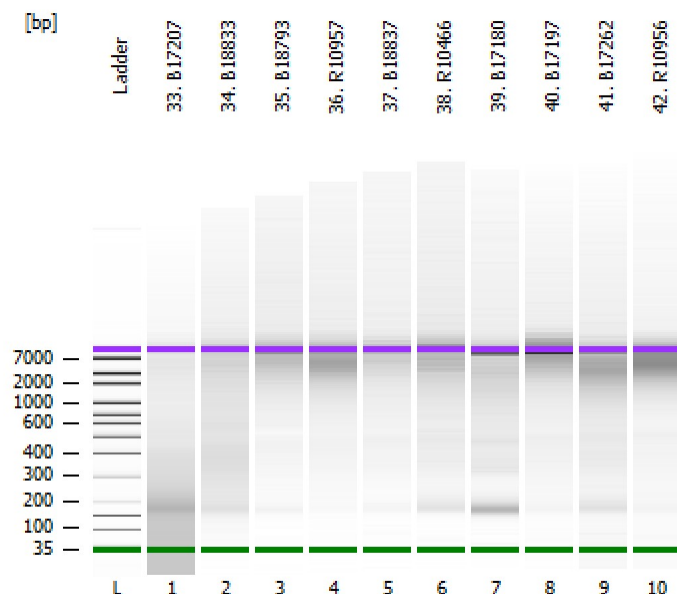


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
Modified: 12/5/2025 4:45:50 PM

Electrophoresis File Run Summary



Instrument Information:

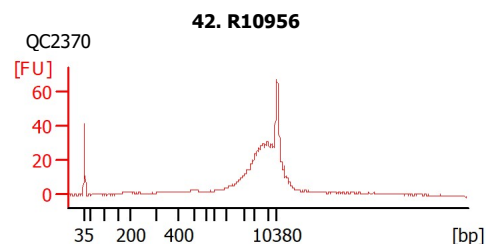
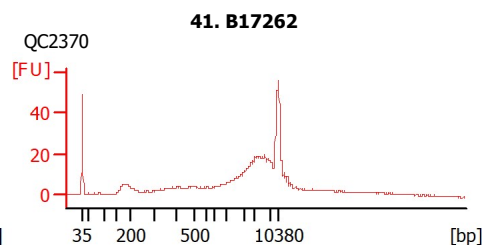
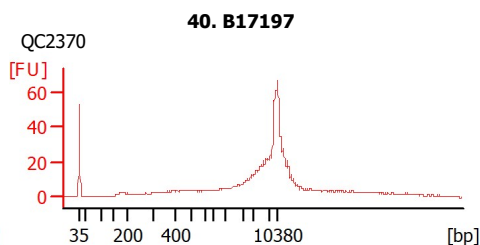
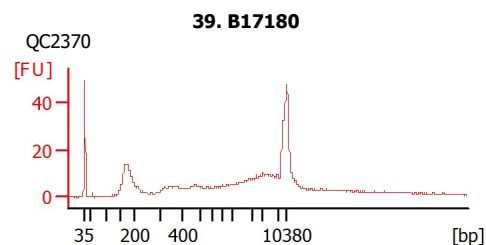
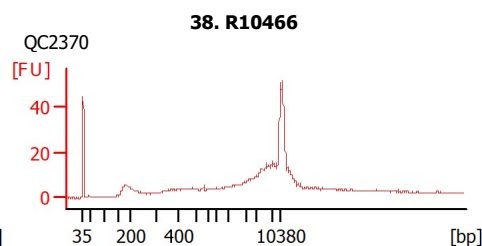
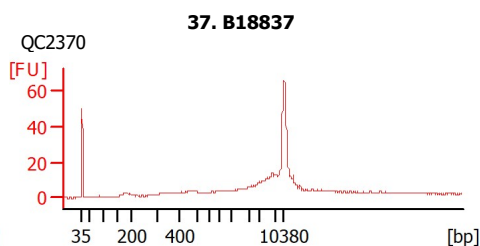
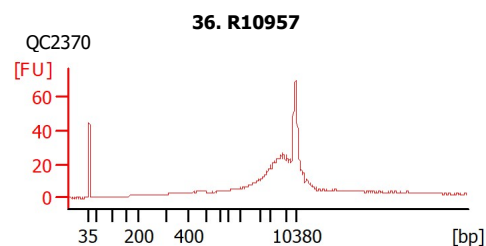
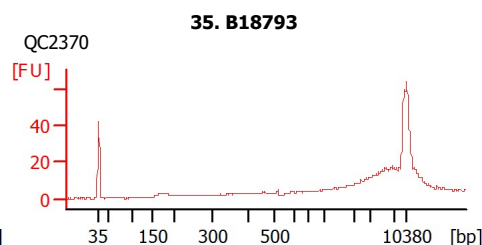
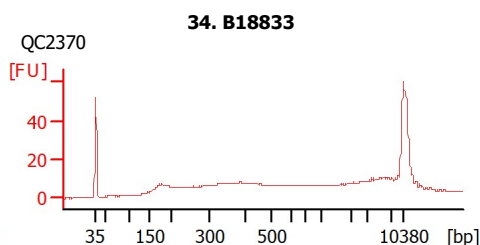
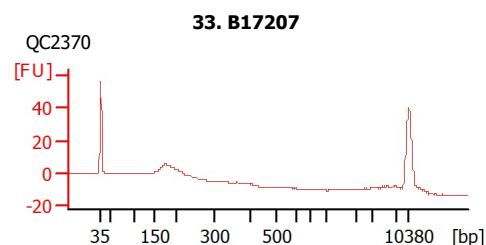
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
Modified: 12/5/2025 4:45:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
33. B17207	QC2370	☐	✓			
34. B18833	QC2370	☐	✓			
35. B18793	QC2370	☐	✓			
36. R10957	QC2370	☐	✓			
37. B18837	QC2370	☐	✓			
38. R10466	QC2370	☐	✓			
39. B17180	QC2370	☐	✓			
40. B17197	QC2370	☐	✓			
41. B17262	QC2370	☐	✓			
42. R10956	QC2370	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
Modified: 12/5/2025 4:45:50 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/ 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

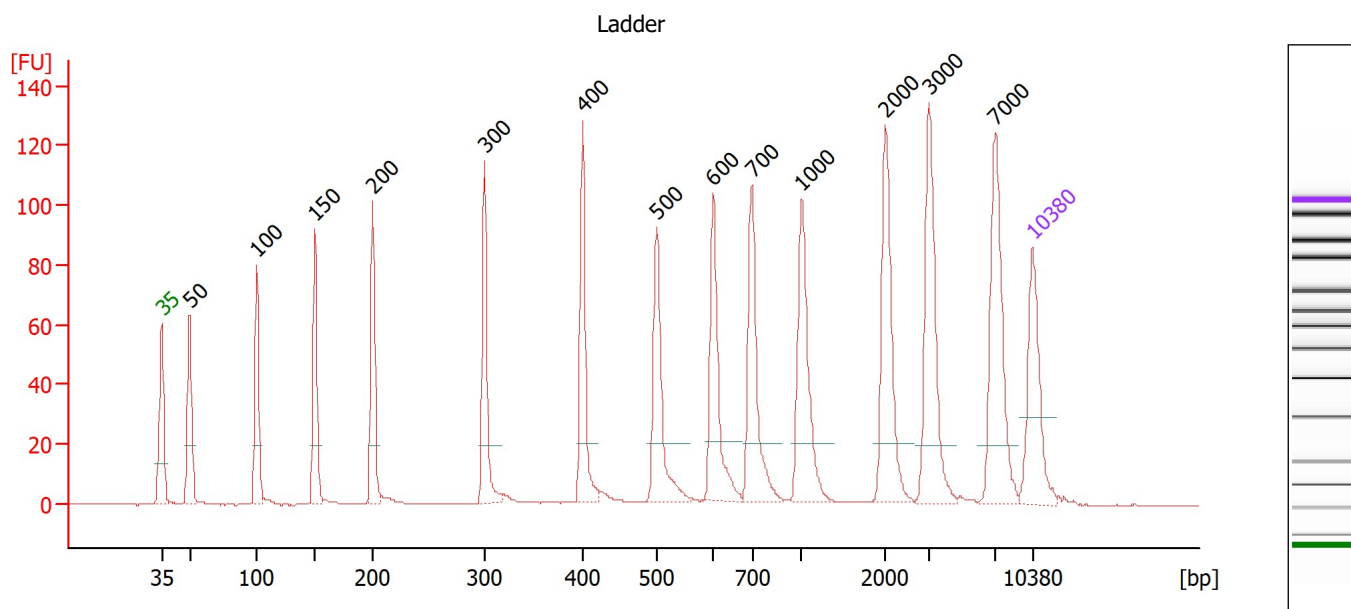
Ladder

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:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

Peak table for Ladder

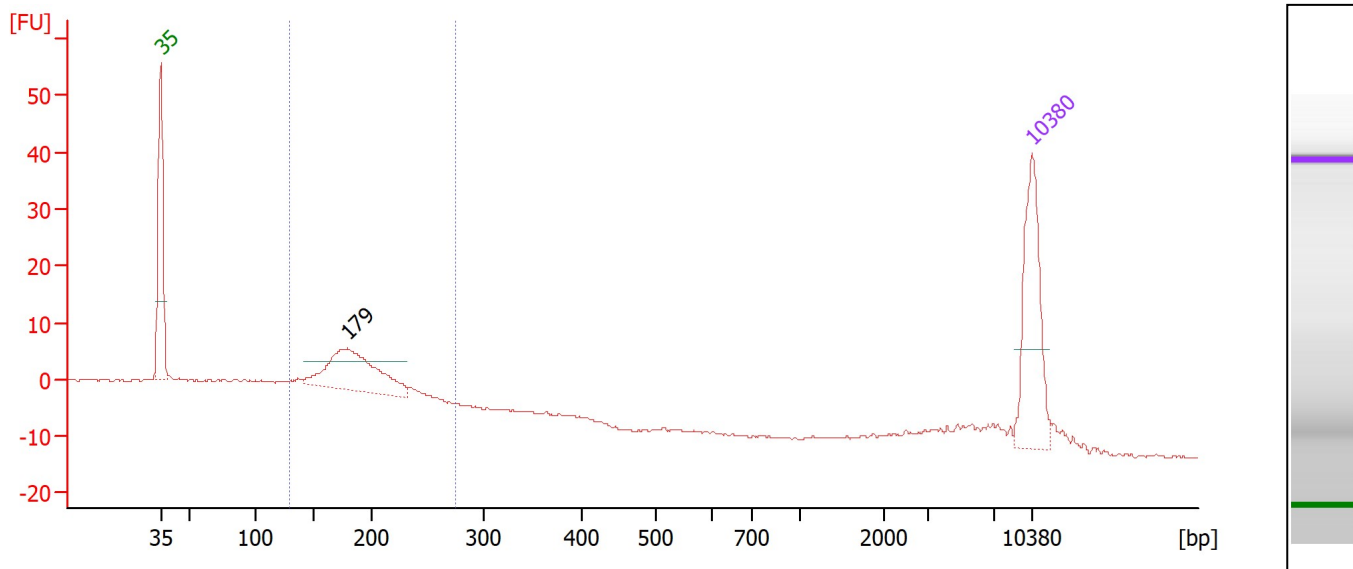
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	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:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...

33. B17207 [QC2370]

**Overall Results for sample 1 : 33. B17207**

Number of peaks found: 1 Corr. Area 1: 80.6
Noise: 0.2

Peak table for sample 1 : 33. B17207

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	179	117.88	998.4	
3	10,380	75.00	10.9	Upper Marker

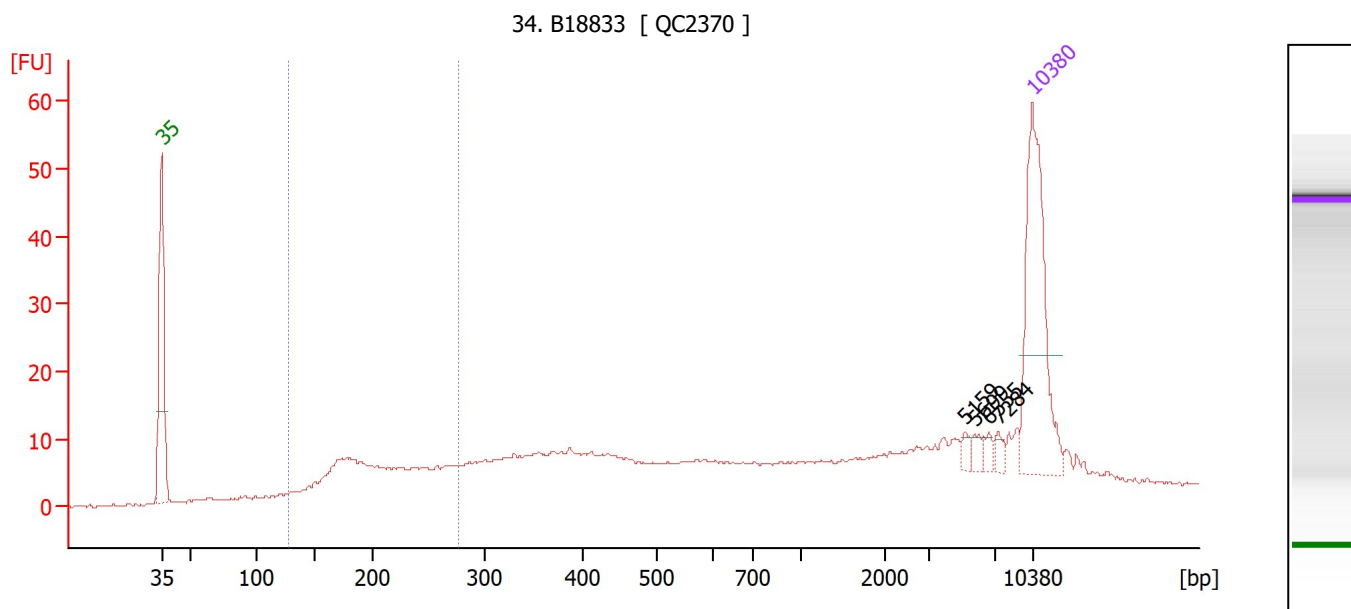
Region table for sample 1 : 33. B17207

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
129	276	80.6	66	185	15.2	163.55	1,374.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 34. B18833

Number of peaks found: 4 Corr. Area 1: 111.6
 Noise: 0.2

Peak table for sample 2 : 34. B18833

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	5,159	3.54	1.0	
3	5,699	4.35	1.2	
4	6,555	3.56	0.8	
5	7,284	3.80	0.8	
6	10,380	75.00	10.9	Upper Marker

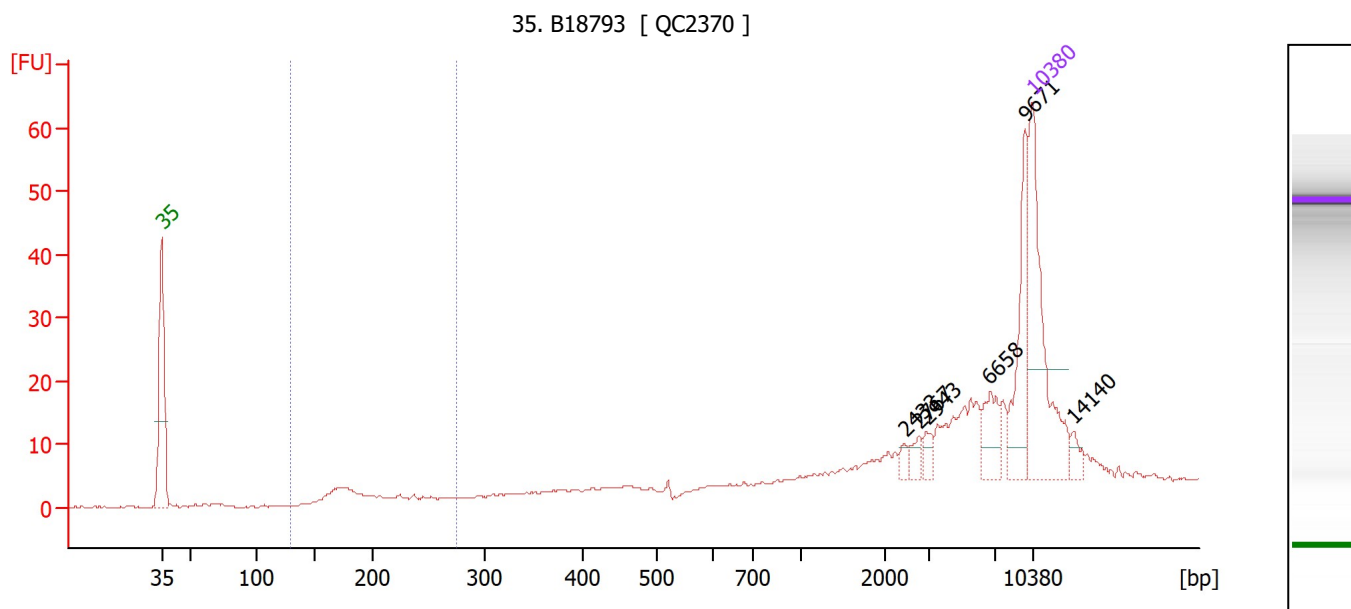
Region table for sample 2 : 34. B18833

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
127	277	111.6	20	207	19.2	185.02	1,422.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 35. B18793

Number of peaks found: 6 Corr. Area 1: 27.2
 Noise: 0.2

Peak table for sample 3 : 35. B18793

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,433	4.41	2.7	
3	2,767	6.30	3.4	
4	2,943	6.07	3.1	
5	6,658	19.00	4.3	
6	9,671	44.40	7.0	
7	10,380	75.00	10.9	Upper Marker
8	14,140	0.00	0.0	

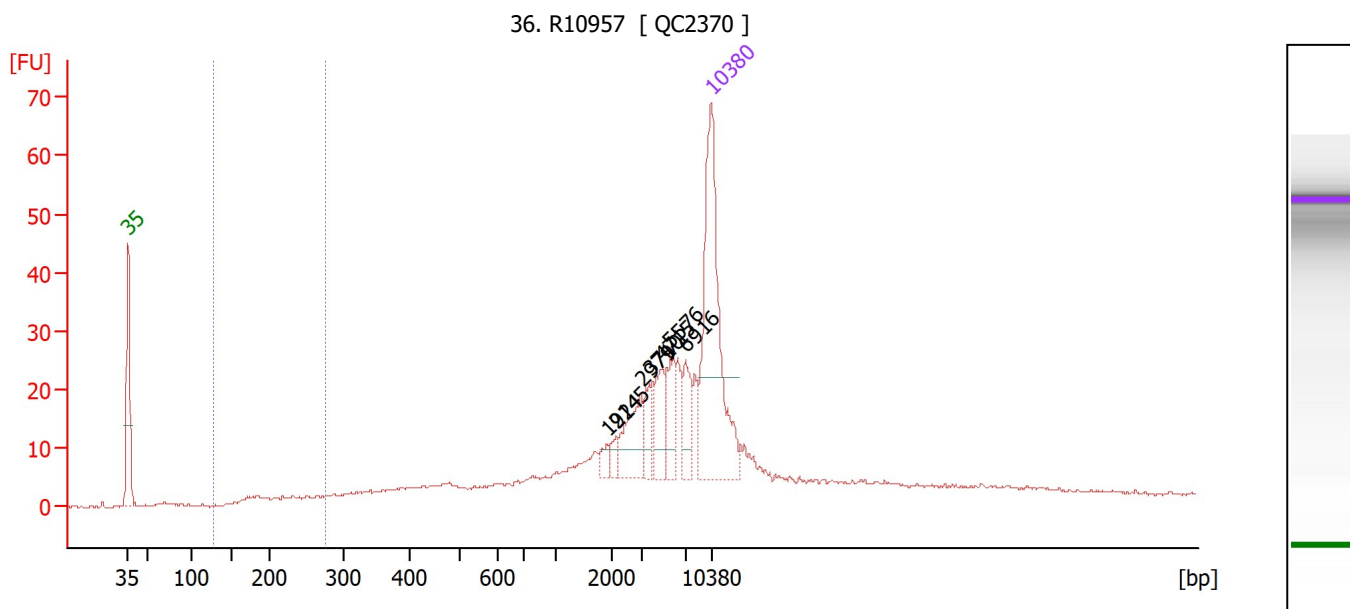
Region table for sample 3 : 35. B18793

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
129	274	27.2	7	201	17.5	53.06	415.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 36. R10957

Number of peaks found: 7 Corr. Area 1: 18.7
 Noise: 0.2

Peak table for sample 4 : 36. R10957

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,924	3.83	3.0	
3	2,145	3.93	2.8	
4	2,979	19.59	10.0	
5	3,710	9.66	3.9	
6	4,715	17.48	5.6	
7	5,576	14.73	4.0	
8	6,916	13.61	3.0	
9	10,380	75.00	10.9	Upper Marker

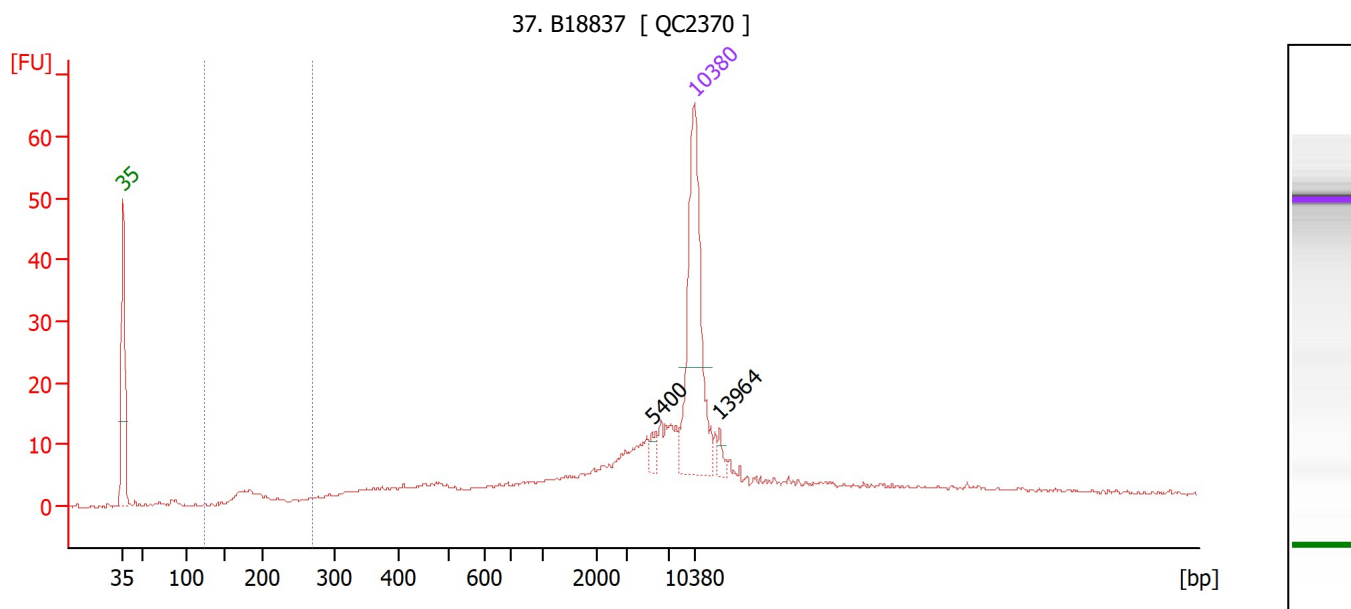
Region table for sample 4 : 36. R10957

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
128	275	18.7	5	216	16.2	21.40	155.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 37. B18837

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

Peak table for sample 5 : 37. B18837

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	5,400	4.57	1.3	
3	10,380	75.00	10.9	Upper Marker
4	13,964	0.00	0.0	

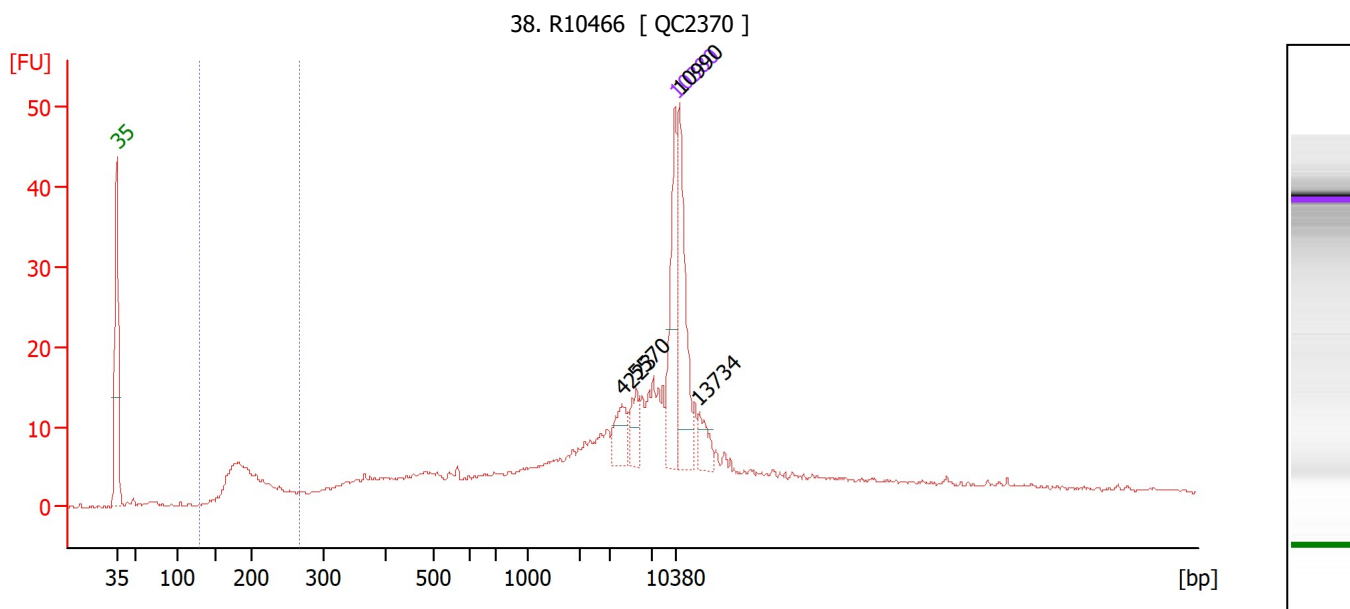
Region table for sample 5 : 37. B18837

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
124	270	16.3	6	198	15.1	22.94	180.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 38. R10466

Number of peaks found: 4 Corr. Area 1: 48.8
 Noise: 0.2

Peak table for sample 6 : 38. R10466

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,223	26.49	9.5	
3	5,570	21.26	5.8	
4	10,380	75.00	10.9	Upper Marker
5	10,990	0.00	0.0	
6	13,734	0.00	0.0	

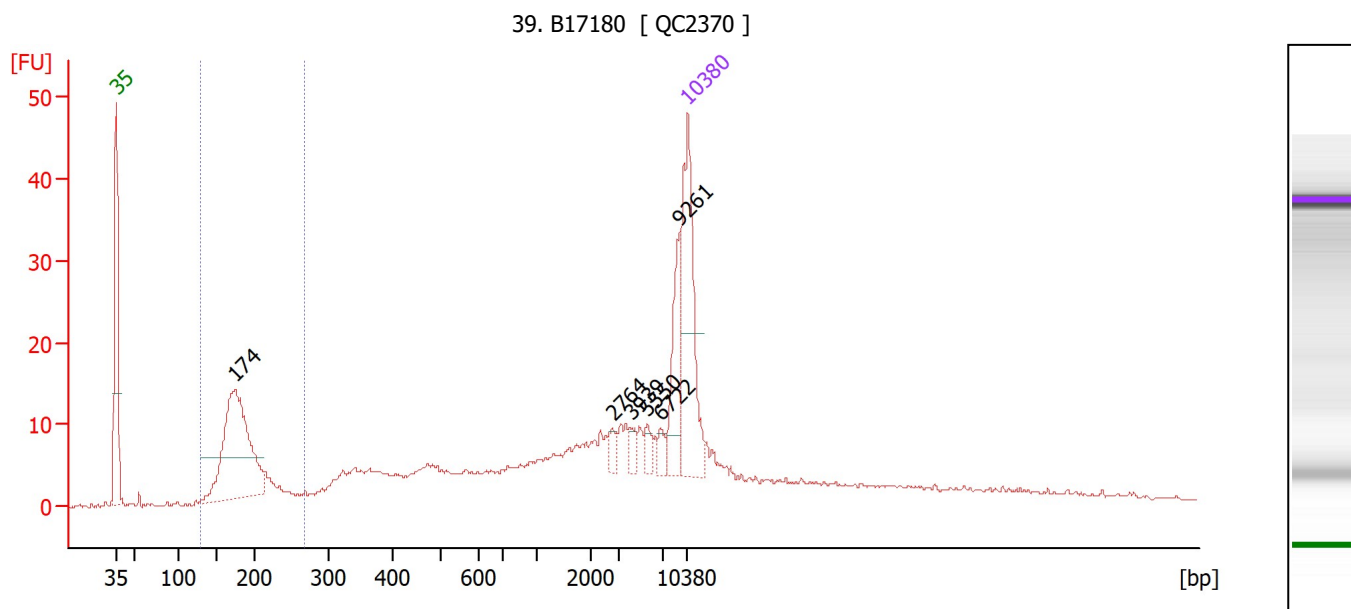
Region table for sample 6 : 38. R10466

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
128	267	48.8	11	199	14.8	180.26	1,405.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 39. B17180

Number of peaks found: 6 Corr. Area 1: 104.9
 Noise: 0.2

Peak table for sample 7 : 39. B17180

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	174	180.52	1,571.9	
3	2,764	5.80	3.2	
4	3,939	5.40	2.1	
5	5,550	6.64	1.8	
6	6,722	6.53	1.5	
7	9,261	34.87	5.7	
8	10,380	75.00	10.9	Upper Marker

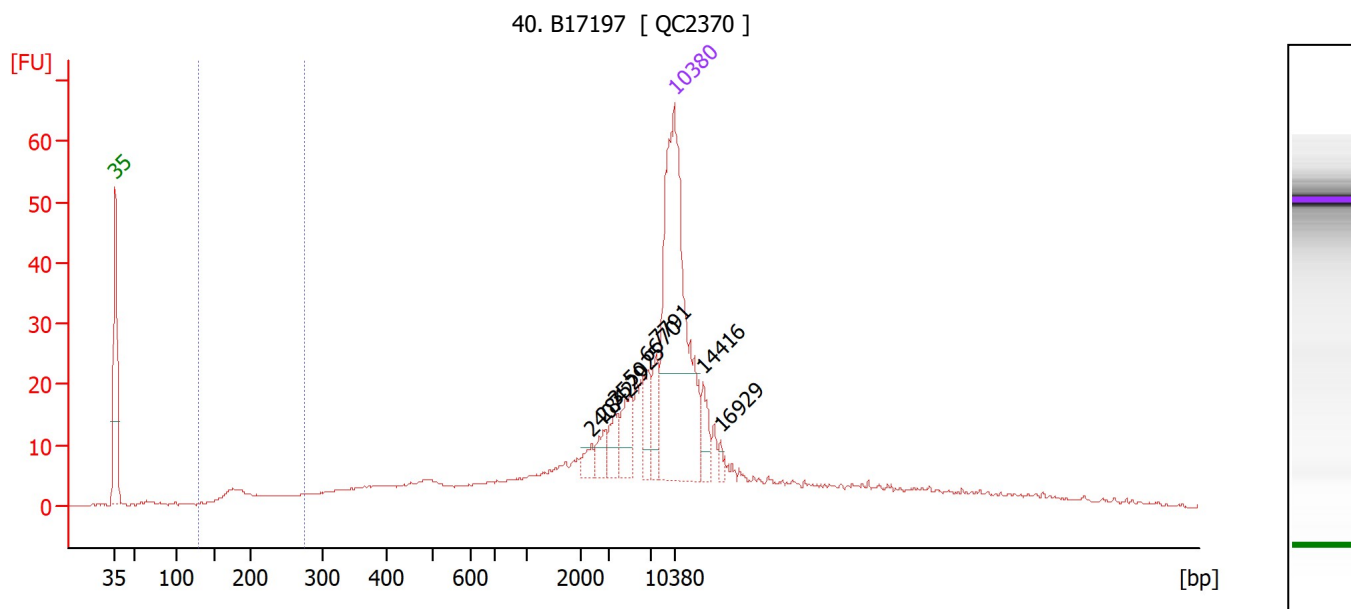
Region table for sample 7 : 39. B17180

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
129	269	104.9	23	186	14.8	236.93	1,978.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 40. B17197

Number of peaks found: 8 Corr. Area 1: 33.9
 Noise: 0.2

Peak table for sample 8 : 40. B17197

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,407	3.35	2.1	
3	2,842	4.56	2.4	
4	3,529	5.57	2.4	
5	5,025	9.69	2.9	
6	6,670	7.05	1.6	
7	7,791	8.12	1.6	
8	10,380	75.00	10.9	Upper Marker
9	14,416	0.00	0.0	
10	16,929	0.00	0.0	

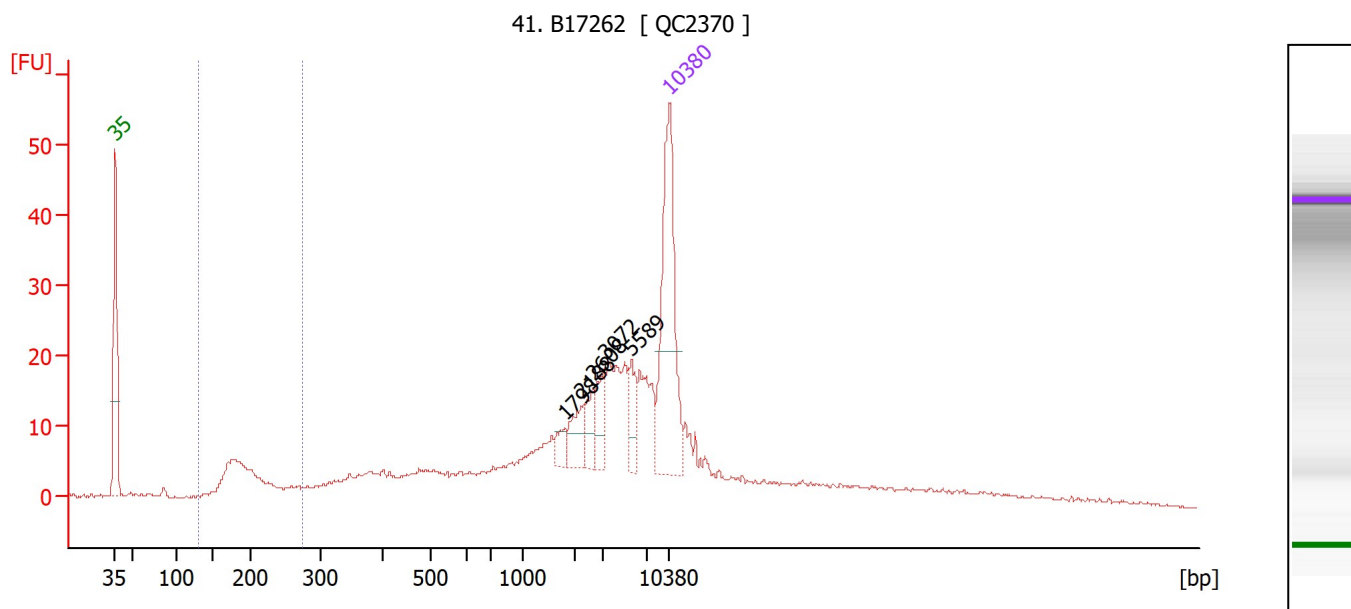
Region table for sample 8 : 40. B17197

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
129	274	33.9	7	207	17.9	28.35	216.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 41. B17262

Number of peaks found: 5 Corr. Area 1: 50.1
 Noise: 0.2

Peak table for sample 9 : 41. B17262

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,798	6.72	5.7	
3	2,188	14.10	9.8	
4	2,608	11.92	6.9	
5	3,072	14.21	7.0	
6	5,589	12.58	3.4	
7	10,380	75.00	10.9	Upper Marker

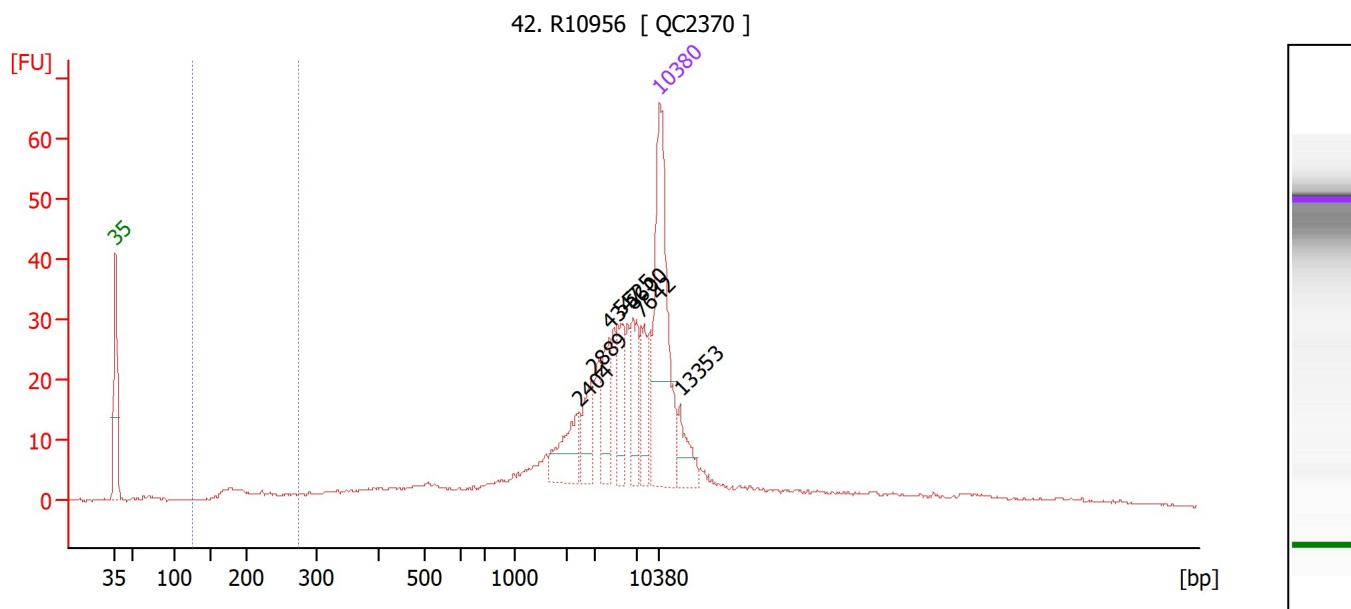
Region table for sample 9 : 41. B17262

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
130	274	50.1	10	200	16.0	81.85	638.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 42. R10956

Number of peaks found: 7 Corr. Area 1: 20.2
 Noise: 0.1

Peak table for sample 10 : 42. R10956

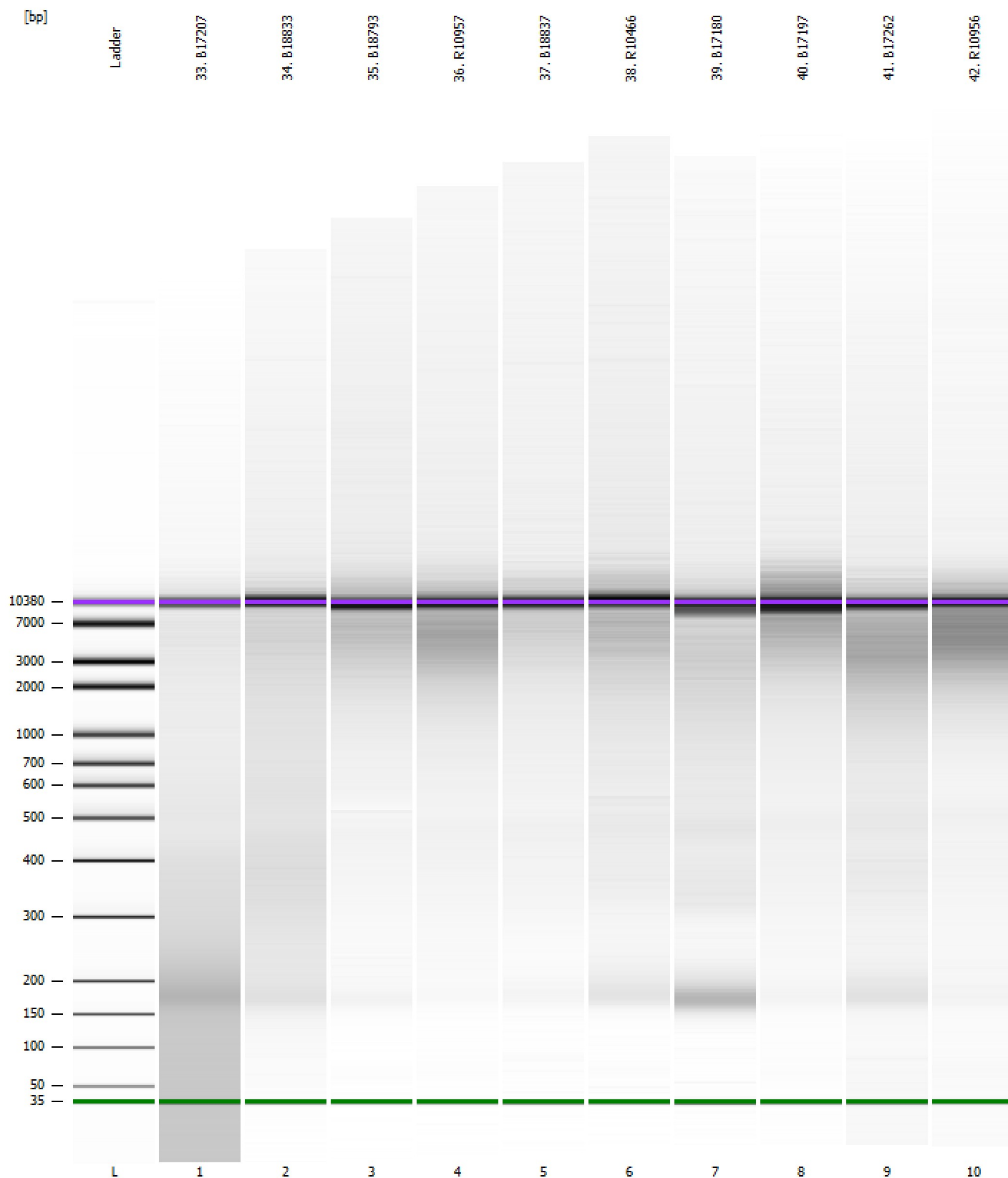
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,404	22.01	13.9	
3	2,889	16.66	8.7	
4	4,347	19.65	6.8	
5	5,525	17.62	4.8	
6	6,600	21.51	4.9	
7	7,642	16.81	3.3	
8	10,380	75.00	10.9	Upper Marker
9	13,353	0.00	0.0	

Region table for sample 10 : 42. R10956

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
123	274	20.2	5	207	16.6	27.03	204.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
Modified: 12/5/2025 4:45:50 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-33-42.xad

Created: 12/5/2025 4:04:10 PM
 Modified: 12/5/2025 4:45:50 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 4:44:37 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_003.xad)		Instrument	Run		12/5/2025 4:04:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/5/2025 4:04:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/5/2025 4:04:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/5/2025 4:04:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/5/2025 4:04:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/5/2025 4:04:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/5/2025 4:04:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB