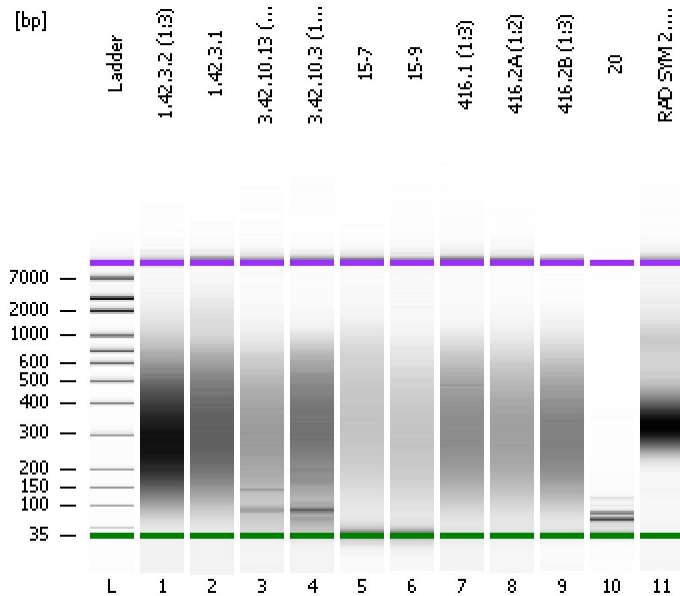


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
Modified: 1/29/2015 11:54:12 AM

**Electrophoresis File Run Summary**



Instrument Information:

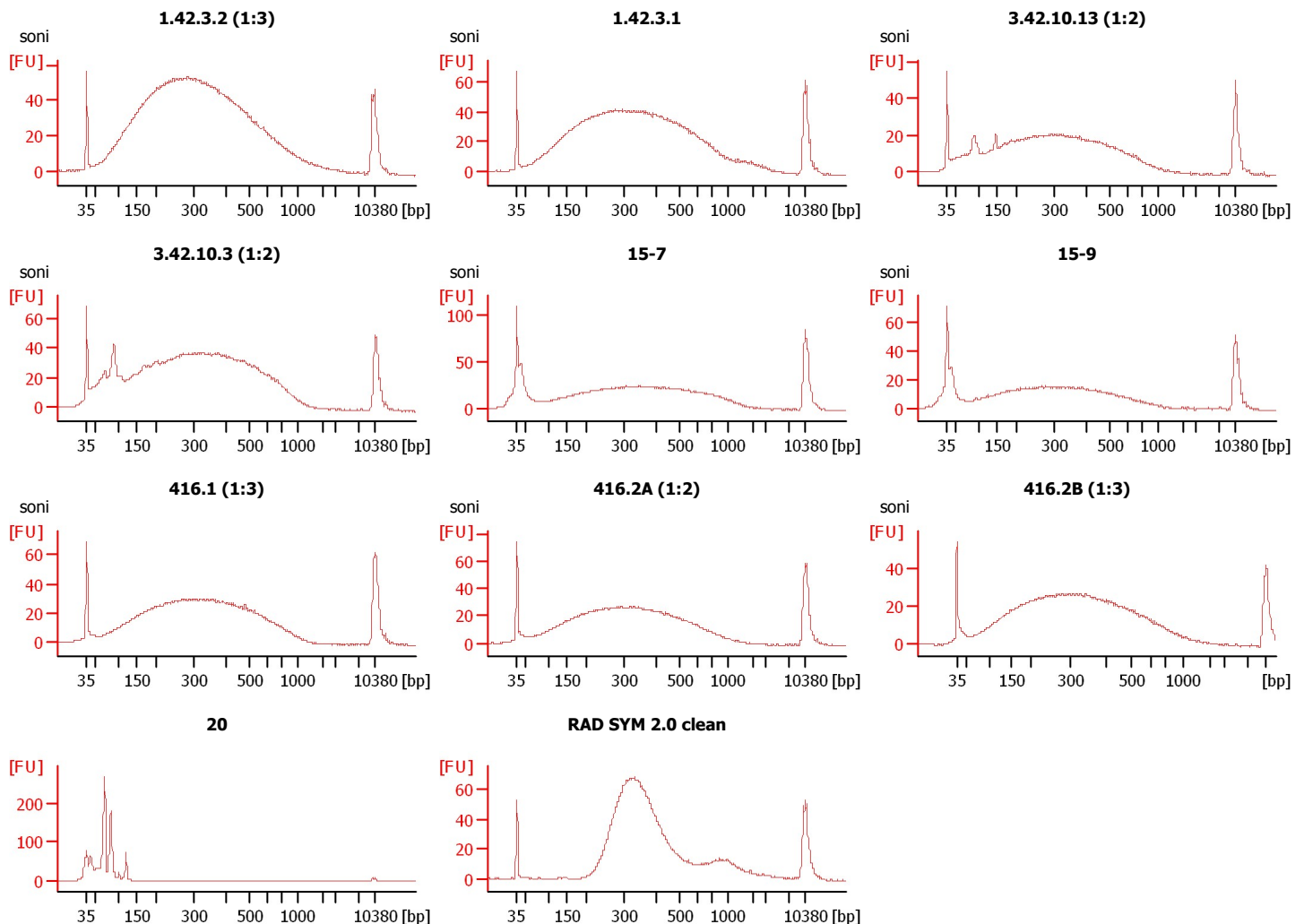
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
 Modified: 1/29/2015 11:54:12 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1.42.3.2 (1:3)	soni	<input type="checkbox"/>	✓			
1.42.3.1	soni	<input type="checkbox"/>	✓			
3.42.10.13 (1:2)	soni	<input type="checkbox"/>	✓			
3.42.10.3 (1:2)	soni	<input type="checkbox"/>	✓			
15-7	soni	<input type="checkbox"/>	✓			
15-9	soni	<input type="checkbox"/>	✓			
416.1 (1:3)	soni	<input type="checkbox"/>	✓			
416.2A (1:2)	soni	<input type="checkbox"/>	✓			
416.2B (1:3)	soni	<input type="checkbox"/>	✓			
20		<input type="checkbox"/>	✓			
RAD SYM 2.0 clean		<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\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
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**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

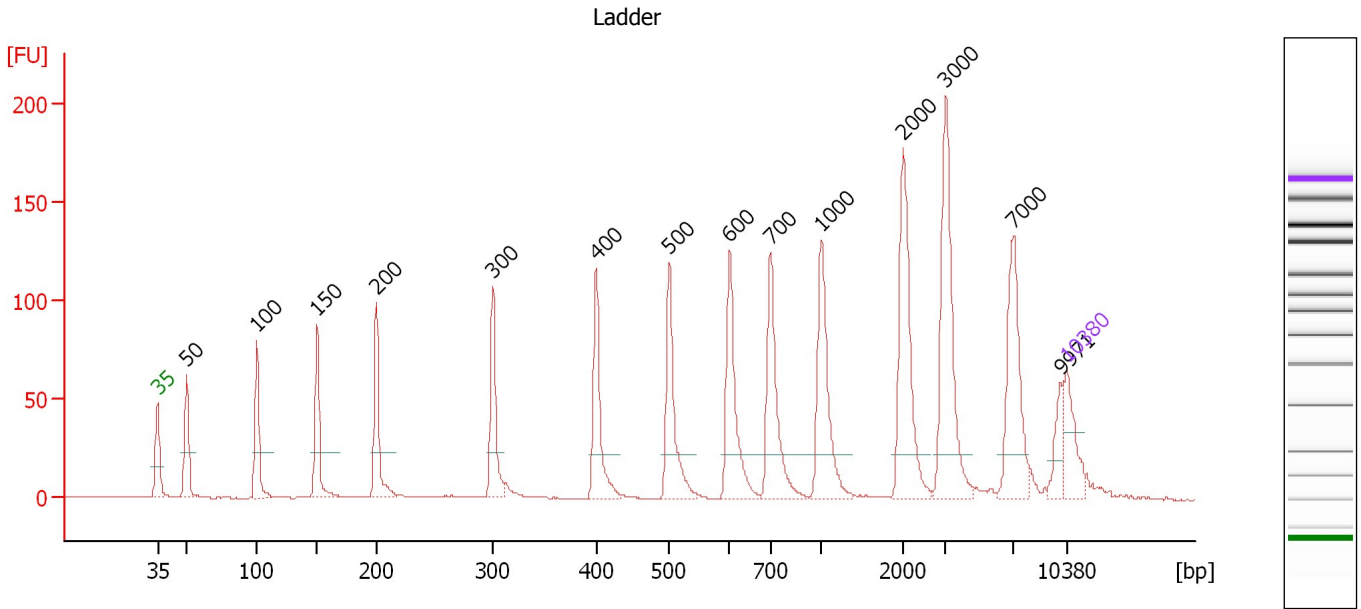
**Ladder**

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\2015-01-29\2015-01-29\_003.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

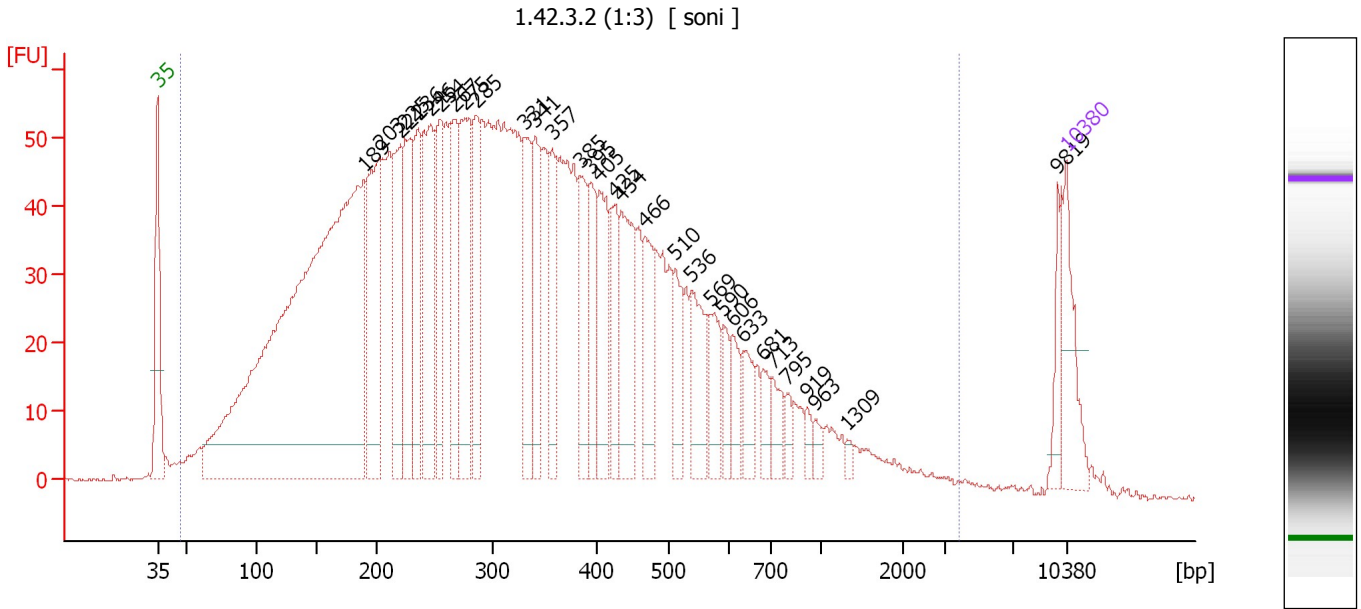
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.24
3	100	150.00	2,272.7	Ladder Peak	50.65
4	150	150.00	1,515.2	Ladder Peak	55.30
5	200	150.00	1,136.4	Ladder Peak	59.86
6	300	150.00	757.6	Ladder Peak	68.85
7	400	150.00	568.2	Ladder Peak	76.77
8	500	150.00	454.5	Ladder Peak	82.41
9	600	150.00	378.8	Ladder Peak	87.06
10	700	150.00	324.7	Ladder Peak	90.19
11	1,000	150.00	227.3	Ladder Peak	94.12
12	2,000	150.00	113.6	Ladder Peak	100.43
13	3,000	150.00	75.8	Ladder Peak	103.65
14	7,000	150.00	32.5	Ladder Peak	108.93
15	9,971	0.00	0.0		112.51
16	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1.42.3.2 (1:3)**

Number of peaks found: 32                      Corr. Area 1: 2,692.6  
 Noise: 0.3

**Peak table for sample 1 : 1.42.3.2 (1:3)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	189	1,667.83	13,345.9		58.89
3	203	281.17	2,101.6		60.11
4	221	163.55	1,120.1		61.77
5	225	188.28	1,269.3		62.09
6	236	153.84	988.7		63.08
7	246	248.67	1,529.9		64.02
8	254	140.12	834.9		64.74
9	267	157.43	894.1		65.87
10	275	195.95	1,078.4		66.63
11	285	141.44	751.1		67.53
12	331	136.24	623.4		71.32
13	341	115.48	513.5		72.08
14	357	99.46	421.8		73.39
15	385	112.60	443.7		75.55
16	395	81.84	313.6		76.40
17	405	125.32	469.2		77.03
18	425	90.35	321.8		78.20
19	434	150.18	524.0		78.70
20	466	95.72	311.1		80.50
21	510	65.16	193.5		82.88
22	536	94.30	266.3		84.10
23	569	59.52	158.4		85.63
24	590	33.01	84.8		86.58
25	606	39.15	97.8		87.25

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 1 : 1.42.3.2 (1:3)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	633	43.74	104.6		88.11
27	681	28.79	64.1		89.59
28	713	32.59	69.3		90.36
29	795	17.01	32.4		91.44
30	919	14.35	23.7		93.06
31	963	12.10	19.0		93.64
32	1,309	6.92	8.0		96.07
33	9,819	36.25	5.6		112.32
34	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 1 : 1.42.3.2 (1:3)**

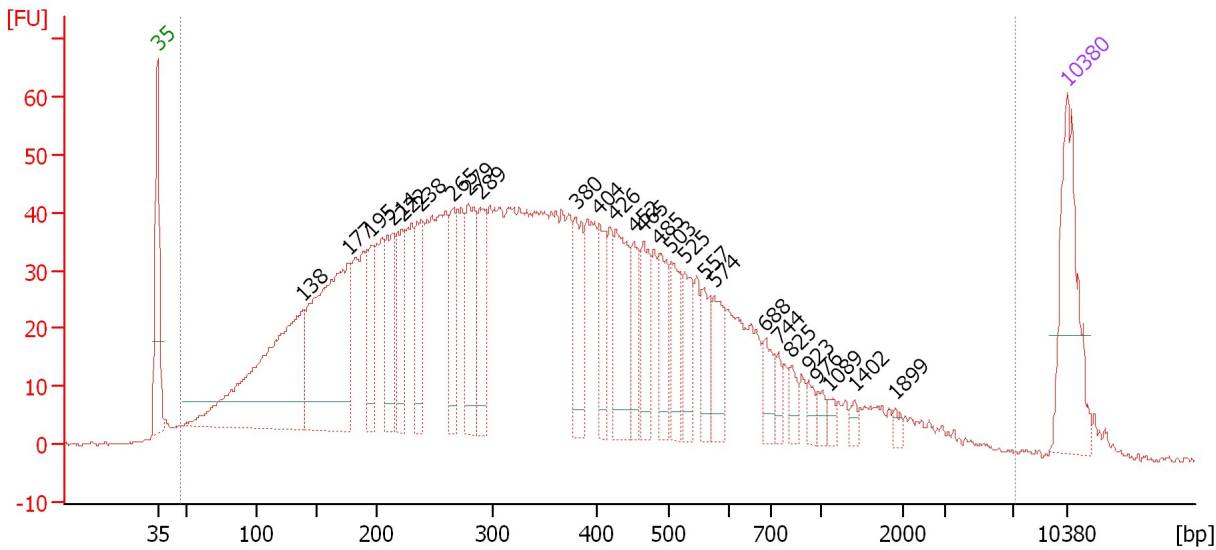
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
46	372	3,849	2,692.6	98	80.9	7,293.72	49,862.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
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**Electropherogram Summary Continued ...**

1.42.3.1 [ soni ]



**Overall Results for sample 2 : 1.42.3.1**

Number of peaks found: 27                      Corr. Area 1: 2,296.7  
 Noise: 0.3

**Peak table for sample 2 : 1.42.3.1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	138	291.89	3,204.8		54.18
3	177	266.89	2,283.3		57.77
4	195	53.45	414.8		59.43
5	214	66.41	469.9		61.13
6	222	62.42	426.4		61.82
7	238	62.69	398.8		63.30
8	265	57.91	330.7		65.74
9	279	76.97	417.8		66.98
10	289	62.96	330.2		67.85
11	380	54.12	215.6		75.22
12	404	39.11	146.6		77.01
13	426	73.59	261.6		78.25
14	452	37.29	125.1		79.68
15	465	46.11	150.3		80.42
16	485	41.14	128.5		81.57
17	503	40.60	122.4		82.53
18	525	35.17	101.4		83.59
19	557	28.71	78.1		85.06
20	574	35.70	94.2		85.85
21	688	21.74	47.9		89.80
22	744	11.70	23.8		90.77
23	825	11.55	21.2		91.83
24	923	8.71	14.3		93.12
25	976	7.91	12.3		93.81

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : 1.42.3.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,089	5.97	8.3		94.68
27	1,402	5.08	5.5		96.66
28	1,899	4.41	3.5		99.79
29	10,380	75.00	10.9	Upper Marker	113.00

#### Region table for sample 2 : 1.42.3.1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
46	453	7,031	2,296.7	99	100.0	3,209.95	21,416.8	

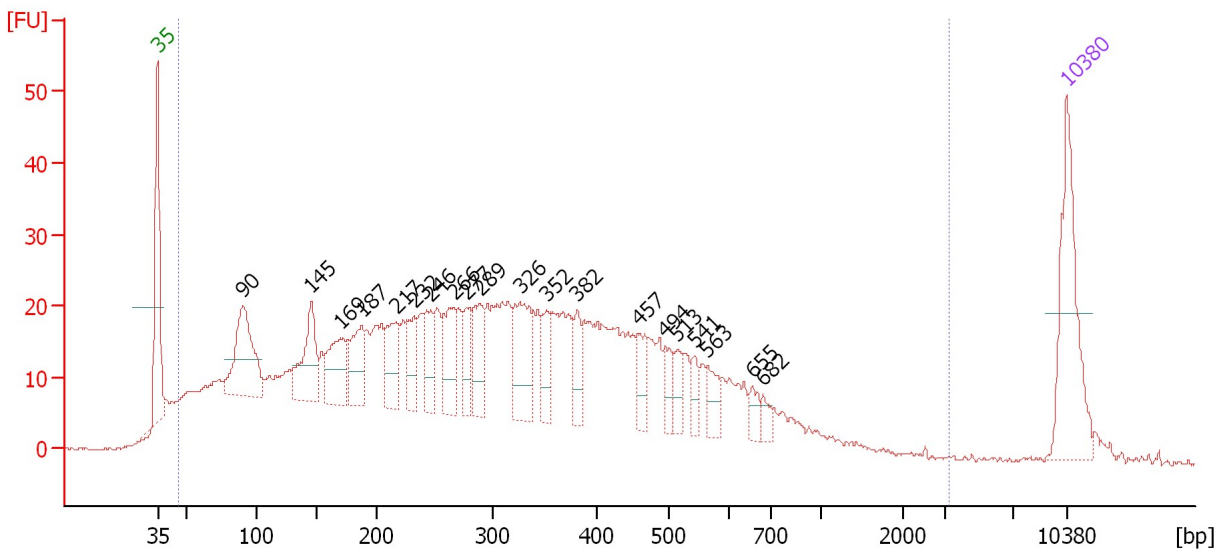


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
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**Electropherogram Summary Continued ...**

3.42.10.13 (1:2) [ soni ]



**Overall Results for sample 3 : 3.42.10.13 (1:2)**

Number of peaks found: 20                      Corr. Area 1: 1,193.8  
 Noise: 0.3

**Peak table for sample 3 : 3.42.10.13 (1:2)**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	90	106.63	1,790.1		49.59
3	145	70.72	739.3		54.83
4	169	54.77	489.7		57.07
5	187	48.95	395.8		58.71
6	217	44.80	313.0		61.38
7	232	34.20	223.4		62.73
8	246	34.13	209.8		64.04
9	266	49.90	284.0		65.82
10	277	29.41	160.8		66.80
11	289	42.09	220.9		67.83
12	326	69.35	322.3		70.92
13	352	25.12	108.1		72.97
14	382	23.28	92.4		75.31
15	457	24.04	79.7		79.99
16	494	16.01	49.2		82.04
17	513	15.34	45.3		83.03
18	541	12.46	34.9		84.34
19	563	17.61	47.4		85.32
20	655	11.26	26.0		88.78
21	682	8.48	18.8		89.62
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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Modified: 1/29/2015 11:54:12 AM

**Electropherogram Summary Continued ...**

... Region table for sample 3 : **3.42.10.13 (1:2)**

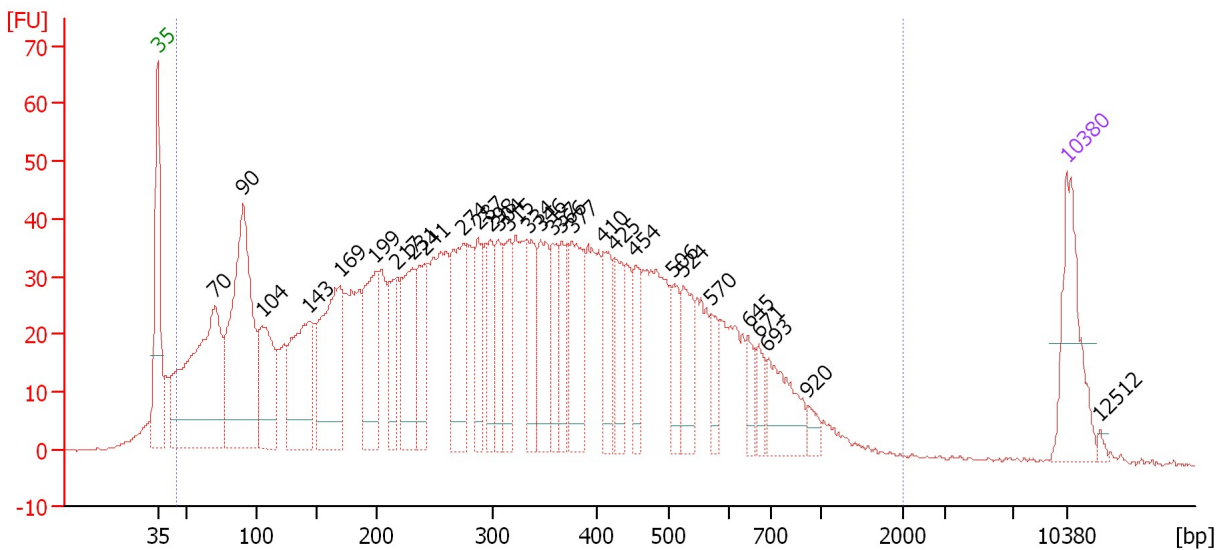
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Color
46	343	3,215	1,193.8	98	72.3	2,315.57	19,471.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
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**Electropherogram Summary Continued ...**

3.42.10.3 (1:2) [ soni ]



**Overall Results for sample 4 : 3.42.10.3 (1:2)**

Number of peaks found: 30                      Corr. Area 1: 2,184.8  
 Noise: 0.2

**Peak table for sample 4 : 3.42.10.3 (1:2)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	70	352.96	7,618.5		47.42
3	90	350.90	5,881.0		49.61
4	104	130.85	1,903.2		51.04
5	143	159.77	1,692.6		54.65
6	169	194.41	1,743.6		57.03
7	199	116.47	886.1		59.79
8	217	57.71	403.6		61.36
9	231	111.42	731.1		62.64
10	241	81.34	511.5		63.54
11	274	113.90	630.4		66.49
12	287	58.71	310.0		67.68
13	298	57.49	292.8		68.63
14	304	56.55	281.4		69.20
15	315	63.77	306.5		70.06
16	334	60.86	276.2		71.53
17	346	78.63	344.4		72.48
18	357	53.23	225.8		73.39
19	366	52.41	216.8		74.10
20	377	86.96	349.4		74.96
21	410	55.89	206.6		77.33
22	425	56.20	200.3		78.19
23	454	38.42	128.2		79.81
24	506	43.23	129.3		82.71
25	524	55.25	159.8		83.52

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : 3.42.10.3 (1:2)

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	570	28.52	75.8		85.66
27	645	21.04	49.4		88.46
28	671	22.03	49.8		89.27
29	693	62.69	137.0		89.98
30	920	11.17	18.4		93.07
31	10,380	75.00	10.9	Upper Marker	113.00
32	12,512	0.00	0.0		115.57

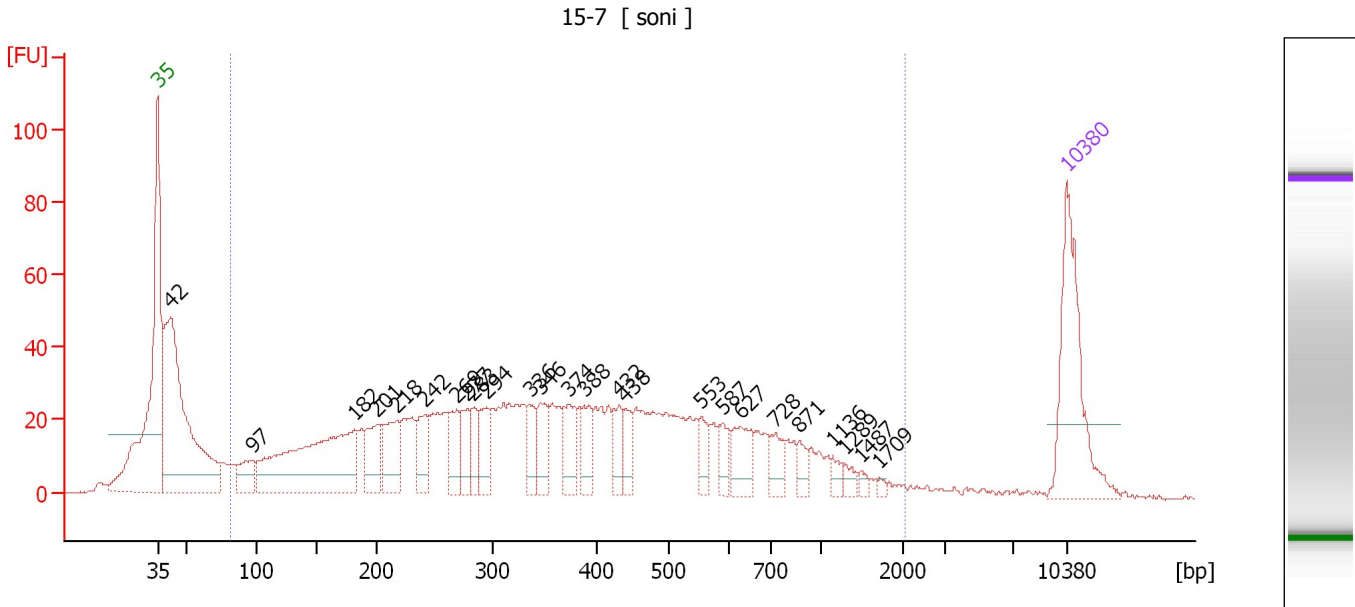
#### Region table for sample 4 : 3.42.10.3 (1:2)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Color
44	337	1,989	2,184.8	98	61.3	3,828.90	33,441.5	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 15-7**

Number of peaks found: 25                      Corr. Area 1: 1,348.6  
 Noise: 0.3

**Peak table for sample 5 : 15-7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	42	292.39	10,602.1		44.01
3	97	28.81	452.1		50.27
4	182	186.66	1,558.1		58.18
5	201	39.01	294.7		59.91
6	218	44.44	309.4		61.45
7	242	29.19	182.9		63.62
8	269	28.96	163.1		66.08
9	277	22.50	123.0		66.80
10	283	21.02	112.5		67.33
11	294	28.33	145.8		68.34
12	336	22.18	100.2		71.66
13	346	27.83	121.7		72.53
14	374	31.02	125.7		74.70
15	388	23.27	90.8		75.86
16	432	20.67	72.6		78.55
17	438	16.59	57.3		78.94
18	553	14.74	40.4		84.87
19	587	13.12	33.9		86.45
20	627	27.61	66.7		87.90
21	728	16.18	33.7		90.55
22	871	10.21	17.8		92.43
23	1,136	6.43	8.6		94.98
24	1,289	5.22	6.1		95.95
25	1,487	3.35	3.4		97.20

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 5 : 15-7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,709	2.12	1.9		98.60
27	10,380	75.00	10.9	Upper Marker	113.00

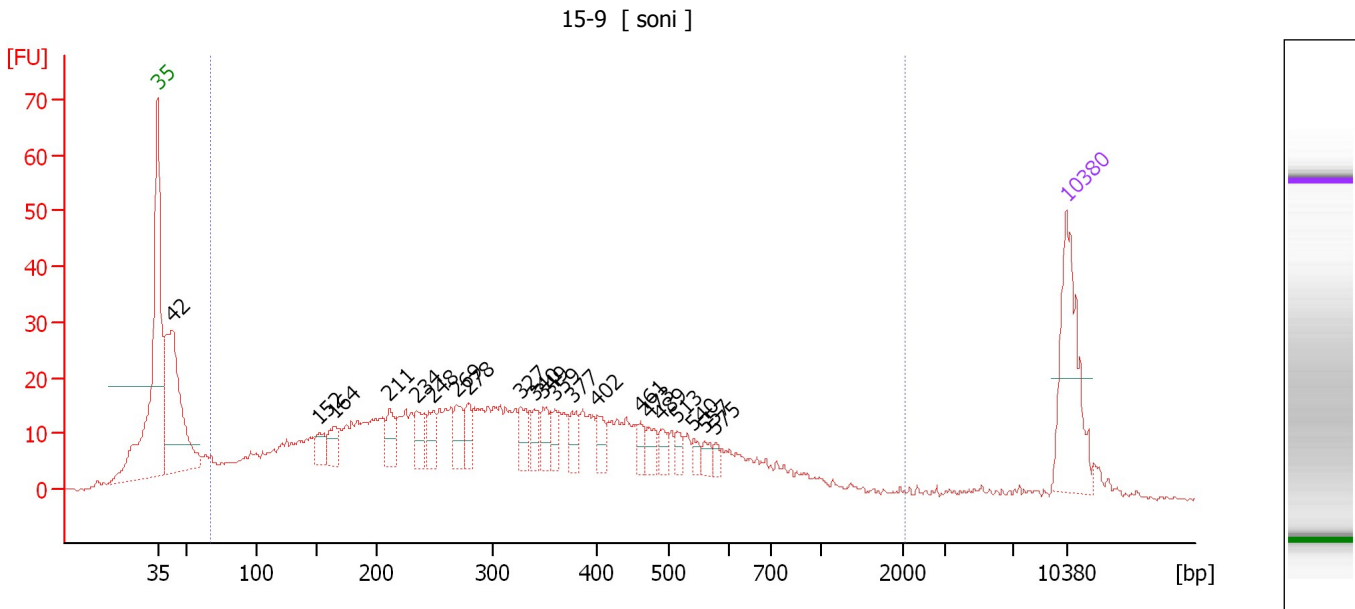
#### Region table for sample 5 : 15-7

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
82	431	2,043	1,348.6	82	67.5	1,200.50	7,173.4	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
 Modified: 1/29/2015 11:54:12 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 15-9**

Number of peaks found: 21                      Corr. Area 1: 792.2  
 Noise: 0.2

**Peak table for sample 6 : 15-9**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	42	205.42	7,375.0		44.07
3	152	18.69	186.8		55.45
4	164	22.63	209.2		56.57
5	211	25.10	180.5		60.82
6	234	23.43	151.7		62.92
7	248	22.91	139.9		64.19
8	269	24.05	135.6		66.04
9	278	20.79	113.1		66.92
10	327	23.19	107.6		70.97
11	340	17.29	77.1		72.00
12	349	20.96	91.0		72.73
13	359	15.37	64.8		73.56
14	377	18.57	74.7		74.92
15	402	13.62	51.4		76.88
16	461	11.57	38.0		80.20
17	473	14.30	45.8		80.88
18	489	10.16	31.5		81.76
19	513	8.54	25.2		83.03
20	540	7.22	20.3		84.25
21	557	8.68	23.6		85.08
22	575	5.69	15.0		85.91
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
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**Electropherogram Summary Continued ...**

... Region table for sample 6 : 15-9

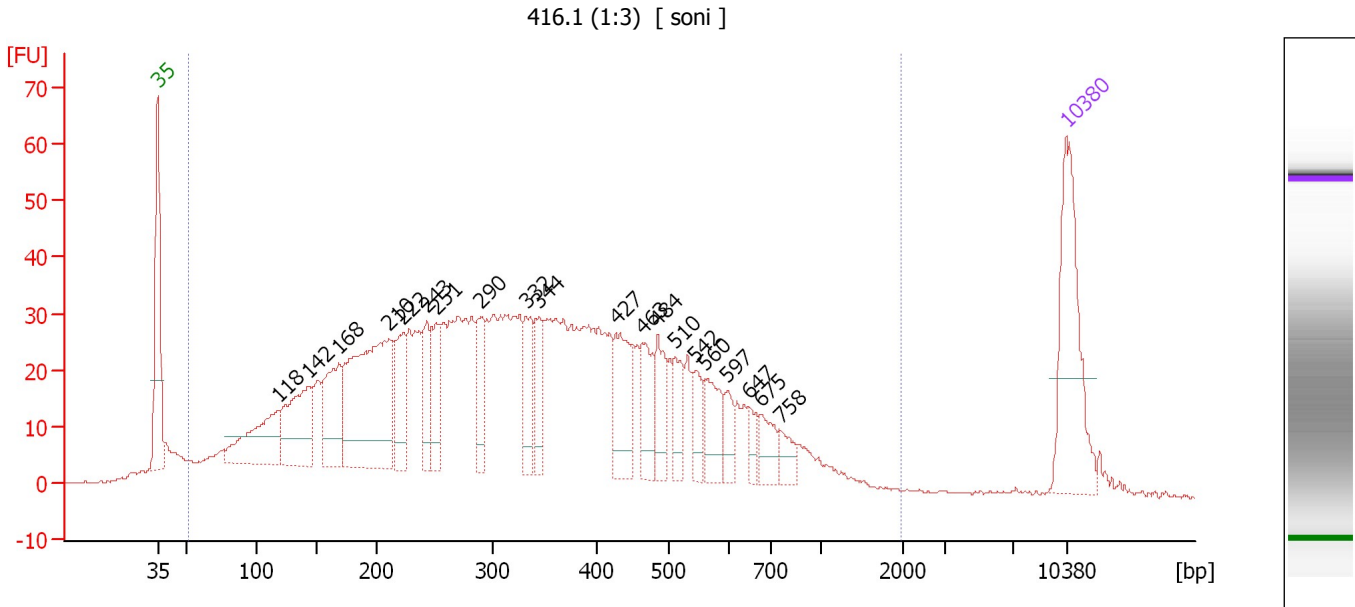
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Color
67	355	2,040	792.2	84	62.2	1,382.24	9,609.3	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 416.1 (1:3)**

Number of peaks found: 20                      Corr. Area 1: 1,528.5  
 Noise: 0.2

**Peak table for sample 7 : 416.1 (1:3)**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	118	81.34	1,047.2		52.29
3	142	86.25	919.5		54.57
4	168	74.05	667.9		56.94
5	210	190.44	1,371.5		60.80
6	222	46.32	315.5		61.88
7	243	36.19	225.8		63.71
8	251	38.48	232.2		64.45
9	290	34.40	180.0		67.92
10	332	36.24	165.5		71.38
11	344	30.56	134.5		72.36
12	427	56.14	199.2		78.30
13	463	33.08	108.3		80.32
14	484	32.19	100.7		81.51
15	510	24.56	72.9		82.89
16	542	19.79	55.3		84.38
17	560	31.20	84.3		85.22
18	597	14.82	37.6		86.90
19	647	10.76	25.2		88.53
20	675	19.83	44.5		89.42
21	758	12.77	25.5		90.95
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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Modified: 1/29/2015 11:54:12 AM

**Electropherogram Summary Continued ...**

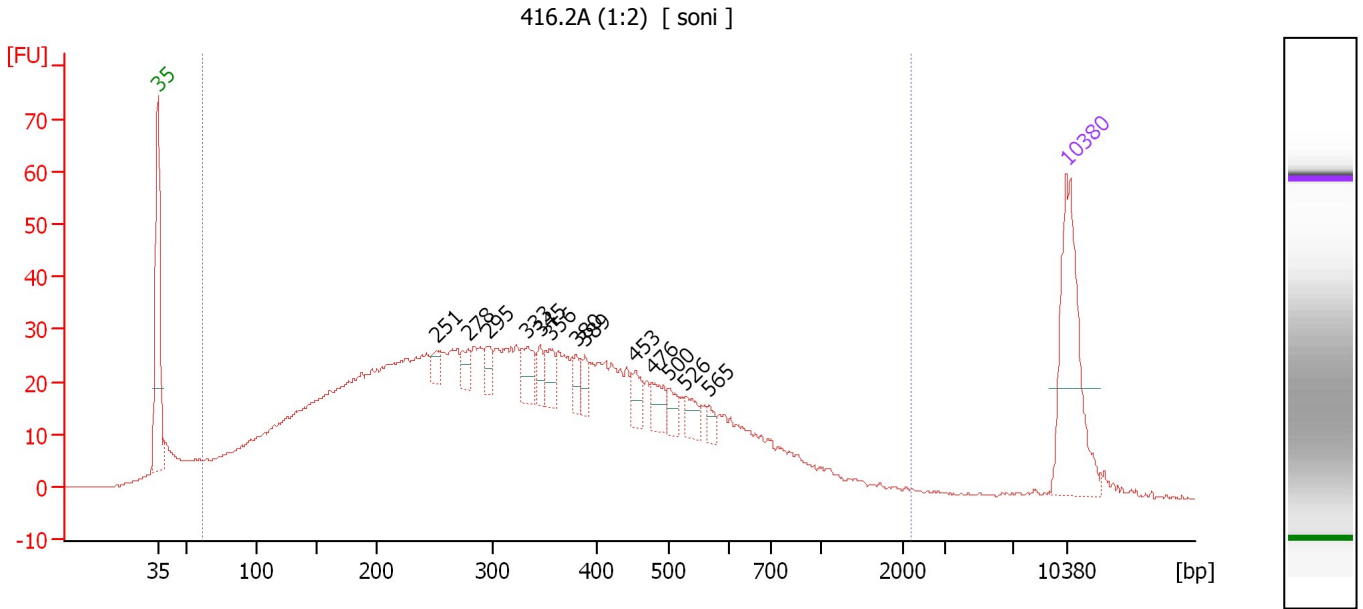
... Region table for sample 7 : **416.1 (1:3)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Color
51	357	1,975	1,528.5	97	55.8	1,971.79	13,276.4	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 416.2A (1:2)**

Number of peaks found: 13                      Corr. Area 1: 1,374.6  
 Noise: 0.2

**Peak table for sample 8 : 416.2A (1:2)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	251	9.45	57.0		64.47
3	278	9.76	53.1		66.90
4	295	12.10	62.1		68.43
5	333	20.08	91.4		71.46
6	345	11.94	52.4		72.45
7	356	15.51	66.0		73.29
8	380	11.12	44.3		75.22
9	389	10.91	42.5		75.92
10	453	13.62	45.5		79.78
11	476	15.03	47.8		81.07
12	500	10.29	31.2		82.41
13	526	12.38	35.7		83.60
14	565	6.89	18.5		85.44
15	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 8 : 416.2A (1:2)**

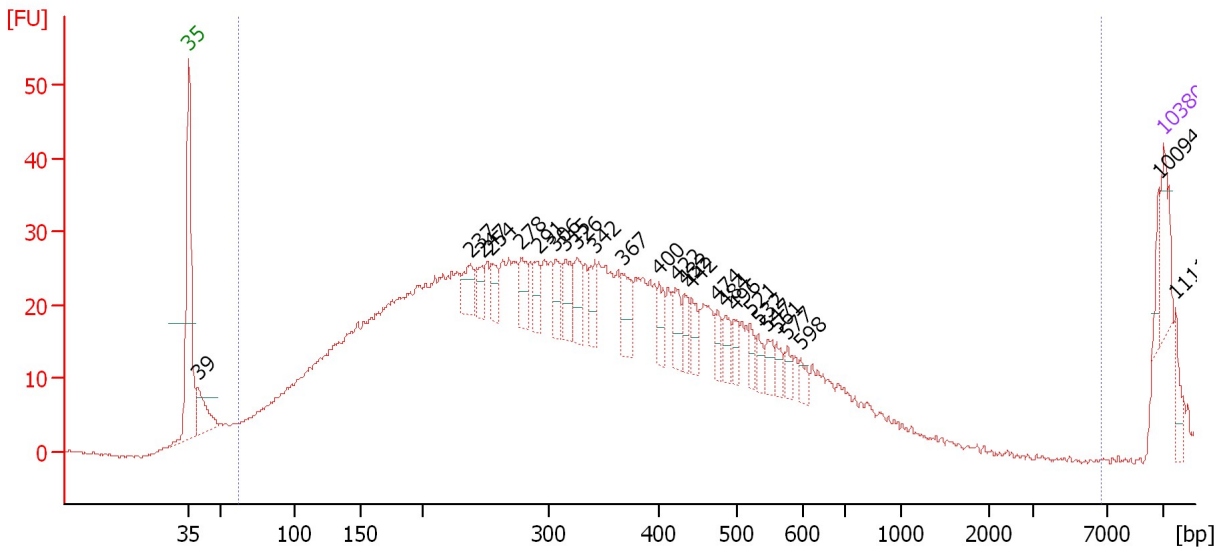
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
61	362	2,173	1,374.6	95	62.9	1,822.19	12,301.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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**Electropherogram Summary Continued ...**

416.2B (1:3) [ soni ]



**Overall Results for sample 9 : 416.2B (1:3)**

Number of peaks found: 26                      Corr. Area 1: 1,215.0  
 Noise: 0.2

**Peak table for sample 9 : 416.2B (1:3)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	39	147.73	5,686.0		43.65
3	237	82.78	528.5		63.22
4	247	50.76	311.8		64.06
5	254	59.38	353.7		64.75
6	278	77.12	420.6		66.86
7	291	63.03	327.7		68.08
8	306	71.12	352.4		69.31
9	315	85.14	409.0		70.07
10	326	82.54	384.1		70.88
11	342	69.61	308.8		72.14
12	367	84.52	349.3		74.13
13	400	60.02	227.6		76.74
14	422	66.58	239.2		78.00
15	432	46.69	163.8		78.57
16	442	56.78	194.9		79.11
17	474	40.07	128.0		80.95
18	484	47.03	147.1		81.52
19	496	37.78	115.4		82.17
20	521	36.37	105.9		83.36
21	532	34.89	99.4		83.90
22	547	41.10	113.9		84.59
23	561	29.51	79.7		85.24
24	577	28.11	73.9		85.96
25	598	29.12	73.8		86.96

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 9 : 416.2B (1:3)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,094	35.34	5.3		112.66
27	10,380	75.00	10.9	Upper Marker	113.00
28	11,111	0.00	0.0		113.88

#### Region table for sample 9 : 416.2B (1:3)

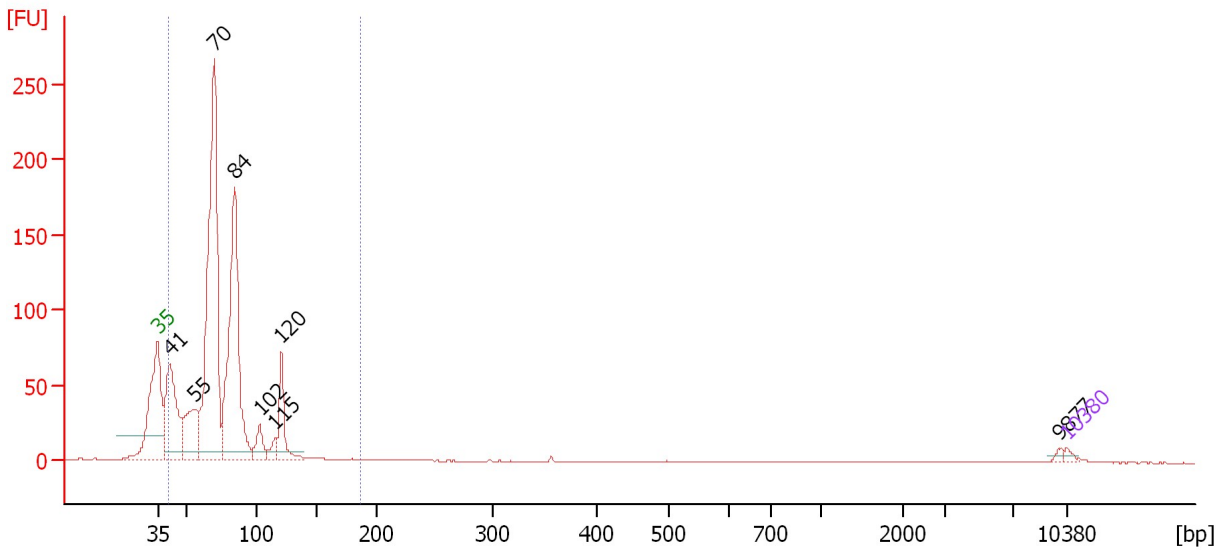
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
62	311	6,696	1,215.0	96	44.3	9,044.45	63,678.4	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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**Electropherogram Summary Continued ...**

20



**Overall Results for sample 10 : 20**

Number of peaks found: 8                      Corr. Area 1: 1,156.2  
 Noise: 0.1

**Peak table for sample 10 : 20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	41	3,665.19	134,036.0		43.96
3	55	2,132.34	58,760.4		45.78
4	70	10,915.52	236,594.5		47.39
5	84	7,756.51	140,090.6		48.90
6	102	617.66	9,137.9		50.87
7	115	337.29	4,448.1		52.03
8	120	1,446.53	18,216.5		52.54
9	9,877	62.79	9.6		112.39
10	10,380	75.00	10.9	Upper Marker	113.00

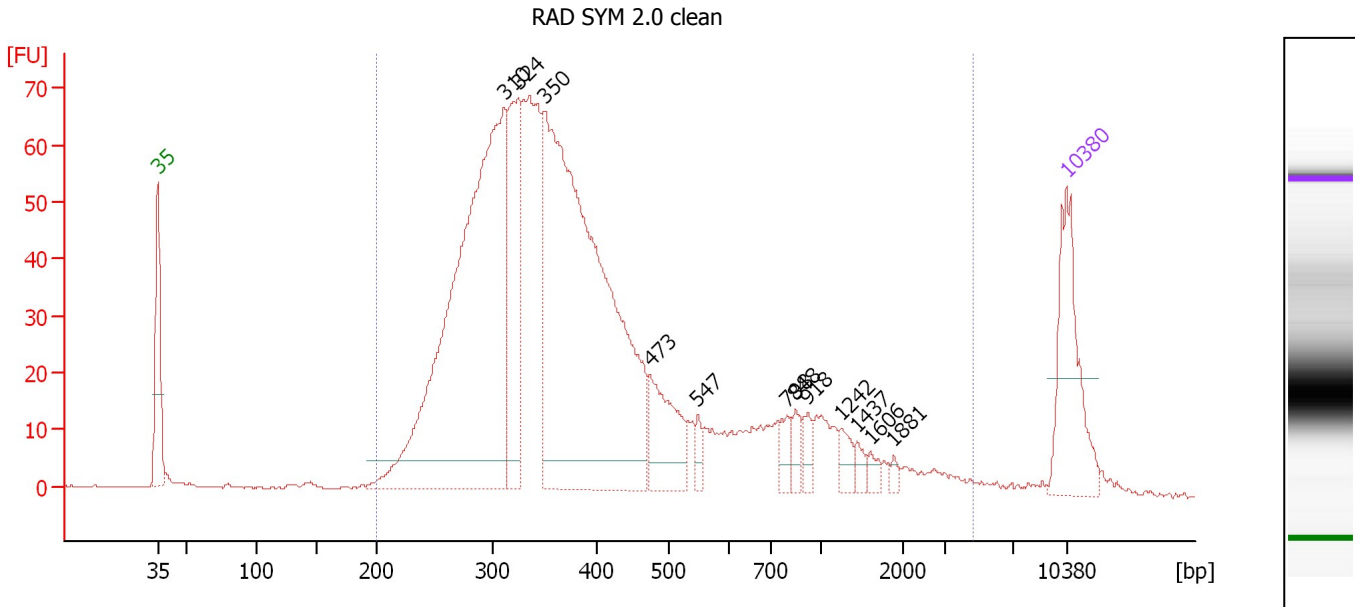
**Region table for sample 10 : 20**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
40	75	187	1,156.2	96	28.3	26,853.11	583,897.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : RAD SYM 2.0 clean**

Number of peaks found: 12                      Corr. Area 1: 1,478.2  
 Noise: 0.2

**Peak table for sample 11 : RAD SYM 2.0 clean**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	310	625.07	3,050.2		69.68
3	324	143.35	670.3		70.76
4	350	649.64	2,813.9		72.80
5	473	74.43	238.2		80.91
6	547	11.48	31.8		84.58
7	798	15.69	29.8		91.47
8	848	12.04	21.5		92.13
9	918	12.06	19.9		93.05
10	1,242	12.61	15.4		95.65
11	1,437	7.03	7.4		96.88
12	1,606	7.11	6.7		97.95
13	1,881	4.03	3.2		99.68
14	10,380	75.00	10.9	Upper Marker	113.00

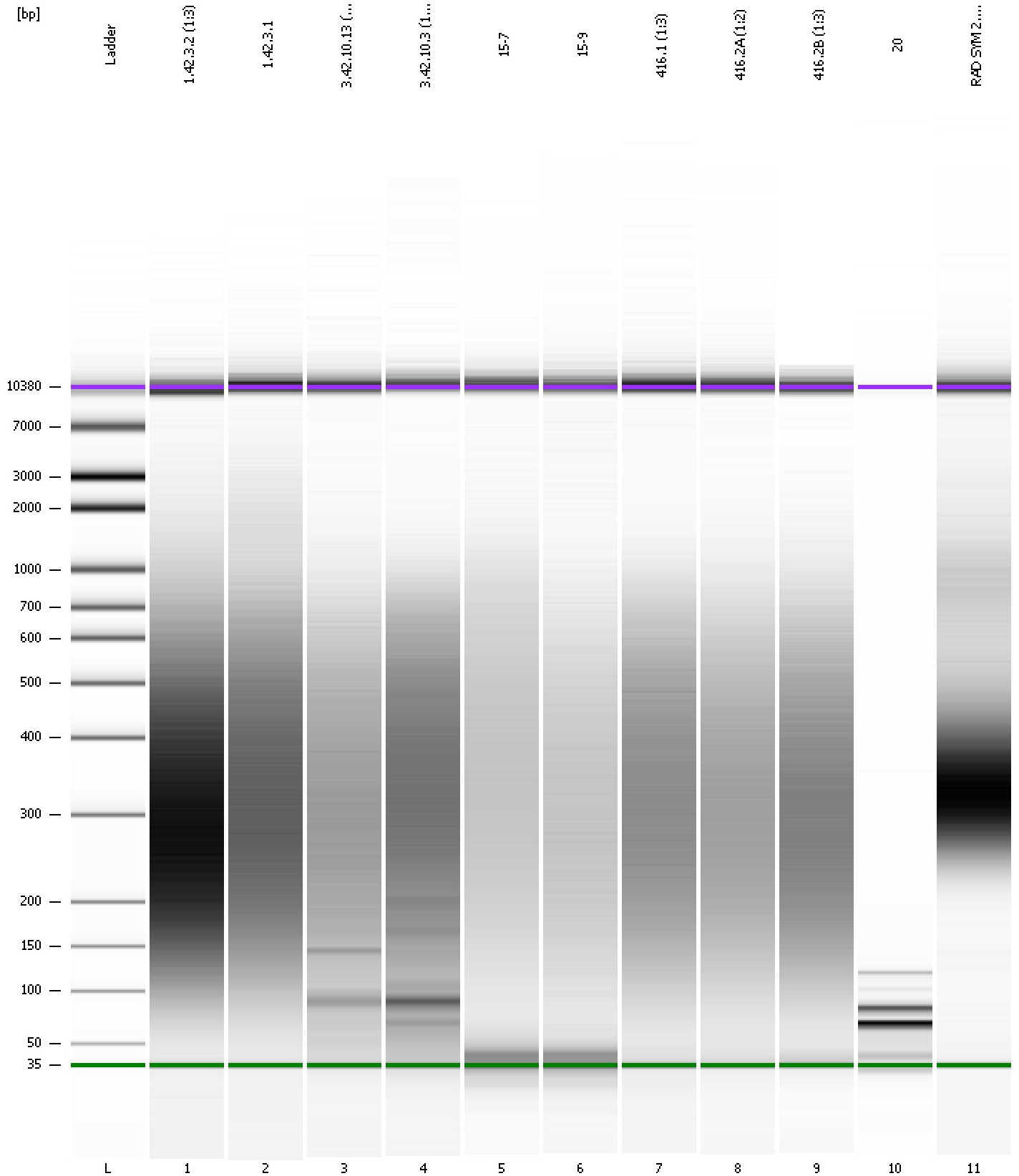
**Region table for sample 11 : RAD SYM 2.0 clean**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	486	4,626	1,478.2	98	88.9	1,945.16	8,281.0	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
Modified: 1/29/2015 11:54:12 AM

**Gel Image**





Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-29\2015-01-29\_003.xad

Created: 1/29/2015 11:12:31 AM  
 Modified: 1/29/2015 11:54:12 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		1/29/2015 11:53:51 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-01-29\2015-01-29_003.xad)		Instrument	Run		1/29/2015 11:12:36 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/29/2015 11:12:36 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/29/2015 11:12:36 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/29/2015 11:12:36 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/29/2015 11:12:36 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/29/2015 11:12:36 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/29/2015 11:12:36 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1