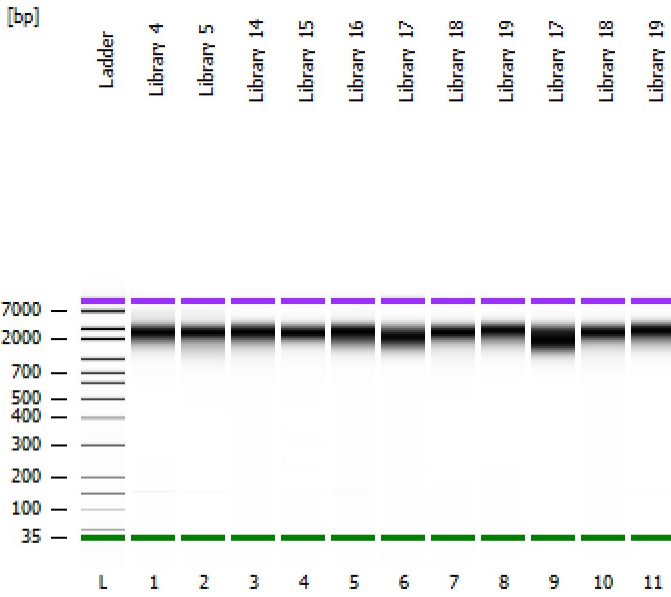


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
Modified: 12/12/2019 2:01:27 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

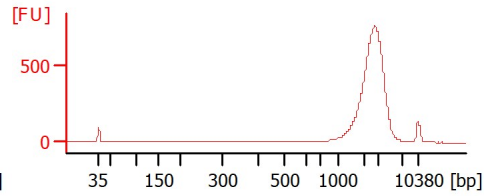
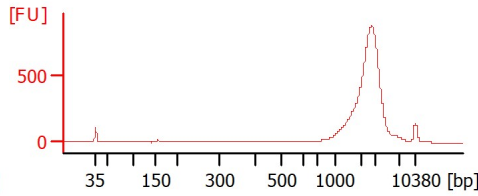
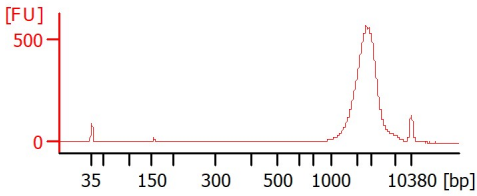
Chip Information:

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

Library 4

Library 5

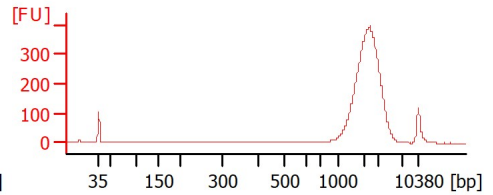
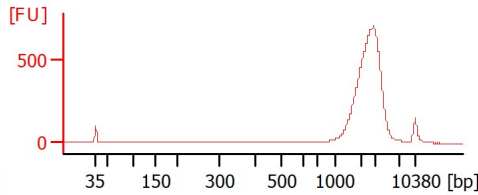
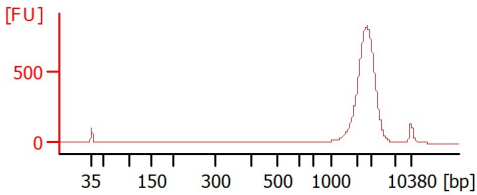
Library 14



Library 15

Library 16

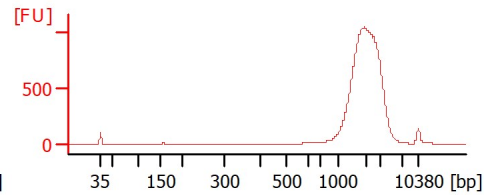
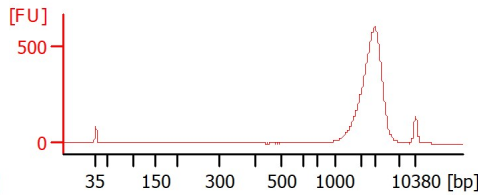
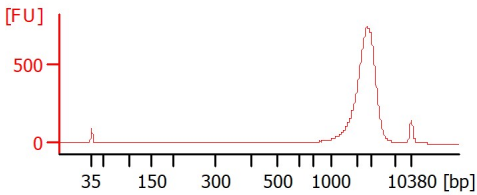
Library 17



Library 18

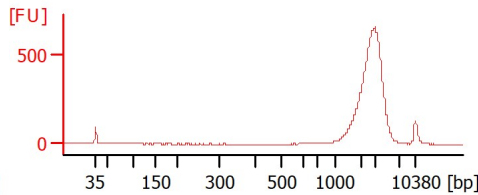
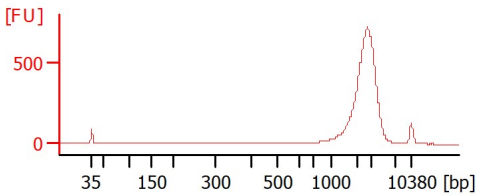
Library 19

Library 17



Library 18

Library 19



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Library 4		<input type="checkbox"/>	✓			
Library 5		<input type="checkbox"/>	✓			
Library 14		<input type="checkbox"/>	✓			
Library 15		<input type="checkbox"/>	✓			
Library 16		<input type="checkbox"/>	✓			
Library 17		<input type="checkbox"/>	✓			
Library 18		<input type="checkbox"/>	✓			
Library 19		<input type="checkbox"/>	✓			
Library 17		<input type="checkbox"/>	✓			
Library 18		<input type="checkbox"/>	✓			
Library 19		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 32
 Maximum Visible Range [s] : 138
 Start Analysis Time Range [s] : 33
 End Analysis Time Range [s] : 137.5
 Ladder Concentration [pg/μl] : 1950
 Uses Standard Area for Ladder Fragments
 Lower Marker Concentration [pg/μl] : 125
 Upper Marker Concentration [pg/μl] : 75
 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] : 33.05
 Integration End Time [s] : 137
 Slope Threshold : 0.8
 Height Threshold [FU] : 5
 Area Threshold : 0.1
 Width Threshold [s] : 0.6
 Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

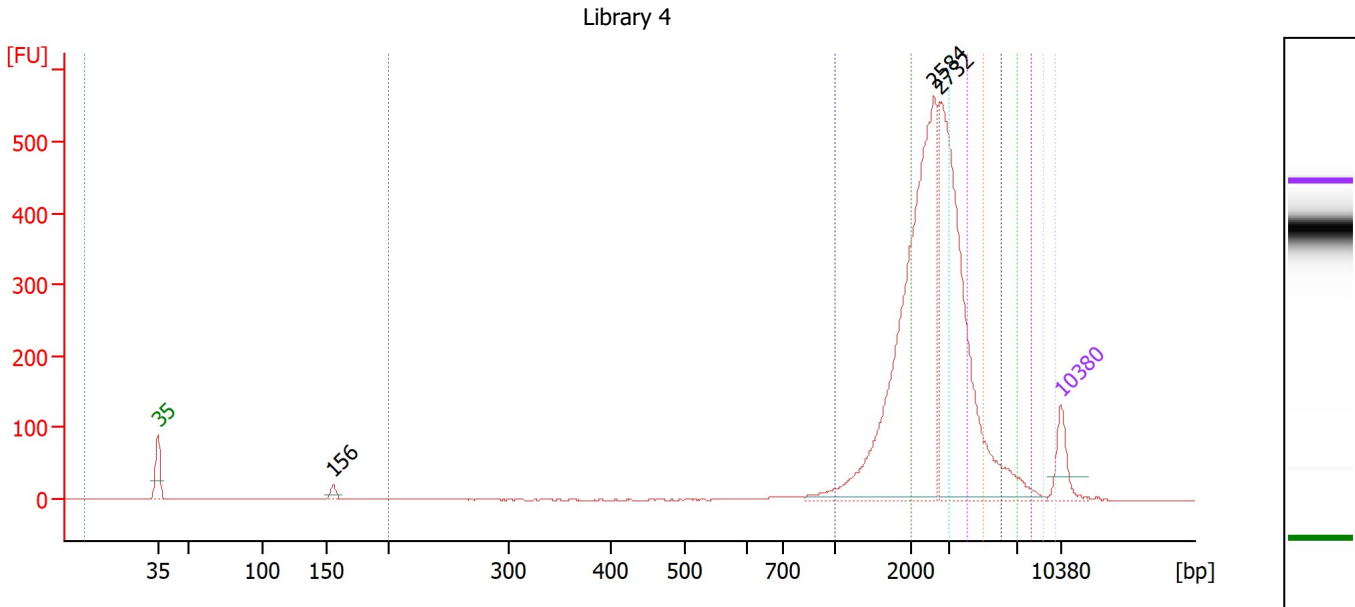
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary



Overall Results for sample 1 : Library 4

Number of peaks found:	3	Corr. Area 6:	80.1
Noise:	0.3	Corr. Area 7:	49.3
Corr. Area 1:	44.0	Corr. Area 8:	23.0
Corr. Area 2:	695.8	Corr. Area 9:	10.4
Corr. Area 3:	1,484.1	Corr. Area 10:	1.6
Corr. Area 4:	489.7	Corr. Area 11:	0.0
Corr. Area 5:	193.7		

Peak table for sample 1 : Library 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	156	23.60	229.8	
3	2,584	1,164.07	682.5	
4	2,732	900.09	499.2	
5	10,380	75.00	10.9	Upper Marker

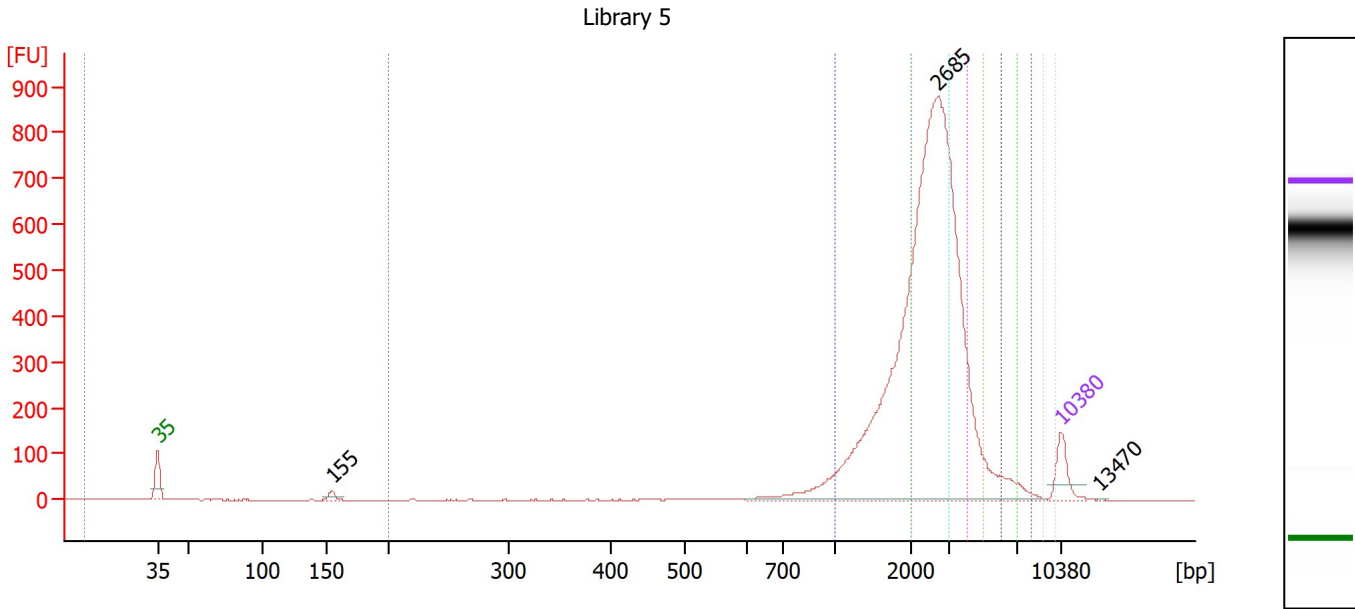
Region table for sample 1 : Library 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	44.0	1	818	17.2	36.38	71.2	Blue
1,000	2,000	695.8	22	1,723	13.2	491.32	432.0	Green
2,000	3,000	1,484.1	48	2,508	11.3	1,016.57	614.0	Cyan
3,000	4,000	489.7	16	3,396	8.6	336.90	150.3	Magenta
4,000	5,000	193.7	6	4,371	6.7	134.23	46.5	Orange
5,000	6,000	80.1	3	5,423	5.6	55.95	15.6	Black
6,000	7,000	49.3	2	6,434	4.4	34.67	8.2	Dark Green
7,000	8,000	23.0	1	7,375	4.0	16.12	3.3	Bright Green
8,000	9,000	10.4	0	8,341	3.4	7.12	1.3	Purple
9,000	10,000	1.6	0	9,666	3.0	1.08	0.2	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Library 5

Number of peaks found:	3	Corr. Area 6:	80.8
Noise:	0.2	Corr. Area 7:	55.9
Corr. Area 1:	160.4	Corr. Area 8:	25.7
Corr. Area 2:	1,249.0	Corr. Area 9:	10.0
Corr. Area 3:	2,253.8	Corr. Area 10:	1.7
Corr. Area 4:	678.2	Corr. Area 11:	0.0
Corr. Area 5:	239.7		

Peak table for sample 2 : Library 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	155	23.30	228.3	
3	2,685	2,658.93	1,500.4	
4	10,380	75.00	10.9	Upper Marker
5	13,470	0.00	0.0	

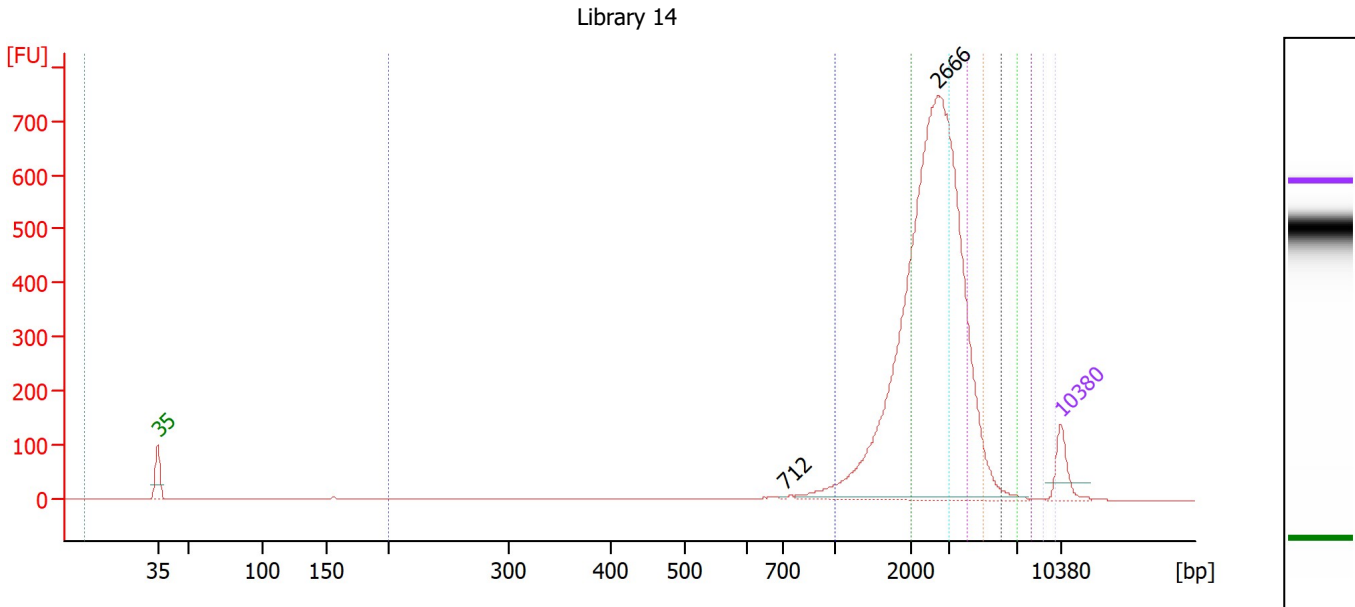
Region table for sample 2 : Library 5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	160.4	3	796	22.1	111.29	237.0	Blue
1,000	2,000	1,249.0	26	1,651	16.0	738.88	678.0	Green
2,000	3,000	2,253.8	47	2,520	11.1	1,282.55	771.0	Red
3,000	4,000	678.2	14	3,389	8.4	387.63	173.3	Cyan
4,000	5,000	239.7	5	4,350	6.7	137.94	48.1	Magenta
5,000	6,000	80.8	2	5,419	5.5	46.89	13.1	Orange
6,000	7,000	55.9	1	6,426	4.5	32.64	7.7	Black
7,000	8,000	25.7	1	7,368	4.0	14.96	3.1	Yellow
8,000	9,000	10.0	0	8,347	3.4	5.69	1.0	Purple
9,000	10,000	1.7	0	9,698	2.7	0.93	0.1	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Library 14

Number of peaks found:	2	Corr. Area 6:	59.4
Noise:	0.3	Corr. Area 7:	17.0
Corr. Area 1:	98.9	Corr. Area 8:	5.8
Corr. Area 2:	934.1	Corr. Area 9:	2.8
Corr. Area 3:	1,951.2	Corr. Area 10:	0.2
Corr. Area 4:	678.3	Corr. Area 11:	0.0
Corr. Area 5:	269.6		

Peak table for sample 3 : Library 14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	712	3.16	6.7	
3	2,666	2,306.21	1,310.7	
4	10,380	75.00	10.9	Upper Marker

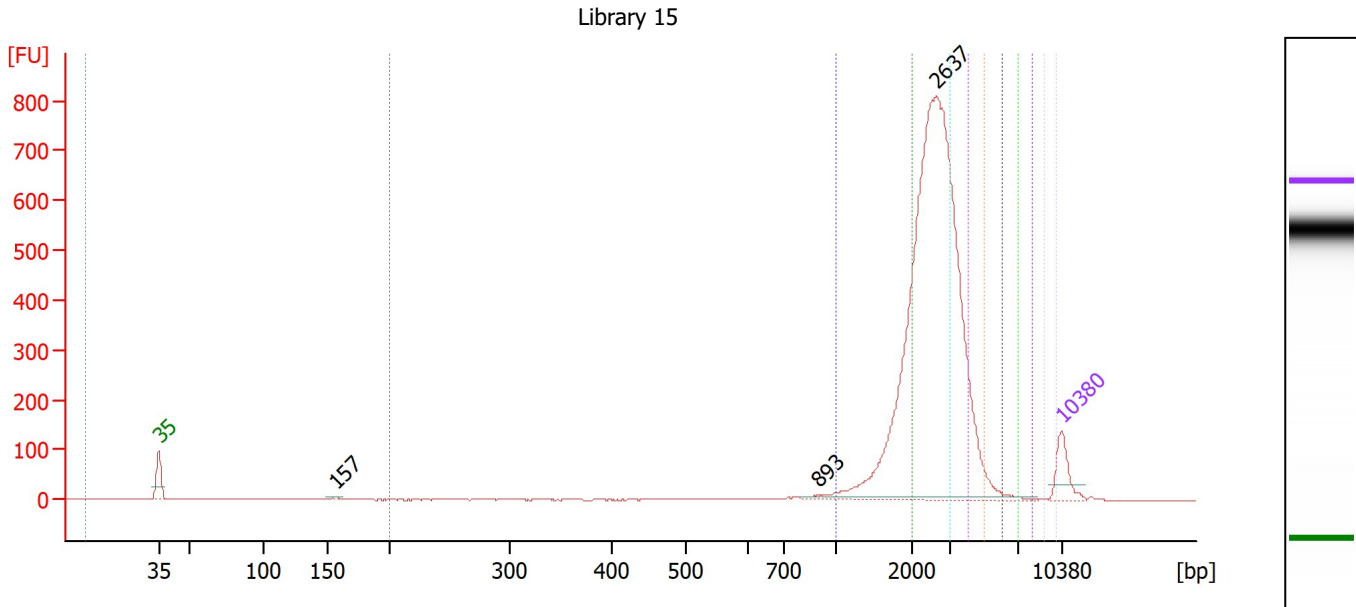
Region table for sample 3 : Library 14

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	
200	1,000	98.9	2	764	24.7	71.56	163.0	
1,000	2,000	934.1	23	1,707	14.1	565.71	502.0	
2,000	3,000	1,951.2	48	2,522	11.2	1,144.30	687.5	
3,000	4,000	678.3	17	3,422	8.6	399.60	176.9	
4,000	5,000	269.6	7	4,367	6.5	159.96	55.5	
5,000	6,000	59.4	1	5,336	5.1	35.48	10.1	
6,000	7,000	17.0	0	6,369	4.7	10.23	2.4	
7,000	8,000	5.8	0	7,360	4.0	3.47	0.7	
8,000	9,000	2.8	0	8,388	3.5	1.62	0.3	
9,000	10,000	0.2	0	9,786	2.2	0.12	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Library 15

Number of peaks found:	3	Corr. Area 6:	40.5
Noise:	0.2	Corr. Area 7:	13.3
Corr. Area 1:	72.2	Corr. Area 8:	4.9
Corr. Area 2:	651.4	Corr. Area 9:	2.2
Corr. Area 3:	2,083.3	Corr. Area 10:	0.5
Corr. Area 4:	588.9	Corr. Area 11:	0.0
Corr. Area 5:	199.7		

Peak table for sample 4 : Library 15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	7.79	75.4	
3	893	8.04	13.6	
4	2,637	2,088.10	1,200.0	
5	10,380	75.00	10.9	Upper Marker

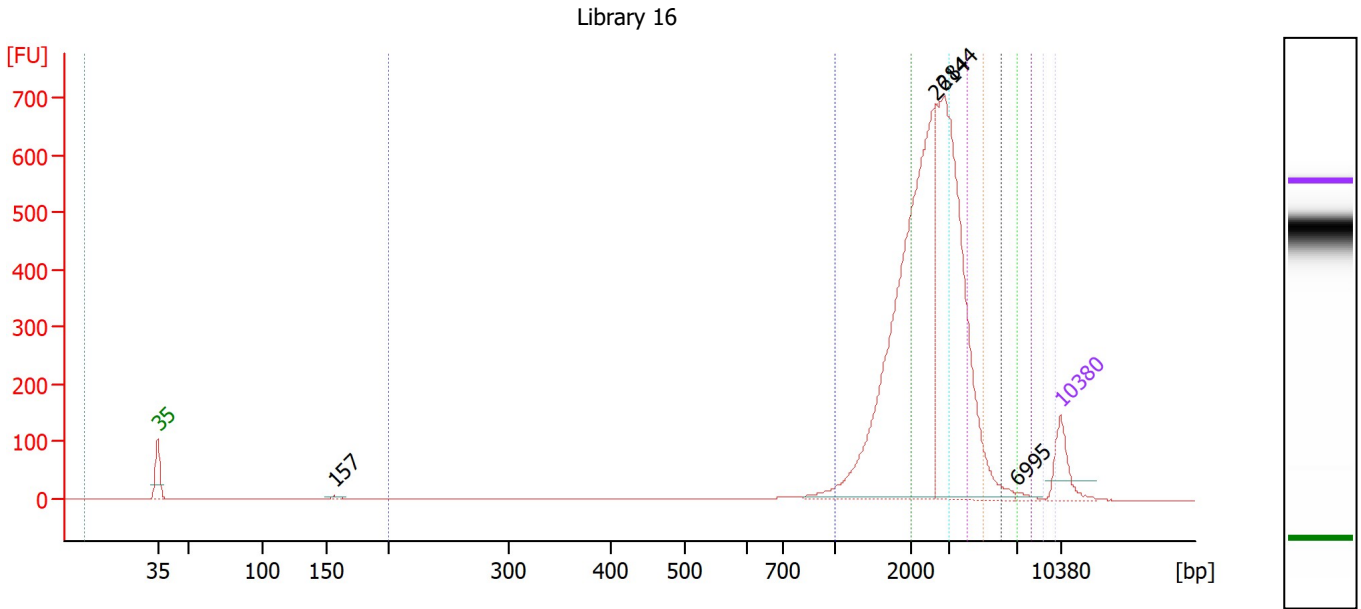
Region table for sample 4 : Library 15

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	72.2	2	711	29.2	53.24	136.5	Blue
1,000	2,000	651.4	18	1,754	12.7	391.51	338.2	Green
2,000	3,000	2,083.3	57	2,513	11.1	1,219.04	735.0	Cyan
3,000	4,000	588.9	16	3,382	8.4	346.06	155.0	Magenta
4,000	5,000	199.7	5	4,324	6.6	118.18	41.4	Orange
5,000	6,000	40.5	1	5,340	5.3	24.16	6.9	Black
6,000	7,000	13.3	0	6,399	4.7	8.00	1.9	Dark Blue
7,000	8,000	4.9	0	7,396	4.0	2.95	0.6	Red
8,000	9,000	2.2	0	8,426	3.6	1.28	0.2	Purple
9,000	10,000	0.5	0	9,785	2.1	0.30	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Library 16

Number of peaks found:	4	Corr. Area 6:	62.4
Noise:	0.2	Corr. Area 7:	23.4
Corr. Area 1:	75.4	Corr. Area 8:	10.8
Corr. Area 2:	1,122.1	Corr. Area 9:	4.4
Corr. Area 3:	1,875.0	Corr. Area 10:	0.3
Corr. Area 4:	657.6	Corr. Area 11:	0.0
Corr. Area 5:	241.8		

Peak table for sample 5 : Library 16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	7.74	74.9	
3	2,614	1,169.45	677.9	
4	2,844	883.18	470.5	
5	6,995	8.44	1.8	
6	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : Library 16

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	75.4	2	721	31.8	49.61	135.3	Blue
1,000	2,000	1,122.1	27	1,709	13.2	600.63	532.5	Dark Blue
2,000	3,000	1,875.0	46	2,508	11.5	972.01	587.1	Green
3,000	4,000	657.6	16	3,413	8.6	342.47	152.0	Cyan
4,000	5,000	241.8	6	4,347	6.3	126.77	44.2	Magenta
5,000	6,000	62.4	2	5,329	5.5	32.93	9.4	Orange
6,000	7,000	23.4	1	6,391	4.7	12.44	2.9	Black
7,000	8,000	10.8	0	7,397	4.1	5.71	1.2	Red
8,000	9,000	4.4	0	8,344	3.3	2.28	0.4	Purple

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...

... Region table for sample 5 :

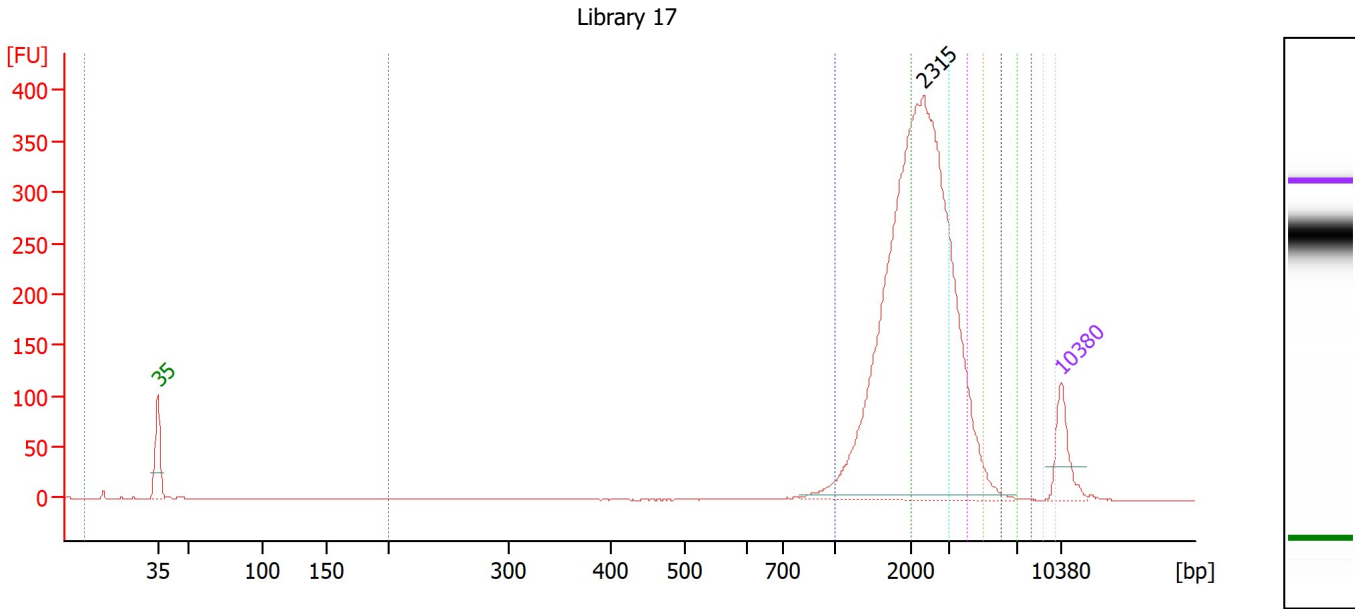
Library 16

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
9,000	10,000	0.3	0	9,760	2.0	0.17	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Library 17

Number of peaks found:	1	Corr. Area 6:	21.4
Noise:	0.2	Corr. Area 7:	4.9
Corr. Area 1:	27.3	Corr. Area 8:	1.1
Corr. Area 2:	949.5	Corr. Area 9:	0.3
Corr. Area 3:	1,032.2	Corr. Area 10:	0.0
Corr. Area 4:	233.9	Corr. Area 11:	0.0
Corr. Area 5:	88.9		

Peak table for sample 6 : Library 17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,315	1,620.44	1,060.4	
3	10,380	75.00	10.9	Upper Marker

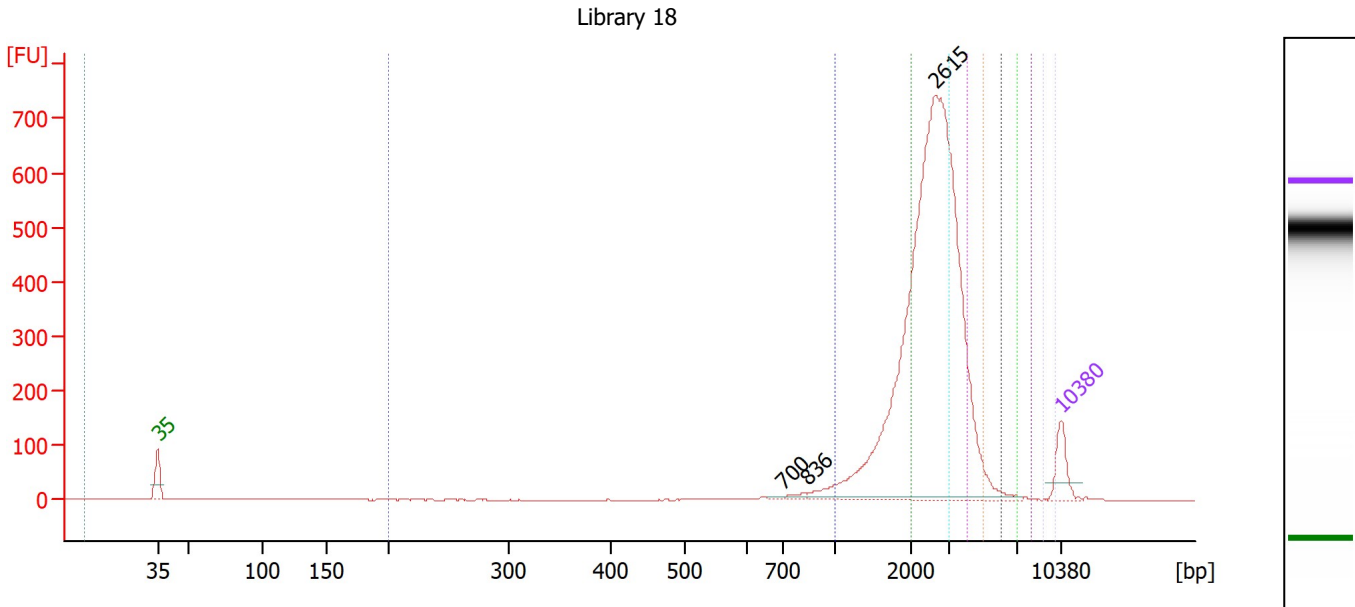
Region table for sample 6 : Library 17

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	27.3	1	893	10.2	22.28	38.1	Blue
1,000	2,000	949.5	40	1,697	13.6	681.38	608.4	Dark Blue
2,000	3,000	1,032.2	44	2,459	11.6	716.21	441.3	Green
3,000	4,000	233.9	10	3,402	8.5	163.05	72.6	Cyan
4,000	5,000	88.9	4	4,345	6.5	62.43	21.8	Magenta
5,000	6,000	21.4	1	5,313	5.3	15.10	4.3	Orange
6,000	7,000	4.9	0	6,344	4.6	3.48	0.8	Black
7,000	8,000	1.1	0	7,440	4.5	0.76	0.2	Red
8,000	9,000	0.3	0	8,088	1.9	0.20	0.0	Purple
9,000	10,000	0.0	0	9,796	1.5	0.00	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Library 18

Number of peaks found:	3	Corr. Area 6:	39.8
Noise:	0.2	Corr. Area 7:	13.9
Corr. Area 1:	86.5	Corr. Area 8:	4.9
Corr. Area 2:	764.5	Corr. Area 9:	1.9
Corr. Area 3:	1,859.6	Corr. Area 10:	0.2
Corr. Area 4:	597.6	Corr. Area 11:	0.0
Corr. Area 5:	180.8		

Peak table for sample 7 : Library 18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	700	6.78	14.7	
3	836	13.92	25.2	
4	2,615	2,214.96	1,283.3	
5	10,380	75.00	10.9	Upper Marker

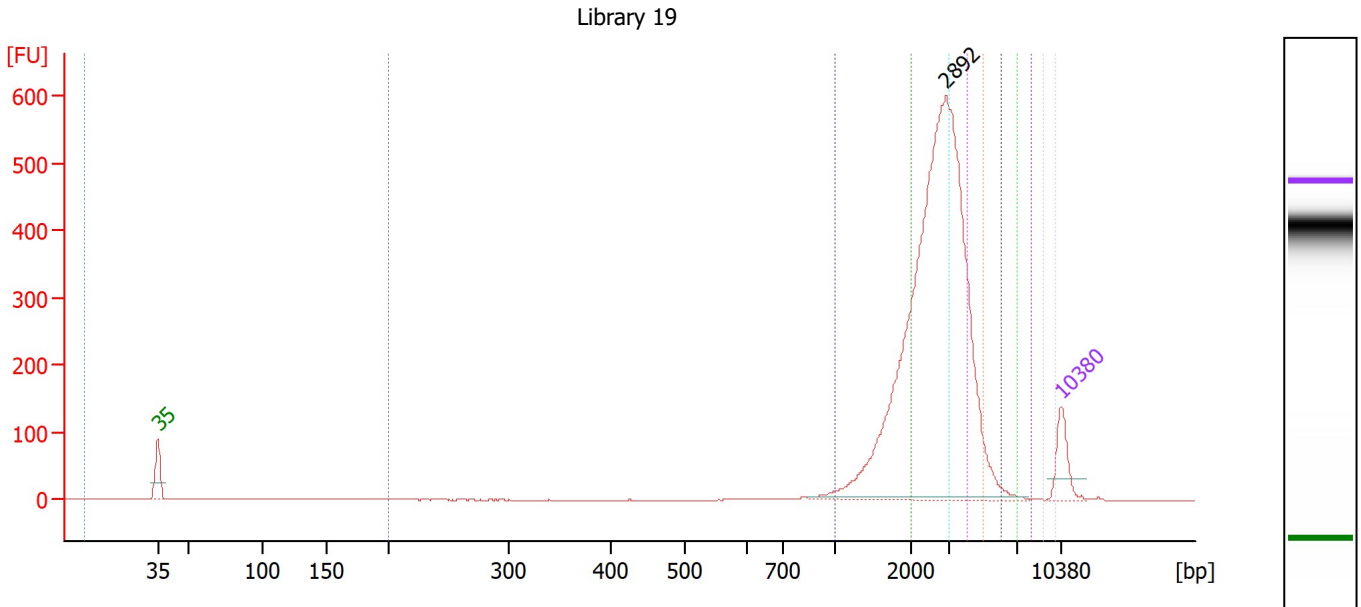
Region table for sample 7 : Library 18

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	86.5	2	806	17.2	66.69	130.2	Blue
1,000	2,000	764.5	21	1,705	14.6	503.57	447.5	Green
2,000	3,000	1,859.6	52	2,526	11.1	1,185.83	711.4	Cyan
3,000	4,000	597.6	17	3,399	8.6	382.72	170.6	Magenta
4,000	5,000	180.8	5	4,337	6.3	116.58	40.7	Black
5,000	6,000	39.8	1	5,326	5.5	25.88	7.4	Red
6,000	7,000	13.9	0	6,397	4.7	9.07	2.1	White
7,000	8,000	4.9	0	7,388	4.1	3.20	0.7	Yellow
8,000	9,000	1.9	0	8,314	3.2	1.19	0.2	Purple
9,000	10,000	0.2	0	9,777	1.9	0.11	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Library 19

Number of peaks found:	1	Corr. Area 6:	55.6
Noise:	0.2	Corr. Area 7:	14.5
Corr. Area 1:	26.4	Corr. Area 8:	3.3
Corr. Area 2:	578.5	Corr. Area 9:	1.5
Corr. Area 3:	1,382.1	Corr. Area 10:	0.1
Corr. Area 4:	599.3	Corr. Area 11:	0.0
Corr. Area 5:	262.8		

Peak table for sample 8 : Library 19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,892	1,817.59	952.2	
3	10,380	75.00	10.9	Upper Marker

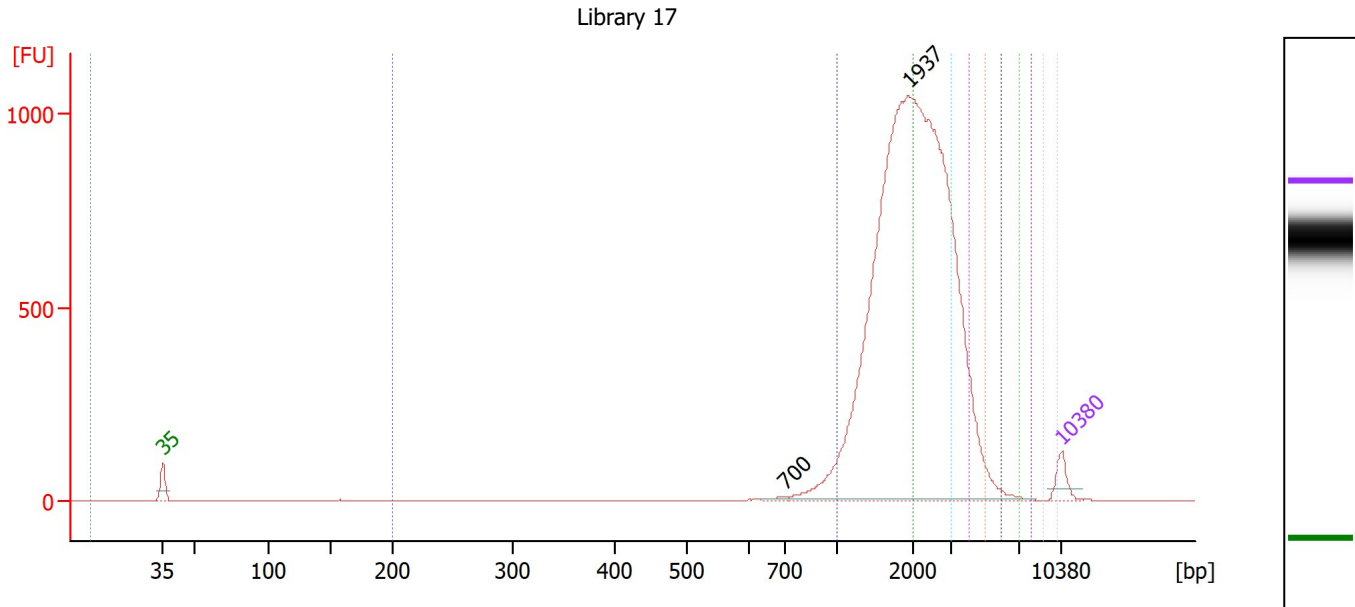
Region table for sample 8 : Library 19

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	26.4	1	863	13.4	19.77	35.4	Blue
1,000	2,000	578.5	20	1,714	13.3	376.16	332.4	Dark Blue
2,000	3,000	1,382.1	47	2,544	11.2	870.95	518.7	Green
3,000	4,000	599.3	20	3,414	8.4	379.31	168.3	Cyan
4,000	5,000	262.8	9	4,342	6.7	167.48	58.4	Magenta
5,000	6,000	55.6	2	5,339	5.2	35.69	10.1	Orange
6,000	7,000	14.5	0	6,351	4.7	9.39	2.2	Black
7,000	8,000	3.3	0	7,352	3.7	2.14	0.4	Red
8,000	9,000	1.5	0	8,366	3.7	0.95	0.2	Purple
9,000	10,000	0.1	0	9,788	1.7	0.09	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Library 17

Number of peaks found:	2	Corr. Area 6:	67.1
Noise:	0.3	Corr. Area 7:	21.3
Corr. Area 1:	172.7	Corr. Area 8:	6.5
Corr. Area 2:	3,645.4	Corr. Area 9:	2.2
Corr. Area 3:	2,704.3	Corr. Area 10:	0.4
Corr. Area 4:	702.6	Corr. Area 11:	0.0
Corr. Area 5:	264.5		

Peak table for sample 9 : Library 17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	700	14.60	31.6	
3	1,937	5,420.54	4,239.2	
4	10,380	75.00	10.9	Upper Marker

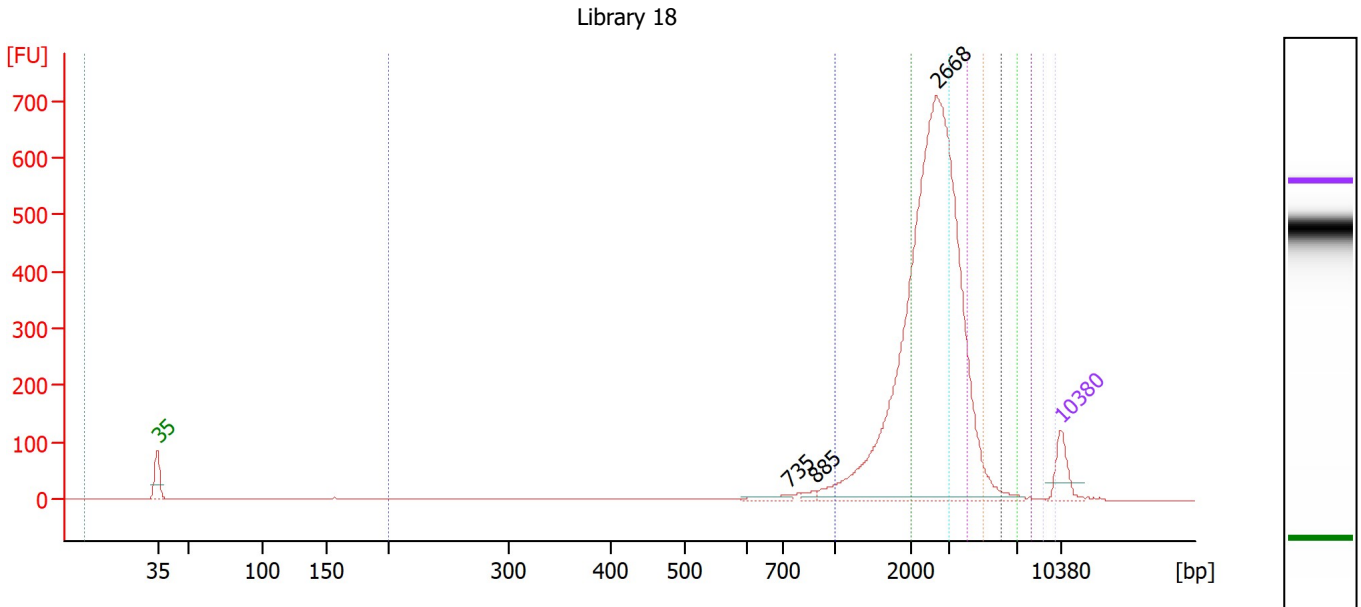
Region table for sample 9 : Library 17

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	
200	1,000	172.7	2	868	13.4	145.56	259.7	
1,000	2,000	3,645.4	48	1,653	14.6	2,694.93	2,470.9	
2,000	3,000	2,704.3	36	2,463	11.7	1,922.98	1,182.9	
3,000	4,000	702.6	9	3,389	8.6	501.86	224.4	
4,000	5,000	264.5	3	4,332	6.5	190.24	66.5	
5,000	6,000	67.1	1	5,325	5.4	48.59	13.8	
6,000	7,000	21.3	0	6,368	4.8	15.56	3.7	
7,000	8,000	6.5	0	7,375	4.0	4.75	1.0	
8,000	9,000	2.2	0	8,331	3.6	1.56	0.3	
9,000	10,000	0.4	0	9,749	1.9	0.28	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Library 18

Number of peaks found:	3	Corr. Area 6:	40.5
Noise:	0.3	Corr. Area 7:	13.7
Corr. Area 1:	88.3	Corr. Area 8:	4.8
Corr. Area 2:	742.0	Corr. Area 9:	1.9
Corr. Area 3:	1,753.1	Corr. Area 10:	0.1
Corr. Area 4:	572.7	Corr. Area 11:	0.0
Corr. Area 5:	191.5		

Peak table for sample 10 : Library 18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	735	21.49	44.3	
3	885	14.84	25.4	
4	2,668	2,314.61	1,314.5	
5	10,380	75.00	10.9	Upper Marker

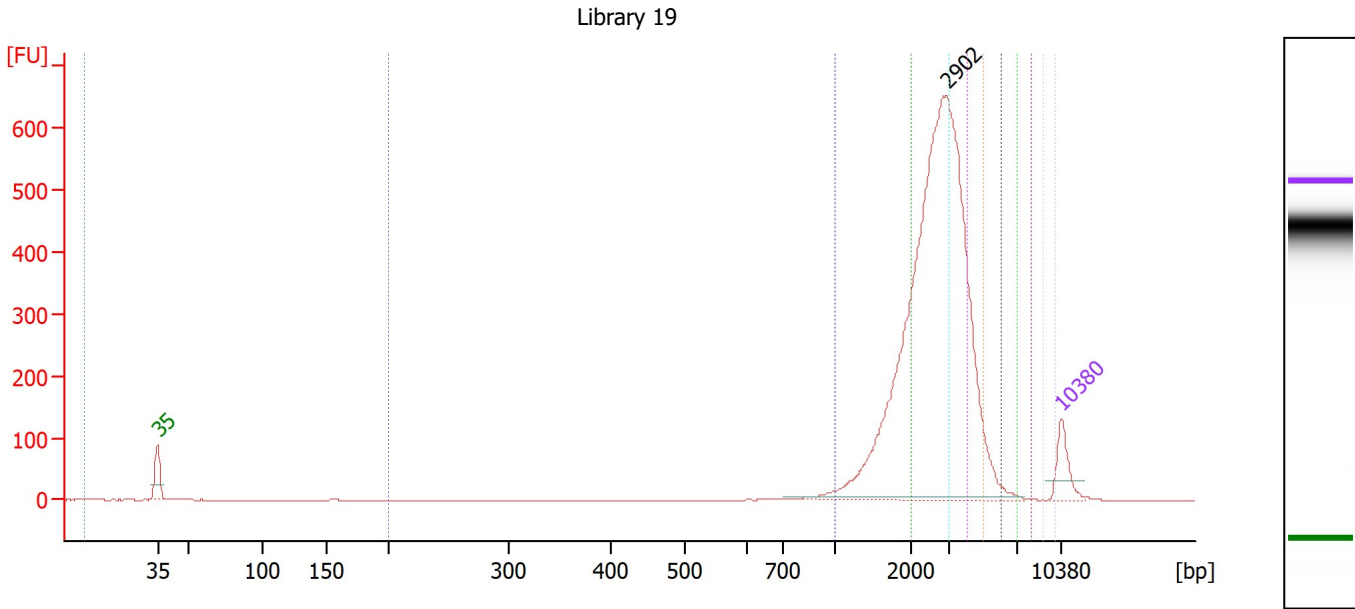
Region table for sample 10 : Library 18

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
0	200	88.3	3	804	17.9	74.26	146.3	Blue
200	1,000	742.0	22	1,702	14.5	533.07	474.7	Green
1,000	2,000	1,753.1	51	2,515	11.1	1,218.72	734.3	Red
2,000	3,000	572.7	17	3,379	8.6	399.85	179.3	Cyan
3,000	4,000	191.5	6	4,319	6.5	134.61	47.2	Magenta
4,000	5,000	40.5	1	5,331	5.4	28.71	8.2	Orange
5,000	6,000	13.7	0	6,411	4.7	9.75	2.3	Black
6,000	7,000	4.8	0	7,359	4.2	3.45	0.7	Yellow
7,000	8,000	1.9	0	8,304	3.5	1.31	0.2	Purple
8,000	9,000	0.1	0	9,761	1.9	0.10	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Library 19

Number of peaks found:	1	Corr. Area 6:	75.2
Noise:	0.2	Corr. Area 7:	16.9
Corr. Area 1:	31.2	Corr. Area 8:	4.1
Corr. Area 2:	657.9	Corr. Area 9:	1.4
Corr. Area 3:	1,522.4	Corr. Area 10:	0.2
Corr. Area 4:	676.3	Corr. Area 11:	0.0
Corr. Area 5:	287.7		

Peak table for sample 11 : Library 19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,902	2,141.74	1,118.1	
3	10,380	75.00	10.9	Upper Marker

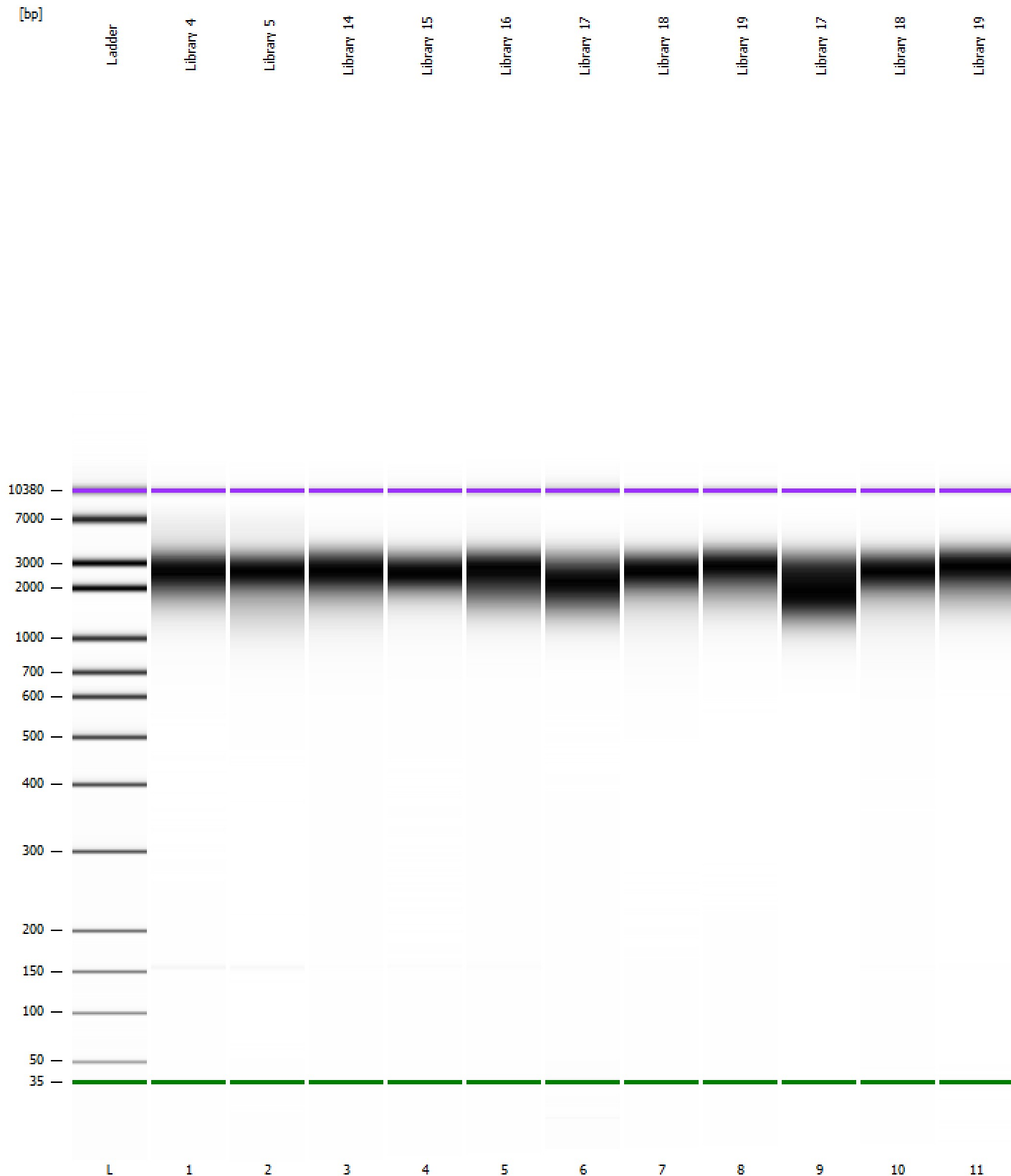
Region table for sample 11 : Library 19

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
0	0	0.0	0	0	0.0	0.00	0.0	Grey
200	1,000	31.2	1	852	14.2	24.74	45.1	Blue
1,000	2,000	657.9	20	1,710	13.4	452.01	400.6	Dark Blue
2,000	3,000	1,522.4	46	2,535	11.3	1,013.15	605.6	Green
3,000	4,000	676.3	21	3,422	8.7	452.12	200.2	Cyan
4,000	5,000	287.7	9	4,356	6.4	193.62	67.3	Magenta
5,000	6,000	75.2	2	5,311	5.3	50.95	14.5	Orange
6,000	7,000	16.9	1	6,355	4.8	11.57	2.8	Black
7,000	8,000	4.1	0	7,365	4.1	2.81	0.6	Red
8,000	9,000	1.4	0	8,355	3.6	0.93	0.2	Purple
9,000	10,000	0.2	0	9,820	1.9	0.10	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
Modified: 12/12/2019 2:01:27 PM

Gel Image

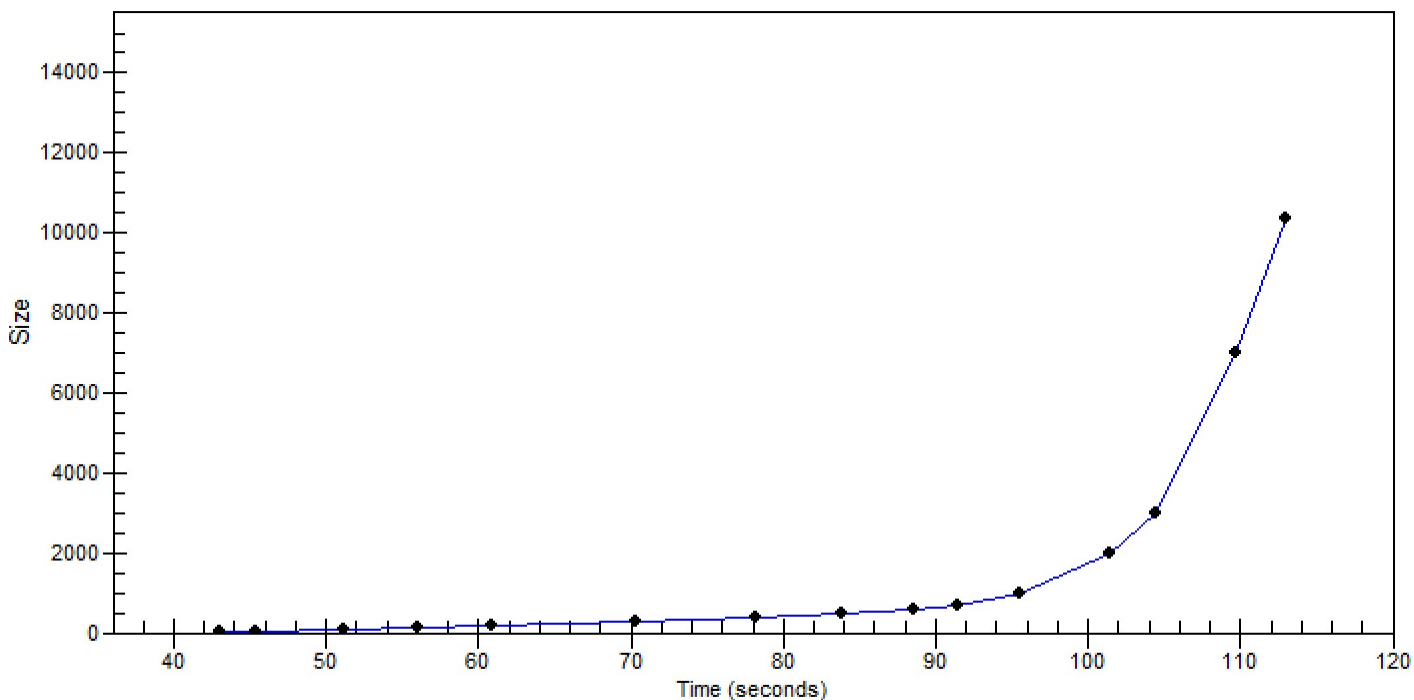


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
Modified: 12/12/2019 2:01:27 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...2\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad

Created: 12/12/2019 1:16:27 PM
 Modified: 12/12/2019 2:01:27 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/12/2019 1:56:57 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-12\Bioanalyzer_High Sensitivity DNA Assay_2019-12-12_002.xad)		Instrument	Run		12/12/2019 1:16:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/12/2019 1:16:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/12/2019 1:16:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/12/2019 1:16:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/12/2019 1:16:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/12/2019 1:16:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/12/2019 1:16:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB