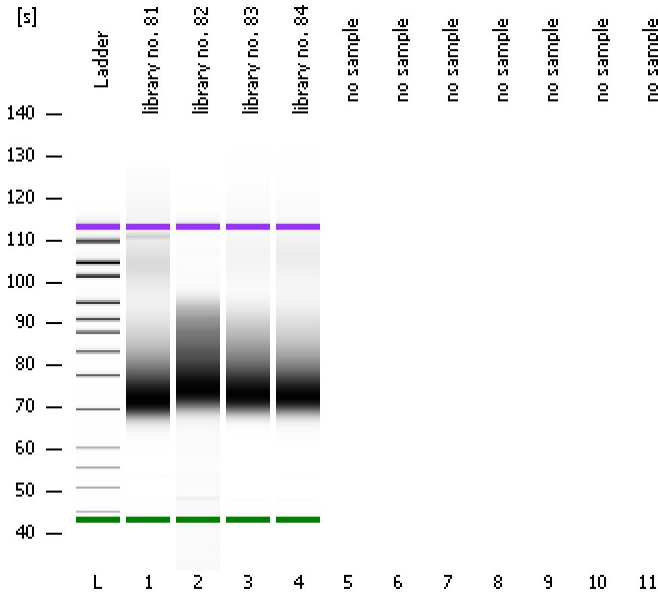


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
Modified: 9/6/2013 12:15:55 PM

Electrophoresis File Run Summary



Instrument Information:

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

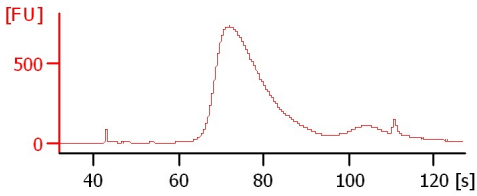
Assay Information:

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

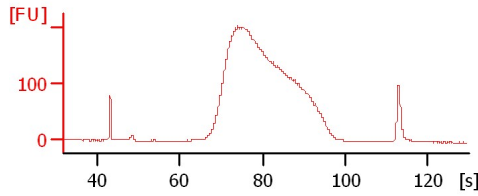
Chip Information:

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

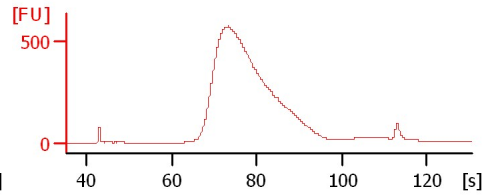
library no. 81



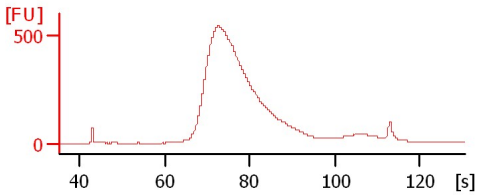
library no. 82



library no. 83



library no. 84



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
Modified: 9/6/2013 12:15:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
library no. 81		<input type="checkbox"/>	✓			
library no. 82		<input type="checkbox"/>	✓			
library no. 83		<input type="checkbox"/>	✓			
library no. 84		<input type="checkbox"/>	✓			
no sample		<input type="checkbox"/>				
no sample		<input type="checkbox"/>				
no sample		<input type="checkbox"/>				
no sample		<input type="checkbox"/>				
no sample		<input type="checkbox"/>				
no sample		<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\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
 Modified: 9/6/2013 12:15:55 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

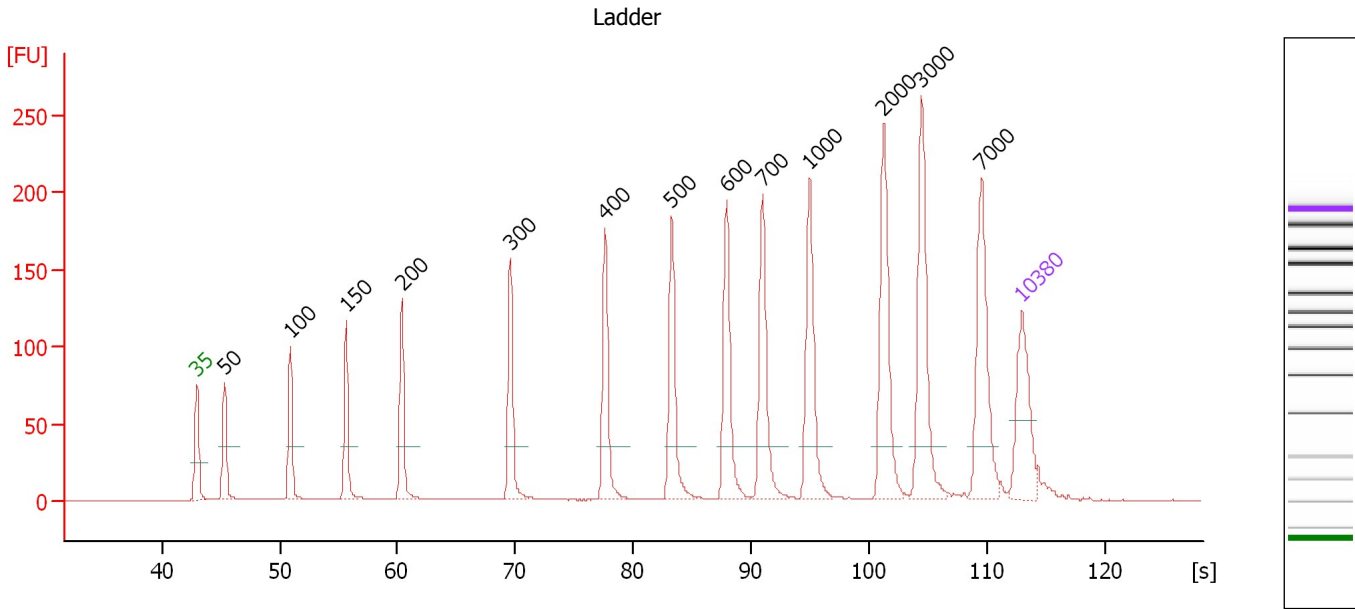
Ladder

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\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

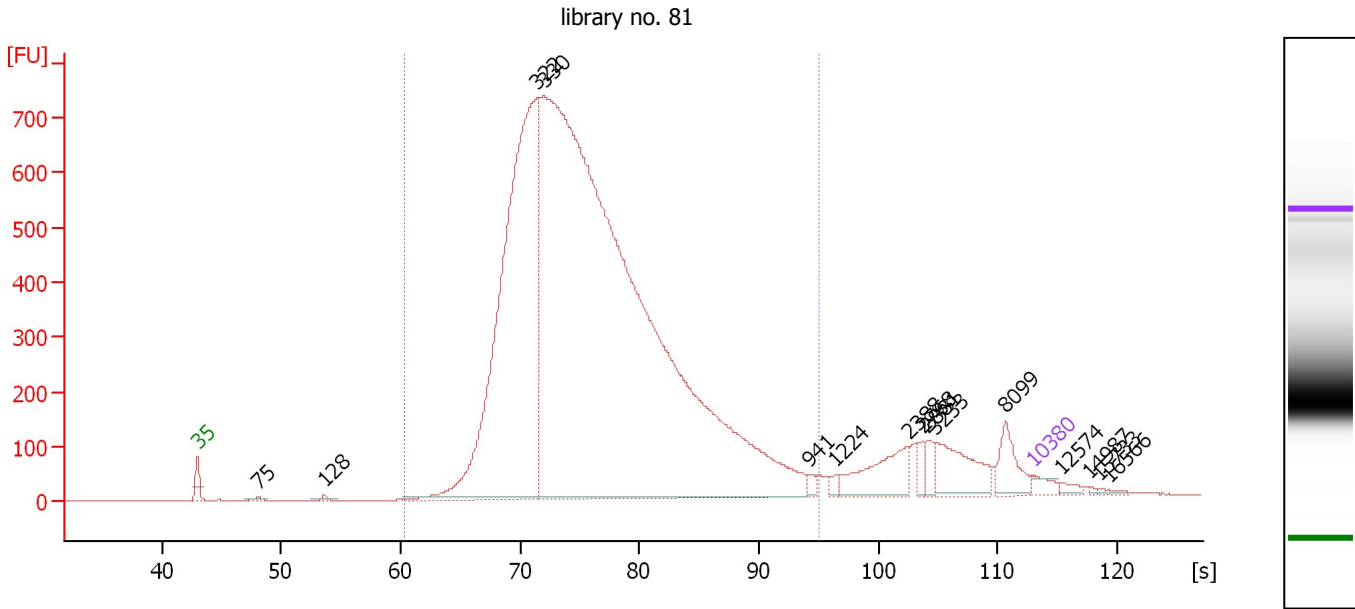
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : library no. 81

Number of peaks found: 15 Corr. Area 1: 13,384.0
 Noise: 0.2

Peak table for sample 1 : library no. 81

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	75	27.08	550.2	
3	128	33.60	396.8	
4	322	7,113.65	33,428.2	
5	330	18,786.04	86,327.8	
6	941	51.73	83.3	
7	1,224	53.75	66.5	
8	2,388	451.32	286.4	
9	2,768	87.95	48.1	
10	2,881	89.36	47.0	
11	3,233	441.43	206.9	
12	8,099	265.66	49.7	
13	10,380	75.00	10.9	Upper Marker
14	12,574	0.00	0.0	
15	14,987	0.00	0.0	
16	15,733	0.00	0.0	
17	16,566	0.00	0.0	

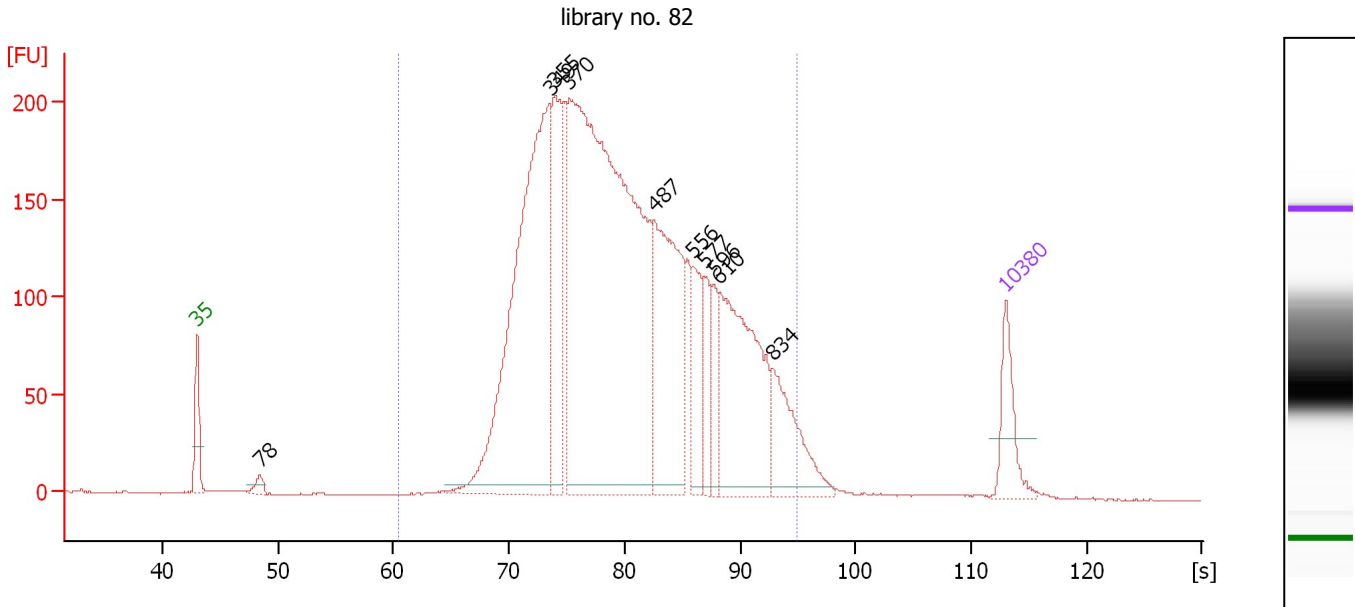
Region table for sample 1 : library no. 81

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area % of Total	Size distribution in CV [%]	Color
60.41	95.00	394	98,307.0	23,654.70	13,383.9 91	27.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
 Modified: 9/6/2013 12:15:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : library no. 82

Number of peaks found: 10 Corr. Area 1: 4,500.0
 Noise: 0.4

Peak table for sample 2 : library no. 82

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	78	25.55	495.2	
3	349	994.59	4,319.0	
4	355	274.59	1,172.9	
5	370	1,711.69	7,013.6	
6	487	443.34	1,379.1	
7	556	125.74	342.5	
8	577	74.78	196.3	
9	596	70.11	178.2	
10	610	392.08	974.6	
11	834	165.86	301.3	
12	10,380	75.00	10.9	Upper Marker

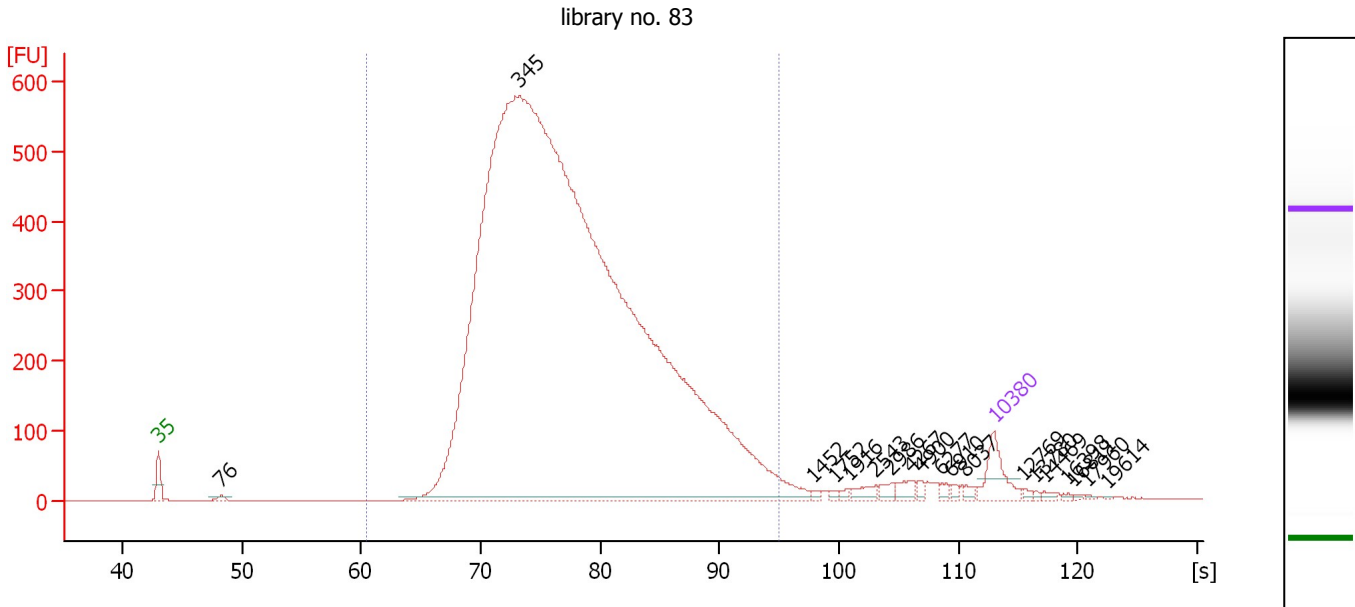
Region table for sample 2 : library no. 82

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area % of Total	Size distribution in CV [%]	Color
60.41	95.00	466	15,666.5	4,330.55	4,500.0 97	30.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
 Modified: 9/6/2013 12:15:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : library no. 83

Number of peaks found: 19 Corr. Area 1: 10,692.1
 Noise: 0.2

Peak table for sample 3 : library no. 83

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	76	12.70	252.2	
3	345	9,149.30	40,184.3	
4	1,452	6.73	7.0	
5	1,752	7.24	6.3	
6	1,916	7.14	5.6	
7	2,543	23.03	13.7	
8	2,986	18.11	9.2	
9	4,267	23.14	8.2	
10	4,900	10.73	3.3	
11	6,277	10.48	2.5	
12	6,910	8.47	1.9	
13	8,037	9.41	1.8	
14	10,380	75.00	10.9	Upper Marker
15	12,769	0.00	0.0	
16	13,780	0.00	0.0	
17	14,469	0.00	0.0	
18	16,398	0.00	0.0	
19	16,811	0.00	0.0	
20	17,960	0.00	0.0	
21	19,614	0.00	0.0	

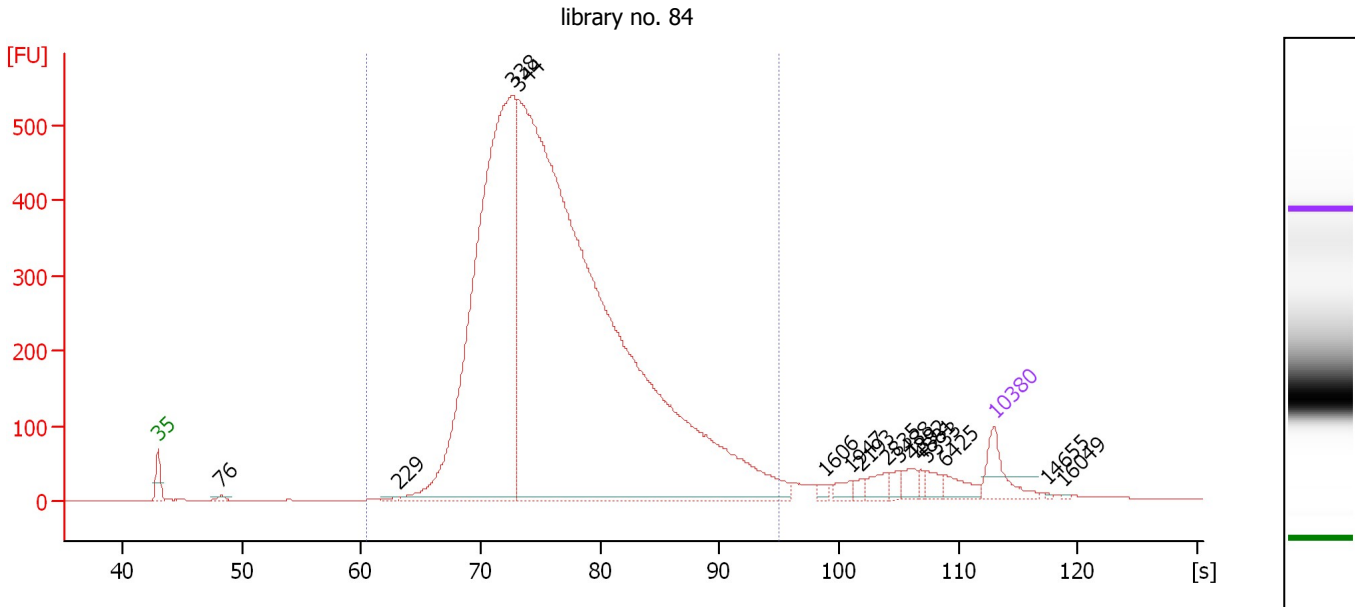
Region table for sample 3 : library no. 83

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area % of Total	Size distribution in CV [%]	Color
60.41	95.00	420	32,557.2	8,315.42	10,692.1 96	28.0	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : library no. 84

Number of peaks found: 15 Corr. Area 1: 9,031.9
 Noise: 0.5

Peak table for sample 4 : library no. 84

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	76	12.53	248.5	
3	229	8.03	53.1	
4	338	2,276.22	10,202.0	
5	344	4,918.49	21,664.2	
6	1,606	10.90	10.3	
7	1,947	21.90	17.0	
8	2,193	11.85	8.2	
9	2,835	33.11	17.7	
10	3,488	19.95	8.7	
11	4,392	28.14	9.7	
12	4,881	12.17	3.8	
13	5,333	26.41	7.5	
14	6,425	39.06	9.2	
15	10,380	75.00	10.9	Upper Marker
16	14,655	0.00	0.0	
17	16,049	0.00	0.0	

Region table for sample 4 : library no. 84

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area % of Total	Size distribution in CV [%]	Color
60.41	95.00	405	26,872.0	6,658.63	9,031.9 94	27.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-06\2013-09-06_004.xad

Created: 9/6/2013 11:54:35 AM
Modified: 9/6/2013 12:15:55 PM

Invalid Samples

Sample 5 has not been run, no results available.

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.