Assay Class:	High Sensitivity DNA Assay	Created:	7/13/2012 1:19:06 PM
Data Path:	C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad	Modified:	7/13/2012 1:54:12 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 #:
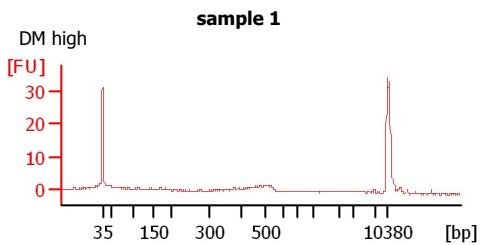
Chip Comments:

sample 1 — DM high

sample 2 — DM

sample 3 — Mock 1-3 7/6

sample 4 — Mock 1-3

sample 5 — Mock 1-3 High

Printed: 7/16/2012 8:16:40 AM

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 PM

Electrophoresis File Run Summary (Chip Summary)

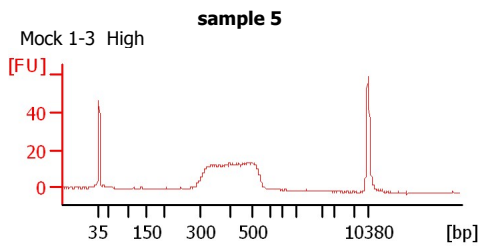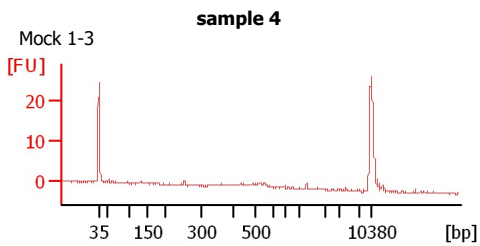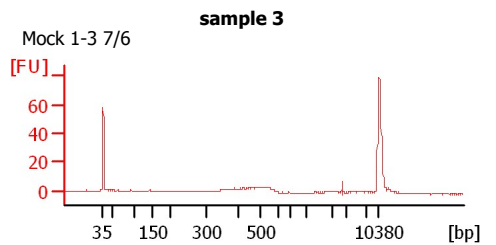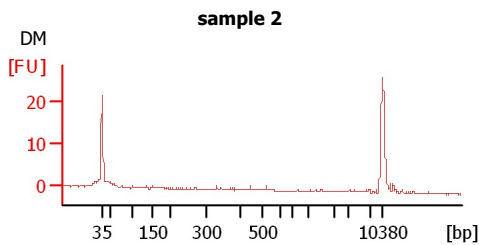| Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1	DM high	☐	✔			
sample 2	DM	☐	✔			
sample 3	Mock 1-3 7/6	☐	✔			
sample 4	Mock 1-3	☐	✔			
sample 5	Mock 1-3 High	☐	✔			
sample 6		☐				
sample 7		☐				
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 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:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 PM

**Electropherogram Summary**
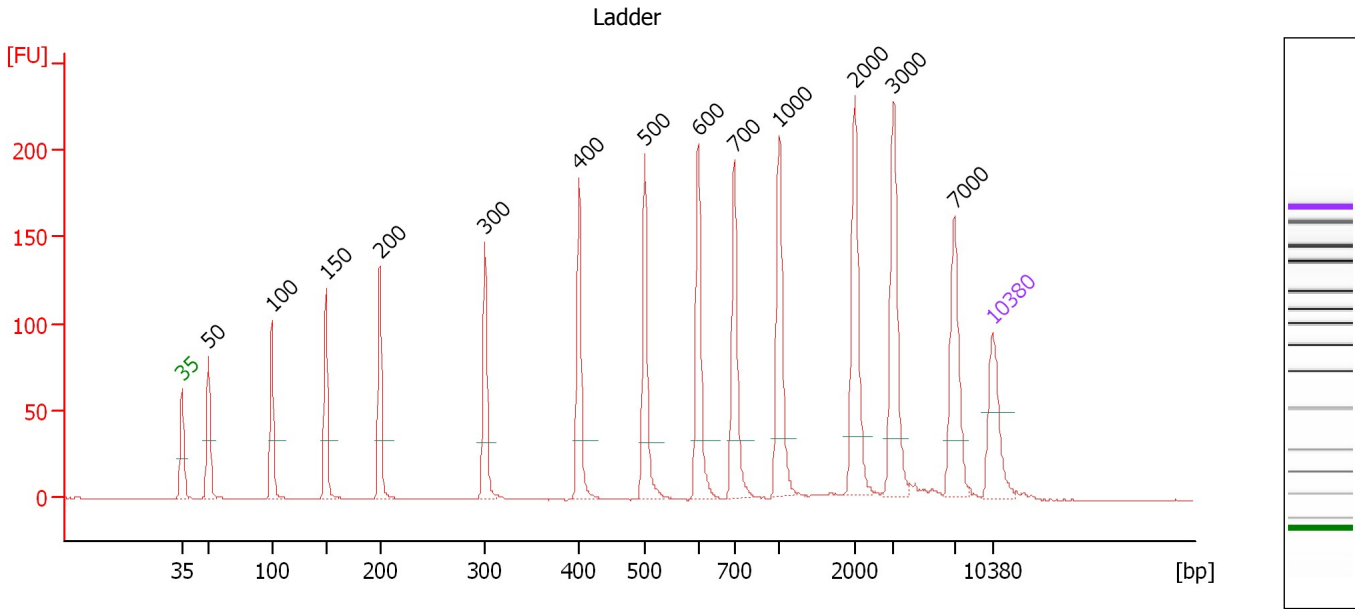
Overall Results for Ladder

Noise: 0.1

Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 PM

Electropherogram Summary Continued ...

sample 1 [DM high]
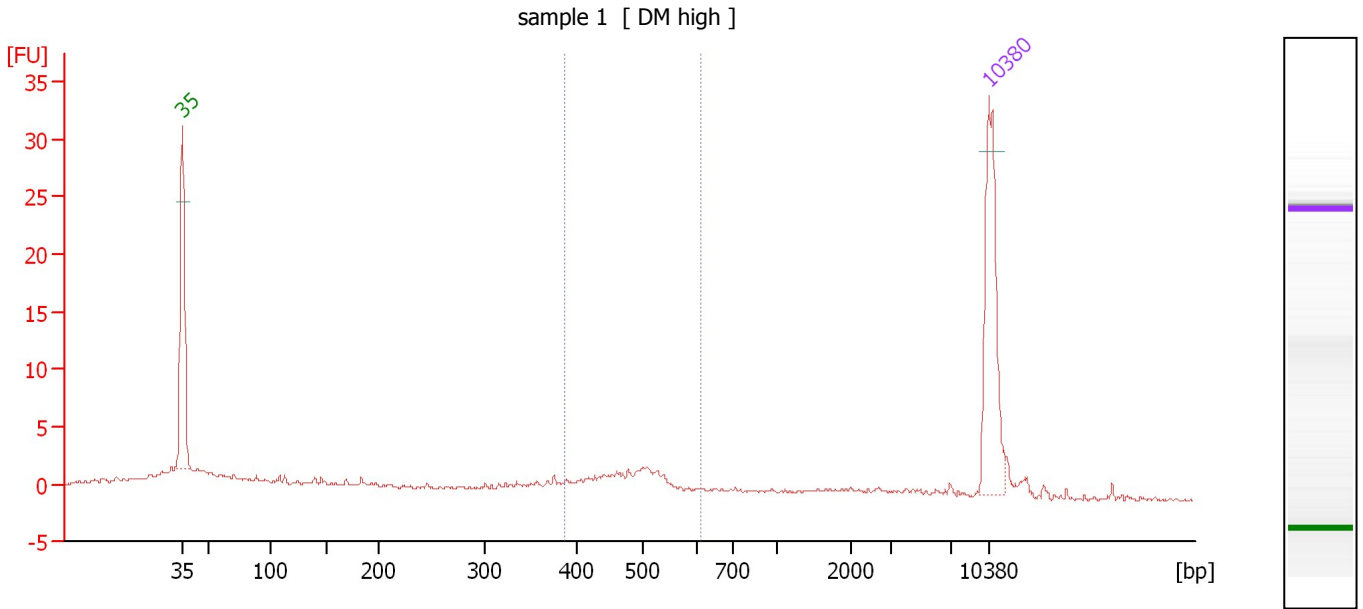
Overall Results for sample 1 :   sample 1

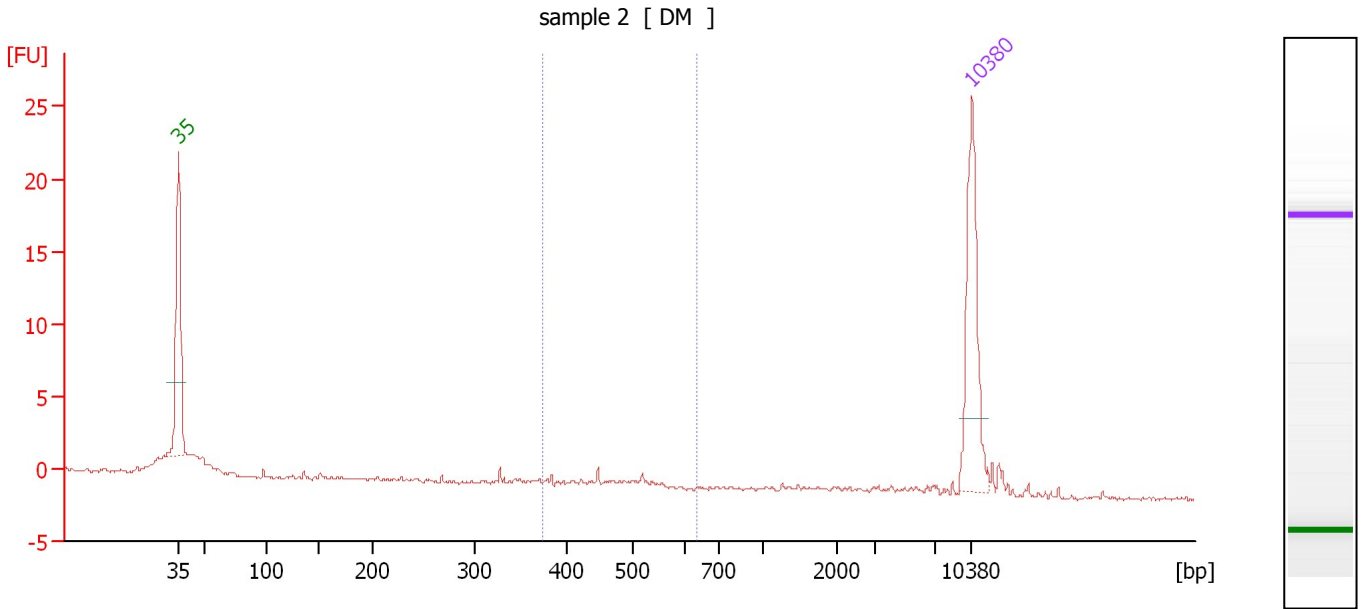|			
Number of peaks found:	0	Corr. Area 1:	17.1
Noise:	0.1		

Region table for sample 1 :   sample 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
386	611	479	161.9	50.56	17.1	25	10.5	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 PM

Electropherogram Summary Continued ...

sample 2 [DM]

Overall Results for sample 2 : sample 2

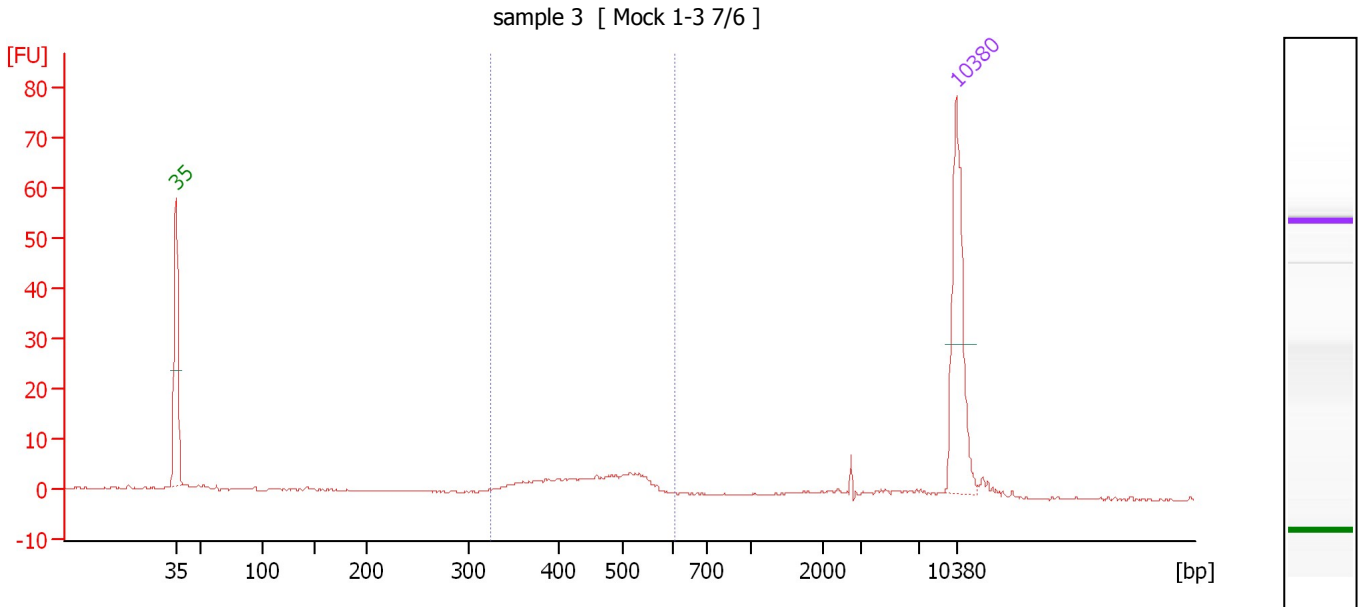|			
Number of peaks found:	0	Corr. Area 1:	2.5
Noise:	0.1		

Region table for sample 2 : sample 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
374	636	471	33.2	10.16	2.5	12	10.7	■

Electropherogram Summary Continued ...

sample 3 [Mock 1-3 7/6]

Overall Results for sample 3 :   sample 3

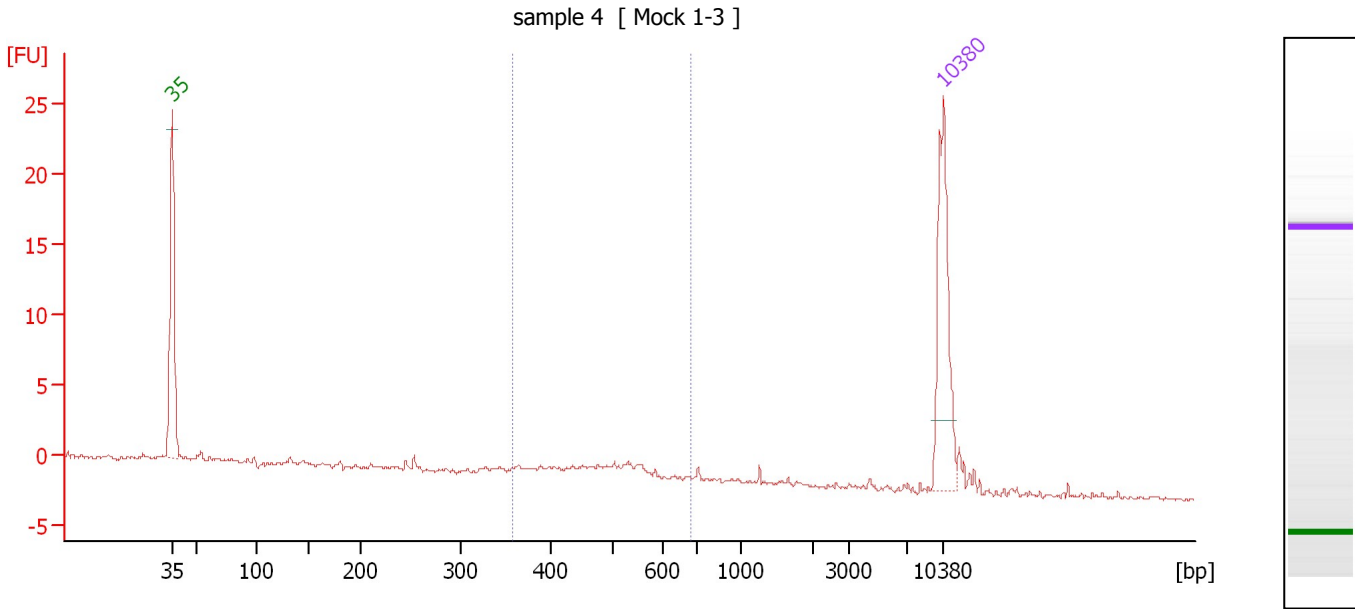|			
Number of peaks found:	0	Corr. Area 1:	53.3
Noise:	0.1		

Region table for sample 3 :   sample 3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
326	606	453	249.0	72.22	53.3	59	14.8	■

Electropherogram Summary Continued ...

sample 4 [Mock 1-3]

Overall Results for sample 4 : ___sample 4___

Number of peaks found:	0	Corr. Area 1:	11.1
Noise:	0.2		

Region table for sample 4 : ___sample 4___

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
358	680	481	136.6	42.07	11.1	41	15.1	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 PM

Electropherogram Summary Continued ...

sample 5 [Mock 1-3 High]
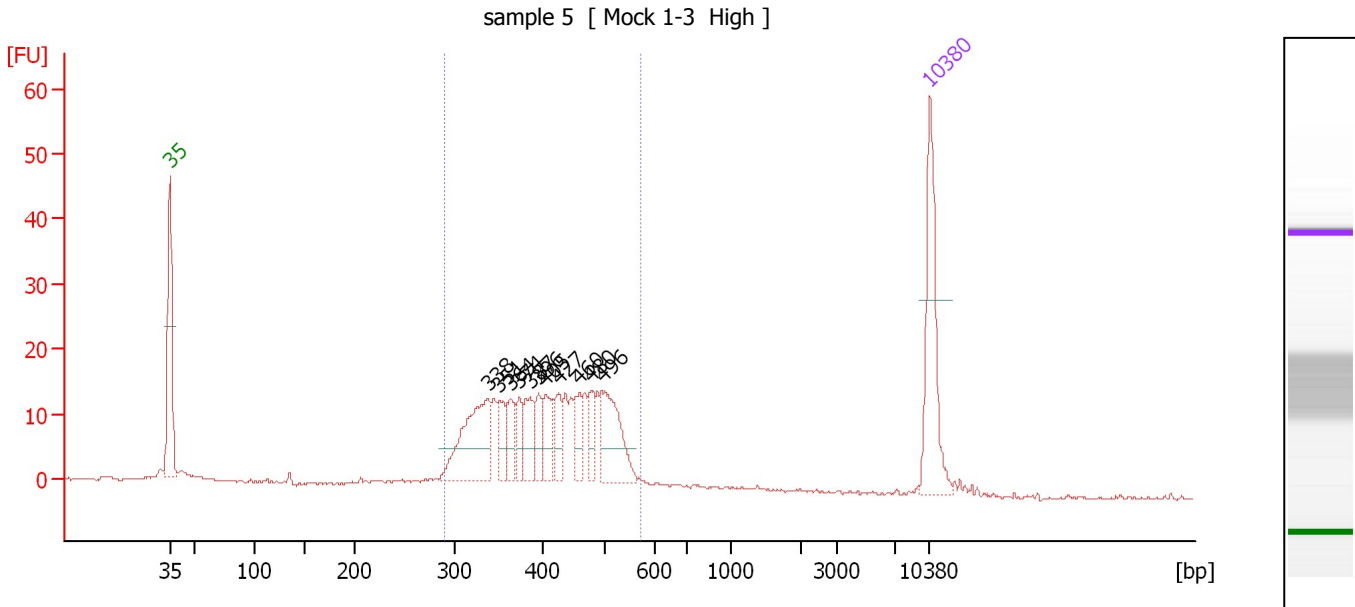
Overall Results for sample 5 : sample 5

Number of peaks found:	11	Corr. Area 1:	279.0
Noise:	0.1		

Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
2	338	105.27	471.5	
3	351	25.01	108.0	
4	364	26.16	108.8	
5	374	20.96	84.9	
6	387	33.37	130.7	
7	396	22.43	85.9	
8	405	30.11	112.6	
9	427	20.43	72.5	
10	460	23.41	77.1	
11	480	20.68	65.3	
12	496	66.60	203.3	

Region table for sample 5 : sample 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
291	575	413	2,055.2	539.94	279.0	89	16.7	▪

| Assay Class: | High Sensitivity DNA Assay | Created: | 7/13/2012 1:19:06 PM |
| Data Path: | C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad | Modified: | 7/13/2012 1:54:12 PM |

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

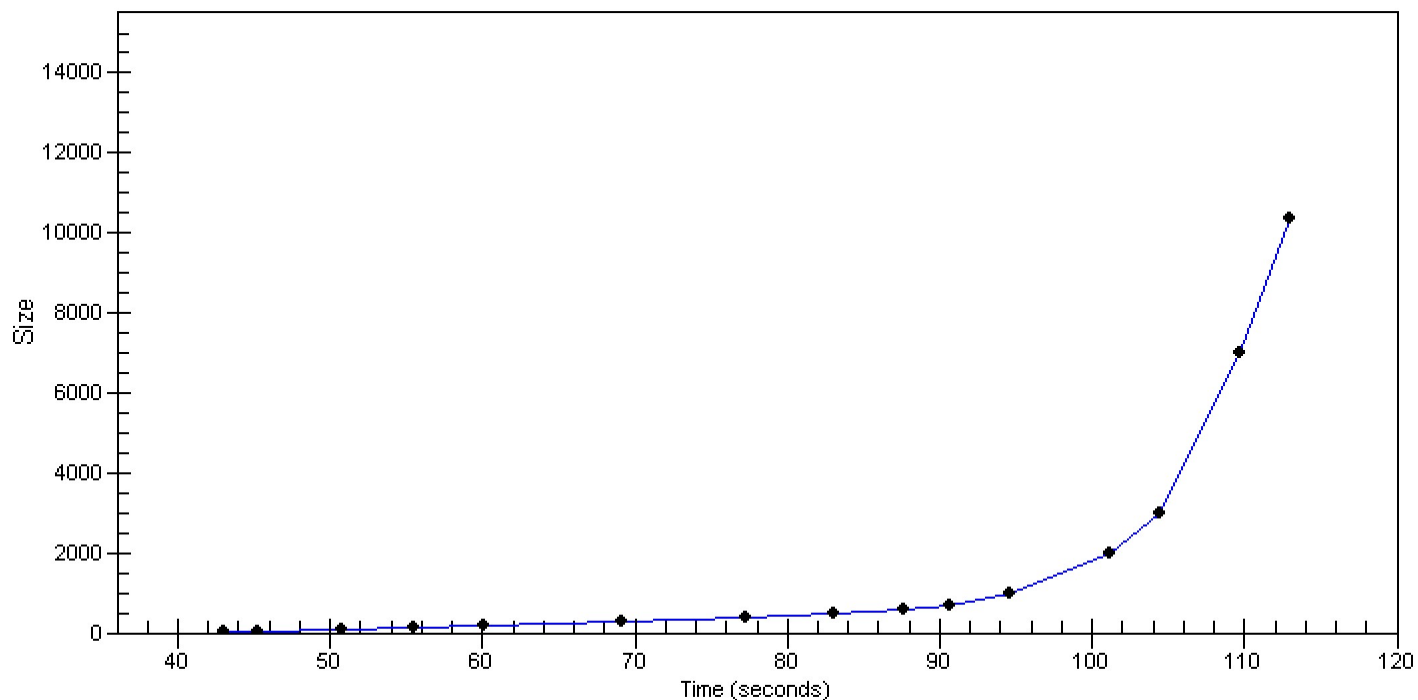Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 PM

Curves

Standard Curve

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-07-13\2012-07-13_003.xad

Created: 7/13/2012 1:19:06 PM
Modified: 7/13/2012 1:54:12 PM

Invalid Samples

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.