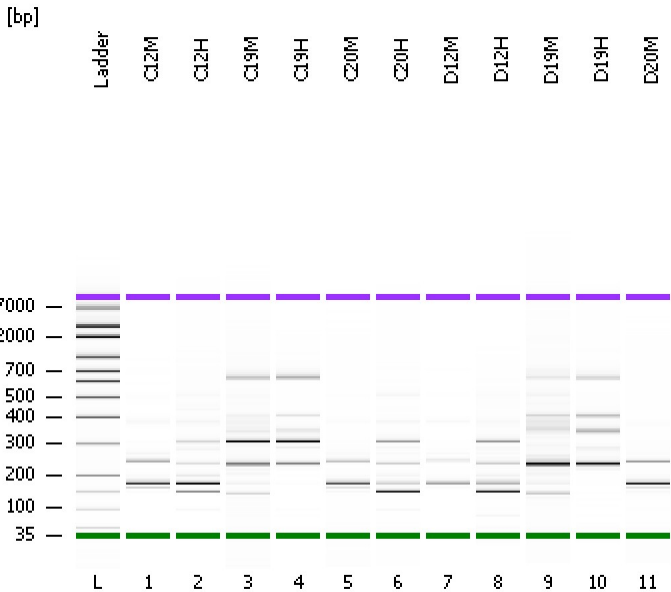


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
Modified: 7/23/2019 11:22:30 AM

Electrophoresis File Run Summary



Instrument Information:

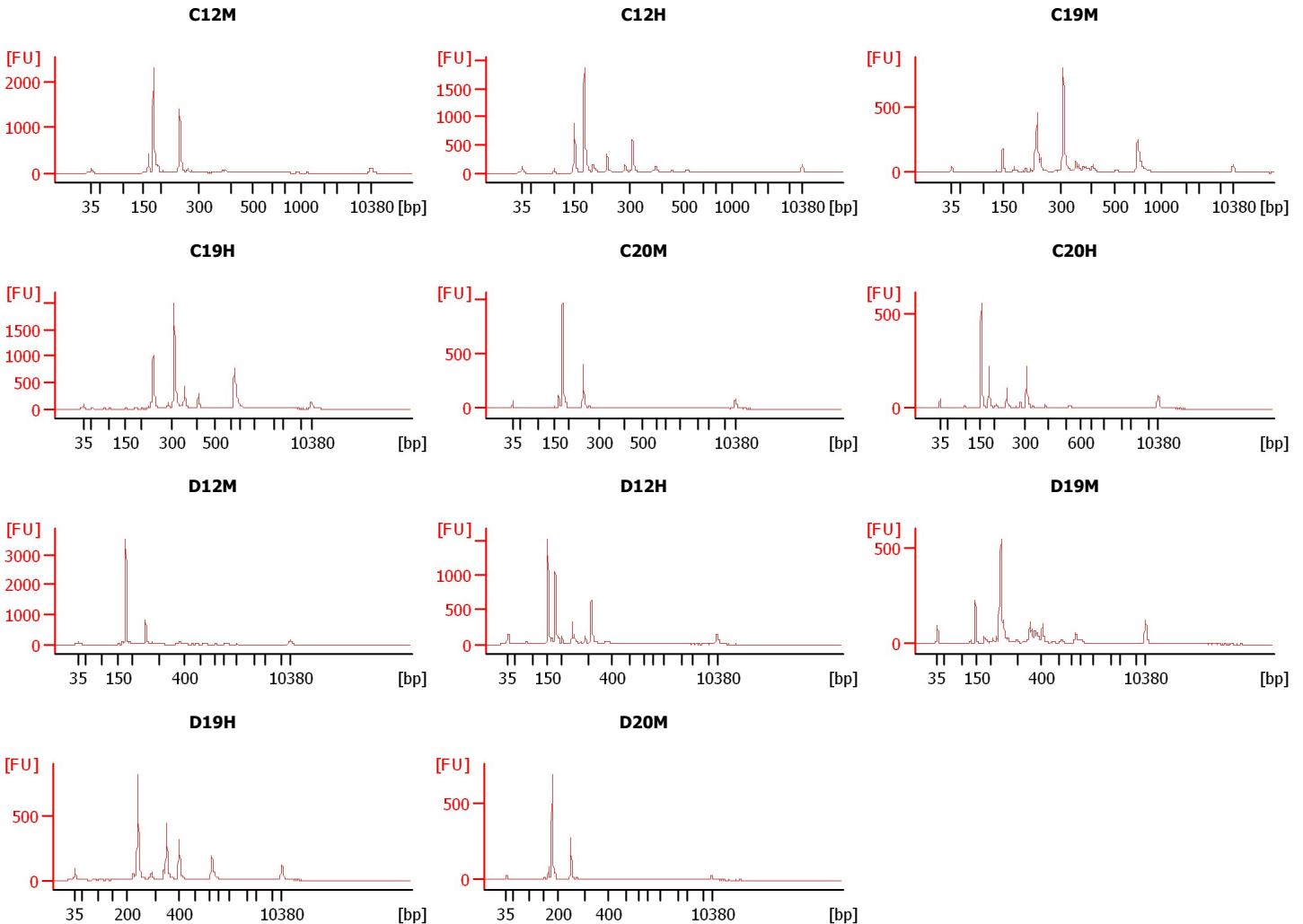
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
C12M		<input type="checkbox"/>	✓			
C12H		<input type="checkbox"/>	✓			
C19M		<input type="checkbox"/>	✓			
C19H		<input type="checkbox"/>	✓			
C20M		<input type="checkbox"/>	✓			
C20H		<input type="checkbox"/>	✓			
D12M		<input type="checkbox"/>	✓			
D12H		<input type="checkbox"/>	✓			
D19M		<input type="checkbox"/>	✓			
D19H		<input type="checkbox"/>	✓			
D20M		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
Modified: 7/23/2019 11:22:30 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

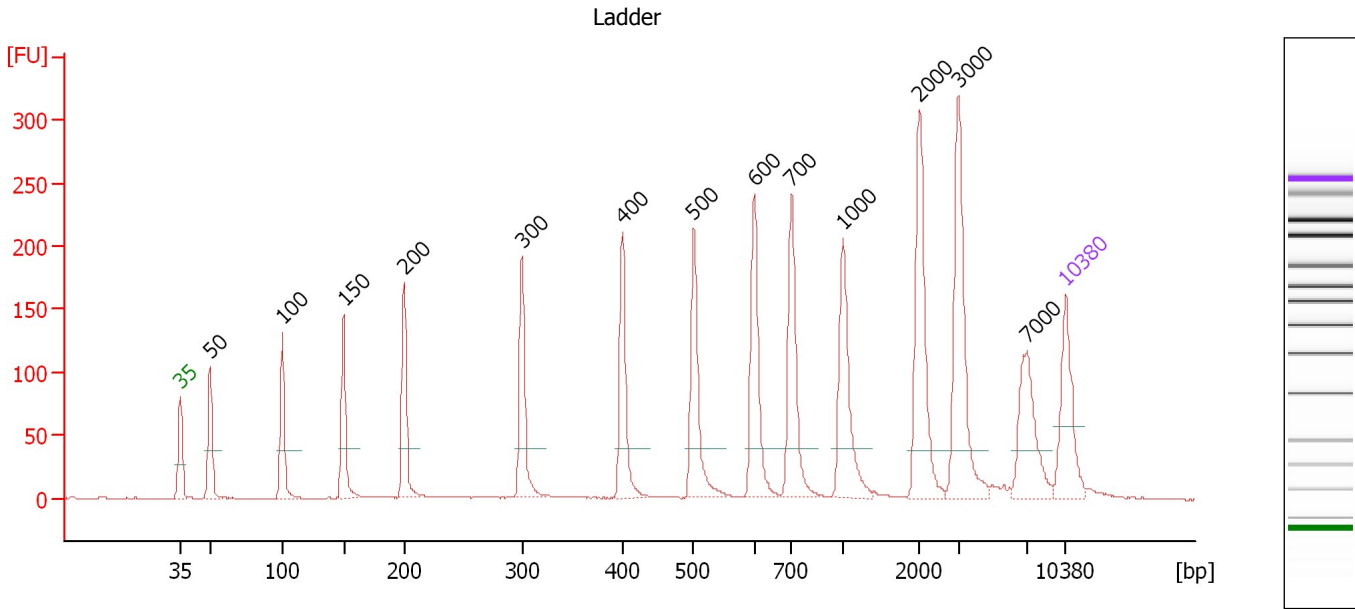
Ladder

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:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

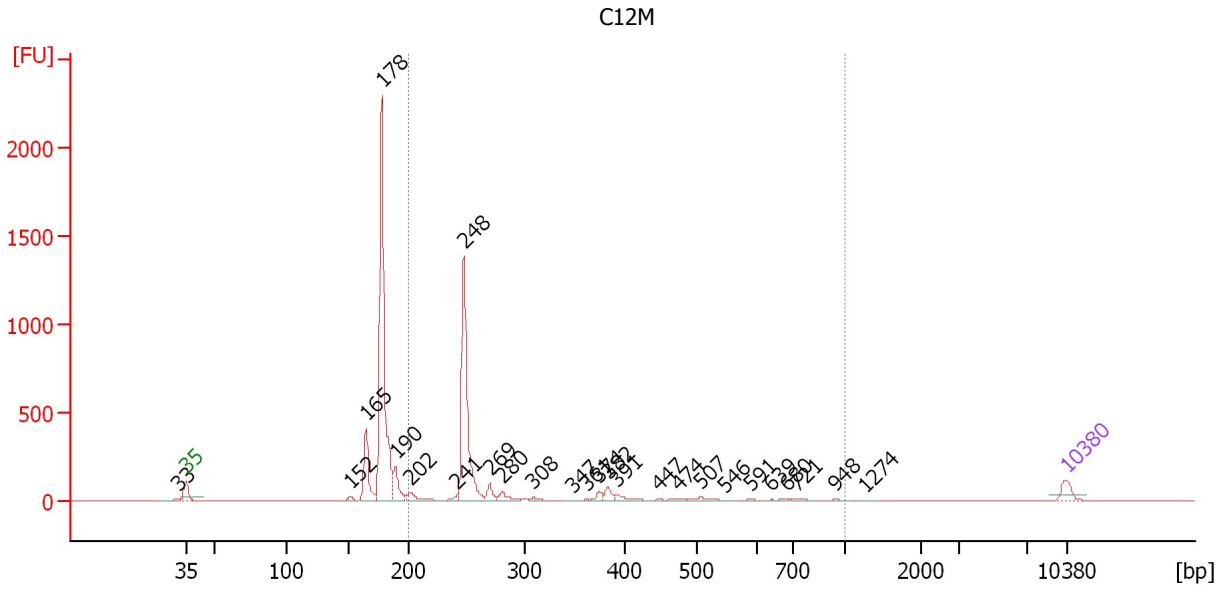
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	51.05
4	150	150.00	1,515.2	Ladder Peak	55.91
5	200	150.00	1,136.4	Ladder Peak	60.68
6	300	150.00	757.6	Ladder Peak	70.02
7	400	150.00	568.2	Ladder Peak	77.98
8	500	150.00	454.5	Ladder Peak	83.60
9	600	150.00	378.8	Ladder Peak	88.36
10	700	150.00	324.7	Ladder Peak	91.32
11	1,000	150.00	227.3	Ladder Peak	95.37
12	2,000	150.00	113.6	Ladder Peak	101.47
13	3,000	150.00	75.8	Ladder Peak	104.52
14	7,000	150.00	32.5	Ladder Peak	109.95
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : C12M

Number of peaks found: 26 Corr. Area 1: 1,756.3
 Noise: 0.3

Peak table for sample 1 : C12M

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.37
2	35	125.00	5,411.3	Lower Marker	43.00
3	152	27.40	273.3		56.10
4	165	429.83	3,955.2		57.31
5	178	2,379.18	20,264.1		58.57
6	190	213.01	1,702.2		59.69
7	202	103.36	775.8		60.85
8	241	31.82	200.2		64.49
9	248	1,384.03	8,470.7		65.12
10	269	96.03	540.2		67.16
11	280	71.07	384.9		68.13
12	308	25.43	125.1		70.65
13	347	8.24	36.0		73.76
14	361	5.34	22.4		74.87
15	374	40.01	162.2		75.89
16	382	66.51	263.6		76.57
17	391	52.48	203.1		77.30
18	447	7.85	26.6		80.60
19	474	16.00	51.1		82.15
20	507	35.87	107.2		83.94
21	546	6.33	17.6		85.79
22	591	6.82	17.5		87.92
23	639	6.01	14.3		89.52
24	680	7.68	17.1		90.73
25	721	17.55	36.9		91.61

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : C12M

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	948	7.89	12.6		94.66
27	1,274	4.53	5.4		97.04
28	10,380	75.00	10.9	Upper Marker	113.00

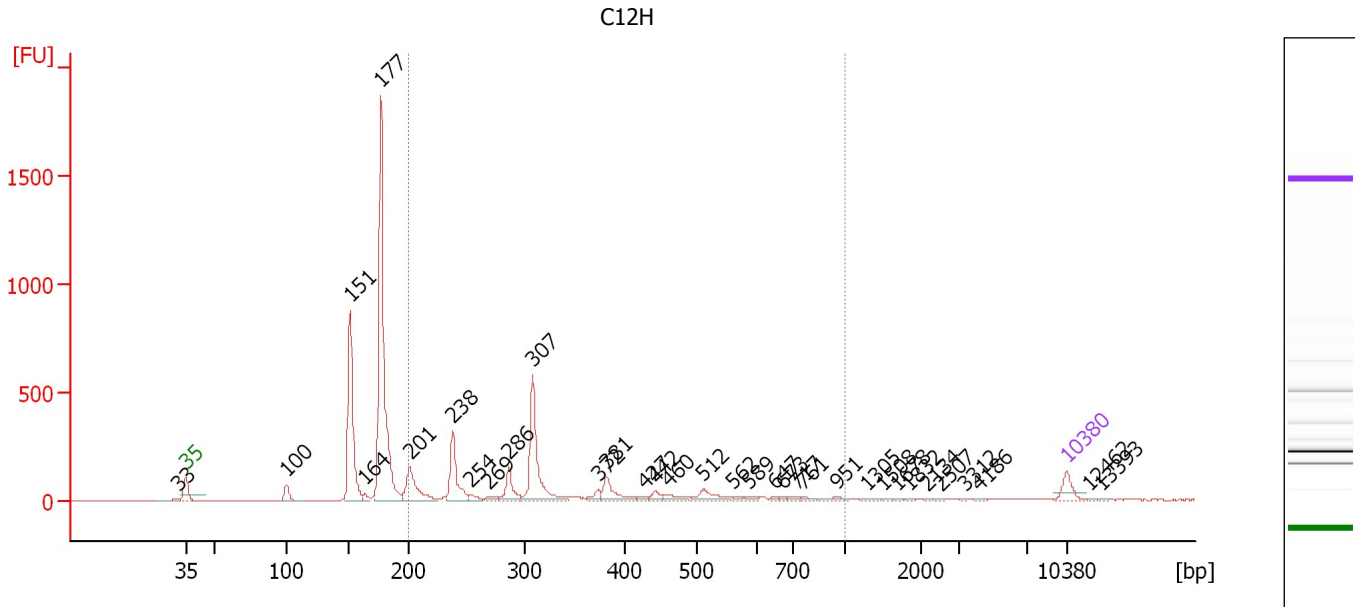
Region table for sample 1 : C12M

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	302	2,019.89	1,756.3	11,385.2	42	39.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C12H

Number of peaks found: 34 Corr. Area 1: 1,904.5
 Noise: 0.4

Peak table for sample 2 : C12H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.36
2	35	125.00	5,411.3	Lower Marker	43.00
3	100	102.29	1,556.0		51.01
4	151	973.96	9,744.3		56.05
5	164	38.64	357.2		57.24
6	177	2,039.52	17,421.6		58.52
7	201	328.85	2,475.7		60.80
8	238	350.54	2,233.7		64.21
9	254	39.82	237.9		65.69
10	269	35.75	201.4		67.12
11	286	173.23	917.9		68.71
12	307	599.73	2,958.8		70.58
13	372	46.67	189.9		75.78
14	381	150.34	597.8		76.47
15	427	18.01	63.9		79.48
16	442	45.94	157.6		80.32
17	460	54.38	179.1		81.36
18	512	102.29	302.6		84.18
19	562	14.08	38.0		86.55
20	589	19.07	49.1		87.84
21	647	9.63	22.5		89.77
22	673	10.54	23.8		90.51
23	717	18.85	39.9		91.55
24	761	16.55	33.0		92.14
25	951	26.28	41.9		94.71

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : C12H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,305	13.70	15.9		97.23
27	1,508	5.06	5.1		98.47
28	1,678	4.06	3.7		99.50
29	1,832	3.81	3.1		100.44
30	2,134	2.54	1.8		101.88
31	2,507	3.66	2.2		103.01
32	3,312	2.23	1.0		104.94
33	4,186	3.52	1.3		106.13
34	10,380	75.00	10.9	Upper Marker	113.00
35	12,462	0.00	0.0		114.88
36	13,393	0.00	0.0		115.72

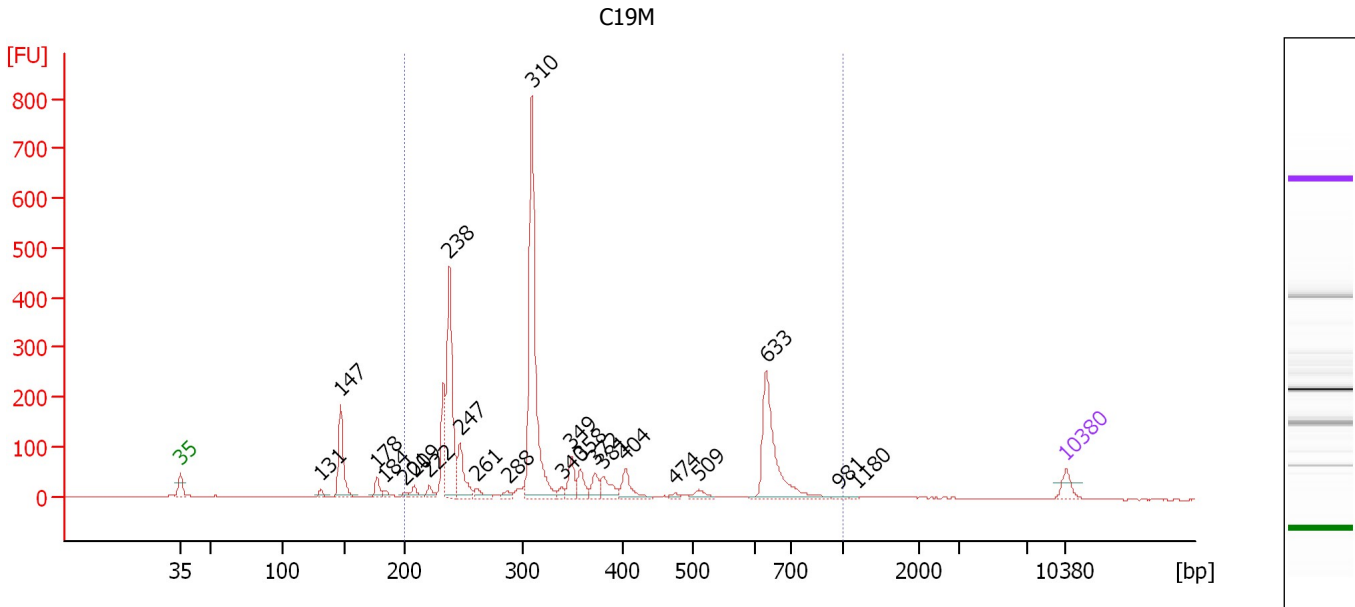
Region table for sample 2 : C12H

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	359	2,059.92	1,904.5	10,261.6	42	41.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C19M

Number of peaks found: 23 Corr. Area 1: 2,101.1
 Noise: 0.6

Peak table for sample 3 : C19M

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	131	46.44	535.5		54.11
3	147	455.10	4,677.2		55.66
4	178	93.61	797.0		58.58
5	184	35.67	293.3		59.18
6	201	25.51	192.1		60.79
7	209	61.88	449.2		61.49
8	222	63.96	437.3		62.70
9	238	1,017.38	6,468.5		64.26
10	247	281.92	1,726.2		65.11
11	261	62.68	363.2		66.42
12	288	37.22	195.9		68.88
13	310	1,673.66	8,188.5		70.79
14	340	44.27	197.3		73.20
15	349	143.92	625.1		73.90
16	358	116.48	492.5		74.66
17	372	95.59	389.1		75.76
18	381	135.05	537.0		76.47
19	404	151.23	567.8		78.18
20	474	21.83	69.8		82.15
21	509	53.25	158.7		84.01
22	633	689.06	1,650.0		89.33
23	981	15.30	23.6		95.11
24	1,180	8.28	10.6		96.47
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...

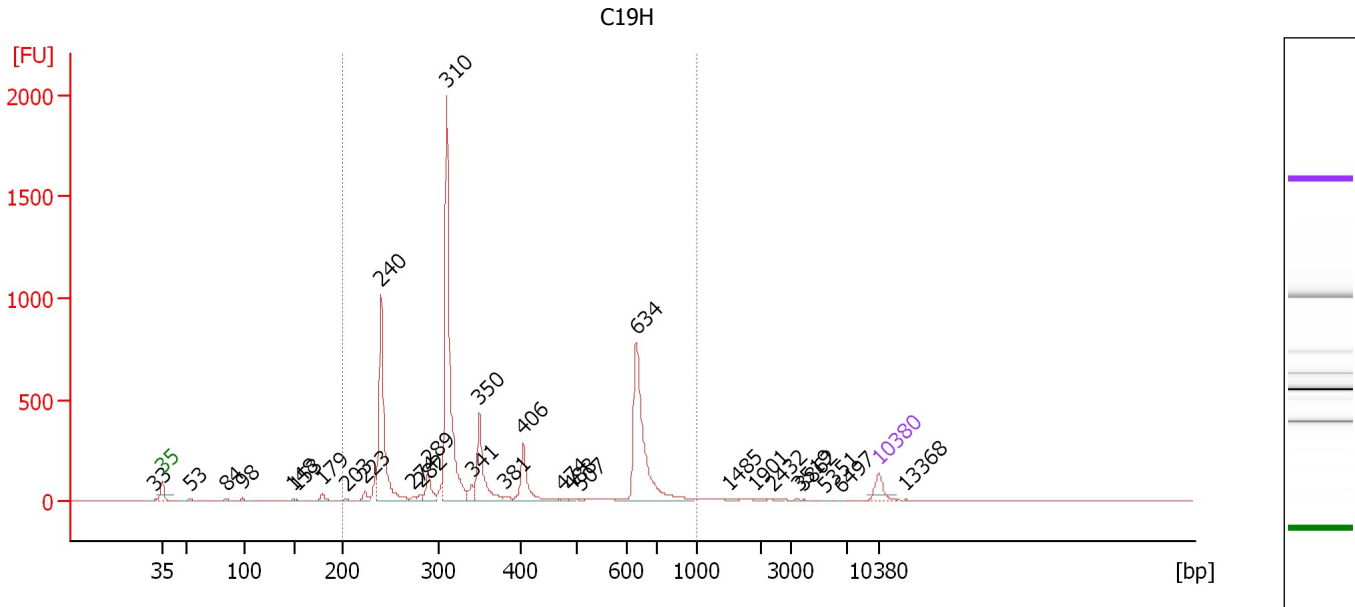
... Region table for sample 3 : C19M

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	377	5,078.37	2,101.1	24,707.0	 88	42.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : C19H

Number of peaks found: 30 Corr. Area 1: 4,866.2
 Noise: 0.6

Peak table for sample 4 : C19H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.33
2	35	125.00	5,411.3	Lower Marker	43.00
3	53	24.98	711.9		45.70
4	84	18.47	333.2		49.22
5	98	23.59	364.6		50.83
6	148	8.82	90.0		55.76
7	153	6.82	67.4		56.22
8	179	42.68	361.6		58.66
9	203	13.47	100.7		60.94
10	223	47.19	320.9		62.81
11	240	999.93	6,312.6		64.41
12	274	17.15	94.9		67.58
13	282	24.72	133.0		68.30
14	289	135.62	710.0		69.03
15	310	1,619.16	7,904.0		70.84
16	341	57.50	255.5		73.28
17	350	390.99	1,692.0		74.01
18	381	22.86	90.8		76.50
19	406	252.60	942.8		78.31
20	474	8.08	25.8		82.15
21	488	6.60	20.5		82.93
22	507	6.72	20.1		83.91
23	634	831.30	1,988.1		89.36
24	1,485	12.08	12.3		98.33
25	1,901	7.92	6.3		100.87

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...

... Peak table for sample 4 : C19H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,432	5.78	3.6		102.79
27	3,519	3.45	1.5		105.22
28	3,862	3.89	1.5		105.69
29	5,351	2.31	0.7		107.71
30	6,497	2.28	0.5		109.27
31	10,380	75.00	10.9	Upper Marker	113.00
32	13,368	0.00	0.0		115.70

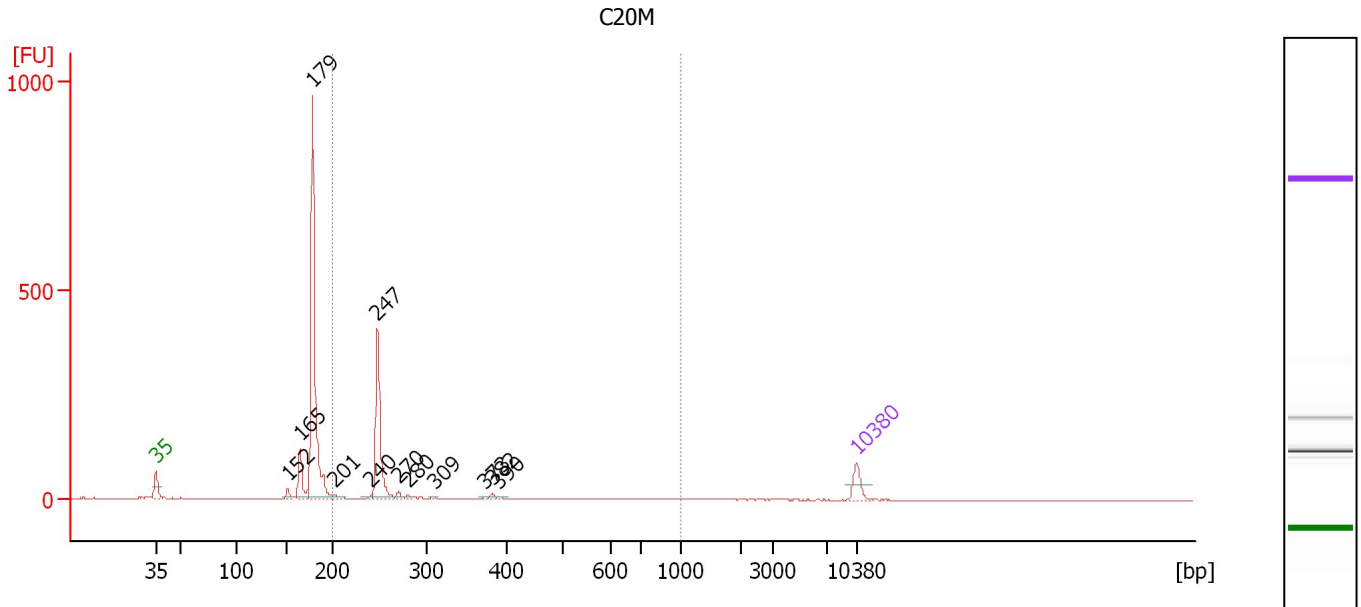
Region table for sample 4 : C19H

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	402	4,552.03	4,866.2	20,894.3	94	41.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : C20M

Number of peaks found: 12 Corr. Area 1: 422.6
 Noise: 0.3

Peak table for sample 5 : C20M

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	152	37.43	372.1		56.14
3	165	193.58	1,775.7		57.36
4	179	1,644.05	13,953.1		58.63
5	201	25.80	194.1		60.80
6	240	12.01	75.6		64.46
7	247	607.32	3,720.8		65.10
8	270	25.95	145.6		67.22
9	280	14.62	79.1		68.17
10	309	8.03	39.4		70.71
11	373	7.33	29.8		75.85
12	382	17.47	69.3		76.54
13	390	8.50	33.0		77.18
14	10,380	75.00	10.9	Upper Marker	113.00

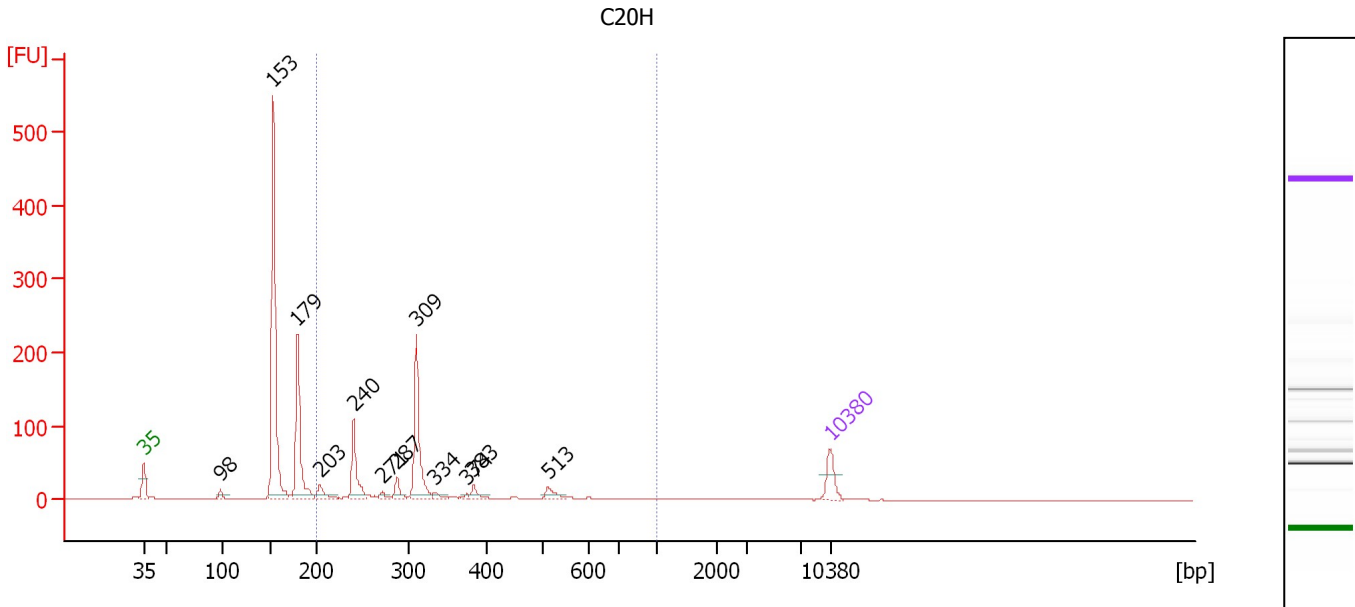
Region table for sample 5 : C20M

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	285	767.85	422.6	4,458.3	31	38.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : C20H

Number of peaks found: 12 Corr. Area 1: 481.8
 Noise: 0.2

Peak table for sample 6 : C20H

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	98	30.61	475.4		50.77
3	153	1,152.37	11,406.3		56.21
4	179	492.82	4,177.7		58.65
5	203	68.50	511.9		60.93
6	240	220.21	1,390.3		64.41
7	271	21.82	122.1		67.29
8	287	56.82	299.9		68.82
9	309	398.13	1,949.2		70.77
10	334	23.24	105.4		72.73
11	374	12.16	49.2		75.93
12	383	38.89	154.0		76.59
13	513	43.44	128.4		84.20
14	10,380	75.00	10.9	Upper Marker	113.00

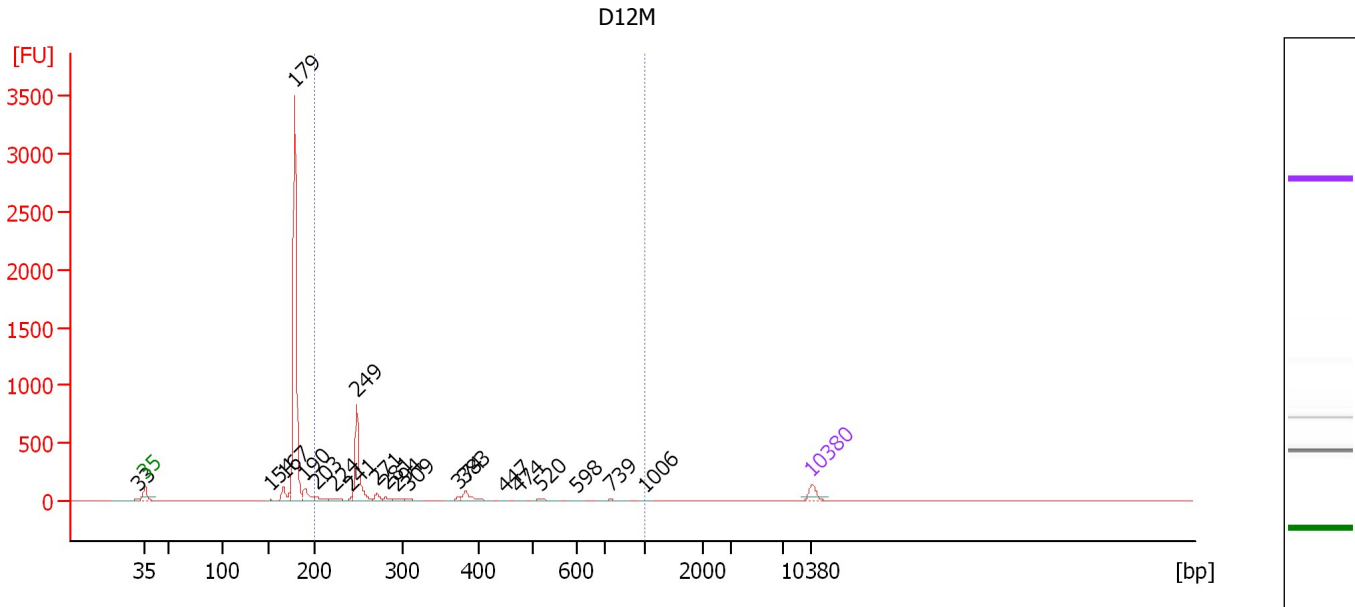
Region table for sample 6 : C20H

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	338	1,021.55	481.8	5,158.3	40	36.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : D12M

Number of peaks found: 21 Corr. Area 1: 1,233.7
 Noise: 0.3

Peak table for sample 7 : D12M

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.33
2	35	125.00	5,411.3	Lower Marker	43.00
3	154	9.44	93.1		56.25
4	167	135.90	1,232.9		57.53
5	179	2,994.55	25,307.8		58.70
6	190	145.88	1,161.0		59.76
7	203	55.63	415.8		60.93
8	224	36.62	248.2		62.88
9	241	15.38	96.5		64.55
10	249	716.14	4,364.3		65.22
11	271	58.82	328.5		67.34
12	281	34.12	183.7		68.28
13	294	21.80	112.4		69.45
14	309	18.30	89.7		70.73
15	374	29.29	118.6		75.91
16	383	103.92	410.9		76.64
17	447	5.59	18.9		80.65
18	474	8.60	27.5		82.15
19	520	23.25	67.8		84.54
20	598	7.97	20.2		88.27
21	739	16.59	34.0		91.84
22	1,006	4.52	6.8		95.40
23	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
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Electropherogram Summary Continued ...

... Region table for sample 7 :

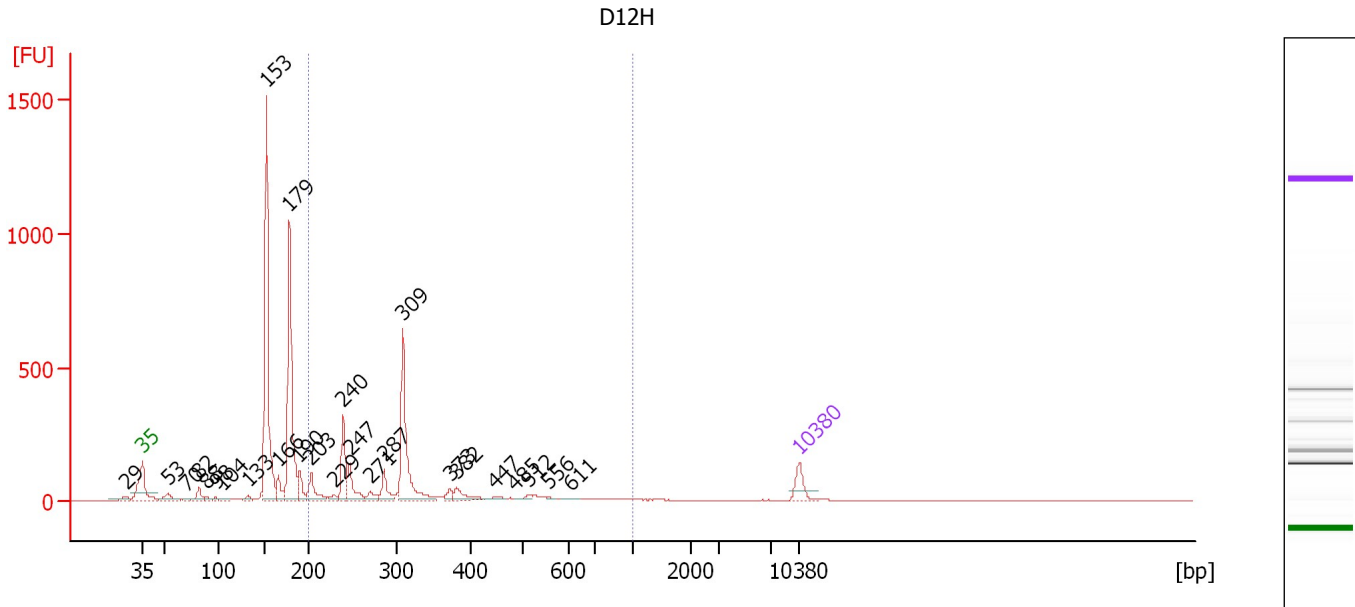
D12M

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	320	1,258.47	1,233.7	6,871.9	 29	41.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : D12H

Number of peaks found: 26 Corr. Area 1: 1,732.5
 Noise: 0.4

Peak table for sample 8 : D12H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	29	0.00	0.0		41.19
2	35	125.00	5,411.3	Lower Marker	43.00
3	53	82.16	2,356.9		45.66
4	70	17.42	376.4		47.64
5	82	72.18	1,325.9		49.05
6	88	25.80	442.1		49.73
7	98	17.12	265.3		50.80
8	104	14.35	208.2		51.48
9	133	21.62	246.5		54.25
10	153	1,406.61	13,899.5		56.23
11	166	115.35	1,050.4		57.47
12	179	979.51	8,298.4		58.66
13	190	99.17	790.3		59.74
14	203	145.24	1,082.8		60.98
15	229	29.66	196.0		63.41
16	240	233.14	1,470.8		64.43
17	247	149.26	914.0		65.11
18	271	45.62	255.0		67.31
19	287	103.26	545.5		68.78
20	309	587.60	2,878.0		70.76
21	373	30.42	123.7		75.79
22	382	73.21	290.5		76.53
23	447	14.25	48.4		80.60
24	485	5.16	16.1		82.75
25	512	15.20	45.0		84.16

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...

... Peak table for sample 8 : D12H

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	556	5.31	14.5		86.26
27	611	8.22	20.4		88.69
28	10,380	75.00	10.9	Upper Marker	113.00

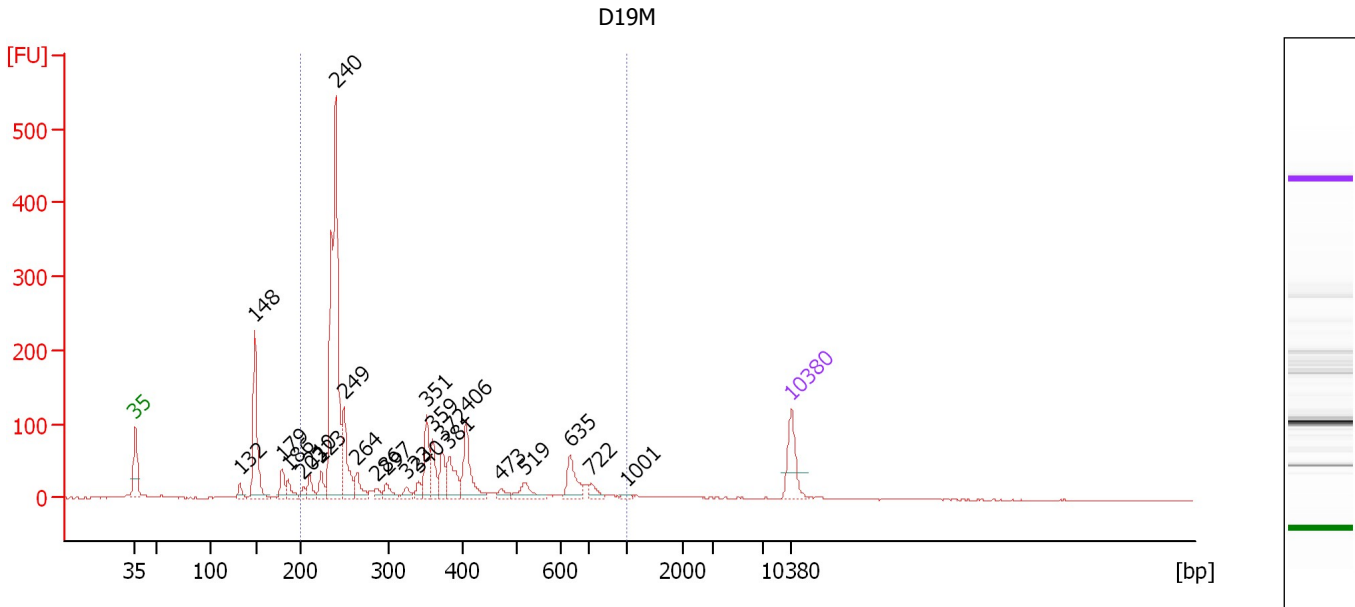
Region table for sample 8 : D12H

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	336	1,679.53	1,732.5	8,563.3	39	37.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : D19M

Number of peaks found: 24 Corr. Area 1: 1,652.1
 Noise: 0.5

Peak table for sample 9 : D19M

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	132	25.11	288.6		54.15
3	148	285.79	2,922.0		55.74
4	179	46.95	397.0		58.69
5	186	34.53	281.6		59.32
6	203	16.63	124.4		60.91
7	210	38.61	278.8		61.59
8	223	43.12	292.7		62.85
9	240	835.60	5,283.1		64.38
10	249	153.78	936.6		65.23
11	264	47.11	270.4		66.66
12	286	15.97	84.6		68.70
13	297	30.16	153.6		69.78
14	323	19.49	91.3		71.89
15	340	20.55	91.6		73.19
16	351	94.84	409.0		74.10
17	359	63.05	266.0		74.73
18	372	57.75	235.2		75.75
19	381	82.48	327.7		76.49
20	406	119.27	445.1		78.31
21	473	16.32	52.3		82.07
22	519	42.49	124.0		84.51
23	635	65.64	156.6		89.40
24	722	22.22	46.6		91.62
25	1,001	5.92	9.0		95.37

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : D19M

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

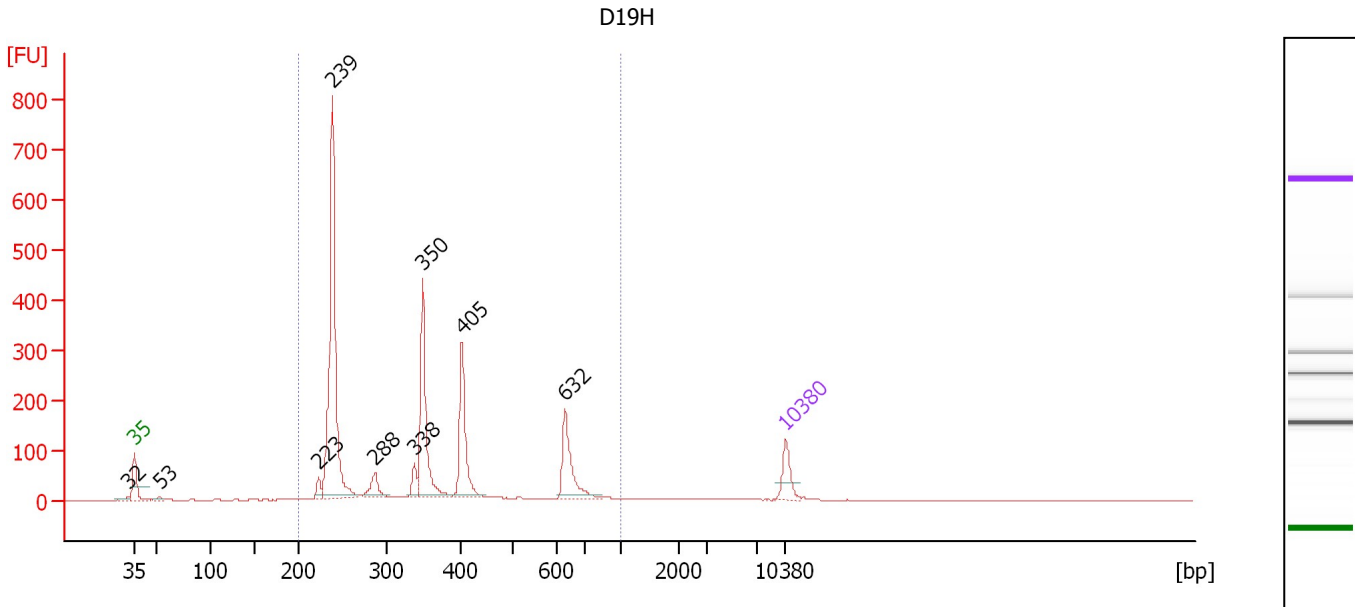
Region table for sample 9 : D19M

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	342	1,874.96	1,652.1	9,938.2	79	42.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : D19H

Number of peaks found: 9 Corr. Area 1: 2,180.2
 Noise: 0.4

Peak table for sample 10 : D19H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.25
2	35	125.00	5,411.3	Lower Marker	43.00
3	53	17.36	494.8		45.70
4	223	42.94	292.2		62.80
5	239	1,100.66	6,988.4		64.29
6	288	84.41	444.4		68.88
7	338	56.04	251.0		73.07
8	350	440.45	1,907.6		73.98
9	405	299.39	1,121.4		78.23
10	632	207.20	496.9		89.30
11	10,380	75.00	10.9	Upper Marker	113.00

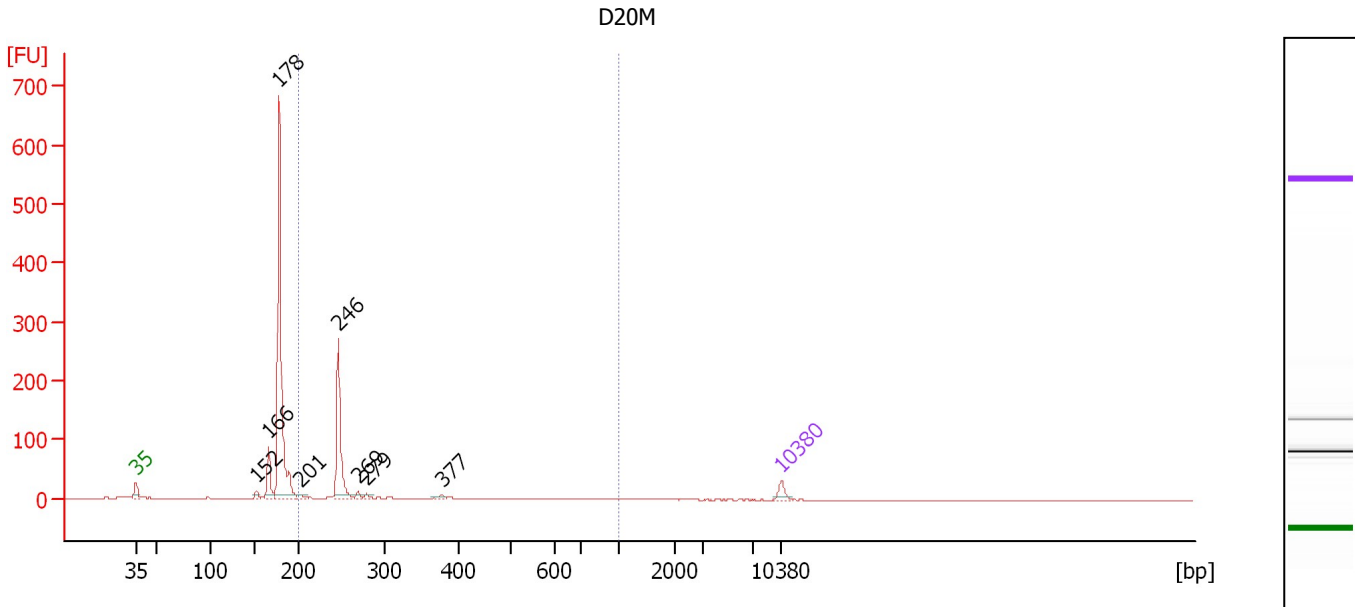
Region table for sample 10 : D19H

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	363	2,497.81	2,180.2	12,535.1	94	40.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

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 Modified: 7/23/2019 11:22:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : D20M

Number of peaks found: 8 Corr. Area 1: 262.9
 Noise: 0.3

Peak table for sample 11 : D20M

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	152	62.26	622.4		56.06
3	166	381.86	3,495.4		57.39
4	178	3,218.13	27,446.2		58.55
5	201	46.09	347.9		60.75
6	246	1,104.02	6,802.7		64.97
7	269	48.49	273.4		67.10
8	279	36.31	197.4		68.03
9	377	35.11	141.0		76.18
10	10,380	75.00	10.9	Upper Marker	113.00

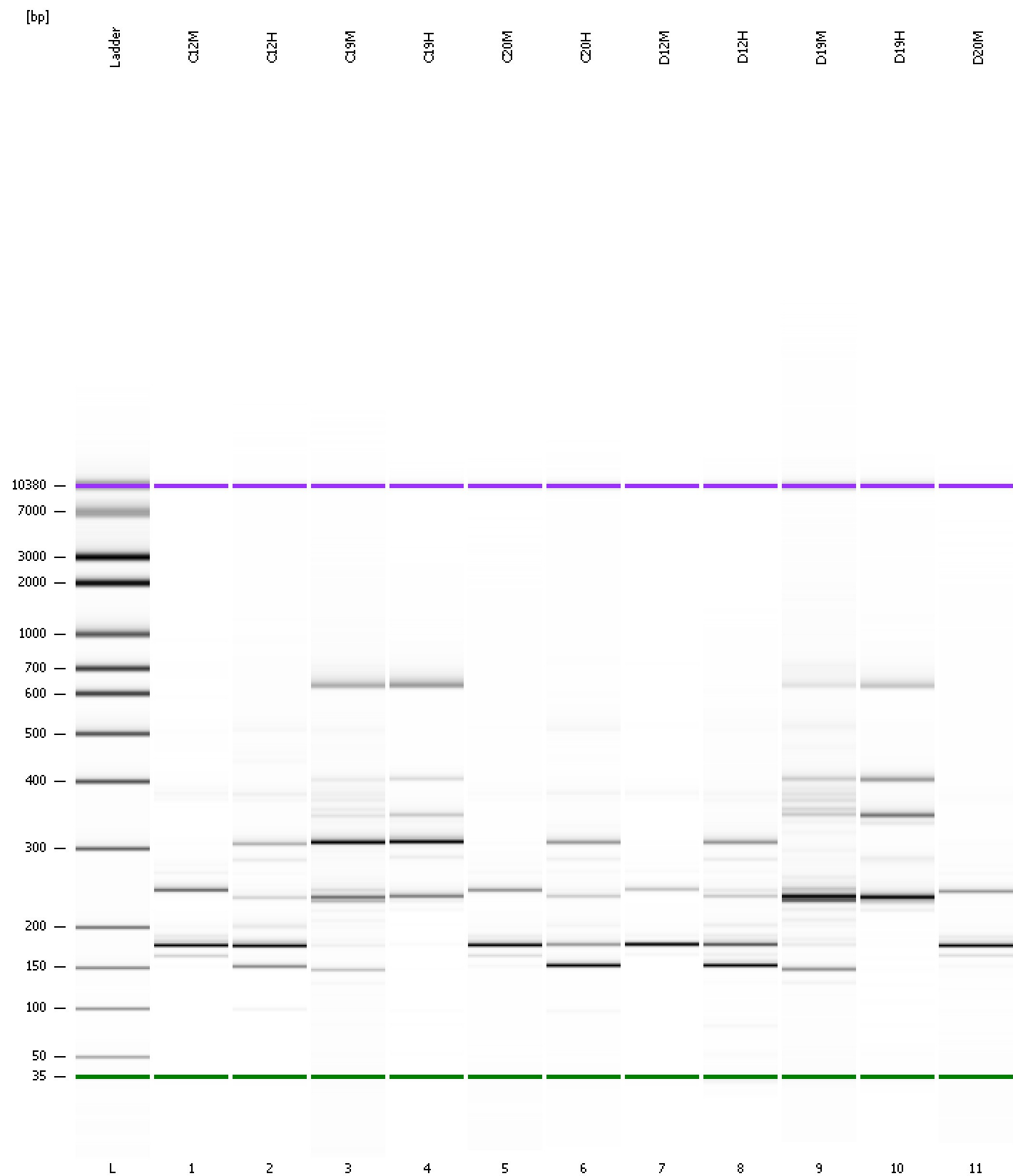
Region table for sample 11 : D20M

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	271	1,425.56	262.9	8,426.0	29	31.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
Modified: 7/23/2019 11:22:30 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad

Created: 7/23/2019 10:43:07 AM
 Modified: 7/23/2019 11:22:30 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		7/23/2019 11:22:30 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-07-23\2019-07-23_001.xad)		Instrument	Run		7/23/2019 10:43:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		7/23/2019 10:43:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/23/2019 10:43:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/23/2019 10:43:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		7/23/2019 10:43:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/23/2019 10:43:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/23/2019 10:43:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1