DeviceEngine Class

Dedicated engine for device data, inherited from Core Engine. Each DeviceEngine class object will represent a unique device with its own set of processing parameters and results.

```python
from src.StreamPort.device.DeviceEngine import DeviceEngine
from src.StreamPort.core.ProjectHeaders import ProjectHeaders
```

```python
#specify path to get analyses from
base_dir = r'C:\Users\PC0118\Desktop\ExtractedSignals'
```

Creates an empty DeviceEngine object and prints it

```python
dev = DeviceEngine(source = base_dir)
dev.print()
```

```
DeviceEngine
  name: None
  author: None
  path: None
  date: 2024-08-07 17:12:35.732276
  analyses: 0
  settings: 0
```

DeviceEngine object without an explicitly provided source performs all capabilities on files within the current working directory.

```python
dev1 = DeviceEngine()
dev1.print()
print(dev1._source)
```

```
DeviceEngine
  name: None
  author: None
  path: None
  date: 2024-08-07 17:12:35.773198
  analyses: 0
  settings: 0

c:\Users\PC0118\Desktop\StreamPort
```

ProjectHeaders Class

Add project headers. They can be passed as ProjectHeaders objects or dict

```python
dev.add_headers(headers = {'name': 'Pressure Curve Analysis', 'author': 'Sandeep H.
dev.print()
```

```
DeviceEngine
 name: Pressure Curve Analysis
 author: Sandeep H.
 path: None
 date: 2024-08-07 17:12:35.732276
 analyses: 0
 settings: 0
```

DeviceAnalysis Class

Each DeviceAnalysis object is a child of the Analysis Class. It holds the details of an Analysis for each individual device.

In [ ]:
```python
from src.StreamPort.device.DeviceAnalysis import DeviceAnalysis

#Creates an empty DeviceAnalysis object and prints it
devAnalysis = DeviceAnalysis()
devAnalysis.print()
```

```
Analysis
 name: None
 replicate: None
 blank: None
 data:
 Empty
```

DeviceEngine's find_analyses() method returns a DeviceAnalysis Object or a list of DeviceAnalysis objects, besides printing the dataframes for each unique Method, paired with the metadata(Date, Runtime) for each curve.

This method makes use of the source variable to accept a path to a directory containing analyses as an argument and find analyses from the target path.

The path can refer to a directory containing data for specific groups of experiments "210812_Gem 2021-08-12 09-49-10" or one such experiment containing its own set of method-related analysis data "210812_Gem--005.D", "210812_Gem--007.D", ..

Read analysis objects from engine.

In [ ]:
```python
analyses = dev.find_analyses()
```

```
Runtime this run(seconds) : 354
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba54fa cf54\n', "Method      Method started:  line# 2 at location 'P
1-A1'>  15:11:06 01/31/24\n", ' 443 41e2 65ba54fa cf54\n', 'Method        inj# 2
15:11:06 01/31/24\n', ' 3bf 41e2 65ba5500    0\n', 'Method      Instrument running
a blank run                  15:11:12 01/31/24\n', '  70 1daa 65ba5523    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                      15:11:47 01/31/24\n', '  70
1da8 65ba564f    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
15:16:47 01/31/24\n', '  70 1dab 65ba564f    0\n', 'G1367E     1 G1367E:DEAC006364 -
Postrun                  15:16:47 01/31/24\n', ' 3bf 41e2 65ba5652    0\n', 'Metho
d       Instrument run completed                     15:16:50 01/31/24\n', ' 875 4
1e2 65ba5653    0\n', 'Method       Saving Method Onivyde_240129_5.M           1
5:16:51 01/31/24\n', ' 875 41e2 65ba5657    0\n', 'Method      Saving Method RUN.M
15:16:55 01/31/24\n', '  70 41e0 65ba5657    0\n', 'CP Macro      Analyzing rawdata 2
40131_Irino_Kali--002.D     15:16:55 01/31/24\n', ' 875 41e2 65ba5657    0\n', 'Meth
od      Saving Method DA.M                      15:16:55 01/31/24\n', '  70
41e0 65ba5658    0\n', 'CP Macro      Report could not be created.
15:16:56 01/31/24\n', ' 3bf 41e2 65ba565c    0\n', 'Method      Method completed
15:17:00 01/31/24\n']
Sample - 002-blank :
start date : 15:11:06 01/31/24
end date : 15:17:00 01/31/24
runtime : 354


Runtime this run(seconds) : 353
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba565c    0\n', "Method      Method started:  line# 3 at location 'P
1-A2'>  15:17:00 01/31/24\n", ' 443 41e2 65ba565c    0\n', 'Method        inj# 1
15:17:00 01/31/24\n', ' 3bf 41e2 65ba5662    0\n', 'Method      Instrument running
sample from location P1-A2  15:17:06 01/31/24\n', '  70 1daa 65ba5684    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                      15:17:40 01/31/24\n', '  70
1da8 65ba57b1    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
15:22:41 01/31/24\n', ' 3bf 41e2 65ba57b3    0\n', 'Method      Instrument run comp
leted                  15:22:43 01/31/24\n', ' 875 41e2 65ba57b4    0\n', 'Meth
od      Saving Method Onivyde_240129_5.M           15:22:44 01/31/24\n', ' 875
41e2 65ba57b8    0\n', 'Method      Saving Method RUN.M
15:22:48 01/31/24\n', '  70 41e0 65ba57b9    0\n', 'CP Macro      Analyzing rawdata 2
40131_Irino_Kali--003.D     15:22:49 01/31/24\n', ' 875 41e2 65ba57b9    0\n', 'Meth
od      Saving Method DA.M                      15:22:49 01/31/24\n', '  70
41e0 65ba57b9    0\n', 'CP Macro      Report could not be created.
15:22:49 01/31/24\n', ' 3bf 41e2 65ba57bd    0\n', 'Method      Method completed
15:22:53 01/31/24\n']
Sample - 240131_Irino_Kali--003 :
start date : 15:17:00 01/31/24
end date : 15:22:53 01/31/24
runtime : 353


Runtime this run(seconds) : 353
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba57be cf54\n', "Method      Method started:  line# 4 at location 'P
1-A3'>  15:22:54 01/31/24\n", ' 443 41e2 65ba57be cf54\n', 'Method        inj# 1
15:22:54 01/31/24\n', ' 3bf 41e2 65ba57c3    0\n', 'Method      Instrument running
sample from location P1-A3  15:22:59 01/31/24\n', '  70 1daa 65ba57e6    0\n', 'G131
```

5C   1 G1315C:DE63055907 - Run   15:23:34 01/31/24\n', ' 70
1da8 65ba5913   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun
15:28:35 01/31/24\n', ' 70 1dab 65ba5913   0\n', 'G1367E   1 G1367E:DEAC006364 -
Postrun   15:28:35 01/31/24\n', ' 3bf 41e2 65ba5916   0\n', 'Metho
d   Instrument run completed   15:28:38 01/31/24\n', ' 875 4
1e2 65ba5917   0\n', 'Method   Saving Method Onivyde_240129_5.M   1
5:28:39 01/31/24\n', ' 875 41e2 65ba591b   0\n', 'Method   Saving Method RUN.M
15:28:43 01/31/24\n', ' 70 41e0 65ba591b   0\n', 'CP Macro   Analyzing rawdata 2
40131_Irino_Kali--004.D   15:28:43 01/31/24\n', ' 875 41e2 65ba591b   0\n', 'Meth
od   Saving Method DA.M   15:28:43 01/31/24\n', ' 70
41e0 65ba591c   0\n', 'CP Macro   Report could not be created.
15:28:44 01/31/24\n', ' 3bf 41e2 65ba591f   0\n', 'Method   Method completed
15:28:47 01/31/24\n']
Sample - 240131_Irino_Kali--004 :
start date : 15:22:54 01/31/24
end date : 15:28:47 01/31/24
runtime : 353

Runtime this run(seconds) : 353
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5920   0\n', "Method   Method started: line# 5 at location 'P
1-A4'> 15:28:48 01/31/24\n", ' 443 41e2 65ba5920   0\n', 'Method   inj# 1
15:28:48 01/31/24\n', ' 3bf 41e2 65ba5925   0\n', 'Method   Instrument running
sample from location P1-A4 15:28:53 01/31/24\n', ' 70 1daa 65ba5948   0\n', 'G131
5C   1 G1315C:DE63055907 - Run   15:29:28 01/31/24\n', ' 70
1da8 65ba5a75   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun
15:34:29 01/31/24\n', ' 3bf 41e2 65ba5a77   0\n', 'Method   Instrument run comp
leted   15:34:31 01/31/24\n', ' 875 41e2 65ba5a78   0\n', 'Meth
od   Saving Method Onivyde_240129_5.M   15:34:32 01/31/24\n', ' 875
41e2 65ba5a7c   0\n', 'Method   Saving Method RUN.M
15:34:36 01/31/24\n', ' 70 41e0 65ba5a7d   0\n', 'CP Macro   Analyzing rawdata 2
40131_Irino_Kali--005.D   15:34:37 01/31/24\n', ' 875 41e2 65ba5a7d   0\n', 'Meth
od   Saving Method DA.M   15:34:37 01/31/24\n', ' 70
41e0 65ba5a7d   0\n', 'CP Macro   Report could not be created.
15:34:37 01/31/24\n', ' 3bf 41e2 65ba5a81   0\n', 'Method   Method completed
15:34:41 01/31/24\n']
Sample - 240131_Irino_Kali--005 :
start date : 15:28:48 01/31/24
end date : 15:34:41 01/31/24
runtime : 353

Runtime this run(seconds) : 354
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5a81 cf54\n', "Method   Method started: line# 6 at location 'P
1-A5'> 15:34:41 01/31/24\n", ' 443 41e2 65ba5a81 cf54\n', 'Method   inj# 1
15:34:41 01/31/24\n', ' 3bf 41e2 65ba5a87   0\n', 'Method   Instrument running
sample from location P1-A5 15:34:47 01/31/24\n', ' 70 1daa 65ba5aaa   0\n', 'G131
5C   1 G1315C:DE63055907 - Run   15:35:22 01/31/24\n', ' 70
1da8 65ba5bd6   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun
15:40:22 01/31/24\n', ' 3bf 41e2 65ba5bd9   0\n', 'Method   Instrument run comp
leted   15:40:25 01/31/24\n', ' 875 41e2 65ba5bda   0\n', 'Meth
od   Saving Method Onivyde_240129_5.M   15:40:26 01/31/24\n', ' 875
41e2 65ba5bde   0\n', 'Method   Saving Method RUN.M
15:40:30 01/31/24\n', ' 70 41e0 65ba5bde   0\n', 'CP Macro   Analyzing rawdata 2

```
40131_Irino_Kali--006.D     15:40:30 01/31/24\n', ' 875 41e2 65ba5bdf    0\n', 'Meth
od      Saving Method DA.M                             15:40:31 01/31/24\n', '  70
41e0 65ba5bdf    0\n', 'CP Macro     Report could not be created.
15:40:31 01/31/24\n', ' 3bf 41e2 65ba5be3    0\n', 'Method       Method completed
15:40:35 01/31/24\n']
Sample - 240131_Irino_Kali--006 :
start date : 15:34:41 01/31/24
end date : 15:40:35 01/31/24
runtime : 354


Runtime this run(seconds) : 354
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5be3 cf54\n', "Method       Method started:  line# 7 at location 'P
1-A6'>  15:40:35 01/31/24\n", ' 443 41e2 65ba5be3 cf54\n', 'Method       inj# 1
15:40:35 01/31/24\n', ' 3bf 41e2 65ba5be9    0\n', 'Method       Instrument running
sample from location P1-A6  15:40:41 01/31/24\n', '  70 1daa 65ba5c0c    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                   15:41:16 01/31/24\n', '  70
1da8 65ba5d38    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
15:46:16 01/31/24\n', ' 3bf 41e2 65ba5d3b    0\n', 'Method       Instrument run comp
leted                          15:46:19 01/31/24\n', ' 875 41e2 65ba5d3c    0\n', 'Meth
od      Saving Method Onivyde_240129_5.M              15:46:20 01/31/24\n', ' 875
41e2 65ba5d40    0\n', 'Method       Saving Method RUN.M
15:46:24 01/31/24\n', '  70 41e0 65ba5d40    0\n', 'CP Macro     Analyzing rawdata 2
40131_Irino_Kali--007.D     15:46:24 01/31/24\n', ' 875 41e2 65ba5d41    0\n', 'Meth
od      Saving Method DA.M                             15:46:25 01/31/24\n', '  70
41e0 65ba5d41    0\n', 'CP Macro     Report could not be created.
15:46:25 01/31/24\n', ' 3bf 41e2 65ba5d45    0\n', 'Method       Method completed
15:46:29 01/31/24\n']
Sample - 240131_Irino_Kali--007 :
start date : 15:40:35 01/31/24
end date : 15:46:29 01/31/24
runtime : 354


Runtime this run(seconds) : 355
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5d45 cf54\n', "Method       Method started:  line# 8 at location 'P
1-A7'>  15:46:29 01/31/24\n", ' 443 41e2 65ba5d45 cf54\n', 'Method       inj# 1
15:46:29 01/31/24\n', ' 3bf 41e2 65ba5d4b    0\n', 'Method       Instrument running
sample from location P1-A7  15:46:35 01/31/24\n', '  70 1daa 65ba5d6e    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                   15:47:10 01/31/24\n', '  70
1da8 65ba5e9b    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
15:52:11 01/31/24\n', ' 3bf 41e2 65ba5e9e    0\n', 'Method       Instrument run comp
leted                          15:52:14 01/31/24\n', ' 875 41e2 65ba5e9f    0\n', 'Meth
od      Saving Method Onivyde_240129_5.M              15:52:15 01/31/24\n', ' 875
41e2 65ba5ea3    0\n', 'Method       Saving Method RUN.M
15:52:19 01/31/24\n', '  70 41e0 65ba5ea3    0\n', 'CP Macro     Analyzing rawdata 2
40131_Irino_Kali--008.D     15:52:19 01/31/24\n', ' 875 41e2 65ba5ea3    0\n', 'Meth
od      Saving Method DA.M                             15:52:19 01/31/24\n', '  70
41e0 65ba5ea4    0\n', 'CP Macro     Report could not be created.
15:52:20 01/31/24\n', ' 3bf 41e2 65ba5ea8    0\n', 'Method       Method completed
15:52:24 01/31/24\n']
Sample - 240131_Irino_Kali--008 :
start date : 15:46:29 01/31/24
end date : 15:52:24 01/31/24
```

```
runtime : 355

Runtime this run(seconds) : 354
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5a81 cf54\n', "Method        Method started:  line# 6 at location 'P
1-A5'>  15:34:41 01/31/24\n", ' 443 41e2 65ba5a81 cf54\n', 'Method        inj# 1
15:34:41 01/31/24\n', ' 3bf 41e2 65ba5a87    0\n', 'Method        Instrument running
sample from location P1-A5  15:34:47 01/31/24\n', '  70 1daa 65ba5aaa    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        15:35:22 01/31/24\n', '  70
1da8 65ba5bd6    0\n', 'G1316B      1 G1316B:DE60555985 - Postrun
15:40:22 01/31/24\n', ' 3bf 41e2 65ba5bd9    0\n', 'Method        Instrument run comp
leted                      15:40:25 01/31/24\n', ' 875 41e2 65ba5bda    0\n', 'Meth
od        Saving Method Onivyde_240129_5.M              15:40:26 01/31/24\n', ' 875
41e2 65ba5bde    0\n', 'Method        Saving Method RUN.M
15:40:30 01/31/24\n', '  70 41e0 65ba5bde    0\n', 'CP Macro      Analyzing rawdata 2
40131_Irino_Kali--006.D    15:40:30 01/31/24\n', ' 875 41e2 65ba5bdf    0\n', 'Meth
od        Saving Method DA.M                            15:40:31 01/31/24\n', '  70
41e0 65ba5bdf    0\n', 'CP Macro      Report could not be created.
15:40:31 01/31/24\n', ' 3bf 41e2 65ba5be3    0\n', 'Method        Method completed
15:40:35 01/31/24\n']
Sample - 240131_Irino_Kali--006 :
start date : 15:34:41 01/31/24
end date : 15:40:35 01/31/24
runtime : 354

Runtime this run(seconds) : 354
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5be3 cf54\n', "Method        Method started:  line# 7 at location 'P
1-A6'>  15:40:35 01/31/24\n", ' 443 41e2 65ba5be3 cf54\n', 'Method        inj# 1
15:40:35 01/31/24\n', ' 3bf 41e2 65ba5be9    0\n', 'Method        Instrument running
sample from location P1-A6  15:40:41 01/31/24\n', '  70 1daa 65ba5c0c    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        15:41:16 01/31/24\n', '  70
1da8 65ba5d38    0\n', 'G1316B      1 G1316B:DE60555985 - Postrun
15:46:16 01/31/24\n', ' 3bf 41e2 65ba5d3b    0\n', 'Method        Instrument run comp
leted                      15:46:19 01/31/24\n', ' 875 41e2 65ba5d3c    0\n', 'Meth
od        Saving Method Onivyde_240129_5.M              15:46:20 01/31/24\n', ' 875
41e2 65ba5d40    0\n', 'Method        Saving Method RUN.M
15:46:24 01/31/24\n', '  70 41e0 65ba5d40    0\n', 'CP Macro      Analyzing rawdata 2
40131_Irino_Kali--007.D    15:46:24 01/31/24\n', ' 875 41e2 65ba5d41    0\n', 'Meth
od        Saving Method DA.M                            15:46:25 01/31/24\n', '  70
41e0 65ba5d41    0\n', 'CP Macro      Report could not be created.
15:46:25 01/31/24\n', ' 3bf 41e2 65ba5d45    0\n', 'Method        Method completed
15:46:29 01/31/24\n']
Sample - 240131_Irino_Kali--007 :
start date : 15:40:35 01/31/24
end date : 15:46:29 01/31/24
runtime : 354

Runtime this run(seconds) : 355
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5d45 cf54\n', "Method        Method started:  line# 8 at location 'P
1-A7'>  15:46:29 01/31/24\n", ' 443 41e2 65ba5d45 cf54\n', 'Method        inj# 1
15:46:29 01/31/24\n', ' 3bf 41e2 65ba5d4b    0\n', 'Method        Instrument running
```

```
sample from location P1-A7  15:46:35 01/31/24\n', '  70 1daa 65ba5d6e    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        15:47:10 01/31/24\n', '  70
1da8 65ba5e9b    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
15:52:11 01/31/24\n', ' 3bf 41e2 65ba5e9e    0\n', 'Method        Instrument run comp
leted                         15:52:14 01/31/24\n', ' 875 41e2 65ba5e9f    0\n', 'Meth
od       Saving Method Onivyde_240129_5.M             15:52:15 01/31/24\n', ' 875
41e2 65ba5ea3    0\n', 'Method       Saving Method RUN.M
15:52:19 01/31/24\n', '  70 41e0 65ba5ea3    0\n', 'CP Macro     Analyzing rawdata 2
40131_Irino_Kali--008.D     15:52:19 01/31/24\n', ' 875 41e2 65ba5ea3    0\n', 'Meth
od       Saving Method DA.M                           15:52:19 01/31/24\n', '  70
41e0 65ba5ea4    0\n', 'CP Macro     Report could not be created.
15:52:20 01/31/24\n', ' 3bf 41e2 65ba5ea8    0\n', 'Method       Method completed
15:52:24 01/31/24\n']
Sample - 240131_Irino_Kali--008 :
start date : 15:46:29 01/31/24
end date : 15:52:24 01/31/24
runtime : 355

Runtime this run(seconds) : 353
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5ea8 9194\n', "Method       Method started:  line# 9 at location 'P
1-A8'>  15:52:24 01/31/24\n", ' 443 41e2 65ba5ea8 9194\n', 'Method        inj# 1
15:52:24 01/31/24\n', ' 3bf 41e2 65ba5ead    0\n', 'Method       Instrument running
sample from location P1-A8  15:52:29 01/31/24\n', '  70 1daa 65ba5ed1    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        15:53:05 01/31/24\n', '  70
1da8 65ba5ffd    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
15:58:05 01/31/24\n', ' 3bf 41e2 65ba6000    0\n', 'Method        Instrument run comp
leted                         15:58:08 01/31/24\n', ' 875 41e2 65ba6001    0\n', 'Meth
od       Saving Method Onivyde_240129_5.M             15:58:09 01/31/24\n', ' 875
41e2 65ba6005    0\n', 'Method       Saving Method RUN.M
15:58:13 01/31/24\n', '  70 41e0 65ba6005    0\n', 'CP Macro     Analyzing rawdata 2
40131_Irino_Kali--009.D     15:58:13 01/31/24\n', ' 875 41e2 65ba6005    0\n', 'Meth
od       Saving Method DA.M                           15:58:13 01/31/24\n', '  70
41e0 65ba6006    0\n', 'CP Macro     Report could not be created.
15:58:14 01/31/24\n', ' 3bf 41e2 65ba6009    0\n', 'Method       Method completed
15:58:17 01/31/24\n']
Sample - 240131_Irino_Kali--009 :
start date : 15:52:24 01/31/24
end date : 15:58:17 01/31/24
runtime : 353

Runtime this run(seconds) : 352
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba600a 9194\n', "Method       Method started:  line# 10 at location 'P
1-A9>  15:58:18 01/31/24\n", ' 443 41e2 65ba600a 9194\n', "Method        ' inj# 1
15:58:18 01/31/24\n", ' 3bf 41e2 65ba600f    0\n', 'Method       Instrument running
sample from location P1-A9  15:58:23 01/31/24\n', '  70 1dab 65ba6031    0\n', 'G136
7E      1 G1367E:DEACO06364 - Run                        15:58:57 01/31/24\n', '  70
1da8 65ba615d    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
16:03:57 01/31/24\n', ' 3bf 41e2 65ba6160    0\n', 'Method        Instrument run comp
leted                         16:04:00 01/31/24\n', ' 875 41e2 65ba6161    0\n', 'Meth
od       Saving Method Onivyde_240129_5.M             16:04:01 01/31/24\n', ' 875
41e2 65ba6165    0\n', 'Method       Saving Method RUN.M
16:04:05 01/31/24\n', '  70 41e0 65ba6165    0\n', 'CP Macro     Analyzing rawdata 2
```

```
40131_Irino_Kali--010.D      16:04:05 01/31/24\n', ' 875 41e2 65ba6165     0\n', 'Meth
od       Saving Method DA.M                               16:04:05 01/31/24\n', '  70
41e0 65ba6166    0\n', 'CP Macro     Report could not be created.
16:04:06 01/31/24\n', ' 3bf 41e2 65ba616a    0\n', 'Method       Method completed
16:04:10 01/31/24\n']
Sample - 240131_Irino_Kali--010 :
start date : 15:58:18 01/31/24
end date : 16:04:10 01/31/24
runtime : 352


Runtime this run(seconds) : 353
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba616a 9194\n', "Method        Method started:  line# 11 at location 'P
1-A1>  16:04:10 01/31/24\n", ' 443 41e2 65ba616a 9194\n', "Method        ' inj# 1
16:04:10 01/31/24\n", ' 3bf 41e2 65ba6170    0\n', 'Method       Instrument running
a blank run                  16:04:16 01/31/24\n', '  70 1daa 65ba6193    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        16:04:51 01/31/24\n', '  70
1da8 65ba62bf    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
16:09:51 01/31/24\n', ' 3bf 41e2 65ba62c2    0\n', 'Method       Instrument run comp
leted                        16:09:54 01/31/24\n', ' 875 41e2 65ba62c3    0\n', 'Meth
od       Saving Method Onivyde_240129_5.M              16:09:55 01/31/24\n', ' 875
41e2 65ba62c7    0\n', 'Method       Saving Method RUN.M
16:09:59 01/31/24\n', '  70 41e0 65ba62c7    0\n', 'CP Macro     Analyzing rawdata 2
40131_Irino_Kali--011.D      16:09:59 01/31/24\n', ' 875 41e2 65ba62c7    0\n', 'Meth
od       Saving Method DA.M                               16:09:59 01/31/24\n', '  70
41e0 65ba62c7    0\n', 'CP Macro     Report could not be created.
16:09:59 01/31/24\n', ' 3bf 41e2 65ba62cb    0\n', 'Method       Method completed
16:10:03 01/31/24\n']
Sample - 011-blank :
start date : 16:04:10 01/31/24
end date : 16:10:03 01/31/24
runtime : 353


Runtime this run(seconds) : 358
Times started(in event of fault) : 1
This files logs
[' 443 41e2 65ba5394    0\n', "Method       Method started:  line# 1 at location 'P
1-A1'>  15:05:08 01/31/24\n", ' 443 41e2 65ba5394    0\n', 'Method       inj# 1
15:05:08 01/31/24\n', ' 3bf 41e2 65ba539c    0\n', 'Method       Instrument running
a blank run                  15:05:16 01/31/24\n', '  70 1daa 65ba53c1    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        15:05:53 01/31/24\n', '  70
1da8 65ba54ed    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun
15:10:53 01/31/24\n', '  70 1dab 65ba54ed    0\n', 'G1367E      1 G1367E:DEACO06364 -
Postrun                      15:10:53 01/31/24\n', ' 3bf 41e2 65ba54f0    0\n', 'Metho
d       Instrument run completed                        15:10:56 01/31/24\n', ' 875 4
1e2 65ba54f1    0\n', 'Method       Saving Method Onivyde_240129_5.M              1
5:10:57 01/31/24\n', ' 875 41e2 65ba54f5    0\n', 'Method       Saving Method RUN.M
15:11:01 01/31/24\n', '  70 41e0 65ba54f5    0\n', 'CP Macro     Analyzing rawdata 2
40131_Irino_Kali.D          15:11:01 01/31/24\n', ' 875 41e2 65ba54f5    0\n', 'Meth
od       Saving Method DA.M                               15:11:01 01/31/24\n', '  70
41e0 65ba54f6    0\n', 'CP Macro     Report could not be created.
15:11:02 01/31/24\n', ' 3bf 41e2 65ba54fa    0\n', 'Method       Method completed
15:11:06 01/31/24\n']
Sample - 001-blank :
start date : 15:05:08 01/31/24
```

```
end date : 15:11:06 01/31/24
runtime : 358

Runtime this run(seconds) : 288
Runtime this run(seconds) : 3
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b7767    0\n', "Method       Method started:  line# 2 at location 'P
1-A1'>  17:19:03 09/10/21\n", ' 443 41e2 613b7767    0\n', 'Method        inj# 2
17:19:03 09/10/21\n', ' 3bf 41e2 613b7769    0\n', 'Method      Instrument running
a blank run                  17:19:05 09/10/21\n', '  70 1daf 613b776c    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare        17:19:08 09/10/21\n', '  70
1daf 613b7778    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
17:19:20 09/10/21\n', '  70 1daf 613b7791    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                       17:19:45 09/10/21\n', '  70 1dac 613b7881    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                  17:23:45 09/10/21\n', '  70 1
dae 613b7881    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun            1
7:23:45 09/10/21\n', '  70 1daa 613b7881    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                   17:23:45 09/10/21\n', ' 3bf 41e2 613b7884    0\n', 'Metho
d       Instrument run completed                17:23:48 09/10/21\n', ' 875 4
1e2 613b7885    0\n', 'Method       Saving Method SAA_411_Doc.M               1
7:23:49 09/10/21\n', ' 875 41e2 613b7885    0\n', 'Method       Saving Method RUN.M
17:23:49 09/10/21\n', '  70 41e0 613b7885    0\n', 'CP Macro    Analyzing rawdata 2
10910_Doc--002.D           17:23:49 09/10/21\n', ' 875 41e2 613b7885    0\n', 'Meth
od       Saving Method DA.M                       17:23:49 09/10/21\n', ' 3bf
41e2 613b7887    0\n', 'Method       Method completed
17:23:51 09/10/21\n', ' 443 41e2 613f164e   50\n', "Method       Method started:  li
ne# 2 at location 'P1-A1'>  11:13:50 09/13/21\n", ' 443 41e2 613f164e   50\n', 'Meth
od        inj# 2                                  11:13:50 09/13/21\n', '  70
41e0 613f164f    0\n', 'CP Macro    Analyzing rawdata 210910_Doc--002.D
11:13:51 09/13/21\n', ' 875 41e2 613f1650    0\n', 'Method       Saving Method DA.M
11:13:52 09/13/21\n', ' 3bf 41e2 613f1651    0\n', 'Method       Method completed
11:13:53 09/13/21\n']
Sample - 002-blank :
start date : 11:13:50 09/13/21
end date : 11:13:53 09/13/21
runtime : 3

Runtime this run(seconds) : 288
Runtime this run(seconds) : 3
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b7887 1414\n', "Method       Method started:  line# 3 at location 'P
1-A1'>  17:23:51 09/10/21\n", ' 443 41e2 613b7887 1414\n', 'Method        inj# 3
17:23:51 09/10/21\n', ' 3bf 41e2 613b7889    0\n', 'Method      Instrument running
a blank run                  17:23:53 09/10/21\n', '  70 1daf 613b788c    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare        17:23:56 09/10/21\n', '  70
1daf 613b7899    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
17:24:09 09/10/21\n', '  70 1daf 613b78b1    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                       17:24:33 09/10/21\n', '  70 1dac 613b79a1    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                  17:28:33 09/10/21\n', '  70 1
dae 613b79a1    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun            1
7:28:33 09/10/21\n', ' 3bf 41e2 613b79a4    0\n', 'Method       Instrument run compl
eted                  17:28:36 09/10/21\n', ' 875 41e2 613b79a5    0\n', 'Metho
d       Saving Method SAA_411_Doc.M                17:28:37 09/10/21\n', ' 875 4
1e2 613b79a5    0\n', 'Method       Saving Method RUN.M                       1
```

7:28:37 09/10/21\n', '   70 41e0 613b79a5   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--003.D   17:28:37 09/10/21\n', ' 875 41e2 613b79a6   0\n', 'Metho
d   Saving Method DA.M   17:28:38 09/10/21\n', ' 3bf 4
1e2 613b79a7   0\n', 'Method   Method completed   1
7:28:39 09/10/21\n', ' 443 41e2 613f1651   50\n', "Method   Method started: lin
e# 3 at location 'P1-A1'> 11:13:53 09/13/21\n", ' 443 41e2 613f1651   50\n', 'Metho
d   inj# 3   11:13:53 09/13/21\n', '   70 4
1e0 613f1652   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--003.D   1
1:13:54 09/13/21\n', ' 875 41e2 613f1653   0\n', 'Method   Saving Method DA.M
11:13:55 09/13/21\n', ' 3bf 41e2 613f1654   0\n', 'Method   Method completed
11:13:56 09/13/21\n']
Sample - 003-blank :
start date : 11:13:53 09/13/21
end date : 11:13:56 09/13/21
runtime : 3

Runtime this run(seconds) : 287
Runtime this run(seconds) : 4
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b79a7 d3d4\n', "Method   Method started: line# 4 at location 'P
1-A2'> 17:28:39 09/10/21\n", ' 443 41e2 613b79a7 d3d4\n', 'Method   inj# 1
17:28:39 09/10/21\n', ' 3bf 41e2 613b79a9   0\n', 'Method   Instrument running
sample from location P1-A2   17:28:41 09/10/21\n', '   70 1daf 613b79ab   0\n', 'G131
5C   1 G1315C:DE63055907 - Detector: Prepare   17:28:43 09/10/21\n', '   70
1daf 613b79b8   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle
17:28:56 09/10/21\n', '   70 1daf 613b79d1   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   17:29:21 09/10/21\n', '   70 1dac 613b7ac1   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   17:33:21 09/10/21\n', '   70 1
dae 613b7ac1   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
7:33:21 09/10/21\n', ' 3bf 41e2 613b7ac3   0\n', 'Method   Instrument run compl
eted   17:33:23 09/10/21\n', ' 875 41e2 613b7ac4   0\n', 'Metho
d   Saving Method SAA_411_Doc.M   17:33:24 09/10/21\n', ' 875 4
1e2 613b7ac4   0\n', 'Method   Saving Method RUN.M   1
7:33:24 09/10/21\n', '   70 41e0 613b7ac5   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--004.D   17:33:25 09/10/21\n', ' 875 41e2 613b7ac5   0\n', 'Metho
d   Saving Method DA.M   17:33:25 09/10/21\n', ' 3bf 4
1e2 613b7ac6   0\n', 'Method   Method completed   1
7:33:26 09/10/21\n', ' 443 41e2 613f1654   50\n', "Method   Method started: lin
e# 4 at location 'P1-A2'> 11:13:56 09/13/21\n", ' 443 41e2 613f1654   50\n', 'Metho
d   inj# 1   11:13:56 09/13/21\n', '   70 4
1e0 613f1654   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--004.D   1
1:13:56 09/13/21\n', ' 875 41e2 613f1657   0\n', 'Method   Saving Method DA.M
11:13:59 09/13/21\n', ' 3bf 41e2 613f1658   0\n', 'Method   Method completed
11:14:00 09/13/21\n']
Sample - 210910_Doc--004 :
start date : 11:13:56 09/13/21
end date : 11:14:00 09/13/21
runtime : 4

Runtime this run(seconds) : 288
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b7ac6 1400\n', "Method   Method started: line# 5 at location 'P
1-A1'> 17:33:26 09/10/21\n", ' 443 41e2 613b7ac6 1400\n', 'Method   inj# 1

17:33:26 09/10/21\n', ' 3bf 41e2 613b7ac8   0\n', 'Method   Instrument running
a blank run   17:33:28 09/10/21\n', ' 70 1daf 613b7acb   0\n', 'G131
5C   1 G1315C:DE63055907 - Detector: Prepare   17:33:31 09/10/21\n', ' 70
1daf 613b7ad7   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle
17:33:43 09/10/21\n', ' 70 1dac 613b7af0   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Run   17:34:08 09/10/21\n', ' 70 1dae 613b7be0   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   17:38:08 09/10/21\n', ' 70 1
dac 613b7be0   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   1
7:38:08 09/10/21\n', ' 3bf 41e2 613b7be3   0\n', 'Method   Instrument run compl
eted   17:38:11 09/10/21\n', ' 875 41e2 613b7be4   0\n', 'Metho
d   Saving Method SAA_411_Doc.M   17:38:12 09/10/21\n', ' 875 4
1e2 613b7be4   0\n', 'Method   Saving Method RUN.M   1
7:38:12 09/10/21\n', ' 70 41e0 613b7be4   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--005.D   17:38:12 09/10/21\n', ' 875 41e2 613b7be4   0\n', 'Metho
d   Saving Method DA.M   17:38:12 09/10/21\n', ' 3bf 4
1e2 613b7be6   0\n', 'Method   Method completed   1
7:38:14 09/10/21\n', ' 443 41e2 613f1658   50\n', "Method   Method started: lin
e# 5 at location 'P1-A1'> 11:14:00 09/13/21\n", ' 443 41e2 613f1658   50\n', 'Metho
d   inj# 1   11:14:00 09/13/21\n', ' 70 4
1e0 613f1658   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--005.D   1
1:14:00 09/13/21\n', ' 875 41e2 613f1659   0\n', 'Method   Saving Method DA.M
11:14:01 09/13/21\n', ' 3bf 41e2 613f165a   0\n', 'Method   Method completed
11:14:02 09/13/21\n']
Sample - 005-blank :
start date : 11:14:00 09/13/21
end date : 11:14:02 09/13/21
runtime : 2

Runtime this run(seconds) : 287
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b7be6 1400\n', "Method   Method started: line# 6 at location 'P
1-C1'> 17:38:14 09/10/21\n", ' 443 41e2 613b7be6 1400\n', 'Method   inj# 1
17:38:14 09/10/21\n', ' 3bf 41e2 613b7be8   0\n', 'Method   Instrument running
sample from location P1-C1 17:38:16 09/10/21\n', ' 70 1daf 613b7bea   0\n', 'G131
5C   1 G1315C:DE63055907 - Detector: Prepare   17:38:18 09/10/21\n', ' 70
1daf 613b7bf7   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle
17:38:31 09/10/21\n', ' 70 1daf 613b7c0f   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   17:38:55 09/10/21\n', ' 70 1dac 613b7d00   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   17:42:56 09/10/21\n', ' 3bf 4
1e2 613b7d02   0\n', 'Method   Instrument run completed   1
7:42:58 09/10/21\n', ' 875 41e2 613b7d03   0\n', 'Method   Saving Method SAA_41
1_Doc.M   17:42:59 09/10/21\n', ' 875 41e2 613b7d03   0\n', 'Metho
d   Saving Method RUN.M   17:42:59 09/10/21\n', ' 70 4
1e0 613b7d03   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--006.D   1
7:42:59 09/10/21\n', ' 875 41e2 613b7d04   0\n', 'Method   Saving Method DA.M
17:43:00 09/10/21\n', ' 3bf 41e2 613b7d05   0\n', 'Method   Method completed
17:43:01 09/10/21\n', ' 443 41e2 613f165b   50\n', "Method   Method started: li
ne# 6 at location 'P1-C1'> 11:14:03 09/13/21\n", ' 443 41e2 613f165b   50\n', 'Meth
od   inj# 1   11:14:03 09/13/21\n', ' 70
41e0 613f165b   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--006.D
11:14:03 09/13/21\n', ' 875 41e2 613f165c   0\n', 'Method   Saving Method DA.M
11:14:04 09/13/21\n', ' 3bf 41e2 613f165d   0\n', 'Method   Method completed
11:14:05 09/13/21\n']
Sample - 210910_Doc--006 :

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                      start date : 11:14:03 09/13/21
                      end date : 11:14:05 09/13/21
                      runtime : 2

                      Runtime this run(seconds) : 288
                      Runtime this run(seconds) : 2
                      Times started(in event of fault) : 2
                      This files logs
                      [' 443 41e2 613b7d05 1414\n', "Method        Method started:  line# 7 at location 'P
                      1-A1'>  17:43:01 09/10/21\n", ' 443 41e2 613b7d05 1414\n', 'Method          inj# 1
                      17:43:01 09/10/21\n', ' 3bf 41e2 613b7d07    0\n', 'Method        Instrument running
                      a blank run                    17:43:03 09/10/21\n', '  70 1daf 613b7d0a    0\n', 'G131
                      5C      1 G1315C:DE63055907 - Detector: Prepare         17:43:06 09/10/21\n', '  70
                      1daf 613b7d17    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
                      17:43:19 09/10/21\n', '  70 1daf 613b7d2f    0\n', 'G1315C      1 G1315C:DE63055907 -
                      Run                        17:43:43 09/10/21\n', '  70 1dac 613b7e1f    0\n', 'G7110
                      B      1 G7110B:DEAEH01167 - Postrun                    17:47:43 09/10/21\n', '  70 1
                      dae 613b7e1f    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                    1
                      7:47:43 09/10/21\n', '  70 1daa 613b7e1f    0\n', 'G1316B      1 G1316B:DE60555985 -
                      Postrun                    17:47:43 09/10/21\n', ' 3bf 41e2 613b7e22    0\n', 'Metho
                      d        Instrument run completed                    17:47:46 09/10/21\n', ' 875 4
                      1e2 613b7e23    0\n', 'Method        Saving Method SAA_411_Doc.M                1
                      7:47:47 09/10/21\n', ' 875 41e2 613b7e23    0\n', 'Method        Saving Method RUN.M
                      17:47:47 09/10/21\n', '  70 41e0 613b7e23    0\n', 'CP Macro      Analyzing rawdata 2
                      10910_Doc--007.D              17:47:47 09/10/21\n', ' 875 41e2 613b7e24    0\n', 'Meth
                      od        Saving Method DA.M                        17:47:48 09/10/21\n', ' 3bf
                      41e2 613b7e25    0\n', 'Method        Method completed
                      17:47:49 09/10/21\n', ' 443 41e2 613f165e    50\n', "Method        Method started:  li
                      ne# 7 at location 'P1-A1'>  11:14:06 09/13/21\n", ' 443 41e2 613f165e    50\n', 'Meth
                      od        inj# 1                              11:14:06 09/13/21\n', '  70
                      41e0 613f165e    0\n', 'CP Macro      Analyzing rawdata 210910_Doc--007.D
                      11:14:06 09/13/21\n', ' 875 41e2 613f165f    0\n', 'Method        Saving Method DA.M
                      11:14:07 09/13/21\n', ' 3bf 41e2 613f1660    0\n', 'Method        Method completed
                      11:14:08 09/13/21\n']
                      Sample - 007-blank :
                      start date : 11:14:06 09/13/21
                      end date : 11:14:08 09/13/21
                      runtime : 2

                      Runtime this run(seconds) : 287
                      Runtime this run(seconds) : 3
                      Times started(in event of fault) : 2
                      This files logs
                      [' 443 41e2 613b7e25 1414\n', "Method        Method started:  line# 8 at location 'P
                      1-C2'>  17:47:49 09/10/21\n", ' 443 41e2 613b7e25 1414\n', 'Method          inj# 1
                      17:47:49 09/10/21\n', ' 3bf 41e2 613b7e27    0\n', 'Method        Instrument running
                      sample from location P1-C2  17:47:51 09/10/21\n', '  70 1daf 613b7e29    0\n', 'G131
                      5C      1 G1315C:DE63055907 - Detector: Prepare         17:47:53 09/10/21\n', '  70
                      1daf 613b7e36    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
                      17:48:06 09/10/21\n', '  70 1daf 613b7e4f    0\n', 'G1315C      1 G1315C:DE63055907 -
                      Run                        17:48:31 09/10/21\n', '  70 1dac 613b7f3f    0\n', 'G7110
                      B      1 G7110B:DEAEH01167 - Postrun                    17:52:31 09/10/21\n', '  70 1
                      dae 613b7f3f    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                    1
                      7:52:31 09/10/21\n', ' 3bf 41e2 613b7f41    0\n', 'Method        Instrument run compl
                      eted                    17:52:33 09/10/21\n', ' 875 41e2 613b7f42    0\n', 'Metho
                      d        Saving Method SAA_411_Doc.M                17:52:34 09/10/21\n', ' 875 4
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1e2 613b7f43    0\n', 'Method       Saving Method RUN.M                                          1
7:52:35 09/10/21\n', '  70 41e0 613b7f43    0\n', 'CP Macro     Analyzing rawdata 21
0910_Doc--008.D              17:52:35 09/10/21\n', ' 875 41e2 613b7f43    0\n', 'Metho
d       Saving Method DA.M                                       17:52:35 09/10/21\n', ' 3bf 4
1e2 613b7f44    0\n', 'Method       Method completed                                          1
7:52:36 09/10/21\n', ' 443 41e2 613f1661   50\n', "Method       Method started:  lin
e# 8 at location 'P1-C2'>  11:14:09 09/13/21\n", ' 443 41e2 613f1661   50\n', 'Metho
d       inj# 1                                                    11:14:09 09/13/21\n', '  70 4
1e0 613f1661    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--008.D            1
1:14:09 09/13/21\n', ' 875 41e2 613f1662    0\n', 'Method       Saving Method DA.M
11:14:10 09/13/21\n', ' 3bf 41e2 613f1664    0\n', 'Method       Method completed
11:14:12 09/13/21\n']
Sample - 210910_Doc--008 :
start date : 11:14:09 09/13/21
end date : 11:14:12 09/13/21
runtime : 3

Runtime this run(seconds) : 289
Runtime this run(seconds) : 3
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b7f44 d3d4\n', "Method       Method started:  line# 9 at location 'P
1-C3'>  17:52:36 09/10/21\n", ' 443 41e2 613b7f44 d3d4\n', 'Method       inj# 1
17:52:36 09/10/21\n', ' 3bf 41e2 613b7f46    0\n', 'Method       Instrument running
sample from location P1-C3  17:52:38 09/10/21\n', '  70 1daf 613b7f49    0\n', 'G131
5C     1 G1315C:DE63055907 - Detector: Prepare        17:52:41 09/10/21\n', '  70
1daf 613b7f56    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle
17:52:54 09/10/21\n', '  70 1dac 613b7f6e    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Run                       17:53:18 09/10/21\n', '  70 1dac 613b805e    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                        17:57:18 09/10/21\n', '  70 1
dae 613b805f    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                       1
7:57:19 09/10/21\n', '  70 1daa 613b805f    0\n', 'G1316B     1 G1316B:DE60555985 -
Postrun                       17:57:19 09/10/21\n', ' 3bf 41e2 613b8061    0\n', 'Metho
d       Instrument run completed                        17:57:21 09/10/21\n', ' 875 4
1e2 613b8063    0\n', 'Method       Saving Method SAA_411_Doc.M                       1
7:57:23 09/10/21\n', ' 875 41e2 613b8063    0\n', 'Method       Saving Method RUN.M
17:57:23 09/10/21\n', '  70 41e0 613b8063    0\n', 'CP Macro     Analyzing rawdata 2
10910_Doc--009.D              17:57:23 09/10/21\n', ' 875 41e2 613b8063    0\n', 'Meth
od       Saving Method DA.M                                       17:57:23 09/10/21\n', ' 3bf
41e2 613b8065    0\n', 'Method       Method completed
17:57:25 09/10/21\n', ' 443 41e2 613f1664   50\n', "Method       Method started:  li
ne# 9 at location 'P1-C3'>  11:14:12 09/13/21\n", ' 443 41e2 613f1664   50\n', 'Meth
od       inj# 1                                                    11:14:12 09/13/21\n', '  70
41e0 613f1664    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--009.D
11:14:12 09/13/21\n', ' 875 41e2 613f1665    0\n', 'Method       Saving Method DA.M
11:14:13 09/13/21\n', ' 3bf 41e2 613f1667    0\n', 'Method       Method completed
11:14:15 09/13/21\n']
Sample - 210910_Doc--009 :
start date : 11:14:12 09/13/21
end date : 11:14:15 09/13/21
runtime : 3

Runtime this run(seconds) : 288
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
```

```
[' 443 41e2 613b8065 1414\n', "Method        Method started:  line# 10 at location 'P
1-C4>  17:57:25 09/10/21\n", ' 443 41e2 613b8065 1414\n', "Method        ' inj# 1
17:57:25 09/10/21\n", ' 3bf 41e2 613b8067    0\n', 'Method        Instrument running
sample from location P1-C4  17:57:27 09/10/21\n', '  70 1daf 613b8069    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare          17:57:29 09/10/21\n', '  70
1daf 613b8076    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
17:57:42 09/10/21\n', '  70 1daf 613b808f    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                      17:58:07 09/10/21\n', '  70 1dac 613b817f    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                     18:02:07 09/10/21\n', '  70 1
dae 613b817f    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun               1
8:02:07 09/10/21\n', '  70 1daa 613b817f    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                    18:02:07 09/10/21\n', ' 3bf 41e2 613b8182    0\n', 'Metho
d       Instrument run completed                   18:02:10 09/10/21\n', ' 875 4
1e2 613b8183    0\n', 'Method        Saving Method SAA_411_Doc.M                  1
8:02:11 09/10/21\n', ' 875 41e2 613b8183    0\n', 'Method        Saving Method RUN.M
18:02:11 09/10/21\n', '  70 41e0 613b8183    0\n', 'CP Macro      Analyzing rawdata 2
10910_Doc--010.D          18:02:11 09/10/21\n', ' 875 41e2 613b8184    0\n', 'Meth
od       Saving Method DA.M                         18:02:12 09/10/21\n', ' 3bf
41e2 613b8185    0\n', 'Method        Method completed
18:02:13 09/10/21\n', ' 443 41e2 613f1667   50\n', "Method        Method started:  li
ne# 10 at location 'P1-C4>  11:14:15 09/13/21\n", ' 443 41e2 613f1667   50\n', "Meth
od        ' inj# 1                            11:14:15 09/13/21\n", '  70
41e0 613f1667    0\n', 'CP Macro      Analyzing rawdata 210910_Doc--010.D
11:14:15 09/13/21\n', ' 875 41e2 613f1668    0\n', 'Method        Saving Method DA.M
11:14:16 09/13/21\n', ' 3bf 41e2 613f1669    0\n', 'Method        Method completed
11:14:17 09/13/21\n']
Sample - 210910_Doc--010 :
start date : 11:14:15 09/13/21
end date : 11:14:17 09/13/21
runtime : 2


Runtime this run(seconds) : 288
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b8185    0\n', "Method        Method started:  line# 11 at location 'P
1-C5>  18:02:13 09/10/21\n", ' 443 41e2 613b8185    0\n', "Method        ' inj# 1
18:02:13 09/10/21\n", ' 3bf 41e2 613b8187    0\n', 'Method        Instrument running
sample from location P1-C5  18:02:15 09/10/21\n', '  70 1daf 613b818a    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare          18:02:18 09/10/21\n', '  70
1daf 613b8196    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
18:02:30 09/10/21\n', '  70 1dac 613b81af    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                      18:02:55 09/10/21\n', '  70 1dac 613b829f    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                     18:06:55 09/10/21\n', '  70 1
dae 613b829f    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun               1
8:06:55 09/10/21\n', '  70 1daa 613b829f    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                    18:06:55 09/10/21\n', ' 3bf 41e2 613b82a2    0\n', 'Metho
d       Instrument run completed                   18:06:58 09/10/21\n', ' 875 4
1e2 613b82a3    0\n', 'Method        Saving Method SAA_411_Doc.M                  1
8:06:59 09/10/21\n', ' 875 41e2 613b82a3    0\n', 'Method        Saving Method RUN.M
18:06:59 09/10/21\n', '  70 41e0 613b82a3    0\n', 'CP Macro      Analyzing rawdata 2
10910_Doc--011.D          18:06:59 09/10/21\n', ' 875 41e2 613b82a4    0\n', 'Meth
od       Saving Method DA.M                         18:07:00 09/10/21\n', ' 3bf
41e2 613b82a5    0\n', 'Method        Method completed
18:07:01 09/10/21\n', ' 443 41e2 613f166a d158\n', "Method        Method started:  li
ne# 11 at location 'P1-C5>  11:14:18 09/13/21\n", ' 443 41e2 613f166a d158\n', "Meth
```

```
od         ' inj# 1                                          11:14:18 09/13/21\n", '  70
41e0 613f166a    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--011.D
11:14:18 09/13/21\n', ' 875 41e2 613f166b    0\n', 'Method       Saving Method DA.M
11:14:19 09/13/21\n', ' 3bf 41e2 613f166c    0\n', 'Method       Method completed
11:14:20 09/13/21\n']
Sample - 210910_Doc--011 :
start date : 11:14:18 09/13/21
end date : 11:14:20 09/13/21
runtime : 2

Runtime this run(seconds) : 288
Runtime this run(seconds) : 3
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b82a5 d3d4\n', "Method       Method started:  line# 12 at location 'P
1-C6>  18:07:01 09/10/21\n", ' 443 41e2 613b82a5 d3d4\n', "Method        ' inj# 1
18:07:01 09/10/21\n", ' 3bf 41e2 613b82a5    0\n', 'Method       Instrument running
sample from location P1-C6  18:07:01 09/10/21\n', '  70 1daf 613b82aa    0\n', 'G131
5C     1 G1315C:DE63055907 - Detector: Prepare         18:07:06 09/10/21\n', '  70
1daf 613b82b7    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
18:07:19 09/10/21\n', '  70 1dac 613b82cf    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                    18:07:43 09/10/21\n', '  70 1dae 613b83c0    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                18:11:44 09/10/21\n', '  70 1
dac 613b83c0    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun               1
8:11:44 09/10/21\n', ' 3bf 41e2 613b83c2    0\n', 'Method       Instrument run compl
eted                  18:11:46 09/10/21\n', ' 875 41e2 613b83c3    0\n', 'Metho
d        Saving Method SAA_411_Doc.M              18:11:47 09/10/21\n', ' 875 4
1e2 613b83c3    0\n', 'Method        Saving Method RUN.M                      1
8:11:47 09/10/21\n', '  70 41e0 613b83c3    0\n', 'CP Macro     Analyzing rawdata 21
0910_Doc--012.D           18:11:47 09/10/21\n', ' 875 41e2 613b83c4    0\n', 'Metho
d        Saving Method DA.M                      18:11:48 09/10/21\n', ' 3bf 4
1e2 613b83c5    0\n', 'Method        Method completed                       1
8:11:49 09/10/21\n', ' 443 41e2 613f166c   50\n', "Method        Method started:  lin
e# 12 at location 'P1-C6>  11:14:20 09/13/21\n", ' 443 41e2 613f166c   50\n', "Metho
d         ' inj# 1                                     11:14:20 09/13/21\n", '  70 4
1e0 613f166d    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--012.D        1
1:14:21 09/13/21\n', ' 875 41e2 613f166e    0\n', 'Method       Saving Method DA.M
11:14:22 09/13/21\n', ' 3bf 41e2 613f166f    0\n', 'Method       Method completed
11:14:23 09/13/21\n']
Sample - 210910_Doc--012 :
start date : 11:14:20 09/13/21
end date : 11:14:23 09/13/21
runtime : 3

Runtime this run(seconds) : 289
Runtime this run(seconds) : 3
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b83c5 d3d4\n', "Method       Method started:  line# 13 at location 'P
1-C7>  18:11:49 09/10/21\n", ' 443 41e2 613b83c5 d3d4\n', "Method        ' inj# 1
18:11:49 09/10/21\n", ' 3bf 41e2 613b83c7    0\n', 'Method       Instrument running
sample from location P1-C7  18:11:51 09/10/21\n', '  70 1daf 613b83ca    0\n', 'G131
5C     1 G1315C:DE63055907 - Detector: Prepare         18:11:54 09/10/21\n', '  70
1daf 613b83d7    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
18:12:07 09/10/21\n', '  70 1daf 613b83ef    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                    18:12:31 09/10/21\n', '  70 1dac 613b84e0    0\n', 'G7110
```

```
B     1 G7110B:DEAEH01167 - Postrun                          18:16:32 09/10/21\n', '  70 1
dae 613b84e0    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                        1
8:16:32 09/10/21\n', ' 3bf 41e2 613b84e3    0\n', 'Method        Instrument run compl
eted                          18:16:35 09/10/21\n', ' 875 41e2 613b84e4    0\n', 'Metho
d       Saving Method SAA_411_Doc.M                         18:16:36 09/10/21\n', ' 875 4
1e2 613b84e4    0\n', 'Method        Saving Method RUN.M                              1
8:16:36 09/10/21\n', '  70 41e0 613b84e4    0\n', 'CP Macro     Analyzing rawdata 21
0910_Doc--013.D              18:16:36 09/10/21\n', ' 875 41e2 613b84e4    0\n', 'Metho
d       Saving Method DA.M                               18:16:36 09/10/21\n', ' 3bf 4
1e2 613b84e6    0\n', 'Method        Method completed                             1
8:16:38 09/10/21\n', ' 443 41e2 613f166f   50\n', "Method        Method started:  lin
e# 13 at location 'P1-C7>  11:14:23 09/13/21\n", ' 443 41e2 613f166f   50\n', "Metho
d        ' inj# 1                                     11:14:23 09/13/21\n", '  70 4
1e0 613f1670    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--013.D            1
1:14:24 09/13/21\n', ' 875 41e2 613f1671    0\n', 'Method        Saving Method DA.M
11:14:25 09/13/21\n', ' 3bf 41e2 613f1672    0\n', 'Method        Method completed
11:14:26 09/13/21\n']
Sample - 210910_Doc--013 :
start date : 11:14:23 09/13/21
end date : 11:14:26 09/13/21
runtime : 3


Runtime this run(seconds) : 287
Runtime this run(seconds) : 4
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b84e6 1400\n', "Method        Method started:  line# 14 at location 'P
1-A1>  18:16:38 09/10/21\n", ' 443 41e2 613b84e6 1400\n', "Method         ' inj# 1
18:16:38 09/10/21\n", ' 3bf 41e2 613b84e8    0\n', 'Method        Instrument running
a blank run                   18:16:40 09/10/21\n', '  70 1daf 613b84ea    0\n', 'G131
5C     1 G1315C:DE63055907 - Detector: Prepare          18:16:42 09/10/21\n', '  70
1daf 613b84f7    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle
18:16:55 09/10/21\n', '  70 1dac 613b850f    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Run                           18:17:19 09/10/21\n', '  70 1dac 613b8600    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                          18:21:20 09/10/21\n', '  70 1
daa 613b8600    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun                        1
8:21:20 09/10/21\n', '  70 1dae 613b8600    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                       18:21:20 09/10/21\n', ' 3bf 41e2 613b8603    0\n', 'Metho
d       Instrument run completed                    18:21:23 09/10/21\n', ' 875 4
1e2 613b8604    0\n', 'Method        Saving Method SAA_411_Doc.M                        1
8:21:24 09/10/21\n', ' 875 41e2 613b8604    0\n', 'Method        Saving Method RUN.M
18:21:24 09/10/21\n', '  70 41e0 613b8604    0\n', 'CP Macro     Analyzing rawdata 2
10910_Doc--014.D              18:21:24 09/10/21\n', ' 875 41e2 613b8604    0\n', 'Meth
od      Saving Method DA.M                               18:21:24 09/10/21\n', ' 3bf
41e2 613b8605    0\n', 'Method        Method completed
18:21:25 09/10/21\n', ' 443 41e2 613f1672   50\n', "Method        Method started:  li
ne# 14 at location 'P1-A1>  11:14:26 09/13/21\n", ' 443 41e2 613f1672   50\n', "Meth
od        ' inj# 1                                     11:14:26 09/13/21\n", '  70
41e0 613f1674    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--014.D
11:14:28 09/13/21\n', ' 875 41e2 613f1675    0\n', 'Method        Saving Method DA.M
11:14:29 09/13/21\n', ' 3bf 41e2 613f1676    0\n', 'Method        Method completed
11:14:30 09/13/21\n']
Sample - 014-blank :
start date : 11:14:26 09/13/21
end date : 11:14:30 09/13/21
runtime : 4
```

```
Runtime this run(seconds) : 288
Runtime this run(seconds) : 4
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b8605 1414\n', "Method      Method started:  line# 15 at location 'P
1-C1>  18:21:25 09/10/21\n", ' 443 41e2 613b8605 1414\n', "Method        ' inj# 1
18:21:25 09/10/21\n", ' 3bf 41e2 613b8607    0\n', 'Method        Instrument running
sample from location P1-C1  18:21:27 09/10/21\n', '  70 1daf 613b860a    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare          18:21:30 09/10/21\n', '  70
1daf 613b8617    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
18:21:43 09/10/21\n', '  70 1daf 613b862f    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                      18:22:07 09/10/21\n', '  70 1dac 613b871f    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                      18:26:07 09/10/21\n', '  70 1
dae 613b871f    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                      1
8:26:07 09/10/21\n', '  70 1daa 613b871f    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                      18:26:07 09/10/21\n', ' 3bf 41e2 613b8722    0\n', 'Metho
d      Instrument run completed                      18:26:10 09/10/21\n', ' 875 4
1e2 613b8723    0\n', 'Method      Saving Method SAA_411_Doc.M                      1
8:26:11 09/10/21\n', ' 875 41e2 613b8723    0\n', 'Method      Saving Method RUN.M
18:26:11 09/10/21\n', '  70 41e0 613b8723    0\n', 'CP Macro      Analyzing rawdata 2
10910_Doc--015.D          18:26:11 09/10/21\n', ' 875 41e2 613b8723    0\n', 'Meth
od      Saving Method DA.M                      18:26:11 09/10/21\n', ' 3bf
41e2 613b8725    0\n', 'Method      Method completed
18:26:13 09/10/21\n', ' 443 41e2 613f1676    50\n', "Method      Method started:  li
ne# 15 at location 'P1-C1>  11:14:30 09/13/21\n", ' 443 41e2 613f1676    50\n', "Meth
od        ' inj# 1                      11:14:30 09/13/21\n", '  70
41e0 613f1679    0\n', 'CP Macro      Analyzing rawdata 210910_Doc--015.D
11:14:33 09/13/21\n', ' 875 41e2 613f1679    0\n', 'Method      Saving Method DA.M
11:14:33 09/13/21\n', ' 3bf 41e2 613f167a    0\n', 'Method      Method completed
11:14:34 09/13/21\n']
Sample - 210910_Doc--015 :
start date : 11:14:30 09/13/21
end date : 11:14:34 09/13/21
runtime : 4


Runtime this run(seconds) : 287
Runtime this run(seconds) : 3
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b8725 1414\n', "Method      Method started:  line# 16 at location 'P
1-A1>  18:26:13 09/10/21\n", ' 443 41e2 613b8725 1414\n', "Method        ' inj# 1
18:26:13 09/10/21\n", ' 3bf 41e2 613b8726    0\n', 'Method        Instrument running
a blank run                      18:26:14 09/10/21\n', '  70 1daf 613b8729    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare          18:26:17 09/10/21\n', '  70
1daf 613b8736    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
18:26:30 09/10/21\n', '  70 1dac 613b874e    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                      18:26:54 09/10/21\n', '  70 1dac 613b883f    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                      18:30:55 09/10/21\n', '  70 1
dae 613b883f    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                      1
8:30:55 09/10/21\n', ' 3bf 41e2 613b8841    0\n', 'Method        Instrument run compl
eted                      18:30:57 09/10/21\n', ' 875 41e2 613b8842    0\n', 'Metho
d      Saving Method SAA_411_Doc.M                      18:30:58 09/10/21\n', ' 875 4
1e2 613b8842    0\n', 'Method      Saving Method RUN.M                      1
8:30:58 09/10/21\n', '  70 41e0 613b8843    0\n', 'CP Macro      Analyzing rawdata 21
0910_Doc--016.D          18:30:59 09/10/21\n', ' 875 41e2 613b8843    0\n', 'Metho
```

```
d       Saving Method DA.M                          18:30:59 09/10/21\n', ' 3bf 4
1e2 613b8844    0\n', 'Method       Method completed                         1
8:31:00 09/10/21\n', ' 443 41e2 613f167a   50\n', "Method      Method started:  lin
e# 16 at location 'P1-A1>  11:14:34 09/13/21\n", ' 443 41e2 613f167a   50\n', "Metho
d       ' inj# 1                                      11:14:34 09/13/21\n", '  70 4
1e0 613f167b    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--016.D           1
1:14:35 09/13/21\n', ' 875 41e2 613f167c    0\n', 'Method      Saving Method DA.M
11:14:36 09/13/21\n', ' 3bf 41e2 613f167d    0\n', 'Method      Method completed
11:14:37 09/13/21\n']
Sample - 016-blank :
start date : 11:14:34 09/13/21
end date : 11:14:37 09/13/21
runtime : 3


Runtime this run(seconds) : 303
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 613b7638    0\n', "Method       Method started:  line# 1 at location 'P
1-A1'>  17:14:00 09/10/21\n", ' 443 41e2 613b7638    0\n', 'Method       inj# 1
17:14:00 09/10/21\n', ' 3bf 41e2 613b7638    0\n', 'Method       Instrument running
a blank run                   17:14:00 09/10/21\n', '  70 1dac 613b7638    0\n', 'G711
0B      1 G7110B:DEAEH01167 - Pump on                    17:14:00 09/10/21\n', '  70
1dad 613b763a    0\n', 'G1312B      2 G1312B:DE63056112 - Pump on
17:14:02 09/10/21\n', '  70 1daf 613b7649    0\n', 'G1315C      1 G1315C:DE63055907 -
Detector: Prepare           17:14:17 09/10/21\n', '  70 1daf 613b7656    0\n', 'G1315
C      1 G1315C:DE63055907 - Detector: Idle           17:14:30 09/10/21\n', '  70 1
daf 613b766f    0\n', 'G1315C      1 G1315C:DE63055907 - Run                     1
7:14:55 09/10/21\n', '  70 1dac 613b775f    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Postrun                   17:18:55 09/10/21\n', '  70 1dae 613b7760    0\n', 'G7116
B      2 G7116B:DEBAZ03738 - Postrun                    17:18:56 09/10/21\n', ' 3bf 4
1e2 613b7762    0\n', 'Method       Instrument run completed                     1
7:18:58 09/10/21\n', ' 875 41e2 613b7763    0\n', 'Method      Saving Method SAA_41
1_Doc.M                   17:18:59 09/10/21\n', ' 875 41e2 613b7763    0\n', 'Metho
d       Saving Method RUN.M                    17:18:59 09/10/21\n', '  70 4
1e0 613b7763    0\n', 'CP Macro     Analyzing rawdata 210910_Doc.D               1
7:18:59 09/10/21\n', ' 875 41e2 613b7764    0\n', 'Method      Saving Method DA.M
17:19:00 09/10/21\n', ' 3bf 41e2 613b7767    0\n', 'Method       Method completed
17:19:03 09/10/21\n', ' 443 41e2 613f164b    0\n', "Method      Method started:  li
ne# 1 at location 'P1-A1'>  11:13:47 09/13/21\n", ' 443 41e2 613f164b    0\n', 'Meth
od       inj# 1                                      11:13:47 09/13/21\n', '  70
41e0 613f164c    0\n', 'CP Macro     Analyzing rawdata 210910_Doc.D
11:13:48 09/13/21\n', ' 875 41e2 613f164c    0\n', 'Method      Saving Method DA.M
11:13:48 09/13/21\n', ' 3bf 41e2 613f164d    0\n', 'Method       Method completed
11:13:49 09/13/21\n']
Sample - 001-blank :
start date : 11:13:47 09/13/21
end date : 11:13:49 09/13/21
runtime : 2


Runtime this run(seconds) : 337
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128a312    0\n', "Method      Method started:  line# 2 at location 'P
1-F1'>  10:32:18 08/27/21\n", ' 443 41e2 6128a312    0\n', 'Method       inj# 2
10:32:18 08/27/21\n', ' 3bf 41e2 6128a314    0\n', 'Method       Instrument running
```

```
                   a blank run                        10:32:20 08/27/21\n', '  70 1dac 6128a331    0\n', 'G711
0B    1 G7110B:DEAEH01167 - Run                          10:32:49 08/27/21\n', '  70
1dac 6128a45e    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
10:37:50 08/27/21\n', '  70 1dae 6128a45e    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                          10:37:50 08/27/21\n', '  70 1daa 6128a45e    0\n', 'G1316
B    1 G1316B:DE60555985 - Postrun                      10:37:50 08/27/21\n', ' 3bf 4
1e2 6128a461    0\n', 'Method        Instrument run completed                 1
0:37:53 08/27/21\n', ' 875 41e2 6128a462    0\n', 'Method        Saving Method SAA_41
1_Irino.M                      10:37:54 08/27/21\n', ' 875 41e2 6128a462    0\n', 'Metho
d       Saving Method RUN.M                         10:37:54 08/27/21\n', '  70 4
1e0 6128a462    0\n', 'CP Macro      Analyzing rawdata 210827_Irino2--002.D         1
0:37:54 08/27/21\n', ' 875 41e2 6128a462    0\n', 'Method        Saving Method DA.M
10:37:54 08/27/21\n', '  70 41e0 6128a463    0\n', 'CP Macro      Report could not be
created.                      10:37:55 08/27/21\n', ' 3bf 41e2 6128a463    0\n', 'Metho
d       Method completed                         10:37:55 08/27/21\n']
Sample - 002-blank :
start date : 10:32:18 08/27/21
end date : 10:37:55 08/27/21
runtime : 337

Runtime this run(seconds) : 337
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128a463 4700\n', "Method        Method started:  line# 3 at location 'P
1-F1'>  10:37:55 08/27/21\n", ' 443 41e2 6128a463 4700\n', 'Method        inj# 3
10:37:55 08/27/21\n', ' 3bf 41e2 6128a465    0\n', 'Method        Instrument running
a blank run                        10:37:57 08/27/21\n', '  70 1daf 6128a482    0\n', 'G131
5C    1 G1315C:DE63055907 - Run                         10:38:26 08/27/21\n', '  70
1dac 6128a5ae    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
10:43:26 08/27/21\n', '  70 1dae 6128a5ae    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                          10:43:26 08/27/21\n', ' 3bf 41e2 6128a5b1    0\n', 'Metho
d       Instrument run completed                 10:43:29 08/27/21\n', ' 875 4
1e2 6128a5b2    0\n', 'Method        Saving Method SAA_411_Irino.M                 1
0:43:30 08/27/21\n', ' 875 41e2 6128a5b3    0\n', 'Method        Saving Method RUN.M
10:43:31 08/27/21\n', '  70 41e0 6128a5b3    0\n', 'CP Macro      Analyzing rawdata 2
10827_Irino2--003.D         10:43:31 08/27/21\n', ' 875 41e2 6128a5b3    0\n', 'Meth
od       Saving Method DA.M                         10:43:31 08/27/21\n', '  70
41e0 6128a5b3    0\n', 'CP Macro      Report could not be created.
10:43:31 08/27/21\n', ' 3bf 41e2 6128a5b4    0\n', 'Method        Method completed
10:43:32 08/27/21\n']
Sample - 003-blank :
start date : 10:37:55 08/27/21
end date : 10:43:32 08/27/21
runtime : 337

Runtime this run(seconds) : 336
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128a5b4 d3a4\n', "Method        Method started:  line# 4 at location 'P
1-F1'>  10:43:32 08/27/21\n", ' 443 41e2 6128a5b4 d3a4\n', 'Method        inj# 4
10:43:32 08/27/21\n', ' 3bf 41e2 6128a5b6    0\n', 'Method        Instrument running
a blank run                        10:43:34 08/27/21\n', '  70 1dac 6128a5d2    0\n', 'G711
0B    1 G7110B:DEAEH01167 - Run                          10:44:02 08/27/21\n', '  70
1dac 6128a6fe    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
10:49:02 08/27/21\n', '  70 1dae 6128a6ff    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                          10:49:03 08/27/21\n', ' 3bf 41e2 6128a702    0\n', 'Metho
```

d   Instrument run completed   10:49:06 08/27/21\n', ' 875 4
1e2 6128a702   0\n', 'Method   Saving Method SAA_411_Irino.M   1
0:49:06 08/27/21\n', ' 875 41e2 6128a703   0\n', 'Method   Saving Method RUN.M
10:49:07 08/27/21\n', ' 70 41e0 6128a703   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--004.D   10:49:07 08/27/21\n', ' 875 41e2 6128a703   0\n', 'Meth
od   Saving Method DA.M   10:49:07 08/27/21\n', ' 70
41e0 6128a704   0\n', 'CP Macro   Report could not be created.
10:49:08 08/27/21\n', ' 3bf 41e2 6128a704   0\n', 'Method   Method completed
10:49:08 08/27/21\n']
Sample - 004-blank :
start date : 10:43:32 08/27/21
end date : 10:49:08 08/27/21
runtime : 336

Runtime this run(seconds) : 336
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128a704 474c\n', "Method   Method started: line# 5 at location 'P
1-F1'> 10:49:08 08/27/21\n", ' 443 41e2 6128a704 474c\n', 'Method   inj# 5
10:49:08 08/27/21\n', ' 3bf 41e2 6128a706   0\n', 'Method   Instrument running
a blank run   10:49:10 08/27/21\n', ' 70 1daf 6128a723   0\n', 'G131
5C   1 G1315C:DE63055907 - Run   10:49:39 08/27/21\n', ' 70
1dac 6128a84f   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun
10:54:39 08/27/21\n', ' 70 1dae 6128a84f   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   10:54:39 08/27/21\n', ' 3bf 41e2 6128a852   0\n', 'Metho
d   Instrument run completed   10:54:42 08/27/21\n', ' 875 4
1e2 6128a853   0\n', 'Method   Saving Method SAA_411_Irino.M   1
0:54:43 08/27/21\n', ' 875 41e2 6128a853   0\n', 'Method   Saving Method RUN.M
10:54:43 08/27/21\n', ' 70 41e0 6128a853   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--005.D   10:54:43 08/27/21\n', ' 875 41e2 6128a854   0\n', 'Meth
od   Saving Method DA.M   10:54:44 08/27/21\n', ' 70
41e0 6128a854   0\n', 'CP Macro   Report could not be created.
10:54:44 08/27/21\n', ' 3bf 41e2 6128a854   0\n', 'Method   Method completed
10:54:44 08/27/21\n']
Sample - 005-blank :
start date : 10:49:08 08/27/21
end date : 10:54:44 08/27/21
runtime : 336

Runtime this run(seconds) : 337
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128a854 d3a4\n', "Method   Method started: line# 6 at location 'P
1-F2'> 10:54:44 08/27/21\n", ' 443 41e2 6128a854 d3a4\n', 'Method   inj# 1
10:54:44 08/27/21\n', ' 3bf 41e2 6128a856   0\n', 'Method   Instrument running
sample from location P1-F2 10:54:46 08/27/21\n', ' 70 1daf 6128a873   0\n', 'G131
5C   1 G1315C:DE63055907 - Run   10:55:15 08/27/21\n', ' 70
1dae 6128a99f   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:00:15 08/27/21\n', ' 3bf 41e2 6128a9a2   0\n', 'Method   Instrument run comp
leted   11:00:18 08/27/21\n', ' 875 41e2 6128a9a3   0\n', 'Meth
od   Saving Method SAA_411_Irino.M   11:00:19 08/27/21\n', ' 875
41e2 6128a9a4   0\n', 'Method   Saving Method RUN.M
11:00:20 08/27/21\n', ' 70 41e0 6128a9a4   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--006.D   11:00:20 08/27/21\n', ' 875 41e2 6128a9a4   0\n', 'Meth
od   Saving Method DA.M   11:00:20 08/27/21\n', ' 70
41e0 6128a9a4   0\n', 'CP Macro   Report could not be created.

```
11:00:20 08/27/21\n', ' 3bf 41e2 6128a9a5    0\n', 'Method        Method completed
11:00:21 08/27/21\n']
Sample - 210827_Irino2--006 :
start date : 10:54:44 08/27/21
end date : 11:00:21 08/27/21
runtime : 337

Runtime this run(seconds) : 336
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128a9a5 474c\n', "Method        Method started:  line# 7 at location 'P
1-F1'>  11:00:21 08/27/21\n", ' 443 41e2 6128a9a5 474c\n', 'Method        inj# 1
11:00:21 08/27/21\n', ' 3bf 41e2 6128a9a7    0\n', 'Method        Instrument running
a blank run                   11:00:23 08/27/21\n', '  70 1dac 6128a9c4    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                     11:00:52 08/27/21\n', '  70
1dac 6128aaf0    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:05:52 08/27/21\n', '  70 1dae 6128aaf0    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                   11:05:52 08/27/21\n', ' 3bf 41e2 6128aaf3    0\n', 'Metho
d        Instrument run completed                     11:05:55 08/27/21\n', ' 875 4
1e2 6128aaf4    0\n', 'Method        Saving Method SAA_411_Irino.M               1
1:05:56 08/27/21\n', ' 875 41e2 6128aaf4    0\n', 'Method        Saving Method RUN.M
11:05:56 08/27/21\n', '  70 41e0 6128aaf4    0\n', 'CP Macro     Analyzing rawdata 2
10827_Irino2--007.D          11:05:56 08/27/21\n', ' 875 41e2 6128aaf4    0\n', 'Meth
od        Saving Method DA.M                         11:05:56 08/27/21\n', '  70
41e0 6128aaf5    0\n', 'CP Macro     Report could not be created.
11:05:57 08/27/21\n', ' 3bf 41e2 6128aaf5    0\n', 'Method        Method completed
11:05:57 08/27/21\n']
Sample - 007-blank :
start date : 11:00:21 08/27/21
end date : 11:05:57 08/27/21
runtime : 336

Runtime this run(seconds) : 336
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128aaf5 474c\n', "Method        Method started:  line# 8 at location 'P
1-F3'>  11:05:57 08/27/21\n", ' 443 41e2 6128aaf5 474c\n', 'Method        inj# 1
11:05:57 08/27/21\n', ' 3bf 41e2 6128aaf7    0\n', 'Method        Instrument running
sample from location P1-F3  11:05:59 08/27/21\n', '  70 1dac 6128ab14    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                     11:06:28 08/27/21\n', '  70
1dac 6128ac40    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:11:28 08/27/21\n', '  70 1dae 6128ac40    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                   11:11:28 08/27/21\n', '  70 1daa 6128ac40    0\n', 'G1316
B      1 G1316B:DE60555985 - Postrun                     11:11:28 08/27/21\n', ' 3bf 4
1e2 6128ac43    0\n', 'Method        Instrument run completed                   1
1:11:31 08/27/21\n', ' 875 41e2 6128ac44    0\n', 'Method        Saving Method SAA_41
1_Irino.M                 11:11:32 08/27/21\n', ' 875 41e2 6128ac44    0\n', 'Metho
d        Saving Method RUN.M                         11:11:32 08/27/21\n', '  70 4
1e0 6128ac45    0\n', 'CP Macro     Analyzing rawdata 210827_Irino2--008.D          1
1:11:33 08/27/21\n', ' 875 41e2 6128ac45    0\n', 'Method        Saving Method DA.M
11:11:33 08/27/21\n', '  70 41e0 6128ac45    0\n', 'CP Macro     Report could not be
created.                  11:11:33 08/27/21\n', ' 3bf 41e2 6128ac45    0\n', 'Metho
d        Method completed                         11:11:33 08/27/21\n']
Sample - 210827_Irino2--008 :
start date : 11:05:57 08/27/21
end date : 11:11:33 08/27/21
```

```
                    runtime : 336

                    Runtime this run(seconds) : 336
                    Times started(in event of fault) : 1
                    This files logs
                    [' 443 41e2 6128ac46 4700\n', "Method        Method started:  line# 9 at location 'P
                    1-F1'>  11:11:34 08/27/21\n", ' 443 41e2 6128ac46 4700\n', 'Method          inj# 1
                    11:11:34 08/27/21\n', ' 3bf 41e2 6128ac48    0\n', 'Method        Instrument running
                    a blank run                  11:11:36 08/27/21\n', '  70 1daf 6128ac64    0\n', 'G131
                    5C      1 G1315C:DE63055907 - Run                       11:12:04 08/27/21\n', '  70
                    1dae 6128ad91    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun
                    11:17:05 08/27/21\n', '  70 1dac 6128ad91    0\n', 'G7110B      1 G7110B:DEAEH01167 -
                    Postrun                   11:17:05 08/27/21\n', ' 3bf 41e2 6128ad94    0\n', 'Metho
                    d        Instrument run completed                       11:17:08 08/27/21\n', ' 875 4
                    1e2 6128ad95    0\n', 'Method        Saving Method SAA_411_Irino.M                 1
                    1:17:09 08/27/21\n', ' 875 41e2 6128ad95    0\n', 'Method        Saving Method RUN.M
                    11:17:09 08/27/21\n', '  70 41e0 6128ad95    0\n', 'CP Macro      Analyzing rawdata 2
                    10827_Irino2--009.D          11:17:09 08/27/21\n', ' 875 41e2 6128ad95    0\n', 'Meth
                    od        Saving Method DA.M                            11:17:09 08/27/21\n', '  70
                    41e0 6128ad96    0\n', 'CP Macro      Report could not be created.
                    11:17:10 08/27/21\n', ' 3bf 41e2 6128ad96    0\n', 'Method        Method completed
                    11:17:10 08/27/21\n']
                    Sample - 009-blank :
                    start date : 11:11:34 08/27/21
                    end date : 11:17:10 08/27/21
                    runtime : 336

                    Runtime this run(seconds) : 337
                    Times started(in event of fault) : 1
                    This files logs
                    [' 443 41e2 6128ad96 4700\n', "Method        Method started:  line# 10 at location 'P
                    1-F7>  11:17:10 08/27/21\n", ' 443 41e2 6128ad96 4700\n', "Method        ' inj# 1
                    11:17:10 08/27/21\n", ' 3bf 41e2 6128ad98    0\n', 'Method        Instrument running
                    sample from location P1-F7  11:17:12 08/27/21\n', '  70 1daf 6128adb5    0\n', 'G131
                    5C      1 G1315C:DE63055907 - Run                       11:17:41 08/27/21\n', '  70
                    1dac 6128aee1    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
                    11:22:41 08/27/21\n', '  70 1dae 6128aee2    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
                    Postrun                   11:22:42 08/27/21\n', '  70 1daa 6128aee2    0\n', 'G1316
                    B      1 G1316B:DE60555985 - Postrun                    11:22:42 08/27/21\n', ' 3bf 4
                    1e2 6128aee4    0\n', 'Method        Instrument run completed                     1
                    1:22:44 08/27/21\n', ' 875 41e2 6128aee5    0\n', 'Method        Saving Method SAA_41
                    1_Irino.M                 11:22:45 08/27/21\n', ' 875 41e2 6128aee6    0\n', 'Metho
                    d        Saving Method RUN.M                            11:22:46 08/27/21\n', '  70 4
                    1e0 6128aee6    0\n', 'CP Macro      Analyzing rawdata 210827_Irino2--010.D        1
                    1:22:46 08/27/21\n', ' 875 41e2 6128aee6    0\n', 'Method        Saving Method DA.M
                    11:22:46 08/27/21\n', '  70 41e0 6128aee7    0\n', 'CP Macro      Report could not be
                    created.                  11:22:47 08/27/21\n', ' 3bf 41e2 6128aee7    0\n', 'Metho
                    d        Method completed                               11:22:47 08/27/21\n']
                    Sample - 210827_Irino2--010 :
                    start date : 11:17:10 08/27/21
                    end date : 11:22:47 08/27/21
                    runtime : 337

                    Runtime this run(seconds) : 337
                    Times started(in event of fault) : 1
                    This files logs
```

```
[' 443 41e2 6128aee7    0\n', "Method       Method started:  line# 11 at location 'P
1-F8>  11:22:47 08/27/21\n", ' 443 41e2 6128aee7    0\n', "Method        ' inj# 1
11:22:47 08/27/21\n", ' 3bf 41e2 6128aee9    0\n', 'Method       Instrument running
sample from location P1-F8  11:22:49 08/27/21\n', '  70 1daf 6128af05    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                       11:23:17 08/27/21\n', '  70
1dae 6128b032    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun
11:28:18 08/27/21\n', '  70 1dac 6128b032    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                       11:28:18 08/27/21\n', '  70 1daa 6128b032    0\n', 'G1316
B     1 G1316B:DE60555985 - Postrun                       11:28:18 08/27/21\n', ' 3bf 4
1e2 6128b035    0\n', 'Method       Instrument run completed                 1
1:28:21 08/27/21\n', ' 875 41e2 6128b036    0\n', 'Method       Saving Method SAA_41
1_Irino.M                11:28:22 08/27/21\n', ' 875 41e2 6128b037    0\n', 'Metho
d       Saving Method RUN.M                          11:28:23 08/27/21\n', '  70 4
1e0 6128b037    0\n', 'CP Macro     Analyzing rawdata 210827_Irino2--011.D        1
1:28:23 08/27/21\n', ' 875 41e2 6128b037    0\n', 'Method       Saving Method DA.M
11:28:23 08/27/21\n', '  70 41e0 6128b038    0\n', 'CP Macro     Report could not be
created.                11:28:24 08/27/21\n', ' 3bf 41e2 6128b038    0\n', 'Metho
d       Method completed                        11:28:24 08/27/21\n']
Sample - 210827_Irino2--011 :
start date : 11:22:47 08/27/21
end date : 11:28:24 08/27/21
runtime : 337

Runtime this run(seconds) : 336
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128b038 d3a4\n', "Method       Method started:  line# 12 at location 'P
1-F9>  11:28:24 08/27/21\n", ' 443 41e2 6128b038 d3a4\n', "Method        ' inj# 1
11:28:24 08/27/21\n", ' 3bf 41e2 6128b03a    0\n', 'Method       Instrument running
sample from location P1-F9  11:28:26 08/27/21\n', '  70 1daf 6128b056    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                       11:28:54 08/27/21\n', '  70
1dac 6128b183    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:33:55 08/27/21\n', '  70 1dae 6128b183    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                       11:33:55 08/27/21\n', '  70 1daa 6128b183    0\n', 'G1316
B     1 G1316B:DE60555985 - Postrun                       11:33:55 08/27/21\n', ' 3bf 4
1e2 6128b186    0\n', 'Method       Instrument run completed                 1
1:33:58 08/27/21\n', ' 875 41e2 6128b187    0\n', 'Method       Saving Method SAA_41
1_Irino.M                11:33:59 08/27/21\n', ' 875 41e2 6128b187    0\n', 'Metho
d       Saving Method RUN.M                          11:33:59 08/27/21\n', '  70 4
1e0 6128b187    0\n', 'CP Macro     Analyzing rawdata 210827_Irino2--012.D        1
1:33:59 08/27/21\n', ' 875 41e2 6128b187    0\n', 'Method       Saving Method DA.M
11:33:59 08/27/21\n', '  70 41e0 6128b188    0\n', 'CP Macro     Report could not be
created.                11:34:00 08/27/21\n', ' 3bf 41e2 6128b188    0\n', 'Metho
d       Method completed                        11:34:00 08/27/21\n']
Sample - 210827_Irino2--012 :
start date : 11:28:24 08/27/21
end date : 11:34:00 08/27/21
runtime : 336

Runtime this run(seconds) : 338
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128b188 474c\n', "Method       Method started:  line# 13 at location 'P
1-D2>  11:34:00 08/27/21\n", ' 443 41e2 6128b188 474c\n', "Method        ' inj# 1
11:34:00 08/27/21\n", ' 3bf 41e2 6128b18a    0\n', 'Method       Instrument running
sample from location P1-D2  11:34:02 08/27/21\n', '  70 1daf 6128b1a8    0\n', 'G131
```

```
5C      1 G1315C:DE63055907 - Run                        11:34:32 08/27/21\n', '  70
1dac 6128b2d4    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:39:32 08/27/21\n', '  70 1dae 6128b2d4    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                       11:39:32 08/27/21\n', '  70 1daa 6128b2d4    0\n', 'G1316
B      1 G1316B:DE60555985 - Postrun                   11:39:32 08/27/21\n', ' 3bf 4
1e2 6128b2d7    0\n', 'Method        Instrument run completed                    1
1:39:35 08/27/21\n', ' 875 41e2 6128b2d8    0\n', 'Method        Saving Method SAA_41
1_Irino.M                11:39:36 08/27/21\n', ' 875 41e2 6128b2d9    0\n', 'Metho
d        Saving Method RUN.M                         11:39:37 08/27/21\n', '  70 4
1e0 6128b2d9    0\n', 'CP Macro      Analyzing rawdata 210827_Irino2--013.D         1
1:39:37 08/27/21\n', ' 875 41e2 6128b2d9    0\n', 'Method        Saving Method DA.M
11:39:37 08/27/21\n', '  70 41e0 6128b2da    0\n', 'CP Macro      Report could not be
created.                  11:39:38 08/27/21\n', ' 3bf 41e2 6128b2da    0\n', 'Metho
d        Method completed                          11:39:38 08/27/21\n']
Sample - 210827_Irino2--013 :
start date : 11:34:00 08/27/21
end date : 11:39:38 08/27/21
runtime : 338

Runtime this run(seconds) : 337
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128b2da 474c\n', "Method        Method started:  line# 14 at location 'P
1-D3>  11:39:38 08/27/21\n", ' 443 41e2 6128b2da 474c\n', "Method         ' inj# 1
11:39:38 08/27/21\n", ' 3bf 41e2 6128b2dc    0\n', 'Method        Instrument running
sample from location P1-D3  11:39:40 08/27/21\n', '  70 1daf 6128b2f9    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        11:40:09 08/27/21\n', '  70
1dac 6128b426    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:45:10 08/27/21\n', '  70 1dae 6128b426    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                       11:45:10 08/27/21\n', ' 3bf 41e2 6128b428    0\n', 'Metho
d        Instrument run completed                        11:45:12 08/27/21\n', ' 875 4
1e2 6128b429    0\n', 'Method        Saving Method SAA_411_Irino.M                   1
1:45:13 08/27/21\n', ' 875 41e2 6128b42a    0\n', 'Method        Saving Method RUN.M
11:45:14 08/27/21\n', '  70 41e0 6128b42a    0\n', 'CP Macro      Analyzing rawdata 2
10827_Irino2--014.D         11:45:14 08/27/21\n', ' 875 41e2 6128b42a    0\n', 'Meth
od        Saving Method DA.M                           11:45:14 08/27/21\n', '  70
41e0 6128b42a    0\n', 'CP Macro      Report could not be created.
11:45:14 08/27/21\n', ' 3bf 41e2 6128b42b    0\n', 'Method        Method completed
11:45:15 08/27/21\n']
Sample - 210827_Irino2--014 :
start date : 11:39:38 08/27/21
end date : 11:45:15 08/27/21
runtime : 337

Runtime this run(seconds) : 337
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128b42b d3a4\n', "Method        Method started:  line# 15 at location 'P
1-D4>  11:45:15 08/27/21\n", ' 443 41e2 6128b42b d3a4\n', "Method         ' inj# 1
11:45:15 08/27/21\n", ' 3bf 41e2 6128b42d    0\n', 'Method        Instrument running
sample from location P1-D4  11:45:17 08/27/21\n', '  70 1daf 6128b44a    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        11:45:46 08/27/21\n', '  70
1dac 6128b576    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:50:46 08/27/21\n', '  70 1dae 6128b576    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                       11:50:46 08/27/21\n', ' 3bf 41e2 6128b579    0\n', 'Metho
d        Instrument run completed                        11:50:49 08/27/21\n', ' 875 4
```

```
1e2 6128b57a     0\n', 'Method        Saving Method SAA_411_Irino.M                    1
1:50:50 08/27/21\n', ' 875 41e2 6128b57b     0\n', 'Method       Saving Method RUN.M
11:50:51 08/27/21\n', '  70 41e0 6128b57b     0\n', 'CP Macro     Analyzing rawdata 2
10827_Irino2--015.D         11:50:51 08/27/21\n', ' 875 41e2 6128b57b     0\n', 'Meth
od        Saving Method DA.M                             11:50:51 08/27/21\n', '  70
41e0 6128b57b     0\n', 'CP Macro      Report could not be created.
11:50:51 08/27/21\n', ' 3bf 41e2 6128b57c     0\n', 'Method       Method completed
11:50:52 08/27/21\n']
Sample - 210827_Irino2--015 :
start date : 11:45:15 08/27/21
end date : 11:50:52 08/27/21
runtime : 337


Runtime this run(seconds) : 336
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128b57c d3a4\n', "Method        Method started:  line# 16 at location 'P
1-F1>  11:50:52 08/27/21\n", ' 443 41e2 6128b57c d3a4\n', "Method        ' inj# 1
11:50:52 08/27/21\n", ' 3bf 41e2 6128b57e     0\n', 'Method       Instrument running
a blank run                   11:50:54 08/27/21\n', '  70 1dac 6128b59a     0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                       11:51:22 08/27/21\n', '  70
1dac 6128b6c7     0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:56:23 08/27/21\n', '  70 1dae 6128b6c7     0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                   11:56:23 08/27/21\n', ' 3bf 41e2 6128b6ca     0\n', 'Metho
d        Instrument run completed                      11:56:26 08/27/21\n', ' 875 4
1e2 6128b6cb     0\n', 'Method        Saving Method SAA_411_Irino.M                    1
1:56:27 08/27/21\n', ' 875 41e2 6128b6cb     0\n', 'Method       Saving Method RUN.M
11:56:27 08/27/21\n', '  70 41e0 6128b6cb     0\n', 'CP Macro     Analyzing rawdata 2
10827_Irino2--016.D         11:56:27 08/27/21\n', ' 875 41e2 6128b6cb     0\n', 'Meth
od        Saving Method DA.M                             11:56:27 08/27/21\n', '  70
41e0 6128b6cc     0\n', 'CP Macro      Report could not be created.
11:56:28 08/27/21\n', ' 3bf 41e2 6128b6cc     0\n', 'Method       Method completed
11:56:28 08/27/21\n']
Sample - 016-blank :
start date : 11:50:52 08/27/21
end date : 11:56:28 08/27/21
runtime : 336


Runtime this run(seconds) : 336
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6128b6cc 474c\n', "Method        Method started:  line# 17 at location 'P
1-F3>  11:56:28 08/27/21\n", ' 443 41e2 6128b6cc 474c\n', "Method        ' inj# 1
11:56:28 08/27/21\n", ' 3bf 41e2 6128b6ce     0\n', 'Method       Instrument running
sample from location P1-F3  11:56:30 08/27/21\n', '  70 1daf 6128b6eb     0\n', 'G131
5C     1 G1315C:DE63055907 - Run                       11:56:59 08/27/21\n', '  70
1dac 6128b817     0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
12:01:59 08/27/21\n', '  70 1dae 6128b817     0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                   12:01:59 08/27/21\n', '  70 1daa 6128b817     0\n', 'G1316
B     1 G1316B:DE60555985 - Postrun                      12:01:59 08/27/21\n', ' 3bf 4
1e2 6128b81a     0\n', 'Method        Instrument run completed                      1
2:02:02 08/27/21\n', ' 875 41e2 6128b81b     0\n', 'Method       Saving Method SAA_41
1_Irino.M                 12:02:03 08/27/21\n', ' 875 41e2 6128b81b     0\n', 'Metho
d        Saving Method RUN.M                             12:02:03 08/27/21\n', '  70 4
1e0 6128b81b     0\n', 'CP Macro     Analyzing rawdata 210827_Irino2--017.D         1
2:02:03 08/27/21\n', ' 875 41e2 6128b81c     0\n', 'Method       Saving Method DA.M
```

```
12:02:04 08/27/21\n', '   70 41e0 6128b81c     0\n', 'CP Macro     Report could not be
created.                         12:02:04 08/27/21\n', ' 3bf 41e2 6128b81c     0\n', 'Metho
d       Method completed                              12:02:04 08/27/21\n']
```
Sample - 210827_Irino2--017 :
start date : 11:56:28 08/27/21
end date : 12:02:04 08/27/21
runtime : 336

Runtime this run(seconds) : 337
Times started(in event of fault) : 1
This files logs
```
[' 443 41e2 6128b81c d3a4\n', "Method       Method started:  line# 18 at location 'P
1-F1>  12:02:04 08/27/21\n", ' 443 41e2 6128b81c d3a4\n', "Method       ' inj# 1
12:02:04 08/27/21\n", ' 3bf 41e2 6128b81f     0\n', 'Method       Instrument running
a blank run                   12:02:07 08/27/21\n', '   70 1dac 6128b83b     0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                        12:02:35 08/27/21\n', '   70
1dac 6128b968    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
12:07:36 08/27/21\n', '   70 1daa 6128b968    0\n', 'G1316B     1 G1316B:DE60555985 -
Postrun                       12:07:36 08/27/21\n', ' 3bf 41e2 6128b96b    0\n', 'Metho
d       Instrument run completed                       12:07:39 08/27/21\n', ' 875 4
1e2 6128b96b    0\n', 'Method       Saving Method SAA_411_Irino.M               1
2:07:39 08/27/21\n', ' 875 41e2 6128b96c    0\n', 'Method       Saving Method RUN.M
12:07:40 08/27/21\n', '   70 41e0 6128b96c    0\n', 'CP Macro     Analyzing rawdata 2
10827_Irino2--018.D          12:07:40 08/27/21\n', ' 875 41e2 6128b96c    0\n', 'Meth
od       Saving Method DA.M                            12:07:40 08/27/21\n', '   70
41e0 6128b96c    0\n', 'CP Macro     Report could not be created.
12:07:40 08/27/21\n', ' 3bf 41e2 6128b96d    0\n', 'Method       Method completed
12:07:41 08/27/21\n']
```
Sample - 018-blank :
start date : 12:02:04 08/27/21
end date : 12:07:41 08/27/21
runtime : 337

Runtime this run(seconds) : 350
Times started(in event of fault) : 1
This files logs
```
[' 443 41e2 6128a1b4    0\n', "Method       Method started:  line# 1 at location 'P
1-F1'>  10:26:28 08/27/21\n", ' 443 41e2 6128a1b4    0\n', 'Method       inj# 1
10:26:28 08/27/21\n', ' 3bf 41e2 6128a1b4    0\n', 'Method       Instrument running
a blank run                  10:26:28 08/27/21\n', '   70 1dac 6128a1b5    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Pump on                   10:26:29 08/27/21\n', '   70
1dad 6128a1b6    0\n', 'G1312B     2 G1312B:DE63056112 - Pump on
10:26:30 08/27/21\n', '   70 1daf 6128a1e1    0\n', 'G1315C     1 G1315C:DE63055907 -
Run                       10:27:13 08/27/21\n', '   70 1dae 6128a30d    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                   10:32:13 08/27/21\n', '   70 1
dac 6128a30d    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun               1
0:32:13 08/27/21\n', '   70 1daa 6128a30d    0\n', 'G1316B     1 G1316B:DE60555985 -
Postrun                   10:32:13 08/27/21\n', ' 3bf 41e2 6128a310    0\n', 'Metho
d       Instrument run completed                   10:32:16 08/27/21\n', ' 875 4
1e2 6128a311    0\n', 'Method       Saving Method SAA_411_Irino.M               1
0:32:17 08/27/21\n', ' 875 41e2 6128a311    0\n', 'Method       Saving Method RUN.M
10:32:17 08/27/21\n', '   70 41e0 6128a311    0\n', 'CP Macro     Analyzing rawdata 2
10827_Irino2.D          10:32:17 08/27/21\n', ' 875 41e2 6128a312    0\n', 'Meth
od       Saving Method DA.M                            10:32:18 08/27/21\n', '   70
41e0 6128a312    0\n', 'CP Macro     Report could not be created.
10:32:18 08/27/21\n', ' 3bf 41e2 6128a312    0\n', 'Method       Method completed
```

```
                                                    10:32:18 08/27/21\n']
                                                    Sample - 001-blank :
                                                    start date : 10:26:28 08/27/21
                                                    end date : 10:32:18 08/27/21
                                                    runtime : 350

                                                    Runtime this run(seconds) : 280
                                                    Runtime this run(seconds) : 2
                                                    Times started(in event of fault) : 2
                                                    This files logs
                                                    [' 443 41e2 611e6349 474c\n', "Method       Method started:  line# 2 at location 'P
                                                    1-A1'>  15:57:29 08/19/21\n", ' 443 41e2 611e6349 474c\n', 'Method        inj# 2
                                                    15:57:29 08/19/21\n', ' 3bf 41e2 611e634b    0\n', 'Method       Instrument running
                                                    a blank run                 15:57:31 08/19/21\n', '  70 1daf 611e636b    0\n', 'G131
                                                    5C      1 G1315C:DE63055907 - Run                          15:58:03 08/19/21\n', '  70
                                                    1dac 611e645c    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
                                                    16:02:04 08/19/21\n', '  70 1dae 611e645c    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
                                                    Postrun                 16:02:04 08/19/21\n', ' 3bf 41e2 611e645f    0\n', 'Metho
                                                    d       Instrument run completed                        16:02:07 08/19/21\n', ' 875 4
                                                    1e2 611e6460    0\n', 'Method       Saving Method SAA_411_Pac.M                   1
                                                    6:02:08 08/19/21\n', ' 875 41e2 611e6460    0\n', 'Method       Saving Method RUN.M
                                                    16:02:08 08/19/21\n', '  70 41e0 611e6460    0\n', 'CP Macro     Analyzing rawdata 2
                                                    10819_Pac--002.D            16:02:08 08/19/21\n', ' 875 41e2 611e6461    0\n', 'Meth
                                                    od       Saving Method DA.M                          16:02:09 08/19/21\n', '  70
                                                    41e0 611e6461    0\n', 'CP Macro      Report could not be created.
                                                    16:02:09 08/19/21\n', ' 3bf 41e2 611e6461    0\n', 'Method       Method completed
                                                    16:02:09 08/19/21\n', ' 443 41e2 611f762d   50\n', "Method       Method started:  li
                                                    ne# 2 at location 'P1-A1'>  11:30:21 08/20/21\n", ' 443 41e2 611f762d   50\n', 'Meth
                                                    od        inj# 2                          11:30:21 08/20/21\n', '  70
                                                    41e0 611f762d    0\n', 'CP Macro      Analyzing rawdata 210819_Pac--002.D
                                                    11:30:21 08/20/21\n', ' 875 41e2 611f762e    0\n', 'Method       Saving Method DA.M
                                                    11:30:22 08/20/21\n', '  70 41e0 611f762e    0\n', 'CP Macro      Report could not be
                                                    created.                 11:30:22 08/20/21\n', ' 3bf 41e2 611f762f    0\n', 'Metho
                                                    d       Method completed                        11:30:23 08/20/21\n']
                                                    Sample - 002-blank :
                                                    start date : 11:30:21 08/20/21
                                                    end date : 11:30:23 08/20/21
                                                    runtime : 2

                                                    Runtime this run(seconds) : 279
                                                    Runtime this run(seconds) : 2
                                                    Times started(in event of fault) : 2
                                                    This files logs
                                                    [' 443 41e2 611e6461 474c\n', "Method       Method started:  line# 3 at location 'P
                                                    1-A1'>  16:02:09 08/19/21\n", ' 443 41e2 611e6461 474c\n', 'Method        inj# 3
                                                    16:02:09 08/19/21\n', ' 3bf 41e2 611e6463    0\n', 'Method       Instrument running
                                                    a blank run                 16:02:11 08/19/21\n', '  70 1daf 611e6483    0\n', 'G131
                                                    5C      1 G1315C:DE63055907 - Run                          16:02:43 08/19/21\n', '  70
                                                    1dac 611e6573    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
                                                    16:06:43 08/19/21\n', '  70 1dae 611e6573    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
                                                    Postrun                 16:06:43 08/19/21\n', ' 3bf 41e2 611e6576    0\n', 'Metho
                                                    d       Instrument run completed                        16:06:46 08/19/21\n', ' 875 4
                                                    1e2 611e6577    0\n', 'Method       Saving Method SAA_411_Pac.M                   1
                                                    6:06:47 08/19/21\n', ' 875 41e2 611e6577    0\n', 'Method       Saving Method RUN.M
                                                    16:06:47 08/19/21\n', '  70 41e0 611e6578    0\n', 'CP Macro     Analyzing rawdata 2
                                                    10819_Pac--003.D            16:06:48 08/19/21\n', ' 875 41e2 611e6578    0\n', 'Meth
```

```
od       Saving Method DA.M                                       16:06:48 08/19/21\n', '  70
41e0 611e6578    0\n', 'CP Macro      Report could not be created.
16:06:48 08/19/21\n', ' 3bf 41e2 611e6578    0\n', 'Method       Method completed
16:06:48 08/19/21\n', ' 443 41e2 611f762f    0\n', "Method       Method started:  li
ne# 3 at location 'P1-A1'>  11:30:23 08/20/21\n", ' 443 41e2 611f762f    0\n', 'Meth
od       inj# 3                                          11:30:23 08/20/21\n', '  70
41e0 611f762f    0\n', 'CP Macro     Analyzing rawdata 210819_Pac--003.D
11:30:23 08/20/21\n', ' 875 41e2 611f7630    0\n', 'Method      Saving Method DA.M
11:30:24 08/20/21\n', '  70 41e0 611f7631    0\n', 'CP Macro     Report could not be
created.                     11:30:25 08/20/21\n', ' 3bf 41e2 611f7631    0\n', 'Metho
d       Method completed                              11:30:25 08/20/21\n']
Sample - 003-blank :
start date : 11:30:23 08/20/21
end date : 11:30:25 08/20/21
runtime : 2

Runtime this run(seconds) : 280
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e6578 4700\n', "Method        Method started:  line# 4 at location 'P
1-A1'>  16:06:48 08/19/21\n", ' 443 41e2 611e6578 4700\n', 'Method       inj# 4
16:06:48 08/19/21\n', ' 3bf 41e2 611e657a    0\n', 'Method       Instrument running
a blank run                  16:06:50 08/19/21\n', '  70 1dac 611e659a    0\n', 'G711
0B      1 G7110B:DEAEH01167 - Run                        16:07:22 08/19/21\n', '  70
1dac 611e668b    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
16:11:23 08/19/21\n', '  70 1dae 611e668b    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                     16:11:23 08/19/21\n', ' 3bf 41e2 611e668e    0\n', 'Metho
d       Instrument run completed                       16:11:26 08/19/21\n', ' 875 4
1e2 611e668e    0\n', 'Method       Saving Method SAA_411_Pac.M                   1
6:11:26 08/19/21\n', ' 875 41e2 611e668f    0\n', 'Method       Saving Method RUN.M
16:11:27 08/19/21\n', '  70 41e0 611e668f    0\n', 'CP Macro     Analyzing rawdata 2
10819_Pac--004.D              16:11:27 08/19/21\n', ' 875 41e2 611e668f    0\n', 'Meth
od       Saving Method DA.M                             16:11:27 08/19/21\n', '  70
41e0 611e668f    0\n', 'CP Macro      Report could not be created.
16:11:27 08/19/21\n', ' 3bf 41e2 611e6690    0\n', 'Method       Method completed
16:11:28 08/19/21\n', ' 443 41e2 611f7631   50\n', "Method       Method started:  li
ne# 4 at location 'P1-A1'>  11:30:25 08/20/21\n", ' 443 41e2 611f7631   50\n', 'Meth
od       inj# 4                                         11:30:25 08/20/21\n', '  70
41e0 611f7631    0\n', 'CP Macro     Analyzing rawdata 210819_Pac--004.D
11:30:25 08/20/21\n', ' 875 41e2 611f7632    0\n', 'Method       Saving Method DA.M
11:30:26 08/20/21\n', '  70 41e0 611f7633    0\n', 'CP Macro      Report could not be
created.                    11:30:27 08/20/21\n', ' 3bf 41e2 611f7633    0\n', 'Metho
d       Method completed                              11:30:27 08/20/21\n']
Sample - 004-blank :
start date : 11:30:25 08/20/21
end date : 11:30:27 08/20/21
runtime : 2

Runtime this run(seconds) : 278
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e6690 474c\n', "Method        Method started:  line# 5 at location 'P
1-A2'>  16:11:28 08/19/21\n", ' 443 41e2 611e6690 474c\n', 'Method       inj# 1
16:11:28 08/19/21\n', ' 3bf 41e2 611e6691    0\n', 'Method       Instrument running
```

```
                    sample from location P1-A2  16:11:29 08/19/21\n', '  70 1daf 611e66b1    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                              16:12:01 08/19/21\n', '  70
1dac 611e67a2    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
16:16:02 08/19/21\n', ' 3bf 41e2 611e67a4    0\n', 'Method         Instrument run comp
leted                            16:16:04 08/19/21\n', ' 875 41e2 611e67a5    0\n', 'Meth
od        Saving Method SAA_411_Pac.M                   16:16:05 08/19/21\n', ' 875
41e2 611e67a5    0\n', 'Method        Saving Method RUN.M
16:16:05 08/19/21\n', '  70 41e0 611e67a6    0\n', 'CP Macro      Analyzing rawdata 2
10819_Pac--005.D            16:16:06 08/19/21\n', ' 875 41e2 611e67a6    0\n', 'Meth
od        Saving Method DA.M                            16:16:06 08/19/21\n', '  70
41e0 611e67a6    0\n', 'CP Macro      Report could not be created.
16:16:06 08/19/21\n', ' 3bf 41e2 611e67a6    0\n', 'Method        Method completed
16:16:06 08/19/21\n', ' 443 41e2 611f7633 d000\n', "Method        Method started:  li
ne# 5 at location 'P1-A2'>  11:30:27 08/20/21\n", ' 443 41e2 611f7633 d000\n', 'Meth
od        inj# 1                            11:30:27 08/20/21\n', '  70
41e0 611f7633    0\n', 'CP Macro      Analyzing rawdata 210819_Pac--005.D
11:30:27 08/20/21\n', ' 875 41e2 611f7634    0\n', 'Method        Saving Method DA.M
11:30:28 08/20/21\n', '  70 41e0 611f7635    0\n', 'CP Macro      Report could not be
created.                  11:30:29 08/20/21\n', ' 3bf 41e2 611f7635    0\n', 'Metho
d        Method completed                            11:30:29 08/20/21\n']
Sample - 210819_Pac--005 :
start date : 11:30:27 08/20/21
end date : 11:30:29 08/20/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e67a6 d3a4\n', "Method        Method started:  line# 6 at location 'P
1-A1'>  16:16:06 08/19/21\n", ' 443 41e2 611e67a6 d3a4\n', 'Method        inj# 1
16:16:06 08/19/21\n', ' 3bf 41e2 611e67a8    0\n', 'Method        Instrument running
a blank run                  16:16:08 08/19/21\n', '  70 1daf 611e67c8    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                              16:16:40 08/19/21\n', '  70
1dac 611e68b8    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
16:20:40 08/19/21\n', '  70 1dae 611e68b8    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                   16:20:40 08/19/21\n', ' 3bf 41e2 611e68bb    0\n', 'Metho
d        Instrument run completed                       16:20:43 08/19/21\n', ' 875 4
1e2 611e68bc    0\n', 'Method        Saving Method SAA_411_Pac.M                   1
6:20:44 08/19/21\n', ' 875 41e2 611e68bc    0\n', 'Method        Saving Method RUN.M
16:20:44 08/19/21\n', '  70 41e0 611e68bc    0\n', 'CP Macro      Analyzing rawdata 2
10819_Pac--006.D            16:20:44 08/19/21\n', ' 875 41e2 611e68bd    0\n', 'Meth
od        Saving Method DA.M                            16:20:45 08/19/21\n', '  70
41e0 611e68bd    0\n', 'CP Macro      Report could not be created.
16:20:45 08/19/21\n', ' 3bf 41e2 611e68bd    0\n', 'Method        Method completed
16:20:45 08/19/21\n', ' 443 41e2 611f7635   50\n', "Method        Method started:  li
ne# 6 at location 'P1-A1'>  11:30:29 08/20/21\n", ' 443 41e2 611f7635   50\n', 'Meth
od        inj# 1                            11:30:29 08/20/21\n', '  70
41e0 611f7635    0\n', 'CP Macro      Analyzing rawdata 210819_Pac--006.D
11:30:29 08/20/21\n', ' 875 41e2 611f7636    0\n', 'Method        Saving Method DA.M
11:30:30 08/20/21\n', '  70 41e0 611f7637    0\n', 'CP Macro      Report could not be
created.                  11:30:31 08/20/21\n', ' 3bf 41e2 611f7637    0\n', 'Metho
d        Method completed                            11:30:31 08/20/21\n']
Sample - 006-blank :
start date : 11:30:29 08/20/21
end date : 11:30:31 08/20/21
```

```
              runtime : 2

              Runtime this run(seconds) : 279
              Runtime this run(seconds) : 2
              Times started(in event of fault) : 2
              This files logs
              [' 443 41e2 611e68bd 4700\n', "Method      Method started:  line# 7 at location 'P
              1-B1'>  16:20:45 08/19/21\n", ' 443 41e2 611e68bd 4700\n', 'Method      inj# 1
              16:20:45 08/19/21\n', ' 3bf 41e2 611e68bf    0\n', 'Method      Instrument running
              sample from location P1-B1  16:20:47 08/19/21\n', '  70 1daf 611e68df    0\n', 'G131
              5C    1 G1315C:DE63055907 - Run                    16:21:19 08/19/21\n', '  70
              1dac 611e69cf    0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun
              16:25:19 08/19/21\n', '  70 1dae 611e69cf    0\n', 'G7116B    2 G7116B:DEBAZ03738 -
              Postrun                    16:25:19 08/19/21\n', ' 3bf 41e2 611e69d2    0\n', 'Metho
              d      Instrument run completed                    16:25:22 08/19/21\n', ' 875 4
              1e2 611e69d3    0\n', 'Method      Saving Method SAA_411_Pac.M                 1
              6:25:23 08/19/21\n', ' 875 41e2 611e69d3    0\n', 'Method      Saving Method RUN.M
              16:25:23 08/19/21\n', '  70 41e0 611e69d3    0\n', 'CP Macro    Analyzing rawdata 2
              10819_Pac--007.D            16:25:23 08/19/21\n', ' 875 41e2 611e69d3    0\n', 'Meth
              od      Saving Method DA.M                    16:25:23 08/19/21\n', '  70
              41e0 611e69d4    0\n', 'CP Macro    Report could not be created.
              16:25:24 08/19/21\n', ' 3bf 41e2 611e69d4    0\n', 'Method      Method completed
              16:25:24 08/19/21\n', ' 443 41e2 611f7637    4\n', "Method      Method started:  li
              ne# 7 at location 'P1-B1'>  11:30:31 08/20/21\n", ' 443 41e2 611f7637    4\n', 'Meth
              od      inj# 1                    11:30:31 08/20/21\n', '  70
              41e0 611f7637    0\n', 'CP Macro    Analyzing rawdata 210819_Pac--007.D
              11:30:31 08/20/21\n', ' 875 41e2 611f7638    0\n', 'Method      Saving Method DA.M
              11:30:32 08/20/21\n', '  70 41e0 611f7639    0\n', 'CP Macro    Report could not be
              created.                11:30:33 08/20/21\n', ' 3bf 41e2 611f7639    0\n', 'Metho
              d      Method completed                    11:30:33 08/20/21\n']
              Sample - 210819_Pac--007 :
              start date : 11:30:31 08/20/21
              end date : 11:30:33 08/20/21
              runtime : 2

              Runtime this run(seconds) : 279
              Runtime this run(seconds) : 2
              Times started(in event of fault) : 2
              This files logs
              [' 443 41e2 611e69d4 474c\n', "Method      Method started:  line# 8 at location 'P
              1-A1'>  16:25:24 08/19/21\n", ' 443 41e2 611e69d4 474c\n', 'Method      inj# 1
              16:25:24 08/19/21\n', ' 3bf 41e2 611e69d6    0\n', 'Method      Instrument running
              a blank run                16:25:26 08/19/21\n', '  70 1dac 611e69f6    0\n', 'G711
              0B    1 G7110B:DEAEH01167 - Run                    16:25:58 08/19/21\n', '  70
              1dac 611e6ae6    0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun
              16:29:58 08/19/21\n', ' 3bf 41e2 611e6ae9    0\n', 'Method      Instrument run comp
              leted                    16:30:01 08/19/21\n', ' 875 41e2 611e6aea    0\n', 'Meth
              od      Saving Method SAA_411_Pac.M                    16:30:02 08/19/21\n', ' 875
              41e2 611e6aea    0\n', 'Method      Saving Method RUN.M
              16:30:02 08/19/21\n', '  70 41e0 611e6aea    0\n', 'CP Macro    Analyzing rawdata 2
              10819_Pac--008.D            16:30:02 08/19/21\n', ' 875 41e2 611e6aeb    0\n', 'Meth
              od      Saving Method DA.M                    16:30:03 08/19/21\n', '  70
              41e0 611e6aeb    0\n', 'CP Macro    Report could not be created.
              16:30:03 08/19/21\n', ' 3bf 41e2 611e6aeb    0\n', 'Method      Method completed
              16:30:03 08/19/21\n', ' 443 41e2 611f7639    0\n', "Method      Method started:  li
              ne# 8 at location 'P1-A1'>  11:30:33 08/20/21\n", ' 443 41e2 611f7639    0\n', 'Meth
```

```
od        inj# 1                                              11:30:33 08/20/21\n', '  70
41e0 611f763a    0\n', 'CP Macro      Analyzing rawdata 210819_Pac--008.D
11:30:34 08/20/21\n', ' 875 41e2 611f763a    0\n', 'Method        Saving Method DA.M
11:30:34 08/20/21\n', '  70 41e0 611f763b    0\n', 'CP Macro      Report could not be
created.                          11:30:35 08/20/21\n', ' 3bf 41e2 611f763b    0\n', 'Metho
d        Method completed                              11:30:35 08/20/21\n']
Sample - 008-blank :
start date : 11:30:33 08/20/21
end date : 11:30:35 08/20/21
runtime : 2


Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e6aeb    0\n', "Method        Method started:  line# 9 at location 'P
1-B2'>  16:30:03 08/19/21\n", ' 443 41e2 611e6aeb    0\n', 'Method        inj# 1
16:30:03 08/19/21\n', ' 3bf 41e2 611e6aed    0\n', 'Method        Instrument running
sample from location P1-B2  16:30:05 08/19/21\n', '  70 1daf 611e6b0d    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                              16:30:37 08/19/21\n', '  70
1dac 611e6bfd    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
16:34:37 08/19/21\n', '  70 1dae 611e6bfd    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                          16:34:37 08/19/21\n', ' 3bf 41e2 611e6c00    0\n', 'Metho
d        Instrument run completed                          16:34:40 08/19/21\n', ' 875 4
1e2 611e6c01    0\n', 'Method        Saving Method SAA_411_Pac.M                          1
6:34:41 08/19/21\n', ' 875 41e2 611e6c01    0\n', 'Method        Saving Method RUN.M
16:34:41 08/19/21\n', '  70 41e0 611e6c02    0\n', 'CP Macro      Analyzing rawdata 2
10819_Pac--009.D                16:34:42 08/19/21\n', ' 875 41e2 611e6c02    0\n', 'Meth
od        Saving Method DA.M                              16:34:42 08/19/21\n', '  70
41e0 611e6c02    0\n', 'CP Macro      Report could not be created.
16:34:42 08/19/21\n', ' 3bf 41e2 611e6c02    0\n', 'Method        Method completed
16:34:42 08/19/21\n', ' 443 41e2 611f763b d000\n', "Method        Method started:  li
ne# 9 at location 'P1-B2'>  11:30:35 08/20/21\n", ' 443 41e2 611f763b d000\n', 'Meth
od        inj# 1                                              11:30:35 08/20/21\n', '  70
41e0 611f763c    0\n', 'CP Macro      Analyzing rawdata 210819_Pac--009.D
11:30:36 08/20/21\n', ' 875 41e2 611f763c    0\n', 'Method        Saving Method DA.M
11:30:36 08/20/21\n', '  70 41e0 611f763d    0\n', 'CP Macro      Report could not be
created.                      11:30:37 08/20/21\n', ' 3bf 41e2 611f763d    0\n', 'Metho
d        Method completed                              11:30:37 08/20/21\n']
Sample - 210819_Pac--009 :
start date : 11:30:35 08/20/21
end date : 11:30:37 08/20/21
runtime : 2


Runtime this run(seconds) : 280
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e6c02 474c\n', "Method        Method started:  line# 10 at location 'P
1-B3>  16:34:42 08/19/21\n", ' 443 41e2 611e6c02 474c\n', "Method        ' inj# 1
16:34:42 08/19/21\n", ' 3bf 41e2 611e6c04    0\n', 'Method        Instrument running
sample from location P1-B3  16:34:44 08/19/21\n', '  70 1dac 611e6c24    0\n', 'G711
0B      1 G7110B:DEAEH01167 - Run                              16:35:16 08/19/21\n', '  70
1dac 611e6d15    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
16:39:17 08/19/21\n', '  70 1dae 611e6d15    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                          16:39:17 08/19/21\n', ' 3bf 41e2 611e6d18    0\n', 'Metho
```

```
d        Instrument run completed                              16:39:20 08/19/21\n', ' 875 4
1e2 611e6d18     0\n', 'Method        Saving Method SAA_411_Pac.M                      1
6:39:20 08/19/21\n', ' 875 41e2 611e6d19     0\n', 'Method        Saving Method RUN.M
16:39:21 08/19/21\n', '  70 41e0 611e6d19     0\n', 'CP Macro      Analyzing rawdata 2
10819_Pac--010.D              16:39:21 08/19/21\n', ' 875 41e2 611e6d19     0\n', 'Meth
od        Saving Method DA.M                               16:39:21 08/19/21\n', '  70
41e0 611e6d19     0\n', 'CP Macro       Report could not be created.
16:39:21 08/19/21\n', ' 3bf 41e2 611e6d1a     0\n', 'Method        Method completed
16:39:22 08/19/21\n', ' 443 41e2 611f763d    50\n', "Method        Method started:  li
ne# 10 at location 'P1-B3>  11:30:37 08/20/21\n", ' 443 41e2 611f763d    50\n', "Meth
od        ' inj# 1                               11:30:37 08/20/21\n", '  70
41e0 611f763e     0\n', 'CP Macro      Analyzing rawdata 210819_Pac--010.D
11:30:38 08/20/21\n', ' 875 41e2 611f763e     0\n', 'Method        Saving Method DA.M
11:30:38 08/20/21\n', '  70 41e0 611f763f     0\n', 'CP Macro       Report could not be
created.                   11:30:39 08/20/21\n', ' 3bf 41e2 611f763f     0\n', 'Metho
d        Method completed                               11:30:39 08/20/21\n']
Sample - 210819_Pac--010 :
start date : 11:30:37 08/20/21
end date : 11:30:39 08/20/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e6d1a d3a4\n', "Method        Method started:  line# 11 at location 'P
1-B4>  16:39:22 08/19/21\n", ' 443 41e2 611e6d1a d3a4\n', "Method        ' inj# 1
16:39:22 08/19/21\n", ' 3bf 41e2 611e6d1b     0\n', 'Method        Instrument running
sample from location P1-B4  16:39:23 08/19/21\n', '  70 1daf 611e6d3c     0\n', 'G131
5C       1 G1315C:DE63055907 - Run                             16:39:56 08/19/21\n', '  70
1dac 611e6e2c     0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
16:43:56 08/19/21\n', '  70 1dae 611e6e2c     0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                    16:43:56 08/19/21\n', ' 3bf 41e2 611e6e2f     0\n', 'Metho
d        Instrument run completed                              16:43:59 08/19/21\n', ' 875 4
1e2 611e6e30     0\n', 'Method        Saving Method SAA_411_Pac.M                      1
6:44:00 08/19/21\n', ' 875 41e2 611e6e30     0\n', 'Method        Saving Method RUN.M
16:44:00 08/19/21\n', '  70 41e0 611e6e30     0\n', 'CP Macro      Analyzing rawdata 2
10819_Pac--011.D            16:44:00 08/19/21\n', ' 875 41e2 611e6e30     0\n', 'Meth
od        Saving Method DA.M                               16:44:00 08/19/21\n', '  70
41e0 611e6e31     0\n', 'CP Macro       Report could not be created.
16:44:01 08/19/21\n', ' 3bf 41e2 611e6e31     0\n', 'Method        Method completed
16:44:01 08/19/21\n', ' 443 41e2 611f763f     0\n', "Method        Method started:  li
ne# 11 at location 'P1-B4>  11:30:39 08/20/21\n", ' 443 41e2 611f763f     0\n', "Meth
od        ' inj# 1                               11:30:39 08/20/21\n", '  70
41e0 611f7640     0\n', 'CP Macro      Analyzing rawdata 210819_Pac--011.D
11:30:40 08/20/21\n', ' 875 41e2 611f7640     0\n', 'Method        Saving Method DA.M
11:30:40 08/20/21\n', '  70 41e0 611f7641     0\n', 'CP Macro       Report could not be
created.                   11:30:41 08/20/21\n', ' 3bf 41e2 611f7641     0\n', 'Metho
d        Method completed                               11:30:41 08/20/21\n']
Sample - 210819_Pac--011 :
start date : 11:30:39 08/20/21
end date : 11:30:41 08/20/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
```

```
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e6e31 474c\n', "Method       Method started:  line# 12 at location 'P
1-B5>  16:44:01 08/19/21\n", ' 443 41e2 611e6e31 474c\n', "Method        ' inj# 1
16:44:01 08/19/21\n", ' 3bf 41e2 611e6e33   0\n', 'Method       Instrument running
sample from location P1-B5  16:44:03 08/19/21\n', '  70 1dac 611e6e53   0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                      16:44:35 08/19/21\n', '  70
1dac 611e6f43   0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
16:48:35 08/19/21\n', '  70 1dae 611e6f43   0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                      16:48:35 08/19/21\n', ' 3bf 41e2 611e6f46   0\n', 'Metho
d       Instrument run completed                      16:48:38 08/19/21\n', ' 875 4
1e2 611e6f47   0\n', 'Method       Saving Method SAA_411_Pac.M                 1
6:48:39 08/19/21\n', ' 875 41e2 611e6f47   0\n', 'Method       Saving Method RUN.M
16:48:39 08/19/21\n', '  70 41e0 611e6f47   0\n', 'CP Macro     Analyzing rawdata 2
10819_Pac--012.D            16:48:39 08/19/21\n', ' 875 41e2 611e6f47   0\n', 'Meth
od       Saving Method DA.M                      16:48:39 08/19/21\n', '  70
41e0 611e6f48   0\n', 'CP Macro     Report could not be created.
16:48:40 08/19/21\n', ' 3bf 41e2 611e6f48   0\n', 'Method       Method completed
16:48:40 08/19/21\n', ' 443 41e2 611f7641   0\n', "Method       Method started:  li
ne# 12 at location 'P1-B5>  11:30:41 08/20/21\n", ' 443 41e2 611f7641   0\n', "Meth
od       ' inj# 1                      11:30:41 08/20/21\n", '  70
41e0 611f7642   0\n', 'CP Macro     Analyzing rawdata 210819_Pac--012.D
11:30:42 08/20/21\n', ' 875 41e2 611f7642   0\n', 'Method       Saving Method DA.M
11:30:42 08/20/21\n', '  70 41e0 611f7643   0\n', 'CP Macro     Report could not be
created.                 11:30:43 08/20/21\n', ' 3bf 41e2 611f7643   0\n', 'Metho
d       Method completed                      11:30:43 08/20/21\n']
Sample - 210819_Pac--012 :
start date : 11:30:41 08/20/21
end date : 11:30:43 08/20/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e6f48 d3a4\n', "Method       Method started:  line# 13 at location 'P
1-B6>  16:48:40 08/19/21\n", ' 443 41e2 611e6f48 d3a4\n', "Method        ' inj# 1
16:48:40 08/19/21\n", ' 3bf 41e2 611e6f4a   0\n', 'Method       Instrument running
sample from location P1-B6  16:48:42 08/19/21\n', '  70 1dac 611e6f6a   0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                      16:49:14 08/19/21\n', '  70
1dac 611e705a   0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
16:53:14 08/19/21\n', '  70 1dae 611e705a   0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                      16:53:14 08/19/21\n', ' 3bf 41e2 611e705d   0\n', 'Metho
d       Instrument run completed                      16:53:17 08/19/21\n', ' 875 4
1e2 611e705e   0\n', 'Method       Saving Method SAA_411_Pac.M                 1
6:53:18 08/19/21\n', ' 875 41e2 611e705e   0\n', 'Method       Saving Method RUN.M
16:53:18 08/19/21\n', '  70 41e0 611e705e   0\n', 'CP Macro     Analyzing rawdata 2
10819_Pac--013.D            16:53:18 08/19/21\n', ' 875 41e2 611e705f   0\n', 'Meth
od       Saving Method DA.M                      16:53:19 08/19/21\n', '  70
41e0 611e705f   0\n', 'CP Macro     Report could not be created.
16:53:19 08/19/21\n', ' 3bf 41e2 611e705f   0\n', 'Method       Method completed
16:53:19 08/19/21\n', ' 443 41e2 611f7643   50\n', "Method       Method started:  li
ne# 13 at location 'P1-B6>  11:30:43 08/20/21\n", ' 443 41e2 611f7643   50\n', "Meth
od       ' inj# 1                      11:30:43 08/20/21\n", '  70
41e0 611f7644   0\n', 'CP Macro     Analyzing rawdata 210819_Pac--013.D
11:30:44 08/20/21\n', ' 875 41e2 611f7644   0\n', 'Method       Saving Method DA.M
```

```
11:30:44 08/20/21\n', '  70 41e0 611f7645    0\n', 'CP Macro     Report could not be
created.                     11:30:45 08/20/21\n', ' 3bf 41e2 611f7645    0\n', 'Metho
d        Method completed                             11:30:45 08/20/21\n']
```
Sample - 210819_Pac--013 :
start date : 11:30:43 08/20/21
end date : 11:30:45 08/20/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
```
[' 443 41e2 611e7060 474c\n', "Method        Method started:  line# 14 at location 'P
1-B7>  16:53:20 08/19/21\n", ' 443 41e2 611e7060 474c\n', "Method        ' inj# 1
16:53:20 08/19/21\n", ' 3bf 41e2 611e7061    0\n', 'Method        Instrument running
sample from location P1-B7  16:53:21 08/19/21\n', '  70 1daf 611e7082    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                         16:53:54 08/19/21\n', '  70
1dac 611e7172    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
16:57:54 08/19/21\n', '  70 1dae 611e7172    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                      16:57:54 08/19/21\n', ' 3bf 41e2 611e7175    0\n', 'Metho
d        Instrument run completed                    16:57:57 08/19/21\n', ' 875 4
1e2 611e7176    0\n', 'Method        Saving Method SAA_411_Pac.M                 1
6:57:58 08/19/21\n', ' 875 41e2 611e7176    0\n', 'Method        Saving Method RUN.M
16:57:58 08/19/21\n', '  70 41e0 611e7176    0\n', 'CP Macro     Analyzing rawdata 2
10819_Pac--014.D          16:57:58 08/19/21\n', ' 875 41e2 611e7177    0\n', 'Meth
od        Saving Method DA.M                         16:57:59 08/19/21\n', '  70
41e0 611e7177    0\n', 'CP Macro     Report could not be created.
16:57:59 08/19/21\n', ' 3bf 41e2 611e7177    0\n', 'Method        Method completed
16:57:59 08/19/21\n', ' 443 41e2 611f7645 dd0c\n', "Method        Method started:  li
ne# 14 at location 'P1-B7>  11:30:45 08/20/21\n", ' 443 41e2 611f7645 dd0c\n', "Meth
od        ' inj# 1                             11:30:45 08/20/21\n", '  70
41e0 611f7646    0\n', 'CP Macro     Analyzing rawdata 210819_Pac--014.D
11:30:46 08/20/21\n', ' 875 41e2 611f7646    0\n', 'Method        Saving Method DA.M
11:30:46 08/20/21\n', '  70 41e0 611f7647    0\n', 'CP Macro     Report could not be
created.                     11:30:47 08/20/21\n', ' 3bf 41e2 611f7647    0\n', 'Metho
d        Method completed                             11:30:47 08/20/21\n']
```
Sample - 210819_Pac--014 :
start date : 11:30:45 08/20/21
end date : 11:30:47 08/20/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
```
[' 443 41e2 611e7177 474c\n', "Method        Method started:  line# 15 at location 'P
1-A1>  16:57:59 08/19/21\n", ' 443 41e2 611e7177 474c\n', "Method        ' inj# 1
16:57:59 08/19/21\n", ' 3bf 41e2 611e7179    0\n', 'Method        Instrument running
a blank run                  16:58:01 08/19/21\n', '  70 1dac 611e7199    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                         16:58:33 08/19/21\n', '  70
1dac 611e7289    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
17:02:33 08/19/21\n', '  70 1dae 611e7289    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                      17:02:33 08/19/21\n', ' 3bf 41e2 611e728c    0\n', 'Metho
d        Instrument run completed                    17:02:36 08/19/21\n', ' 875 4
1e2 611e728d    0\n', 'Method        Saving Method SAA_411_Pac.M                 1
7:02:37 08/19/21\n', ' 875 41e2 611e728d    0\n', 'Method        Saving Method RUN.M
```

```
17:02:37 08/19/21\n', '  70 41e0 611e728e    0\n', 'CP Macro     Analyzing rawdata 2
10819_Pac--015.D              17:02:38 08/19/21\n', ' 875 41e2 611e728e    0\n', 'Meth
od       Saving Method DA.M                            17:02:38 08/19/21\n', '  70
41e0 611e728e   0\n', 'CP Macro     Report could not be created.
17:02:38 08/19/21\n', ' 3bf 41e2 611e728e    0\n', 'Method      Method completed
17:02:38 08/19/21\n', ' 443 41e2 611f7647    0\n', "Method      Method started:  li
ne# 15 at location 'P1-A1>  11:30:47 08/20/21\n", ' 443 41e2 611f7647    0\n', "Meth
od       ' inj# 1                              11:30:47 08/20/21\n", '  70
41e0 611f7648    0\n', 'CP Macro     Analyzing rawdata 210819_Pac--015.D
11:30:48 08/20/21\n', ' 875 41e2 611f7648    0\n', 'Method      Saving Method DA.M
11:30:48 08/20/21\n', '  70 41e0 611f7649    0\n', 'CP Macro     Report could not be
created.                  11:30:49 08/20/21\n', ' 3bf 41e2 611f7649    0\n', 'Metho
d       Method completed                            11:30:49 08/20/21\n']
Sample - 015-blank :
start date : 11:30:47 08/20/21
end date : 11:30:49 08/20/21
runtime : 2


Runtime this run(seconds) : 280
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e728e 474c\n', "Method      Method started:  line# 16 at location 'P
1-B1>  17:02:38 08/19/21\n", ' 443 41e2 611e728e 474c\n', "Method       ' inj# 1
17:02:38 08/19/21\n", ' 3bf 41e2 611e7290    0\n', 'Method      Instrument running
sample from location P1-B1  17:02:40 08/19/21\n', '  70 1daf 611e72b0    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                      17:03:12 08/19/21\n', '  70
1dac 611e73a0    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
17:07:12 08/19/21\n', '  70 1dae 611e73a0    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                   17:07:12 08/19/21\n', ' 3bf 41e2 611e73a3    0\n', 'Metho
d       Instrument run completed                    17:07:15 08/19/21\n', ' 875 4
1e2 611e73a4    0\n', 'Method      Saving Method SAA_411_Pac.M                    1
7:07:16 08/19/21\n', ' 875 41e2 611e73a5    0\n', 'Method      Saving Method RUN.M
17:07:17 08/19/21\n', '  70 41e0 611e73a5    0\n', 'CP Macro     Analyzing rawdata 2
10819_Pac--016.D              17:07:17 08/19/21\n', ' 875 41e2 611e73a5    0\n', 'Meth
od       Saving Method DA.M                            17:07:17 08/19/21\n', '  70
41e0 611e73a6    0\n', 'CP Macro     Report could not be created.
17:07:18 08/19/21\n', ' 3bf 41e2 611e73a6    0\n', 'Method      Method completed
17:07:18 08/19/21\n', ' 443 41e2 611f7649 d000\n', "Method      Method started:  li
ne# 16 at location 'P1-B1>  11:30:49 08/20/21\n", ' 443 41e2 611f7649 d000\n', "Meth
od       ' inj# 1                              11:30:49 08/20/21\n", '  70
41e0 611f764a    0\n', 'CP Macro     Analyzing rawdata 210819_Pac--016.D
11:30:50 08/20/21\n', ' 875 41e2 611f764a    0\n', 'Method      Saving Method DA.M
11:30:50 08/20/21\n', '  70 41e0 611f764b    0\n', 'CP Macro     Report could not be
created.                  11:30:51 08/20/21\n', ' 3bf 41e2 611f764b    0\n', 'Metho
d       Method completed                            11:30:51 08/20/21\n']
Sample - 210819_Pac--016 :
start date : 11:30:49 08/20/21
end date : 11:30:51 08/20/21
runtime : 2


Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e73a6 474c\n', "Method      Method started:  line# 17 at location 'P
```

1-A1> 17:07:18 08/19/21\n", ' 443 41e2 611e73a6 474c\n', "Method   ' inj# 1
17:07:18 08/19/21\n", ' 3bf 41e2 611e73a7   0\n', 'Method   Instrument running
a blank run   17:07:19 08/19/21\n', ' 70 1daf 611e73c8   0\n', 'G131
5C   1 G1315C:DE63055907 - Run   17:07:52 08/19/21\n', ' 70
1dac 611e74b8   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun
17:11:52 08/19/21\n', ' 70 1dae 611e74b8   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   17:11:52 08/19/21\n', ' 3bf 41e2 611e74bb   0\n', 'Metho
d   Instrument run completed   17:11:55 08/19/21\n', ' 875 4
1e2 611e74bc   0\n', 'Method   Saving Method SAA_411_Pac.M   1
7:11:56 08/19/21\n', ' 875 41e2 611e74bc   0\n', 'Method   Saving Method RUN.M
17:11:56 08/19/21\n', ' 70 41e0 611e74bc   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--017.D   17:11:56 08/19/21\n', ' 875 41e2 611e74bc   0\n', 'Meth
od   Saving Method DA.M   17:11:56 08/19/21\n', ' 70
41e0 611e74bd   0\n', 'CP Macro   Report could not be created.
17:11:57 08/19/21\n', ' 3bf 41e2 611e74bd   0\n', 'Method   Method completed
17:11:57 08/19/21\n', ' 443 41e2 611f764b   0\n', "Method   Method started: li
ne# 17 at location 'P1-A1> 11:30:51 08/20/21\n", ' 443 41e2 611f764b   0\n', "Meth
od   ' inj# 1   11:30:51 08/20/21\n", ' 70
41e0 611f764c   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--017.D
11:30:52 08/20/21\n', ' 875 41e2 611f764c   0\n', 'Method   Saving Method DA.M
11:30:52 08/20/21\n', ' 70 41e0 611f764d   0\n', 'CP Macro   Report could not be
created.   11:30:53 08/20/21\n', ' 3bf 41e2 611f764d   0\n', 'Metho
d   Method completed   11:30:53 08/20/21\n']
Sample - 017-blank :
start date : 11:30:51 08/20/21
end date : 11:30:53 08/20/21
runtime : 2

Runtime this run(seconds) : 395
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611e61be   17\n', "Method   Method started: line# 1 at location 'P
1-A1'> 15:50:54 08/19/21\n", ' 443 41e2 611e61be   17\n', 'Method   inj# 1
15:50:54 08/19/21\n', ' 3bf 41e2 611e61bf   0\n', 'Method   Instrument running
a blank run   15:50:55 08/19/21\n', ' 70 1dac 611e61bf   0\n', 'G711
0B   1 G7110B:DEAEH01167 - Pump on   15:50:55 08/19/21\n', ' 70
1dad 611e61c1   0\n', 'G1312B   2 G1312B:DE63056112 - Pump on
15:50:57 08/19/21\n', ' 70 1daf 611e61c8   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Idle   15:51:04 08/19/21\n', ' 70 1daf 611e6254   0\n', 'G1315
C   1 G1315C:DE63055907 - Run   15:53:24 08/19/21\n', ' 70 1
dae 611e6344   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
5:57:24 08/19/21\n', ' 70 1dac 611e6344   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   15:57:24 08/19/21\n', ' 3bf 41e2 611e6347   0\n', 'Metho
d   Instrument run completed   15:57:27 08/19/21\n', ' 875 4
1e2 611e6348   0\n', 'Method   Saving Method SAA_411_Pac.M   1
5:57:28 08/19/21\n', ' 875 41e2 611e6348   0\n', 'Method   Saving Method RUN.M
15:57:28 08/19/21\n', ' 70 41e0 611e6348   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac.D   15:57:28 08/19/21\n', ' 875 41e2 611e6348   0\n', 'Meth
od   Saving Method DA.M   15:57:28 08/19/21\n', ' 70
41e0 611e6349   0\n', 'CP Macro   Report could not be created.
15:57:29 08/19/21\n', ' 3bf 41e2 611e6349   0\n', 'Method   Method completed
15:57:29 08/19/21\n', ' 443 41e2 611f762b   0\n', "Method   Method started: li
ne# 1 at location 'P1-A1'> 11:30:19 08/20/21\n", ' 443 41e2 611f762b   0\n', 'Meth
od   inj# 1   11:30:19 08/20/21\n', ' 70
41e0 611f762b   0\n', 'CP Macro   Analyzing rawdata 210819_Pac.D

```
11:30:19 08/20/21\n', ' 875 41e2 611f762c      0\n', 'Method        Saving Method DA.M
11:30:20 08/20/21\n', '  70 41e0 611f762d      0\n', 'CP Macro      Report could not be
created.                   11:30:21 08/20/21\n', ' 3bf 41e2 611f762d      0\n', 'Metho
d        Method completed                              11:30:21 08/20/21\n']
Sample - 001-blank :
start date : 11:30:19 08/20/21
end date : 11:30:21 08/20/21
runtime : 2


Runtime this run(seconds) : 278
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611630cc d3a4\n', "Method        Method started:  line# 2 at location 'P
1-C1'>  10:43:56 08/13/21\n", ' 443 41e2 611630cc d3a4\n', 'Method        inj# 2
10:43:56 08/13/21\n', ' 3bf 41e2 611630ce      0\n', 'Method        Instrument running
a blank run                    10:43:58 08/13/21\n', '  70 1daf 611630ed    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                          10:44:29 08/13/21\n', '  70
1dae 611631de    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun
10:48:30 08/13/21\n', '  70 1dac 611631de    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                        10:48:30 08/13/21\n', ' 3bf 41e2 611631e0    0\n', 'Metho
d        Instrument run completed                         10:48:32 08/13/21\n', ' 875 4
1e2 611631e1    0\n', 'Method        Saving Method SAA_411_Pac.M                    1
0:48:33 08/13/21\n', ' 875 41e2 611631e2    0\n', 'Method        Saving Method RUN.M
10:48:34 08/13/21\n', '  70 41e0 611631e2    0\n', 'CP Macro      Analyzing rawdata 2
10813_Pac--002.D             10:48:34 08/13/21\n', ' 875 41e2 611631e2    0\n', 'Meth
od        Saving Method DA.M                              10:48:34 08/13/21\n', '  70
41e0 611631e2    0\n', 'CP Macro      Report could not be created.
10:48:34 08/13/21\n', ' 3bf 41e2 611631e2    0\n', 'Method        Method completed
10:48:34 08/13/21\n', ' 443 41e2 61164d70    50\n', "Method        Method started:  li
ne# 2 at location 'P1-C1'>  12:46:08 08/13/21\n", ' 443 41e2 61164d70    50\n', 'Meth
od        inj# 2                                          12:46:08 08/13/21\n', '  70
41e0 61164d71    0\n', 'CP Macro      Analyzing rawdata 210813_Pac--002.D
12:46:09 08/13/21\n', ' 875 41e2 61164d71    0\n', 'Method        Saving Method DA.M
12:46:09 08/13/21\n', '  70 41e0 61164d72    0\n', 'CP Macro      Report could not be
created.                   12:46:10 08/13/21\n', ' 3bf 41e2 61164d72    0\n', 'Metho
d        Method completed                              12:46:10 08/13/21\n']
Sample - 002-blank :
start date : 12:46:08 08/13/21
end date : 12:46:10 08/13/21
runtime : 2


Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611631e2 d3a4\n', "Method        Method started:  line# 3 at location 'P
1-C1'>  10:48:34 08/13/21\n", ' 443 41e2 611631e2 d3a4\n', 'Method        inj# 3
10:48:34 08/13/21\n', ' 3bf 41e2 611631e3    0\n', 'Method        Instrument running
a blank run                    10:48:35 08/13/21\n', '  70 1daf 61163204    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                          10:49:08 08/13/21\n', '  70
1dae 611632f4    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun
10:53:08 08/13/21\n', '  70 1dac 611632f5    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                        10:53:09 08/13/21\n', '  70 1daa 611632f5    0\n', 'G1316
B      1 G1316B:DE60555985 - Postrun                      10:53:09 08/13/21\n', ' 3bf 4
1e2 611632f7    0\n', 'Method        Instrument run completed                       1
```

```
0:53:11 08/13/21\n', ' 875 41e2 611632f8    0\n', 'Method       Saving Method SAA_41
1_Pac.M                      10:53:12 08/13/21\n', ' 875 41e2 611632f8    0\n', 'Metho
d       Saving Method RUN.M                             10:53:12 08/13/21\n', '  70 4
1e0 611632f9    0\n', 'CP Macro     Analyzing rawdata 210813_Pac--003.D          1
0:53:13 08/13/21\n', ' 875 41e2 611632f9    0\n', 'Method       Saving Method DA.M
10:53:13 08/13/21\n', '  70 41e0 611632f9    0\n', 'CP Macro     Report could not be
created.                     10:53:13 08/13/21\n', ' 3bf 41e2 611632f9    0\n', 'Metho
d       Method completed                             10:53:13 08/13/21\n', ' 443 4
1e2 61164d72    0\n', "Method       Method started:  line# 3 at location 'P1-C1'>  1
2:46:10 08/13/21\n", ' 443 41e2 61164d72    0\n', 'Method       inj# 3
12:46:10 08/13/21\n', '  70 41e0 61164d72    0\n', 'CP Macro     Analyzing rawdata 2
10813_Pac--003.D            12:46:10 08/13/21\n', ' 875 41e2 61164d73    0\n', 'Meth
od       Saving Method DA.M                             12:46:11 08/13/21\n', '  70
41e0 61164d73    0\n', 'CP Macro     Report could not be created.
12:46:11 08/13/21\n', ' 3bf 41e2 61164d74    0\n', 'Method       Method completed
12:46:12 08/13/21\n']
Sample - 003-blank :
start date : 12:46:10 08/13/21
end date : 12:46:12 08/13/21
runtime : 2


Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 611632f9 474c\n', "Method       Method started:  line# 4 at location 'P
1-C1'>  10:53:13 08/13/21\n", ' 443 41e2 611632f9 474c\n', 'Method       inj# 4
10:53:13 08/13/21\n', ' 3bf 41e2 611632fb    0\n', 'Method       Instrument running
a blank run                  10:53:15 08/13/21\n', '  70 1daf 6116331b    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                             10:53:47 08/13/21\n', '  70
1dac 6116340b    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
10:57:47 08/13/21\n', '  70 1dae 6116340b    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                     10:57:47 08/13/21\n', '  70 1daa 6116340b    0\n', 'G1316
B     1 G1316B:DE60555985 - Postrun                     10:57:47 08/13/21\n', ' 3bf 4
1e2 6116340e    0\n', 'Method       Instrument run completed                     1
0:57:50 08/13/21\n', ' 875 41e2 6116340f    0\n', 'Method       Saving Method SAA_41
1_Pac.M                      10:57:51 08/13/21\n', ' 875 41e2 6116340f    0\n', 'Metho
d       Saving Method RUN.M                             10:57:51 08/13/21\n', '  70 4
1e0 6116340f    0\n', 'CP Macro     Analyzing rawdata 210813_Pac--004.D          1
0:57:51 08/13/21\n', ' 875 41e2 6116340f    0\n', 'Method       Saving Method DA.M
10:57:51 08/13/21\n', '  70 41e0 61163410    0\n', 'CP Macro     Report could not be
created.                     10:57:52 08/13/21\n', ' 3bf 41e2 61163410    0\n', 'Metho
d       Method completed                             10:57:52 08/13/21\n', ' 443 4
1e2 61164d74 d000\n', "Method       Method started:  line# 4 at location 'P1-C1'>  1
2:46:12 08/13/21\n", ' 443 41e2 61164d74 d000\n', 'Method       inj# 4
12:46:12 08/13/21\n', '  70 41e0 61164d74    0\n', 'CP Macro     Analyzing rawdata 2
10813_Pac--004.D            12:46:12 08/13/21\n', ' 875 41e2 61164d75    0\n', 'Meth
od       Saving Method DA.M                             12:46:13 08/13/21\n', '  70
41e0 61164d75    0\n', 'CP Macro     Report could not be created.
12:46:13 08/13/21\n', ' 3bf 41e2 61164d76    0\n', 'Method       Method completed
12:46:14 08/13/21\n']
Sample - 004-blank :
start date : 12:46:12 08/13/21
end date : 12:46:14 08/13/21
runtime : 2
```

```
                Runtime this run(seconds) : 279
                Runtime this run(seconds) : 1
                Times started(in event of fault) : 2
                This files logs
                [' 443 41e2 61163410 4700\n', "Method        Method started:  line# 5 at location 'P
                1-C2'>  10:57:52 08/13/21\n", ' 443 41e2 61163410 4700\n', 'Method        inj# 1
                10:57:52 08/13/21\n', ' 3bf 41e2 61163412    0\n', 'Method        Instrument running
                sample from location P1-C2  10:57:54 08/13/21\n', '  70 1dac 61163432    0\n', 'G711
                0B      1 G7110B:DEAEH01167 - Run                    10:58:26 08/13/21\n', '  70
                1dac 61163523    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
                11:02:27 08/13/21\n', '  70 1dae 61163523    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
                Postrun                   11:02:27 08/13/21\n', ' 3bf 41e2 61163525    0\n', 'Metho
                d        Instrument run completed                11:02:29 08/13/21\n', ' 875 4
                1e2 61163526    0\n', 'Method        Saving Method SAA_411_Pac.M                  1
                1:02:30 08/13/21\n', ' 875 41e2 61163526    0\n', 'Method        Saving Method RUN.M
                11:02:30 08/13/21\n', '  70 41e0 61163526    0\n', 'CP Macro     Analyzing rawdata 2
                10813_Pac--005.D             11:02:30 08/13/21\n', ' 875 41e2 61163527    0\n', 'Meth
                od        Saving Method DA.M                       11:02:31 08/13/21\n', '  70
                41e0 61163527    0\n', 'CP Macro     Report could not be created.
                11:02:31 08/13/21\n', ' 3bf 41e2 61163527    0\n', 'Method        Method completed
                11:02:31 08/13/21\n', ' 443 41e2 61164d76   50\n', "Method        Method started:  li
                ne# 5 at location 'P1-C2'>  12:46:14 08/13/21\n", ' 443 41e2 61164d76   50\n', 'Meth
                od        inj# 1                              12:46:14 08/13/21\n', '  70
                41e0 61164d76    0\n', 'CP Macro     Analyzing rawdata 210813_Pac--005.D
                12:46:14 08/13/21\n', ' 875 41e2 61164d77    0\n', 'Method        Saving Method DA.M
                12:46:15 08/13/21\n', '  70 41e0 61164d77    0\n', 'CP Macro     Report could not be
                created.                  12:46:15 08/13/21\n', ' 3bf 41e2 61164d77    0\n', 'Metho
                d        Method completed                        12:46:15 08/13/21\n']
                Sample - 210813_Pac--005 :
                start date : 12:46:14 08/13/21
                end date : 12:46:15 08/13/21
                runtime : 1

                Runtime this run(seconds) : 279
                Runtime this run(seconds) : 2
                Times started(in event of fault) : 2
                This files logs
                [' 443 41e2 61163527 474c\n', "Method        Method started:  line# 6 at location 'P
                1-C1'>  11:02:31 08/13/21\n", ' 443 41e2 61163527 474c\n', 'Method        inj# 1
                11:02:31 08/13/21\n', ' 3bf 41e2 61163527    0\n', 'Method        Instrument running
                a blank run                11:02:31 08/13/21\n', '  70 1daf 61163549    0\n', 'G131
                5C      1 G1315C:DE63055907 - Run                    11:03:05 08/13/21\n', '  70
                1dac 6116363a    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
                11:07:06 08/13/21\n', '  70 1dae 6116363a    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
                Postrun                   11:07:06 08/13/21\n', ' 3bf 41e2 6116363c    0\n', 'Metho
                d        Instrument run completed                11:07:08 08/13/21\n', ' 875 4
                1e2 6116363d    0\n', 'Method        Saving Method SAA_411_Pac.M                  1
                1:07:09 08/13/21\n', ' 875 41e2 6116363e    0\n', 'Method        Saving Method RUN.M
                11:07:10 08/13/21\n', '  70 41e0 6116363e    0\n', 'CP Macro     Analyzing rawdata 2
                10813_Pac--006.D             11:07:10 08/13/21\n', ' 875 41e2 6116363e    0\n', 'Meth
                od        Saving Method DA.M                       11:07:10 08/13/21\n', '  70
                41e0 6116363e    0\n', 'CP Macro     Report could not be created.
                11:07:10 08/13/21\n', ' 3bf 41e2 6116363e    0\n', 'Method        Method completed
                11:07:10 08/13/21\n', ' 443 41e2 61164d77 d000\n', "Method        Method started:  li
                ne# 6 at location 'P1-C1'>  12:46:15 08/13/21\n", ' 443 41e2 61164d77 d000\n', 'Meth
                od        inj# 1                              12:46:15 08/13/21\n', '  70
```

```
41e0 61164d78     0\n', 'CP Macro     Analyzing rawdata 210813_Pac--006.D
12:46:16 08/13/21\n', ' 875 41e2 61164d78     0\n', 'Method       Saving Method DA.M
12:46:16 08/13/21\n', '  70 41e0 61164d79     0\n', 'CP Macro     Report could not be
created.                    12:46:17 08/13/21\n', ' 3bf 41e2 61164d79     0\n', 'Metho
d       Method completed                            12:46:17 08/13/21\n']
Sample - 006-blank :
start date : 12:46:15 08/13/21
end date : 12:46:17 08/13/21
runtime : 2


Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 6116363e d3a4\n', "Method       Method started:  line# 7 at location 'P
1-C3'>  11:07:10 08/13/21\n", ' 443 41e2 6116363e d3a4\n', 'Method        inj# 1
11:07:10 08/13/21\n', ' 3bf 41e2 61163640     0\n', 'Method       Instrument running
sample from location P1-C3   11:07:12 08/13/21\n', '  70 1daf 61163660     0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        11:07:44 08/13/21\n', '  70
1dae 61163751     0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun
11:11:45 08/13/21\n', '  70 1dac 61163751     0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                    11:11:45 08/13/21\n', ' 3bf 41e2 61163753     0\n', 'Metho
d       Instrument run completed                    11:11:47 08/13/21\n', ' 875 4
1e2 61163754     0\n', 'Method       Saving Method SAA_411_Pac.M                    1
1:11:48 08/13/21\n', ' 875 41e2 61163754     0\n', 'Method       Saving Method RUN.M
11:11:48 08/13/21\n', '  70 41e0 61163754     0\n', 'CP Macro     Analyzing rawdata 2
10813_Pac--007.D              11:11:48 08/13/21\n', ' 875 41e2 61163755     0\n', 'Meth
od       Saving Method DA.M                            11:11:49 08/13/21\n', '  70
41e0 61163755     0\n', 'CP Macro     Report could not be created.
11:11:49 08/13/21\n', ' 3bf 41e2 61163755     0\n', 'Method       Method completed
11:11:49 08/13/21\n', ' 443 41e2 61164d79   50\n', "Method       Method started:  li
ne# 7 at location 'P1-C3'>  12:46:17 08/13/21\n", ' 443 41e2 61164d79   50\n', 'Meth
od       inj# 1                                    12:46:17 08/13/21\n', '  70
41e0 61164d7a     0\n', 'CP Macro     Analyzing rawdata 210813_Pac--007.D
12:46:18 08/13/21\n', ' 875 41e2 61164d7a     0\n', 'Method       Saving Method DA.M
12:46:18 08/13/21\n', '  70 41e0 61164d7b     0\n', 'CP Macro     Report could not be
created.                12:46:19 08/13/21\n', ' 3bf 41e2 61164d7b     0\n', 'Metho
d       Method completed                            12:46:19 08/13/21\n']
Sample - 210813_Pac--007 :
start date : 12:46:17 08/13/21
end date : 12:46:19 08/13/21
runtime : 2


Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 61163755 474c\n', "Method       Method started:  line# 8 at location 'P
1-C1'>  11:11:49 08/13/21\n", ' 443 41e2 61163755 474c\n', 'Method        inj# 1
11:11:49 08/13/21\n', ' 3bf 41e2 61163757     0\n', 'Method       Instrument running
a blank run               11:11:51 08/13/21\n', '  70 1daf 61163777     0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        11:12:23 08/13/21\n', '  70
1dac 61163867     0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:16:23 08/13/21\n', '  70 1dae 61163868     0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                    11:16:24 08/13/21\n', ' 3bf 41e2 6116386a     0\n', 'Metho
d       Instrument run completed                    11:16:26 08/13/21\n', ' 875 4
```

```
1e2 6116386b    0\n', 'Method      Saving Method SAA_411_Pac.M                    1
1:16:27 08/13/21\n', ' 875 41e2 6116386b    0\n', 'Method      Saving Method RUN.M
11:16:27 08/13/21\n', '  70 41e0 6116386b    0\n', 'CP Macro      Analyzing rawdata 2
10813_Pac--008.D           11:16:27 08/13/21\n', ' 875 41e2 6116386b    0\n', 'Meth
od       Saving Method DA.M                              11:16:27 08/13/21\n', '  70
41e0 6116386c    0\n', 'CP Macro      Report could not be created.
11:16:28 08/13/21\n', ' 3bf 41e2 6116386c    0\n', 'Method      Method completed
11:16:28 08/13/21\n', ' 443 41e2 61164d7b   50\n', "Method      Method started:  li
ne# 8 at location 'P1-C1'>  12:46:19 08/13/21\n", ' 443 41e2 61164d7b   50\n', 'Meth
od       inj# 1                                   12:46:19 08/13/21\n', '  70
41e0 61164d7b    0\n', 'CP Macro      Analyzing rawdata 210813_Pac--008.D
12:46:19 08/13/21\n', ' 875 41e2 61164d7c    0\n', 'Method      Saving Method DA.M
12:46:20 08/13/21\n', '  70 41e0 61164d7d    0\n', 'CP Macro      Report could not be
created.             12:46:21 08/13/21\n', ' 3bf 41e2 61164d7d    0\n', 'Metho
d       Method completed                         12:46:21 08/13/21\n']
Sample - 008-blank :
start date : 12:46:19 08/13/21
end date : 12:46:21 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 6116386c 474c\n', "Method      Method started:  line# 9 at location 'P
1-C4'>  11:16:28 08/13/21\n", ' 443 41e2 6116386c 474c\n', 'Method      inj# 1
11:16:28 08/13/21\n', ' 3bf 41e2 6116386e    0\n', 'Method      Instrument running
sample from location P1-C4  11:16:30 08/13/21\n', '  70 1daf 6116388e    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                      11:17:02 08/13/21\n', '  70
1dac 6116397f    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:21:03 08/13/21\n', '  70 1dae 6116397f    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                 11:21:03 08/13/21\n', '  70 1daa 6116397f    0\n', 'G1316
B      1 G1316B:DE60555985 - Postrun                   11:21:03 08/13/21\n', ' 3bf 4
1e2 61163982    0\n', 'Method      Instrument run completed                    1
1:21:06 08/13/21\n', ' 875 41e2 61163982    0\n', 'Method      Saving Method SAA_41
1_Pac.M                 11:21:06 08/13/21\n', ' 875 41e2 61163983    0\n', 'Metho
d       Saving Method RUN.M                       11:21:07 08/13/21\n', '  70 4
1e0 61163983    0\n', 'CP Macro      Analyzing rawdata 210813_Pac--009.D         1
1:21:07 08/13/21\n', ' 875 41e2 61163983    0\n', 'Method      Saving Method DA.M
11:21:07 08/13/21\n', '  70 41e0 61163983    0\n', 'CP Macro      Report could not be
created.                11:21:07 08/13/21\n', ' 3bf 41e2 61163983    0\n', 'Metho
d       Method completed                        11:21:07 08/13/21\n', ' 443 4
1e2 61164d7d d000\n', "Method      Method started:  line# 9 at location 'P1-C4'>  1
2:46:21 08/13/21\n", ' 443 41e2 61164d7d d000\n', 'Method      inj# 1
12:46:21 08/13/21\n', '  70 41e0 61164d7d    0\n', 'CP Macro      Analyzing rawdata 2
10813_Pac--009.D           12:46:21 08/13/21\n', ' 875 41e2 61164d7e    0\n', 'Meth
od       Saving Method DA.M                              12:46:22 08/13/21\n', '  70
41e0 61164d7e    0\n', 'CP Macro      Report could not be created.
12:46:22 08/13/21\n', ' 3bf 41e2 61164d7f    0\n', 'Method      Method completed
12:46:23 08/13/21\n']
Sample - 210813_Pac--009 :
start date : 12:46:21 08/13/21
end date : 12:46:23 08/13/21
runtime : 2

Runtime this run(seconds) : 278
```

```
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 61163984 4700\n', "Method        Method started:  line# 10 at location 'P
1-C5>  11:21:08 08/13/21\n", ' 443 41e2 61163984 4700\n', "Method         ' inj# 1
11:21:08 08/13/21\n", ' 3bf 41e2 61163985    0\n', 'Method        Instrument running
sample from location P1-C5  11:21:09 08/13/21\n', '  70 1daf 611639a5    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        11:21:41 08/13/21\n', '  70
1dac 61163a96    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:25:42 08/13/21\n', '  70 1dae 61163a96    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                     11:25:42 08/13/21\n', ' 3bf 41e2 61163a98    0\n', 'Metho
d        Instrument run completed                       11:25:44 08/13/21\n', ' 875 4
1e2 61163a99    0\n', 'Method        Saving Method SAA_411_Pac.M                     1
1:25:45 08/13/21\n', ' 875 41e2 61163a99    0\n', 'Method        Saving Method RUN.M
11:25:45 08/13/21\n', '  70 41e0 61163a9a    0\n', 'CP Macro      Analyzing rawdata 2
10813_Pac--010.D              11:25:46 08/13/21\n', ' 875 41e2 61163a9a    0\n', 'Meth
od        Saving Method DA.M                           11:25:46 08/13/21\n', '  70
41e0 61163a9a    0\n', 'CP Macro      Report could not be created.
11:25:46 08/13/21\n', ' 3bf 41e2 61163a9a    0\n', 'Method        Method completed
11:25:46 08/13/21\n', ' 443 41e2 61164d7f    0\n', "Method        Method started:  li
ne# 10 at location 'P1-C5>  12:46:23 08/13/21\n", ' 443 41e2 61164d7f    0\n', "Meth
od        ' inj# 1                                      12:46:23 08/13/21\n", '  70
41e0 61164d7f    0\n', 'CP Macro      Analyzing rawdata 210813_Pac--010.D
12:46:23 08/13/21\n', ' 875 41e2 61164d80    0\n', 'Method        Saving Method DA.M
12:46:24 08/13/21\n', '  70 41e0 61164d80    0\n', 'CP Macro      Report could not be
created.                  12:46:24 08/13/21\n', ' 3bf 41e2 61164d81    0\n', 'Metho
d        Method completed                              12:46:25 08/13/21\n']
Sample - 210813_Pac--010 :
start date : 12:46:23 08/13/21
end date : 12:46:25 08/13/21
runtime : 2


Runtime this run(seconds) : 280
Runtime this run(seconds) : 1
Times started(in event of fault) : 2
This files logs
[' 443 41e2 61163a9a 474c\n', "Method        Method started:  line# 11 at location 'P
1-C6>  11:25:46 08/13/21\n", ' 443 41e2 61163a9a 474c\n', "Method         ' inj# 1
11:25:46 08/13/21\n", ' 3bf 41e2 61163a9c    0\n', 'Method        Instrument running
sample from location P1-C6  11:25:48 08/13/21\n', '  70 1daf 61163abd    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        11:26:21 08/13/21\n', '  70
1dac 61163bad    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:30:21 08/13/21\n', '  70 1dae 61163bad    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                     11:30:21 08/13/21\n', '  70 1daa 61163bad    0\n', 'G1316
B      1 G1316B:DE60555985 - Postrun                     11:30:21 08/13/21\n', ' 3bf 4
1e2 61163bb0    0\n', 'Method        Instrument run completed                       1
1:30:24 08/13/21\n', ' 875 41e2 61163bb0    0\n', 'Method        Saving Method SAA_41
1_Pac.M                     11:30:24 08/13/21\n', ' 875 41e2 61163bb1    0\n', 'Metho
d        Saving Method RUN.M                            11:30:25 08/13/21\n', '  70 4
1e0 61163bb1    0\n', 'CP Macro      Analyzing rawdata 210813_Pac--011.D          1
1:30:25 08/13/21\n', ' 875 41e2 61163bb1    0\n', 'Method        Saving Method DA.M
11:30:25 08/13/21\n', '  70 41e0 61163bb1    0\n', 'CP Macro      Report could not be
created.                  11:30:25 08/13/21\n', ' 3bf 41e2 61163bb2    0\n', 'Metho
d        Method completed                              11:30:26 08/13/21\n', ' 443 4
1e2 61164d81   50\n', "Method        Method started:  line# 11 at location 'P1-C6>  1
2:46:25 08/13/21\n", ' 443 41e2 61164d81   50\n', "Method         ' inj# 1
```

```
12:46:25 08/13/21\n", '  70 41e0 61164d81    0\n', 'CP Macro      Analyzing rawdata 2
10813_Pac--011.D              12:46:25 08/13/21\n', ' 875 41e2 61164d82    0\n', 'Meth
od        Saving Method DA.M                               12:46:26 08/13/21\n', '  70
41e0 61164d82    0\n', 'CP Macro      Report could not be created.
12:46:26 08/13/21\n', ' 3bf 41e2 61164d82    0\n', 'Method        Method completed
12:46:26 08/13/21\n']
Sample - 210813_Pac--011 :
start date : 12:46:25 08/13/21
end date : 12:46:26 08/13/21
runtime : 1

Runtime this run(seconds) : 278
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 61163bb2 474c\n', "Method        Method started:  line# 12 at location 'P
1-C1>  11:30:26 08/13/21\n", ' 443 41e2 61163bb2 474c\n', "Method        ' inj# 1
11:30:26 08/13/21\n", ' 3bf 41e2 61163bb3    0\n', 'Method        Instrument running
a blank run                  11:30:27 08/13/21\n', '  70 1daf 61163bd3    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                       11:30:59 08/13/21\n', '  70
1dac 61163cc3    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:34:59 08/13/21\n', '  70 1dae 61163cc3    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                  11:34:59 08/13/21\n', ' 3bf 41e2 61163cc6    0\n', 'Metho
d        Instrument run completed                      11:35:02 08/13/21\n', ' 875 4
1e2 61163cc7    0\n', 'Method        Saving Method SAA_411_Pac.M                    1
1:35:03 08/13/21\n', ' 875 41e2 61163cc7    0\n', 'Method        Saving Method RUN.M
11:35:03 08/13/21\n', '  70 41e0 61163cc7    0\n', 'CP Macro      Analyzing rawdata 2
10813_Pac--012.D              11:35:03 08/13/21\n', ' 875 41e2 61163cc7    0\n', 'Meth
od        Saving Method DA.M                       11:35:03 08/13/21\n', '  70
41e0 61163cc8    0\n', 'CP Macro      Report could not be created.
11:35:04 08/13/21\n', ' 3bf 41e2 61163cc8    0\n', 'Method        Method completed
11:35:04 08/13/21\n', ' 443 41e2 61164d82    0\n', "Method        Method started:  li
ne# 12 at location 'P1-C1>  12:46:26 08/13/21\n", ' 443 41e2 61164d82    0\n', "Meth
od        ' inj# 1                               12:46:26 08/13/21\n", '  70
41e0 61164d83    0\n', 'CP Macro      Analyzing rawdata 210813_Pac--012.D
12:46:27 08/13/21\n', ' 875 41e2 61164d84    0\n', 'Method        Saving Method DA.M
12:46:28 08/13/21\n', '  70 41e0 61164d84    0\n', 'CP Macro      Report could not be
created.                  12:46:28 08/13/21\n', ' 3bf 41e2 61164d84    0\n', 'Metho
d        Method completed                       12:46:28 08/13/21\n']
Sample - 012-blank :
start date : 12:46:26 08/13/21
end date : 12:46:28 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 61163cc8 474c\n', "Method        Method started:  line# 13 at location 'P
1-C3>  11:35:04 08/13/21\n", ' 443 41e2 61163cc8 474c\n', "Method        ' inj# 1
11:35:04 08/13/21\n", ' 3bf 41e2 61163cca    0\n', 'Method        Instrument running
sample from location P1-C3  11:35:06 08/13/21\n', '  70 1daf 61163cea    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                       11:35:38 08/13/21\n', '  70
1dac 61163dda    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:39:38 08/13/21\n', '  70 1dae 61163dda    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                  11:39:38 08/13/21\n', ' 3bf 41e2 61163ddd    0\n', 'Metho
```

```
d       Instrument run completed                          11:39:41 08/13/21\n', ' 875 4
1e2 61163dde    0\n', 'Method       Saving Method SAA_411_Pac.M                      1
1:39:42 08/13/21\n', ' 875 41e2 61163dde    0\n', 'Method       Saving Method RUN.M
11:39:42 08/13/21\n', ' 70 41e0 61163dde    0\n', 'CP Macro     Analyzing rawdata 2
10813_Pac--013.D             11:39:42 08/13/21\n', ' 875 41e2 61163dde    0\n', 'Meth
od      Saving Method DA.M                               11:39:42 08/13/21\n', ' 70
41e0 61163ddf    0\n', 'CP Macro     Report could not be created.
11:39:43 08/13/21\n', ' 3bf 41e2 61163ddf    0\n', 'Method       Method completed
11:39:43 08/13/21\n', ' 443 41e2 61164d84    0\n', "Method       Method started:  li
ne# 13 at location 'P1-C3>  12:46:28 08/13/21\n", ' 443 41e2 61164d84    0\n', "Meth
od       ' inj# 1                                        12:46:28 08/13/21\n", ' 70
41e0 61164d85    0\n', 'CP Macro     Analyzing rawdata 210813_Pac--013.D
12:46:29 08/13/21\n', ' 875 41e2 61164d85    0\n', 'Method       Saving Method DA.M
12:46:29 08/13/21\n', ' 70 41e0 61164d86    0\n', 'CP Macro     Report could not be
created.                    12:46:30 08/13/21\n', ' 3bf 41e2 61164d86    0\n', 'Metho
d       Method completed                                 12:46:30 08/13/21\n']
Sample - 210813_Pac--013 :
start date : 12:46:28 08/13/21
end date : 12:46:30 08/13/21
runtime : 2


Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 61163ddf    0\n', "Method       Method started:  line# 14 at location 'P
1-C1>  11:39:43 08/13/21\n", ' 443 41e2 61163ddf    0\n', "Method       ' inj# 1
11:39:43 08/13/21\n", ' 3bf 41e2 61163de1    0\n', 'Method       Instrument running
a blank run                 11:39:45 08/13/21\n', ' 70 1daf 61163e00    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                         11:40:16 08/13/21\n', ' 70
1dac 61163ef1    0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun
11:44:17 08/13/21\n', ' 70 1dae 61163ef1    0\n', 'G7116B    2 G7116B:DEBAZ03738 -
Postrun                     11:44:17 08/13/21\n', ' 70 1daa 61163ef1    0\n', 'G1316
B     1 G1316B:DE60555985 - Postrun                      11:44:17 08/13/21\n', ' 3bf 4
1e2 61163ef4    0\n', 'Method       Instrument run completed                      1
1:44:20 08/13/21\n', ' 875 41e2 61163ef4    0\n', 'Method       Saving Method SAA_41
1_Pac.M                     11:44:20 08/13/21\n', ' 875 41e2 61163ef5    0\n', 'Metho
d       Saving Method RUN.M                              11:44:21 08/13/21\n', ' 70 4
1e0 61163ef5    0\n', 'CP Macro     Analyzing rawdata 210813_Pac--014.D            1
1:44:21 08/13/21\n', ' 875 41e2 61163ef5    0\n', 'Method       Saving Method DA.M
11:44:21 08/13/21\n', ' 70 41e0 61163ef5    0\n', 'CP Macro     Report could not be
created.                    11:44:21 08/13/21\n', ' 3bf 41e2 61163ef6    0\n', 'Metho
d       Method completed                                 11:44:22 08/13/21\n', ' 443 4
1e2 61164d86    0\n', "Method       Method started:  line# 14 at location 'P1-C1>  1
2:46:30 08/13/21\n", ' 443 41e2 61164d86    0\n', "Method       ' inj# 1
12:46:30 08/13/21\n", ' 70 41e0 61164d87    0\n', 'CP Macro     Analyzing rawdata 2
10813_Pac--014.D             12:46:31 08/13/21\n', ' 875 41e2 61164d87    0\n', 'Meth
od      Saving Method DA.M                               12:46:31 08/13/21\n', ' 70
41e0 61164d88    0\n', 'CP Macro     Report could not be created.
12:46:32 08/13/21\n', ' 3bf 41e2 61164d88    0\n', 'Method       Method completed
12:46:32 08/13/21\n']
Sample - 014-blank :
start date : 12:46:30 08/13/21
end date : 12:46:32 08/13/21
runtime : 2
```

```
Runtime this run(seconds) : 383
Runtime this run(seconds) : 2
Times started(in event of fault) : 2
This files logs
[' 443 41e2 61162f4d    1\n', "Method       Method started:  line# 1 at location 'P
1-C1'>  10:37:33 08/13/21\n", ' 443 41e2 61162f4d    1\n', 'Method       inj# 1
10:37:33 08/13/21\n', ' 3bf 41e2 61162f4d    0\n', 'Method       Instrument running
a blank run                    10:37:33 08/13/21\n', '  70 1dac 61162f4d    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Pump on                    10:37:33 08/13/21\n', '  70
1dad 61162f4f    0\n', 'G1312B     2 G1312B:DE63056112 - Pump on
10:37:35 08/13/21\n', '  70 1daf 61162f56    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Idle                10:37:42 08/13/21\n', '  70 1dac 61162fd7    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Run                    10:39:51 08/13/21\n', '  70 1
dac 611630c7    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun                1
0:43:51 08/13/21\n', '  70 1dae 611630c7    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                    10:43:51 08/13/21\n', ' 3bf 41e2 611630ca    0\n', 'Metho
d       Instrument run completed                    10:43:54 08/13/21\n', ' 875 4
1e2 611630cb    0\n', 'Method       Saving Method SAA_411_Pac.M                1
0:43:55 08/13/21\n', ' 875 41e2 611630cb    0\n', 'Method       Saving Method RUN.M
10:43:55 08/13/21\n', '  70 41e0 611630cb    0\n', 'CP Macro     Analyzing rawdata 2
10813_Pac.D                    10:43:55 08/13/21\n', ' 875 41e2 611630cb    0\n', 'Meth
od       Saving Method DA.M                    10:43:55 08/13/21\n', '  70
41e0 611630cc    0\n', 'CP Macro     Report could not be created.
10:43:56 08/13/21\n', ' 3bf 41e2 611630cc    0\n', 'Method       Method completed
10:43:56 08/13/21\n', ' 443 41e2 61164d6e    0\n', "Method       Method started:  li
ne# 1 at location 'P1-C1'>  12:46:06 08/13/21\n", ' 443 41e2 61164d6e    0\n', 'Meth
od       inj# 1                    12:46:06 08/13/21\n', '  70
41e0 61164d6f    0\n', 'CP Macro     Analyzing rawdata 210813_Pac.D
12:46:07 08/13/21\n', ' 875 41e2 61164d6f    0\n', 'Method       Saving Method DA.M
12:46:07 08/13/21\n', '  70 41e0 61164d70    0\n', 'CP Macro     Report could not be
created.                    12:46:08 08/13/21\n', ' 3bf 41e2 61164d70    0\n', 'Metho
d       Method completed                    12:46:08 08/13/21\n']
Sample - 001-blank :
start date : 12:46:06 08/13/21
end date : 12:46:08 08/13/21
runtime : 2

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 61160de6 d3a4\n', "Method       Method started:  line# 2 at location 'P
1-A1'>  08:15:02 08/13/21\n", ' 443 41e2 61160de6 d3a4\n', 'Method       inj# 2
08:15:02 08/13/21\n', ' 3bf 41e2 61160de7    0\n', 'Method       Instrument running
a blank run                    08:15:03 08/13/21\n', '  70 1daf 61160dea    0\n', 'G131
5C     1 G1315C:DE63055907 - Detector: Prepare         08:15:06 08/13/21\n', '  70
1daf 61160dee    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle
08:15:10 08/13/21\n', '  70 1dac 61160e06    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Run                    08:15:34 08/13/21\n', '  70 1dae 61160e85    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                    08:17:41 08/13/21\n', '  70 1
dac 61160e85    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun                0
8:17:41 08/13/21\n', ' 3bf 41e2 61160e86    0\n', 'Method       Instrument run compl
eted                    08:17:42 08/13/21\n', ' 875 41e2 61160e87    0\n', 'Metho
d       Saving Method SAA_411_Gem.M                    08:17:43 08/13/21\n', ' 875 4
1e2 61160e87    0\n', 'Method       Saving Method RUN.M                    0
8:17:43 08/13/21\n', '  70 41e0 61160e87    0\n', 'CP Macro     Analyzing rawdata 21
0813_Gem_210812--002.D     08:17:43 08/13/21\n', ' 875 41e2 61160e88    0\n', 'Metho
```

```
d        Saving Method DA.M                                    08:17:44 08/13/21\n', '   70 4
1e0 61160e88     0\n', 'CP Macro     Report could not be created.                       0
8:17:44 08/13/21\n', ' 3bf 41e2 61160e88     0\n', 'Method        Method completed
08:17:44 08/13/21\n']
Sample - 002-blank :
start date : 08:15:02 08/13/21
end date : 08:17:44 08/13/21
runtime : 162


Runtime this run(seconds) : 163
Times started(in event of fault) : 1
This files logs
[' 443 41e2 61160e88     0\n', "Method        Method started:  line# 3 at location 'P
1-A1'>  08:17:44 08/13/21\n", ' 443 41e2 61160e88     0\n', 'Method        inj# 3
08:17:44 08/13/21\n', ' 3bf 41e2 61160e89     0\n', 'Method        Instrument running
a blank run                   08:17:45 08/13/21\n', '   70 1daf 61160e8c     0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare         08:17:48 08/13/21\n', '   70
1daf 61160e90     0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
08:17:52 08/13/21\n', '   70 1daf 61160ea9     0\n', 'G1315C      1 G1315C:DE63055907 -
Run                          08:18:17 08/13/21\n', '   70 1dae 61160f27     0\n', 'G7116
B       2 G7116B:DEBAZ03738 - Postrun                          08:20:23 08/13/21\n', ' 3bf 4
1e2 61160f28     0\n', 'Method        Instrument run completed                     0
8:20:24 08/13/21\n', ' 875 41e2 61160f29     0\n', 'Method        Saving Method SAA_41
1_Gem.M                       08:20:25 08/13/21\n', ' 875 41e2 61160f2a     0\n', 'Metho
d        Saving Method RUN.M                                    08:20:26 08/13/21\n', '   70 4
1e0 61160f2a     0\n', 'CP Macro     Analyzing rawdata 210813_Gem_210812--003.D      0
8:20:26 08/13/21\n', ' 875 41e2 61160f2a     0\n', 'Method        Saving Method DA.M
08:20:26 08/13/21\n', '   70 41e0 61160f2b     0\n', 'CP Macro     Report could not be
created.                      08:20:27 08/13/21\n', ' 3bf 41e2 61160f2b     0\n', 'Metho
d        Method completed                                    08:20:27 08/13/21\n']
Sample - 003-blank :
start date : 08:17:44 08/13/21
end date : 08:20:27 08/13/21
runtime : 163


Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 61160f2b 474c\n', "Method        Method started:  line# 4 at location 'P
1-A1'>  08:20:27 08/13/21\n", ' 443 41e2 61160f2b 474c\n', 'Method        inj# 4
08:20:27 08/13/21\n', ' 3bf 41e2 61160f2b     0\n', 'Method        Instrument running
a blank run                   08:20:27 08/13/21\n', '   70 1daf 61160f2e     0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare         08:20:30 08/13/21\n', '   70
1daf 61160f33     0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
08:20:35 08/13/21\n', '   70 1daf 61160f4b     0\n', 'G1315C      1 G1315C:DE63055907 -
Run                          08:20:59 08/13/21\n', '   70 1dac 61160fca     0\n', 'G7110
B       1 G7110B:DEAEH01167 - Postrun                          08:23:06 08/13/21\n', '   70 1
dae 61160fca     0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                     0
8:23:06 08/13/21\n', ' 3bf 41e2 61160fcb     0\n', 'Method        Instrument run compl
eted                          08:23:07 08/13/21\n', ' 875 41e2 61160fcc     0\n', 'Metho
d        Saving Method SAA_411_Gem.M                           08:23:08 08/13/21\n', ' 875 4
1e2 61160fcc     0\n', 'Method        Saving Method RUN.M                           0
8:23:08 08/13/21\n', '   70 41e0 61160fcc     0\n', 'CP Macro     Analyzing rawdata 21
0813_Gem_210812--004.D      08:23:08 08/13/21\n', ' 875 41e2 61160fcc     0\n', 'Metho
d        Saving Method DA.M                                    08:23:08 08/13/21\n', '   70 4
1e0 61160fcd     0\n', 'CP Macro     Report could not be created.                    0
```

```
                        8:23:09 08/13/21\n', ' 3bf 41e2 61160fcd    0\n', 'Method        Method completed
08:23:09 08/13/21\n']
Sample - 004-blank :
start date : 08:20:27 08/13/21
end date : 08:23:09 08/13/21
runtime : 162


Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 61160fcd d3a4\n', "Method        Method started:  line# 5 at location 'P
1-A2'>  08:23:09 08/13/21\n", ' 443 41e2 61160fcd d3a4\n', 'Method        inj# 1
08:23:09 08/13/21\n', ' 3bf 41e2 61160fce    0\n', 'Method        Instrument running
sample from location P1-A2  08:23:10 08/13/21\n', '  70 1daf 61160fd0    0\n', 'G131
5C     1 G1315C:DE63055907 - Detector: Prepare         08:23:12 08/13/21\n', '  70
1daf 61160fd5    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle
08:23:17 08/13/21\n', '  70 1daf 61160fed    0\n', 'G1315C     1 G1315C:DE63055907 -
Run                    08:23:41 08/13/21\n', '  70 1dac 6116106c    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                    08:25:48 08/13/21\n', '  70 1
dae 6116106c    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                  0
8:25:48 08/13/21\n', '  70 1dab 6116106c    0\n', 'G1367E     1 G1367E:DEAAN00101 -
Postrun                    08:25:48 08/13/21\n', ' 3bf 41e2 6116106d    0\n', 'Metho
d        Instrument run completed                    08:25:49 08/13/21\n', ' 875 4
1e2 6116106e    0\n', 'Method        Saving Method SAA_411_Gem.M                 0
8:25:50 08/13/21\n', ' 875 41e2 6116106e    0\n', 'Method        Saving Method RUN.M
08:25:50 08/13/21\n', '  70 41e0 6116106e    0\n', 'CP Macro     Analyzing rawdata 2
10813_Gem_210812--005.D     08:25:50 08/13/21\n', ' 875 41e2 6116106f    0\n', 'Meth
od        Saving Method DA.M                    08:25:51 08/13/21\n', '  70
41e0 6116106f    0\n', 'CP Macro     Report could not be created.
08:25:51 08/13/21\n', ' 3bf 41e2 6116106f    0\n', 'Method        Method completed
08:25:51 08/13/21\n']
Sample - 210813_Gem_210812--005 :
start date : 08:23:09 08/13/21
end date : 08:25:51 08/13/21
runtime : 162


Runtime this run(seconds) : 249
Times started(in event of fault) : 1
This files logs
[' 443 41e2 61160ced    0\n', "Method        Method started:  line# 1 at location 'P
1-A1'>  08:10:53 08/13/21\n", ' 443 41e2 61160ced    0\n', 'Method        inj# 1
08:10:53 08/13/21\n', ' 3bf 41e2 61160ced    0\n', 'Method        Instrument running
a blank run                    08:10:53 08/13/21\n', '  70 1dac 61160ced    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Pump on                    08:10:53 08/13/21\n', '  70
1dad 61160ced    0\n', 'G1312B     2 G1312B:DE63056112 - Pump on
08:10:53 08/13/21\n', '  70 1daf 61160d45    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Prepare         08:12:21 08/13/21\n', '  70 1daf 61160d4a    0\n', 'G1315
C     1 G1315C:DE63055907 - Detector: Idle         08:12:26 08/13/21\n', '  70 1
dac 61160d64    0\n', 'G7110B     1 G7110B:DEAEH01167 - Run                    0
8:12:52 08/13/21\n', '  70 1dae 61160de3    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                    08:14:59 08/13/21\n', ' 3bf 41e2 61160de4    0\n', 'Metho
d        Instrument run completed                    08:15:00 08/13/21\n', ' 875 4
1e2 61160de5    0\n', 'Method        Saving Method SAA_411_Gem.M                 0
8:15:01 08/13/21\n', ' 875 41e2 61160de5    0\n', 'Method        Saving Method RUN.M
08:15:01 08/13/21\n', '  70 41e0 61160de5    0\n', 'CP Macro     Analyzing rawdata 2
10813_Gem_210812.D         08:15:01 08/13/21\n', ' 875 41e2 61160de6    0\n', 'Meth
```

od   Saving Method DA.M   08:15:02 08/13/21\n', ' 70
41e0 61160de6   0\n', 'CP Macro   Report could not be created.
08:15:02 08/13/21\n', ' 3bf 41e2 61160de6   0\n', 'Method   Method completed
08:15:02 08/13/21\n']
Sample - 001-blank :
start date : 08:10:53 08/13/21
end date : 08:15:02 08/13/21
runtime : 249

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114dd8a 474c\n', "Method   Method started: line# 2 at location 'P
1-A1'> 10:36:26 08/12/21\n", ' 443 41e2 6114dd8a 474c\n', 'Method   inj# 2
10:36:26 08/12/21\n', ' 3bf 41e2 6114dd8c   0\n', 'Method   Instrument running
a blank run   10:36:28 08/12/21\n', ' 70 1daf 6114ddac   0\n', 'G131
5C   1 G1315C:DE63055907 - Run   10:37:00 08/12/21\n', ' 70
1dac 6114de9c   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun
10:41:00 08/12/21\n', ' 70 1dae 6114de9c   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   10:41:00 08/12/21\n', ' 3bf 41e2 6114de9f   0\n', 'Metho
d   Instrument run completed   10:41:03 08/12/21\n', ' 875 4
1e2 6114dea0   0\n', 'Method   Saving Method SAA_411_Pac.M   1
0:41:04 08/12/21\n', ' 875 41e2 6114dea0   0\n', 'Method   Saving Method RUN.M
10:41:04 08/12/21\n', ' 70 41e0 6114dea0   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--002.D   10:41:04 08/12/21\n', ' 875 41e2 6114dea1   0\n', 'Meth
od   Saving Method DA.M   10:41:05 08/12/21\n', ' 70
41e0 6114dea1   0\n', 'CP Macro   Report could not be created.
10:41:05 08/12/21\n', ' 3bf 41e2 6114dea1   0\n', 'Method   Method completed
10:41:05 08/12/21\n', ' 443 41e2 6116327f 68ef\n', "Method   Method started: li
ne# 2 at location 'P1-A1'> 10:51:11 08/13/21\n", ' 443 41e2 6116327f 68ef\n', 'Meth
od   inj# 2   10:51:11 08/13/21\n', ' 70
41e0 61163280   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--002.D
10:51:12 08/13/21\n', ' 875 41e2 61163280   0\n', 'Method   Saving Method DA.M
10:51:12 08/13/21\n', ' 70 41e0 61163281   0\n', 'CP Macro   Report could not be
created.   10:51:13 08/13/21\n', ' 3bf 41e2 61163281   0\n', 'Metho
d   Method completed   10:51:13 08/13/21\n', ' 443 4
1e2 6116346c   50\n', "Method   Method started: line# 2 at location 'P1-A1'> 1
0:59:24 08/13/21\n", ' 443 41e2 6116346c   50\n', 'Method   inj# 2
10:59:24 08/13/21\n', ' 70 41e0 6116346d   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--002.D   10:59:25 08/13/21\n', ' 875 41e2 6116346d   0\n', 'Meth
od   Saving Method DA.M   10:59:25 08/13/21\n', ' 70
41e0 6116346e   0\n', 'CP Macro   Report could not be created.
10:59:26 08/13/21\n', ' 3bf 41e2 6116346e   0\n', 'Method   Method completed
10:59:26 08/13/21\n']
Sample - 002-blank :
start date : 10:59:24 08/13/21
end date : 10:59:26 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs

```
[' 443 41e2 6114dea1    0\n', "Method       Method started:  line# 3 at location 'P
1-A1'>  10:41:05 08/12/21\n", ' 443 41e2 6114dea1    0\n', 'Method       inj# 3
10:41:05 08/12/21\n', ' 3bf 41e2 6114dea3    0\n', 'Method       Instrument running
a blank run               10:41:07 08/12/21\n', '  70 1daf 6114dec3    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                          10:41:39 08/12/21\n', '  70
1dac 6114dfb3    0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun
10:45:39 08/12/21\n', '  70 1dae 6114dfb3    0\n', 'G7116B    2 G7116B:DEBAZ03738 -
Postrun                   10:45:39 08/12/21\n', '  70 1daa 6114dfb3    0\n', 'G1316
B     1 G1316B:DE60555985 - Postrun                          10:45:39 08/12/21\n', ' 3bf 4
1e2 6114dfb6    0\n', 'Method       Instrument run completed                1
0:45:42 08/12/21\n', ' 875 41e2 6114dfb7    0\n', 'Method       Saving Method SAA_41
1_Pac.M                   10:45:43 08/12/21\n', ' 875 41e2 6114dfb7    0\n', 'Metho
d       Saving Method RUN.M                          10:45:43 08/12/21\n', '  70 4
1e0 6114dfb7    0\n', 'CP Macro    Analyzing rawdata 210812_Pac--003.D         1
0:45:43 08/12/21\n', ' 875 41e2 6114dfb8    0\n', 'Method       Saving Method DA.M
10:45:44 08/12/21\n', '  70 41e0 6114dfb8    0\n', 'CP Macro    Report could not be
created.                  10:45:44 08/12/21\n', ' 3bf 41e2 6114dfb8    0\n', 'Metho
d       Method completed                          10:45:44 08/12/21\n', ' 443 4
1e2 61163281   50\n', "Method       Method started:  line# 3 at location 'P1-A1'>  1
0:51:13 08/13/21\n", ' 443 41e2 61163281   50\n', 'Method       inj# 3
10:51:13 08/13/21\n', '  70 41e0 61163281    0\n', 'CP Macro    Analyzing rawdata 2
10812_Pac--003.D          10:51:13 08/13/21\n', ' 875 41e2 61163282    0\n', 'Meth
od       Saving Method DA.M                          10:51:14 08/13/21\n', '  70
41e0 61163282    0\n', 'CP Macro    Report could not be created.
10:51:14 08/13/21\n', ' 3bf 41e2 61163283    0\n', 'Method       Method completed
10:51:15 08/13/21\n', ' 443 41e2 6116346e    0\n', "Method       Method started:  li
ne# 3 at location 'P1-A1'>  10:59:26 08/13/21\n", ' 443 41e2 6116346e    0\n', 'Meth
od       inj# 3                          10:59:26 08/13/21\n', '  70
41e0 6116346e    0\n', 'CP Macro    Analyzing rawdata 210812_Pac--003.D
10:59:26 08/13/21\n', ' 875 41e2 6116346f    0\n', 'Method       Saving Method DA.M
10:59:27 08/13/21\n', '  70 41e0 6116346f    0\n', 'CP Macro    Report could not be
created.                  10:59:27 08/13/21\n', ' 3bf 41e2 61163470    0\n', 'Metho
d       Method completed                          10:59:28 08/13/21\n']
Sample - 003-blank :
start date : 10:59:26 08/13/21
end date : 10:59:28 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 1
Runtime this run(seconds) : 1
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114dfb8 474c\n', "Method       Method started:  line# 4 at location 'P
1-A1'>  10:45:44 08/12/21\n", ' 443 41e2 6114dfb8 474c\n', 'Method       inj# 4
10:45:44 08/12/21\n', ' 3bf 41e2 6114dfb8    0\n', 'Method       Instrument running
a blank run               10:45:44 08/12/21\n', '  70 1daf 6114dfda    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                          10:46:18 08/12/21\n', '  70
1dac 6114e0ca    0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun
10:50:18 08/12/21\n', '  70 1dae 6114e0ca    0\n', 'G7116B    2 G7116B:DEBAZ03738 -
Postrun                   10:50:18 08/12/21\n', ' 3bf 41e2 6114e0cd    0\n', 'Metho
d       Instrument run completed                          10:50:21 08/12/21\n', ' 875 4
1e2 6114e0ce    0\n', 'Method       Saving Method SAA_411_Pac.M                1
0:50:22 08/12/21\n', ' 875 41e2 6114e0ce    0\n', 'Method       Saving Method RUN.M
10:50:22 08/12/21\n', '  70 41e0 6114e0ce    0\n', 'CP Macro    Analyzing rawdata 2
10812_Pac--004.D          10:50:22 08/12/21\n', ' 875 41e2 6114e0cf    0\n', 'Meth
```

