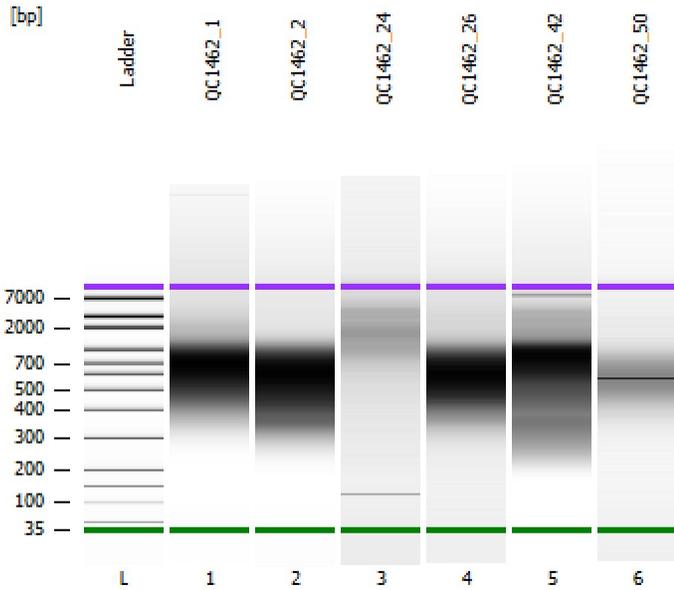


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
Modified: 5/4/2023 2:51:17 PM

Electrophoresis File Run Summary



Instrument Information:

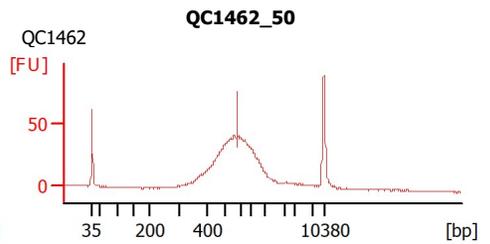
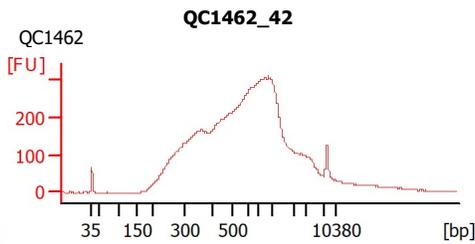
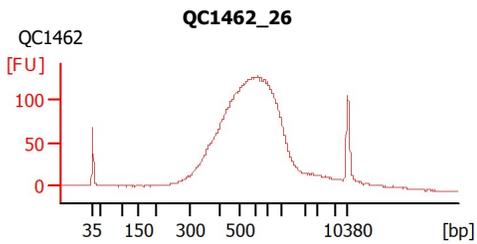
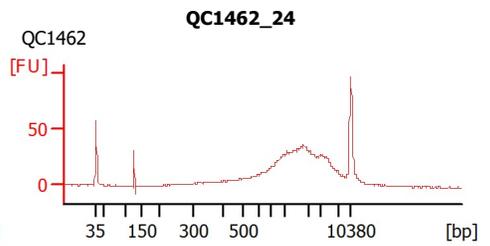
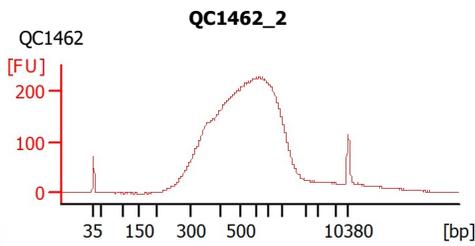
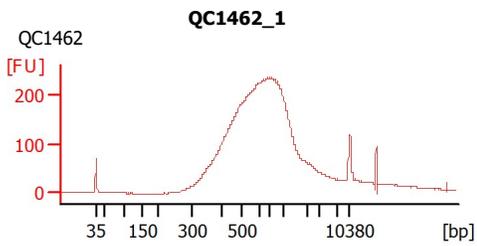
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
QC1462_1	QC1462	<input type="checkbox"/>	✓			
QC1462_2	QC1462	<input type="checkbox"/>	✓			
QC1462_24	QC1462	<input type="checkbox"/>	✓			
QC1462_26	QC1462	<input type="checkbox"/>	✓			
QC1462_42	QC1462	<input type="checkbox"/>	✓			
QC1462_50	QC1462	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
Modified: 5/4/2023 2:51:17 PM

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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

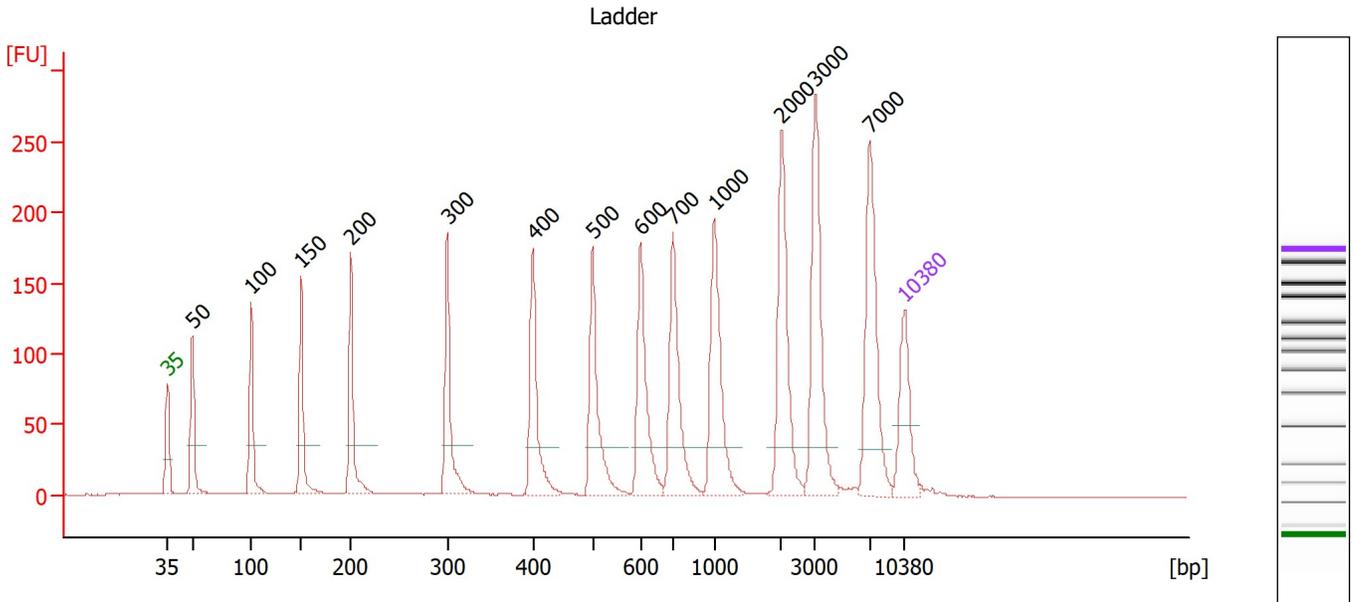
Ladder

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:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

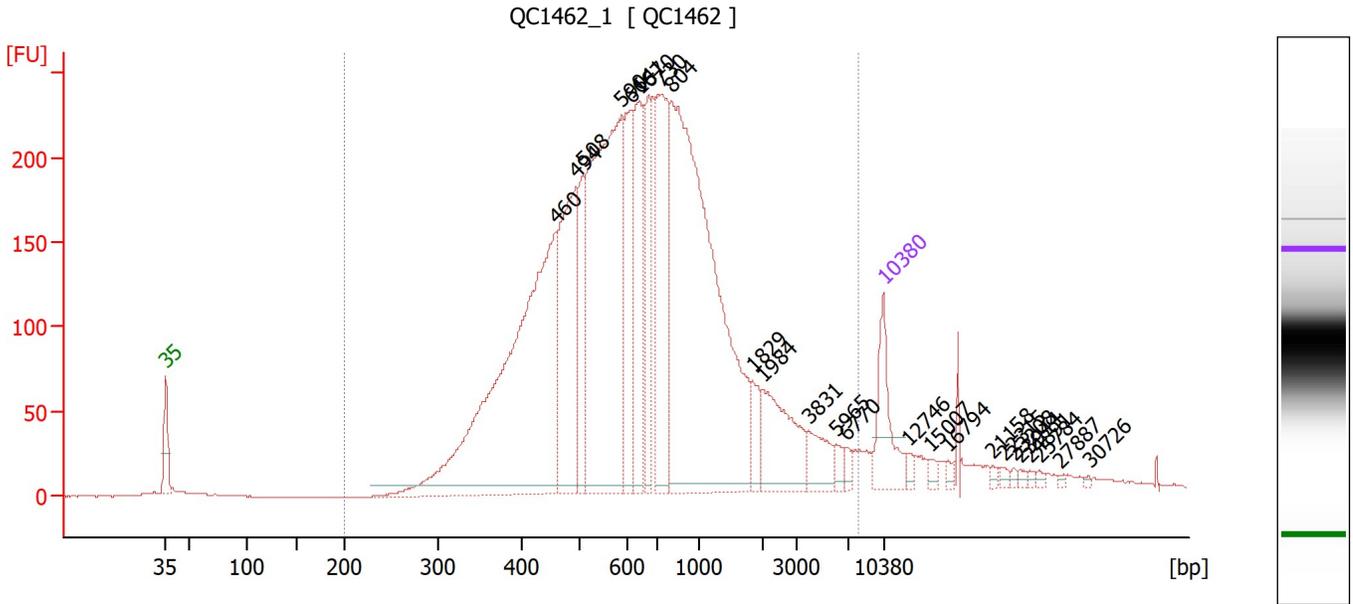
Peak table for Ladder

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:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC1462_1

Number of peaks found: 25 Corr. Area 1: 5,338.2
 Noise: 0.3

Peak table for sample 1 : QC1462_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	460	852.78	2,810.1	
3	494	314.93	965.3	
4	508	112.88	336.9	
5	590	609.20	1,564.5	
6	616	156.65	385.6	
7	641	169.79	401.2	
8	670	124.59	281.6	
9	730	247.16	513.1	
10	804	887.50	1,672.5	
11	1,829	35.59	29.5	
12	1,984	117.99	90.1	
13	3,831	44.81	17.7	
14	5,965	15.21	3.9	
15	6,770	9.58	2.1	
16	10,380	75.00	10.9	Upper Marker
17	12,746	0.00	0.0	
18	15,007	0.00	0.0	
19	16,794	0.00	0.0	
20	21,158	0.00	0.0	
21	22,315	0.00	0.0	
22	23,208	0.00	0.0	
23	23,944	0.00	0.0	
24	24,891	0.00	0.0	
25	25,784	0.00	0.0	
26	27,887	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : QC1462_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	30,726	0.00	0.0	

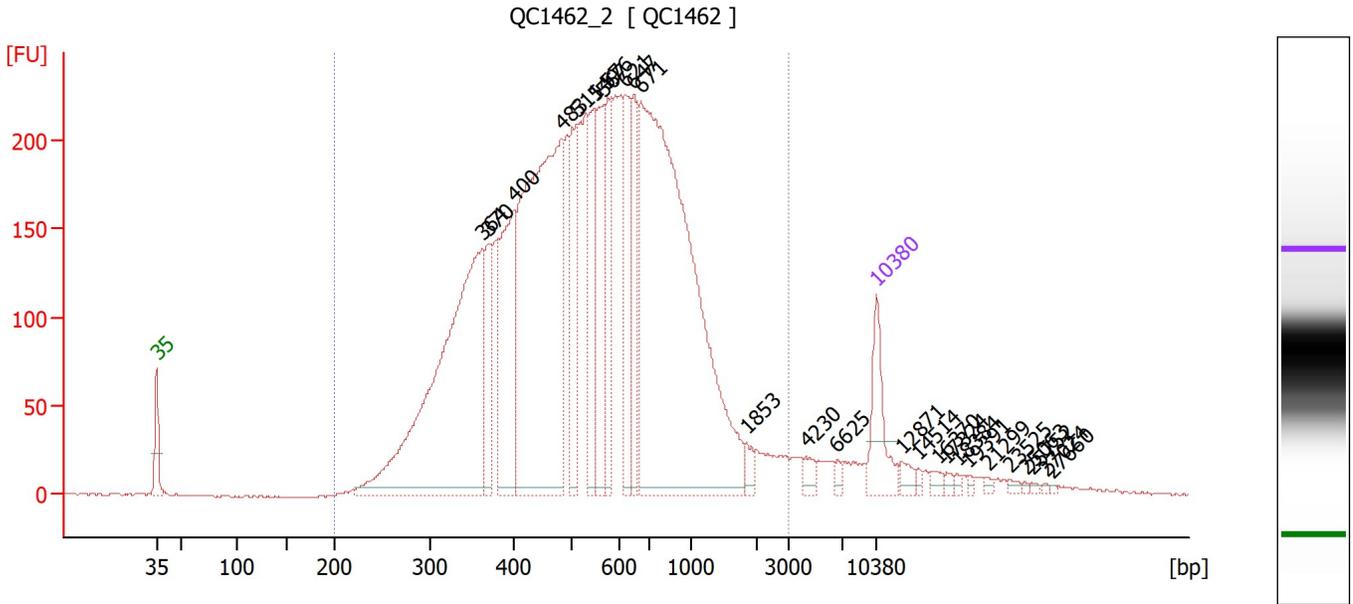
Region table for sample 1 : QC1462_1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,916	5,338.2	96	932	100.0	3,790.76	9,627.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1462_2

Number of peaks found: 26 Corr. Area 1: 6,004.7
 Noise: 0.4

Peak table for sample 2 : QC1462_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	364	858.61	3,578.5	
3	370	119.27	488.5	
4	400	275.93	1,044.5	
5	483	876.61	2,751.7	
6	511	170.44	504.9	
7	549	147.81	407.9	
8	567	166.21	444.0	
9	576	135.23	355.5	
10	621	163.11	398.0	
11	647	132.20	309.6	
12	671	1,179.46	2,663.1	
13	1,853	16.98	13.9	
14	4,230	15.72	5.6	
15	6,625	7.48	1.7	
16	10,380	75.00	10.9	Upper Marker
17	12,871	0.00	0.0	
18	14,514	0.00	0.0	
19	16,370	0.00	0.0	
20	17,324	0.00	0.0	
21	18,384	0.00	0.0	
22	19,391	0.00	0.0	
23	21,299	0.00	0.0	
24	23,525	0.00	0.0	
25	25,063	0.00	0.0	
26	25,752	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : QC1462_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	27,024	0.00	0.0	
28	27,660	0.00	0.0	

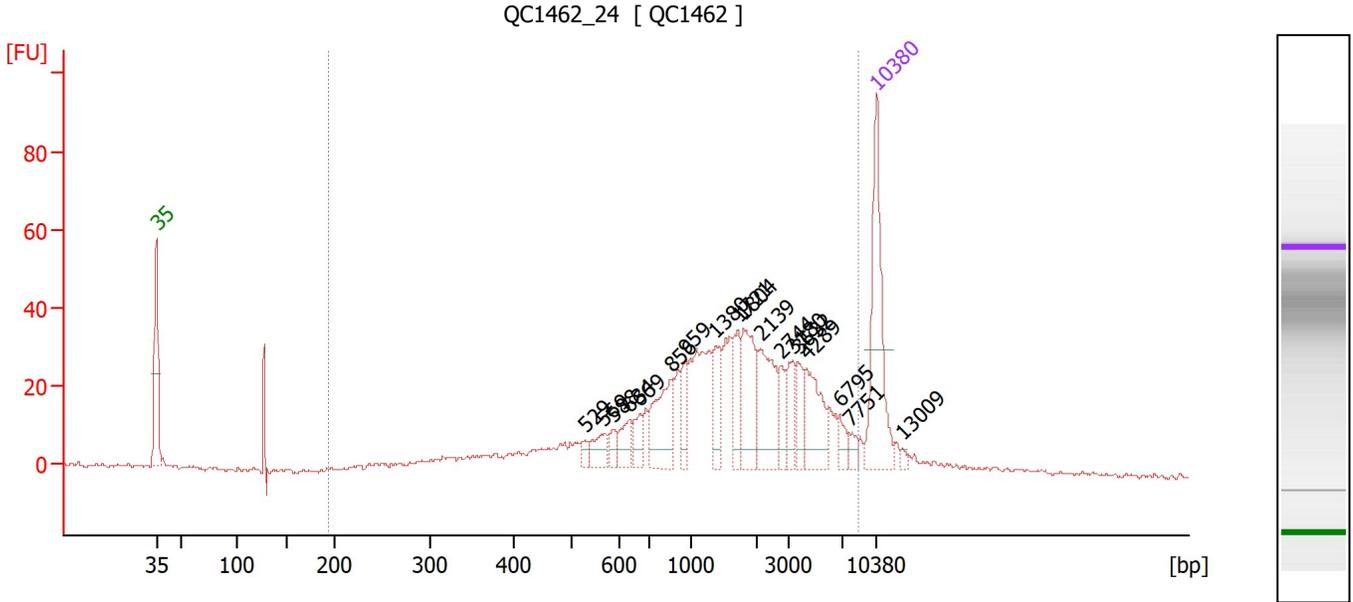
Region table for sample 2 : QC1462_2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,966	6,004.7	96	629	56.9	4,896.38	15,157.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1462_24

Number of peaks found: 18 Corr. Area 1: 653.3
 Noise: 0.5

Peak table for sample 3 : QC1462_24

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	529	6.18	17.7	
3	569	17.40	46.3	
4	588	9.44	24.3	
5	634	17.59	42.0	
6	669	15.52	35.2	
7	856	50.20	88.9	
8	959	18.64	29.4	
9	1,380	22.75	25.0	
10	1,721	23.70	20.9	
11	1,804	45.82	38.5	
12	2,139	48.06	34.0	
13	2,744	14.44	8.0	
14	3,180	20.50	9.8	
15	3,632	16.89	7.0	
16	4,289	38.67	13.7	
17	6,795	9.50	2.1	
18	7,751	5.76	1.1	
19	10,380	75.00	10.9	Upper Marker
20	13,009	0.00	0.0	

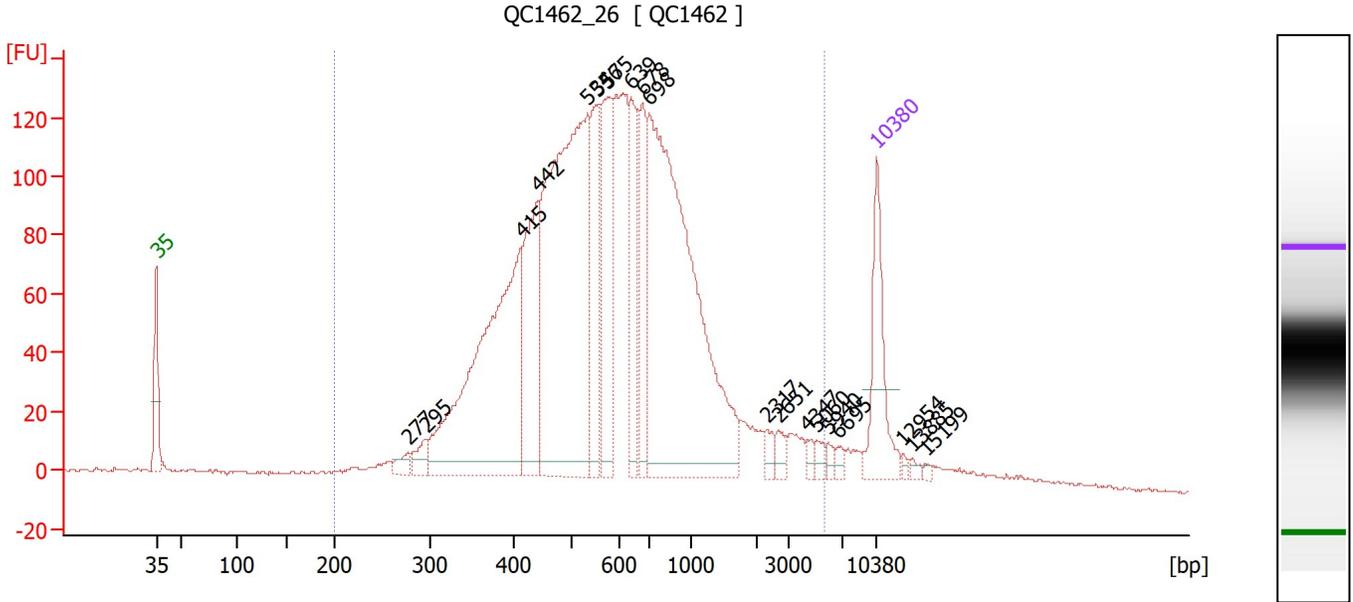
Region table for sample 3 : QC1462_24

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
193	8,610	653.3	95	2,057	84.7	623.76	984.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1462_26

Number of peaks found: 19 Corr. Area 1: 3,047.2
 Noise: 0.5

Peak table for sample 4 : QC1462_26

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	277	15.22	83.2	
3	295	22.15	113.6	
4	415	413.70	1,511.4	
5	442	156.98	537.9	
6	534	537.39	1,524.9	
7	556	116.49	317.3	
8	575	148.09	390.2	
9	639	98.89	234.5	
10	678	91.65	204.8	
11	698	573.47	1,245.5	
12	2,317	10.70	7.0	
13	2,651	10.89	6.2	
14	4,347	6.51	2.3	
15	5,060	8.20	2.5	
16	5,940	6.42	1.6	
17	6,695	6.30	1.4	
18	10,380	75.00	10.9	Upper Marker
19	12,954	0.00	0.0	
20	13,885	0.00	0.0	
21	15,199	0.00	0.0	

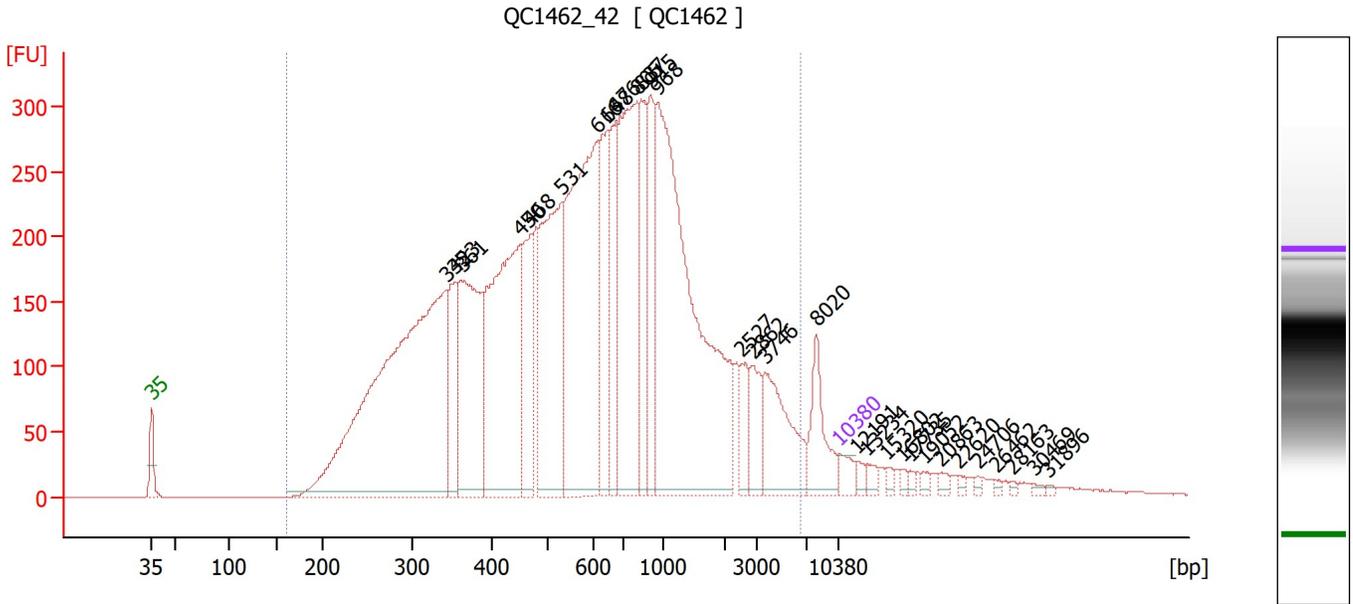
Region table for sample 4 : QC1462_26

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	5,633	3,047.2	95	753	86.5	2,547.69	7,216.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1462_42

Number of peaks found: 30 Corr. Area 1: 9,280.3
 Noise: 0.2

Peak table for sample 5 : QC1462_42

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	342	4,179.14	18,507.8	
3	353	546.86	2,348.7	
4	361	1,314.82	5,511.8	
5	450	1,938.57	6,522.4	
6	468	627.08	2,028.7	
7	531	1,460.41	4,164.3	
8	616	2,141.54	5,271.0	
9	648	677.59	1,585.0	
10	676	476.41	1,067.3	
11	805	1,434.17	2,700.1	
12	837	612.05	1,107.5	
13	915	519.53	860.6	
14	968	2,846.16	4,456.9	
15	2,527	160.85	96.4	
16	2,862	212.12	112.3	
17	3,746	486.17	196.6	
18	8,020	292.33	55.2	
19	10,380	75.00	10.9	Upper Marker
20	12,191	0.00	0.0	
21	13,234	0.00	0.0	
22	15,320	0.00	0.0	
23	16,802	0.00	0.0	
24	17,735	0.00	0.0	
25	19,052	0.00	0.0	
26	20,863	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : QC1462_42

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	22,620	0.00	0.0	
28	24,706	0.00	0.0	
29	26,462	0.00	0.0	
30	28,163	0.00	0.0	
31	30,469	0.00	0.0	
32	31,896	0.00	0.0	

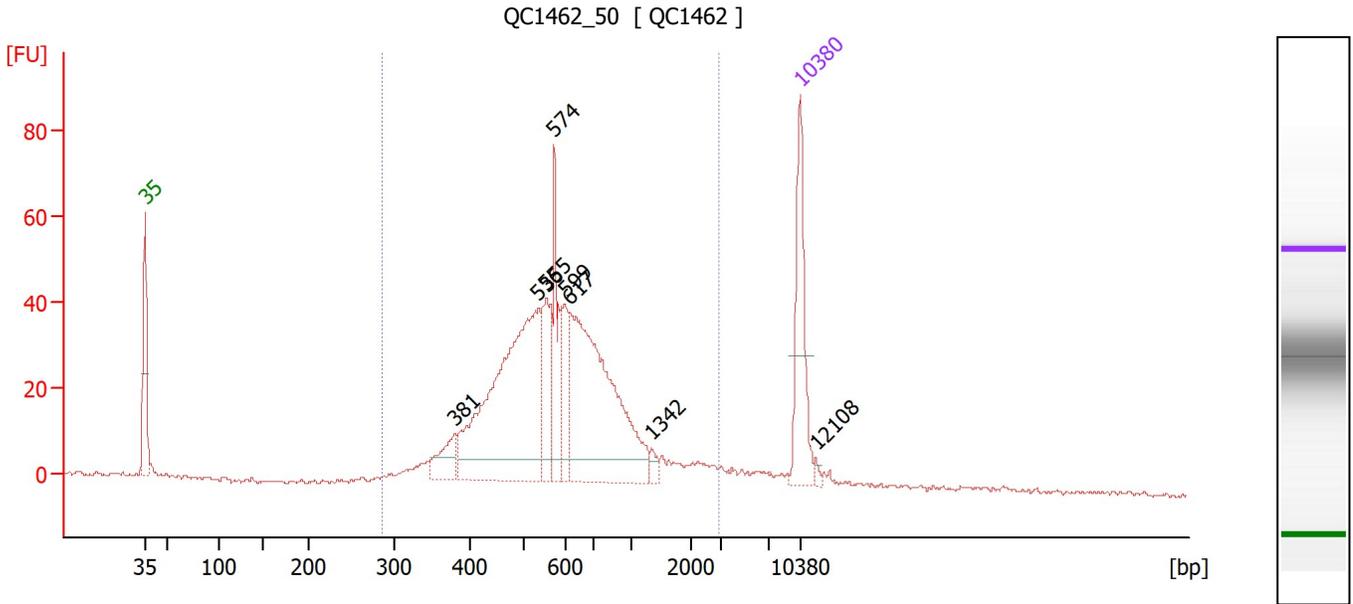
Region table for sample 5 : QC1462_42

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
161	6,452	9,280.3	95	894	100.0	20,508.82	64,438.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1462_50

Number of peaks found: 8 Corr. Area 1: 728.5
 Noise: 0.3

Peak table for sample 6 : QC1462_50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	381	34.15	136.0	
3	536	319.20	903.0	
4	555	61.63	168.1	
5	574	65.72	173.5	
6	599	45.03	114.0	
7	617	269.91	663.2	
8	1,342	6.80	7.7	
9	10,380	75.00	10.9	Upper Marker
10	12,108	0.00	0.0	

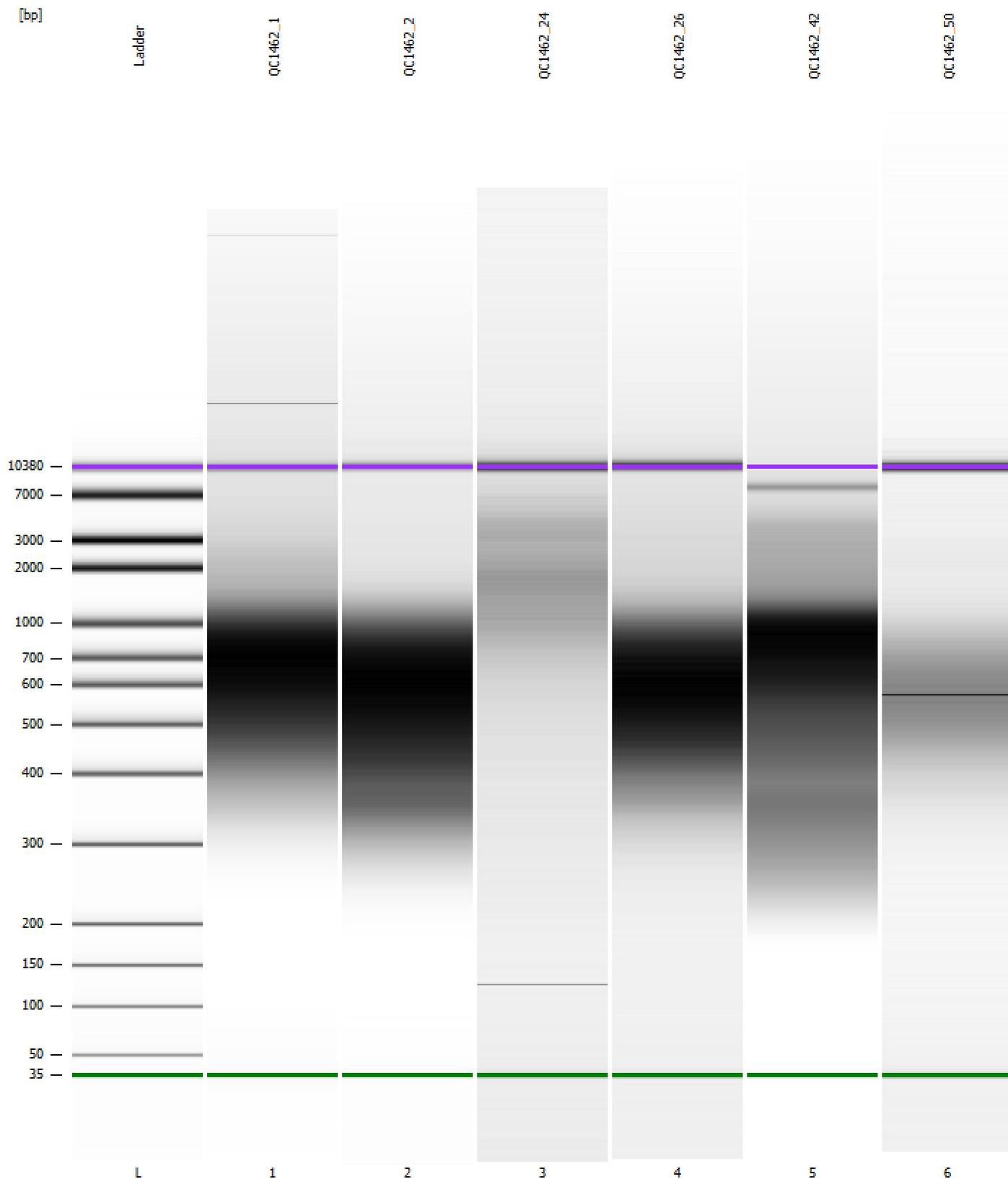
Region table for sample 6 : QC1462_50

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
286	2,960	728.5	93	679	56.3	891.94	2,418.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
Modified: 5/4/2023 2:51:17 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-05-04\QC1642_BioA.xad

Created: 5/4/2023 1:15:52 PM
 Modified: 5/4/2023 2:51:17 PM

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		5/4/2023 1:56:14 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-04\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-04_002.xad)		Instrument	Run		5/4/2023 1:15:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/4/2023 1:15:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/4/2023 1:15:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/4/2023 1:15:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/4/2023 1:15:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/4/2023 1:15:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/4/2023 1:15:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB