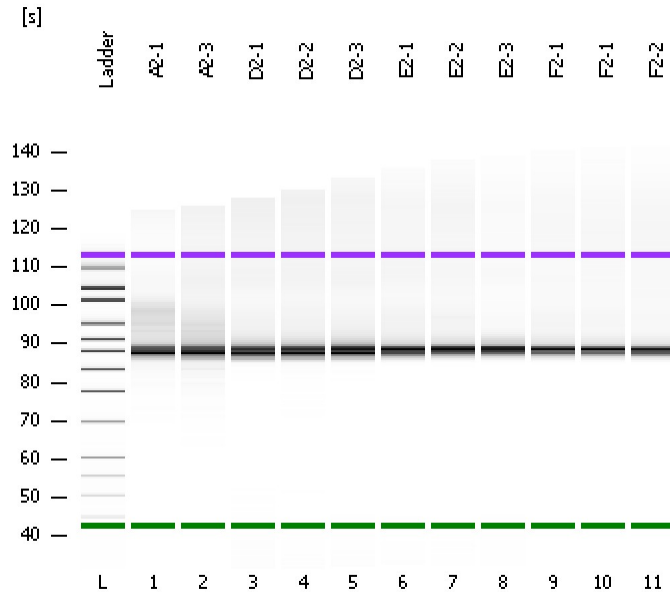


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

Created: 9/5/2019 11:39:46 AM
Modified: 9/5/2019 12:20:13 PM

Electrophoresis File Run Summary



Instrument Information:

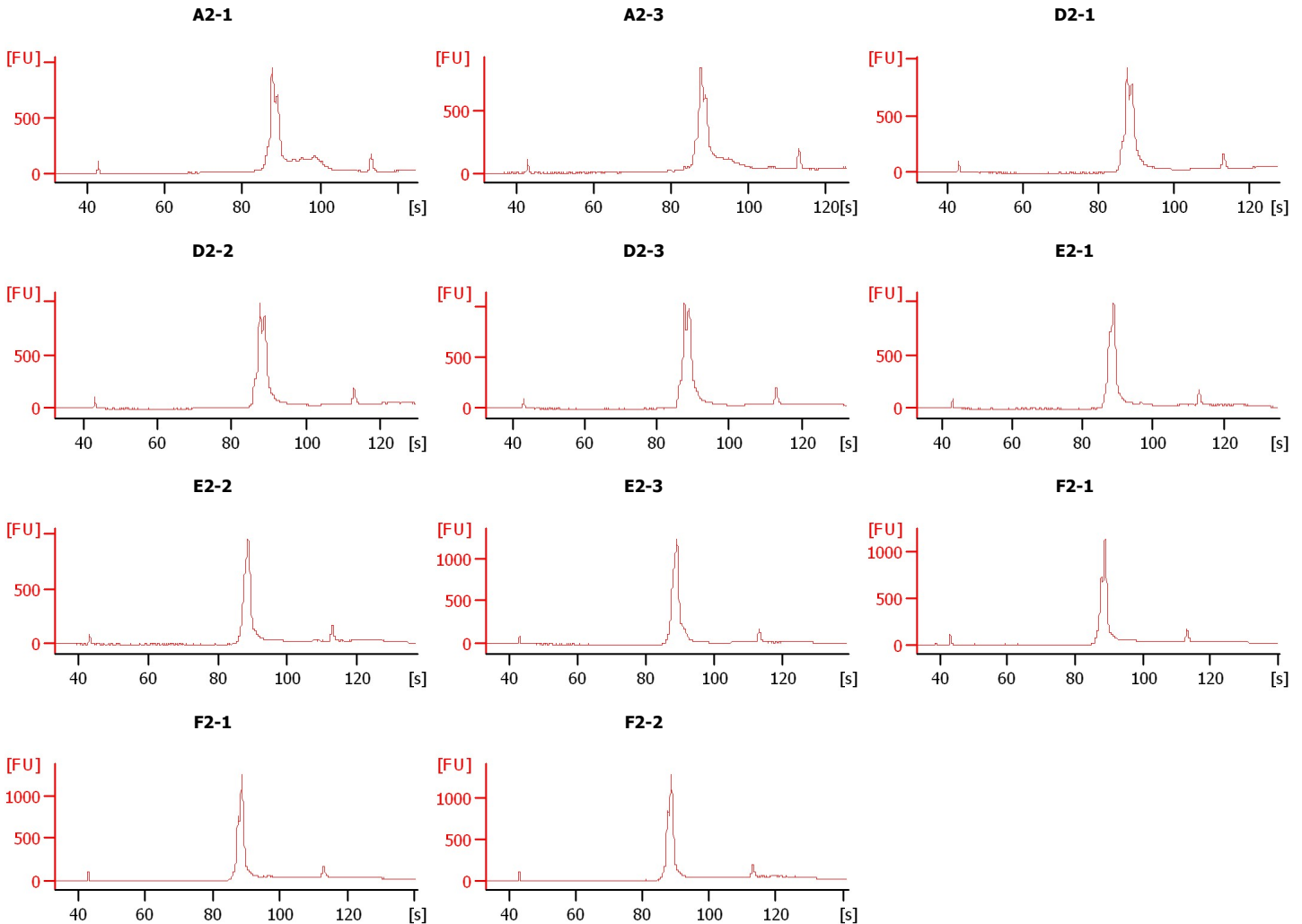
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

Created: 9/5/2019 11:39:46 AM
 Modified: 9/5/2019 12:20:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A2-1		<input type="checkbox"/>	✓			
A2-3		<input type="checkbox"/>	✓			
D2-1		<input type="checkbox"/>	✓			
D2-2		<input type="checkbox"/>	✓			
D2-3		<input type="checkbox"/>	✓			
E2-1		<input type="checkbox"/>	✓			
E2-2		<input type="checkbox"/>	✓			
E2-3		<input type="checkbox"/>	✓			
F2-1		<input type="checkbox"/>	✓			
F2-1		<input type="checkbox"/>	✓			
F2-2		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

Created: 9/5/2019 11:39:46 AM
Modified: 9/5/2019 12:20:13 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

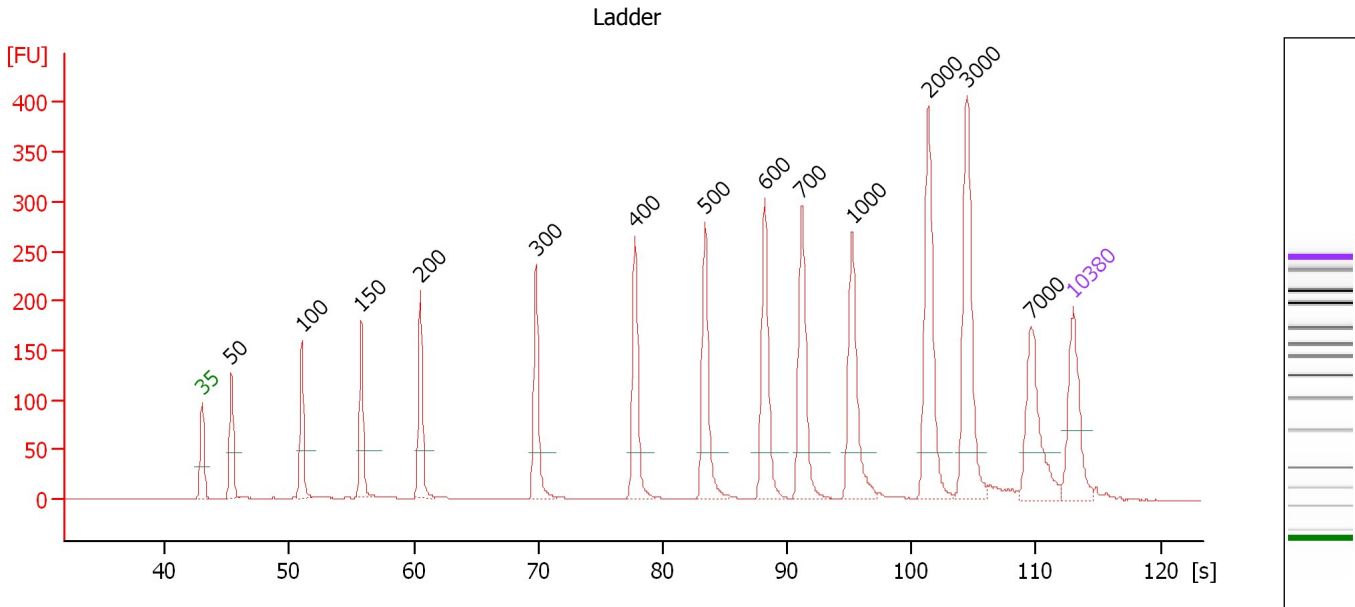
Ladder

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\2019-09-05\2019-09-05_002.xad

Created: 9/5/2019 11:39:46 AM
 Modified: 9/5/2019 12:20:13 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

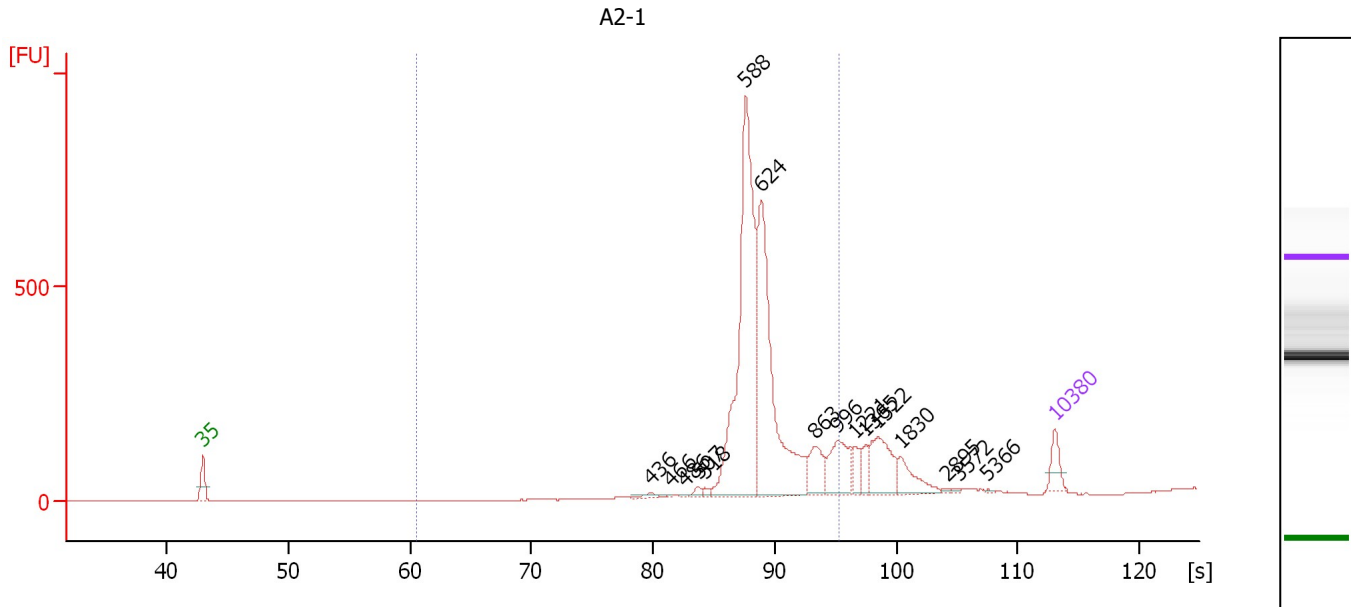
Peak table for Ladder

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	50.98
4	150	150.00	1,515.2	Ladder Peak	55.77
5	200	150.00	1,136.4	Ladder Peak	60.52
6	300	150.00	757.6	Ladder Peak	69.80
7	400	150.00	568.2	Ladder Peak	77.78
8	500	150.00	454.5	Ladder Peak	83.39
9	600	150.00	378.8	Ladder Peak	88.18
10	700	150.00	324.7	Ladder Peak	91.16
11	1,000	150.00	227.3	Ladder Peak	95.22
12	2,000	150.00	113.6	Ladder Peak	101.35
13	3,000	150.00	75.8	Ladder Peak	104.45
14	7,000	150.00	32.5	Ladder Peak	109.55
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : A2-1

Number of peaks found: 16 Corr. Area 1: 3,061.9
 Noise: 0.3

Peak table for sample 1 : A2-1

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	436	19.19	66.7		79.80
3	466	5.33	17.3		81.47
4	486	6.82	21.3		82.61
5	507	21.40	64.0		83.71
6	518	18.10	53.0		84.24
7	588	1,487.36	3,831.6		87.62
8	624	1,138.37	2,765.4		88.89
9	863	156.39	274.5		93.37
10	996	221.89	337.4		95.17
11	1,221	59.52	73.8		96.58
12	1,365	63.37	70.4		97.45
13	1,522	225.63	224.6		98.42
14	1,830	112.16	92.8		100.31
15	2,895	5.42	2.8		104.13
16	3,572	5.18	2.2		105.18
17	5,366	3.42	1.0		107.47
18	10,380	75.00	10.9	Upper Marker	113.00

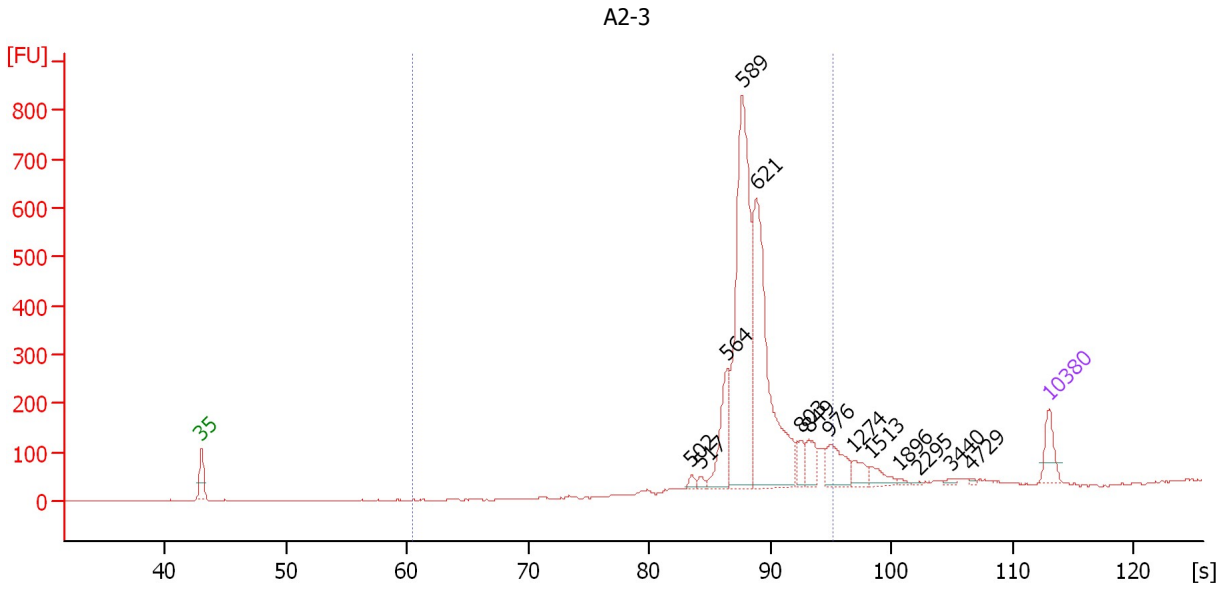
Region table for sample 1 : A2-1

From [s]	To [s]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	642	2,832.31	3,061.9	6,819.7	81	15.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

Created: 9/5/2019 11:39:46 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : A2-3

Number of peaks found: 14 Corr. Area 1: 2,935.5
 Noise: 1.0

Peak table for sample 2 : A2-3

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	502	19.66	59.3		83.50
3	517	18.42	54.0		84.21
4	564	229.28	615.7		86.47
5	589	1,052.23	2,705.6		87.67
6	621	906.50	2,210.1		88.82
7	803	57.79	109.1		92.55
8	849	90.96	162.4		93.17
9	976	130.67	202.8		94.90
10	1,274	54.09	64.3		96.90
11	1,513	44.90	45.0		98.36
12	1,896	6.74	5.4		100.71
13	2,295	3.51	2.3		102.26
14	3,440	8.22	3.6		105.02
15	4,729	4.36	1.4		106.66
16	10,380	75.00	10.9	Upper Marker	113.00

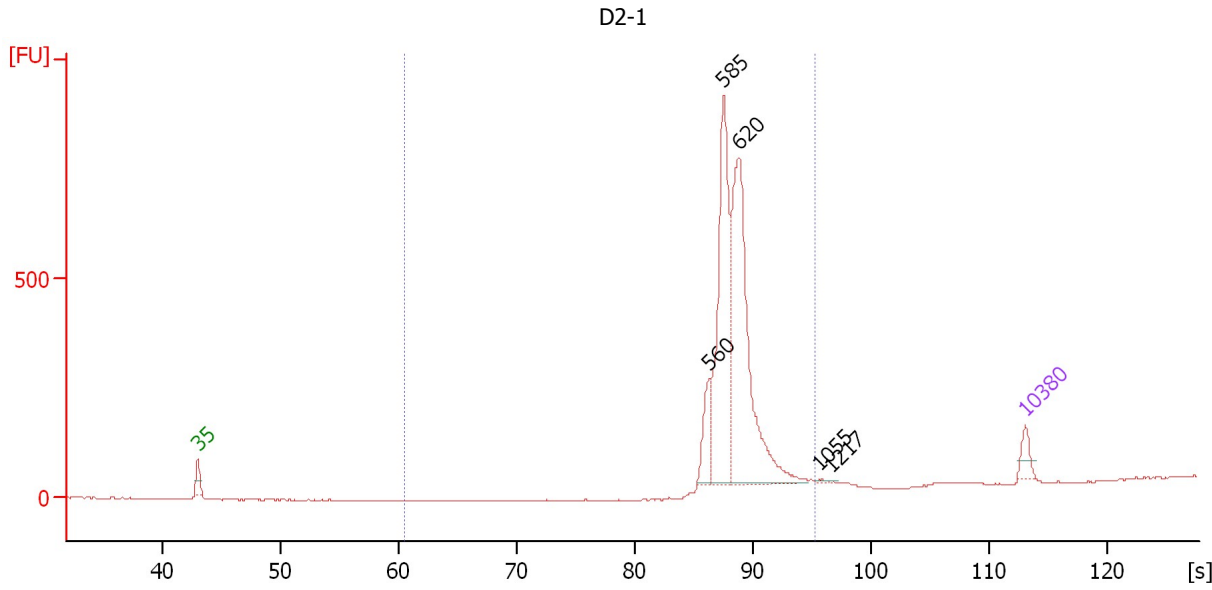
Region table for sample 2 : A2-3

From [s]	To [s]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	639	2,475.94	2,935.5	5,983.2	90	15.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : D2-1

Number of peaks found: 5 Corr. Area 1: 2,827.0
 Noise: 1.1

Peak table for sample 3 : D2-1

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	560	223.22	604.4		86.25
3	585	1,241.13	3,214.4		87.47
4	620	1,593.65	3,895.1		88.78
5	1,055	8.04	11.5		95.56
6	1,217	2.77	3.4		96.55
7	10,380	75.00	10.9	Upper Marker	113.00

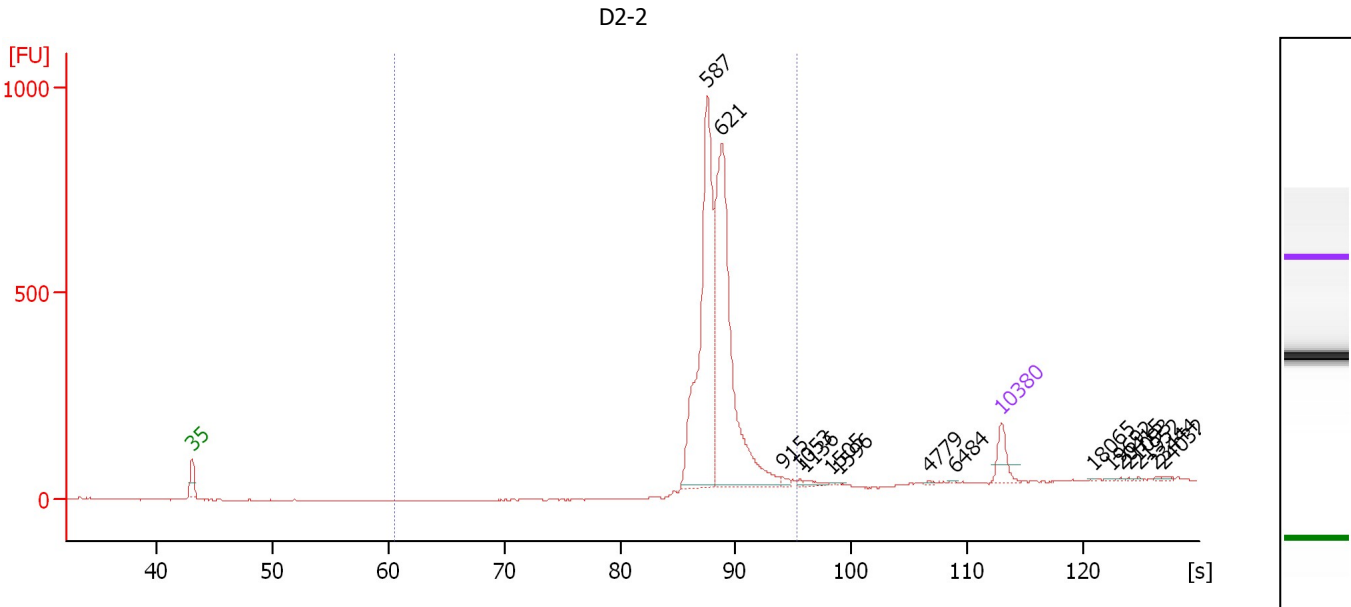
Region table for sample 3 : D2-1

From [s]	To [s]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	614	3,072.08	2,827.0	7,631.2	99	8.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : D2-2

Number of peaks found: 16 Corr. Area 1: 3,066.2
 Noise: 1.1

Peak table for sample 4 : D2-2

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	587	1,165.14	3,007.9		87.56
3	621	1,279.49	3,122.7		88.80
4	915	14.30	23.7		94.07
5	1,053	6.75	9.7		95.55
6	1,136	15.98	21.3		96.05
7	1,505	2.37	2.4		98.32
8	1,596	2.60	2.5		98.87
9	4,779	3.40	1.1		106.72
10	6,484	2.90	0.7		108.89
11	10,380	75.00	10.9	Upper Marker	113.00
12	18,065	0.00	0.0		120.85
13	19,692	0.00	0.0		122.51
14	20,415	0.00	0.0		123.25
15	21,093	0.00	0.0		123.94
16	21,952	0.00	0.0		124.82
17	23,444	0.00	0.0		126.34
18	24,032	0.00	0.0		126.94

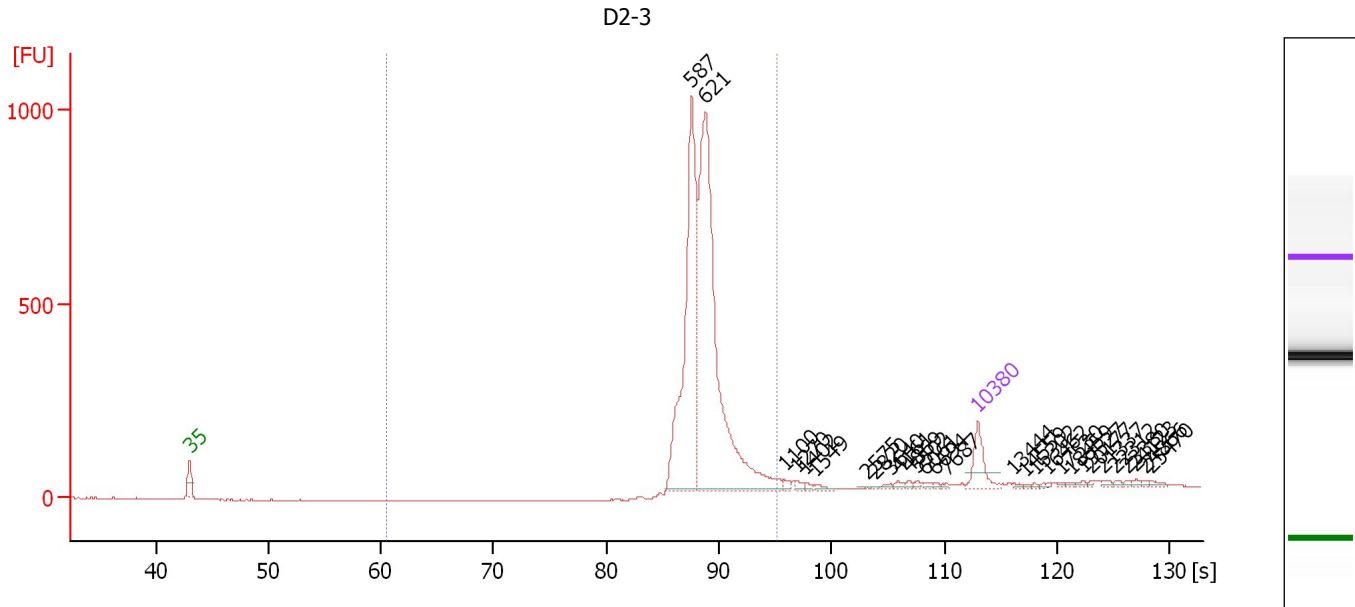
Region table for sample 4 : D2-2

From [s]	To [s]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	618	2,488.58	3,066.2	6,151.3	95	9.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : D2-3

Number of peaks found: 29 Corr. Area 1: 3,516.1
 Noise: 1.1

Peak table for sample 5 : D2-3

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	587	855.00	2,205.5		87.58
3	621	1,288.53	3,143.4		88.81
4	1,100	10.22	14.1		95.83
5	1,270	9.11	10.9		96.88
6	1,402	7.04	7.6		97.68
7	1,549	8.21	8.0		98.58
8	2,575	1.89	1.1		103.14
9	2,820	2.39	1.3		103.89
10	3,640	6.28	2.6		105.27
11	4,161	9.03	3.3		105.93
12	4,869	5.91	1.8		106.83
13	5,502	7.04	1.9		107.64
14	6,061	7.14	1.8		108.35
15	6,694	5.58	1.3		109.16
16	7,687	3.96	0.8		110.25
17	10,380	75.00	10.9	Upper Marker	113.00
18	13,444	0.00	0.0		116.13
19	14,559	0.00	0.0		117.27
20	15,302	0.00	0.0		118.03
21	16,462	0.00	0.0		119.21
22	17,530	0.00	0.0		120.30
23	18,459	0.00	0.0		121.25
24	19,527	0.00	0.0		122.34
25	20,177	0.00	0.0		123.01

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 5 : D2-3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	21,337	0.00	0.0		124.19
27	22,312	0.00	0.0		125.19
28	23,380	0.00	0.0		126.28
29	24,123	0.00	0.0		127.04
30	24,866	0.00	0.0		127.80
31	25,470	0.00	0.0		128.41

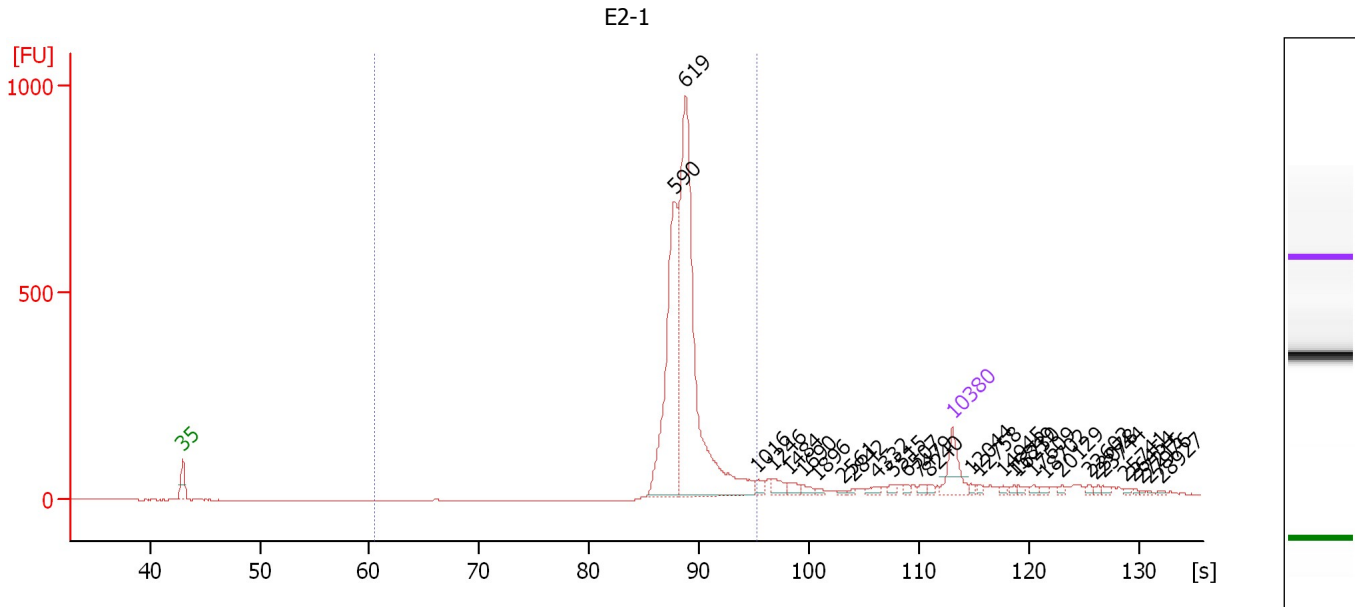
Region table for sample 5 : D2-3

From [s]	To [s]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	626	2,149.81	3,516.1	5,250.0	 89	10.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : E2-1

Number of peaks found: 30 Corr. Area 1: 2,815.3
 Noise: 1.3

Peak table for sample 6 : E2-1

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	590	613.17	1,575.5		87.69
3	619	1,082.71	2,648.9		88.76
4	1,016	16.91	25.2		95.32
5	1,246	30.47	37.1		96.73
6	1,484	18.94	19.3		98.18
7	1,690	13.81	12.4		99.45
8	1,896	6.22	5.0		100.71
9	2,561	4.69	2.8		103.09
10	2,842	4.46	2.4		103.96
11	4,332	11.40	4.0		106.15
12	5,515	10.37	2.8		107.66
13	6,507	7.13	1.7		108.92
14	7,479	8.83	1.8		110.04
15	8,240	8.00	1.5		110.81
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,044	0.00	0.0		114.70
18	12,758	0.00	0.0		115.43
19	14,945	0.00	0.0		117.66
20	15,849	0.00	0.0		118.59
21	16,230	0.00	0.0		118.98
22	17,609	0.00	0.0		120.38
23	18,702	0.00	0.0		121.50
24	20,129	0.00	0.0		122.96
25	22,602	0.00	0.0		125.48

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad


Created: 9/5/2019 11:39:46 AM
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Electropherogram Summary Continued ...

... Peak table for sample 6 : E2-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	23,078	0.00	0.0		125.97
27	23,744	0.00	0.0		126.65
28	25,741	0.00	0.0		128.69
29	26,454	0.00	0.0		129.42
30	27,215	0.00	0.0		130.20
31	27,976	0.00	0.0		130.97
32	28,927	0.00	0.0		131.95

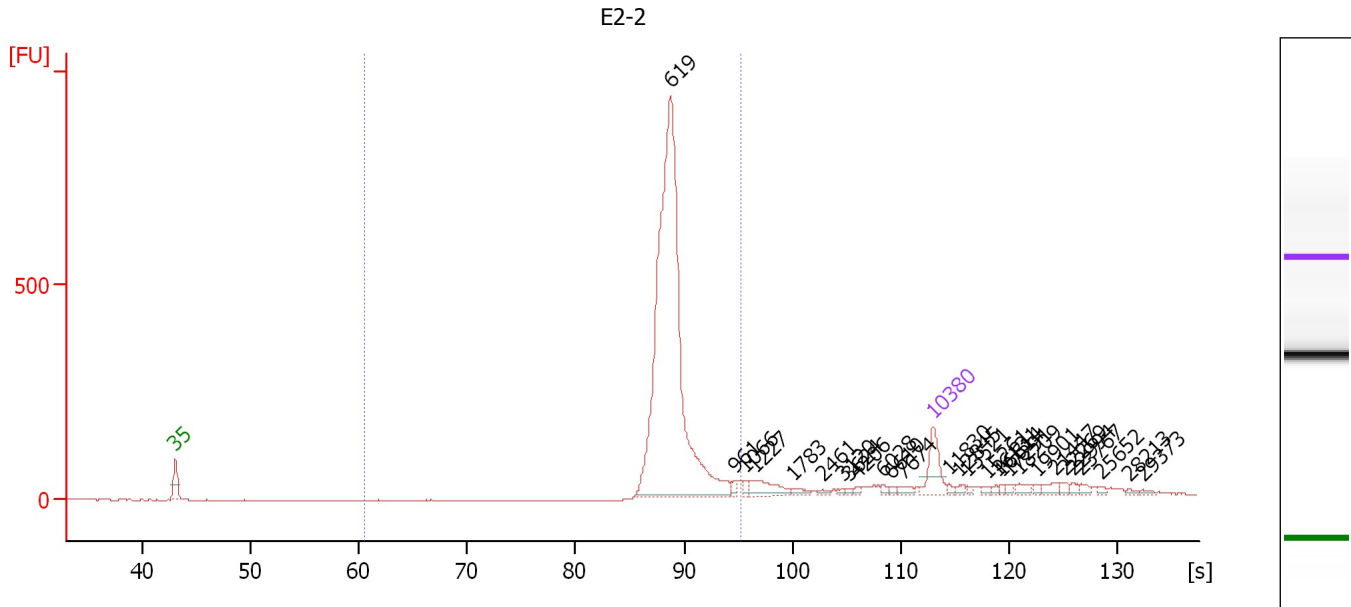
Region table for sample 6 : E2-1

From [s]	To [s]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	629	1,699.84	2,815.3	4,140.5	 81	11.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : E2-2

Number of peaks found: 28 Corr. Area 1: 2,603.6
 Noise: 1.1

Peak table for sample 7 : E2-2

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	619	1,529.80	3,742.3		88.76
3	961	12.69	20.0		94.69
4	1,066	12.57	17.9		95.62
5	1,227	58.28	72.0		96.61
6	1,783	13.94	11.8		100.02
7	2,461	7.07	4.4		102.78
8	3,120	4.16	2.0		104.61
9	3,624	5.34	2.2		105.25
10	4,206	5.91	2.1		105.99
11	6,028	7.45	1.9		108.31
12	6,610	7.49	1.7		109.05
13	7,674	13.70	2.7		110.24
14	10,380	75.00	10.9	Upper Marker	113.00
15	11,830	0.00	0.0		114.48
16	12,845	0.00	0.0		115.52
17	13,521	0.00	0.0		116.21
18	15,261	0.00	0.0		117.99
19	16,131	0.00	0.0		118.87
20	16,614	0.00	0.0		119.37
21	17,291	0.00	0.0		120.06
22	18,209	0.00	0.0		121.00
23	19,901	0.00	0.0		122.72
24	21,447	0.00	0.0		124.30
25	22,269	0.00	0.0		125.14

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 7 : E2-2

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	22,994	0.00	0.0		125.88
27	23,767	0.00	0.0		126.67
28	25,652	0.00	0.0		128.60
29	28,213	0.00	0.0		131.22
30	29,373	0.00	0.0		132.40

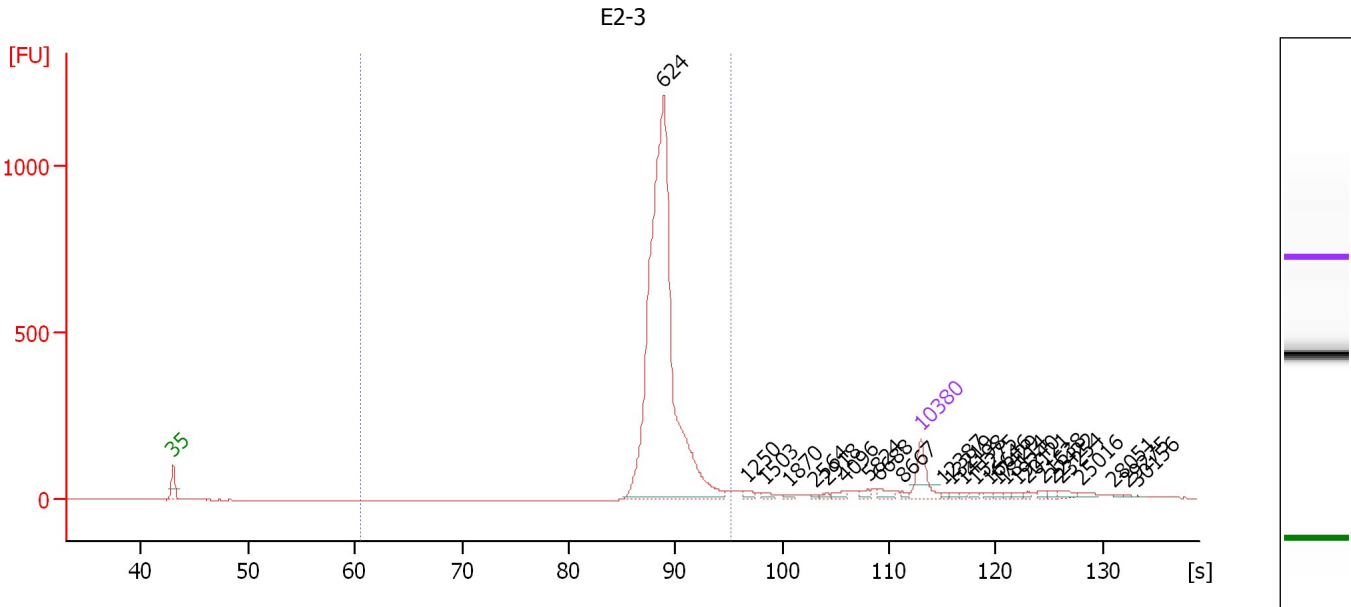
Region table for sample 7 : E2-2

From [s]	To [s]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	632	1,557.03	2,603.6	3,767.5	 80	10.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : E2-3

Number of peaks found: 26 Corr. Area 1: 3,373.0
 Noise: 1.0

Peak table for sample 8 : E2-3

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	624	1,900.90	4,615.5		88.90
3	1,250	12.88	15.6		96.75
4	1,503	9.56	9.6		98.30
5	1,870	6.56	5.3		100.55
6	2,564	4.08	2.4		103.10
7	2,918	6.47	3.4		104.20
8	4,096	11.85	4.4		105.85
9	5,824	11.96	3.1		108.05
10	6,688	17.76	4.0		109.15
11	8,667	4.87	0.9		111.25
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,387	0.00	0.0		115.05
14	13,219	0.00	0.0		115.90
15	14,198	0.00	0.0		116.90
16	15,275	0.00	0.0		118.00
17	16,646	0.00	0.0		119.40
18	17,429	0.00	0.0		120.20
19	18,114	0.00	0.0		120.90
20	19,240	0.00	0.0		122.05
21	20,121	0.00	0.0		122.95
22	21,638	0.00	0.0		124.50
23	22,422	0.00	0.0		125.30
24	23,254	0.00	0.0		126.15
25	25,016	0.00	0.0		127.95


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...**... Peak table for sample 8 : E2-3**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	28,051	0.00	0.0		131.05
27	29,275	0.00	0.0		132.30
28	30,156	0.00	0.0		133.20

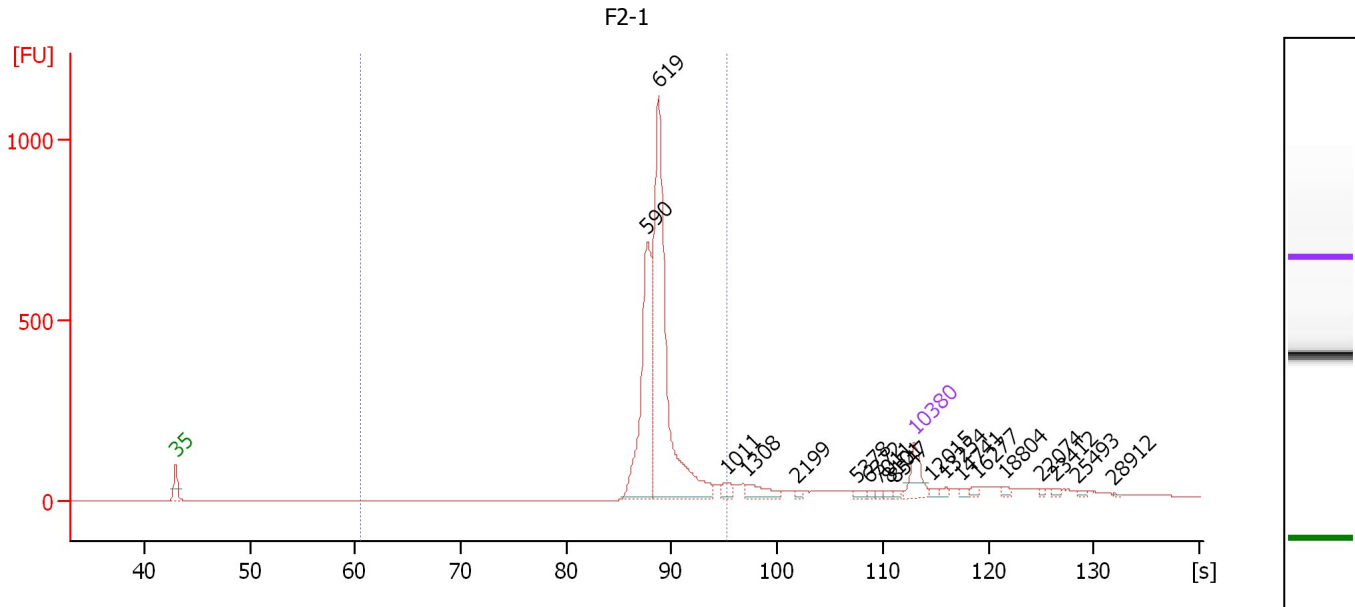
Region table for sample 8 : E2-3

From [s]	To [s]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	631	1,906.05	3,373.0	4,613.7	 86	9.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

Created: 9/5/2019 11:39:46 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : F2-1

Number of peaks found: 19 Corr. Area 1: 2,721.1
 Noise: 0.8

Peak table for sample 9 : F2-1

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	590	568.09	1,459.6		87.69
3	619	1,059.49	2,592.7		88.76
4	1,011	30.16	45.2		95.28
5	1,308	53.77	62.3		97.11
6	2,199	7.64	5.3		101.97
7	5,378	12.40	3.5		107.48
8	6,372	5.81	1.4		108.75
9	7,011	7.59	1.6		109.56
10	8,101	8.39	1.6		110.67
11	8,547	5.72	1.0		111.13
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,015	0.00	0.0		114.67
14	13,254	0.00	0.0		115.94
15	14,741	0.00	0.0		117.45
16	16,277	0.00	0.0		119.02
17	18,804	0.00	0.0		121.60
18	22,074	0.00	0.0		124.95
19	23,412	0.00	0.0		126.31
20	25,493	0.00	0.0		128.44
21	28,912	0.00	0.0		131.93

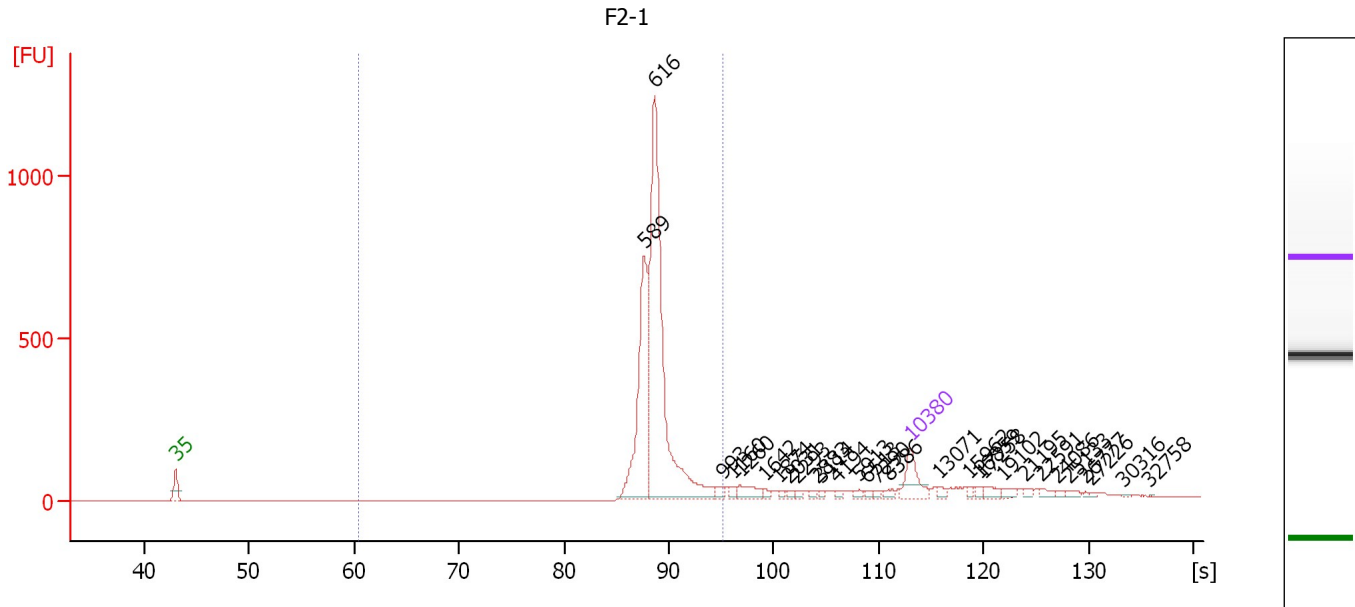
Region table for sample 9 : F2-1

From [s]	To [s]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Total	Size distribution in CV [%]
60.52	95.22	631	1,653.74	2,721.1	4,012.5	79	11.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : F2-1

Number of peaks found: 29 Corr. Area 1: 2,887.6
 Noise: 0.9

Peak table for sample 10 : F2-1

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	589	488.92	1,258.2		87.65
3	616	1,022.91	2,515.5		88.67
4	993	20.35	31.0		95.13
5	1,160	13.79	18.0		96.20
6	1,260	43.18	51.9		96.81
7	1,642	9.26	8.5		99.15
8	1,874	7.19	5.8		100.58
9	2,031	7.02	5.2		101.44
10	2,293	7.88	5.2		102.26
11	2,883	7.60	4.0		104.09
12	3,114	7.29	3.5		104.60
13	4,194	7.43	2.7		105.97
14	5,913	10.93	2.8		108.16
15	6,513	8.73	2.0		108.93
16	7,290	7.55	1.6		109.84
17	8,386	12.55	2.3		110.96
18	10,380	75.00	10.9	Upper Marker	113.00
19	13,071	0.00	0.0		115.75
20	15,962	0.00	0.0		118.70
21	16,859	0.00	0.0		119.62
22	17,258	0.00	0.0		120.03
23	19,102	0.00	0.0		121.91
24	21,195	0.00	0.0		124.05
25	22,591	0.00	0.0		125.47

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 10 : F2-1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	24,086	0.00	0.0		127.00
27	25,133	0.00	0.0		128.07
28	26,777	0.00	0.0		129.75
29	27,226	0.00	0.0		130.21
30	30,316	0.00	0.0		133.36
31	32,758	0.00	0.0		135.86

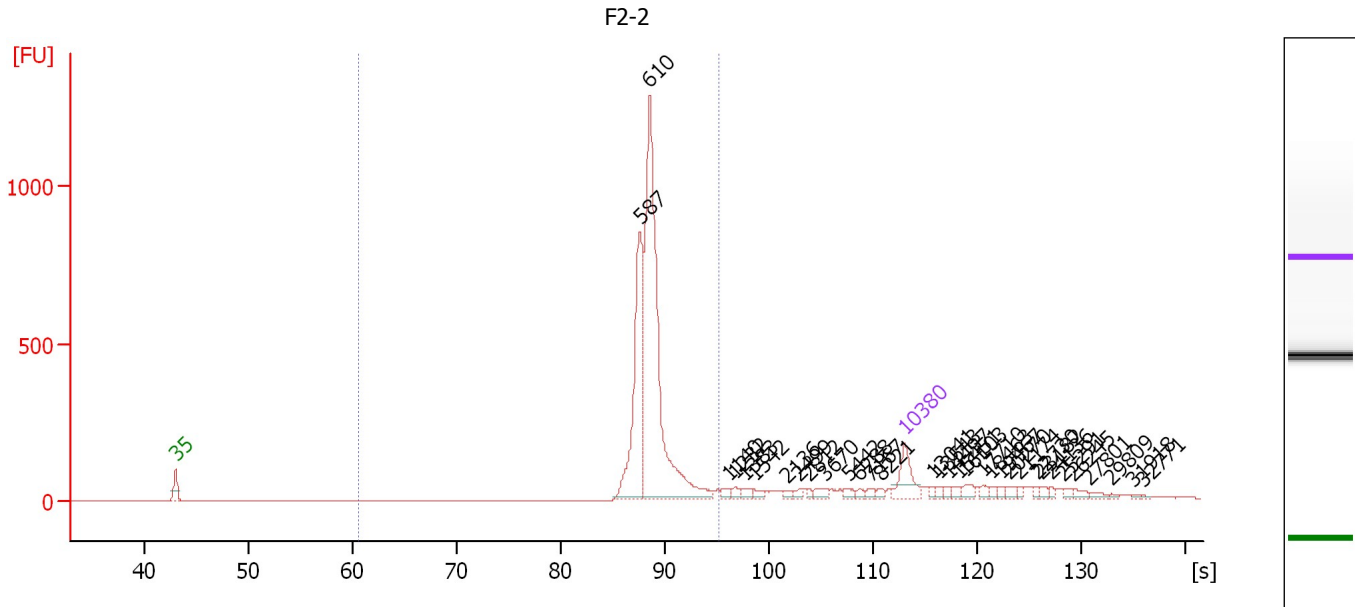
Region table for sample 10 : F2-1

From [s]	To [s]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	628	1,527.83	2,887.6	3,719.7	 77	10.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : F2-2

Number of peaks found: 33 Corr. Area 1: 3,068.7
 Noise: 0.7

Peak table for sample 11 : F2-2

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	587	474.04	1,223.5		87.56
3	610	991.74	2,462.7		88.49
4	1,140	15.57	20.7		96.08
5	1,232	14.12	17.4		96.64
6	1,383	14.05	15.4		97.56
7	1,542	13.61	13.4		98.54
8	2,136	10.14	7.2		101.77
9	2,499	9.96	6.0		102.90
10	2,812	7.31	3.9		103.87
11	3,670	16.37	6.8		105.31
12	5,442	12.42	3.5		107.56
13	6,288	10.07	2.4		108.64
14	7,167	9.70	2.0		109.72
15	8,221	9.54	1.8		110.79
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,041	0.00	0.0		115.72
18	13,543	0.00	0.0		116.23
19	14,497	0.00	0.0		117.21
20	15,451	0.00	0.0		118.18
21	16,103	0.00	0.0		118.85
22	17,710	0.00	0.0		120.49
23	18,463	0.00	0.0		121.26
24	19,467	0.00	0.0		122.28
25	20,270	0.00	0.0		123.10

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad


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Electropherogram Summary Continued ...

... Peak table for sample 11 : F2-2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	21,174	0.00	0.0		124.03
27	22,730	0.00	0.0		125.62
28	23,182	0.00	0.0		126.08
29	24,136	0.00	0.0		127.05
30	25,291	0.00	0.0		128.23
31	26,245	0.00	0.0		129.21
32	27,801	0.00	0.0		130.79
33	29,809	0.00	0.0		132.85
34	31,918	0.00	0.0		135.00
35	32,771	0.00	0.0		135.87

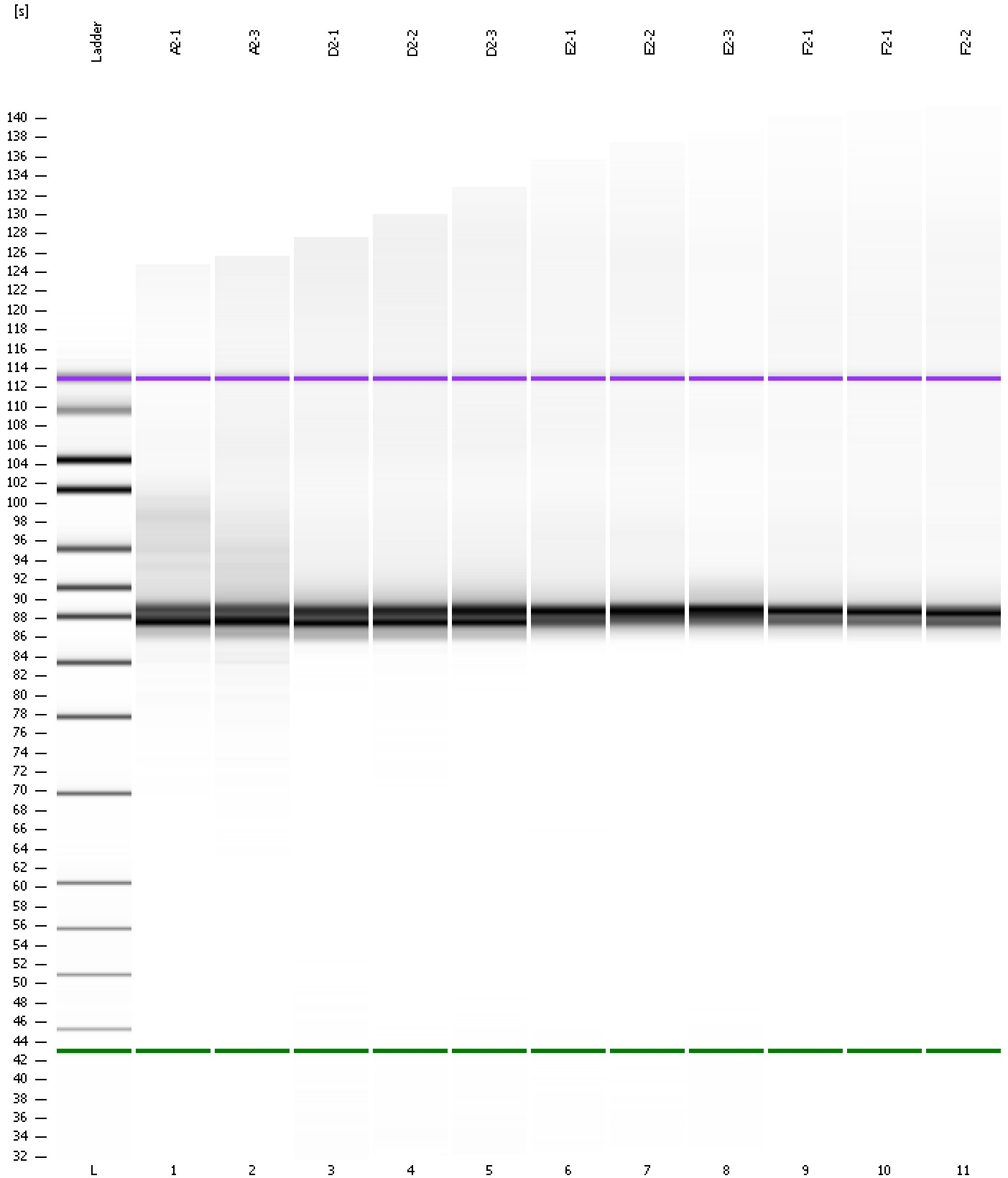
Region table for sample 11 : F2-2

From [s]	To [s]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
60.52	95.22	623	1,479.10	3,068.6	3,628.3	 75	10.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Gel Image

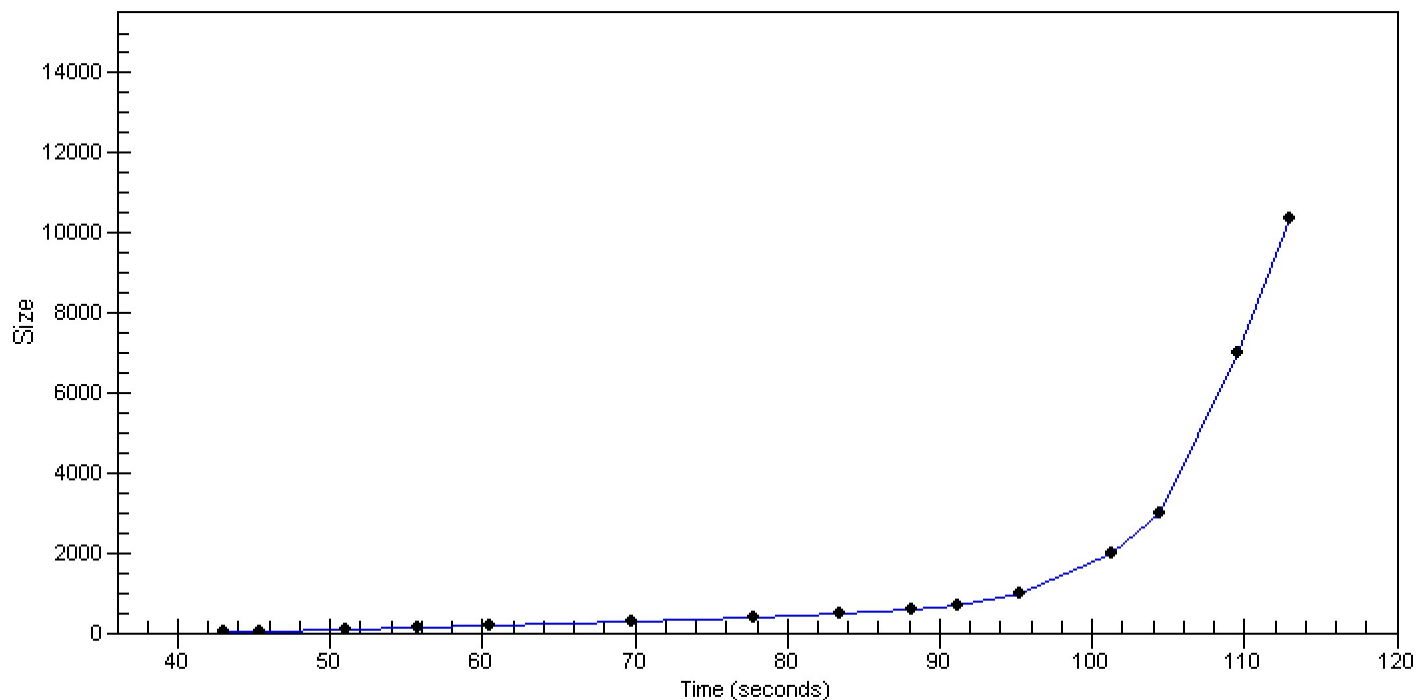


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

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Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad

Created: 9/5/2019 11:39:46 AM
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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		9/5/2019 12:20:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-09-05\2019-09-05_002.xad)		Instrument	Run		9/5/2019 11:39:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		9/5/2019 11:39:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/5/2019 11:39:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/5/2019 11:39:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		9/5/2019 11:39:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/5/2019 11:39:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/5/2019 11:39:51 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1