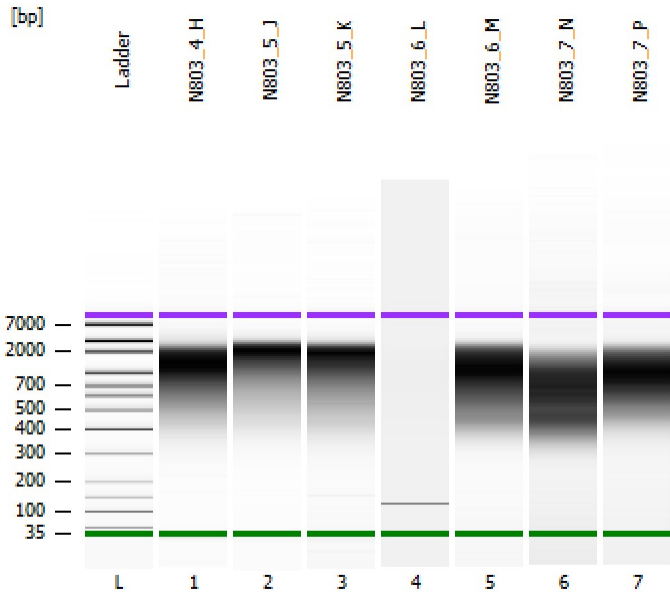


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
Modified: 6/8/2023 11:46:31 AM

Electrophoresis File Run Summary



Instrument Information:

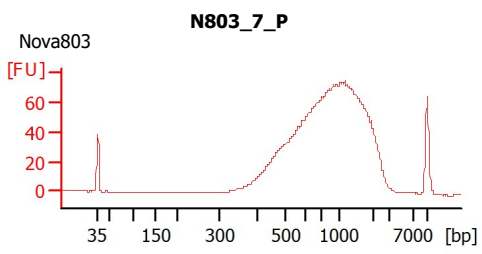
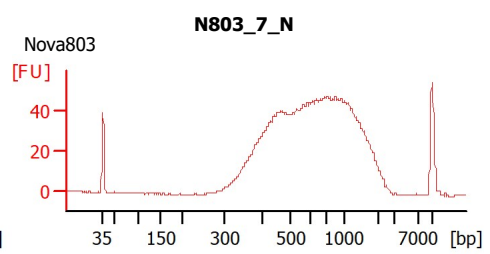
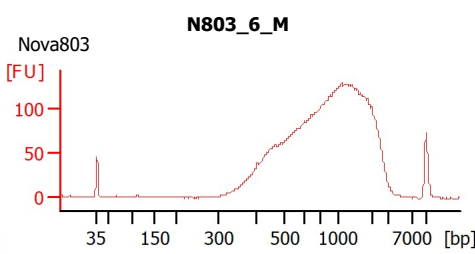
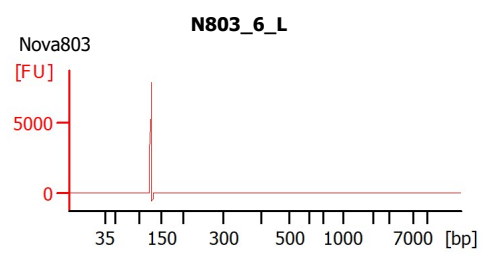
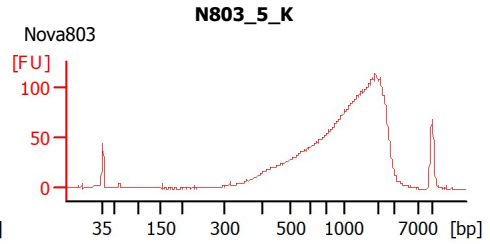
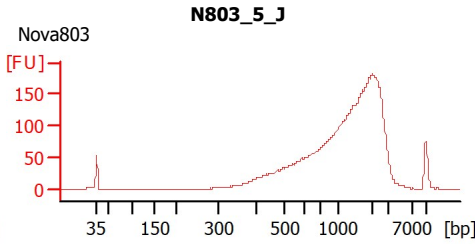
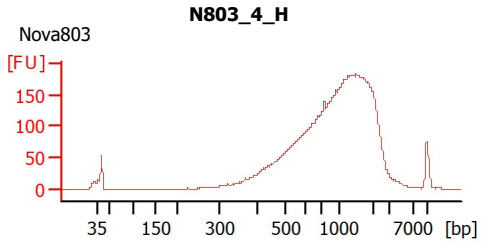
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
N803_4_H	Nova803	<input type="checkbox"/>		✓		
N803_5_J	Nova803	<input type="checkbox"/>		✓		
N803_5_K	Nova803	<input type="checkbox"/>		✓		
N803_6_L	Nova803	<input type="checkbox"/>		✓		
N803_6_M	Nova803	<input type="checkbox"/>		✓		
N803_7_N	Nova803	<input type="checkbox"/>		✓		
N803_7_P	Nova803	<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\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
Modified: 6/8/2023 11:46:31 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/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ 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

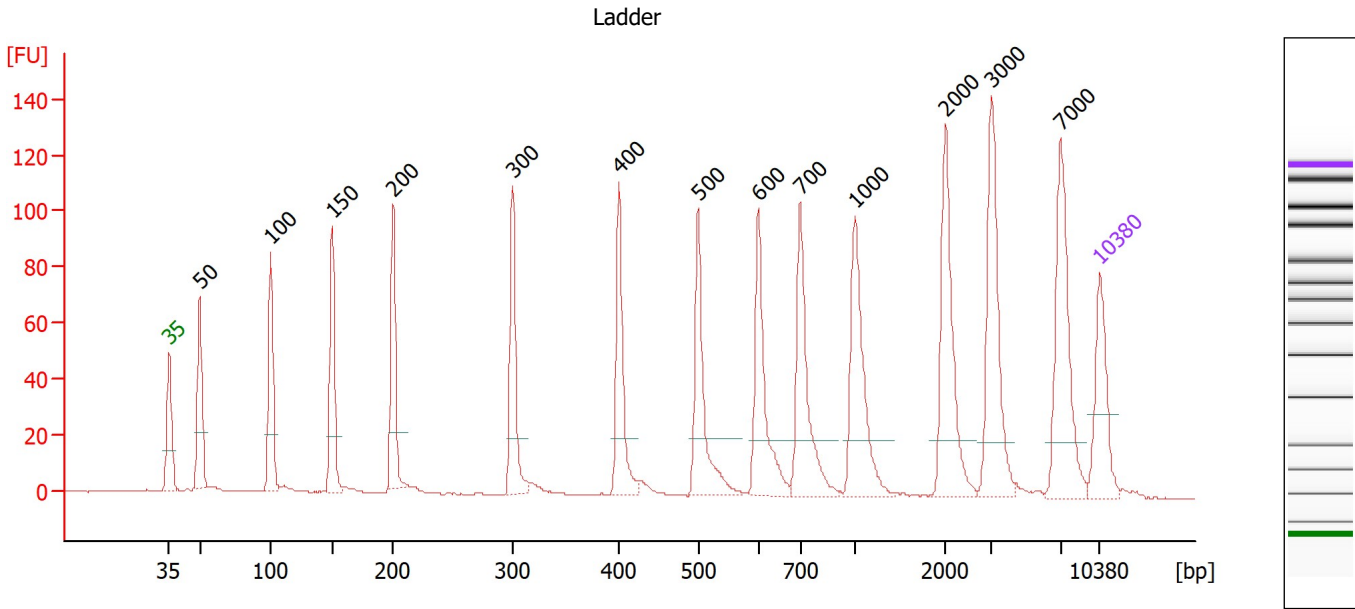
### Ladder

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\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

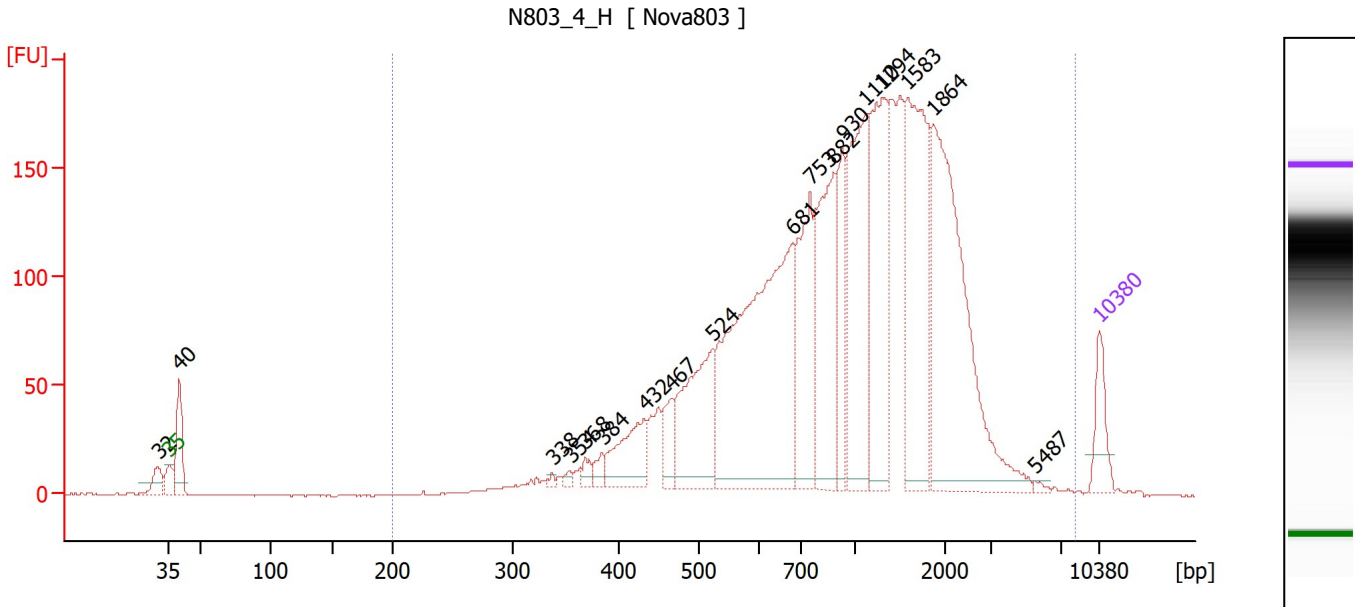
**Peak table for Ladder**

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:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : N803 4 H**

Number of peaks found: 18                      Corr. Area 1: 3,371.3  
 Noise: 0.2

**Peak table for sample 1 : N803 4 H**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	40	154.93	5,872.1	
4	338	7.85	35.2	
5	354	12.17	52.1	
6	368	26.47	108.9	
7	384	29.67	117.1	
8	432	165.73	581.6	
9	467	75.36	244.7	
10	524	327.13	946.2	
11	681	990.34	2,201.8	
12	753	339.97	683.7	
13	882	380.92	654.3	
14	930	177.78	289.5	
15	1,110	418.29	571.1	
16	1,294	405.99	475.3	
17	1,583	475.15	454.8	
18	1,864	674.83	548.6	
19	5,487	6.04	1.7	
20	10,380	75.00	10.9	Upper Marker

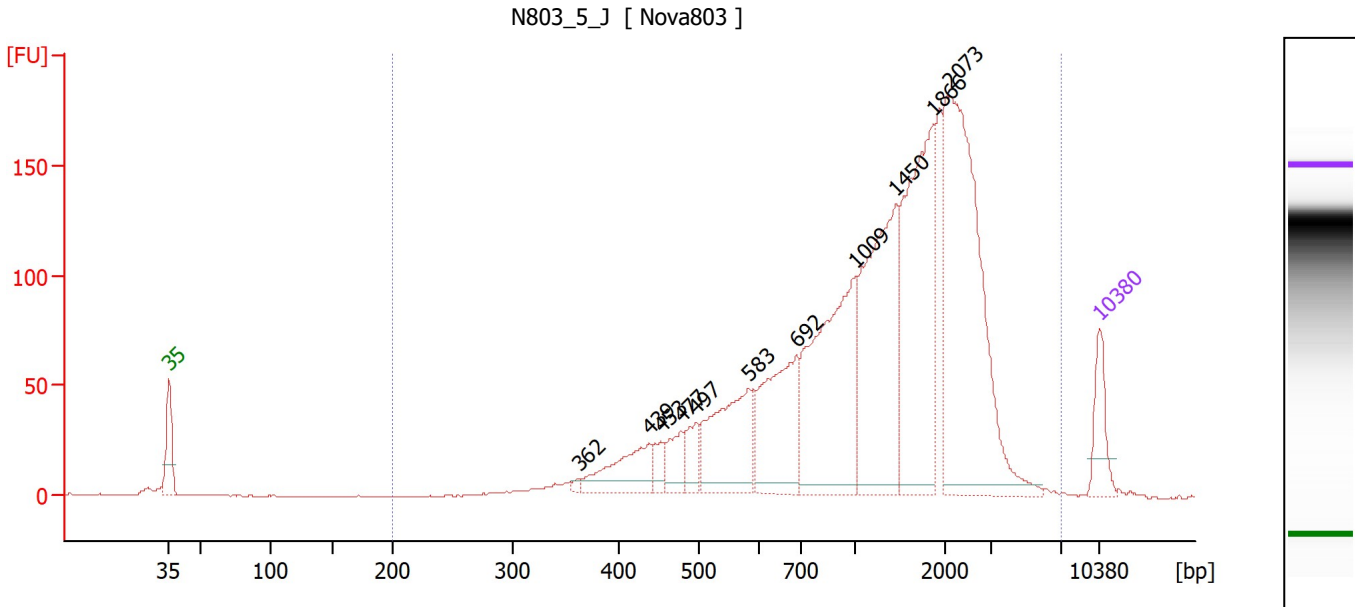
**Region table for sample 1 : N803 4 H**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,311	3,371.3	97	1,211	64.7	5,306.58	10,059.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : N803 5 J**

Number of peaks found: 11                      Corr. Area 1: 2,469.0  
 Noise: 0.3

**Peak table for sample 2 : N803 5 J**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	362	10.00	41.9	
3	439	152.61	526.8	
4	453	37.76	126.3	
5	477	72.73	230.9	
6	497	65.34	199.3	
7	583	273.09	709.3	
8	692	315.61	690.9	
9	1,009	486.74	730.7	
10	1,450	481.33	503.0	
11	1,866	485.83	394.5	
12	2,073	704.21	514.6	
13	10,380	75.00	10.9	Upper Marker

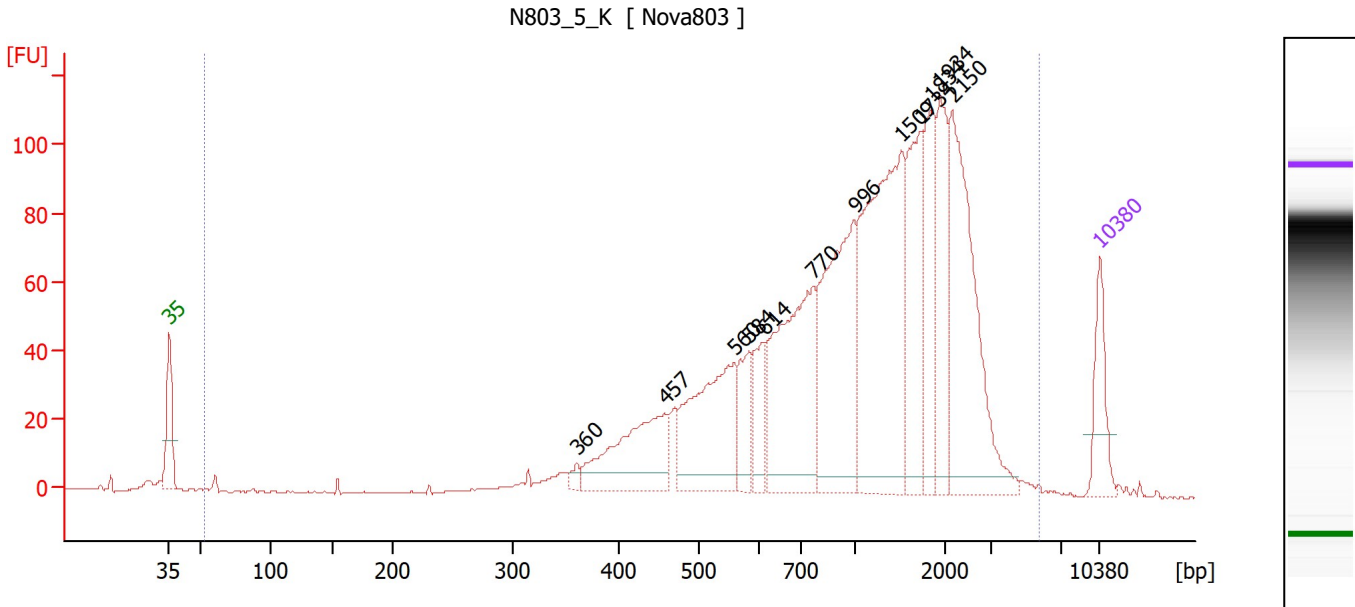
**Region table for sample 2 : N803 5 J**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	7,068	2,469.0	98	1,462	57.8	3,461.66	5,707.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : N803\_5\_K**

Number of peaks found: 12                      Corr. Area 1: 1,774.1  
 Noise: 0.4

**Peak table for sample 3 : N803\_5\_K**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	360	16.69	70.2	
3	457	227.13	753.0	
4	560	274.54	742.3	
5	584	82.66	214.3	
6	614	83.91	207.2	
7	770	363.54	715.0	
8	996	345.36	525.4	
9	1,509	487.08	489.2	
10	1,734	182.85	159.8	
11	1,834	148.26	122.5	
12	1,934	158.27	124.0	
13	2,150	340.91	240.3	
14	10,380	75.00	10.9	Upper Marker

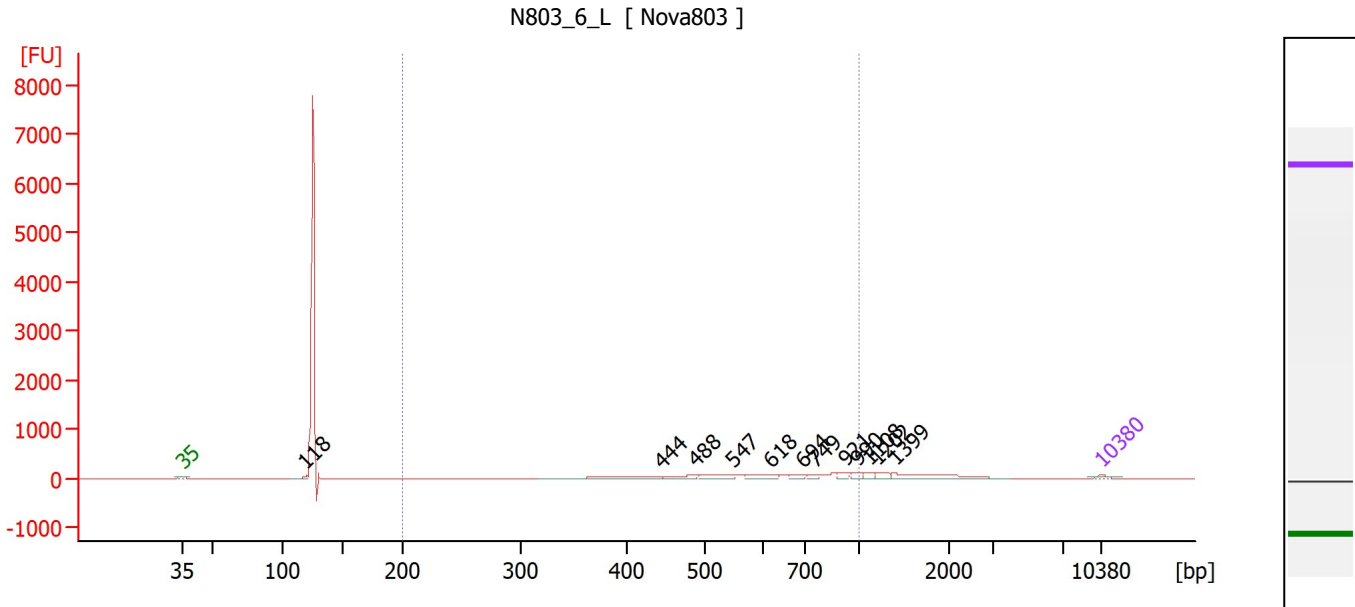
**Region table for sample 3 : N803\_5\_K**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
53	5,704	1,774.1	99	1,293	57.1	2,942.00	5,526.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : N803\_6\_L**

Number of peaks found: 12                      Corr. Area 1: 1,433.4  
 Noise: 0.3

**Peak table for sample 4 : N803\_6\_L**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	118	67.88	872.3	
3	444	445.58	1,519.5	
4	488	310.61	963.7	
5	547	353.89	980.8	
6	618	374.66	918.4	
7	694	223.12	487.4	
8	749	157.73	318.9	
9	921	157.27	258.7	
10	990	163.78	250.7	
11	1,108	132.39	181.1	
12	1,202	199.57	251.6	
13	1,399	745.09	807.1	
14	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : N803\_6\_L**

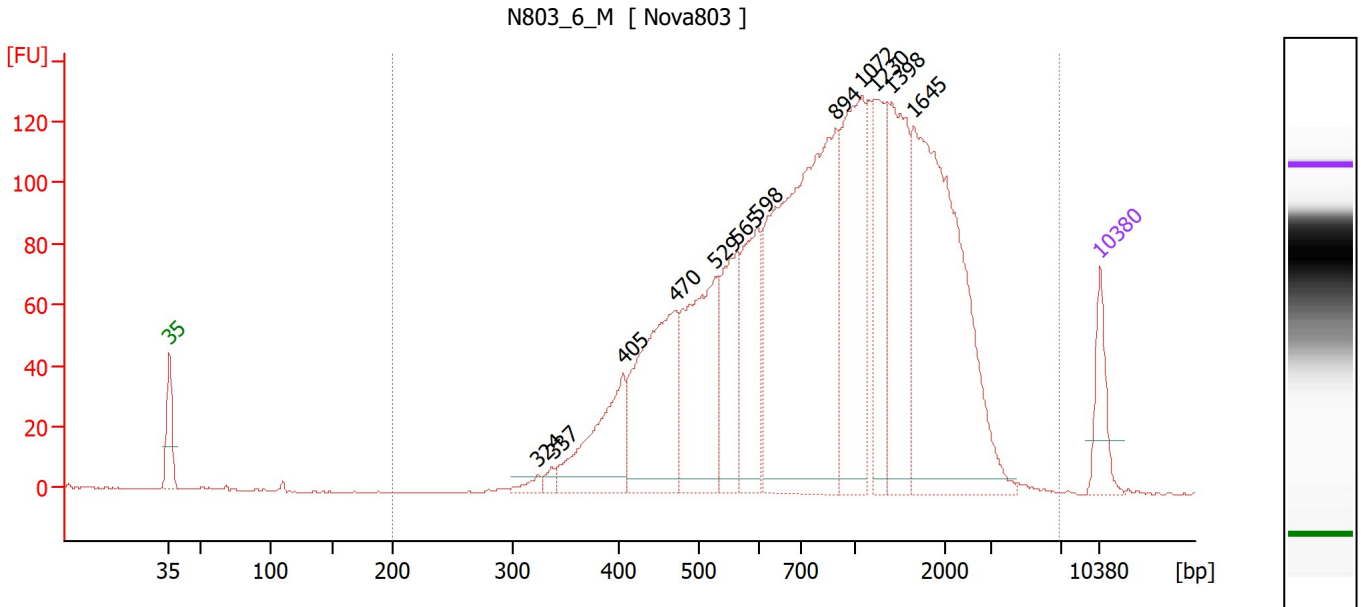
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,433.4	24	628	27.2	2,644.83	7,038.4	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : N803\_6\_M**

Number of peaks found: 12      Corr. Area 1: 2,694.1  
 Noise: 0.2

**Peak table for sample 5 : N803\_6\_M**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	324	21.06	98.5	
3	337	18.38	82.6	
4	405	253.38	948.7	
5	470	422.04	1,359.7	
6	529	387.84	1,111.3	
7	565	208.06	558.2	
8	598	246.15	623.5	
9	894	988.73	1,675.0	
10	1,072	381.77	539.8	
11	1,230	194.83	239.9	
12	1,398	321.52	348.4	
13	1,645	725.89	668.5	
14	10,380	75.00	10.9	Upper Marker

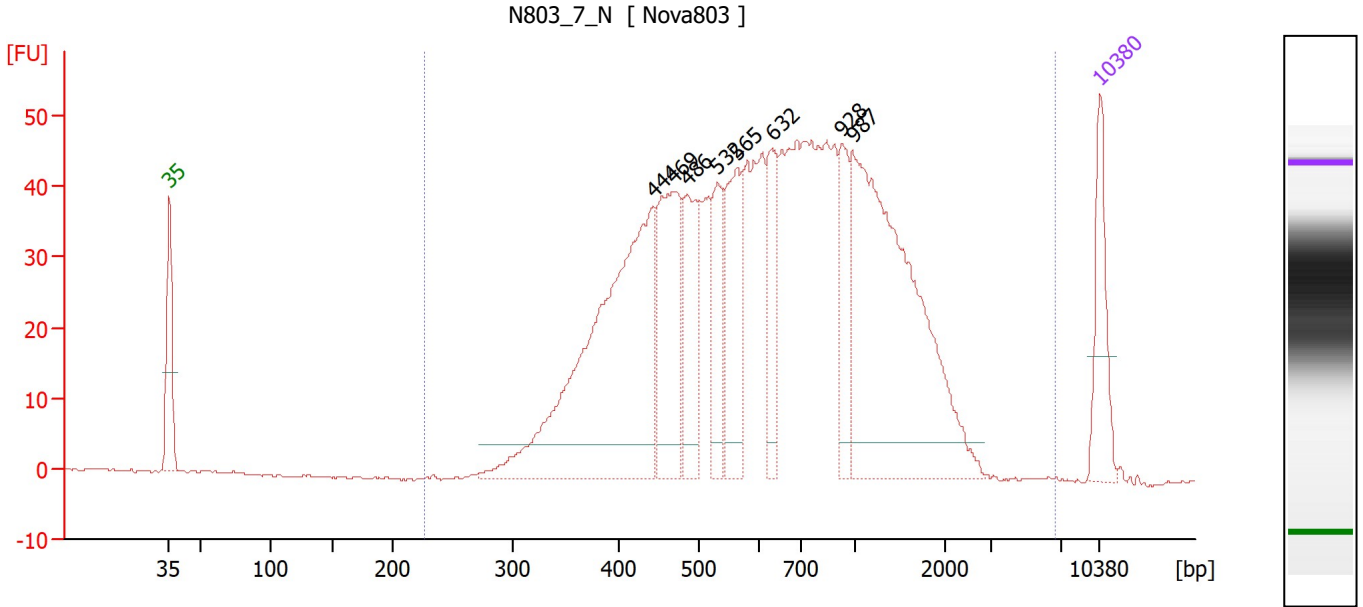
**Region table for sample 5 : N803\_6\_M**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	6,924	2,694.1	99	1,085	62.0	4,381.98	9,084.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : N803\_7\_N**

Number of peaks found: 8                      Corr. Area 1: 1,196.3  
 Noise: 0.2

**Peak table for sample 6 : N803\_7\_N**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	444	594.07	2,028.8	
3	469	205.78	665.5	
4	486	127.45	397.2	
5	532	104.71	298.0	
6	565	143.10	383.6	
7	632	87.47	209.6	
8	928	83.86	136.9	
9	987	504.79	774.6	
10	10,380	75.00	10.9	Upper Marker

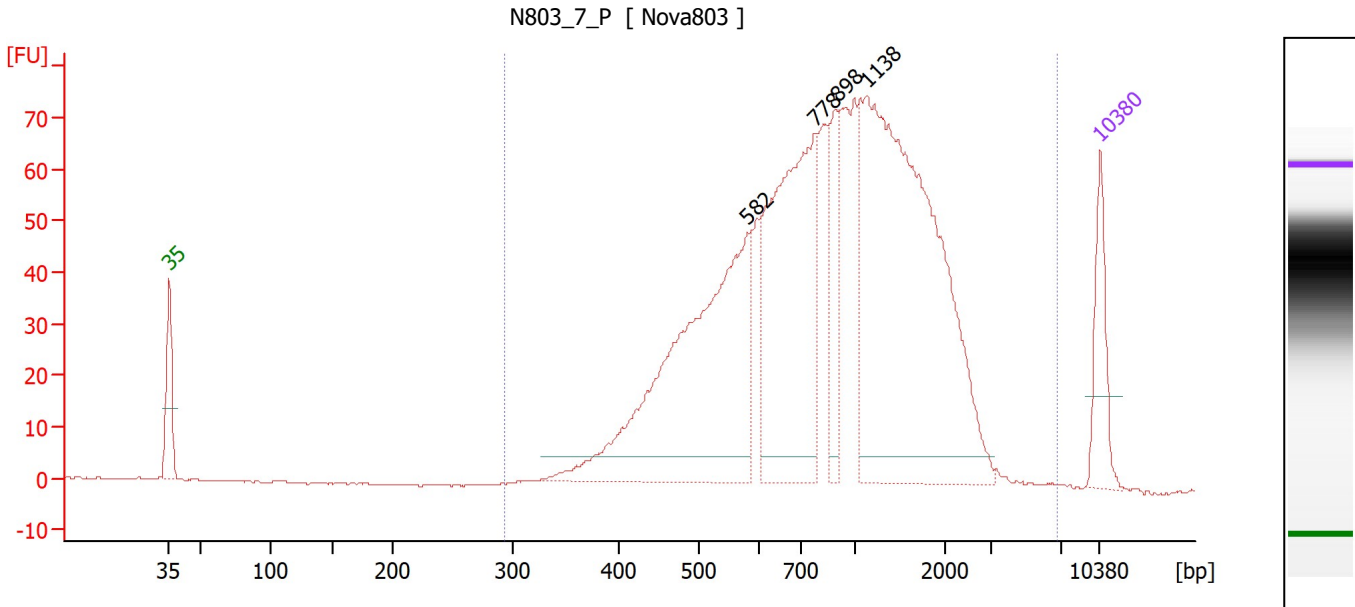
**Region table for sample 6 : N803\_7\_N**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
227	6,663	1,196.3	99	798	62.9	2,667.59	6,880.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : N803 7 P**

Number of peaks found: 4                      Corr. Area 1: 1,376.0  
 Noise: 0.2

**Peak table for sample 7 : N803 7 P**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	582	633.85	1,649.5	
3	778	512.28	997.8	
4	898	107.53	181.4	
5	1,138	820.19	1,092.2	
6	10,380	75.00	10.9	Upper Marker

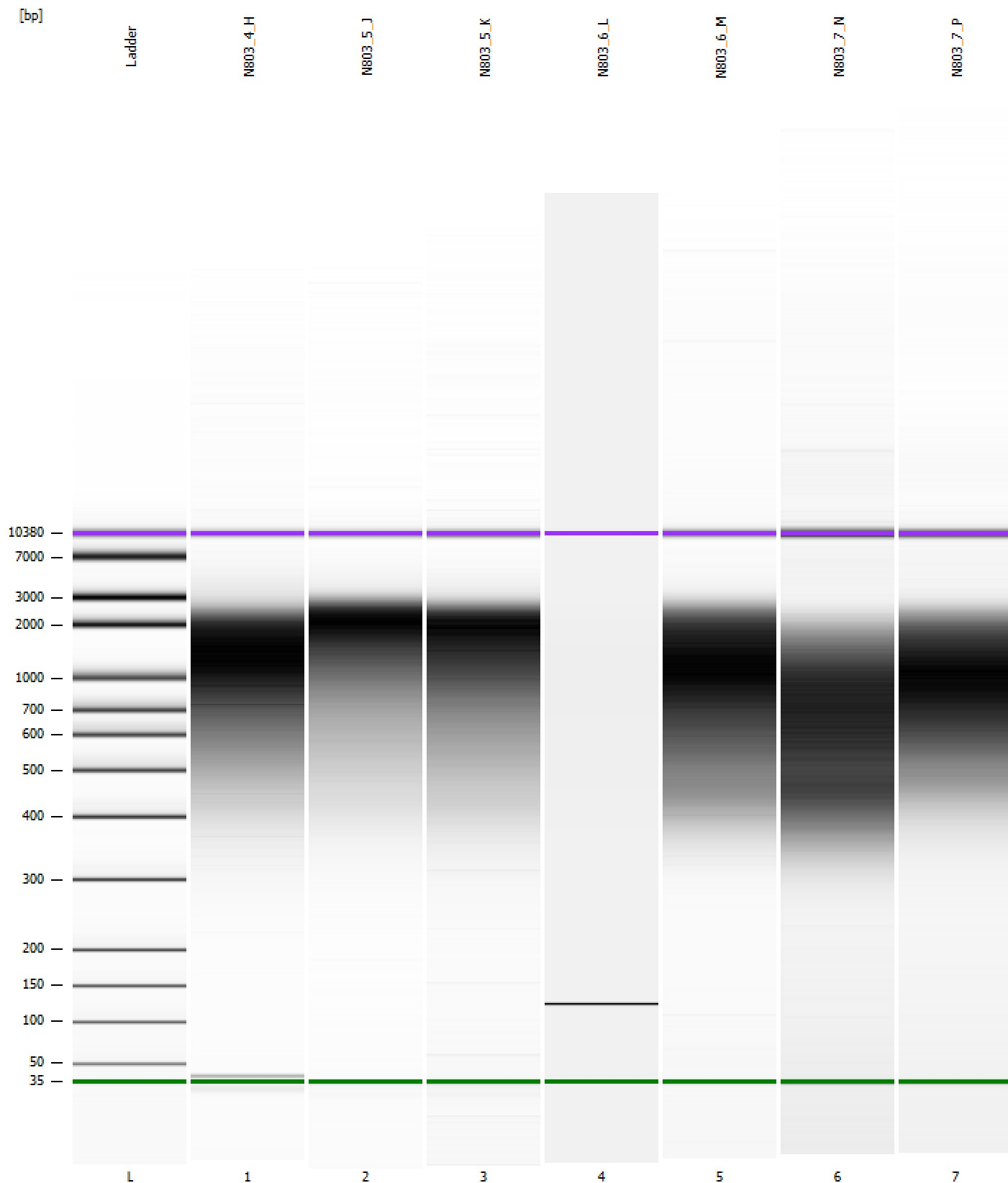
**Region table for sample 7 : N803 7 P**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
293	6,799	1,376.0	100	1,047	58.3	2,539.05	5,073.8	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
Modified: 6/8/2023 11:46:31 AM

**Gel Image**

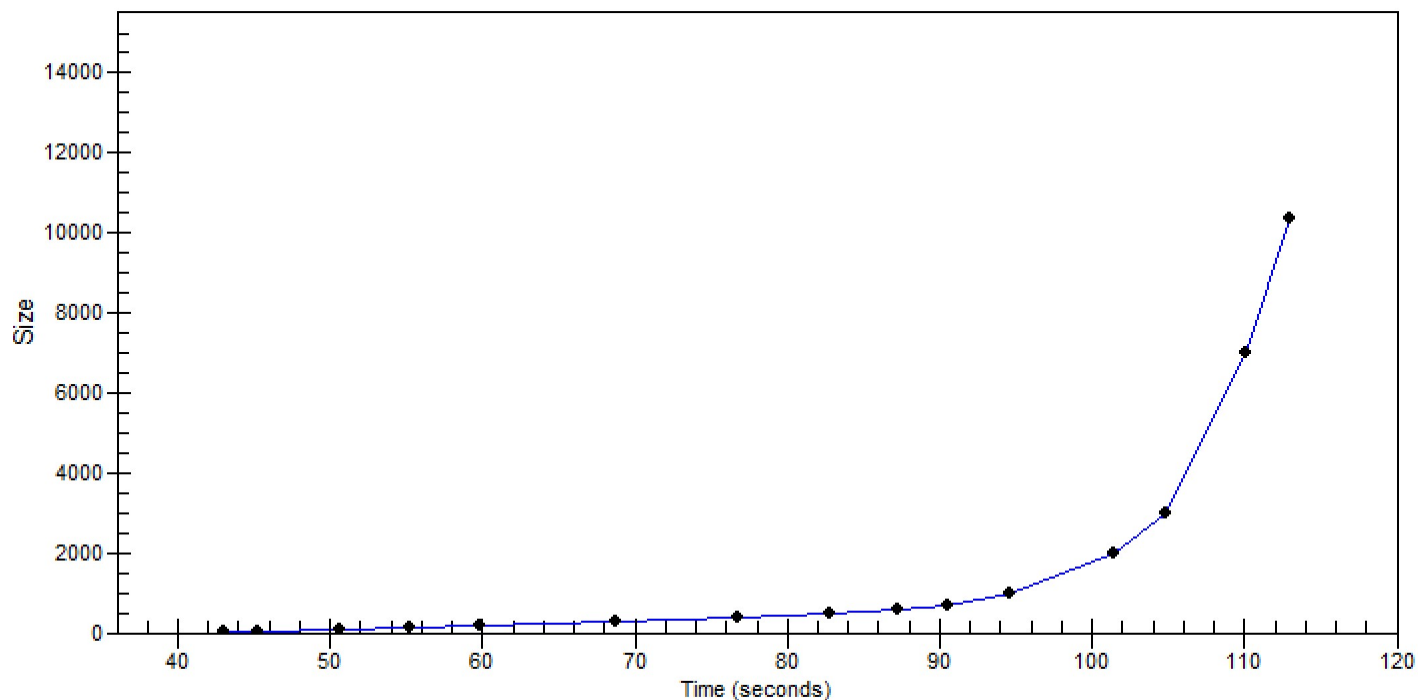


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
Modified: 6/8/2023 11:46:31 AM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\N803\_BioA\_2.xad

Created: 6/8/2023 10:08:54 AM  
 Modified: 6/8/2023 11:46:31 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		6/8/2023 10:50:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-08\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-08_001.xad)		Instrument	Run		6/8/2023 10:09:00 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/8/2023 10:09:00 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/8/2023 10:09:00 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/8/2023 10:09:00 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/8/2023 10:09:00 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/8/2023 10:09:00 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/8/2023 10:09:00 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB