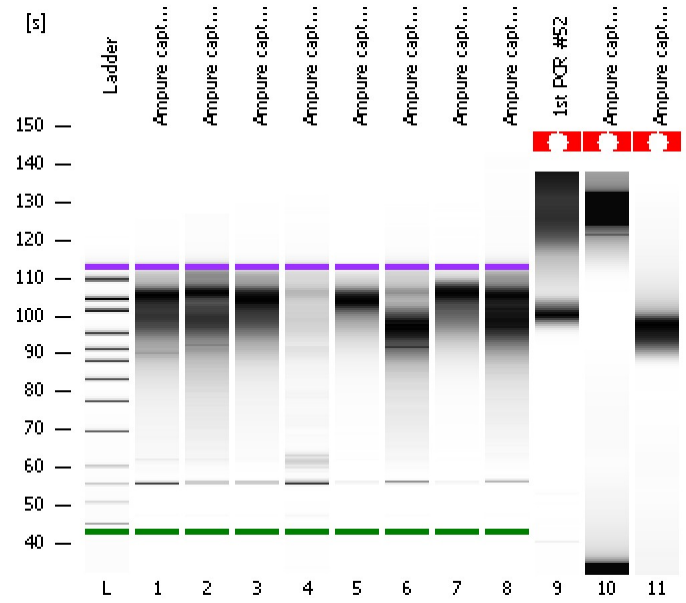
Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electrophoresis File Run Summary



Instrument Information:

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

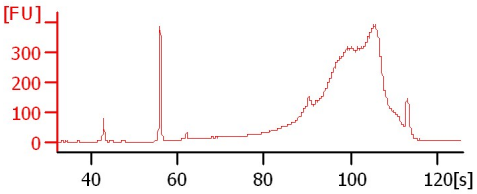
Assay Information:

Assay Origin Path: C:\Program Files\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

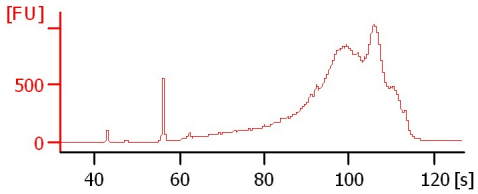
Chip Information:

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

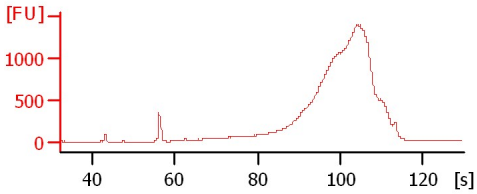
Ampure capture 2.1



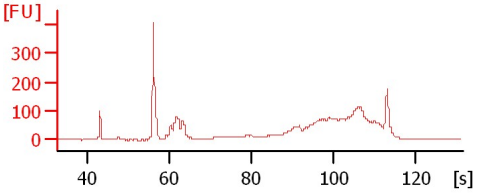
Ampure capture 2.2



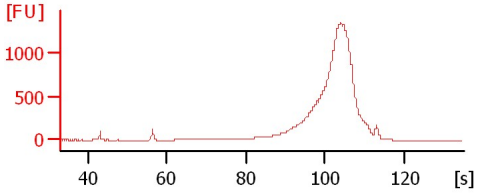
Ampure capture 3.1



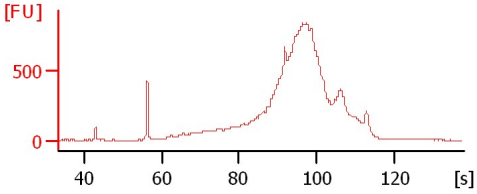
Ampure capture 3.2



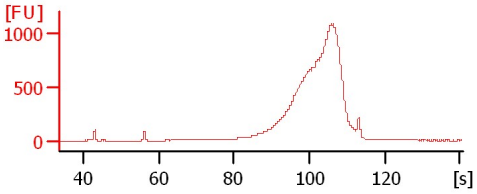
Ampure capture 4.1



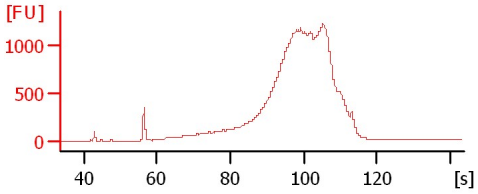
Ampure capture 4.2



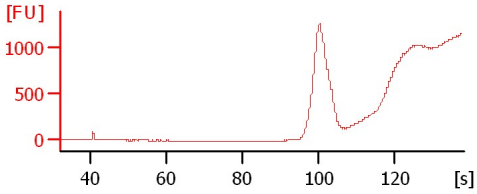
Ampure capture 5.1



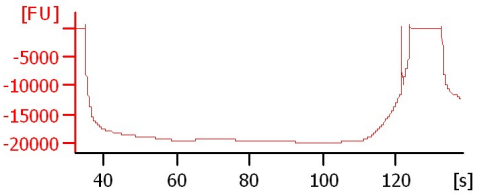
Ampure capture 5.2



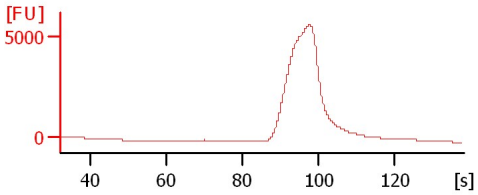
1st PCR #52



Ampure capture 2.1 high con.DNA



Ampure capture 2.2 high con.DNA



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Ampure capture 2.1		☐	✓			
Ampure capture 2.2		☐	✓			
Ampure capture 3.1		☐	✓			
Ampure capture 3.2		☐	✓			
Ampure capture 4.1		☐	✓			
Ampure capture 4.2		☐	✓			
Ampure capture 5.1		☐	✓			
Ampure capture 5.2		☐	✓			
1st PCR #52		☐	✓			
Ampure capture 2.1 high con.DNA		☐	⚠			
Ampure capture 2.2 high con.DNA		☐	✓			
Ladder		☐	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 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

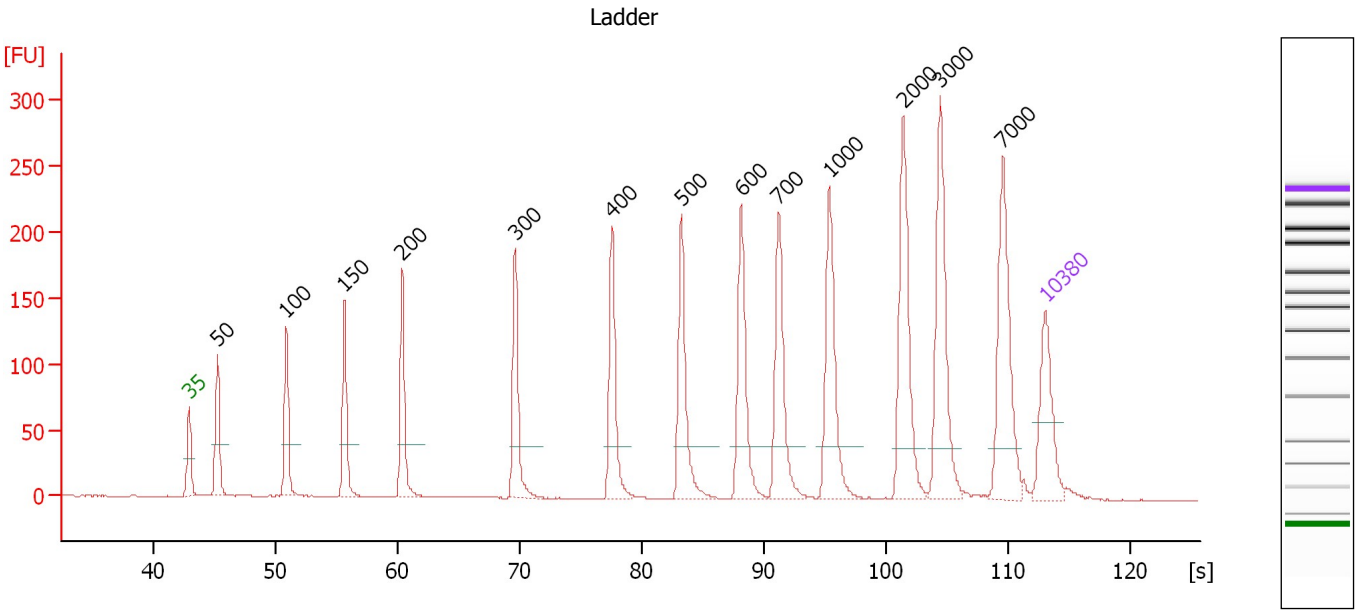
Ladder

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: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

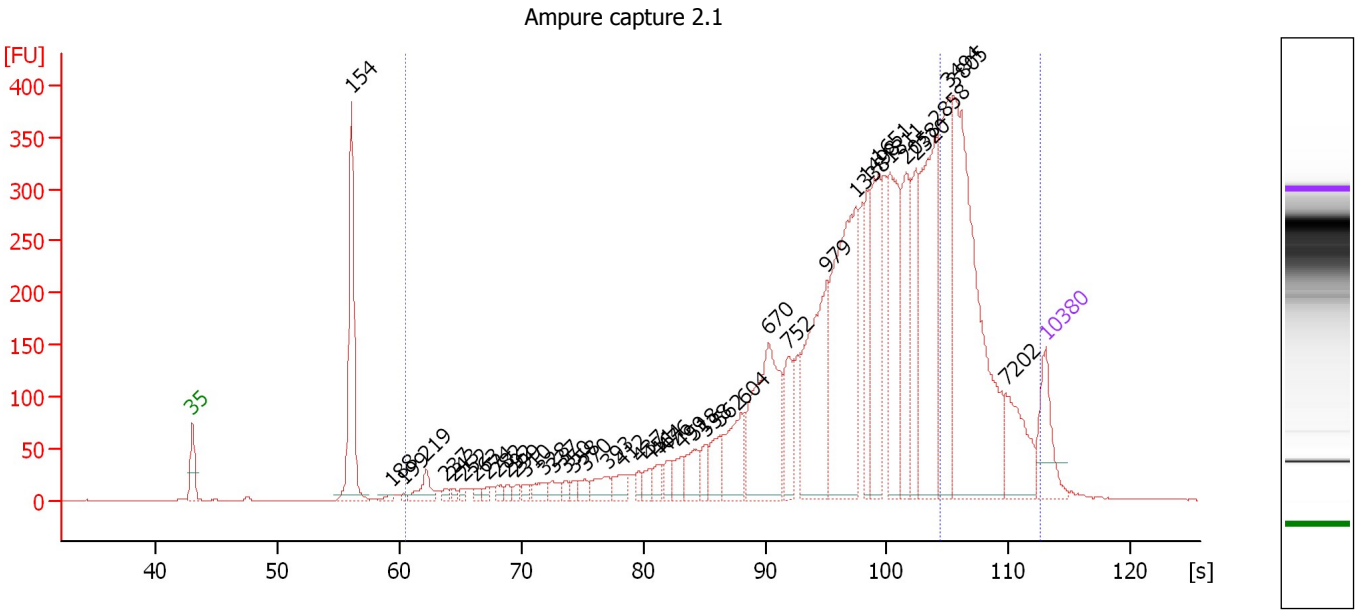
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1		35	125.00	5,411.3	Lower Marker	43.00
2		50	150.00	4,545.5	Ladder Peak	45.33
3		100	150.00	2,272.7	Ladder Peak	50.95
4		150	150.00	1,515.2	Ladder Peak	55.69
5		200	150.00	1,136.4	Ladder Peak	60.43
6		300	150.00	757.6	Ladder Peak	69.66
7		400	150.00	568.2	Ladder Peak	77.60
8		500	150.00	454.5	Ladder Peak	83.27
9		600	150.00	378.8	Ladder Peak	88.14
10		700	150.00	324.7	Ladder Peak	91.22
11		1,000	150.00	227.3	Ladder Peak	95.35
12		2,000	150.00	113.6	Ladder Peak	101.41
13		3,000	150.00	75.8	Ladder Peak	104.44
14		7,000	150.00	32.5	Ladder Peak	109.53
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Ampure capture 2.1

Number of peaks found:	42	Corr. Area 1:	6,383.4
Noise:	0.3	Corr. Area 2:	1,478.5

Peak table for sample 1 : Ampure capture 2.1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	154	335.47	3,305.7		56.05
3	188	7.60	61.2		59.31
4	199	5.32	40.5		60.32
5	219	42.08	290.7		62.22
6	237	9.30	59.6		63.81
7	243	7.89	49.2		64.38
8	252	8.16	49.1		65.22
9	263	10.06	57.9		66.27
10	274	10.67	59.0		67.24
11	282	11.77	63.1		68.04
12	292	11.55	60.0		68.88
13	299	10.84	55.0		69.54
14	310	11.93	58.4		70.42
15	328	25.67	118.6		71.87
16	337	18.65	83.9		72.58
17	350	12.23	52.9		73.64
18	358	11.38	48.2		74.25
19	370	17.20	70.4		75.22
20	393	34.73	133.8		77.07
21	412	28.97	106.4		78.31
22	437	13.60	47.2		79.68
23	451	21.32	71.7		80.47
24	464	22.57	73.7		81.22
25	476	19.44	61.8		81.92

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : Ampure capture 2.1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	499	35.34	107.3		83.20
27	518	46.42	135.7		84.17
28	538	30.37	85.5		85.14
29	562	51.29	138.3		86.29
30	604	95.11	238.5		88.27
31	670	269.37	609.1		90.30
32	752	83.43	168.2		91.93
33	979	252.96	391.4		95.06
34	1,338	359.23	406.7		97.40
35	1,498	101.26	102.4		98.37
36	1,651	147.80	135.6		99.29
37	1,811	178.86	149.6		100.26
38	2,058	131.73	97.0		101.58
39	2,320	104.95	68.5		102.38
40	2,858	245.89	130.3		104.01
41	3,494	211.51	91.7		105.07
42	3,805	488.47	194.5		105.46
43	7,202	97.45	20.5		109.74
44	10,380	75.00	10.9	Upper Marker	113.00

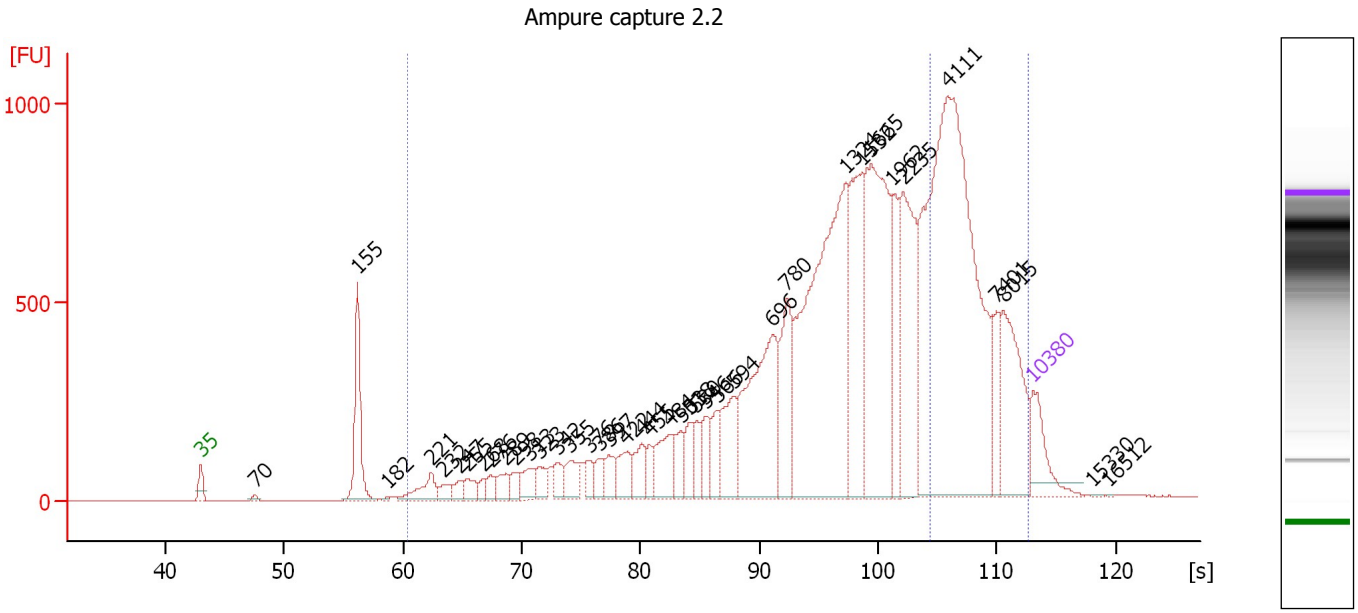
Region table for sample 1 : Ampure capture 2.1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
200	10,000	2,359	3,546.76	6,383.4	5,415.9	94	82.6
3,000	10,000	5,079	745.40	1,478.5	236.1	22	33.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Ampure capture 2.2

Number of peaks found:	40	Corr. Area 1:	19,256.0
Noise:	0.5	Corr. Area 2:	4,942.8

Peak table for sample 2 : Ampure capture 2.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	70	7.75	168.4		47.54
3	155	219.29	2,142.6		56.17
4	182	3.16	26.3		58.74
5	221	61.68	422.7		62.38
6	232	23.34	152.2		63.41
7	247	24.12	147.7		64.80
8	255	32.30	192.1		65.48
9	268	16.65	94.0		66.74
10	276	27.60	151.7		67.41
11	289	34.64	181.4		68.67
12	298	25.54	130.1		69.44
13	313	46.08	223.0		70.69
14	323	38.43	180.1		71.50
15	342	34.07	150.7		73.03
16	355	53.95	229.9		74.07
17	376	30.44	122.7		75.68
18	386	30.88	121.2		76.49
19	397	45.19	172.6		77.35
20	422	54.85	197.1		78.83
21	444	55.49	189.4		80.09
22	455	31.32	104.3		80.72
23	484	93.57	292.7		82.38
24	503	50.99	153.6		83.42
25	518	49.46	144.7		84.14

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : Ampure capture 2.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	530	44.82	128.2		84.72
27	546	54.86	152.1		85.53
28	566	50.48	135.2		86.47
29	594	114.84	292.8		87.87
30	696	360.75	785.0		91.11
31	780	163.85	318.3		92.32
32	1,324	712.66	815.6		97.31
33	1,532	249.92	247.2		98.57
34	1,665	421.27	383.3		99.38
35	1,962	112.67	87.0		101.18
36	2,235	257.38	174.4		102.12
37	4,111	1,002.56	369.5		105.85
38	7,401	64.22	13.1		109.94
39	8,015	188.80	35.7		110.57
40	10,380	75.00	10.9	Upper Marker	113.00
41	15,330	0.00	0.0		118.08
42	16,512	0.00	0.0		119.29

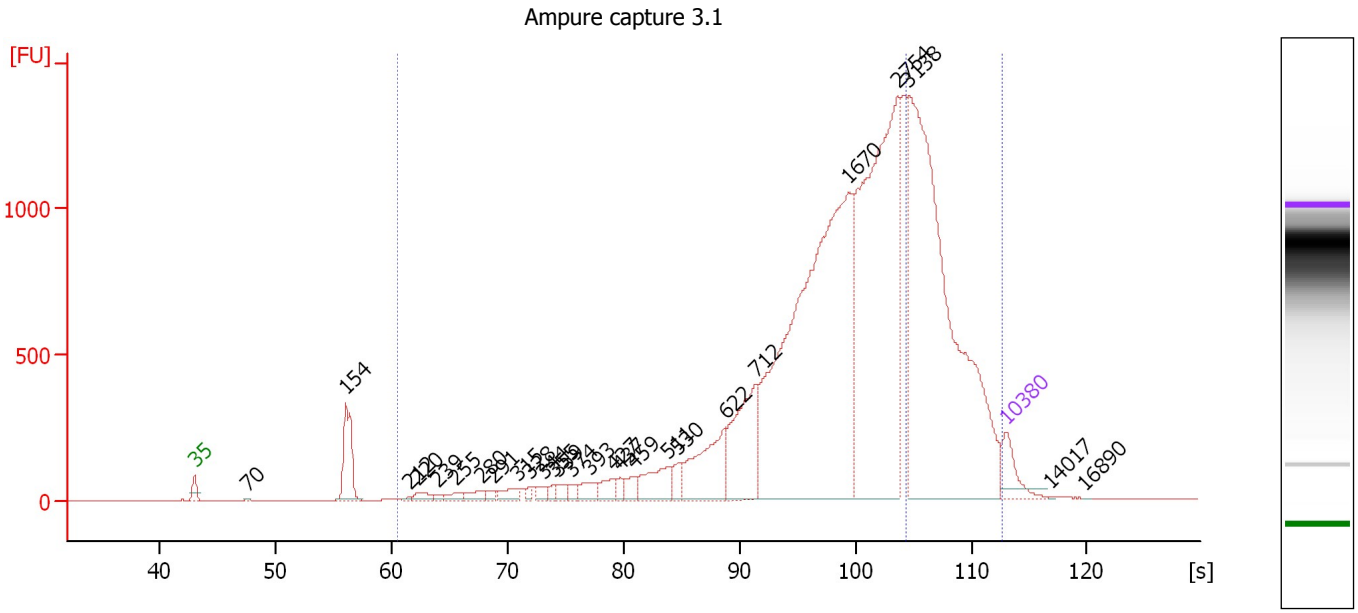
Region table for sample 2 : Ampure capture 2.2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
200	10,000	2,522	4,697.96	19,256.0	7,939.4	97	90.7
3,000	10,000	5,600	1,077.26	4,942.8	310.2	25	33.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Ampure capture 3.1

Number of peaks found:	27	Corr. Area 1:	21,149.3
Noise:	0.7	Corr. Area 2:	5,748.3

Peak table for sample 3 : Ampure capture 3.1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	70	2.74	59.3		47.56
3	154	236.12	2,327.8		56.04
4	212	5.25	37.6		61.53
5	220	30.00	206.3		62.31
6	239	10.88	68.9		64.06
7	255	24.28	144.1		65.53
8	280	32.68	177.0		67.79
9	291	17.15	89.3		68.81
10	315	40.28	193.9		70.83
11	328	14.31	66.1		71.89
12	344	24.20	106.5		73.18
13	355	21.46	91.5		74.06
14	359	23.42	98.7		74.38
15	374	23.58	95.5		75.53
16	393	47.83	184.3		77.06
17	427	44.95	159.5		79.13
18	437	26.63	92.4		79.68
19	459	42.29	139.7		80.93
20	511	120.10	355.8		83.83
21	530	50.03	142.9		84.75
22	622	248.55	605.9		88.81
23	712	343.83	731.4		91.39
24	1,670	1,723.49	1,563.9		99.41
25	2,754	1,237.45	680.8		103.69

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : Ampure capture 3.1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,138	1,529.12	738.2		104.61
27	10,380	75.00	10.9	Upper Marker	113.00
28	14,017	0.00	0.0		116.73
29	16,890	0.00	0.0		119.68

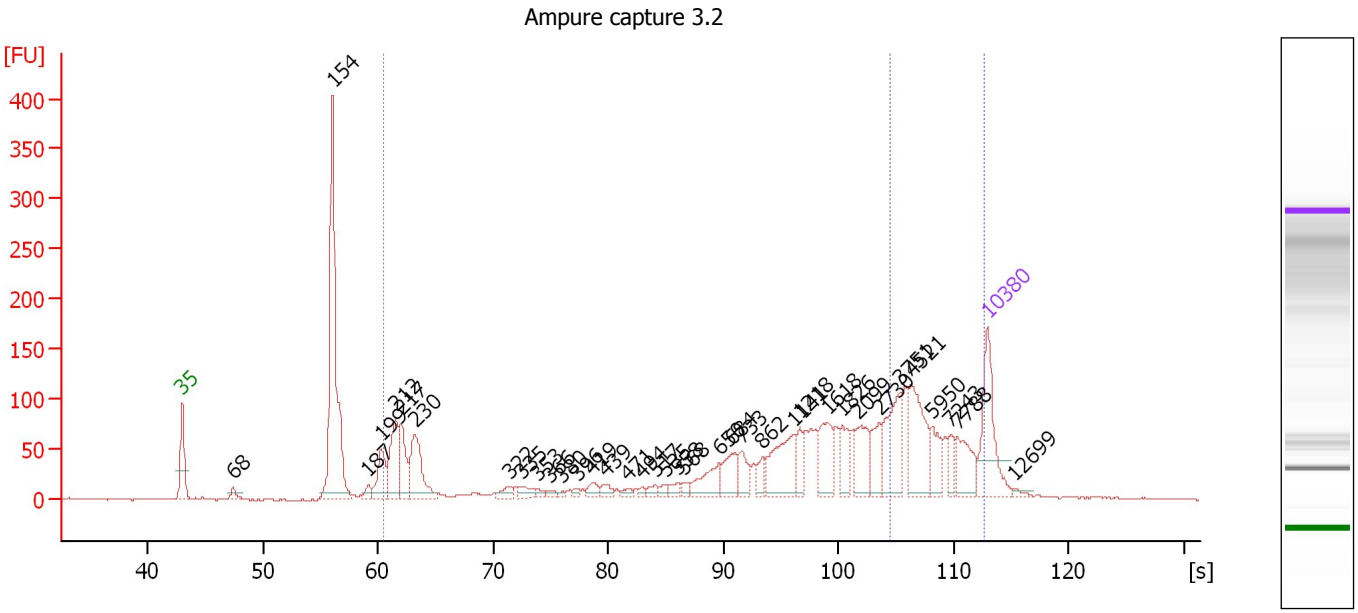
Region table for sample 3 : Ampure capture 3.1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	10,000	2,619	6,092.89	21,149.3	7,842.6	98	78.5
3,000	10,000	5,238	1,534.96	5,748.3	469.3	27	33.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Ampure capture 3.2

Number of peaks found:	37	Corr. Area 1:	2,168.0
Noise:	0.9	Corr. Area 2:	562.1

Peak table for sample 4 : Ampure capture 3.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	68	10.56	234.3		47.39
3	154	372.92	3,670.1		56.07
4	187	10.89	88.3		59.19
5	199	51.18	390.2		60.31
6	212	82.46	588.4		61.57
7	217	59.61	415.4		62.04
8	230	87.30	575.0		63.21
9	322	12.15	57.1		71.42
10	335	13.11	59.3		72.45
11	353	6.24	26.8		73.85
12	366	6.18	25.6		74.87
13	380	2.99	11.9		76.04
14	396	4.80	18.4		77.30
15	419	12.46	45.1		78.65
16	439	10.09	34.8		79.82
17	471	6.80	21.9		81.64
18	494	4.41	13.5		82.95
19	517	8.38	24.6		84.11
20	535	7.16	20.3		85.00
21	558	9.46	25.7		86.12
22	568	7.71	20.6		86.59
23	650	39.45	92.0		89.67
24	684	37.97	84.1		90.74
25	733	26.35	54.5		91.67

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : Ampure capture 3.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	862	14.99	26.4		93.45
27	1,141	71.89	95.5		96.20
28	1,218	20.42	25.4		96.67
29	1,618	44.78	41.9		99.09
30	1,826	30.81	25.6		100.35
31	2,099	42.61	30.8		101.71
32	2,730	29.98	16.6		103.62
33	3,751	66.15	26.7		105.39
34	4,521	73.70	24.7		106.37
35	5,950	26.81	6.8		108.19
36	7,243	16.49	3.4		109.78
37	7,788	39.48	7.7		110.34
38	10,380	75.00	10.9	Upper Marker	113.00
39	12,699	0.00	0.0		115.38

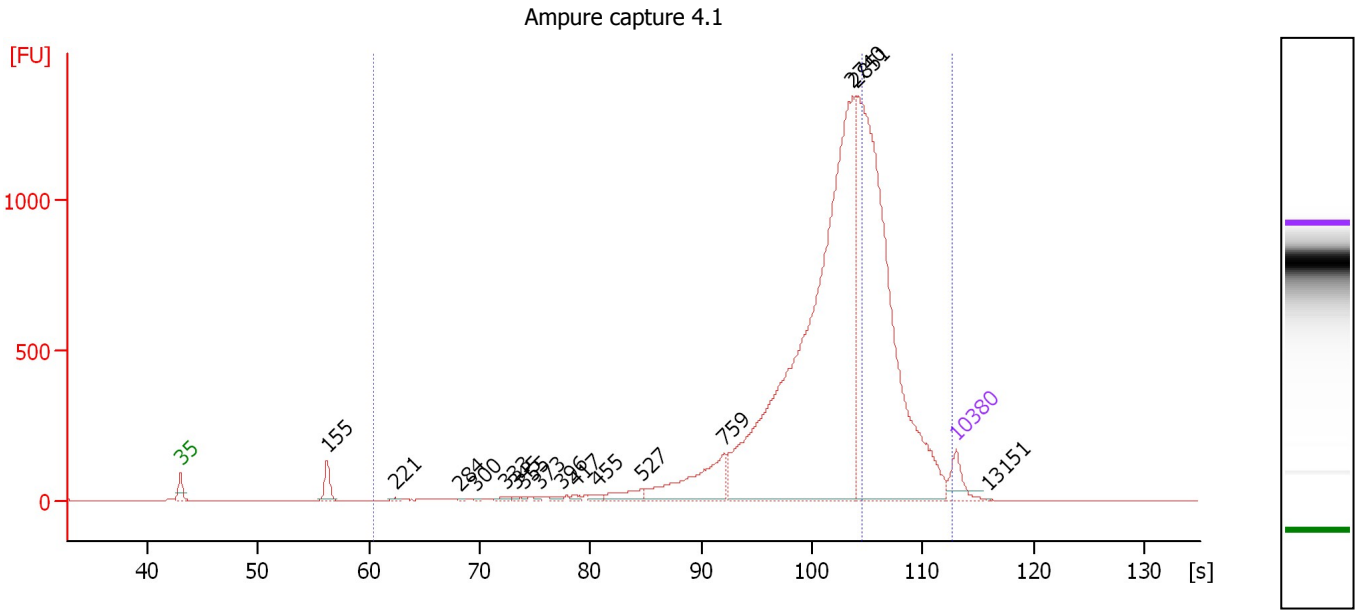
Region table for sample 4 : Ampure capture 3.2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	10,000	2,614	1,146.47	2,168.0	3,060.9	79	96.2
3,000	10,000	5,785	249.96	562.1	71.6	21	33.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Ampure capture 4.1

Number of peaks found:	16	Corr. Area 1:	12,371.5
Noise:	0.8	Corr. Area 2:	4,040.8

Peak table for sample 5 : Ampure capture 4.1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	155	97.27	948.1		56.21
3	221	5.61	38.5		62.38
4	284	4.66	24.8		68.21
5	300	3.92	19.8		69.61
6	333	11.83	53.9		72.26
7	345	6.14	27.0		73.23
8	355	5.48	23.4		74.05
9	373	5.90	24.0		75.44
10	396	12.93	49.4		77.33
11	417	10.98	39.9		78.58
12	455	18.41	61.4		80.70
13	527	65.50	188.2		84.60
14	759	338.95	676.7		92.03
15	2,740	2,650.90	1,466.1		103.65
16	2,851	1,975.01	1,049.6		103.98
17	10,380	75.00	10.9	Upper Marker	113.00
18	13,151	0.00	0.0		115.84

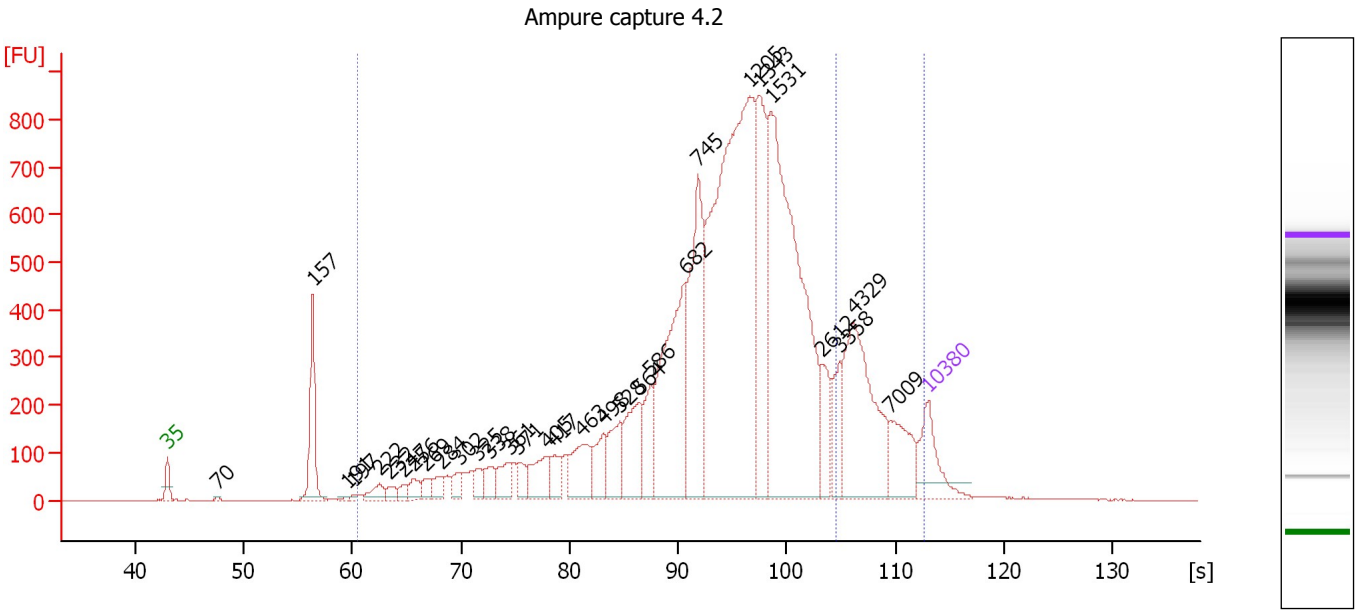
Region table for sample 5 : Ampure capture 4.1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	10,000	2,846	5,372.28	12,371.5	4,911.3	99	61.5
3,000	10,000	4,736	1,688.38	4,040.8	562.9	32	32.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Ampure capture 4.2

Number of peaks found:	31	Corr. Area 1:	14,647.1
Noise:	0.8	Corr. Area 2:	1,633.2

Peak table for sample 6 : Ampure capture 4.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	70	3.23	69.8		47.60
3	157	178.65	1,725.0		56.35
4	191	3.61	28.7		59.56
5	197	4.18	32.2		60.15
6	222	29.23	199.3		62.48
7	232	16.54	107.9		63.42
8	247	15.92	97.7		64.75
9	256	27.10	160.1		65.64
10	269	24.52	138.2		66.78
11	284	28.35	151.4		68.16
12	302	27.88	139.7		69.84
13	325	24.87	116.0		71.62
14	338	37.57	168.2		72.71
15	361	47.09	197.8		74.49
16	371	29.63	121.1		75.28
17	405	69.10	258.4		77.90
18	417	36.83	133.7		78.59
19	463	94.55	309.5		81.16
20	498	63.75	194.1		83.14
21	528	82.14	235.8		84.62
22	564	119.49	320.8		86.40
23	586	78.37	202.8		87.44
24	682	355.31	789.7		90.66
25	745	306.75	623.6		91.84

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : Ampure capture 4.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,205	928.93	1,168.2		96.59
27	1,343	237.20	267.5		97.43
28	1,531	684.32	677.2		98.56
29	2,612	58.99	34.2		103.26
30	3,358	57.42	25.9		104.89
31	4,329	261.91	91.7		106.13
32	7,009	84.23	18.2		109.54
33	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 6 : Ampure capture 4.2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color	% of Total	Size distribution in CV [%]
200	10,000	1,721	3,996.27	14,647.1	7,712.9		97	100.0
3,000	10,000	5,645	386.77	1,633.2	112.6		11	33.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

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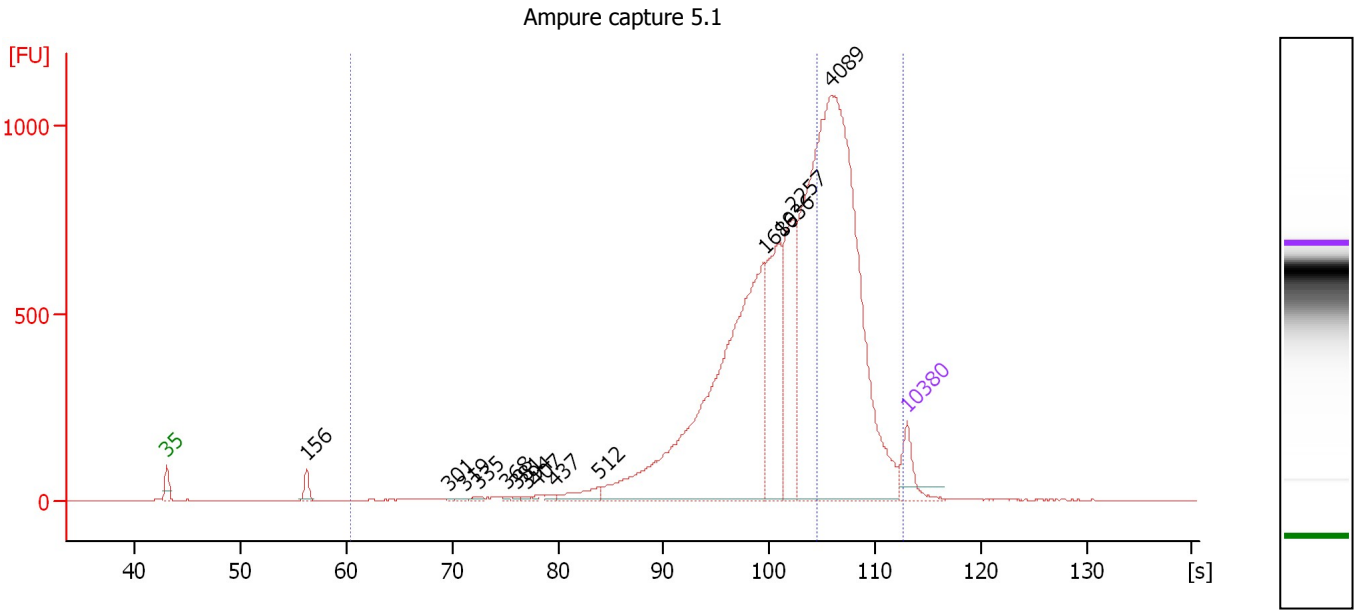
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Ampure capture 5.1

Number of peaks found:	14	Corr. Area 1:	12,371.1
Noise:	0.9	Corr. Area 2:	4,580.9

Peak table for sample 7 : Ampure capture 5.1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	156	48.66	473.2		56.24
3	301	2.38	12.0		69.74
4	319	4.77	22.6		71.20
5	335	7.70	34.8		72.42
6	368	3.66	15.1		75.09
7	381	3.76	15.0		76.10
8	394	6.35	24.4		77.12
9	407	4.73	17.6		77.97
10	437	9.35	32.4		79.69
11	512	50.12	148.4		83.84
12	1,686	1,313.38	1,180.1		99.51
13	1,936	360.62	282.2		101.02
14	2,257	341.80	229.5		102.18
15	4,089	2,036.55	754.7		105.82
16	10,380	75.00	10.9	Upper Marker	113.00

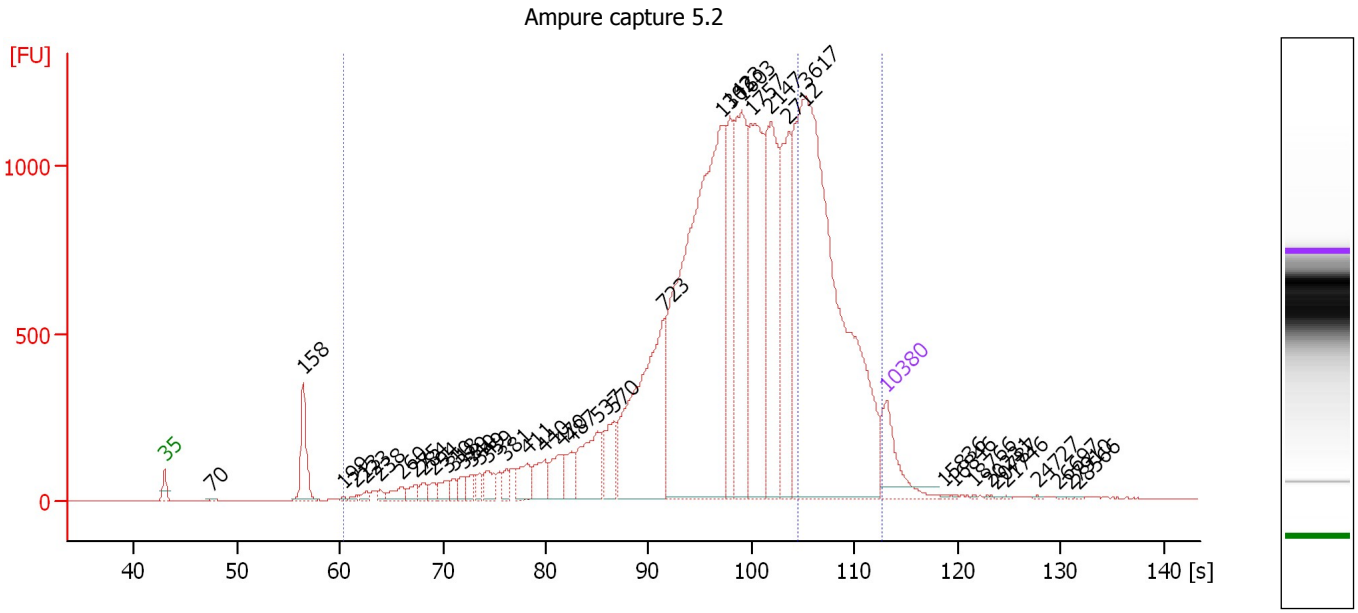
Region table for sample 7 : Ampure capture 5.1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	10,000	2,999	4,383.11	12,371.1	4,062.2	99	65.6
3,000	10,000	5,042	1,553.97	4,580.9	481.6	37	28.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Ampure capture 5.2

Number of peaks found:	41	Corr. Area 1:	23,118.1
Noise:	0.9	Corr. Area 2:	5,294.0

Peak table for sample 8 : Ampure capture 5.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	70	2.00	43.0		47.61
3	158	112.54	1,080.7		56.43
4	199	2.42	18.5		60.32
5	213	4.56	32.4		61.61
6	223	9.97	67.8		62.55
7	238	9.47	60.4		63.90
8	260	24.17	140.8		65.97
9	275	17.89	98.7		67.32
10	284	17.02	90.8		68.20
11	294	15.76	81.3		69.08
12	310	21.57	105.5		70.43
13	318	16.15	77.1		71.05
14	329	19.60	90.3		71.93
15	340	16.94	75.4		72.87
16	349	17.80	77.3		73.54
17	359	31.38	132.6		74.32
18	381	17.62	70.0		76.13
19	411	40.85	150.7		78.21
20	440	50.01	172.2		79.87
21	470	51.14	164.8		81.58
22	487	38.30	119.3		82.51
23	537	109.62	309.5		85.05
24	570	60.06	159.8		86.66
25	723	389.89	817.2		91.53

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : Ampure capture 5.2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,303	915.03	1,063.7		97.19
27	1,423	156.45	166.6		97.91
28	1,603	274.52	259.5		99.00
29	1,757	298.76	257.6		99.93
30	2,147	253.55	178.9		101.85
31	2,712	192.91	107.8		103.56
32	3,617	973.15	407.7		105.22
33	10,380	75.00	10.9	Upper Marker	113.00
34	15,836	0.00	0.0		118.60
35	16,846	0.00	0.0		119.64
36	18,766	0.00	0.0		121.61
37	20,231	0.00	0.0		123.11
38	20,787	0.00	0.0		123.68
39	21,746	0.00	0.0		124.67
40	24,727	0.00	0.0		127.73
41	26,697	0.00	0.0		129.75
42	27,910	0.00	0.0		130.99
43	28,566	0.00	0.0		131.67

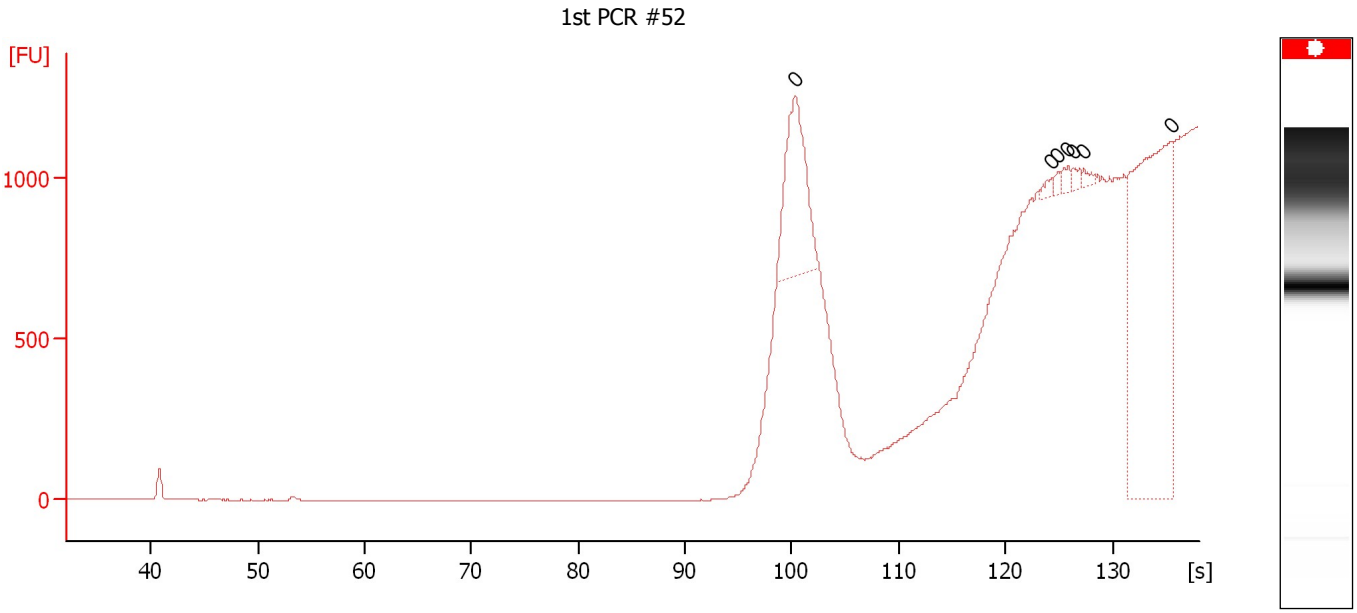
Region table for sample 8 : Ampure capture 5.2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	10,000	2,385	4,180.96	23,118.1	6,220.5	98	86.9
3,000	10,000	5,376	869.37	5,294.0	260.4	22	33.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 1st PCR #52

Number of peaks found: 0 Noise: 0.8

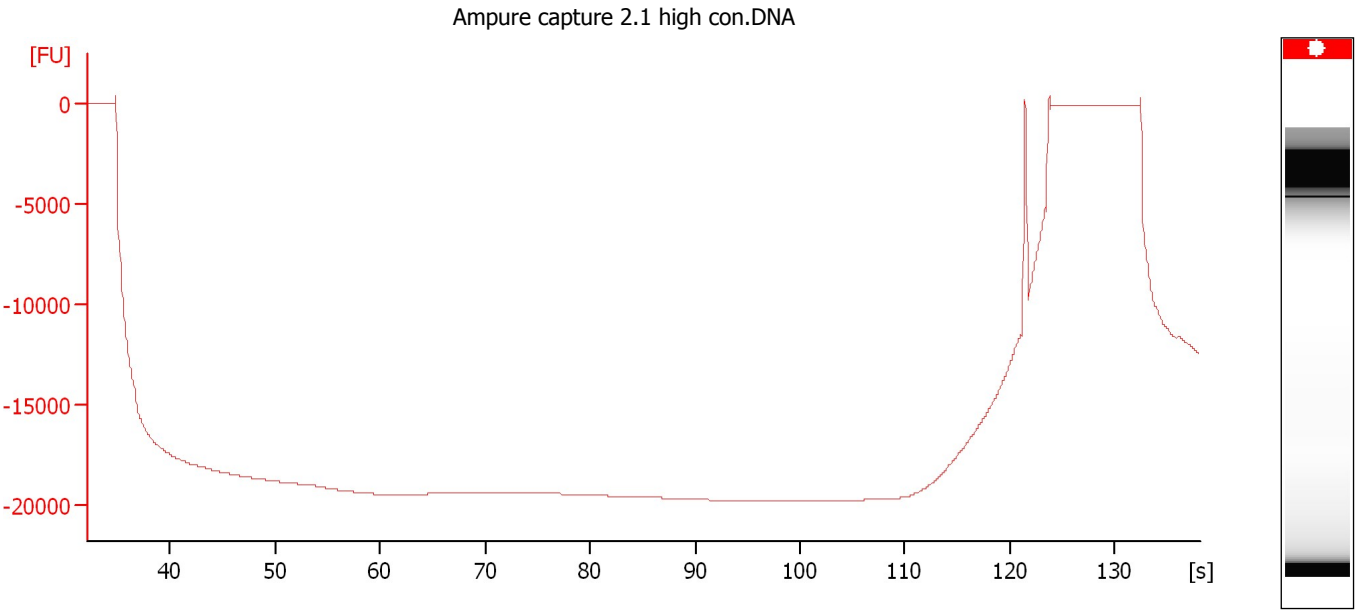
Peak table for sample 9 : 1st PCR #52

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		100.25
2	0	0.00	0.0		124.30
3	0	0.00	0.0		124.85
4	0	0.00	0.0		125.85
5	0	0.00	0.0		126.30
6	0	0.00	0.0		127.30
7	0	0.00	0.0		135.55

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



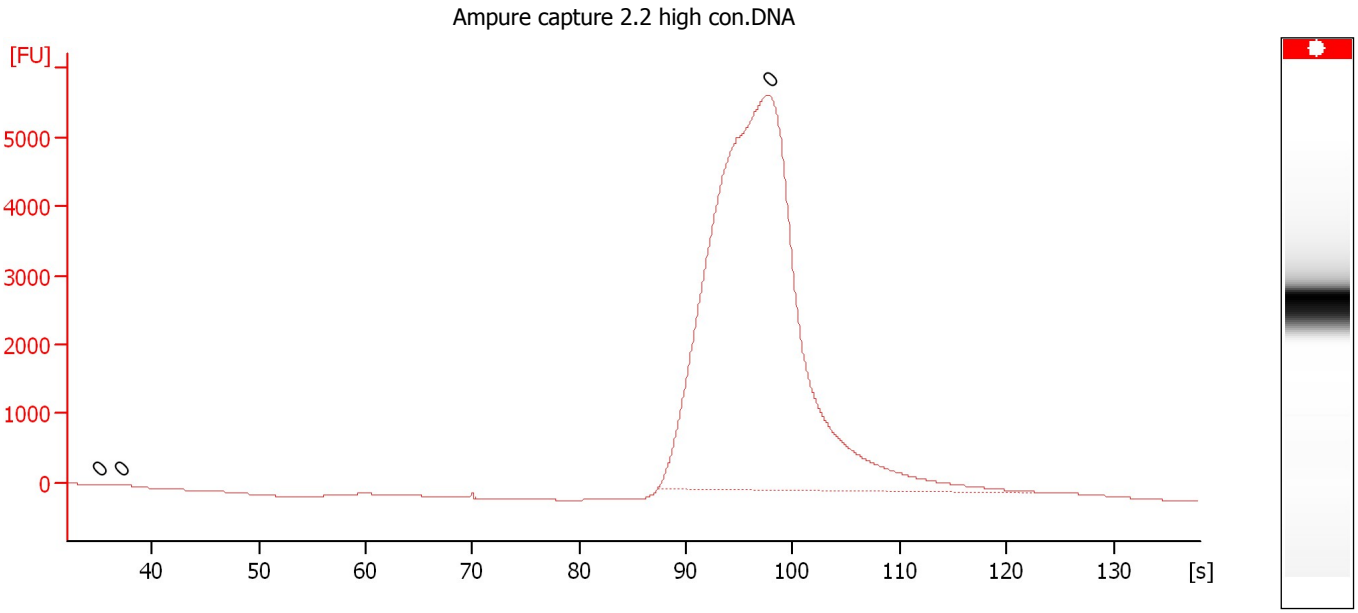
Overall Results for sample 10 : Ampure capture 2.1 high con.DNA

Noise: 2.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Ampure capture 2.2 high con.DNA

Number of peaks found: 0 Noise: 1.9

Peak table for sample 11 : Ampure capture 2.2 high con.DNA

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		35.10
2	0	0.00	0.0		37.15
3	0	0.00	0.0		97.80

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
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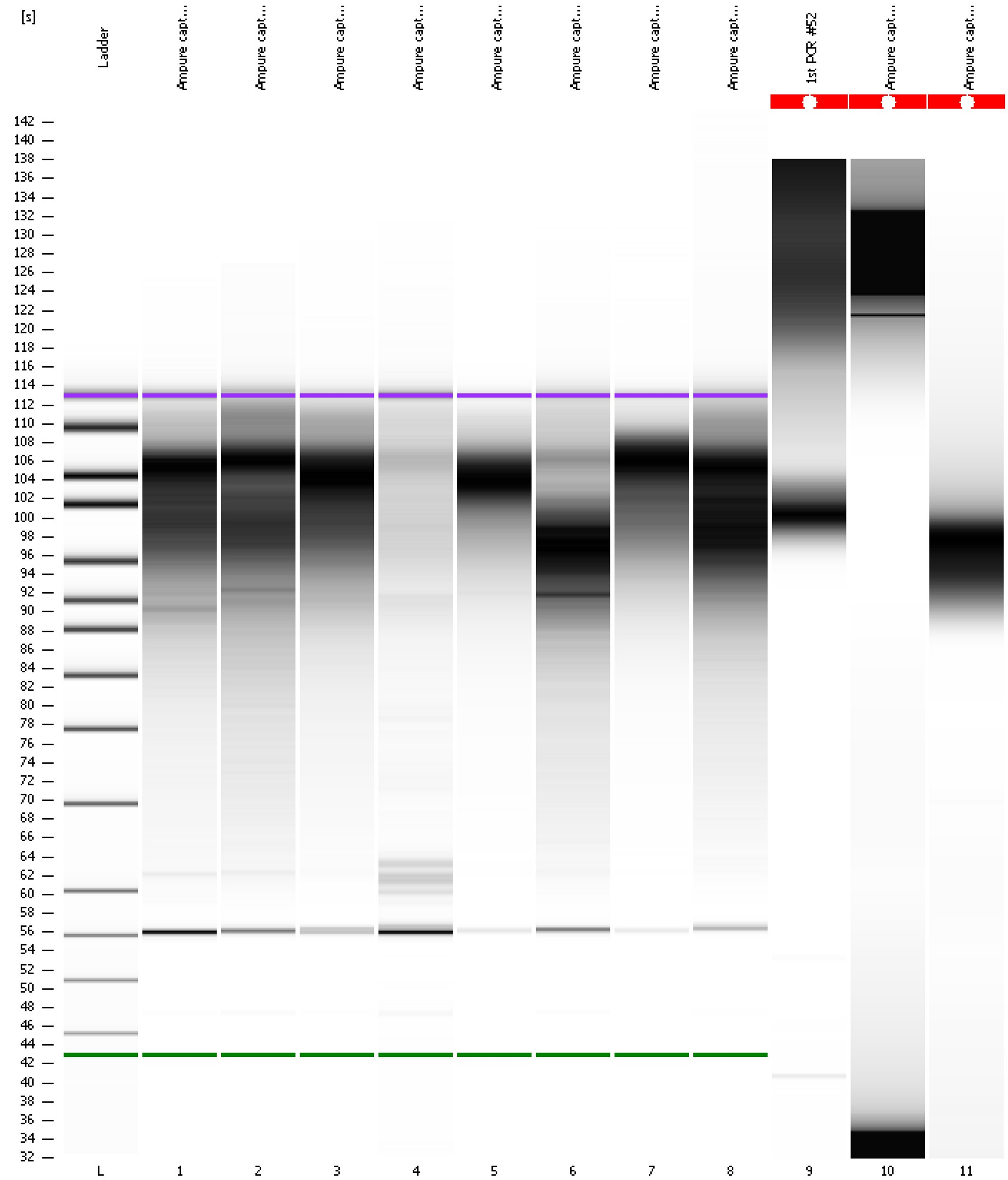
Gel Image

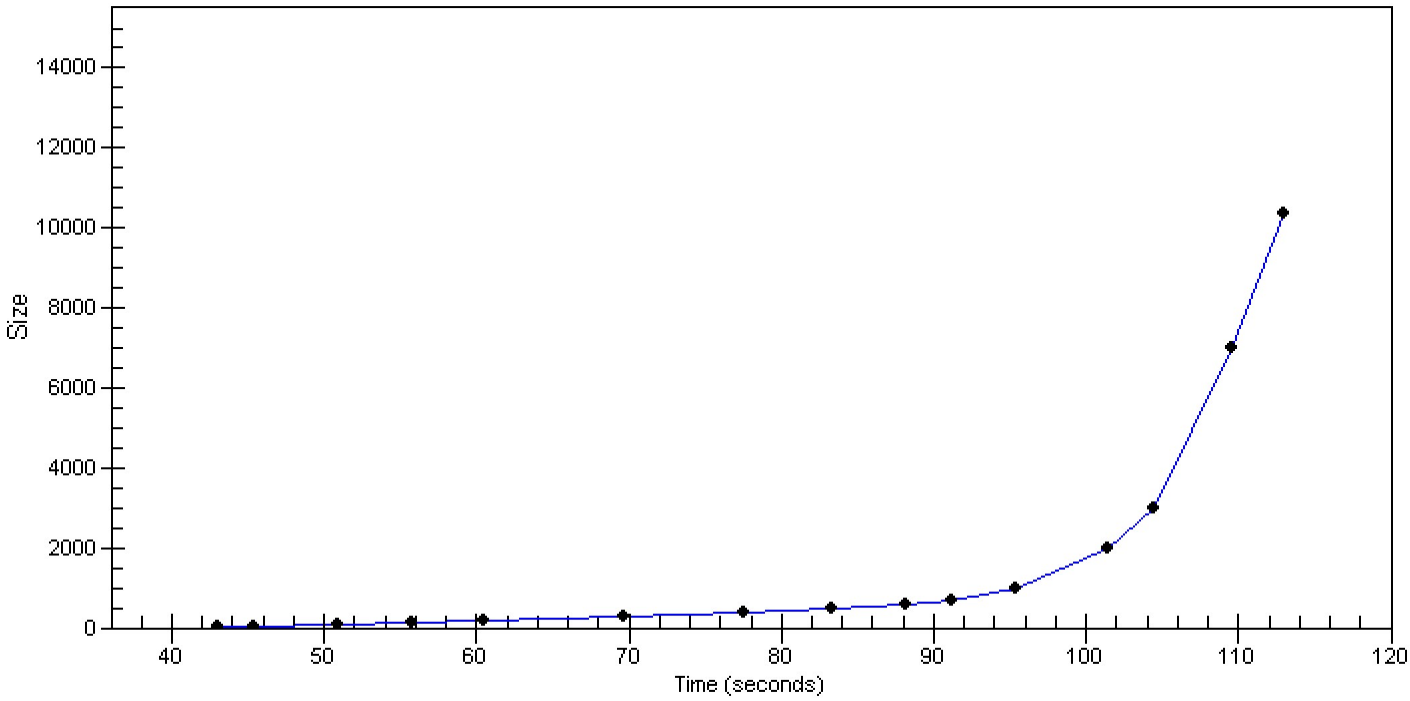


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad

Created: 6/7/2019 10:19:12 AM
Modified: 6/12/2019 3:43:48 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		6/7/2019 11:00:28 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-06-07\2019-06-07_001.xad)		Instrument	Run		6/7/2019 10:19:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		6/7/2019 10:19:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/7/2019 10:19:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/7/2019 10:19:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		6/7/2019 10:19:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/7/2019 10:19:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/7/2019 10:19:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1