```
od         Saving Method DA.M                                    10:50:23 08/12/21\n', '   70
41e0 6114e0cf     0\n', 'CP Macro      Report could not be created.
10:50:23 08/12/21\n', ' 3bf 41e2 6114e0cf     0\n', 'Method        Method completed
10:50:23 08/12/21\n', ' 443 41e2 61163283    50\n', "Method        Method started:  li
ne# 4 at location 'P1-A1'>  10:51:15 08/13/21\n", ' 443 41e2 61163283    50\n', 'Meth
od         inj# 4                                      10:51:15 08/13/21\n', '   70
41e0 61163283     0\n', 'CP Macro      Analyzing rawdata 210812_Pac--004.D
10:51:15 08/13/21\n', ' 875 41e2 61163284     0\n', 'Method        Saving Method DA.M
10:51:16 08/13/21\n', '   70 41e0 61163284     0\n', 'CP Macro      Report could not be
created.                     10:51:16 08/13/21\n', ' 3bf 41e2 61163284     0\n', 'Metho
d         Method completed                              10:51:16 08/13/21\n', ' 443 4
1e2 61163470    50\n', "Method        Method started:  line# 4 at location 'P1-A1'>  1
0:59:28 08/13/21\n", ' 443 41e2 61163470    50\n', 'Method         inj# 4
10:59:28 08/13/21\n', '   70 41e0 61163470     0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--004.D           10:59:28 08/13/21\n', ' 875 41e2 61163471     0\n', 'Meth
od         Saving Method DA.M                                    10:59:29 08/13/21\n', '   70
41e0 61163471     0\n', 'CP Macro      Report could not be created.
10:59:29 08/13/21\n', ' 3bf 41e2 61163471     0\n', 'Method        Method completed
10:59:29 08/13/21\n']
Sample - 004-blank :
start date : 10:59:28 08/13/21
end date : 10:59:29 08/13/21
runtime : 1

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114e0cf f740\n', "Method        Method started:  line# 5 at location 'P
1-A2'>  10:50:23 08/12/21\n", ' 443 41e2 6114e0cf f740\n', 'Method         inj# 1
10:50:23 08/12/21\n', ' 3bf 41e2 6114e0cf     0\n', 'Method        Instrument running
sample from location P1-A2  10:50:23 08/12/21\n', '   70 1daf 6114e0f1     0\n', 'G131
5C      1 G1315C:DE63055907 - Run                      10:50:57 08/12/21\n', '   70
1dac 6114e1e1     0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
10:54:57 08/12/21\n', '   70 1daa 6114e1e2     0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                     10:54:58 08/12/21\n', ' 3bf 41e2 6114e1e4     0\n', 'Metho
d         Instrument run completed                              10:55:00 08/12/21\n', ' 875 4
1e2 6114e1e5     0\n', 'Method        Saving Method SAA_411_Pac.M                       1
0:55:01 08/12/21\n', ' 875 41e2 6114e1e5     0\n', 'Method        Saving Method RUN.M
10:55:01 08/12/21\n', '   70 41e0 6114e1e5     0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--005.D           10:55:01 08/12/21\n', ' 875 41e2 6114e1e6     0\n', 'Meth
od         Saving Method DA.M                                    10:55:02 08/12/21\n', '   70
41e0 6114e1e6     0\n', 'CP Macro      Report could not be created.
10:55:02 08/12/21\n', ' 3bf 41e2 6114e1e6     0\n', 'Method        Method completed
10:55:02 08/12/21\n', ' 443 41e2 61163284     0\n', "Method        Method started:  li
ne# 5 at location 'P1-A2'>  10:51:16 08/13/21\n", ' 443 41e2 61163284     0\n', 'Meth
od         inj# 1                                      10:51:16 08/13/21\n', '   70
41e0 61163285     0\n', 'CP Macro      Analyzing rawdata 210812_Pac--005.D
10:51:17 08/13/21\n', ' 875 41e2 61163285     0\n', 'Method        Saving Method DA.M
10:51:17 08/13/21\n', '   70 41e0 61163286     0\n', 'CP Macro      Report could not be
created.                     10:51:18 08/13/21\n', ' 3bf 41e2 61163286     0\n', 'Metho
d         Method completed                              10:51:18 08/13/21\n', ' 443 4
1e2 61163471    50\n', "Method        Method started:  line# 5 at location 'P1-A2'>  1
0:59:29 08/13/21\n", ' 443 41e2 61163471    50\n', 'Method         inj# 1
10:59:29 08/13/21\n', '   70 41e0 61163472     0\n', 'CP Macro      Analyzing rawdata 2
```

```
10812_Pac--005.D            10:59:30 08/13/21\n', ' 875 41e2 61163472    0\n', 'Meth
od     Saving Method DA.M                              10:59:30 08/13/21\n', '  70
41e0 61163473    0\n', 'CP Macro     Report could not be created.
10:59:31 08/13/21\n', ' 3bf 41e2 61163473    0\n', 'Method      Method completed
10:59:31 08/13/21\n']
```
Sample - 210812_Pac--005 :
start date : 10:59:29 08/13/21
end date : 10:59:31 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs
```
[' 443 41e2 6114e1e6 d3a4\n', "Method      Method started:  line# 6 at location 'P
1-A1'>  10:55:02 08/12/21\n", ' 443 41e2 6114e1e6 d3a4\n', 'Method      inj# 1
10:55:02 08/12/21\n', ' 3bf 41e2 6114e1e8    0\n', 'Method      Instrument running
a blank run                   10:55:04 08/12/21\n', '  70 1daf 6114e208    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                       10:55:36 08/12/21\n', '  70
1dac 6114e2f8    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
10:59:36 08/12/21\n', '  70 1dae 6114e2f8    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                   10:59:36 08/12/21\n', ' 3bf 41e2 6114e2fb    0\n', 'Metho
d      Instrument run completed                   10:59:39 08/12/21\n', ' 875 4
1e2 6114e2fc    0\n', 'Method      Saving Method SAA_411_Pac.M                   1
0:59:40 08/12/21\n', ' 875 41e2 6114e2fc    0\n', 'Method      Saving Method RUN.M
10:59:40 08/12/21\n', '  70 41e0 6114e2fc    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--006.D            10:59:40 08/12/21\n', ' 875 41e2 6114e2fd    0\n', 'Meth
od     Saving Method DA.M                              10:59:41 08/12/21\n', '  70
41e0 6114e2fd    0\n', 'CP Macro     Report could not be created.
10:59:41 08/12/21\n', ' 3bf 41e2 6114e2fd    0\n', 'Method      Method completed
10:59:41 08/12/21\n', ' 443 41e2 61163286 d000\n', "Method      Method started:  li
ne# 6 at location 'P1-A1'>  10:51:18 08/13/21\n", ' 443 41e2 61163286 d000\n', 'Meth
od     inj# 1                              10:51:18 08/13/21\n', '  70
41e0 61163287    0\n', 'CP Macro     Analyzing rawdata 210812_Pac--006.D
10:51:19 08/13/21\n', ' 875 41e2 61163287    0\n', 'Method      Saving Method DA.M
10:51:19 08/13/21\n', '  70 41e0 61163288    0\n', 'CP Macro     Report could not be
created.                   10:51:20 08/13/21\n', ' 3bf 41e2 61163288    0\n', 'Metho
d      Method completed                              10:51:20 08/13/21\n', ' 443 4
1e2 61163473 d000\n', "Method      Method started:  line# 6 at location 'P1-A1'>  1
0:59:31 08/13/21\n", ' 443 41e2 61163473 d000\n', 'Method      inj# 1
10:59:31 08/13/21\n', '  70 41e0 61163474    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--006.D            10:59:32 08/13/21\n', ' 875 41e2 61163474    0\n', 'Meth
od     Saving Method DA.M                              10:59:32 08/13/21\n', '  70
41e0 61163475    0\n', 'CP Macro     Report could not be created.
10:59:33 08/13/21\n', ' 3bf 41e2 61163475    0\n', 'Method      Method completed
10:59:33 08/13/21\n']
```
Sample - 006-blank :
start date : 10:59:31 08/13/21
end date : 10:59:33 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 1
Times started(in event of fault) : 3

```
This files logs
[' 443 41e2 6114e2fd de9c\n', "Method        Method started:  line# 7 at location 'P
1-B1'>  10:59:41 08/12/21\n", ' 443 41e2 6114e2fd de9c\n', 'Method        inj# 1
10:59:41 08/12/21\n', ' 3bf 41e2 6114e2ff    0\n', 'Method        Instrument running
sample from location P1-B1  10:59:43 08/12/21\n', '  70 1daf 6114e31f    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                       11:00:15 08/12/21\n', '  70
1dac 6114e40f    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:04:15 08/12/21\n', '  70 1dae 6114e40f    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                    11:04:15 08/12/21\n', ' 3bf 41e2 6114e412    0\n', 'Metho
d        Instrument run completed                      11:04:18 08/12/21\n', ' 875 4
1e2 6114e413    0\n', 'Method        Saving Method SAA_411_Pac.M                   1
1:04:19 08/12/21\n', ' 875 41e2 6114e413    0\n', 'Method        Saving Method RUN.M
11:04:19 08/12/21\n', '  70 41e0 6114e413    0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--007.D           11:04:19 08/12/21\n', ' 875 41e2 6114e413    0\n', 'Meth
od        Saving Method DA.M                           11:04:19 08/12/21\n', '  70
41e0 6114e414    0\n', 'CP Macro      Report could not be created.
11:04:20 08/12/21\n', ' 3bf 41e2 6114e414    0\n', 'Method        Method completed
11:04:20 08/12/21\n', ' 443 41e2 61163288 d000\n', "Method        Method started:  li
ne# 7 at location 'P1-B1'>  10:51:20 08/13/21\n", ' 443 41e2 61163288 d000\n', 'Meth
od        inj# 1                                       10:51:20 08/13/21\n', '  70
41e0 61163288    0\n', 'CP Macro      Analyzing rawdata 210812_Pac--007.D
10:51:20 08/13/21\n', ' 875 41e2 61163289    0\n', 'Method        Saving Method DA.M
10:51:21 08/13/21\n', '  70 41e0 61163289    0\n', 'CP Macro      Report could not be
created.                   10:51:21 08/13/21\n', ' 3bf 41e2 6116328a    0\n', 'Metho
d        Method completed                              10:51:22 08/13/21\n', ' 443 4
1e2 61163475   50\n', "Method        Method started:  line# 7 at location 'P1-B1'>  1
0:59:33 08/13/21\n", ' 443 41e2 61163475   50\n', 'Method        inj# 1
10:59:33 08/13/21\n', '  70 41e0 61163475    0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--007.D           10:59:33 08/13/21\n', ' 875 41e2 61163476    0\n', 'Meth
od        Saving Method DA.M                           10:59:34 08/13/21\n', '  70
41e0 61163476    0\n', 'CP Macro      Report could not be created.
10:59:34 08/13/21\n', ' 3bf 41e2 61163476    0\n', 'Method        Method completed
10:59:34 08/13/21\n']
Sample - 210812_Pac--007 :
start date : 10:59:33 08/13/21
end date : 10:59:34 08/13/21
runtime : 1

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 1
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114e414 474c\n', "Method        Method started:  line# 8 at location 'P
1-A1'>  11:04:20 08/12/21\n", ' 443 41e2 6114e414 474c\n', 'Method        inj# 1
11:04:20 08/12/21\n', ' 3bf 41e2 6114e416    0\n', 'Method        Instrument running
a blank run                11:04:22 08/12/21\n', '  70 1daf 6114e436    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                       11:04:54 08/12/21\n', '  70
1dac 6114e526    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:08:54 08/12/21\n', '  70 1dae 6114e526    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                    11:08:54 08/12/21\n', ' 3bf 41e2 6114e529    0\n', 'Metho
d        Instrument run completed                      11:08:57 08/12/21\n', ' 875 4
1e2 6114e52a    0\n', 'Method        Saving Method SAA_411_Pac.M                   1
1:08:58 08/12/21\n', ' 875 41e2 6114e52a    0\n', 'Method        Saving Method RUN.M
11:08:58 08/12/21\n', '  70 41e0 6114e52a    0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--008.D           11:08:58 08/12/21\n', ' 875 41e2 6114e52a    0\n', 'Meth
```

```
od        Saving Method DA.M                                      11:08:58 08/12/21\n', '   70
41e0 6114e52a    0\n', 'CP Macro     Report could not be created.
11:08:58 08/12/21\n', '  3bf 41e2 6114e52b    0\n', 'Method        Method completed
11:08:59 08/12/21\n', '  443 41e2 6116328a    0\n', "Method        Method started:  li
ne# 8 at location 'P1-A1'>  10:51:22 08/13/21\n", '  443 41e2 6116328a    0\n', 'Meth
od        inj# 1                                              10:51:22 08/13/21\n', '   70
41e0 6116328a    0\n', 'CP Macro     Analyzing rawdata 210812_Pac--008.D
10:51:22 08/13/21\n', '  875 41e2 6116328b    0\n', 'Method        Saving Method DA.M
10:51:23 08/13/21\n', '   70 41e0 6116328b    0\n', 'CP Macro     Report could not be
created.                          10:51:23 08/13/21\n', '  3bf 41e2 6116328c    0\n', 'Metho
d        Method completed                                     10:51:24 08/13/21\n', '  443 4
1e2 61163477   50\n', "Method        Method started:  line# 8 at location 'P1-A1'>  1
0:59:35 08/13/21\n", '  443 41e2 61163477   50\n', 'Method        inj# 1
10:59:35 08/13/21\n', '   70 41e0 61163477    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--008.D            10:59:35 08/13/21\n', '  875 41e2 61163477    0\n', 'Meth
od        Saving Method DA.M                                      10:59:35 08/13/21\n', '   70
41e0 61163478    0\n', 'CP Macro     Report could not be created.
10:59:36 08/13/21\n', '  3bf 41e2 61163478    0\n', 'Method        Method completed
10:59:36 08/13/21\n']
Sample - 008-blank :
start date : 10:59:35 08/13/21
end date : 10:59:36 08/13/21
runtime : 1

Runtime this run(seconds) : 278
Runtime this run(seconds) : 1
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114e52b de9c\n', "Method        Method started:  line# 9 at location 'P
1-B2'>  11:08:59 08/12/21\n", '  443 41e2 6114e52b de9c\n', 'Method        inj# 1
11:08:59 08/12/21\n', '  3bf 41e2 6114e52b    0\n', 'Method        Instrument running
sample from location P1-B2  11:08:59 08/12/21\n', '   70 1daf 6114e54c    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                          11:09:32 08/12/21\n', '   70
1dac 6114e63c    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:13:32 08/12/21\n', '   70 1dae 6114e63c    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                       11:13:32 08/12/21\n', '   70 1daa 6114e63d    0\n', 'G1316
B      1 G1316B:DE60555985 - Postrun                          11:13:33 08/12/21\n', '  3bf 4
1e2 6114e63f    0\n', 'Method        Instrument run completed                       1
1:13:35 08/12/21\n', '  875 41e2 6114e640    0\n', 'Method        Saving Method SAA_41
1_Pac.M                   11:13:36 08/12/21\n', '  875 41e2 6114e640    0\n', 'Metho
d        Saving Method RUN.M                                      11:13:36 08/12/21\n', '   70 4
1e0 6114e640    0\n', 'CP Macro     Analyzing rawdata 210812_Pac--009.D        1
1:13:36 08/12/21\n', '  875 41e2 6114e641    0\n', 'Method        Saving Method DA.M
11:13:37 08/12/21\n', '   70 41e0 6114e641    0\n', 'CP Macro     Report could not be
created.                  11:13:37 08/12/21\n', '  3bf 41e2 6114e641    0\n', 'Metho
d        Method completed                                     11:13:37 08/12/21\n', '  443 4
1e2 6116328c   50\n', "Method        Method started:  line# 9 at location 'P1-B2'>  1
0:51:24 08/13/21\n", '  443 41e2 6116328c   50\n', 'Method        inj# 1
10:51:24 08/13/21\n', '   70 41e0 6116328c    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--009.D            10:51:24 08/13/21\n', '  875 41e2 6116328d    0\n', 'Meth
od        Saving Method DA.M                                      10:51:25 08/13/21\n', '   70
41e0 6116328d    0\n', 'CP Macro     Report could not be created.
10:51:25 08/13/21\n', '  3bf 41e2 6116328d    0\n', 'Method        Method completed
10:51:25 08/13/21\n', '  443 41e2 61163478 d000\n', "Method        Method started:  li
ne# 9 at location 'P1-B2'>  10:59:36 08/13/21\n", '  443 41e2 61163478 d000\n', 'Meth
```

od   inj# 1   10:59:36 08/13/21\n', ' 70
41e0 61163479   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--009.D
10:59:37 08/13/21\n', ' 875 41e2 61163479   0\n', 'Method   Saving Method DA.M
10:59:37 08/13/21\n', ' 70 41e0 6116347a   0\n', 'CP Macro   Report could not be
created.   10:59:38 08/13/21\n', ' 3bf 41e2 6116347a   0\n', 'Metho
d   Method completed   10:59:38 08/13/21\n']
Sample - 210812_Pac--009 :
start date : 10:59:36 08/13/21
end date : 10:59:38 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114e641   0\n', "Method   Method started: line# 10 at location 'P
1-B3> 11:13:37 08/12/21\n", ' 443 41e2 6114e641   0\n', "Method   ' inj# 1
11:13:37 08/12/21\n", ' 3bf 41e2 6114e641   0\n', 'Method   Instrument running
sample from location P1-B3 11:13:37 08/12/21\n', ' 70 1dac 6114e663   0\n', 'G711
0B   1 G7110B:DEAEH01167 - Run   11:14:11 08/12/21\n', ' 70
1dac 6114e753   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun
11:18:11 08/12/21\n', ' 70 1dae 6114e754   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   11:18:12 08/12/21\n', ' 70 1daa 6114e754   0\n', 'G1316
B   1 G1316B:DE60555985 - Postrun   11:18:12 08/12/21\n', ' 3bf 4
1e2 6114e756   0\n', 'Method   Instrument run completed   1
1:18:14 08/12/21\n', ' 875 41e2 6114e757   0\n', 'Method   Saving Method SAA_41
1_Pac.M   11:18:15 08/12/21\n', ' 875 41e2 6114e757   0\n', 'Metho
d   Saving Method RUN.M   11:18:15 08/12/21\n', ' 70 4
1e0 6114e757   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--010.D   1
1:18:15 08/12/21\n', ' 875 41e2 6114e758   0\n', 'Method   Saving Method DA.M
11:18:16 08/12/21\n', ' 70 41e0 6114e758   0\n', 'CP Macro   Report could not be
created.   11:18:16 08/12/21\n', ' 3bf 41e2 6114e758   0\n', 'Metho
d   Method completed   11:18:16 08/12/21\n', ' 443 4
1e2 6116328d   0\n', "Method   Method started: line# 10 at location 'P1-B3> 1
0:51:25 08/13/21\n", ' 443 41e2 6116328d   0\n', "Method   ' inj# 1
10:51:25 08/13/21\n", ' 70 41e0 6116328e   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--010.D   10:51:26 08/13/21\n', ' 875 41e2 6116328e   0\n', 'Meth
od   Saving Method DA.M   10:51:26 08/13/21\n', ' 70
41e0 6116328f   0\n', 'CP Macro   Report could not be created.
10:51:27 08/13/21\n', ' 3bf 41e2 6116328f   0\n', 'Method   Method completed
10:51:27 08/13/21\n', ' 443 41e2 6116347a   50\n', "Method   Method started: li
ne# 10 at location 'P1-B3> 10:59:38 08/13/21\n", ' 443 41e2 6116347a   50\n', "Meth
od   ' inj# 1   10:59:38 08/13/21\n", ' 70
41e0 6116347a   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--010.D
10:59:38 08/13/21\n', ' 875 41e2 6116347b   0\n', 'Method   Saving Method DA.M
10:59:39 08/13/21\n', ' 70 41e0 6116347b   0\n', 'CP Macro   Report could not be
created.   10:59:39 08/13/21\n', ' 3bf 41e2 6116347c   0\n', 'Metho
d   Method completed   10:59:40 08/13/21\n']
Sample - 210812_Pac--010 :
start date : 10:59:38 08/13/21
end date : 10:59:40 08/13/21
runtime : 2

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2

```
Runtime this run(seconds) : 1
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114e758 d3a4\n', "Method       Method started:  line# 11 at location 'P
1-B4>  11:18:16 08/12/21\n", ' 443 41e2 6114e758 d3a4\n', "Method       ' inj# 1
11:18:16 08/12/21\n", ' 3bf 41e2 6114e759    0\n', 'Method       Instrument running
sample from location P1-B4  11:18:17 08/12/21\n', '  70 1dac 6114e77a    0\n', 'G711
0B      1 G7110B:DEAEH01167 - Run                          11:18:50 08/12/21\n', '  70
1dac 6114e86a    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:22:50 08/12/21\n', '  70 1dae 6114e86a    0\n', 'G7116B      2 G7116B:DEBAZ03738 -
Postrun                     11:22:50 08/12/21\n', ' 3bf 41e2 6114e86d    0\n', 'Metho
d       Instrument run completed                        11:22:53 08/12/21\n', ' 875 4
1e2 6114e86e    0\n', 'Method       Saving Method SAA_411_Pac.M                   1
1:22:54 08/12/21\n', ' 875 41e2 6114e86e    0\n', 'Method       Saving Method RUN.M
11:22:54 08/12/21\n', '  70 41e0 6114e86e    0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--011.D            11:22:54 08/12/21\n', ' 875 41e2 6114e86f    0\n', 'Meth
od       Saving Method DA.M                             11:22:55 08/12/21\n', '  70
41e0 6114e86f    0\n', 'CP Macro      Report could not be created.
11:22:55 08/12/21\n', ' 3bf 41e2 6114e86f    0\n', 'Method       Method completed
11:22:55 08/12/21\n', ' 443 41e2 6116328f dd0c\n', "Method       Method started:  li
ne# 11 at location 'P1-B4>  10:51:27 08/13/21\n", ' 443 41e2 6116328f dd0c\n', "Meth
od       ' inj# 1                              10:51:27 08/13/21\n", '  70
41e0 61163290    0\n', 'CP Macro      Analyzing rawdata 210812_Pac--011.D
10:51:28 08/13/21\n', ' 875 41e2 61163290    0\n', 'Method       Saving Method DA.M
10:51:28 08/13/21\n', '  70 41e0 61163291    0\n', 'CP Macro      Report could not be
created.                     10:51:29 08/13/21\n', ' 3bf 41e2 61163291    0\n', 'Metho
d       Method completed                               10:51:29 08/13/21\n', ' 443 4
1e2 6116347c   50\n', "Method       Method started:  line# 11 at location 'P1-B4>  1
0:59:40 08/13/21\n", ' 443 41e2 6116347c   50\n', "Method       ' inj# 1
10:59:40 08/13/21\n", '  70 41e0 6116347c    0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--011.D            10:59:40 08/13/21\n', ' 875 41e2 6116347d    0\n', 'Meth
od       Saving Method DA.M                             10:59:41 08/13/21\n', '  70
41e0 6116347d    0\n', 'CP Macro      Report could not be created.
10:59:41 08/13/21\n', ' 3bf 41e2 6116347d    0\n', 'Method       Method completed
10:59:41 08/13/21\n']
Sample - 210812_Pac--011 :
start date : 10:59:40 08/13/21
end date : 10:59:41 08/13/21
runtime : 1

Runtime this run(seconds) : 279
Runtime this run(seconds) : 2
Runtime this run(seconds) : 1
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114e86f    0\n', "Method       Method started:  line# 12 at location 'P
1-A1>  11:22:55 08/12/21\n", ' 443 41e2 6114e86f    0\n', "Method       ' inj# 1
11:22:55 08/12/21\n", ' 3bf 41e2 6114e871    0\n', 'Method       Instrument running
a blank run                  11:22:57 08/12/21\n', '  70 1daf 6114e891    0\n', 'G131
5C      1 G1315C:DE63055907 - Run                        11:23:29 08/12/21\n', '  70
1dac 6114e981    0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun
11:27:29 08/12/21\n', '  70 1daa 6114e981    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                     11:27:29 08/12/21\n', ' 3bf 41e2 6114e984    0\n', 'Metho
d       Instrument run completed                        11:27:32 08/12/21\n', ' 875 4
1e2 6114e985    0\n', 'Method       Saving Method SAA_411_Pac.M                   1
1:27:33 08/12/21\n', ' 875 41e2 6114e985    0\n', 'Method       Saving Method RUN.M
```

```
11:27:33 08/12/21\n', '  70 41e0 6114e985    0\n', 'CP Macro    Analyzing rawdata 2
10812_Pac--012.D            11:27:33 08/12/21\n', ' 875 41e2 6114e985    0\n', 'Meth
od       Saving Method DA.M                          11:27:33 08/12/21\n', '  70
41e0 6114e986   0\n', 'CP Macro    Report could not be created.
11:27:34 08/12/21\n', ' 3bf 41e2 6114e986    0\n', 'Method       Method completed
11:27:34 08/12/21\n', ' 443 41e2 61163291    0\n', "Method      Method started:  li
ne# 12 at location 'P1-A1>  10:51:29 08/13/21\n", ' 443 41e2 61163291    0\n', "Meth
od       ' inj# 1                                    10:51:29 08/13/21\n", '  70
41e0 61163291   0\n', 'CP Macro    Analyzing rawdata 210812_Pac--012.D
10:51:29 08/13/21\n', ' 875 41e2 61163292    0\n', 'Method       Saving Method DA.M
10:51:30 08/13/21\n', '  70 41e0 61163292    0\n', 'CP Macro    Report could not be
created.                   10:51:30 08/13/21\n', ' 3bf 41e2 61163293    0\n', 'Metho
d       Method completed                             10:51:31 08/13/21\n', ' 443 4
1e2 6116347e    0\n', "Method      Method started:  line# 12 at location 'P1-A1>  1
0:59:42 08/13/21\n", ' 443 41e2 6116347e    0\n', "Method         ' inj# 1
10:59:42 08/13/21\n", '  70 41e0 6116347e    0\n', 'CP Macro    Analyzing rawdata 2
10812_Pac--012.D            10:59:42 08/13/21\n', ' 875 41e2 6116347e    0\n', 'Meth
od       Saving Method DA.M                          10:59:42 08/13/21\n', '  70
41e0 6116347f   0\n', 'CP Macro    Report could not be created.
10:59:43 08/13/21\n', ' 3bf 41e2 6116347f    0\n', 'Method       Method completed
10:59:43 08/13/21\n']
Sample - 012-blank :
start date : 10:59:42 08/13/21
end date : 10:59:43 08/13/21
runtime : 1

Runtime this run(seconds) : 279
Runtime this run(seconds) : 1
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114e986 de9c\n', "Method       Method started:  line# 13 at location 'P
1-B1>  11:27:34 08/12/21\n", ' 443 41e2 6114e986 de9c\n', "Method        ' inj# 1
11:27:34 08/12/21\n", ' 3bf 41e2 6114e986    0\n', 'Method       Instrument running
sample from location P1-B1  11:27:34 08/12/21\n', '  70 1daf 6114e9a8    0\n', 'G131
5C     1 G1315C:DE63055907 - Run                     11:28:08 08/12/21\n', '  70
1dac 6114ea98   0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:32:08 08/12/21\n', '  70 1dae 6114ea98    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                    11:32:08 08/12/21\n', ' 3bf 41e2 6114ea9b    0\n', 'Metho
d       Instrument run completed                     11:32:11 08/12/21\n', ' 875 4
1e2 6114ea9b    0\n', 'Method       Saving Method SAA_411_Pac.M              1
1:32:11 08/12/21\n', ' 875 41e2 6114ea9c    0\n', 'Method       Saving Method RUN.M
11:32:12 08/12/21\n', '  70 41e0 6114ea9c    0\n', 'CP Macro    Analyzing rawdata 2
10812_Pac--013.D            11:32:12 08/12/21\n', ' 875 41e2 6114ea9c    0\n', 'Meth
od       Saving Method DA.M                          11:32:12 08/12/21\n', '  70
41e0 6114ea9c   0\n', 'CP Macro    Report could not be created.
11:32:12 08/12/21\n', ' 3bf 41e2 6114ea9d    0\n', 'Method       Method completed
11:32:13 08/12/21\n', ' 443 41e2 61163293   50\n', "Method      Method started:  li
ne# 13 at location 'P1-B1>  10:51:31 08/13/21\n", ' 443 41e2 61163293   50\n', "Meth
od       ' inj# 1                                    10:51:31 08/13/21\n", '  70
41e0 61163293   0\n', 'CP Macro    Analyzing rawdata 210812_Pac--013.D
10:51:31 08/13/21\n', ' 875 41e2 61163294    0\n', 'Method       Saving Method DA.M
10:51:32 08/13/21\n', '  70 41e0 61163294    0\n', 'CP Macro    Report could not be
created.                   10:51:32 08/13/21\n', ' 3bf 41e2 61163294    0\n', 'Metho
d       Method completed                             10:51:32 08/13/21\n', ' 443 4
1e2 6116347f    0\n', "Method      Method started:  line# 13 at location 'P1-B1>  1
```

```
0:59:43 08/13/21\n", ' 443 41e2 6116347f    0\n', "Method       ' inj# 1
10:59:43 08/13/21\n", '  70 41e0 61163480    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--013.D              10:59:44 08/13/21\n', ' 875 41e2 61163480    0\n', 'Meth
od       Saving Method DA.M                                  10:59:44 08/13/21\n', '  70
41e0 61163481    0\n', 'CP Macro     Report could not be created.
10:59:45 08/13/21\n', ' 3bf 41e2 61163481    0\n', 'Method       Method completed
10:59:45 08/13/21\n']
Sample - 210812_Pac--013 :
start date : 10:59:43 08/13/21
end date : 10:59:45 08/13/21
runtime : 2

Runtime this run(seconds) : 278
Runtime this run(seconds) : 1
Runtime this run(seconds) : 2
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114ea9d 474c\n', "Method       Method started:  line# 14 at location 'P
1-A1>  11:32:13 08/12/21\n", ' 443 41e2 6114ea9d 474c\n', "Method       ' inj# 1
11:32:13 08/12/21\n", ' 3bf 41e2 6114ea9e    0\n', 'Method       Instrument running
a blank run                11:32:14 08/12/21\n', '  70 1dac 6114eabe    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Run                           11:32:46 08/12/21\n', '  70
1dac 6114ebaf    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun
11:36:47 08/12/21\n', ' 3bf 41e2 6114ebb1    0\n', 'Method       Instrument run comp
leted                        11:36:49 08/12/21\n', ' 875 41e2 6114ebb2    0\n', 'Meth
od       Saving Method SAA_411_Pac.M                       11:36:50 08/12/21\n', ' 875
41e2 6114ebb2    0\n', 'Method       Saving Method RUN.M
11:36:50 08/12/21\n', '  70 41e0 6114ebb3    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--014.D          11:36:51 08/12/21\n', ' 875 41e2 6114ebb3    0\n', 'Meth
od       Saving Method DA.M                              11:36:51 08/12/21\n', '  70
41e0 6114ebb3    0\n', 'CP Macro     Report could not be created.
11:36:51 08/12/21\n', ' 3bf 41e2 6114ebb3    0\n', 'Method       Method completed
11:36:51 08/12/21\n', ' 443 41e2 61163295    0\n', "Method       Method started:  li
ne# 14 at location 'P1-A1>  10:51:33 08/13/21\n", ' 443 41e2 61163295    0\n', "Meth
od       ' inj# 1                                  10:51:33 08/13/21\n", '  70
41e0 61163295    0\n', 'CP Macro     Analyzing rawdata 210812_Pac--014.D
10:51:33 08/13/21\n', ' 875 41e2 61163296    0\n', 'Method       Saving Method DA.M
10:51:34 08/13/21\n', '  70 41e0 61163296    0\n', 'CP Macro     Report could not be
created.               10:51:34 08/13/21\n', ' 3bf 41e2 61163296    0\n', 'Metho
d       Method completed                            10:51:34 08/13/21\n', ' 443 4
1e2 61163481    0\n', "Method       Method started:  line# 14 at location 'P1-A1>  1
0:59:45 08/13/21\n", ' 443 41e2 61163481    0\n', "Method       ' inj# 1
10:59:45 08/13/21\n", '  70 41e0 61163482    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--014.D              10:59:46 08/13/21\n', ' 875 41e2 61163482    0\n', 'Meth
od       Saving Method DA.M                              10:59:46 08/13/21\n', '  70
41e0 61163483    0\n', 'CP Macro     Report could not be created.
10:59:47 08/13/21\n', ' 3bf 41e2 61163483    0\n', 'Method       Method completed
10:59:47 08/13/21\n']
Sample - 014-blank :
start date : 10:59:45 08/13/21
end date : 10:59:47 08/13/21
runtime : 2

Runtime this run(seconds) : 374
Runtime this run(seconds) : 2
Runtime this run(seconds) : 2
```

```
Times started(in event of fault) : 3
This files logs
[' 443 41e2 6114dc14   17\n', "Method        Method started:  line# 1 at location 'P
1-A1'>  10:30:12 08/12/21\n", ' 443 41e2 6114dc14   17\n', 'Method        inj# 1
10:30:12 08/12/21\n', ' 3bf 41e2 6114dc14    0\n', 'Method        Instrument running
a blank run                 10:30:12 08/12/21\n', '  70 1dac 6114dc14    0\n', 'G711
0B      1 G7110B:DEAEH01167 - Pump on                     10:30:12 08/12/21\n', '  70
1dad 6114dc16    0\n', 'G1312B     2 G1312B:DE63056112 - Pump on
10:30:14 08/12/21\n', '  70 1daf 6114dc1d    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Idle              10:30:21 08/12/21\n', '  70 1dac 6114dc94    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Run                       10:32:20 08/12/21\n', '  70 1
dac 6114dd85    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun               1
0:36:21 08/12/21\n', '  70 1dae 6114dd85    0\n', 'G7116B     2 G7116B:DEBAZ03738 -
Postrun                 10:36:21 08/12/21\n', ' 3bf 41e2 6114dd88    0\n', 'Metho
d       Instrument run completed                   10:36:24 08/12/21\n', ' 875 4
1e2 6114dd89    0\n', 'Method        Saving Method SAA_411_Pac.M                 1
0:36:25 08/12/21\n', ' 875 41e2 6114dd89    0\n', 'Method        Saving Method RUN.M
10:36:25 08/12/21\n', '  70 41e0 6114dd89    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac.D                 10:36:25 08/12/21\n', ' 875 41e2 6114dd89    0\n', 'Meth
od       Saving Method DA.M                       10:36:25 08/12/21\n', '  70
41e0 6114dd8a    0\n', 'CP Macro     Report could not be created.
10:36:26 08/12/21\n', ' 3bf 41e2 6114dd8a    0\n', 'Method        Method completed
10:36:26 08/12/21\n', ' 443 41e2 6116327d    0\n', "Method        Method started:  li
ne# 1 at location 'P1-A1'>  10:51:09 08/13/21\n", ' 443 41e2 6116327d    0\n', 'Meth
od       inj# 1                             10:51:09 08/13/21\n', '  70
41e0 6116327e    0\n', 'CP Macro     Analyzing rawdata 210812_Pac.D
10:51:10 08/13/21\n', ' 875 41e2 6116327e    0\n', 'Method        Saving Method DA.M
10:51:10 08/13/21\n', '  70 41e0 6116327f    0\n', 'CP Macro     Report could not be
created.                 10:51:11 08/13/21\n', ' 3bf 41e2 6116327f    0\n', 'Metho
d       Method completed                       10:51:11 08/13/21\n', ' 443 4
1e2 6116346a    0\n', "Method        Method started:  line# 1 at location 'P1-A1'>  1
0:59:22 08/13/21\n", ' 443 41e2 6116346a    0\n', 'Method        inj# 1
10:59:22 08/13/21\n', '  70 41e0 6116346b    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac.D                 10:59:23 08/13/21\n', ' 875 41e2 6116346b    0\n', 'Meth
od       Saving Method DA.M                       10:59:23 08/13/21\n', '  70
41e0 6116346c    0\n', 'CP Macro     Report could not be created.
10:59:24 08/13/21\n', ' 3bf 41e2 6116346c    0\n', 'Method        Method completed
10:59:24 08/13/21\n']
Sample - 001-blank :
start date : 10:59:22 08/13/21
end date : 10:59:24 08/13/21
runtime : 2

Runtime this run(seconds) : 163
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d3ce 474c\n', "Method        Method started:  line# 2 at location 'P
1-A1'>  09:54:54 08/12/21\n", ' 443 41e2 6114d3ce 474c\n', 'Method        inj# 2
09:54:54 08/12/21\n', ' 3bf 41e2 6114d3cf    0\n', 'Method        Instrument running
a blank run                 09:54:55 08/12/21\n', '  70 1daf 6114d3d1    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare        09:54:57 08/12/21\n', '  70
1daf 6114d3d6    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle
09:55:02 08/12/21\n', '  70 1daf 6114d3ef    0\n', 'G1315C     1 G1315C:DE63055907 -
Run                 09:55:27 08/12/21\n', '  70 1dac 6114d46d    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                     09:57:33 08/12/21\n', '  70 1
dae 6114d46d    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun               0
```

9:57:33 08/12/21\n', ' 70 1daa 6114d46e   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   09:57:34 08/12/21\n', ' 3bf 41e2 6114d46f   0\n', 'Metho
d   Instrument run completed   09:57:35 08/12/21\n', ' 875 4
1e2 6114d46f   0\n', 'Method   Saving Method SAA_411_Gem.M   0
9:57:35 08/12/21\n', ' 875 41e2 6114d470   0\n', 'Method   Saving Method RUN.M
09:57:36 08/12/21\n', ' 70 41e0 6114d470   0\n', 'CP Macro   Analyzing rawdata 2
10812_Gem--002.D   09:57:36 08/12/21\n', ' 875 41e2 6114d470   0\n', 'Meth
od   Saving Method DA.M   09:57:36 08/12/21\n', ' 70
41e0 6114d471   0\n', 'CP Macro   Report could not be created.
09:57:37 08/12/21\n', ' 3bf 41e2 6114d471   0\n', 'Method   Method completed
09:57:37 08/12/21\n']
Sample - 002-blank :
start date : 09:54:54 08/12/21
end date : 09:57:37 08/12/21
runtime : 163

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d471 de9c\n', "Method   Method started: line# 3 at location 'P
1-A1'> 09:57:37 08/12/21\n", ' 443 41e2 6114d471 de9c\n', 'Method   inj# 3
09:57:37 08/12/21\n', ' 3bf 41e2 6114d471   0\n', 'Method   Instrument running
a blank run   09:57:37 08/12/21\n', ' 70 1daf 6114d474   0\n', 'G131
5C   1 G1315C:DE63055907 - Detector: Prepare   09:57:40 08/12/21\n', ' 70
1daf 6114d478   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle
09:57:44 08/12/21\n', ' 70 1daf 6114d491   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   09:58:09 08/12/21\n', ' 70 1dac 6114d50f   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:00:15 08/12/21\n', ' 70 1
dae 6114d50f   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:00:15 08/12/21\n', ' 3bf 41e2 6114d511   0\n', 'Method   Instrument run compl
eted   10:00:17 08/12/21\n', ' 875 41e2 6114d512   0\n', 'Metho
d   Saving Method SAA_411_Gem.M   10:00:18 08/12/21\n', ' 875 4
1e2 6114d512   0\n', 'Method   Saving Method RUN.M   1
0:00:18 08/12/21\n', ' 70 41e0 6114d512   0\n', 'CP Macro   Analyzing rawdata 21
0812_Gem--003.D   10:00:18 08/12/21\n', ' 875 41e2 6114d512   0\n', 'Metho
d   Saving Method DA.M   10:00:18 08/12/21\n', ' 70 4
1e0 6114d513   0\n', 'CP Macro   Report could not be created.   1
0:00:19 08/12/21\n', ' 3bf 41e2 6114d513   0\n', 'Method   Method completed
10:00:19 08/12/21\n']
Sample - 003-blank :
start date : 09:57:37 08/12/21
end date : 10:00:19 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d513 de9c\n', "Method   Method started: line# 4 at location 'P
1-A1'> 10:00:19 08/12/21\n", ' 443 41e2 6114d513 de9c\n', 'Method   inj# 4
10:00:19 08/12/21\n', ' 3bf 41e2 6114d513   0\n', 'Method   Instrument running
a blank run   10:00:19 08/12/21\n', ' 70 1daf 6114d516   0\n', 'G131
5C   1 G1315C:DE63055907 - Detector: Prepare   10:00:22 08/12/21\n', ' 70
1daf 6114d51b   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle
10:00:27 08/12/21\n', ' 70 1daf 6114d533   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   10:00:51 08/12/21\n', ' 70 1dac 6114d5b2   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:02:58 08/12/21\n', ' 70 1

dae 6114d5b2   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:02:58 08/12/21\n', ' 3bf 41e2 6114d5b3   0\n', 'Method   Instrument run compl
eted   10:02:59 08/12/21\n', ' 875 41e2 6114d5b4   0\n', 'Metho
d   Saving Method SAA_411_Gem.M   10:03:00 08/12/21\n', ' 875 4
1e2 6114d5b4   0\n', 'Method   Saving Method RUN.M   1
0:03:00 08/12/21\n', ' 70 41e0 6114d5b4   0\n', 'CP Macro   Analyzing rawdata 21
0812_Gem--004.D   10:03:00 08/12/21\n', ' 875 41e2 6114d5b4   0\n', 'Metho
d   Saving Method DA.M   10:03:00 08/12/21\n', ' 70 4
1e0 6114d5b5   0\n', 'CP Macro   Report could not be created.   1
0:03:01 08/12/21\n', ' 3bf 41e2 6114d5b5   0\n', 'Method   Method completed
10:03:01 08/12/21\n']
Sample - 004-blank :
start date : 10:00:19 08/12/21
end date : 10:03:01 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d5b5 d3a4\n', "Method   Method started: line# 5 at location 'P
1-A2'> 10:03:01 08/12/21\n", ' 443 41e2 6114d5b5 d3a4\n', 'Method   inj# 1
10:03:01 08/12/21\n', ' 3bf 41e2 6114d5b5   0\n', 'Method   Instrument running
sample from location P1-A2 10:03:01 08/12/21\n', ' 70 1daf 6114d5b8   0\n', 'G131
5C   1 G1315C:DE63055907 - Detector: Prepare   10:03:04 08/12/21\n', ' 70
1daf 6114d5bd   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle
10:03:09 08/12/21\n', ' 70 1daf 6114d5d5   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   10:03:33 08/12/21\n', ' 70 1dac 6114d654   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:05:40 08/12/21\n', ' 70 1
dae 6114d654   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:05:40 08/12/21\n', ' 3bf 41e2 6114d655   0\n', 'Method   Instrument run compl
eted   10:05:41 08/12/21\n', ' 875 41e2 6114d656   0\n', 'Metho
d   Saving Method SAA_411_Gem.M   10:05:42 08/12/21\n', ' 875 4
1e2 6114d656   0\n', 'Method   Saving Method RUN.M   1
0:05:42 08/12/21\n', ' 70 41e0 6114d656   0\n', 'CP Macro   Analyzing rawdata 21
0812_Gem--005.D   10:05:42 08/12/21\n', ' 875 41e2 6114d657   0\n', 'Metho
d   Saving Method DA.M   10:05:43 08/12/21\n', ' 70 4
1e0 6114d657   0\n', 'CP Macro   Report could not be created.   1
0:05:43 08/12/21\n', ' 3bf 41e2 6114d657   0\n', 'Method   Method completed
10:05:43 08/12/21\n']
Sample - 210812_Gem--005 :
start date : 10:03:01 08/12/21
end date : 10:05:43 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d657 de9c\n', "Method   Method started: line# 6 at location 'P
1-A1'> 10:05:43 08/12/21\n", ' 443 41e2 6114d657 de9c\n', 'Method   inj# 1
10:05:43 08/12/21\n', ' 3bf 41e2 6114d657   0\n', 'Method   Instrument running
a blank run   10:05:43 08/12/21\n', ' 70 1daf 6114d65a   0\n', 'G131
5C   1 G1315C:DE63055907 - Detector: Prepare   10:05:46 08/12/21\n', ' 70
1daf 6114d65f   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle
10:05:51 08/12/21\n', ' 70 1daf 6114d677   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   10:06:15 08/12/21\n', ' 70 1dac 6114d6f5   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:08:21 08/12/21\n', ' 70 1

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dae 6114d6f6    0\n', 'G7116B    2 G7116B:DEBAZ03738 - Postrun                    1
0:08:22 08/12/21\n', '  70 1daa 6114d6f6    0\n', 'G1316B    1 G1316B:DE60555985 -
Postrun                   10:08:22 08/12/21\n', ' 3bf 41e2 6114d6f7    0\n', 'Metho
d        Instrument run completed                       10:08:23 08/12/21\n', ' 875 4
1e2 6114d6f8    0\n', 'Method        Saving Method SAA_411_Gem.M                   1
0:08:24 08/12/21\n', ' 875 41e2 6114d6f8    0\n', 'Method        Saving Method RUN.M
10:08:24 08/12/21\n', '  70 41e0 6114d6f8    0\n', 'CP Macro      Analyzing rawdata 2
10812_Gem--006.D            10:08:24 08/12/21\n', ' 875 41e2 6114d6f9    0\n', 'Meth
od        Saving Method DA.M                               10:08:25 08/12/21\n', '  70
41e0 6114d6f9    0\n', 'CP Macro      Report could not be created.
10:08:25 08/12/21\n', ' 3bf 41e2 6114d6f9    0\n', 'Method        Method completed
10:08:25 08/12/21\n']
Sample - 006-blank :
start date : 10:05:43 08/12/21
end date : 10:08:25 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d6f9 de9c\n', "Method        Method started:  line# 7 at location 'P
1-A3'>  10:08:25 08/12/21\n", ' 443 41e2 6114d6f9 de9c\n', 'Method        inj# 1
10:08:25 08/12/21\n', ' 3bf 41e2 6114d6fa    0\n', 'Method        Instrument running
sample from location P1-A3  10:08:26 08/12/21\n', '  70 1daf 6114d6fc    0\n', 'G131
5C    1 G1315C:DE63055907 - Detector: Prepare          10:08:28 08/12/21\n', '  70
1daf 6114d701    0\n', 'G1315C    1 G1315C:DE63055907 - Detector: Idle
10:08:33 08/12/21\n', '  70 1dac 6114d719    0\n', 'G7110B    1 G7110B:DEAEH01167 -
Run                   10:08:57 08/12/21\n', '  70 1dac 6114d798    0\n', 'G7110
B    1 G7110B:DEAEH01167 - Postrun                   10:11:04 08/12/21\n', '  70 1
dae 6114d798    0\n', 'G7116B    2 G7116B:DEBAZ03738 - Postrun                    1
0:11:04 08/12/21\n', ' 3bf 41e2 6114d799    0\n', 'Method        Instrument run compl
eted                   10:11:05 08/12/21\n', ' 875 41e2 6114d79a    0\n', 'Metho
d        Saving Method SAA_411_Gem.M                   10:11:06 08/12/21\n', ' 875 4
1e2 6114d79a    0\n', 'Method        Saving Method RUN.M                           1
0:11:06 08/12/21\n', '  70 41e0 6114d79a    0\n', 'CP Macro      Analyzing rawdata 21
0812_Gem--007.D            10:11:06 08/12/21\n', ' 875 41e2 6114d79a    0\n', 'Metho
d        Saving Method DA.M                               10:11:06 08/12/21\n', '  70 4
1e0 6114d79b    0\n', 'CP Macro      Report could not be created.                    1
0:11:07 08/12/21\n', ' 3bf 41e2 6114d79b    0\n', 'Method        Method completed
10:11:07 08/12/21\n']
Sample - 210812_Gem--007 :
start date : 10:08:25 08/12/21
end date : 10:11:07 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d79b d3a4\n', "Method        Method started:  line# 8 at location 'P
1-A1'>  10:11:07 08/12/21\n", ' 443 41e2 6114d79b d3a4\n', 'Method        inj# 1
10:11:07 08/12/21\n', ' 3bf 41e2 6114d79b    0\n', 'Method        Instrument running
a blank run                   10:11:07 08/12/21\n', '  70 1daf 6114d79e    0\n', 'G131
5C    1 G1315C:DE63055907 - Detector: Prepare          10:11:10 08/12/21\n', '  70
1daf 6114d7a3    0\n', 'G1315C    1 G1315C:DE63055907 - Detector: Idle
10:11:15 08/12/21\n', '  70 1dac 6114d7bb    0\n', 'G7110B    1 G7110B:DEAEH01167 -
Run                   10:11:39 08/12/21\n', '  70 1dac 6114d83a    0\n', 'G7110
```

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B     1 G7110B:DEAEH01167 - Postrun                          10:13:46 08/12/21\n', '  70 1
dae 6114d83a    0\n', 'G7116B    2 G7116B:DEBAZ03738 - Postrun                          1
0:13:46 08/12/21\n', ' 3bf 41e2 6114d83b    0\n', 'Method       Instrument run compl
eted                          10:13:47 08/12/21\n', ' 875 41e2 6114d83c    0\n', 'Metho
d       Saving Method SAA_411_Gem.M                          10:13:48 08/12/21\n', ' 875 4
1e2 6114d83c    0\n', 'Method       Saving Method RUN.M                          1
0:13:48 08/12/21\n', '  70 41e0 6114d83c    0\n', 'CP Macro    Analyzing rawdata 21
0812_Gem--008.D              10:13:48 08/12/21\n', ' 875 41e2 6114d83c    0\n', 'Metho
d       Saving Method DA.M                          10:13:48 08/12/21\n', '  70 4
1e0 6114d83d    0\n', 'CP Macro    Report could not be created.                 1
0:13:49 08/12/21\n', ' 3bf 41e2 6114d83d    0\n', 'Method       Method completed
10:13:49 08/12/21\n']
Sample - 008-blank :
start date : 10:11:07 08/12/21
end date : 10:13:49 08/12/21
runtime : 162


Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d83d 474c\n', "Method       Method started:  line# 9 at location 'P
1-A4'>  10:13:49 08/12/21\n", ' 443 41e2 6114d83d 474c\n', 'Method       inj# 1
10:13:49 08/12/21\n', ' 3bf 41e2 6114d83d    0\n', 'Method       Instrument running
sample from location P1-A4  10:13:49 08/12/21\n', '  70 1daf 6114d840    0\n', 'G131
5C    1 G1315C:DE63055907 - Detector: Prepare          10:13:52 08/12/21\n', '  70
1daf 6114d845    0\n', 'G1315C    1 G1315C:DE63055907 - Detector: Idle
10:13:57 08/12/21\n', '  70 1daf 6114d85d    0\n', 'G1315C    1 G1315C:DE63055907 -
Run                       10:14:21 08/12/21\n', '  70 1dac 6114d8dc    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                          10:16:28 08/12/21\n', ' 3bf 4
1e2 6114d8dd    0\n', 'Method       Instrument run completed                 1
0:16:29 08/12/21\n', ' 875 41e2 6114d8de    0\n', 'Method       Saving Method SAA_41
1_Gem.M              10:16:30 08/12/21\n', ' 875 41e2 6114d8de    0\n', 'Metho
d       Saving Method RUN.M                          10:16:30 08/12/21\n', '  70 4
1e0 6114d8de    0\n', 'CP Macro    Analyzing rawdata 210812_Gem--009.D          1
0:16:30 08/12/21\n', ' 875 41e2 6114d8df    0\n', 'Method       Saving Method DA.M
10:16:31 08/12/21\n', '  70 41e0 6114d8df    0\n', 'CP Macro    Report could not be
created.                 10:16:31 08/12/21\n', ' 3bf 41e2 6114d8df    0\n', 'Metho
d       Method completed                          10:16:31 08/12/21\n']
Sample - 210812_Gem--009 :
start date : 10:13:49 08/12/21
end date : 10:16:31 08/12/21
runtime : 162


Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d8df de9c\n', "Method       Method started:  line# 10 at location 'P
1-A5>  10:16:31 08/12/21\n", ' 443 41e2 6114d8df de9c\n', "Method       ' inj# 1
10:16:31 08/12/21\n", ' 3bf 41e2 6114d8df    0\n', 'Method       Instrument running
sample from location P1-A5  10:16:31 08/12/21\n', '  70 1daf 6114d8e3    0\n', 'G131
5C    1 G1315C:DE63055907 - Detector: Prepare          10:16:35 08/12/21\n', '  70
1daf 6114d8e7    0\n', 'G1315C    1 G1315C:DE63055907 - Detector: Idle
10:16:39 08/12/21\n', '  70 1dac 6114d8ff    0\n', 'G7110B    1 G7110B:DEAEH01167 -
Run                       10:17:03 08/12/21\n', '  70 1dac 6114d97e    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                          10:19:10 08/12/21\n', ' 3bf 4
1e2 6114d97f    0\n', 'Method       Instrument run completed                 1
```

```
0:19:11 08/12/21\n', ' 875 41e2 6114d980    0\n', 'Method        Saving Method SAA_41
1_Gem.M                              10:19:12 08/12/21\n', ' 875 41e2 6114d980    0\n', 'Metho
d        Saving Method RUN.M                                    10:19:12 08/12/21\n', '  70 4
1e0 6114d980    0\n', 'CP Macro     Analyzing rawdata 210812_Gem--010.D            1
0:19:12 08/12/21\n', ' 875 41e2 6114d981    0\n', 'Method        Saving Method DA.M
10:19:13 08/12/21\n', '  70 41e0 6114d981    0\n', 'CP Macro     Report could not be
created.                     10:19:13 08/12/21\n', ' 3bf 41e2 6114d981    0\n', 'Metho
d        Method completed                             10:19:13 08/12/21\n']
Sample - 210812_Gem--010 :
start date : 10:16:31 08/12/21
end date : 10:19:13 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d981 474c\n', "Method       Method started:  line# 11 at location 'P
1-A6>  10:19:13 08/12/21\n", ' 443 41e2 6114d981 474c\n', "Method        ' inj# 1
10:19:13 08/12/21\n", ' 3bf 41e2 6114d982    0\n', 'Method        Instrument running
sample from location P1-A6  10:19:14 08/12/21\n', '  70 1daf 6114d985    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare          10:19:17 08/12/21\n', '  70
1daf 6114d989    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
10:19:21 08/12/21\n', '  70 1daf 6114d9a2    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                          10:19:46 08/12/21\n', '  70 1dac 6114da20    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                         10:21:52 08/12/21\n', '  70 1
dae 6114da20    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                     1
0:21:52 08/12/21\n', '  70 1daa 6114da21    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                      10:21:53 08/12/21\n', ' 3bf 41e2 6114da22    0\n', 'Metho
d        Instrument run completed                    10:21:54 08/12/21\n', ' 875 4
1e2 6114da22    0\n', 'Method        Saving Method SAA_411_Gem.M                     1
0:21:54 08/12/21\n', ' 875 41e2 6114da23    0\n', 'Method        Saving Method RUN.M
10:21:55 08/12/21\n', '  70 41e0 6114da23    0\n', 'CP Macro     Analyzing rawdata 2
10812_Gem--011.D              10:21:55 08/12/21\n', ' 875 41e2 6114da23    0\n', 'Meth
od        Saving Method DA.M                              10:21:55 08/12/21\n', '  70
41e0 6114da23    0\n', 'CP Macro     Report could not be created.
10:21:55 08/12/21\n', ' 3bf 41e2 6114da23    0\n', 'Method        Method completed
10:21:55 08/12/21\n']
Sample - 210812_Gem--011 :
start date : 10:19:13 08/12/21
end date : 10:21:55 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114da23 de9c\n', "Method       Method started:  line# 12 at location 'P
1-A1>  10:21:55 08/12/21\n", ' 443 41e2 6114da23 de9c\n', "Method        ' inj# 1
10:21:55 08/12/21\n", ' 3bf 41e2 6114da24    0\n', 'Method        Instrument running
a blank run                  10:21:56 08/12/21\n', '  70 1daf 6114da27    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare          10:21:59 08/12/21\n', '  70
1daf 6114da2b    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
10:22:03 08/12/21\n', '  70 1daf 6114da44    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                          10:22:28 08/12/21\n', '  70 1dac 6114dac2    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                         10:24:34 08/12/21\n', '  70 1
daa 6114dac3    0\n', 'G1316B      1 G1316B:DE60555985 - Postrun                     1
0:24:35 08/12/21\n', ' 3bf 41e2 6114dac3    0\n', 'Method        Instrument run compl
```

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eted                               10:24:35 08/12/21\n', ' 875 41e2 6114dac4    0\n', 'Metho
d       Saving Method SAA_411_Gem.M                      10:24:36 08/12/21\n', ' 875 4
1e2 6114dac5    0\n', 'Method       Saving Method RUN.M                          1
0:24:37 08/12/21\n', '  70 41e0 6114dac5    0\n', 'CP Macro     Analyzing rawdata 21
0812_Gem--012.D              10:24:37 08/12/21\n', ' 875 41e2 6114dac5    0\n', 'Metho
d       Saving Method DA.M                               10:24:37 08/12/21\n', '  70 4
1e0 6114dac5    0\n', 'CP Macro     Report could not be created.                  1
0:24:37 08/12/21\n', ' 3bf 41e2 6114dac5    0\n', 'Method       Method completed
10:24:37 08/12/21\n']
Sample - 012-blank :
start date : 10:21:55 08/12/21
end date : 10:24:37 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114dac5 de9c\n', "Method       Method started:  line# 13 at location 'P
1-A3>  10:24:37 08/12/21\n", ' 443 41e2 6114dac5 de9c\n', "Method       ' inj# 1
10:24:37 08/12/21\n", ' 3bf 41e2 6114dac6    0\n', 'Method       Instrument running
sample from location P1-A3  10:24:38 08/12/21\n', '  70 1daf 6114dac9    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare         10:24:41 08/12/21\n', '  70
1daf 6114dacd    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
10:24:45 08/12/21\n', '  70 1dac 6114dae5    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                         10:25:09 08/12/21\n', '  70 1dac 6114db64    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                      10:27:16 08/12/21\n', ' 3bf 4
1e2 6114db65    0\n', 'Method       Instrument run completed                     1
0:27:17 08/12/21\n', ' 875 41e2 6114db66    0\n', 'Method       Saving Method SAA_41
1_Gem.M                     10:27:18 08/12/21\n', ' 875 41e2 6114db66    0\n', 'Metho
d       Saving Method RUN.M                              10:27:18 08/12/21\n', '  70 4
1e0 6114db66    0\n', 'CP Macro     Analyzing rawdata 210812_Gem--013.D          1
0:27:18 08/12/21\n', ' 875 41e2 6114db67    0\n', 'Method       Saving Method DA.M
10:27:19 08/12/21\n', '  70 41e0 6114db67    0\n', 'CP Macro     Report could not be
created.                    10:27:19 08/12/21\n', ' 3bf 41e2 6114db67    0\n', 'Metho
d       Method completed                                 10:27:19 08/12/21\n']
Sample - 210812_Gem--013 :
start date : 10:24:37 08/12/21
end date : 10:27:19 08/12/21
runtime : 162

Runtime this run(seconds) : 162
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114db67 de9c\n', "Method       Method started:  line# 14 at location 'P
1-A1>  10:27:19 08/12/21\n", ' 443 41e2 6114db67 de9c\n', "Method       ' inj# 1
10:27:19 08/12/21\n", ' 3bf 41e2 6114db68    0\n', 'Method       Instrument running
a blank run                 10:27:20 08/12/21\n', '  70 1daf 6114db6b    0\n', 'G131
5C      1 G1315C:DE63055907 - Detector: Prepare         10:27:23 08/12/21\n', '  70
1daf 6114db6f    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle
10:27:27 08/12/21\n', '  70 1dac 6114db88    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                         10:27:52 08/12/21\n', '  70 1dac 6114dc06    0\n', 'G7110
B      1 G7110B:DEAEH01167 - Postrun                      10:29:58 08/12/21\n', '  70 1
dae 6114dc06    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                  1
0:29:58 08/12/21\n', '  70 1daa 6114dc07    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                     10:29:59 08/12/21\n', ' 3bf 41e2 6114dc07    0\n', 'Metho
d       Instrument run completed                         10:29:59 08/12/21\n', ' 875 4
```

```
1e2 6114dc08    0\n', 'Method      Saving Method SAA_411_Gem.M                  1
0:30:00 08/12/21\n', ' 875 41e2 6114dc08    0\n', 'Method      Saving Method RUN.M
10:30:00 08/12/21\n', '  70 41e0 6114dc08    0\n', 'CP Macro     Analyzing rawdata 2
10812_Gem--014.D           10:30:00 08/12/21\n', ' 875 41e2 6114dc09    0\n', 'Meth
od      Saving Method DA.M                         10:30:01 08/12/21\n', '  70
41e0 6114dc09    0\n', 'CP Macro     Report could not be created.
10:30:01 08/12/21\n', ' 3bf 41e2 6114dc09    0\n', 'Method      Method completed
10:30:01 08/12/21\n']
Sample - 014-blank :
start date : 10:27:19 08/12/21
end date : 10:30:01 08/12/21
runtime : 162

Runtime this run(seconds) : 338
Times started(in event of fault) : 1
This files logs
[' 443 41e2 6114d27c   17\n', "Method      Method started:  line# 1 at location 'P
1-A1'>  09:49:16 08/12/21\n", ' 443 41e2 6114d27c   17\n', 'Method        inj# 1
09:49:16 08/12/21\n', '  70 1daf 6114d27d    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Idle           09:49:17 08/12/21\n', ' 3bf 41e2 6114d27d    0\n', 'Metho
d       Instrument running a blank run             09:49:17 08/12/21\n', '  70 1
dac 6114d27d    0\n', 'G7110B     1 G7110B:DEAEH01167 - Pump on                 0
9:49:17 08/12/21\n', '  70 1daf 6114d32f    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Prepare         09:52:15 08/12/21\n', '  70 1daf 6114d334    0\n', 'G1315
C     1 G1315C:DE63055907 - Detector: Idle          09:52:20 08/12/21\n', '  70 1
dac 6114d34c    0\n', 'G7110B     1 G7110B:DEAEH01167 - Run                    0
9:52:44 08/12/21\n', '  70 1dac 6114d3ca    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                  09:54:50 08/12/21\n', '  70 1dae 6114d3cb    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                    09:54:51 08/12/21\n', ' 3bf 4
1e2 6114d3cc    0\n', 'Method      Instrument run completed                   0
9:54:52 08/12/21\n', ' 875 41e2 6114d3cd    0\n', 'Method      Saving Method SAA_41
1_Gem.M               09:54:53 08/12/21\n', ' 875 41e2 6114d3cd    0\n', 'Metho
d       Saving Method RUN.M                     09:54:53 08/12/21\n', '  70 4
1e0 6114d3cd    0\n', 'CP Macro     Analyzing rawdata 210812_Gem.D             0
9:54:53 08/12/21\n', ' 875 41e2 6114d3cd    0\n', 'Method      Saving Method DA.M
09:54:53 08/12/21\n', '  70 41e0 6114d3ce    0\n', 'CP Macro     Report could not be
created.                 09:54:54 08/12/21\n', ' 3bf 41e2 6114d3ce    0\n', 'Metho
d       Method completed                     09:54:54 08/12/21\n']
Sample - 001-blank :
start date : 09:49:16 08/12/21
end date : 09:54:54 08/12/21
runtime : 338
```

Each DeviceEngine object has an attribute _method_ids that records all methods
encountered in the analysis of the current Device.

In [ ]:
```python
print(dev._method_ids)
```

```
['240131_Irino_Kali 2024-01-31 15-04-57', '210910_Doc 2021-09-10 17-13-54', '210827_
Irino2 2021-08-27 10-26-23', '210819_Pac 2021-08-19 15-50-49', '210813_Pac 2021-08-1
3 10-37-27', '210813_Gem_210812 2021-08-13 08-10-49', '210812_Pac 2021-08-12 10-30-0
7', '210812_Gem 2021-08-12 09-49-10']
```

And an attribute _history to hold data on all experiments related to this device.

In [ ]: `print(dev._history)`

{'Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:
11:06 01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Samp
le - 002-blank', 'Runtype': 0, 'Start date': '15:11:06 01/31/24', 'Runtime': 354, 'I
dle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample - 002-blank
0   0.000   234.32
1   0.005   237.00
2   0.010   238.65
3   0.015   240.47
4   0.020   241.68
..   ..
995 4.975   204.02
996 4.980   204.15
997 4.985   204.75
998 4.990   204.88
999 4.995   205.43

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba54fa cf54\n', "Method   Method s
tarted: line# 2 at location 'P1-A1'> 15:11:06 01/31/24\n", ' 443 41e2 65ba54fa cf5
4\n', 'Method   inj# 2   15:11:06 01/31/24
\n', ' 3bf 41e2 65ba5500   0\n', 'Method   Instrument running a blank run
15:11:12 01/31/24\n', ' 70 1daa 65ba5523   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   15:11:47 01/31/24\n', ' 70 1da8 65ba564f   0\n', 'G1316
B   1 G1316B:DE60555985 - Postrun   15:16:47 01/31/24\n', ' 70 1
dab 65ba564f   0\n', 'G1367E   1 G1367E:DEAC006364 - Postrun   1
5:16:47 01/31/24\n', ' 3bf 41e2 65ba5652   0\n', 'Method   Instrument run compl
eted   15:16:50 01/31/24\n', ' 875 41e2 65ba5653   0\n', 'Metho
d   Saving Method Onivyde_240129_5.M   15:16:51 01/31/24\n', ' 875 4
1e2 65ba5657   0\n', 'Method   Saving Method RUN.M   1
5:16:55 01/31/24\n', ' 70 41e0 65ba5657   0\n', 'CP Macro   Analyzing rawdata 24
0131_Irino_Kali--002.D   15:16:55 01/31/24\n', ' 875 41e2 65ba5657   0\n', 'Metho
d   Saving Method DA.M   15:16:55 01/31/24\n', ' 70 4
1e0 65ba5658   0\n', 'CP Macro   Report could not be created.   1
5:16:56 01/31/24\n', ' 3bf 41e2 65ba565c   0\n', 'Method   Method completed
15:17:00 01/31/24\n']}, 'Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 1
5-04-57 | Start time: 15:17:00 01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 1
5-04-57', 'Sample': 'Sample - 240131_Irino_Kali--003', 'Runtype': 1, 'Start date': '
15:17:00 01/31/24', 'Runtime': 353, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve
':   Time Sample - 240131_Irino_Kali--003
0   0.000   232.81
1   0.005   235.11
2   0.010   236.75
3   0.015   238.70
4   0.020   239.85
..   ..
995 4.975   207.67
996 4.980   206.89
997 4.985   207.31
998 4.990   207.31
999 4.995   207.55

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba565c   0\n', "Method   Method s
tarted: line# 3 at location 'P1-A2'> 15:17:00 01/31/24\n", ' 443 41e2 65ba565c
0\n', 'Method   inj# 1   15:17:00 01/31/24
\n', ' 3bf 41e2 65ba5662   0\n', 'Method   Instrument running sample from locat
ion P1-A2 15:17:06 01/31/24\n', ' 70 1daa 65ba5684   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   15:17:40 01/31/24\n', ' 70 1da8 65ba57b1

0\n', 'G1316B 1 G1316B:DE60555985 - Postrun 15:22:41 01/31/24
\n', ' 3bf 41e2 65ba57b3 0\n', 'Method Instrument run completed
15:22:43 01/31/24\n', ' 875 41e2 65ba57b4 0\n', 'Method Saving Method Onivy
de_240129_5.M 15:22:44 01/31/24\n', ' 875 41e2 65ba57b8 0\n', 'Meth
od Saving Method RUN.M 15:22:48 01/31/24\n', ' 70
41e0 65ba57b9 0\n', 'CP Macro Analyzing rawdata 240131_Irino_Kali--003.D
15:22:49 01/31/24\n', ' 875 41e2 65ba57b9 0\n', 'Method Saving Method DA.M
15:22:49 01/31/24\n', ' 70 41e0 65ba57b9 0\n', 'CP Macro Report could not be
created. 15:22:49 01/31/24\n', ' 3bf 41e2 65ba57bd 0\n', 'Metho
d Method completed 15:22:53 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:22:54
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 2
40131_Irino_Kali--004', 'Runtype': 1, 'Start date': '15:22:54 01/31/24', 'Runtime':
353, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve': Time Sample - 240131_
Irino_Kali--004
0 0.000 232.44
1 0.005 235.18
2 0.010 236.88
3 0.015 238.68
4 0.020 240.14
.. ..
995 4.975 205.06
996 4.980 204.88
997 4.985 205.17
998 4.990 205.48
999 4.995 206.16

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba57be cf54\n', "Method Method s
tarted: line# 4 at location 'P1-A3'> 15:22:54 01/31/24\n", ' 443 41e2 65ba57be cf5
4\n', 'Method inj# 1 15:22:54 01/31/24
\n', ' 3bf 41e2 65ba57c3 0\n', 'Method Instrument running sample from locat
ion P1-A3 15:22:59 01/31/24\n', ' 70 1daa 65ba57e6 0\n', 'G1315C 1 G1315C:D
E63055907 - Run 15:23:34 01/31/24\n', ' 70 1da8 65ba5913
0\n', 'G1316B 1 G1316B:DE60555985 - Postrun 15:28:35 01/31/24
\n', ' 70 1dab 65ba5913 0\n', 'G1367E 1 G1367E:DEACO06364 - Postrun
15:28:35 01/31/24\n', ' 3bf 41e2 65ba5916 0\n', 'Method Instrument run comp
leted 15:28:38 01/31/24\n', ' 875 41e2 65ba5917 0\n', 'Meth
od Saving Method Onivyde_240129_5.M 15:28:39 01/31/24\n', ' 875
41e2 65ba591b 0\n', 'Method Saving Method RUN.M
15:28:43 01/31/24\n', ' 70 41e0 65ba591b 0\n', 'CP Macro Analyzing rawdata 2
40131_Irino_Kali--004.D 15:28:43 01/31/24\n', ' 875 41e2 65ba591b 0\n', 'Meth
od Saving Method DA.M 15:28:43 01/31/24\n', ' 70
41e0 65ba591c 0\n', 'CP Macro Report could not be created.
15:28:44 01/31/24\n', ' 3bf 41e2 65ba591f 0\n', 'Method Method completed
15:28:47 01/31/24\n']}, 'Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 1
5-04-57 | Start time: 15:28:48 01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 1
5-04-57', 'Sample': 'Sample - 240131_Irino_Kali--005', 'Runtype': 1, 'Start date': '
15:28:48 01/31/24', 'Runtime': 353, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve
': Time Sample - 240131_Irino_Kali--005
0 0.000 232.37
1 0.005 234.69
2 0.010 236.57
3 0.015 238.39
4 0.020 239.25
.. ..
995 4.975 207.86

```
996   4.980                              207.91
997   4.985                              208.35
998   4.990                              208.40
999   4.995                              208.90

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba5920     0\n', "Method        Method s
tarted:  line# 5 at location 'P1-A4'>  15:28:48 01/31/24\n", ' 443 41e2 65ba5920
0\n', 'Method        inj# 1                                    15:28:48 01/31/24
\n', ' 3bf 41e2 65ba5925    0\n', 'Method        Instrument running sample from locat
ion P1-A4  15:28:53 01/31/24\n', '  70 1daa 65ba5948    0\n', 'G1315C      1 G1315C:D
E63055907 - Run                            15:29:28 01/31/24\n', '  70 1da8 65ba5a75
0\n', 'G1316B     1 G1316B:DE60555985 - Postrun                  15:34:29 01/31/24
\n', ' 3bf 41e2 65ba5a77    0\n', 'Method        Instrument run completed
15:34:31 01/31/24\n', ' 875 41e2 65ba5a78    0\n', 'Method        Saving Method Onivy
de_240129_5.M                  15:34:32 01/31/24\n', ' 875 41e2 65ba5a7c    0\n', 'Meth
od       Saving Method RUN.M                          15:34:36 01/31/24\n', '  70
41e0 65ba5a7d    0\n', 'CP Macro     Analyzing rawdata 240131_Irino_Kali--005.D
15:34:37 01/31/24\n', ' 875 41e2 65ba5a7d    0\n', 'Method        Saving Method DA.M
15:34:37 01/31/24\n', '  70 41e0 65ba5a7d    0\n', 'CP Macro     Report could not be
created.                 15:34:37 01/31/24\n', ' 3bf 41e2 65ba5a81    0\n', 'Metho
d       Method completed                              15:34:41 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:34:41
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 2
40131_Irino_Kali--006', 'Runtype': 1, 'Start date': '15:34:41 01/31/24', 'Runtime':
354, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':     Time  Sample - 240131_
Irino_Kali--006
0    0.000                              235.42
1    0.005                              237.55
2    0.010                              239.12
3    0.015                              241.08
4    0.020                              242.35
..    ...                               ...
995  4.975                              209.01
996  4.980                              208.82
997  4.985                              209.08
998  4.990                              209.32
999  4.995                              209.68

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba5a81 cf54\n', "Method        Method s
tarted:  line# 6 at location 'P1-A5'>  15:34:41 01/31/24\n", ' 443 41e2 65ba5a81 cf5
4\n', 'Method        inj# 1                                    15:34:41 01/31/24
\n', ' 3bf 41e2 65ba5a87    0\n', 'Method        Instrument running sample from locat
ion P1-A5  15:34:47 01/31/24\n', '  70 1daa 65ba5aaa    0\n', 'G1315C      1 G1315C:D
E63055907 - Run                            15:35:22 01/31/24\n', '  70 1da8 65ba5bd6
0\n', 'G1316B     1 G1316B:DE60555985 - Postrun                  15:40:22 01/31/24
\n', ' 3bf 41e2 65ba5bd9    0\n', 'Method        Instrument run completed
15:40:25 01/31/24\n', ' 875 41e2 65ba5bda    0\n', 'Method        Saving Method Onivy
de_240129_5.M                  15:40:26 01/31/24\n', ' 875 41e2 65ba5bde    0\n', 'Meth
od       Saving Method RUN.M                          15:40:30 01/31/24\n', '  70
41e0 65ba5bde    0\n', 'CP Macro     Analyzing rawdata 240131_Irino_Kali--006.D
15:40:30 01/31/24\n', ' 875 41e2 65ba5bdf    0\n', 'Method        Saving Method DA.M
15:40:31 01/31/24\n', '  70 41e0 65ba5bdf    0\n', 'CP Macro     Report could not be
created.                 15:40:31 01/31/24\n', ' 3bf 41e2 65ba5be3    0\n', 'Metho
d       Method completed                              15:40:35 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:40:35
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 2
```

40131_Irino_Kali--007', 'Runtype': 1, 'Start date': '15:40:35 01/31/24', 'Runtime':
354, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample - 240131_
Irino_Kali--007
0   0.000   234.45
1   0.005   236.57
2   0.010   238.47
3   0.015   240.29
4   0.020   241.44
..   ..
995 4.975   208.28
996 4.980   208.82
997 4.985   209.13
998 4.990   208.90
999 4.995   209.32

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba5be3 cf54\n', "Method   Method s
tarted: line# 7 at location 'P1-A6'> 15:40:35 01/31/24\n", ' 443 41e2 65ba5be3 cf5
4\n', 'Method   inj# 1   15:40:35 01/31/24
\n', ' 3bf 41e2 65ba5be9   0\n', 'Method   Instrument running sample from locat
ion P1-A6 15:40:41 01/31/24\n', ' 70 1daa 65ba5c0c   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   15:41:16 01/31/24\n', ' 70 1da8 65ba5d38
0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   15:46:16 01/31/24
\n', ' 3bf 41e2 65ba5d3b   0\n', 'Method   Instrument run completed
15:46:19 01/31/24\n', ' 875 41e2 65ba5d3c   0\n', 'Method   Saving Method Onivy
de_240129_5.M   15:46:20 01/31/24\n', ' 875 41e2 65ba5d40   0\n', 'Meth
od   Saving Method RUN.M   15:46:24 01/31/24\n', ' 70
41e0 65ba5d40   0\n', 'CP Macro   Analyzing rawdata 240131_Irino_Kali--007.D
15:46:24 01/31/24\n', ' 875 41e2 65ba5d41   0\n', 'Method   Saving Method DA.M
15:46:25 01/31/24\n', ' 70 41e0 65ba5d41   0\n', 'CP Macro   Report could not be
created.   15:46:25 01/31/24\n', ' 3bf 41e2 65ba5d45   0\n', 'Metho
d   Method completed   15:46:29 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:46:29
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 2
40131_Irino_Kali--008', 'Runtype': 1, 'Start date': '15:46:29 01/31/24', 'Runtime':
355, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample - 240131_
Irino_Kali--008
0   0.000   233.41
1   0.005   235.78
2   0.010   237.79
3   0.015   238.70
4   0.020   239.49
..   ..
995 4.975   208.90
996 4.980   209.13
997 4.985   209.26
998 4.990   209.50
999 4.995   209.68

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba5d45 cf54\n', "Method   Method s
tarted: line# 8 at location 'P1-A7'> 15:46:29 01/31/24\n", ' 443 41e2 65ba5d45 cf5
4\n', 'Method   inj# 1   15:46:29 01/31/24
\n', ' 3bf 41e2 65ba5d4b   0\n', 'Method   Instrument running sample from locat
ion P1-A7 15:46:35 01/31/24\n', ' 70 1daa 65ba5d6e   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   15:47:10 01/31/24\n', ' 70 1da8 65ba5e9b
0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   15:52:11 01/31/24
\n', ' 3bf 41e2 65ba5e9e   0\n', 'Method   Instrument run completed

```
15:52:14 01/31/24\n', ' 875 41e2 65ba5e9f    0\n', 'Method      Saving Method Onivy
de_240129_5.M                    15:52:15 01/31/24\n', ' 875 41e2 65ba5ea3    0\n', 'Meth
od      Saving Method RUN.M                        15:52:19 01/31/24\n', '  70
41e0 65ba5ea3    0\n', 'CP Macro    Analyzing rawdata 240131_Irino_Kali--008.D
15:52:19 01/31/24\n', ' 875 41e2 65ba5ea3    0\n', 'Method      Saving Method DA.M
15:52:19 01/31/24\n', '  70 41e0 65ba5ea4    0\n', 'CP Macro    Report could not be
created.                  15:52:20 01/31/24\n', ' 3bf 41e2 65ba5ea8    0\n', 'Metho
d       Method completed                        15:52:24 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:52:24
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 2
40131_Irino_Kali--009', 'Runtype': 1, 'Start date': '15:52:24 01/31/24', 'Runtime':
353, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':       Time  Sample - 240131_
Irino_Kali--009
0    0.000                        231.64
1    0.005                        234.81
2    0.010                        236.46
3    0.015                        236.69
4    0.020                        238.57
..    ...                          ...
995  4.975                        207.07
996  4.980                        207.49
997  4.985                        207.98
998  4.990                        208.04
999  4.995                        208.40

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tarted:  line# 9 at location 'P1-A8'> 15:52:24 01/31/24\n", ' 443 41e2 65ba5ea8 919
4\n', 'Method      inj# 1                            15:52:24 01/31/24
\n', ' 3bf 41e2 65ba5ead    0\n', 'Method      Instrument running sample from locat
ion P1-A8  15:52:29 01/31/24\n', '  70 1daa 65ba5ed1    0\n', 'G1315C      1 G1315C:D
E63055907 - Run                    15:53:05 01/31/24\n', '  70 1da8 65ba5ffd
0\n', 'G1316B     1 G1316B:DE60555985 - Postrun                15:58:05 01/31/24
\n', ' 3bf 41e2 65ba6000    0\n', 'Method      Instrument run completed
15:58:08 01/31/24\n', ' 875 41e2 65ba6001    0\n', 'Method      Saving Method Onivy
de_240129_5.M                    15:58:09 01/31/24\n', ' 875 41e2 65ba6005    0\n', 'Meth
od      Saving Method RUN.M                        15:58:13 01/31/24\n', '  70
41e0 65ba6005    0\n', 'CP Macro    Analyzing rawdata 240131_Irino_Kali--009.D
15:58:13 01/31/24\n', ' 875 41e2 65ba6005    0\n', 'Method      Saving Method DA.M
15:58:13 01/31/24\n', '  70 41e0 65ba6006    0\n', 'CP Macro    Report could not be
created.                  15:58:14 01/31/24\n', ' 3bf 41e2 65ba6009    0\n', 'Metho
d       Method completed                        15:58:17 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:58:18
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 2
40131_Irino_Kali--010', 'Runtype': 1, 'Start date': '15:58:18 01/31/24', 'Runtime':
352, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':       Time  Sample - 240131_
Irino_Kali--010
0    0.000                        231.93
1    0.005                        232.55
2    0.010                        233.65
3    0.015                        234.87
4    0.020                        237.11
..    ...                          ...
995  4.975                        209.13
996  4.980                        209.50
997  4.985                        209.50
998  4.990                        209.92
```

```
999   4.995                         209.99
```

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tarted: line# 10 at location 'P1-A9> 15:58:18 01/31/24\n", ' 443 41e2 65ba600a 919
4\n', "Method   ' inj# 1   15:58:18 01/31/24
\n", ' 3bf 41e2 65ba600f   0\n', 'Method   Instrument running sample from locat
ion P1-A9 15:58:23 01/31/24\n', ' 70 1dab 65ba6031   0\n', 'G1367E   1 G1367E:D
EACO06364 - Run   15:58:57 01/31/24\n', ' 70 1da8 65ba615d
0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   16:03:57 01/31/24
\n', ' 3bf 41e2 65ba6160   0\n', 'Method   Instrument run completed
16:04:00 01/31/24\n', ' 875 41e2 65ba6161   0\n', 'Method   Saving Method Onivy
de_240129_5.M   16:04:01 01/31/24\n', ' 875 41e2 65ba6165   0\n', 'Meth
od   Saving Method RUN.M   16:04:05 01/31/24\n', ' 70
41e0 65ba6165   0\n', 'CP Macro   Analyzing rawdata 240131_Irino_Kali--010.D
16:04:05 01/31/24\n', ' 875 41e2 65ba6165   0\n', 'Method   Saving Method DA.M
16:04:05 01/31/24\n', ' 70 41e0 65ba6166   0\n', 'CP Macro   Report could not be
created.   16:04:06 01/31/24\n', ' 3bf 41e2 65ba616a   0\n', 'Metho
d   Method completed   16:04:10 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 16:04:10
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 0
11-blank', 'Runtype': 0, 'Start date': '16:04:10 01/31/24', 'Runtime': 353, 'Idle ti
me': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample - 011-blank

```
0     0.000              234.14
1     0.005              236.38
2     0.010              236.69
3     0.015              238.34
4     0.020              239.80
..     ...                 ...
995   4.975              208.35
996   4.980              208.17
997   4.985              208.71
998   4.990              208.82
999   4.995              209.13
```

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba616a 9194\n', "Method   Method s
tarted: line# 11 at location 'P1-A1> 16:04:10 01/31/24\n", ' 443 41e2 65ba616a 919
4\n', "Method   ' inj# 1   16:04:10 01/31/24
\n", ' 3bf 41e2 65ba6170   0\n', 'Method   Instrument running a blank run
16:04:16 01/31/24\n', ' 70 1daa 65ba6193   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   16:04:51 01/31/24\n', ' 70 1da8 65ba62bf   0\n', 'G1316
B   1 G1316B:DE60555985 - Postrun   16:09:51 01/31/24\n', ' 3bf 4
1e2 65ba62c2   0\n', 'Method   Instrument run completed   1
6:09:54 01/31/24\n', ' 875 41e2 65ba62c3   0\n', 'Method   Saving Method Onivyd
e_240129_5.M   16:09:55 01/31/24\n', ' 875 41e2 65ba62c7   0\n', 'Metho
d   Saving Method RUN.M   16:09:59 01/31/24\n', ' 70 4
1e0 65ba62c7   0\n', 'CP Macro   Analyzing rawdata 240131_Irino_Kali--011.D   1
6:09:59 01/31/24\n', ' 875 41e2 65ba62c7   0\n', 'Method   Saving Method DA.M
16:09:59 01/31/24\n', ' 70 41e0 65ba62c7   0\n', 'CP Macro   Report could not be
created.   16:09:59 01/31/24\n', ' 3bf 41e2 65ba62cb   0\n', 'Metho
d   Method completed   16:10:03 01/31/24\n']}, 'Devi
ce Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start time: 15:05:08
01/31/24': {'Method': '240131_Irino_Kali 2024-01-31 15-04-57', 'Sample': 'Sample - 0
01-blank', 'Runtype': 2, 'Start date': '15:05:08 01/31/24', 'Runtime': 358, 'Idle ti
me': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample - 001-blank

```
0     0.000              254.45
1     0.005              256.41
```

```
2     0.010           258.18
3     0.015           259.56
4     0.020           260.42
..      ...              ...
995   4.975           210.17
996   4.980           210.17
997   4.985           210.47
998   4.990           210.54
999   4.995           210.83

[1000 rows x 2 columns], 'Log': [' 443 41e2 65ba5394    0\n', "Method       Method s
tarted:  line# 1 at location 'P1-A1'>  15:05:08 01/31/24\n", ' 443 41e2 65ba5394
0\n', 'Method       inj# 1                              15:05:08 01/31/24
\n', ' 3bf 41e2 65ba539c    0\n', 'Method       Instrument running a blank run
15:05:16 01/31/24\n', '  70 1daa 65ba53c1    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                       15:05:53 01/31/24\n', '  70 1da8 65ba54ed    0\n', 'G1316
B      1 G1316B:DE60555985 - Postrun                       15:10:53 01/31/24\n', '  70 1
dab 65ba54ed    0\n', 'G1367E      1 G1367E:DEAC006364 - Postrun                 1
5:10:53 01/31/24\n', ' 3bf 41e2 65ba54f0    0\n', 'Method       Instrument run compl
eted                       15:10:56 01/31/24\n', ' 875 41e2 65ba54f1    0\n', 'Metho
d       Saving Method Onivyde_240129_5.M              15:10:57 01/31/24\n', ' 875 4
1e2 65ba54f5    0\n', 'Method       Saving Method RUN.M                           1
5:11:01 01/31/24\n', '  70 41e0 65ba54f5    0\n', 'CP Macro      Analyzing rawdata 24
0131_Irino_Kali.D         15:11:01 01/31/24\n', ' 875 41e2 65ba54f5    0\n', 'Metho
d       Saving Method DA.M                             15:11:01 01/31/24\n', '  70 4
1e0 65ba54f6    0\n', 'CP Macro      Report could not be created.                 1
5:11:02 01/31/24\n', ' 3bf 41e2 65ba54fa    0\n', 'Method       Method completed
15:11:06 01/31/24\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
Start time: 11:13:50 09/13/21': {'Method': '210910_Doc 2021-09-10 17-13-54', 'Sample
': 'Sample - 002-blank', 'Runtype': 0, 'Start date': '11:13:50 09/13/21', 'Runtime':
3, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':       Time  Sample - 002-blank
0     0.000           55.49
1     0.005           57.04
2     0.010           58.01
3     0.015           59.05
4     0.020           59.96
..      ...              ...
795   3.975           51.62
796   3.980           51.86
797   3.985           51.86
798   3.990           51.66
799   3.995           51.98

[800 rows x 2 columns], 'Log': [' 443 41e2 613b7767    0\n', "Method       Method st
arted:  line# 2 at location 'P1-A1'>  17:19:03 09/10/21\n", ' 443 41e2 613b7767    0
\n', 'Method       inj# 2                              17:19:03 09/10/21
\n', ' 3bf 41e2 613b7769    0\n', 'Method       Instrument running a blank run
17:19:05 09/10/21\n', '  70 1daf 613b776c    0\n', 'G1315C      1 G1315C:DE63055907 -
Detector: Prepare         17:19:08 09/10/21\n', '  70 1daf 613b7778    0\n', 'G1315
C      1 G1315C:DE63055907 - Detector: Idle              17:19:20 09/10/21\n', '  70 1
daf 613b7791    0\n', 'G1315C      1 G1315C:DE63055907 - Run                       1
7:19:45 09/10/21\n', '  70 1dac 613b7881    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Postrun                       17:23:45 09/10/21\n', '  70 1dae 613b7881    0\n', 'G7116
B      2 G7116B:DEBAZ03738 - Postrun                       17:23:45 09/10/21\n', '  70 1
daa 613b7881    0\n', 'G1316B      1 G1316B:DE60555985 - Postrun                 1
7:23:45 09/10/21\n', ' 3bf 41e2 613b7884    0\n', 'Method       Instrument run compl
```

eted   17:23:48 09/10/21\n', ' 875 41e2 613b7885   0\n', 'Metho
d   Saving Method SAA_411_Doc.M   17:23:49 09/10/21\n', ' 875 4
1e2 613b7885   0\n', 'Method   Saving Method RUN.M   1
7:23:49 09/10/21\n', ' 70 41e0 613b7885   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--002.D   17:23:49 09/10/21\n', ' 875 41e2 613b7885   0\n', 'Metho
d   Saving Method DA.M   17:23:49 09/10/21\n', ' 3bf 4
1e2 613b7887   0\n', 'Method   Method completed   1
7:23:51 09/10/21\n', ' 443 41e2 613f164e   50\n', "Method   Method started: lin
e# 2 at location 'P1-A1'> 11:13:50 09/13/21\n", ' 443 41e2 613f164e   50\n', 'Metho
d   inj# 2   11:13:50 09/13/21\n', ' 70 4
1e0 613f164f   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--002.D   1
1:13:51 09/13/21\n', ' 875 41e2 613f1650   0\n', 'Method   Saving Method DA.M
11:13:52 09/13/21\n', ' 3bf 41e2 613f1651   0\n', 'Method   Method completed
11:13:53 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
Start time: 11:13:53 09/13/21': {'Method': '210910_Doc 2021-09-10 17-13-54', 'Sample
': 'Sample - 003-blank', 'Runtype': 0, 'Start date': '11:13:53 09/13/21', 'Runtime':
3, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':   Time Sample - 003-blank
0   0.000   54.30
1   0.005   56.00
2   0.010   56.49
3   0.015   58.24
4   0.020   59.23
..   ..
795 3.975   51.56
796 3.980   51.67
797 3.985   51.80
798 3.990   52.11
799 3.995   52.17

[800 rows x 2 columns], 'Log': [' 443 41e2 613b7887 1414\n', "Method   Method st
arted: line# 3 at location 'P1-A1'> 17:23:51 09/10/21\n", ' 443 41e2 613b7887 1414
\n', 'Method   inj# 3   17:23:51 09/10/21
\n', ' 3bf 41e2 613b7889   0\n', 'Method   Instrument running a blank run
17:23:53 09/10/21\n', ' 70 1daf 613b788c   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   17:23:56 09/10/21\n', ' 70 1daf 613b7899   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   17:24:09 09/10/21\n', ' 70 1
daf 613b78b1   0\n', 'G1315C   1 G1315C:DE63055907 - Run   1
7:24:33 09/10/21\n', ' 70 1dac 613b79a1   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   17:28:33 09/10/21\n', ' 70 1dae 613b79a1   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   17:28:33 09/10/21\n', ' 3bf 4
1e2 613b79a4   0\n', 'Method   Instrument run completed   1
7:28:36 09/10/21\n', ' 875 41e2 613b79a5   0\n', 'Method   Saving Method SAA_41
1_Doc.M   17:28:37 09/10/21\n', ' 875 41e2 613b79a5   0\n', 'Metho
d   Saving Method RUN.M   17:28:37 09/10/21\n', ' 70 4
1e0 613b79a5   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--003.D   1
7:28:37 09/10/21\n', ' 875 41e2 613b79a6   0\n', 'Method   Saving Method DA.M
17:28:38 09/10/21\n', ' 3bf 41e2 613b79a7   0\n', 'Method   Method completed
17:28:39 09/10/21\n', ' 443 41e2 613f1651   50\n', "Method   Method started: li
ne# 3 at location 'P1-A1'> 11:13:53 09/13/21\n", ' 443 41e2 613f1651   50\n', 'Meth
od   inj# 3   11:13:53 09/13/21\n', ' 70
41e0 613f1652   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--003.D
11:13:54 09/13/21\n', ' 875 41e2 613f1653   0\n', 'Method   Saving Method DA.M
11:13:55 09/13/21\n', ' 3bf 41e2 613f1654   0\n', 'Method   Method completed
11:13:56 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
Start time: 11:13:56 09/13/21': {'Method': '210910_Doc 2021-09-10 17-13-54', 'Sample
': 'Sample - 210910_Doc--004', 'Runtype': 1, 'Start date': '11:13:56 09/13/21', 'Run

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time': 4, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':        Time   Sample - 21
0910_Doc--004
0     0.000                     55.22
1     0.005                     56.49
2     0.010                     57.46
3     0.015                     58.50
4     0.020                     59.32
..     ...                        ...
795   3.975                     51.75
796   3.980                     52.04
797   3.985                     51.84
798   3.990                     51.98
799   3.995                     51.98

[800 rows x 2 columns], 'Log': [' 443 41e2 613b79a7 d3d4\n', "Method      Method st
arted:  line# 4 at location 'P1-A2'>  17:28:39 09/10/21\n", ' 443 41e2 613b79a7 d3d4
\n', 'Method       inj# 1                                    17:28:39 09/10/21
\n', ' 3bf 41e2 613b79a9    0\n', 'Method      Instrument running sample from locat
ion P1-A2  17:28:41 09/10/21\n', '  70 1daf 613b79ab    0\n', 'G1315C      1 G1315C:D
E63055907 - Detector: Prepare         17:28:43 09/10/21\n', '  70 1daf 613b79b8
0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle         17:28:56 09/10/21
\n', '  70 1daf 613b79d1    0\n', 'G1315C      1 G1315C:DE63055907 - Run
17:29:21 09/10/21\n', '  70 1dac 613b7ac1    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Postrun                    17:33:21 09/10/21\n', '  70 1dae 613b7ac1    0\n', 'G7116
B      2 G7116B:DEBAZ03738 - Postrun                    17:33:21 09/10/21\n', ' 3bf 4
1e2 613b7ac3    0\n', 'Method      Instrument run completed                     1
7:33:23 09/10/21\n', ' 875 41e2 613b7ac4    0\n', 'Method      Saving Method SAA_41
1_Doc.M                  17:33:24 09/10/21\n', ' 875 41e2 613b7ac4    0\n', 'Metho
d      Saving Method RUN.M                          17:33:24 09/10/21\n', '  70 4
1e0 613b7ac5    0\n', 'CP Macro      Analyzing rawdata 210910_Doc--004.D          1
7:33:25 09/10/21\n', ' 875 41e2 613b7ac5    0\n', 'Method      Saving Method DA.M
17:33:25 09/10/21\n', ' 3bf 41e2 613b7ac6    0\n', 'Method      Method completed
17:33:26 09/10/21\n', ' 443 41e2 613f1654    50\n', "Method      Method started:  li
ne# 4 at location 'P1-A2'>  11:13:56 09/13/21\n", ' 443 41e2 613f1654    50\n', 'Meth
od       inj# 1                                    11:13:56 09/13/21\n', '  70
41e0 613f1654    0\n', 'CP Macro      Analyzing rawdata 210910_Doc--004.D
11:13:56 09/13/21\n', ' 875 41e2 613f1657    0\n', 'Method      Saving Method DA.M
11:13:59 09/13/21\n', ' 3bf 41e2 613f1658    0\n', 'Method      Method completed
11:14:00 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
Start time: 11:14:00 09/13/21': {'Method': '210910_Doc 2021-09-10 17-13-54', 'Sample
': 'Sample - 005-blank', 'Runtype': 0, 'Start date': '11:14:00 09/13/21', 'Runtime':
2, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':        Time   Sample - 005-blank
0     0.000            53.99
1     0.005            56.86
2     0.010            57.09
3     0.015            58.19
4     0.020            59.16
..     ...              ...
795   3.975            51.86
796   3.980            51.98
797   3.985            51.84
798   3.990            51.93
799   3.995            52.04

[800 rows x 2 columns], 'Log': [' 443 41e2 613b7ac6 1400\n', "Method      Method st
arted:  line# 5 at location 'P1-A1'>  17:33:26 09/10/21\n", ' 443 41e2 613b7ac6 1400
```

\n', 'Method   inj# 1   17:33:26 09/10/21
\n', ' 3bf 41e2 613b7ac8   0\n', 'Method   Instrument running a blank run
17:33:28 09/10/21\n', ' 70 1daf 613b7acb   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   17:33:31 09/10/21\n', ' 70 1daf 613b7ad7   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   17:33:43 09/10/21\n', ' 70 1
dac 613b7af0   0\n', 'G7110B   1 G7110B:DEAEH01167 - Run   1
7:34:08 09/10/21\n', ' 70 1dae 613b7be0   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   17:38:08 09/10/21\n', ' 70 1dac 613b7be0   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   17:38:08 09/10/21\n', ' 3bf 4
1e2 613b7be3   0\n', 'Method   Instrument run completed   1
7:38:11 09/10/21\n', ' 875 41e2 613b7be4   0\n', 'Method   Saving Method SAA_41
1_Doc.M   17:38:12 09/10/21\n', ' 875 41e2 613b7be4   0\n', 'Metho
d   Saving Method RUN.M   17:38:12 09/10/21\n', ' 70 4
1e0 613b7be4   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--005.D   1
7:38:12 09/10/21\n', ' 875 41e2 613b7be4   0\n', 'Method   Saving Method DA.M
17:38:12 09/10/21\n', ' 3bf 41e2 613b7be6   0\n', 'Method   Method completed
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ne# 5 at location 'P1-A1'> 11:14:00 09/13/21\n", ' 443 41e2 613f1658   50\n', 'Meth
od   inj# 1   11:14:00 09/13/21\n', ' 70
41e0 613f1658   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--005.D
11:14:00 09/13/21\n', ' 875 41e2 613f1659   0\n', 'Method   Saving Method DA.M
11:14:01 09/13/21\n', ' 3bf 41e2 613f165a   0\n', 'Method   Method completed
11:14:02 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
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': 'Sample - 210910_Doc--006', 'Runtype': 1, 'Start date': '11:14:03 09/13/21', 'Run
time': 2, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':   Time Sample - 21
0910_Doc--006
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1   0.005   55.95
2   0.010   57.15
3   0.015   57.95
4   0.020   58.68
..   ..
795 3.975   51.75
796 3.980   51.93
797 3.985   51.98
798 3.990   51.84
799 3.995   52.11

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\n', 'Method   inj# 1   17:38:14 09/10/21
\n', ' 3bf 41e2 613b7be8   0\n', 'Method   Instrument running sample from locat
ion P1-C1 17:38:16 09/10/21\n', ' 70 1daf 613b7bea   0\n', 'G1315C   1 G1315C:D
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0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   17:38:31 09/10/21
\n', ' 70 1daf 613b7c0f   0\n', 'G1315C   1 G1315C:DE63055907 - Run
17:38:55 09/10/21\n', ' 70 1dac 613b7d00   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   17:42:56 09/10/21\n', ' 3bf 41e2 613b7d02   0\n', 'Metho
d   Instrument run completed   17:42:58 09/10/21\n', ' 875 4
1e2 613b7d03   0\n', 'Method   Saving Method SAA_411_Doc.M   1
7:42:59 09/10/21\n', ' 875 41e2 613b7d03   0\n', 'Method   Saving Method RUN.M
17:42:59 09/10/21\n', ' 70 41e0 613b7d03   0\n', 'CP Macro   Analyzing rawdata 2
10910_Doc--006.D   17:42:59 09/10/21\n', ' 875 41e2 613b7d04   0\n', 'Meth
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41e2 613b7d05   0\n', 'Method   Method completed

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41e0 613f165b   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--006.D
11:14:03 09/13/21\n', ' 875 41e2 613f165c   0\n', 'Method   Saving Method DA.M
11:14:04 09/13/21\n', ' 3bf 41e2 613f165d   0\n', 'Method   Method completed
11:14:05 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
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1   0.005   57.22
2   0.010   58.68
3   0.015   59.16
4   0.020   60.56
..   ..
794   3.970   51.62
795   3.975   51.31
796   3.980   51.56
797   3.985   51.75
798   3.990   51.80

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\n', 'Method   inj# 1   17:43:01 09/10/21
\n', ' 3bf 41e2 613b7d07   0\n', 'Method   Instrument running a blank run
17:43:03 09/10/21\n', ' 70 1daf 613b7d0a   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   17:43:06 09/10/21\n', ' 70 1daf 613b7d17   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   17:43:19 09/10/21\n', ' 70 1
daf 613b7d2f   0\n', 'G1315C   1 G1315C:DE63055907 - Run   1
7:43:43 09/10/21\n', ' 70 1dac 613b7e1f   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   17:47:43 09/10/21\n', ' 70 1dae 613b7e1f   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   17:47:43 09/10/21\n', ' 70 1
daa 613b7e1f   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   1
7:47:43 09/10/21\n', ' 3bf 41e2 613b7e22   0\n', 'Method   Instrument run compl
eted   17:47:46 09/10/21\n', ' 875 41e2 613b7e23   0\n', 'Metho
d   Saving Method SAA_411_Doc.M   17:47:47 09/10/21\n', ' 875 4
1e2 613b7e23   0\n', 'Method   Saving Method RUN.M   1
7:47:47 09/10/21\n', ' 70 41e0 613b7e23   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--007.D   17:47:47 09/10/21\n', ' 875 41e2 613b7e24   0\n', 'Metho
d   Saving Method DA.M   17:47:48 09/10/21\n', ' 3bf 4
1e2 613b7e25   0\n', 'Method   Method completed   1
7:47:49 09/10/21\n', ' 443 41e2 613f165e   50\n', "Method   Method started: lin
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1e0 613f165e   0\n', 'CP Macro   Analyzing rawdata 210910_Doc--007.D   1
1:14:06 09/13/21\n', ' 875 41e2 613f165f   0\n', 'Method   Saving Method DA.M
11:14:07 09/13/21\n', ' 3bf 41e2 613f1660   0\n', 'Method   Method completed
11:14:08 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
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time': 3, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':   Time Sample - 21
0910_Doc--008
0   0.000   54.96
1   0.005   56.31
2   0.010   57.64

```
3    0.015                        58.92
4    0.020                        59.69
..     ...                         ...
795  3.975                        51.75
796  3.980                        51.47
797  3.985                        51.86
798  3.990                        51.93
799  3.995                        51.98

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\n', 'Method        inj# 1                                      17:47:49 09/10/21
\n', ' 3bf 41e2 613b7e27    0\n', 'Method        Instrument running sample from locat
ion P1-C2  17:47:51 09/10/21\n', '  70 1daf 613b7e29    0\n', 'G1315C      1 G1315C:D
E63055907 - Detector: Prepare          17:47:53 09/10/21\n', '  70 1daf 613b7e36
0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle          17:48:06 09/10/21
\n', '  70 1daf 613b7e4f    0\n', 'G1315C      1 G1315C:DE63055907 - Run
17:48:31 09/10/21\n', '  70 1dac 613b7f3f    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Postrun                   17:52:31 09/10/21\n', '  70 1dae 613b7f3f    0\n', 'G7116
B      2 G7116B:DEBAZ03738 - Postrun                   17:52:31 09/10/21\n', ' 3bf 4
1e2 613b7f41    0\n', 'Method        Instrument run completed                    1
7:52:33 09/10/21\n', ' 875 41e2 613b7f42    0\n', 'Method        Saving Method SAA_41
1_Doc.M                   17:52:34 09/10/21\n', ' 875 41e2 613b7f43    0\n', 'Metho
d        Saving Method RUN.M                            17:52:35 09/10/21\n', '  70 4
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7:52:35 09/10/21\n', ' 875 41e2 613b7f43    0\n', 'Method        Saving Method DA.M
17:52:35 09/10/21\n', ' 3bf 41e2 613b7f44    0\n', 'Method        Method completed
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od        inj# 1                                      11:14:09 09/13/21\n', '  70
41e0 613f1661    0\n', 'CP Macro      Analyzing rawdata 210910_Doc--008.D
11:14:09 09/13/21\n', ' 875 41e2 613f1662    0\n', 'Method        Saving Method DA.M
11:14:10 09/13/21\n', ' 3bf 41e2 613f1664    0\n', 'Method        Method completed
11:14:12 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
Start time: 11:14:12 09/13/21': {'Method': '210910_Doc 2021-09-10 17-13-54', 'Sample
': 'Sample - 210910_Doc--009', 'Runtype': 1, 'Start date': '11:14:12 09/13/21', 'Run
time': 3, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':      Time  Sample - 21
0910_Doc--009
0    0.000                        55.03
1    0.005                        56.42
2    0.010                        57.88
3    0.015                        59.05
4    0.020                        59.72
..     ...                         ...
795  3.975                        51.44
796  3.980                        52.02
797  3.985                        51.93
798  3.990                        51.86
799  3.995                        52.04

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\n', 'Method        inj# 1                                      17:52:36 09/10/21
\n', ' 3bf 41e2 613b7f46    0\n', 'Method        Instrument running sample from locat
ion P1-C3  17:52:38 09/10/21\n', '  70 1daf 613b7f49    0\n', 'G1315C      1 G1315C:D
E63055907 - Detector: Prepare          17:52:41 09/10/21\n', '  70 1daf 613b7f56
```

0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   17:52:54 09/10/21
\n', ' 70 1dac 613b7f6e   0\n', 'G7110B   1 G7110B:DEAEH01167 - Run
17:53:18 09/10/21\n', ' 70 1dac 613b805e   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   17:57:18 09/10/21\n', ' 70 1dae 613b805f   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   17:57:19 09/10/21\n', ' 70 1
daa 613b805f   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   1
7:57:19 09/10/21\n', ' 3bf 41e2 613b8061   0\n', 'Method   Instrument run compl
eted   17:57:21 09/10/21\n', ' 875 41e2 613b8063   0\n', 'Metho
d   Saving Method SAA_411_Doc.M   17:57:23 09/10/21\n', ' 875 4
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7:57:23 09/10/21\n', ' 70 41e0 613b8063   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--009.D   17:57:23 09/10/21\n', ' 875 41e2 613b8063   0\n', 'Metho
d   Saving Method DA.M   17:57:23 09/10/21\n', ' 3bf 4
1e2 613b8065   0\n', 'Method   Method completed   1
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1:14:12 09/13/21\n', ' 875 41e2 613f1665   0\n', 'Method   Saving Method DA.M
11:14:13 09/13/21\n', ' 3bf 41e2 613f1667   0\n', 'Method   Method completed
11:14:15 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
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time': 2, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':   Time Sample - 21
0910_Doc--010

	Time	Sample - 210910_Doc--010
0	0.000	55.22
1	0.005	56.91
2	0.010	57.15
3	0.015	58.74
4	0.020	59.41
..	...	...
795	3.975	51.98
796	3.980	52.04
797	3.985	52.17
798	3.990	52.17
799	3.995	51.75

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\n', "Method   ' inj# 1   17:57:25 09/10/21
\n", ' 3bf 41e2 613b8067   0\n', 'Method   Instrument running sample from locat
ion P1-C4 17:57:27 09/10/21\n', ' 70 1daf 613b8069   0\n', 'G1315C   1 G1315C:D
E63055907 - Detector: Prepare   17:57:29 09/10/21\n', ' 70 1daf 613b8076
0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   17:57:42 09/10/21
\n', ' 70 1daf 613b808f   0\n', 'G1315C   1 G1315C:DE63055907 - Run
17:58:07 09/10/21\n', ' 70 1dac 613b817f   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   18:02:07 09/10/21\n', ' 70 1dae 613b817f   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   18:02:07 09/10/21\n', ' 70 1
daa 613b817f   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   1
8:02:07 09/10/21\n', ' 3bf 41e2 613b8182   0\n', 'Method   Instrument run compl
eted   18:02:10 09/10/21\n', ' 875 41e2 613b8183   0\n', 'Metho
d   Saving Method SAA_411_Doc.M   18:02:11 09/10/21\n', ' 875 4
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8:02:11 09/10/21\n', ' 70 41e0 613b8183   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--010.D   18:02:11 09/10/21\n', ' 875 41e2 613b8184   0\n', 'Metho
d   Saving Method DA.M   18:02:12 09/10/21\n', ' 3bf 4

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1e2 613b8185    0\n', 'Method       Method completed                                    1
8:02:13 09/10/21\n', ' 443 41e2 613f1667   50\n', "Method       Method started:  lin
e# 10 at location 'P1-C4>  11:14:15 09/13/21\n", ' 443 41e2 613f1667   50\n', "Metho
d       ' inj# 1                                              11:14:15 09/13/21\n', '  70 4
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1:14:15 09/13/21\n', ' 875 41e2 613f1668    0\n', 'Method       Saving Method DA.M
11:14:16 09/13/21\n', ' 3bf 41e2 613f1669    0\n', 'Method       Method completed
11:14:17 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
Start time: 11:14:18 09/13/21': {'Method': '210910_Doc 2021-09-10 17-13-54', 'Sample
': 'Sample - 210910_Doc--011', 'Runtype': 1, 'Start date': '11:14:18 09/13/21', 'Run
time': 2, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':      Time  Sample - 21
0910_Doc--011
0    0.000               55.40
1    0.005               56.73
2    0.010               57.83
3    0.015               58.79
4    0.020               59.70
..    ...                 ...
795  3.975               51.56
796  3.980               51.75
797  3.985               51.80
798  3.990               51.93
799  3.995               51.93

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arted:  line# 11 at location 'P1-C5>  18:02:13 09/10/21\n", ' 443 41e2 613b8185    0
\n', "Method       ' inj# 1                                        18:02:13 09/10/21
\n", ' 3bf 41e2 613b8187    0\n', 'Method       Instrument running sample from locat
ion P1-C5  18:02:15 09/10/21\n', '  70 1daf 613b818a    0\n', 'G1315C     1 G1315C:D
E63055907 - Detector: Prepare          18:02:18 09/10/21\n', '  70 1daf 613b8196
0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle           18:02:30 09/10/21
\n', '  70 1dac 613b81af    0\n', 'G7110B     1 G7110B:DEAEH01167 - Run
18:02:55 09/10/21\n', '  70 1dac 613b829f    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                   18:06:55 09/10/21\n', '  70 1dae 613b829f    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                    18:06:55 09/10/21\n', '  70 1
daa 613b829f    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun                    1
8:06:55 09/10/21\n', ' 3bf 41e2 613b82a2    0\n', 'Method       Instrument run compl
eted                   18:06:58 09/10/21\n', ' 875 41e2 613b82a3    0\n', 'Metho
d       Saving Method SAA_411_Doc.M                  18:06:59 09/10/21\n', ' 875 4
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0910_Doc--011.D          18:06:59 09/10/21\n', ' 875 41e2 613b82a4    0\n', 'Metho
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8:07:01 09/10/21\n', ' 443 41e2 613f166a d158\n', "Method       Method started:  lin
e# 11 at location 'P1-C5>  11:14:18 09/13/21\n", ' 443 41e2 613f166a d158\n', "Metho
d       ' inj# 1                                              11:14:18 09/13/21\n', '  70 4
1e0 613f166a    0\n', 'CP Macro     Analyzing rawdata 210910_Doc--011.D            1
1:14:18 09/13/21\n', ' 875 41e2 613f166b    0\n', 'Method       Saving Method DA.M
11:14:19 09/13/21\n', ' 3bf 41e2 613f166c    0\n', 'Method       Method completed
11:14:20 09/13/21\n']}, 'Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 |
Start time: 11:14:20 09/13/21': {'Method': '210910_Doc 2021-09-10 17-13-54', 'Sample
': 'Sample - 210910_Doc--012', 'Runtype': 1, 'Start date': '11:14:20 09/13/21', 'Run
time': 3, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':      Time  Sample - 21
0910_Doc--012
0    0.000               55.51
```

```
1    0.005                    56.78
2    0.010                    58.37
3    0.015                    59.34
4    0.020                    59.78
..    ...                      ...
795  3.975                    51.62
796  3.980                    51.98
797  3.985                    51.98
798  3.990                    51.98
799  3.995                    52.22
```

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arted: line# 12 at location 'P1-C6> 18:07:01 09/10/21\n", ' 443 41e2 613b82a5 d3d4
\n', "Method   ' inj# 1   18:07:01 09/10/21
\n", ' 3bf 41e2 613b82a5   0\n', 'Method   Instrument running sample from locat
ion P1-C6 18:07:01 09/10/21\n', ' 70 1daf 613b82aa   0\n', 'G1315C   1 G1315C:D
E63055907 - Detector: Prepare   18:07:06 09/10/21\n', ' 70 1daf 613b82b7
0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   18:07:19 09/10/21
\n', ' 70 1dac 613b82cf   0\n', 'G7110B   1 G7110B:DEAEH01167 - Run
18:07:43 09/10/21\n', ' 70 1dae 613b83c0   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   18:11:44 09/10/21\n', ' 70 1dac 613b83c0   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   18:11:44 09/10/21\n', ' 3bf 4
1e2 613b83c2   0\n', 'Method   Instrument run completed   1
8:11:46 09/10/21\n', ' 875 41e2 613b83c3   0\n', 'Method   Saving Method SAA_41
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11:14:21 09/13/21\n', ' 875 41e2 613f166e   0\n', 'Method   Saving Method DA.M
11:14:22 09/13/21\n', ' 3bf 41e2 613f166f   0\n', 'Method   Method completed
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0910_Doc--013

```
0    0.000                    55.14
1    0.005                    56.78
2    0.010                    57.64
3    0.015                    58.61
4    0.020                    59.52
..    ...                      ...
795  3.975                    51.62
796  3.980                    51.86
797  3.985                    51.86
798  3.990                    52.22
799  3.995                    52.48
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Postrun   18:16:32 09/10/21\n', ' 70 1dae 613b84e0   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   18:16:32 09/10/21\n', ' 3bf 4
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18:16:36 09/10/21\n', ' 3bf 41e2 613b84e6   0\n', 'Method   Method completed
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11:14:24 09/13/21\n', ' 875 41e2 613f1671   0\n', 'Method   Saving Method DA.M
11:14:25 09/13/21\n', ' 3bf 41e2 613f1672   0\n', 'Method   Method completed
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1   0.005   56.18
2   0.010   57.09
3   0.015   58.14
4   0.020   59.23
..   ..
795 3.975   51.07
796 3.980   51.80
797 3.985   51.80
798 3.990   51.98
799 3.995   52.11

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Detector: Prepare   18:16:42 09/10/21\n', ' 70 1daf 613b84f7   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   18:16:55 09/10/21\n', ' 70 1
dac 613b850f   0\n', 'G7110B   1 G7110B:DEAEH01167 - Run   1
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Postrun   18:21:20 09/10/21\n', ' 70 1daa 613b8600   0\n', 'G1316
B   1 G1316B:DE60555985 - Postrun   18:21:20 09/10/21\n', ' 70 1
dae 613b8600   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
8:21:20 09/10/21\n', ' 3bf 41e2 613b8603   0\n', 'Method   Instrument run compl
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8:21:24 09/10/21\n', ' 70 41e0 613b8604   0\n', 'CP Macro   Analyzing rawdata 21
0910_Doc--014.D   18:21:24 09/10/21\n', ' 875 41e2 613b8604   0\n', 'Metho
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1:14:28 09/13/21\n', ' 875 41e2 613f1675   0\n', 'Method   Saving Method DA.M
11:14:29 09/13/21\n', ' 3bf 41e2 613f1676   0\n', 'Method   Method completed
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0910_Doc--015

```
0    0.000                  54.36
1    0.005                  56.00
2    0.010                  56.55
3    0.015                  58.01
4    0.020                  58.92
..    ...                    ...
795  3.975                  51.93
796  3.980                  51.80
797  3.985                  52.04
798  3.990                  52.17
799  3.995                  52.11
```

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\n", ' 3bf 41e2 613b8607   0\n', 'Method   Instrument running sample from locat
ion P1-C1 18:21:27 09/10/21\n', ' 70 1daf 613b860a   0\n', 'G1315C   1 G1315C:D
E63055907 - Detector: Prepare   18:21:30 09/10/21\n', ' 70 1daf 613b8617
0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   18:21:43 09/10/21
\n', ' 70 1daf 613b862f   0\n', 'G1315C   1 G1315C:DE63055907 - Run
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Postrun   18:26:07 09/10/21\n', ' 70 1dae 613b871f   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   18:26:07 09/10/21\n', ' 70 1
daa 613b871f   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   1
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0910_Doc--015.D   18:26:11 09/10/21\n', ' 875 41e2 613b8723   0\n', 'Metho
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1:14:33 09/13/21\n', ' 875 41e2 613f1679   0\n', 'Method   Saving Method DA.M
11:14:33 09/13/21\n', ' 3bf 41e2 613f167a   0\n', 'Method   Method completed
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```
0    0.000              54.41
1    0.005              55.95
2    0.010              57.28
```

```
3    0.015                 58.24
4    0.020                 59.10
..   ...                   ...
795  3.975                 51.93
796  3.980                 52.04
797  3.985                 52.22
798  3.990                 52.29
799  3.995                 52.35

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Detector: Prepare              18:26:17 09/10/21\n', '  70 1daf 613b8736    0\n', 'G1315
C      1 G1315C:DE63055907 - Detector: Idle              18:26:30 09/10/21\n', '  70 1
dac 613b874e    0\n', 'G7110B      1 G7110B:DEAEH01167 - Run                        1
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Postrun              18:30:55 09/10/21\n', '  70 1dae 613b883f    0\n', 'G7116
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1_Doc.M              18:30:58 09/10/21\n', ' 875 41e2 613b8842    0\n', 'Metho
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0    0.000                 57.51
1    0.005                 59.05
2    0.010                 60.20
3    0.015                 61.42
4    0.020                 62.02
..   ...                   ...
795  3.975                 52.53
796  3.980                 52.53
797  3.985                 52.90
798  3.990                 52.90
799  3.995                 52.77

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\n', ' 3bf 41e2 613b7638    0\n', 'Method        Instrument running a blank run
17:14:00 09/10/21\n', '  70 1dac 613b7638    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Pump on              17:14:00 09/10/21\n', '  70 1dad 613b763a    0\n', 'G1312
B      2 G1312B:DE63056112 - Pump on                      17:14:02 09/10/21\n', '  70 1
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daf 613b7649   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Prepare   1
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Detector: Idle   17:14:30 09/10/21\n', ' 70 1daf 613b766f   0\n', 'G1315
C   1 G1315C:DE63055907 - Run   17:14:55 09/10/21\n', ' 70 1
dac 613b775f   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   1
7:18:55 09/10/21\n', ' 70 1dae 613b7760   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   17:18:56 09/10/21\n', ' 3bf 41e2 613b7762   0\n', 'Metho
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11:13:48 09/13/21\n', ' 875 41e2 613f164c   0\n', 'Method   Saving Method DA.M
11:13:48 09/13/21\n', ' 3bf 41e2 613f164d   0\n', 'Method   Method completed
11:13:49 09/13/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
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002-blank
0   0.000   99.93
1   0.005   102.41
2   0.010   104.31
3   0.015   105.65
4   0.020   107.29
..   ..
995 4.975   119.33
996 4.980   119.10
997 4.985   119.02
998 4.990   119.15
999 4.995   118.97

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Run   10:32:49 08/27/21\n', ' 70 1dac 6128a45e   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:37:50 08/27/21\n', ' 70 1
dae 6128a45e   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
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Postrun   10:37:50 08/27/21\n', ' 3bf 41e2 6128a461   0\n', 'Metho
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10:37:54 08/27/21\n', ' 70 41e0 6128a462   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--002.D   10:37:54 08/27/21\n', ' 875 41e2 6128a462   0\n', 'Meth
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003-blank
0   0.000   100.90
1   0.005   102.96
2   0.010   103.64
3   0.015   106.14
4   0.020   107.34
..   ..
995 4.975   119.33
996 4.980   118.97
997 4.985   118.91
998 4.990   119.39
999 4.995   119.10

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0\n', 'Method   inj# 3   10:37:55 08/27/21
\n', ' 3bf 41e2 6128a465   0\n', 'Method   Instrument running a blank run
10:37:57 08/27/21\n', ' 70 1daf 6128a482   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   10:38:26 08/27/21\n', ' 70 1dac 6128a5ae   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:43:26 08/27/21\n', ' 70 1
dae 6128a5ae   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
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eted   10:43:29 08/27/21\n', ' 875 41e2 6128a5b2   0\n', 'Metho
d   Saving Method SAA_411_Irino.M   10:43:30 08/27/21\n', ' 875 4
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0827_Irino2--003.D   10:43:31 08/27/21\n', ' 875 41e2 6128a5b3   0\n', 'Metho
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004-blank
0   0.000   101.26
1   0.005   103.58
2   0.010   104.73
3   0.015   106.61
4   0.020   107.89
..   ..
995 4.975   119.39
996 4.980   119.21
997 4.985   119.21
998 4.990   119.10
999 4.995   119.21

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4\n', 'Method   inj# 4   10:43:32 08/27/21
\n', ' 3bf 41e2 6128a5b6   0\n', 'Method   Instrument running a blank run
10:43:34 08/27/21\n', ' 70 1dac 6128a5d2   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Run   10:44:02 08/27/21\n', ' 70 1dac 6128a6fe   0\n', 'G7110

B   1 G7110B:DEAEH01167 - Postrun   10:49:02 08/27/21\n', ' 70 1
dae 6128a6ff   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
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eted   10:49:06 08/27/21\n', ' 875 41e2 6128a702   0\n', 'Metho
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1e2 6128a703   0\n', 'Method   Saving Method RUN.M   1
0:49:07 08/27/21\n', ' 70 41e0 6128a703   0\n', 'CP Macro   Analyzing rawdata 21
0827_Irino2--004.D   10:49:07 08/27/21\n', ' 875 41e2 6128a703   0\n', 'Metho
d   Saving Method DA.M   10:49:07 08/27/21\n', ' 70 4
1e0 6128a704   0\n', 'CP Macro   Report could not be created.   1
0:49:08 08/27/21\n', ' 3bf 41e2 6128a704   0\n', 'Method   Method completed
10:49:08 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 10:49:08 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 005-blank', 'Runtype': 0, 'Start date': '10:49:08 08/27/21', 'Ru
ntime': 336, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time   Sample -
005-blank
0   0.000   101.26
1   0.005   103.87
2   0.010   105.77
3   0.015   106.80
4   0.020   108.07
..   ..
995   4.975   119.57
996   4.980   119.10
997   4.985   119.02
998   4.990   119.28
999   4.995   119.39

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c\n', 'Method   inj# 5   10:49:08 08/27/21
\n', ' 3bf 41e2 6128a706   0\n', 'Method   Instrument running a blank run
10:49:10 08/27/21\n', ' 70 1daf 6128a723   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   10:49:39 08/27/21\n', ' 70 1dac 6128a84f   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:54:39 08/27/21\n', ' 70 1
dae 6128a84f   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:54:39 08/27/21\n', ' 3bf 41e2 6128a852   0\n', 'Method   Instrument run compl
eted   10:54:42 08/27/21\n', ' 875 41e2 6128a853   0\n', 'Metho
d   Saving Method SAA_411_Irino.M   10:54:43 08/27/21\n', ' 875 4
1e2 6128a853   0\n', 'Method   Saving Method RUN.M   1
0:54:43 08/27/21\n', ' 70 41e0 6128a853   0\n', 'CP Macro   Analyzing rawdata 21
0827_Irino2--005.D   10:54:43 08/27/21\n', ' 875 41e2 6128a854   0\n', 'Metho
d   Saving Method DA.M   10:54:44 08/27/21\n', ' 70 4
1e0 6128a854   0\n', 'CP Macro   Report could not be created.   1
0:54:44 08/27/21\n', ' 3bf 41e2 6128a854   0\n', 'Method   Method completed
10:54:44 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 10:54:44 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 210827_Irino2--006', 'Runtype': 1, 'Start date': '10:54:44 08/2
7/21', 'Runtime': 337, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time
Sample - 210827_Irino2--006
0   0.000   101.50
1   0.005   103.64
2   0.010   105.10
3   0.015   106.43
4   0.020   108.02
..   ..

```
995  4.975                          119.15
996  4.980                          118.97
997  4.985                          119.21
998  4.990                          119.15
999  4.995                          118.97

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tarted:  line# 6 at location 'P1-F2'>  10:54:44 08/27/21\n", ' 443 41e2 6128a854 d3a
4\n', 'Method        inj# 1                                      10:54:44 08/27/21
\n', ' 3bf 41e2 6128a856    0\n', 'Method        Instrument running sample from locat
ion P1-F2  10:54:46 08/27/21\n', '  70 1daf 6128a873    0\n', 'G1315C      1 G1315C:D
E63055907 - Run                       10:55:15 08/27/21\n', '  70 1dae 6128a99f
0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                  11:00:15 08/27/21
\n', ' 3bf 41e2 6128a9a2    0\n', 'Method        Instrument run completed
11:00:18 08/27/21\n', ' 875 41e2 6128a9a3    0\n', 'Method        Saving Method SAA_4
11_Irino.M                   11:00:19 08/27/21\n', ' 875 41e2 6128a9a4    0\n', 'Meth
od        Saving Method RUN.M                             11:00:20 08/27/21\n', '  70
41e0 6128a9a4    0\n', 'CP Macro      Analyzing rawdata 210827_Irino2--006.D
11:00:20 08/27/21\n', ' 875 41e2 6128a9a4    0\n', 'Method        Saving Method DA.M
11:00:20 08/27/21\n', '  70 41e0 6128a9a4    0\n', 'CP Macro      Report could not be
created.                 11:00:20 08/27/21\n', ' 3bf 41e2 6128a9a5    0\n', 'Metho
d        Method completed                          11:00:21 08/27/21\n']}, 'Devi
ce Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 11:00:21 08/2
7/21': {'Method': '210827_Irino2 2021-08-27 10-26-23', 'Sample': 'Sample - 007-blan
k', 'Runtype': 0, 'Start date': '11:00:21 08/27/21', 'Runtime': 336, 'Idle time': 'N
A', 'Number of Trials': 1, 'Curve':        Time  Sample - 007-blank
0    0.000          100.04
1    0.005          101.68
2    0.010          104.37
3    0.015          105.46
4    0.020          106.87
..    ...              ...
995  4.975          119.39
996  4.980          119.33
997  4.985          119.02
998  4.990          119.52
999  4.995          119.15

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tarted:  line# 7 at location 'P1-F1'>  11:00:21 08/27/21\n", ' 443 41e2 6128a9a5 474
c\n', 'Method        inj# 1                                      11:00:21 08/27/21
\n', ' 3bf 41e2 6128a9a7    0\n', 'Method        Instrument running a blank run
11:00:23 08/27/21\n', '  70 1dac 6128a9c4    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                      11:00:52 08/27/21\n', '  70 1dac 6128aaf0    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                  11:05:52 08/27/21\n', '  70 1
dae 6128aaf0    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                    1
1:05:52 08/27/21\n', ' 3bf 41e2 6128aaf3    0\n', 'Method        Instrument run compl
eted                   11:05:55 08/27/21\n', ' 875 41e2 6128aaf4    0\n', 'Metho
d        Saving Method SAA_411_Irino.M                 11:05:56 08/27/21\n', ' 875 4
1e2 6128aaf4    0\n', 'Method        Saving Method RUN.M                          1
1:05:56 08/27/21\n', '  70 41e0 6128aaf4    0\n', 'CP Macro      Analyzing rawdata 21
0827_Irino2--007.D        11:05:56 08/27/21\n', ' 875 41e2 6128aaf4    0\n', 'Metho
d        Saving Method DA.M                             11:05:56 08/27/21\n', '  70 4
1e0 6128aaf5    0\n', 'CP Macro      Report could not be created.                 1
1:05:57 08/27/21\n', ' 3bf 41e2 6128aaf5    0\n', 'Method        Method completed
11:05:57 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
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3 | Start time: 11:05:57 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
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7/21', 'Runtime': 336, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time
Sample - 210827_Irino2--008
0   0.000   102.36
1   0.005   103.95
2   0.010   105.52
3   0.015   106.01
4   0.020   108.38
..   ..
995 4.975   118.97
996 4.980   118.97
997 4.985   119.39
998 4.990   119.28
999 4.995   119.21

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128aaf5 474c\n', "Method   Method s
tarted: line# 8 at location 'P1-F3'> 11:05:57 08/27/21\n", ' 443 41e2 6128aaf5 474
c\n', 'Method   inj# 1   11:05:57 08/27/21
\n', ' 3bf 41e2 6128aaf7   0\n', 'Method   Instrument running sample from locat
ion P1-F3 11:05:59 08/27/21\n', ' 70 1dac 6128ab14   0\n', 'G7110B   1 G7110B:D
EAEH01167 - Run   11:06:28 08/27/21\n', ' 70 1dac 6128ac40
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:11:28 08/27/21
\n', ' 70 1dae 6128ac40   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:11:28 08/27/21\n', ' 70 1daa 6128ac40   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   11:11:28 08/27/21\n', ' 3bf 41e2 6128ac43   0\n', 'Metho
d   Instrument run completed   11:11:31 08/27/21\n', ' 875 4
1e2 6128ac44   0\n', 'Method   Saving Method SAA_411_Irino.M   1
1:11:32 08/27/21\n', ' 875 41e2 6128ac44   0\n', 'Method   Saving Method RUN.M
11:11:32 08/27/21\n', ' 70 41e0 6128ac45   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--008.D   11:11:33 08/27/21\n', ' 875 41e2 6128ac45   0\n', 'Meth
od   Saving Method DA.M   11:11:33 08/27/21\n', ' 70
41e0 6128ac45   0\n', 'CP Macro   Report could not be created.
11:11:33 08/27/21\n', ' 3bf 41e2 6128ac45   0\n', 'Method   Method completed
11:11:33 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:11:34 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
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ntime': 336, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample -
009-blank
0   0.000   102.41
1   0.005   104.31
2   0.010   106.25
3   0.015   107.34
4   0.020   108.69
..   ..
995 4.975   119.39
996 4.980   119.28
997 4.985   119.10
998 4.990   119.57
999 4.995   119.28

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128ac46 4700\n', "Method   Method s
tarted: line# 9 at location 'P1-F1'> 11:11:34 08/27/21\n", ' 443 41e2 6128ac46 470
0\n', 'Method   inj# 1   11:11:34 08/27/21
\n', ' 3bf 41e2 6128ac48   0\n', 'Method   Instrument running a blank run
11:11:36 08/27/21\n', ' 70 1daf 6128ac64   0\n', 'G1315C   1 G1315C:DE63055907 -

```
Run                           11:12:04 08/27/21\n', '  70 1dae 6128ad91     0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                        11:17:05 08/27/21\n', '  70 1
dac 6128ad91     0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun                      1
1:17:05 08/27/21\n', ' 3bf 41e2 6128ad94     0\n', 'Method         Instrument run compl
eted                          11:17:08 08/27/21\n', ' 875 41e2 6128ad95     0\n', 'Metho
d         Saving Method SAA_411_Irino.M                       11:17:09 08/27/21\n', ' 875 4
1e2 6128ad95     0\n', 'Method         Saving Method RUN.M                             1
1:17:09 08/27/21\n', '  70 41e0 6128ad95     0\n', 'CP Macro      Analyzing rawdata 21
0827_Irino2--009.D           11:17:09 08/27/21\n', ' 875 41e2 6128ad95     0\n', 'Metho
d         Saving Method DA.M                               11:17:09 08/27/21\n', '  70 4
1e0 6128ad96     0\n', 'CP Macro      Report could not be created.                   1
1:17:10 08/27/21\n', ' 3bf 41e2 6128ad96     0\n', 'Method        Method completed
11:17:10 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:17:10 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 210827_Irino2--010', 'Runtype': 1, 'Start date': '11:17:10 08/2
7/21', 'Runtime': 337, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':        Time
Sample - 210827_Irino2--010
0    0.000                       102.96
1    0.005                       104.50
2    0.010                       105.83
3    0.015                       107.34
4    0.020                       108.57
..    ...                         ...
995  4.975                       119.15
996  4.980                       119.21
997  4.985                       119.10
998  4.990                       119.02
999  4.995                       119.21

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128ad96 4700\n', "Method        Method s
tarted:  line# 10 at location 'P1-F7>  11:17:10 08/27/21\n", ' 443 41e2 6128ad96 470
0\n', "Method        ' inj# 1                                   11:17:10 08/27/21
\n", ' 3bf 41e2 6128ad98     0\n', 'Method        Instrument running sample from locat
ion P1-F7  11:17:12 08/27/21\n', '  70 1daf 6128adb5     0\n', 'G1315C     1 G1315C:D
E63055907 - Run                        11:17:41 08/27/21\n', '  70 1dac 6128aee1
0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun                     11:22:41 08/27/21
\n', '  70 1dae 6128aee2     0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun
11:22:42 08/27/21\n', '  70 1daa 6128aee2     0\n', 'G1316B     1 G1316B:DE60555985 -
Postrun                       11:22:42 08/27/21\n', ' 3bf 41e2 6128aee4     0\n', 'Metho
d         Instrument run completed                        11:22:44 08/27/21\n', ' 875 4
1e2 6128aee5     0\n', 'Method         Saving Method SAA_411_Irino.M                      1
1:22:45 08/27/21\n', ' 875 41e2 6128aee6     0\n', 'Method         Saving Method RUN.M
11:22:46 08/27/21\n', '  70 41e0 6128aee6     0\n', 'CP Macro      Analyzing rawdata 2
10827_Irino2--010.D           11:22:46 08/27/21\n', ' 875 41e2 6128aee6     0\n', 'Meth
od         Saving Method DA.M                               11:22:46 08/27/21\n', '  70
41e0 6128aee7     0\n', 'CP Macro      Report could not be created.
11:22:47 08/27/21\n', ' 3bf 41e2 6128aee7     0\n', 'Method        Method completed
11:22:47 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:22:47 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
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7/21', 'Runtime': 337, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':        Time
Sample - 210827_Irino2--011
0    0.000                       102.78
1    0.005                       104.50
2    0.010                       106.25
3    0.015                       107.23
```

```
4    0.020                        108.20
..    ...                         ...
995  4.975                        119.33
996  4.980                        119.28
997  4.985                        119.52
998  4.990                        119.39
999  4.995                        119.46
```

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128aee7   0\n', "Method   Method s
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0\n', "Method   ' inj# 1   11:22:47 08/27/21
\n", ' 3bf 41e2 6128aee9   0\n', 'Method   Instrument running sample from locat
ion P1-F8 11:22:49 08/27/21\n', ' 70 1daf 6128af05   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:23:17 08/27/21\n', ' 70 1dae 6128b032
0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   11:28:18 08/27/21
\n', ' 70 1dac 6128b032   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun
11:28:18 08/27/21\n', ' 70 1daa 6128b032   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   11:28:18 08/27/21\n', ' 3bf 41e2 6128b035   0\n', 'Metho
d   Instrument run completed   11:28:21 08/27/21\n', ' 875 4
1e2 6128b036   0\n', 'Method   Saving Method SAA_411_Irino.M   1
1:28:22 08/27/21\n', ' 875 41e2 6128b037   0\n', 'Method   Saving Method RUN.M
11:28:23 08/27/21\n', ' 70 41e0 6128b037   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--011.D   11:28:23 08/27/21\n', ' 875 41e2 6128b037   0\n', 'Meth
od   Saving Method DA.M   11:28:23 08/27/21\n', ' 70
41e0 6128b038   0\n', 'CP Macro   Report could not be created.
11:28:24 08/27/21\n', ' 3bf 41e2 6128b038   0\n', 'Method   Method completed
11:28:24 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:28:24 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 210827_Irino2--012', 'Runtype': 1, 'Start date': '11:28:24 08/2
7/21', 'Runtime': 336, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time
Sample - 210827_Irino2--012
```

```
0    0.000                        100.85
1    0.005                        102.31
2    0.010                        104.97
3    0.015                        106.19
4    0.020                        107.53
..    ...                         ...
995  4.975                        119.10
996  4.980                        118.84
997  4.985                        119.10
998  4.990                        118.97
999  4.995                        118.97
```

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128b038 d3a4\n', "Method   Method s
tarted: line# 12 at location 'P1-F9> 11:28:24 08/27/21\n", ' 443 41e2 6128b038 d3a
4\n', "Method   ' inj# 1   11:28:24 08/27/21
\n", ' 3bf 41e2 6128b03a   0\n', 'Method   Instrument running sample from locat
ion P1-F9 11:28:26 08/27/21\n', ' 70 1daf 6128b056   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:28:54 08/27/21\n', ' 70 1dac 6128b183
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:33:55 08/27/21
\n', ' 70 1dae 6128b183   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:33:55 08/27/21\n', ' 70 1daa 6128b183   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   11:33:55 08/27/21\n', ' 3bf 41e2 6128b186   0\n', 'Metho
d   Instrument run completed   11:33:58 08/27/21\n', ' 875 4
1e2 6128b187   0\n', 'Method   Saving Method SAA_411_Irino.M   1
1:33:59 08/27/21\n', ' 875 41e2 6128b187   0\n', 'Method   Saving Method RUN.M
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11:33:59 08/27/21\n', ' 70 41e0 6128b187   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--012.D   11:33:59 08/27/21\n', ' 875 41e2 6128b187   0\n', 'Meth
od   Saving Method DA.M   11:33:59 08/27/21\n', ' 70
41e0 6128b188   0\n', 'CP Macro   Report could not be created.
11:34:00 08/27/21\n', ' 3bf 41e2 6128b188   0\n', 'Method   Method completed
11:34:00 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:34:00 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 210827_Irino2--013', 'Runtype': 1, 'Start date': '11:34:00 08/2
7/21', 'Runtime': 338, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time
Sample - 210827_Irino2--013
0   0.000   100.53
1   0.005   103.09
2   0.010   105.10
3   0.015   106.50
4   0.020   107.60
..   ..
995 4.975   118.84
996 4.980   119.15
997 4.985   118.97
998 4.990   118.97
999 4.995   119.13

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128b188 474c\n', "Method   Method s
tarted: line# 13 at location 'P1-D2> 11:34:00 08/27/21\n", ' 443 41e2 6128b188 474
c\n', "Method   ' inj# 1   11:34:00 08/27/21
\n", ' 3bf 41e2 6128b18a   0\n', 'Method   Instrument running sample from locat
ion P1-D2 11:34:02 08/27/21\n', ' 70 1daf 6128b1a8   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:34:32 08/27/21\n', ' 70 1dac 6128b2d4
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:39:32 08/27/21
\n', ' 70 1dae 6128b2d4   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:39:32 08/27/21\n', ' 70 1daa 6128b2d4   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   11:39:32 08/27/21\n', ' 3bf 41e2 6128b2d7   0\n', 'Metho
d   Instrument run completed   11:39:35 08/27/21\n', ' 875 4
1e2 6128b2d8   0\n', 'Method   Saving Method SAA_411_Irino.M   1
1:39:36 08/27/21\n', ' 875 41e2 6128b2d9   0\n', 'Method   Saving Method RUN.M
11:39:37 08/27/21\n', ' 70 41e0 6128b2d9   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--013.D   11:39:37 08/27/21\n', ' 875 41e2 6128b2d9   0\n', 'Meth
od   Saving Method DA.M   11:39:37 08/27/21\n', ' 70
41e0 6128b2da   0\n', 'CP Macro   Report could not be created.
11:39:38 08/27/21\n', ' 3bf 41e2 6128b2da   0\n', 'Method   Method completed
11:39:38 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:39:38 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 210827_Irino2--014', 'Runtype': 1, 'Start date': '11:39:38 08/2
7/21', 'Runtime': 337, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time
Sample - 210827_Irino2--014
0   0.000   102.78
1   0.005   104.79
2   0.010   106.25
3   0.015   107.34
4   0.020   108.07
..   ..
994 4.970   118.66
995 4.975   118.97
996 4.980   118.73
997 4.985   118.73
998 4.990   119.02

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arted: line# 14 at location 'P1-D3> 11:39:38 08/27/21\n", ' 443 41e2 6128b2da 474c
\n', "Method   ' inj# 1   11:39:38 08/27/21
\n", ' 3bf 41e2 6128b2dc   0\n', 'Method   Instrument running sample from locat
ion P1-D3 11:39:40 08/27/21\n', ' 70 1daf 6128b2f9   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:40:09 08/27/21\n', ' 70 1dac 6128b426
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:45:10 08/27/21
\n', ' 70 1dae 6128b426   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:45:10 08/27/21\n', ' 3bf 41e2 6128b428   0\n', 'Method   Instrument run comp
leted   11:45:12 08/27/21\n', ' 875 41e2 6128b429   0\n', 'Meth
od   Saving Method SAA_411_Irino.M   11:45:13 08/27/21\n', ' 875
41e2 6128b42a   0\n', 'Method   Saving Method RUN.M
11:45:14 08/27/21\n', ' 70 41e0 6128b42a   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--014.D   11:45:14 08/27/21\n', ' 875 41e2 6128b42a   0\n', 'Meth
od   Saving Method DA.M   11:45:14 08/27/21\n', ' 70
41e0 6128b42a   0\n', 'CP Macro   Report could not be created.
11:45:14 08/27/21\n', ' 3bf 41e2 6128b42b   0\n', 'Method   Method completed
11:45:15 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:45:15 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 210827_Irino2--015', 'Runtype': 1, 'Start date': '11:45:15 08/2
7/21', 'Runtime': 337, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time
Sample - 210827_Irino2--015
0   0.000   102.54
1   0.005   104.24
2   0.010   106.14
3   0.015   107.34
4   0.020   108.51
..   ..
995 4.975   118.97
996 4.980   119.28
997 4.985   118.79
998 4.990   118.84
999 4.995   118.73

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128b42b d3a4\n', "Method   Method s
tarted: line# 15 at location 'P1-D4> 11:45:15 08/27/21\n", ' 443 41e2 6128b42b d3a
4\n', "Method   ' inj# 1   11:45:15 08/27/21
\n", ' 3bf 41e2 6128b42d   0\n', 'Method   Instrument running sample from locat
ion P1-D4 11:45:17 08/27/21\n', ' 70 1daf 6128b44a   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:45:46 08/27/21\n', ' 70 1dac 6128b576
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:50:46 08/27/21
\n', ' 70 1dae 6128b576   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:50:46 08/27/21\n', ' 3bf 41e2 6128b579   0\n', 'Method   Instrument run comp
leted   11:50:49 08/27/21\n', ' 875 41e2 6128b57a   0\n', 'Meth
od   Saving Method SAA_411_Irino.M   11:50:50 08/27/21\n', ' 875
41e2 6128b57b   0\n', 'Method   Saving Method RUN.M
11:50:51 08/27/21\n', ' 70 41e0 6128b57b   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--015.D   11:50:51 08/27/21\n', ' 875 41e2 6128b57b   0\n', 'Meth
od   Saving Method DA.M   11:50:51 08/27/21\n', ' 70
41e0 6128b57b   0\n', 'CP Macro   Report could not be created.
11:50:51 08/27/21\n', ' 3bf 41e2 6128b57c   0\n', 'Method   Method completed
11:50:52 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:50:52 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 016-blank', 'Runtype': 0, 'Start date': '11:50:52 08/27/21', 'Ru
ntime': 336, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample -

```
016-blank
0    0.000           114.90
1    0.005           104.19
2    0.010           105.46
3    0.015           106.56
4    0.020           108.07
..     ...               ...
995  4.975           118.97
996  4.980           118.79
997  4.985           119.21
998  4.990           118.97
999  4.995           118.91
```

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tarted: line# 16 at location 'P1-F1> 11:50:52 08/27/21\n", ' 443 41e2 6128b57c d3a
4\n', "Method   ' inj# 1   11:50:52 08/27/21
\n", ' 3bf 41e2 6128b57e   0\n', 'Method   Instrument running a blank run
11:50:54 08/27/21\n', ' 70 1dac 6128b59a   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Run   11:51:22 08/27/21\n', ' 70 1dac 6128b6c7   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   11:56:23 08/27/21\n', ' 70 1
dae 6128b6c7   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
1:56:23 08/27/21\n', ' 3bf 41e2 6128b6ca   0\n', 'Method   Instrument run compl
eted   11:56:26 08/27/21\n', ' 875 41e2 6128b6cb   0\n', 'Metho
d   Saving Method SAA_411_Irino.M   11:56:27 08/27/21\n', ' 875 4
1e2 6128b6cb   0\n', 'Method   Saving Method RUN.M   1
1:56:27 08/27/21\n', ' 70 41e0 6128b6cb   0\n', 'CP Macro   Analyzing rawdata 21
0827_Irino2--016.D   11:56:27 08/27/21\n', ' 875 41e2 6128b6cb   0\n', 'Metho
d   Saving Method DA.M   11:56:27 08/27/21\n', ' 70 4
1e0 6128b6cc   0\n', 'CP Macro   Report could not be created.   1
1:56:28 08/27/21\n', ' 3bf 41e2 6128b6cc   0\n', 'Method   Method completed
11:56:28 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 11:56:28 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 210827_Irino2--017', 'Runtype': 1, 'Start date': '11:56:28 08/2
7/21', 'Runtime': 336, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time
Sample - 210827_Irino2--017

```
0    0.000               99.93
1    0.005              102.05
2    0.010              103.95
3    0.015              105.65
4    0.020              106.98
..     ...                 ...
995  4.975              119.10
996  4.980              119.02
997  4.985              118.84
998  4.990              118.91
999  4.995              118.97
```

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128b6cc 474c\n', "Method   Method s
tarted: line# 17 at location 'P1-F3> 11:56:28 08/27/21\n", ' 443 41e2 6128b6cc 474
c\n', "Method   ' inj# 1   11:56:28 08/27/21
\n", ' 3bf 41e2 6128b6ce   0\n', 'Method   Instrument running sample from locat
ion P1-F3 11:56:30 08/27/21\n', ' 70 1daf 6128b6eb   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:56:59 08/27/21\n', ' 70 1dac 6128b817
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   12:01:59 08/27/21
\n', ' 70 1dae 6128b817   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
12:01:59 08/27/21\n', ' 70 1daa 6128b817   0\n', 'G1316B   1 G1316B:DE60555985 -

Postrun   12:01:59 08/27/21\n', ' 3bf 41e2 6128b81a   0\n', 'Metho
d   Instrument run completed   12:02:02 08/27/21\n', ' 875 4
1e2 6128b81b   0\n', 'Method   Saving Method SAA_411_Irino.M   1
2:02:03 08/27/21\n', ' 875 41e2 6128b81b   0\n', 'Method   Saving Method RUN.M
12:02:03 08/27/21\n', ' 70 41e0 6128b81b   0\n', 'CP Macro   Analyzing rawdata 2
10827_Irino2--017.D   12:02:03 08/27/21\n', ' 875 41e2 6128b81c   0\n', 'Meth
od   Saving Method DA.M   12:02:04 08/27/21\n', ' 70
41e0 6128b81c   0\n', 'CP Macro   Report could not be created.
12:02:04 08/27/21\n', ' 3bf 41e2 6128b81c   0\n', 'Method   Method completed
12:02:04 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 12:02:04 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
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ntime': 337, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample -
018-blank

	Time	Sample - 018-blank
0	0.000	101.87
1	0.005	103.69
2	0.010	105.15
3	0.015	105.83
4	0.020	108.07
..	...	...
995	4.975	118.91
996	4.980	118.60
997	4.985	119.02
998	4.990	118.84
999	4.995	118.55

[1000 rows x 2 columns], 'Log': [' 443 41e2 6128b81c d3a4\n', "Method   Method s
tarted: line# 18 at location 'P1-F1> 12:02:04 08/27/21\n", ' 443 41e2 6128b81c d3a
4\n', "Method   ' inj# 1   12:02:04 08/27/21
\n", ' 3bf 41e2 6128b81f   0\n', 'Method   Instrument running a blank run
12:02:07 08/27/21\n', ' 70 1dac 6128b83b   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Run   12:02:35 08/27/21\n', ' 70 1dac 6128b968   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   12:07:36 08/27/21\n', ' 70 1
daa 6128b968   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   1
2:07:36 08/27/21\n', ' 3bf 41e2 6128b96b   0\n', 'Method   Instrument run compl
eted   12:07:39 08/27/21\n', ' 875 41e2 6128b96b   0\n', 'Metho
d   Saving Method SAA_411_Irino.M   12:07:39 08/27/21\n', ' 875 4
1e2 6128b96c   0\n', 'Method   Saving Method RUN.M   1
2:07:40 08/27/21\n', ' 70 41e0 6128b96c   0\n', 'CP Macro   Analyzing rawdata 21
0827_Irino2--018.D   12:07:40 08/27/21\n', ' 875 41e2 6128b96c   0\n', 'Metho
d   Saving Method DA.M   12:07:40 08/27/21\n', ' 70 4
1e0 6128b96c   0\n', 'CP Macro   Report could not be created.   1
2:07:40 08/27/21\n', ' 3bf 41e2 6128b96d   0\n', 'Method   Method completed
12:07:41 08/27/21\n']}, 'Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-2
3 | Start time: 10:26:28 08/27/21': {'Method': '210827_Irino2 2021-08-27 10-26-23',
'Sample': 'Sample - 001-blank', 'Runtype': 2, 'Start date': '10:26:28 08/27/21', 'Ru
ntime': 350, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample -
001-blank

	Time	Sample - 001-blank
0	0.000	98.69
1	0.005	101.45
2	0.010	102.67
3	0.015	104.73
4	0.020	106.25
..	...	...
995	4.975	119.10
996	4.980	119.15

```
997  4.985              119.33
998  4.990              118.91
999  4.995              119.15

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tarted:  line# 1 at location 'P1-F1'>  10:26:28 08/27/21\n", ' 443 41e2 6128a1b4
0\n', 'Method       inj# 1                              10:26:28 08/27/21
\n', ' 3bf 41e2 6128a1b4    0\n', 'Method      Instrument running a blank run
10:26:28 08/27/21\n', '  70 1dac 6128a1b5    0\n', 'G7110B    1 G7110B:DEAEH01167 -
Pump on                          10:26:29 08/27/21\n', '  70 1dad 6128a1b6    0\n', 'G1312
B    2 G1312B:DE63056112 - Pump on                    10:26:30 08/27/21\n', '  70 1
daf 6128a1e1    0\n', 'G1315C    1 G1315C:DE63055907 - Run                1
0:27:13 08/27/21\n', '  70 1dae 6128a30d    0\n', 'G7116B    2 G7116B:DEBAZ03738 -
Postrun                          10:32:13 08/27/21\n', '  70 1dac 6128a30d    0\n', 'G7110
B    1 G7110B:DEAEH01167 - Postrun                    10:32:13 08/27/21\n', '  70 1
daa 6128a30d    0\n', 'G1316B    1 G1316B:DE60555985 - Postrun               1
0:32:13 08/27/21\n', ' 3bf 41e2 6128a310    0\n', 'Method      Instrument run compl
eted                          10:32:16 08/27/21\n', ' 875 41e2 6128a311    0\n', 'Metho
d      Saving Method SAA_411_Irino.M                  10:32:17 08/27/21\n', ' 875 4
1e2 6128a311    0\n', 'Method      Saving Method RUN.M                    1
0:32:17 08/27/21\n', '  70 41e0 6128a311    0\n', 'CP Macro    Analyzing rawdata 21
0827_Irino2.D            10:32:17 08/27/21\n', ' 875 41e2 6128a312    0\n', 'Metho
d      Saving Method DA.M                         10:32:18 08/27/21\n', '  70 4
1e0 6128a312    0\n', 'CP Macro    Report could not be created.               1
0:32:18 08/27/21\n', ' 3bf 41e2 6128a312    0\n', 'Method      Method completed
10:32:18 08/27/21\n']}, 'Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 |
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2, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':       Time  Sample - 002-blank
0    0.000              57.28
1    0.005              58.61
2    0.010              59.89
3    0.015              60.62
4    0.020              61.66
..     ...                 ...
795  3.975              53.44
796  3.980              53.57
797  3.985              53.86
798  3.990              53.68
799  3.995              54.36

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arted:  line# 2 at location 'P1-A1'>  15:57:29 08/19/21\n", ' 443 41e2 611e6349 474c
\n', 'Method       inj# 2                              15:57:29 08/19/21
\n', ' 3bf 41e2 611e634b    0\n', 'Method      Instrument running a blank run
15:57:31 08/19/21\n', '  70 1daf 611e636b    0\n', 'G1315C    1 G1315C:DE63055907 -
Run                          15:58:03 08/19/21\n', '  70 1dac 611e645c    0\n', 'G7110
B    1 G7110B:DEAEH01167 - Postrun                    16:02:04 08/19/21\n', '  70 1
dae 611e645c    0\n', 'G7116B    2 G7116B:DEBAZ03738 - Postrun               1
6:02:04 08/19/21\n', ' 3bf 41e2 611e645f    0\n', 'Method      Instrument run compl
eted                          16:02:07 08/19/21\n', ' 875 41e2 611e6460    0\n', 'Metho
d      Saving Method SAA_411_Pac.M                    16:02:08 08/19/21\n', ' 875 4
1e2 611e6460    0\n', 'Method      Saving Method RUN.M                    1
6:02:08 08/19/21\n', '  70 41e0 611e6460    0\n', 'CP Macro    Analyzing rawdata 21
0819_Pac--002.D            16:02:08 08/19/21\n', ' 875 41e2 611e6461    0\n', 'Metho
d      Saving Method DA.M                         16:02:09 08/19/21\n', '  70 4
```

1e0 611e6461   0\n', 'CP Macro   Report could not be created.   1
6:02:09 08/19/21\n', ' 3bf 41e2 611e6461   0\n', 'Method   Method completed
16:02:09 08/19/21\n', ' 443 41e2 611f762d   50\n', "Method   Method started: li
ne# 2 at location 'P1-A1'> 11:30:21 08/20/21\n", ' 443 41e2 611f762d   50\n', 'Meth
od   inj# 2   11:30:21 08/20/21\n', ' 70
41e0 611f762d   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--002.D
11:30:21 08/20/21\n', ' 875 41e2 611f762e   0\n', 'Method   Saving Method DA.M
11:30:22 08/20/21\n', ' 70 41e0 611f762e   0\n', 'CP Macro   Report could not be
created.   11:30:22 08/20/21\n', ' 3bf 41e2 611f762f   0\n', 'Metho
d   Method completed   11:30:23 08/20/21\n']}, 'Devi
ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:23 08/20/2
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ntype': 0, 'Start date': '11:30:23 08/20/21', 'Runtime': 2, 'Idle time': 'NA', 'Numb
er of Trials': 2, 'Curve':   Time Sample - 003-blank
```
0    0.000              56.31
1    0.005              57.22
2    0.010              58.37
3    0.015              59.29
4    0.020              60.20
..    ...                ...
795  3.975              53.32
796  3.980              53.32
797  3.985              53.44
798  3.990              53.32
799  3.995              53.75
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arted: line# 3 at location 'P1-A1'> 16:02:09 08/19/21\n", ' 443 41e2 611e6461 474c
\n', 'Method   inj# 3   16:02:09 08/19/21
\n', ' 3bf 41e2 611e6463   0\n', 'Method   Instrument running a blank run
16:02:11 08/19/21\n', ' 70 1daf 611e6483   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   16:02:43 08/19/21\n', ' 70 1dac 611e6573   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   16:06:43 08/19/21\n', ' 70 1
dae 611e6573   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
6:06:43 08/19/21\n', ' 3bf 41e2 611e6576   0\n', 'Method   Instrument run compl
eted   16:06:46 08/19/21\n', ' 875 41e2 611e6577   0\n', 'Metho
d   Saving Method SAA_411_Pac.M   16:06:47 08/19/21\n', ' 875 4
1e2 611e6577   0\n', 'Method   Saving Method RUN.M   1
6:06:47 08/19/21\n', ' 70 41e0 611e6578   0\n', 'CP Macro   Analyzing rawdata 21
0819_Pac--003.D   16:06:48 08/19/21\n', ' 875 41e2 611e6578   0\n', 'Metho
d   Saving Method DA.M   16:06:48 08/19/21\n', ' 70 4
1e0 611e6578   0\n', 'CP Macro   Report could not be created.   1
6:06:48 08/19/21\n', ' 3bf 41e2 611e6578   0\n', 'Method   Method completed
16:06:48 08/19/21\n', ' 443 41e2 611f762f   0\n', "Method   Method started: li
ne# 3 at location 'P1-A1'> 11:30:23 08/20/21\n", ' 443 41e2 611f762f   0\n', 'Meth
od   inj# 3   11:30:23 08/20/21\n', ' 70
41e0 611f762f   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--003.D
11:30:23 08/20/21\n', ' 875 41e2 611f7630   0\n', 'Method   Saving Method DA.M
11:30:24 08/20/21\n', ' 70 41e0 611f7631   0\n', 'CP Macro   Report could not be
created.   11:30:25 08/20/21\n', ' 3bf 41e2 611f7631   0\n', 'Metho
d   Method completed   11:30:25 08/20/21\n']}, 'Devi
ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:25 08/20/2
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er of Trials': 2, 'Curve':   Time Sample - 004-blank
```
0    0.000              56.60
```

```
1    0.005                56.86
2    0.010                57.51
3    0.015                59.29
4    0.020                60.25
..     ...                 ...
795  3.975                53.50
796  3.980                53.63
797  3.985                53.57
798  3.990                53.57
799  3.995                53.68
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\n', 'Method   inj# 4   16:06:48 08/19/21
\n', ' 3bf 41e2 611e657a   0\n', 'Method   Instrument running a blank run
16:06:50 08/19/21\n', ' 70 1dac 611e659a   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Run   16:07:22 08/19/21\n', ' 70 1dac 611e668b   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   16:11:23 08/19/21\n', ' 70 1
dae 611e668b   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
6:11:23 08/19/21\n', ' 3bf 41e2 611e668e   0\n', 'Method   Instrument run compl
eted   16:11:26 08/19/21\n', ' 875 41e2 611e668e   0\n', 'Metho
d   Saving Method SAA_411_Pac.M   16:11:26 08/19/21\n', ' 875 4
1e2 611e668f   0\n', 'Method   Saving Method RUN.M   1
6:11:27 08/19/21\n', ' 70 41e0 611e668f   0\n', 'CP Macro   Analyzing rawdata 21
0819_Pac--004.D   16:11:27 08/19/21\n', ' 875 41e2 611e668f   0\n', 'Metho
d   Saving Method DA.M   16:11:27 08/19/21\n', ' 70 4
1e0 611e668f   0\n', 'CP Macro   Report could not be created.   1
6:11:27 08/19/21\n', ' 3bf 41e2 611e6690   0\n', 'Method   Method completed
16:11:28 08/19/21\n', ' 443 41e2 611f7631   50\n', "Method   Method started: li
ne# 4 at location 'P1-A1'> 11:30:25 08/20/21\n", ' 443 41e2 611f7631   50\n', 'Meth
od   inj# 4   11:30:25 08/20/21\n', ' 70
41e0 611f7631   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--004.D
11:30:25 08/20/21\n', ' 875 41e2 611f7632   0\n', 'Method   Saving Method DA.M
11:30:26 08/20/21\n', ' 70 41e0 611f7633   0\n', 'CP Macro   Report could not be
created.   11:30:27 08/20/21\n', ' 3bf 41e2 611f7633   0\n', 'Metho
d   Method completed   11:30:27 08/20/21\n']}, 'Devi
ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:27 08/20/2
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, 'Number of Trials': 2, 'Curve':   Time Sample - 210819_Pac--005

```
0    0.000                55.87
1    0.005                57.46
2    0.010                58.92
3    0.015                59.89
4    0.020                60.20
..     ...                 ...
795  3.975                52.95
796  3.980                53.13
797  3.985                53.32
798  3.990                53.63
799  3.995                53.44
```

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arted: line# 5 at location 'P1-A2'> 16:11:28 08/19/21\n", ' 443 41e2 611e6690 474c
\n', 'Method   inj# 1   16:11:28 08/19/21
\n', ' 3bf 41e2 611e6691   0\n', 'Method   Instrument running sample from locat

ion P1-A2   16:11:29 08/19/21\n', ' 70 1daf 611e66b1   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   16:12:01 08/19/21\n', ' 70 1dac 611e67a2
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   16:16:02 08/19/21
\n', ' 3bf 41e2 611e67a4   0\n', 'Method   Instrument run completed
16:16:04 08/19/21\n', ' 875 41e2 611e67a5   0\n', 'Method   Saving Method SAA_4
11_Pac.M   16:16:05 08/19/21\n', ' 875 41e2 611e67a5   0\n', 'Meth
od   Saving Method RUN.M   16:16:05 08/19/21\n', ' 70
41e0 611e67a6   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--005.D
16:16:06 08/19/21\n', ' 875 41e2 611e67a6   0\n', 'Method   Saving Method DA.M
16:16:06 08/19/21\n', ' 70 41e0 611e67a6   0\n', 'CP Macro   Report could not be
created.   16:16:06 08/19/21\n', ' 3bf 41e2 611e67a6   0\n', 'Metho
d   Method completed   16:16:06 08/19/21\n', ' 443 4
1e2 611f7633 d000\n', "Method   Method started: line# 5 at location 'P1-A2'> 1
1:30:27 08/20/21\n", ' 443 41e2 611f7633 d000\n', 'Method   inj# 1
11:30:27 08/20/21\n', ' 70 41e0 611f7633   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--005.D   11:30:27 08/20/21\n', ' 875 41e2 611f7634   0\n', 'Meth
od   Saving Method DA.M   11:30:28 08/20/21\n', ' 70
41e0 611f7635   0\n', 'CP Macro   Report could not be created.
11:30:29 08/20/21\n', ' 3bf 41e2 611f7635   0\n', 'Method   Method completed
11:30:29 08/20/21\n']}, 'Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 |
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2, 'Idle time': 'NA', 'Number of Trials': 2, 'Curve':   Time Sample - 006-blank
0   0.000   55.87
1   0.005   57.41
2   0.010   58.14
3   0.015   59.52
4   0.020   60.25
..   ..
795 3.975   53.21
796 3.980   53.57
797 3.985   53.44
798 3.990   53.75
799 3.995   53.75

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arted: line# 6 at location 'P1-A1'> 16:16:06 08/19/21\n", ' 443 41e2 611e67a6 d3a4
\n', 'Method   inj# 1   16:16:06 08/19/21
\n', ' 3bf 41e2 611e67a8   0\n', 'Method   Instrument running a blank run
16:16:08 08/19/21\n', ' 70 1daf 611e67c8   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   16:16:40 08/19/21\n', ' 70 1dac 611e68b8   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   16:20:40 08/19/21\n', ' 70 1
dae 611e68b8   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
6:20:40 08/19/21\n', ' 3bf 41e2 611e68bb   0\n', 'Method   Instrument run compl
eted   16:20:43 08/19/21\n', ' 875 41e2 611e68bc   0\n', 'Metho
d   Saving Method SAA_411_Pac.M   16:20:44 08/19/21\n', ' 875 4
1e2 611e68bc   0\n', 'Method   Saving Method RUN.M   1
6:20:44 08/19/21\n', ' 70 41e0 611e68bc   0\n', 'CP Macro   Analyzing rawdata 21
0819_Pac--006.D   16:20:44 08/19/21\n', ' 875 41e2 611e68bd   0\n', 'Metho
d   Saving Method DA.M   16:20:45 08/19/21\n', ' 70 4
1e0 611e68bd   0\n', 'CP Macro   Report could not be created.   1
6:20:45 08/19/21\n', ' 3bf 41e2 611e68bd   0\n', 'Method   Method completed
16:20:45 08/19/21\n', ' 443 41e2 611f7635   50\n', "Method   Method started: li
ne# 6 at location 'P1-A1'> 11:30:29 08/20/21\n", ' 443 41e2 611f7635   50\n', 'Meth
od   inj# 1   11:30:29 08/20/21\n', ' 70
41e0 611f7635   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--006.D

```
11:30:29 08/20/21\n', ' 875 41e2 611f7636    0\n', 'Method      Saving Method DA.M
11:30:30 08/20/21\n', '  70 41e0 611f7637    0\n', 'CP Macro    Report could not be
created.                11:30:31 08/20/21\n', ' 3bf 41e2 611f7637    0\n', 'Metho
d       Method completed                      11:30:31 08/20/21\n']}, 'Devi
ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:31 08/20/2
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7', 'Runtype': 1, 'Start date': '11:30:31 08/20/21', 'Runtime': 2, 'Idle time': 'NA'
, 'Number of Trials': 2, 'Curve':       Time  Sample - 210819_Pac--007
0    0.000                 56.36
1    0.005                 57.64
2    0.010                 58.87
3    0.015                 60.02
4    0.020                 60.87
..     ...                   ...
795  3.975                 52.90
796  3.980                 53.13
797  3.985                 53.21
798  3.990                 53.21
799  3.995                 53.50

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arted:  line# 7 at location 'P1-B1'>  16:20:45 08/19/21\n", ' 443 41e2 611e68bd 4700
\n', 'Method       inj# 1                                    16:20:45 08/19/21
\n', ' 3bf 41e2 611e68bf    0\n', 'Method      Instrument running sample from locat
ion P1-B1  16:20:47 08/19/21\n', '  70 1daf 611e68df    0\n', 'G1315C     1 G1315C:D
E63055907 - Run                    16:21:19 08/19/21\n', '  70 1dac 611e69cf
0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun                16:25:19 08/19/21
\n', '  70 1dae 611e69cf    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun
16:25:19 08/19/21\n', ' 3bf 41e2 611e69d2    0\n', 'Method      Instrument run comp
leted                 16:25:22 08/19/21\n', ' 875 41e2 611e69d3    0\n', 'Meth
od      Saving Method SAA_411_Pac.M              16:25:23 08/19/21\n', ' 875
41e2 611e69d3    0\n', 'Method      Saving Method RUN.M
16:25:23 08/19/21\n', '  70 41e0 611e69d3    0\n', 'CP Macro    Analyzing rawdata 2
10819_Pac--007.D          16:25:23 08/19/21\n', ' 875 41e2 611e69d3    0\n', 'Meth
od      Saving Method DA.M                         16:25:23 08/19/21\n', '  70
41e0 611e69d4    0\n', 'CP Macro    Report could not be created.
16:25:24 08/19/21\n', ' 3bf 41e2 611e69d4    0\n', 'Method      Method completed
16:25:24 08/19/21\n', ' 443 41e2 611f7637    4\n', "Method      Method started:  li
ne# 7 at location 'P1-B1'>  11:30:31 08/20/21\n", ' 443 41e2 611f7637    4\n', 'Meth
od       inj# 1                                    11:30:31 08/20/21\n', '  70
41e0 611f7637    0\n', 'CP Macro    Analyzing rawdata 210819_Pac--007.D
11:30:31 08/20/21\n', ' 875 41e2 611f7638    0\n', 'Method      Saving Method DA.M
11:30:32 08/20/21\n', '  70 41e0 611f7639    0\n', 'CP Macro    Report could not be
created.                11:30:33 08/20/21\n', ' 3bf 41e2 611f7639    0\n', 'Metho
d       Method completed                      11:30:33 08/20/21\n']}, 'Devi
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er of Trials': 2, 'Curve':       Time  Sample - 008-blank
0    0.000              55.95
1    0.005              57.68
2    0.010              58.68
3    0.015              59.52
4    0.020              60.56
..     ...                ...
795  3.975              53.13
```

```
796   3.980                53.13
797   3.985                53.26
798   3.990                53.50
799   3.995                53.44

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\n', 'Method       inj# 1                                   16:25:24 08/19/21
\n', ' 3bf 41e2 611e69d6    0\n', 'Method       Instrument running a blank run
16:25:26 08/19/21\n', '  70 1dac 611e69f6    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                        16:25:58 08/19/21\n', '  70 1dac 611e6ae6    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                   16:29:58 08/19/21\n', ' 3bf 4
1e2 611e6ae9    0\n', 'Method       Instrument run completed                    1
6:30:01 08/19/21\n', ' 875 41e2 611e6aea    0\n', 'Method       Saving Method SAA_41
1_Pac.M                        16:30:02 08/19/21\n', ' 875 41e2 611e6aea    0\n', 'Metho
d       Saving Method RUN.M                        16:30:02 08/19/21\n', '  70 4
1e0 611e6aea    0\n', 'CP Macro     Analyzing rawdata 210819_Pac--008.D          1
6:30:02 08/19/21\n', ' 875 41e2 611e6aeb    0\n', 'Method       Saving Method DA.M
16:30:03 08/19/21\n', '  70 41e0 611e6aeb    0\n', 'CP Macro     Report could not be
created.                   16:30:03 08/19/21\n', ' 3bf 41e2 611e6aeb    0\n', 'Metho
d       Method completed                        16:30:03 08/19/21\n', ' 443 4
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11:30:33 08/20/21\n', '  70 41e0 611f763a    0\n', 'CP Macro     Analyzing rawdata 2
10819_Pac--008.D          11:30:34 08/20/21\n', ' 875 41e2 611f763a    0\n', 'Meth
od       Saving Method DA.M                        11:30:34 08/20/21\n', '  70
41e0 611f763b    0\n', 'CP Macro     Report could not be created.
11:30:35 08/20/21\n', ' 3bf 41e2 611f763b    0\n', 'Method       Method completed
11:30:35 08/20/21\n']}, 'Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 |
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0819_Pac--009
0    0.000                57.33
1    0.005                58.32
2    0.010                59.60
3    0.015                60.44
4    0.020                61.35
..    ...                    ...
795   3.975                52.53
796   3.980                52.95
797   3.985                53.13
798   3.990                53.44
799   3.995                53.63

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arted:  line# 9 at location 'P1-B2'>  16:30:03 08/19/21\n", ' 443 41e2 611e6aeb    0
\n', 'Method       inj# 1                                   16:30:03 08/19/21
\n', ' 3bf 41e2 611e6aed    0\n', 'Method       Instrument running sample from locat
ion P1-B2  16:30:05 08/19/21\n', '  70 1daf 611e6b0d    0\n', 'G1315C      1 G1315C:D
E63055907 - Run                        16:30:37 08/19/21\n', '  70 1dac 611e6bfd
0\n', 'G7110B      1 G7110B:DEAEH01167 - Postrun                   16:34:37 08/19/21
\n', '  70 1dae 611e6bfd    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun
16:34:37 08/19/21\n', ' 3bf 41e2 611e6c00    0\n', 'Method       Instrument run comp
leted                   16:34:40 08/19/21\n', ' 875 41e2 611e6c01    0\n', 'Meth
od       Saving Method SAA_411_Pac.M                   16:34:41 08/19/21\n', ' 875
```

41e2 611e6c01   0\n', 'Method   Saving Method RUN.M
16:34:41 08/19/21\n', ' 70 41e0 611e6c02   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--009.D   16:34:42 08/19/21\n', ' 875 41e2 611e6c02   0\n', 'Meth
od   Saving Method DA.M   16:34:42 08/19/21\n', ' 70
41e0 611e6c02   0\n', 'CP Macro   Report could not be created.
16:34:42 08/19/21\n', ' 3bf 41e2 611e6c02   0\n', 'Method   Method completed
16:34:42 08/19/21\n', ' 443 41e2 611f763b d000\n', "Method   Method started: li
ne# 9 at location 'P1-B2'> 11:30:35 08/20/21\n", ' 443 41e2 611f763b d000\n', 'Meth
od   inj# 1   11:30:35 08/20/21\n', ' 70
41e0 611f763c   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--009.D
11:30:36 08/20/21\n', ' 875 41e2 611f763c   0\n', 'Method   Saving Method DA.M
11:30:36 08/20/21\n', ' 70 41e0 611f763d   0\n', 'CP Macro   Report could not be
created.   11:30:37 08/20/21\n', ' 3bf 41e2 611f763d   0\n', 'Metho
d   Method completed   11:30:37 08/20/21\n']}, 'Devi
ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:37 08/20/2
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, 'Number of Trials': 2, 'Curve':   Time Sample - 210819_Pac--010
0   0.000   56.60
1   0.005   57.64
2   0.010   58.92
3   0.015   59.96
4   0.020   61.06
..   ..
795 3.975   52.66
796 3.980   52.77
797 3.985   53.02
798 3.990   53.13
799 3.995   53.39

[800 rows x 2 columns], 'Log': [' 443 41e2 611e6c02 474c\n', "Method   Method st
arted: line# 10 at location 'P1-B3> 16:34:42 08/19/21\n", ' 443 41e2 611e6c02 474c
\n', "Method   ' inj# 1   16:34:42 08/19/21
\n", ' 3bf 41e2 611e6c04   0\n', 'Method   Instrument running sample from locat
ion P1-B3 16:34:44 08/19/21\n', ' 70 1dac 611e6c24   0\n', 'G7110B   1 G7110B:D
EAEH01167 - Run   16:35:16 08/19/21\n', ' 70 1dac 611e6d15
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   16:39:17 08/19/21
\n', ' 70 1dae 611e6d15   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
16:39:17 08/19/21\n', ' 3bf 41e2 611e6d18   0\n', 'Method   Instrument run comp
leted   16:39:20 08/19/21\n', ' 875 41e2 611e6d18   0\n', 'Meth
od   Saving Method SAA_411_Pac.M   16:39:20 08/19/21\n', ' 875
41e2 611e6d19   0\n', 'Method   Saving Method RUN.M
16:39:21 08/19/21\n', ' 70 41e0 611e6d19   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--010.D   16:39:21 08/19/21\n', ' 875 41e2 611e6d19   0\n', 'Meth
od   Saving Method DA.M   16:39:21 08/19/21\n', ' 70
41e0 611e6d19   0\n', 'CP Macro   Report could not be created.
16:39:21 08/19/21\n', ' 3bf 41e2 611e6d1a   0\n', 'Method   Method completed
16:39:22 08/19/21\n', ' 443 41e2 611f763d   50\n', "Method   Method started: li
ne# 10 at location 'P1-B3> 11:30:37 08/20/21\n", ' 443 41e2 611f763d   50\n', "Meth
od   ' inj# 1   11:30:37 08/20/21\n", ' 70
41e0 611f763e   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--010.D
11:30:38 08/20/21\n', ' 875 41e2 611f763e   0\n', 'Method   Saving Method DA.M
11:30:38 08/20/21\n', ' 70 41e0 611f763f   0\n', 'CP Macro   Report could not be
created.   11:30:39 08/20/21\n', ' 3bf 41e2 611f763f   0\n', 'Metho
d   Method completed   11:30:39 08/20/21\n']}, 'Devi
ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:39 08/20/2

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, 'Number of Trials': 2, 'Curve':   Time   Sample - 210819_Pac--011
0   0.000   55.76
1   0.005   57.15
2   0.010   58.32
3   0.015   59.60
4   0.020   60.33
..   ..
795 3.975   52.77
796 3.980   52.90
797 3.985   53.21
798 3.990   53.26
799 3.995   53.39

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E63055907 - Run   16:39:56 08/19/21\n', '   70 1dac 611e6e2c
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   16:43:56 08/19/21
\n', '   70 1dae 611e6e2c   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
16:43:56 08/19/21\n', ' 3bf 41e2 611e6e2f   0\n', 'Method   Instrument run comp
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16:44:00 08/19/21\n', '   70 41e0 611e6e30   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--011.D   16:44:00 08/19/21\n', ' 875 41e2 611e6e30   0\n', 'Meth
od   Saving Method DA.M   16:44:00 08/19/21\n', '   70
41e0 611e6e31   0\n', 'CP Macro   Report could not be created.
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od   ' inj# 1   11:30:39 08/20/21\n", '   70
41e0 611f7640   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--011.D
11:30:40 08/20/21\n', ' 875 41e2 611f7640   0\n', 'Method   Saving Method DA.M
11:30:40 08/20/21\n', '   70 41e0 611f7641   0\n', 'CP Macro   Report could not be
created.   11:30:41 08/20/21\n', ' 3bf 41e2 611f7641   0\n', 'Metho
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0   0.000   57.33
1   0.005   58.50
2   0.010   59.60
3   0.015   60.56
4   0.020   61.29
..   ..
795 3.975   52.66
796 3.980   52.95
797 3.985   53.13
798 3.990   53.26
799 3.995   53.81

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\n', "Method   ' inj# 1   16:44:01 08/19/21
\n", ' 3bf 41e2 611e6e33   0\n', 'Method   Instrument running sample from locat
ion P1-B5 16:44:03 08/19/21\n', ' 70 1dac 611e6e53   0\n', 'G7110B   1 G7110B:D
EAEH01167 - Run   16:44:35 08/19/21\n', ' 70 1dac 611e6f43
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   16:48:35 08/19/21
\n', ' 70 1dae 611e6f43   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
16:48:35 08/19/21\n', ' 3bf 41e2 611e6f46   0\n', 'Method   Instrument run comp
leted   16:48:38 08/19/21\n', ' 875 41e2 611e6f47   0\n', 'Meth
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41e2 611e6f47   0\n', 'Method   Saving Method RUN.M
16:48:39 08/19/21\n', ' 70 41e0 611e6f47   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--012.D   16:48:39 08/19/21\n', ' 875 41e2 611e6f47   0\n', 'Meth
od   Saving Method DA.M   16:48:39 08/19/21\n', ' 70
41e0 611e6f48   0\n', 'CP Macro   Report could not be created.
16:48:40 08/19/21\n', ' 3bf 41e2 611e6f48   0\n', 'Method   Method completed
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41e0 611f7642   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--012.D
11:30:42 08/20/21\n', ' 875 41e2 611f7642   0\n', 'Method   Saving Method DA.M
11:30:42 08/20/21\n', ' 70 41e0 611f7643   0\n', 'CP Macro   Report could not be
created.   11:30:43 08/20/21\n', ' 3bf 41e2 611f7643   0\n', 'Metho
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ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:43 08/20/2
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, 'Number of Trials': 2, 'Curve':   Time Sample - 210819_Pac--013

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0	0.000	56.49
1	0.005	57.88
2	0.010	58.92
3	0.015	59.83
4	0.020	60.69
..	...	...
795	3.975	53.39
796	3.980	53.39
797	3.985	52.95
798	3.990	52.90
799	3.995	53.44

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\n', "Method   ' inj# 1   16:48:40 08/19/21
\n", ' 3bf 41e2 611e6f4a   0\n', 'Method   Instrument running sample from locat
ion P1-B6 16:48:42 08/19/21\n', ' 70 1dac 611e6f6a   0\n', 'G7110B   1 G7110B:D
EAEH01167 - Run   16:49:14 08/19/21\n', ' 70 1dac 611e705a
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   16:53:14 08/19/21
\n', ' 70 1dae 611e705a   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
16:53:14 08/19/21\n', ' 3bf 41e2 611e705d   0\n', 'Method   Instrument run comp
leted   16:53:17 08/19/21\n', ' 875 41e2 611e705e   0\n', 'Meth
od   Saving Method SAA_411_Pac.M   16:53:18 08/19/21\n', ' 875
41e2 611e705e   0\n', 'Method   Saving Method RUN.M
16:53:18 08/19/21\n', ' 70 41e0 611e705e   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--013.D   16:53:18 08/19/21\n', ' 875 41e2 611e705f   0\n', 'Meth
od   Saving Method DA.M   16:53:19 08/19/21\n', ' 70

41e0 611e705f   0\n', 'CP Macro   Report could not be created.
16:53:19 08/19/21\n', ' 3bf 41e2 611e705f   0\n', 'Method   Method completed
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41e0 611f7644   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--013.D
11:30:44 08/20/21\n', ' 875 41e2 611f7644   0\n', 'Method   Saving Method DA.M
11:30:44 08/20/21\n', ' 70 41e0 611f7645   0\n', 'CP Macro   Report could not be
created.   11:30:45 08/20/21\n', ' 3bf 41e2 611f7645   0\n', 'Metho
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ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:45 08/20/2
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, 'Number of Trials': 2, 'Curve':   Time Sample - 210819_Pac--014
0   0.000   56.55
1   0.005   57.22
2   0.010   58.79
3   0.015   59.60
4   0.020   60.75
..   ..
795 3.975   53.44
796 3.980   53.02
797 3.985   53.26
798 3.990   53.39
799 3.995   53.50

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\n', "Method   ' inj# 1   16:53:20 08/19/21
\n", ' 3bf 41e2 611e7061   0\n', 'Method   Instrument running sample from locat
ion P1-B7 16:53:21 08/19/21\n', ' 70 1daf 611e7082   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   16:53:54 08/19/21\n', ' 70 1dac 611e7172
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   16:57:54 08/19/21
\n', ' 70 1dae 611e7172   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
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41e2 611e7176   0\n', 'Method   Saving Method RUN.M
16:57:58 08/19/21\n', ' 70 41e0 611e7176   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--014.D   16:57:58 08/19/21\n', ' 875 41e2 611e7177   0\n', 'Meth
od   Saving Method DA.M   16:57:59 08/19/21\n', ' 70
41e0 611e7177   0\n', 'CP Macro   Report could not be created.
16:57:59 08/19/21\n', ' 3bf 41e2 611e7177   0\n', 'Method   Method completed
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41e0 611f7646   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--014.D
11:30:46 08/20/21\n', ' 875 41e2 611f7646   0\n', 'Method   Saving Method DA.M
11:30:46 08/20/21\n', ' 70 41e0 611f7647   0\n', 'CP Macro   Report could not be
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er of Trials': 2, 'Curve':   Time Sample - 015-blank
0   0.000   55.95

```
1    0.005              57.09
2    0.010              58.43
3    0.015              59.41
4    0.020              60.33
..   ...                ...
795  3.975              53.13
796  3.980              53.13
797  3.985              53.08
798  3.990              52.84
799  3.995              53.50
```

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\n", ' 3bf 41e2 611e7179   0\n', 'Method   Instrument running a blank run
16:58:01 08/19/21\n', ' 70 1dac 611e7199   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Run   16:58:33 08/19/21\n', ' 70 1dac 611e7289   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   17:02:33 08/19/21\n', ' 70 1
dae 611e7289   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
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0819_Pac--015.D   17:02:38 08/19/21\n', ' 875 41e2 611e728e   0\n', 'Metho
d   Saving Method DA.M   17:02:38 08/19/21\n', ' 70 4
1e0 611e728e   0\n', 'CP Macro   Report could not be created.   1
7:02:38 08/19/21\n', ' 3bf 41e2 611e728e   0\n', 'Method   Method completed
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41e0 611f7648   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--015.D
11:30:48 08/20/21\n', ' 875 41e2 611f7648   0\n', 'Method   Saving Method DA.M
11:30:48 08/20/21\n', ' 70 41e0 611f7649   0\n', 'CP Macro   Report could not be
created.   11:30:49 08/20/21\n', ' 3bf 41e2 611f7649   0\n', 'Metho
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, 'Number of Trials': 2, 'Curve':   Time Sample - 210819_Pac--016
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```
0    0.000              56.13
1    0.005              57.51
2    0.010              58.61
3    0.015              59.41
4    0.020              60.33
..   ...                ...
795  3.975              53.32
796  3.980              53.50
797  3.985              53.39
798  3.990              53.32
799  3.995              53.02
```

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\n", ' 3bf 41e2 611e7290   0\n', 'Method   Instrument running sample from locat
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ion P1-B1 17:02:40 08/19/21\n', ' 70 1daf 611e72b0   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   17:03:12 08/19/21\n', ' 70 1dac 611e73a0
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   17:07:12 08/19/21
\n', ' 70 1dae 611e73a0   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
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41e2 611e73a5   0\n', 'Method   Saving Method RUN.M
17:07:17 08/19/21\n', ' 70 41e0 611e73a5   0\n', 'CP Macro   Analyzing rawdata 2
10819_Pac--016.D   17:07:17 08/19/21\n', ' 875 41e2 611e73a5   0\n', 'Meth
od   Saving Method DA.M   17:07:17 08/19/21\n', ' 70
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17:07:18 08/19/21\n', ' 3bf 41e2 611e73a6   0\n', 'Method   Method completed
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ne# 16 at location 'P1-B1> 11:30:49 08/20/21\n", ' 443 41e2 611f7649 d000\n', "Meth
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41e0 611f764a   0\n', 'CP Macro   Analyzing rawdata 210819_Pac--016.D
11:30:50 08/20/21\n', ' 875 41e2 611f764a   0\n', 'Method   Saving Method DA.M
11:30:50 08/20/21\n', ' 70 41e0 611f764b   0\n', 'CP Macro   Report could not be
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ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:51 08/20/2
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er of Trials': 2, 'Curve':   Time Sample - 017-blank
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1   0.005   57.59
2   0.010   59.05
3   0.015   59.89
4   0.020   60.62
..   ..
795 3.975   53.44
796 3.980   53.57
797 3.985   53.57
798 3.990   53.21
799 3.995   53.44

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\n', "Method   ' inj# 1   17:07:18 08/19/21
\n", ' 3bf 41e2 611e73a7   0\n', 'Method   Instrument running a blank run
17:07:19 08/19/21\n', ' 70 1daf 611e73c8   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   17:07:52 08/19/21\n', ' 70 1dac 611e74b8   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   17:11:52 08/19/21\n', ' 70 1
dae 611e74b8   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
7:11:52 08/19/21\n', ' 3bf 41e2 611e74bb   0\n', 'Method   Instrument run compl
eted   17:11:55 08/19/21\n', ' 875 41e2 611e74bc   0\n', 'Metho
d   Saving Method SAA_411_Pac.M   17:11:56 08/19/21\n', ' 875 4
1e2 611e74bc   0\n', 'Method   Saving Method RUN.M   1
7:11:56 08/19/21\n', ' 70 41e0 611e74bc   0\n', 'CP Macro   Analyzing rawdata 21
0819_Pac--017.D   17:11:56 08/19/21\n', ' 875 41e2 611e74bc   0\n', 'Metho
d   Saving Method DA.M   17:11:56 08/19/21\n', ' 70 4
1e0 611e74bd   0\n', 'CP Macro   Report could not be created.   1
7:11:57 08/19/21\n', ' 3bf 41e2 611e74bd   0\n', 'Method   Method completed
17:11:57 08/19/21\n', ' 443 41e2 611f764b   0\n', "Method   Method started: li
ne# 17 at location 'P1-A1> 11:30:51 08/20/21\n", ' 443 41e2 611f764b   0\n', "Meth

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od        ' inj# 1                                          11:30:51 08/20/21\n", '  70
41e0 611f764c    0\n', 'CP Macro     Analyzing rawdata 210819_Pac--017.D
11:30:52 08/20/21\n', ' 875 41e2 611f764c    0\n', 'Method       Saving Method DA.M
11:30:52 08/20/21\n', '  70 41e0 611f764d    0\n', 'CP Macro     Report could not be
created.                    11:30:53 08/20/21\n', ' 3bf 41e2 611f764d    0\n', 'Metho
d       Method completed                          11:30:53 08/20/21\n']}, 'Devi
ce Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:30:19 08/20/2
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ntype': 2, 'Start date': '11:30:19 08/20/21', 'Runtime': 2, 'Idle time': 'NA', 'Numb
er of Trials': 2, 'Curve':       Time  Sample - 001-blank
0    0.000           65.98
1    0.005           67.63
2    0.010           68.47
3    0.015           69.38
4    0.020           70.29
..    ...             ...
795  3.975           55.32
796  3.980           55.40
797  3.985           55.63
798  3.990           55.63
799  3.995           54.78

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\n', 'Method       inj# 1                                        15:50:54 08/19/21
\n', ' 3bf 41e2 611e61bf    0\n', 'Method       Instrument running a blank run
15:50:55 08/19/21\n', '  70 1dac 611e61bf    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Pump on                  15:50:55 08/19/21\n', '  70 1dad 611e61c1    0\n', 'G1312
B     2 G1312B:DE63056112 - Pump on                 15:50:57 08/19/21\n', '  70 1
daf 611e61c8    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle          1
5:51:04 08/19/21\n', '  70 1daf 611e6254    0\n', 'G1315C     1 G1315C:DE63055907 -
Run                  15:53:24 08/19/21\n', '  70 1dae 611e6344    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                 15:57:24 08/19/21\n', '  70 1
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5:57:28 08/19/21\n', '  70 41e0 611e6348    0\n', 'CP Macro     Analyzing rawdata 21
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41e0 611f762b    0\n', 'CP Macro     Analyzing rawdata 210819_Pac.D
11:30:19 08/20/21\n', ' 875 41e2 611f762c    0\n', 'Method       Saving Method DA.M
11:30:20 08/20/21\n', '  70 41e0 611f762d    0\n', 'CP Macro     Report could not be
created.                  11:30:21 08/20/21\n', ' 3bf 41e2 611f762d    0\n', 'Metho
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0    0.000           58.32
```

```
1    0.005              59.47
2    0.010              61.06
3    0.015              62.21
4    0.020              63.17
..   ...                ...
795  3.975              53.50
796  3.980              53.75
797  3.985              54.17
798  3.990              54.36
799  3.995              54.36

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\n', ' 3bf 41e2 611630ce    0\n', 'Method       Instrument running a blank run
10:43:58 08/13/21\n', '  70 1daf 611630ed    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                      10:44:29 08/13/21\n', '  70 1dae 611631de    0\n', 'G7116
B    2 G7116B:DEBAZ03738 - Postrun                       10:48:30 08/13/21\n', '  70 1
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1e2 611631e2    0\n', 'Method       Saving Method RUN.M                          1
0:48:34 08/13/21\n', '  70 41e0 611631e2    0\n', 'CP Macro     Analyzing rawdata 21
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41e0 61164d71    0\n', 'CP Macro     Analyzing rawdata 210813_Pac--002.D
12:46:09 08/13/21\n', ' 875 41e2 61164d71    0\n', 'Method       Saving Method DA.M
12:46:09 08/13/21\n', '  70 41e0 61164d72    0\n', 'CP Macro     Report could not be
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1    0.005              57.59
2    0.010              58.19
3    0.015              59.60
4    0.020              60.69
..   ...                ...
795  3.975              53.57
796  3.980              53.50
797  3.985              53.68
798  3.990              53.81
799  3.995              53.94

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\n', 'Method       inj# 3                                      10:48:34 08/13/21
\n', ' 3bf 41e2 611631e3    0\n', 'Method       Instrument running a blank run
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10:48:35 08/13/21\n', ' 70 1daf 61163204   0\n', 'G1315C   1 G1315C:DE63055907 -
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B   2 G7116B:DEBAZ03738 - Postrun   10:53:08 08/13/21\n', ' 70 1
dac 611632f5   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   1
0:53:09 08/13/21\n', ' 70 1daa 611632f5   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   10:53:09 08/13/21\n', ' 3bf 41e2 611632f7   0\n', 'Metho
d   Instrument run completed   10:53:11 08/13/21\n', ' 875 4
1e2 611632f8   0\n', 'Method   Saving Method SAA_411_Pac.M   1
0:53:12 08/13/21\n', ' 875 41e2 611632f8   0\n', 'Method   Saving Method RUN.M
10:53:12 08/13/21\n', ' 70 41e0 611632f9   0\n', 'CP Macro   Analyzing rawdata 2
10813_Pac--003.D   10:53:13 08/13/21\n', ' 875 41e2 611632f9   0\n', 'Meth
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10:53:13 08/13/21\n', ' 3bf 41e2 611632f9   0\n', 'Method   Method completed
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41e0 61164d72   0\n', 'CP Macro   Analyzing rawdata 210813_Pac--003.D
12:46:10 08/13/21\n', ' 875 41e2 61164d73   0\n', 'Method   Saving Method DA.M
12:46:11 08/13/21\n', ' 70 41e0 61164d73   0\n', 'CP Macro   Report could not be
created.   12:46:11 08/13/21\n', ' 3bf 41e2 61164d74   0\n', 'Metho
d   Method completed   12:46:12 08/13/21\n']}, 'Devi
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1   0.005   59.23
2   0.010   60.14
3   0.015   61.06
4   0.020   61.79
..   ..
795 3.975   53.44
796 3.980   53.63
797 3.985   53.86
798 3.990   53.50
799 3.995   53.81

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\n', 'Method   inj# 4   10:53:13 08/13/21
\n', ' 3bf 41e2 611632fb   0\n', 'Method   Instrument running a blank run
10:53:15 08/13/21\n', ' 70 1daf 6116331b   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   10:53:47 08/13/21\n', ' 70 1dac 6116340b   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:57:47 08/13/21\n', ' 70 1
dae 6116340b   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
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Postrun   10:57:47 08/13/21\n', ' 3bf 41e2 6116340e   0\n', 'Metho
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1e2 6116340f   0\n', 'Method   Saving Method SAA_411_Pac.M   1
0:57:51 08/13/21\n', ' 875 41e2 6116340f   0\n', 'Method   Saving Method RUN.M
10:57:51 08/13/21\n', ' 70 41e0 6116340f   0\n', 'CP Macro   Analyzing rawdata 2
10813_Pac--004.D   10:57:51 08/13/21\n', ' 875 41e2 6116340f   0\n', 'Meth
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41e0 61164d74   0\n', 'CP Macro   Analyzing rawdata 210813_Pac--004.D
12:46:12 08/13/21\n', ' 875 41e2 61164d75   0\n', 'Method   Saving Method DA.M
12:46:13 08/13/21\n', ' 70 41e0 61164d75   0\n', 'CP Macro   Report could not be
created.   12:46:13 08/13/21\n', ' 3bf 41e2 61164d76   0\n', 'Metho
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ce Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:46:14 08/13/2
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```
0    0.000                      57.41
1    0.005                      58.74
2    0.010                      59.65
3    0.015                      60.56
4    0.020                      61.24
..     ...                        ...
795  3.975                      53.75
796  3.980                      53.75
797  3.985                      54.05
798  3.990                      53.57
799  3.995                      53.75
```

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\n', ' 3bf 41e2 61163412   0\n', 'Method   Instrument running sample from locat
ion P1-C2 10:57:54 08/13/21\n', ' 70 1dac 61163432   0\n', 'G7110B   1 G7110B:D
EAEH01167 - Run   10:58:26 08/13/21\n', ' 70 1dac 61163523
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11:02:30 08/13/21\n', ' 70 41e0 61163526   0\n', 'CP Macro   Analyzing rawdata 2
10813_Pac--005.D   11:02:30 08/13/21\n', ' 875 41e2 61163527   0\n', 'Meth
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12:46:14 08/13/21\n', ' 875 41e2 61164d77   0\n', 'Method   Saving Method DA.M
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created.   12:46:15 08/13/21\n', ' 3bf 41e2 61164d77   0\n', 'Metho
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er of Trials': 2, 'Curve':   Time Sample - 006-blank

```
0    0.000              57.15
1    0.005              58.50
2    0.010              59.47
```

```
3    0.015              60.14
4    0.020              60.56
..     ...                ...
795  3.975              53.50
796  3.980              53.63
797  3.985              53.99
798  3.990              54.23
799  3.995              54.23
```

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\n', ' 3bf 41e2 61163527    0\n', 'Method        Instrument running a blank run
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Run                        11:03:05 08/13/21\n', '  70 1dac 6116363a    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                      11:07:06 08/13/21\n', '  70 1
dae 6116363a    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                    1
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eted                       11:07:08 08/13/21\n', ' 875 41e2 6116363d    0\n', 'Metho
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1e2 6116363e    0\n', 'Method        Saving Method RUN.M                           1
1:07:10 08/13/21\n', '  70 41e0 6116363e    0\n', 'CP Macro     Analyzing rawdata 21
0813_Pac--006.D            11:07:10 08/13/21\n', ' 875 41e2 6116363e    0\n', 'Metho
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created.                   12:46:17 08/13/21\n', ' 3bf 41e2 61164d79    0\n', 'Metho
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ce Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:46:17 08/13/2
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, 'Number of Trials': 2, 'Curve':        Time  Sample - 210813_Pac--007
0    0.000              66.28
1    0.005              58.37
2    0.010              59.29
3    0.015              60.56
4    0.020              61.53
..     ...                ...
795  3.975              53.44
796  3.980              53.57
797  3.985              53.63
798  3.990              53.86
799  3.995              53.99
```

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\n', 'Method        inj# 1                                  11:07:10 08/13/21
\n', ' 3bf 41e2 61163640    0\n', 'Method        Instrument running sample from locat
ion P1-C3  11:07:12 08/13/21\n', '  70 1daf 61163660    0\n', 'G1315C     1 G1315C:D
E63055907 - Run                        11:07:44 08/13/21\n', '  70 1dae 61163751
```

0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   11:11:45 08/13/21
\n', ' 70 1dac 61163751   0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun
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11:11:49 08/13/21\n', ' 3bf 41e2 61163755   0\n', 'Method   Method completed
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ce Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:46:19 08/13/2
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er of Trials': 2, 'Curve':   Time Sample - 008-blank
0   0.000   55.32
1   0.005   57.04
2   0.010   58.14
3   0.015   58.74
4   0.020   59.70
..   ..
795   3.975   53.39
796   3.980   53.94
797   3.985   53.86
798   3.990   53.94
799   3.995   54.05

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\n', ' 3bf 41e2 61163757   0\n', 'Method   Instrument running a blank run
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Run   11:12:23 08/13/21\n', ' 70 1dac 61163867   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   11:16:23 08/13/21\n', ' 70 1
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1    0.005                      58.14
2    0.010                      59.47
3    0.015                      60.20
4    0.020                      60.51
..     ...                        ...
795  3.975                      53.50
796  3.980                      53.57
797  3.985                      53.63
798  3.990                      53.75
799  3.995                      53.81

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\n', ' 3bf 41e2 6116386e    0\n', 'Method      Instrument running sample from locat
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E63055907 - Run                      11:17:02 08/13/21\n', '  70 1dac 6116397f
0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun                11:21:03 08/13/21
\n', '  70 1dae 6116397f    0\n', 'G7116B    2 G7116B:DEBAZ03738 - Postrun
11:21:03 08/13/21\n', '  70 1daa 6116397f    0\n', 'G1316B    1 G1316B:DE60555985 -
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41e0 61164d7d    0\n', 'CP Macro    Analyzing rawdata 210813_Pac--009.D
12:46:21 08/13/21\n', ' 875 41e2 61164d7e    0\n', 'Method       Saving Method DA.M
12:46:22 08/13/21\n', '  70 41e0 61164d7e    0\n', 'CP Macro    Report could not be
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, 'Number of Trials': 2, 'Curve':       Time  Sample - 210813_Pac--010
0    0.000                      55.40
1    0.005                      57.51
2    0.010                      58.63
3    0.015                      59.78
4    0.020                      60.56
..     ...                        ...
```

```
795   3.975                    53.57
796   3.980                    53.75
797   3.985                    53.86
798   3.990                    54.12
799   3.995                    53.75

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\n', "Method       ' inj# 1                              11:21:08 08/13/21
\n", ' 3bf 41e2 61163985    0\n', 'Method      Instrument running sample from locat
ion P1-C5  11:21:09 08/13/21\n', '  70 1daf 611639a5    0\n', 'G1315C    1 G1315C:D
E63055907 - Run                         11:21:41 08/13/21\n', '  70 1dac 61163a96
0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun                11:25:42 08/13/21
\n', '  70 1dae 61163a96    0\n', 'G7116B    2 G7116B:DEBAZ03738 - Postrun
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41e2 61163a99    0\n', 'Method      Saving Method RUN.M
11:25:45 08/13/21\n', '  70 41e0 61163a9a    0\n', 'CP Macro    Analyzing rawdata 2
10813_Pac--010.D             11:25:46 08/13/21\n', ' 875 41e2 61163a9a    0\n', 'Meth
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41e0 61163a9a    0\n', 'CP Macro    Report could not be created.
11:25:46 08/13/21\n', ' 3bf 41e2 61163a9a    0\n', 'Method      Method completed
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12:46:23 08/13/21\n', ' 875 41e2 61164d80    0\n', 'Method      Saving Method DA.M
12:46:24 08/13/21\n', '  70 41e0 61164d80    0\n', 'CP Macro    Report could not be
created.                   12:46:24 08/13/21\n', ' 3bf 41e2 61164d81    0\n', 'Metho
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, 'Number of Trials': 2, 'Curve':        Time  Sample - 210813_Pac--011
0    0.000                    57.15
1    0.005                    58.24
2    0.010                    59.41
3    0.015                    60.38
4    0.020                    60.98
..    ...                      ...
795   3.975                    53.57
796   3.980                    53.75
797   3.985                    54.36
798   3.990                    54.36
799   3.995                    54.23

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\n', "Method       ' inj# 1                              11:25:46 08/13/21
\n", ' 3bf 41e2 61163a9c    0\n', 'Method      Instrument running sample from locat
ion P1-C6  11:25:48 08/13/21\n', '  70 1daf 61163abd    0\n', 'G1315C    1 G1315C:D
E63055907 - Run                         11:26:21 08/13/21\n', '  70 1dac 61163bad
0\n', 'G7110B    1 G7110B:DEAEH01167 - Postrun                11:30:21 08/13/21
\n', '  70 1dae 61163bad    0\n', 'G7116B    2 G7116B:DEBAZ03738 - Postrun
11:30:21 08/13/21\n', '  70 1daa 61163bad    0\n', 'G1316B    1 G1316B:DE60555985 -
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Postrun   11:30:21 08/13/21\n', ' 3bf 41e2 61163bb0   0\n', 'Metho
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1:30:24 08/13/21\n', ' 875 41e2 61163bb1   0\n', 'Method   Saving Method RUN.M
11:30:25 08/13/21\n', ' 70 41e0 61163bb1   0\n', 'CP Macro   Analyzing rawdata 2
10813_Pac--011.D   11:30:25 08/13/21\n', ' 875 41e2 61163bb1   0\n', 'Meth
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11:30:25 08/13/21\n', ' 3bf 41e2 61163bb2   0\n', 'Method   Method completed
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created.   12:46:26 08/13/21\n', ' 3bf 41e2 61164d82   0\n', 'Metho
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0   0.000   57.04
1   0.005   58.37
2   0.010   59.47
3   0.015   60.51
4   0.020   61.06
..   ..
795 3.975   53.57
796 3.980   53.44
797 3.985   53.63
798 3.990   53.50
799 3.995   53.99

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\n', "Method   ' inj# 1   11:30:26 08/13/21
\n", ' 3bf 41e2 61163bb3   0\n', 'Method   Instrument running a blank run
11:30:27 08/13/21\n', ' 70 1daf 61163bd3   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   11:30:59 08/13/21\n', ' 70 1dac 61163cc3   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   11:34:59 08/13/21\n', ' 70 1
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0813_Pac--012.D   11:35:03 08/13/21\n', ' 875 41e2 61163cc7   0\n', 'Metho
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1:35:04 08/13/21\n', ' 3bf 41e2 61163cc8   0\n', 'Method   Method completed
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12:46:27 08/13/21\n', ' 875 41e2 61164d84   0\n', 'Method   Saving Method DA.M
12:46:28 08/13/21\n', ' 70 41e0 61164d84   0\n', 'CP Macro   Report could not be

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1   0.005   58.37
2   0.010   59.34
3   0.015   60.33
4   0.020   61.24
..   ..
795 3.975   53.08
796 3.980   53.30
797 3.985   53.39
798 3.990   53.57
799 3.995   53.94

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\n', "Method   ' inj# 1   11:35:04 08/13/21
\n", ' 3bf 41e2 61163cca   0\n', 'Method   Instrument running sample from locat
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E63055907 - Run   11:35:38 08/13/21\n', ' 70 1dac 61163dda
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:39:38 08/13/21
\n', ' 70 1dae 61163dda   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
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10813_Pac--013.D   11:39:42 08/13/21\n', ' 875 41e2 61163dde   0\n', 'Meth
od   Saving Method DA.M   11:39:42 08/13/21\n', ' 70
41e0 61163ddf   0\n', 'CP Macro   Report could not be created.
11:39:43 08/13/21\n', ' 3bf 41e2 61163ddf   0\n', 'Method   Method completed
11:39:43 08/13/21\n', ' 443 41e2 61164d84   0\n', "Method   Method started: li
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41e0 61164d85   0\n', 'CP Macro   Analyzing rawdata 210813_Pac--013.D
12:46:29 08/13/21\n', ' 875 41e2 61164d85   0\n', 'Method   Saving Method DA.M
12:46:29 08/13/21\n', ' 70 41e0 61164d86   0\n', 'CP Macro   Report could not be
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0   0.000   55.58
1   0.005   57.95
2   0.010   58.79
3   0.015   59.96
4   0.020   60.62
..   ..
795 3.975   53.68
796 3.980   53.63
797 3.985   53.21

```
798   3.990                53.57
799   3.995                53.63

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\n', "Method        ' inj# 1                                        11:39:43 08/13/21
\n", ' 3bf 41e2 61163de1    0\n', 'Method        Instrument running a blank run
11:39:45 08/13/21\n', '  70 1daf 61163e00    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                     11:40:16 08/13/21\n', '  70 1dac 61163ef1    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                          11:44:17 08/13/21\n', '  70 1
dae 61163ef1    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun                        1
1:44:17 08/13/21\n', '  70 1daa 61163ef1    0\n', 'G1316B      1 G1316B:DE60555985 -
Postrun                     11:44:17 08/13/21\n', ' 3bf 41e2 61163ef4    0\n', 'Metho
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1:44:20 08/13/21\n', ' 875 41e2 61163ef5    0\n', 'Method        Saving Method RUN.M
11:44:21 08/13/21\n', '  70 41e0 61163ef5    0\n', 'CP Macro      Analyzing rawdata 2
10813_Pac--014.D              11:44:21 08/13/21\n', ' 875 41e2 61163ef5    0\n', 'Meth
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41e0 61163ef5    0\n', 'CP Macro      Report could not be created.
11:44:21 08/13/21\n', ' 3bf 41e2 61163ef6    0\n', 'Method        Method completed
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41e0 61164d87    0\n', 'CP Macro      Analyzing rawdata 210813_Pac--014.D
12:46:31 08/13/21\n', ' 875 41e2 61164d87    0\n', 'Method        Saving Method DA.M
12:46:31 08/13/21\n', '  70 41e0 61164d88    0\n', 'CP Macro      Report could not be
created.                  12:46:32 08/13/21\n', ' 3bf 41e2 61164d88    0\n', 'Metho
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ce Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:46:06 08/13/2
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ntype': 2, 'Start date': '12:46:06 08/13/21', 'Runtime': 2, 'Idle time': 'NA', 'Numb
er of Trials': 2, 'Curve':      Time  Sample - 001-blank
0    0.000                66.40
1    0.005                66.64
2    0.010                69.27
3    0.015                70.24
4    0.020                70.91
..   ...                  ...
795  3.975                55.51
796  3.980                55.76
797  3.985                55.63
798  3.990                55.82
799  3.995                55.95

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\n', 'Method        inj# 1                                        10:37:33 08/13/21
\n', ' 3bf 41e2 61162f4d    0\n', 'Method        Instrument running a blank run
10:37:33 08/13/21\n', '  70 1dac 61162f4d    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Pump on                     10:37:33 08/13/21\n', '  70 1dad 61162f4f    0\n', 'G1312
B     2 G1312B:DE63056112 - Pump on                        10:37:35 08/13/21\n', '  70 1
daf 61162f56    0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle            1
0:37:42 08/13/21\n', '  70 1dac 61162fd7    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Run                     10:39:51 08/13/21\n', '  70 1dac 611630c7    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                        10:43:51 08/13/21\n', '  70 1
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dae 611630c7   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:43:51 08/13/21\n', ' 3bf 41e2 611630ca   0\n', 'Method   Instrument run compl
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0:43:56 08/13/21\n', ' 3bf 41e2 611630cc   0\n', 'Method   Method completed
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41e0 61164d6f   0\n', 'CP Macro   Analyzing rawdata 210813_Pac.D
12:46:07 08/13/21\n', ' 875 41e2 61164d6f   0\n', 'Method   Saving Method DA.M
12:46:07 08/13/21\n', ' 70 41e0 61164d70   0\n', 'CP Macro   Report could not be
created.   12:46:08 08/13/21\n', ' 3bf 41e2 61164d70   0\n', 'Metho
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ce Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start time: 08:15:02
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me': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample - 002-blank
0   0.000   61.48
1   0.005   61.97
2   0.010   63.30
3   0.015   63.98
4   0.020   64.52
..   ..
415 2.075   74.85
416 2.080   74.85
417 2.085   74.80
418 2.090   74.74
419 2.095   74.43

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\n', ' 3bf 41e2 61160de7   0\n', 'Method   Instrument running a blank run
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Detector: Prepare   08:15:06 08/13/21\n', ' 70 1daf 61160dee   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   08:15:10 08/13/21\n', ' 70 1
dac 61160e06   0\n', 'G7110B   1 G7110B:DEAEH01167 - Run   0
8:15:34 08/13/21\n', ' 70 1dae 61160e85   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   08:17:41 08/13/21\n', ' 70 1dac 61160e85   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   08:17:41 08/13/21\n', ' 3bf 4
1e2 61160e86   0\n', 'Method   Instrument run completed   0
8:17:42 08/13/21\n', ' 875 41e2 61160e87   0\n', 'Method   Saving Method SAA_41
1_Gem.M   08:17:43 08/13/21\n', ' 875 41e2 61160e87   0\n', 'Metho
d   Saving Method RUN.M   08:17:43 08/13/21\n', ' 70 4
1e0 61160e87   0\n', 'CP Macro   Analyzing rawdata 210813_Gem_210812--002.D   0
8:17:43 08/13/21\n', ' 875 41e2 61160e88   0\n', 'Method   Saving Method DA.M
08:17:44 08/13/21\n', ' 70 41e0 61160e88   0\n', 'CP Macro   Report could not be
created.   08:17:44 08/13/21\n', ' 3bf 41e2 61160e88   0\n', 'Metho
d   Method completed   08:17:44 08/13/21\n']}, 'Devi
ce Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start time: 08:17:44
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1   0.005   65.00
2   0.010   65.80
3   0.015   66.53
4   0.020   67.01
..   ..
415 2.075   76.02
416 2.080   75.89
417 2.085   75.77
418 2.090   76.08
419 2.095   75.58

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\n', ' 3bf 41e2 61160e89   0\n', 'Method   Instrument running a blank run
08:17:45 08/13/21\n', ' 70 1daf 61160e8c   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   08:17:48 08/13/21\n', ' 70 1daf 61160e90   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   08:17:52 08/13/21\n', ' 70 1
daf 61160ea9   0\n', 'G1315C   1 G1315C:DE63055907 - Run   0
8:18:17 08/13/21\n', ' 70 1dae 61160f27   0\n', 'G7116B   2 G7116B:DEBAZ03738 -
Postrun   08:20:23 08/13/21\n', ' 3bf 41e2 61160f28   0\n', 'Metho
d   Instrument run completed   08:20:24 08/13/21\n', ' 875 4
1e2 61160f29   0\n', 'Method   Saving Method SAA_411_Gem.M   0
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08:20:26 08/13/21\n', ' 70 41e0 61160f2a   0\n', 'CP Macro   Analyzing rawdata 2
10813_Gem_210812--003.D   08:20:26 08/13/21\n', ' 875 41e2 61160f2a   0\n', 'Meth
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41e0 61160f2b   0\n', 'CP Macro   Report could not be created.
08:20:27 08/13/21\n', ' 3bf 41e2 61160f2b   0\n', 'Method   Method completed
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Sample - 004-blank
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1   0.005   65.73
2   0.010   66.28
3   0.015   67.01
4   0.020   67.63
..   ..
415 2.075   76.68
416 2.080   76.62
417 2.085   76.44
418 2.090   76.31
419 2.095   76.68

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\n', 'Method   inj# 4   08:20:27 08/13/21
\n', ' 3bf 41e2 61160f2b   0\n', 'Method   Instrument running a blank run
08:20:27 08/13/21\n', ' 70 1daf 61160f2e   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   08:20:30 08/13/21\n', ' 70 1daf 61160f33   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   08:20:35 08/13/21\n', ' 70 1

daf 61160f4b   0\n', 'G1315C   1 G1315C:DE63055907 - Run   0
8:20:59 08/13/21\n', ' 70 1dac 61160fca   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   08:23:06 08/13/21\n', ' 70 1dae 61160fca   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   08:23:06 08/13/21\n', ' 3bf 4
1e2 61160fcb   0\n', 'Method   Instrument run completed   0
8:23:07 08/13/21\n', ' 875 41e2 61160fcc   0\n', 'Method   Saving Method SAA_41
1_Gem.M   08:23:08 08/13/21\n', ' 875 41e2 61160fcc   0\n', 'Metho
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1e0 61160fcc   0\n', 'CP Macro   Analyzing rawdata 210813_Gem_210812--004.D   0
8:23:08 08/13/21\n', ' 875 41e2 61160fcc   0\n', 'Method   Saving Method DA.M
08:23:08 08/13/21\n', ' 70 41e0 61160fcd   0\n', 'CP Macro   Report could not be
created.   08:23:09 08/13/21\n', ' 3bf 41e2 61160fcd   0\n', 'Metho
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ce Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start time: 08:23:09
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Gem_210812--005

```
0    0.000                       65.44
1    0.005                       66.59
2    0.010                       67.26
3    0.015                       67.68
4    0.020                       68.41
..    ...                        ...
415  2.075                       77.17
416  2.080                       77.12
417  2.085                       77.04
418  2.090                       76.93
419  2.095                       77.17
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\n', 'Method   inj# 1   08:23:09 08/13/21
\n', ' 3bf 41e2 61160fce   0\n', 'Method   Instrument running sample from locat
ion P1-A2 08:23:10 08/13/21\n', ' 70 1daf 61160fd0   0\n', 'G1315C   1 G1315C:D
E63055907 - Detector: Prepare   08:23:12 08/13/21\n', ' 70 1daf 61160fd5
0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   08:23:17 08/13/21
\n', ' 70 1daf 61160fed   0\n', 'G1315C   1 G1315C:DE63055907 - Run
08:23:41 08/13/21\n', ' 70 1dac 6116106c   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   08:25:48 08/13/21\n', ' 70 1dae 6116106c   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   08:25:48 08/13/21\n', ' 70 1
dab 6116106c   0\n', 'G1367E   1 G1367E:DEAAN00101 - Postrun   0
8:25:48 08/13/21\n', ' 3bf 41e2 6116106d   0\n', 'Method   Instrument run compl
eted   08:25:49 08/13/21\n', ' 875 41e2 6116106e   0\n', 'Metho
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8:25:50 08/13/21\n', ' 70 41e0 6116106e   0\n', 'CP Macro   Analyzing rawdata 21
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8:25:51 08/13/21\n', ' 3bf 41e2 6116106f   0\n', 'Method   Method completed
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Sample - 001-blank

```
0    0.000              58.79
1    0.005              59.89
2    0.010              60.69
3    0.015              61.48
4    0.020              62.15
..    ...                ...
415  2.075              73.16
416  2.080              73.10
417  2.085              73.28
418  2.090              73.28
419  2.095              73.03
```

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\n', 'Method   inj# 1   08:10:53 08/13/21
\n', ' 3bf 41e2 61160ced   0\n', 'Method   Instrument running a blank run
08:10:53 08/13/21\n', ' 70 1dac 61160ced   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Pump on   08:10:53 08/13/21\n', ' 70 1dad 61160ced   0\n', 'G1312
B   2 G1312B:DE63056112 - Pump on   08:10:53 08/13/21\n', ' 70 1
daf 61160d45   0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Prepare   0
8:12:21 08/13/21\n', ' 70 1daf 61160d4a   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Idle   08:12:26 08/13/21\n', ' 70 1dac 61160d64   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Run   08:12:52 08/13/21\n', ' 70 1
dae 61160de3   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   0
8:14:59 08/13/21\n', ' 3bf 41e2 61160de4   0\n', 'Method   Instrument run compl
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0813_Gem_210812.D   08:15:01 08/13/21\n', ' 875 41e2 61160de6   0\n', 'Metho
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```
0    0.000              38.15
1    0.005              37.15
2    0.010              35.72
3    0.015              34.52
4    0.020              33.55
..    ...                ...
795  3.975              50.40
796  3.980              47.79
797  3.985              45.47
798  3.990              43.46
799  3.995              41.95
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\n', ' 3bf 41e2 6114dd8c   0\n', 'Method   Instrument running a blank run
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Run   10:37:00 08/12/21\n', ' 70 1dac 6114de9c   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:41:00 08/12/21\n', ' 70 1

dae 6114de9c   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:41:00 08/12/21\n', ' 3bf 41e2 6114de9f   0\n', 'Method   Instrument run compl
eted   10:41:03 08/12/21\n', ' 875 41e2 6114dea0   0\n', 'Metho
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ne# 2 at location 'P1-A1'> 10:51:11 08/13/21\n", ' 443 41e2 6116327f 68ef\n', 'Meth
od   inj# 2   10:51:11 08/13/21\n', ' 70
41e0 61163280   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--002.D
10:51:12 08/13/21\n', ' 875 41e2 61163280   0\n', 'Method   Saving Method DA.M
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created.   10:51:13 08/13/21\n', ' 3bf 41e2 61163281   0\n', 'Metho
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10812_Pac--002.D   10:59:25 08/13/21\n', ' 875 41e2 6116346d   0\n', 'Meth
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41e0 6116346e   0\n', 'CP Macro   Report could not be created.
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1   0.005   45.36
2   0.010   47.91
3   0.015   50.47
4   0.020   52.48
..   ..
795 3.975   59.16
796 3.980   59.47
797 3.985   59.34
798 3.990   60.20
799 3.995   60.44

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\n', 'Method   inj# 3   10:41:05 08/12/21
\n', ' 3bf 41e2 6114dea3   0\n', 'Method   Instrument running a blank run
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Run   10:41:39 08/12/21\n', ' 70 1dac 6114dfb3   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:45:39 08/12/21\n', ' 70 1
dae 6114dfb3   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:45:39 08/12/21\n', ' 70 1daa 6114dfb3   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   10:45:39 08/12/21\n', ' 3bf 41e2 6114dfb6   0\n', 'Metho
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od       Saving Method DA.M                                      10:45:44 08/12/21\n', '  70
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ne# 3 at location 'P1-A1'>  10:51:13 08/13/21\n", ' 443 41e2 61163281   50\n', 'Meth
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created.                       10:51:14 08/13/21\n', ' 3bf 41e2 61163283    0\n', 'Metho
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0:59:26 08/13/21\n", ' 443 41e2 6116346e    0\n', 'Method        inj# 3
10:59:26 08/13/21\n', '  70 41e0 6116346e    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac--003.D              10:59:26 08/13/21\n', ' 875 41e2 6116346f    0\n', 'Meth
od       Saving Method DA.M                                    10:59:27 08/13/21\n', '  70
41e0 6116346f    0\n', 'CP Macro     Report could not be created.
10:59:27 08/13/21\n', ' 3bf 41e2 61163470    0\n', 'Method        Method completed
10:59:28 08/13/21\n']}, 'Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 |
Start time: 10:59:28 08/13/21': {'Method': '210812_Pac 2021-08-12 10-30-07', 'Sample
': 'Sample - 004-blank', 'Runtype': 0, 'Start date': '10:59:28 08/13/21', 'Runtime':
1, 'Idle time': 'NA', 'Number of Trials': 3, 'Curve':       Time  Sample - 004-blank
0    0.000              56.24
1    0.005              58.32
2    0.010              59.52
3    0.015              60.69
4    0.020              51.86
..     ...                 ...
795  3.975              55.14
796  3.980              55.14
797  3.985              55.63
798  3.990              55.63
799  3.995              55.76

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\n', 'Method        inj# 4                                              10:45:44 08/12/21
\n', ' 3bf 41e2 6114dfb8    0\n', 'Method        Instrument running a blank run
10:45:44 08/12/21\n', '  70 1daf 6114dfda    0\n', 'G1315C      1 G1315C:DE63055907 -
Run                    10:46:18 08/12/21\n', '  70 1dac 6114e0ca    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                 10:50:18 08/12/21\n', '  70 1
dae 6114e0ca    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                 1
0:50:18 08/12/21\n', ' 3bf 41e2 6114e0cd    0\n', 'Method        Instrument run compl
eted                   10:50:21 08/12/21\n', ' 875 41e2 6114e0ce    0\n', 'Metho
d       Saving Method SAA_411_Pac.M                 10:50:22 08/12/21\n', ' 875 4
1e2 6114e0ce    0\n', 'Method        Saving Method RUN.M                         1
0:50:22 08/12/21\n', '  70 41e0 6114e0ce    0\n', 'CP Macro     Analyzing rawdata 21
0812_Pac--004.D          10:50:22 08/12/21\n', ' 875 41e2 6114e0cf    0\n', 'Metho
d       Saving Method DA.M                          10:50:23 08/12/21\n', '  70 4
1e0 6114e0cf    0\n', 'CP Macro     Report could not be created.              1
0:50:23 08/12/21\n', ' 3bf 41e2 6114e0cf    0\n', 'Method        Method completed
10:50:23 08/12/21\n', ' 443 41e2 61163283   50\n', "Method        Method started:  li
ne# 4 at location 'P1-A1'>  10:51:15 08/13/21\n", ' 443 41e2 61163283   50\n', 'Meth
od        inj# 4                                               10:51:15 08/13/21\n', '  70
41e0 61163283    0\n', 'CP Macro     Analyzing rawdata 210812_Pac--004.D
10:51:15 08/13/21\n', ' 875 41e2 61163284    0\n', 'Method        Saving Method DA.M
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10:51:16 08/13/21\n', ' 70 41e0 61163284   0\n', 'CP Macro   Report could not be
created.   10:51:16 08/13/21\n', ' 3bf 41e2 61163284   0\n', 'Metho
d   Method completed   10:51:16 08/13/21\n', ' 443 4
1e2 61163470   50\n', "Method   Method started: line# 4 at location 'P1-A1'> 1
0:59:28 08/13/21\n", ' 443 41e2 61163470   50\n', 'Method   inj# 4
10:59:28 08/13/21\n', ' 70 41e0 61163470   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--004.D   10:59:28 08/13/21\n', ' 875 41e2 61163471   0\n', 'Meth
od   Saving Method DA.M   10:59:29 08/13/21\n', ' 70
41e0 61163471   0\n', 'CP Macro   Report could not be created.
10:59:29 08/13/21\n', ' 3bf 41e2 61163471   0\n', 'Method   Method completed
10:59:29 08/13/21\n']}, 'Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 |
Start time: 10:59:29 08/13/21': {'Method': '210812_Pac 2021-08-12 10-30-07', 'Sample
': 'Sample - 210812_Pac--005', 'Runtype': 1, 'Start date': '10:59:29 08/13/21', 'Run
time': 2, 'Idle time': 'NA', 'Number of Trials': 3, 'Curve':   Time Sample - 21
0812_Pac--005
0   0.000   56.18
1   0.005   57.83
2   0.010   58.87
3   0.015   59.78
4   0.020   60.80
..   ..
795 3.975   53.94
796 3.980   54.30
797 3.985   54.30
798 3.990   54.30
799 3.995   54.36

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arted: line# 5 at location 'P1-A2'> 10:50:23 08/12/21\n", ' 443 41e2 6114e0cf f740
\n', 'Method   inj# 1   10:50:23 08/12/21
\n', ' 3bf 41e2 6114e0cf   0\n', 'Method   Instrument running sample from locat
ion P1-A2 10:50:23 08/12/21\n', ' 70 1daf 6114e0f1   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   10:50:57 08/12/21\n', ' 70 1dac 6114e1e1
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   10:54:57 08/12/21
\n', ' 70 1daa 6114e1e2   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun
10:54:58 08/12/21\n', ' 3bf 41e2 6114e1e4   0\n', 'Method   Instrument run comp
leted   10:55:00 08/12/21\n', ' 875 41e2 6114e1e5   0\n', 'Meth
od   Saving Method SAA_411_Pac.M   10:55:01 08/12/21\n', ' 875
41e2 6114e1e5   0\n', 'Method   Saving Method RUN.M
10:55:01 08/12/21\n', ' 70 41e0 6114e1e5   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--005.D   10:55:01 08/12/21\n', ' 875 41e2 6114e1e6   0\n', 'Meth
od   Saving Method DA.M   10:55:02 08/12/21\n', ' 70
41e0 6114e1e6   0\n', 'CP Macro   Report could not be created.
10:55:02 08/12/21\n', ' 3bf 41e2 6114e1e6   0\n', 'Method   Method completed
10:55:02 08/12/21\n', ' 443 41e2 61163284   0\n', "Method   Method started: li
ne# 5 at location 'P1-A2'> 10:51:16 08/13/21\n", ' 443 41e2 61163284   0\n', 'Meth
od   inj# 1   10:51:16 08/13/21\n', ' 70
41e0 61163285   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--005.D
10:51:17 08/13/21\n', ' 875 41e2 61163285   0\n', 'Method   Saving Method DA.M
10:51:17 08/13/21\n', ' 70 41e0 61163286   0\n', 'CP Macro   Report could not be
created.   10:51:18 08/13/21\n', ' 3bf 41e2 61163286   0\n', 'Metho
d   Method completed   10:51:18 08/13/21\n', ' 443 4
1e2 61163471   50\n', "Method   Method started: line# 5 at location 'P1-A2'> 1
0:59:29 08/13/21\n", ' 443 41e2 61163471   50\n', 'Method   inj# 1
10:59:29 08/13/21\n', ' 70 41e0 61163472   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--005.D   10:59:30 08/13/21\n', ' 875 41e2 61163472   0\n', 'Meth

od   Saving Method DA.M   10:59:30 08/13/21\n', '   70
41e0 61163473   0\n', 'CP Macro   Report could not be created.
10:59:31 08/13/21\n', ' 3bf 41e2 61163473   0\n', 'Method   Method completed
10:59:31 08/13/21\n']}, 'Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 |
Start time: 10:59:31 08/13/21': {'Method': '210812_Pac 2021-08-12 10-30-07', 'Sample
': 'Sample - 006-blank', 'Runtype': 0, 'Start date': '10:59:31 08/13/21', 'Runtime':
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0   0.000   55.82
1   0.005   57.46
2   0.010   58.61
3   0.015   59.70
4   0.020   60.69
..   ..
795 3.975   54.30
796 3.980   54.36
797 3.985   54.36
798 3.990   54.48
799 3.995   54.30

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\n', 'Method   inj# 1   10:55:02 08/12/21
\n', ' 3bf 41e2 6114e1e8   0\n', 'Method   Instrument running a blank run
10:55:04 08/12/21\n', ' 70 1daf 6114e208   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   10:55:36 08/12/21\n', ' 70 1dac 6114e2f8   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   10:59:36 08/12/21\n', ' 70 1
dae 6114e2f8   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun   1
0:59:36 08/12/21\n', ' 3bf 41e2 6114e2fb   0\n', 'Method   Instrument run compl
eted   10:59:39 08/12/21\n', ' 875 41e2 6114e2fc   0\n', 'Metho
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1e2 6114e2fc   0\n', 'Method   Saving Method RUN.M   1
0:59:40 08/12/21\n', ' 70 41e0 6114e2fc   0\n', 'CP Macro   Analyzing rawdata 21
0812_Pac--006.D   10:59:40 08/12/21\n', ' 875 41e2 6114e2fd   0\n', 'Metho
d   Saving Method DA.M   10:59:41 08/12/21\n', ' 70 4
1e0 6114e2fd   0\n', 'CP Macro   Report could not be created.   1
0:59:41 08/12/21\n', ' 3bf 41e2 6114e2fd   0\n', 'Method   Method completed
10:59:41 08/12/21\n', ' 443 41e2 61163286 d000\n', "Method   Method started: li
ne# 6 at location 'P1-A1'> 10:51:18 08/13/21\n", ' 443 41e2 61163286 d000\n', 'Meth
od   inj# 1   10:51:18 08/13/21\n', ' 70
41e0 61163287   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--006.D
10:51:19 08/13/21\n', ' 875 41e2 61163287   0\n', 'Method   Saving Method DA.M
10:51:19 08/13/21\n', ' 70 41e0 61163288   0\n', 'CP Macro   Report could not be
created.   10:51:20 08/13/21\n', ' 3bf 41e2 61163288   0\n', 'Metho
d   Method completed   10:51:20 08/13/21\n', ' 443 4
1e2 61163473 d000\n', "Method   Method started: line# 6 at location 'P1-A1'> 1
0:59:31 08/13/21\n", ' 443 41e2 61163473 d000\n', 'Method   inj# 1
10:59:31 08/13/21\n', ' 70 41e0 61163474   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--006.D   10:59:32 08/13/21\n', ' 875 41e2 61163474   0\n', 'Meth
od   Saving Method DA.M   10:59:32 08/13/21\n', ' 70
41e0 61163475   0\n', 'CP Macro   Report could not be created.
10:59:33 08/13/21\n', ' 3bf 41e2 61163475   0\n', 'Method   Method completed
10:59:33 08/13/21\n']}, 'Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 |
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time': 1, 'Idle time': 'NA', 'Number of Trials': 3, 'Curve':   Time Sample - 21
0812_Pac--007

```
0    0.000                    56.36
1    0.005                    58.32
2    0.010                    59.41
3    0.015                    60.51
4    0.020                    61.17
..   ...                      ...
795  3.975                    53.63
796  3.980                    53.86
797  3.985                    54.17
798  3.990                    53.99
799  3.995                    54.54
```

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\n', 'Method   inj# 1   10:59:41 08/12/21
\n', ' 3bf 41e2 6114e2ff   0\n', 'Method   Instrument running sample from locat
ion P1-B1 10:59:43 08/12/21\n', ' 70 1daf 6114e31f   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:00:15 08/12/21\n', ' 70 1dac 6114e40f
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:04:15 08/12/21
\n', ' 70 1dae 6114e40f   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:04:15 08/12/21\n', ' 3bf 41e2 6114e412   0\n', 'Method   Instrument run comp
leted   11:04:18 08/12/21\n', ' 875 41e2 6114e413   0\n', 'Meth
od   Saving Method SAA_411_Pac.M   11:04:19 08/12/21\n', ' 875
41e2 6114e413   0\n', 'Method   Saving Method RUN.M
11:04:19 08/12/21\n', ' 70 41e0 6114e413   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--007.D   11:04:19 08/12/21\n', ' 875 41e2 6114e413   0\n', 'Meth
od   Saving Method DA.M   11:04:19 08/12/21\n', ' 70
41e0 6114e414   0\n', 'CP Macro   Report could not be created.
11:04:20 08/12/21\n', ' 3bf 41e2 6114e414   0\n', 'Method   Method completed
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od   inj# 1   10:51:20 08/13/21\n', ' 70
41e0 61163288   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--007.D
10:51:20 08/13/21\n', ' 875 41e2 61163289   0\n', 'Method   Saving Method DA.M
10:51:21 08/13/21\n', ' 70 41e0 61163289   0\n', 'CP Macro   Report could not be
created.   10:51:21 08/13/21\n', ' 3bf 41e2 6116328a   0\n', 'Metho
d   Method completed   10:51:22 08/13/21\n', ' 443 4
1e2 61163475   50\n', "Method   Method started: line# 7 at location 'P1-B1'> 1
0:59:33 08/13/21\n", ' 443 41e2 61163475   50\n', 'Method   inj# 1
10:59:33 08/13/21\n', ' 70 41e0 61163475   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--007.D   10:59:33 08/13/21\n', ' 875 41e2 61163476   0\n', 'Meth
od   Saving Method DA.M   10:59:34 08/13/21\n', ' 70
41e0 61163476   0\n', 'CP Macro   Report could not be created.
10:59:34 08/13/21\n', ' 3bf 41e2 61163476   0\n', 'Method   Method completed
10:59:34 08/13/21\n']}, 'Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 |
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1, 'Idle time': 'NA', 'Number of Trials': 3, 'Curve':   Time Sample - 008-blank
```

```
0    0.000                    55.58
1    0.005                    57.51
2    0.010                    58.61
3    0.015                    59.60
4    0.020                    60.51
..   ...                      ...
795  3.975                    53.57
796  3.980                    53.75
```

```
797  3.985              53.81
798  3.990              54.12
799  3.995              54.05

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\n', 'Method        inj# 1                                        11:04:20 08/12/21
\n', ' 3bf 41e2 6114e416    0\n', 'Method        Instrument running a blank run
11:04:22 08/12/21\n', '  70 1daf 6114e436    0\n', 'G1315C     1 G1315C:DE63055907 -
Run                     11:04:54 08/12/21\n', '  70 1dac 6114e526    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                       11:08:54 08/12/21\n', '  70 1
dae 6114e526    0\n', 'G7116B      2 G7116B:DEBAZ03738 - Postrun               1
1:08:54 08/12/21\n', ' 3bf 41e2 6114e529    0\n', 'Method        Instrument run compl
eted                    11:08:57 08/12/21\n', ' 875 41e2 6114e52a    0\n', 'Metho
d        Saving Method SAA_411_Pac.M                11:08:58 08/12/21\n', ' 875 4
1e2 6114e52a    0\n', 'Method        Saving Method RUN.M                      1
1:08:58 08/12/21\n', '  70 41e0 6114e52a    0\n', 'CP Macro      Analyzing rawdata 21
0812_Pac--008.D            11:08:58 08/12/21\n', ' 875 41e2 6114e52a    0\n', 'Metho
d        Saving Method DA.M                      11:08:58 08/12/21\n', '  70 4
1e0 6114e52a    0\n', 'CP Macro      Report could not be created.               1
1:08:58 08/12/21\n', ' 3bf 41e2 6114e52b    0\n', 'Method        Method completed
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od        inj# 1                                     10:51:22 08/13/21\n', '  70
41e0 6116328a    0\n', 'CP Macro      Analyzing rawdata 210812_Pac--008.D
10:51:22 08/13/21\n', ' 875 41e2 6116328b    0\n', 'Method        Saving Method DA.M
10:51:23 08/13/21\n', '  70 41e0 6116328b    0\n', 'CP Macro      Report could not be
created.                10:51:23 08/13/21\n', ' 3bf 41e2 6116328c    0\n', 'Metho
d        Method completed                       10:51:24 08/13/21\n', ' 443 4
1e2 61163477   50\n', "Method        Method started:  line# 8 at location 'P1-A1'>  1
0:59:35 08/13/21\n", ' 443 41e2 61163477   50\n', 'Method        inj# 1
10:59:35 08/13/21\n', '  70 41e0 61163477    0\n', 'CP Macro      Analyzing rawdata 2
10812_Pac--008.D            10:59:35 08/13/21\n', ' 875 41e2 61163477    0\n', 'Meth
od        Saving Method DA.M                      10:59:35 08/13/21\n', '  70
41e0 61163478    0\n', 'CP Macro      Report could not be created.
10:59:36 08/13/21\n', ' 3bf 41e2 61163478    0\n', 'Method        Method completed
10:59:36 08/13/21\n']}, 'Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 |
Start time: 10:59:36 08/13/21': {'Method': '210812_Pac 2021-08-12 10-30-07', 'Sample
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time': 2, 'Idle time': 'NA', 'Number of Trials': 3, 'Curve':       Time  Sample - 21
0812_Pac--009
0    0.000              56.68
1    0.005              58.01
2    0.010              59.78
3    0.015              60.87
4    0.020              61.53
..     ...                 ...
795  3.975              52.66
796  3.980              53.44
797  3.985              53.57
798  3.990              53.63
799  3.995              53.68

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\n', 'Method        inj# 1                                        11:08:59 08/12/21
```

\n', ' 3bf 41e2 6114e52b   0\n', 'Method   Instrument running sample from locat
ion P1-B2 11:08:59 08/12/21\n', ' 70 1daf 6114e54c   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:09:32 08/12/21\n', ' 70 1dac 6114e63c
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:13:32 08/12/21
\n', ' 70 1dae 6114e63c   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:13:32 08/12/21\n', ' 70 1daa 6114e63d   0\n', 'G1316B   1 G1316B:DE60555985 -
Postrun   11:13:33 08/12/21\n', ' 3bf 41e2 6114e63f   0\n', 'Metho
d   Instrument run completed   11:13:35 08/12/21\n', ' 875 4
1e2 6114e640   0\n', 'Method   Saving Method SAA_411_Pac.M   1
1:13:36 08/12/21\n', ' 875 41e2 6114e640   0\n', 'Method   Saving Method RUN.M
11:13:36 08/12/21\n', ' 70 41e0 6114e640   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--009.D   11:13:36 08/12/21\n', ' 875 41e2 6114e641   0\n', 'Meth
od   Saving Method DA.M   11:13:37 08/12/21\n', ' 70
41e0 6114e641   0\n', 'CP Macro   Report could not be created.
11:13:37 08/12/21\n', ' 3bf 41e2 6114e641   0\n', 'Method   Method completed
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ne# 9 at location 'P1-B2'> 10:51:24 08/13/21\n", ' 443 41e2 6116328c   50\n', 'Meth
od   inj# 1   10:51:24 08/13/21\n', ' 70
41e0 6116328c   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--009.D
10:51:24 08/13/21\n', ' 875 41e2 6116328d   0\n', 'Method   Saving Method DA.M
10:51:25 08/13/21\n', ' 70 41e0 6116328d   0\n', 'CP Macro   Report could not be
created.   10:51:25 08/13/21\n', ' 3bf 41e2 6116328d   0\n', 'Metho
d   Method completed   10:51:25 08/13/21\n', ' 443 4
1e2 61163478 d000\n', "Method   Method started: line# 9 at location 'P1-B2'> 1
0:59:36 08/13/21\n", ' 443 41e2 61163478 d000\n', 'Method   inj# 1
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10812_Pac--009.D   10:59:37 08/13/21\n', ' 875 41e2 61163479   0\n', 'Meth
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41e0 6116347a   0\n', 'CP Macro   Report could not be created.
10:59:38 08/13/21\n', ' 3bf 41e2 6116347a   0\n', 'Method   Method completed
10:59:38 08/13/21\n']}, 'Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 |
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': 'Sample - 210812_Pac--010', 'Runtype': 1, 'Start date': '10:59:38 08/13/21', 'Run
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0812_Pac--010
0   0.000   65.67
1   0.005   58.56
2   0.010   59.60
3   0.015   60.87
4   0.020   61.42
..   ..
795 3.975   53.26
796 3.980   53.44
797 3.985   53.50
798 3.990   53.81
799 3.995   53.99

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ion P1-B3 11:13:37 08/12/21\n', ' 70 1dac 6114e663   0\n', 'G7110B   1 G7110B:D
EAEH01167 - Run   11:14:11 08/12/21\n', ' 70 1dac 6114e753
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:18:11 08/12/21
\n', ' 70 1dae 6114e754   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
11:18:12 08/12/21\n', ' 70 1daa 6114e754   0\n', 'G1316B   1 G1316B:DE60555985 -

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Postrun                       11:18:12 08/12/21\n', ' 3bf 41e2 6114e756    0\n', 'Metho
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1e2 6114e757    0\n', 'Method        Saving Method SAA_411_Pac.M                  1
1:18:15 08/12/21\n', ' 875 41e2 6114e757    0\n', 'Method       Saving Method RUN.M
11:18:15 08/12/21\n', '  70 41e0 6114e757    0\n', 'CP Macro    Analyzing rawdata 2
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41e0 6114e758    0\n', 'CP Macro     Report could not be created.
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41e0 6116328e    0\n', 'CP Macro     Analyzing rawdata 210812_Pac--010.D
10:51:26 08/13/21\n', ' 875 41e2 6116328e    0\n', 'Method        Saving Method DA.M
10:51:26 08/13/21\n', '  70 41e0 6116328f    0\n', 'CP Macro     Report could not be
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10812_Pac--010.D               10:59:38 08/13/21\n', ' 875 41e2 6116347b    0\n', 'Meth
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41e0 6116347b    0\n', 'CP Macro     Report could not be created.
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0812_Pac--011
0    0.000                    57.15
1    0.005                    58.32
2    0.010                    59.47
3    0.015                    60.33
4    0.020                    61.35
..    ...                      ...
795  3.975                    53.68
796  3.980                    52.90
797  3.985                    53.50
798  3.990                    53.81
799  3.995                    54.12

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\n', "Method        ' inj# 1                                    11:18:16 08/12/21
\n", ' 3bf 41e2 6114e759    0\n', 'Method        Instrument running sample from locat
ion P1-B4  11:18:17 08/12/21\n', '  70 1dac 6114e77a    0\n', 'G7110B     1 G7110B:D
EAEH01167 - Run                       11:18:50 08/12/21\n', '  70 1dac 6114e86a
0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun                11:22:50 08/12/21
\n', '  70 1dae 6114e86a    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun
11:22:50 08/12/21\n', ' 3bf 41e2 6114e86d    0\n', 'Method        Instrument run comp
leted                      11:22:53 08/12/21\n', ' 875 41e2 6114e86e    0\n', 'Meth
od      Saving Method SAA_411_Pac.M                     11:22:54 08/12/21\n', ' 875
41e2 6114e86e    0\n', 'Method       Saving Method RUN.M
11:22:54 08/12/21\n', '  70 41e0 6114e86e    0\n', 'CP Macro    Analyzing rawdata 2
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od   ' inj# 1   10:51:27 08/13/21\n", ' 70
41e0 61163290   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--011.D
10:51:28 08/13/21\n', ' 875 41e2 61163290   0\n', 'Method   Saving Method DA.M
10:51:28 08/13/21\n', ' 70 41e0 61163291   0\n', 'CP Macro   Report could not be
created.   10:51:29 08/13/21\n', ' 3bf 41e2 61163291   0\n', 'Metho
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10:59:40 08/13/21\n", ' 70 41e0 6116347c   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--011.D   10:59:40 08/13/21\n', ' 875 41e2 6116347d   0\n', 'Meth
od   Saving Method DA.M   10:59:41 08/13/21\n', ' 70
41e0 6116347d   0\n', 'CP Macro   Report could not be created.
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0   0.000   57.15
1   0.005   58.37
2   0.010   59.34
3   0.015   60.25
4   0.020   61.11
..   ..
795 3.975   53.44
796 3.980   53.50
797 3.985   53.44
798 3.990   53.63
799 3.995   53.44

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\n', "Method   ' inj# 1   11:22:55 08/12/21
\n", ' 3bf 41e2 6114e871   0\n', 'Method   Instrument running a blank run
11:22:57 08/12/21\n', ' 70 1daf 6114e891   0\n', 'G1315C   1 G1315C:DE63055907 -
Run   11:23:29 08/12/21\n', ' 70 1dac 6114e981   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   11:27:29 08/12/21\n', ' 70 1
daa 6114e981   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   1
1:27:29 08/12/21\n', ' 3bf 41e2 6114e984   0\n', 'Method   Instrument run compl
eted   11:27:32 08/12/21\n', ' 875 41e2 6114e985   0\n', 'Metho
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1:27:33 08/12/21\n', ' 70 41e0 6114e985   0\n', 'CP Macro   Analyzing rawdata 21
0812_Pac--012.D   11:27:33 08/12/21\n', ' 875 41e2 6114e985   0\n', 'Metho
d   Saving Method DA.M   11:27:33 08/12/21\n', ' 70 4
1e0 6114e986   0\n', 'CP Macro   Report could not be created.   1
1:27:34 08/12/21\n', ' 3bf 41e2 6114e986   0\n', 'Method   Method completed
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od   ' inj# 1   10:51:29 08/13/21\n", ' 70
41e0 61163291   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--012.D
10:51:29 08/13/21\n', ' 875 41e2 61163292   0\n', 'Method   Saving Method DA.M
10:51:30 08/13/21\n', ' 70 41e0 61163292   0\n', 'CP Macro   Report could not be

created.   10:51:30 08/13/21\n', ' 3bf 41e2 61163293   0\n', 'Metho
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1e2 6116347e   0\n', "Method   Method started: line# 12 at location 'P1-A1> 1
0:59:42 08/13/21\n", ' 443 41e2 6116347e   0\n', "Method   ' inj# 1
10:59:42 08/13/21\n", ' 70 41e0 6116347e   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--012.D   10:59:42 08/13/21\n', ' 875 41e2 6116347e   0\n', 'Meth
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41e0 6116347f   0\n', 'CP Macro   Report could not be created.
10:59:43 08/13/21\n', ' 3bf 41e2 6116347f   0\n', 'Method   Method completed
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time': 2, 'Idle time': 'NA', 'Number of Trials': 3, 'Curve':   Time Sample - 21
0812_Pac--013
0   0.000   61.35
1   0.005   58.01
2   0.010   59.23
3   0.015   60.02
4   0.020   60.75
..   ..
795 3.975   53.44
796 3.980   53.63
797 3.985   53.81
798 3.990   54.12
799 3.995   54.23

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\n', "Method   ' inj# 1   11:27:34 08/12/21
\n", ' 3bf 41e2 6114e986   0\n', 'Method   Instrument running sample from locat
ion P1-B1 11:27:34 08/12/21\n', ' 70 1daf 6114e9a8   0\n', 'G1315C   1 G1315C:D
E63055907 - Run   11:28:08 08/12/21\n', ' 70 1dac 6114ea98
0\n', 'G7110B   1 G7110B:DEAEH01167 - Postrun   11:32:08 08/12/21
\n', ' 70 1dae 6114ea98   0\n', 'G7116B   2 G7116B:DEBAZ03738 - Postrun
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11:32:12 08/12/21\n', ' 70 41e0 6114ea9c   0\n', 'CP Macro   Analyzing rawdata 2
10812_Pac--013.D   11:32:12 08/12/21\n', ' 875 41e2 6114ea9c   0\n', 'Meth
od   Saving Method DA.M   11:32:12 08/12/21\n', ' 70
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11:32:12 08/12/21\n', ' 3bf 41e2 6114ea9d   0\n', 'Method   Method completed
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41e0 61163293   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--013.D
10:51:31 08/13/21\n', ' 875 41e2 61163294   0\n', 'Method   Saving Method DA.M
10:51:32 08/13/21\n', ' 70 41e0 61163294   0\n', 'CP Macro   Report could not be
created.   10:51:32 08/13/21\n', ' 3bf 41e2 61163294   0\n', 'Metho
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10812_Pac--013.D   10:59:44 08/13/21\n', ' 875 41e2 61163480   0\n', 'Meth
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41e0 61163481   0\n', 'CP Macro   Report could not be created.
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0   0.000   56.49
1   0.005   57.88
2   0.010   58.97
3   0.015   59.05
4   0.020   60.33
..   ..
795 3.975   53.75
796 3.980   53.99
797 3.985   53.86
798 3.990   53.81
799 3.995   53.99

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\n", ' 3bf 41e2 6114ea9e   0\n', 'Method   Instrument running a blank run
11:32:14 08/12/21\n', ' 70 1dac 6114eabe   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Run   11:32:46 08/12/21\n', ' 70 1dac 6114ebaf   0\n', 'G7110
B   1 G7110B:DEAEH01167 - Postrun   11:36:47 08/12/21\n', ' 3bf 4
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1:36:49 08/12/21\n', ' 875 41e2 6114ebb2   0\n', 'Method   Saving Method SAA_41
1_Pac.M   11:36:50 08/12/21\n', ' 875 41e2 6114ebb2   0\n', 'Metho
d   Saving Method RUN.M   11:36:50 08/12/21\n', ' 70 4
1e0 6114ebb3   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--014.D   1
1:36:51 08/12/21\n', ' 875 41e2 6114ebb3   0\n', 'Method   Saving Method DA.M
11:36:51 08/12/21\n', ' 70 41e0 6114ebb3   0\n', 'CP Macro   Report could not be
created.   11:36:51 08/12/21\n', ' 3bf 41e2 6114ebb3   0\n', 'Metho
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10812_Pac--014.D   10:51:33 08/13/21\n', ' 875 41e2 61163296   0\n', 'Meth
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41e0 61163296   0\n', 'CP Macro   Report could not be created.
10:51:34 08/13/21\n', ' 3bf 41e2 61163296   0\n', 'Method   Method completed
10:51:34 08/13/21\n', ' 443 41e2 61163481   0\n', "Method   Method started: li
ne# 14 at location 'P1-A1> 10:59:45 08/13/21\n", ' 443 41e2 61163481   0\n', "Meth
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41e0 61163482   0\n', 'CP Macro   Analyzing rawdata 210812_Pac--014.D
10:59:46 08/13/21\n', ' 875 41e2 61163482   0\n', 'Method   Saving Method DA.M
10:59:46 08/13/21\n', ' 70 41e0 61163483   0\n', 'CP Macro   Report could not be
created.   10:59:47 08/13/21\n', ' 3bf 41e2 61163483   0\n', 'Metho
d   Method completed   10:59:47 08/13/21\n']}, 'Devi
ce Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:59:22 08/13/2
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ntype': 2, 'Start date': '10:59:22 08/13/21', 'Runtime': 2, 'Idle time': 'NA', 'Numb
er of Trials': 3, 'Curve':   Time Sample - 001-blank
0   0.000   53.68
1   0.005   56.18
2   0.010   57.04

```
3    0.015              48.46
4    0.020              46.02
..     ...                 ...
795  3.975              49.12
796  3.980              51.86
797  3.985              53.81
798  3.990              55.45
799  3.995              57.59

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\n', ' 3bf 41e2 6114dc14    0\n', 'Method        Instrument running a blank run
10:30:12 08/12/21\n', '  70 1dac 6114dc14    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Pump on                          10:30:12 08/12/21\n', '  70 1dad 6114dc16    0\n', 'G1312
B     2 G1312B:DE63056112 - Pump on                      10:30:14 08/12/21\n', '  70 1
daf 6114dc1d    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle            1
0:30:21 08/12/21\n', '  70 1dac 6114dc94    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Run                          10:32:20 08/12/21\n', '  70 1dac 6114dd85    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Postrun                      10:36:21 08/12/21\n', '  70 1
dae 6114dd85    0\n', 'G7116B     2 G7116B:DEBAZ03738 - Postrun                    1
0:36:21 08/12/21\n', ' 3bf 41e2 6114dd88    0\n', 'Method        Instrument run compl
eted                          10:36:24 08/12/21\n', ' 875 41e2 6114dd89    0\n', 'Metho
d        Saving Method SAA_411_Pac.M                      10:36:25 08/12/21\n', ' 875 4
1e2 6114dd89    0\n', 'Method        Saving Method RUN.M                          1
0:36:25 08/12/21\n', '  70 41e0 6114dd89    0\n', 'CP Macro     Analyzing rawdata 21
0812_Pac.D                      10:36:25 08/12/21\n', ' 875 41e2 6114dd89    0\n', 'Metho
d        Saving Method DA.M                          10:36:25 08/12/21\n', '  70 4
1e0 6114dd8a    0\n', 'CP Macro     Report could not be created.                    1
0:36:26 08/12/21\n', ' 3bf 41e2 6114dd8a    0\n', 'Method        Method completed
10:36:26 08/12/21\n', ' 443 41e2 6116327d    0\n', "Method        Method started:  li
ne# 1 at location 'P1-A1'>  10:51:09 08/13/21\n", ' 443 41e2 6116327d    0\n', 'Meth
od        inj# 1                                      10:51:09 08/13/21\n', '  70
41e0 6116327e    0\n', 'CP Macro     Analyzing rawdata 210812_Pac.D
10:51:10 08/13/21\n', ' 875 41e2 6116327e    0\n', 'Method        Saving Method DA.M
10:51:10 08/13/21\n', '  70 41e0 6116327f    0\n', 'CP Macro     Report could not be
created.                      10:51:11 08/13/21\n', ' 3bf 41e2 6116327f    0\n', 'Metho
d        Method completed                          10:51:11 08/13/21\n', ' 443 4
1e2 6116346a    0\n', "Method        Method started:  line# 1 at location 'P1-A1'>  1
0:59:22 08/13/21\n", ' 443 41e2 6116346a    0\n', 'Method        inj# 1
10:59:22 08/13/21\n', '  70 41e0 6116346b    0\n', 'CP Macro     Analyzing rawdata 2
10812_Pac.D                      10:59:23 08/13/21\n', ' 875 41e2 6116346b    0\n', 'Meth
od        Saving Method DA.M                          10:59:23 08/13/21\n', '  70
41e0 6116346c    0\n', 'CP Macro     Report could not be created.
10:59:24 08/13/21\n', ' 3bf 41e2 6116346c    0\n', 'Method        Method completed
10:59:24 08/13/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 09:54:54 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 002-blank', 'Runtype': 0, 'Start date': '09:54:54 08/12/21', 'Runtime':
163, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':       Time  Sample - 002-bla
nk
0    0.000              63.17
1    0.005              63.85
2    0.010              64.58
3    0.015              65.36
4    0.020              65.86
..     ...                 ...
```

```
415   2.075                  75.47
416   2.080                  75.53
417   2.085                  75.53
418   2.090                  75.58
419   2.095                  75.66

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d3ce 474c\n', "Method        Method st
arted:  line# 2 at location 'P1-A1'>  09:54:54 08/12/21\n", ' 443 41e2 6114d3ce 474c
\n', 'Method        inj# 2                                    09:54:54 08/12/21
\n', ' 3bf 41e2 6114d3cf    0\n', 'Method        Instrument running a blank run
09:54:55 08/12/21\n', '  70 1daf 6114d3d1    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Prepare          09:54:57 08/12/21\n', '  70 1daf 6114d3d6    0\n', 'G1315
C     1 G1315C:DE63055907 - Detector: Idle            09:55:02 08/12/21\n', '  70 1
daf 6114d3ef    0\n', 'G1315C     1 G1315C:DE63055907 - Run                       0
9:55:27 08/12/21\n', '  70 1dac 6114d46d    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                    09:57:33 08/12/21\n', '  70 1dae 6114d46d    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                    09:57:33 08/12/21\n', '  70 1
daa 6114d46e    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun                    0
9:57:34 08/12/21\n', ' 3bf 41e2 6114d46f    0\n', 'Method        Instrument run compl
eted                       09:57:35 08/12/21\n', ' 875 41e2 6114d46f    0\n', 'Metho
d       Saving Method SAA_411_Gem.M                    09:57:35 08/12/21\n', ' 875 4
1e2 6114d470    0\n', 'Method        Saving Method RUN.M                          0
9:57:36 08/12/21\n', '  70 41e0 6114d470    0\n', 'CP Macro       Analyzing rawdata 21
0812_Gem--002.D            09:57:36 08/12/21\n', ' 875 41e2 6114d470    0\n', 'Metho
d       Saving Method DA.M                             09:57:36 08/12/21\n', '  70 4
1e0 6114d471    0\n', 'CP Macro       Report could not be created.               0
9:57:37 08/12/21\n', ' 3bf 41e2 6114d471    0\n', 'Method        Method completed
09:57:37 08/12/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 09:57:37 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 003-blank', 'Runtype': 0, 'Start date': '09:57:37 08/12/21', 'Runtime':
162, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':        Time  Sample - 003-bla
nk
0    0.000                  65.31
1    0.005                  65.86
2    0.010                  66.82
3    0.015                  67.32
4    0.020                  68.36
..     ...                    ...
415   2.075                  76.39
416   2.080                  76.26
417   2.085                  76.99
418   2.090                  76.99
419   2.095                  76.57

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d471 de9c\n', "Method        Method st
arted:  line# 3 at location 'P1-A1'>  09:57:37 08/12/21\n", ' 443 41e2 6114d471 de9c
\n', 'Method        inj# 3                                    09:57:37 08/12/21
\n', ' 3bf 41e2 6114d471    0\n', 'Method        Instrument running a blank run
09:57:37 08/12/21\n', '  70 1daf 6114d474    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Prepare          09:57:40 08/12/21\n', '  70 1daf 6114d478    0\n', 'G1315
C     1 G1315C:DE63055907 - Detector: Idle            09:57:44 08/12/21\n', '  70 1
daf 6114d491    0\n', 'G1315C     1 G1315C:DE63055907 - Run                       0
9:58:09 08/12/21\n', '  70 1dac 6114d50f    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                    10:00:15 08/12/21\n', '  70 1dae 6114d50f    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                    10:00:15 08/12/21\n', ' 3bf 4
1e2 6114d511    0\n', 'Method        Instrument run completed                     1
```

0:00:17 08/12/21\n', ' 875 41e2 6114d512   0\n', 'Method   Saving Method SAA_41
1_Gem.M   10:00:18 08/12/21\n', ' 875 41e2 6114d512   0\n', 'Metho
d   Saving Method RUN.M   10:00:18 08/12/21\n', ' 70 4
1e0 6114d512   0\n', 'CP Macro   Analyzing rawdata 210812_Gem--003.D   1
0:00:18 08/12/21\n', ' 875 41e2 6114d512   0\n', 'Method   Saving Method DA.M
10:00:18 08/12/21\n', ' 70 41e0 6114d513   0\n', 'CP Macro   Report could not be
created.   10:00:19 08/12/21\n', ' 3bf 41e2 6114d513   0\n', 'Metho
d   Method completed   10:00:19 08/12/21\n']}, 'Devi
ce Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:00:19 08/12/2
1': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample': 'Sample - 004-blank', 'Ru
ntype': 0, 'Start date': '10:00:19 08/12/21', 'Runtime': 162, 'Idle time': 'NA', 'Nu
mber of Trials': 1, 'Curve':   Time Sample - 004-blank
0   0.000   64.03
1   0.005   65.44
2   0.010   66.22
3   0.015   66.71
4   0.020   67.44
..   ..
415 2.075   76.26
416 2.080   76.50
417 2.085   76.31
418 2.090   76.50
419 2.095   76.62

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d513 de9c\n', "Method   Method st
arted: line# 4 at location 'P1-A1'> 10:00:19 08/12/21\n", ' 443 41e2 6114d513 de9c
\n', 'Method   inj# 4   10:00:19 08/12/21
\n', ' 3bf 41e2 6114d513   0\n', 'Method   Instrument running a blank run
10:00:19 08/12/21\n', ' 70 1daf 6114d516   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   10:00:22 08/12/21\n', ' 70 1daf 6114d51b   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   10:00:27 08/12/21\n', ' 70 1
daf 6114d533   0\n', 'G1315C   1 G1315C:DE63055907 - Run   1
0:00:51 08/12/21\n', ' 70 1dac 6114d5b2   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   10:02:58 08/12/21\n', ' 70 1dae 6114d5b2   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   10:02:58 08/12/21\n', ' 3bf 4
1e2 6114d5b3   0\n', 'Method   Instrument run completed   1
0:02:59 08/12/21\n', ' 875 41e2 6114d5b4   0\n', 'Method   Saving Method SAA_41
1_Gem.M   10:03:00 08/12/21\n', ' 875 41e2 6114d5b4   0\n', 'Metho
d   Saving Method RUN.M   10:03:00 08/12/21\n', ' 70 4
1e0 6114d5b4   0\n', 'CP Macro   Analyzing rawdata 210812_Gem--004.D   1
0:03:00 08/12/21\n', ' 875 41e2 6114d5b4   0\n', 'Method   Saving Method DA.M
10:03:00 08/12/21\n', ' 70 41e0 6114d5b5   0\n', 'CP Macro   Report could not be
created.   10:03:01 08/12/21\n', ' 3bf 41e2 6114d5b5   0\n', 'Metho
d   Method completed   10:03:01 08/12/21\n']}, 'Devi
ce Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:03:01 08/12/2
1': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample': 'Sample - 210812_Gem--00
5', 'Runtype': 1, 'Start date': '10:03:01 08/12/21', 'Runtime': 162, 'Idle time': 'N
A', 'Number of Trials': 1, 'Curve':   Time Sample - 210812_Gem--005
0   0.000   65.00
1   0.005   65.98
2   0.010   66.53
3   0.015   67.44
4   0.020   67.99
..   ..
415 2.075   77.66
416 2.080   77.54

```
417   2.085                          77.54
418   2.090                          77.72
419   2.095                          77.72

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d5b5 d3a4\n', "Method       Method st
arted:  line# 5 at location 'P1-A2'>  10:03:01 08/12/21\n", ' 443 41e2 6114d5b5 d3a4
\n', 'Method      inj# 1                                          10:03:01 08/12/21
\n', ' 3bf 41e2 6114d5b5    0\n', 'Method       Instrument running sample from locat
ion P1-A2  10:03:01 08/12/21\n', '  70 1daf 6114d5b8    0\n', 'G1315C     1 G1315C:D
E63055907 - Detector: Prepare          10:03:04 08/12/21\n', '  70 1daf 6114d5bd
0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle            10:03:09 08/12/21
\n', '  70 1daf 6114d5d5    0\n', 'G1315C     1 G1315C:DE63055907 - Run
10:03:33 08/12/21\n', '  70 1dac 6114d654    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                   10:05:40 08/12/21\n', '  70 1dae 6114d654    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                   10:05:40 08/12/21\n', ' 3bf 4
1e2 6114d655    0\n', 'Method       Instrument run completed                      1
0:05:41 08/12/21\n', ' 875 41e2 6114d656    0\n', 'Method       Saving Method SAA_41
1_Gem.M                   10:05:42 08/12/21\n', ' 875 41e2 6114d656    0\n', 'Metho
d       Saving Method RUN.M                                  10:05:42 08/12/21\n', '  70 4
1e0 6114d656    0\n', 'CP Macro     Analyzing rawdata 210812_Gem--005.D            1
0:05:42 08/12/21\n', ' 875 41e2 6114d657    0\n', 'Method       Saving Method DA.M
10:05:43 08/12/21\n', '  70 41e0 6114d657    0\n', 'CP Macro     Report could not be
created.                  10:05:43 08/12/21\n', ' 3bf 41e2 6114d657    0\n', 'Metho
d       Method completed                               10:05:43 08/12/21\n']}, 'Devi
ce Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:05:43 08/12/2
1': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample': 'Sample - 006-blank', 'Ru
ntype': 0, 'Start date': '10:05:43 08/12/21', 'Runtime': 162, 'Idle time': 'NA', 'Nu
mber of Trials': 1, 'Curve':       Time  Sample - 006-blank
0    0.000          65.25
1    0.005          66.22
2    0.010          67.32
3    0.015          67.92
4    0.020          68.41
..    ...            ...
415  2.075          76.57
416  2.080          76.68
417  2.085          76.44
418  2.090          76.50
419  2.095          76.93

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d657 de9c\n', "Method       Method st
arted:  line# 6 at location 'P1-A1'>  10:05:43 08/12/21\n", ' 443 41e2 6114d657 de9c
\n', 'Method      inj# 1                                          10:05:43 08/12/21
\n', ' 3bf 41e2 6114d657    0\n', 'Method       Instrument running a blank run
10:05:43 08/12/21\n', '  70 1daf 6114d65a    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Prepare         10:05:46 08/12/21\n', '  70 1daf 6114d65f    0\n', 'G1315
C     1 G1315C:DE63055907 - Detector: Idle            10:05:51 08/12/21\n', '  70 1
daf 6114d677    0\n', 'G1315C     1 G1315C:DE63055907 - Run                        1
0:06:15 08/12/21\n', '  70 1dac 6114d6f5    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                   10:08:21 08/12/21\n', '  70 1dae 6114d6f6    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                   10:08:22 08/12/21\n', '  70 1
daa 6114d6f6    0\n', 'G1316B     1 G1316B:DE60555985 - Postrun                    1
0:08:22 08/12/21\n', ' 3bf 41e2 6114d6f7    0\n', 'Method       Instrument run compl
eted                   10:08:23 08/12/21\n', ' 875 41e2 6114d6f8    0\n', 'Metho
d       Saving Method SAA_411_Gem.M                   10:08:24 08/12/21\n', ' 875 4
1e2 6114d6f8    0\n', 'Method       Saving Method RUN.M                            1
```

```
0:08:24 08/12/21\n', '   70 41e0 6114d6f8    0\n', 'CP Macro     Analyzing rawdata 21
0812_Gem--006.D            10:08:24 08/12/21\n', ' 875 41e2 6114d6f9    0\n', 'Metho
d       Saving Method DA.M                              10:08:25 08/12/21\n', '  70 4
1e0 6114d6f9    0\n', 'CP Macro     Report could not be created.                    1
0:08:25 08/12/21\n', ' 3bf 41e2 6114d6f9    0\n', 'Method       Method completed
10:08:25 08/12/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 10:08:25 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 210812_Gem--007', 'Runtype': 1, 'Start date': '10:08:25 08/12/21', 'Run
time': 162, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':        Time  Sample -
210812_Gem--007
0    0.000                  57.95
1    0.005                  58.87
2    0.010                  59.29
3    0.015                  59.96
4    0.020                  60.51
..    ...                    ...
415  2.075                  67.37
416  2.080                  67.37
417  2.085                  67.92
418  2.090                  67.92
419  2.095                  68.05

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d6f9 de9c\n', "Method       Method st
arted:  line# 7 at location 'P1-A3'>  10:08:25 08/12/21\n", ' 443 41e2 6114d6f9 de9c
\n', 'Method       inj# 1                                  10:08:25 08/12/21
\n', ' 3bf 41e2 6114d6fa    0\n', 'Method       Instrument running sample from locat
ion P1-A3  10:08:26 08/12/21\n', '  70 1daf 6114d6fc    0\n', 'G1315C     1 G1315C:D
E63055907 - Detector: Prepare        10:08:28 08/12/21\n', '  70 1daf 6114d701
0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle           10:08:33 08/12/21
\n', '  70 1dac 6114d719    0\n', 'G7110B     1 G7110B:DEAEH01167 - Run
10:08:57 08/12/21\n', '  70 1dac 6114d798    0\n', 'G7110B     1 G7110B:DEAEH01167 -
Postrun                    10:11:04 08/12/21\n', '  70 1dae 6114d798    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                    10:11:04 08/12/21\n', ' 3bf 4
1e2 6114d799    0\n', 'Method       Instrument run completed                       1
0:11:05 08/12/21\n', ' 875 41e2 6114d79a    0\n', 'Method       Saving Method SAA_41
1_Gem.M                    10:11:06 08/12/21\n', ' 875 41e2 6114d79a    0\n', 'Metho
d       Saving Method RUN.M                             10:11:06 08/12/21\n', '  70 4
1e0 6114d79a    0\n', 'CP Macro     Analyzing rawdata 210812_Gem--007.D           1
0:11:06 08/12/21\n', ' 875 41e2 6114d79a    0\n', 'Method       Saving Method DA.M
10:11:06 08/12/21\n', '  70 41e0 6114d79b    0\n', 'CP Macro     Report could not be
created.                    10:11:07 08/12/21\n', ' 3bf 41e2 6114d79b    0\n', 'Metho
d       Method completed                              10:11:07 08/12/21\n']}, 'Devi
ce Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:11:07 08/12/2
1': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample': 'Sample - 008-blank', 'Ru
ntype': 0, 'Start date': '10:11:07 08/12/21', 'Runtime': 162, 'Idle time': 'NA', 'Nu
mber of Trials': 1, 'Curve':        Time  Sample - 008-blank
0    0.000              56.55
1    0.005              57.41
2    0.010              58.06
3    0.015              58.68
4    0.020              59.47
..    ...                ...
415  2.075              67.44
416  2.080              67.32
417  2.085              67.19
418  2.090              67.13
```

```
419   2.095                    67.68

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d79b d3a4\n', "Method        Method st
arted: line# 8 at location 'P1-A1'>  10:11:07 08/12/21\n", ' 443 41e2 6114d79b d3a4
\n', 'Method        inj# 1                                          10:11:07 08/12/21
\n', ' 3bf 41e2 6114d79b    0\n', 'Method        Instrument running a blank run
10:11:07 08/12/21\n', '  70 1daf 6114d79e    0\n', 'G1315C       1 G1315C:DE63055907 -
Detector: Prepare           10:11:10 08/12/21\n', '  70 1daf 6114d7a3    0\n', 'G1315
C     1 G1315C:DE63055907 - Detector: Idle              10:11:15 08/12/21\n', '  70 1
dac 6114d7bb    0\n', 'G7110B      1 G7110B:DEAEH01167 - Run                         1
0:11:39 08/12/21\n', '  70 1dac 6114d83a    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Postrun                     10:13:46 08/12/21\n', '  70 1dae 6114d83a    0\n', 'G7116
B     2 G7116B:DEBAZ03738 - Postrun                     10:13:46 08/12/21\n', ' 3bf 4
1e2 6114d83b    0\n', 'Method        Instrument run completed                       1
0:13:47 08/12/21\n', ' 875 41e2 6114d83c    0\n', 'Method        Saving Method SAA_41
1_Gem.M                     10:13:48 08/12/21\n', ' 875 41e2 6114d83c    0\n', 'Metho
d       Saving Method RUN.M                             10:13:48 08/12/21\n', '  70 4
1e0 6114d83c    0\n', 'CP Macro      Analyzing rawdata 210812_Gem--008.D           1
0:13:48 08/12/21\n', ' 875 41e2 6114d83c    0\n', 'Method        Saving Method DA.M
10:13:48 08/12/21\n', '  70 41e0 6114d83d    0\n', 'CP Macro      Report could not be
created.                    10:13:49 08/12/21\n', ' 3bf 41e2 6114d83d    0\n', 'Metho
d       Method completed                                10:13:49 08/12/21\n']}, 'Devi
ce Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:13:49 08/12/2
1': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample': 'Sample - 210812_Gem--00
9', 'Runtype': 1, 'Start date': '10:13:49 08/12/21', 'Runtime': 162, 'Idle time': 'N
A', 'Number of Trials': 1, 'Curve':        Time  Sample - 210812_Gem--009
0    0.000                    73.39
1    0.005                    64.16
2    0.010                    64.71
3    0.015                    65.44
4    0.020                    65.98
..    ...                       ...
415  2.075                    74.80
416  2.080                    74.80
417  2.085                    74.43
418  2.090                    74.74
419  2.095                    74.85

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d83d 474c\n', "Method        Method st
arted: line# 9 at location 'P1-A4'>  10:13:49 08/12/21\n", ' 443 41e2 6114d83d 474c
\n', 'Method        inj# 1                                          10:13:49 08/12/21
\n', ' 3bf 41e2 6114d83d    0\n', 'Method        Instrument running sample from locat
ion P1-A4  10:13:49 08/12/21\n', '  70 1daf 6114d840    0\n', 'G1315C       1 G1315C:D
E63055907 - Detector: Prepare           10:13:52 08/12/21\n', '  70 1daf 6114d845
0\n', 'G1315C      1 G1315C:DE63055907 - Detector: Idle              10:13:57 08/12/21
\n', '  70 1daf 6114d85d    0\n', 'G1315C      1 G1315C:DE63055907 - Run
10:14:21 08/12/21\n', '  70 1dac 6114d8dc    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Postrun                     10:16:28 08/12/21\n', ' 3bf 41e2 6114d8dd    0\n', 'Metho
d       Instrument run completed                        10:16:29 08/12/21\n', ' 875 4
1e2 6114d8de    0\n', 'Method        Saving Method SAA_411_Gem.M                     1
0:16:30 08/12/21\n', ' 875 41e2 6114d8de    0\n', 'Method        Saving Method RUN.M
10:16:30 08/12/21\n', '  70 41e0 6114d8de    0\n', 'CP Macro      Analyzing rawdata 2
10812_Gem--009.D            10:16:30 08/12/21\n', ' 875 41e2 6114d8df    0\n', 'Meth
od       Saving Method DA.M                             10:16:31 08/12/21\n', '  70
41e0 6114d8df    0\n', 'CP Macro      Report could not be created.
10:16:31 08/12/21\n', ' 3bf 41e2 6114d8df    0\n', 'Method        Method completed
```

10:16:31 08/12/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 10:16:31 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 210812_Gem--010', 'Runtype': 1, 'Start date': '10:16:31 08/12/21', 'Run
time': 162, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample -
210812_Gem--010
0   0.000   62.52
1   0.005   63.48
2   0.010   64.45
3   0.015   65.25
4   0.020   65.73
..   ..
415 2.075   74.67
416 2.080   74.62
417 2.085   74.74
418 2.090   74.85
419 2.095   74.74

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d8df de9c\n', "Method   Method st
arted: line# 10 at location 'P1-A5> 10:16:31 08/12/21\n", ' 443 41e2 6114d8df de9c
\n', "Method   ' inj# 1   10:16:31 08/12/21
\n", ' 3bf 41e2 6114d8df   0\n', 'Method   Instrument running sample from locat
ion P1-A5 10:16:31 08/12/21\n', ' 70 1daf 6114d8e3   0\n', 'G1315C   1 G1315C:D
E63055907 - Detector: Prepare   10:16:35 08/12/21\n', ' 70 1daf 6114d8e7
0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   10:16:39 08/12/21
\n', ' 70 1dac 6114d8ff   0\n', 'G7110B   1 G7110B:DEAEH01167 - Run
10:17:03 08/12/21\n', ' 70 1dac 6114d97e   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   10:19:10 08/12/21\n', ' 3bf 41e2 6114d97f   0\n', 'Metho
d   Instrument run completed   10:19:11 08/12/21\n', ' 875 4
1e2 6114d980   0\n', 'Method   Saving Method SAA_411_Gem.M   1
0:19:12 08/12/21\n', ' 875 41e2 6114d980   0\n', 'Method   Saving Method RUN.M
10:19:12 08/12/21\n', ' 70 41e0 6114d980   0\n', 'CP Macro   Analyzing rawdata 2
10812_Gem--010.D   10:19:12 08/12/21\n', ' 875 41e2 6114d981   0\n', 'Meth
od   Saving Method DA.M   10:19:13 08/12/21\n', ' 70
41e0 6114d981   0\n', 'CP Macro   Report could not be created.
10:19:13 08/12/21\n', ' 3bf 41e2 6114d981   0\n', 'Method   Method completed
10:19:13 08/12/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 10:19:13 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 210812_Gem--011', 'Runtype': 1, 'Start date': '10:19:13 08/12/21', 'Run
time': 162, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample -
210812_Gem--011
0   0.000   57.28
1   0.005   58.68
2   0.010   59.70
3   0.015   60.51
4   0.020   61.66
..   ..
415 2.075   74.43
416 2.080   74.12
417 2.085   74.12
418 2.090   74.56
419 2.095   74.43

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d981 474c\n', "Method   Method st
arted: line# 11 at location 'P1-A6> 10:19:13 08/12/21\n", ' 443 41e2 6114d981 474c
\n', "Method   ' inj# 1   10:19:13 08/12/21
\n", ' 3bf 41e2 6114d982   0\n', 'Method   Instrument running sample from locat

ion P1-A6 10:19:14 08/12/21\n', ' 70 1daf 6114d985   0\n', 'G1315C   1 G1315C:D
E63055907 - Detector: Prepare   10:19:17 08/12/21\n', ' 70 1daf 6114d989
0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   10:19:21 08/12/21
\n', ' 70 1daf 6114d9a2   0\n', 'G1315C   1 G1315C:DE63055907 - Run
10:19:46 08/12/21\n', ' 70 1dac 6114da20   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   10:21:52 08/12/21\n', ' 70 1dae 6114da20   0\n', 'G7116
B   2 G7116B:DEBAZ03738 - Postrun   10:21:52 08/12/21\n', ' 70 1
daa 6114da21   0\n', 'G1316B   1 G1316B:DE60555985 - Postrun   1
0:21:53 08/12/21\n', ' 3bf 41e2 6114da22   0\n', 'Method   Instrument run compl
eted   10:21:54 08/12/21\n', ' 875 41e2 6114da22   0\n', 'Metho
d   Saving Method SAA_411_Gem.M   10:21:54 08/12/21\n', ' 875 4
1e2 6114da23   0\n', 'Method   Saving Method RUN.M   1
0:21:55 08/12/21\n', ' 70 41e0 6114da23   0\n', 'CP Macro   Analyzing rawdata 21
0812_Gem--011.D   10:21:55 08/12/21\n', ' 875 41e2 6114da23   0\n', 'Metho
d   Saving Method DA.M   10:21:55 08/12/21\n', ' 70 4
1e0 6114da23   0\n', 'CP Macro   Report could not be created.   1
0:21:55 08/12/21\n', ' 3bf 41e2 6114da23   0\n', 'Method   Method completed
10:21:55 08/12/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 10:21:55 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 012-blank', 'Runtype': 0, 'Start date': '10:21:55 08/12/21', 'Runtime':
162, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time Sample - 012-bla
nk
0   0.000   55.63
1   0.005   57.15
2   0.010   57.88
3   0.015   58.68
4   0.020   59.29
..   ..
415 2.075   67.63
416 2.080   67.50
417 2.085   67.13
418 2.090   67.01
419 2.095   67.19

[420 rows x 2 columns], 'Log': [' 443 41e2 6114da23 de9c\n', "Method   Method st
arted: line# 12 at location 'P1-A1> 10:21:55 08/12/21\n", ' 443 41e2 6114da23 de9c
\n', "Method   ' inj# 1   10:21:55 08/12/21
\n", ' 3bf 41e2 6114da24   0\n', 'Method   Instrument running a blank run
10:21:56 08/12/21\n', ' 70 1daf 6114da27   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   10:21:59 08/12/21\n', ' 70 1daf 6114da2b   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   10:22:03 08/12/21\n', ' 70 1
daf 6114da44   0\n', 'G1315C   1 G1315C:DE63055907 - Run   1
0:22:28 08/12/21\n', ' 70 1dac 6114dac2   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   10:24:34 08/12/21\n', ' 70 1daa 6114dac3   0\n', 'G1316
B   1 G1316B:DE60555985 - Postrun   10:24:35 08/12/21\n', ' 3bf 4
1e2 6114dac3   0\n', 'Method   Instrument run completed   1
0:24:35 08/12/21\n', ' 875 41e2 6114dac4   0\n', 'Method   Saving Method SAA_41
1_Gem.M   10:24:36 08/12/21\n', ' 875 41e2 6114dac5   0\n', 'Metho
d   Saving Method RUN.M   10:24:37 08/12/21\n', ' 70 4
1e0 6114dac5   0\n', 'CP Macro   Analyzing rawdata 210812_Gem--012.D   1
0:24:37 08/12/21\n', ' 875 41e2 6114dac5   0\n', 'Method   Saving Method DA.M
10:24:37 08/12/21\n', ' 70 41e0 6114dac5   0\n', 'CP Macro   Report could not be
created.   10:24:37 08/12/21\n', ' 3bf 41e2 6114dac5   0\n', 'Metho
d   Method completed   10:24:37 08/12/21\n']}, 'Devi
ce Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:24:37 08/12/2
1': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample': 'Sample - 210812_Gem--01

3', 'Runtype': 1, 'Start date': '10:24:37 08/12/21', 'Runtime': 162, 'Idle time': 'N
A', 'Number of Trials': 1, 'Curve':   Time   Sample - 210812_Gem--013
0   0.000   54.85
1   0.005   57.33
2   0.010   58.06
3   0.015   58.56
4   0.020   59.34
..   ..
415 2.075   67.50
416 2.080   67.37
417 2.085   67.32
418 2.090   67.13
419 2.095   67.68

[420 rows x 2 columns], 'Log': [' 443 41e2 6114dac5 de9c\n', "Method   Method st
arted: line# 13 at location 'P1-A3> 10:24:37 08/12/21\n", ' 443 41e2 6114dac5 de9c
\n', "Method   ' inj# 1   10:24:37 08/12/21
\n", ' 3bf 41e2 6114dac6   0\n', 'Method   Instrument running sample from locat
ion P1-A3 10:24:38 08/12/21\n', ' 70 1daf 6114dac9   0\n', 'G1315C   1 G1315C:D
E63055907 - Detector: Prepare   10:24:41 08/12/21\n', ' 70 1daf 6114dacd
0\n', 'G1315C   1 G1315C:DE63055907 - Detector: Idle   10:24:45 08/12/21
\n', ' 70 1dac 6114dae5   0\n', 'G7110B   1 G7110B:DEAEH01167 - Run
10:25:09 08/12/21\n', ' 70 1dac 6114db64   0\n', 'G7110B   1 G7110B:DEAEH01167 -
Postrun   10:27:16 08/12/21\n', ' 3bf 41e2 6114db65   0\n', 'Metho
d   Instrument run completed   10:27:17 08/12/21\n', ' 875 4
1e2 6114db66   0\n', 'Method   Saving Method SAA_411_Gem.M   1
0:27:18 08/12/21\n', ' 875 41e2 6114db66   0\n', 'Method   Saving Method RUN.M
10:27:18 08/12/21\n', ' 70 41e0 6114db66   0\n', 'CP Macro   Analyzing rawdata 2
10812_Gem--013.D   10:27:18 08/12/21\n', ' 875 41e2 6114db67   0\n', 'Meth
od   Saving Method DA.M   10:27:19 08/12/21\n', ' 70
41e0 6114db67   0\n', 'CP Macro   Report could not be created.
10:27:19 08/12/21\n', ' 3bf 41e2 6114db67   0\n', 'Method   Method completed
10:27:19 08/12/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 10:27:19 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 014-blank', 'Runtype': 0, 'Start date': '10:27:19 08/12/21', 'Runtime':
162, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':   Time   Sample - 014-bla
nk
0   0.000   62.81
1   0.005   64.03
2   0.010   64.82
3   0.015   65.62
4   0.020   66.09
..   ..
415 2.075   74.85
416 2.080   74.62
417 2.085   74.56
418 2.090   74.56
419 2.095   67.08

[420 rows x 2 columns], 'Log': [' 443 41e2 6114db67 de9c\n', "Method   Method st
arted: line# 14 at location 'P1-A1> 10:27:19 08/12/21\n", ' 443 41e2 6114db67 de9c
\n', "Method   ' inj# 1   10:27:19 08/12/21
\n", ' 3bf 41e2 6114db68   0\n', 'Method   Instrument running a blank run
10:27:20 08/12/21\n', ' 70 1daf 6114db6b   0\n', 'G1315C   1 G1315C:DE63055907 -
Detector: Prepare   10:27:23 08/12/21\n', ' 70 1daf 6114db6f   0\n', 'G1315
C   1 G1315C:DE63055907 - Detector: Idle   10:27:27 08/12/21\n', ' 70 1

```
dac 6114db88    0\n', 'G7110B      1 G7110B:DEAEH01167 - Run                           1
0:27:52 08/12/21\n', '  70 1dac 6114dc06    0\n', 'G7110B      1 G7110B:DEAEH01167 -
Postrun                  10:29:58 08/12/21\n', '  70 1dae 6114dc06    0\n', 'G7116
B      2 G7116B:DEBAZ03738 - Postrun                         10:29:58 08/12/21\n', '  70 1
daa 6114dc07    0\n', 'G1316B      1 G1316B:DE60555985 - Postrun                      1
0:29:59 08/12/21\n', ' 3bf 41e2 6114dc07    0\n', 'Method       Instrument run compl
eted                     10:29:59 08/12/21\n', ' 875 41e2 6114dc08    0\n', 'Metho
d       Saving Method SAA_411_Gem.M                        10:30:00 08/12/21\n', ' 875 4
1e2 6114dc08    0\n', 'Method       Saving Method RUN.M                           1
0:30:00 08/12/21\n', '  70 41e0 6114dc08    0\n', 'CP Macro      Analyzing rawdata 21
0812_Gem--014.D            10:30:00 08/12/21\n', ' 875 41e2 6114dc09    0\n', 'Metho
d       Saving Method DA.M                                 10:30:01 08/12/21\n', '  70 4
1e0 6114dc09    0\n', 'CP Macro     Report could not be created.                   1
0:30:01 08/12/21\n', ' 3bf 41e2 6114dc09    0\n', 'Method       Method completed
10:30:01 08/12/21\n']}, 'Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 |
Start time: 09:49:16 08/12/21': {'Method': '210812_Gem 2021-08-12 09-49-10', 'Sample
': 'Sample - 001-blank', 'Runtype': 2, 'Start date': '09:49:16 08/12/21', 'Runtime':
338, 'Idle time': 'NA', 'Number of Trials': 1, 'Curve':        Time  Sample - 001-bla
nk
0    0.000          60.20
1    0.005          60.51
2    0.010          61.97
3    0.015          62.75
4    0.020          63.12
..    ...              ...
415  2.075          73.65
416  2.080          73.83
417  2.085          73.76
418  2.090          73.70
419  2.095          73.39

[420 rows x 2 columns], 'Log': [' 443 41e2 6114d27c   17\n', "Method       Method st
arted:  line# 1 at location 'P1-A1'>  09:49:16 08/12/21\n", ' 443 41e2 6114d27c   17
\n', 'Method       inj# 1                              09:49:16 08/12/21
\n', '  70 1daf 6114d27d    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Idle
09:49:17 08/12/21\n', ' 3bf 41e2 6114d27d    0\n', 'Method       Instrument running
a blank run              09:49:17 08/12/21\n', '  70 1dac 6114d27d    0\n', 'G711
0B     1 G7110B:DEAEH01167 - Pump on                      09:49:17 08/12/21\n', '  70
1daf 6114d32f    0\n', 'G1315C     1 G1315C:DE63055907 - Detector: Prepare
09:52:15 08/12/21\n', '  70 1daf 6114d334    0\n', 'G1315C     1 G1315C:DE63055907 -
Detector: Idle           09:52:20 08/12/21\n', '  70 1dac 6114d34c    0\n', 'G7110
B     1 G7110B:DEAEH01167 - Run                      09:52:44 08/12/21\n', '  70 1
dac 6114d3ca    0\n', 'G7110B     1 G7110B:DEAEH01167 - Postrun                      0
9:54:50 08/12/21\n', '  70 1dae 6114d3cb    0\n', 'G7116B     2 7116B:DEBAZ03738 -
Postrun                 09:54:51 08/12/21\n', ' 3bf 41e2 6114d3cc    0\n', 'Metho
d       Instrument run completed               09:54:52 08/12/21\n', ' 875 4
1e2 6114d3cd    0\n', 'Method       Saving Method SAA_411_Gem.M                      0
9:54:53 08/12/21\n', ' 875 41e2 6114d3cd    0\n', 'Method       Saving Method RUN.M
09:54:53 08/12/21\n', '  70 41e0 6114d3cd    0\n', 'CP Macro     Analyzing rawdata 2
10812_Gem.D             09:54:53 08/12/21\n', ' 875 41e2 6114d3cd    0\n', 'Meth
od       Saving Method DA.M                        09:54:53 08/12/21\n', '  70
41e0 6114d3ce    0\n', 'CP Macro     Report could not be created.
09:54:54 08/12/21\n', ' 3bf 41e2 6114d3ce    0\n', 'Method       Method completed
09:54:54 08/12/21\n']}}
```

```
In [ ]:  dev.print()
```

```
DeviceEngine
  name: Pressure Curve Analysis
  author: Sandeep H.
  path: None
  date: 2024-08-07 17:12:35.732276
  analyses: 0
  settings: 0
```

Add analyses objects that were found using find_analyses() to current device records.

```
In [ ]: dev.add_analyses(analyses)
```

```
In [ ]: dev.print()
```

```
DeviceEngine
  name: Pressure Curve Analysis
  author: Sandeep H.
  path: None
  date: 2024-08-07 17:12:35.732276
  analyses: 109
  settings: 0


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:11:06 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:17:00 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:22:54 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:28:48 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:34:41 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:40:35 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
```

```
      name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:46:29 01/31/24
        replicate: None
        blank: None
        data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
      name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:52:24 01/31/24
        replicate: None
        blank: None
        data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
      name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:58:18 01/31/24
        replicate: None
        blank: None
        data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
      name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 16:04:10 01/31/24
        replicate: None
        blank: None
        data:
```

```
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:05:08 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:50 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:53 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:56 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:00 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:03 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:06 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 799)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:09 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:12 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:15 09/13/21
  replicate: None
```

```
     blank: None
     data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:18 09/13/21
     replicate: None
     blank: None
     data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:20 09/13/21
     replicate: None
     blank: None
     data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
   name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:23 09/13/21
     replicate: None
     blank: None
     data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
```

```
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:26 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:30 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:34 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
```

```
                Log : (size 38)


                Analysis
                  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
                3:47 09/13/21
                  replicate: None
                  blank: None
                  data:
                Method : (size 30)
                Sample : (size 18)
                Runtype : (size 1)
                Start date : (size 17)
                Runtime : (size 1)
                Idle time : (size 2)
                Number of Trials : (size 1)
                Curve : (size 800)
                Log : (size 42)


                Analysis
                  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
                0:32:18 08/27/21
                  replicate: None
                  blank: None
                  data:
                Method : (size 33)
                Sample : (size 18)
                Runtype : (size 1)
                Start date : (size 17)
                Runtime : (size 3)
                Idle time : (size 2)
                Number of Trials : (size 1)
                Curve : (size 1000)
                Log : (size 28)


                Analysis
                  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
                0:37:55 08/27/21
                  replicate: None
                  blank: None
                  data:
                Method : (size 33)
                Sample : (size 18)
                Runtype : (size 1)
                Start date : (size 17)
                Runtime : (size 3)
                Idle time : (size 2)
                Number of Trials : (size 1)
                Curve : (size 1000)
                Log : (size 26)


                Analysis
                  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
```

```
0:43:32 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:49:08 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:54:44 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:00:21 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
```

```
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:05:57 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:11:34 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:17:10 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
```

```
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:22:47 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:28:24 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:34:00 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)
```

```
Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:39:38 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 999)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:45:15 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:50:52 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:56:28 08/27/21
  replicate: None
  blank: None
```

```
      data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
   name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
2:02:04 08/27/21
   replicate: None
   blank: None
   data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
   name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:26:28 08/27/21
   replicate: None
   blank: None
   data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 32)


Analysis
   name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:21 08/20/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:23 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:25 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:27 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:29 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:31 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:33 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:35 08/20/21
```

```
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:37 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:39 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:41 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
```

```
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:43 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:45 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:47 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:49 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:51 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:19 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 44)


Analysis
```

```
    name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:08 08/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
    name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:10 08/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
    name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:12 08/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
    name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:14 08/13/21
    replicate: None
    blank: None
    data:
```

```
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:15 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:17 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:19 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:21 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:23 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:25 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)
```

```
Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:30 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:06 08/13/21
  replicate: None
```

```
      blank: None
      data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 44)


Analysis
   name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:15:02 08/13/21
      replicate: None
      blank: None
      data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
   name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:17:44 08/13/21
      replicate: None
      blank: None
      data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
   name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:20:27 08/13/21
      replicate: None
      blank: None
      data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
```

```
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:23:09 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:10:53 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:24 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
```

```
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:29 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
```

```
9:31 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:33 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:35 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:36 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
```

```
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:38 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:40 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:42 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
```

```
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:43 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:45 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 48)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:22 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 56)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
4:54 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
7:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
0:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
3:01 08/12/21
  replicate: None
  blank: None
```

```
     data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
5:43 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
8:25 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
1:07 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
3:49 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
6:31 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
9:13 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
1:55 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
4:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
7:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:4
9:16 08/12/21
```

```
      replicate: None
      blank: None
      data:
    Method : (size 30)
    Sample : (size 18)
    Runtype : (size 1)
    Start date : (size 17)
    Runtime : (size 3)
    Idle time : (size 2)
    Number of Trials : (size 1)
    Curve : (size 420)
    Log : (size 34)
```

In [ ]:
```python
for ana in dev._analyses:
    print("\n")
    ana.validate()
    print("Analysis Object : \n")
    print(f"Analysis : {ana.print()}")
    print("Data of Analysis : \n")
    print(ana.data)
    print("\n")
```

Add analyses in the form of individual DeviceAnalysis objects or a list of such objects.

In [ ]:
```python
dev.print()
```

In [ ]:
```python
print(dev._method_ids)
```

In [ ]:
```python
anas = dev.get_analyses('Pac')
```

In [ ]:
```python
anas[0].print()
```

In [ ]:
```python
print(anas[0].data)
```

ProcessingSettings - Feature Extraction

Create a new ProcessingSettings object

In [ ]:
```python
from src.StreamPort.device.DeviceProcSettings import ExtractPressureFeatures
```

*'smoothed' argument of ExtractPressureFeatures object can be used to control whether the pressure curves should first be transformed by calculating percentage change between adjacent datapoints.

Defaults to False, in which case feature extraction is performed on the raw pressure curves.

```
In [ ]:  settings = ExtractPressureFeatures(smoothed=False)
```

Add processing settings

```
In [ ]:  dev.add_settings(settings)
         dev.print()
```

```
DeviceEngine
  name: Pressure Curve Analysis
  author: Sandeep H.
  path: None
  date: 2024-08-07 17:12:35.732276
  analyses: 109
  settings: 1


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:11:06 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:17:00 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:22:54 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:28:48 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:34:41 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:40:35 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
```

```
    name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:46:29 01/31/24
    replicate: None
    blank: None
    data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
    name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:52:24 01/31/24
    replicate: None
    blank: None
    data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
    name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:58:18 01/31/24
    replicate: None
    blank: None
    data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
    name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 16:04:10 01/31/24
    replicate: None
    blank: None
    data:
```

```
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:05:08 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:50 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:53 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
        Idle time : (size 2)
        Number of Trials : (size 1)
        Curve : (size 800)
        Log : (size 38)


        Analysis
          name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
        3:56 09/13/21
          replicate: None
          blank: None
          data:
        Method : (size 30)
        Sample : (size 24)
        Runtype : (size 1)
        Start date : (size 17)
        Runtime : (size 1)
        Idle time : (size 2)
        Number of Trials : (size 1)
        Curve : (size 800)
        Log : (size 38)


        Analysis
          name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
        4:00 09/13/21
          replicate: None
          blank: None
          data:
        Method : (size 30)
        Sample : (size 18)
        Runtype : (size 1)
        Start date : (size 17)
        Runtime : (size 1)
        Idle time : (size 2)
        Number of Trials : (size 1)
        Curve : (size 800)
        Log : (size 38)


        Analysis
          name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
        4:03 09/13/21
          replicate: None
          blank: None
          data:
        Method : (size 30)
        Sample : (size 24)
        Runtype : (size 1)
        Start date : (size 17)
        Runtime : (size 1)
        Idle time : (size 2)
        Number of Trials : (size 1)
        Curve : (size 800)
        Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:06 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 799)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:09 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:12 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:15 09/13/21
  replicate: None
```

```
      blank: None
      data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:18 09/13/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:20 09/13/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
   name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:23 09/13/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
```

```
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:26 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:30 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:34 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
```

```
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:47 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 42)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:32:18 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:37:55 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
```

```
0:43:32 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:49:08 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:54:44 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:00:21 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
```

```
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:05:57 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:11:34 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:17:10 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
```

```
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:22:47 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:28:24 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:34:00 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)
```

```
Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:39:38 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 999)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:45:15 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:50:52 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:56:28 08/27/21
  replicate: None
  blank: None
```

```
      data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
2:02:04 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:26:28 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:21 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:23 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:25 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:27 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:29 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:31 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:33 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:35 08/20/21
```

```
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:37 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:39 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:41 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
```

```
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:43 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:45 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:47 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
            Curve : (size 800)
            Log : (size 38)


            Analysis
              name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
            0:49 08/20/21
              replicate: None
              blank: None
              data:
            Method : (size 30)
            Sample : (size 24)
            Runtype : (size 1)
            Start date : (size 17)
            Runtime : (size 1)
            Idle time : (size 2)
            Number of Trials : (size 1)
            Curve : (size 800)
            Log : (size 38)


            Analysis
              name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
            0:51 08/20/21
              replicate: None
              blank: None
              data:
            Method : (size 30)
            Sample : (size 18)
            Runtype : (size 1)
            Start date : (size 17)
            Runtime : (size 1)
            Idle time : (size 2)
            Number of Trials : (size 1)
            Curve : (size 800)
            Log : (size 38)


            Analysis
              name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
            0:19 08/20/21
              replicate: None
              blank: None
              data:
            Method : (size 30)
            Sample : (size 18)
            Runtype : (size 1)
            Start date : (size 17)
            Runtime : (size 1)
            Idle time : (size 2)
            Number of Trials : (size 1)
            Curve : (size 800)
            Log : (size 44)


            Analysis
```

```
      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:08 08/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
   name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:10 08/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:12 08/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:14 08/13/21
    replicate: None
    blank: None
    data:
```

```
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:15 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:17 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:19 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:21 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:23 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:25 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)
```

```
Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:30 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:06 08/13/21
  replicate: None
```

```
    blank: None
    data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 44)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:15:02 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:17:44 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:20:27 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
```

```
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:23:09 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:10:53 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:24 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
```

```
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:29 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
```

```
9:31 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:33 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:35 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:36 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
```

```
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:38 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:40 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:42 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
```

```
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:43 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:45 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 48)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:22 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 56)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
4:54 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
7:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
0:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
3:01 08/12/21
  replicate: None
  blank: None
```

```
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
5:43 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
8:25 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
1:07 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
3:49 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
6:31 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
9:13 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
1:55 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
4:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
7:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:4
9:16 08/12/21
```

```
         replicate: None
         blank: None
         data:
    Method : (size 30)
    Sample : (size 18)
    Runtype : (size 1)
    Start date : (size 17)
    Runtime : (size 3)
    Idle time : (size 2)
    Number of Trials : (size 1)
    Curve : (size 420)
    Log : (size 34)
```

Apply Processing Settings to extract pressure features from data saved within dev. Result will be empty since the last encountered analyses have not been added to the device object.

In [ ]:
```python
settings.run(dev)
```

Now we run the settings to extract pressure features after adding analyses.

In [ ]:
```python
pressure_features = settings.run(dev)
```

In [ ]:
```python
print(pressure_features)
```

Add the extracted features to the results (dict) attribute

In [ ]:
```python
dev.add_results(pressure_features)
```

Retrieve the stored results associated with the current object.

ProcessingSettings - Seasonal Decomposition

Create a new ProcessingSettings object to extract seasonal components from analyses.

In [ ]:
```python
from src.StreamPort.device.DeviceProcSettings import DecomposeCurves
```

*'period' argument of DecomposeCurves and RollingStats objects are used to control the window size over which the features are calculated. Defaults to 10 here.

In [ ]:
```python
curve_decompose = DecomposeCurves(period=30)
```

In [ ]:
```python
dev.add_settings(curve_decompose)
dev.print()
```

```
DeviceEngine
  name: Pressure Curve Analysis
  author: Sandeep H.
  path: None
  date: 2024-08-07 17:12:35.732276
  analyses: 109
  settings: 1


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:11:06 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:17:00 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:22:54 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:28:48 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:34:41 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:40:35 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
```

```
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:46:29 01/31/24
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:52:24 01/31/24
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:58:18 01/31/24
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 16:04:10 01/31/24
     replicate: None
     blank: None
     data:
```

```
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:05:08 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:50 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:53 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
                  Idle time : (size 2)
                  Number of Trials : (size 1)
                  Curve : (size 800)
                  Log : (size 38)


                  Analysis
                    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
                  3:56 09/13/21
                    replicate: None
                    blank: None
                    data:
                  Method : (size 30)
                  Sample : (size 24)
                  Runtype : (size 1)
                  Start date : (size 17)
                  Runtime : (size 1)
                  Idle time : (size 2)
                  Number of Trials : (size 1)
                  Curve : (size 800)
                  Log : (size 38)


                  Analysis
                    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
                  4:00 09/13/21
                    replicate: None
                    blank: None
                    data:
                  Method : (size 30)
                  Sample : (size 18)
                  Runtype : (size 1)
                  Start date : (size 17)
                  Runtime : (size 1)
                  Idle time : (size 2)
                  Number of Trials : (size 1)
                  Curve : (size 800)
                  Log : (size 38)


                  Analysis
                    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
                  4:03 09/13/21
                    replicate: None
                    blank: None
                    data:
                  Method : (size 30)
                  Sample : (size 24)
                  Runtype : (size 1)
                  Start date : (size 17)
                  Runtime : (size 1)
                  Idle time : (size 2)
                  Number of Trials : (size 1)
                  Curve : (size 800)
                  Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:06 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 799)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:09 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:12 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:15 09/13/21
  replicate: None
```

```
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:18 09/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:20 09/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:23 09/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
```

```
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:26 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:30 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:34 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
```

```
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:47 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 42)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:32:18 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:37:55 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
```

```
0:43:32 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:49:08 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:54:44 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:00:21 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
```

```
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:05:57 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:11:34 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:17:10 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
```

```
          Number of Trials : (size 1)
          Curve : (size 1000)
          Log : (size 28)


          Analysis
            name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
          1:22:47 08/27/21
            replicate: None
            blank: None
            data:
          Method : (size 33)
          Sample : (size 27)
          Runtype : (size 1)
          Start date : (size 17)
          Runtime : (size 3)
          Idle time : (size 2)
          Number of Trials : (size 1)
          Curve : (size 1000)
          Log : (size 28)


          Analysis
            name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
          1:28:24 08/27/21
            replicate: None
            blank: None
            data:
          Method : (size 33)
          Sample : (size 27)
          Runtype : (size 1)
          Start date : (size 17)
          Runtime : (size 3)
          Idle time : (size 2)
          Number of Trials : (size 1)
          Curve : (size 1000)
          Log : (size 28)


          Analysis
            name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
          1:34:00 08/27/21
            replicate: None
            blank: None
            data:
          Method : (size 33)
          Sample : (size 27)
          Runtype : (size 1)
          Start date : (size 17)
          Runtime : (size 3)
          Idle time : (size 2)
          Number of Trials : (size 1)
          Curve : (size 1000)
          Log : (size 28)
```

```
Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:39:38 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 999)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:45:15 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:50:52 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:56:28 08/27/21
  replicate: None
  blank: None
```

```
   data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
   name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
2:02:04 08/27/21
   replicate: None
   blank: None
   data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
   name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:26:28 08/27/21
   replicate: None
   blank: None
   data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 32)


Analysis
   name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:21 08/20/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:23 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:25 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:27 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:29 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:31 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:33 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:35 08/20/21
```

```
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:37 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:39 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:41 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
```

```
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:43 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:45 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:47 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
            Curve : (size 800)
            Log : (size 38)


            Analysis
              name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
            0:49 08/20/21
              replicate: None
              blank: None
              data:
            Method : (size 30)
            Sample : (size 24)
            Runtype : (size 1)
            Start date : (size 17)
            Runtime : (size 1)
            Idle time : (size 2)
            Number of Trials : (size 1)
            Curve : (size 800)
            Log : (size 38)


            Analysis
              name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
            0:51 08/20/21
              replicate: None
              blank: None
              data:
            Method : (size 30)
            Sample : (size 18)
            Runtype : (size 1)
            Start date : (size 17)
            Runtime : (size 1)
            Idle time : (size 2)
            Number of Trials : (size 1)
            Curve : (size 800)
            Log : (size 38)


            Analysis
              name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
            0:19 08/20/21
              replicate: None
              blank: None
              data:
            Method : (size 30)
            Sample : (size 18)
            Runtype : (size 1)
            Start date : (size 17)
            Runtime : (size 1)
            Idle time : (size 2)
            Number of Trials : (size 1)
            Curve : (size 800)
            Log : (size 44)


            Analysis
```

```
     name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:08 08/13/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
   name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:10 08/13/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:12 08/13/21
   replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
   name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:14 08/13/21
   replicate: None
   blank: None
   data:
```

```
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:15 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:17 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:19 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:21 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:23 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:25 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)
```

```
Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:30 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:06 08/13/21
  replicate: None
```

```
        blank: None
        data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 44)


Analysis
    name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:15:02 08/13/21
        replicate: None
        blank: None
        data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
    name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:17:44 08/13/21
        replicate: None
        blank: None
        data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
    name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:20:27 08/13/21
        replicate: None
        blank: None
        data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
```

```
                Start date : (size 17)
                Runtime : (size 3)
                Idle time : (size 2)
                Number of Trials : (size 1)
                Curve : (size 420)
                Log : (size 30)


                Analysis
                  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
                e: 08:23:09 08/13/21
                  replicate: None
                  blank: None
                  data:
                Method : (size 37)
                Sample : (size 31)
                Runtype : (size 1)
                Start date : (size 17)
                Runtime : (size 3)
                Idle time : (size 2)
                Number of Trials : (size 1)
                Curve : (size 420)
                Log : (size 32)


                Analysis
                  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
                e: 08:10:53 08/13/21
                  replicate: None
                  blank: None
                  data:
                Method : (size 37)
                Sample : (size 18)
                Runtype : (size 1)
                Start date : (size 17)
                Runtime : (size 3)
                Idle time : (size 2)
                Number of Trials : (size 1)
                Curve : (size 420)
                Log : (size 32)


                Analysis
                  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
                9:24 08/13/21
                  replicate: None
                  blank: None
                  data:
                Method : (size 30)
                Sample : (size 18)
                Runtype : (size 1)
                Start date : (size 17)
                Runtime : (size 1)
                Idle time : (size 2)
                Number of Trials : (size 1)
                Curve : (size 800)
```

```
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:29 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
```

```
9:31 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:33 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:35 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:36 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
```

```
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:38 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:40 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:42 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
```

```
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:43 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:45 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 48)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:22 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 56)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
4:54 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
7:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
0:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
3:01 08/12/21
  replicate: None
  blank: None
```

```
      data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
5:43 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
8:25 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
1:07 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
3:49 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
6:31 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
9:13 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
1:55 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
4:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
7:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:4
9:16 08/12/21
```

```
     replicate: None
     blank: None
     data:
   Method : (size 30)
   Sample : (size 18)
   Runtype : (size 1)
   Start date : (size 17)
   Runtime : (size 3)
   Idle time : (size 2)
   Number of Trials : (size 1)
   Curve : (size 420)
   Log : (size 34)
```

In [ ]:
```python
seasonal_components = curve_decompose.run(dev)
print(seasonal_components)
```

In [ ]:
```python
dev.add_results(seasonal_components)
```

In [ ]:
```python
dev.get_results(-1)
```

In [ ]:
```python
dev.remove_analyses(0)
dev.print()
```

Each .D folder is an analysis with timestamp

Latest entry in analyses contains most up to date results

ProcessingSettings - Fourier Transformation

Create a new ProcessingSettings object to perform Fast Fourier Analysis on raw curve and seasonal component of analyses time decomposition.

In [ ]:
```python
from src.StreamPort.device.DeviceProcSettings import FourierTransform
```

In [ ]:
```python
fourier_transform = FourierTransform()
```

In [ ]:
```python
dev.add_settings(fourier_transform)
dev.print()
```

```
DeviceEngine
  name: Pressure Curve Analysis
  author: Sandeep H.
  path: None
  date: 2024-08-07 17:12:35.732276
  analyses: 109
  settings: 1


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:11:06 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:17:00 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:22:54 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:28:48 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:34:41 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:40:35 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
```

```
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:46:29 01/31/24
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:52:24 01/31/24
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:58:18 01/31/24
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
     name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 16:04:10 01/31/24
     replicate: None
     blank: None
     data:
```

```
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 240131_Irino_Kali 2024-01-31 15-04-57 | Start tim
e: 15:05:08 01/31/24
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:50 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:53 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:56 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:00 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:03 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:06 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 799)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:09 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:12 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:15 09/13/21
  replicate: None
```

```
        blank: None
        data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:18 09/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:20 09/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
    name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:23 09/13/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
```

```
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:26 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:30 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
4:34 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
```

```
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210910_Doc 2021-09-10 17-13-54 | Start time: 11:1
3:47 09/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 42)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:32:18 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:37:55 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
```

```
0:43:32 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:49:08 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:54:44 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 24)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:00:21 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
```

```
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:05:57 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:11:34 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:17:10 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
```

```
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:22:47 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:28:24 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:34:00 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)
```

```
Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:39:38 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 999)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:45:15 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:50:52 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
1:56:28 08/27/21
  replicate: None
  blank: None
```

```
     data:
Method : (size 33)
Sample : (size 27)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
2:02:04 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 26)


Analysis
  name: Device Pressure Analysis - 210827_Irino2 2021-08-27 10-26-23 | Start time: 1
0:26:28 08/27/21
  replicate: None
  blank: None
  data:
Method : (size 33)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 1000)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:21 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:23 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:25 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:27 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)
```

```
Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:29 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:31 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:33 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 36)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:35 08/20/21
```

```
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
    name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:37 08/20/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
    name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:39 08/20/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
    name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:41 08/20/21
    replicate: None
    blank: None
    data:
Method : (size 30)
Sample : (size 24)
```

```
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:43 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:45 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:47 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
```

```
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:49 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:51 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210819_Pac 2021-08-19 15-50-49 | Start time: 11:3
0:19 08/20/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 44)


Analysis
```

```
      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:08 08/13/21
      replicate: None
      blank: None
      data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:10 08/13/21
      replicate: None
      blank: None
      data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:12 08/13/21
      replicate: None
      blank: None
      data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:14 08/13/21
      replicate: None
      blank: None
      data:
```

```
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:15 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:17 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:19 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
```

```
                    Idle time : (size 2)
                    Number of Trials : (size 1)
                    Curve : (size 800)
                    Log : (size 38)



                    Analysis
                      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
                    6:21 08/13/21
                      replicate: None
                      blank: None
                      data:
                    Method : (size 30)
                    Sample : (size 24)
                    Runtype : (size 1)
                    Start date : (size 17)
                    Runtime : (size 1)
                    Idle time : (size 2)
                    Number of Trials : (size 1)
                    Curve : (size 800)
                    Log : (size 40)



                    Analysis
                      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
                    6:23 08/13/21
                      replicate: None
                      blank: None
                      data:
                    Method : (size 30)
                    Sample : (size 24)
                    Runtype : (size 1)
                    Start date : (size 17)
                    Runtime : (size 1)
                    Idle time : (size 2)
                    Number of Trials : (size 1)
                    Curve : (size 800)
                    Log : (size 38)



                    Analysis
                      name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
                    6:25 08/13/21
                      replicate: None
                      blank: None
                      data:
                    Method : (size 30)
                    Sample : (size 24)
                    Runtype : (size 1)
                    Start date : (size 17)
                    Runtime : (size 1)
                    Idle time : (size 2)
                    Number of Trials : (size 1)
                    Curve : (size 800)
                    Log : (size 40)
```

```
Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 38)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:30 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 40)


Analysis
  name: Device Pressure Analysis - 210813_Pac 2021-08-13 10-37-27 | Start time: 12:4
6:06 08/13/21
  replicate: None
```

```
     blank: None
     data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 44)


Analysis
     name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:15:02 08/13/21
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
     name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:17:44 08/13/21
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
     name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:20:27 08/13/21
     replicate: None
     blank: None
     data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
```

```
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:23:09 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 31)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210813_Gem_210812 2021-08-13 08-10-49 | Start tim
e: 08:10:53 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 37)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:24 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
```

```
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:26 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:28 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:29 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
```

```
9:31 08/13/21
  replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:33 08/13/21
  replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:35 08/13/21
  replicate: None
   blank: None
   data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:36 08/13/21
  replicate: None
   blank: None
   data:
Method : (size 30)
```

```
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:38 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 52)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:40 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:42 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
```

```
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:43 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 50)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:45 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 48)


Analysis
  name: Device Pressure Analysis - 210812_Pac 2021-08-12 10-30-07 | Start time: 10:5
9:22 08/13/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 1)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 800)
Log : (size 56)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
4:54 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:5
7:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
0:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
3:01 08/12/21
  replicate: None
  blank: None
```

```
   data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
5:43 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:0
8:25 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
1:07 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
```

```
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
3:49 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
6:31 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:1
9:13 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)
```

```
Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
1:55 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 30)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
4:37 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 24)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 28)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 10:2
7:19 08/12/21
  replicate: None
  blank: None
  data:
Method : (size 30)
Sample : (size 18)
Runtype : (size 1)
Start date : (size 17)
Runtime : (size 3)
Idle time : (size 2)
Number of Trials : (size 1)
Curve : (size 420)
Log : (size 32)


Analysis
  name: Device Pressure Analysis - 210812_Gem 2021-08-12 09-49-10 | Start time: 09:4
9:16 08/12/21
```

```
       replicate: None
       blank: None
       data:
   Method : (size 30)
   Sample : (size 18)
   Runtype : (size 1)
   Start date : (size 17)
   Runtime : (size 3)
   Idle time : (size 2)
   Number of Trials : (size 1)
   Curve : (size 420)
   Log : (size 34)
```

In [ ]:
```python
transformed_seasonal = fourier_transform.run(dev)
print(transformed_seasonal)
```

In [ ]:
```python
dev.add_results(transformed_seasonal)
```

In [ ]:
```python
dev.get_results(-1)
```

Plot Analyses

DeviceEngine's *plot_analyses()* and *plot_results()* calls each analysis object's respective *plot()* function after dynamically grouping related analyses. Grouping is done on the basis of unique method id's paired with unique experiment dates.

Plot analyses by calling inbuilt plot function and passing each object's index as argument

In [ ]:
```python
dev.plot_analyses(1)
```

Plot analyses by word or subword present in analysis name

Method IDs created and saved during find_analyses() contain identifiers of exact experiment groups which can be used to retrieve the corresponding data later on.

In [ ]:
```python
#for method in dev._method_ids:
#    dev.plot_analyses(method)
```

Plot analyses by word or subword present in analysis date

Plot all available analyses by omitting 'analyses' argument

In [ ]:
```python
dev.print()
```

Plot Results

Plot the computed results of feature extraction for chosen results based on user input to

select *base* to extract base features, *decompose* for seasonal decomposition, fourier *transform* or *rolling* statistics.

User may also plot the raw pressure curves by omitting the 'features' argument, indicating that the *results* of feature extraction are not to be plotted, just the curves.

```
In [ ]: this_method = dev._method_ids[6]
        #this_method = 'Pac' - Length mismatch error
```

analysis of method_ids 1, 3, 4, 5, 7 function correctly

```
In [ ]: dev.plot_results(this_method)
```

normalize features before plotting

```
In [ ]: dev.plot_results(results = this_method, features ='base')
```

```
In [ ]: dev.plot_results(results = this_method, features = 'decompose')
```

```
In [ ]: dev.plot_results(results = this_method, features = 'transform', type = 'box')
```

Max amplitudes of seasonal and resids. Low pass filter?

ADD CLASS LABELS TO ANALYSIS OBJECTS AFTER FEATURE ANALYSIS. FIRST ANALYSIS '001-blank' is left out of ML operations due to it being a systematic fault.

```
In [ ]:
```