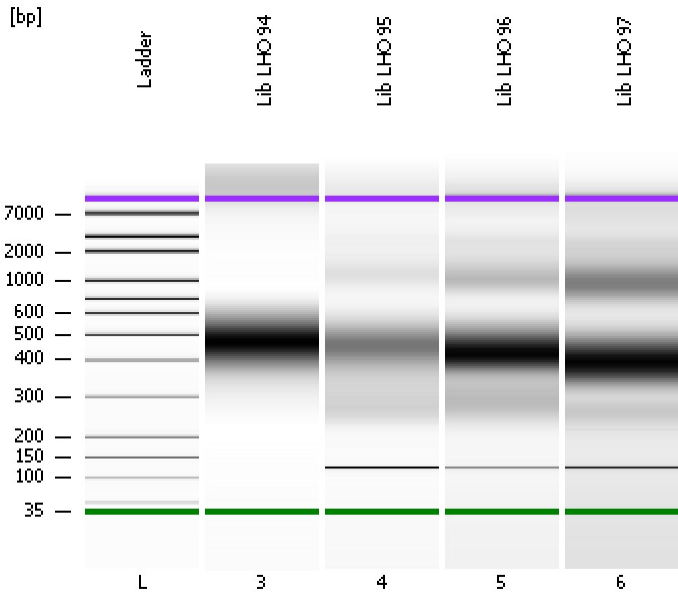


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

Created: 11/1/2013 9:28:01 AM
Modified: 11/4/2013 3:28:32 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

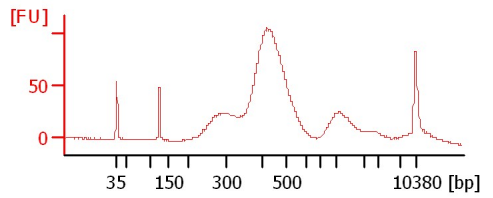
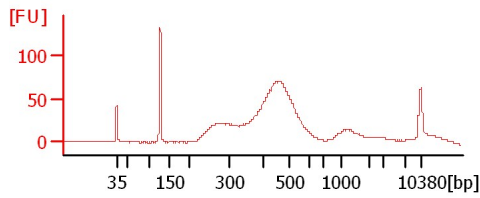
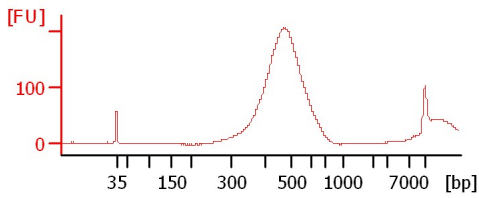
Chip Information:

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

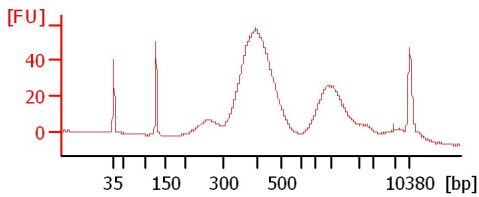
Lib LHO 94

Lib LHO 95

Lib LHO 96



Lib LHO 97



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

Created: 11/1/2013 9:28:01 AM
 Modified: 11/4/2013 3:28:32 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Lib LHO 94		<input type="checkbox"/>	✓			
Lib LHO 95		<input type="checkbox"/>	✓			
Lib LHO 96		<input type="checkbox"/>	✓			
Lib LHO 97		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

Created: 11/1/2013 9:28:01 AM
Modified: 11/4/2013 3:28:32 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

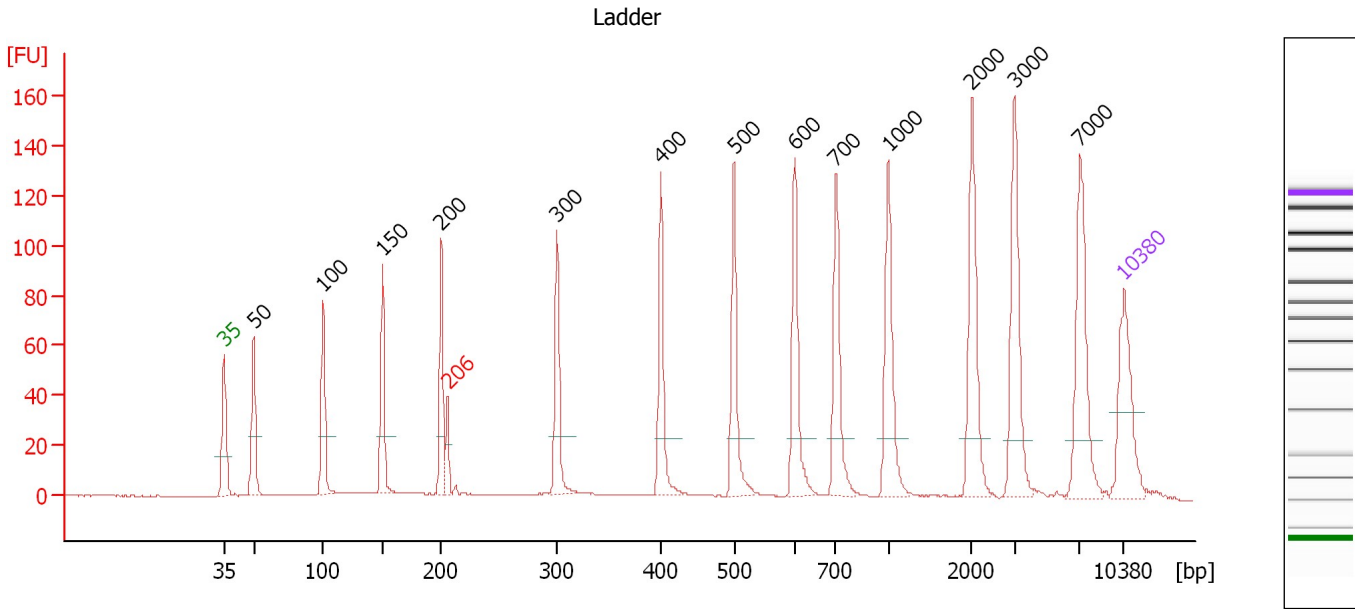
Ladder

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:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

Created: 11/1/2013 9:28:01 AM
 Modified: 11/4/2013 3:28:32 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

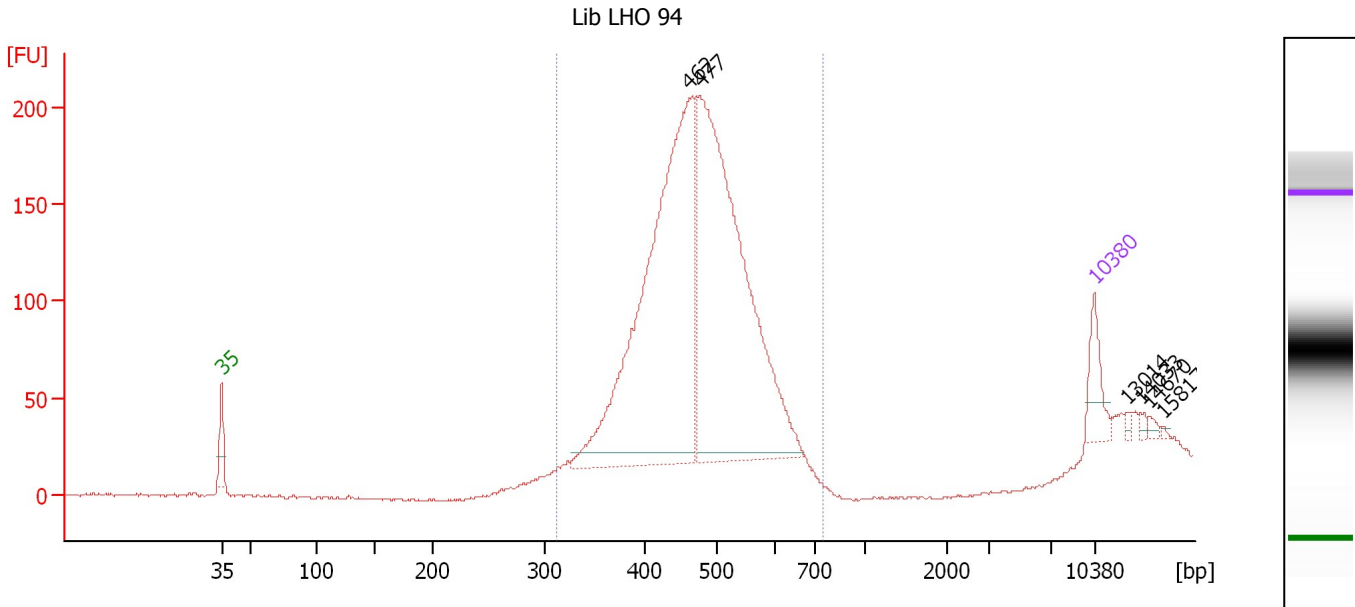
Peak table for Ladder

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	45.28	50	150.00	4,545.5	Ladder Peak
3	50.68	100	150.00	2,272.7	Ladder Peak
4	55.32	150	150.00	1,515.2	Ladder Peak
5	59.89	200	150.00	1,136.4	Ladder Peak
6	60.39	206	0.00	0.0	excluded peak
7	68.89	300	150.00	757.6	Ladder Peak
8	76.98	400	150.00	568.2	Ladder Peak
9	82.67	500	150.00	454.5	Ladder Peak
10	87.40	600	150.00	378.8	Ladder Peak
11	90.59	700	150.00	324.7	Ladder Peak
12	94.66	1,000	150.00	227.3	Ladder Peak
13	101.17	2,000	150.00	113.6	Ladder Peak
14	104.49	3,000	150.00	75.8	Ladder Peak
15	109.60	7,000	150.00	32.5	Ladder Peak
16	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

Created: 11/1/2013 9:28:01 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : Lib LHO 94

Number of peaks found: 6 Corr. Area 1: 2,240.6
 Noise: 0.6

Peak table for sample 3 : Lib LHO 94

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	80.50	462	1,563.32	5,128.2	
3	81.36	477	1,490.61	4,735.5	
4	113.00	10,380	75.00	10.9	Upper Marker
5	115.65	13,014	0.00	0.0	
6	116.68	14,033	0.00	0.0	
7	117.32	14,670	0.00	0.0	
8	118.47	15,817	0.00	0.0	

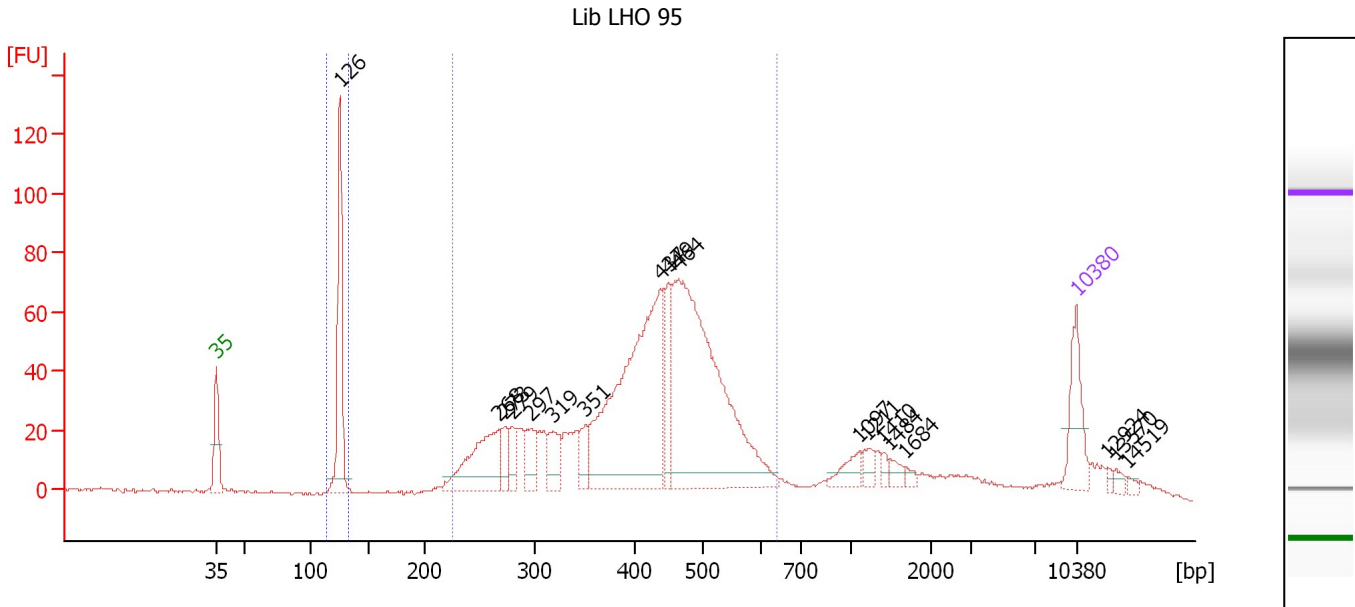
Region table for sample 3 : Lib LHO 94

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
311	745	473	10,523.8	3,201.83	2,240.6	96	13.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

Created: 11/1/2013 9:28:01 AM
 Modified: 11/4/2013 3:28:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Lib LHO 95

Number of peaks found: 18 Corr. Area 1: 1,153.6
 Noise: 0.5 Corr. Area 2: 106.2

Peak table for sample 4 : Lib LHO 95

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	53.07	126	271.69	3,274.0	
3	66.00	268	191.52	1,083.3	
4	66.48	273	38.75	214.9	
5	67.04	279	37.81	205.0	
6	68.60	297	51.00	260.4	
7	70.43	319	62.20	295.5	
8	73.03	351	45.63	196.9	
9	79.11	437	601.29	2,083.1	
10	79.76	449	88.85	300.0	
11	80.63	464	706.61	2,307.0	
12	95.29	1,097	32.64	45.1	
13	96.03	1,211	21.02	26.3	
14	97.33	1,410	8.93	9.6	
15	97.81	1,484	14.51	14.8	
16	99.11	1,684	7.46	6.7	
17	113.00	10,380	75.00	10.9	Upper Marker
18	115.56	12,924	0.00	0.0	
19	116.21	13,570	0.00	0.0	
20	117.17	14,519	0.00	0.0	

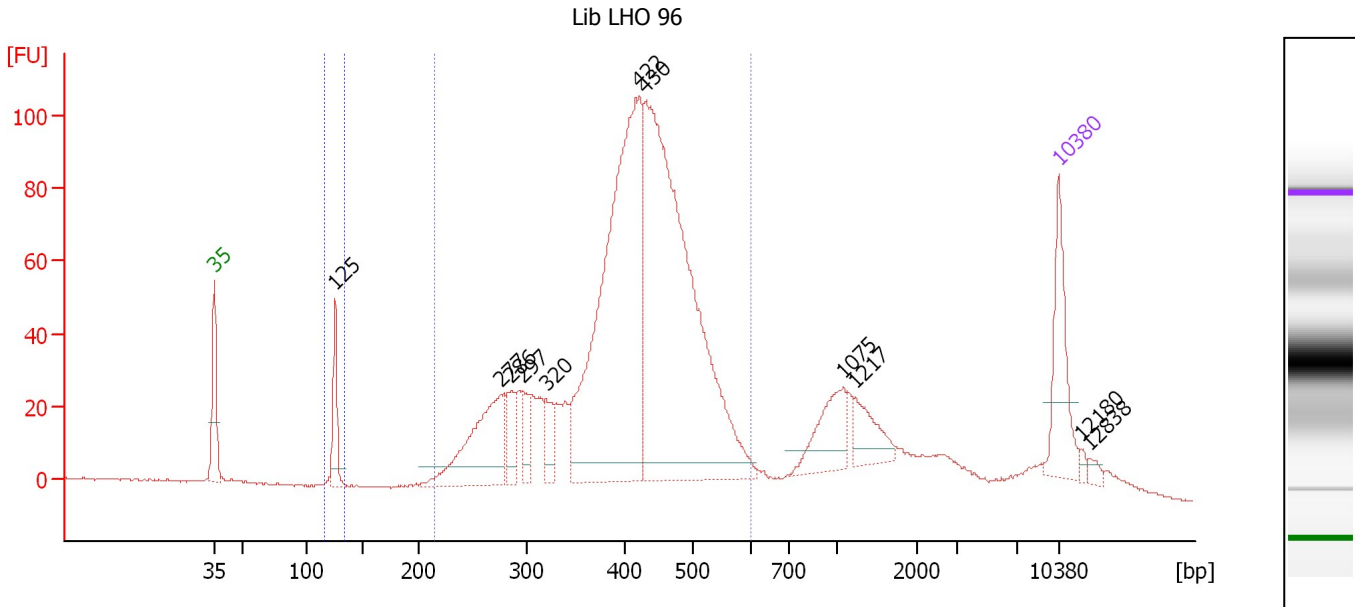
Region table for sample 4 : Lib LHO 95

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
114	133	126	3,208.3	265.74	106.2	7	1.6	Blue
225	640	419	8,243.2	2,101.61	1,153.6	78	21.5	Grey

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : Lib LHO 96

Number of peaks found: 11 Corr. Area 1: 1,489.3
 Noise: 0.3 Corr. Area 2: 38.6

Peak table for sample 5 : Lib LHO 96

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	53.03	125	71.21	860.8	
3	66.82	277	178.99	979.1	
4	67.61	286	39.59	209.9	
5	68.63	297	30.68	156.5	
6	70.49	320	38.39	181.9	
7	78.22	422	641.03	2,302.8	
8	78.66	430	774.76	2,732.8	
9	95.15	1,075	67.39	95.0	
10	96.07	1,217	44.25	55.1	
11	113.00	10,380	75.00	10.9	Upper Marker
12	114.81	12,180	0.00	0.0	
13	115.47	12,838	0.00	0.0	

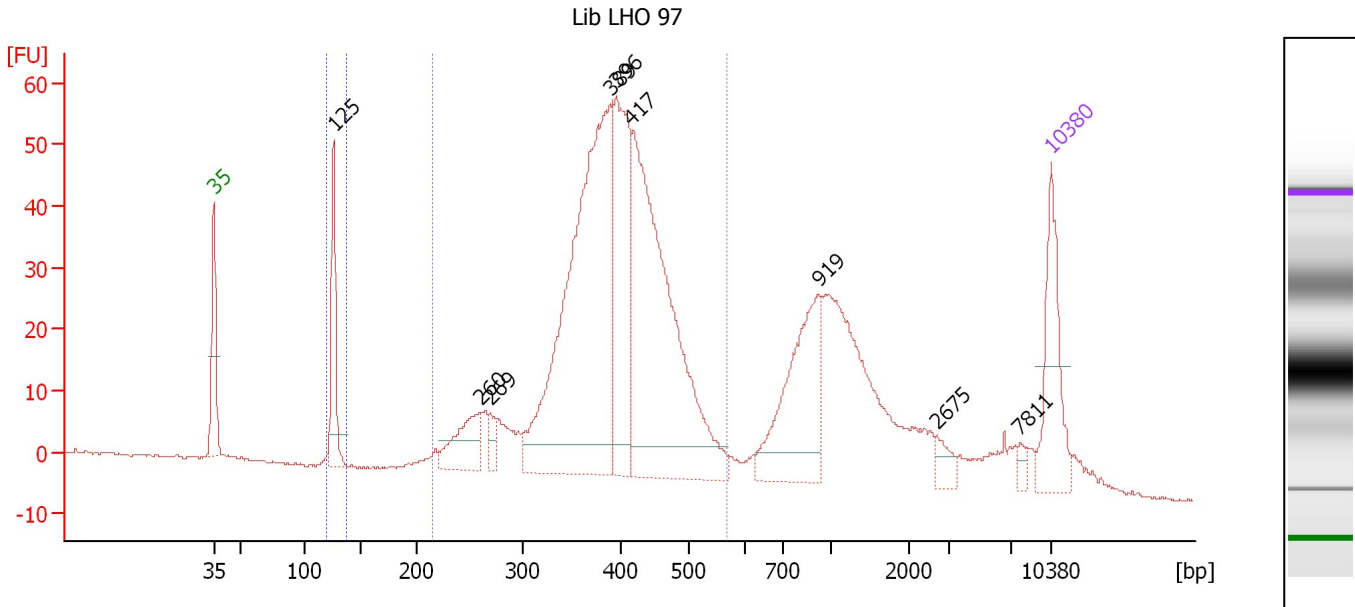
Region table for sample 5 : Lib LHO 96

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
116	133	125	837.7	69.18	38.6	2	1.5	Blue
216	602	412	7,578.5	1,936.60	1,489.3	79	19.1	Dark Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

Created: 11/1/2013 9:28:01 AM
 Modified: 11/4/2013 3:28:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Lib LHO 97

Number of peaks found: 9 Corr. Area 1: 799.3
 Noise: 0.2 Corr. Area 2: 42.5

Peak table for sample 6 : Lib LHO 97

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	53.03	125	106.00	1,281.4	
3	65.29	260	71.25	415.2	
4	66.10	269	17.27	97.3	
5	76.13	389	565.42	2,199.9	
6	76.66	396	204.86	783.7	
7	77.96	417	464.79	1,688.4	
8	93.56	919	156.70	258.4	
9	103.41	2,675	14.67	8.3	
10	110.41	7,811	6.22	1.2	
11	113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : Lib LHO 97

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
119	136	125	1,237.0	102.39	42.5	4	1.6	Blue
216	567	394	5,643.1	1,405.50	799.3	67	16.3	Dark Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... and Settings\Bioanalyzer\2013-11-01\2013-11-01_001_LHO.xad

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Gel Image

