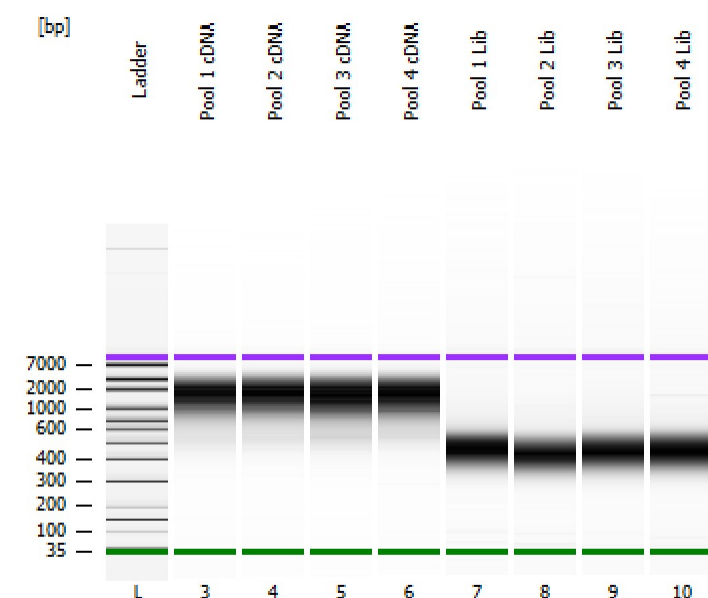


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 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

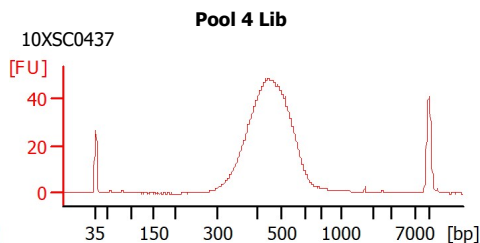
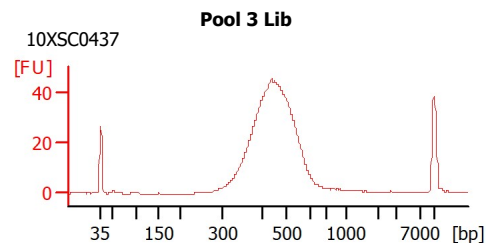
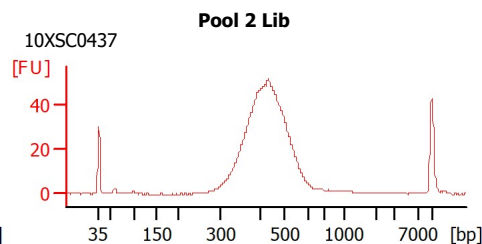
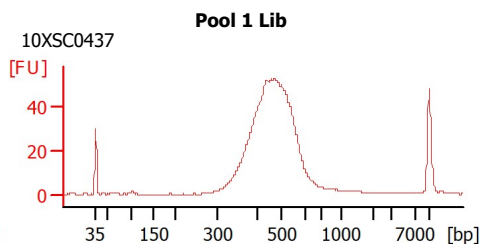
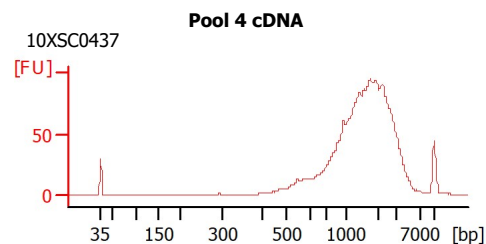
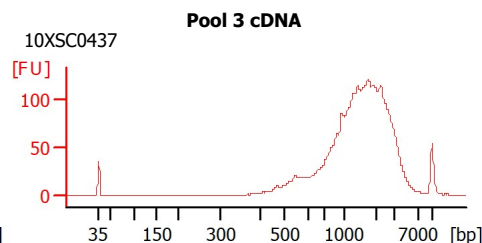
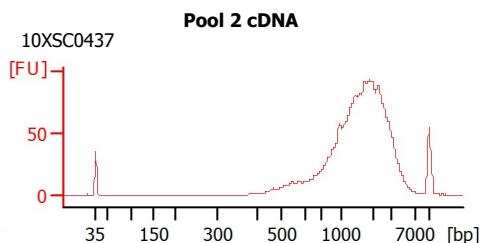
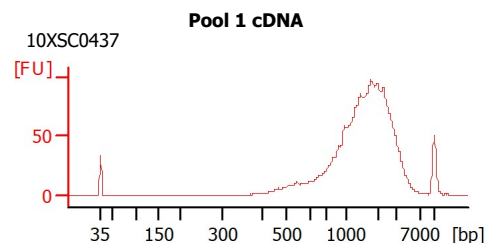
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
Pool 1 cDNA	10XSC0437	☐	✓			
Pool 2 cDNA	10XSC0437	☐	✓			
Pool 3 cDNA	10XSC0437	☐	✓			
Pool 4 cDNA	10XSC0437	☐	✓			
Pool 1 Lib	10XSC0437	☐	✓			
Pool 2 Lib	10XSC0437	☐	✓			
Pool 3 Lib	10XSC0437	☐	✓			
Pool 4 Lib	10XSC0437	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 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/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 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

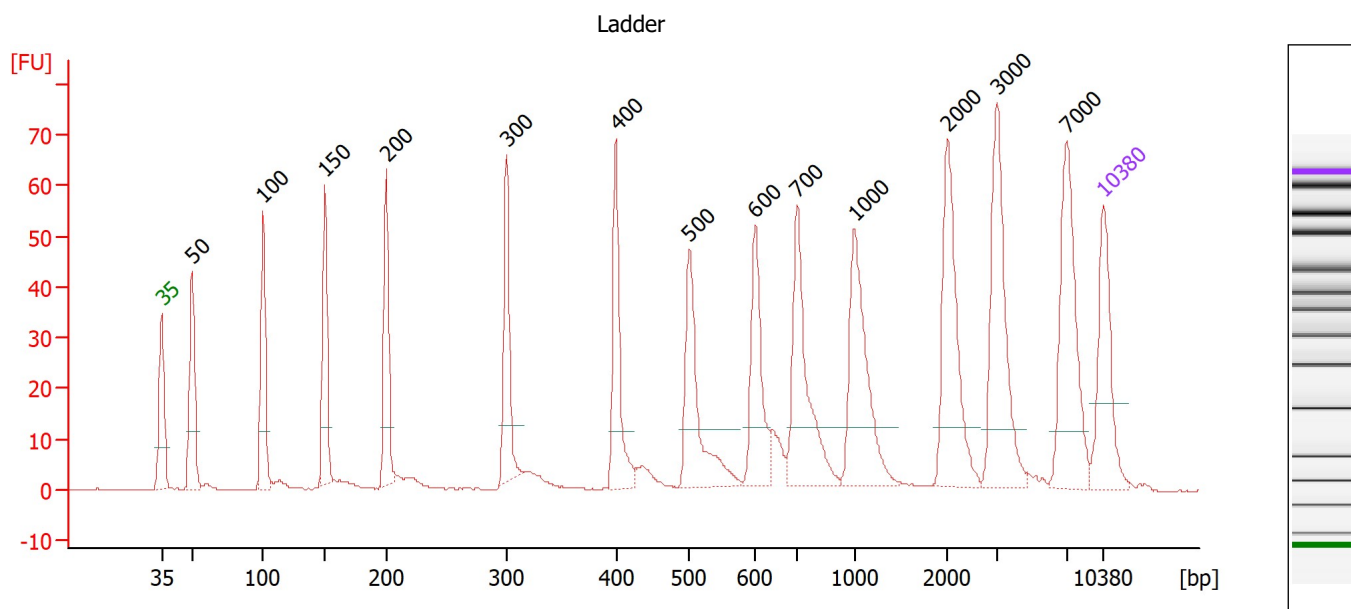
Ladder

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:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

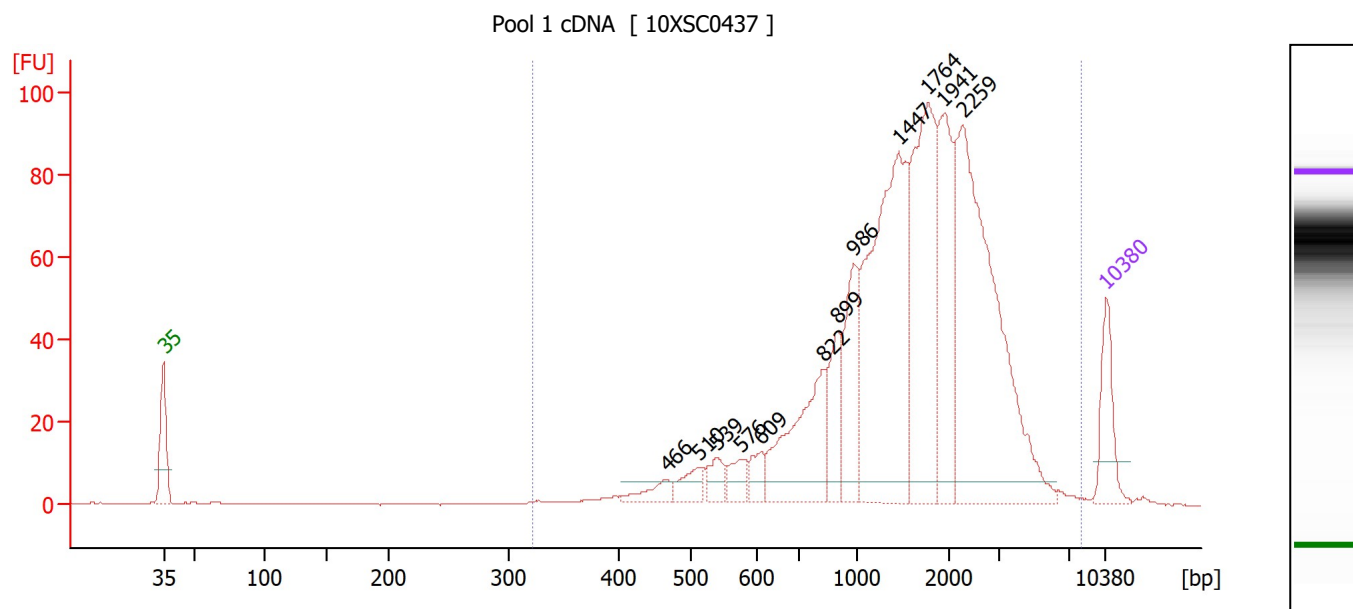
Peak table for Ladder

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:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
 Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Pool 1 cDNA

Number of peaks found: 12 Corr. Area 1: 1,152.3
 Noise: 0.1

Peak table for sample 3 : Pool 1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	466	32.07	104.4	
3	510	40.40	120.0	
4	539	35.76	100.5	
5	576	34.28	90.2	
6	609	33.46	83.2	
7	822	211.44	389.6	
8	899	91.00	153.3	
9	986	138.48	212.9	
10	1,447	497.03	520.6	
11	1,764	333.41	286.4	
12	1,941	203.35	158.7	
13	2,259	535.62	359.3	
14	10,380	75.00	10.9	Upper Marker

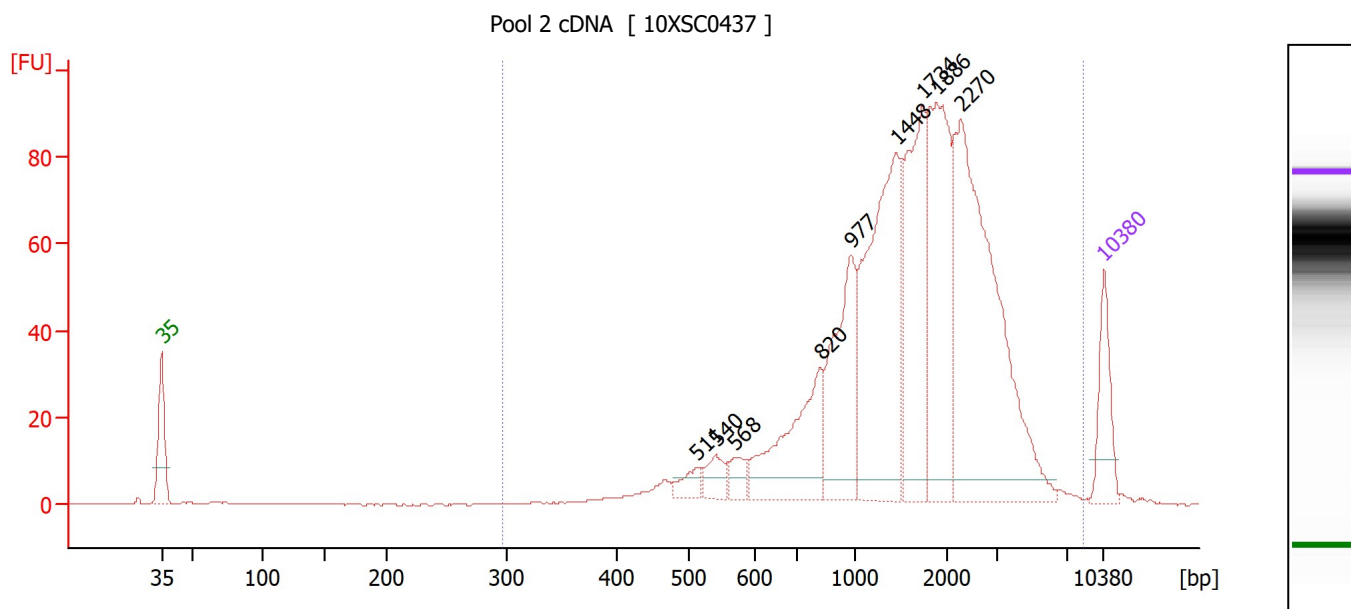
Region table for sample 3 : Pool 1 cDNA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
322	8,051	1,152.3	99	1,750	55.4	2,322.71	2,888.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...nalyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
 Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Pool 2 cDNA

Number of peaks found: 9 Corr. Area 1: 1,120.9
 Noise: 0.1

Peak table for sample 4 : Pool 2 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	511	31.44	93.3	
3	540	40.26	112.9	
4	568	30.24	80.6	
5	820	212.59	393.1	
6	977	224.26	347.8	
7	1,448	413.54	432.7	
8	1,734	264.35	231.0	
9	1,886	293.79	236.0	
10	2,270	539.37	359.9	
11	10,380	75.00	10.9	Upper Marker

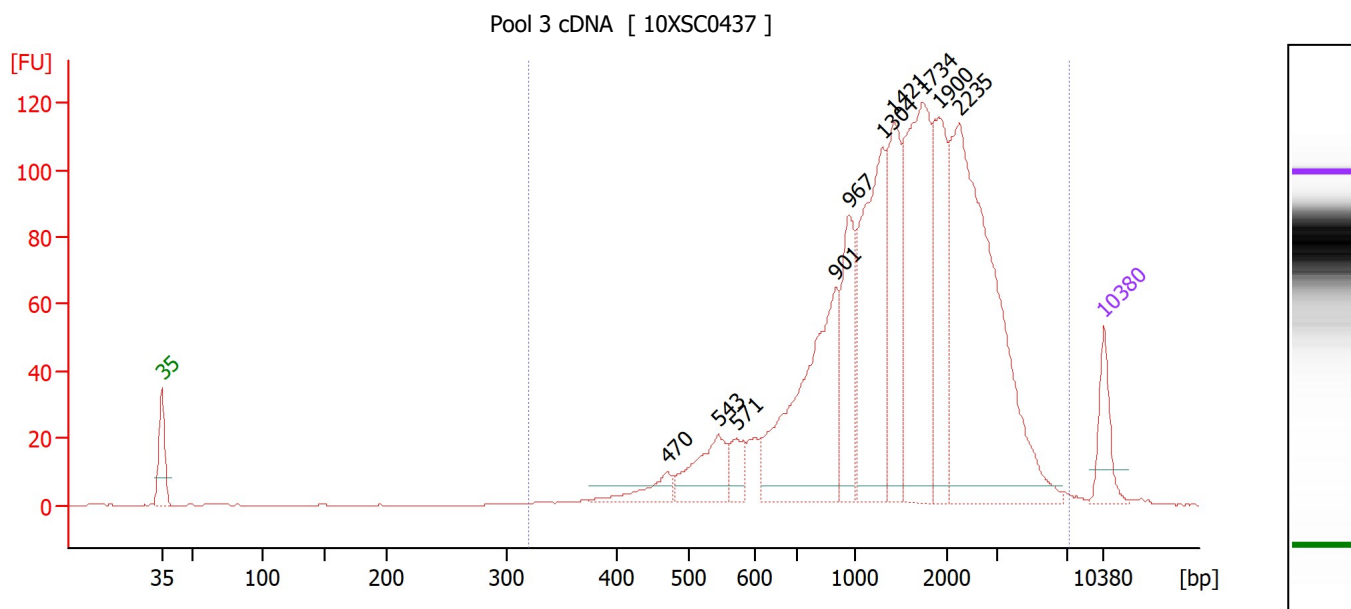
Region table for sample 4 : Pool 2 cDNA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
298	8,452	1,120.9	98	1,788	57.0	2,244.74	2,757.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...analyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
 Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Pool 3 cDNA

Number of peaks found: 10 Corr. Area 1: 1,586.2
 Noise: 0.2

Peak table for sample 5 : Pool 3 cDNA

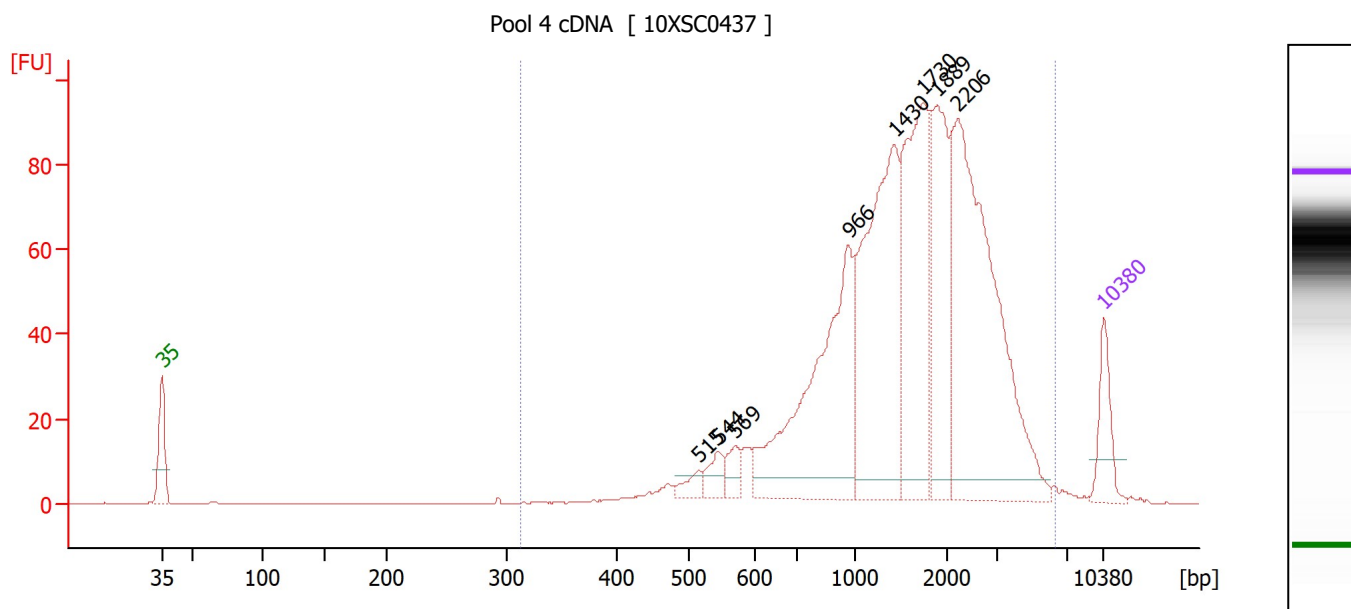
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	470	64.48	207.9	
3	543	147.11	410.2	
4	571	57.59	152.9	
5	901	489.70	823.5	
6	967	203.25	318.3	
7	1,304	414.97	482.1	
8	1,421	258.52	275.6	
9	1,734	466.77	407.9	
10	1,900	242.60	193.5	
11	2,235	768.31	521.0	
12	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : Pool 3 cDNA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
321	7,180	1,586.2	99	1,695	57.6	3,339.40	4,372.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Pool 4 cDNA**

Number of peaks found: 8 Corr. Area 1: 1,158.0
Noise: 0.2

Peak table for sample 6 : Pool 4 cDNA

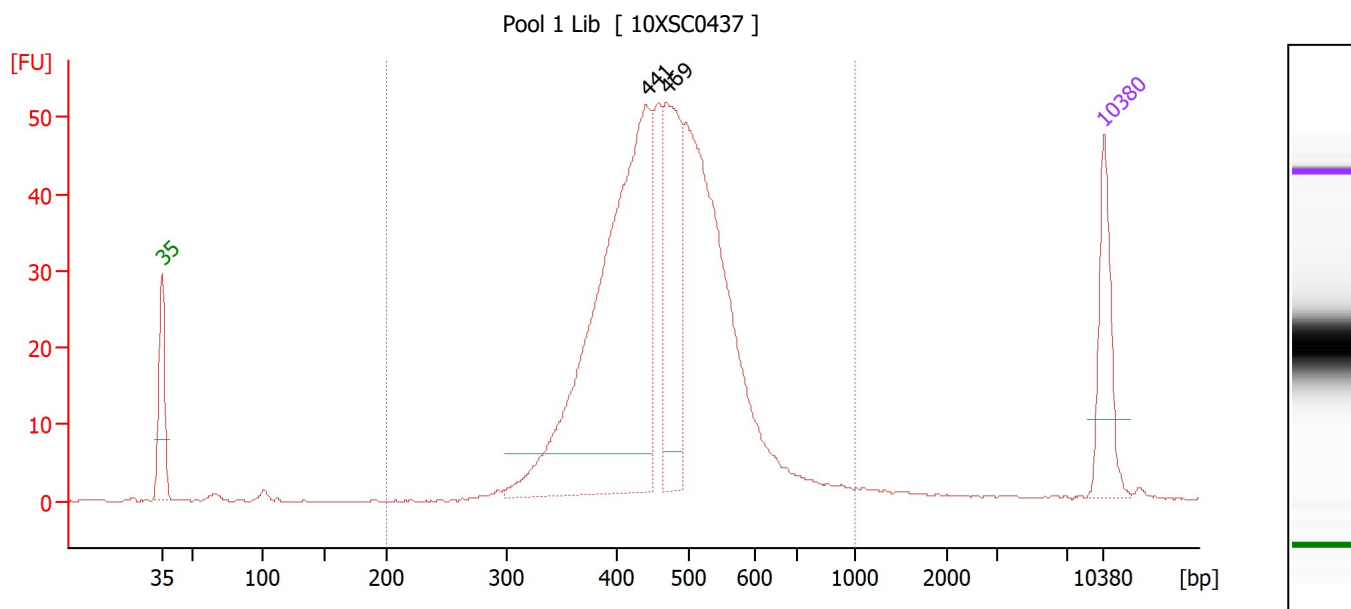
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	515	29.77	87.6	
3	544	44.21	123.1	
4	569	39.56	105.3	
5	966	537.49	842.8	
6	1,430	542.14	574.4	
7	1,730	416.80	365.1	
8	1,889	272.96	218.9	
9	2,206	688.06	472.7	
10	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : Pool 4 cDNA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
313	6,275	1,158.0	98	1,730	53.5	2,831.85	3,504.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Pool 1 Lib**

Number of peaks found: 2 Corr. Area 1: 633.7
Noise: 0.1

Peak table for sample 7 : Pool 1 Lib

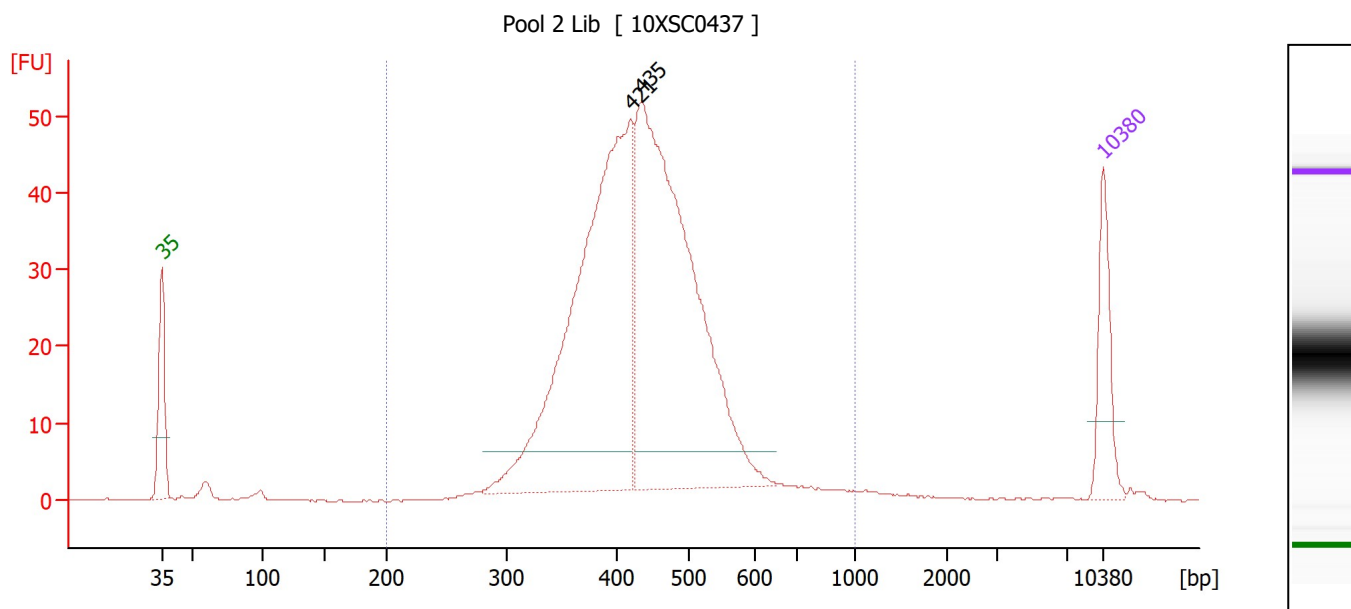
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	441	683.57	2,349.1	
3	469	211.87	684.6	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : Pool 1 Lib

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	633.7	95	471	18.8	1,652.67	5,533.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Pool 2 Lib**

Number of peaks found: 2 Corr. Area 1: 609.1
Noise: 0.1

Peak table for sample 8 : Pool 2 Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	421	806.51	2,906.0	
3	435	830.13	2,893.9	
4	10,380	75.00	10.9	Upper Marker

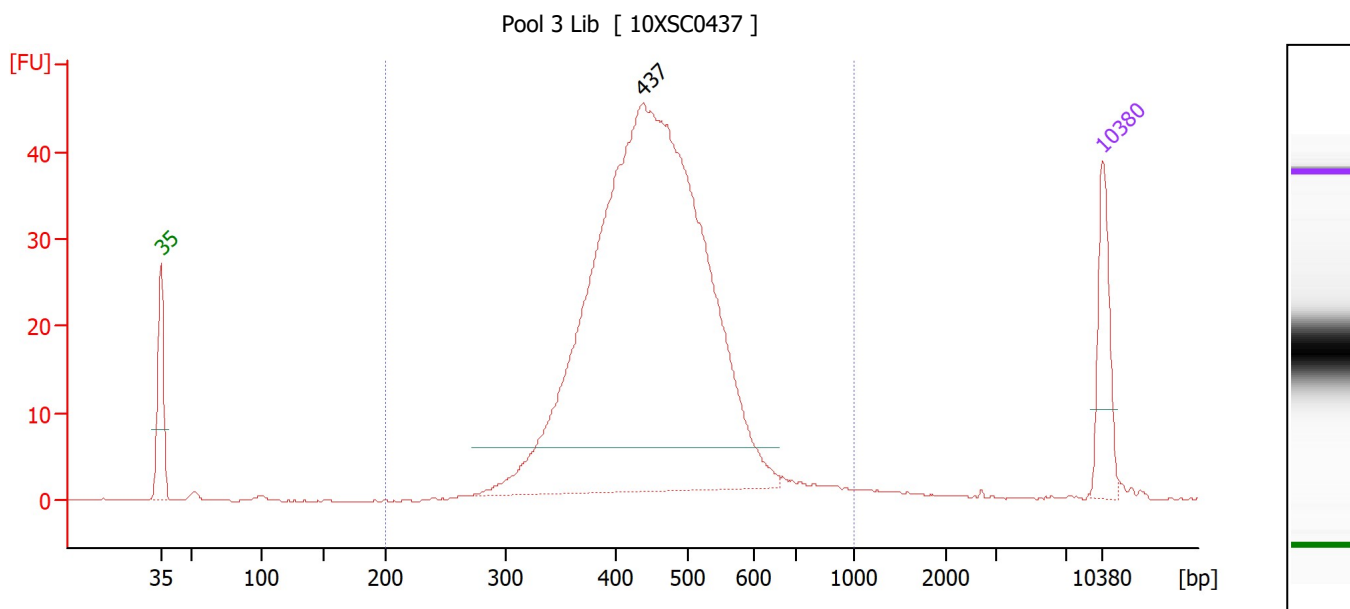
Region table for sample 8 : Pool 2 Lib

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	609.1	94	440	19.4	1,835.17	6,586.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...nalyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
 Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Pool 3 Lib

Number of peaks found: 1 Corr. Area 1: 545.8
 Noise: 0.1

Peak table for sample 9 : Pool 3 Lib

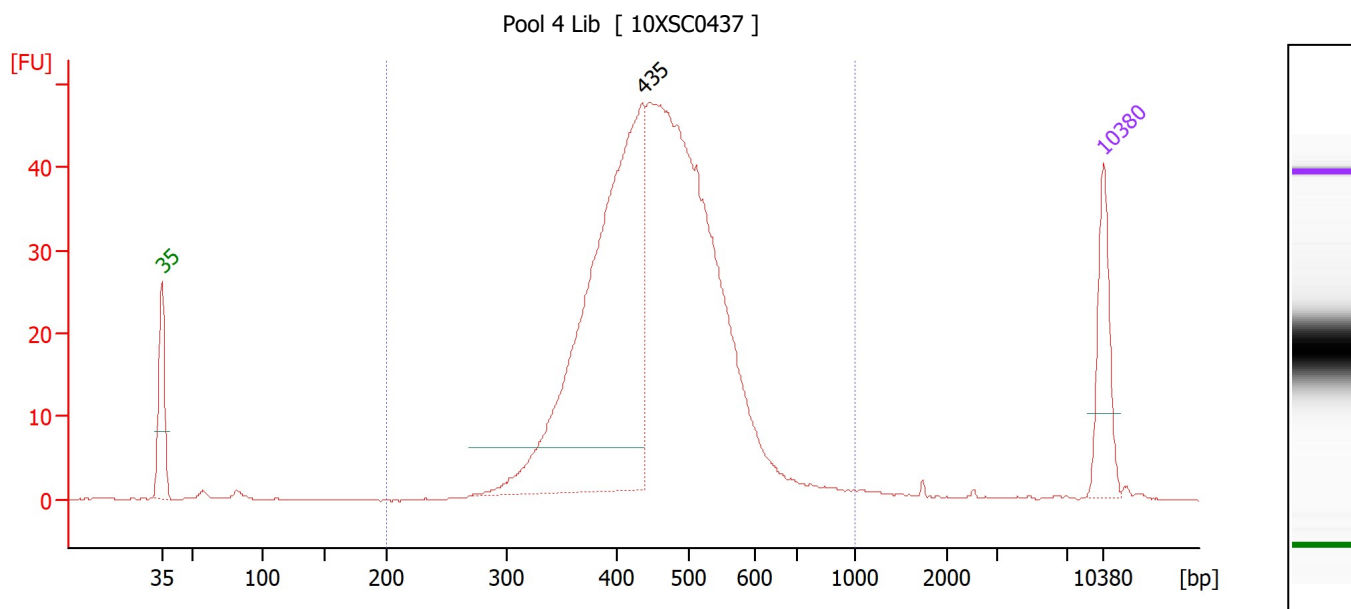
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	437	1,652.32	5,724.8	
3	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : Pool 3 Lib

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	545.8	94	457	19.4	1,796.37	6,210.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : Pool 4 Lib**

Number of peaks found: 1 Corr. Area 1: 596.1
Noise: 0.1

Peak table for sample 10 : Pool 4 Lib

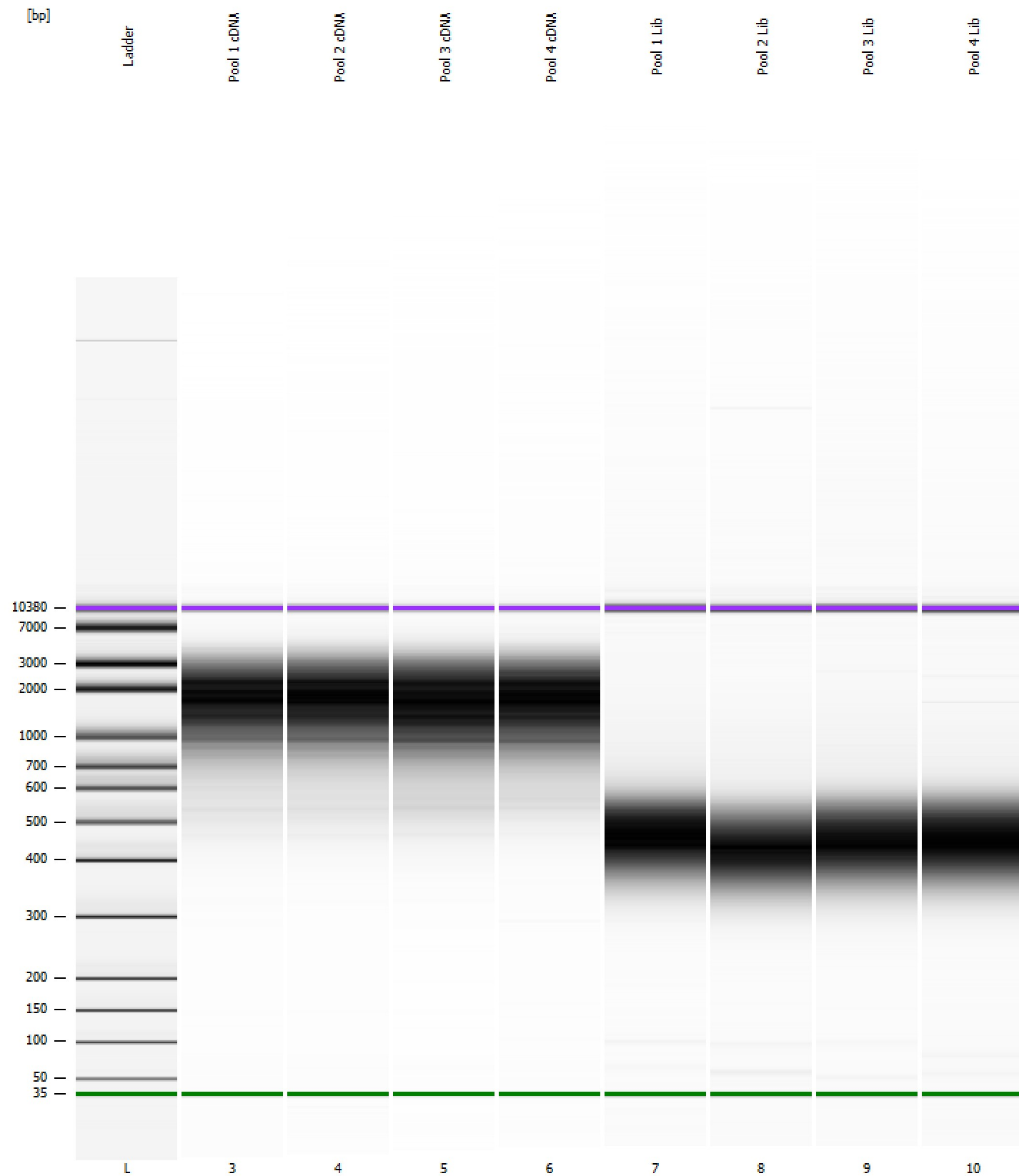
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	435	762.17	2,652.4	
3	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : Pool 4 Lib

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	596.1	95	460	18.7	1,846.99	6,335.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
Modified: 8/12/2025 1:10:13 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...nalyzer\2100 expert\data\2025-08-12\10XSC0437_cDNA_Libs.xad

Created: 8/12/2025 12:25:53 PM
 Modified: 8/12/2025 1:10:13 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		8/12/2025 1:07:17 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\2025-08-12\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-08-12_001.xad)		Instrument	Run		8/12/2025 12:26:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/12/2025 12:26:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/12/2025 12:26:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/12/2025 12:26:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/12/2025 12:26:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/12/2025 12:26:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/12/2025 12:26:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB