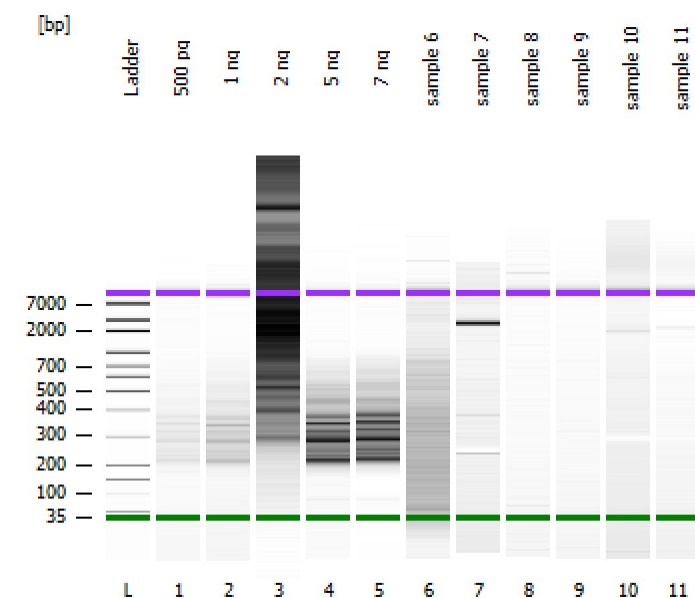


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
Modified: 03.05.2013 17:08:08

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72902250 Firmware: C.01.069
Serial#: DE72902250 Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay

Version: 1.0

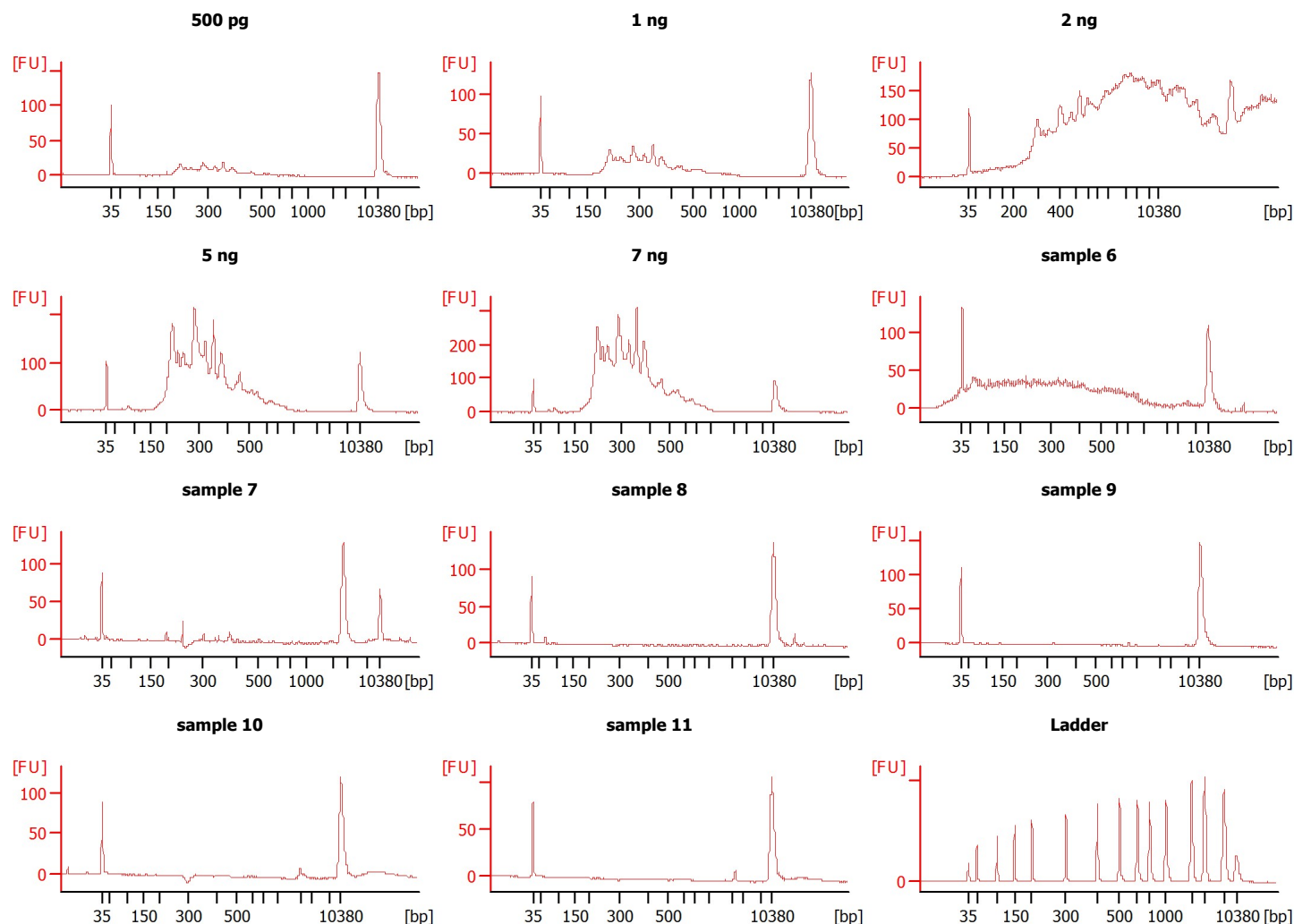
Assay Comments: Copyright © 2003-2009 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
Modified: 03.05.2013 17:08:08

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
500 pg		☐	✓			
1 ng		☐	✓			
2 ng		☐	✓			
5 ng		☐	✓			
7 ng		☐	✓			
sample 6		☐	✓			
sample 7		☐	✓			
sample 8		☐	✓			
sample 9		☐	✓			
sample 10		☐	✓			
sample 11		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
Modified: 03.05.2013 17:08:08

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

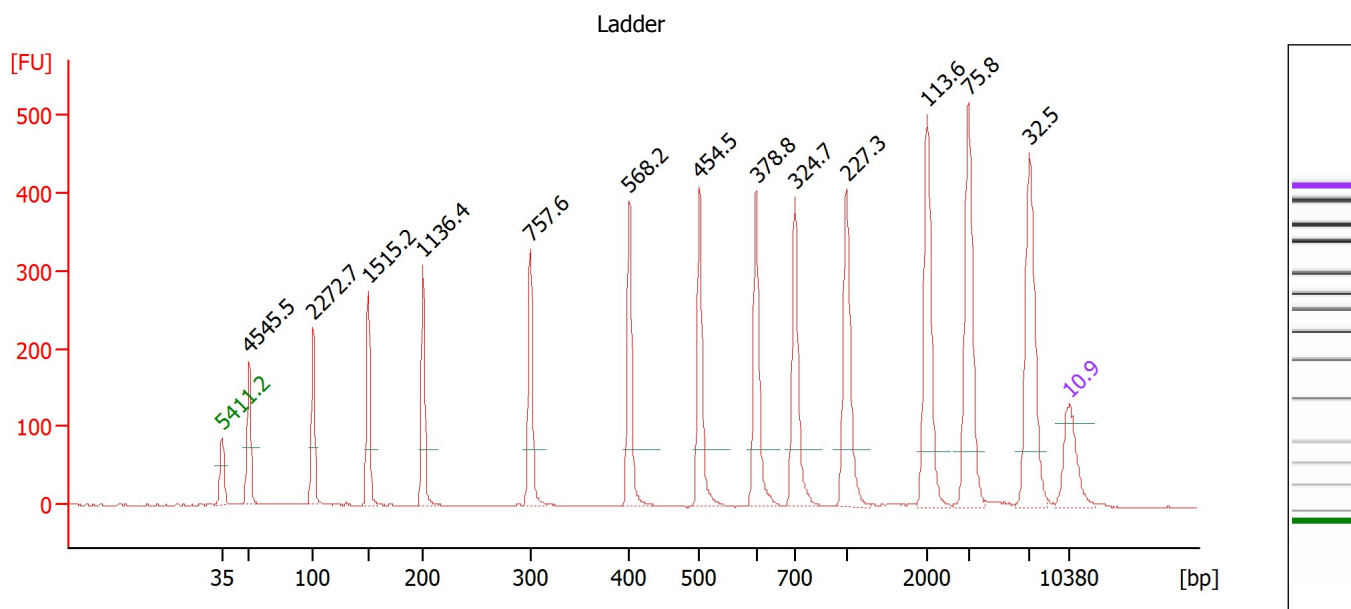
Ladder

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:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
 Modified: 03.05.2013 17:08:08

Electropherogram Summary



Overall Results for Ladder

Noise: 0,4

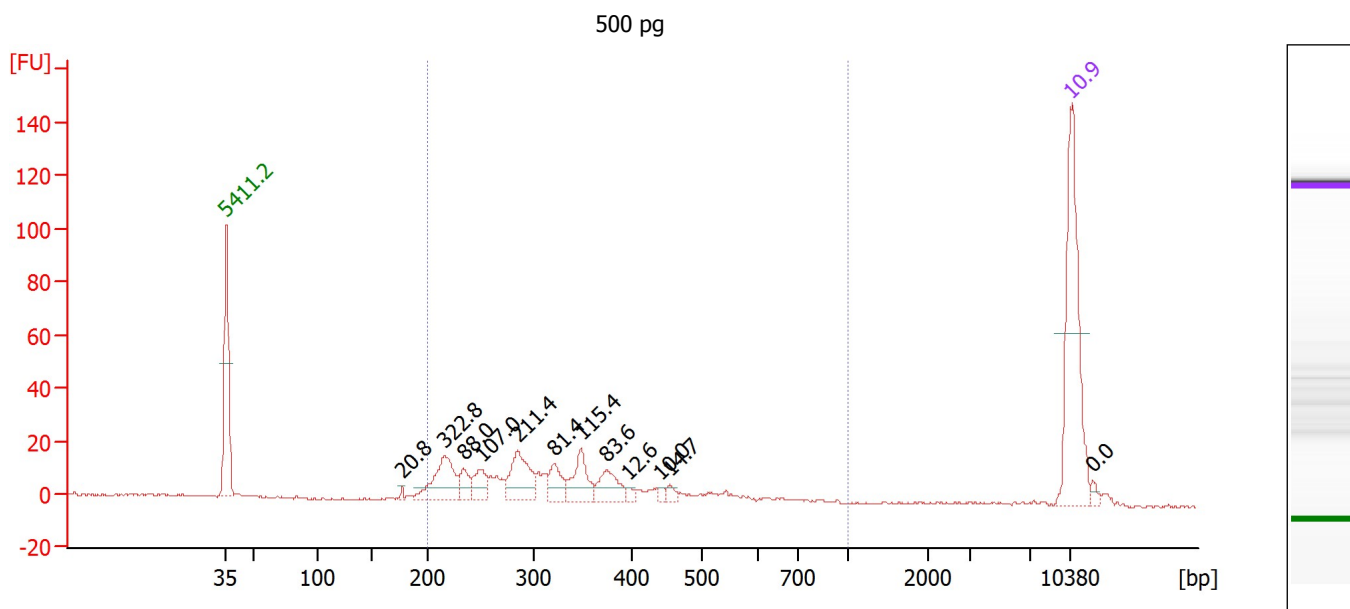
Peak table for Ladder

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:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
 Modified: 03.05.2013 17:08:08

Electropherogram Summary Continued ...



Overall Results for sample 1 : 500 pg

Number of peaks found: 12 Corr. Area 1: 314,3
 Noise: 0,4

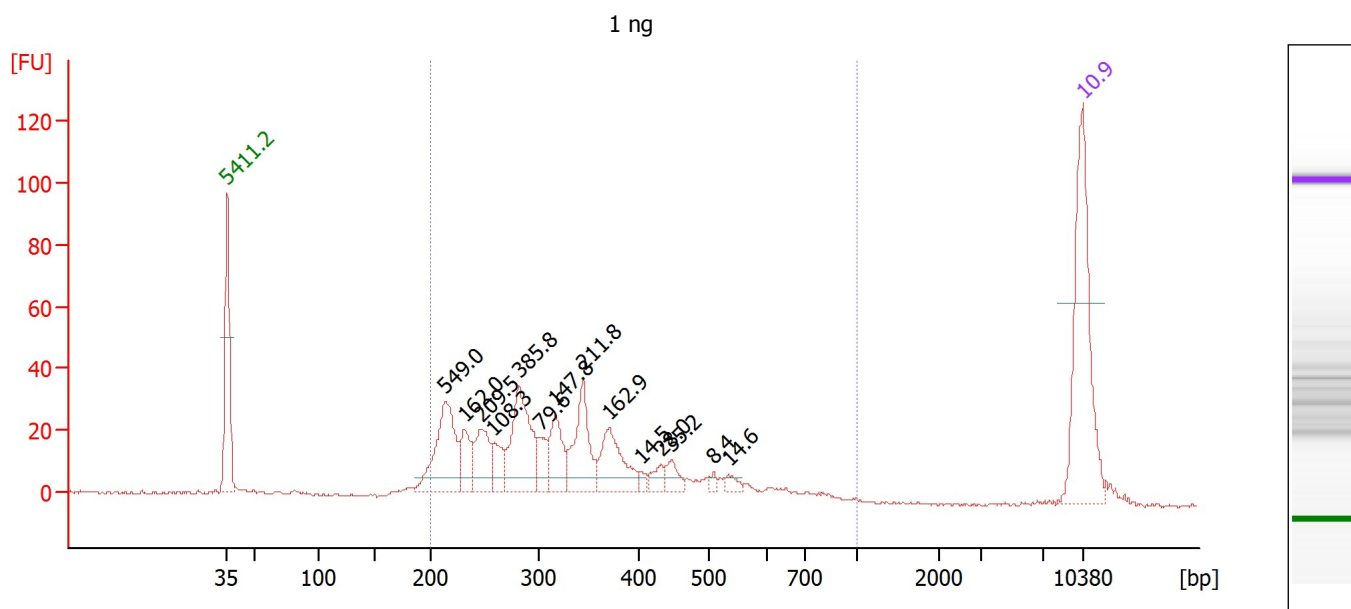
Peak table for sample 1 : 500 pg

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	177	2,43	20,8	
3	216	46,13	322,8	
4	234	13,61	88,0	
5	251	17,70	107,0	
6	285	39,76	211,4	
7	321	17,22	81,4	
8	348	26,51	115,4	
9	374	20,63	83,6	
10	396	3,29	12,6	
11	439	2,91	10,0	
12	454	4,41	14,7	
13	10 380	75,00	10,9	Upper Marker
14	12 259	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
 Modified: 03.05.2013 17:08:08

Electropherogram Summary Continued ...



Overall Results for sample 2 : 1 ng

Number of peaks found: 14 Corr. Area 1: 642,8
 Noise: 0,3

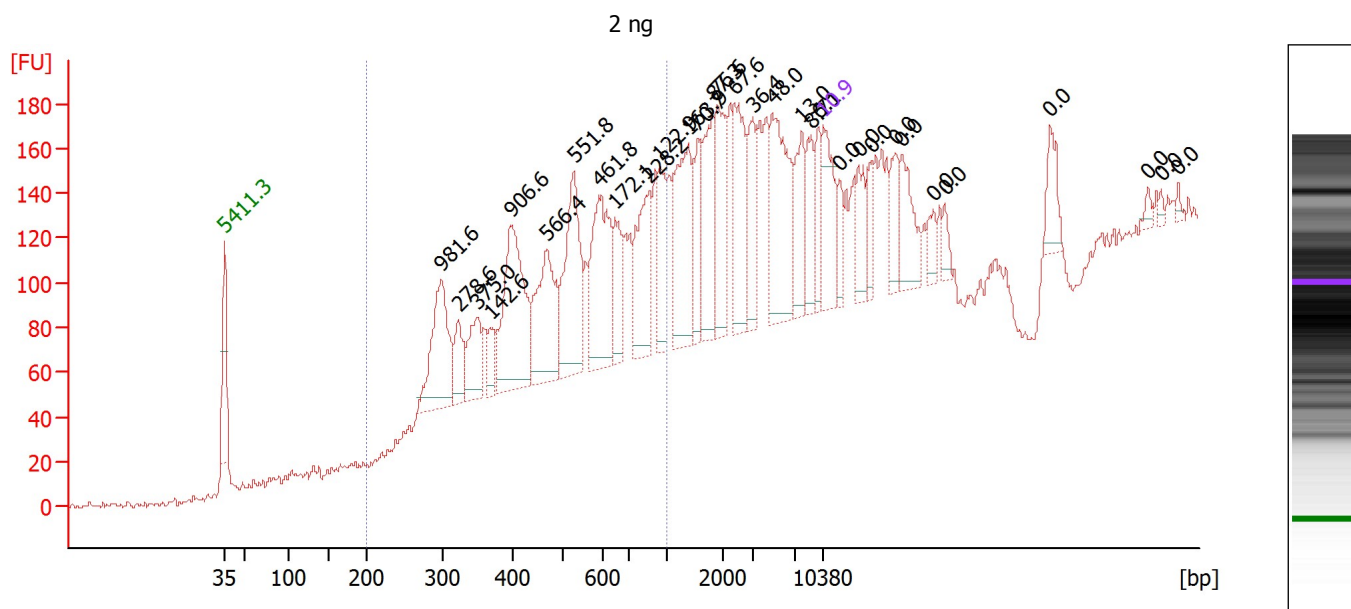
Peak table for sample 2 : 1 ng

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	213	77,29	549,0	
3	231	24,75	162,0	
4	247	34,17	209,5	
5	258	18,43	108,3	
6	281	71,67	385,8	
7	302	15,84	79,6	
8	316	30,84	147,8	
9	344	48,08	211,8	
10	371	39,86	162,9	
11	402	3,86	14,5	
12	431	7,96	28,0	
13	446	10,36	35,2	
14	507	2,80	8,4	
15	533	5,13	14,6	
16	10 380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
 Modified: 03.05.2013 17:08:08

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2 ng

Number of peaks found: 32 Corr. Area 1: 1 545,1
 Noise: 1,8

Peak table for sample 3 : 2 ng

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	298	192,79	981,6	
3	322	59,18	278,6	
4	347	85,89	375,0	
5	368	34,60	142,6	
6	397	237,38	906,6	
7	468	175,04	566,4	
8	529	192,49	551,8	
9	591	180,21	461,8	
10	646	73,38	172,1	
11	860	129,45	228,2	
12	938	76,11	122,9	
13	1 383	149,64	163,9	
14	1 552	72,36	70,7	
15	1 814	104,52	87,3	
16	1 898	95,90	76,6	
17	2 383	106,25	67,6	
18	2 981	71,52	36,4	
19	4 833	153,12	48,0	
20	7 732	66,58	13,0	
21	8 830	50,84	8,7	
22	9 734	39,27	6,1	
23	10 380	75,00	10,9	Upper Marker
24	12 253	0,00	0,0	
25	14 578	0,00	0,0	
26	16 193	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
Modified: 03.05.2013 17:08:08

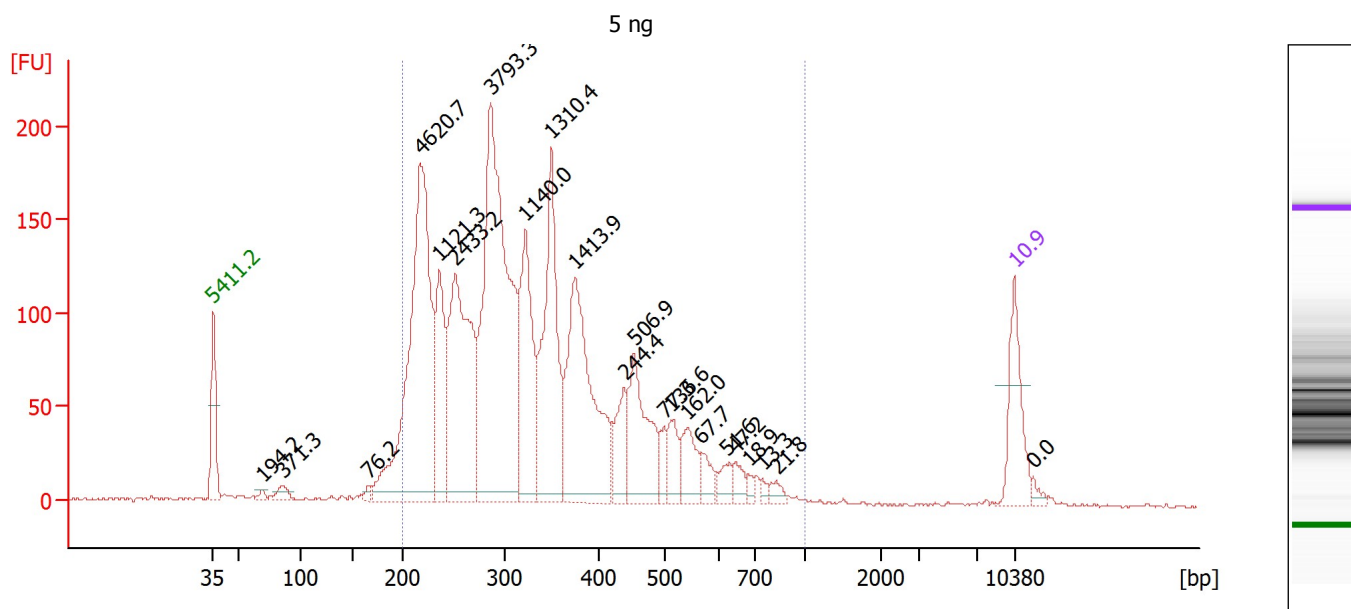
Electropherogram Summary Continued ...**... Peak table for sample 3 : 2 ng**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	19 035	0,00	0,0	
28	19 875	0,00	0,0	
29	23 686	0,00	0,0	
30	25 042	0,00	0,0	
31	37 831	0,00	0,0	
32	49 651	0,00	0,0	
33	51 265	0,00	0,0	
34	53 332	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
 Modified: 03.05.2013 17:08:08

Electropherogram Summary Continued ...



Overall Results for sample 4 : 5 ng

Number of peaks found: 22 Corr. Area 1: 3 543,0
 Noise: 0,9

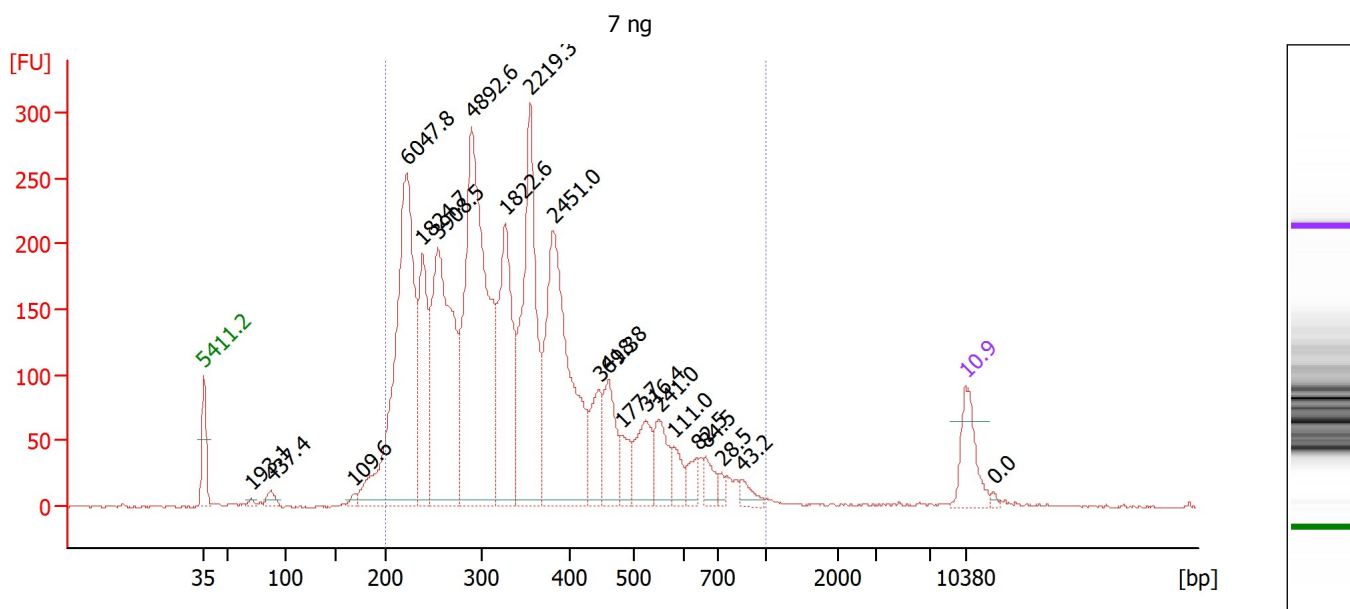
Peak table for sample 4 : 5 ng

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	69	8,82	194,2	
3	85	20,86	371,3	
4	166	8,35	76,2	
5	216	658,48	4 620,7	
6	235	174,13	1 121,3	
7	251	403,07	2 433,2	
8	286	714,85	3 793,3	
9	321	241,78	1 140,0	
10	349	301,66	1 310,4	
11	374	349,46	1 413,9	
12	438	70,66	244,4	
13	453	151,62	506,9	
14	498	25,42	77,3	
15	510	46,04	136,6	
16	541	57,88	162,0	
17	568	25,39	67,7	
18	621	21,13	51,6	
19	646	20,11	47,2	
20	681	8,49	18,9	
21	743	6,53	13,3	
22	828	11,93	21,8	
23	10 380	75,00	10,9	Upper Marker
24	12 070	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
 Modified: 03.05.2013 17:08:08

Electropherogram Summary Continued ...



Overall Results for sample 5 : 7 ng

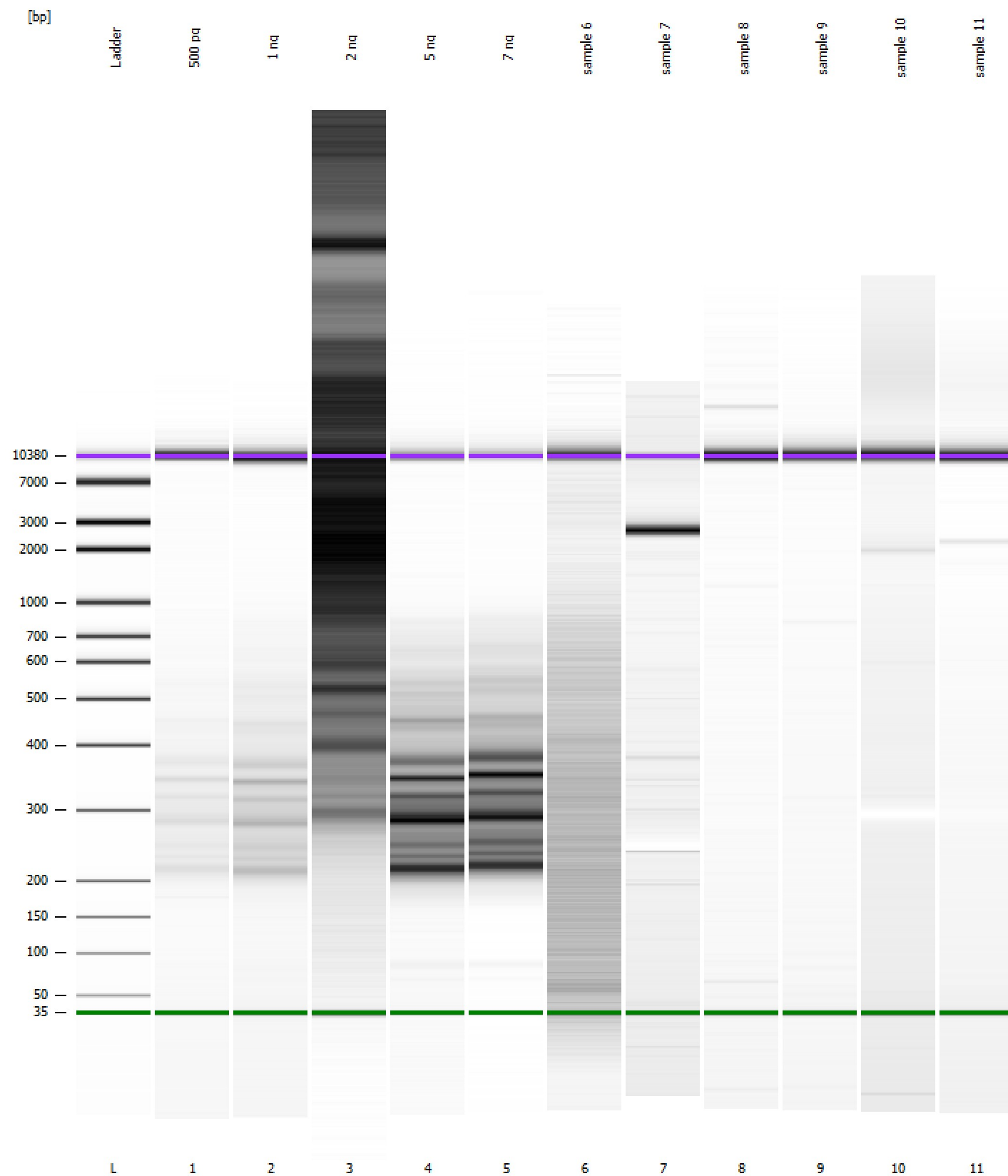
Number of peaks found: 21 Corr. Area 1: 5 260,9
 Noise: 0,6

Peak table for sample 5 : 7 ng

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125,00	5 411,3	Lower Marker
2	70	8,92	193,1	
3	87	25,02	437,4	
4	169	12,22	109,6	
5	223	890,56	6 047,8	
6	239	287,93	1 824,7	
7	255	657,91	3 908,5	
8	290	935,56	4 892,6	
9	327	393,65	1 822,6	
10	355	519,83	2 219,3	
11	381	615,94	2 451,0	
12	445	108,58	369,3	
13	461	127,32	418,8	
14	482	56,48	177,7	
15	524	109,50	316,4	
16	551	87,59	241,0	
17	579	42,43	111,0	
18	637	34,67	82,5	
19	663	36,99	84,5	
20	714	13,45	28,5	
21	845	24,08	43,2	
22	10 380	75,00	10,9	Upper Marker
23	13 072	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
Modified: 03.05.2013 17:08:08

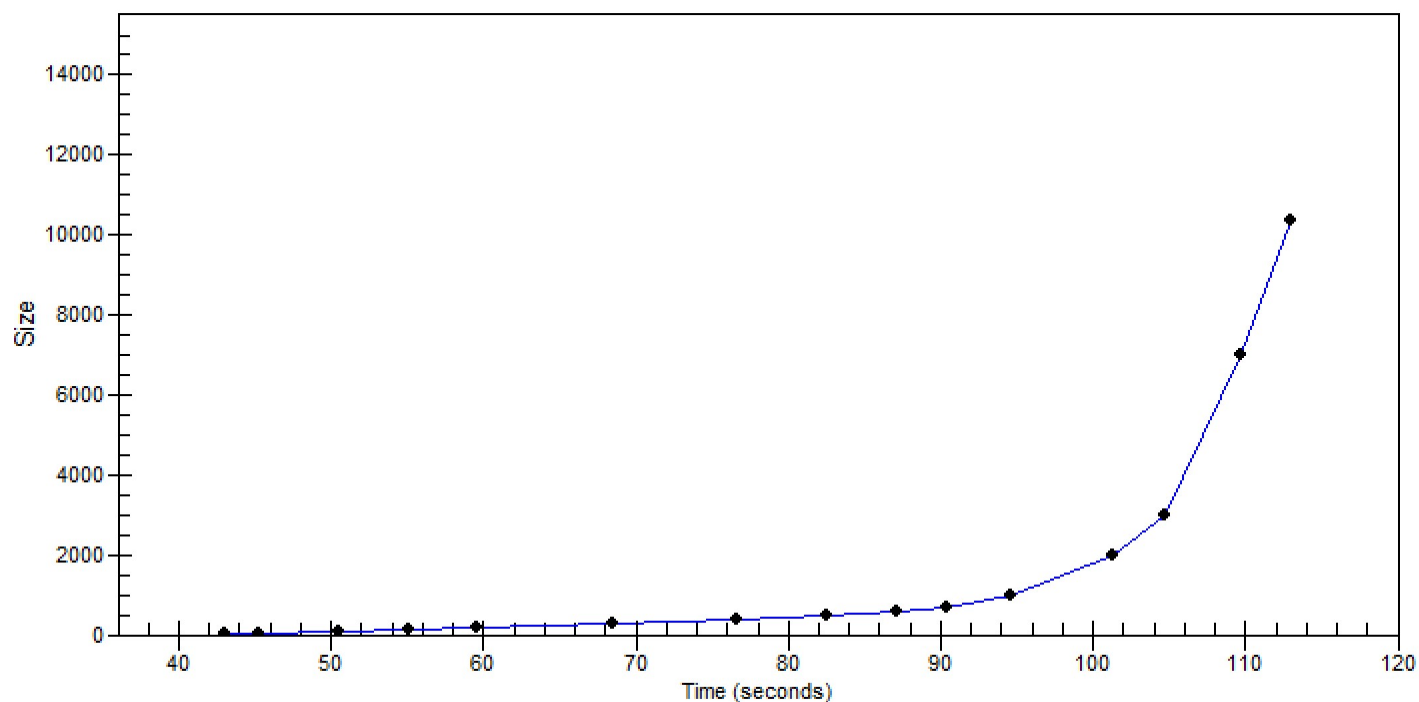
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
Modified: 03.05.2013 17:08:08

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... libraries\Pre-test 2 RNA seq library, #9, 15uM oligo, .xad

Created: 03.05.2013 16:20:11
 Modified: 03.05.2013 17:08:08

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		03.05.2013 17:01:33	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2013-05-03\2100 expert_High Sensitivity DNA Assay_DE72902250_2013-05-03_16-20-11.xad)		Instrument	Run		03.05.2013 16:20:17	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Product Number : G2939A		Instrument	Run		03.05.2013 16:20:17	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Name :		Instrument	Run		03.05.2013 16:20:17	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Vendor : Agilent Technologies		Instrument	Run		03.05.2013 16:20:17	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Serial# : DE72902250		Instrument	Run		03.05.2013 16:20:17	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Firmware : C.01.069		Instrument	Run		03.05.2013 16:20:17	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578
Cartridge : Electrode		Instrument	Run		03.05.2013 16:20:17	(GMT +02:00) W. Europe Standard Time	susanma	NT-07578