

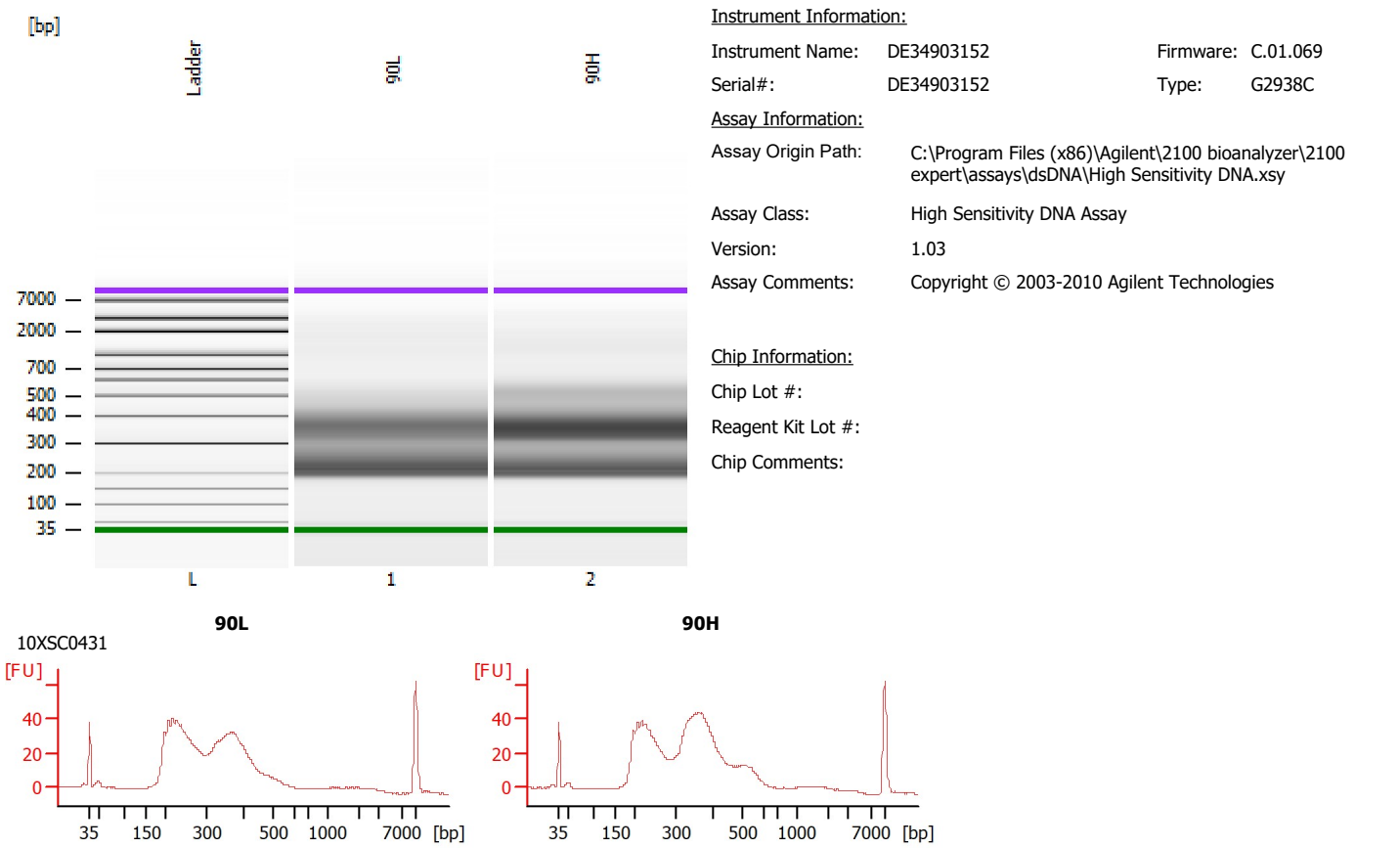
Assay Class: High Sensitivity DNA Assay

Data Path: C:\...nalyzer\2100 expert\data\2025-06-14\10XSC0431 LIBRARIES.xad

Created: 6/14/2025 12:15:16 PM

Modified: 6/14/2025 12:57:26 PM

Electrophoresis File Run Summary



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2100 expert\data\2025-06-14\10XSC0431 LIBRARIES.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
90L	10XSC0431	☐	✓			
90H		☐	✓			
Ladder		☐	✓			

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

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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

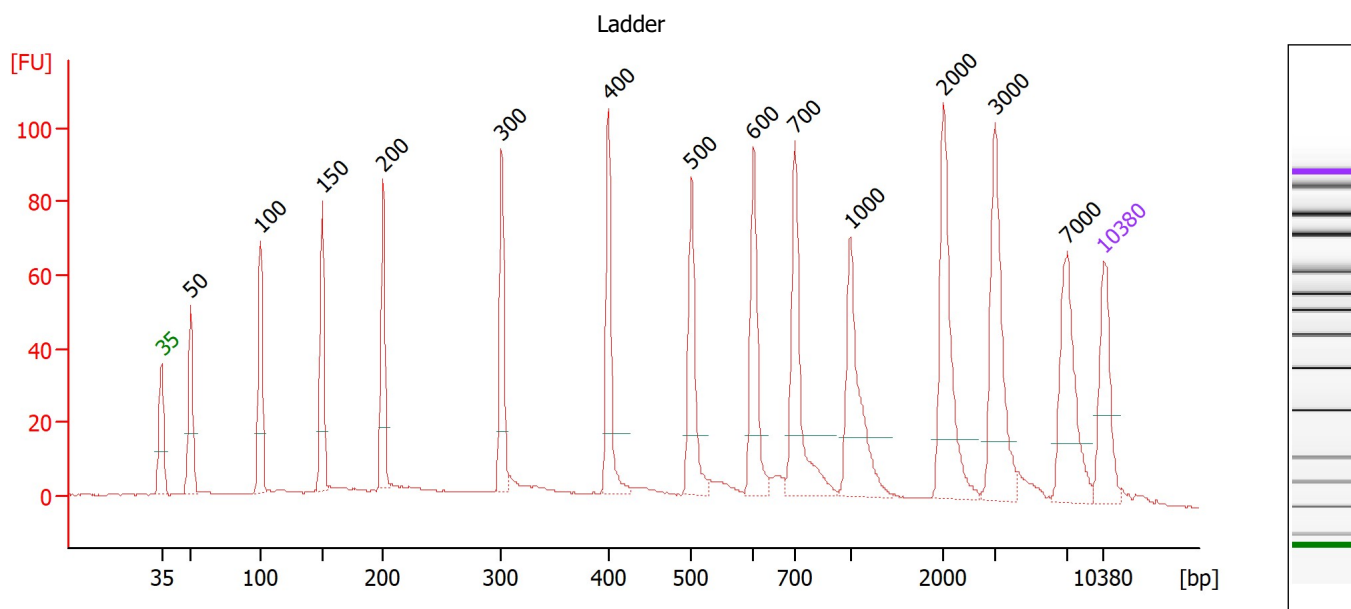
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

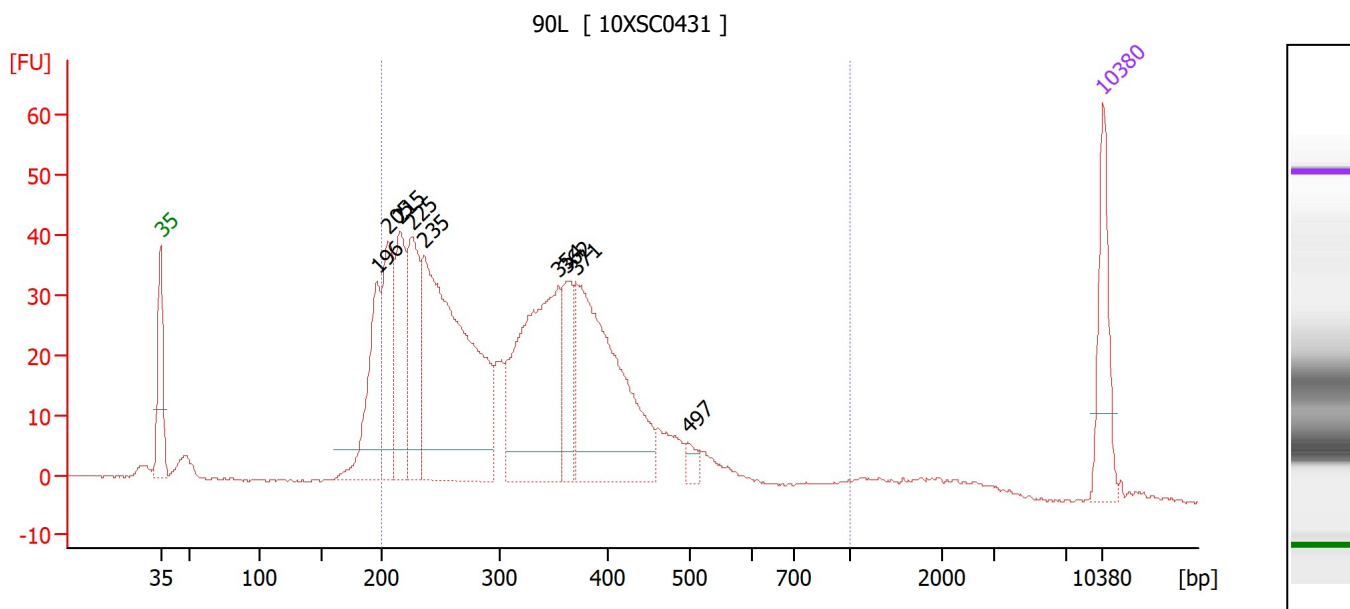
Peak table for Ladder

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

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 90L

Number of peaks found: 9 Corr. Area 1: 826.2
 Noise: 0.2

Peak table for sample 1 : 90L

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	196	165.04	1,277.4	
3	205	149.93	1,110.1	
4	215	146.68	1,034.0	
5	225	158.23	1,064.5	
6	235	568.67	3,658.8	
7	354	331.84	1,420.3	
8	362	76.22	319.2	
9	371	351.19	1,433.7	
10	497	16.07	49.0	
11	10,380	75.00	10.9	Upper Marker

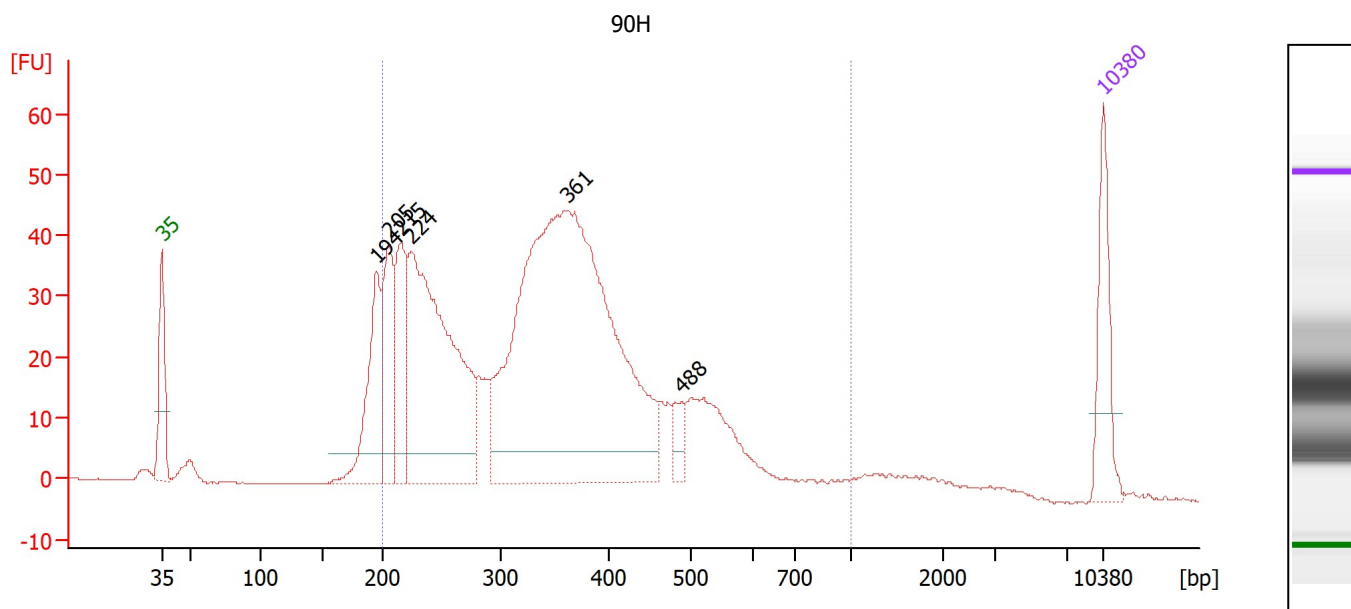
Region table for sample 1 : 90L

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	826.2	90	325	30.3	1,978.23	10,253.4	Blue

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 90H

Number of peaks found: 6 Corr. Area 1: 957.7
 Noise: 0.2

Peak table for sample 2 : 90H

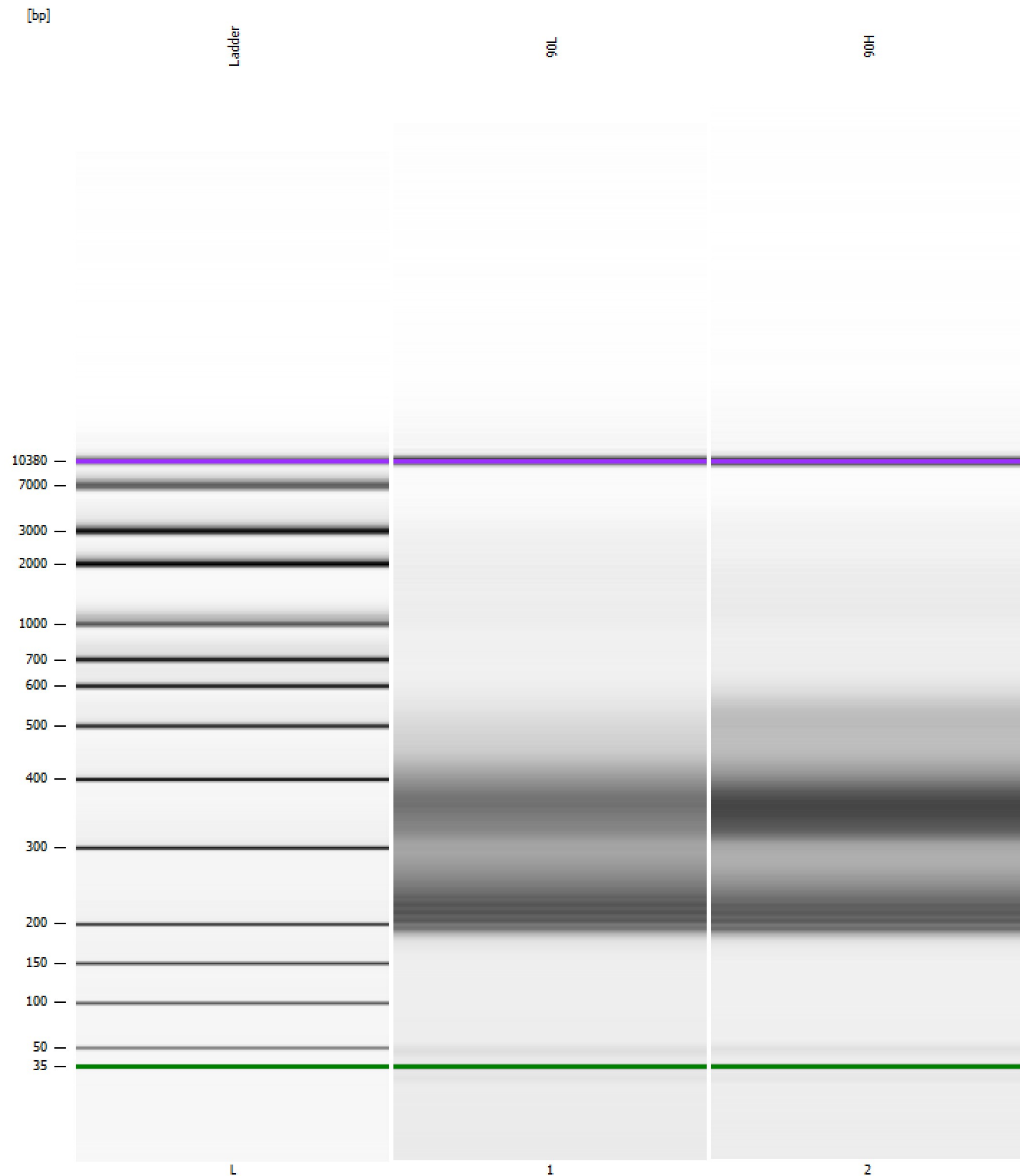
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	194	169.18	1,318.4	
3	205	135.37	1,001.9	
4	215	137.74	970.1	
5	224	535.86	3,631.0	
6	361	1,048.46	4,404.8	
7	488	30.08	93.4	
8	10,380	75.00	10.9	Upper Marker

Region table for sample 2 : 90H

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	957.7	90	351	31.9	2,166.12	10,611.4	Blue

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Gel Image

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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		6/14/2025 12:56:35 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\2025-06-14\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-06-14_001.xad)		Instrument	Run		6/14/2025 12:15:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/14/2025 12:15:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/14/2025 12:15:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/14/2025 12:15:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/14/2025 12:15:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/14/2025 12:15:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/14/2025 12:15:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB