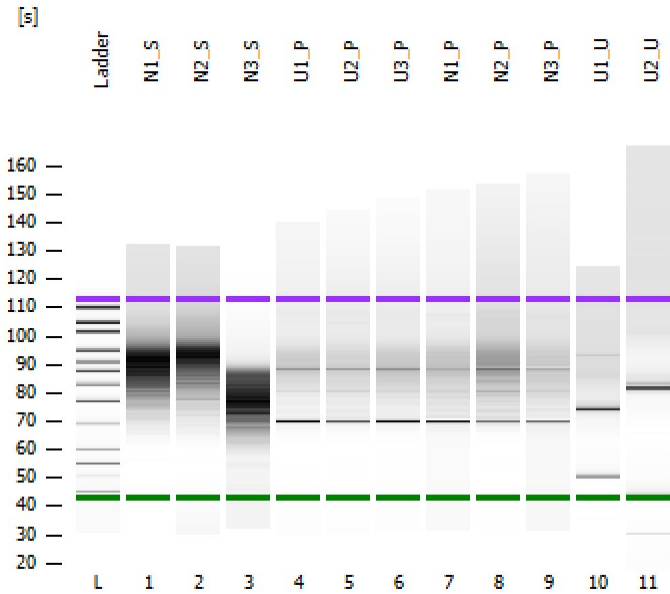


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
Modified: 4/18/2023 10:13:17 AM

Electrophoresis File Run Summary



Instrument Information:

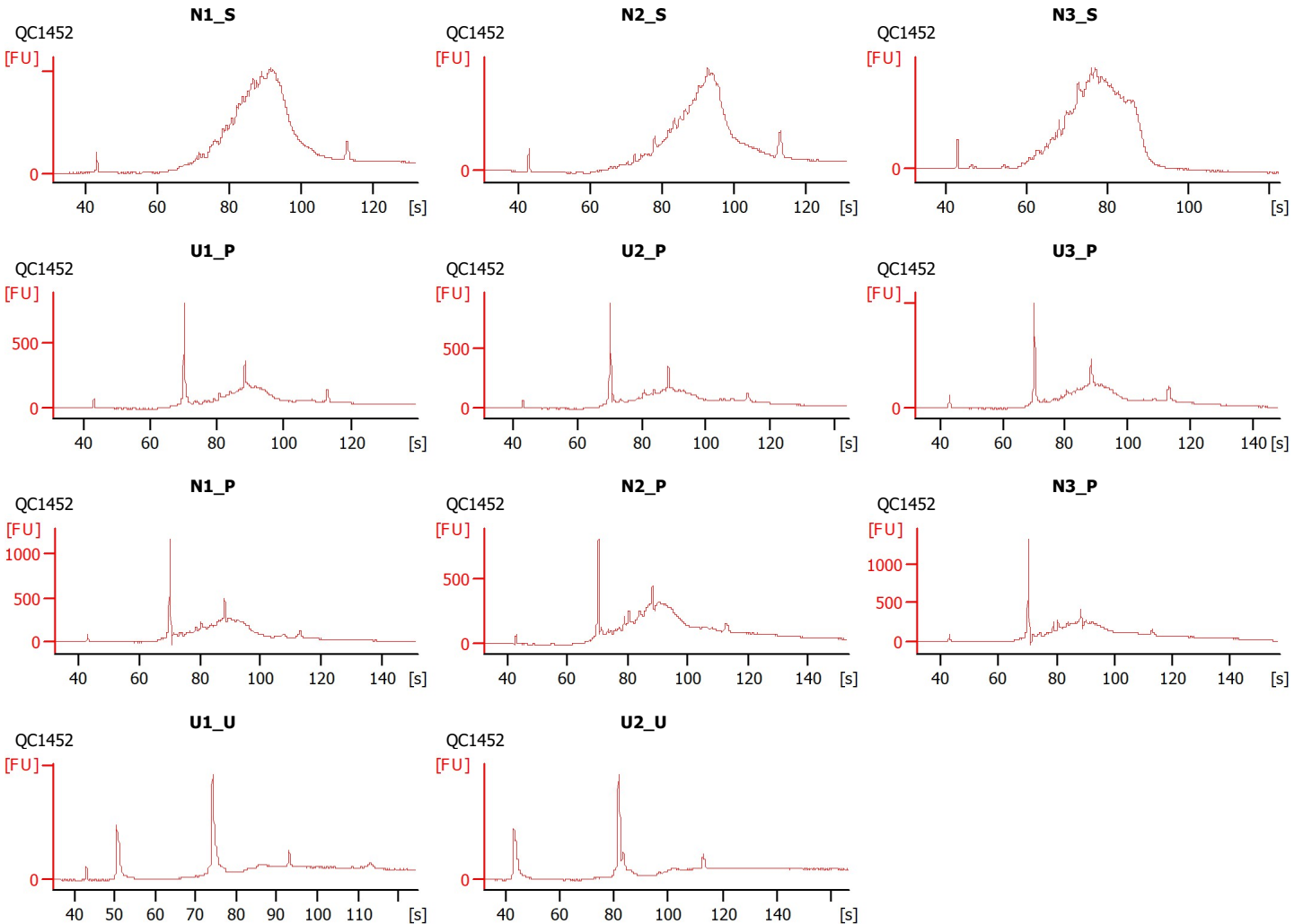
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
N1_S	QC1452	<input type="checkbox"/>	✓			
N2_S	QC1452	<input type="checkbox"/>	✓			
N3_S	QC1452	<input type="checkbox"/>	✓			
U1_P	QC1452	<input type="checkbox"/>	✓			
U2_P	QC1452	<input type="checkbox"/>	✓			
U3_P	QC1452	<input type="checkbox"/>	✓			
N1_P	QC1452	<input type="checkbox"/>	✓			
N2_P	QC1452	<input type="checkbox"/>	✓			
N3_P	QC1452	<input type="checkbox"/>	✓			
U1_U	QC1452	<input type="checkbox"/>	✓			
U2_U	QC1452	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 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

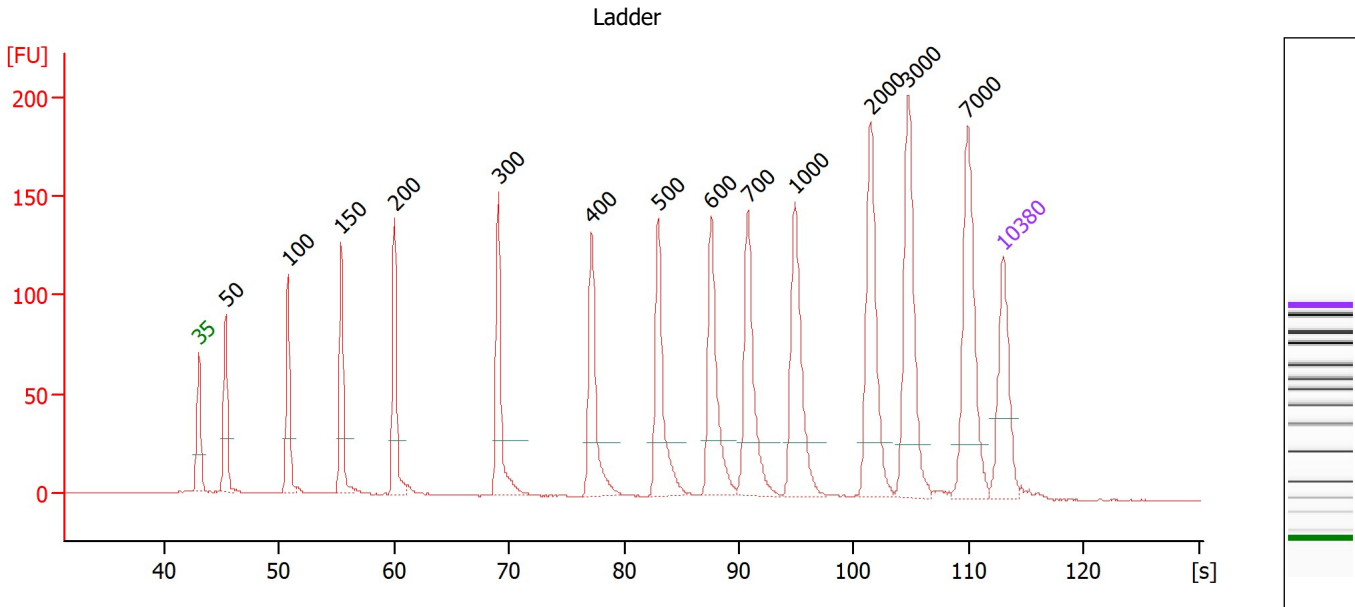
Ladder

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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

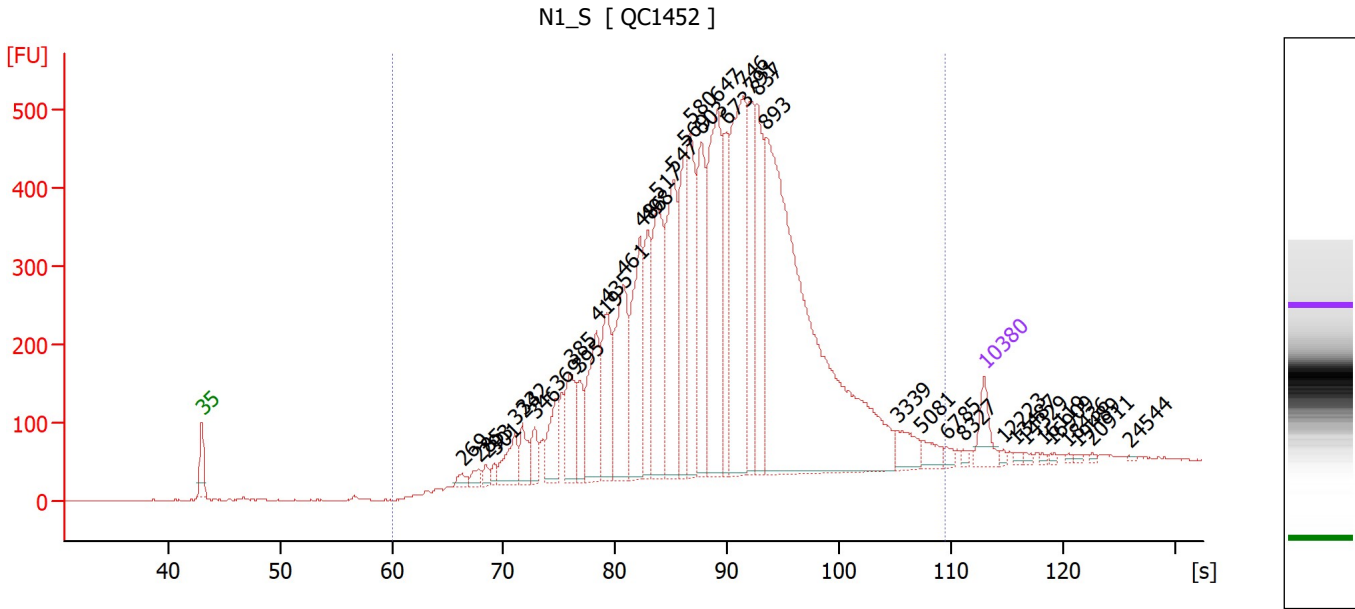
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : N1_S

Number of peaks found: 39 Corr. Area 1: 9,697.2
 Noise: 0.6

Peak table for sample 1 : N1_S

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	269	28.40	160.1	
3	285	34.58	183.7	
4	293	26.87	139.1	
5	301	24.90	125.4	
6	324	126.06	589.9	
7	332	90.76	414.1	
8	346	75.81	332.3	
9	369	145.31	597.2	
10	385	185.51	729.6	
11	395	115.86	444.8	
12	419	284.13	1,027.2	
13	435	257.01	895.5	
14	461	405.61	1,334.4	
15	486	390.58	1,217.0	
16	498	260.56	793.0	
17	517	452.72	1,326.6	
18	547	464.97	1,287.5	
19	569	298.64	795.3	
20	580	395.90	1,033.5	
21	603	376.40	945.4	
22	647	618.72	1,448.7	
23	673	277.65	625.3	
24	746	732.67	1,489.0	
25	791	308.69	591.2	
26	837	348.00	630.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : N1 S

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	893	1,908.19	3,238.4	
28	3,339	71.90	32.6	
29	5,081	42.93	12.8	
30	6,785	16.79	3.8	
31	8,327	10.94	2.0	
32	10,380	75.00	10.9	Upper Marker
33	12,223	0.00	0.0	
34	13,487	0.00	0.0	
35	14,329	0.00	0.0	
36	16,119	0.00	0.0	
37	16,909	0.00	0.0	
38	18,436	0.00	0.0	
39	19,489	0.00	0.0	
40	20,911	0.00	0.0	
41	24,544	0.00	0.0	

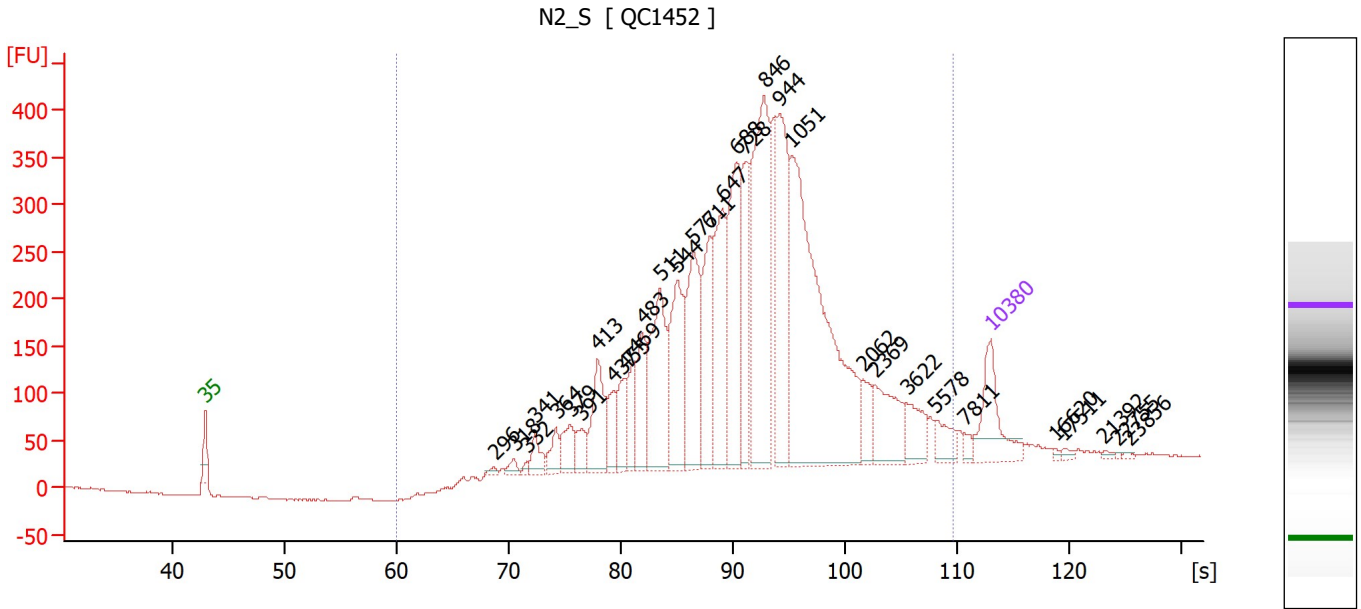
Region table for sample 1 : N1 S

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.06	109.47	9,697.2	98	866	84.8	8,729.42	21,836.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : N2_S

Number of peaks found: 32 Corr. Area 1: 6,447.2
 Noise: 0.8

Peak table for sample 2 : N2_S

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	296	6.62	33.8	
3	318	12.24	58.4	
4	332	5.86	26.7	
5	341	31.85	141.7	
6	364	30.95	129.0	
7	379	45.38	181.2	
8	391	31.39	121.8	
9	413	95.46	350.0	
10	437	45.33	157.1	
11	455	53.49	178.3	
12	469	57.92	187.0	
13	483	87.46	274.6	
14	511	188.71	559.1	
15	544	166.11	462.2	
16	577	167.51	440.2	
17	611	127.72	316.7	
18	647	180.54	422.7	
19	688	217.42	478.9	
20	728	134.94	281.0	
21	846	335.39	600.5	
22	944	215.11	345.3	
23	1,051	535.74	772.4	
24	2,062	33.87	24.9	
25	2,369	80.04	51.2	
26	3,622	46.16	19.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : N2_S

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	5,578	28.74	7.8	
28	7,811	9.15	1.8	
29	10,380	75.00	10.9	Upper Marker
30	16,620	0.00	0.0	
31	17,511	0.00	0.0	
32	21,392	0.00	0.0	
33	22,755	0.00	0.0	
34	23,856	0.00	0.0	

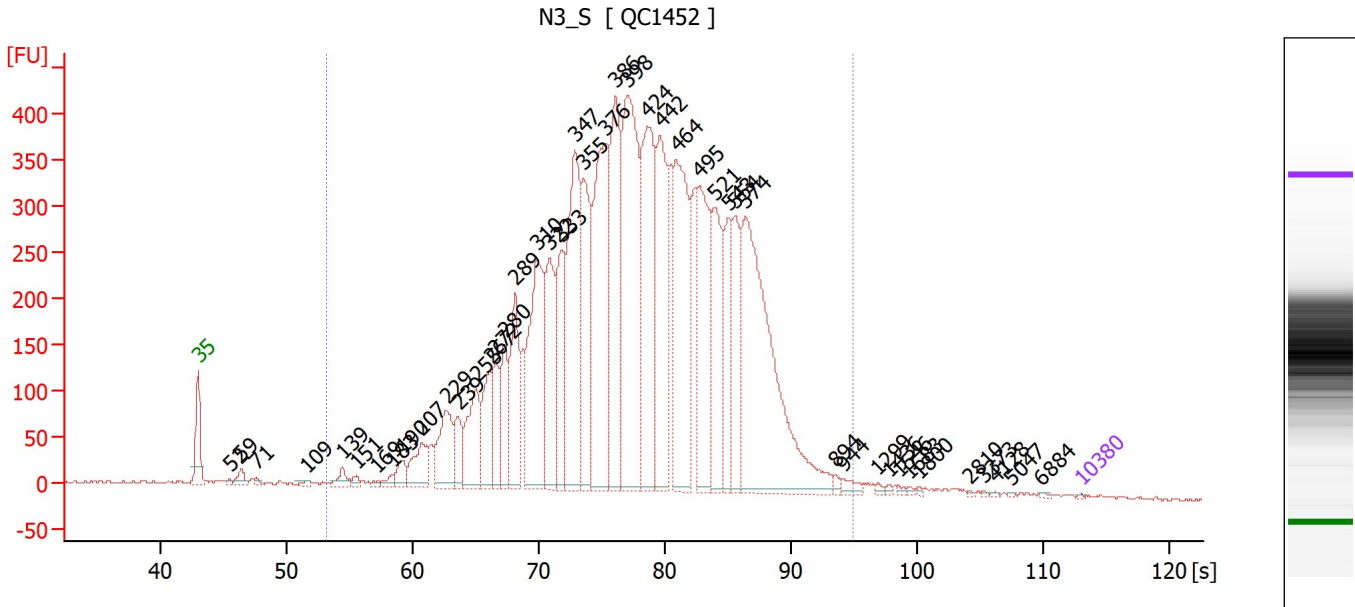
Region table for sample 2 : N2_S

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
60.06	109.71	6,447.2	98	1,070	89.0	3,068.38	6,660.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : N3_S

Number of peaks found: 45 Corr. Area 1: 10,314.9
 Noise: 1.7

Peak table for sample 3 : N3_S

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	52	371.28	10,900.6	
3	59	1,627.50	41,473.8	
4	71	487.65	10,430.0	
5	109	662.63	9,213.0	
6	139	1,906.71	20,712.1	
7	151	812.78	8,162.5	
8	169	494.30	4,424.6	
9	183	1,022.54	8,484.3	
10	190	2,462.76	19,595.4	
11	207	6,038.44	44,163.9	
12	229	9,605.82	63,592.4	
13	239	4,974.71	31,504.7	
14	255	10,674.99	63,356.1	
15	267	8,155.65	46,266.0	
16	272	7,386.78	41,105.6	
17	280	7,394.39	40,037.8	
18	289	13,252.57	69,416.7	
19	310	25,118.25	122,946.9	
20	322	14,882.79	70,120.4	
21	333	12,831.95	58,368.1	
22	347	27,254.56	119,106.0	
23	355	18,494.74	78,918.4	
24	376	30,851.41	124,316.0	
25	386	24,445.88	95,967.0	
26	398	36,513.13	139,004.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
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Electropherogram Summary Continued ...

... Peak table for sample 3 : N3_S

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	424	27,894.45	99,595.8	
28	442	22,010.13	75,452.3	
29	464	25,951.18	84,738.5	
30	495	20,431.28	62,556.1	
31	521	15,004.45	43,622.2	
32	543	9,701.03	27,057.5	
33	554	11,514.46	31,475.9	
34	574	43,508.36	114,928.8	
35	894	521.40	883.3	
36	944	984.82	1,580.6	
37	1,299	303.80	354.3	
38	1,436	211.32	223.0	
39	1,546	290.59	284.7	
40	1,683	197.26	177.6	
41	1,800	172.87	145.5	
42	2,810	113.97	61.5	
43	3,373	117.52	52.8	
44	4,128	127.78	46.9	
45	5,047	121.74	36.5	
46	6,884	151.15	33.3	
47	▶ 10,380	75.00	10.9	Upper Marker

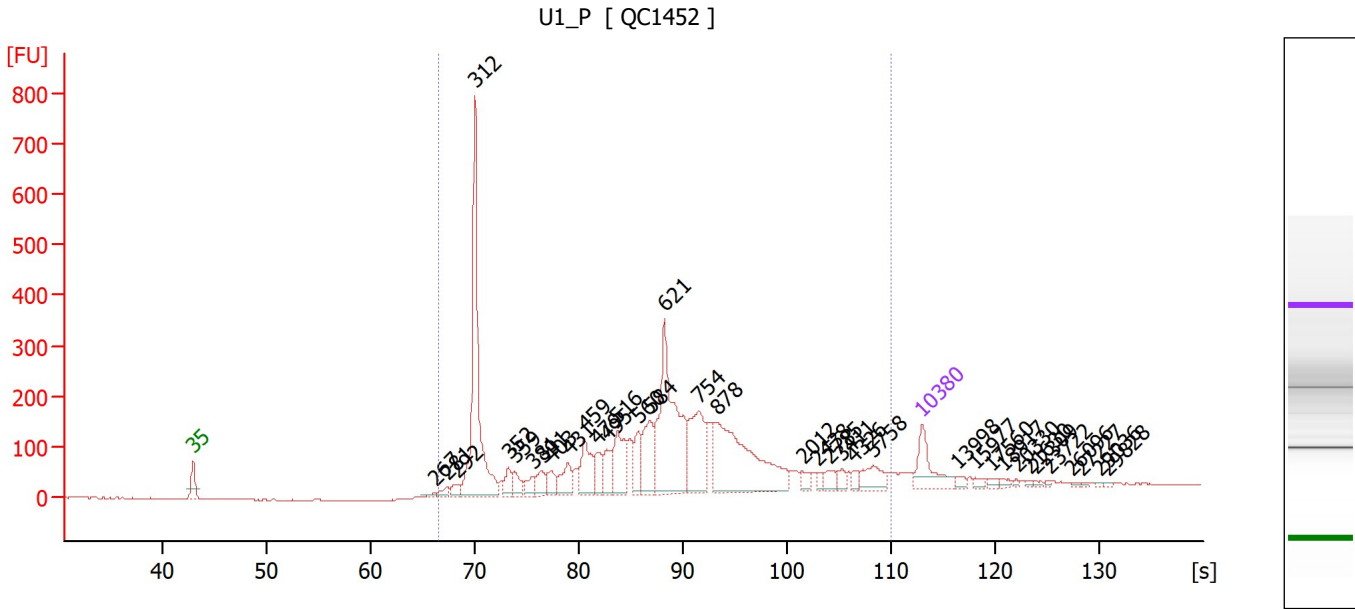
Region table for sample 3 : N3_S

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
53.15	94.92	10,314.9	98	424	27.3	462,688.09	1,865,266.4	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : U1_P

Number of peaks found: 37 Corr. Area 1: 3,800.5
 Noise: 1.2

Peak table for sample 4 : U1_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	267	8.54	48.4	
3	281	19.54	105.4	
4	292	24.49	126.9	
5	312	518.01	2,512.5	
6	352	34.19	147.3	
7	359	37.30	157.5	
8	381	30.53	121.4	
9	391	39.55	153.2	
10	403	36.24	136.4	
11	431	56.13	197.3	
12	459	96.36	318.3	
13	479	54.16	171.3	
14	495	56.49	172.8	
15	516	110.12	323.2	
16	560	61.46	166.4	
17	584	105.34	273.2	
18	621	392.41	957.5	
19	754	171.24	344.2	
20	878	358.27	618.3	
21	2,012	16.92	12.7	
22	2,438	10.89	6.8	
23	2,785	20.53	11.2	
24	3,411	16.78	7.5	
25	4,326	14.50	5.1	
26	5,758	46.73	12.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 4 : U1_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	13,998	0.00	0.0	
29	15,977	0.00	0.0	
30	17,560	0.00	0.0	
31	18,917	0.00	0.0	
32	20,330	0.00	0.0	
33	21,630	0.00	0.0	
34	22,309	0.00	0.0	
35	23,722	0.00	0.0	
36	26,096	0.00	0.0	
37	27,227	0.00	0.0	
38	29,036	0.00	0.0	
39	29,828	0.00	0.0	

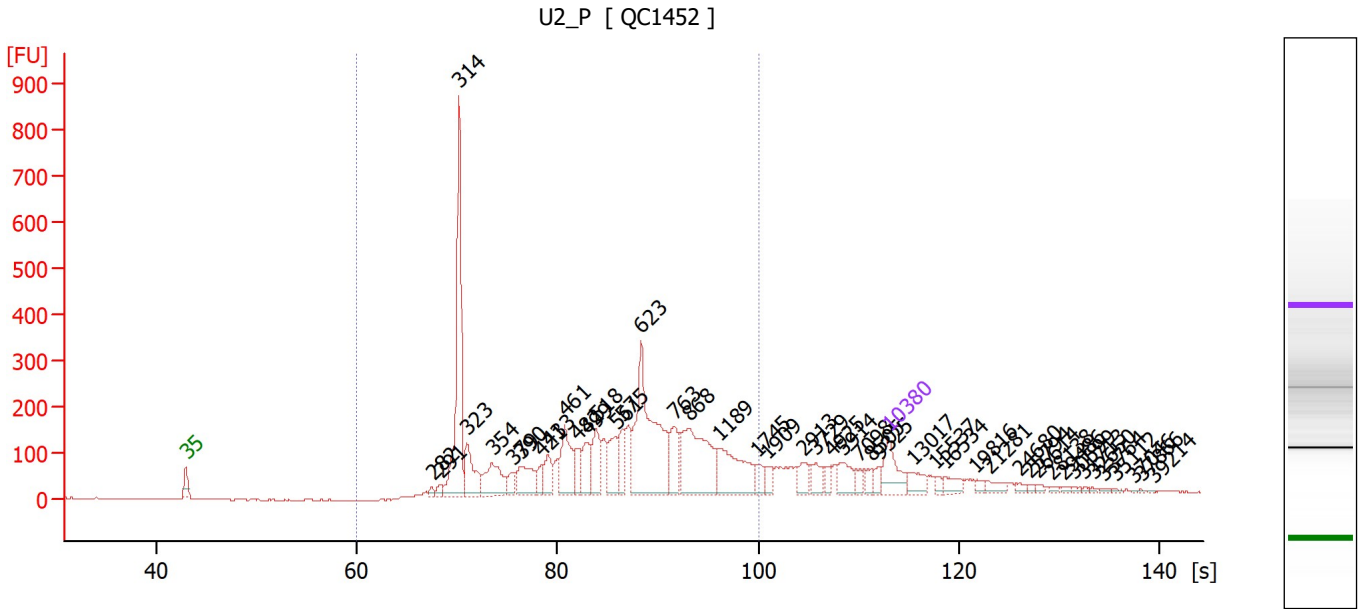
Region table for sample 4 : U1_P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
66.59	110.04	3,800.5	95	974	100.0	2,296.82	6,594.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : U2_P

Number of peaks found: 46 Corr. Area 1: 4,112.2
 Noise: 1.3

Peak table for sample 5 : U2_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	282	11.48	61.6	
3	291	17.50	91.0	
4	314	471.26	2,273.4	
5	323	118.02	553.1	
6	354	124.53	532.7	
7	379	35.15	140.7	
8	390	97.21	378.0	
9	421	36.93	133.0	
10	433	58.80	205.9	
11	461	133.51	438.6	
12	482	58.32	183.5	
13	499	80.23	243.6	
14	518	96.50	282.0	
15	561	90.88	245.3	
16	575	65.46	172.4	
17	623	434.55	1,057.3	
18	763	96.60	191.9	
19	868	267.66	467.2	
20	1,189	166.31	211.9	
21	1,745	32.74	28.4	
22	1,909	22.56	17.9	
23	2,913	34.89	18.1	
24	3,729	38.19	15.5	
25	4,925	18.90	5.8	
26	5,914	50.82	13.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : U2_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	7,098	20.21	4.3	
28	8,505	20.71	3.7	
29	9,325	16.43	2.7	
30	10,380	75.00	10.9	Upper Marker
31	13,017	0.00	0.0	
32	15,537	0.00	0.0	
33	16,534	0.00	0.0	
34	19,816	0.00	0.0	
35	21,281	0.00	0.0	
36	24,680	0.00	0.0	
37	25,794	0.00	0.0	
38	26,614	0.00	0.0	
39	28,138	0.00	0.0	
40	29,486	0.00	0.0	
41	30,599	0.00	0.0	
42	31,713	0.00	0.0	
43	32,650	0.00	0.0	
44	33,764	0.00	0.0	
45	35,112	0.00	0.0	
46	37,046	0.00	0.0	
47	37,866	0.00	0.0	
48	39,214	0.00	0.0	

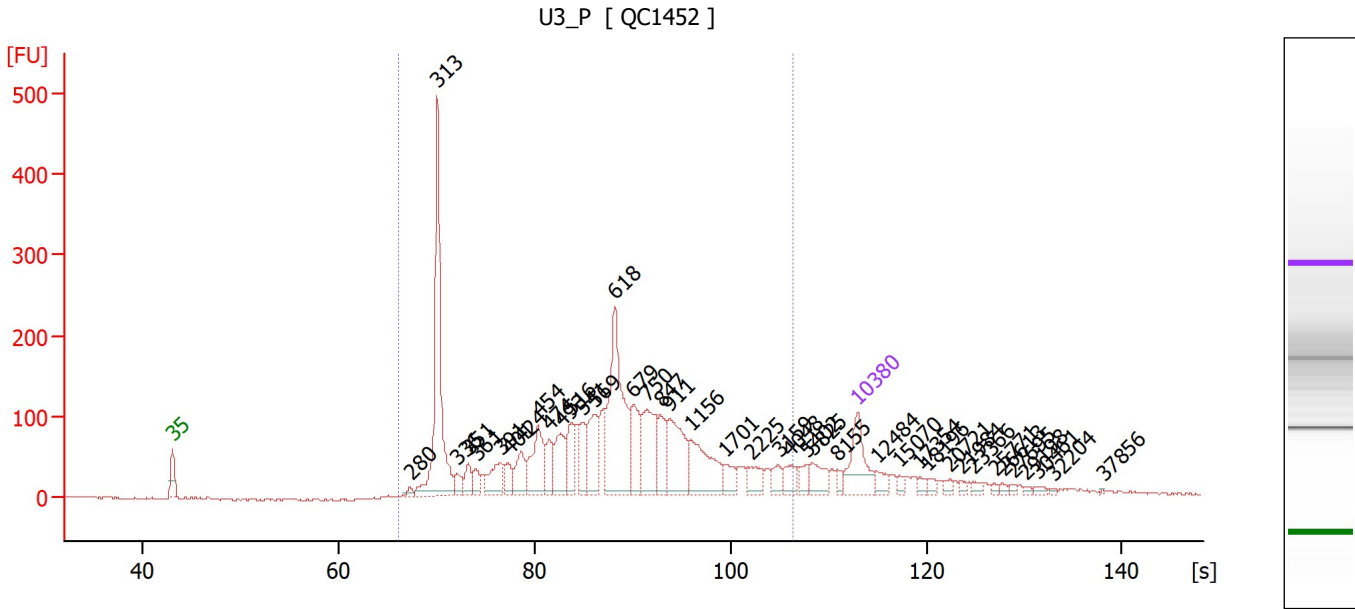
Region table for sample 5 : U2_P

From [s]	To [s]	Corr. Area % of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color	
60.06	99.99	4,112.2	79	639	50.6	2,622.37	8,172.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : U3_P

Number of peaks found: 41 Corr. Area 1: 2,955.2
 Noise: 1.2

Peak table for sample 6 : U3_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	280	8.41	45.5	
3	313	373.98	1,812.6	
4	336	25.47	114.8	
5	351	29.91	129.1	
6	361	25.33	106.5	
7	391	59.24	229.6	
8	401	31.62	119.3	
9	424	52.03	185.9	
10	454	103.69	345.7	
11	474	46.24	147.7	
12	493	76.26	234.3	
13	516	59.68	175.1	
14	541	53.54	149.8	
15	569	87.10	232.1	
16	618	267.60	655.9	
17	679	89.57	200.0	
18	750	118.55	239.3	
19	847	59.74	106.9	
20	911	117.42	195.4	
21	1,156	110.92	145.3	
22	1,701	24.44	21.8	
23	2,225	26.93	18.3	
24	3,159	22.26	10.7	
25	4,048	26.44	9.9	
26	5,402	17.05	4.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 6 : U3_P

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	5,825	34.41	9.0	
28	8,155	10.02	1.9	
29	10,380	75.00	10.9	Upper Marker
30	12,484	0.00	0.0	
31	15,070	0.00	0.0	
32	17,354	0.00	0.0	
33	18,196	0.00	0.0	
34	20,721	0.00	0.0	
35	21,984	0.00	0.0	
36	23,366	0.00	0.0	
37	25,771	0.00	0.0	
38	26,613	0.00	0.0	
39	27,695	0.00	0.0	
40	29,198	0.00	0.0	
41	30,461	0.00	0.0	
42	32,204	0.00	0.0	
43	37,856	0.00	0.0	

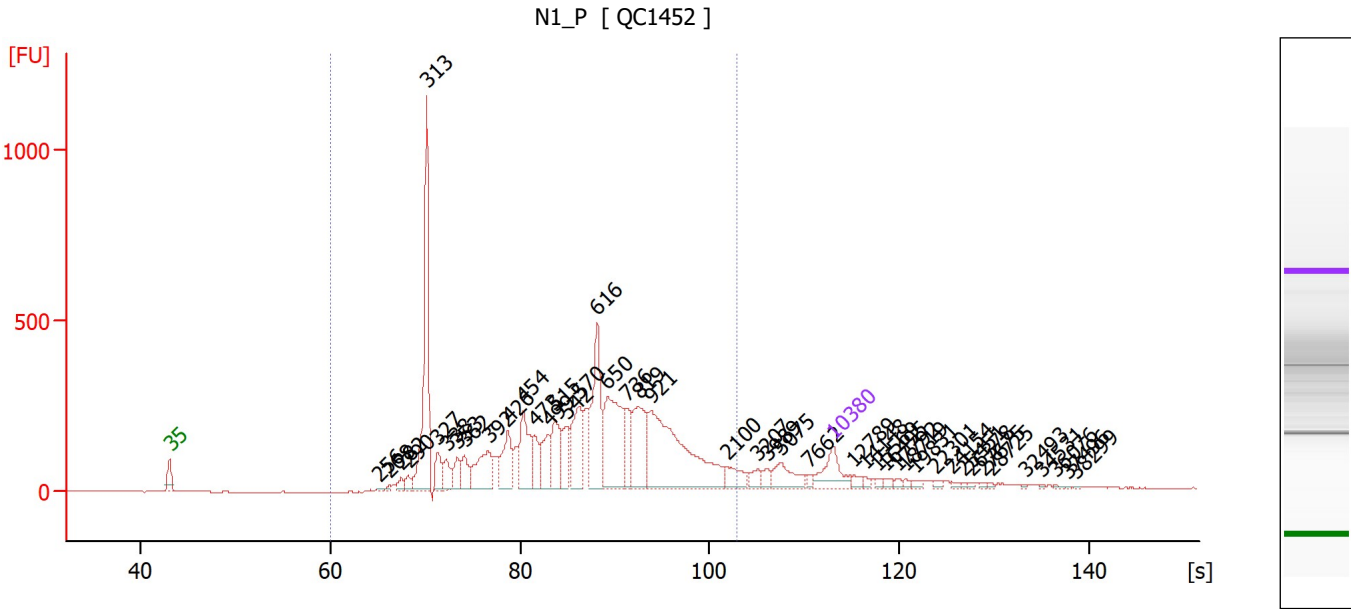
Region table for sample 6 : U3_P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
66.12	106.48	2,955.2	88	816	82.2	2,019.96	5,850.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : N1_P

