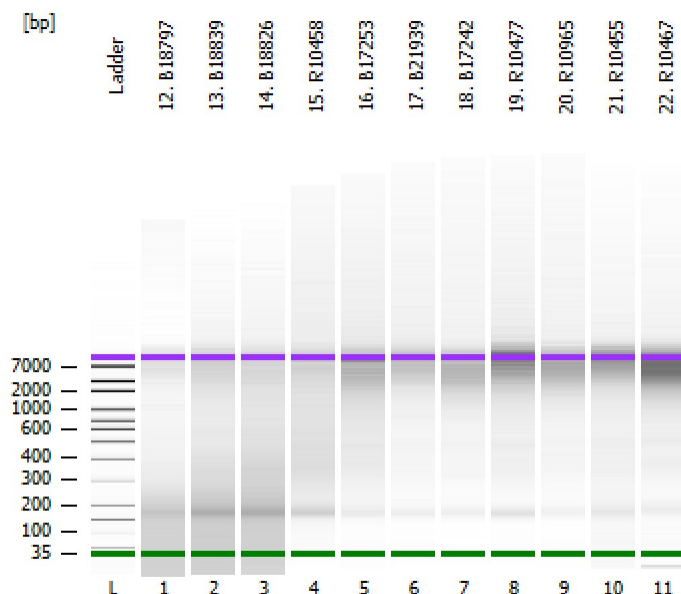


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electrophoresis File Run Summary



Instrument Information:

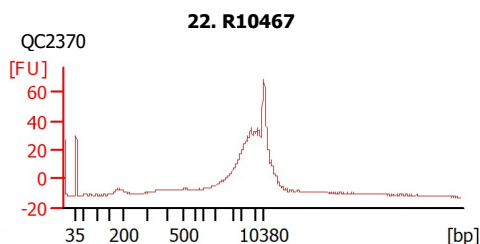
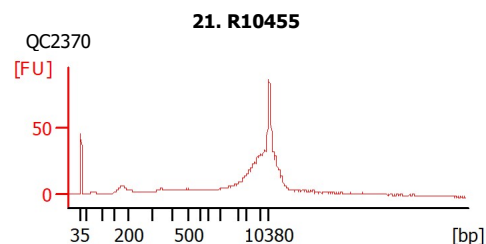
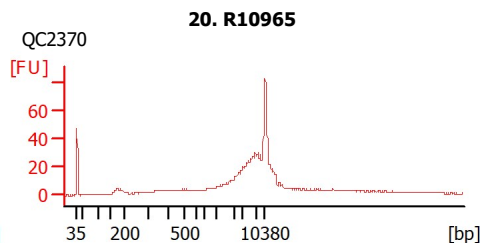
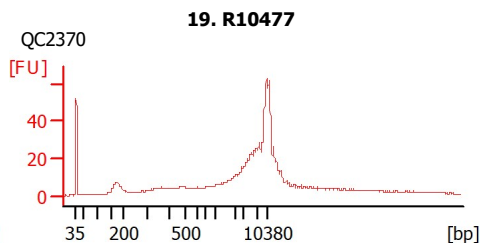
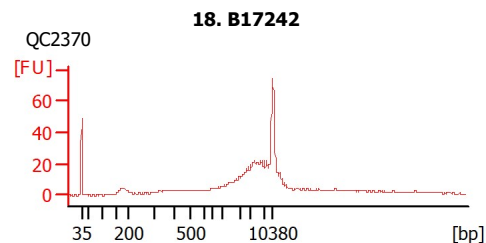
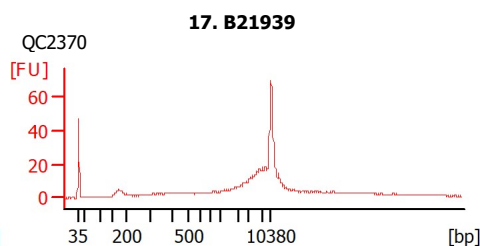
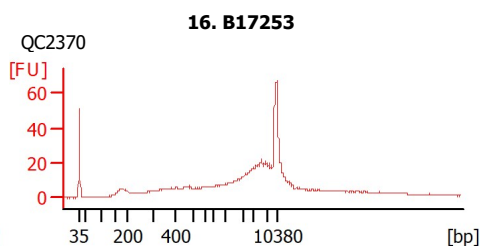
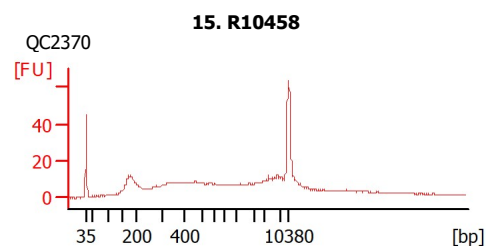
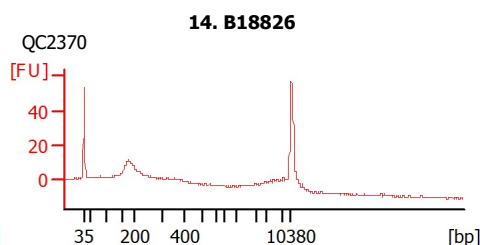
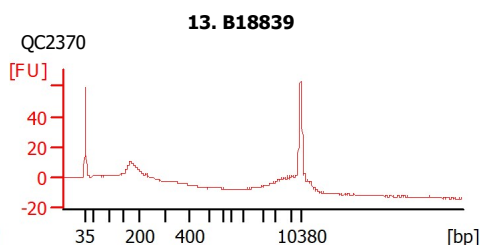
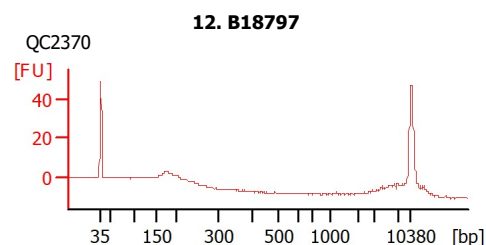
Instrument Name: DE34903152
Serial#: DE34903152
Firmware: C.01.069
Type: G2938C

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
12. B18797	QC2370	☐	✓			
13. B18839	QC2370	☐	✓			
14. B18826	QC2370	☐	✓			
15. R10458	QC2370	☐	✓			
16. B17253	QC2370	☐	✓			
17. B21939	QC2370	☐	✓			
18. B17242	QC2370	☐	✓			
19. R10477	QC2370	☐	✓			
20. R10965	QC2370	☐	✓			
21. R10455	QC2370	☐	✓			
22. R10467	QC2370	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
 Modified: 12/5/2025 1:17:50 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

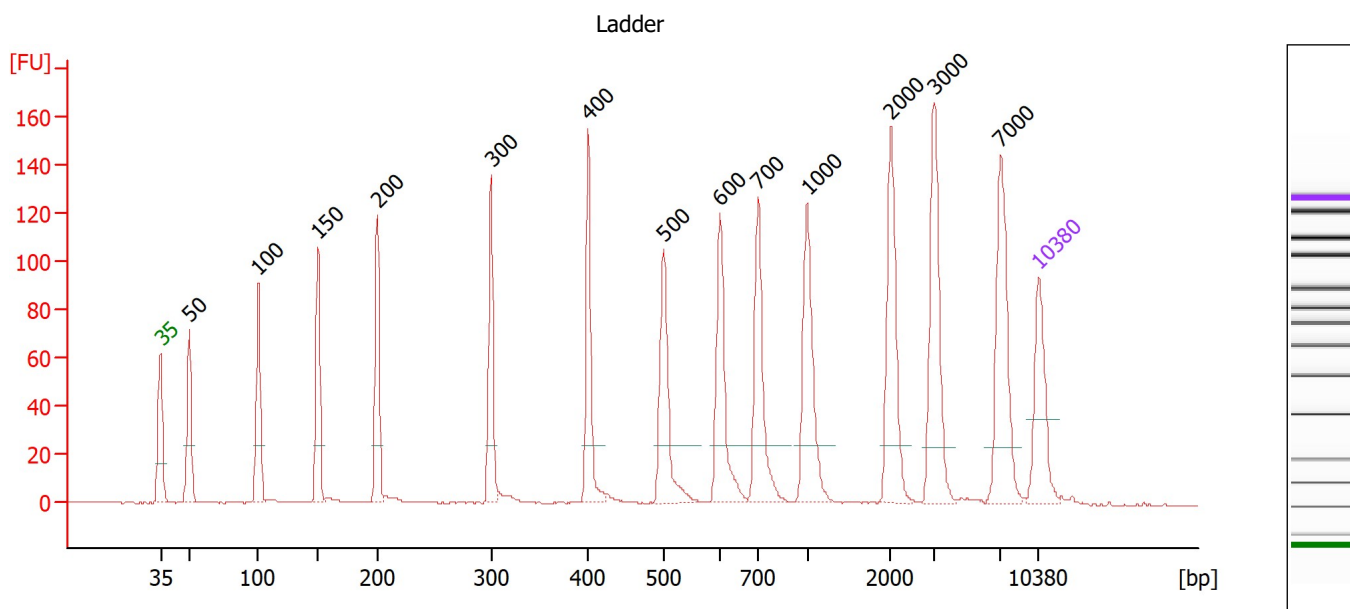
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
 Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

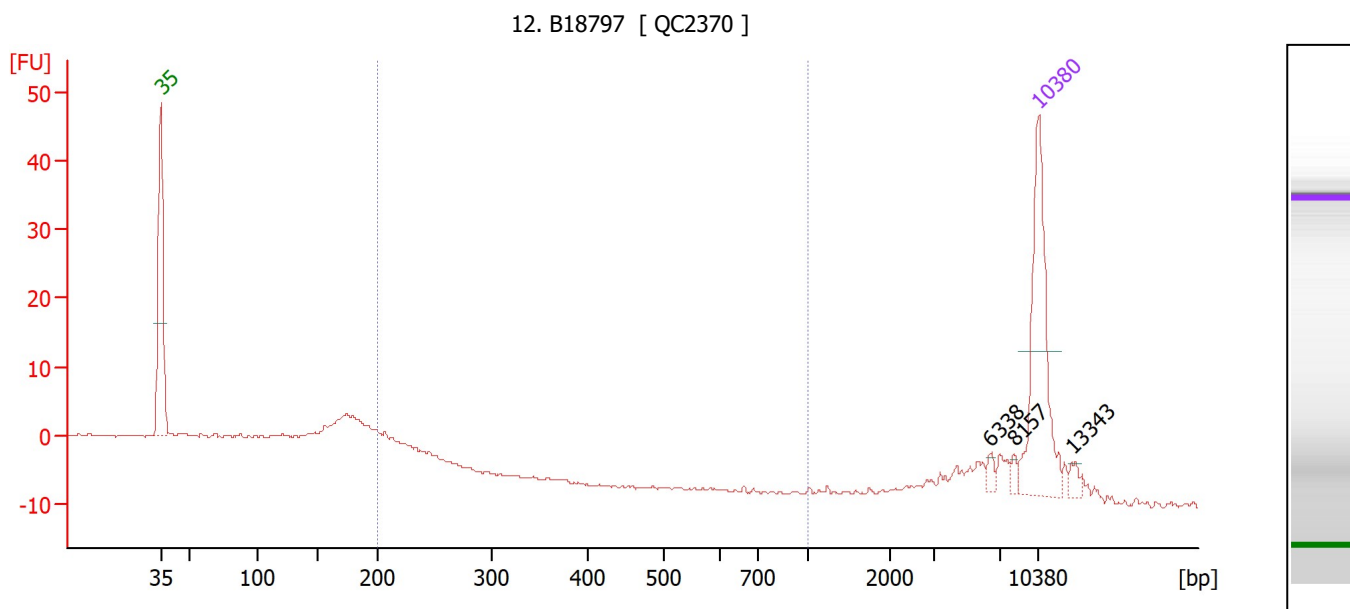
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 12. B18797

Number of peaks found: 3 Corr. Area 1: 5.5
Noise: 0.2

Peak table for sample 1 : 12. B18797

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	6,338	4.05	1.0	
3	8,157	4.15	0.8	
4	10,380	75.00	10.9	Upper Marker
5	13,343	0.00	0.0	

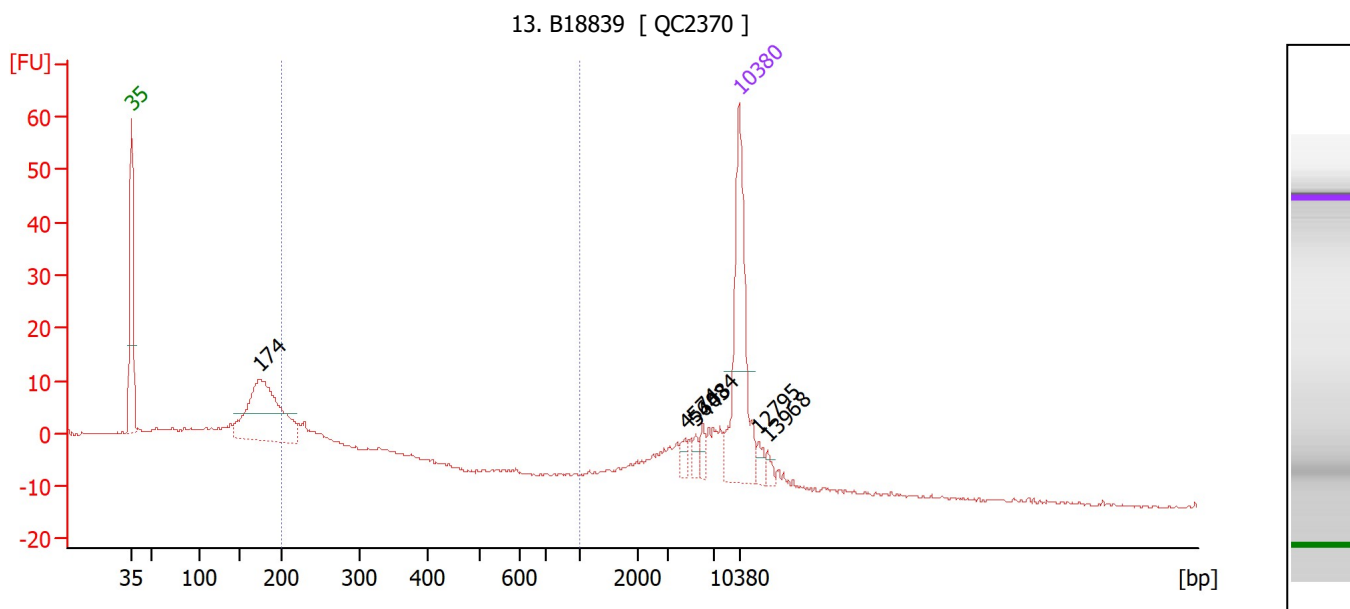
Region table for sample 1 : 12. B18797

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	5.5	9	210	4.0	11.41	82.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 13. B18839

Number of peaks found: 6 Corr. Area 1: 50.5
Noise: 0.2

Peak table for sample 2 : 13. B18839

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	174	125.86	1,097.8	
3	4,574	4.97	1.6	Upper Marker
4	5,443	4.72	1.3	
5	6,084	5.41	1.3	
6	10,380	75.00	10.9	
7	12,795	0.00	0.0	
8	13,968	0.00	0.0	

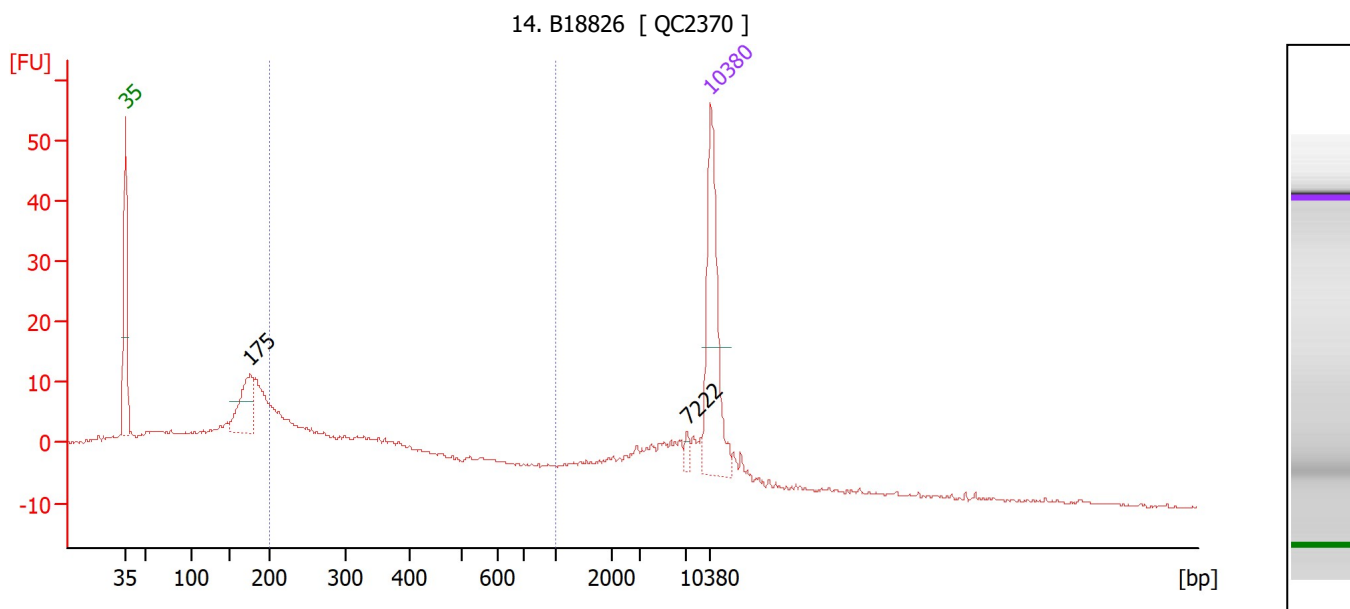
Region table for sample 2 : 13. B18839

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	50.5	20	245	16.5	69.82	440.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 14. B18826

Number of peaks found: 2 Corr. Area 1: 113.3
Noise: 0.2

Peak table for sample 3 : 14. B18826

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	175	49.76	430.2	
3	7,222	4.48	0.9	
4	10,380	75.00	10.9	Upper Marker

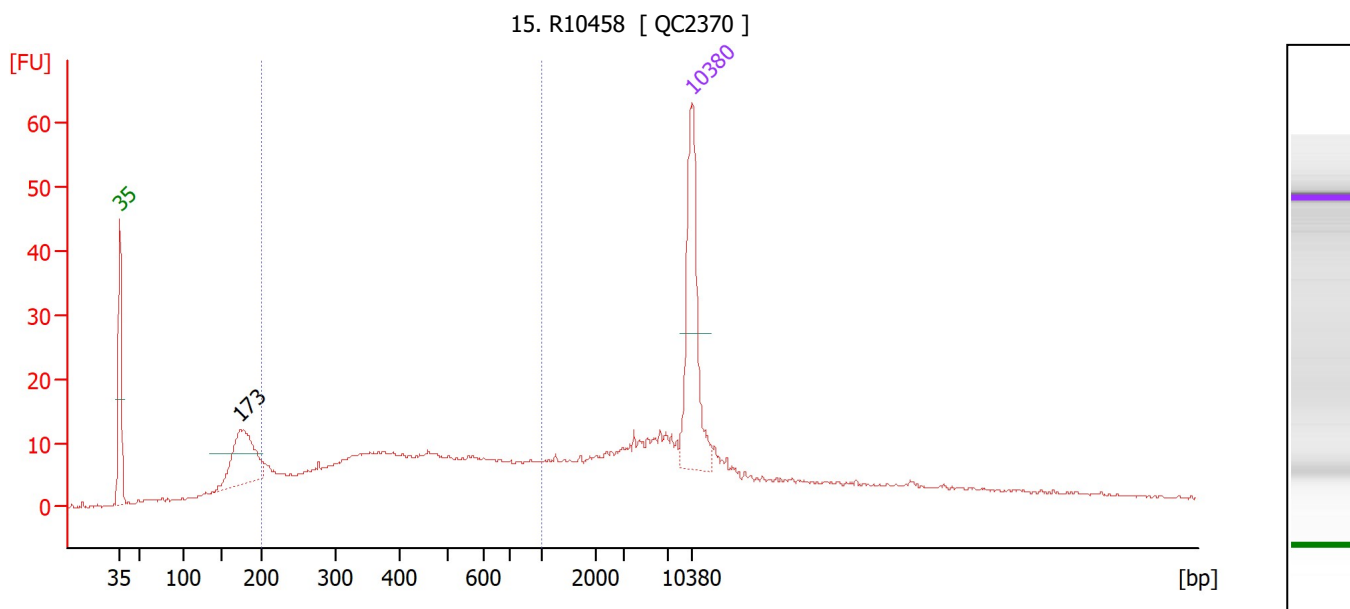
Region table for sample 3 : 14. B18826

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	113.3	36	337	41.1	173.62	912.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
 Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 15. R10458

Number of peaks found: 1 Corr. Area 1: 278.3
 Noise: 0.2

Peak table for sample 4 : 15. R10458

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	173	81.63	714.5	
3	10,380	75.00	10.9	Upper Marker

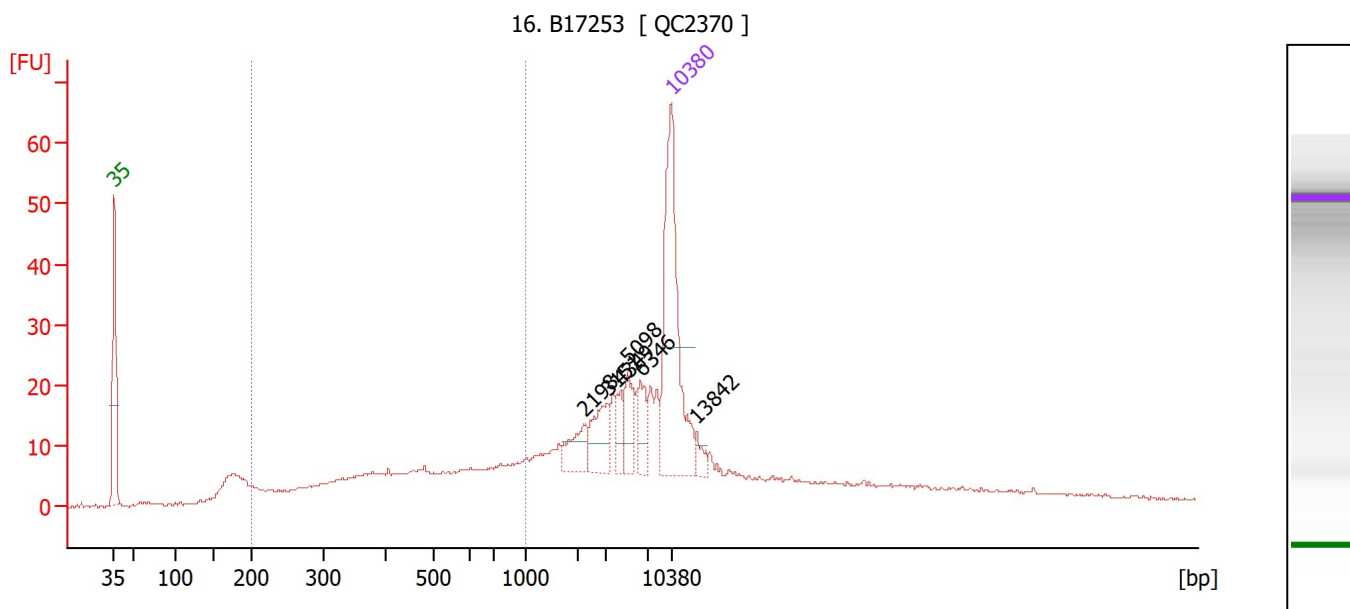
Region table for sample 4 : 15. R10458

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	278.3	49	455	40.8	407.00	1,686.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 16. B17253

Number of peaks found: 6 Corr. Area 1: 176.7
Noise: 0.2

Peak table for sample 5 : 16. B17253

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,198	13.57	9.4	
3	3,151	19.42	9.3	
4	4,349	9.05	3.2	
5	5,098	13.75	4.1	
6	6,346	12.33	2.9	
7	10,380	75.00	10.9	Upper Marker
8	13,842	0.00	0.0	

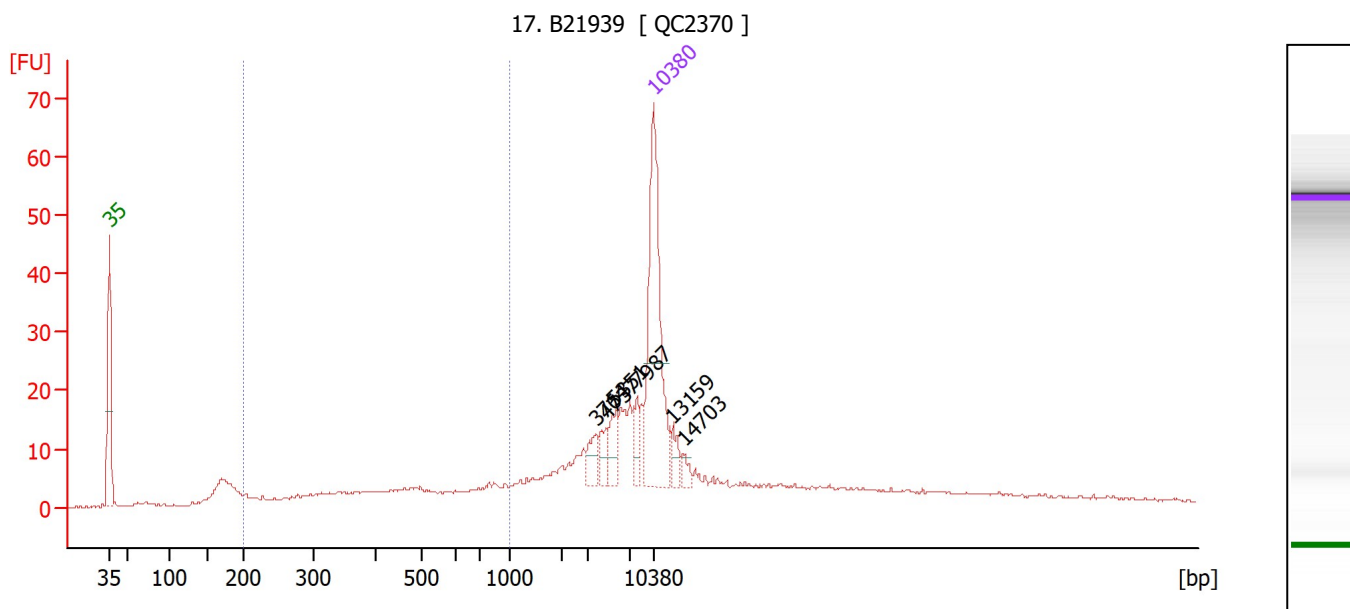
Region table for sample 5 : 16. B17253

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	176.7	34	501	39.4	187.05	708.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
 Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17. B21939

Number of peaks found: 6 Corr. Area 1: 88.5
 Noise: 0.2

Peak table for sample 6 : 17. B21939

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,764	8.87	3.6	
3	4,737	7.70	2.5	
4	5,351	10.15	2.9	
5	7,987	9.11	1.7	
6	10,380	75.00	10.9	Upper Marker
7	13,159	0.00	0.0	
8	14,703	0.00	0.0	

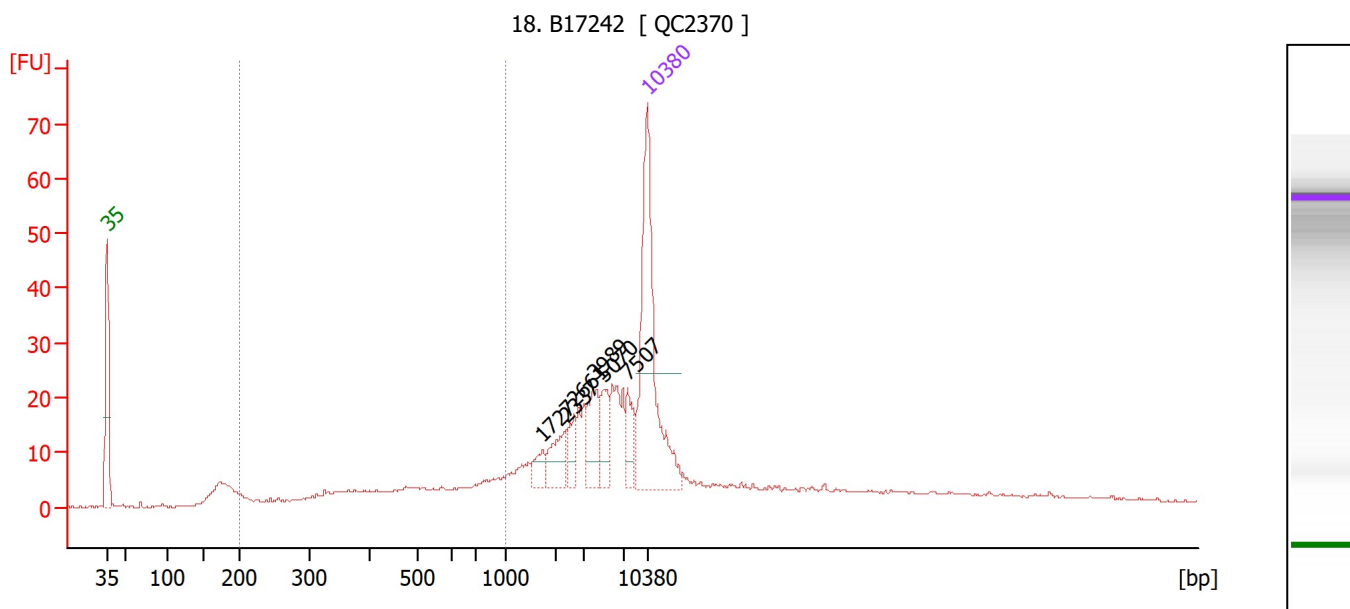
Region table for sample 6 : 17. B21939

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	88.5	24	495	40.5	103.19	398.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 18. B17242

Number of peaks found: 6 Corr. Area 1: 100.6
Noise: 0.2

Peak table for sample 7 : 18. B17242

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,727	7.35	6.4	
3	2,337	13.86	9.0	
4	2,661	8.34	4.7	
5	3,989	18.03	6.8	
6	5,070	13.51	4.0	
7	7,507	11.21	2.3	
8	10,380	75.00	10.9	Upper Marker

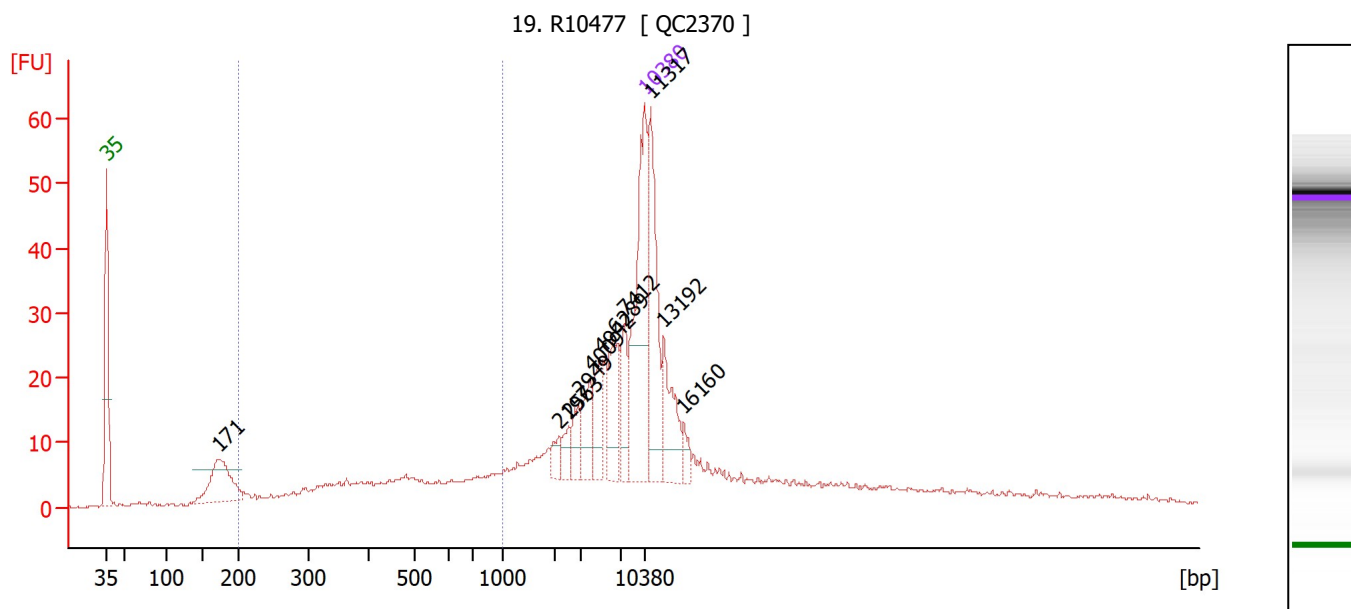
Region table for sample 7 : 18. B17242

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	100.6	24	522	39.7	95.06	348.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
 Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 19. R10477

Number of peaks found: 11 Corr. Area 1: 125.8
 Noise: 0.2

Peak table for sample 8 : 19. R10477

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	171	55.27	490.3	
3	2,197	7.16	4.9	
4	2,563	7.73	4.6	
5	2,949	11.27	5.8	
6	4,009	16.25	6.1	
7	4,942	17.61	5.4	
8	6,289	26.67	6.4	
9	7,412	18.83	3.9	
10	10,380	75.00	10.9	Upper Marker
11	11,317	0.00	0.0	
12	13,192	0.00	0.0	
13	16,160	0.00	0.0	

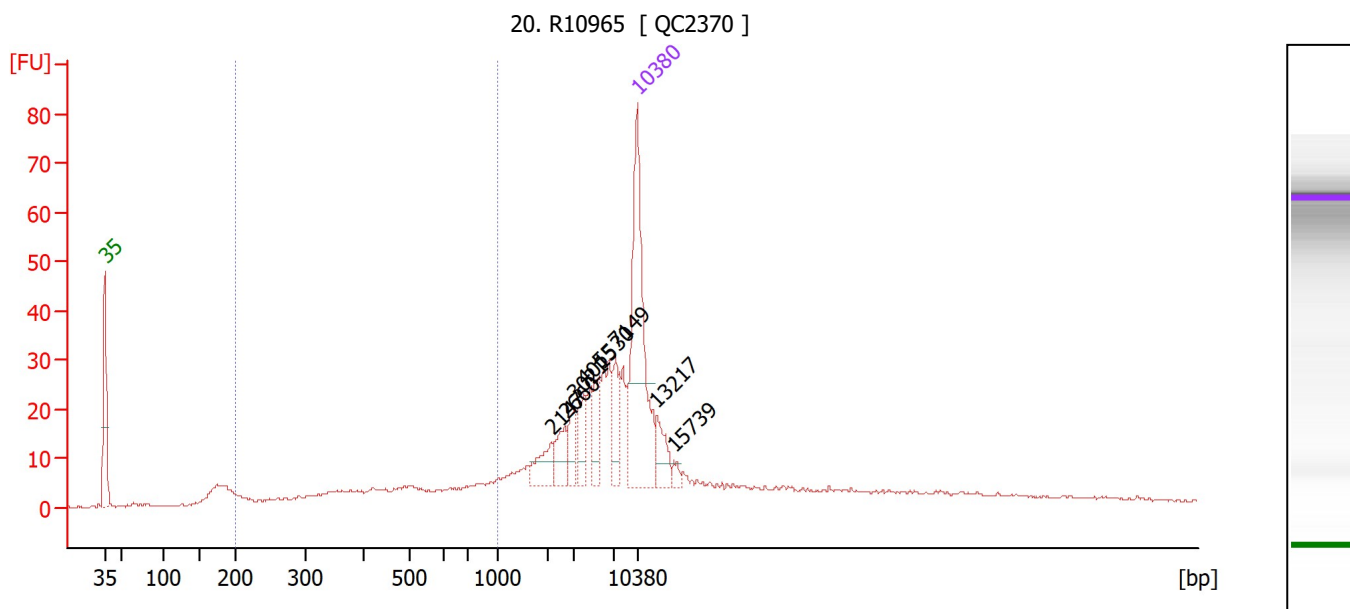
Region table for sample 8 : 19. R10477

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	125.8	22	499	39.5	160.47	607.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 20. R10965

Number of peaks found: 8 Corr. Area 1: 108.3
Noise: 0.2

Peak table for sample 9 : 20. R10965

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,147	11.89	8.4	
3	2,660	11.72	6.7	
4	3,021	10.70	5.4	
5	4,015	11.97	4.5	
6	5,530	12.88	3.5	
7	7,149	15.59	3.3	
8	10,380	75.00	10.9	Upper Marker
9	13,217	0.00	0.0	
10	15,739	0.00	0.0	

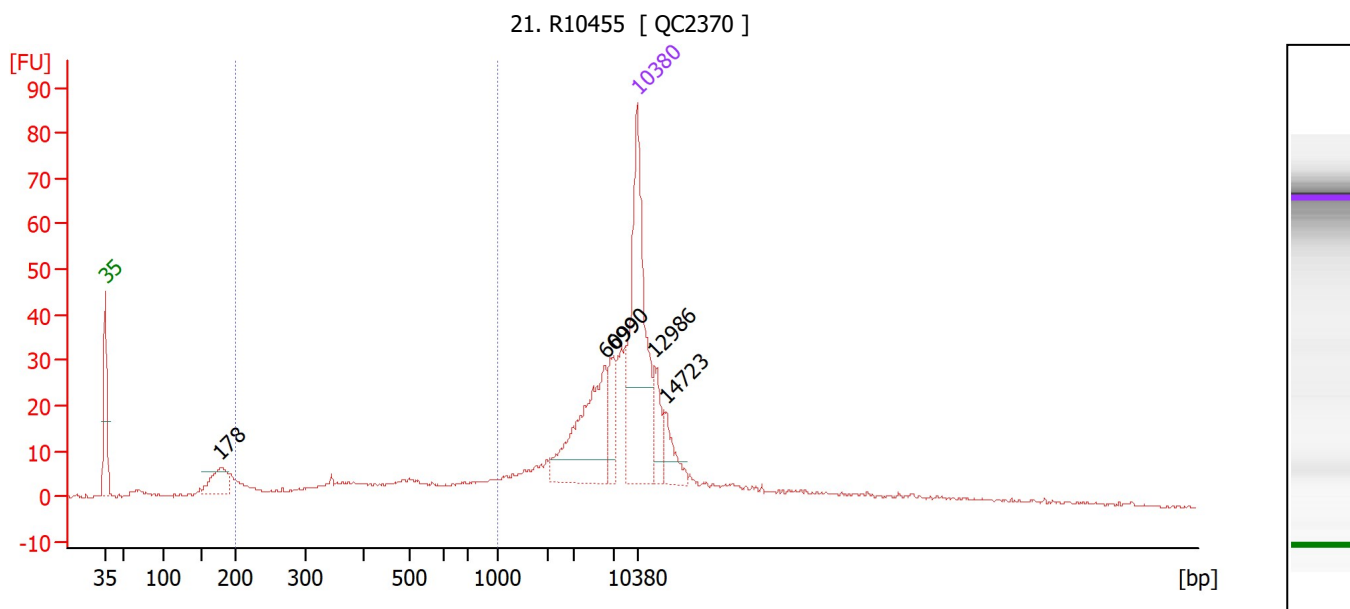
Region table for sample 9 : 20. R10965

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	108.3	22	508	39.8	103.43	388.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 21. R10455

Number of peaks found: 5 Corr. Area 1: 117.2
Noise: 0.3

Peak table for sample 10 : 21. R10455

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	178	21.22	180.9	
3	6,099	52.31	13.0	
4	6,990	14.64	3.2	
5	10,380	75.00	10.9	Upper Marker
6	12,986	0.00	0.0	
7	14,723	0.00	0.0	

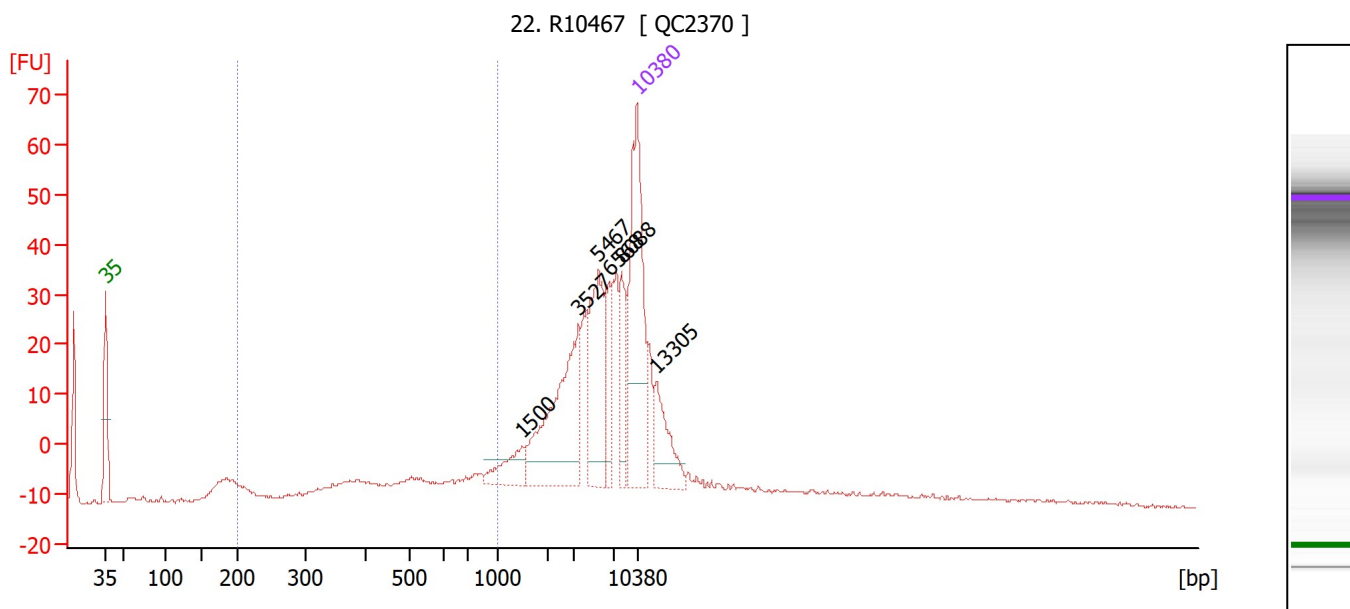
Region table for sample 10 : 21. R10455

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	117.2	23	491	40.3	89.42	348.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
Modified: 12/5/2025 1:17:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 22. R10467

Number of peaks found: 6 Corr. Area 1: 112.5
Noise: 0.3

Peak table for sample 11 : 22. R10467

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,500	16.28	16.4	
3	3,527	74.80	32.1	
4	5,467	52.74	14.6	
5	6,568	21.27	4.9	
6	8,088	22.33	4.2	
7	10,380	75.00	10.9	Upper Marker
8	13,305	0.00	0.0	

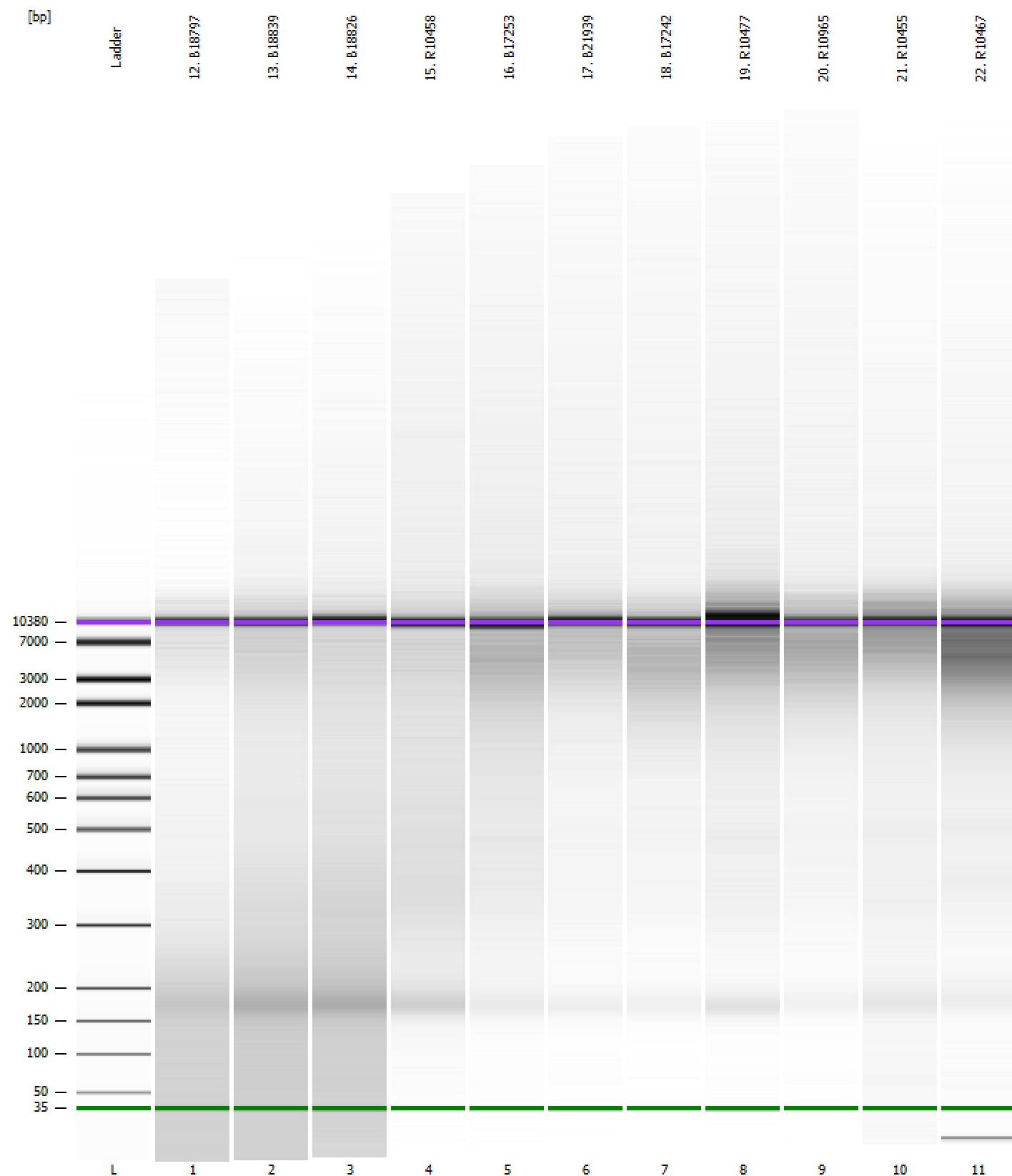
Region table for sample 11 : 22. R10467

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	112.5	17	541	37.6	99.06	345.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
 Modified: 12/5/2025 1:17:50 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad

Created: 12/5/2025 12:35:34 PM
 Modified: 12/5/2025 1:17:50 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		12/5/2025 1:16:59 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-12-05\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-12-05_001.xad)		Instrument	Run		12/5/2025 12:35:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/5/2025 12:35:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/5/2025 12:35:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/5/2025 12:35:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/5/2025 12:35:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/5/2025 12:35:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/5/2025 12:35:43 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB