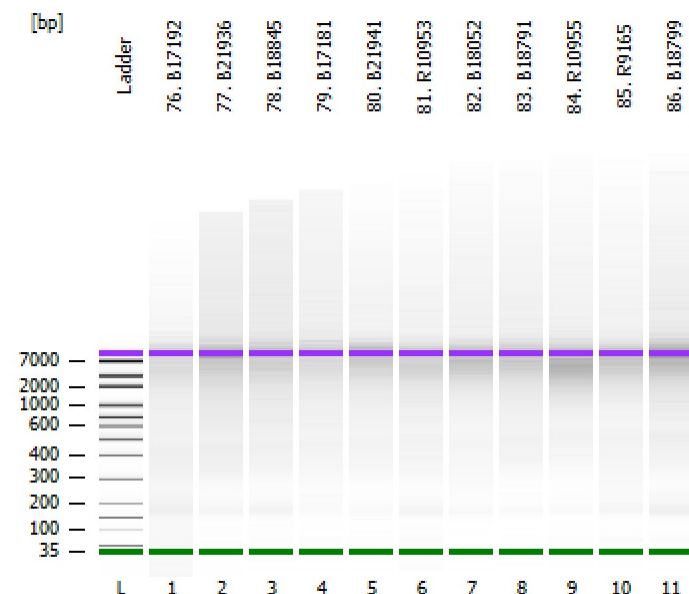


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electrophoresis File Run Summary



Instrument Information:

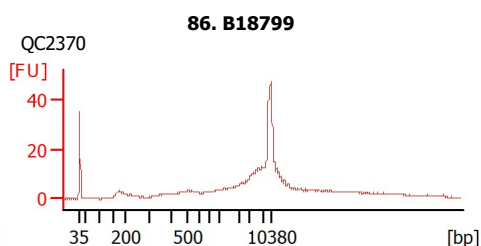
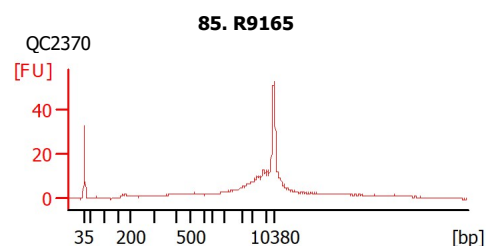
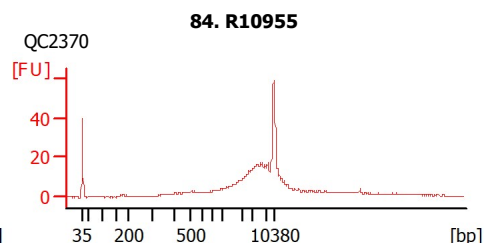
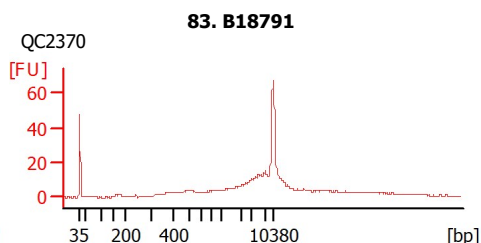
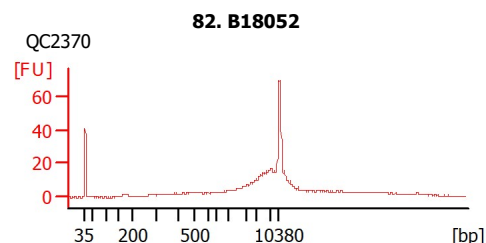
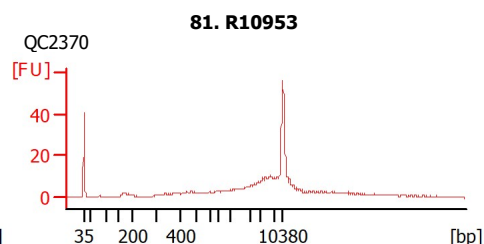
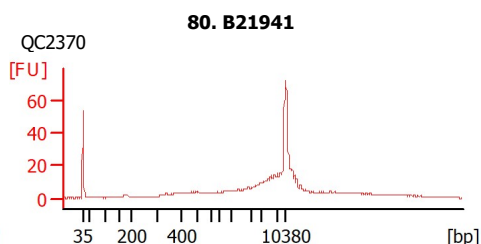
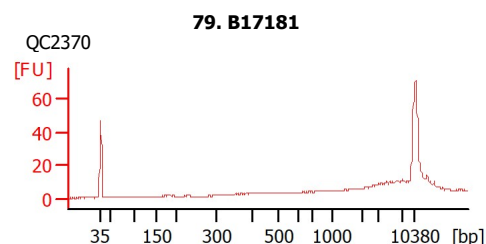
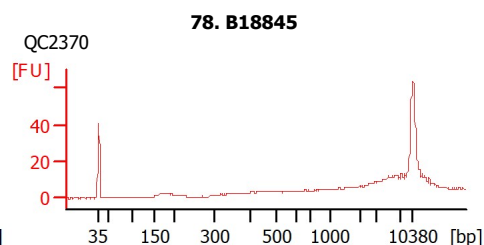
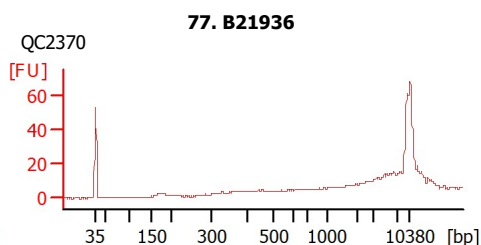
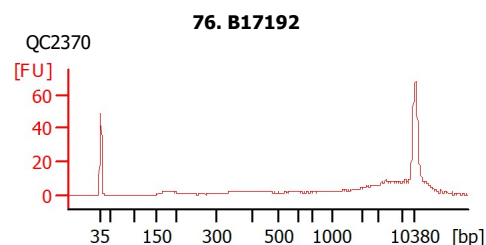
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
76. B17192	QC2370	☐	✓			
77. B21936	QC2370	☐	✓			
78. B18845	QC2370	☐	✓			
79. B17181	QC2370	☐	✓			
80. B21941	QC2370	☐	✓			
81. R10953	QC2370	☐	✓			
82. B18052	QC2370	☐	✓			
83. B18791	QC2370	☐	✓			
84. R10955	QC2370	☐	✓			
85. R9165	QC2370	☐	✓			
86. B18799	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_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 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/ 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

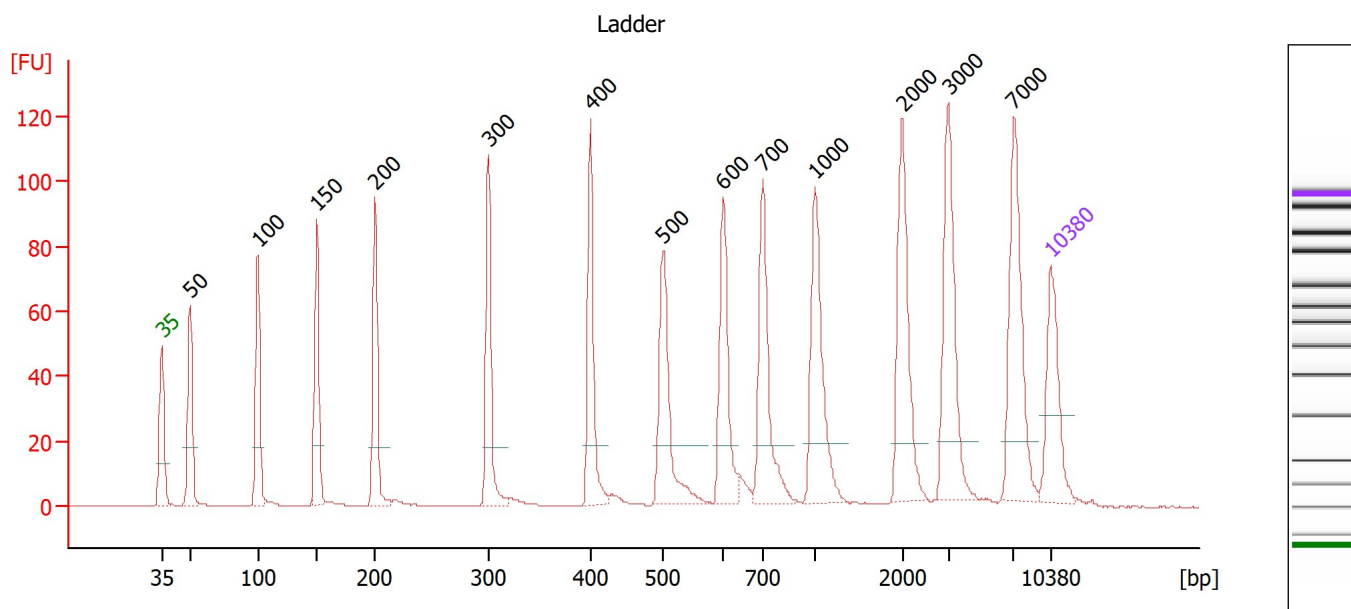
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
 Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

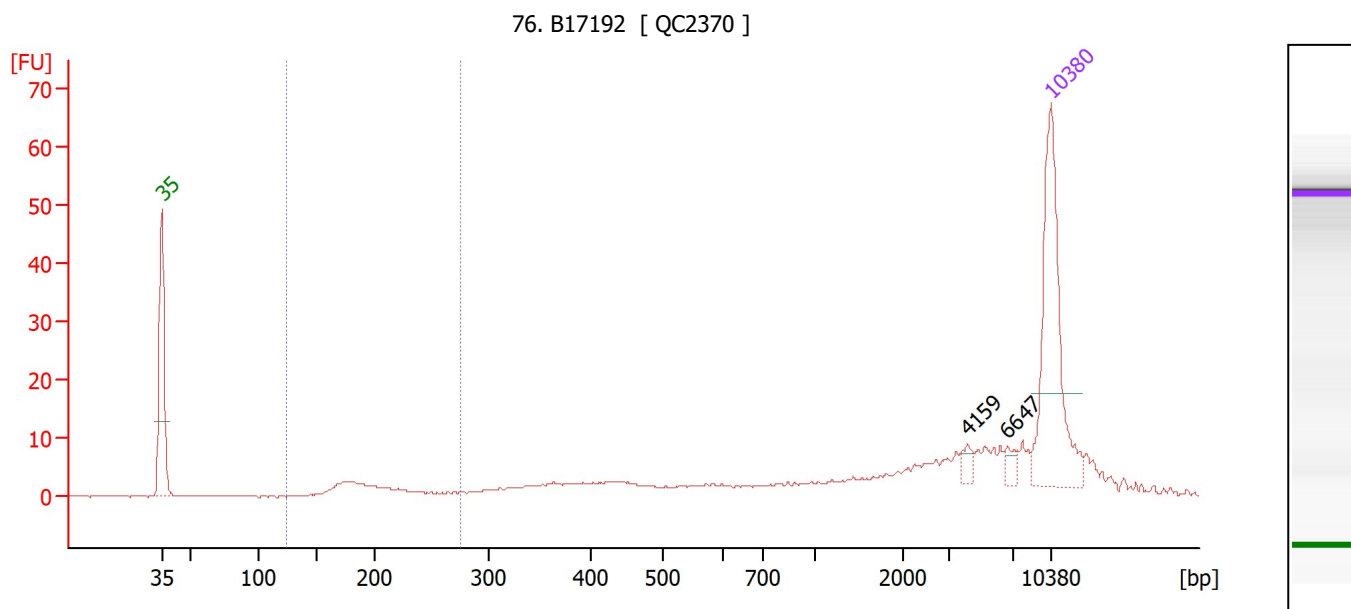
Peak table for Ladder

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_002.xad

Created: 12/8/2025 11:34:44 AM
 Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 76. B17192

Number of peaks found: 2 Corr. Area 1: 28.5
 Noise: 0.2

Peak table for sample 1 : 76. B17192

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,159	4.97	1.8	
3	6,647	5.36	1.2	
4	10,380	75.00	10.9	Upper Marker

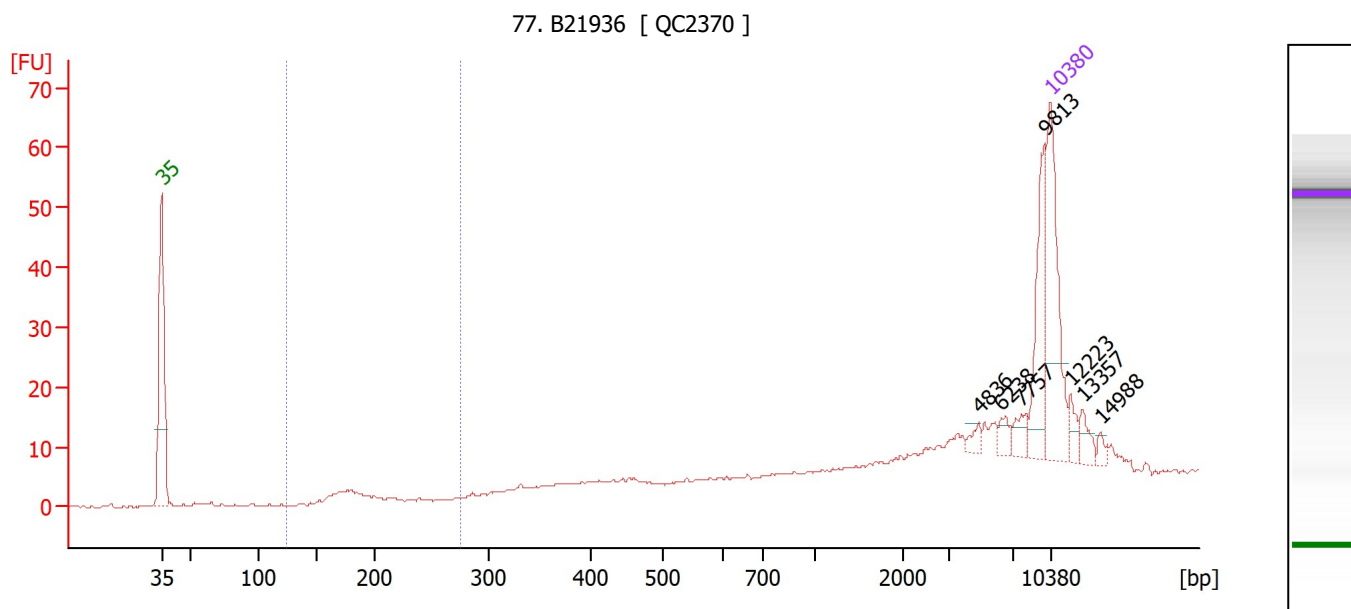
Region table for sample 1 : 76. B17192

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	28.5	11	201	16.9	44.06	343.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 77. B21936

Number of peaks found: 7 Corr. Area 1: 15.1
Noise: 0.3

Peak table for sample 2 : 77. B21936

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,836	5.16	1.6	
3	6,238	7.92	1.9	
4	7,757	9.61	1.9	
5	9,813	48.92	7.6	
6	10,380	75.00	10.9	Upper Marker
7	12,223	0.00	0.0	
8	13,357	0.00	0.0	
9	14,988	0.00	0.0	

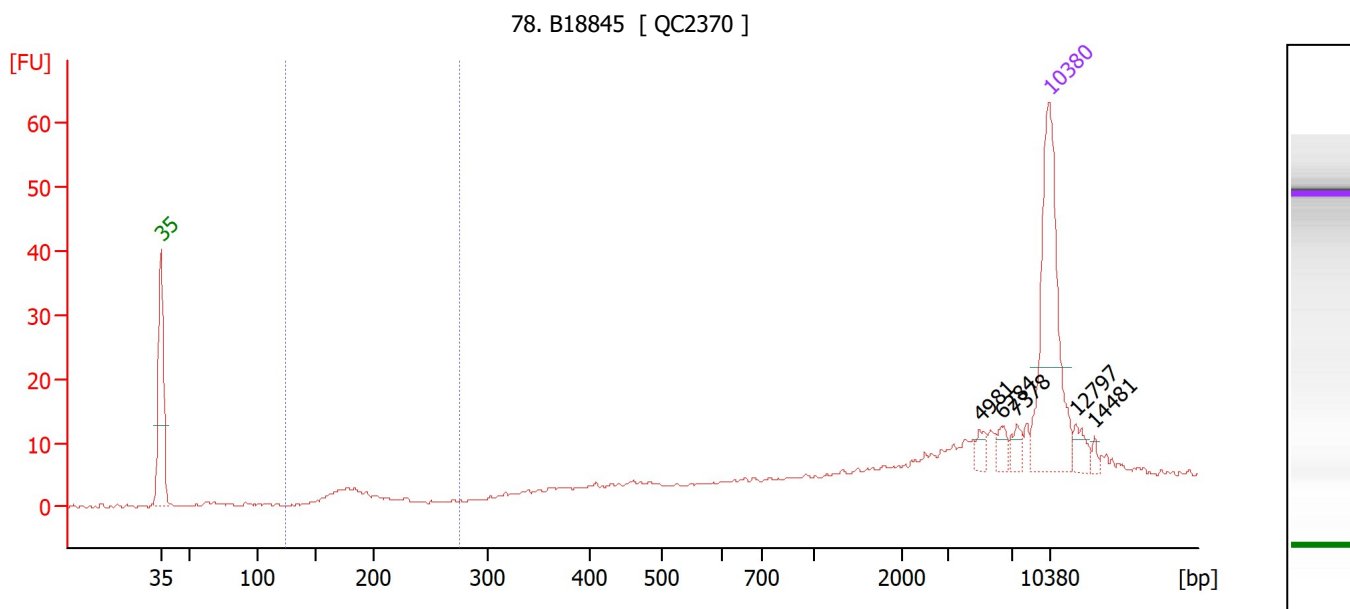
Region table for sample 2 : 77. B21936

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	15.1	4	195	16.1	36.73	292.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 78. B18845

Number of peaks found: 5 Corr. Area 1: 12.3
Noise: 0.3

Peak table for sample 3 : 78. B18845

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,981	4.92	1.5	
3	6,284	5.78	1.4	
4	7,378	5.44	1.1	
5	10,380	75.00	10.9	Upper Marker
6	12,797	0.00	0.0	
7	14,481	0.00	0.0	

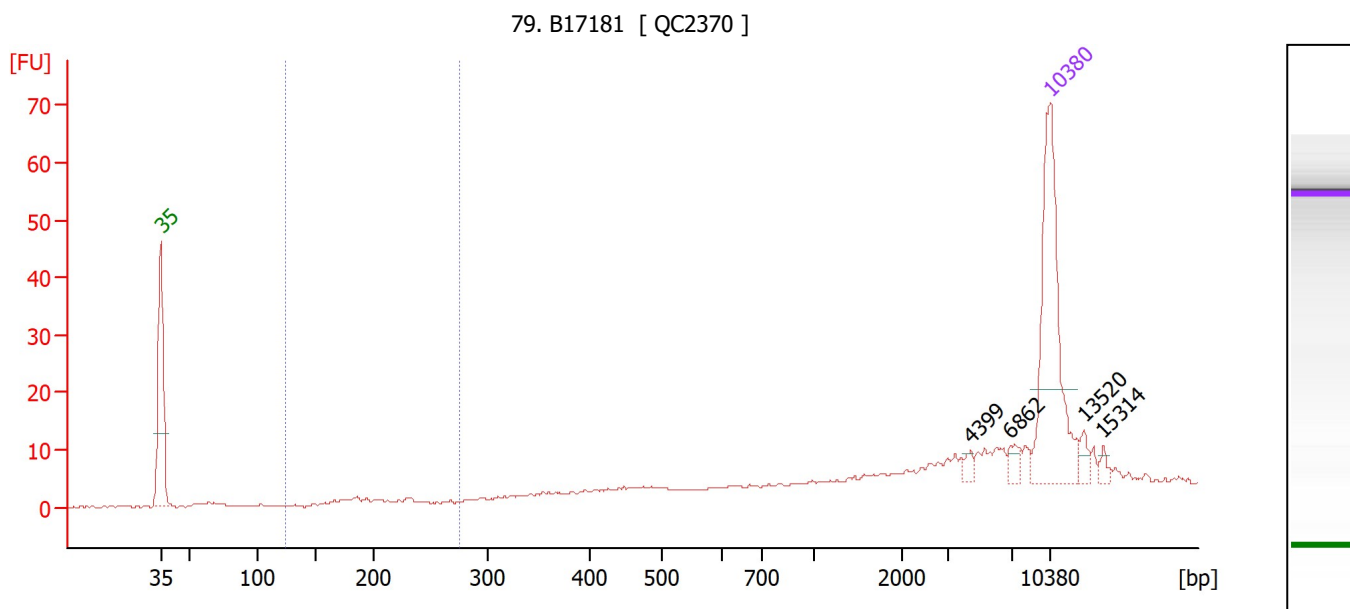
Region table for sample 3 : 78. B18845

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	12.3	5	184	10.2	22.30	185.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 79. B17181

Number of peaks found: 4 Corr. Area 1: 8.4
Noise: 0.2

Peak table for sample 4 : 79. B17181

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,399	3.69	1.3	
3	6,862	5.22	1.2	
4	10,380	75.00	10.9	Upper Marker
5	13,520	0.00	0.0	
6	15,314	0.00	0.0	

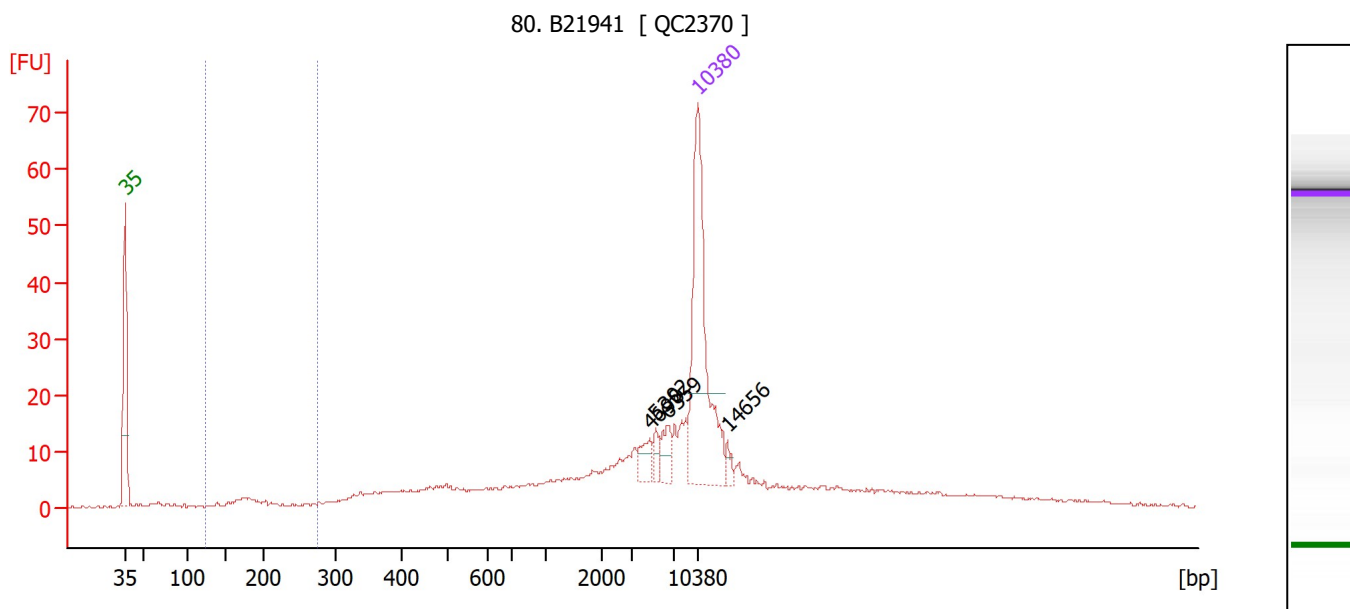
Region table for sample 4 : 79. B17181

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	8.4	3	206	14.3	13.04	98.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 80. B21941

Number of peaks found: 4 Corr. Area 1: 16.6
Noise: 0.2

Peak table for sample 5 : 80. B21941

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,698	7.97	2.6	
3	5,302	4.68	1.3	
4	6,359	8.87	2.1	
5	10,380	75.00	10.9	Upper Marker
6	14,656	0.00	0.0	

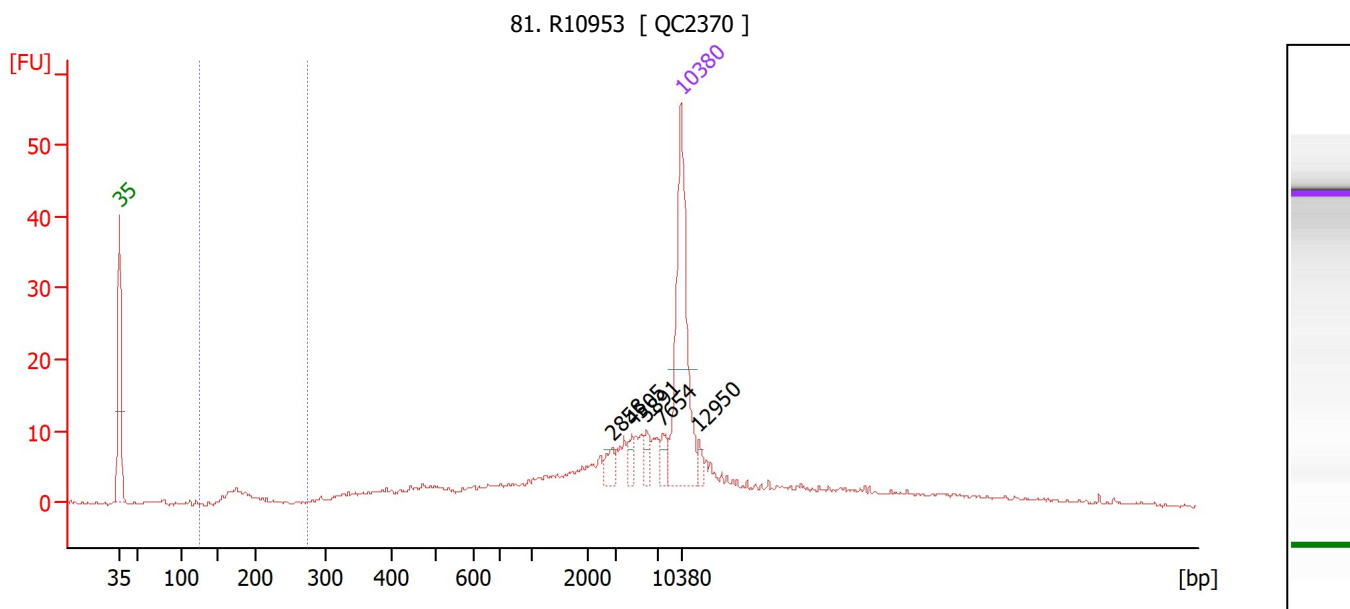
Region table for sample 5 : 80. B21941

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	16.6	5	195	18.7	20.84	168.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 81. R10953

Number of peaks found: 5 Corr. Area 1: 13.7
Noise: 0.2

Peak table for sample 6 : 81. R10953

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,858	6.90	3.7	
3	4,505	5.86	2.0	
4	5,891	6.73	1.7	
5	7,654	7.34	1.5	
6	10,380	75.00	10.9	Upper Marker
7	12,950	0.00	0.0	

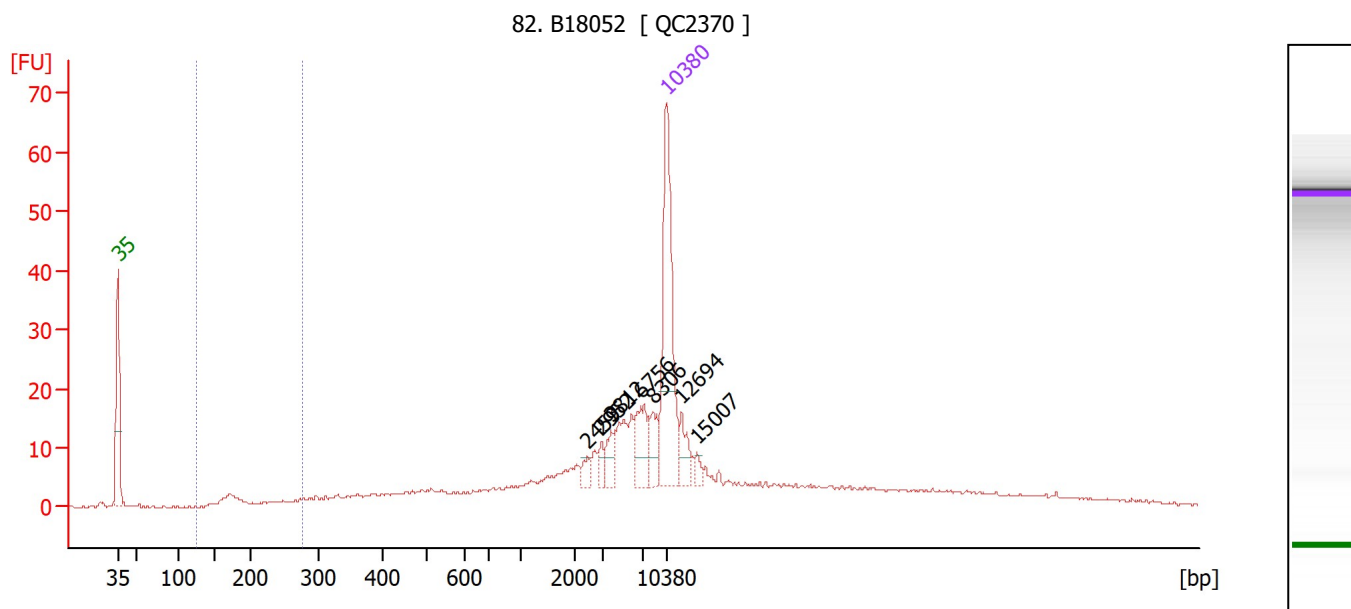
Region table for sample 6 : 81. R10953

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	13.7	5	190	14.9	27.45	223.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 82. B18052

Number of peaks found: 7 Corr. Area 1: 19.6
Noise: 0.2

Peak table for sample 7 : 82. B18052

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,459	5.39	3.3	
3	2,952	5.75	3.0	
4	3,812	9.10	3.6	
5	6,756	20.76	4.7	
6	8,306	14.50	2.6	
7	10,380	75.00	10.9	Upper Marker
8	12,694	0.00	0.0	
9	15,007	0.00	0.0	

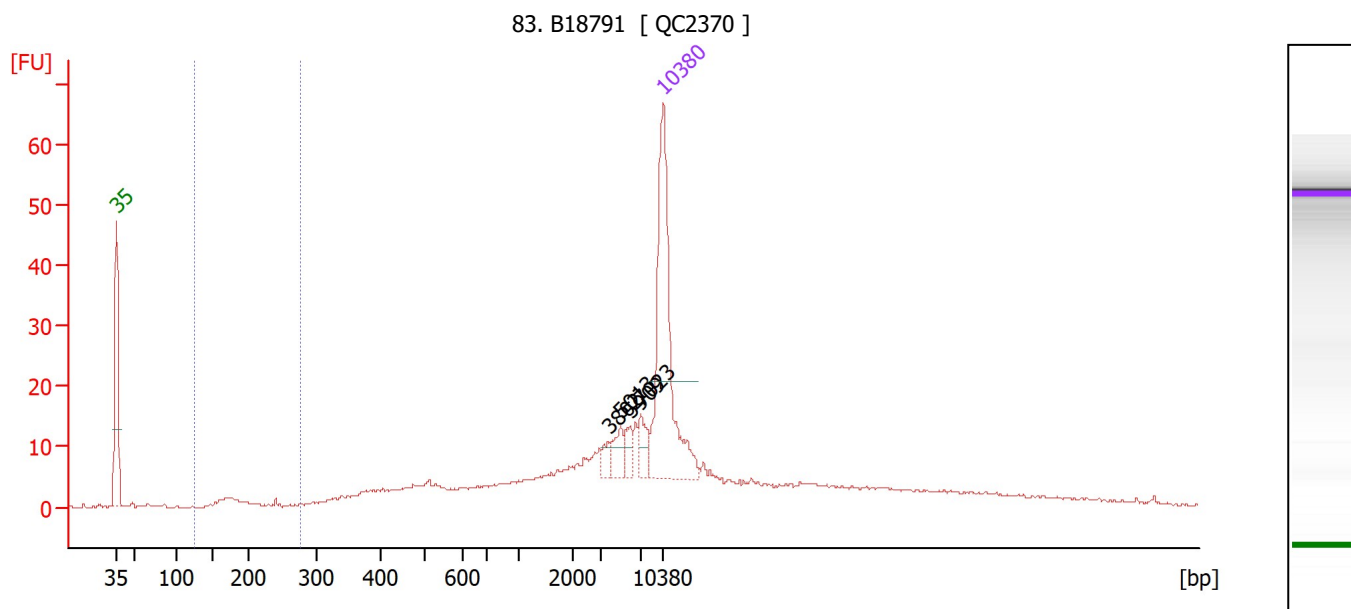
Region table for sample 7 : 82. B18052

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	19.6	5	204	19.3	35.26	275.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 83. B18791

Number of peaks found: 4 Corr. Area 1: 12.6
Noise: 0.2

Peak table for sample 8 : 83. B18791

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,802	4.34	1.7	
3	5,013	8.33	2.5	
4	5,909	5.74	1.5	
5	7,023	9.28	2.0	
6	10,380	75.00	10.9	Upper Marker

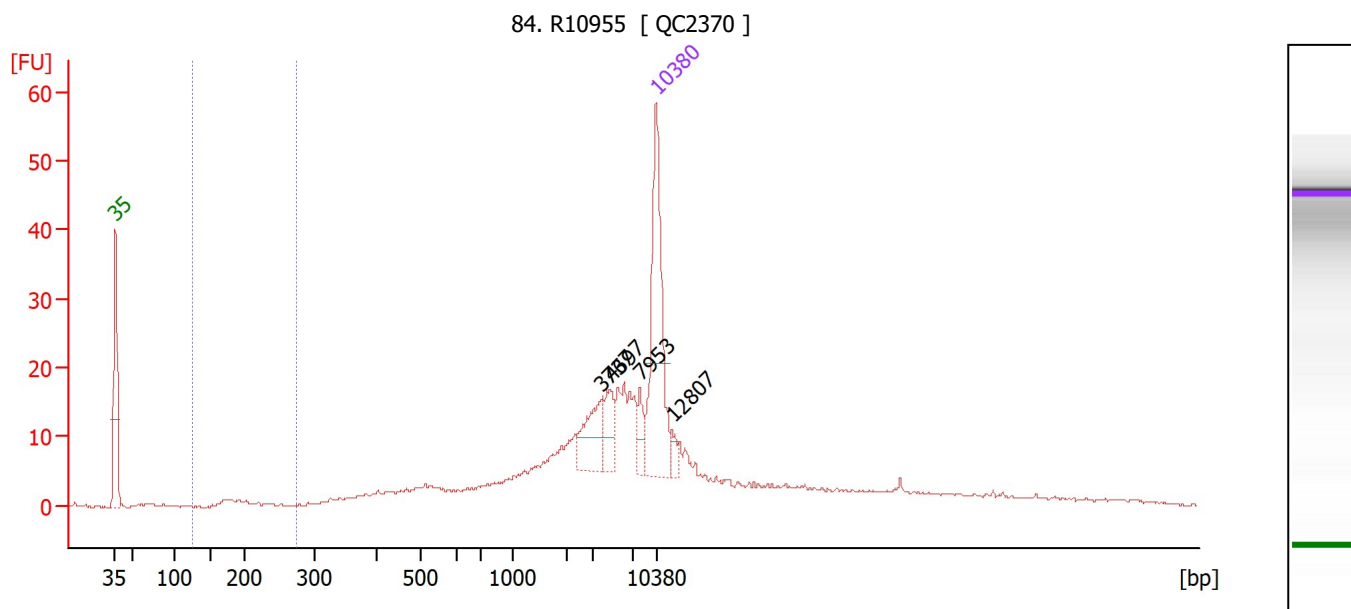
Region table for sample 8 : 83. B18791

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	12.6	4	194	17.3	17.23	138.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 84. R10955

Number of peaks found: 4 Corr. Area 1: 6.1
Noise: 0.2

Peak table for sample 9 : 84. R10955

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,737	27.74	11.2	
3	4,697	16.23	5.2	
4	7,953	9.17	1.7	
5	10,380	75.00	10.9	Upper Marker
6	12,807	0.00	0.0	

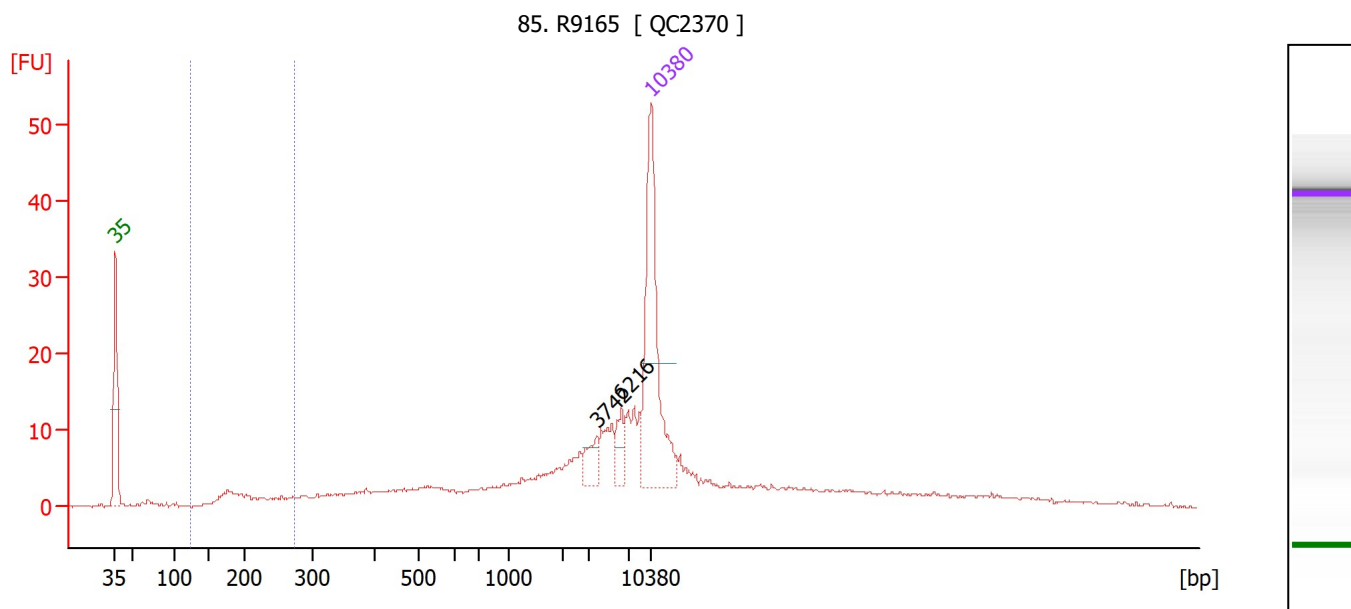
Region table for sample 9 : 84. R10955

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	6.1	2	194	12.9	11.94	94.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 85. R9165

Number of peaks found: 2 Corr. Area 1: 20.4
Noise: 0.2

Peak table for sample 10 : 85. R9165

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,742	10.26	4.2	
3	6,216	10.61	2.6	
4	10,380	75.00	10.9	Upper Marker

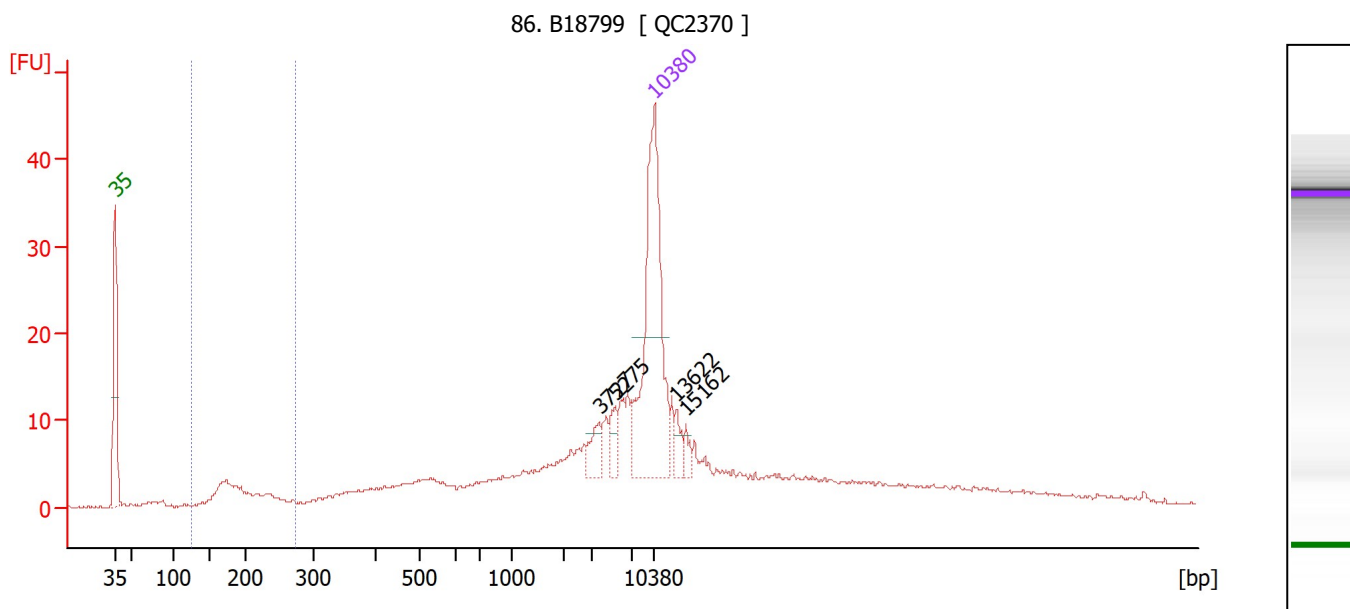
Region table for sample 10 : 85. R9165

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	20.4	8	208	17.1	36.65	277.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
Modified: 12/8/2025 2:05:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 86. B18799

Number of peaks found: 4 Corr. Area 1: 26.8
Noise: 0.2

Peak table for sample 11 : 86. B18799

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,727	7.54	3.1	
3	5,275	6.67	1.9	
4	10,380	75.00	10.9	Upper Marker
5	13,622	0.00	0.0	
6	15,162	0.00	0.0	

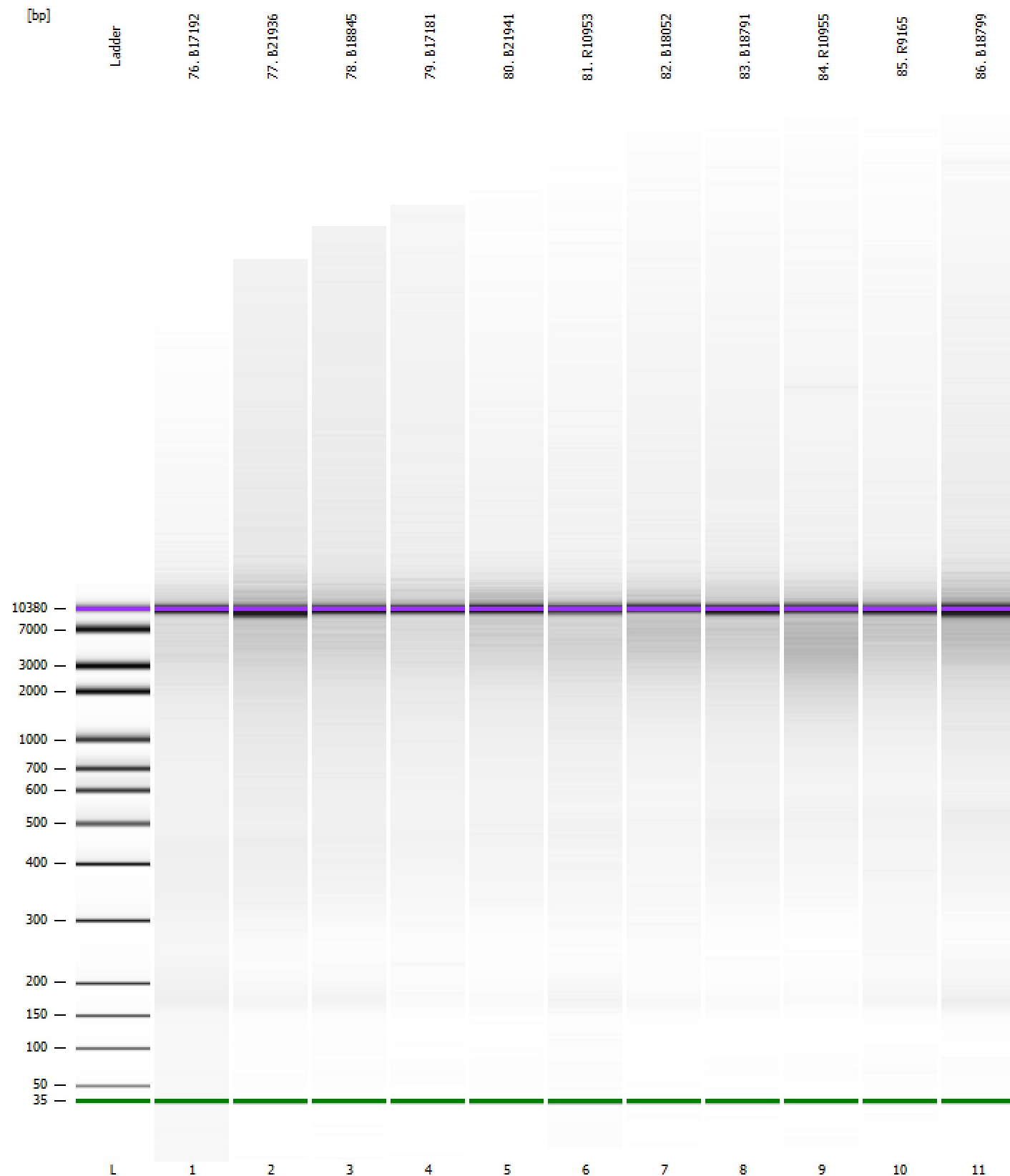
Region table for sample 11 : 86. B18799

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
125	275	26.8	9	196	16.7	41.87	333.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
 Modified: 12/8/2025 2:05:35 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad

Created: 12/8/2025 11:34:44 AM
 Modified: 12/8/2025 2:05:35 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 12:15:11 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\2025-12-08\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-12-08_002.xad)		Instrument	Run		12/8/2025 11:34:50 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/8/2025 11:34:50 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/8/2025 11:34:50 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/8/2025 11:34:50 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/8/2025 11:34:50 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/8/2025 11:34:50 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/8/2025 11:34:50 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB