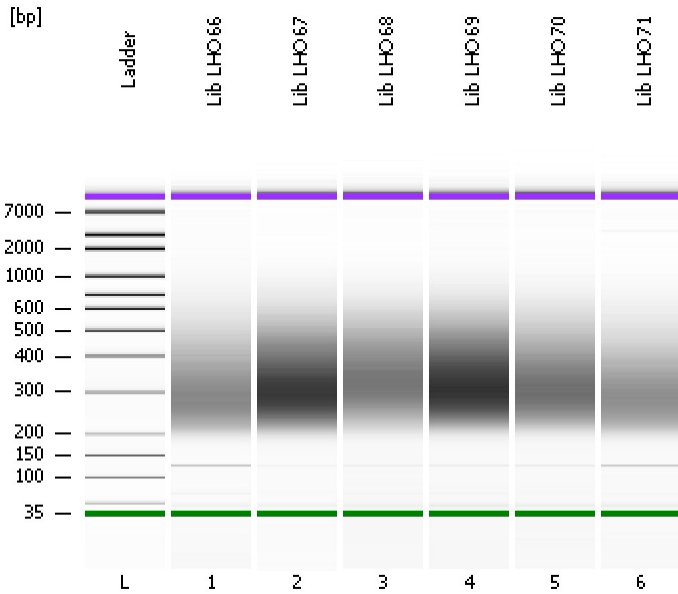


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
Modified: 9/9/2013 11:56:45 AM

Electrophoresis File Run Summary



Instrument Information:

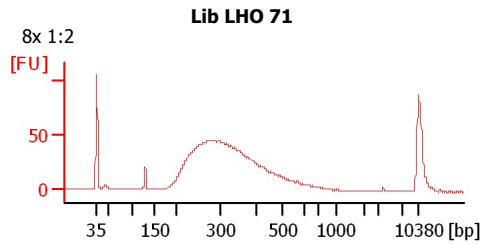
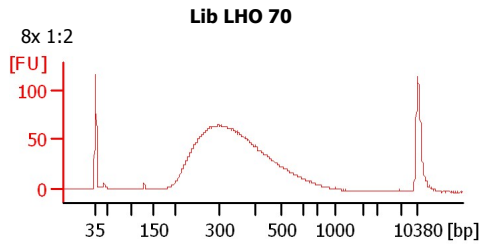
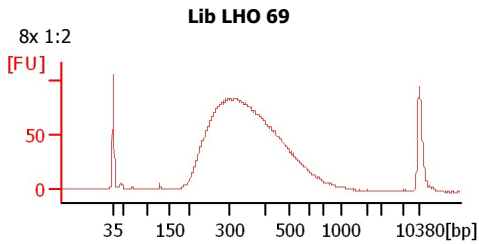
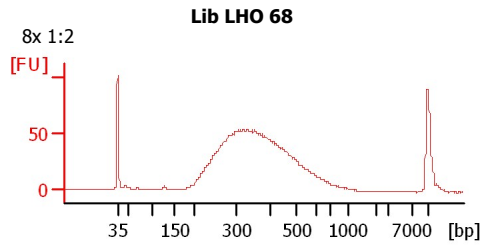
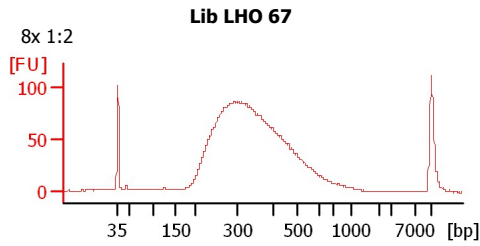
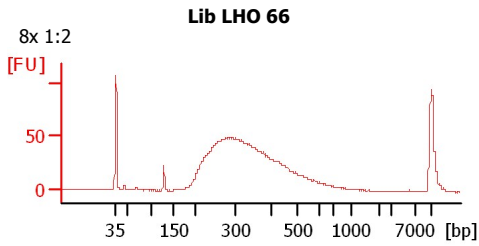
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
 Modified: 9/9/2013 11:56:45 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Lib LHO 66	8x 1:2	<input type="checkbox"/>				
Lib LHO 67	8x 1:2	<input type="checkbox"/>				
Lib LHO 68	8x 1:2	<input type="checkbox"/>				
Lib LHO 69	8x 1:2	<input type="checkbox"/>				
Lib LHO 70	8x 1:2	<input type="checkbox"/>				
Lib LHO 71	8x 1:2	<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
 Modified: 9/9/2013 11:56:45 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

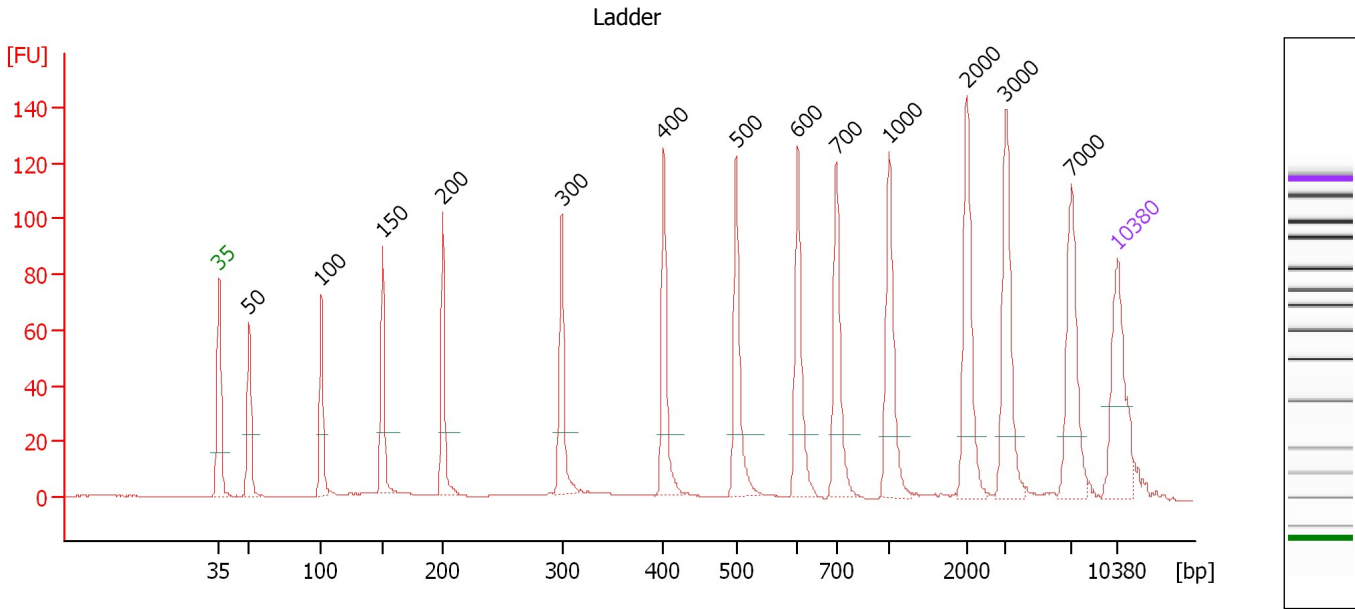
Ladder

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:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

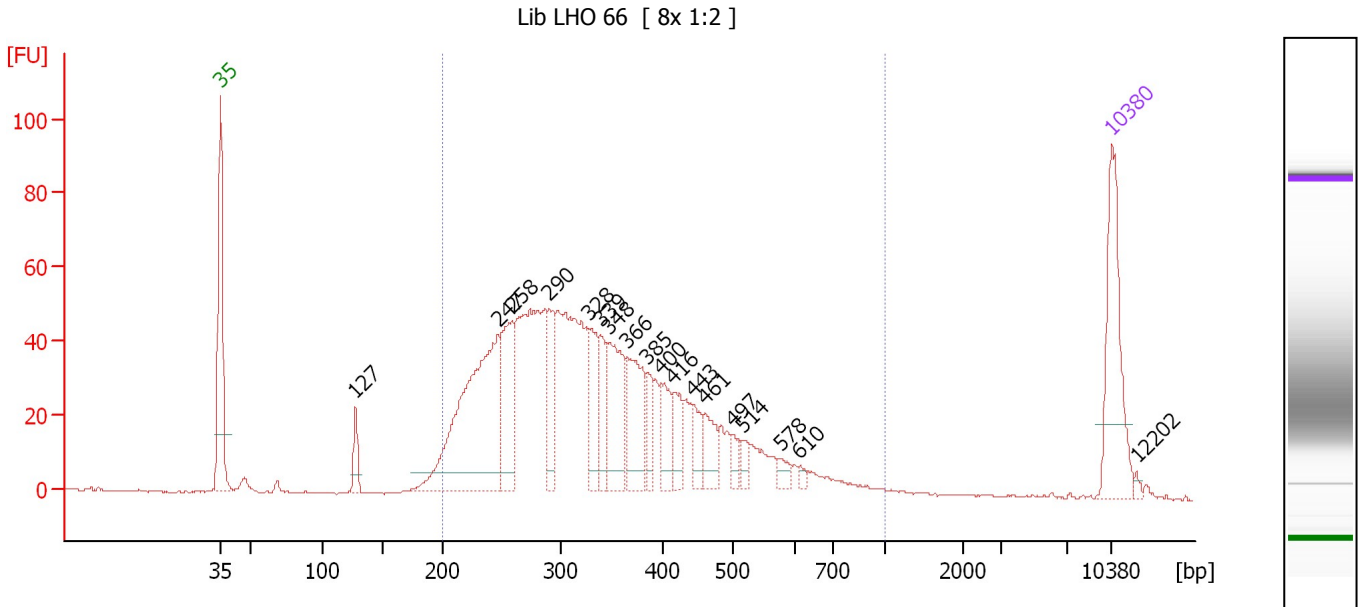
Peak table for Ladder

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:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Lib LHO 66

Number of peaks found: 18 Corr. Area 1: 1,320.0
 Noise: 0.2

Peak table for sample 1 : Lib LHO 66

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	127	23.46	279.1	
3	247	271.08	1,665.2	
4	258	94.61	554.8	
5	290	53.11	277.9	
6	328	53.79	248.1	
7	339	34.43	153.9	
8	348	82.19	357.9	
9	366	72.41	299.8	
10	385	25.20	99.0	
11	400	32.48	123.1	
12	416	28.47	103.7	
13	443	22.39	76.5	
14	461	29.02	95.4	
15	497	10.40	31.7	
16	514	10.55	31.1	
17	578	9.17	24.1	
18	610	4.29	10.6	
19	10,380	75.00	10.9	Upper Marker
20	12,202	0.00	0.0	

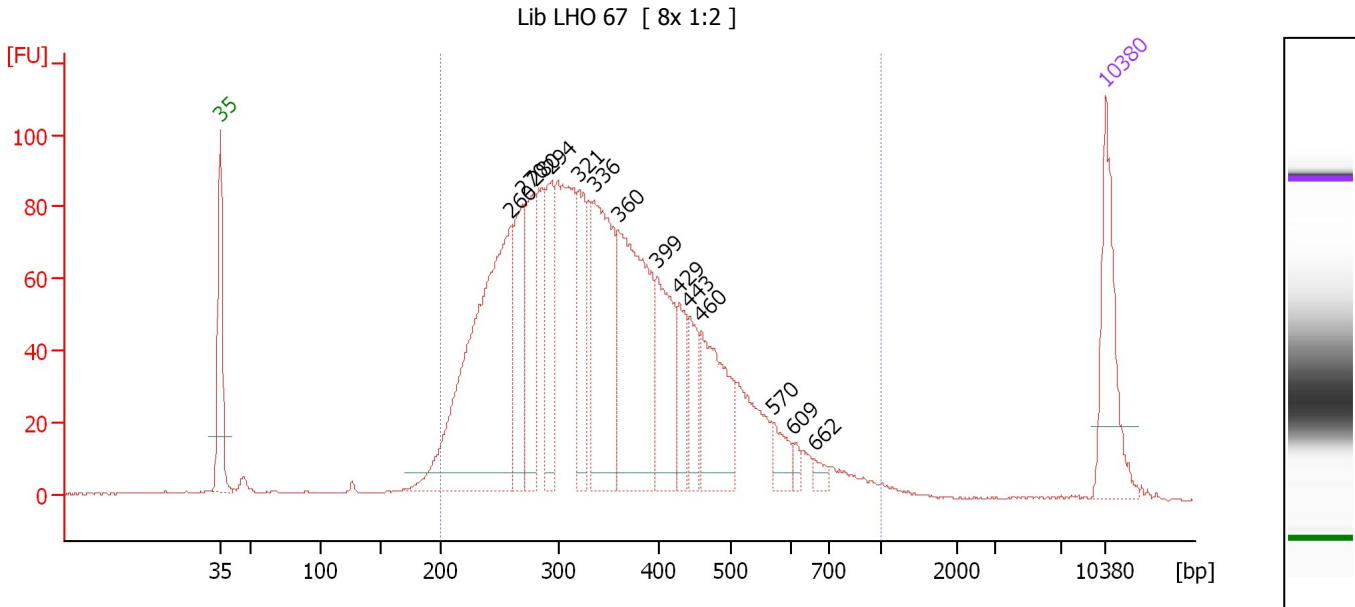
Region table for sample 1 : Lib LHO 66

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	351	6,990.9	1,439.61	1,320.0	95	32.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
 Modified: 9/9/2013 11:56:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Lib LHO 67

Number of peaks found: 14 Corr. Area 1: 2,353.8
 Noise: 0.2

Peak table for sample 2 : Lib LHO 67

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	260	458.75	2,673.0	
3	270	109.80	616.0	
4	280	107.73	583.8	
5	294	103.35	533.2	
6	321	93.73	442.7	
7	336	203.83	920.0	
8	360	255.90	1,076.7	
9	399	113.30	430.4	
10	429	46.74	165.1	
11	443	46.98	160.6	
12	460	116.09	382.1	
13	570	25.71	68.3	
14	609	7.06	17.6	
15	662	9.12	20.9	
16	10,380	75.00	10.9	Upper Marker

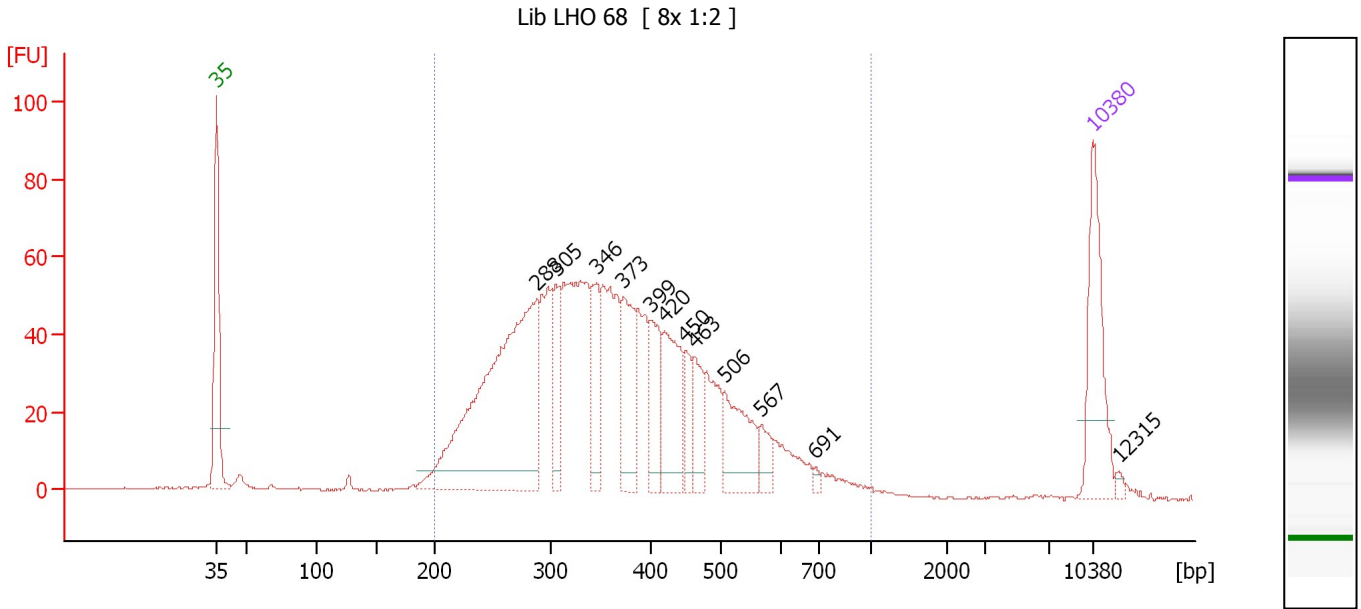
Region table for sample 2 : Lib LHO 67

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	361	10,561.5	2,240.81	2,353.8	96	32.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

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 Modified: 9/9/2013 11:56:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Lib LHO 68

Number of peaks found: 12 Corr. Area 1: 1,498.7
 Noise: 0.2

Peak table for sample 3 : Lib LHO 68

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	288	432.04	2,272.5	
3	305	56.66	281.6	
4	346	62.21	272.7	
5	373	85.97	349.2	
6	399	59.58	226.0	
7	420	90.88	327.7	
8	450	29.58	99.7	
9	463	39.90	130.5	
10	506	73.23	219.5	
11	567	20.49	54.7	
12	691	3.96	8.7	
13	10,380	75.00	10.9	Upper Marker
14	12,315	0.00	0.0	

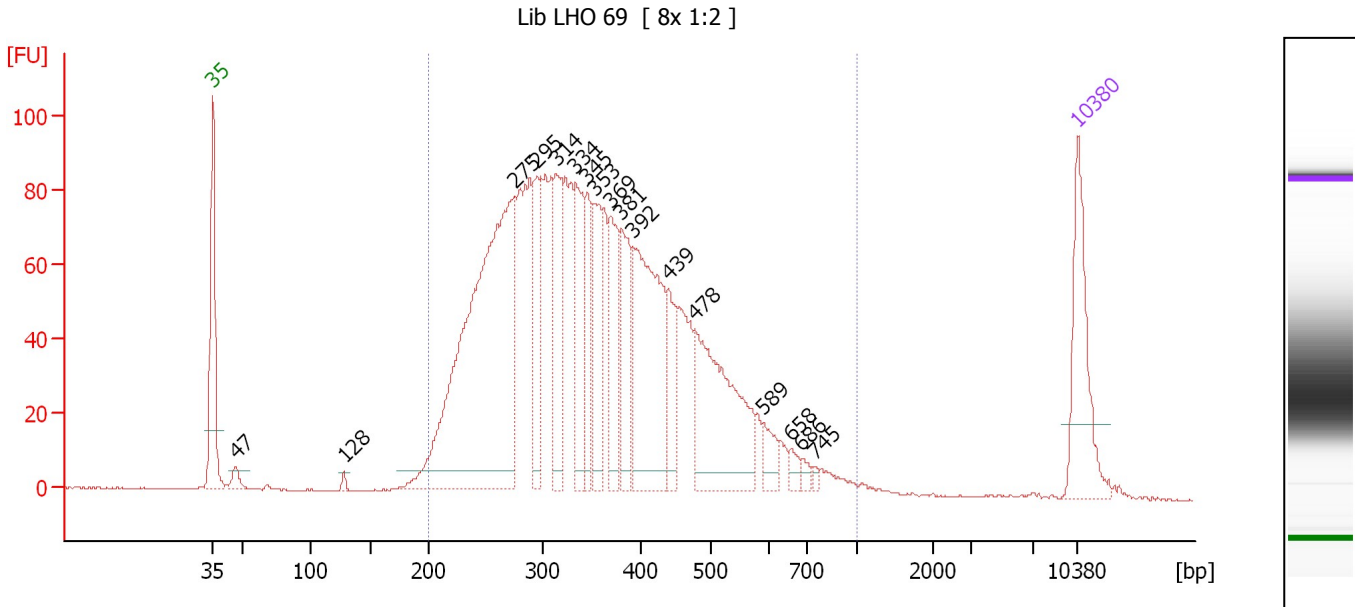
Region table for sample 3 : Lib LHO 68

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	377	7,251.4	1,608.12	1,498.7	96	30.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
 Modified: 9/9/2013 11:56:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Lib LHO 69

Number of peaks found: 17 Corr. Area 1: 2,316.4
 Noise: 0.2

Peak table for sample 4 : Lib LHO 69

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	47	13.92	451.2	
3	128	5.12	60.8	
4	275	569.44	3,133.7	
5	295	91.46	469.9	
6	314	98.74	476.2	
7	334	95.22	432.3	
8	345	61.89	271.7	
9	353	81.89	351.7	
10	369	86.30	354.3	
11	381	83.49	332.4	
12	392	207.82	803.4	
13	439	50.64	174.7	
14	478	178.09	564.5	
15	589	20.51	52.8	
16	658	9.59	22.1	
17	686	6.64	14.7	
18	745	3.42	7.0	
19	10,380	75.00	10.9	Upper Marker

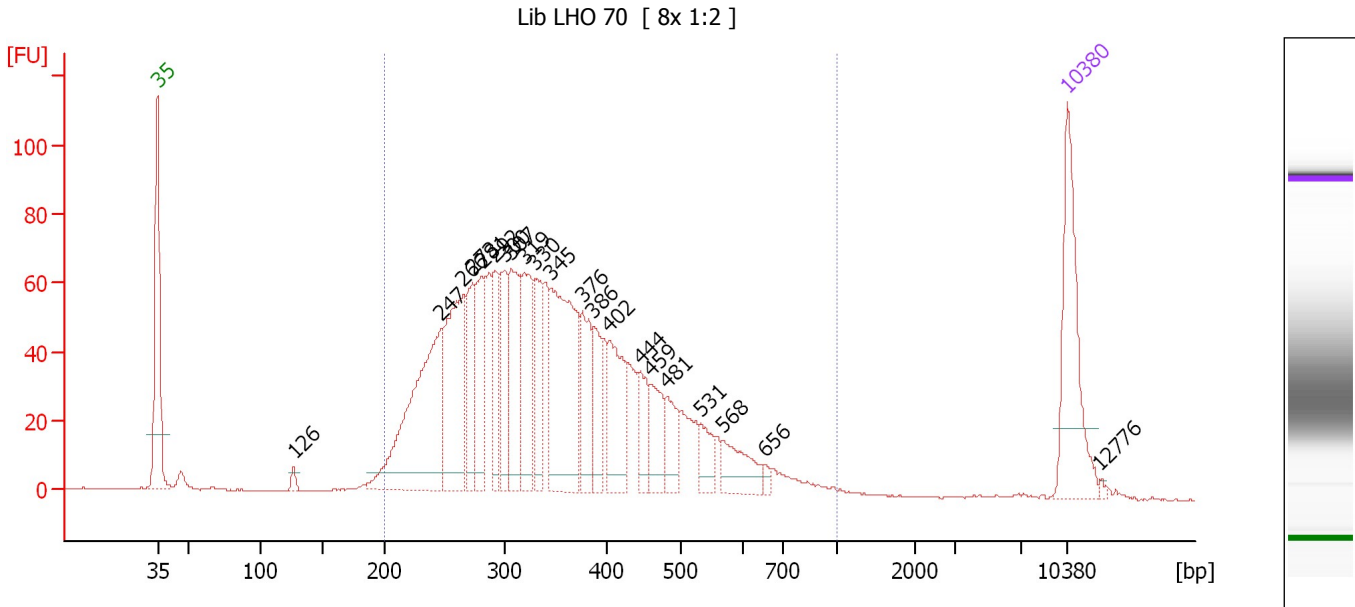
Region table for sample 4 : Lib LHO 69

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	367	10,671.2	2,307.89	2,316.4	98	31.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
 Modified: 9/9/2013 11:56:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Lib LHO 70

Number of peaks found: 21 Corr. Area 1: 1,701.8
 Noise: 0.2

Peak table for sample 5 : Lib LHO 70

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	6.35	76.2	
3	247	209.51	1,283.4	
4	266	131.06	747.3	
5	273	60.31	334.4	
6	281	65.27	351.6	
7	292	50.32	261.0	
8	300	53.30	269.5	
9	307	85.88	424.1	
10	319	75.15	357.1	
11	330	54.52	250.4	
12	345	158.20	695.3	
13	376	52.56	212.0	
14	386	36.50	143.3	
15	402	67.35	253.8	
16	444	29.23	99.8	
17	459	36.43	120.2	
18	481	29.00	91.4	
19	531	19.86	56.6	
20	568	33.31	88.9	
21	656	3.93	9.1	
22	10,380	75.00	10.9	Upper Marker
23	12,776	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
Modified: 9/9/2013 11:56:45 AM

Electropherogram Summary Continued ...

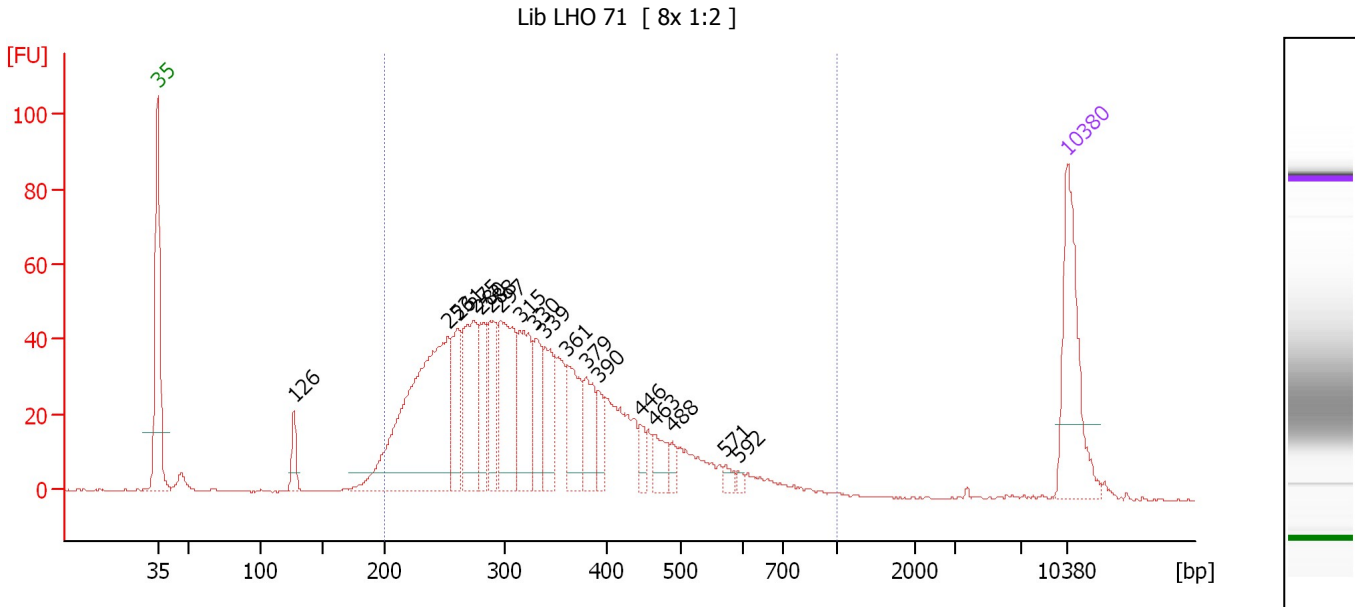
... Region table for sample 5 : Lib LHO 70

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	361	7,016.2	1,494.85	1,701.8	96	31.3	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...tings\Bioanalyzer\2013-09-09\2013-09-09_001_LHO_RNA_lib.xad

Created: 9/9/2013 11:06:40 AM
 Modified: 9/9/2013 11:56:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Lib LHO 71

Number of peaks found: 18 Corr. Area 1: 1,157.3
 Noise: 0.3

Peak table for sample 6 : Lib LHO 71

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	22.56	270.3	
3	253	287.64	1,722.0	
4	261	56.47	327.6	
5	275	93.76	516.8	
6	280	43.60	235.8	
7	288	52.85	277.9	
8	297	107.44	547.7	
9	315	77.50	372.7	
10	330	47.43	217.8	
11	339	50.92	227.3	
12	361	54.42	228.4	
13	379	41.03	164.2	
14	390	19.55	75.9	
15	446	12.27	41.7	
16	463	22.48	73.5	
17	488	9.31	28.9	
18	571	6.45	17.1	
19	592	3.09	7.9	
20	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : Lib LHO 71

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	342	6,052.1	1,227.72	1,157.3	94	31.3	Blue