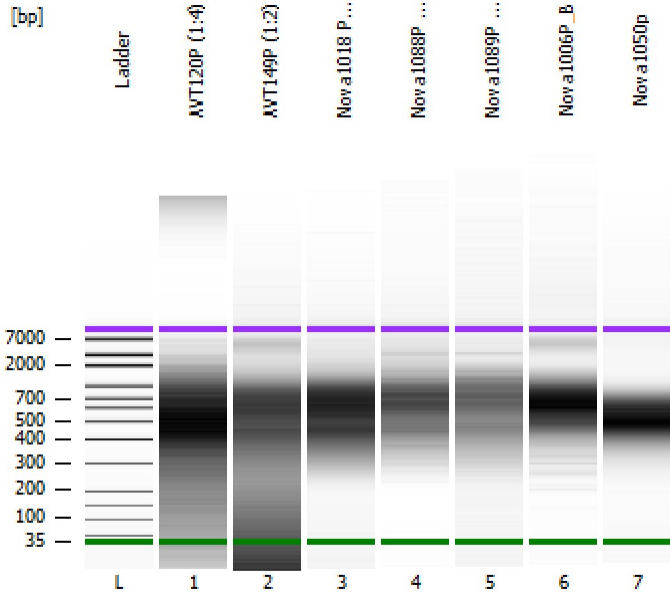


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
Modified: 5/2/2024 6:48:59 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

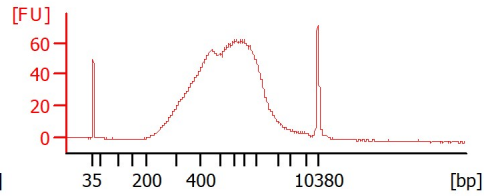
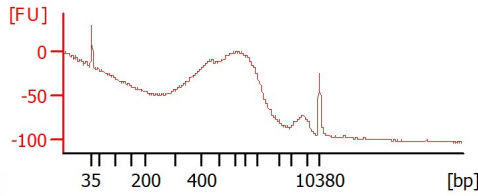
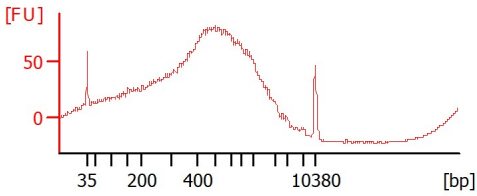
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

AVT120P (1:4)

AVT149P (1:2)

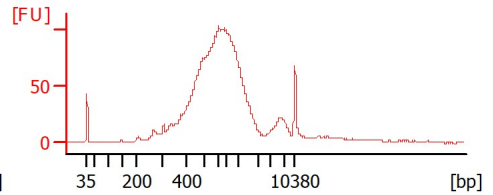
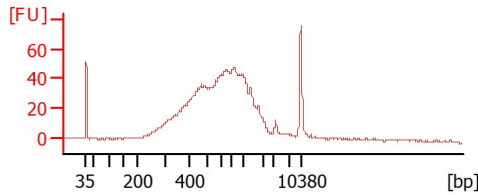
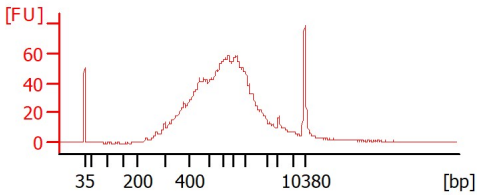
Nova1018 P (1:2)



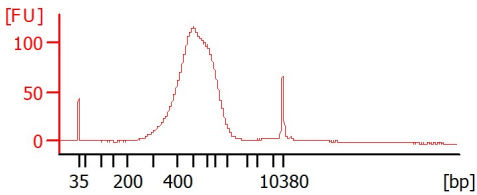
Nova1088P (1:3)

Nova1089P (1:3)

Nova1006P_B



Nova1050p



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
AVT120P (1:4)		<input type="checkbox"/>		✓		
AVT149P (1:2)		<input type="checkbox"/>		✓		
Nova1018 P (1:2)		<input type="checkbox"/>		✓		
Nova1088P (1:3)		<input type="checkbox"/>		✓		
Nova1089P (1:3)		<input type="checkbox"/>		✓		
Nova1006P_B		<input type="checkbox"/>		✓		
Nova1050p		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
Modified: 5/2/2024 6:48:59 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

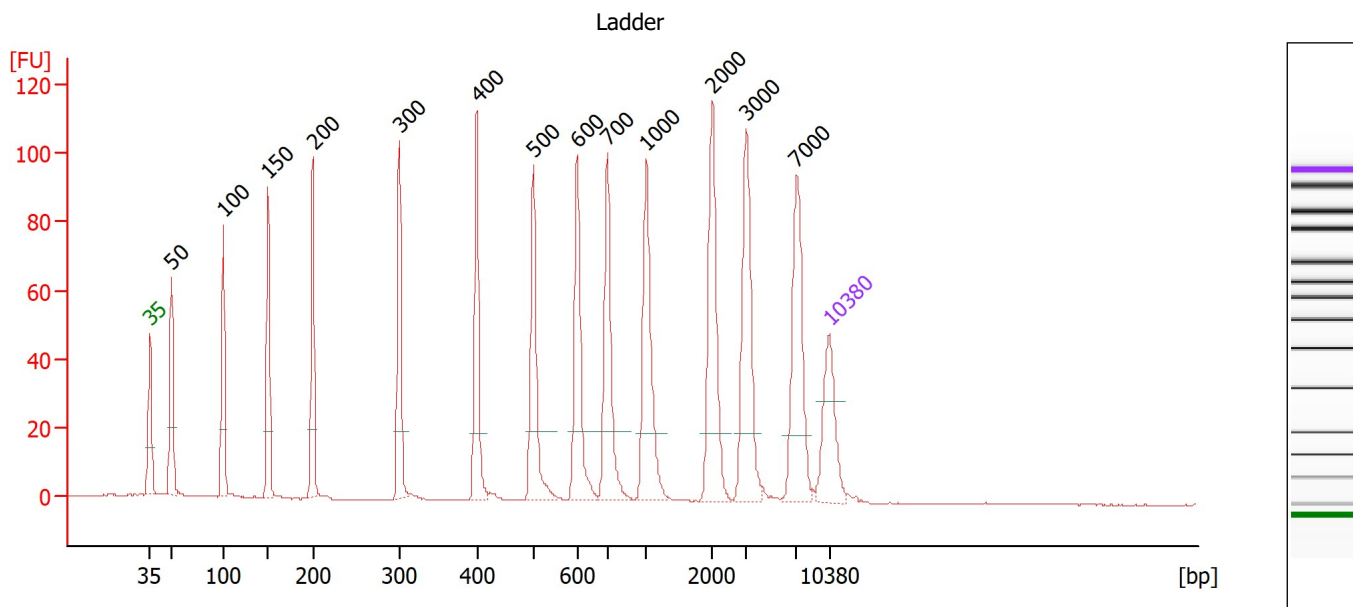
Ladder

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:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

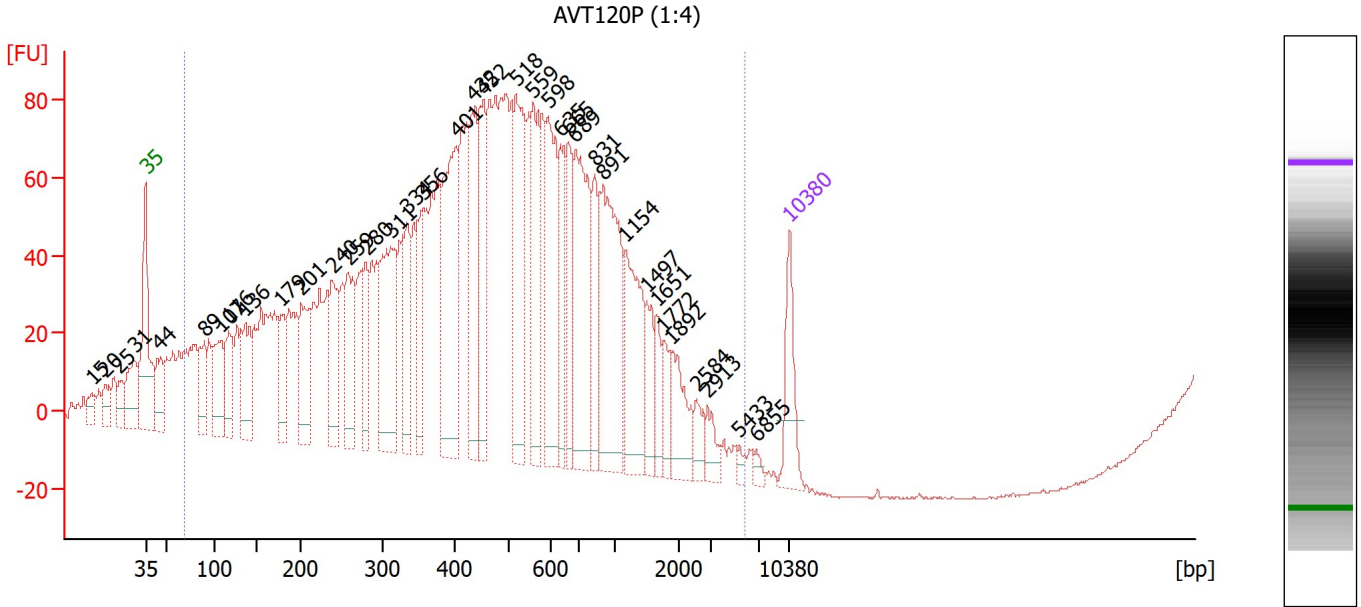
Peak table for Ladder

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:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : AVT120P (1:4)

Number of peaks found: 37 Corr. Area 1: 2,849.9
 Noise: 0.3

Peak table for sample 1 : AVT120P (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	15	0.00	0.0	
2	20	0.00	0.0	
3	25	0.00	0.0	
4	31	0.00	0.0	
5	35	125.00	5,411.3	Lower Marker
6	44	102.65	3,526.5	
7	89	95.74	1,635.7	
8	107	148.39	2,100.6	
9	116	108.93	1,417.2	
10	136	160.96	1,794.1	
11	179	98.18	832.6	
12	201	154.53	1,163.0	
13	240	135.71	858.5	
14	259	152.92	894.8	
15	280	101.63	549.3	
16	311	253.84	1,235.3	
17	334	143.23	649.9	
18	356	111.92	476.7	
19	401	325.35	1,228.7	
20	432	186.60	654.4	
21	452	177.50	595.0	
22	518	242.41	709.4	
23	559	185.02	501.6	
24	598	211.23	535.6	
25	635	117.24	279.6	
26	665	109.83	250.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : AVT120P (1:4)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	689	271.22	596.4	
28	831	104.96	191.5	
29	891	279.19	474.6	
30	1,154	163.43	214.6	
31	1,497	57.37	58.1	
32	1,651	41.16	37.8	
33	1,772	38.04	32.5	
34	1,892	80.14	64.2	
35	2,584	27.98	16.4	
36	2,913	29.55	15.4	
37	5,433	8.71	2.4	
38	6,855	9.74	2.2	
39	▶ 10,380	75.00	10.9	Upper Marker

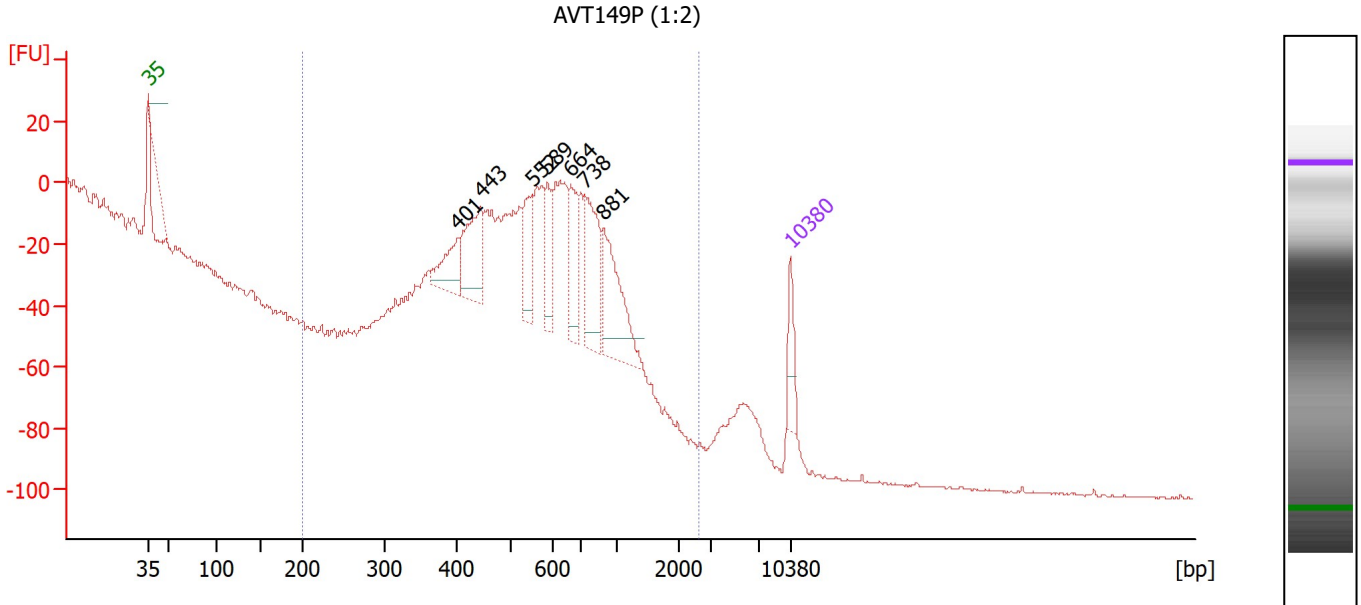
Region table for sample 1 : AVT120P (1:4)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
68	5,824	2,849.9	95	520	63.1	5,273.44	27,943.3	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AVT149P (1:2)

Number of peaks found: 7 Corr. Area 1: 752.8
 Noise: 0.4

Peak table for sample 2 : AVT149P (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	401	130.50	493.5	
3	443	233.54	799.6	
4	552	136.00	373.3	
5	589	108.81	279.8	
6	664	157.48	359.2	
7	738	245.28	503.5	
8	881	269.07	462.6	
9	10,380	75.00	10.9	Upper Marker

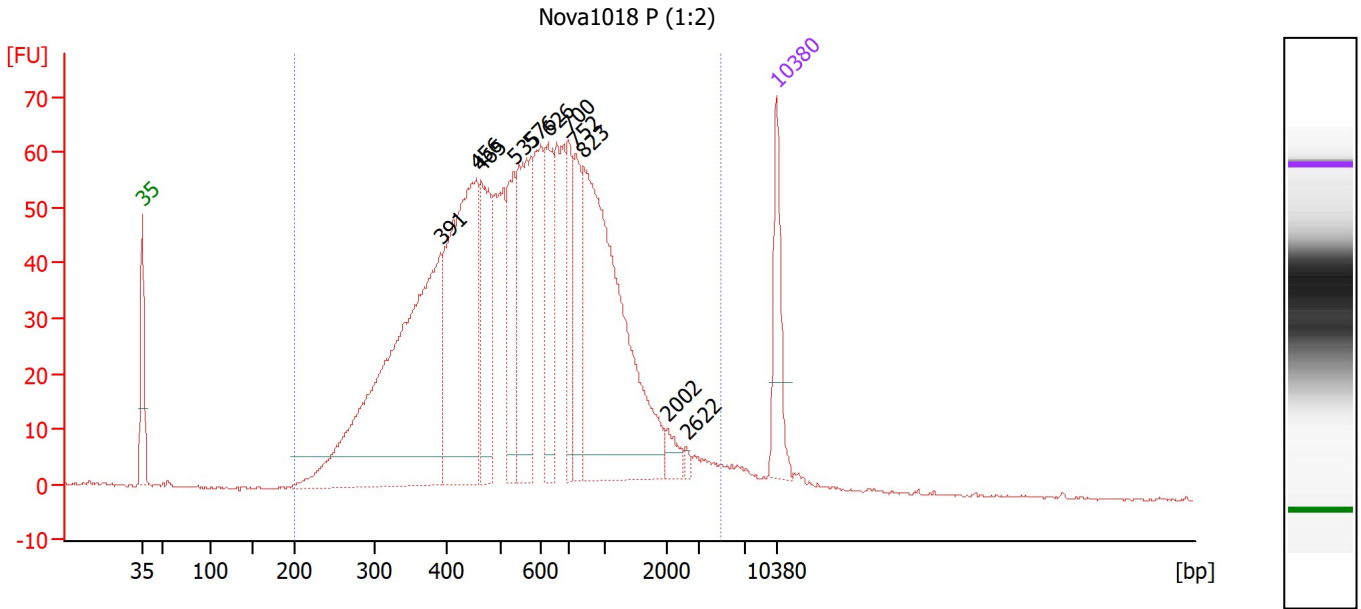
Region table for sample 2 : AVT149P (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,613	752.8	99	617	27.9	2,150.65	5,787.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1018 P (1:2)

Number of peaks found: 11 Corr. Area 1: 1,747.9
 Noise: 0.2

Peak table for sample 3 : Nova1018 P (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	391	698.36	2,708.7	
3	456	453.42	1,506.6	
4	465	161.35	525.6	
5	535	126.53	358.6	
6	576	211.68	556.3	
7	626	107.60	260.3	
8	700	88.09	190.7	
9	752	101.01	203.4	
10	823	515.62	949.5	
11	2,002	18.85	14.3	
12	2,622	5.30	3.1	
13	10,380	75.00	10.9	Upper Marker

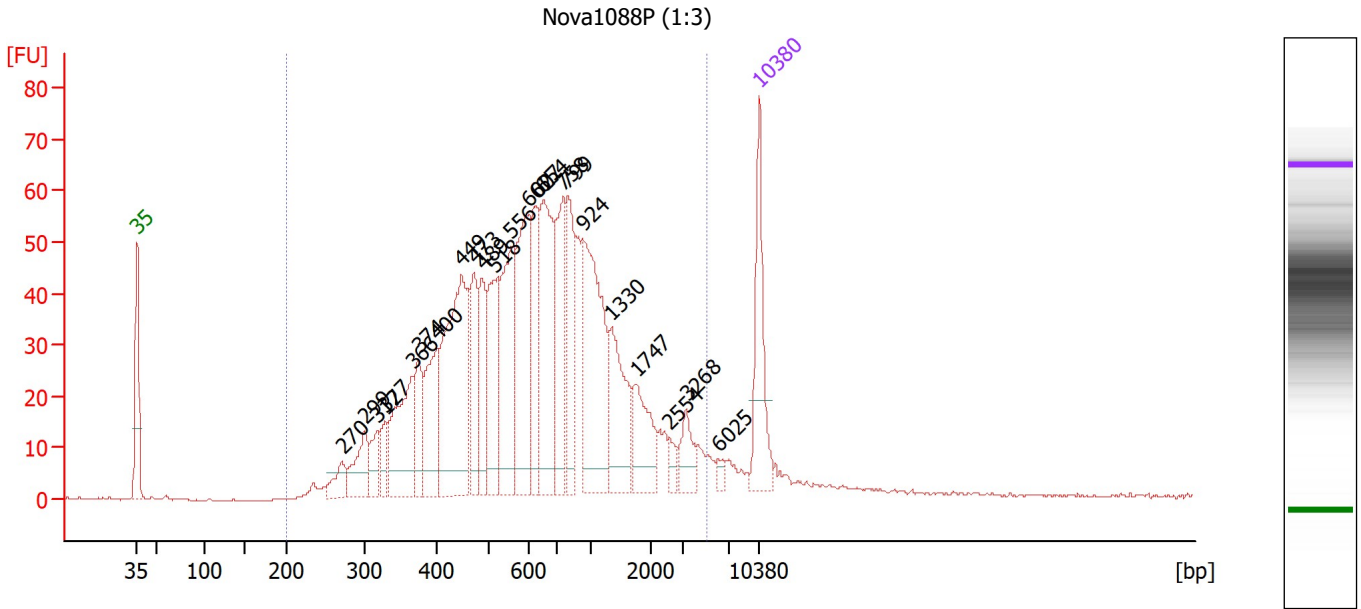
Region table for sample 3 : Nova1018 P (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	4,998	1,747.9	98	703	73.7	3,155.39	9,598.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1088P (1:3)

Number of peaks found: 23 Corr. Area 1: 1,409.9
 Noise: 0.2

Peak table for sample 4 : Nova1088P (1:3)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	270	29.53	165.7	
3	299	53.42	270.9	
4	317	32.80	156.9	
5	327	25.86	119.7	
6	366	116.47	482.6	
7	374	53.98	218.7	
8	400	92.36	349.5	
9	449	233.10	786.8	
10	473	71.86	230.4	
11	489	74.46	230.7	
12	518	90.40	264.5	
13	556	131.23	357.4	
14	600	151.74	382.9	
15	627	75.71	182.9	
16	654	151.56	351.1	
17	758	99.99	199.8	
18	799	91.49	173.6	
19	924	178.82	293.1	
20	1,330	84.92	96.8	
21	1,747	55.68	48.3	
22	2,554	11.12	6.6	
23	3,268	26.88	12.5	
24	6,025	6.00	1.5	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...

... Region table for sample 4 :

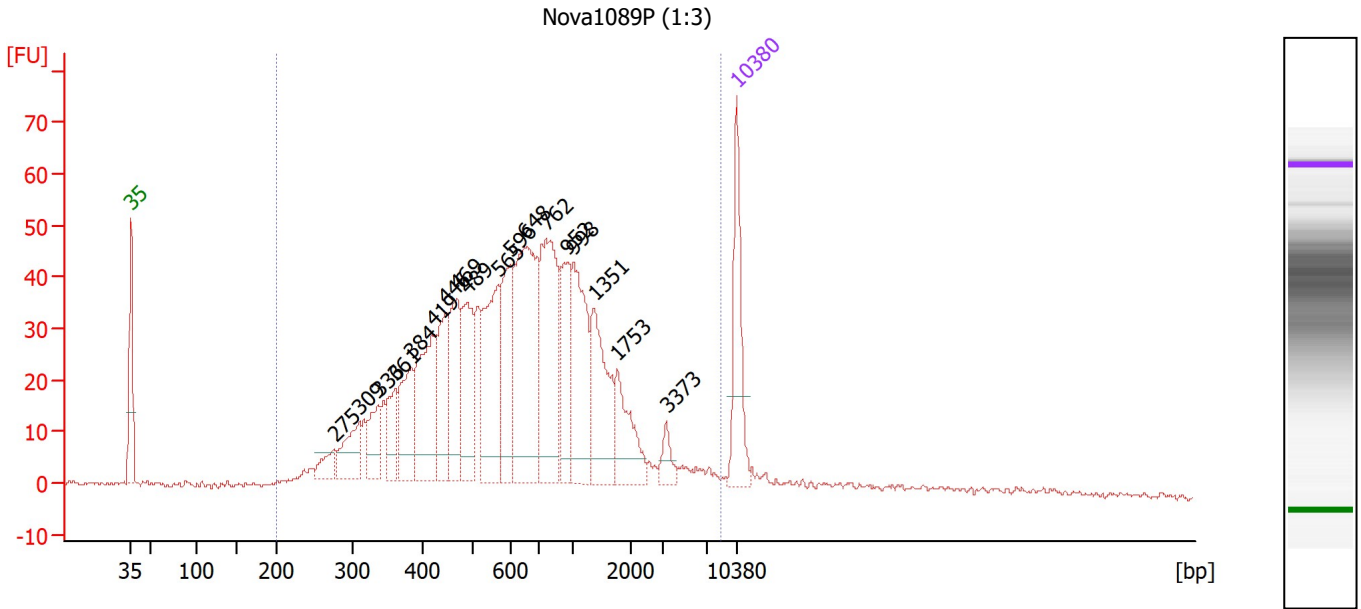
Nova1088P (1:3)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	5,135	1,409.9	97	838	81.9	2,132.25	5,845.2	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova1089P (1:3)

Number of peaks found: 18 Corr. Area 1: 1,245.1
 Noise: 0.5

Peak table for sample 5 : Nova1089P (1:3)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	275	25.77	142.2	
3	309	58.60	287.8	
4	336	47.75	215.6	
5	361	47.71	200.2	
6	384	81.17	320.0	
7	419	129.47	468.3	
8	446	83.52	283.5	
9	469	97.93	316.6	
10	489	100.31	311.0	
11	565	136.63	366.5	
12	596	92.07	233.9	
13	648	221.28	517.5	
14	762	171.23	340.3	
15	952	71.89	114.5	
16	998	115.15	174.9	
17	1,351	98.08	110.0	
18	1,753	58.03	50.2	
19	3,373	16.93	7.6	
20	10,380	75.00	10.9	Upper Marker

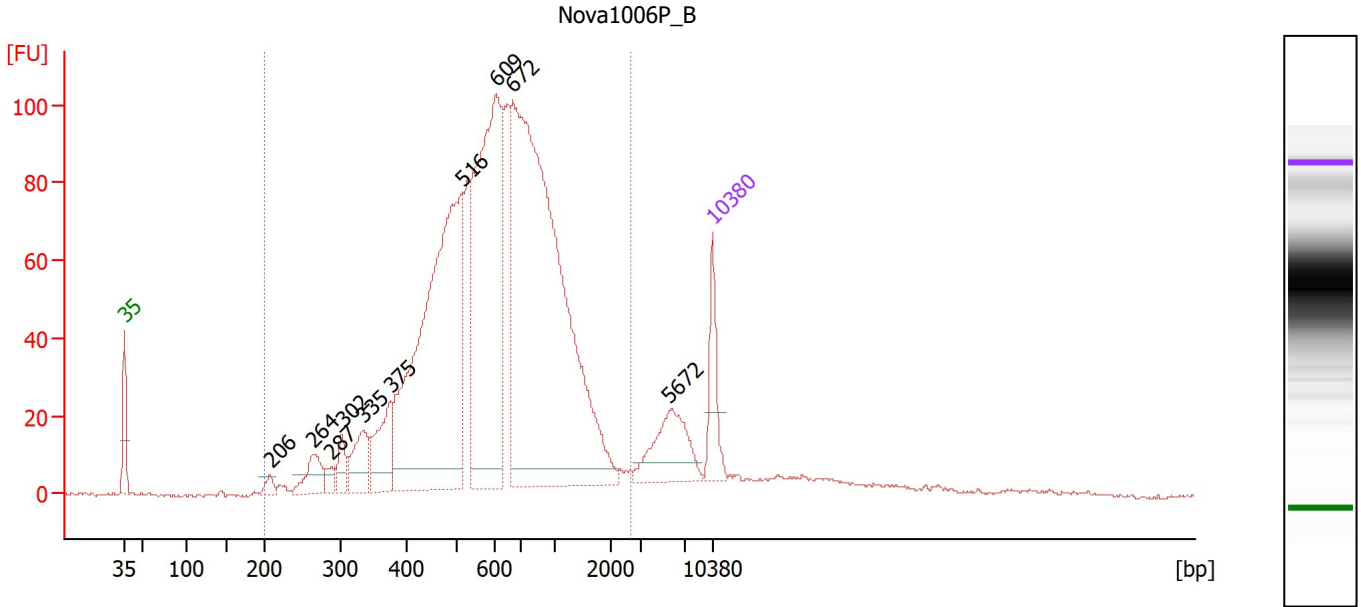
Region table for sample 5 : Nova1089P (1:3)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	8,497	1,245.1	95	897	100.0	1,939.63	5,405.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova1006P_B

Number of peaks found: 10 Corr. Area 1: 1,978.6
 Noise: 0.4

Peak table for sample 6 : Nova1006P_B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	206	24.96	183.3	
3	264	77.85	446.1	
4	287	25.28	133.4	
5	302	45.93	230.3	
6	335	94.13	425.9	
7	375	126.94	512.3	
8	516	950.43	2,790.3	
9	609	699.60	1,740.6	
10	672	1,368.98	3,087.6	
11	5,672	122.79	32.8	
12	10,380	75.00	10.9	Upper Marker

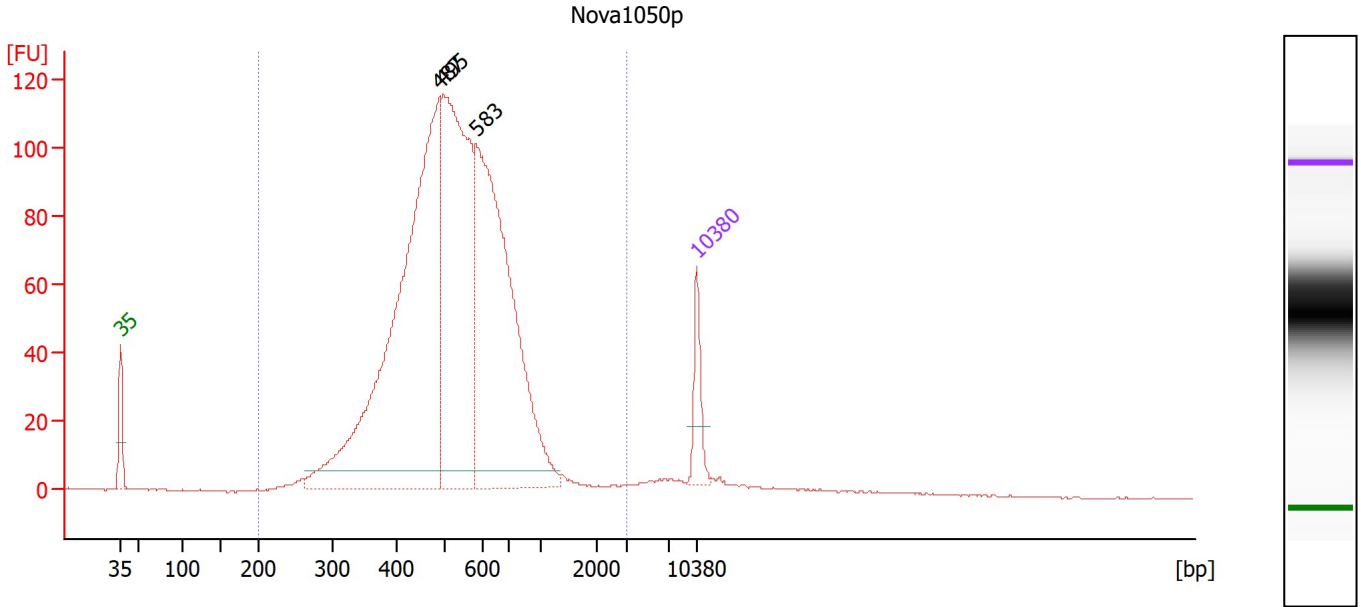
Region table for sample 6 : Nova1006P_B

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,682	1,978.6	91	704	49.7	3,826.10	10,467.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova1050p

Number of peaks found: 3 Corr. Area 1: 1,936.5
 Noise: 0.2

Peak table for sample 7 : Nova1050p

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	487	1,561.47	4,857.1	
3	495	996.47	3,050.8	
4	583	1,075.72	2,797.8	
5	10,380	75.00	10.9	Upper Marker

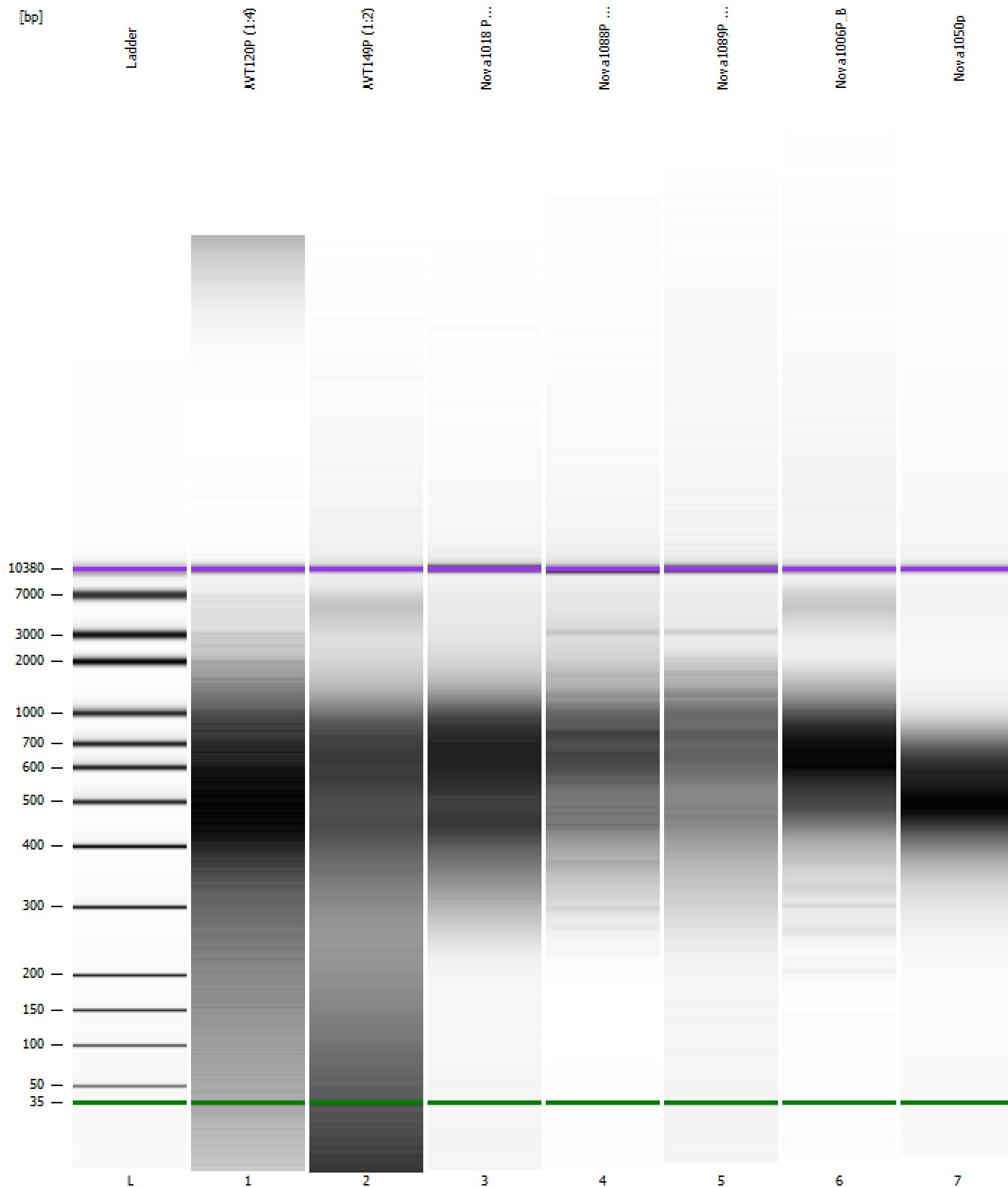
Region table for sample 7 : Nova1050p

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	3,083	1,936.5	97	557	40.1	3,806.78	11,651.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
Modified: 5/2/2024 6:48:59 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-05-02\SS Libs_QC.xad

Created: 5/2/2024 5:53:13 PM
 Modified: 5/2/2024 6:48:59 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		5/2/2024 6:34:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-05-02\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-05-02_001.xad)		Instrument	Run		5/2/2024 5:53:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/2/2024 5:53:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/2/2024 5:53:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/2/2024 5:53:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/2/2024 5:53:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/2/2024 5:53:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/2/2024 5:53:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB