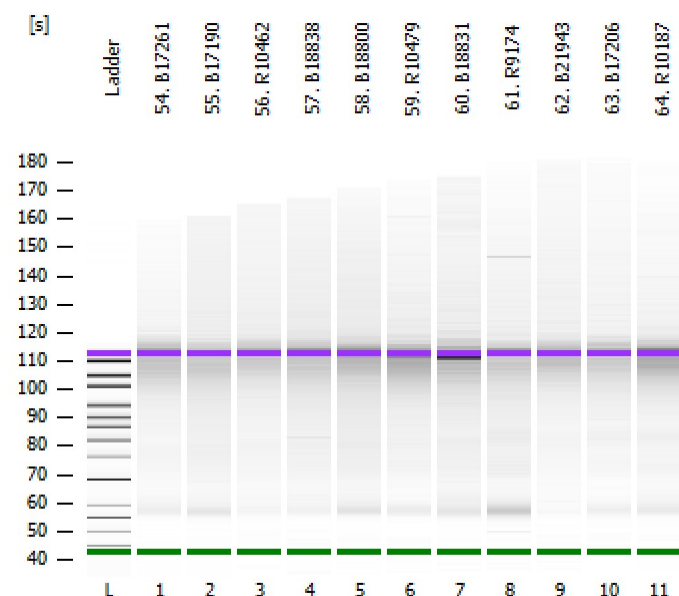


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electrophoresis File Run Summary



Instrument Information:

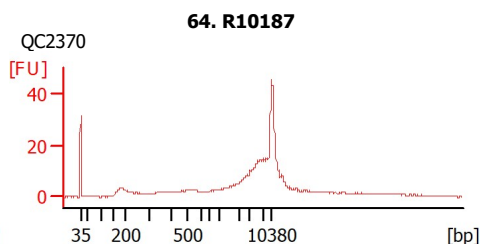
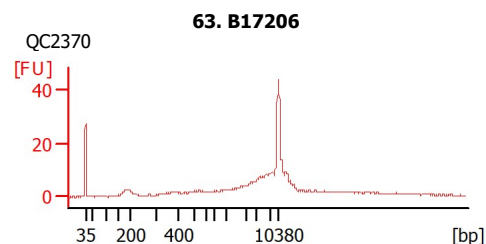
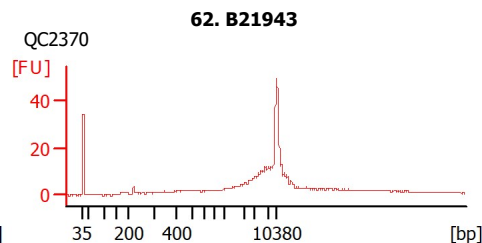
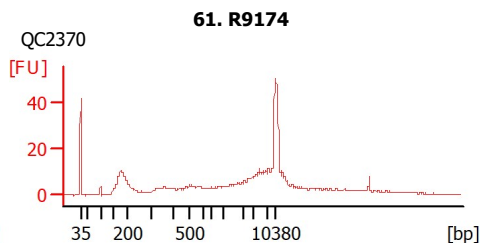
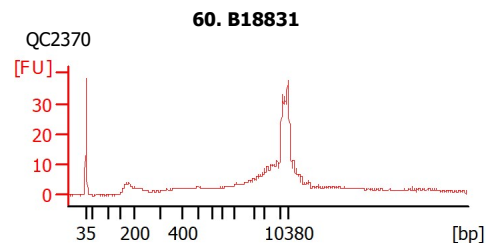
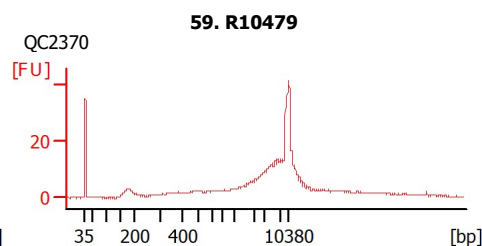
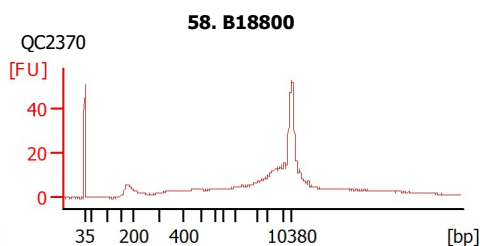
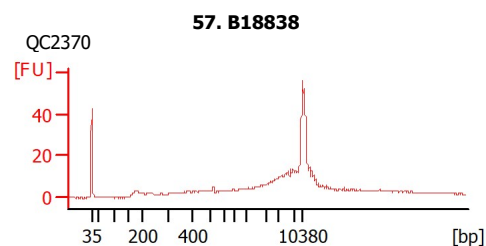
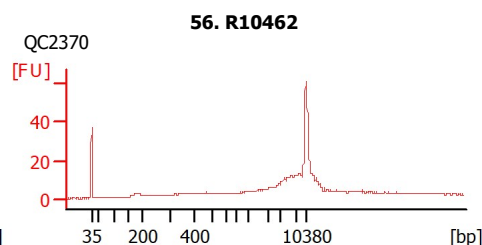
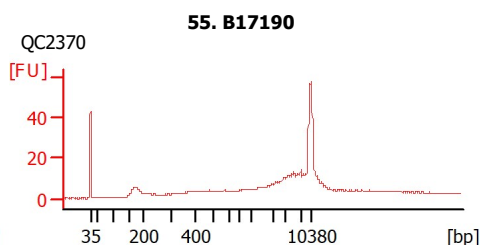
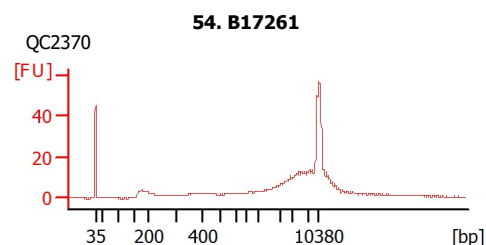
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
54. B17261	QC2370	☐	✓			
55. B17190	QC2370	☐	✓			
56. R10462	QC2370	☐	✓			
57. B18838	QC2370	☐	✓			
58. B18800	QC2370	☐	✓			
59. R10479	QC2370	☐	✓			
60. B18831	QC2370	☐	✓			
61. R9174	QC2370	☐	✓			
62. B21943	QC2370	☐	✓			
63. B17206	QC2370	☐	✓			
64. R10187	QC2370	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 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

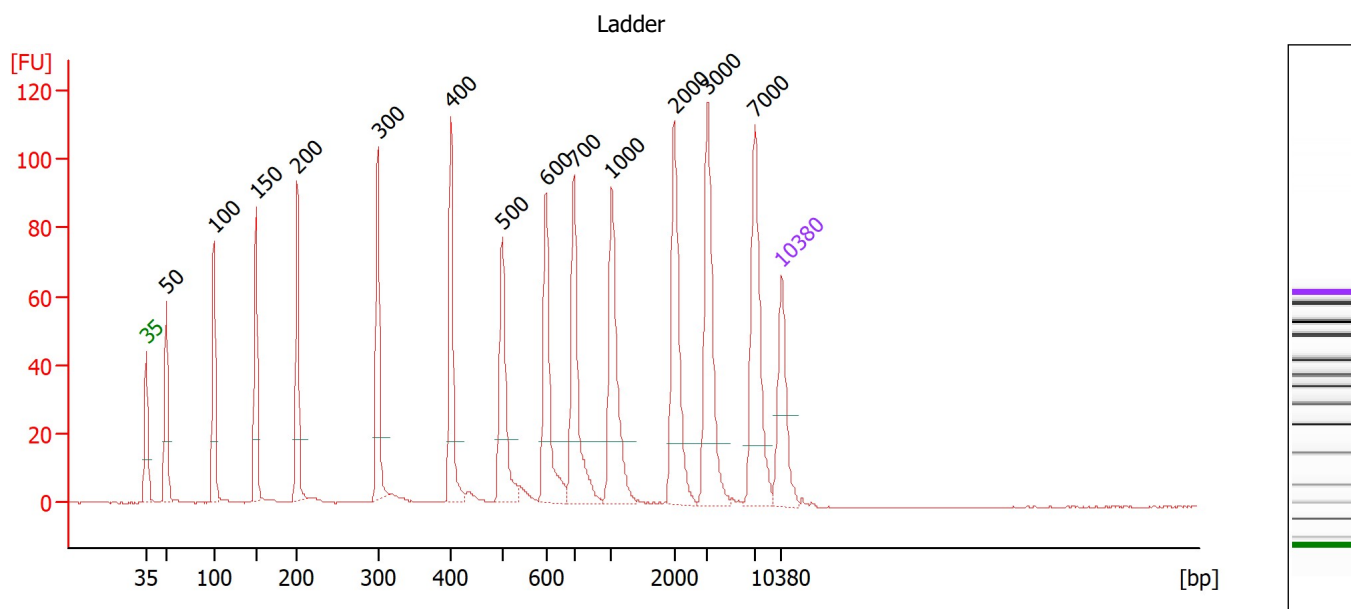
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

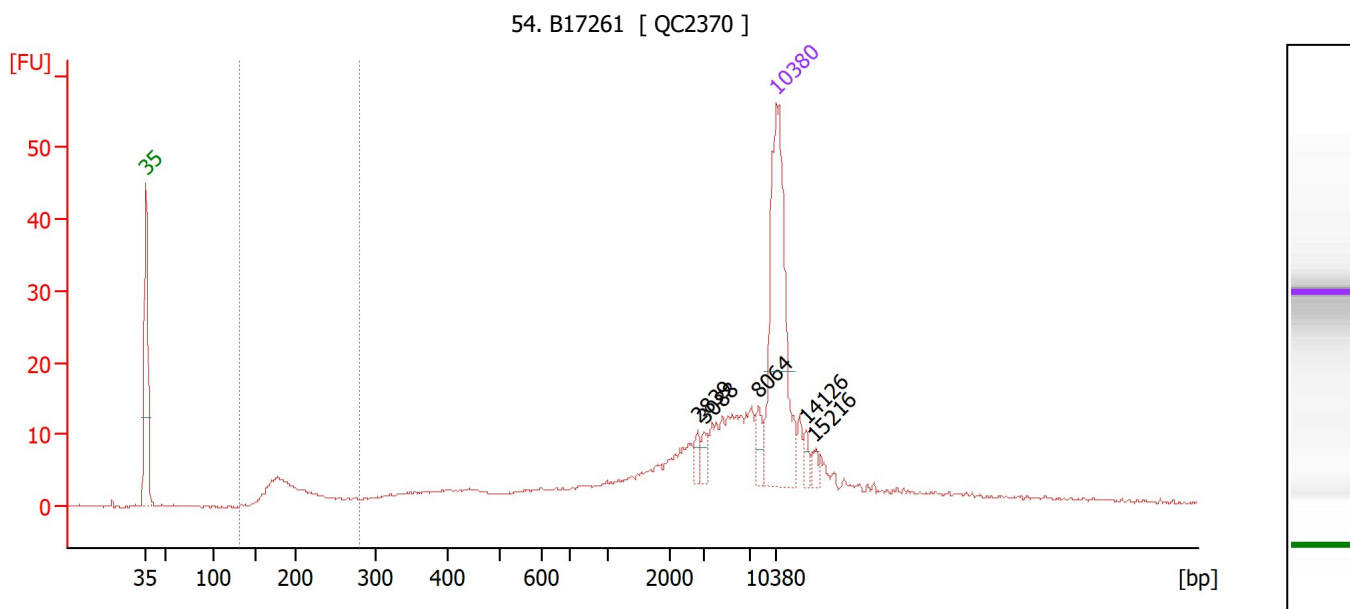
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 54. B17261

Number of peaks found: 5 Corr. Area 1: 34.3
 Noise: 0.2

Peak table for sample 1 : 54. B17261

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,839	4.56	2.4	
3	3,088	4.27	2.1	
4	8,064	6.82	1.3	
5	10,380	75.00	10.9	Upper Marker
6	14,126	0.00	0.0	
7	15,216	0.00	0.0	

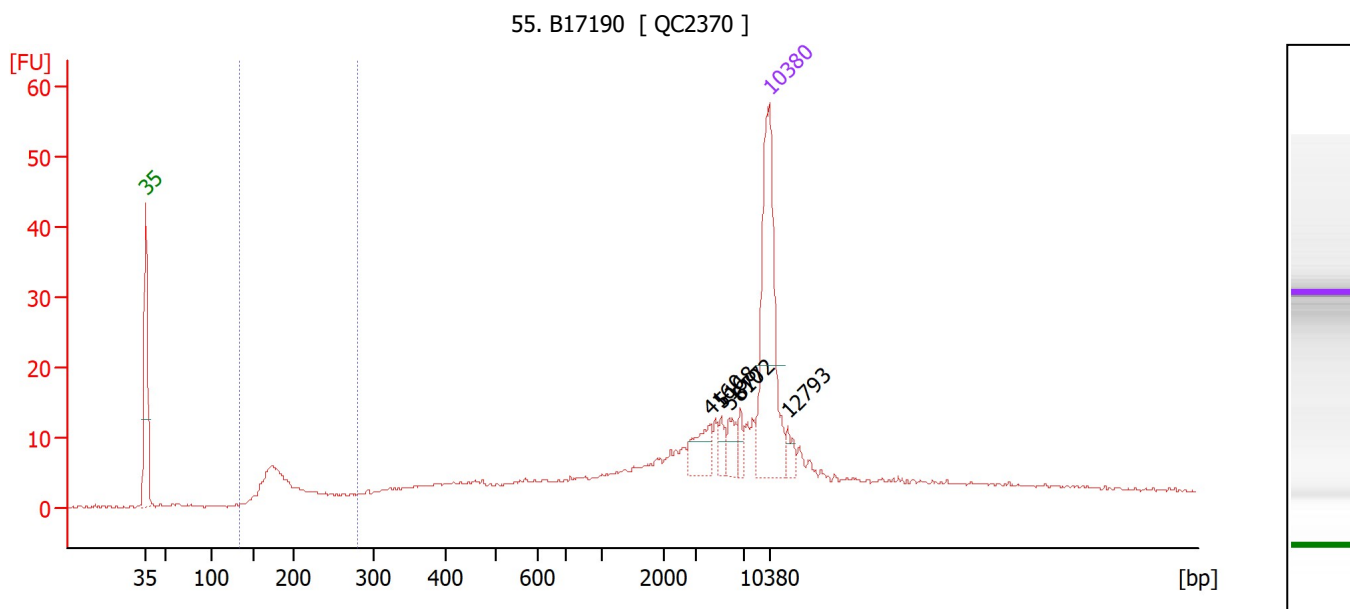
Region table for sample 1 : 54. B17261

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	34.3	12	202	16.0	51.43	396.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 55. B17190

Number of peaks found: 5 Corr. Area 1: 44.4
Noise: 0.2

Peak table for sample 2 : 55. B17190

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,160	15.57	5.7	
3	5,168	5.88	1.7	
4	5,810	8.91	2.3	
5	6,772	5.80	1.3	
6	10,380	75.00	10.9	Upper Marker
7	12,793	0.00	0.0	

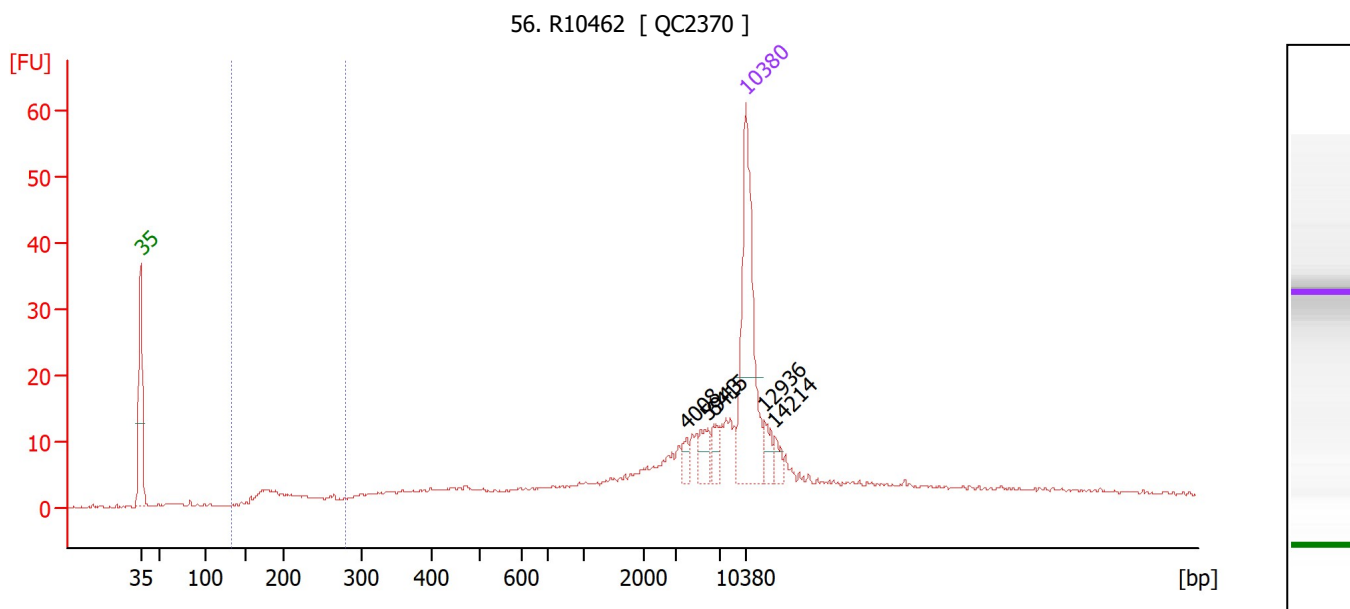
Region table for sample 2 : 55. B17190

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	44.4	15	198	17.3	78.88	624.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 56. R10462

Number of peaks found: 5 Corr. Area 1: 23.0
 Noise: 0.2

Peak table for sample 3 : 56. R10462

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,008	5.64	2.1	
3	5,943	10.22	2.6	
4	6,415	7.60	1.8	
5	10,380	75.00	10.9	Upper Marker
6	12,936	0.00	0.0	
7	14,214	0.00	0.0	

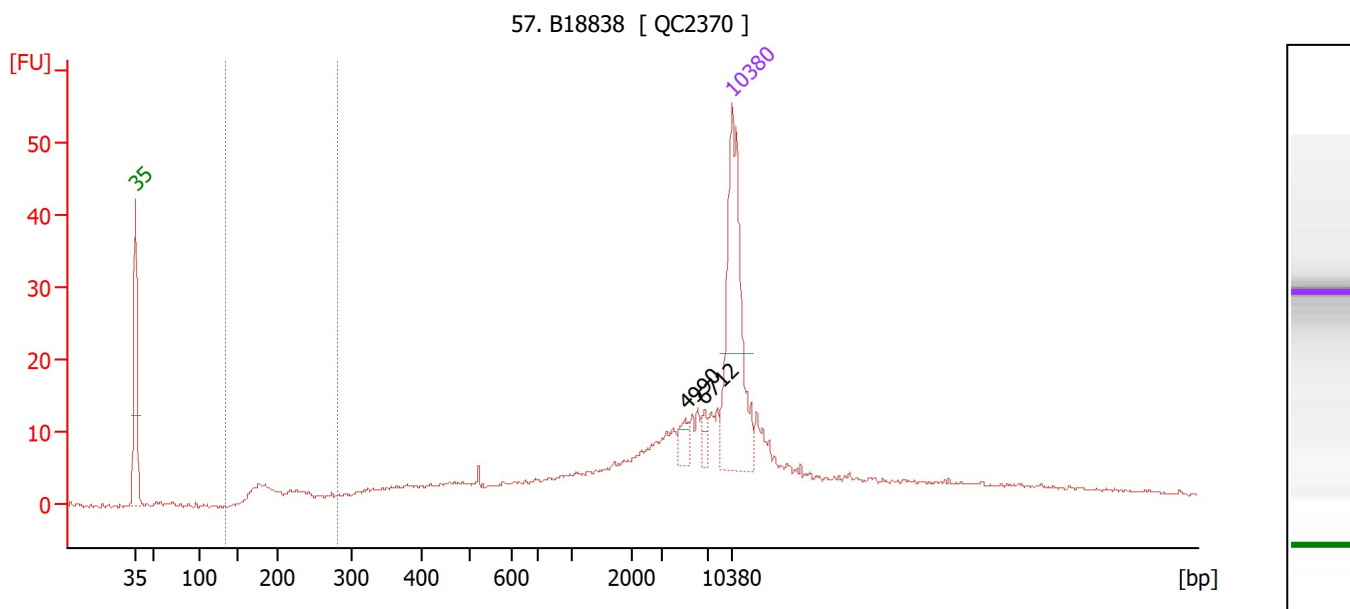
Region table for sample 3 : 56. R10462

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	23.0	9	207	16.6	41.39	312.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 57. B18838

Number of peaks found: 2 Corr. Area 1: 21.1
Noise: 0.2

Peak table for sample 4 : 57. B18838

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,990	7.02	2.1	
3	6,712	5.11	1.2	
4	10,380	75.00	10.9	Upper Marker

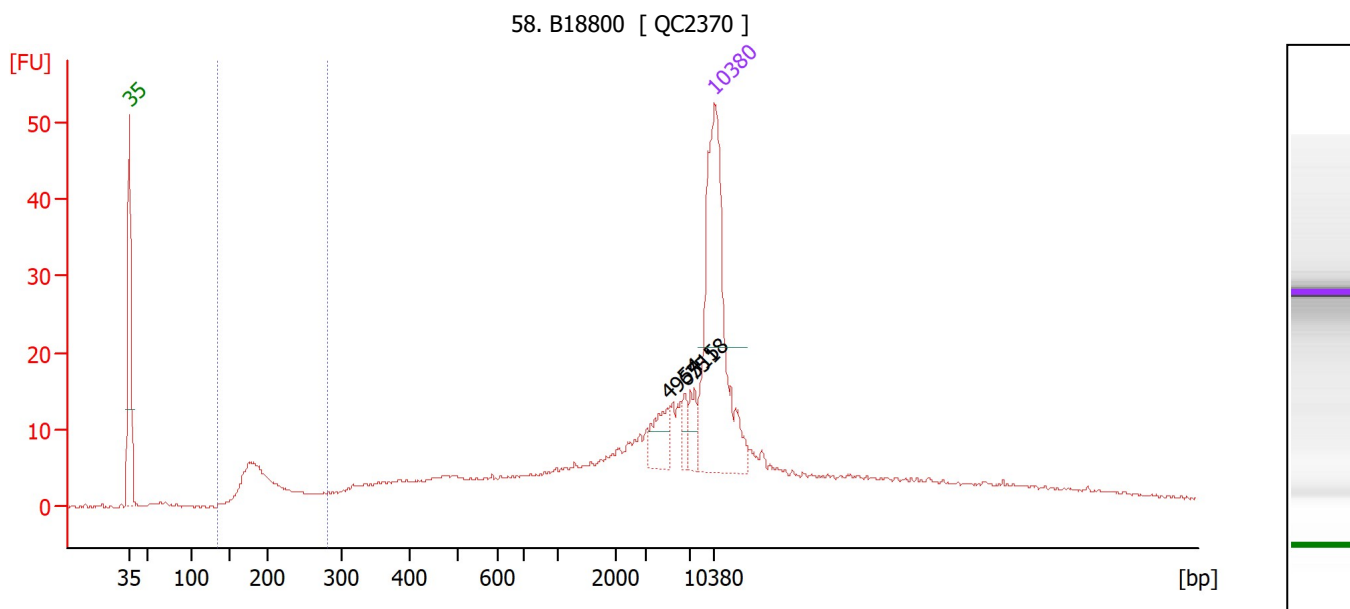
Region table for sample 4 : 57. B18838

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	21.1	8	209	15.4	34.12	254.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 58. B18800

Number of peaks found: 3 Corr. Area 1: 49.4
 Noise: 0.2

Peak table for sample 5 : 58. B18800

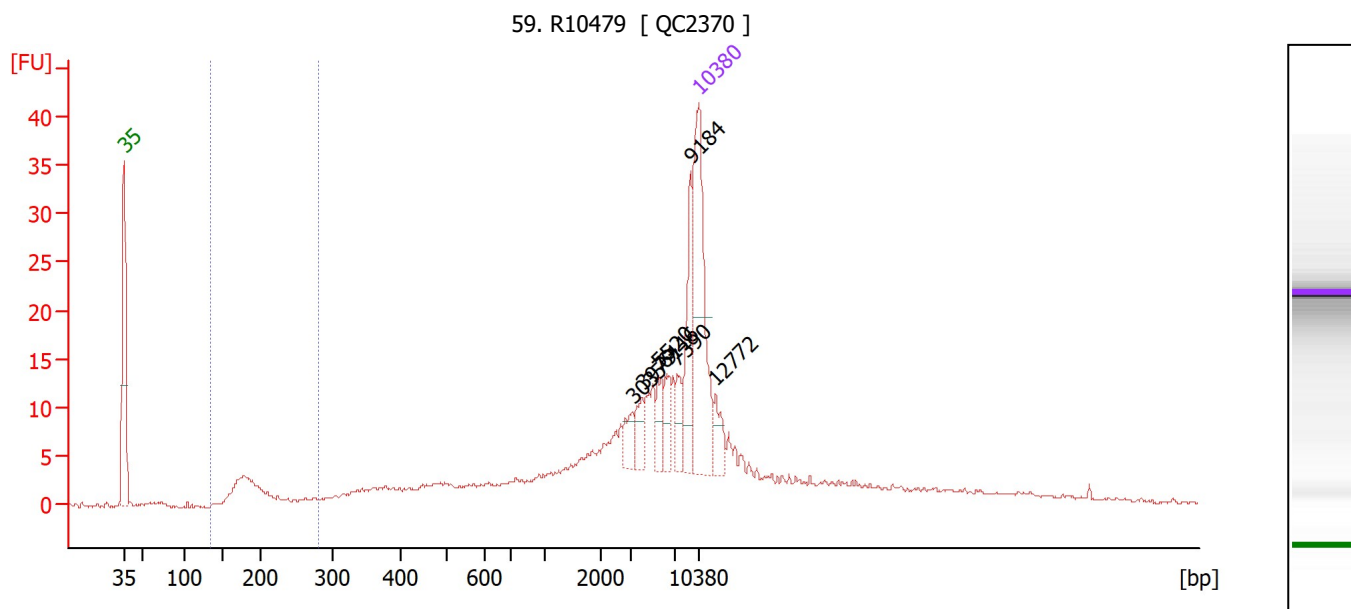
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,954	11.05	3.4	
3	6,515	5.07	1.2	
4	7,518	7.17	1.4	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : 58. B18800

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	49.4	14	202	16.5	62.66	484.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 59. R10479**

Number of peaks found: 7 Corr. Area 1: 22.9
 Noise: 0.2

Peak table for sample 6 : 59. R10479

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,035	10.23	5.1	
3	3,979	11.15	4.2	
4	5,520	10.63	2.9	
5	6,116	11.38	2.8	
6	7,390	11.25	2.3	
7	9,184	33.56	5.5	
8	10,380	75.00	10.9	Upper Marker
9	12,772	0.00	0.0	

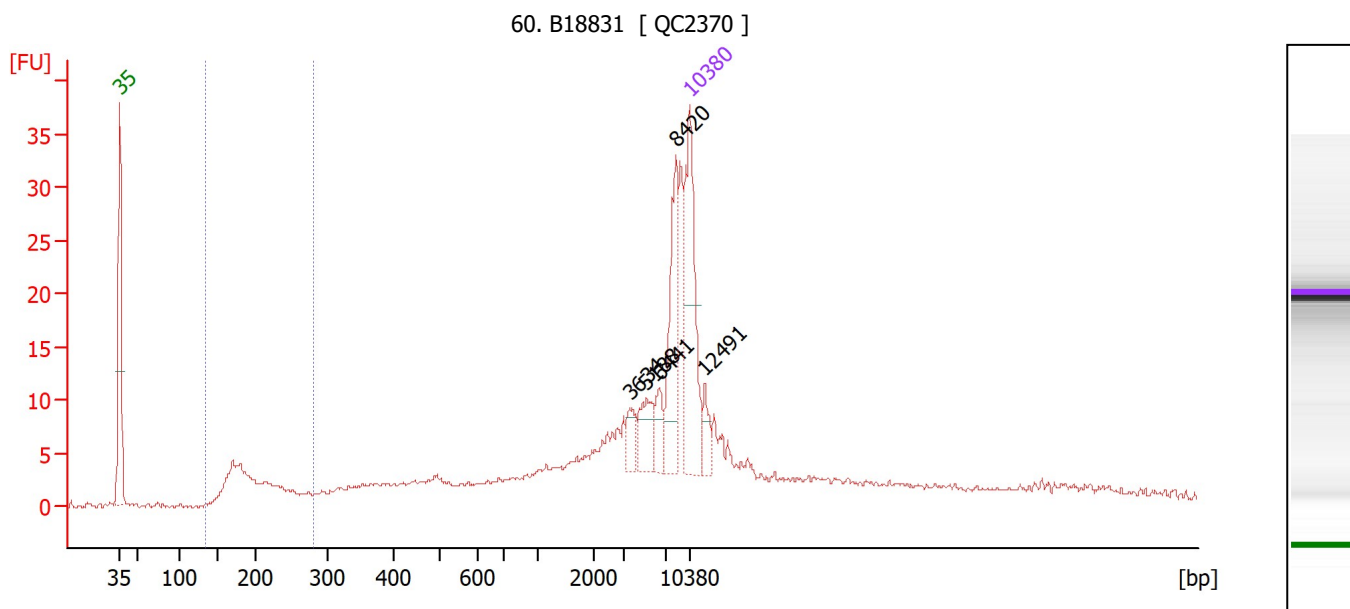
Region table for sample 6 : 59. R10479

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	22.9	8	197	16.3	61.70	488.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 60. B18831

Number of peaks found: 5 Corr. Area 1: 38.7
Noise: 0.2

Peak table for sample 7 : 60. B18831

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,634	11.42	4.8	
3	5,188	20.92	6.1	
4	6,441	14.06	3.3	
5	8,420	53.60	9.6	
6	10,380	75.00	10.9	Upper Marker
7	12,491	0.00	0.0	

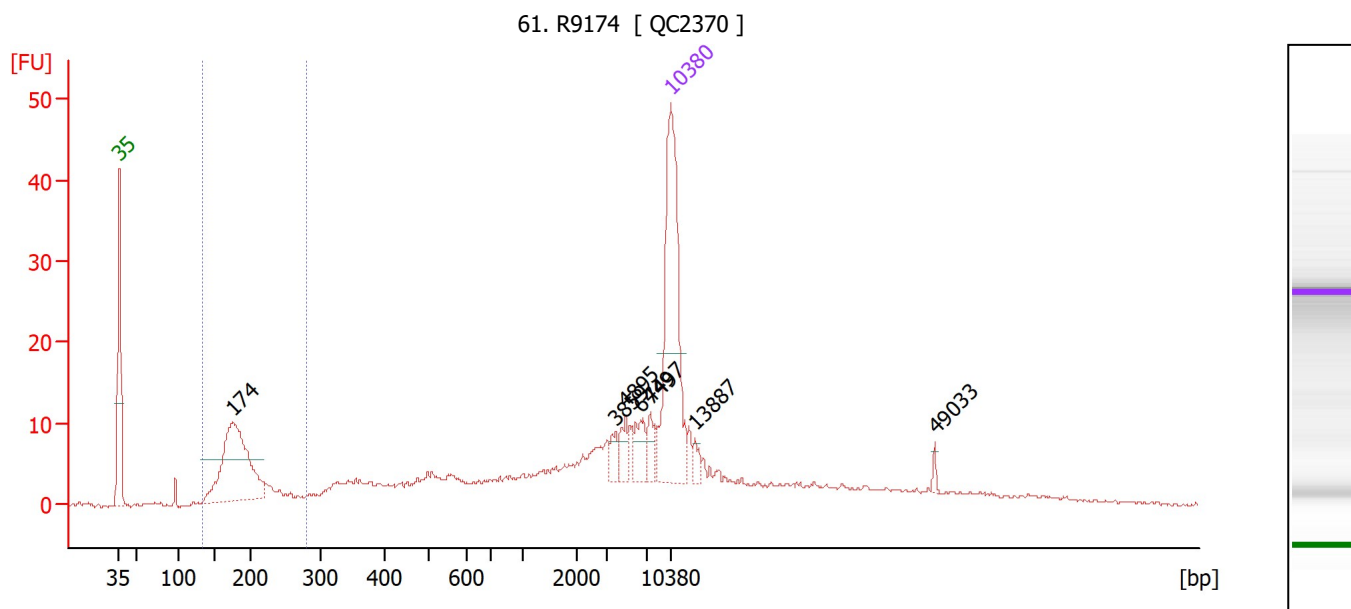
Region table for sample 7 : 60. B18831

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	38.7	12	202	17.2	121.20	943.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 61. R9174

Number of peaks found: 7 Corr. Area 1: 69.9
Noise: 0.2

Peak table for sample 8 : 61. R9174

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	174	107.54	935.5	
3	3,859	5.78	2.3	Upper Marker
4	4,895	7.72	2.4	
5	6,449	11.04	2.6	
6	7,497	6.35	1.3	
7	10,380	75.00	10.9	
8	13,887	0.00	0.0	
9	49,033	0.00	0.0	

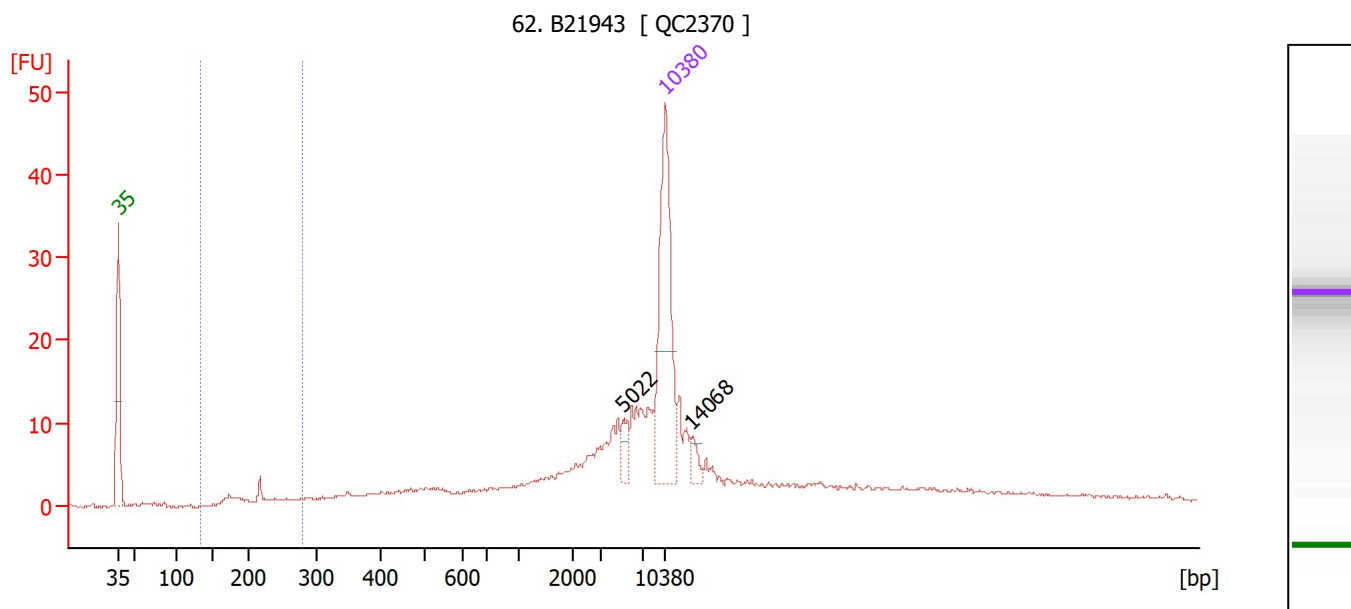
Region table for sample 8 : 61. R9174

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	69.9	22	190	14.7	124.89	1,019.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 62. B21943

Number of peaks found: 2 Corr. Area 1: 16.3
 Noise: 0.2

Peak table for sample 9 : 62. B21943

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	5,022	8.13	2.5	
3	10,380	75.00	10.9	Upper Marker
4	14,068	0.00	0.0	

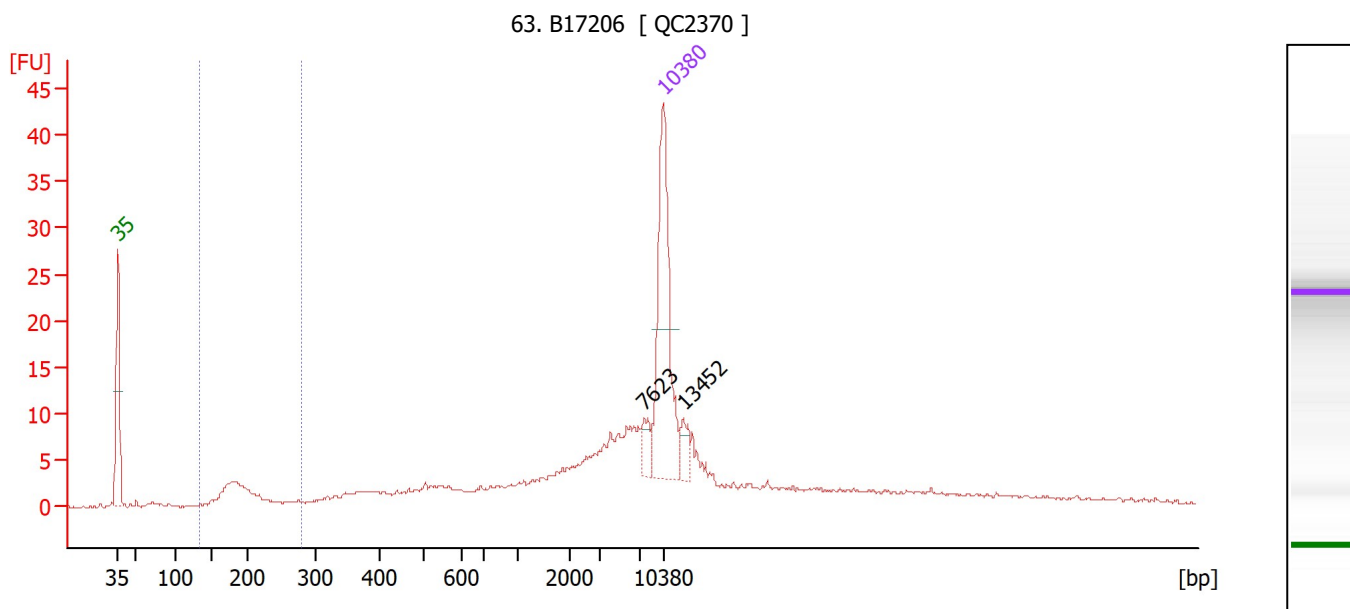
Region table for sample 9 : 62. B21943

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	16.3	6	214	16.8	33.41	244.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 63. B17206

Number of peaks found: 2 Corr. Area 1: 21.4
Noise: 0.1

Peak table for sample 10 : 63. B17206

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	7,623	8.79	1.7	
3	10,380	75.00	10.9	Upper Marker
4	13,452	0.00	0.0	

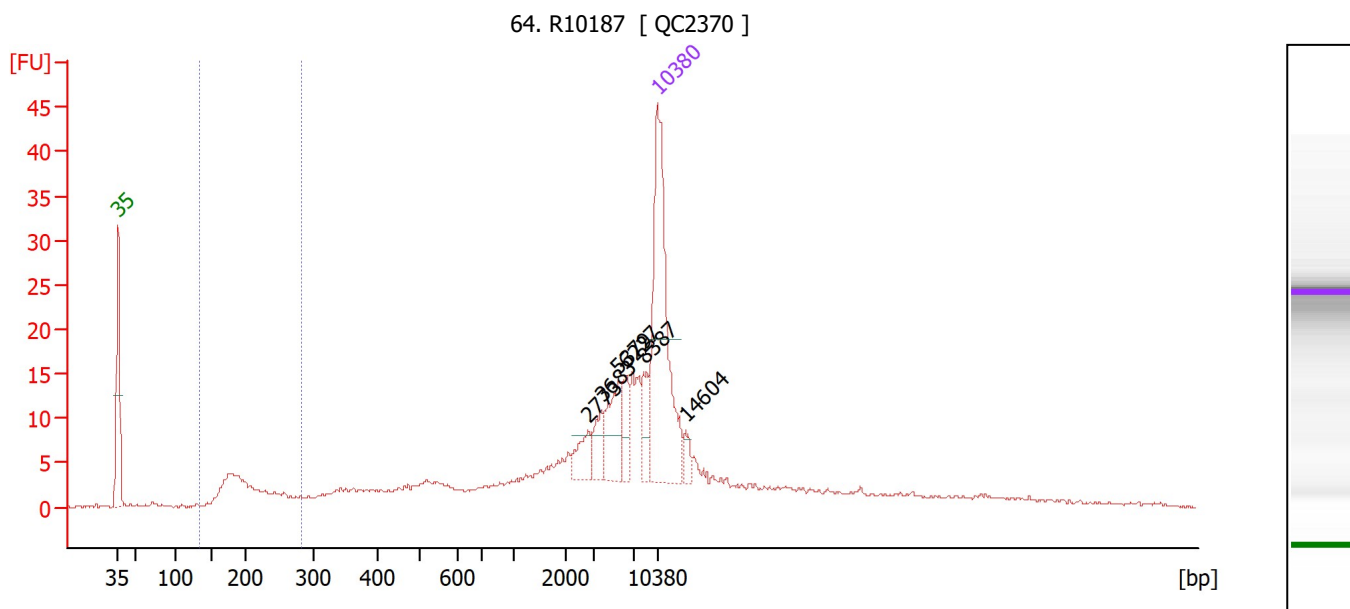
Region table for sample 10 : 63. B17206

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	21.4	10	196	15.9	50.81	403.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
Modified: 12/8/2025 2:03:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 64. R10187

Number of peaks found: 6 Corr. Area 1: 31.7
Noise: 0.2

Peak table for sample 11 : 64. R10187

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,773	9.94	5.4	
3	3,683	10.42	4.3	
4	5,379	18.87	5.3	
5	6,227	12.45	3.0	
6	8,387	9.79	1.8	
7	10,380	75.00	10.9	Upper Marker
8	14,604	0.00	0.0	

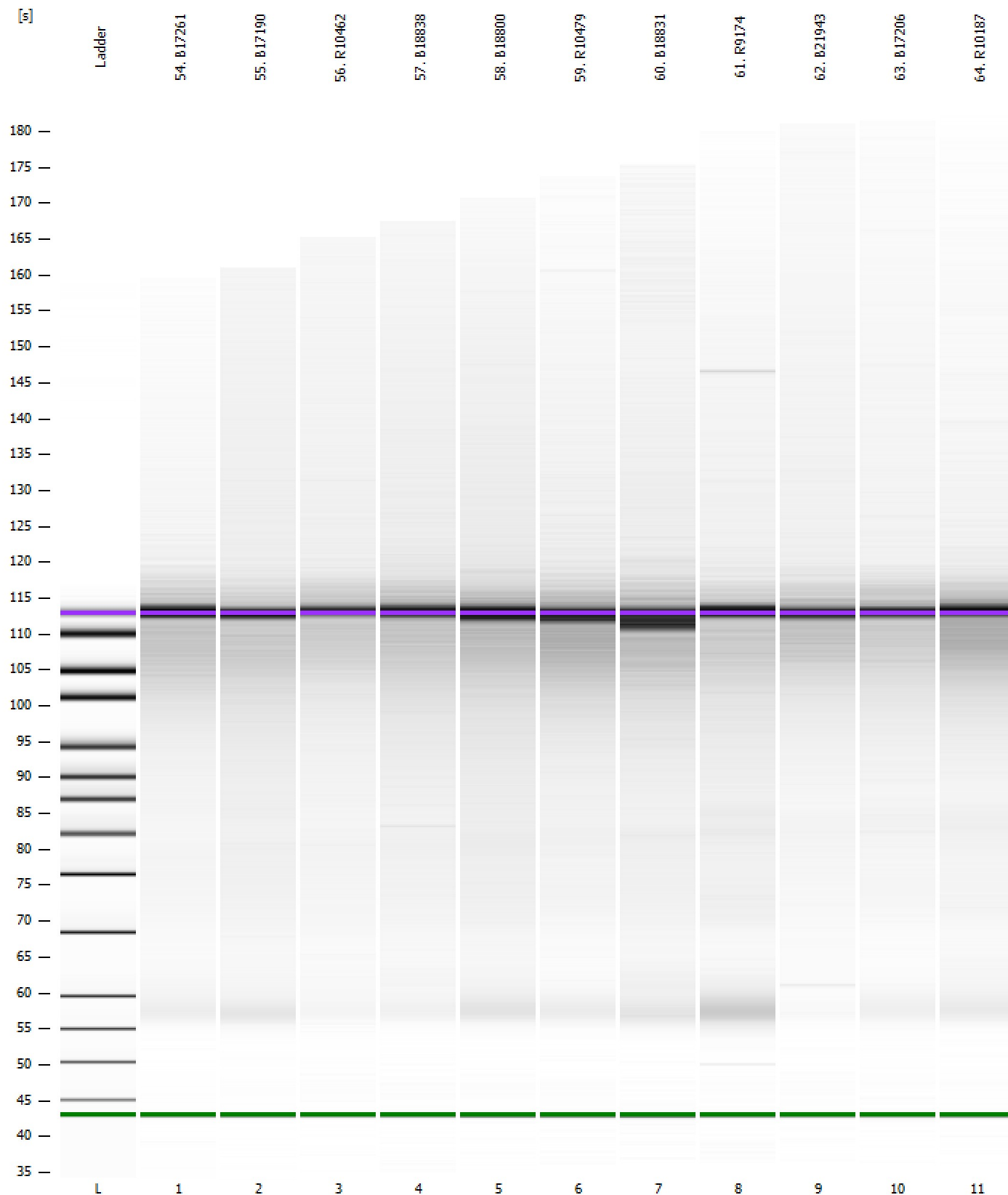
Region table for sample 11 : 64. R10187

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	280	31.7	11	204	16.0	57.94	441.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad

Created: 12/8/2025 10:37:56 AM
 Modified: 12/8/2025 2:03:13 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		12/8/2025 11:19:19 AM	(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\2025-12-08\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-12-08_001.xad)		Instrument	Run		12/8/2025 10:38:04 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/8/2025 10:38:04 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/8/2025 10:38:04 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/8/2025 10:38:04 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/8/2025 10:38:04 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/8/2025 10:38:04 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/8/2025 10:38:04 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB