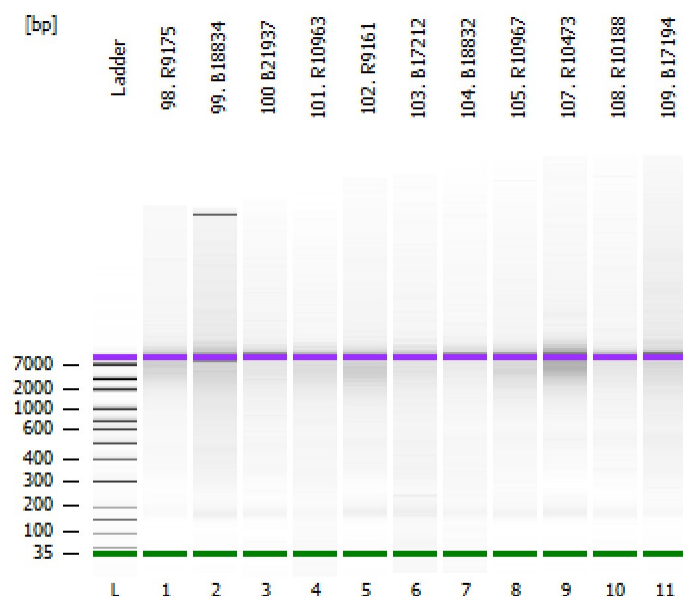


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
Modified: 12/8/2025 3:29:06 PM

Electrophoresis File Run Summary



Instrument Information:

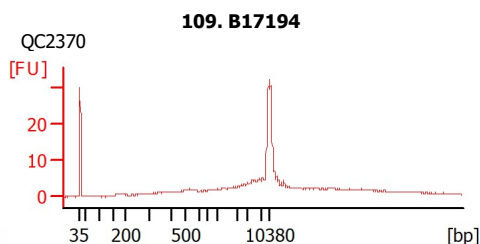
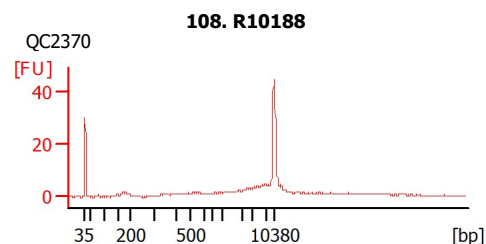
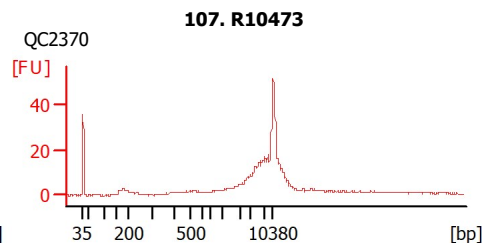
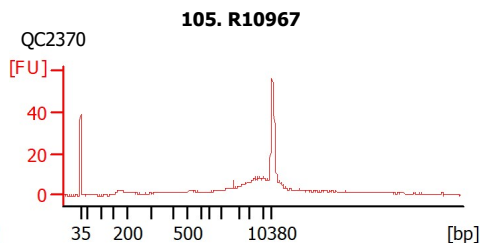
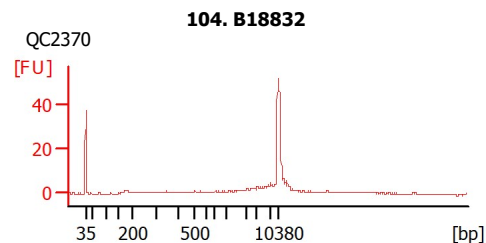
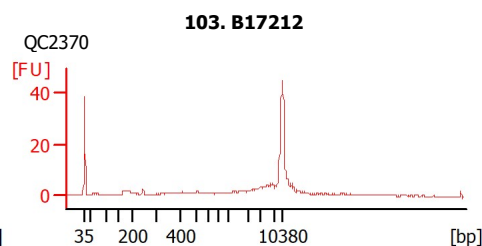
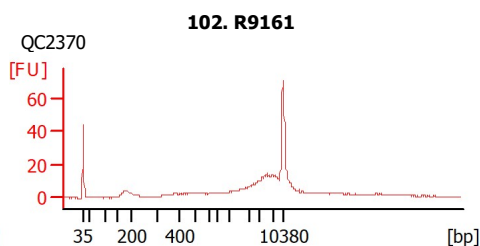
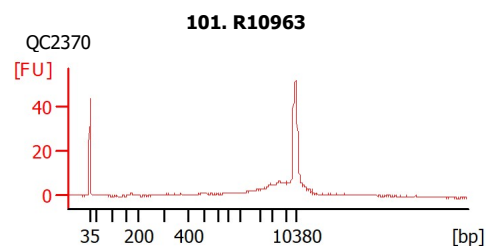
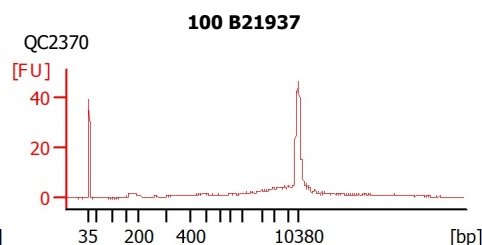
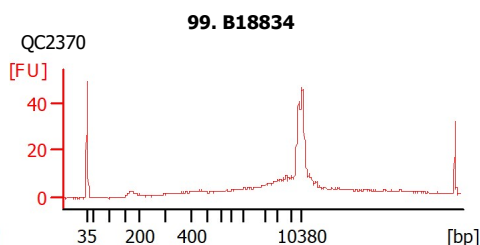
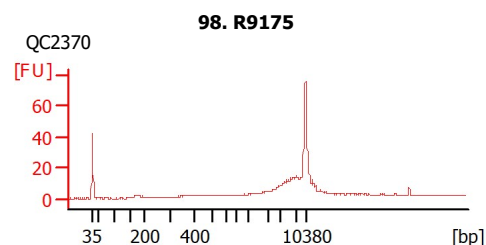
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_004.xad

Created: 12/8/2025 2:35:51 PM
Modified: 12/8/2025 3:29:06 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
98. R9175	QC2370	☐	✓			
99. B18834	QC2370	☐	✓			
100. B21937	QC2370	☐	✓			
101. R10963	QC2370	☐	✓			
102. R9161	QC2370	☐	✓			
103. B17212	QC2370	☐	✓			
104. B18832	QC2370	☐	✓			
105. R10967	QC2370	☐	✓			
107. R10473	QC2370	☐	✓			
108. R10188	QC2370	☐	✓			
109. B17194	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_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 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

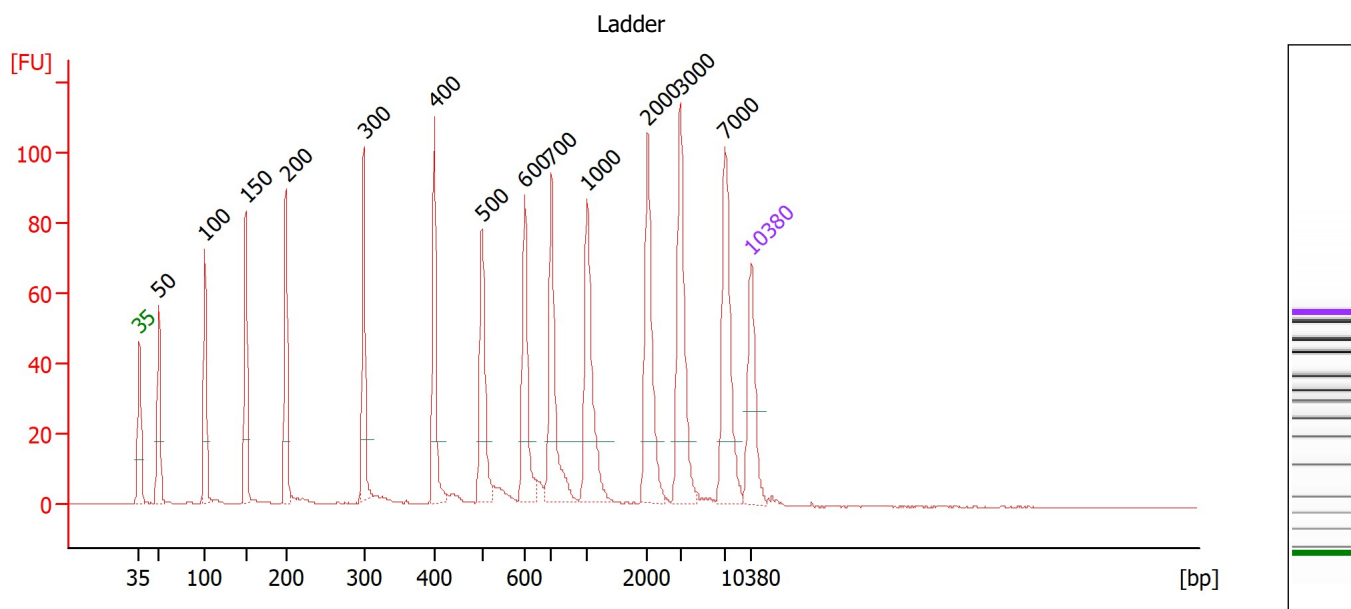
Ladder

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_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

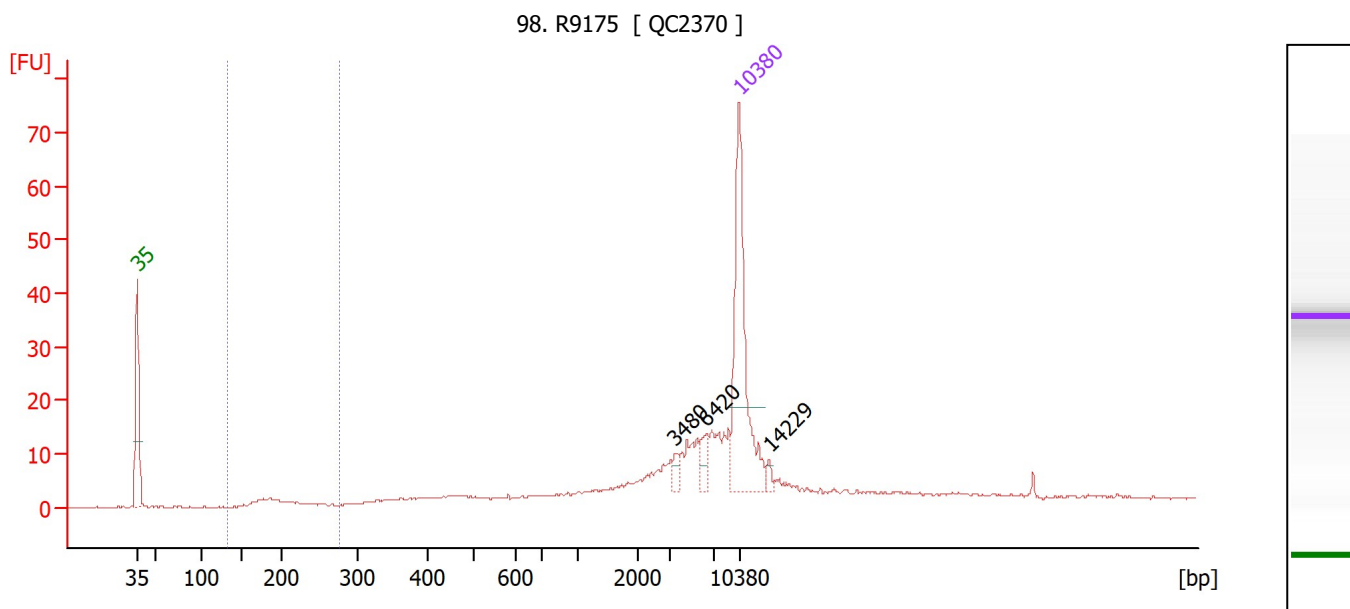
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 98. R9175

Number of peaks found: 3 Corr. Area 1: 10.4
Noise: 0.1

Peak table for sample 1 : 98. R9175

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,480	4.46	1.9	
3	6,420	8.78	2.1	
4	10,380	75.00	10.9	Upper Marker
5	14,229	0.00	0.0	

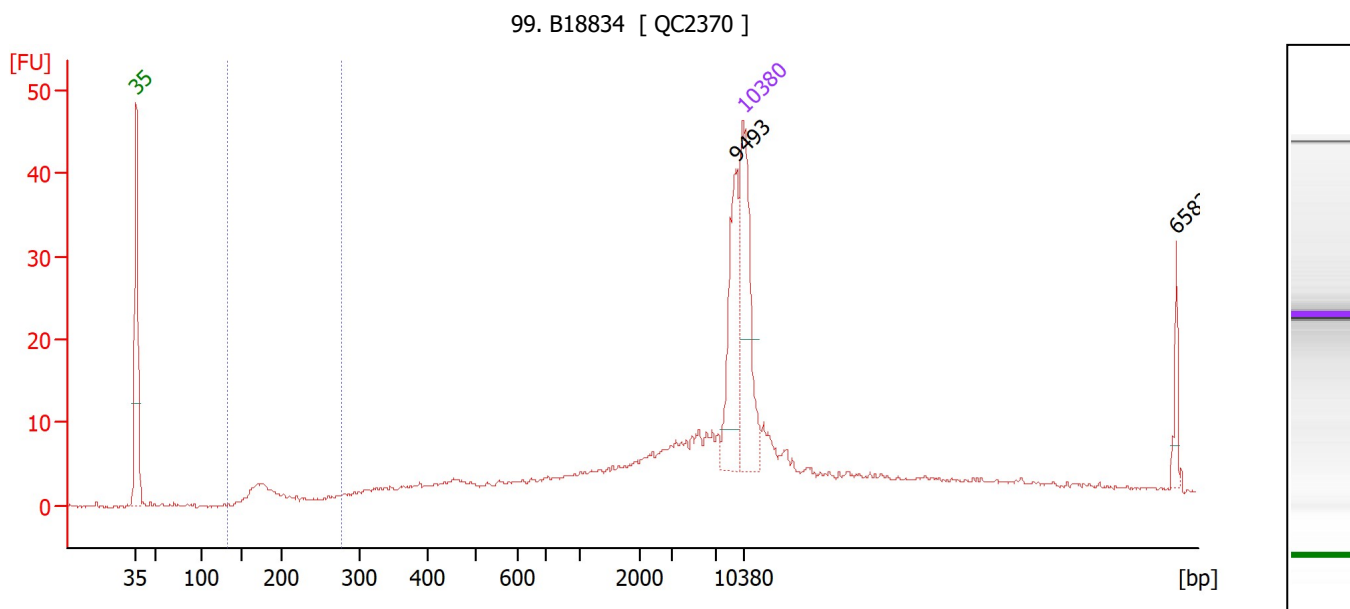
Region table for sample 1 : 98. R9175

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	10.4	5	195	13.0	16.21	127.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 99. B18834

Number of peaks found: 2 Corr. Area 1: 20.5
Noise: 0.2

Peak table for sample 2 : 99. B18834

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	9,493	62.59	10.0	
3	10,380	75.00	10.9	Upper Marker
4	65,822	0.00	0.0	

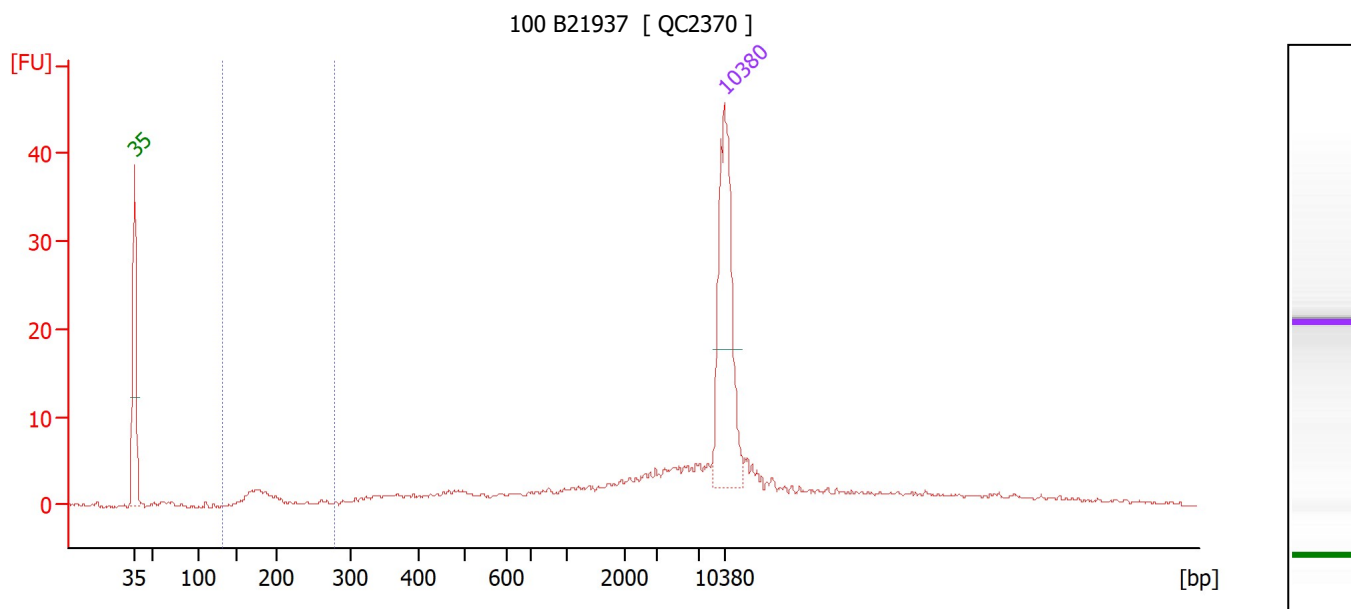
Region table for sample 2 : 99. B18834

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	20.5	7	198	17.9	54.57	432.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 100 B21937

Number of peaks found: 0 Corr. Area 1: 12.2
 Noise: 0.2

Peak table for sample 3 : 100 B21937

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

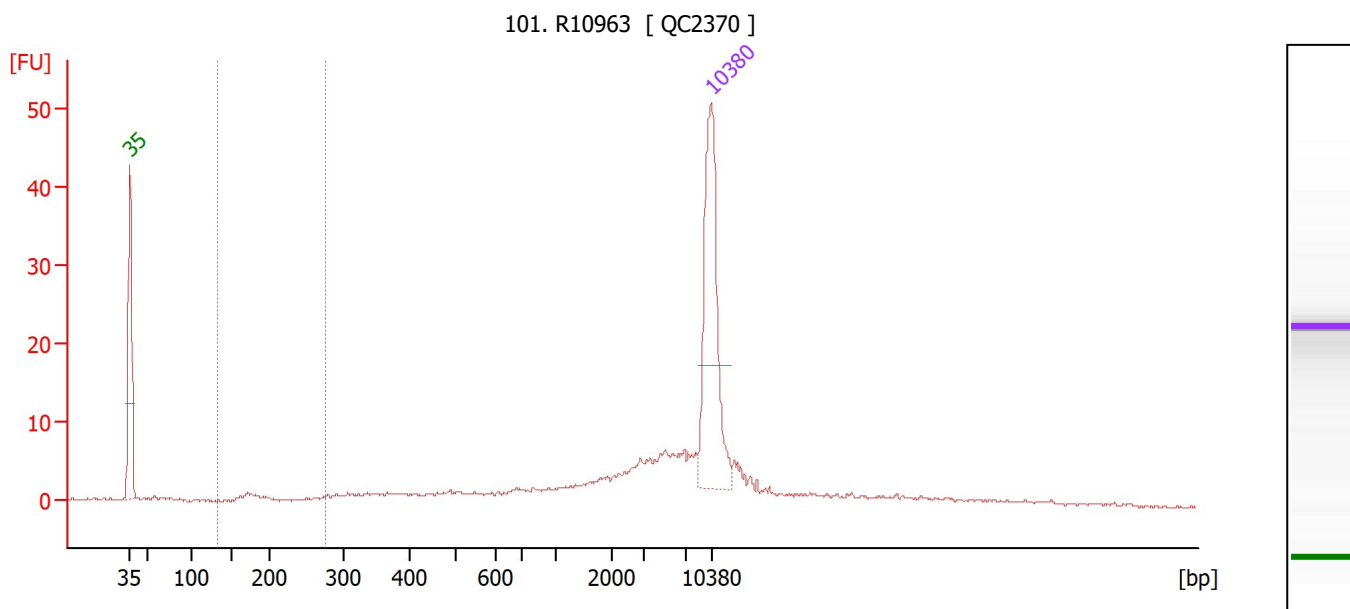
Region table for sample 3 : 100 B21937

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	12.2	8	193	16.1	24.08	193.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 101. R10963

Number of peaks found: 0 Corr. Area 1: 6.7
 Noise: 0.2

Peak table for sample 4 : 101. R10963

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

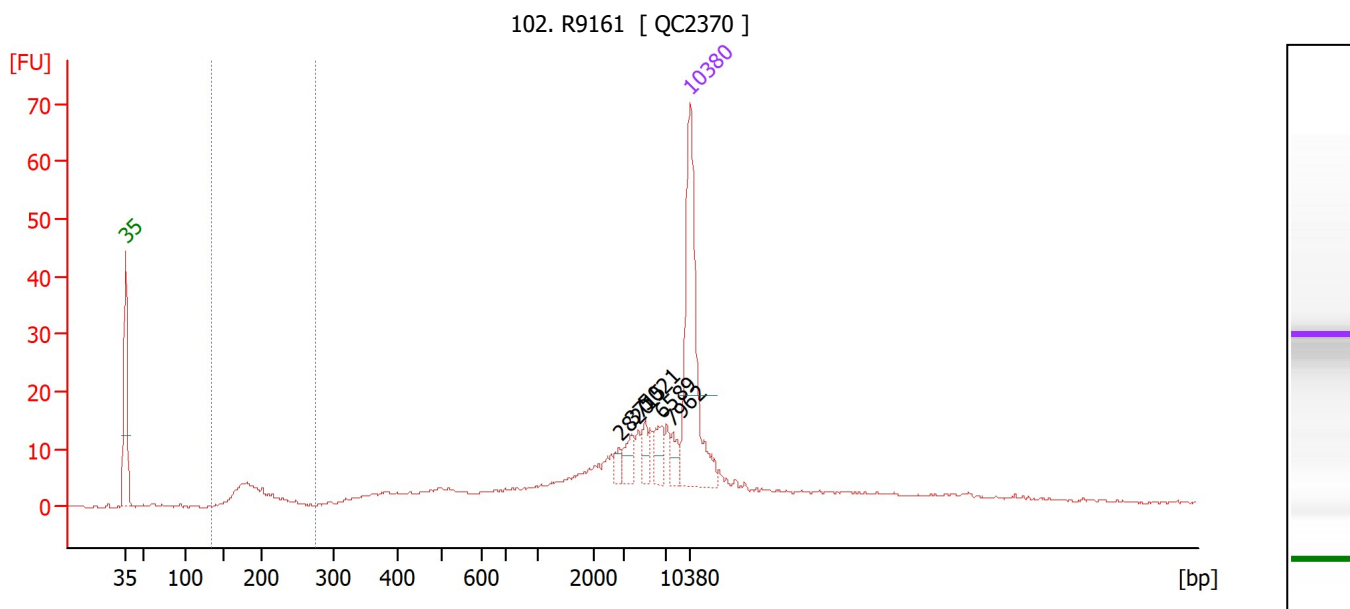
Region table for sample 4 : 101. R10963

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	6.7	5	205	18.8	11.74	90.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 102. R9161

Number of peaks found: 5 Corr. Area 1: 30.3
 Noise: 0.2

Peak table for sample 5 : 102. R9161

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,820	3.92	2.1	
3	3,715	8.95	3.7	
4	5,021	7.75	2.3	
5	6,589	10.76	2.5	
6	7,962	7.12	1.4	
7	10,380	75.00	10.9	Upper Marker

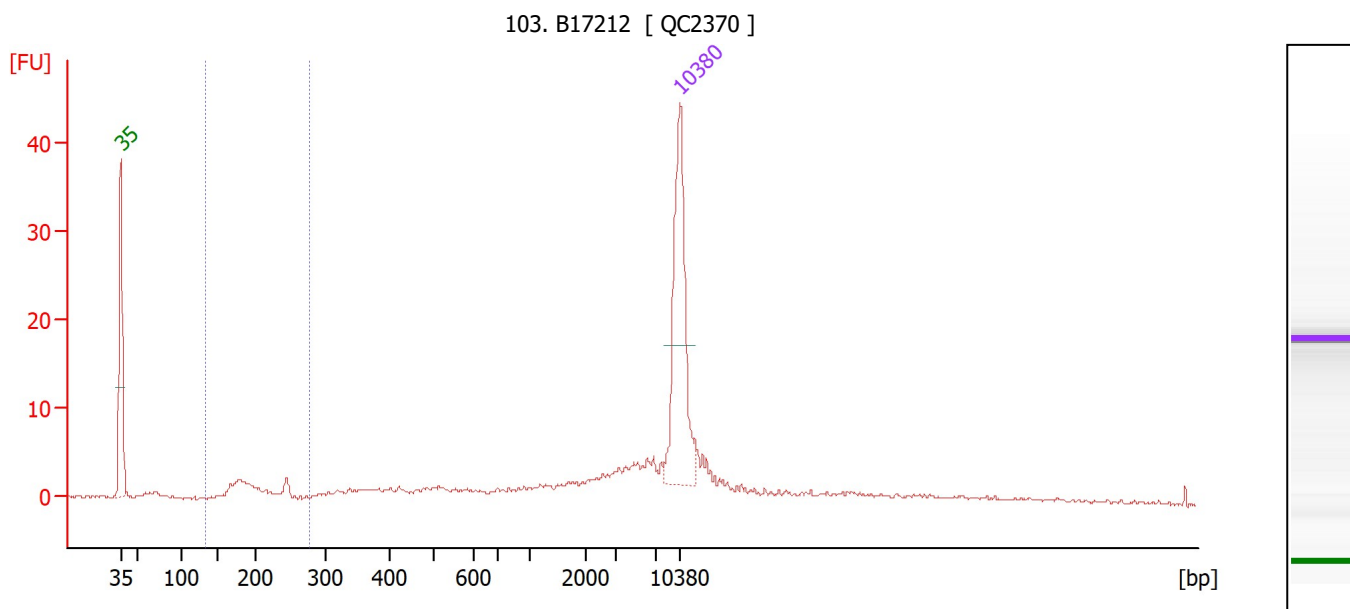
Region table for sample 5 : 102. R9161

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	30.3	10	193	13.3	46.92	374.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 103. B17212

Number of peaks found: 0 Corr. Area 1: 13.8
 Noise: 0.2

Peak table for sample 6 : 103. B17212

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

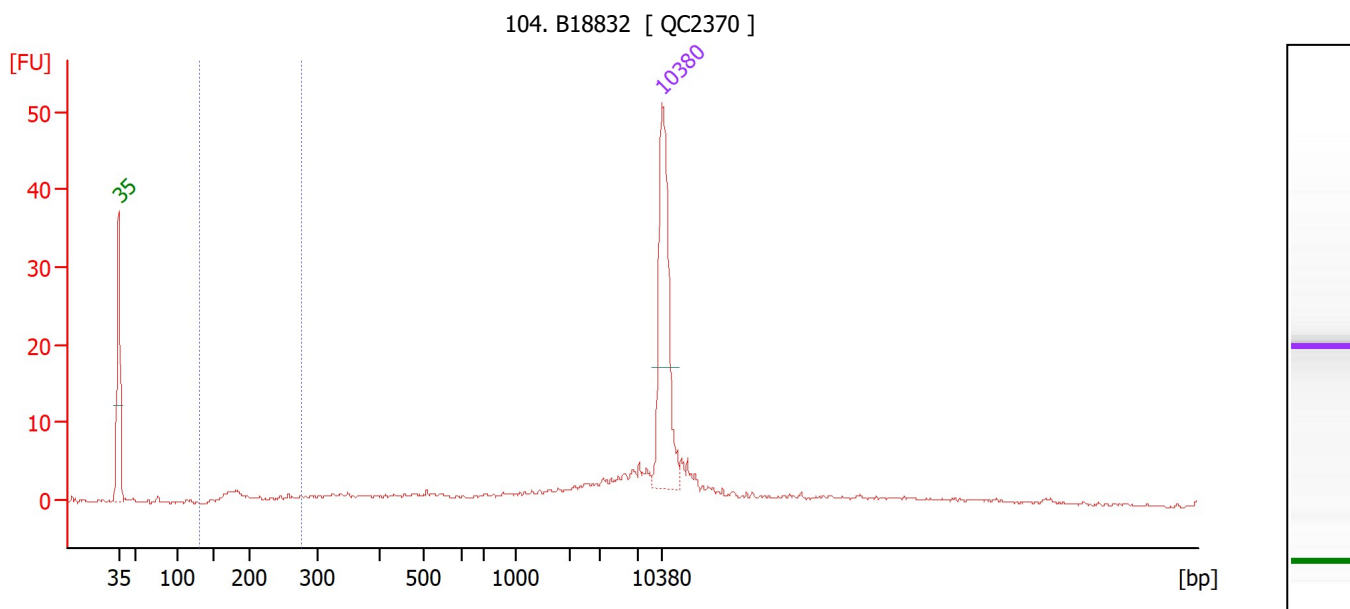
Region table for sample 6 : 103. B17212

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	13.8	12	200	14.0	30.45	236.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 104. B18832

Number of peaks found: 0 Corr. Area 1: 14.0
 Noise: 0.2

Peak table for sample 7 : 104. B18832

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

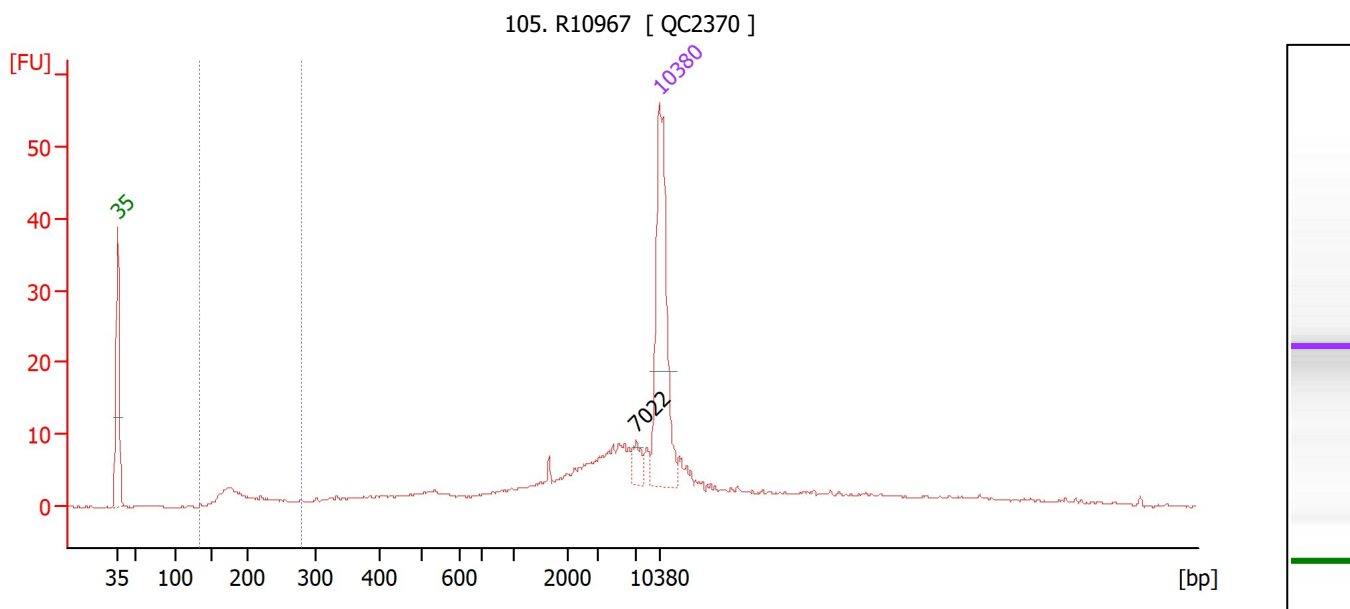
Region table for sample 7 : 104. B18832

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	14.0	11	208	17.7	29.45	222.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 105. R10967

Number of peaks found: 1 Corr. Area 1: 23.2
 Noise: 0.2

Peak table for sample 8 : 105. R10967

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	7,022	6.99	1.5	
3	10,380	75.00	10.9	Upper Marker

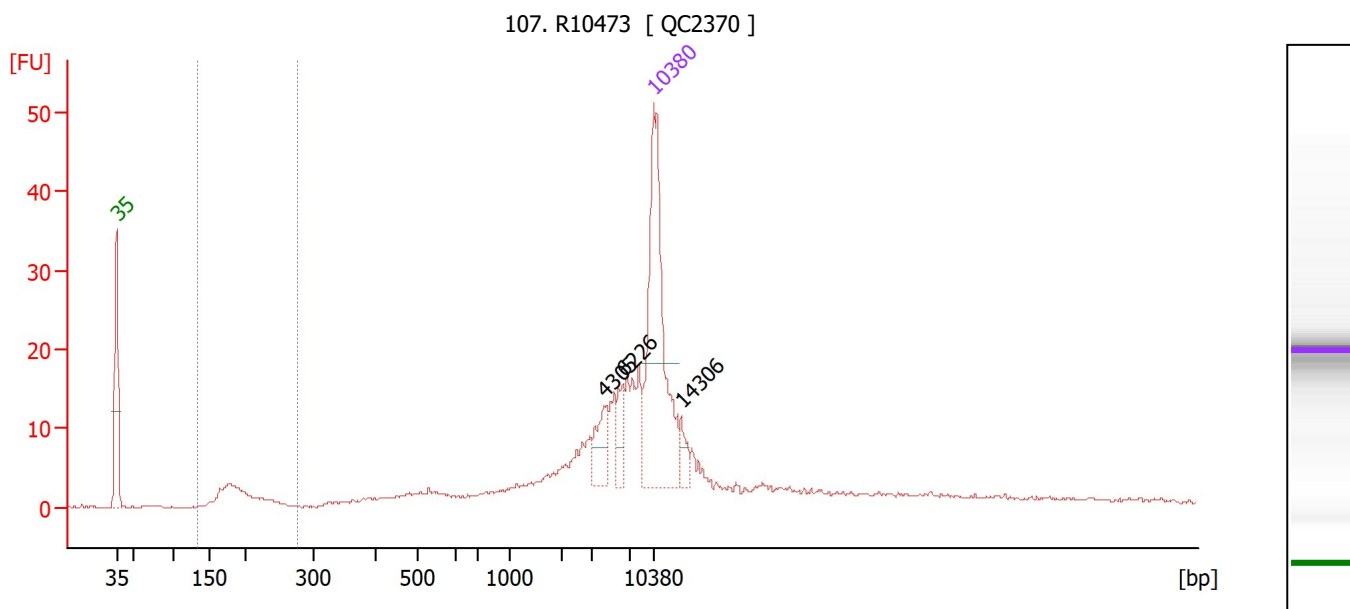
Region table for sample 8 : 105. R10967

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	23.2	10	200	17.2	43.90	343.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 107. R10473

Number of peaks found: 3 Corr. Area 1: 22.3
 Noise: 0.1

Peak table for sample 9 : 107. R10473

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,305	13.57	4.8	
3	6,226	9.23	2.2	
4	10,380	75.00	10.9	Upper Marker
5	14,306	0.00	0.0	

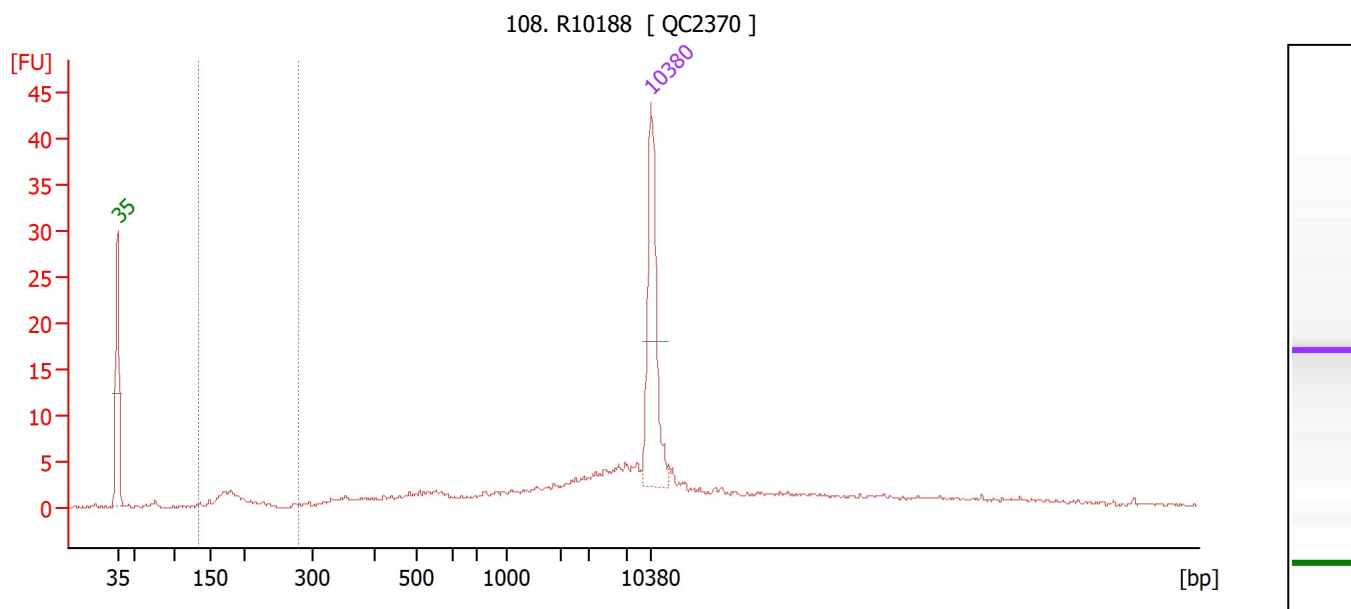
Region table for sample 9 : 107. R10473

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	22.3	9	193	14.0	33.81	271.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 108. R10188

Number of peaks found: 0 Corr. Area 1: 10.7
 Noise: 0.1

Peak table for sample 10 : 108. R10188

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

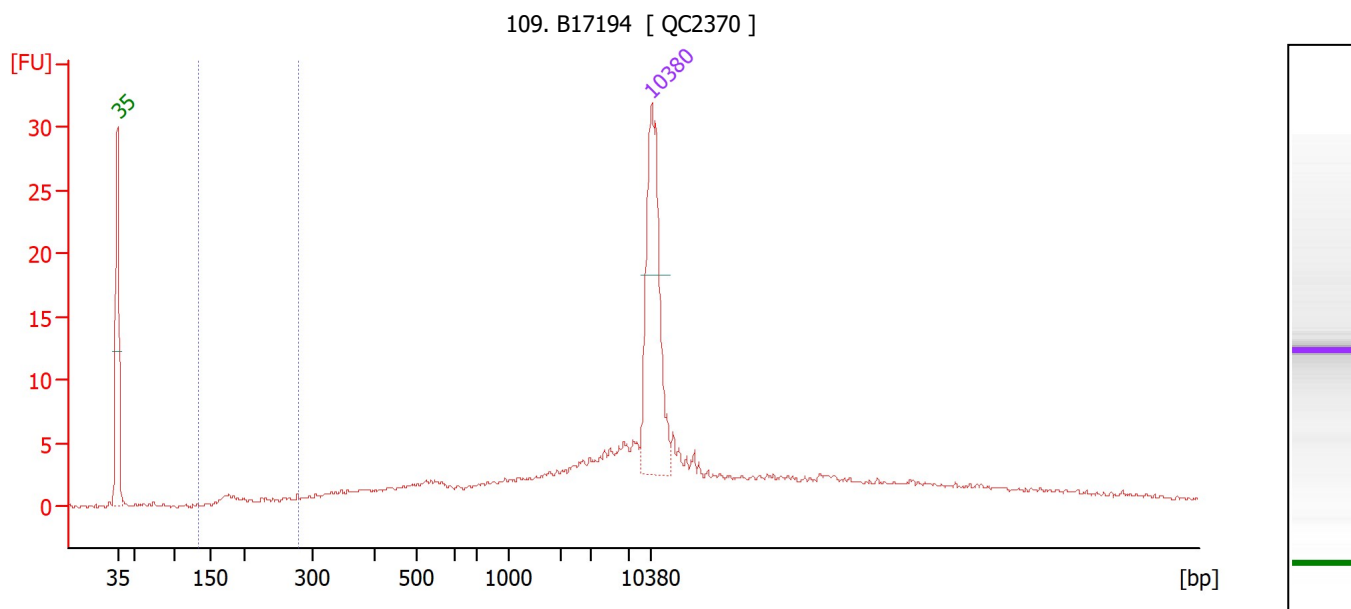
Region table for sample 10 : 108. R10188

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	10.7	8	184	14.2	31.49	264.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 109. B17194

Number of peaks found: 0 Corr. Area 1: 8.4
 Noise: 0.2

Peak table for sample 11 : 109. B17194

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

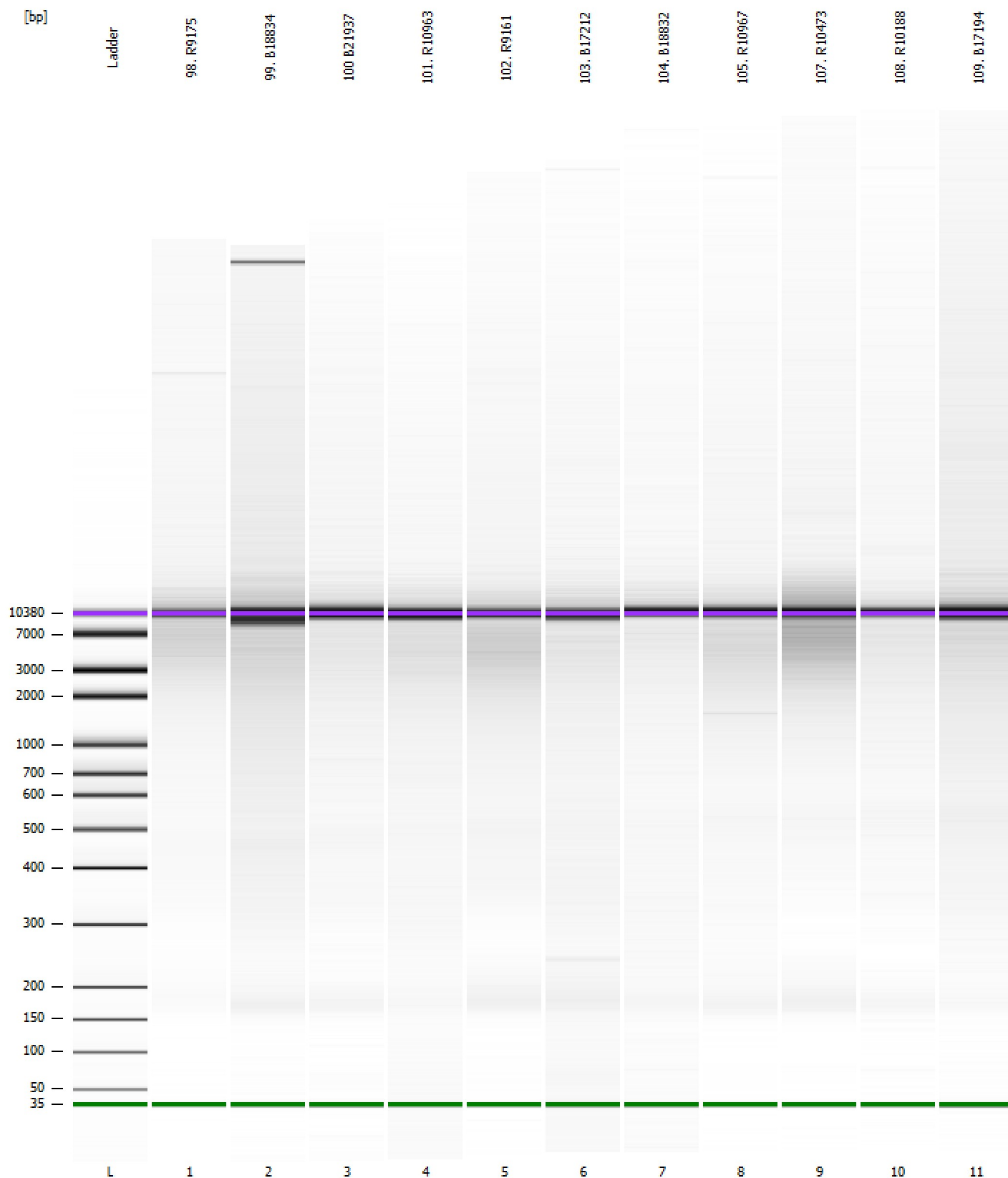
Region table for sample 11 : 109. B17194

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	277	8.4	5	211	17.6	22.37	167.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad

Created: 12/8/2025 2:35:51 PM
 Modified: 12/8/2025 3:29:06 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 12/8/2025 2:35:51 PM
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-12-08_004.xad Modified: 12/8/2025 3:29:06 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 3:16:13 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_004.xad)		Instrument	Run		12/8/2025 2:35:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/8/2025 2:35:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/8/2025 2:35:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/8/2025 2:35:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/8/2025 2:35:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/8/2025 2:35:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/8/2025 2:35:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB