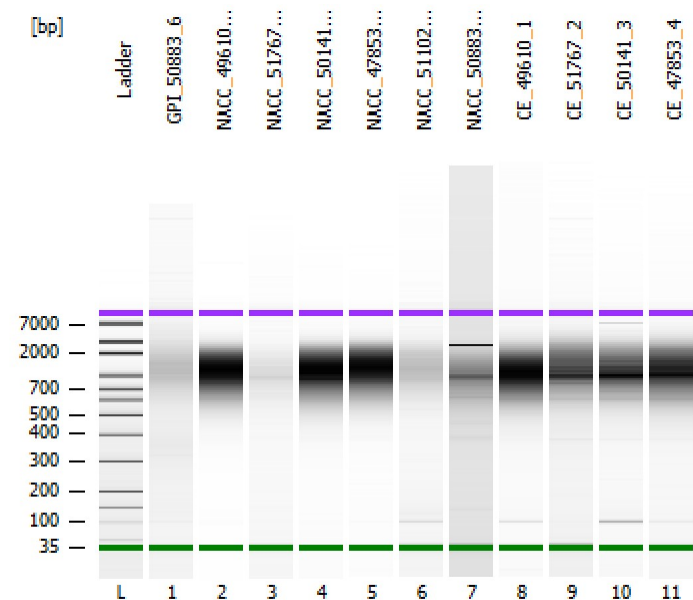


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
Modified: 4/17/2025 2:40:29 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
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

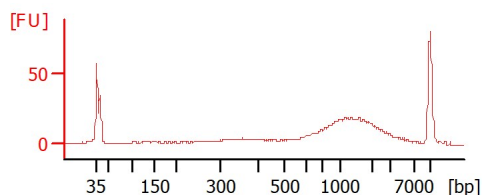
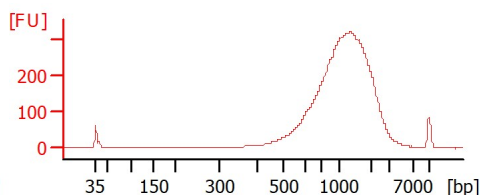
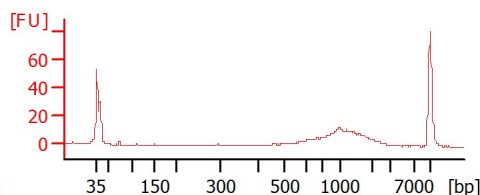
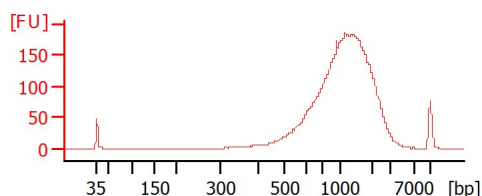
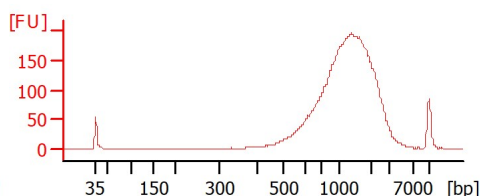
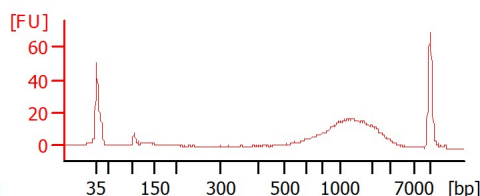
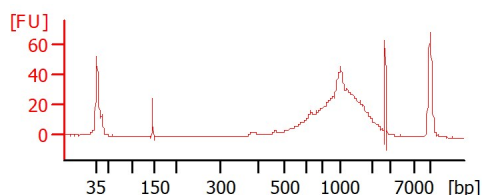
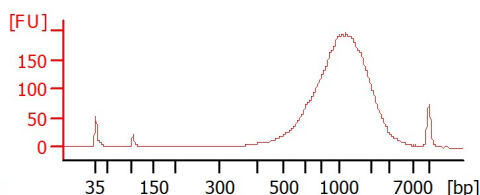
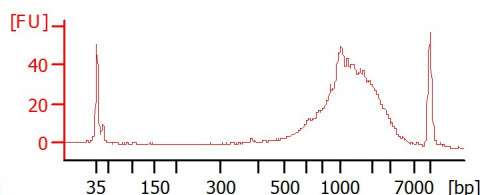
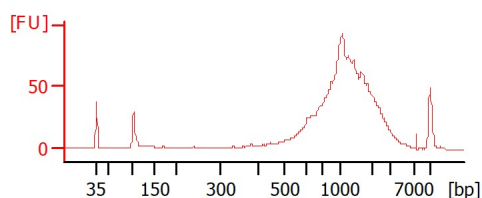
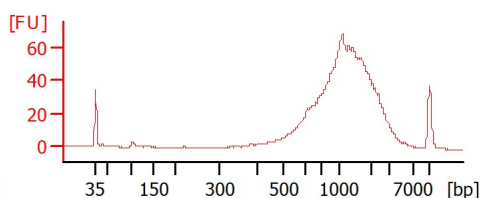
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

GPI_50883_6**NACC_49610_1****NACC_51767_2****NACC_50141_3****NACC_47853_4****NACC_51102_5****NACC_50883_6****CE_49610_1****CE_51767_2****CE_50141_3****CE_47853_4**

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
 Modified: 4/17/2025 2:40:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
GPI_50883_6		☐	✓			
NACC_49610_1		☐	✓			
NACC_51767_2		☐	✓			
NACC_50141_3		☐	✓			
NACC_47853_4		☐	✓			
NACC_51102_5		☐	✓			
NACC_50883_6		☐	✓			
CE_49610_1		☐	✓			
CE_51767_2		☐	✓			
CE_50141_3		☐	✓			
CE_47853_4		☐	✓			
Ladder		☐	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
 Modified: 4/17/2025 2:40:29 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

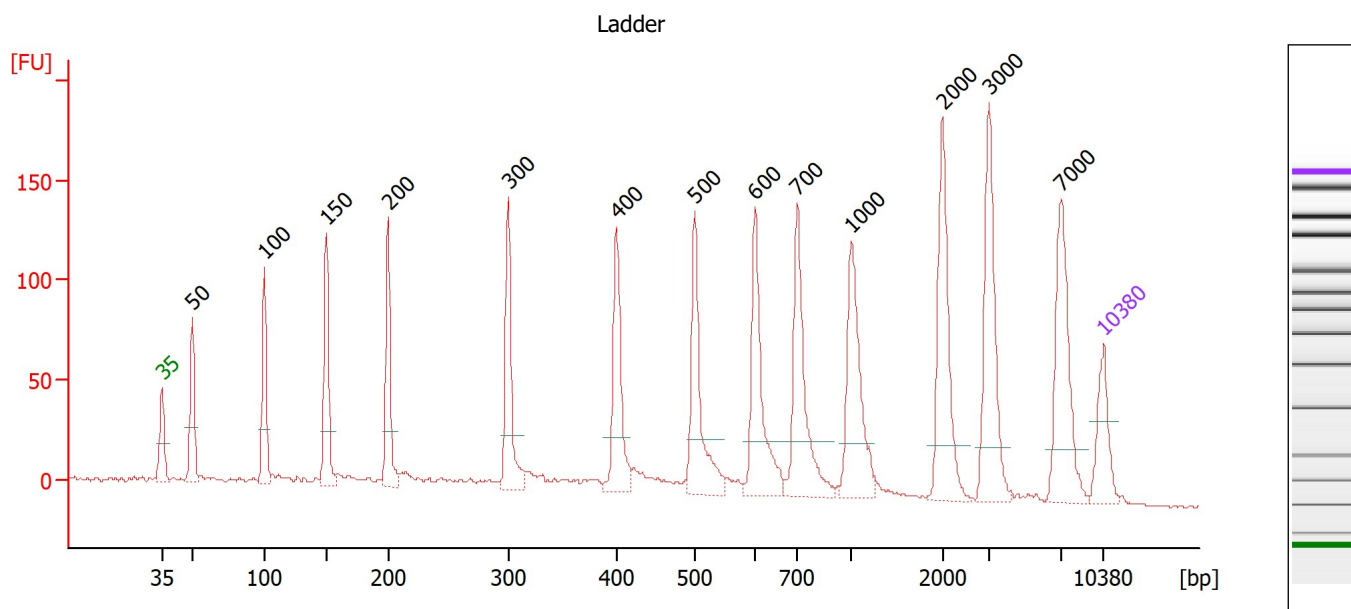
Ladder

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_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

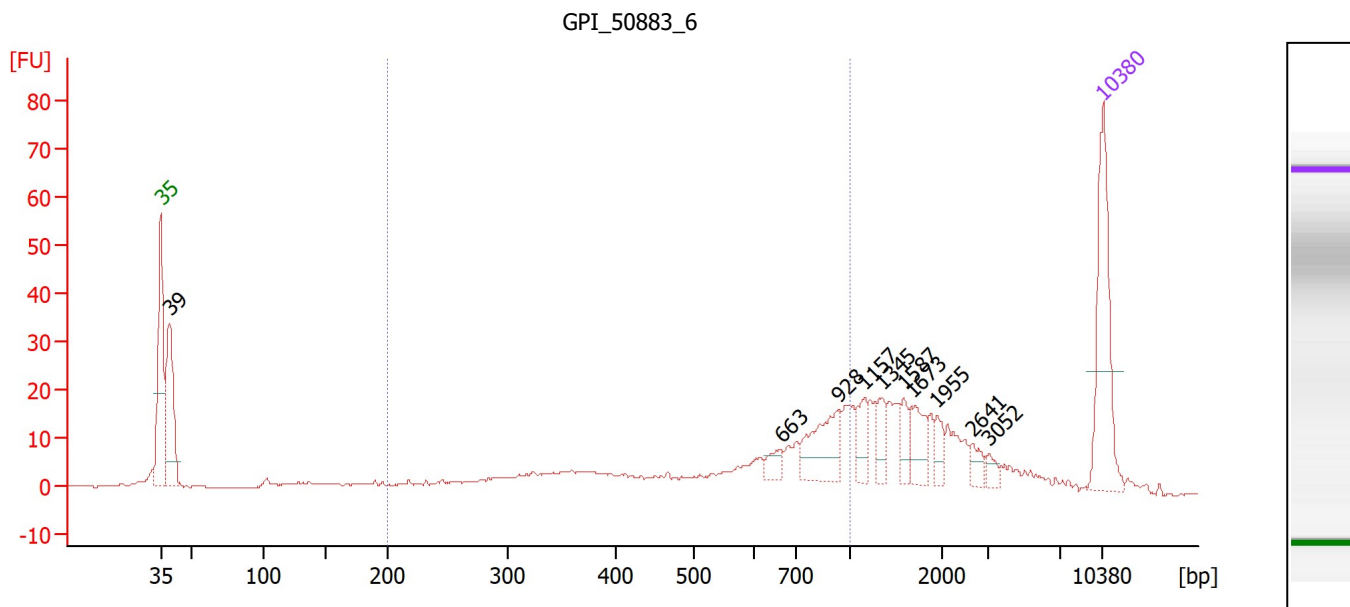
Peak table for Ladder

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_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : GPI_50883_6

Number of peaks found: 10 Corr. Area 1: 191.1
Noise: 0.2

Peak table for sample 1 : GPI_50883_6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	105.01	4,063.0	
3	663	11.12	25.4	
4	928	47.36	77.3	
5	1,157	16.71	21.9	
6	1,345	17.69	19.9	
7	1,587	13.37	12.8	
8	1,673	22.98	20.8	
9	1,955	10.48	8.1	
10	2,641	9.00	5.2	
11	3,052	6.56	3.3	
12	10,380	75.00	10.9	Upper Marker

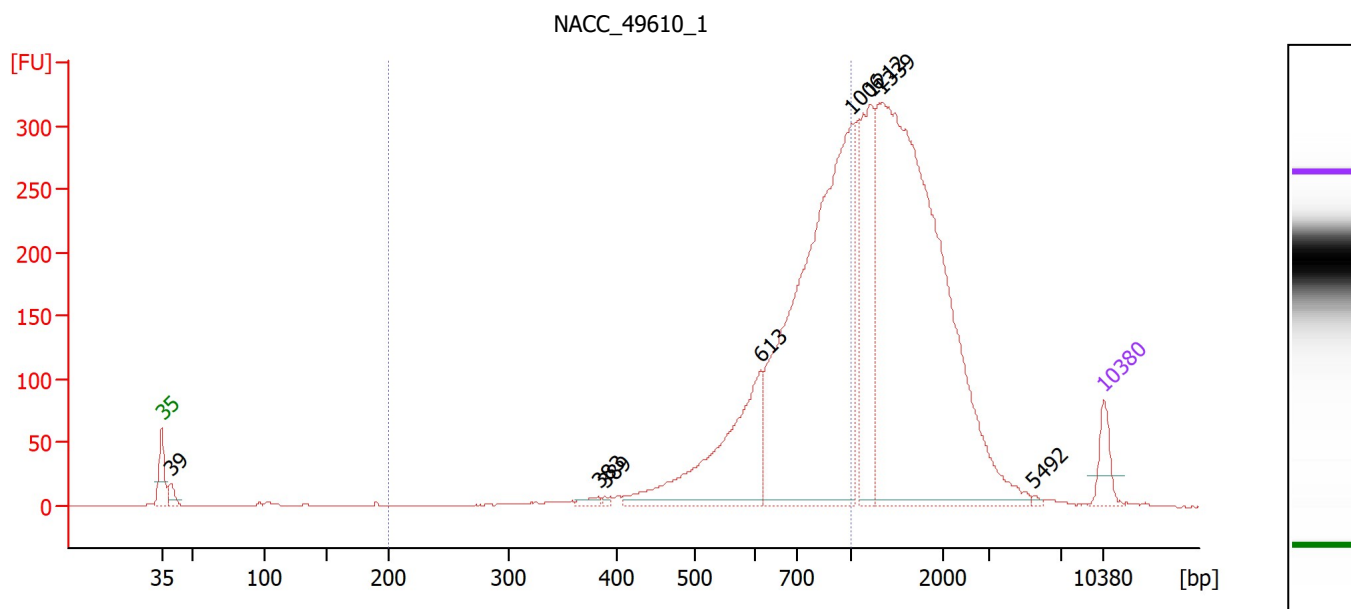
Region table for sample 1 : GPI_50883_6

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	191.1	41	607	37.4	275.56	889.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
Modified: 4/17/2025 2:40:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NACC 49610 1

Number of peaks found: 8 Corr. Area 1: 1,929.5
Noise: 0.2

Peak table for sample 2 : NACC 49610 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	48.65	1,880.0	
3	383	19.40	76.7	
4	389	9.27	36.1	
5	613	622.28	1,537.1	
6	1,006	1,828.88	2,753.6	
7	1,212	489.17	611.4	
8	1,339	2,274.54	2,574.1	
9	5,492	6.29	1.7	
10	10,380	75.00	10.9	Upper Marker

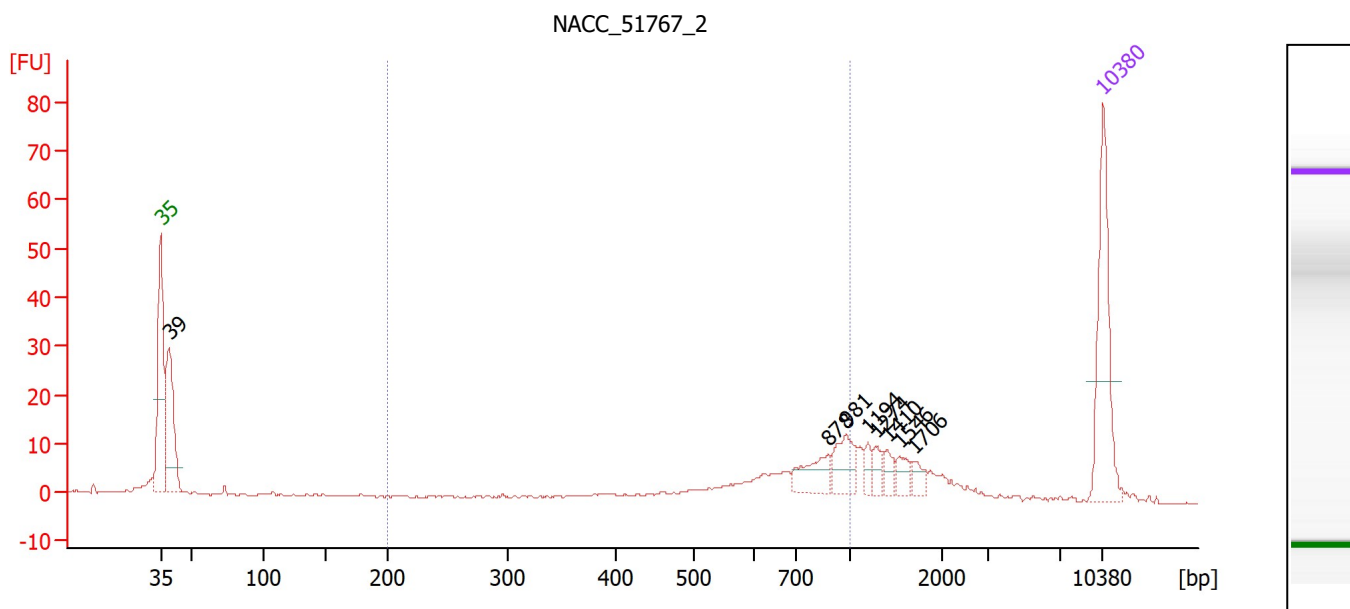
Region table for sample 2 : NACC 49610 1

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	1,929.5	44	735	22.1	2,673.71	5,961.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : NACC 51767 2

Number of peaks found: 8 Corr. Area 1: 80.2
Noise: 0.2

Peak table for sample 3 : NACC 51767 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	100.91	3,930.8	
3	878	27.28	47.1	
4	981	28.65	44.3	
5	1,194	9.48	12.0	
6	1,274	9.03	10.7	
7	1,410	9.06	9.7	
8	1,546	10.02	9.8	
9	1,706	8.48	7.5	
10	10,380	75.00	10.9	Upper Marker

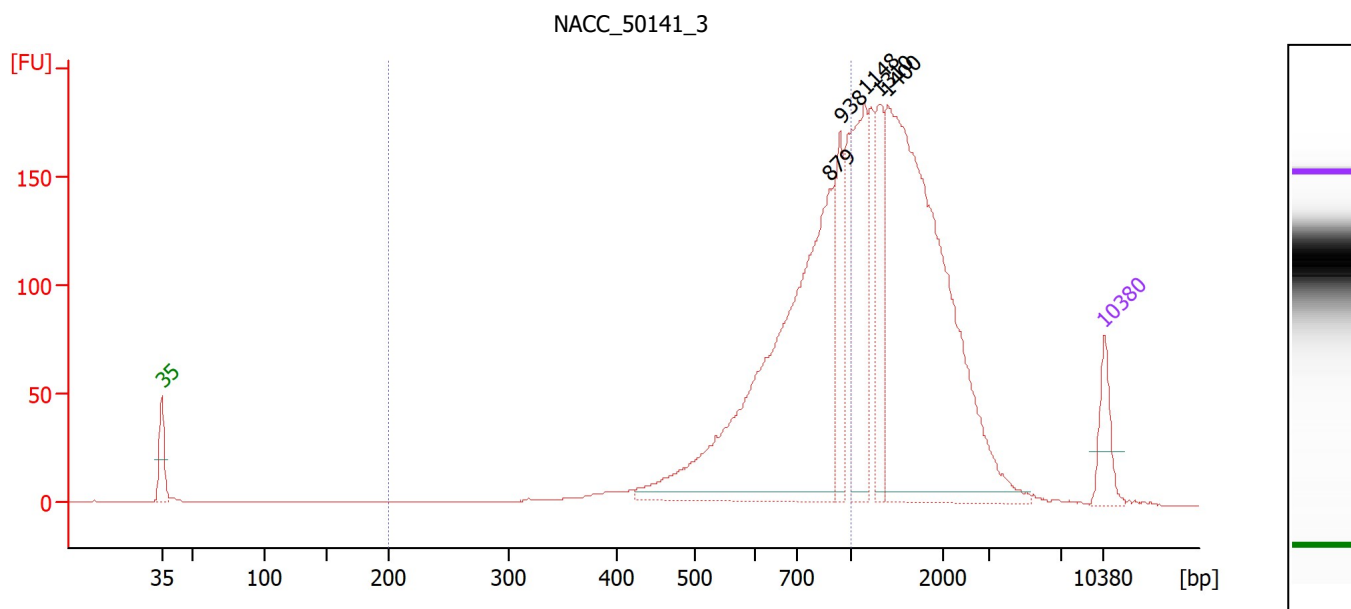
Region table for sample 3 : NACC 51767 2

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	80.2	37	722	23.8	120.48	276.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
Modified: 4/17/2025 2:40:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NACC_50141_3

Number of peaks found: 5 Corr. Area 1: 1,130.3
Noise: 0.1

Peak table for sample 4 : NACC_50141_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	879	1,198.24	2,064.4	
3	938	185.40	299.5	
4	1,148	303.88	401.2	
5	1,310	192.91	223.0	
6	1,400	1,255.37	1,358.6	Upper Marker
7	10,380	75.00	10.9	

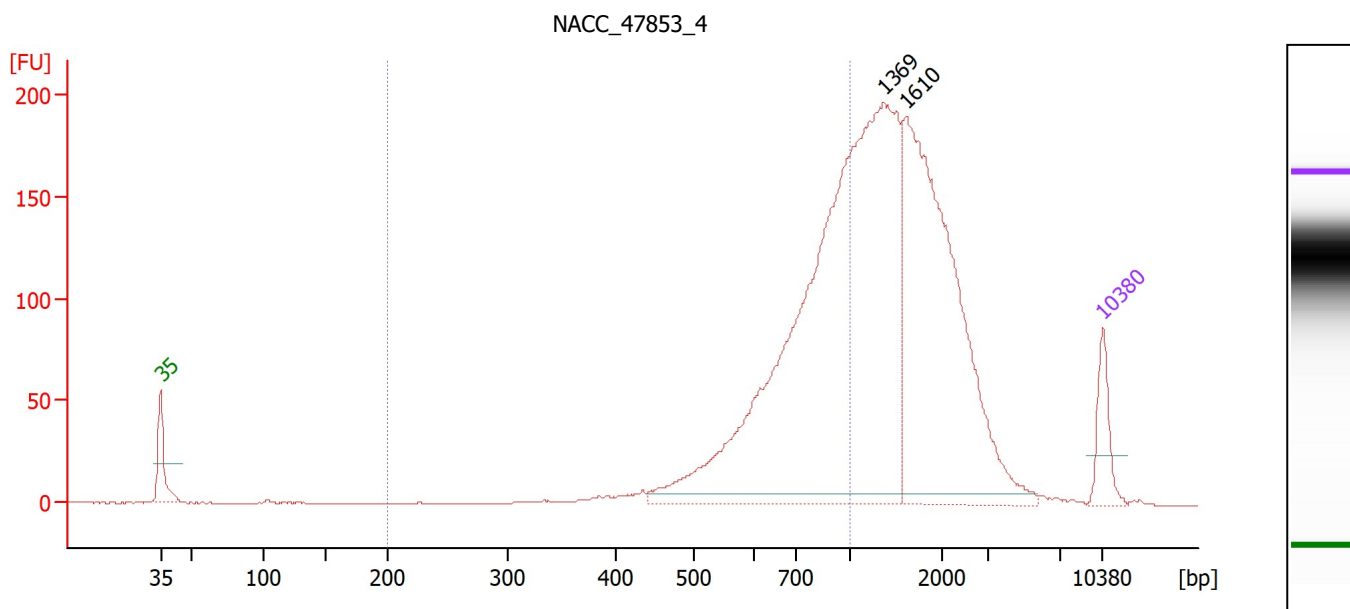
Region table for sample 4 : NACC_50141_3

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	1,130.3	44	731	22.4	1,727.00	3,871.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
Modified: 4/17/2025 2:40:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NACC 47853 4

Number of peaks found: 2 Corr. Area 1: 1,020.8
Noise: 0.2

Peak table for sample 5 : NACC 47853 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,369	1,818.88	2,013.2	
3	1,610	955.43	899.3	
4	10,380	75.00	10.9	Upper Marker

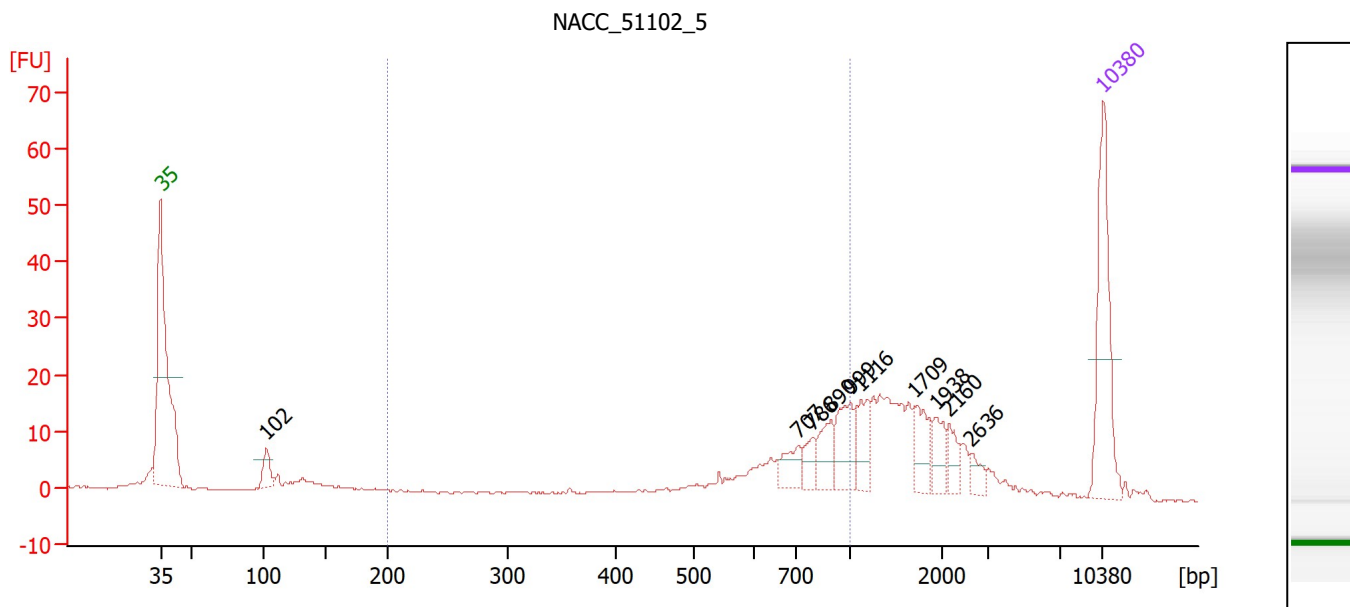
Region table for sample 5 : NACC 47853 4

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	1,020.8	39	743	21.7	1,303.16	2,856.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
 Modified: 4/17/2025 2:40:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : NACC 51102 5

Number of peaks found: 10 Corr. Area 1: 92.0
 Noise: 0.1

Peak table for sample 6 : NACC 51102 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	102	19.78	293.2	
3	707	20.43	43.8	
4	786	13.28	25.6	
5	890	23.45	39.9	
6	999	34.14	51.8	
7	1,116	24.12	32.7	
8	1,709	24.30	21.5	
9	1,938	17.75	13.9	
10	2,160	12.47	8.7	
11	2,636	8.37	4.8	
12	10,380	75.00	10.9	Upper Marker

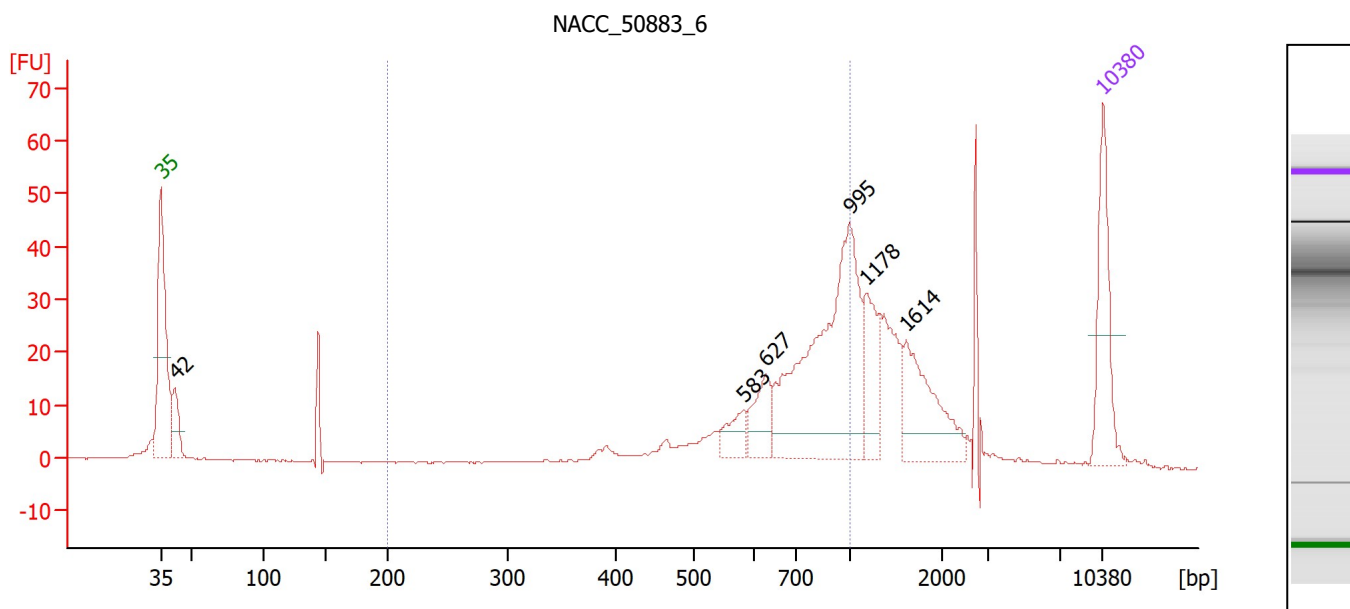
Region table for sample 6 : NACC 51102 5

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	92.0	33	742	21.8	149.21	328.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : NACC_50883_6

Number of peaks found: 6 Corr. Area 1: 229.9
Noise: 0.1

Peak table for sample 7 : NACC_50883_6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	42.87	1,553.1	
3	583	29.05	75.5	
4	627	45.52	109.9	
5	995	284.03	432.7	Upper Marker
6	1,178	58.24	74.9	
7	1,614	91.99	86.4	
8	10,380	75.00	10.9	

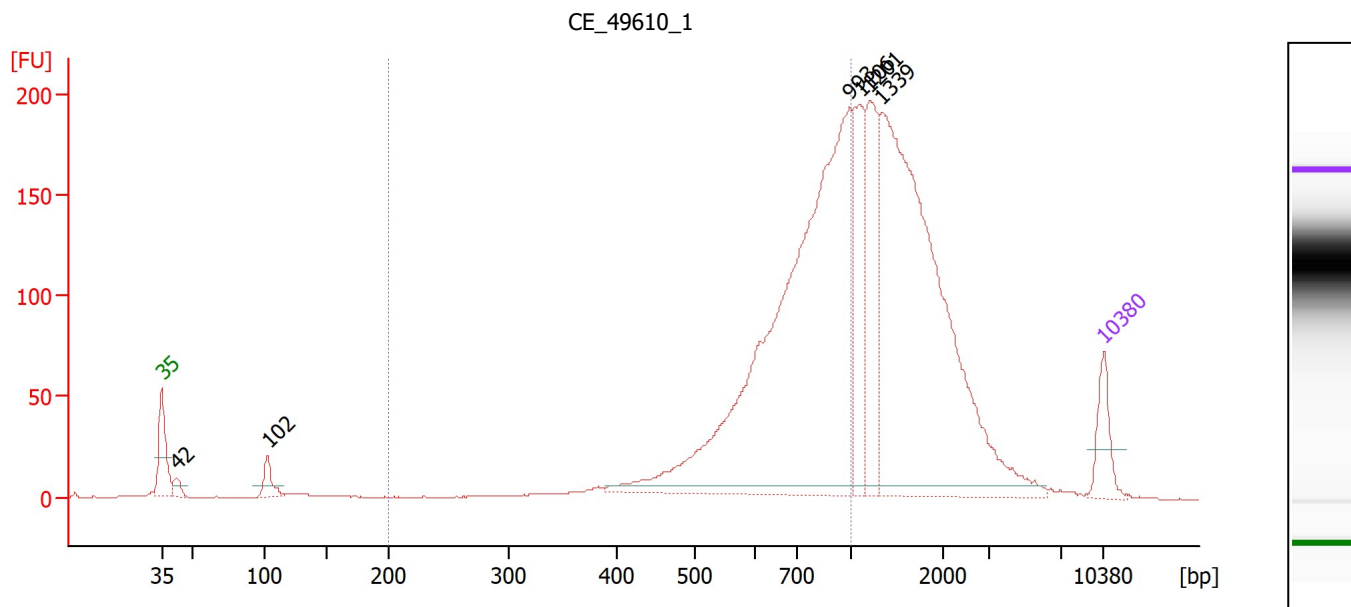
Region table for sample 7 : NACC_50883_6

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	229.9	48	729	23.2	408.34	920.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
Modified: 4/17/2025 2:40:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CE 49610_1

Number of peaks found: 6 Corr. Area 1: 1,318.1
Noise: 0.2

Peak table for sample 8 : CE 49610_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	42	30.71	1,101.3	
3	102	61.38	908.4	
4	993	1,650.62	2,519.3	
5	1,106	215.22	294.7	
6	1,201	286.54	361.4	
7	1,339	1,286.37	1,455.6	
8	10,380	75.00	10.9	Upper Marker

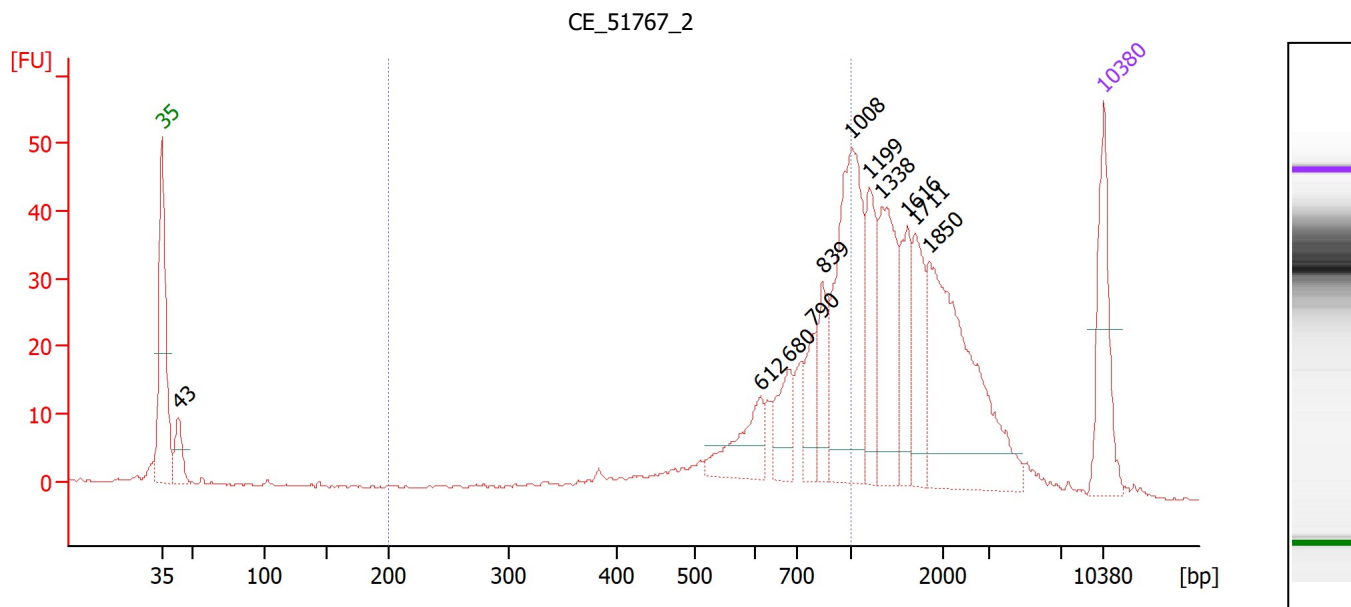
Region table for sample 8 : CE 49610_1

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	1,318.1	47	727	22.8	1,964.29	4,466.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
Modified: 4/17/2025 2:40:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CE_51767_2

Number of peaks found: 11 Corr. Area 1: 236.4
Noise: 0.1

Peak table for sample 9 : CE_51767_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	43	44.29	1,557.9	
3	612	64.50	159.7	
4	680	48.25	107.5	
5	790	44.51	85.3	
6	839	48.35	87.3	
7	1,008	206.59	310.5	
8	1,199	71.08	89.8	
9	1,338	109.39	123.9	
10	1,616	57.92	54.3	
11	1,711	61.34	54.3	
12	1,850	216.40	177.2	
13	10,380	75.00	10.9	Upper Marker

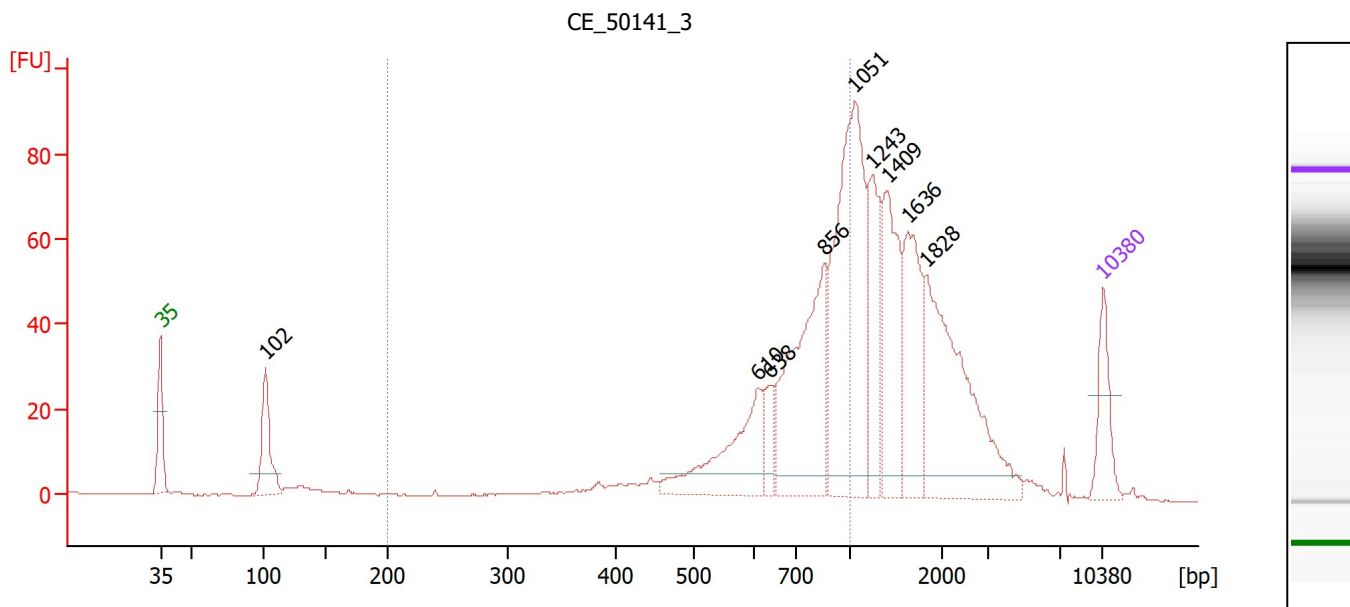
Region table for sample 9 : CE_51767_2

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	236.4	37	736	23.9	475.46	1,079.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : CE_50141_3

Number of peaks found: 9 Corr. Area 1: 432.0
 Noise: 0.2

Peak table for sample 10 : CE_50141_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	102	143.61	2,140.1	
3	610	205.04	509.3	
4	638	51.96	123.4	
5	856	360.34	638.1	
6	1,051	501.16	722.8	
7	1,243	148.31	180.8	
8	1,409	208.37	224.1	
9	1,636	179.49	166.2	
10	1,828	358.00	296.7	
11	10,380	75.00	10.9	Upper Marker

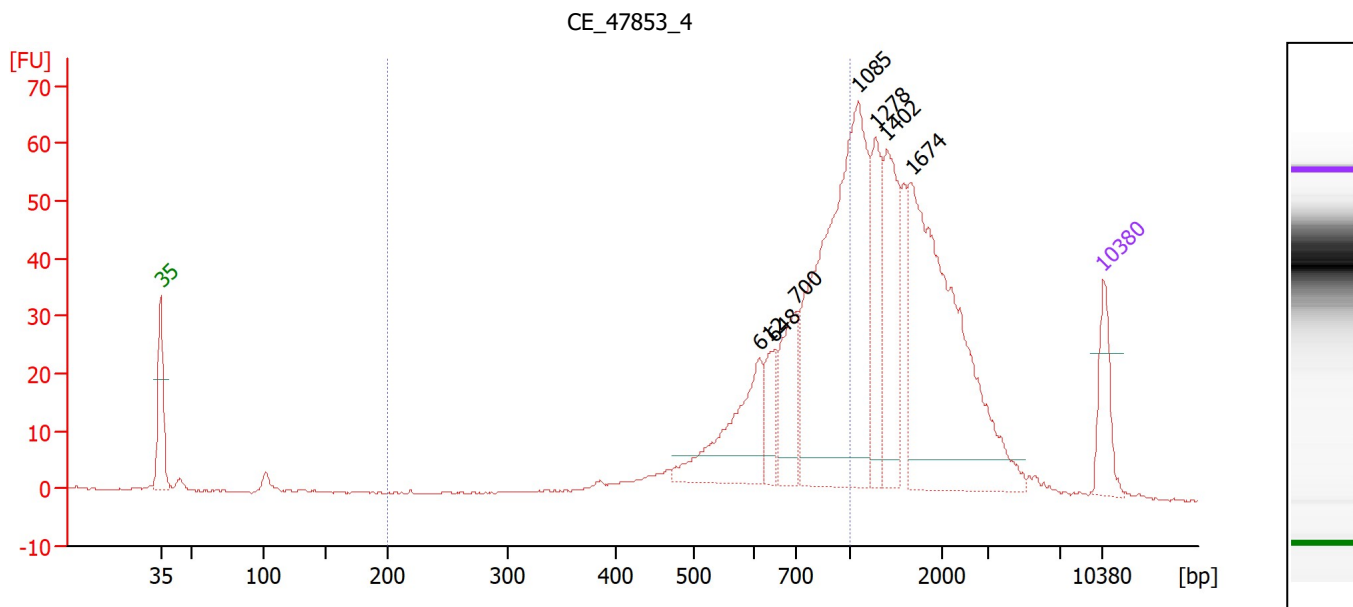
Region table for sample 10 : CE_50141_3

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	432.0	40	735	23.7	1,039.59	2,368.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : CE_47853_4

Number of peaks found: 7 Corr. Area 1: 360.1
Noise: 0.1

Peak table for sample 11 : CE_47853_4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	612	221.43	548.2	
3	648	74.65	174.6	
4	700	147.34	318.7	
5	1,085	734.68	1,026.1	
6	1,278	146.07	173.1	
7	1,402	208.55	225.5	
8	1,674	591.06	534.9	
9	10,380	75.00	10.9	Upper Marker

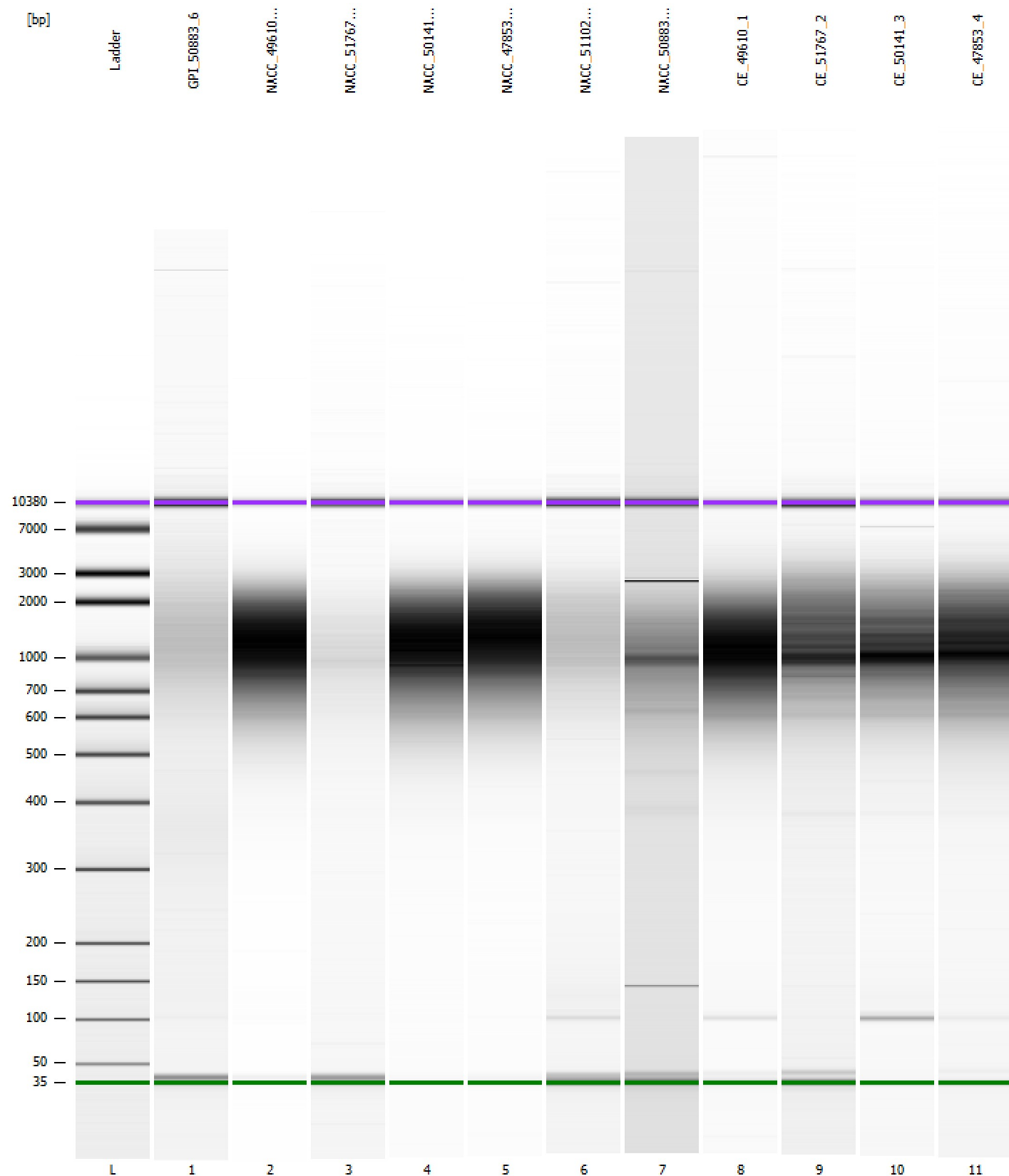
Region table for sample 11 : CE_47853_4

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	360.1	41	728	22.3	1,137.63	2,549.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
 Modified: 4/17/2025 2:40:29 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad

Created: 4/17/2025 10:48:19 AM
 Modified: 4/17/2025 2:40:29 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		4/17/2025 11:28:46 AM	(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\2025-04-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-04-17_002.xad)		Instrument	Run		4/17/2025 10:48:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/17/2025 10:48:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/17/2025 10:48:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/17/2025 10:48:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/17/2025 10:48:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/17/2025 10:48:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/17/2025 10:48:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB