Instrument controller software run summary:

Filename and data path: C:\Agilent Technologies\Data\2021 06 21\13-15-04\2021 06 21 13H 15M.raw
Created: Monday, June 21, 2021 1:36:48 PM
Number of capillaries: 3
Array serial number: 091520-10SFS
Effect length: 33 cm
Array usage count: 329
Instrument type: 5300 Fragment Analyzer
Instrument controller software version: 3.1.0.12
Device serial number: 3178

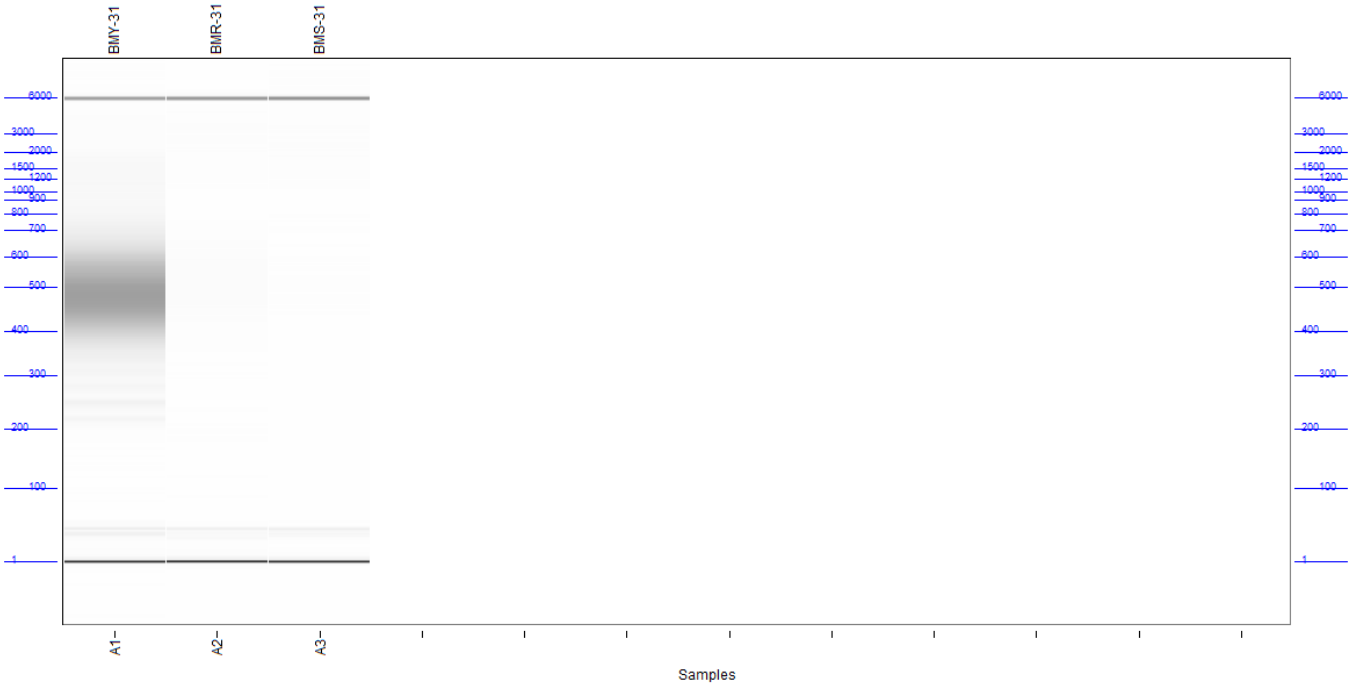
Method Information

Method name: DNF-474-33 - HS NGS Fragment 1-6000bp.mthds
Gel prime: No
Full conditioning: Yes
Gel prime to buffer: No
Gel selection: Gel 1
Perform prerun: 6.0 kV, 30 sec.
Rinse: No
Marker 1: No
Rinse: Tray: 3, Row: A, Dip count: 1
Sample injection: 5.0 kV, 30 sec.
Separation: 6.0 kV, 50.0 min.
Tray name: Tray-1

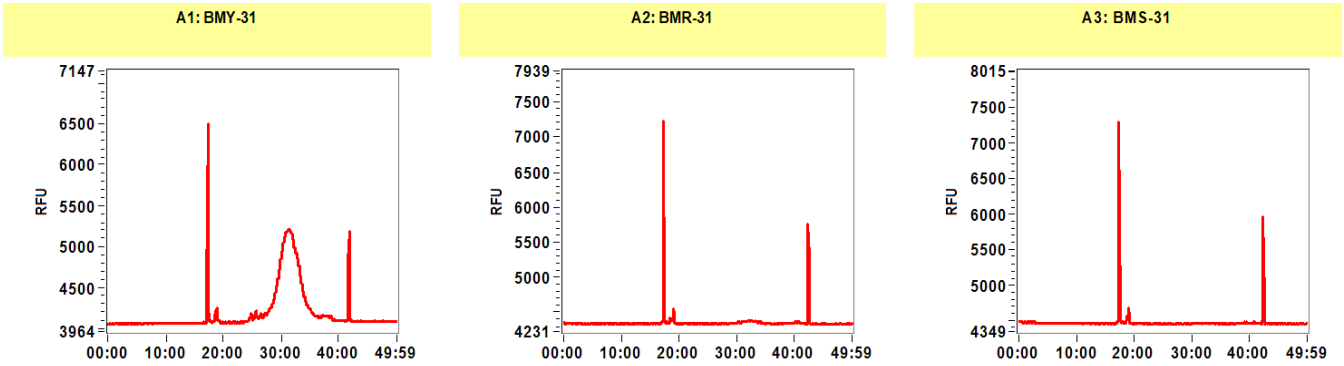
Analysis mode: NGS

Notes

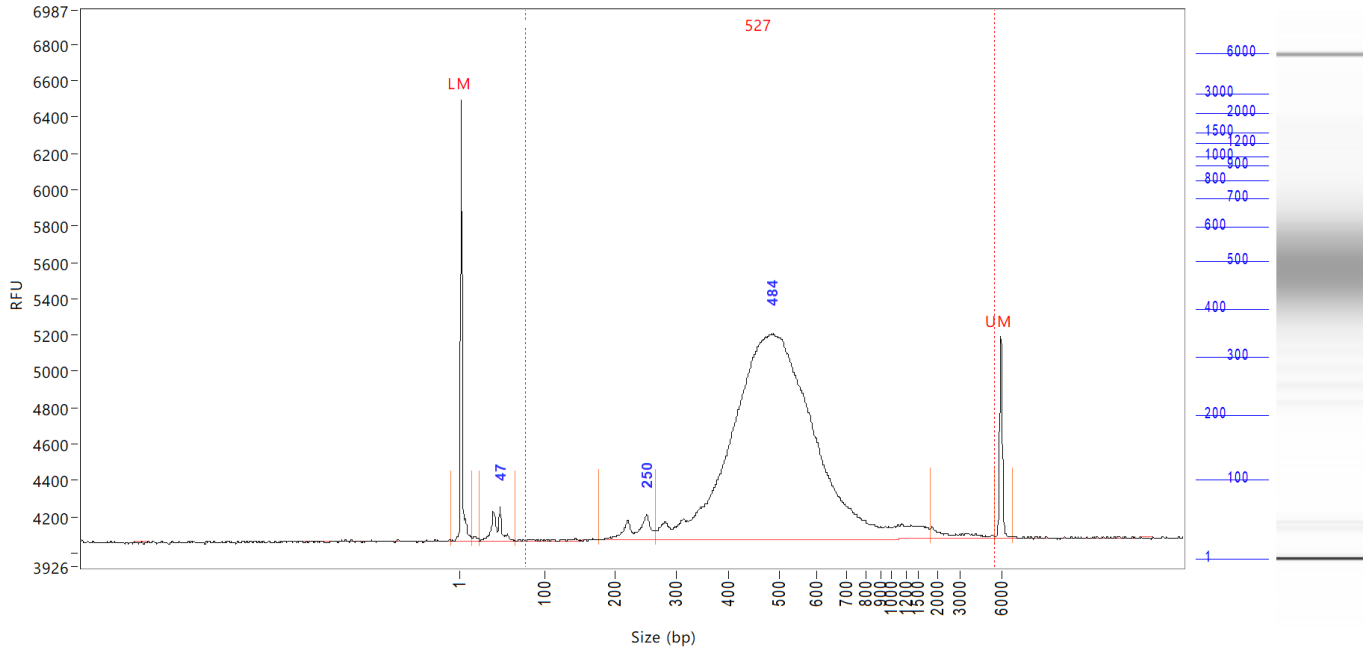
Gel Image


BMY-31
BMR-31
BMS-31
6000
3000
2000
1500
1200
1000
900
800
700
600
500
400
300
200
100
1
A1
A2
A3
Samples

Filename and data path: C:\Agilent Technologies\Data\2021 06 21\13-15-04\2021 06 21 13H 15M.raw



Sample: BMY-31
Well location: A1
Created: Monday, June 21, 2021 1:36:48 PM



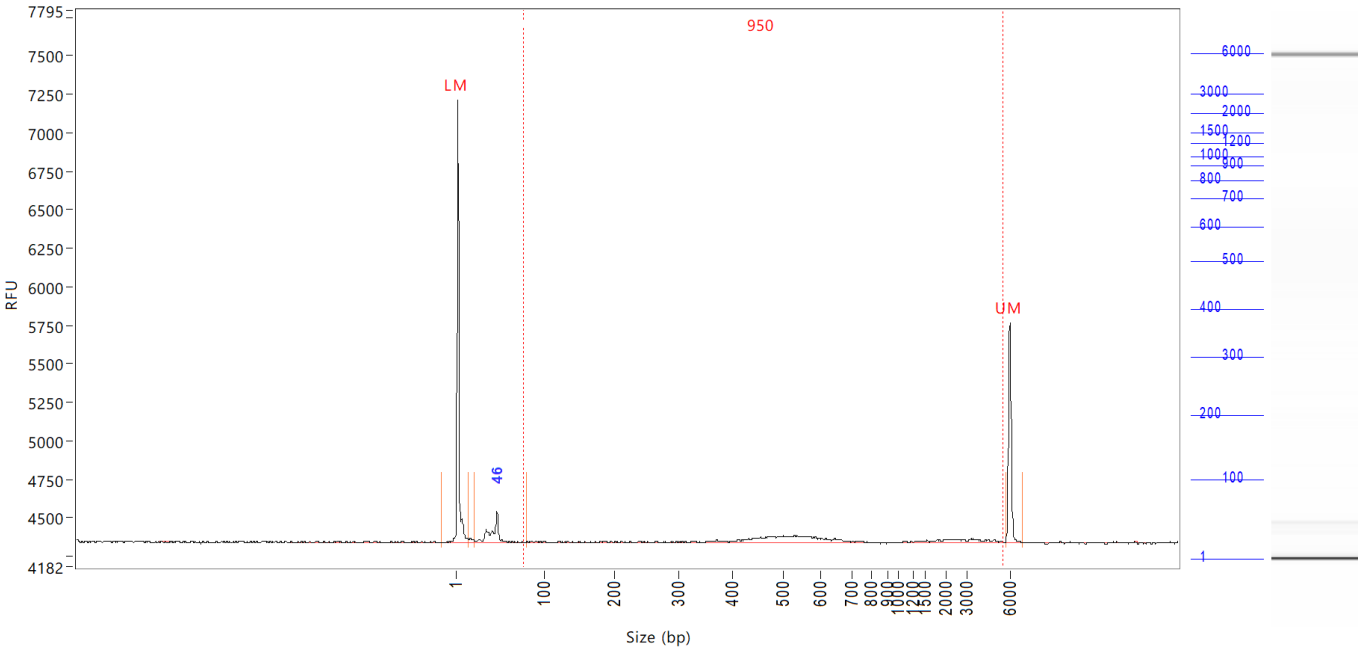
Peak	Size (bp)	Concentration (ng/uL)	From (bp)	To (bp)	Average size (bp)	CV%	RFU	Corrected peak area
1	1 (LM)	0.0174	0	15	1	202.02	2431	13.671
2	47	0.0613	23	65	42	15.66	187	4.005
3	250	0.0777	178	264	233	8.59	141	5.078
4	484	2.4095	264	1812	511	31.29	1132	157.409
5	6000 (UM)	0.0050	5553	6784	5990	2.10	1115	3.936

TIC:	2.5486	ng/uL
TIM:	10.6961	nmole/L
Total concentration:	2.5879	ng/uL

Smear Analysis	75 bp to 5500 bp	2.5210 ng/ul	97.4 %Total	7.8665 nmole/L	527 Avg. Size (bp)	61.02 %CV

```
Sample peak width (sec): 50   Sample min peak height: 25    Sample baseline V to V?: Y    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 3  Sample start region (min): 0  Sample end region (min): 50
Manual baseline start (min): 10     Manual baseline end (min): 48
Marker peak width (sec): 5    Marker min peak height: 200   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 200 RFU                Upper marker selection: Last peak > 200 RFU
Ladder size (bp)1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.0830          Dilution factor: 12.0
```

Sample: BMR-31
Well location: A2
Created: Monday, June 21, 2021 1:36:48 PM



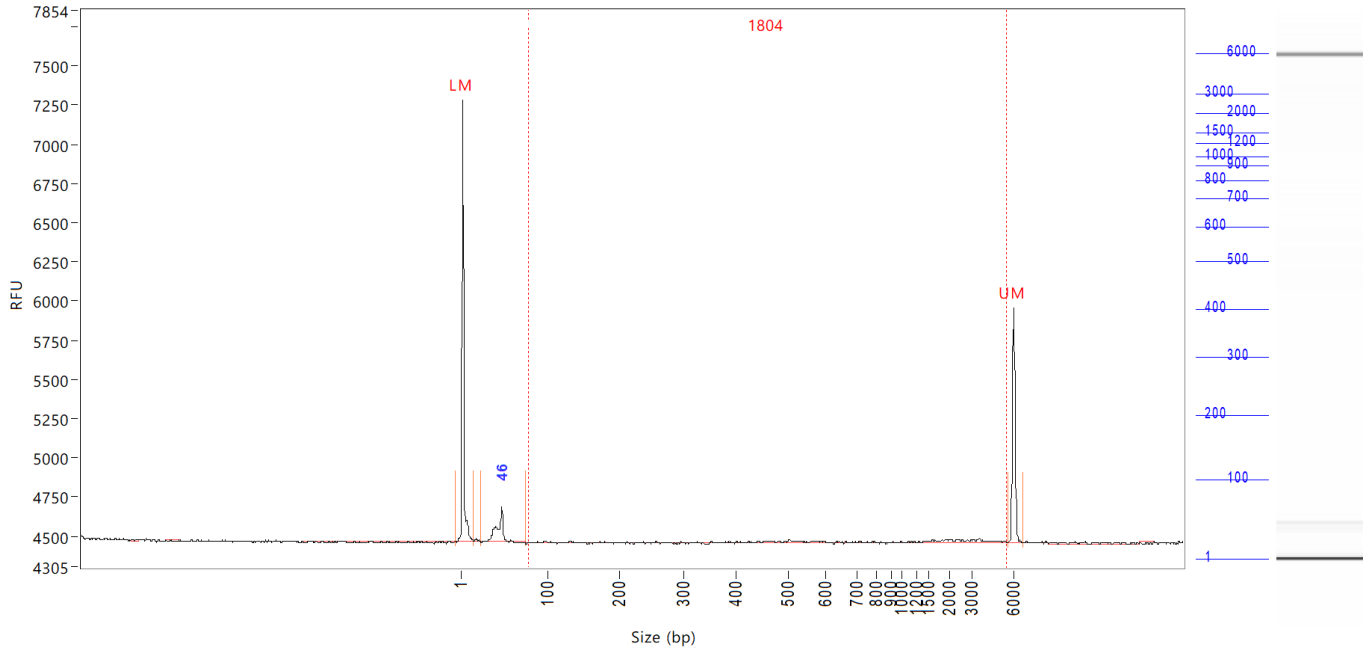
Peak	Size (bp)	Concentration (ng/uL)	From (bp)	To (bp)	Average size (bp)	CV%	RFU	Corrected peak area
1	1 (LM)	0.0174	0	15	1	177.43	2877	16.086
2	46	0.0449	22	81	41	20.56	206	3.449
3	6000 (UM)	0.0054	5684	6941	5995	2.08	1426	4.973

TIC:	0.0449	ng/uL
TIM:	1.7906	nmole/L
Total concentration:	0.1560	ng/uL

Smear Analysis	75 bp to 5500 bp	0.1074 ng/ul	68.9 %Total	0.1860 nmole/L	950 Avg. Size (bp)	113.61 %CV

```
Sample peak width (sec): 50   Sample min peak height: 25    Sample baseline V to V?: Y    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 3  Sample start region (min): 0  Sample end region (min): 50
Manual baseline start (min): 10     Manual baseline end (min): 48
Marker peak width (sec): 5    Marker min peak height: 200   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 200 RFU                Upper marker selection: Last peak > 200 RFU
Ladder size (bp)1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.0830          Dilution factor: 12.0
```

Sample: BMS-31
Well location: A3
Created: Monday, June 21, 2021 1:36:48 PM



Peak	Size (bp)	Concentration (ng/uL)	From (bp)	To (bp)	Average size (bp)	CV%	RFU	Corrected peak area
1	1 (LM)	0.0174	0	14	1	184.62	2823	15.434
2	46	0.0448	23	73	41	12.76	223	3.308
3	6000 (UM)	0.0058	5553	6653	5991	1.80	1498	5.126

TIC:	0.0448	ng/uL
TIM:	1.7895	nmole/L
Total concentration:	0.0860	ng/uL

Smear Analysis 75 bp to 5500 bp 0.0387 ng/ul 45.1 %Total 0.0353 nmole/L 1804 Avg. Size (bp) 78.05 %CV

```
Sample peak width (sec): 50   Sample min peak height: 25    Sample baseline V to V?: Y    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 3  Sample start region (min): 0  Sample end region (min): 50
Manual baseline start (min): 10     Manual baseline end (min): 48
Marker peak width (sec): 5    Marker min peak height: 200   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 200 RFU                Upper marker selection: Last peak > 200 RFU
Ladder size (bp)1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.0830          Dilution factor: 12.0
```

Sample: ladder
Well location: D12
Created: Monday, June 21, 2021 1:36:48 PM
Fit type: Point to point