Number of peaks found: 45 Corr. Area 1: 6,488.9
 Noise: 1.4

Peak table for sample 7 : N1_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	256	3.46	20.4	
3	268	5.19	29.4	
4	282	18.38	98.7	
5	290	21.85	114.3	
6	313	486.37	2,351.2	
7	327	57.73	267.3	
8	338	50.41	226.2	
9	353	49.11	210.8	
10	362	56.37	236.0	
11	392	136.60	527.4	
12	426	115.72	411.2	
13	454	156.00	521.1	
14	473	67.58	216.4	
15	499	90.12	273.5	
16	515	119.71	352.2	
17	542	80.82	226.0	
18	570	151.09	401.8	
19	616	245.05	602.4	
20	650	271.57	633.0	
21	736	89.16	183.5	
22	819	175.98	325.8	
23	921	469.66	772.4	
24	2,100	47.74	34.4	
25	3,207	25.95	12.3	
26	3,989	18.04	6.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 7 : N1_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	5,075	65.81	19.6	
28	7,662	10.87	2.1	
29	10,380	75.00	10.9	Upper Marker
30	12,789	0.00	0.0	
31	14,148	0.00	0.0	
32	15,569	0.00	0.0	
33	16,495	0.00	0.0	
34	17,792	0.00	0.0	
35	18,719	0.00	0.0	
36	19,831	0.00	0.0	
37	22,301	0.00	0.0	
38	24,154	0.00	0.0	
39	25,451	0.00	0.0	
40	26,378	0.00	0.0	
41	27,675	0.00	0.0	
42	28,725	0.00	0.0	
43	32,493	0.00	0.0	
44	34,531	0.00	0.0	
45	36,076	0.00	0.0	
46	37,496	0.00	0.0	
47	38,299	0.00	0.0	

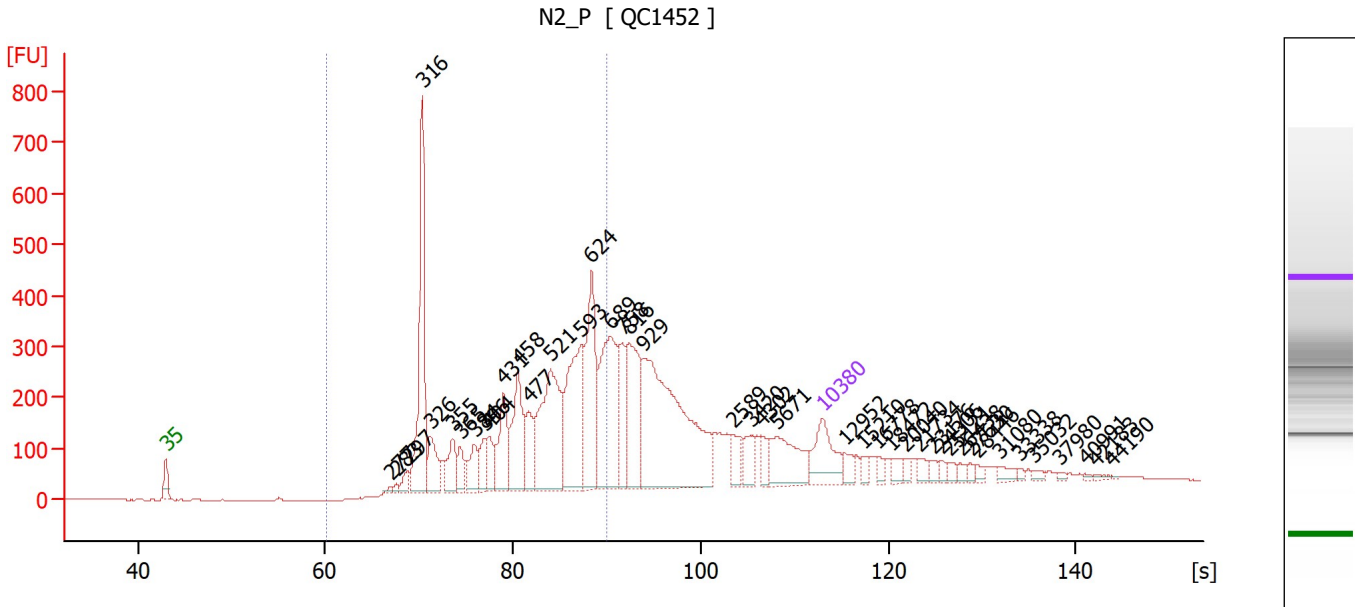
Region table for sample 7 : N1_P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.06	102.82	6,488.9	90	686	57.4	3,066.70	9,244.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : N2_P

Number of peaks found: 43 Corr. Area 1: 4,351.9
 Noise: 0.8

Peak table for sample 8 : N2_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	277	5.55	30.4	
3	283	7.30	39.1	
4	297	20.91	106.6	
5	316	293.64	1,408.8	
6	326	69.27	322.3	
7	355	55.27	235.8	
8	365	36.66	152.1	
9	384	53.23	210.0	
10	396	38.14	145.9	
11	404	44.70	167.5	
12	431	96.08	337.8	
13	458	136.39	451.5	
14	477	67.18	213.2	
15	521	261.86	761.2	
16	593	216.26	552.6	
17	624	191.82	465.8	
18	689	242.48	533.4	
19	758	93.32	186.6	
20	816	168.95	313.7	
21	929	453.52	739.8	
22	2,589	31.39	18.4	
23	3,420	33.59	14.9	
24	4,302	23.71	8.3	
25	5,671	92.79	24.8	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 8 : N2_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	12,952	0.00	0.0	
28	15,210	0.00	0.0	
29	16,778	0.00	0.0	
30	18,472	0.00	0.0	
31	20,040	0.00	0.0	
32	21,734	0.00	0.0	
33	23,176	0.00	0.0	
34	24,306	0.00	0.0	
35	25,121	0.00	0.0	
36	26,438	0.00	0.0	
37	27,630	0.00	0.0	
38	28,446	0.00	0.0	
39	31,080	0.00	0.0	
40	33,338	0.00	0.0	
41	35,032	0.00	0.0	
42	37,980	0.00	0.0	
43	40,991	0.00	0.0	
44	42,183	0.00	0.0	
45	44,190	0.00	0.0	

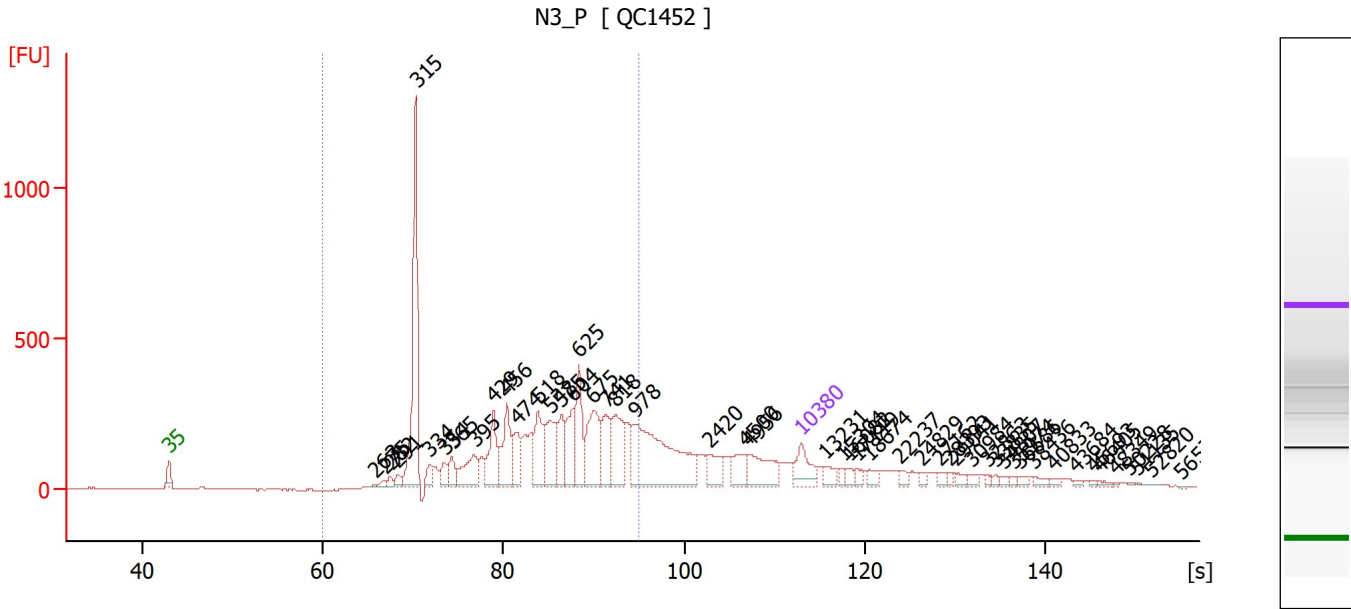
Region table for sample 8 : N2_P

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.06	90.07	4,351.9	51	484	23.8	1,730.50	5,956.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : N3_P

Number of peaks found: 50 Corr. Area 1: 5,626.1
 Noise: 1.2

Peak table for sample 9 : N3_P

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	263	4.52	26.1	
3	275	14.17	78.1	
4	282	16.10	86.4	
5	291	25.21	131.1	
6	315	532.02	2,557.0	
7	334	39.78	180.4	
8	354	41.64	178.3	
9	365	53.84	223.7	
10	395	114.57	440.0	
11	429	137.04	484.0	
12	456	156.11	519.2	
13	474	98.18	313.9	
14	518	144.76	423.1	
15	548	150.43	416.0	
16	575	99.33	261.9	
17	604	115.71	290.2	
18	625	155.59	377.5	
19	675	200.30	449.8	
20	741	115.96	237.2	
21	818	163.32	302.4	
22	978	437.17	677.3	
23	2,420	58.20	36.4	
24	4,500	62.60	21.1	
25	4,956	107.94	33.0	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 9 : N3_P

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	13,231	0.00	0.0	
28	15,304	0.00	0.0	
29	16,082	0.00	0.0	
30	17,119	0.00	0.0	
31	18,674	0.00	0.0	
32	22,237	0.00	0.0	
33	24,829	0.00	0.0	
34	27,162	0.00	0.0	
35	28,393	0.00	0.0	
36	29,041	0.00	0.0	
37	30,984	0.00	0.0	
38	32,863	0.00	0.0	
39	33,835	0.00	0.0	
40	34,807	0.00	0.0	
41	35,974	0.00	0.0	
42	36,686	0.00	0.0	
43	38,436	0.00	0.0	
44	40,833	0.00	0.0	
45	43,684	0.00	0.0	
46	45,693	0.00	0.0	
47	46,405	0.00	0.0	
48	48,349	0.00	0.0	
49	50,228	0.00	0.0	
50	51,135	0.00	0.0	
51	52,820	0.00	0.0	
52	56,578	0.00	0.0	

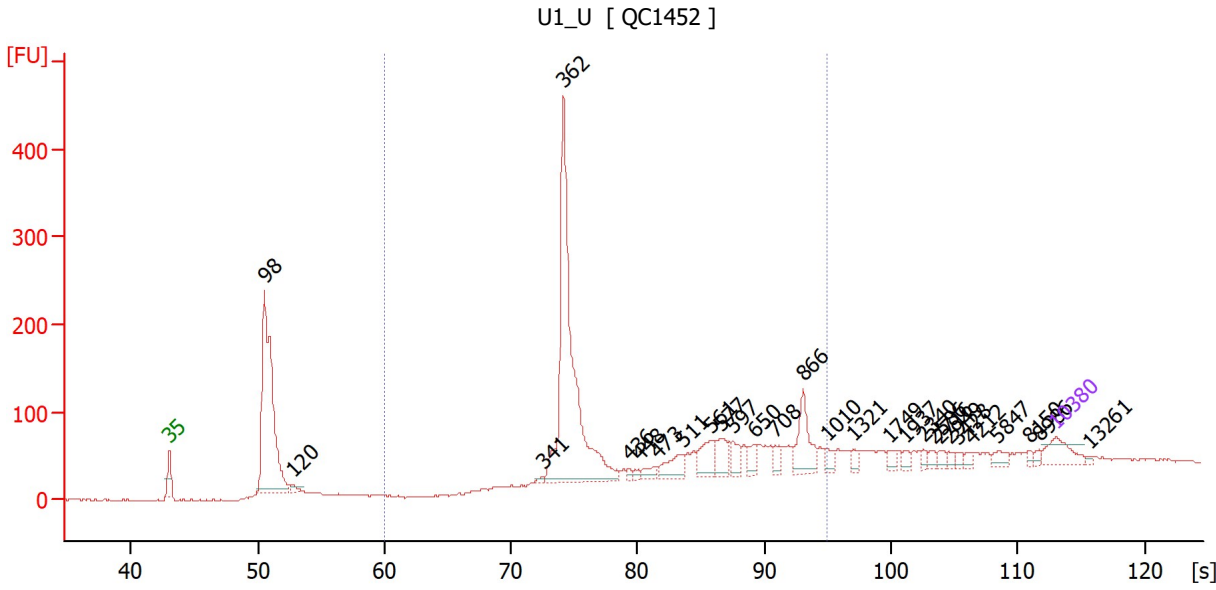
Region table for sample 9 : N3_P

From [s]	To [s]	Corr. Area % of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color	
60.06	94.92	5,626.1	66	545	33.7	2,734.24	8,933.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : U1_U

Number of peaks found: 28 Corr. Area 1: 1,382.7
 Noise: 1.0

Peak table for sample 10 : U1_U

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	98	1,114.56	17,289.9	
3	120	25.49	320.6	
4	341	11.25	49.9	
5	362	1,192.31	4,989.6	
6	436	14.24	49.5	
7	448	13.40	45.3	
8	473	34.03	108.9	
9	511	87.75	260.4	
10	561	100.45	271.3	
11	577	78.25	205.6	
12	597	55.66	141.3	
13	650	43.78	102.1	
14	708	34.35	73.5	
15	866	155.47	272.2	
16	1,010	31.96	47.9	
17	1,321	19.19	22.0	
18	1,749	23.64	20.5	
19	1,937	19.37	15.2	
20	2,340	15.29	9.9	
21	2,586	17.76	10.4	
22	2,716	18.25	10.2	
23	2,949	15.18	7.8	
24	3,428	13.26	5.9	
25	4,212	16.33	5.9	
26	5,847	28.36	7.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 10 : U1 U

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	8,150	10.28	1.9	
28	8,986	11.12	1.9	
29	10,380	75.00	10.9	Upper Marker
30	13,261	0.00	0.0	

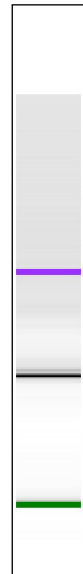
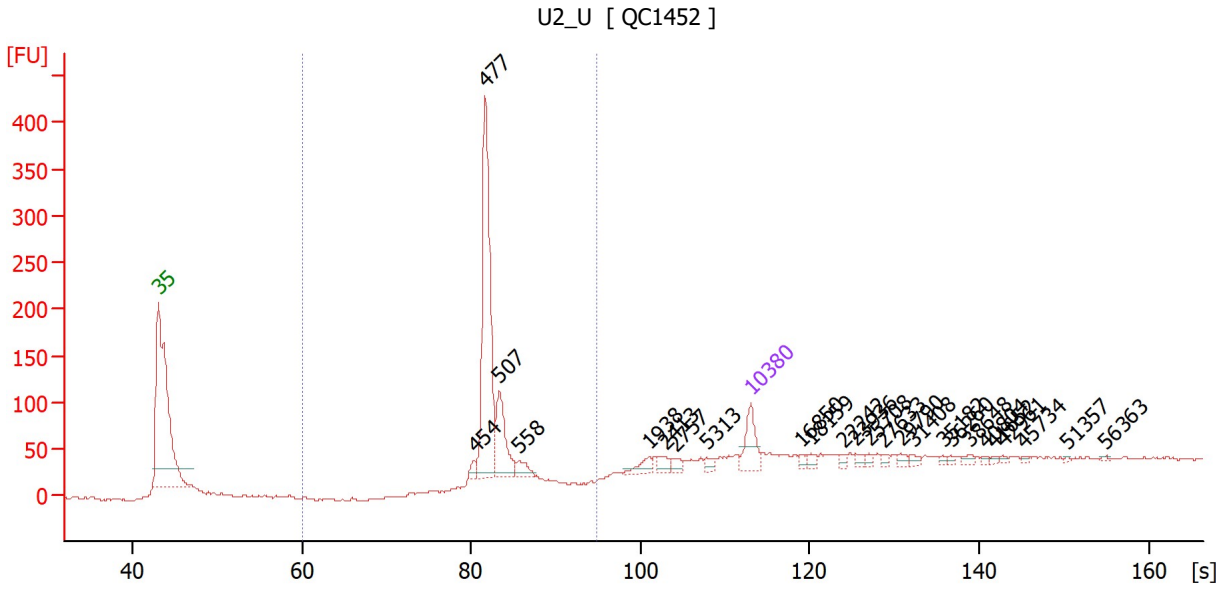
Region table for sample 10 : U1 U

From [s]	To [s]	Corr. Area % of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color	
60.06	94.92	1,382.7	60	517	34.9	2,122.86	7,171.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : U2_U

Number of peaks found: 25 Corr. Area 1: 564.8
 Noise: 1.3

Peak table for sample 11 : U2_U

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	454	20.76	69.3	
3	477	584.85	1,858.6	
4	507	156.40	467.0	
5	558	33.62	91.4	
6	1,938	26.60	20.8	
7	2,413	21.92	13.8	
8	2,757	16.61	9.1	
9	5,313	13.84	3.9	
10	10,380	75.00	10.9	Upper Marker
11	16,850	0.00	0.0	
12	18,159	0.00	0.0	
13	22,242	0.00	0.0	
14	23,936	0.00	0.0	
15	25,708	0.00	0.0	
16	27,633	0.00	0.0	
17	29,790	0.00	0.0	
18	31,408	0.00	0.0	
19	35,182	0.00	0.0	
20	36,260	0.00	0.0	
21	38,648	0.00	0.0	
22	40,804	0.00	0.0	
23	41,652	0.00	0.0	
24	42,961	0.00	0.0	
25	45,734	0.00	0.0	
26	51,357	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad


Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 AM

Electropherogram Summary Continued ...

... Peak table for sample 11 : U2 U

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	56,363	0.00	0.0	

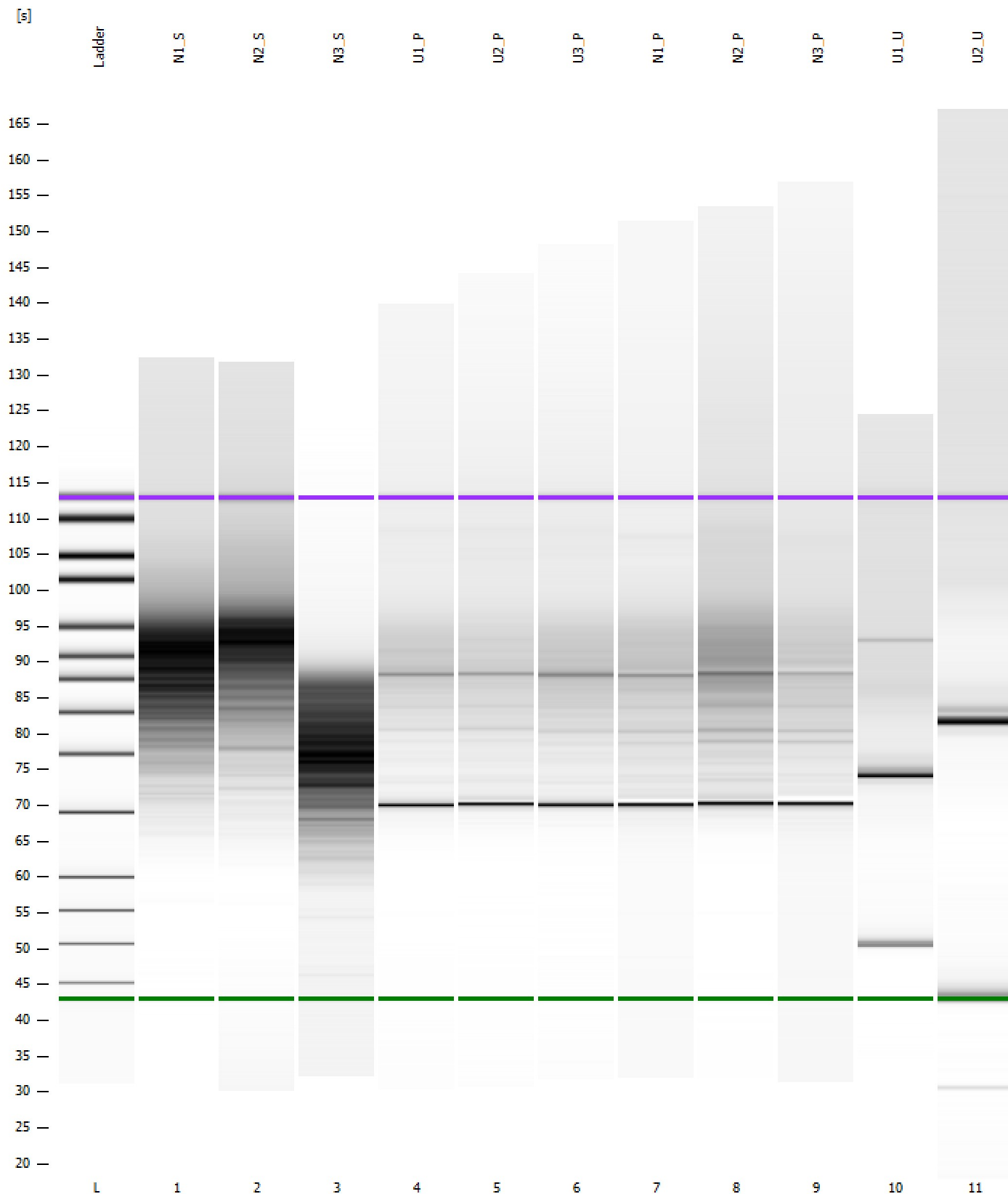
Region table for sample 11 : U2 U

From [s]	To [s]	Corr. Area % of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color	
60.06	94.92	564.8	51	491	5.4	825.17	2,553.6	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
Modified: 4/18/2023 10:13:17 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad

Created: 4/17/2023 10:50:35 AM
 Modified: 4/18/2023 10:13:17 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		4/17/2023 11:31:54 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-04-17\Bioanalyzer1_High Sensitivity DNA Assay_2023-04-17_001.xad)		Instrument	Run		4/17/2023 10:50:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/17/2023 10:50:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/17/2023 10:50:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/17/2023 10:50:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/17/2023 10:50:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/17/2023 10:50:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/17/2023 10:50:42 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB