Assay Class: DNA 7500	Created: 8/16/2021 2:54:32 PM
Data Path: C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad	Modified: 8/16/2021 3:34:52 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name:	4170_bioanalyzer	Firmware:	C.01.069
Serial#:	DE13804176	Type:	G2939A

Assay Information:

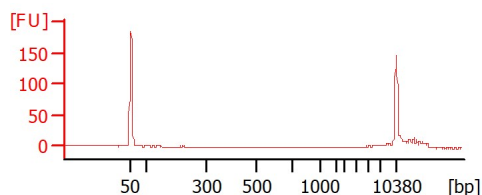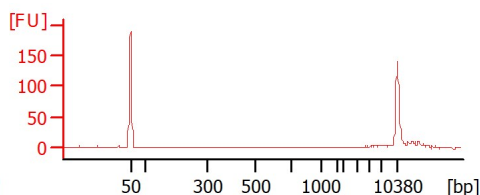|	
Assay Origin Path:	C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 7500 Series II.xsy
Assay Class:	DNA 7500
Version:	2.3
Assay Comments:	DNA Analysis 100 -7500 bp
	© Copyright 2003-2009 Agilent Technologies, Inc.

Chip Information:

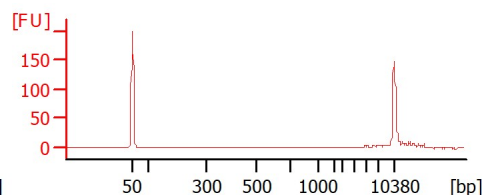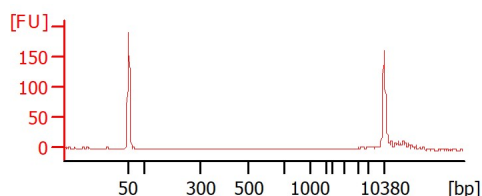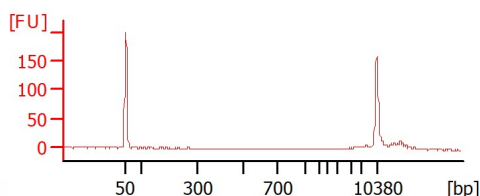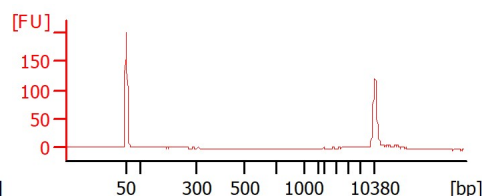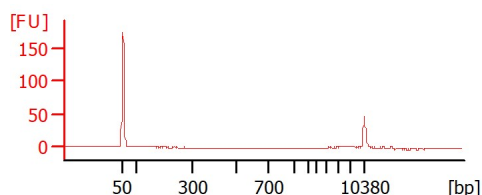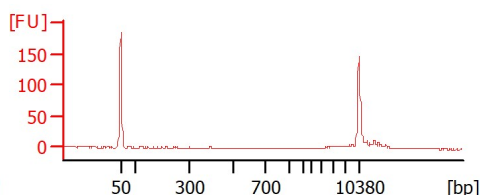|	
Chip Lot #:	
Reagent Kit Lot #:	
Chip Comments:	

Sample 1

Sample 2

Sample 3

Sample 4

Sample 5

Sample 6

Sample 7
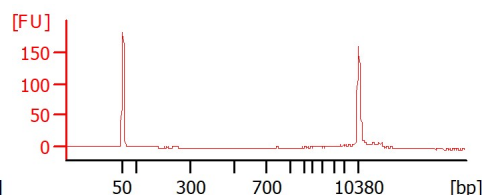
Sample 8
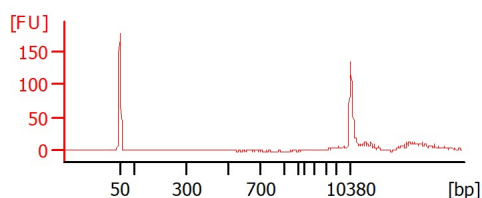
Sample 9
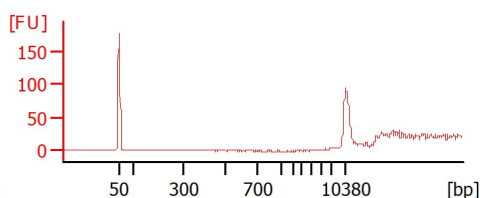
Sample 10
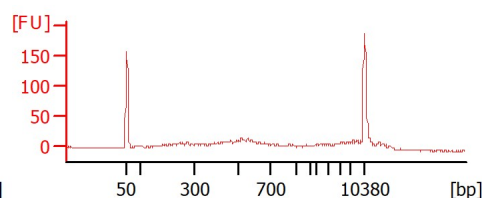
Sample 11

Sample 12

Assay Class:	DNA 7500		Created:	8/16/2021 2:54:32 PM
Data Path:	C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad		Modified:	8/16/2021 3:34:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Sample 1		☐	✔			
Sample 2		☐	✔			
Sample 3		☐	✔			
Sample 4		☐	✔			
Sample 5		☐	✔			
Sample 6		☐	✔			
Sample 7		☐	✔			
Sample 8		☐	✔			
Sample 9		☐	✔			
Sample 10		☐	✔			
Sample 11		☐	✔			
Sample 12		☐	✔			
Ladder		☐	✔			

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class:	DNA 7500
Data Path:	C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad

Created: 8/16/2021 2:54:32 PM
Modified: 8/16/2021 3:34:52 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 94
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 93.95
Ladder Concentration [ng/µl] : 40
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/µl] : 8.3
Upper Marker Concentration [ng/µl] : 4.2
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 93.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

Ladder Peak	Size	Area
1	50	120
2	100	47
3	300	63
4	500	81
5	700	85
6	1000	93
7	1500	101
8	2000	101
9	3000	106
10	5000	108
11	7000	109
12	10380	107

Assay Class: DNA 7500   Created: 8/16/2021 2:54:32 PM
Data Path: C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad   Modified: 8/16/2021 3:34:52 PM

Electropherogram Summary
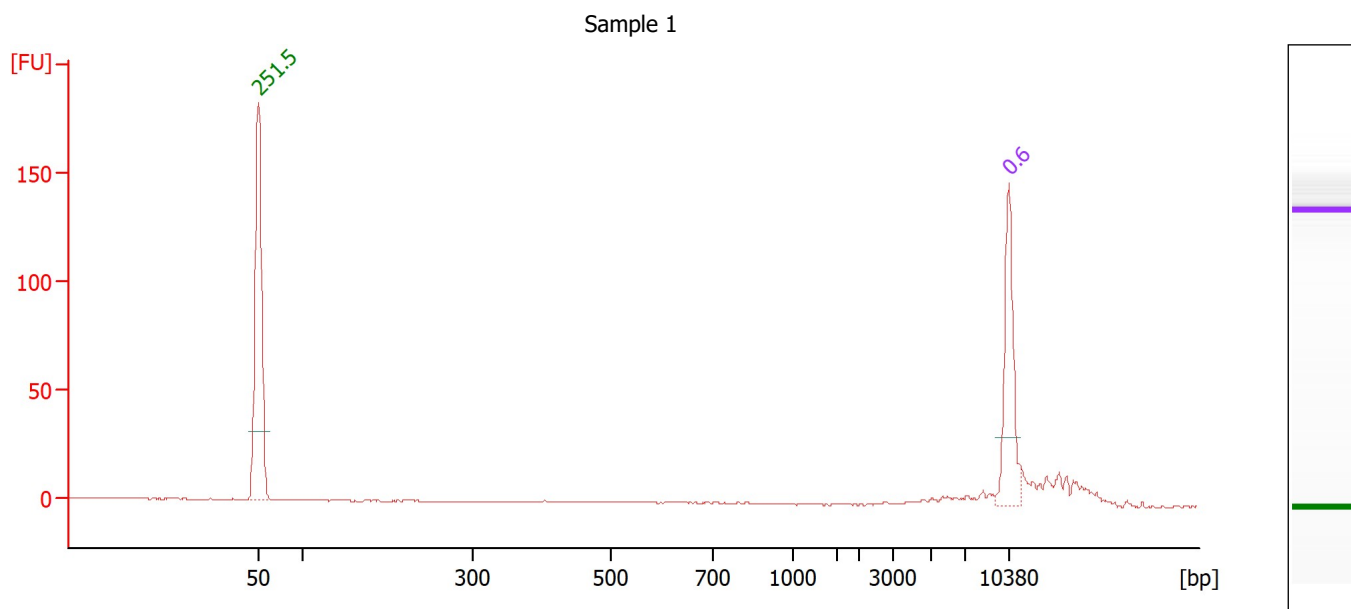
Sample 1

Overall Results for sample 1 :   Sample 1

Number of peaks found: 0

Peak table for sample 1 :   Sample 1

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Electropherogram Summary Continued ...
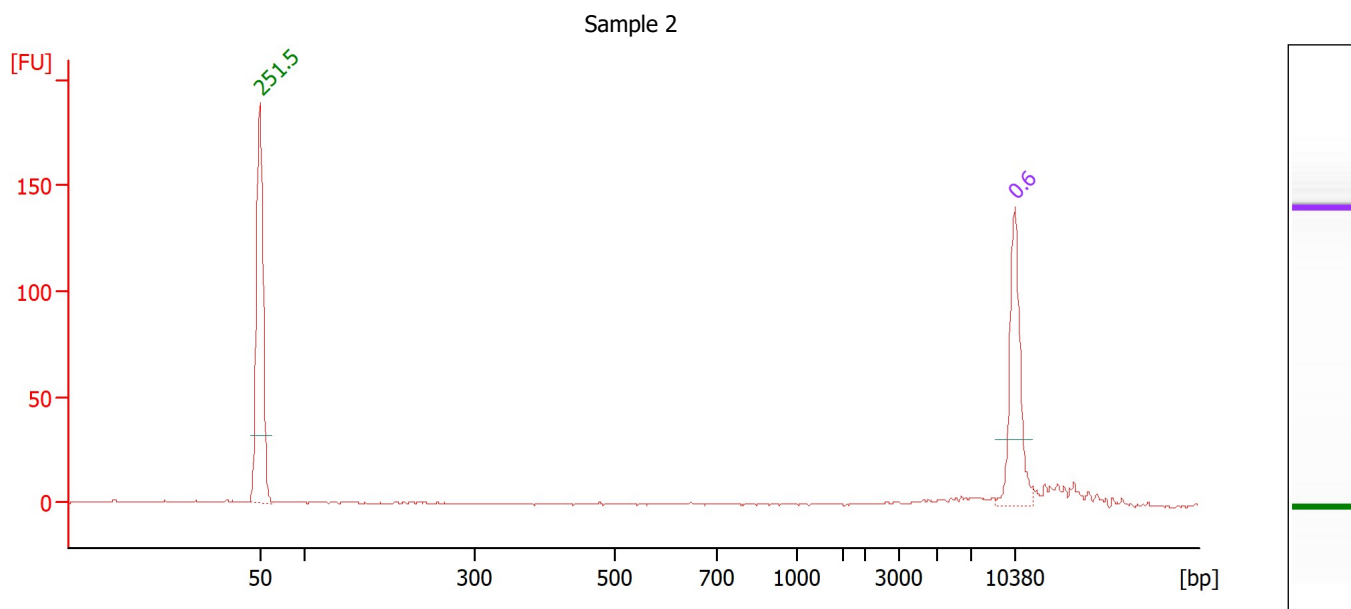
Sample 2

Overall Results for sample 2 :   Sample 2

Number of peaks found: 0

Peak table for sample 2 :   Sample 2

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500
Data Path: C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad

Created: 8/16/2021 2:54:32 PM
Modified: 8/16/2021 3:34:52 PM

Electropherogram Summary Continued ...
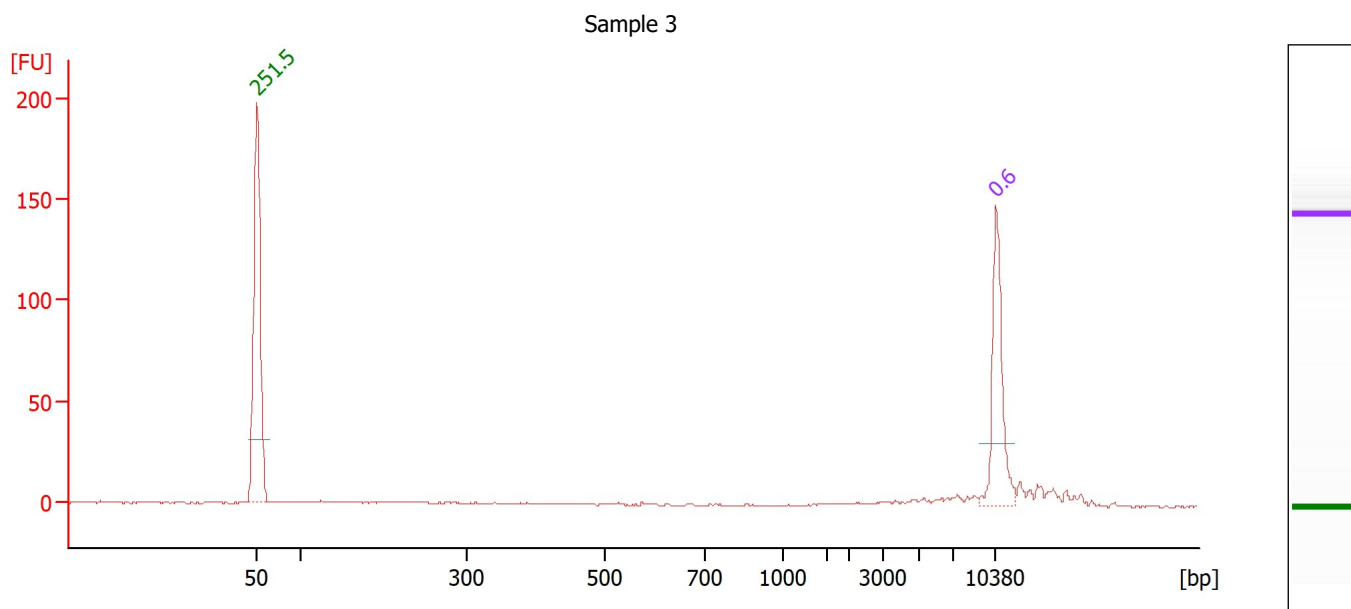
Sample 3

Overall Results for sample 3 :   Sample 3

Number of peaks found: 0

Peak table for sample 3 :   Sample 3

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Electropherogram Summary Continued ...
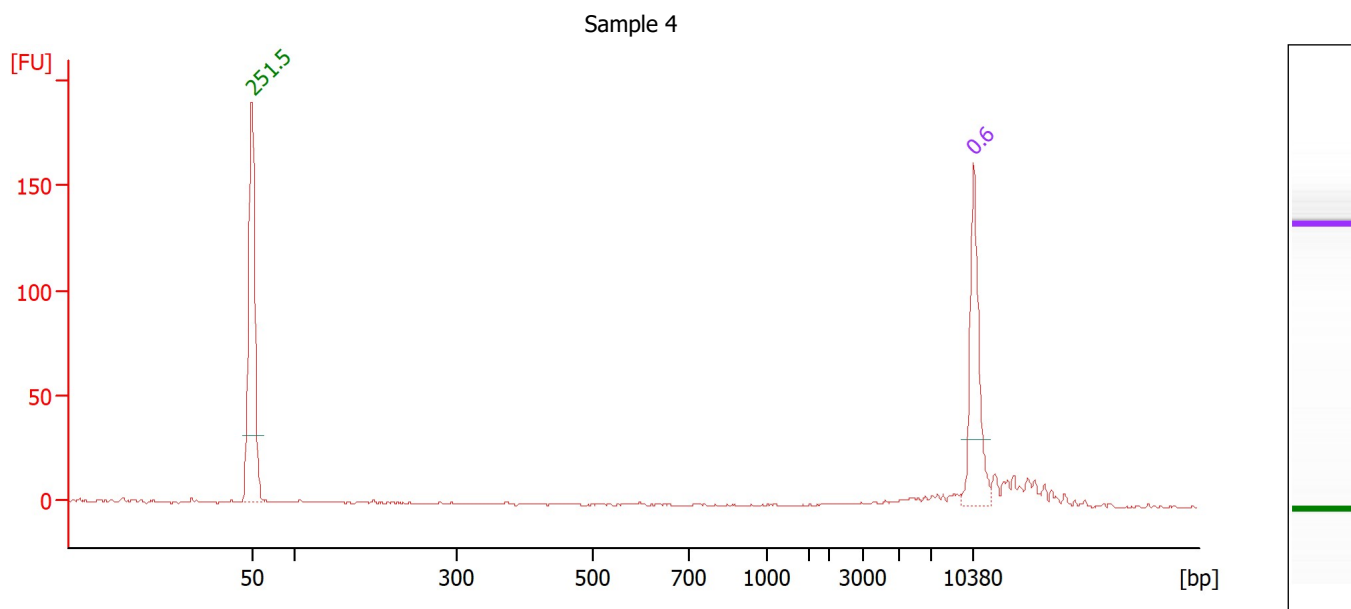
Sample 4

Overall Results for sample 4 : 　Sample 4

Number of peaks found:　　　　　0

Peak table for sample 4 : 　Sample 4

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Electropherogram Summary Continued ...
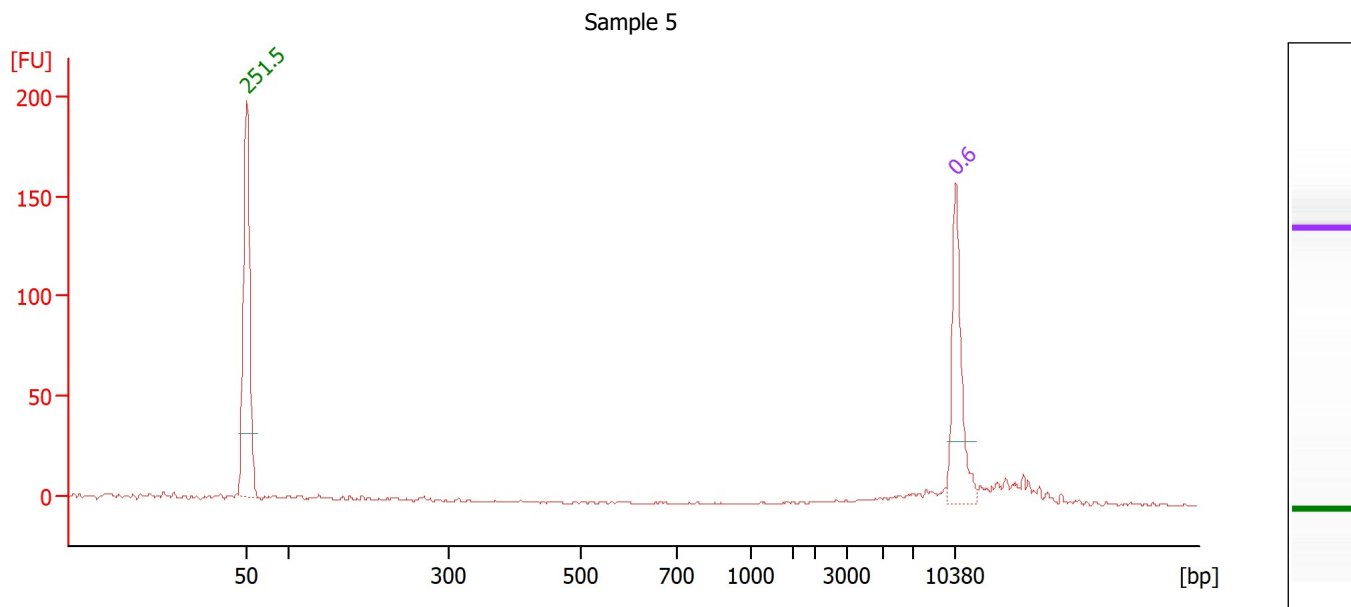
Sample 5

Overall Results for sample 5 :   Sample 5

Number of peaks found: 0

Peak table for sample 5 :   Sample 5

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Electropherogram Summary Continued ...

Sample 6

Overall Results for sample 6 :   Sample 6

Number of peaks found: 0

Peak table for sample 6 :   Sample 6

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Electropherogram Summary Continued ...

Sample 7

Overall Results for sample 7 :   Sample 7

Number of peaks found: 0

Peak table for sample 7 :   Sample 7

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Assay Class:　　DNA 7500　　　　　　　　　　　　　　　　　　　　　　　　Created:　　8/16/2021 2:54:32 PM
Data Path:　　　C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad　　Modified:　　8/16/2021 3:34:52 PM

Electropherogram Summary Continued ...

Sample 8

Overall Results for sample 8 : Sample 8
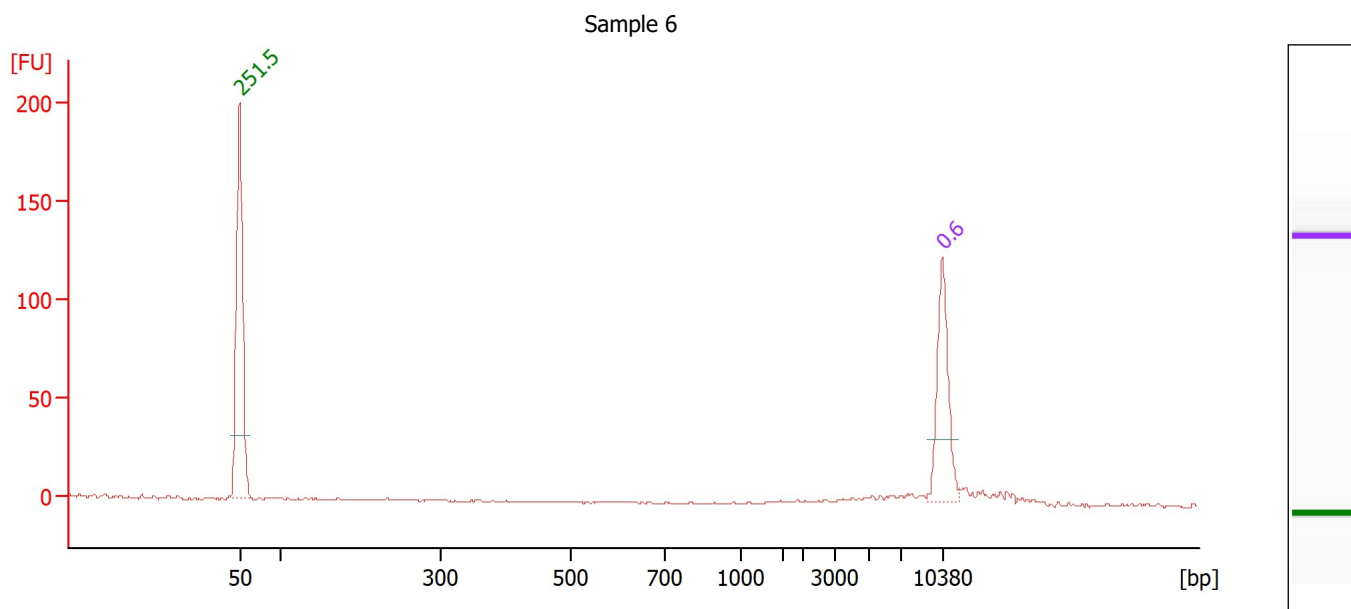
Number of peaks found:　　　　　0
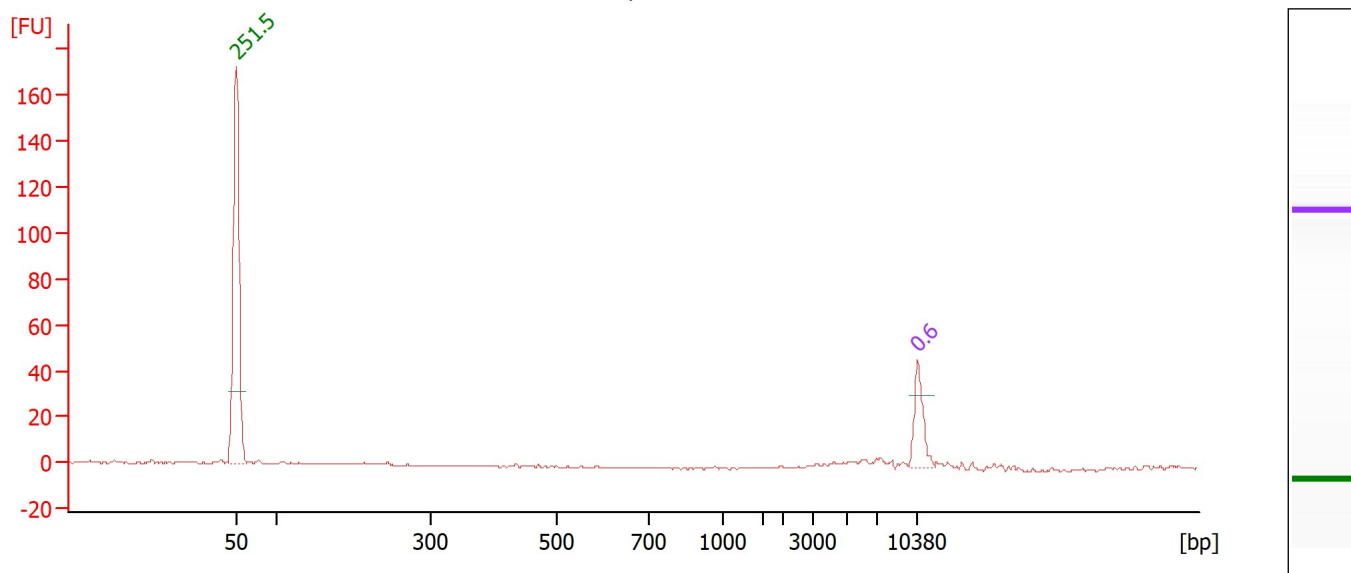
Peak table for sample 8 : Sample 8

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	►	10,380	4.20	0.6	Upper Marker

Assay Class: DNA 7500   Created: 8/16/2021 2:54:32 PM
Data Path: C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad   Modified: 8/16/2021 3:34:52 PM

Electropherogram Summary Continued ...
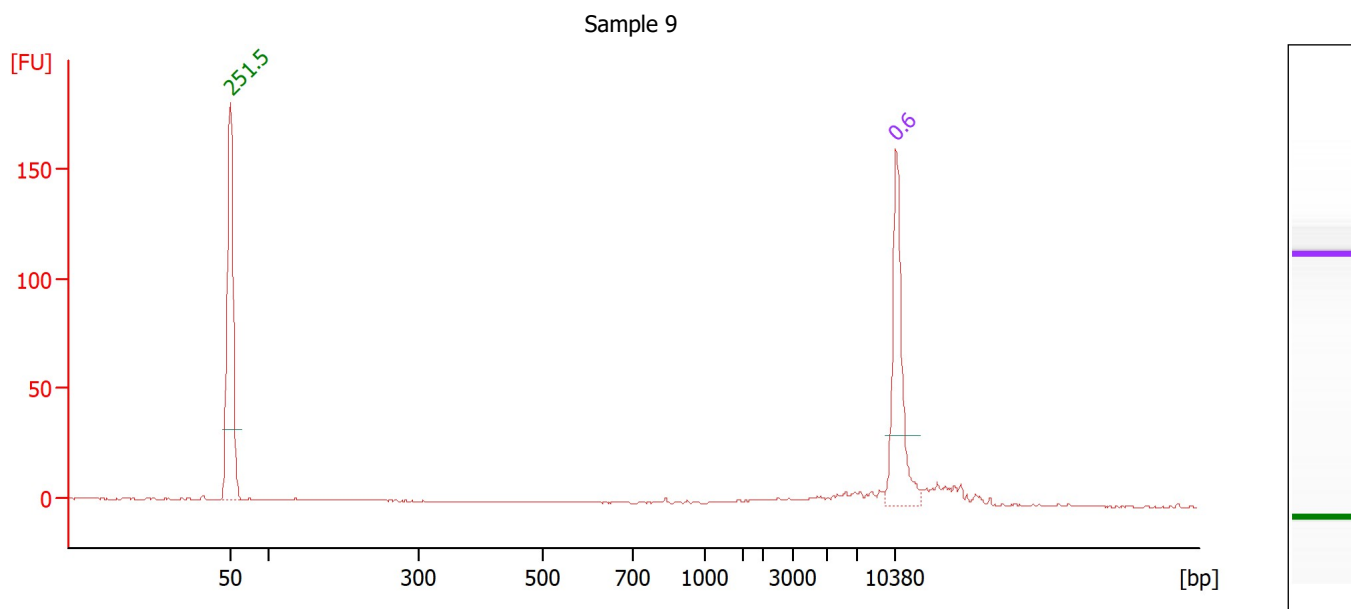
Sample 9

Overall Results for sample 9 :   Sample 9

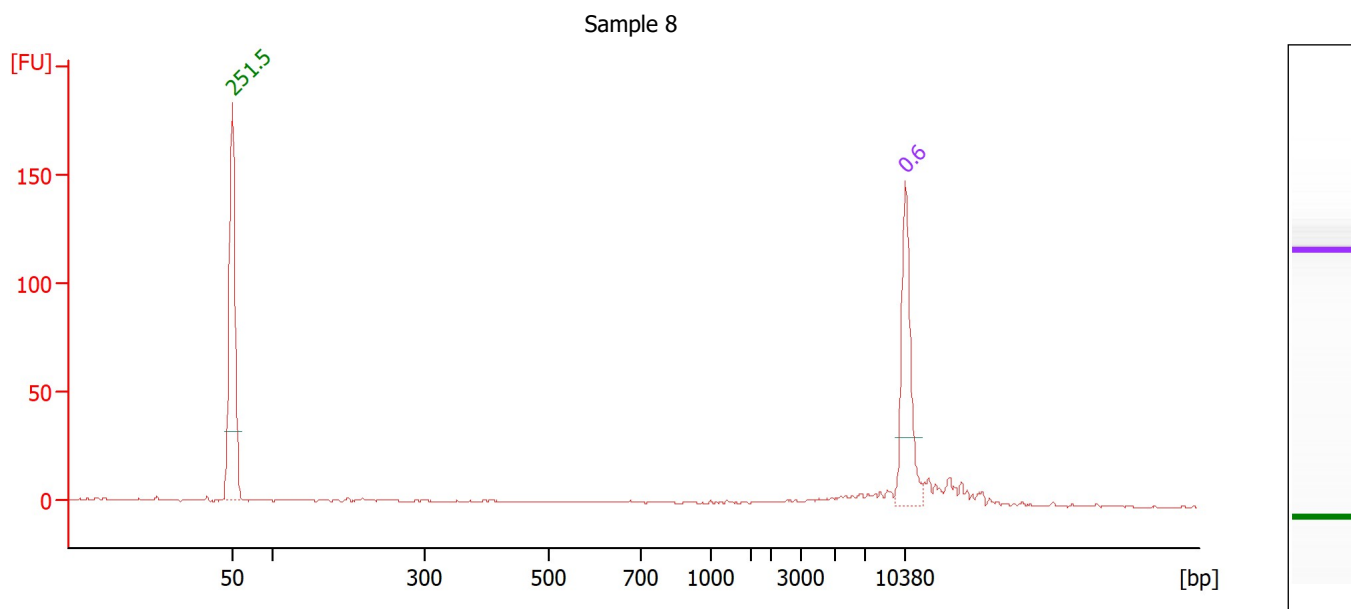Number of peaks found: 0

Peak table for sample 9 :   Sample 9

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Electropherogram Summary Continued ...
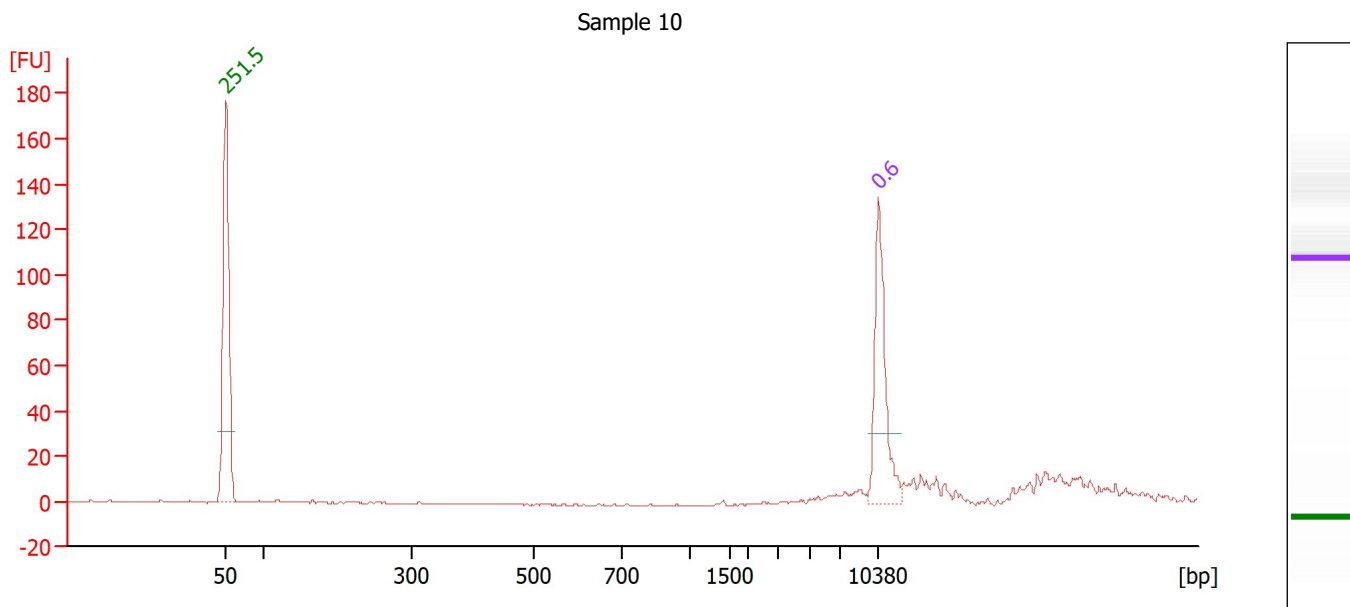
Sample 10

Overall Results for sample 10 :   Sample 10

Number of peaks found: 0

Peak table for sample 10 :   Sample 10

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Assay Class:　　　DNA 7500　　　　　　　　　　　　　　　　　　　　　　　Created:　　8/16/2021 2:54:32 PM
Data Path:　　　　C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad　　　Modified:　　8/16/2021 3:34:52 PM

Electropherogram Summary Continued ...
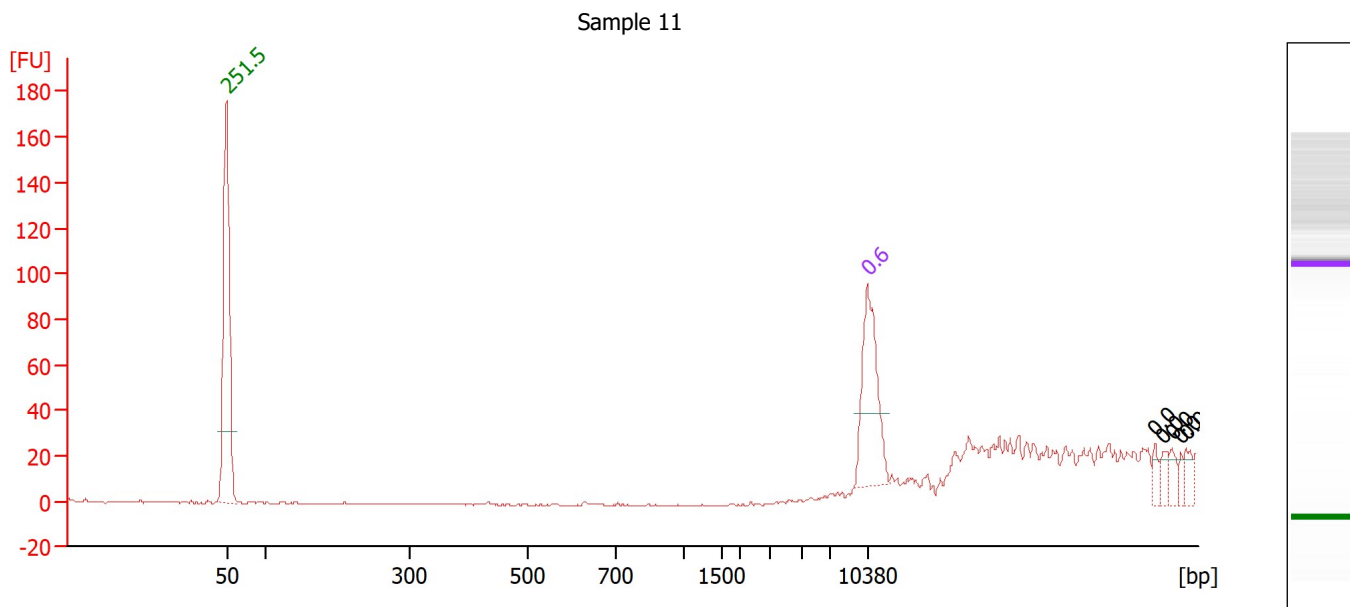
Sample 11

Overall Results for sample 11 : ___Sample 11___

Number of peaks found:　　　　　　0

Peak table for sample 11 : ___Sample 11___

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker
3		36,002	0.00	0.0	
4		36,752	0.00	0.0	
5		37,570	0.00	0.0	
6		38,388	0.00	0.0	
7		38,796	0.00	0.0	

Assay Class: DNA 7500   Created: 8/16/2021 2:54:32 PM
Data Path: C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad   Modified: 8/16/2021 3:34:52 PM

Electropherogram Summary Continued ...
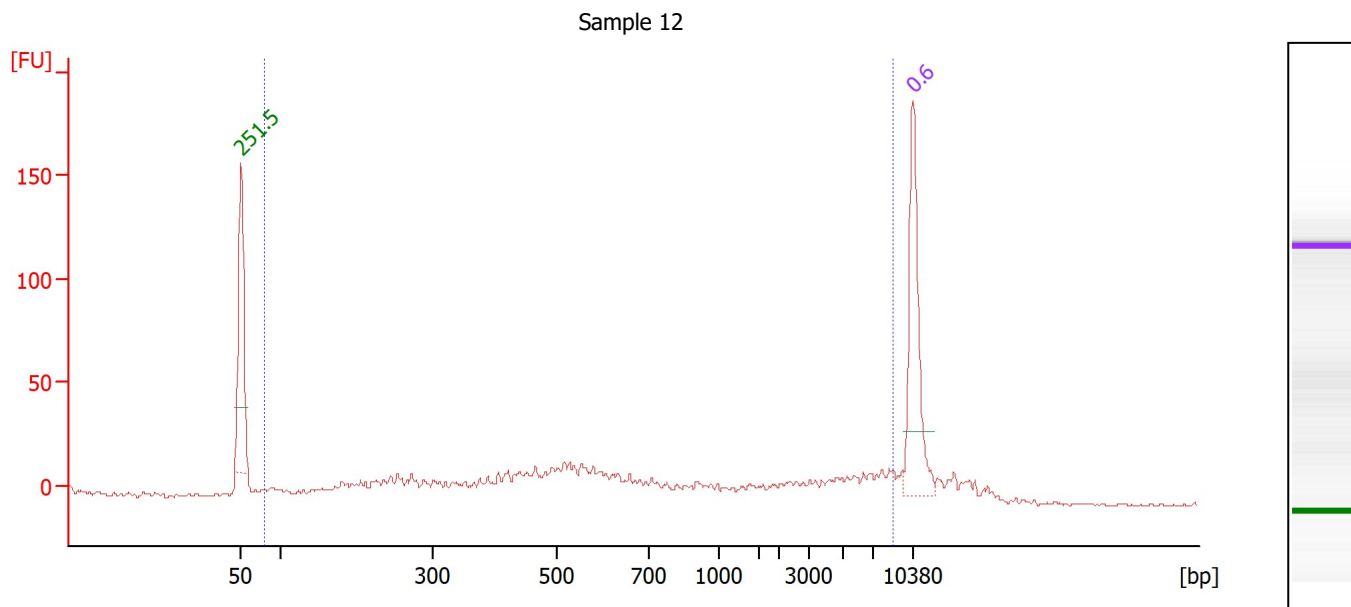
Sample 12

Overall Results for sample 12 :   Sample 12

Number of peaks found: 0   Area 1:   261.3

Peak table for sample 12 :   Sample 12

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	▶	10,380	4.20	0.6	Upper Marker

Region table for sample 12 :   Sample 12

From [bp]	To [bp]	Area	Average Size [bp]	% of Total	Size distribution in CV [%]	Conc. [ng/µl]	Color	Name	Molarity [nmol/l]
80	8,761	261.3	1,827	87	100.0	9.57	■	Region 1	27.4

Assay Class: DNA 7500
Data Path: C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad

Created: 8/16/2021 2:54:32 PM
Modified: 8/16/2021 3:34:52 PM

Gel Image
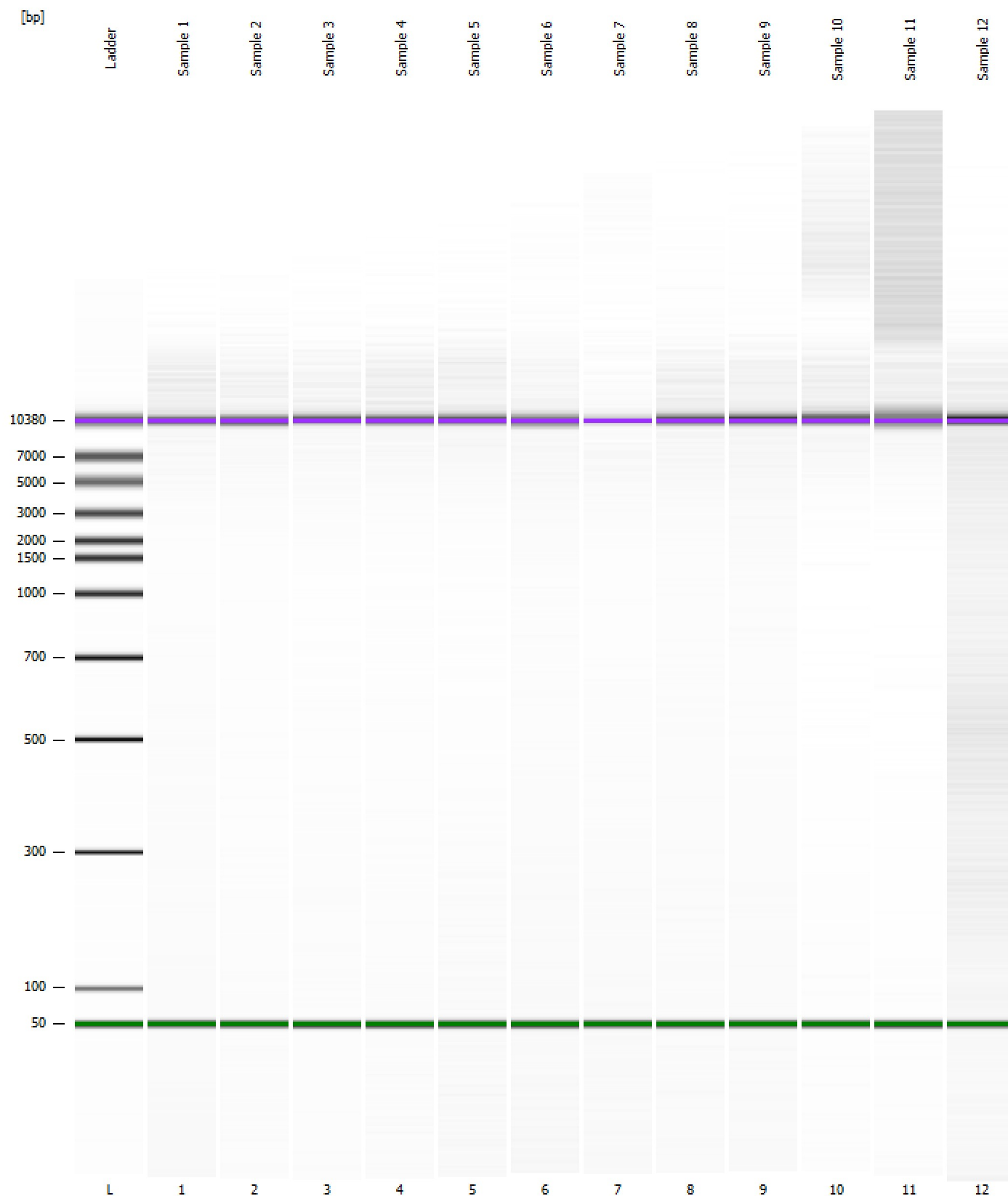
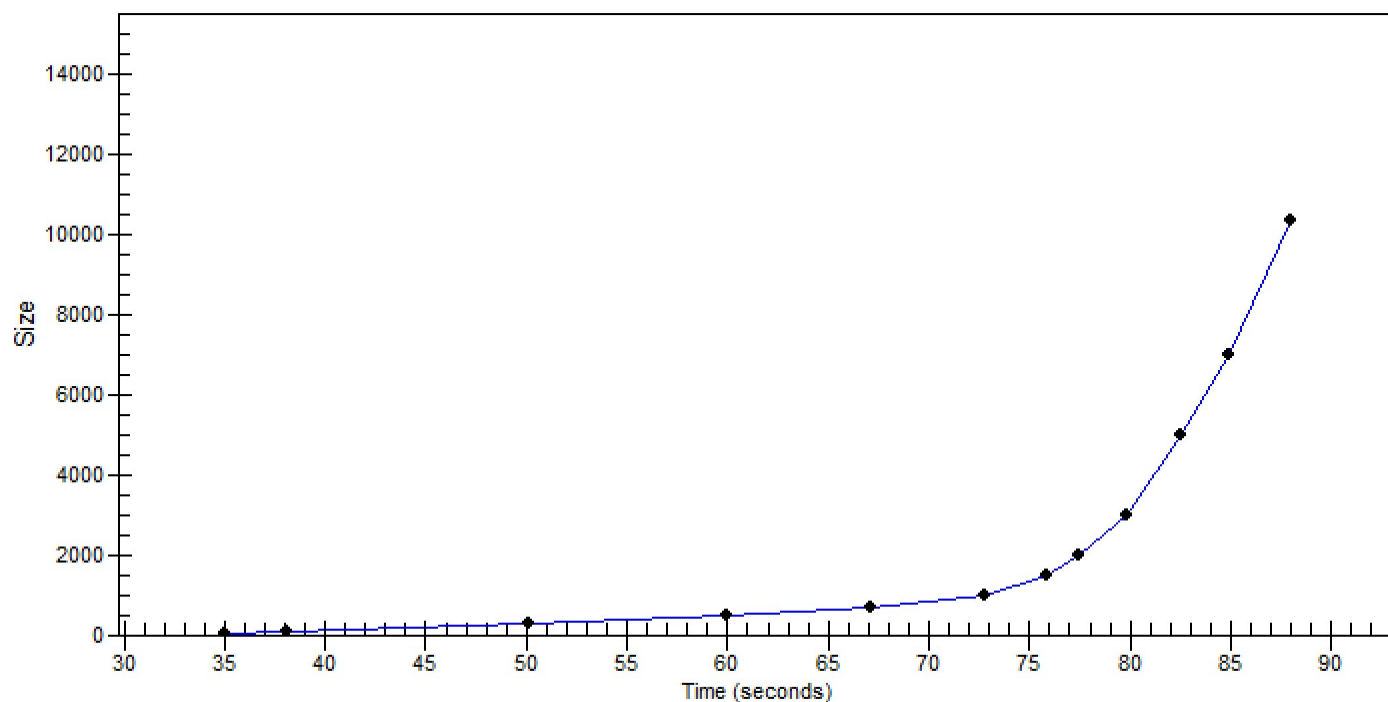Assay Class: DNA 7500   Created: 8/16/2021 2:54:32 PM
Data Path: C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad   Modified: 8/16/2021 3:34:52 PM

Curves

Standard Curve

Assay Class:	DNA 7500						Created:	8/16/2021 2:54:32 PM
Data Path:	C:\...ant\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad						Modified:	8/16/2021 3:34:52 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 3 (Number of wells acquired: 13)		Instrument	Run		8/16/2021 3:28:35 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Run started on port 3 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2021-08-16\2100 expert_DNA 7500_DE13804176_2021-08-16_14-54-32.xad)		Instrument	Run		8/16/2021 2:54:38 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Product Number : G2939A		Instrument	Run		8/16/2021 2:54:38 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Name : 4170_bioanalyzer		Instrument	Run		8/16/2021 2:54:38 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Vendor : Agilent Technologies		Instrument	Run		8/16/2021 2:54:38 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Serial# : DE13804176		Instrument	Run		8/16/2021 2:54:38 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Firmware : C.01.069		Instrument	Run		8/16/2021 2:54:38 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C
Cartridge : Electrode		Instrument	Run		8/16/2021 2:54:38 PM	(GMT --07:00) Pacific Standard Time	Bioanalyzer	BIOANALYZERP C