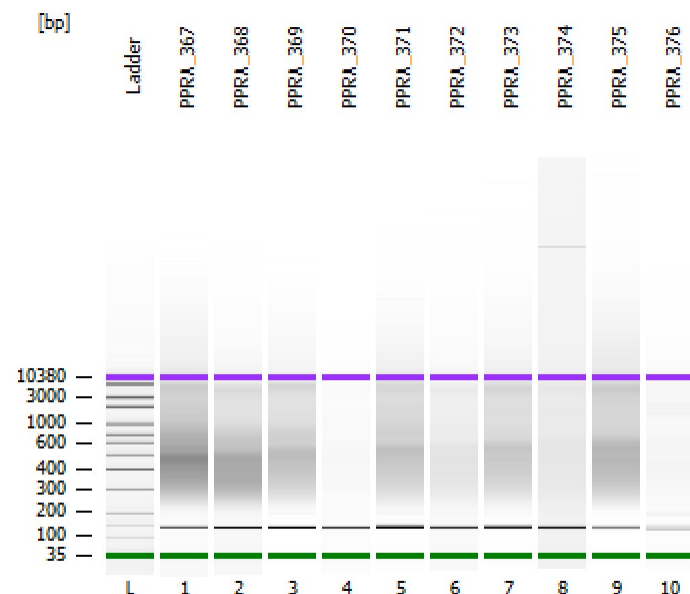


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
Modified: 10/20/2025 2:15:17 PM

Electrophoresis File Run Summary



Instrument Information:

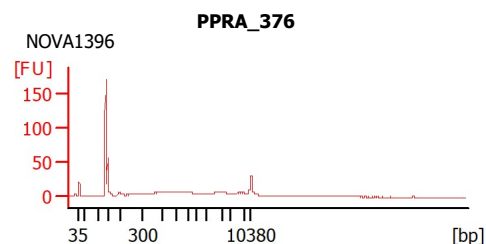
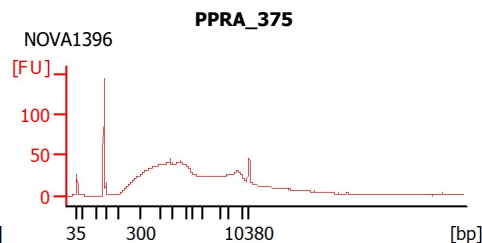
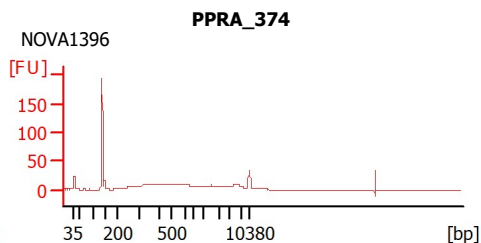
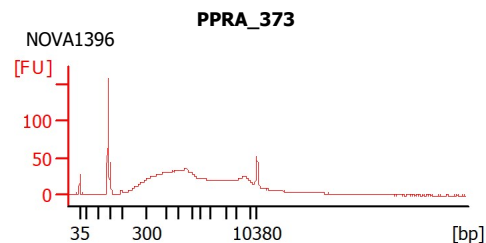
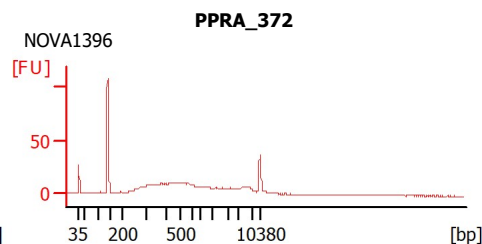
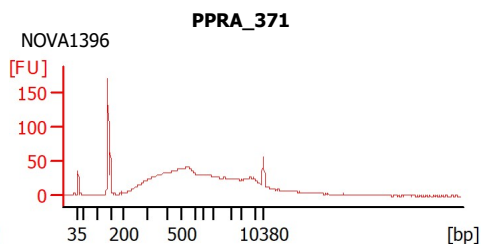
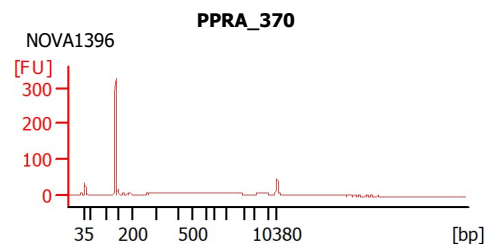
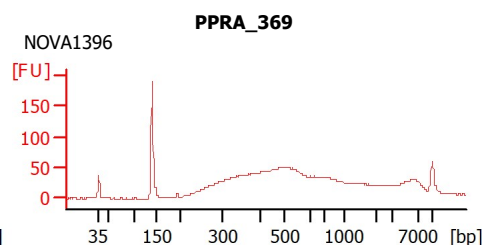
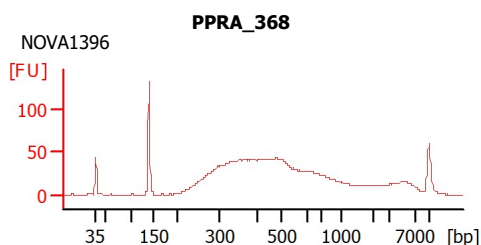
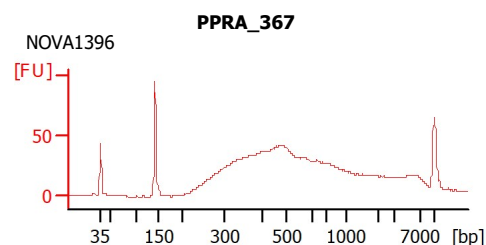
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
Modified: 10/20/2025 2:15:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PPRA_367	NOVA1396	☐	✓			
PPRA_368	NOVA1396	☐	✓			
PPRA_369	NOVA1396	☐	✓			
PPRA_370	NOVA1396	☐	✓			
PPRA_371	NOVA1396	☐	✓			
PPRA_372	NOVA1396	☐	✓			
PPRA_373	NOVA1396	☐	✓			
PPRA_374	NOVA1396	☐	✓			
PPRA_375	NOVA1396	☐	✓			
PPRA_376	NOVA1396	☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
Modified: 10/20/2025 2:15:17 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

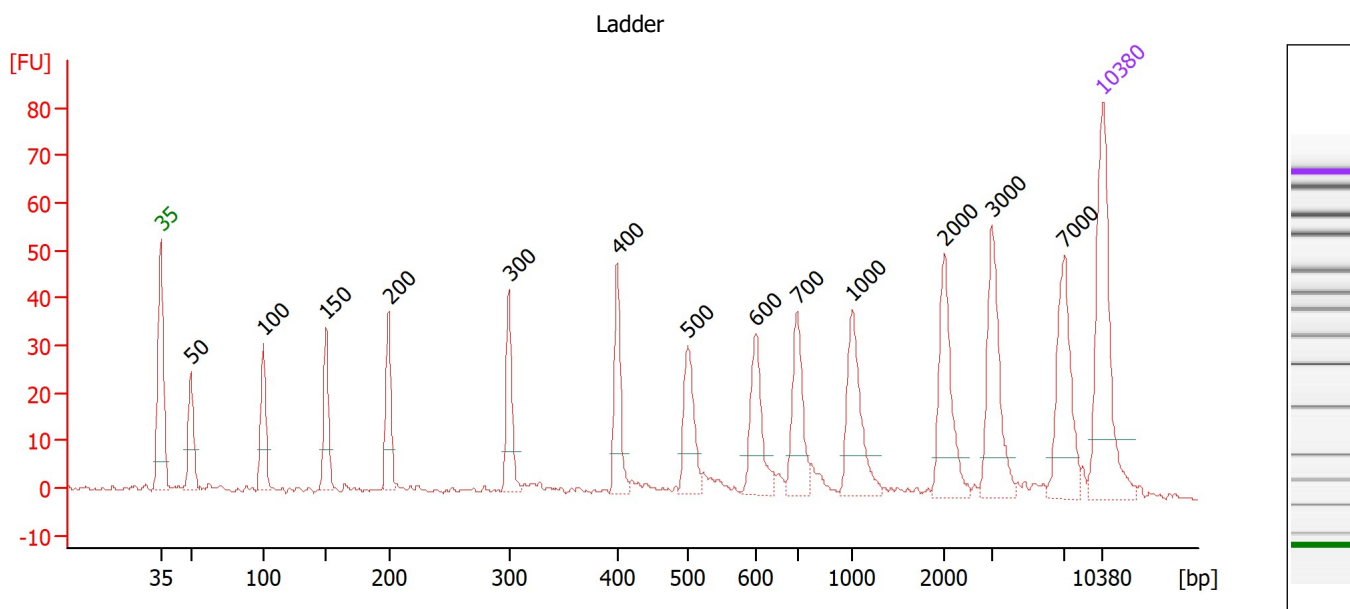
Ladder

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:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

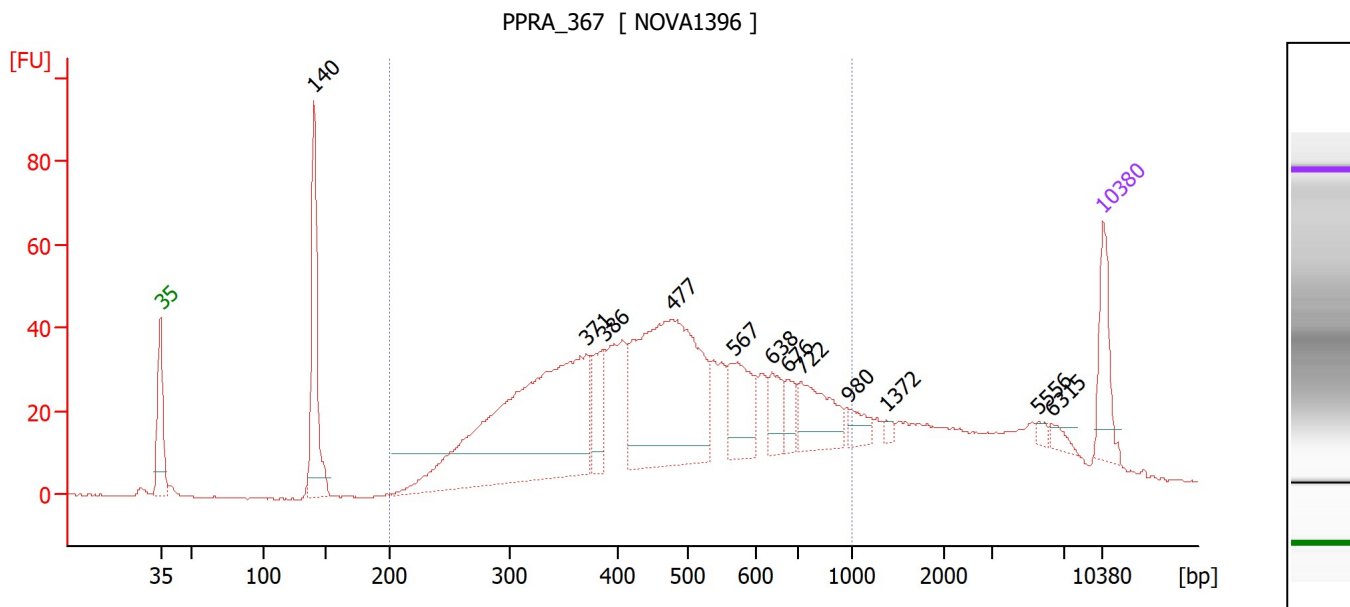
Peak table for Ladder

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:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PPRA_367

Number of peaks found: 12 Corr. Area 1: 1,088.8
 Noise: 0.2

Peak table for sample 1 : PPRA_367

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	140	275.52	2,971.9	
3	371	726.44	2,963.6	
4	386	85.70	336.0	
5	477	535.25	1,698.9	
6	567	115.91	309.5	
7	638	52.44	124.5	
8	676	37.61	84.3	
9	722	109.30	229.4	
10	980	27.84	43.0	
11	1,372	8.10	8.9	
12	5,556	8.53	2.3	
13	6,315	13.46	3.2	
14	10,380	75.00	10.9	Upper Marker

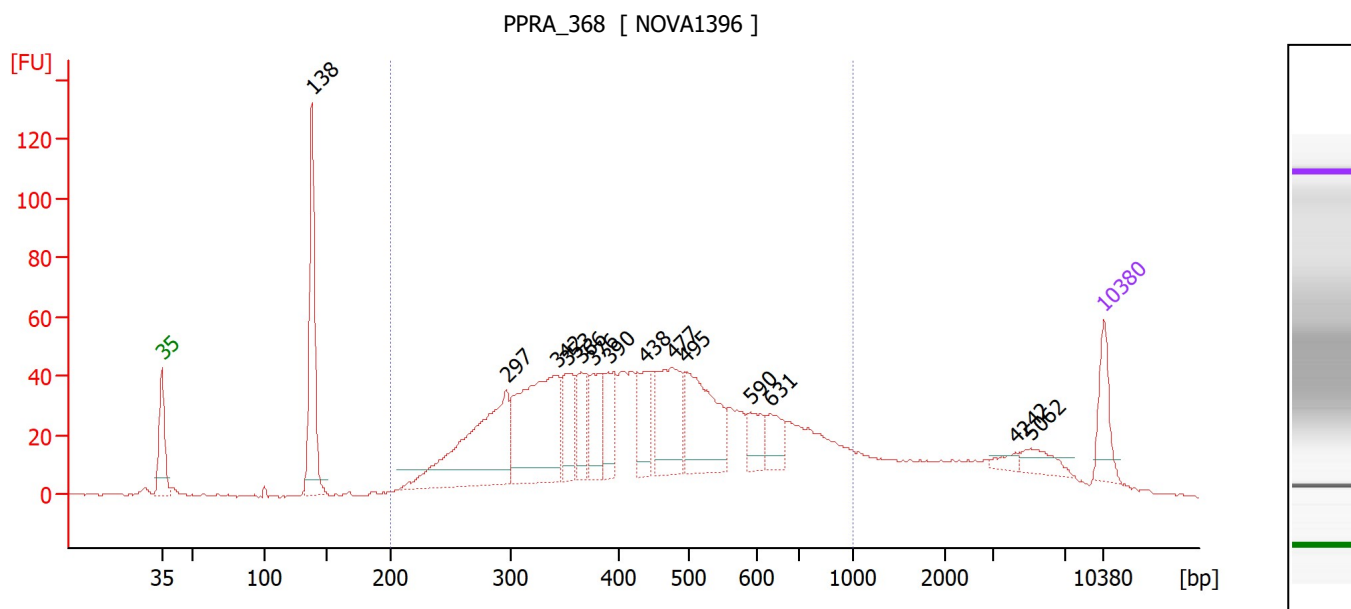
Region table for sample 1 : PPRA_367

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	1,088.8	70	485	34.9	2,702.33	9,894.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : PPRA_368

Number of peaks found: 14 Corr. Area 1: 1,237.0
 Noise: 0.2

Peak table for sample 2 : PPRA_368

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	138	379.67	4,158.8	
3	297	473.77	2,418.6	
4	342	441.32	1,952.6	
5	353	123.28	529.2	
6	366	103.98	430.6	
7	376	131.11	527.9	
8	390	97.68	379.4	
9	438	106.74	368.9	
10	477	216.25	686.8	
11	495	268.30	822.0	
12	590	67.75	173.9	
13	631	65.81	158.0	
14	4,242	17.11	6.1	
15	5,062	42.13	12.6	
16	10,380	75.00	10.9	Upper Marker

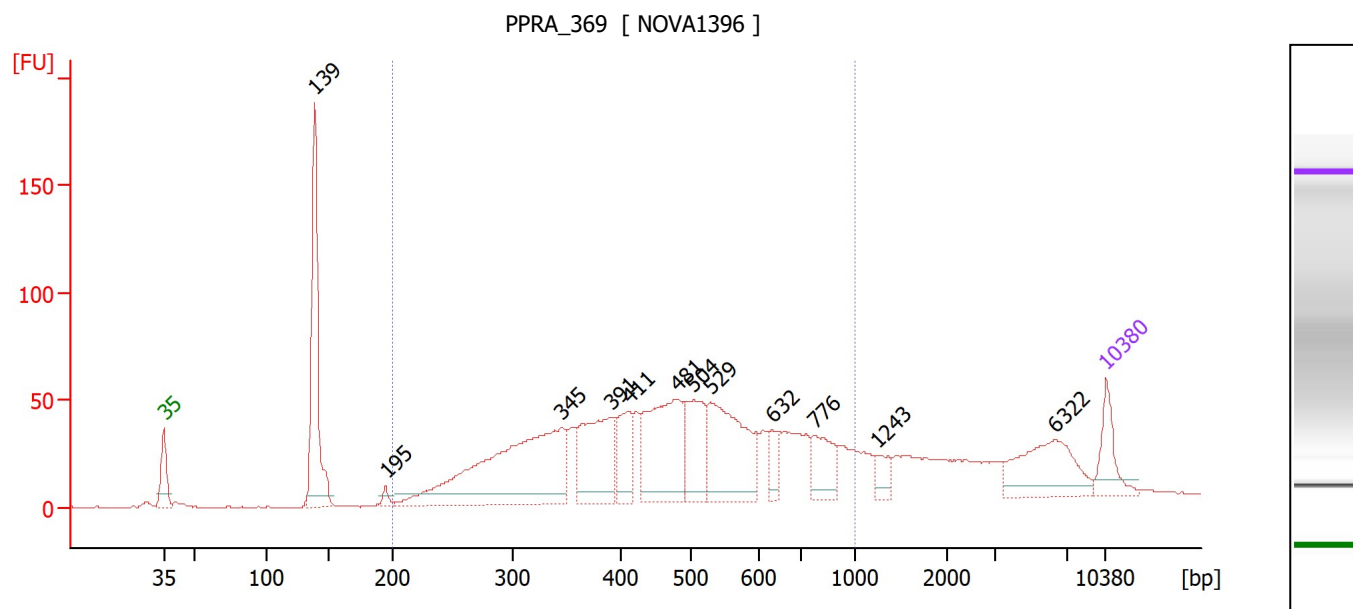
Region table for sample 2 : PPRA_368

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	1,237.0	77	457	35.4	3,336.41	12,914.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PPRA_369

Number of peaks found: 12 Corr. Area 1: 1,289.7
 Noise: 0.3

Peak table for sample 3 : PPRA_369

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	139	477.63	5,215.6	
3	195	21.20	164.6	
4	345	693.36	3,040.7	
5	391	282.17	1,094.7	
6	411	118.27	435.8	
7	481	345.83	1,089.5	
8	504	176.20	529.4	
9	529	325.65	932.0	
10	632	57.65	138.1	
11	776	107.64	210.1	
12	1,243	38.02	46.4	
13	6,322	179.40	43.0	
14	10,380	75.00	10.9	Upper Marker

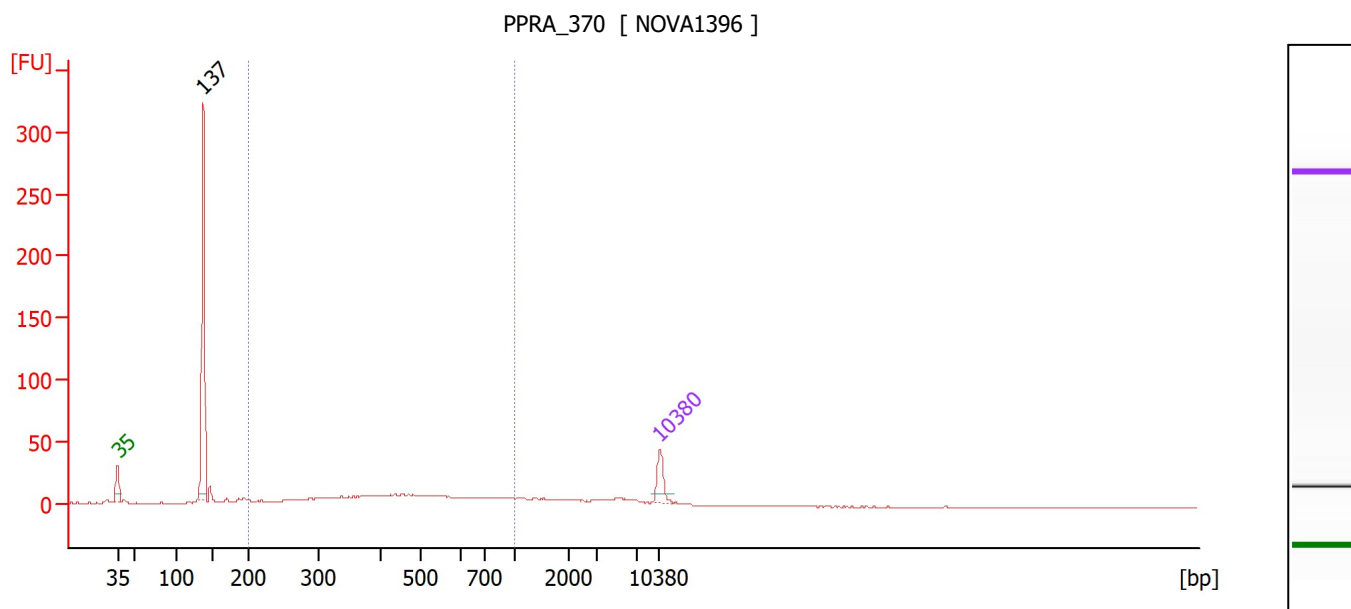
Region table for sample 3 : PPRA_369

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	1,289.7	66	486	35.2	2,758.10	10,130.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PPRA 370

Number of peaks found: 1 Corr. Area 1: 215.0
 Noise: 0.2

Peak table for sample 4 : PPRA 370

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	980.63	10,841.5	
3	10,380	75.00	10.9	Upper Marker

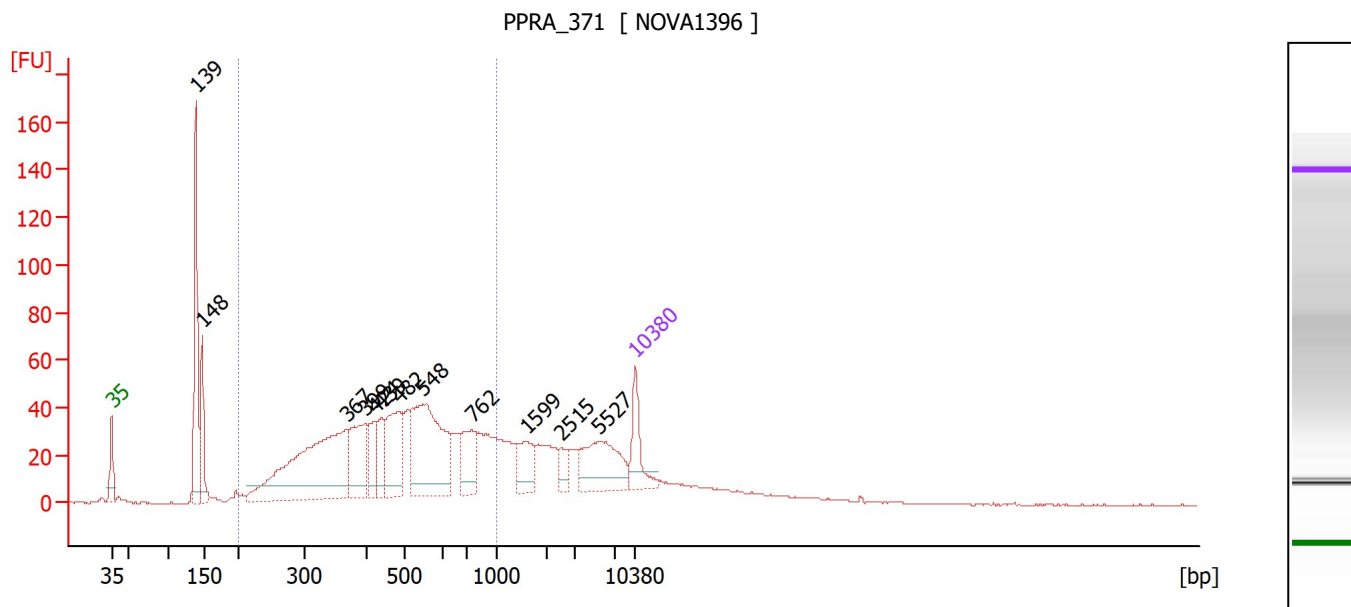
Region table for sample 4 : PPRA 370

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	215.0	38	486	37.2	653.85	2,459.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PPRA 371

Number of peaks found: 12 Corr. Area 1: 1,056.5
 Noise: 0.2

Peak table for sample 5 : PPRA 371

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	139	387.14	4,223.9	
3	148	147.73	1,511.8	
4	367	582.11	2,405.0	
5	399	174.24	661.0	
6	424	71.24	254.8	
7	439	79.04	273.0	
8	482	168.95	530.7	
9	548	376.28	1,040.9	
10	762	96.78	192.3	
11	1,599	70.32	66.6	
12	2,515	31.93	19.2	
13	5,527	151.92	41.6	
14	10,380	75.00	10.9	Upper Marker

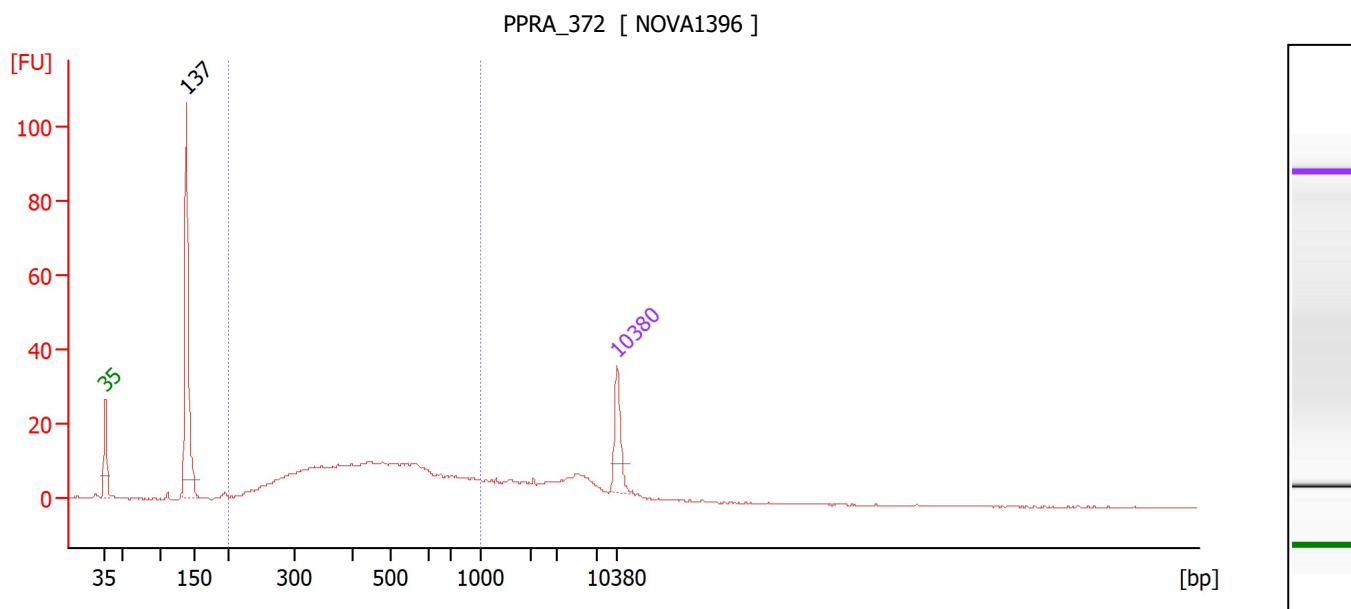
Region table for sample 5 : PPRA 371

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	1,056.5	60	497	35.9	2,111.74	7,661.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PPRA_372

Number of peaks found: 1 Corr. Area 1: 275.8
 Noise: 0.2

Peak table for sample 6 : PPRA_372

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	527.48	5,830.8	
3	10,380	75.00	10.9	Upper Marker

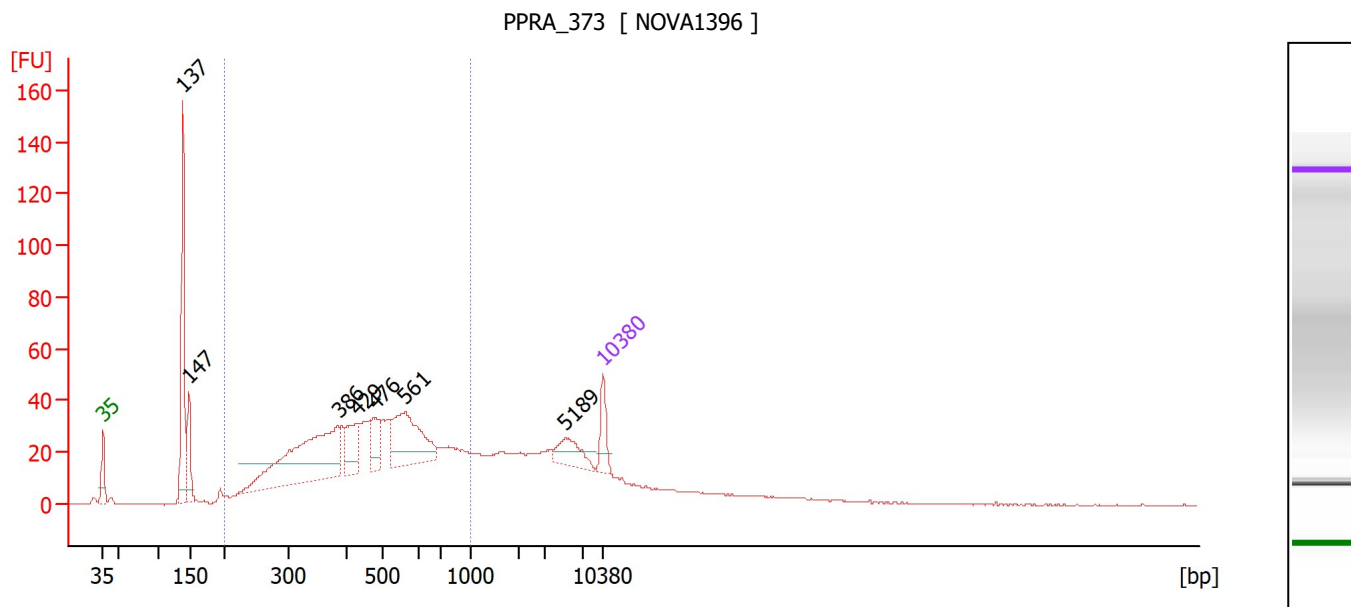
Region table for sample 6 : PPRA_372

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	275.8	59	477	35.7	1,063.34	3,976.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PPRA 373

Number of peaks found: 7 Corr. Area 1: 892.9
 Noise: 0.1

Peak table for sample 7 : PPRA 373

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	137	659.18	7,266.1	
3	147	165.85	1,708.6	
4	386	713.97	2,800.7	
5	429	167.56	592.0	
6	476	127.28	405.1	
7	561	342.51	925.8	
8	5,189	92.83	27.1	
9	10,380	75.00	10.9	Upper Marker

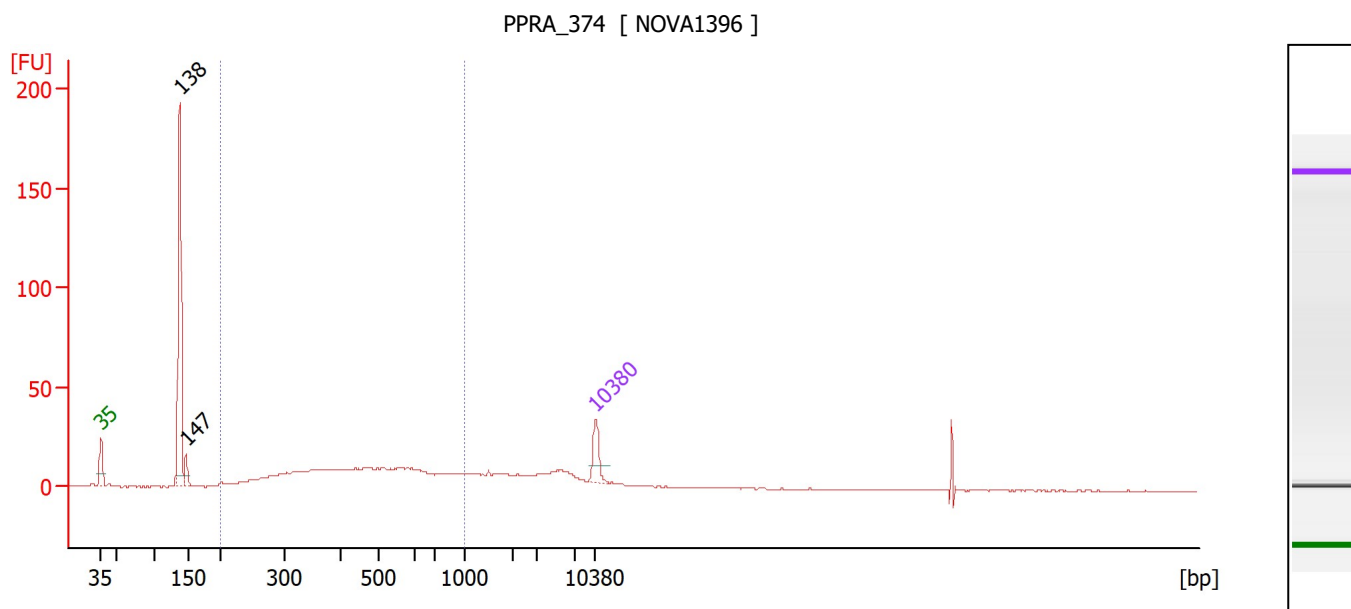
Region table for sample 7 : PPRA 373

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	892.9	59	488	35.3	3,366.50	12,345.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PPRA_374

Number of peaks found: 2 Corr. Area 1: 285.6
 Noise: 0.1

Peak table for sample 8 : PPRA_374

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	138	872.98	9,589.5	
3	147	68.53	707.1	
4	10,380	75.00	10.9	Upper Marker

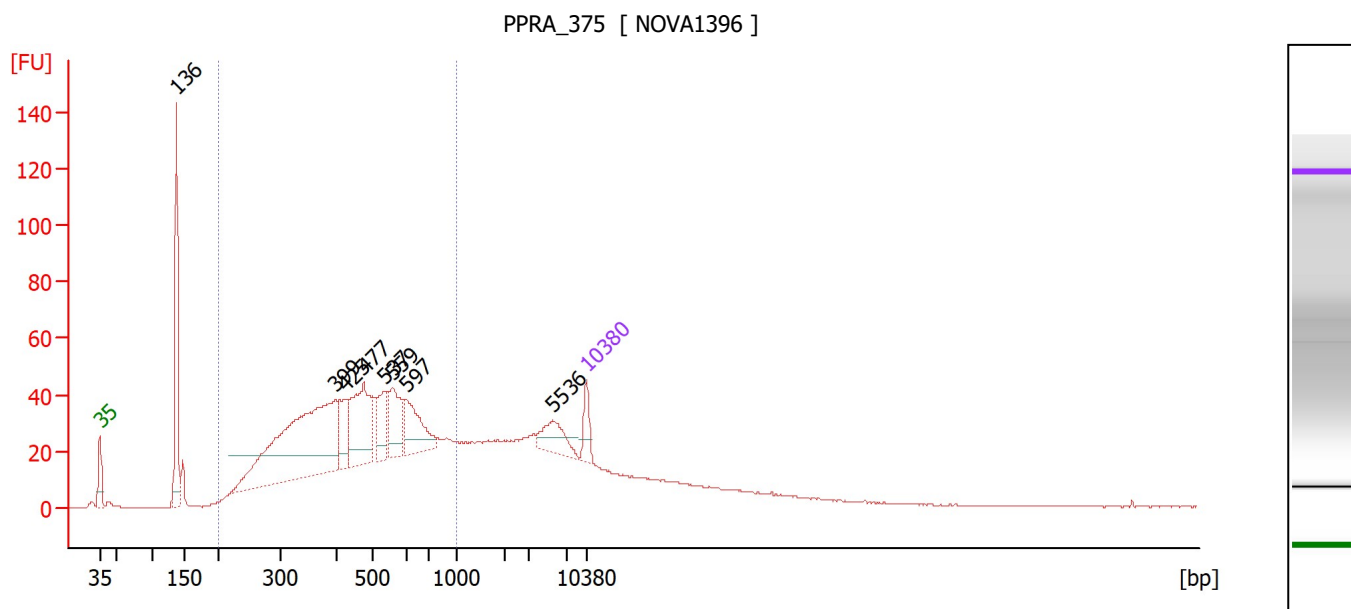
Region table for sample 8 : PPRA_374

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	285.6	48	483	36.8	1,229.41	4,624.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PPRA 375

Number of peaks found: 8 Corr. Area 1: 1,101.6
 Noise: 0.2

Peak table for sample 9 : PPRA 375

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	784.65	8,755.6	
3	399	1,406.48	5,337.0	
4	425	166.87	594.3	
5	477	455.86	1,448.4	
6	537	171.03	482.9	
7	559	226.42	613.5	
8	597	235.07	596.8	
9	5,536	134.92	36.9	
10	10,380	75.00	10.9	Upper Marker

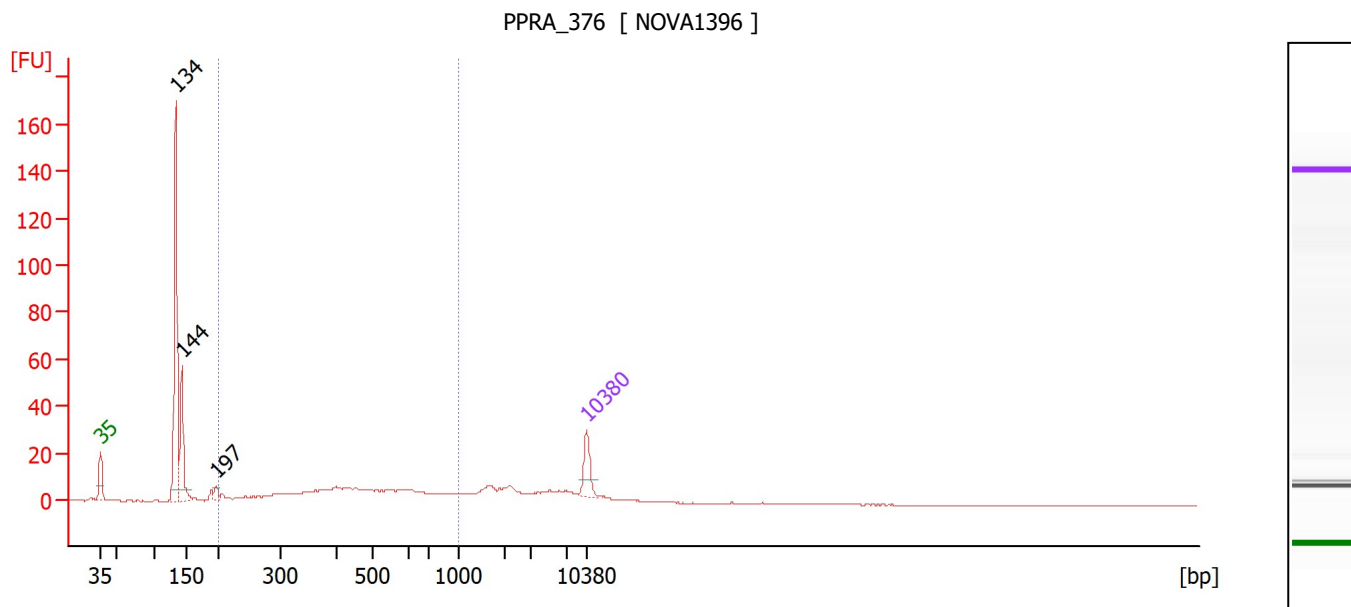
Region table for sample 9 : PPRA 375

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	1,101.6	61	482	35.0	5,540.86	20,516.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : PPRA 376

Number of peaks found: 3 Corr. Area 1: 152.3
 Noise: 0.1

Peak table for sample 10 : PPRA 376

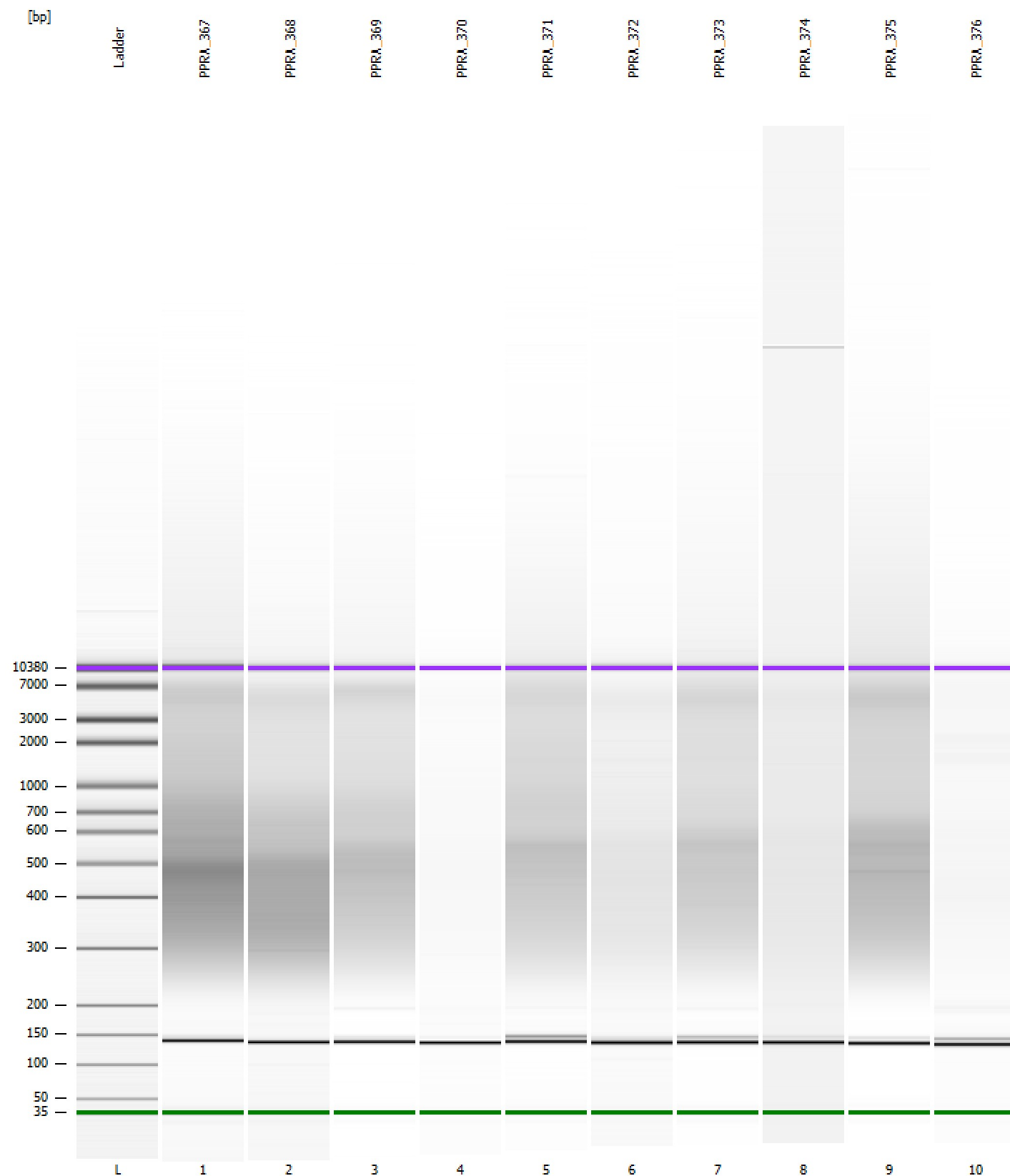
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	134	822.04	9,285.5	
3	144	284.53	2,993.3	
4	197	30.38	233.9	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : PPRA 376

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	152.3	35	479	36.8	681.16	2,595.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
Modified: 10/20/2025 2:15:17 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2025-10-20\NOVA1396_1-10.xad

Created: 10/20/2025 1:25:55 PM
 Modified: 10/20/2025 2:15:17 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		10/20/2025 2:07:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-10-20\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-10-20_002.xad)		Instrument	Run		10/20/2025 1:26:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/20/2025 1:26:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/20/2025 1:26:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/20/2025 1:26:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/20/2025 1:26:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/20/2025 1:26:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/20/2025 1:26:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB