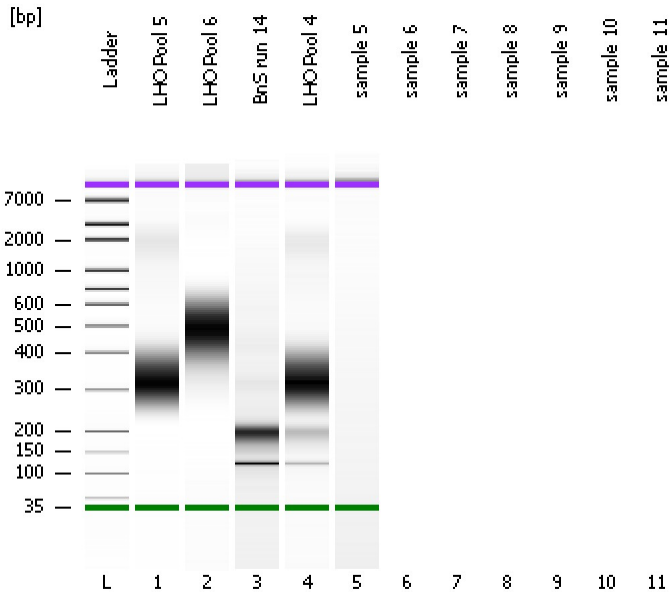


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
Modified: 11/5/2013 9:54:48 AM

Electrophoresis File Run Summary



Instrument Information:

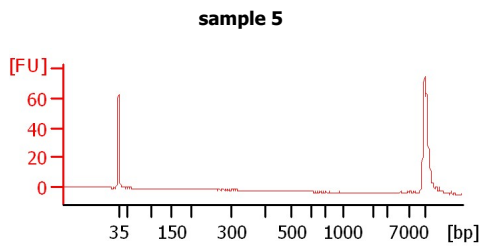
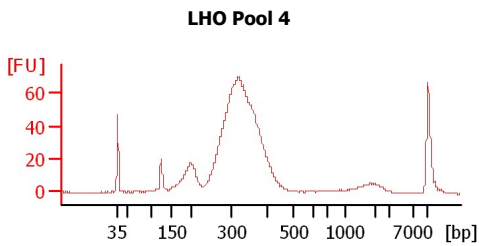
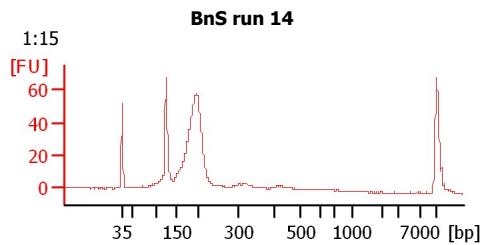
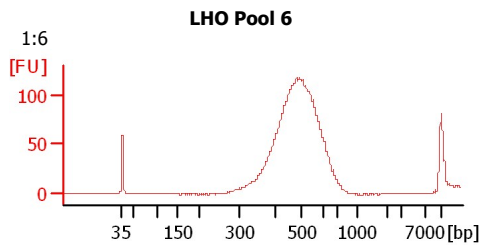
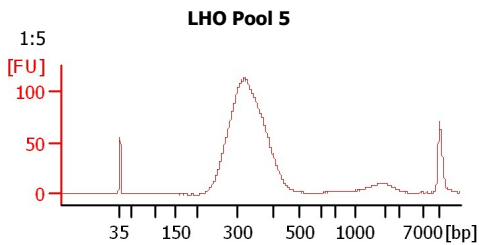
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
 Modified: 11/5/2013 9:54:48 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LHO Pool 5	1:5	<input type="checkbox"/>	✓			
LHO Pool 6	1:6	<input type="checkbox"/>	✓			
BnS run 14	1:15	<input type="checkbox"/>	✓			
LHO Pool 4		<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: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
Modified: 11/5/2013 9:54:48 AM

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

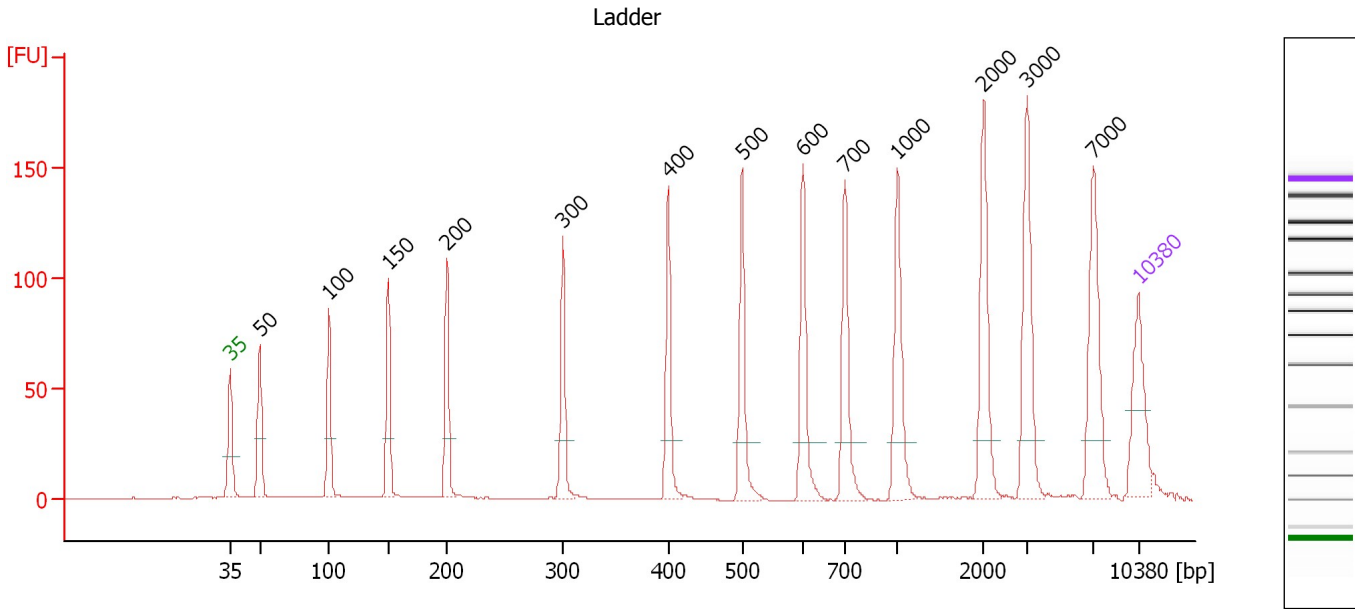
Ladder

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\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

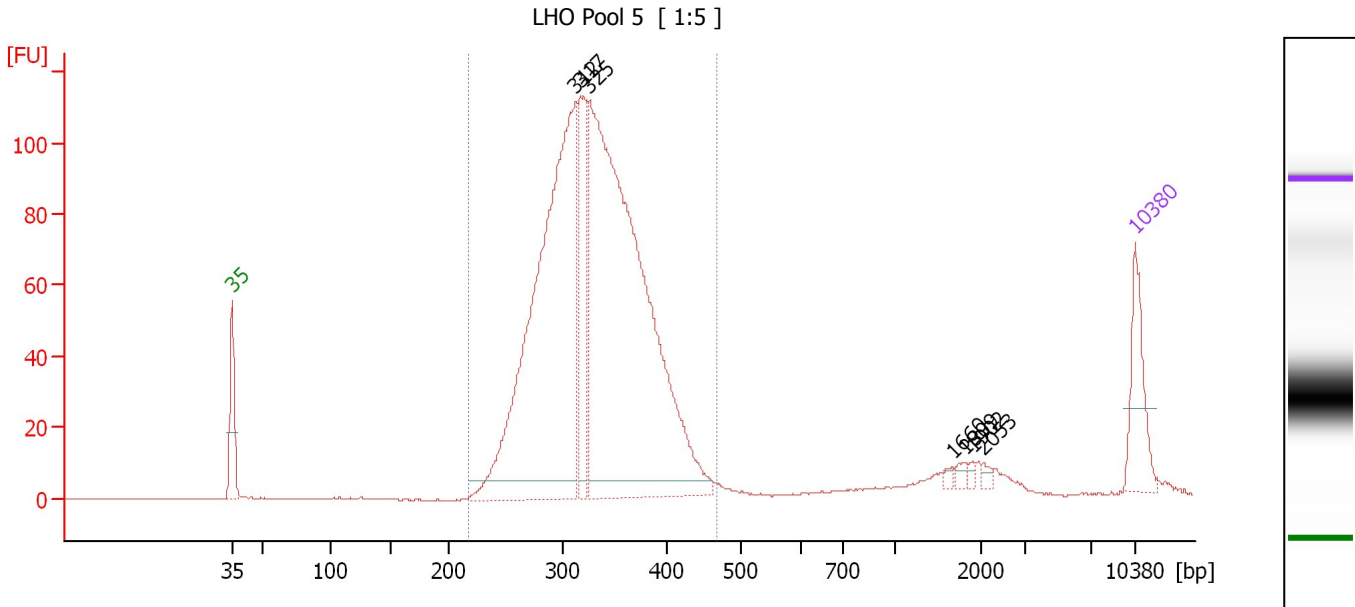
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.26	50	150.00	4,545.5	Ladder Peak
3	50.60	100	150.00	2,272.7	Ladder Peak
4	55.21	150	150.00	1,515.2	Ladder Peak
5	59.73	200	150.00	1,136.4	Ladder Peak
6	68.65	300	150.00	757.6	Ladder Peak
7	76.75	400	150.00	568.2	Ladder Peak
8	82.46	500	150.00	454.5	Ladder Peak
9	87.15	600	150.00	378.8	Ladder Peak
10	90.39	700	150.00	324.7	Ladder Peak
11	94.42	1,000	150.00	227.3	Ladder Peak
12	101.08	2,000	150.00	113.6	Ladder Peak
13	104.41	3,000	150.00	75.8	Ladder Peak
14	109.55	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : LHO Pool 5

Number of peaks found: 7 Corr. Area 1: 1,514.2
 Noise: 0.2

Peak table for sample 1 : LHO Pool 5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	69.63	312	1,032.28	5,011.7	
3	70.04	317	213.93	1,021.9	
4	70.70	325	1,333.21	6,208.6	
5	98.82	1,660	5.48	5.0	
6	99.81	1,809	7.43	6.2	
7	100.43	1,902	6.27	5.0	
8	101.26	2,053	6.39	4.7	
9	113.00	10,380	75.00	10.9	Upper Marker

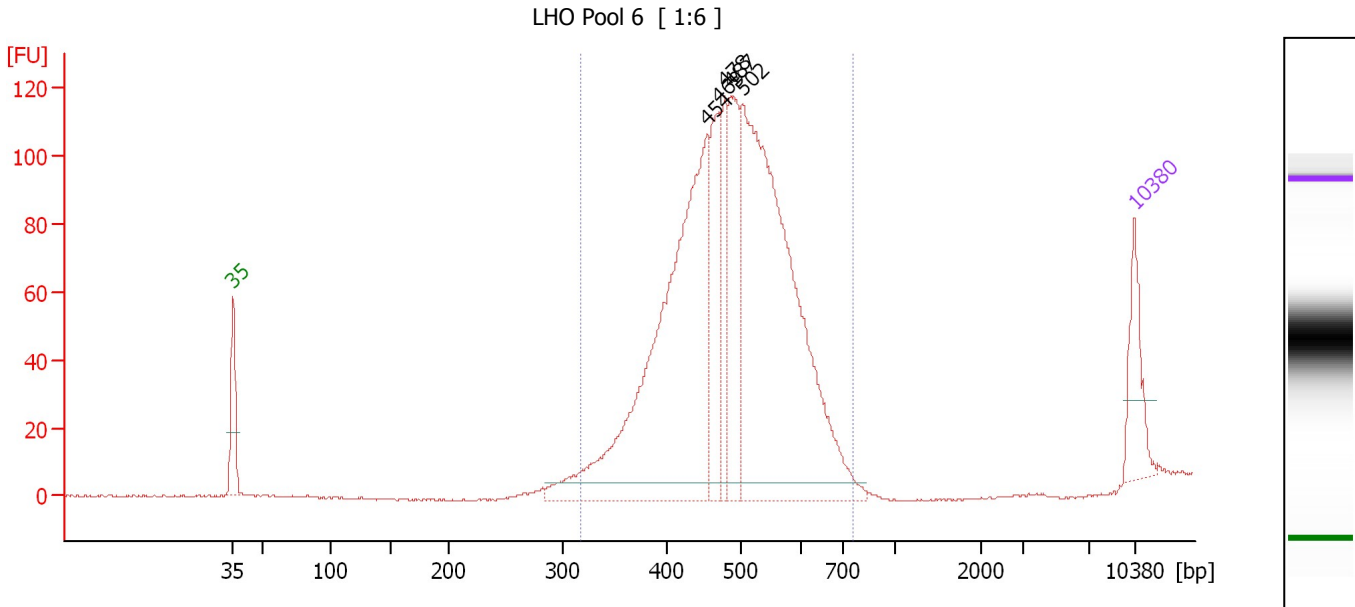
Region table for sample 1 : LHO Pool 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
218	466	329	12,035.9	2,557.99	1,514.2	95	13.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : LHO Pool 6

Number of peaks found: 5 Corr. Area 1: 1,498.6
 Noise: 0.3

Peak table for sample 2 : LHO Pool 6

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	79.84	454	912.80	3,045.1	
3	80.71	469	185.63	599.2	
4	81.21	478	118.64	376.0	
5	81.70	487	220.31	685.7	
6	82.53	502	1,024.42	3,094.6	
7	113.00	10,380	75.00	10.9	Upper Marker

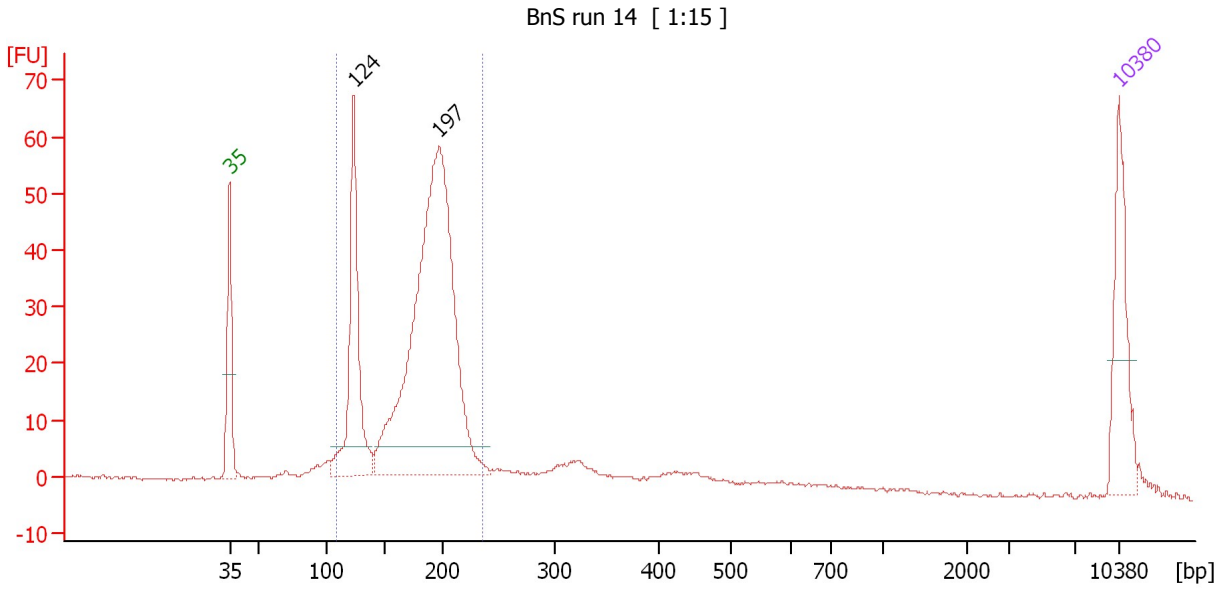
Region table for sample 2 : LHO Pool 6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
317	758	489	7,011.0	2,191.08	1,498.6	99	15.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : BnS run 14

Number of peaks found: 2 Corr. Area 1: 509.5
 Noise: 0.3

Peak table for sample 3 : BnS run 14

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	52.78	124	236.24	2,895.6	
3	59.49	197	720.05	5,527.2	
4	113.00	10,380	75.00	10.9	Upper Marker

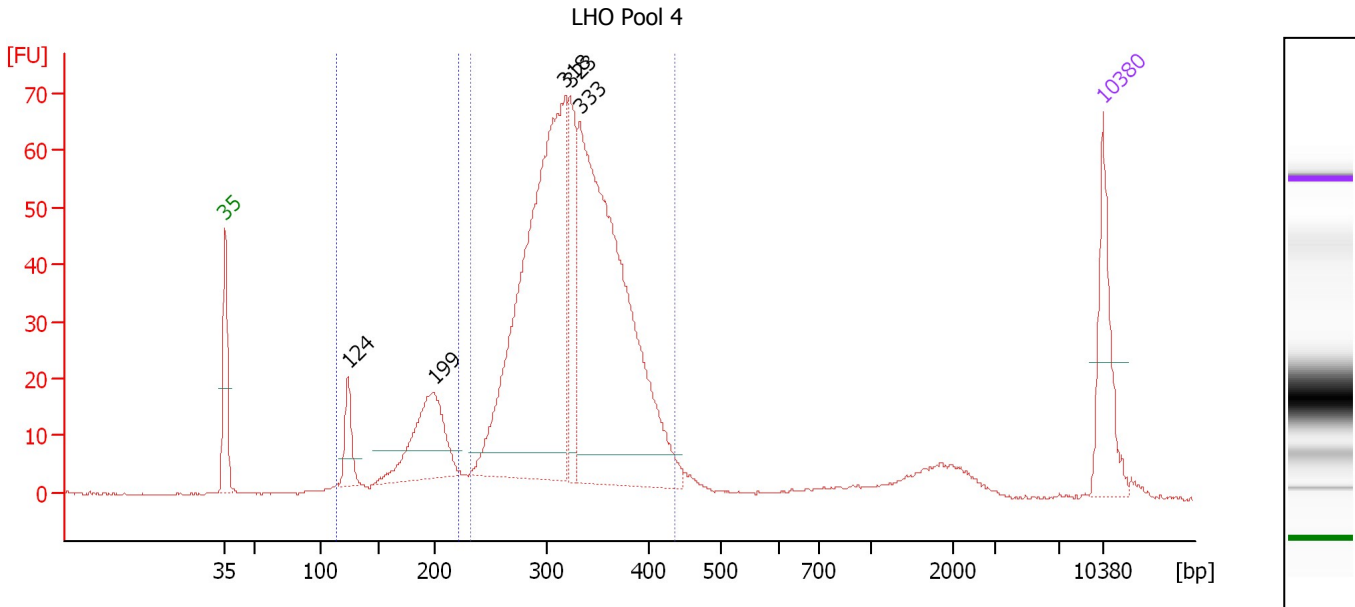
Region table for sample 3 : BnS run 14

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
108	236	177	9,253.4	1,025.44	509.5	83	17.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : LHO Pool 4

Number of peaks found: 5 Corr. Area 1: 918.8
 Noise: 0.2 Corr. Area 2: 148.2

Peak table for sample 4 : LHO Pool 4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	52.78	124	57.38	703.2	
3	59.63	199	166.50	1,268.4	
4	70.09	318	717.96	3,423.0	
5	70.47	323	119.44	561.1	
6	71.28	333	708.76	3,229.7	
7	113.00	10,380	75.00	10.9	Upper Marker

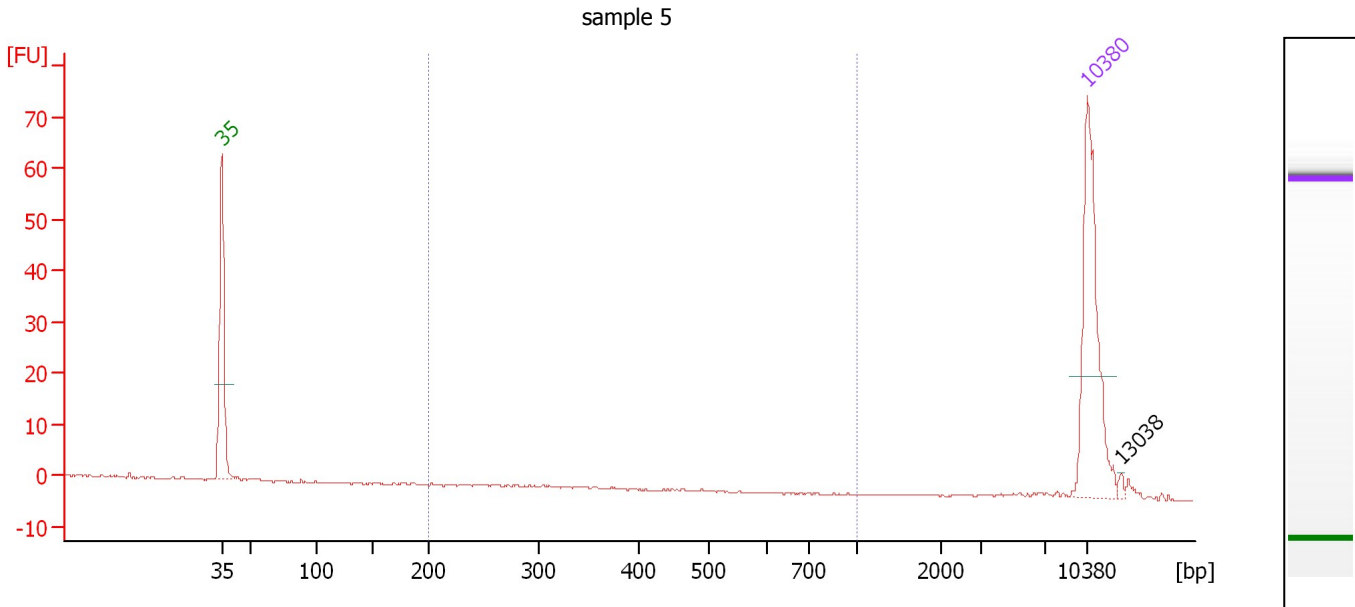
Region table for sample 4 : LHO Pool 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
113	221	176	2,918.5	323.39	148.2	13	17.3	Blue
232	436	327	7,888.4	1,668.06	918.8	79	12.7	Dark Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
 Modified: 11/5/2013 9:54:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 1 Corr. Area 1: 0.1
 Noise: 0.2

Peak table for sample 5 : sample 5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker
3	115.72	13,038	0.00	0.0	

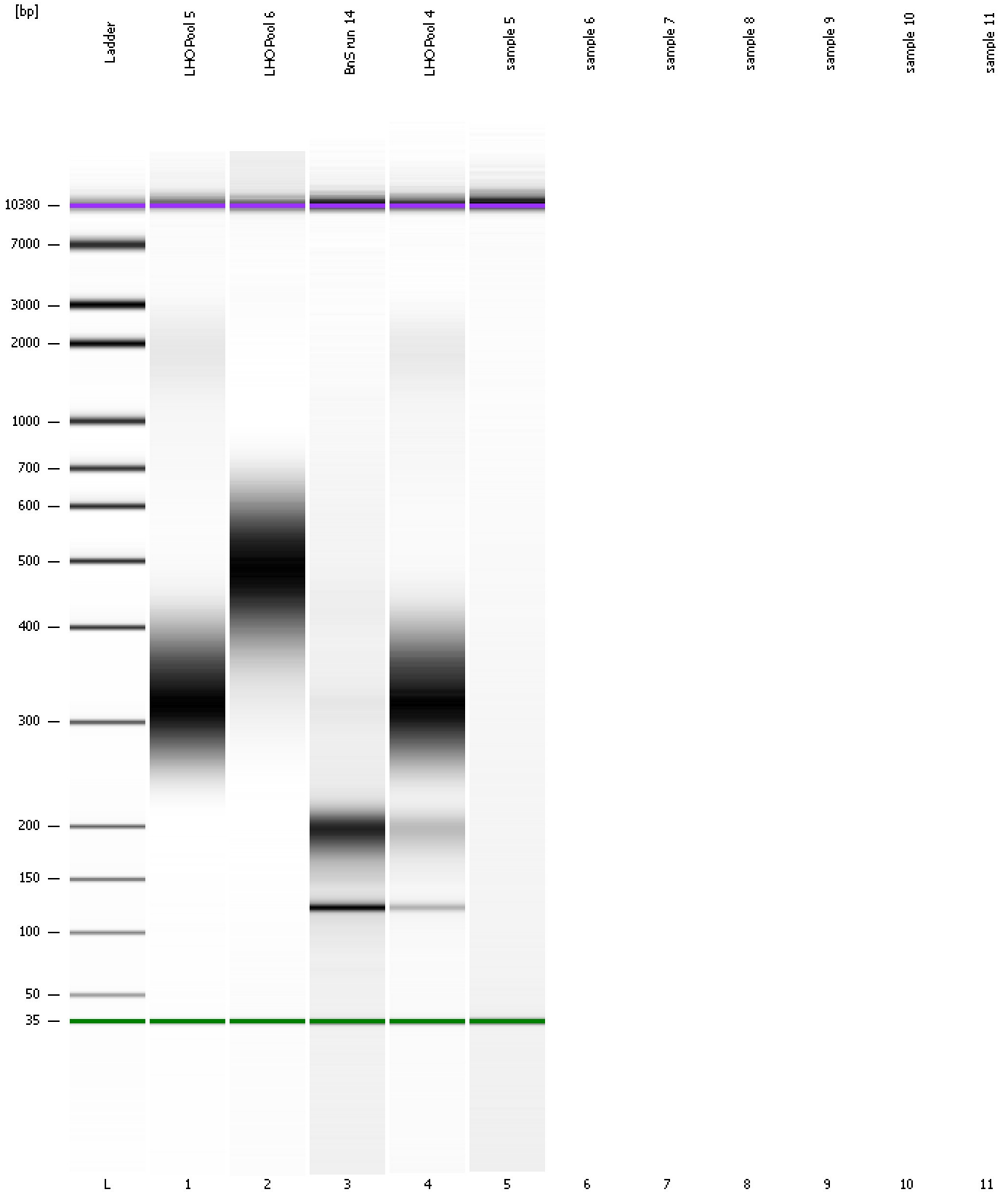
Region table for sample 5 : sample 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	320	0.5	0.09	0.1	1	19.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-05\2013-11-05_001.xad

Created: 11/5/2013 9:30:35 AM
Modified: 11/5/2013 9:54:48 AM

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.