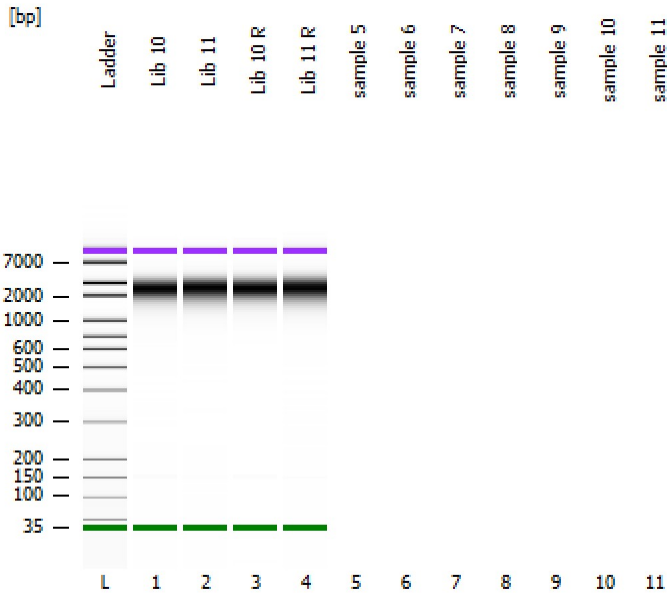


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
Modified: 3/5/2020 12:53:41 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

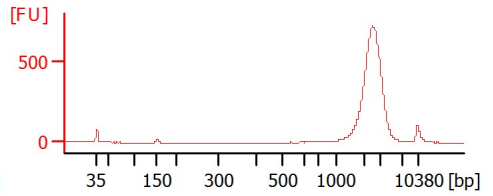
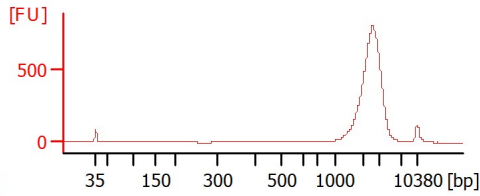
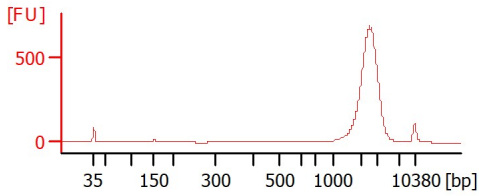
Chip Information:

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

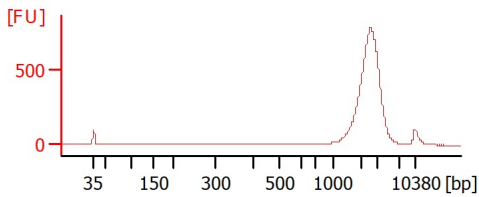
Lib 10

Lib 11

Lib 10 R



Lib 11 R



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Lib 10		<input type="checkbox"/>	✓			
Lib 11		<input type="checkbox"/>	✓			
Lib 10 R		<input type="checkbox"/>	✓			
Lib 11 R		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 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

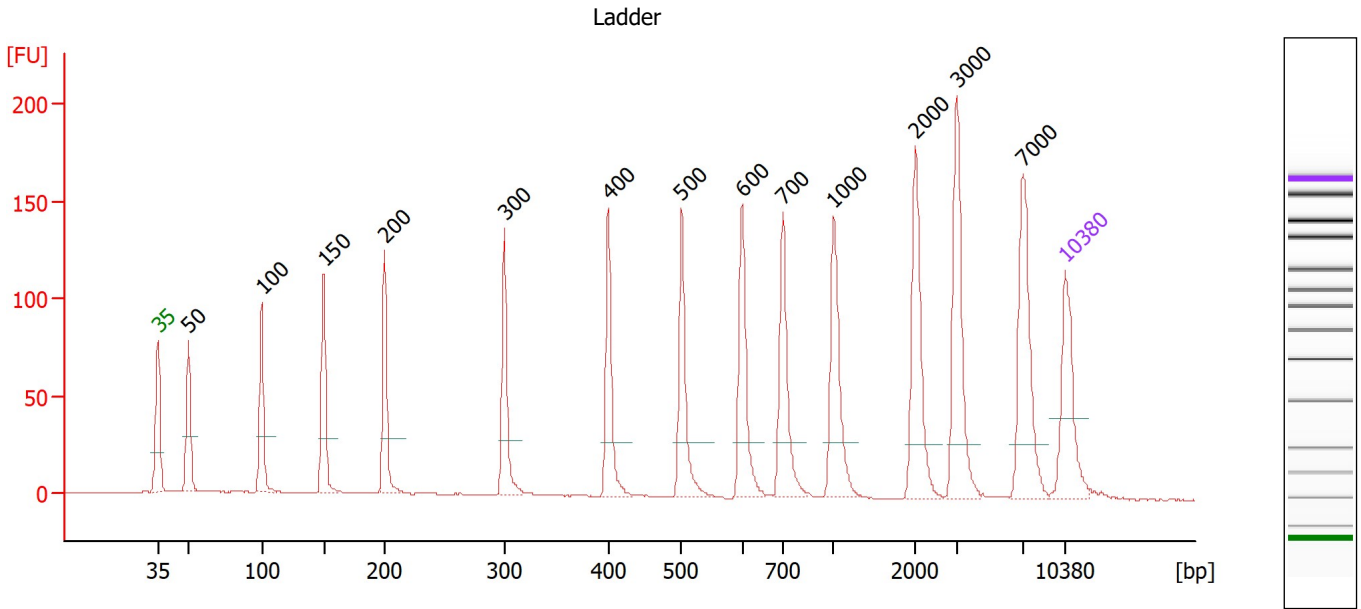
Ladder

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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

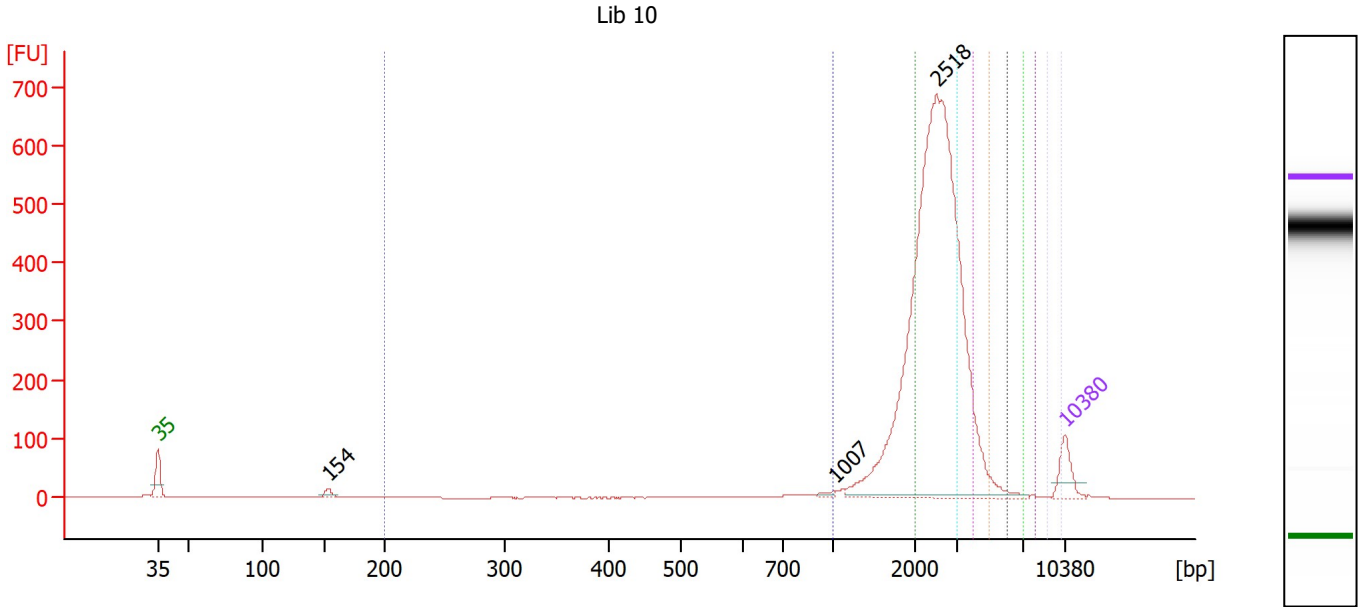
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Lib 10

Number of peaks found:	3	Corr. Area 5:	108.0
Noise:	0.2	Corr. Area 6:	26.9
Corr. Area 1:	36.6	Corr. Area 7:	10.6
Corr. Area 2:	611.6	Corr. Area 8:	4.4
Corr. Area 3:	1,882.0	Corr. Area 9:	2.2
Corr. Area 4:	383.9	Corr. Area 10:	0.3

Peak table for sample 1 : Lib 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	154	25.18	247.6	
3	1,007	11.32	17.0	
4	2,518	2,351.46	1,414.7	
5	10,380	75.00	10.9	Upper Marker

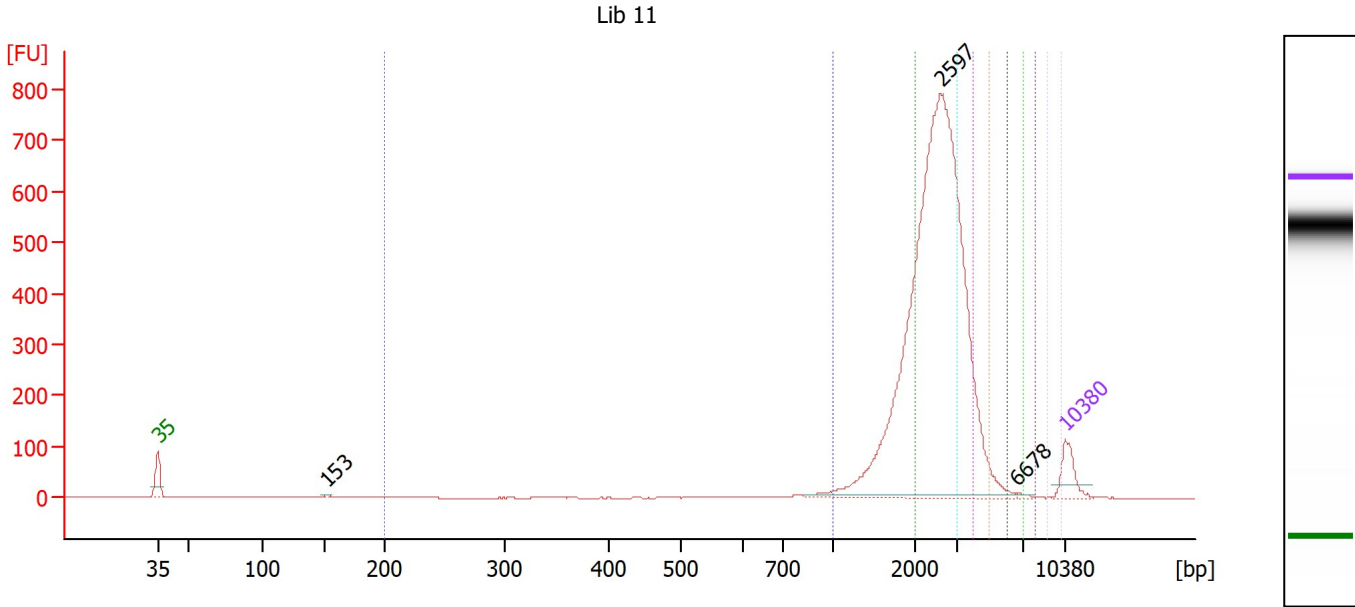
Region table for sample 1 : Lib 10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	36.6	1	800	17.5	34.74	68.7	Blue
1,000	2,000	611.6	20	1,764	12.4	491.70	422.4	Dark Blue
2,000	3,000	1,882.0	61	2,503	10.9	1,474.72	892.9	Green
3,000	4,000	383.9	12	3,377	8.4	302.15	135.6	Cyan
4,000	5,000	108.0	3	4,325	6.4	85.58	30.0	Magenta
5,000	6,000	26.9	1	5,352	5.6	21.45	6.1	Orange
6,000	7,000	10.6	0	6,419	4.6	8.57	2.0	Black
7,000	8,000	4.4	0	7,431	4.2	3.54	0.7	Red
8,000	9,000	2.2	0	8,426	3.8	1.71	0.3	Purple
9,000	10,000	0.3	0	9,748	1.9	0.20	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Lib 11

Number of peaks found:	3	Corr. Area 5:	176.9
Noise:	0.3	Corr. Area 6:	40.9
Corr. Area 1:	59.6	Corr. Area 7:	13.9
Corr. Area 2:	819.0	Corr. Area 8:	5.4
Corr. Area 3:	2,136.5	Corr. Area 9:	2.5
Corr. Area 4:	551.3	Corr. Area 10:	0.8

Peak table for sample 2 : Lib 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	153	7.48	74.2	
3	2,597	2,478.81	1,446.2	
4	6,678	5.65	1.3	
5	10,380	75.00	10.9	Upper Marker

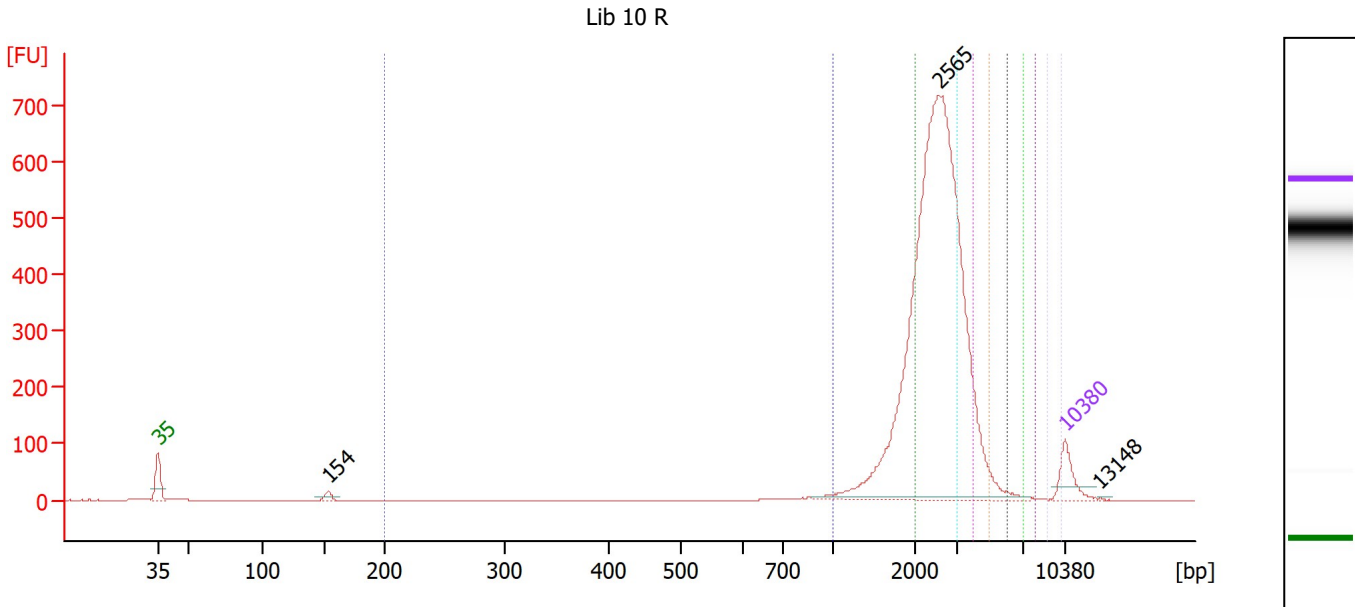
Region table for sample 2 : Lib 11

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	59.6	2	724	28.1	49.97	126.5	Blue
1,000	2,000	819.0	21	1,746	12.6	561.72	487.5	Dark Blue
2,000	3,000	2,136.5	56	2,512	10.9	1,425.39	859.7	Green
3,000	4,000	551.3	14	3,373	8.5	369.33	165.9	Cyan
4,000	5,000	176.9	5	4,323	6.5	119.33	41.8	Magenta
5,000	6,000	40.9	1	5,333	5.4	27.82	7.9	Orange
6,000	7,000	13.9	0	6,392	4.7	9.50	2.3	Black
7,000	8,000	5.4	0	7,355	4.0	3.69	0.8	Red
8,000	9,000	2.5	0	8,403	3.5	1.67	0.3	Purple
9,000	10,000	0.8	0	9,757	2.5	0.49	0.1	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Lib 10 R

Number of peaks found:	3	Corr. Area 5:	142.1
Noise:	0.3	Corr. Area 6:	33.9
Corr. Area 1:	33.0	Corr. Area 7:	14.2
Corr. Area 2:	618.1	Corr. Area 8:	5.8
Corr. Area 3:	1,969.2	Corr. Area 9:	2.5
Corr. Area 4:	454.1	Corr. Area 10:	0.3

Peak table for sample 3 : Lib 10 R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	154	25.34	249.8	
3	2,565	2,305.14	1,361.5	
4	10,380	75.00	10.9	Upper Marker
5	13,148	0.00	0.0	

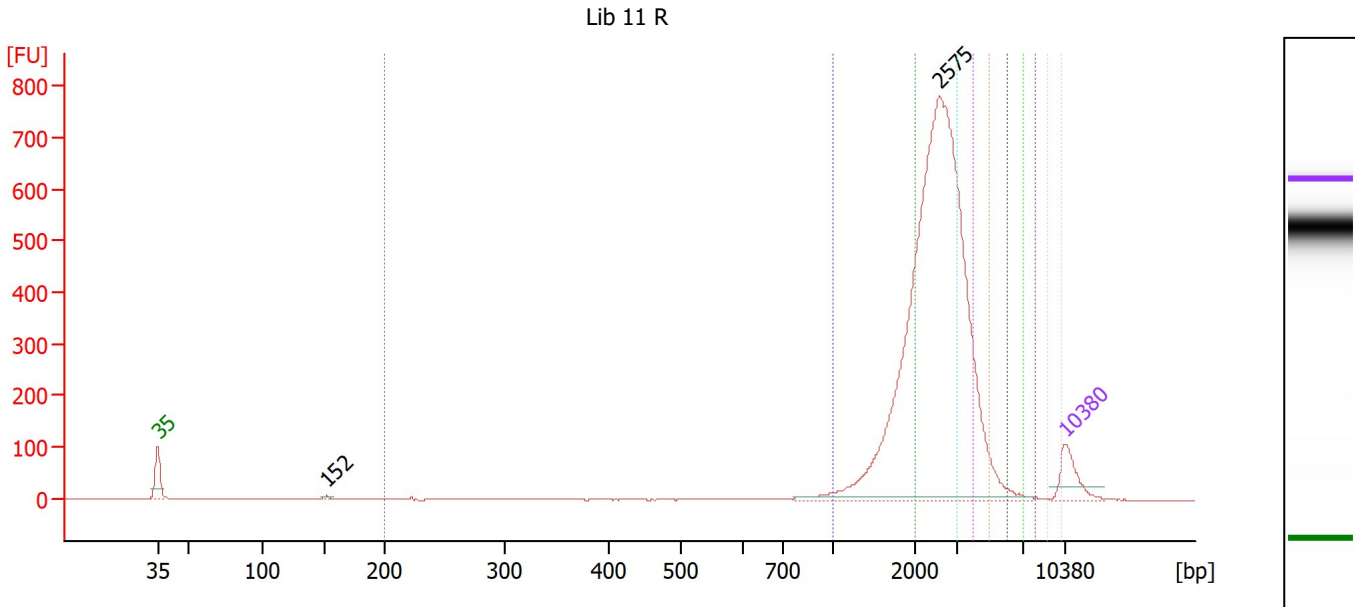
Region table for sample 3 : Lib 10 R

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	33.0	1	823	16.1	28.44	54.1	Blue
1,000	2,000	618.1	19	1,759	12.4	455.38	392.3	Dark Blue
2,000	3,000	1,969.2	59	2,503	11.0	1,413.23	855.5	Green
3,000	4,000	454.1	14	3,378	8.6	327.28	146.8	Cyan
4,000	5,000	142.1	4	4,346	6.6	103.13	36.0	Magenta
5,000	6,000	33.9	1	5,354	5.3	24.77	7.0	Orange
6,000	7,000	14.2	0	6,384	4.7	10.50	2.5	Black
7,000	8,000	5.8	0	7,409	4.1	4.27	0.9	Red
8,000	9,000	2.5	0	8,413	3.5	1.78	0.3	Purple
9,000	10,000	0.3	0	9,769	2.1	0.24	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Lib 11 R

Number of peaks found:	2	Corr. Area 5:	205.7
Noise:	0.2	Corr. Area 6:	57.3
Corr. Area 1:	47.2	Corr. Area 7:	19.3
Corr. Area 2:	816.9	Corr. Area 8:	6.4
Corr. Area 3:	2,125.8	Corr. Area 9:	3.4
Corr. Area 4:	579.4	Corr. Area 10:	0.3

Peak table for sample 4 : Lib 11 R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	152	6.42	63.9	
3	2,575	2,079.49	1,223.6	
4	10,380	75.00	10.9	Upper Marker

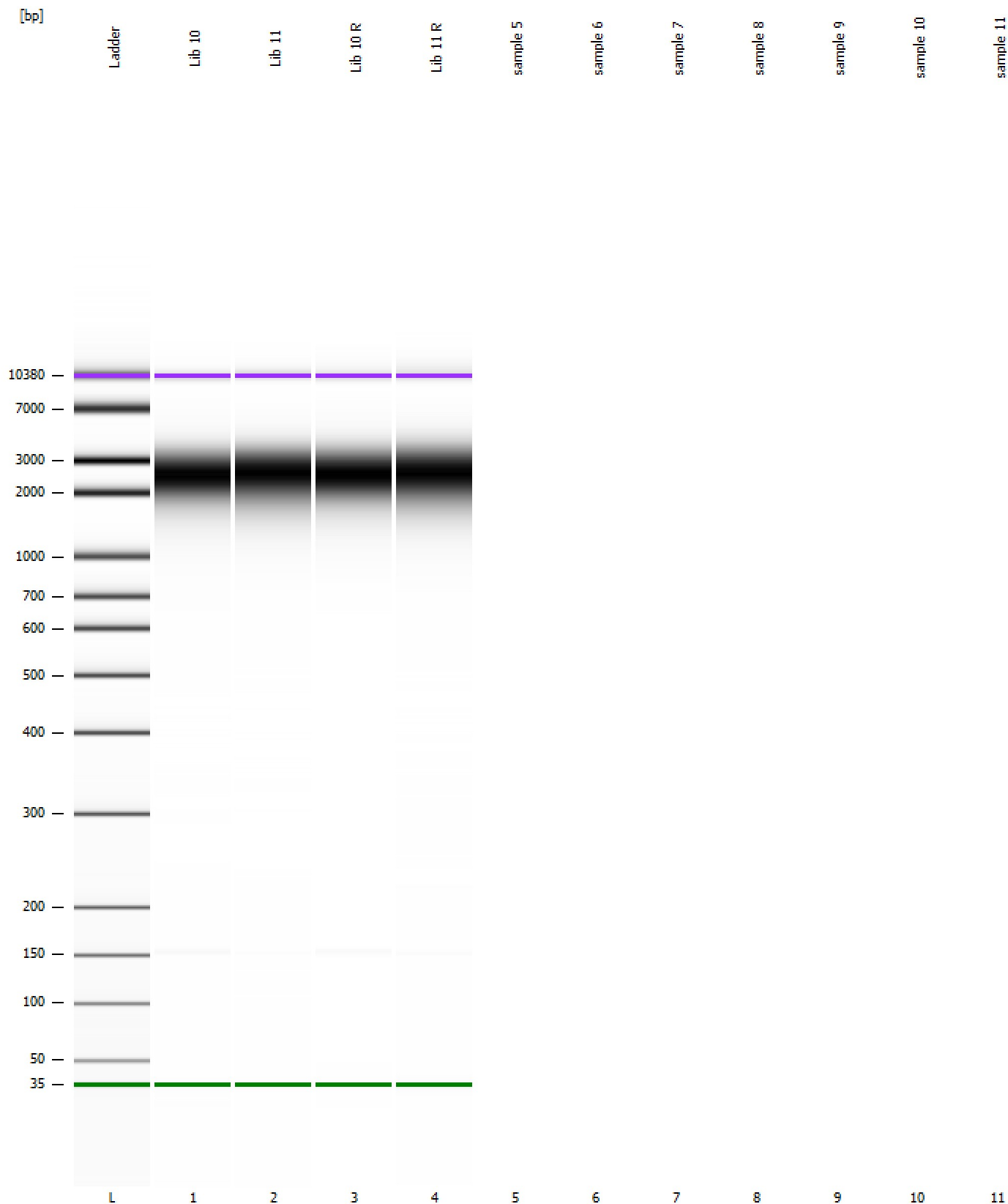
Region table for sample 4 : Lib 11 R

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	47.2	1	781	22.7	31.59	70.1	Blue
1,000	2,000	816.9	21	1,744	12.6	458.20	398.2	Dark Blue
2,000	3,000	2,125.8	55	2,510	11.0	1,159.41	699.8	Green
3,000	4,000	579.4	15	3,395	8.7	317.43	141.7	Cyan
4,000	5,000	205.7	5	4,360	6.5	113.47	39.4	Magenta
5,000	6,000	57.3	1	5,337	5.3	31.86	9.0	Orange
6,000	7,000	19.3	0	6,374	4.7	10.80	2.6	Black
7,000	8,000	6.4	0	7,389	3.9	3.59	0.7	Red
8,000	9,000	3.4	0	8,379	3.6	1.85	0.3	Purple
9,000	10,000	0.3	0	9,735	2.5	0.15	0.0	Light Blue

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
Modified: 3/5/2020 12:53:41 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
Modified: 3/5/2020 12:53:41 PM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-03-05_003.xad

Created: 3/5/2020 12:20:41 PM
 Modified: 3/5/2020 12:53:41 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		3/5/2020 12:42:00 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-05\Bioanalyze r1_High Sensitivity DNA Assay_2020-03-05_003.xad)		Instrument	Run		3/5/2020 12:20:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/5/2020 12:20:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/5/2020 12:20:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/5/2020 12:20:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/5/2020 12:20:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/5/2020 12:20:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/5/2020 12:20:47 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB