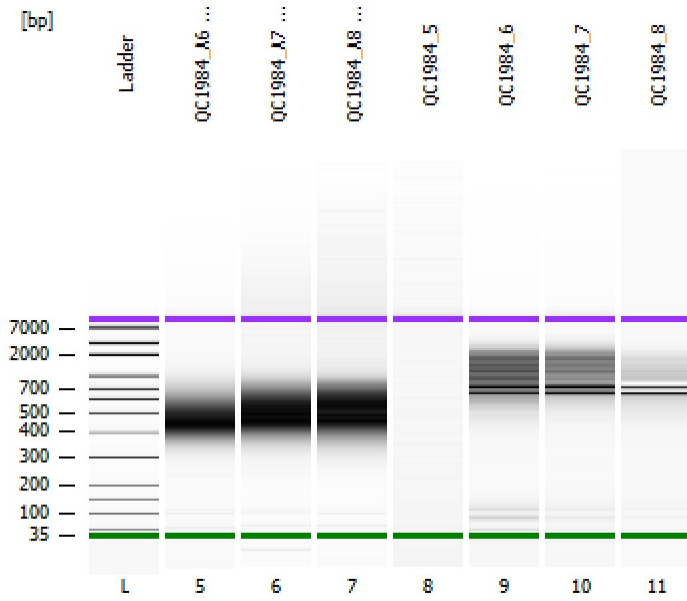


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
Modified: 9/30/2024 4:05:21 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

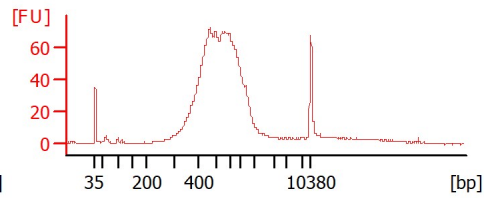
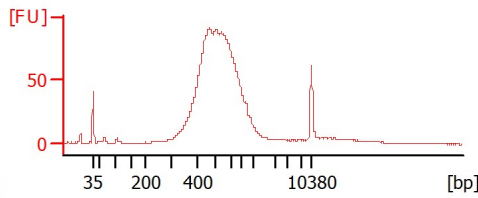
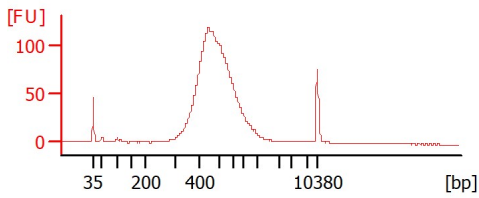
Chip Information:

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

QC1984\_A6 (1:10)

QC1984\_A7 (1:15)

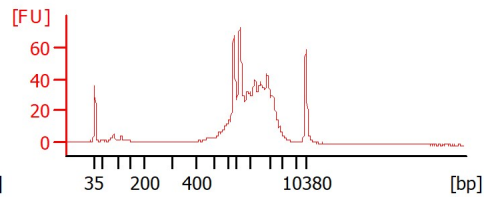
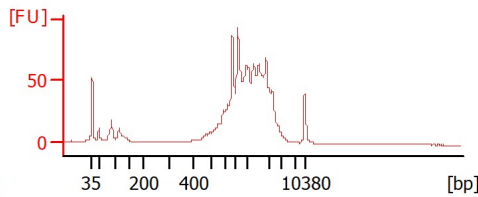
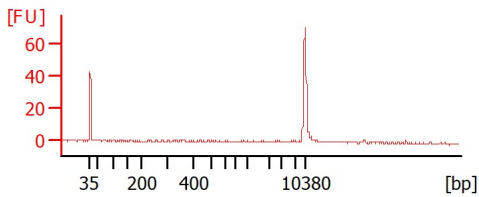
QC1984\_A8 (1:15)



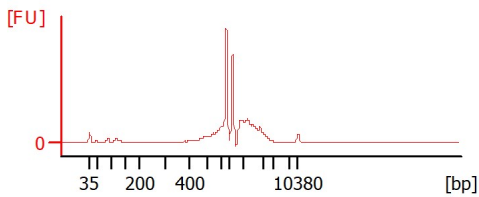
QC1984\_5

QC1984\_6

QC1984\_7



QC1984\_8



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
QC1984_A6 (1:10)		<input type="checkbox"/>		✓		
QC1984_A7 (1:15)		<input type="checkbox"/>		✓		
QC1984_A8 (1:15)		<input type="checkbox"/>		✓		
QC1984_5		<input type="checkbox"/>		✓		
QC1984_6		<input type="checkbox"/>		✓		
QC1984_7		<input type="checkbox"/>		✓		
QC1984_8		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
Modified: 9/30/2024 4:05:21 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/ $\mu$ 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

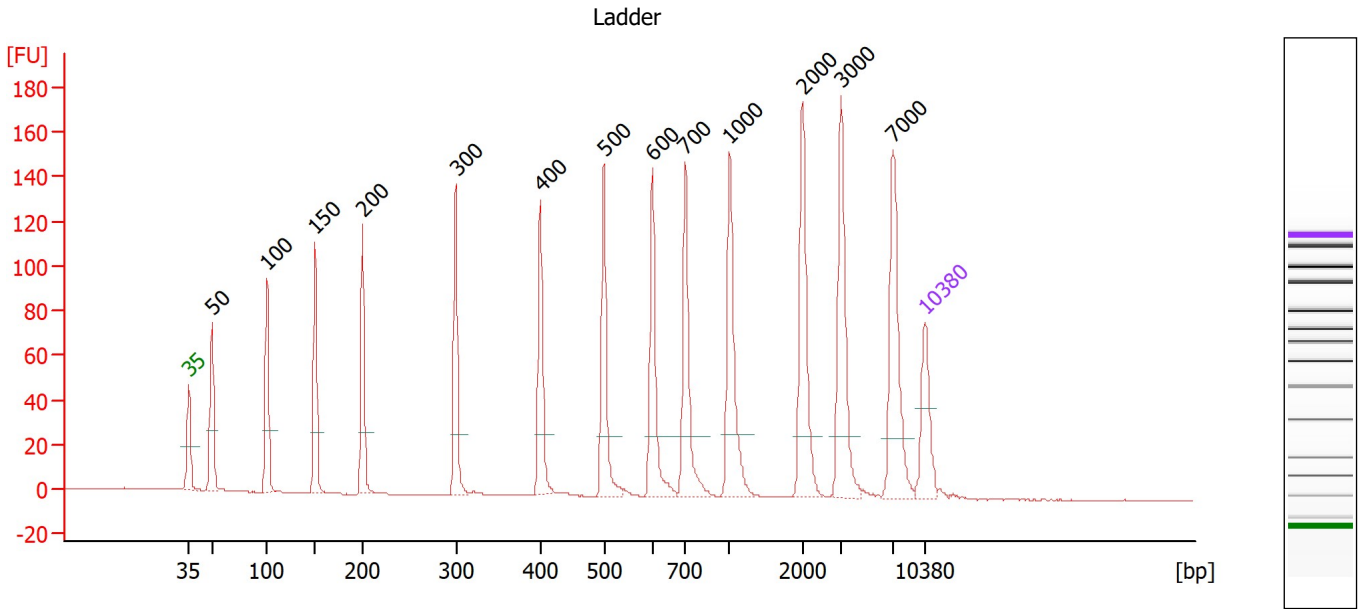
### Ladder

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:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

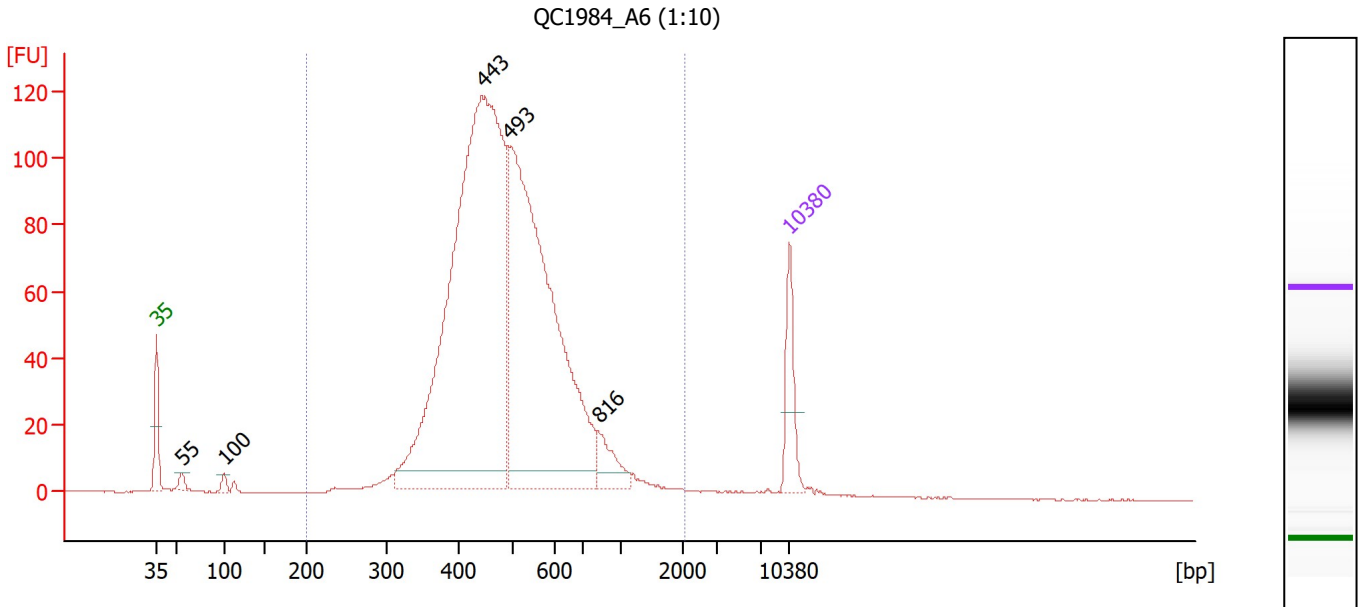
**Peak table for Ladder**

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:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : QC1984 A6 (1:10)**

Number of peaks found: 5                      Corr. Area 1: 1,749.9  
 Noise: 0.1

**Peak table for sample 5 : QC1984 A6 (1:10)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	18.54	508.8	
3	100	16.15	243.5	
4	443	1,554.98	5,315.4	
5	493	1,056.20	3,245.1	
6	816	59.56	110.6	
7	10,380	75.00	10.9	Upper Marker

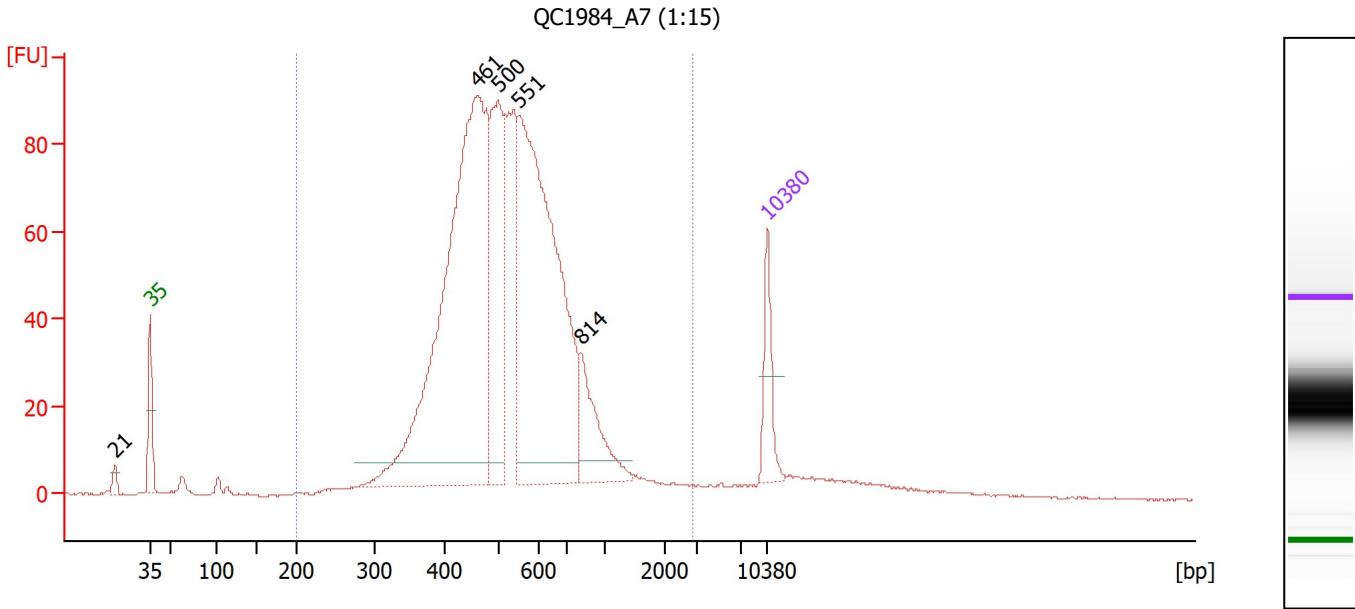
**Region table for sample 5 : QC1984 A6 (1:10)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,052	1,749.9	97	511	32.8	2,836.98	9,148.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : QC1984 A7 (1:15)**

Number of peaks found: 5                      Corr. Area 1: 1,575.0  
 Noise: 0.2

**Peak table for sample 6 : QC1984 A7 (1:15)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	21	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	461	1,293.53	4,254.1	
4	500	382.66	1,160.1	
5	551	953.11	2,621.7	
6	814	143.80	267.6	
7	10,380	75.00	10.9	Upper Marker

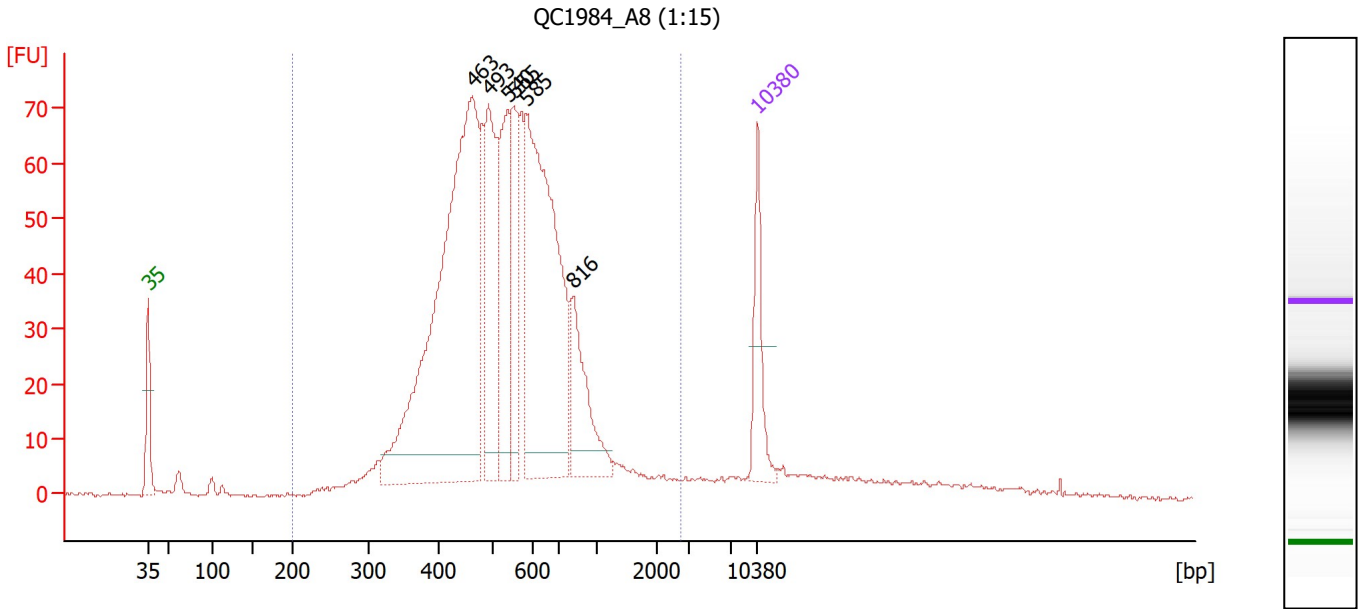
**Region table for sample 6 : QC1984 A7 (1:15)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,835	1,575.0	94	567	43.6	3,305.60	10,008.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : QC1984 A8 (1:15)**

Number of peaks found: 6                      Corr. Area 1: 1,319.4  
 Noise: 0.3

**Peak table for sample 7 : QC1984 A8 (1:15)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	463	881.27	2,885.8	
3	493	223.72	687.4	
4	540	192.97	541.3	
5	555	136.03	371.5	
6	585	522.62	1,352.9	
7	816	132.49	245.9	
8	10,380	75.00	10.9	Upper Marker

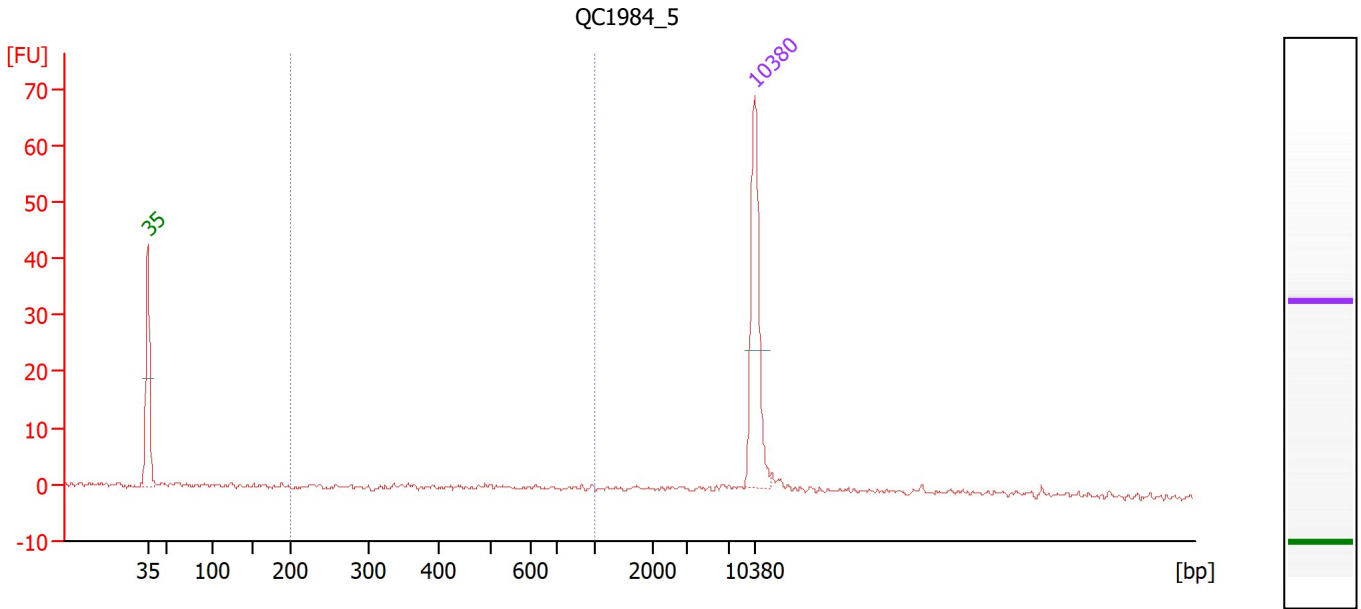
**Region table for sample 7 : QC1984 A8 (1:15)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,774	1,319.4	93	579	44.9	2,533.54	7,601.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1984\_5**

Number of peaks found: 0                      Corr. Area 1: 15.7  
 Noise: 0.4

**Peak table for sample 8 : QC1984\_5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

**Region table for sample 8 : QC1984\_5**

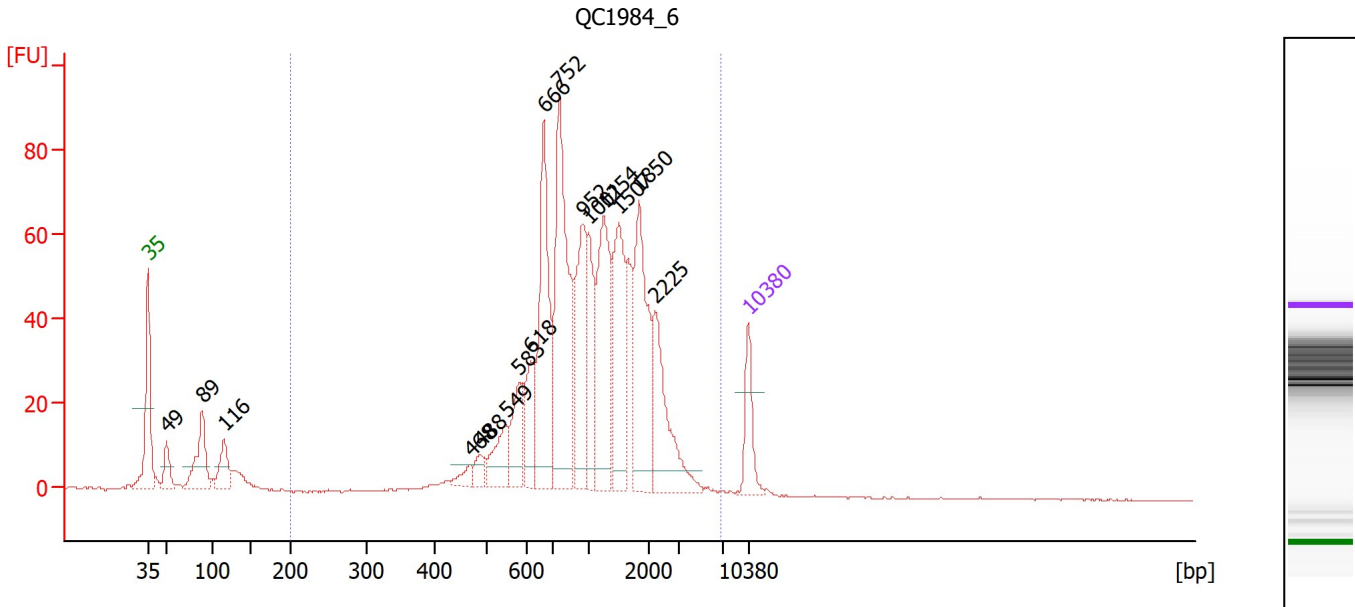
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	15.7	31	496	39.7	25.85	98.7	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : QC1984\_6**

Number of peaks found: 16                      Corr. Area 1: 1,027.2  
 Noise: 0.1

**Peak table for sample 9 : QC1984\_6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	49	72.62	2,234.9	
3	89	178.40	3,043.1	
4	116	96.21	1,258.2	
5	468	25.26	81.7	
6	488	34.82	108.1	
7	549	90.53	249.8	
8	583	96.08	249.8	
9	618	101.05	247.6	
10	666	348.94	794.0	
11	752	465.42	937.5	
12	952	229.75	365.7	
13	1,001	144.24	218.2	
14	1,254	269.28	325.3	
15	1,507	225.27	226.5	
16	1,850	264.18	216.4	
17	2,225	192.10	130.8	
18	10,380	75.00	10.9	Upper Marker

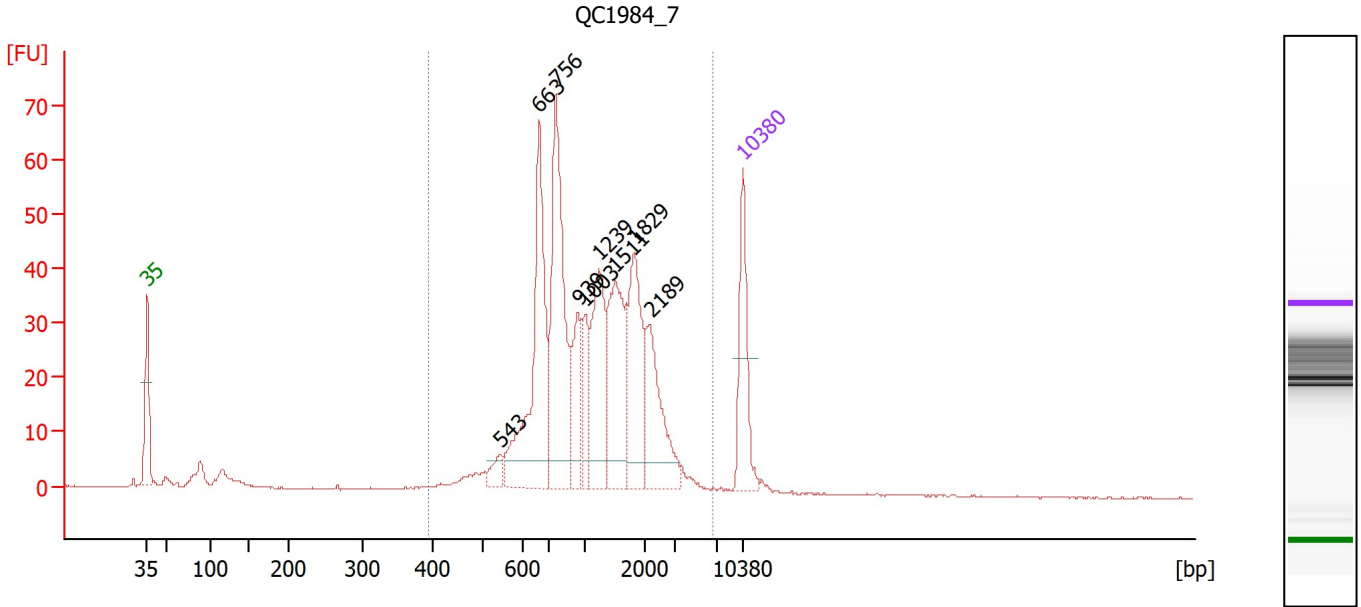
**Region table for sample 9 : QC1984\_6**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,914	1,027.2	91	1,231	55.9	2,757.23	4,575.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : QC1984\_7**

Number of peaks found: 9      Corr. Area 1: 637.8  
 Noise: 0.1

**Peak table for sample 10 : QC1984\_7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	543	17.96	50.2	
3	663	233.47	533.4	
4	756	221.18	443.4	
5	939	66.62	107.5	
6	1,003	45.15	68.2	
7	1,239	113.38	138.7	
8	1,511	124.45	124.8	
9	1,829	110.97	91.9	
10	2,189	89.98	62.3	
11	10,380	75.00	10.9	Upper Marker

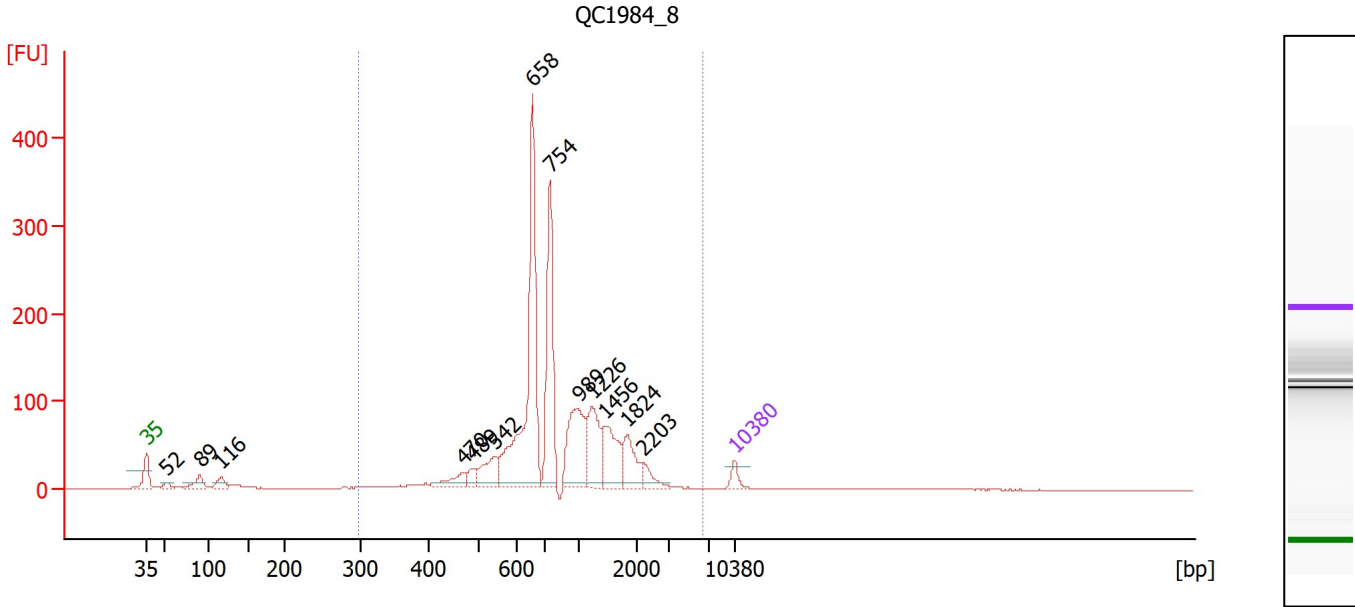
**Region table for sample 10 : QC1984\_7**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
394	6,508	637.8	94	1,268	55.1	1,092.04	1,740.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : QC1984\_8**

Number of peaks found: 13                      Corr. Area 1: 1,738.1  
 Noise: 0.1

**Peak table for sample 11 : QC1984\_8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	52	68.04	1,993.3	
3	89	167.12	2,833.6	
4	116	127.82	1,675.0	
5	470	184.18	594.0	
6	489	108.09	335.1	
7	542	303.92	850.3	
8	658	2,071.33	4,773.1	
9	754	1,108.44	2,227.4	
10	989	674.18	1,032.7	
11	1,226	472.50	583.9	
12	1,456	444.26	462.3	
13	1,824	294.50	244.6	
14	2,203	112.97	77.7	
15	10,380	75.00	10.9	Upper Marker

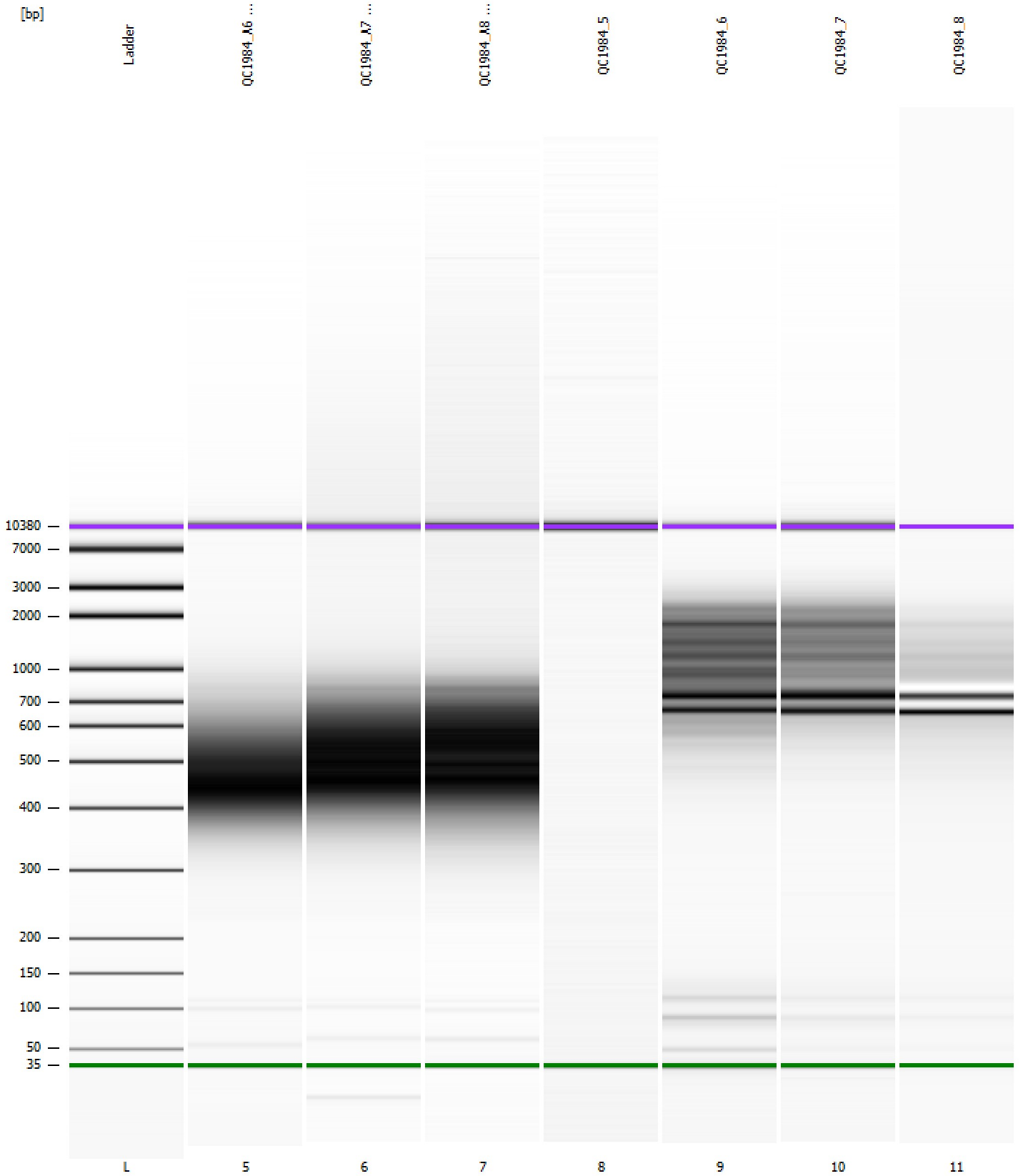
**Region table for sample 11 : QC1984\_8**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
298	6,384	1,738.1	94	967	55.6	6,155.41	12,342.9	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
Modified: 9/30/2024 4:05:21 PM

Gel Image



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2024-09-30\QC1984\_10-16.xad

Created: 9/30/2024 3:14:41 PM  
 Modified: 9/30/2024 4:05:21 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		9/30/2024 3:56:02 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\2024-09-30\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-09-30_001.xad)		Instrument	Run		9/30/2024 3:14:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/30/2024 3:14:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/30/2024 3:14:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/30/2024 3:14:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/30/2024 3:14:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/30/2024 3:14:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/30/2024 3:14:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB