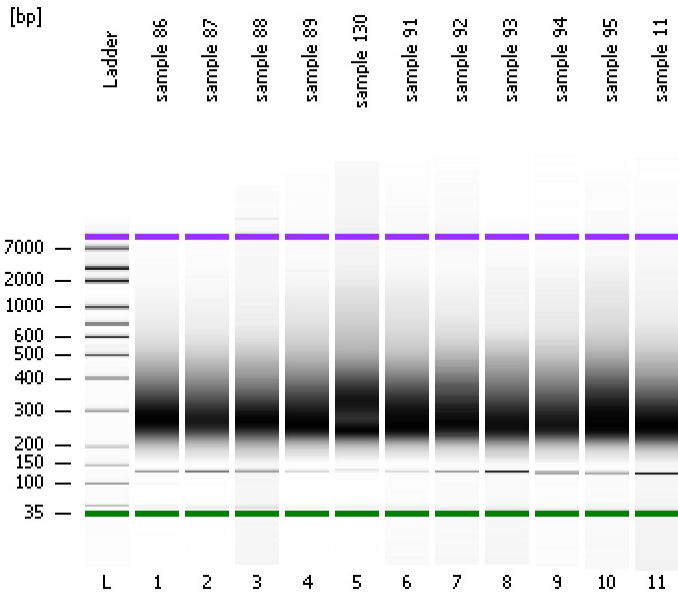


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

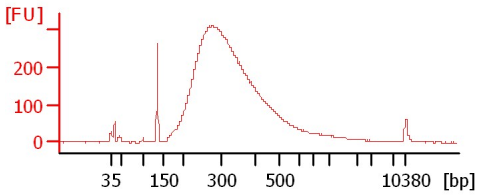
#### Assay Information:

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

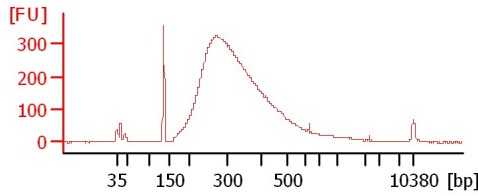
#### Chip Information:

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

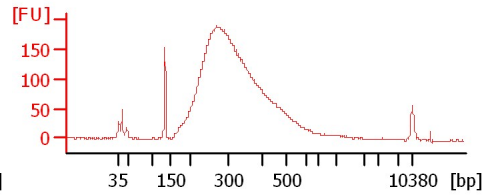
sample 86



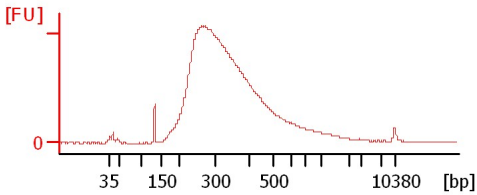
sample 87



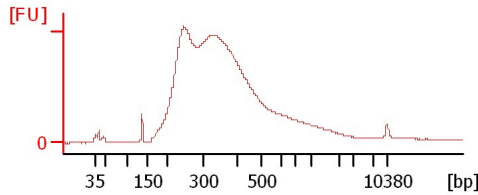
sample 88



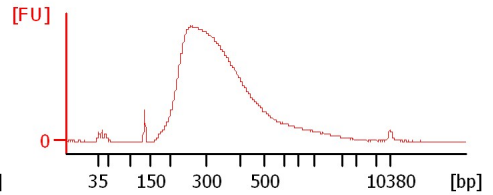
sample 89



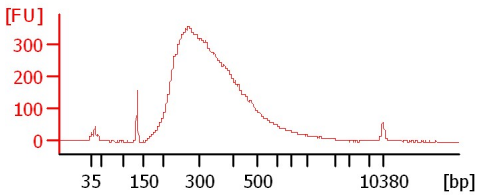
sample 130



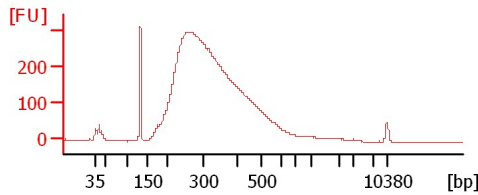
sample 91



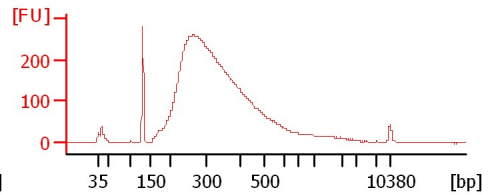
sample 92



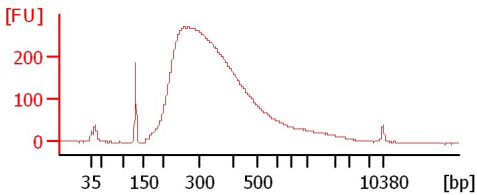
sample 93



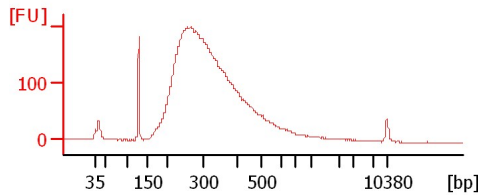
sample 94



sample 95



sample 11



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 86		<input type="checkbox"/>	✓			
sample 87		<input type="checkbox"/>	✓			
sample 88		<input type="checkbox"/>	✓			
sample 89		<input type="checkbox"/>	✓			
sample 130		<input type="checkbox"/>	✓			
sample 91		<input type="checkbox"/>	✓			
sample 92		<input type="checkbox"/>	✓			
sample 93		<input type="checkbox"/>	✓			
sample 94		<input type="checkbox"/>	✓			
sample 95		<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: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 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

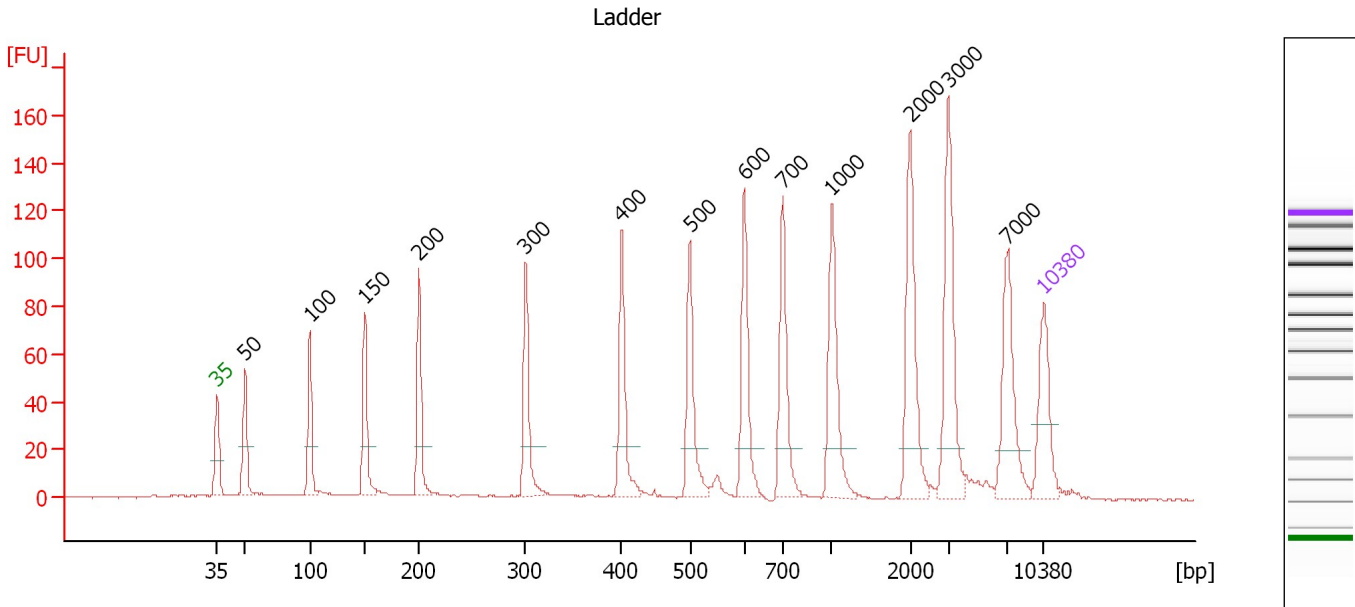
**Ladder**

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\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

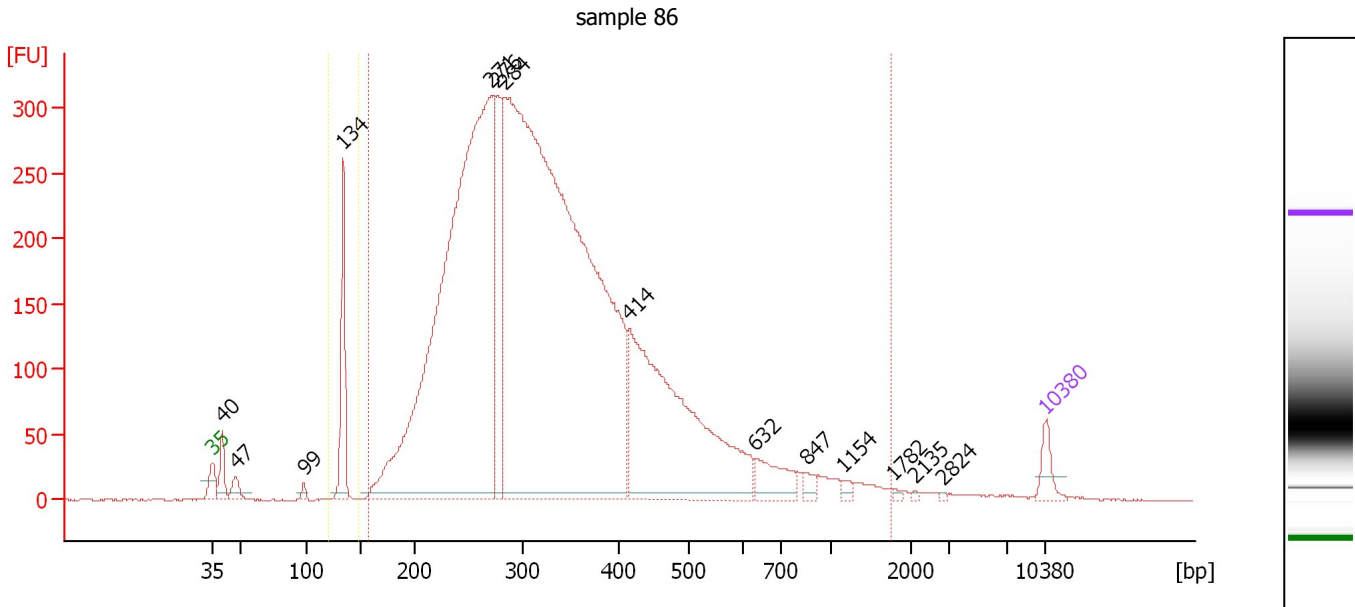
**Peak table for Ladder**

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	45.39
3	100	150.00	2,272.7	Ladder Peak	50.85
4	150	150.00	1,515.2	Ladder Peak	55.50
5	200	150.00	1,136.4	Ladder Peak	60.11
6	300	150.00	757.6	Ladder Peak	69.13
7	400	150.00	568.2	Ladder Peak	77.26
8	500	150.00	454.5	Ladder Peak	83.03
9	600	150.00	378.8	Ladder Peak	87.64
10	700	150.00	324.7	Ladder Peak	90.89
11	1,000	150.00	227.3	Ladder Peak	95.04
12	2,000	150.00	113.6	Ladder Peak	101.67
13	3,000	150.00	75.8	Ladder Peak	104.92
14	7,000	150.00	32.5	Ladder Peak	109.89
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 86**

Number of peaks found: 14                      Corr. Area 1: 7,407.0  
 Noise: 0.3    Corr. Area 2: 196.6

**Peak table for sample 1 : sample 86**

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	40	167.54	6,292.7		43.85
3	47	90.61	2,898.5		44.97
4	99	31.66	486.1		50.71
5	134	539.11	6,090.7		54.02
6	271	5,497.65	30,776.3		66.48
7	276	684.41	3,762.4		66.93
8	284	8,196.90	43,798.1		67.65
9	414	1,988.32	7,269.1		78.09
10	632	189.66	454.9		88.67
11	847	41.22	73.7		92.92
12	1,154	22.45	29.5		96.06
13	1,782	9.47	8.1		100.23
14	2,135	6.83	4.8		102.11
15	2,824	4.21	2.3		104.35
16	10,380	75.00	10.9	Upper Marker	113.00

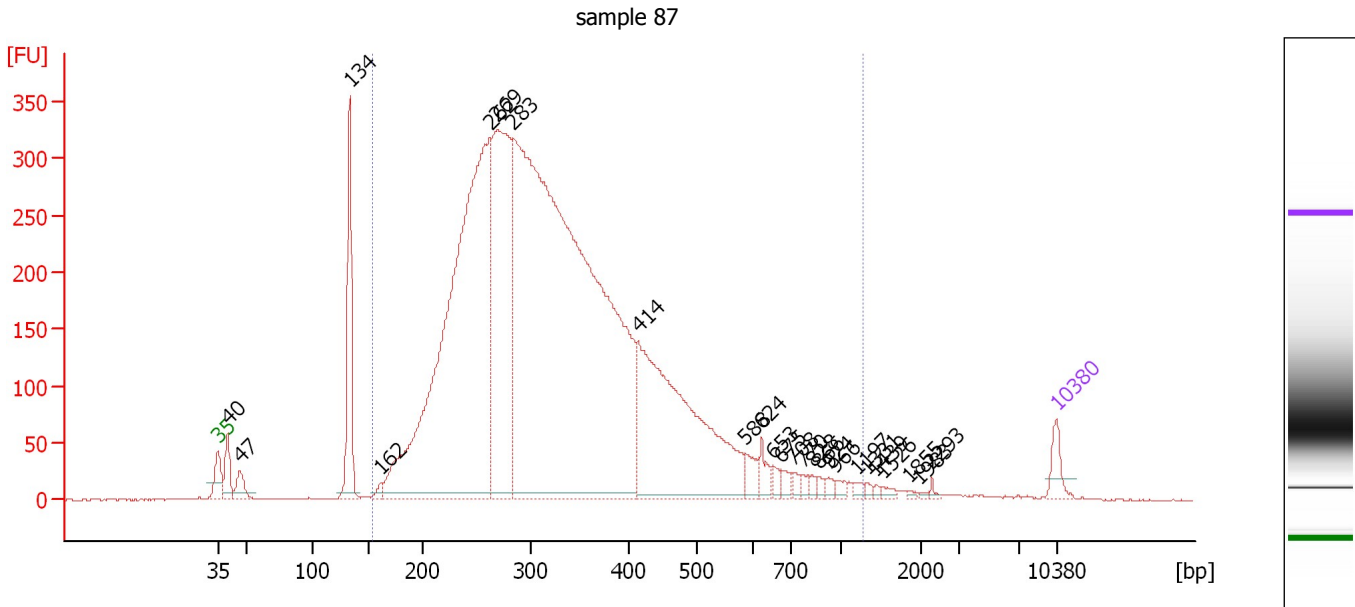
**Region table for sample 1 : sample 86**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
121	148	134	196.6	6,205.1	548.45	3	1.6
157	1,751	352	7,407.0	81,877.8	16,296.50	95	46.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 87**

Number of peaks found: 25                      Corr. Area 1: 7,648.2  
 Noise: 0.7

**Peak table for sample 2 : sample 87**

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	40	179.41	6,791.3		43.80
3	47	126.33	4,096.1		44.87
4	134	717.05	8,117.7		54.00
5	162	35.70	333.5		56.63
6	262	4,539.58	26,243.1		65.71
7	269	1,826.85	10,289.8		66.33
8	283	7,678.39	41,064.8		67.62
9	414	1,838.83	6,722.7		78.09
10	588	89.47	230.5		87.08
11	624	72.06	174.9		88.42
12	653	36.41	84.5		89.35
13	675	39.43	88.5		90.07
14	708	30.15	64.5		91.00
15	770	30.73	60.5		91.85
16	828	23.47	43.0		92.65
17	866	21.30	37.3		93.18
18	924	25.11	41.2		93.99
19	966	27.09	42.5		94.56
20	1,197	20.55	26.0		96.35
21	1,331	12.97	14.8		97.24
22	1,439	11.53	12.1		97.95
23	1,526	20.15	20.0		98.53
24	1,855	8.89	7.3		100.71
25	1,983	7.28	5.6		101.56

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...****... Peak table for sample 2 : sample 87**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,293	10.81	7.1		102.62
27	10,380	75.00	10.9	Upper Marker	113.00

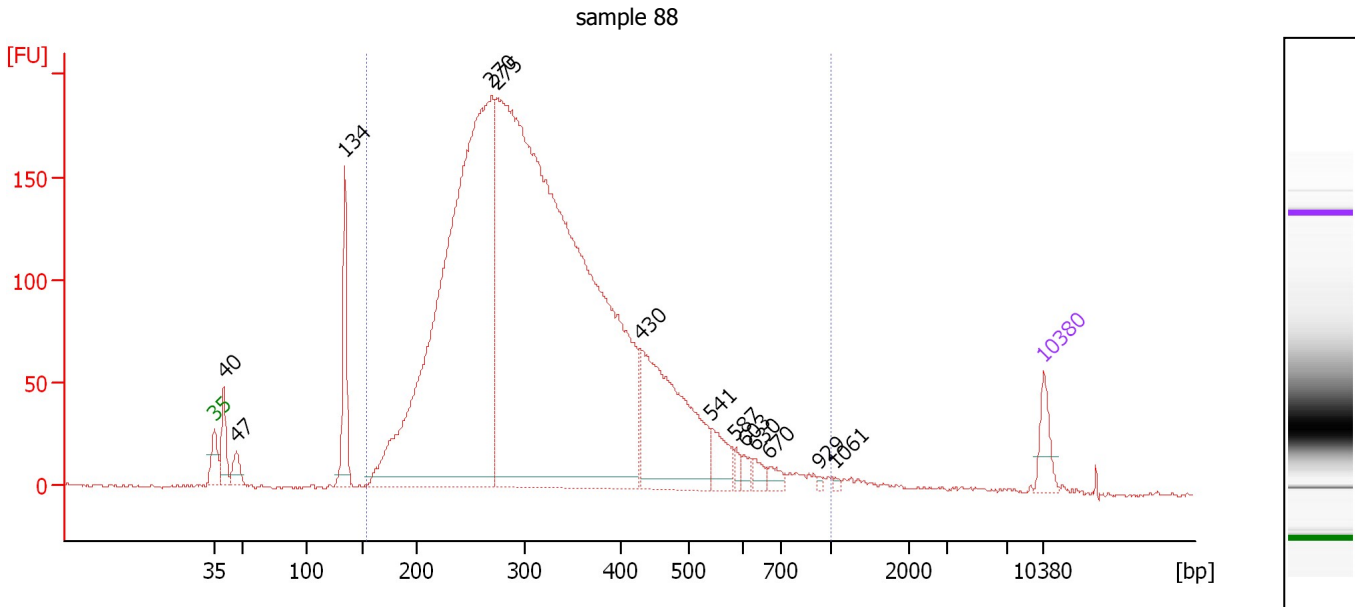
**Region table for sample 2 : sample 87**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
155	1,271	343	7,648.2	80,027.3	15,834.73	93	37.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 88**

Number of peaks found: 13                      Corr. Area 1: 4,320.8  
 Noise: 0.8

**Peak table for sample 3 : sample 88**

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	40	164.32	6,211.6		43.81
3	47	82.05	2,669.3		44.85
4	134	356.96	4,031.3		54.03
5	270	3,684.17	20,687.3		66.41
6	275	5,890.51	32,417.2		66.90
7	430	791.18	2,785.0		79.01
8	541	122.51	343.2		84.91
9	587	27.14	70.1		87.03
10	603	31.59	79.3		87.75
11	630	38.21	91.9		88.60
12	670	35.08	79.3		89.91
13	929	8.03	13.1		94.05
14	1,061	8.25	11.8		95.44
15	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 3 : sample 88**

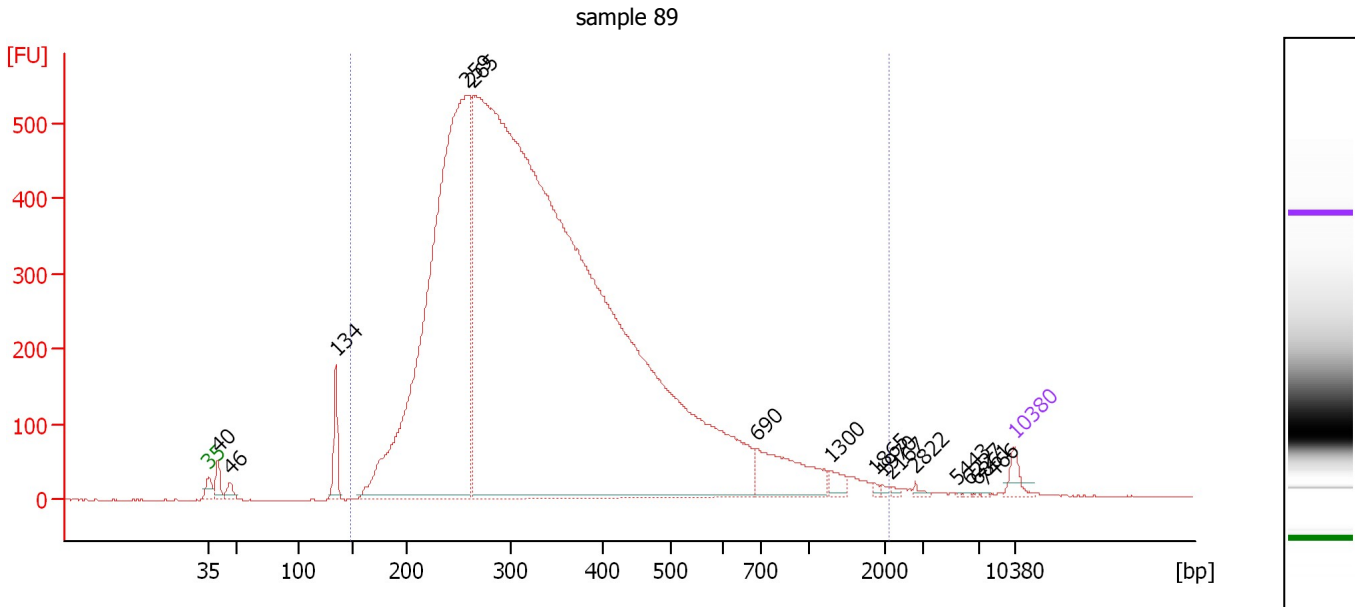
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
154	1,000	330	4,320.8	52,695.3	10,257.72	95	32.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 89**

Number of peaks found: 15                      Corr. Area 1: 13,308.2  
 Noise: 0.9

**Peak table for sample 4 : sample 89**

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	40	142.58	5,409.6		43.79
3	46	83.84	2,742.3		44.81
4	134	306.08	3,459.7		54.02
5	259	7,084.55	41,485.9		65.41
6	265	20,379.62	116,566.8		65.96
7	690	567.22	1,246.3		90.55
8	1,300	72.10	84.0		97.03
9	1,865	16.14	13.1		100.78
10	1,970	14.08	10.8		101.47
11	2,167	15.19	10.6		102.21
12	2,822	19.74	10.6		104.34
13	5,443	3.72	1.0		107.95
14	6,227	5.41	1.3		108.93
15	6,861	3.90	0.9		109.71
16	7,466	5.12	1.0		110.31
17	10,380	75.00	10.9	Upper Marker	113.00

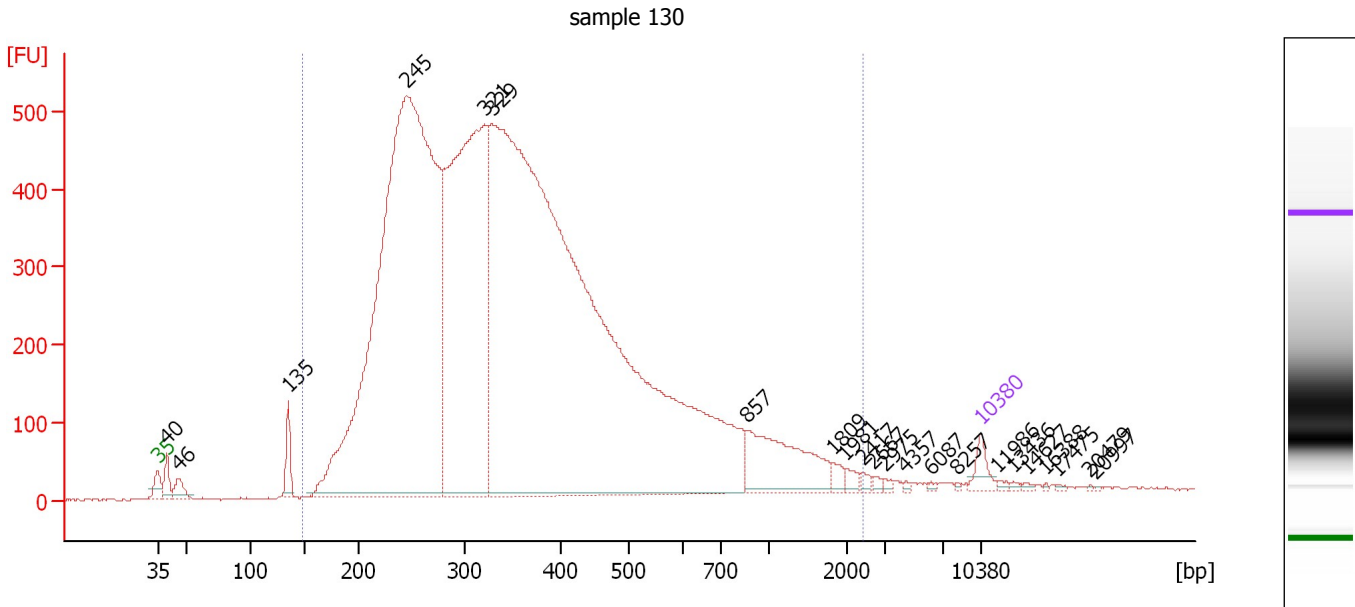
**Region table for sample 4 : sample 89**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
148	2,105	371	13,308.2	124,549.8	25,149.13	98	55.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 130**

Number of peaks found: 22                      Corr. Area 1: 14,414.0  
 Noise: 1.6

**Peak table for sample 5 : sample 130**

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	40	137.32	5,229.4		43.76
3	46	112.77	3,708.7		44.77
4	135	177.01	1,985.0		54.12
5	245	8,004.30	49,458.1		64.19
6	321	3,940.86	18,614.7		70.82
7	329	11,432.81	52,653.2		71.49
8	857	604.02	1,068.2		93.05
9	1,809	44.15	37.0		100.40
10	1,981	37.45	28.6		101.55
11	2,417	22.55	14.1		103.03
12	2,667	16.89	9.6		103.84
13	2,975	14.16	7.2		104.84
14	4,357	9.61	3.3		106.61
15	6,087	8.72	2.2		108.75
16	8,257	6.33	1.2		111.04
17	10,380	75.00	10.9	Upper Marker	113.00
18	11,986	0.00	0.0		114.48
19	13,436	0.00	0.0		115.82
20	14,627	0.00	0.0		116.91
21	16,388	0.00	0.0		118.54
22	17,475	0.00	0.0		119.54
23	20,479	0.00	0.0		122.30
24	20,997	0.00	0.0		122.78

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**

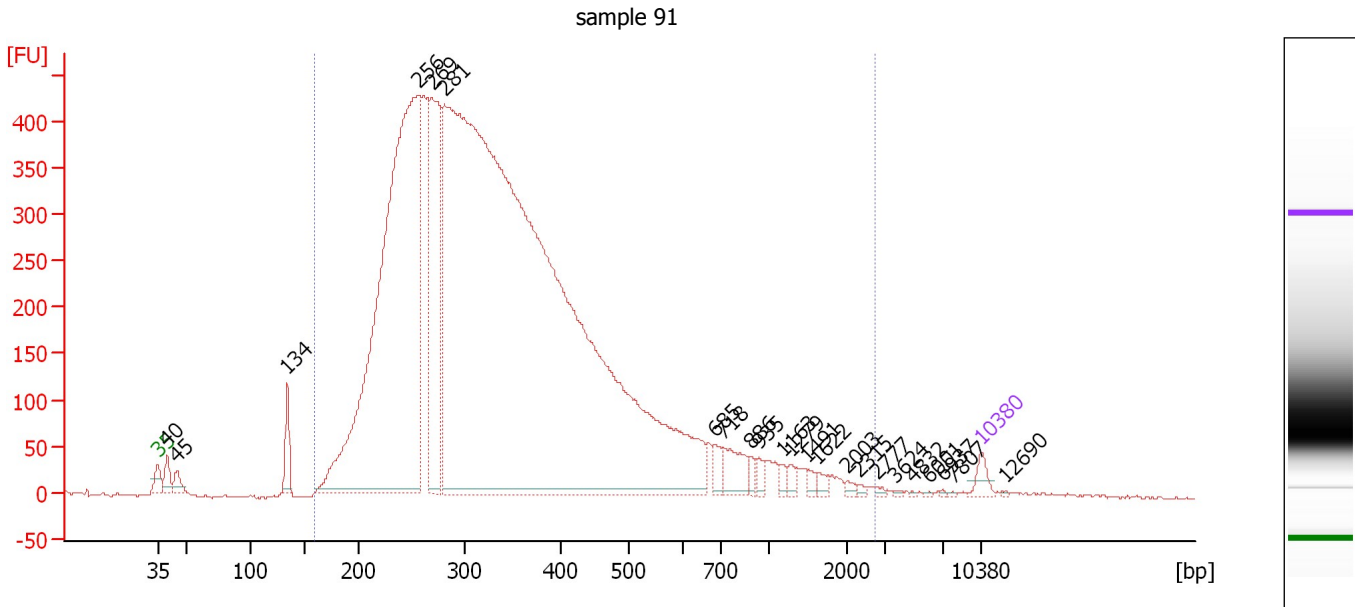
... Region table for sample 5 : sample 130

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
148	2,394	404	14,414.0	108,652.3	22,647.41	97	64.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sample 91**

Number of peaks found: 23                      Corr. Area 1: 10,988.0  
 Noise: 1.5

**Peak table for sample 6 : sample 91**


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	40	153.62	5,796.2		43.82
3	45	113.50	3,794.9		44.64
4	134	262.53	2,964.7		54.03
5	256	7,160.70	42,299.2		65.20
6	269	1,910.74	10,769.5		66.32
7	281	19,258.84	103,788.9		67.43
8	685	105.02	232.2		90.41
9	718	238.26	502.8		91.13
10	886	56.77	97.1		93.46
11	935	59.99	97.2		94.13
12	1,163	41.23	53.7		96.12
13	1,279	47.87	56.7		96.89
14	1,491	40.79	41.5		98.29
15	1,622	41.34	38.6		99.16
16	2,003	27.29	20.7		101.68
17	2,315	15.36	10.1		102.70
18	2,777	14.17	7.7		104.20
19	3,624	9.22	3.9		105.70
20	4,832	5.47	1.7		107.19
21	6,001	6.75	1.7		108.65
22	6,937	6.00	1.3		109.81
23	7,807	6.04	1.2		110.63
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,690	0.00	0.0		115.13

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**

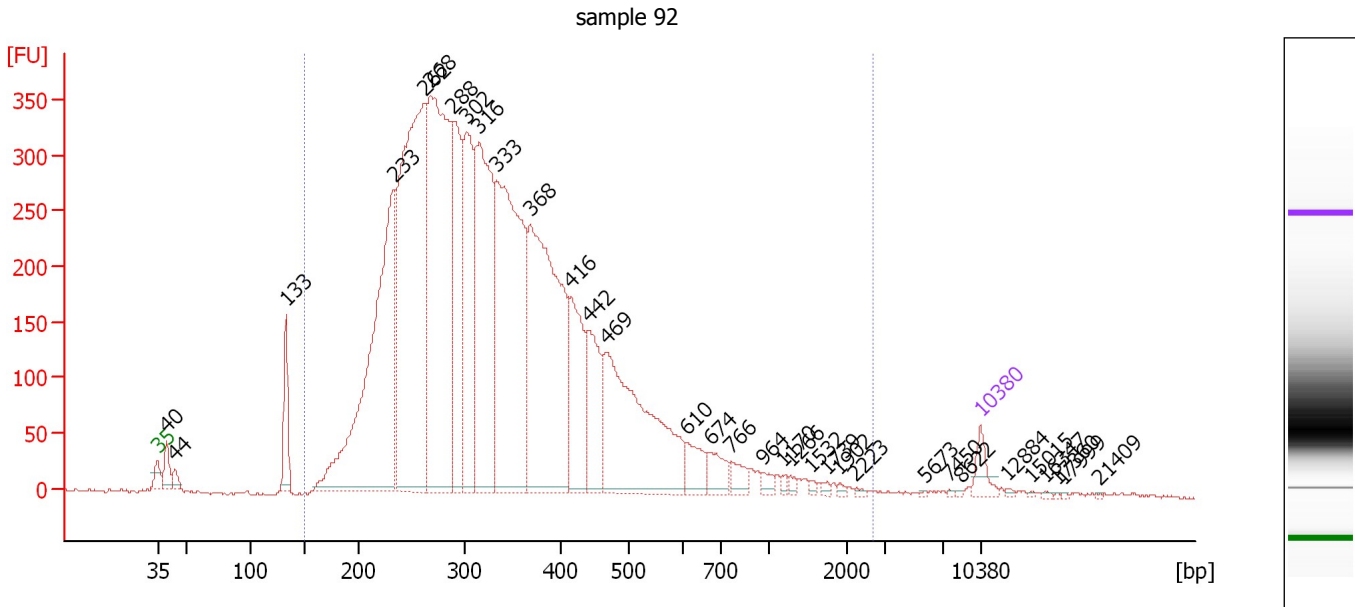
... Region table for sample 6 : sample 91

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
159	2,712	383	10,987.9	137,244.4	 27,912.46	97	64.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 92**

Number of peaks found: 33                      Corr. Area 1: 8,582.8  
 Noise: 1.6

**Peak table for sample 7 : sample 92**

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	40	134.91	5,119.6		43.79
3	44	58.25	1,995.3		44.47
4	133	288.74	3,282.6		53.95
5	233	2,265.20	14,734.8		63.08
6	262	2,685.32	15,544.2		65.68
7	268	2,355.34	13,329.4		66.22
8	288	919.05	4,828.4		68.08
9	302	912.59	4,584.5		69.26
10	316	1,492.44	7,167.1		70.39
11	333	1,906.27	8,672.7		71.81
12	368	1,888.50	7,773.8		74.66
13	416	532.55	1,938.3		78.20
14	442	443.27	1,520.3		79.67
15	469	1,269.36	4,101.0		81.24
16	610	146.15	362.9		87.96
17	674	120.62	271.3		90.03
18	766	74.21	146.9		91.79
19	964	35.23	55.4		94.54
20	1,170	17.30	22.4		96.16
21	1,266	16.49	19.7		96.80
22	1,532	11.85	11.7		98.57
23	1,739	13.56	11.8		99.94
24	1,902	10.92	8.7		101.02
25	2,223	8.09	5.5		102.40

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : sample 92**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,673	3.84	1.0		108.24
27	7,450	4.79	1.0		110.30
28	8,622	4.40	0.8		111.38
29	10,380	75.00	10.9	Upper Marker	113.00
30	12,884	0.00	0.0		115.31
31	15,015	0.00	0.0		117.27
32	16,347	0.00	0.0		118.50
33	17,360	0.00	0.0		119.43
34	17,999	0.00	0.0		120.02
35	21,409	0.00	0.0		123.16

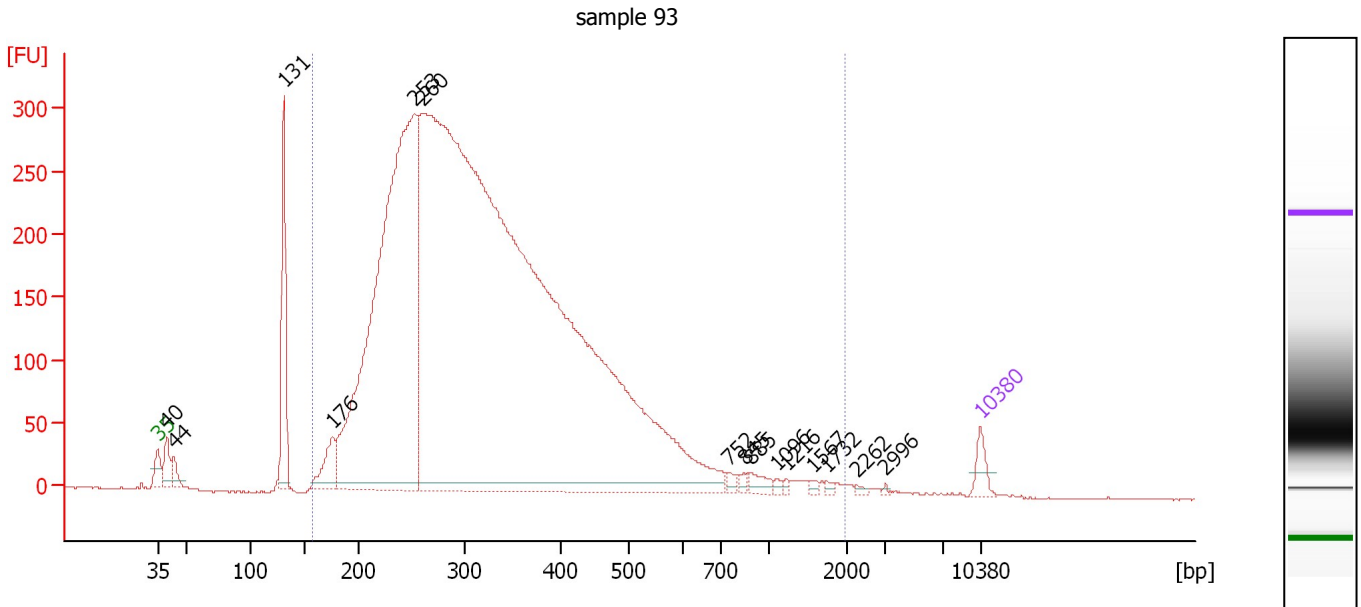
**Region table for sample 7 : sample 92**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
151	2,694	366	8,582.8	84,902.6	17,188.40	97	55.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 93**

Number of peaks found: 15                      Corr. Area 1: 7,190.7  
 Noise: 0.9

**Peak table for sample 8 : sample 93**

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	40	174.94	6,629.8		43.79
3	44	101.82	3,528.8		44.39
4	131	775.03	8,972.6		53.72
5	176	259.39	2,233.3		57.89
6	253	5,198.06	31,123.6		64.89
7	260	16,047.11	93,442.6		65.54
8	752	31.66	63.8		91.60
9	845	26.51	47.5		92.89
10	885	66.25	113.5		93.44
11	1,096	17.46	24.1		95.67
12	1,216	14.36	17.9		96.47
13	1,567	18.84	18.2		98.80
14	1,732	16.58	14.5		99.89
15	2,262	13.48	9.0		102.52
16	2,996	6.88	3.5		104.91
17	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 8 : sample 93**

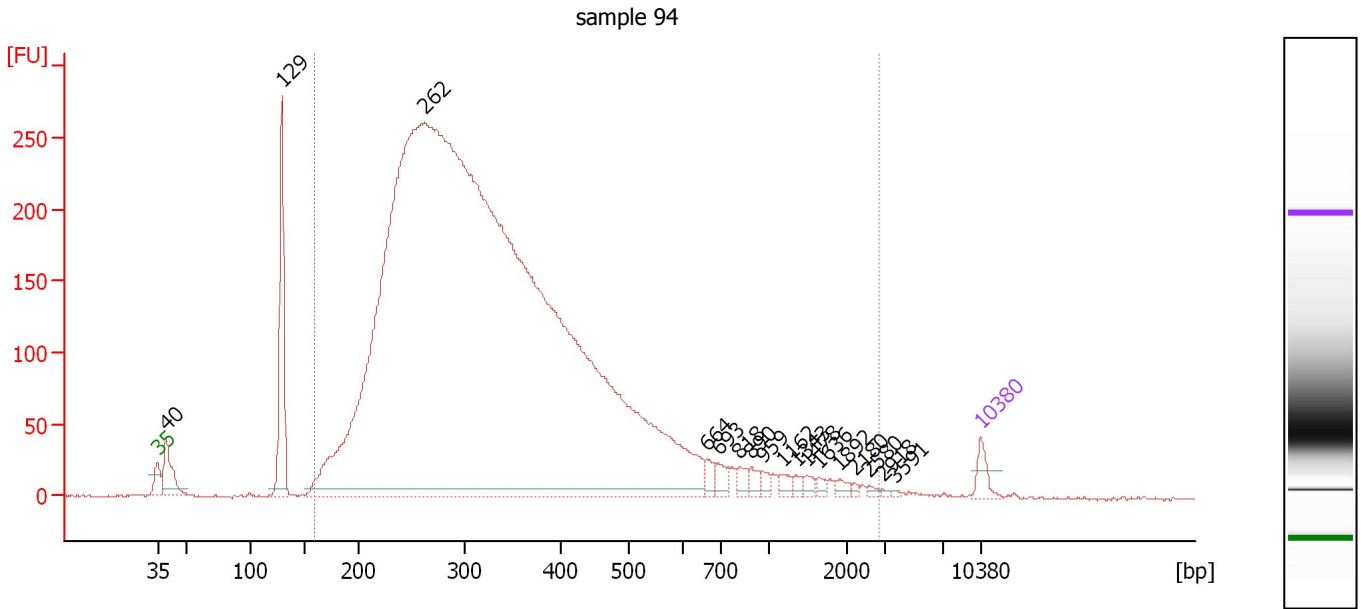
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
157	1,975	350	7,190.7	98,821.0	19,384.52	95	50.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 :** sample 94

Number of peaks found: 17                      Corr. Area 1: 6,163.5  
 Noise: 1.0

**Peak table for sample 9 :** sample 94

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	40	335.11	12,789.5		43.75
3	129	903.12	10,569.4		53.59
4	262	22,188.26	128,140.1		65.73
5	664	70.04	159.8		89.72
6	693	76.64	167.5		90.67
7	818	57.88	107.2		92.51
8	890	52.79	89.9		93.51
9	959	40.96	64.7		94.46
10	1,162	44.16	57.6		96.11
11	1,343	29.99	33.8		97.31
12	1,478	36.20	37.1		98.21
13	1,636	27.06	25.1		99.26
14	1,892	32.68	26.2		100.96
15	2,180	12.49	8.7		102.26
16	2,580	17.18	10.1		103.56
17	2,918	9.44	4.9		104.66
18	3,591	7.24	3.1		105.66
19	10,380	75.00	10.9	Upper Marker	113.00

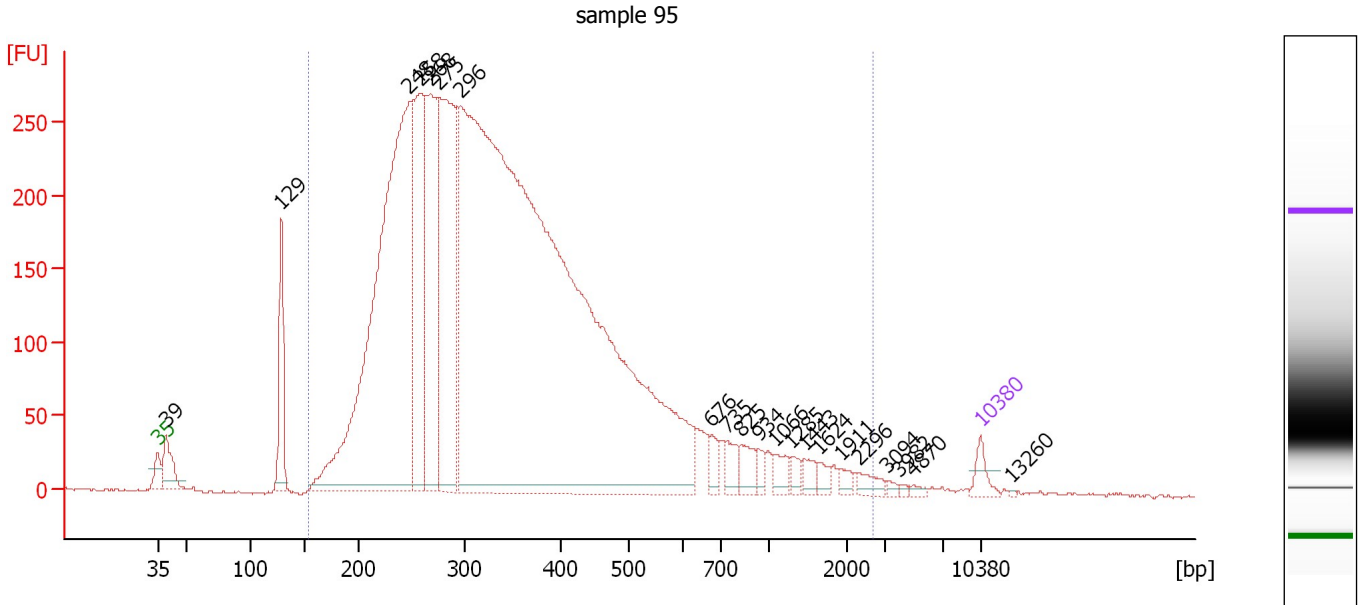
**Region table for sample 9 :** sample 94

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
158	2,837	376	6,163.5	102,923.3	20,482.86	95	67.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

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 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : sample 95**

Number of peaks found: 21                      Corr. Area 1: 7,189.1  
 Noise: 1.0

**Peak table for sample 10 : sample 95**

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	39	298.21	11,469.0		43.70
3	129	539.66	6,356.6		53.52
4	248	4,683.30	28,621.7		64.43
5	258	1,378.73	8,099.8		65.33
6	268	1,411.64	7,984.0		66.23
7	275	2,052.60	11,304.9		66.88
8	296	13,188.33	67,466.4		68.79
9	676	87.91	196.9		90.12
10	735	115.93	239.0		91.37
11	825	128.24	235.4		92.62
12	934	56.47	91.6		94.12
13	1,066	88.21	125.4		95.47
14	1,285	54.42	64.2		96.93
15	1,443	62.53	65.6		97.98
16	1,624	51.68	48.2		99.18
17	1,911	43.50	34.5		101.08
18	2,296	63.01	41.6		102.64
19	3,094	18.20	8.9		105.04
20	3,982	12.60	4.8		106.14
21	4,870	18.03	5.6		107.24
22	10,380	75.00	10.9	Upper Marker	113.00
23	13,260	0.00	0.0		115.65

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**

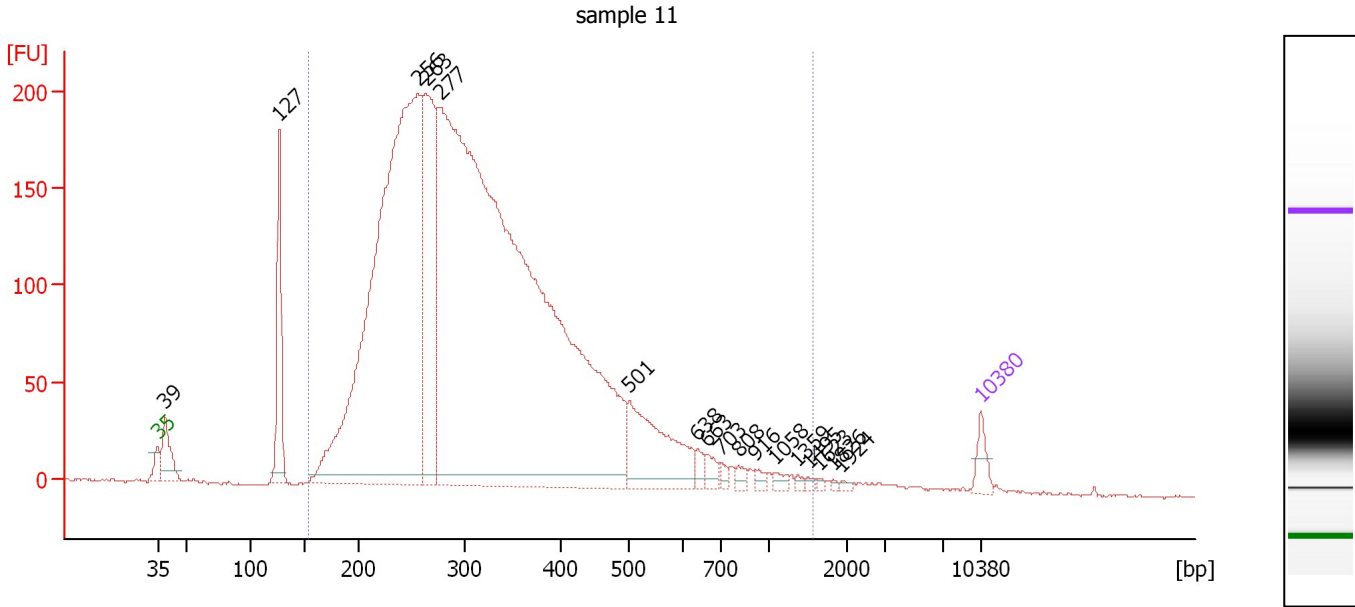
... Region table for sample 10 : sample 95

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
154	2,681	396	7,189.1	106,849.7	21,943.27	96	68.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

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 Modified: 3/28/2016 5:08:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 17                      Corr. Area 1: 4,563.3  
 Noise: 0.7

**Peak table for sample 11 : sample 11**

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	39	271.73	10,537.8		43.65
3	127	619.46	7,407.9		53.34
4	256	5,099.40	30,170.1		65.17
5	263	1,341.51	7,720.1		65.82
6	277	9,608.65	52,641.6		67.02
7	501	651.32	1,968.5		83.09
8	638	55.08	130.7		88.88
9	663	56.87	130.0		89.68
10	703	32.49	70.0		90.93
11	808	37.26	69.9		92.38
12	916	27.60	45.6		93.88
13	1,058	29.18	41.8		95.43
14	1,359	14.45	16.1		97.42
15	1,495	14.02	14.2		98.32
16	1,623	11.70	10.9		99.17
17	1,826	8.13	6.7		100.52
18	1,924	13.03	10.3		101.17
19	10,380	75.00	10.9	Upper Marker	113.00

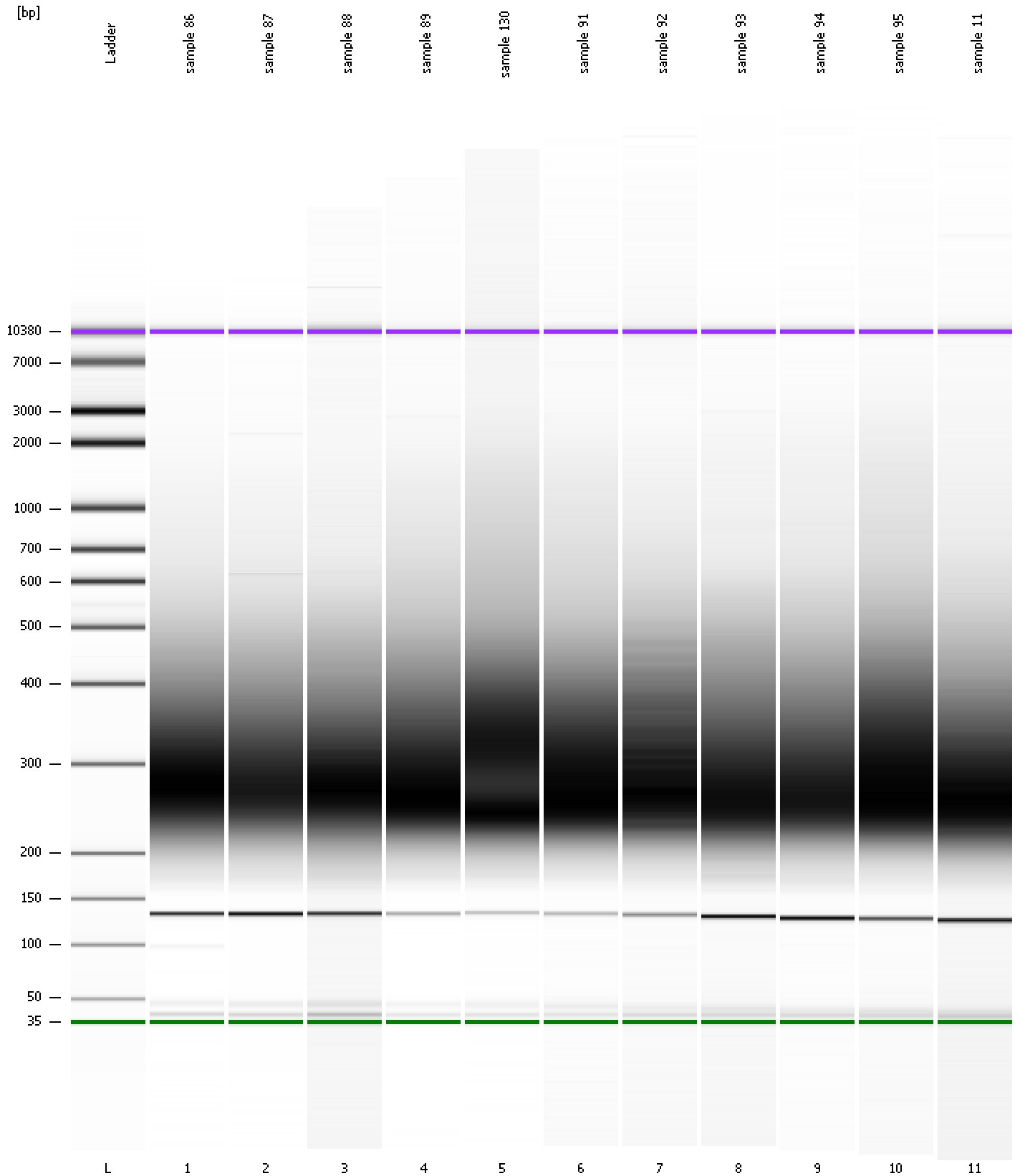
**Region table for sample 11 : sample 11**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
154	1,555	339	4,563.3	83,326.7	16,101.47	94	42.7

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 PM

**Gel Image**

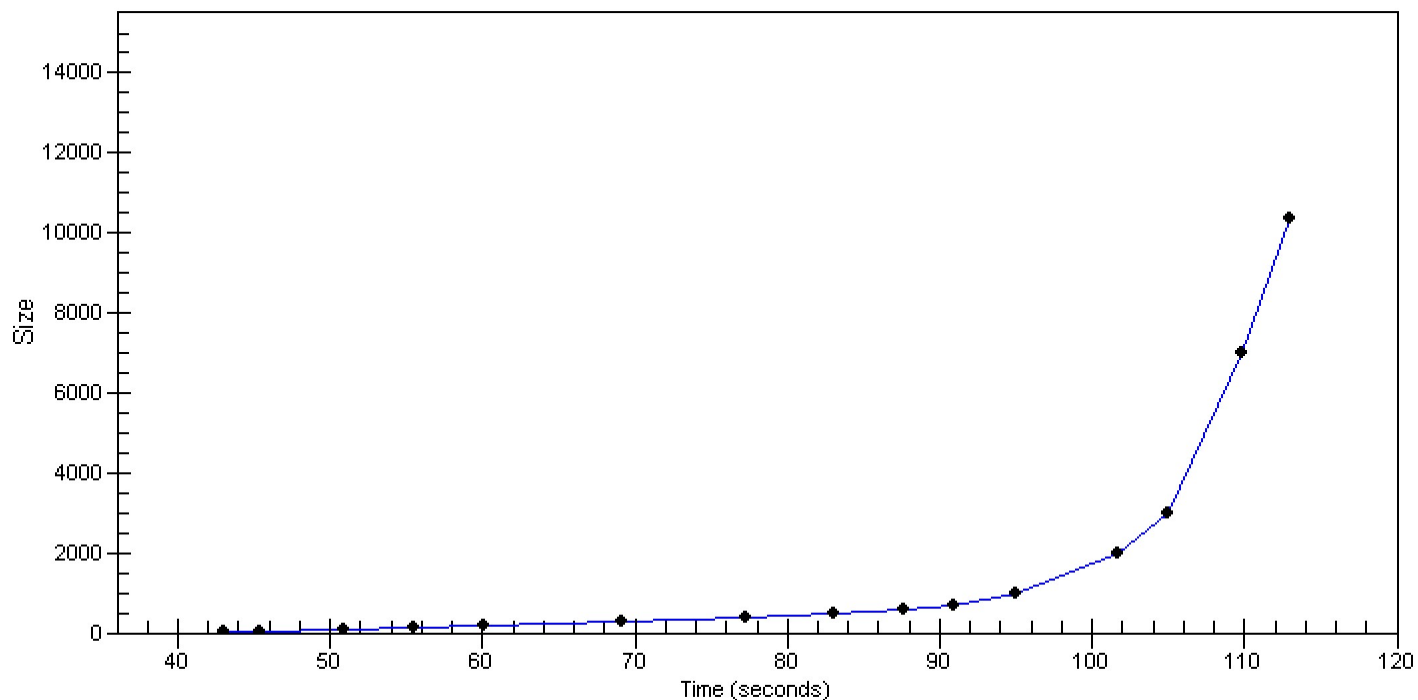


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
Modified: 3/28/2016 5:08:20 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-28\2016-03-28\_003.xad

Created: 3/28/2016 4:22:06 PM  
 Modified: 3/28/2016 5:08:20 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		3/28/2016 5:03:26 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\2016-03-28\2016-03-28_003.xad)		Instrument	Run		3/28/2016 4:22:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/28/2016 4:22:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/28/2016 4:22:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/28/2016 4:22:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/28/2016 4:22:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/28/2016 4:22:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/28/2016 4:22:12 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1