

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-03-22\QC1435.xad

Created: 3/22/2023 9:29:47 AM
Modified: 3/22/2023 10:53:59 AM

Electrophoresis File Run Summary

Instrument Information:

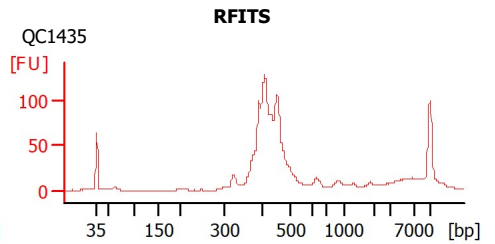
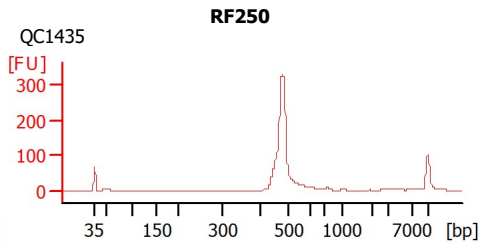
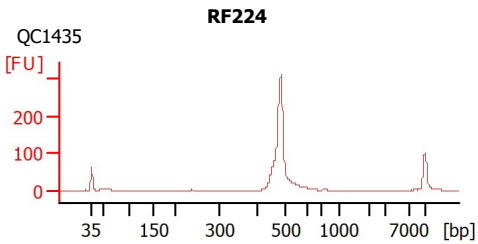
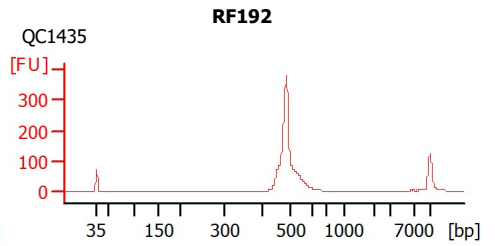
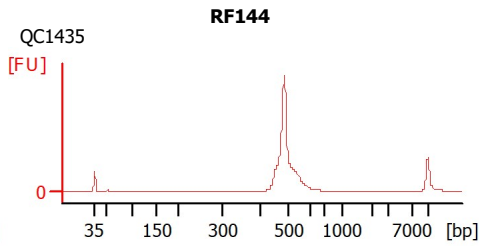
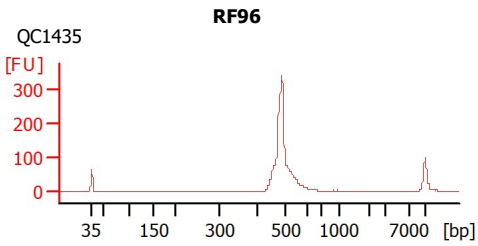
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RF96	QC1435	<input type="checkbox"/>		✓		
RF144	QC1435	<input type="checkbox"/>		✓		
RF192	QC1435	<input type="checkbox"/>		✓		
RF224	QC1435	<input type="checkbox"/>		✓		
RF250	QC1435	<input type="checkbox"/>		✓		
RFITS	QC1435	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

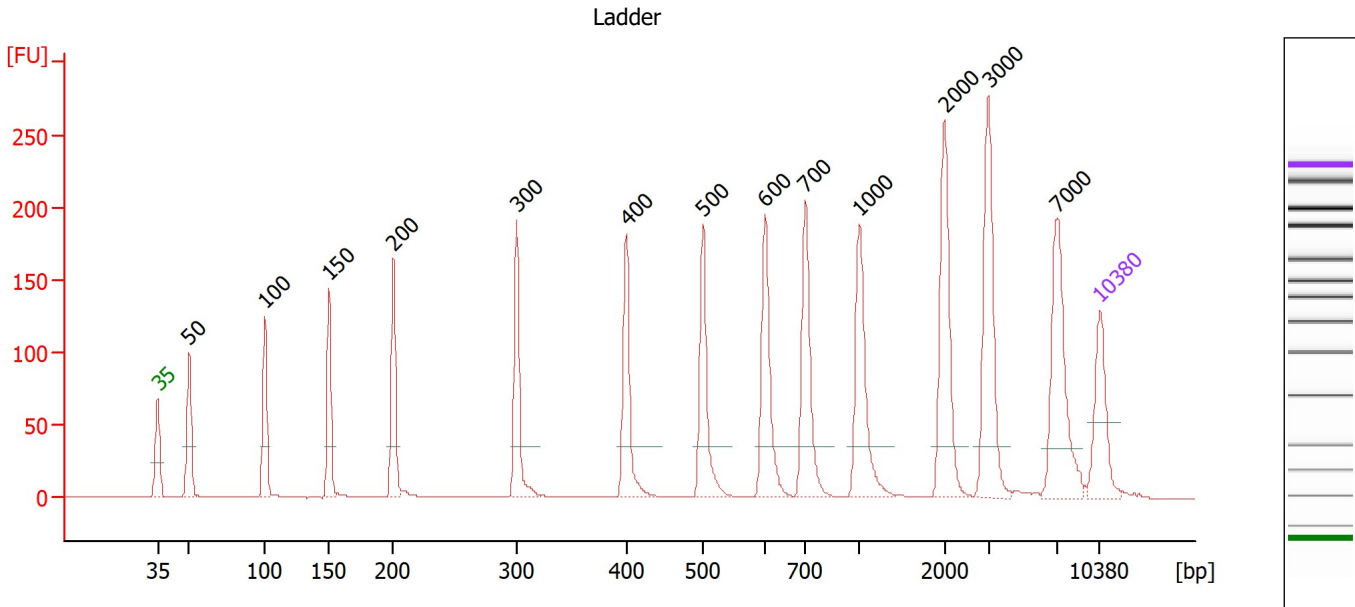
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

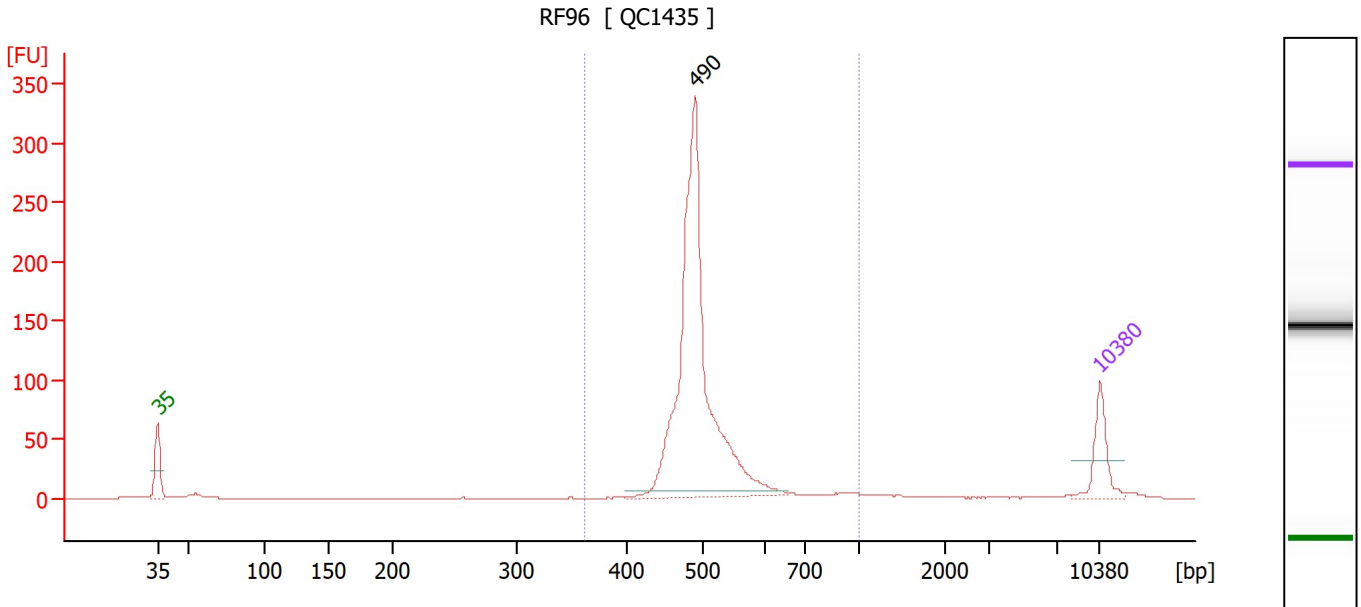
Peak table for Ladder

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

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Electropherogram Summary Continued ...



Overall Results for sample 6 : RF96

Number of peaks found: 1 Corr. Area 1: 907.7
 Noise: 0.2

Peak table for sample 6 : RF96

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	490	1,006.71	3,114.8	
3	10,380	75.00	10.9	Upper Marker

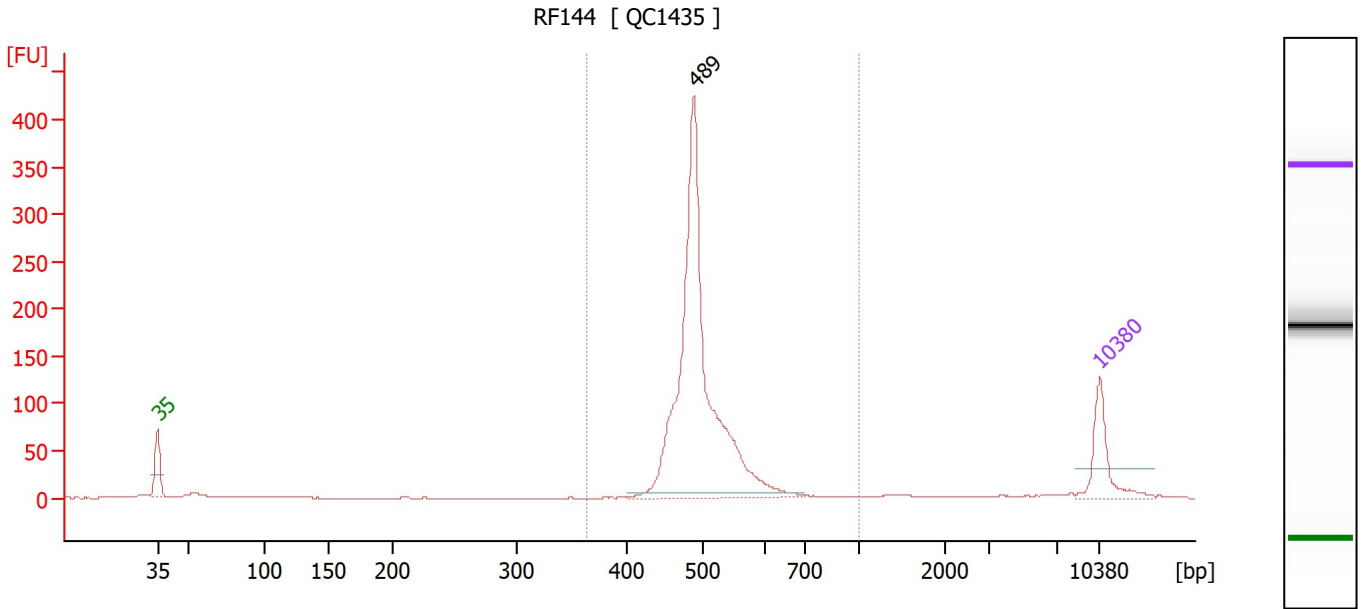
Region table for sample 6 : RF96

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
362	1,000	907.7	89	507	13.7	1,068.94	3,245.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-03-22\QC1435.xad

Created: 3/22/2023 9:29:47 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : RF144

Number of peaks found: 1 Corr. Area 1: 1,120.6
 Noise: 0.3

Peak table for sample 7 : RF144

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	489	858.60	2,662.0	
3	10,380	75.00	10.9	Upper Marker

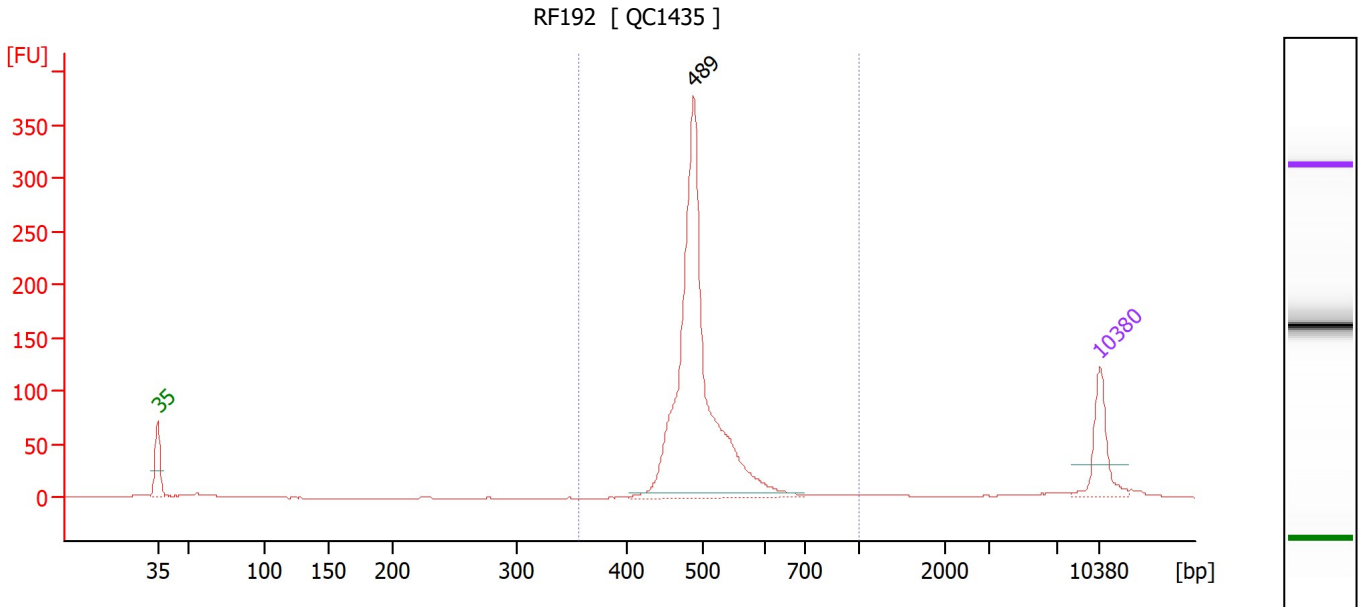
Region table for sample 7 : RF144

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
364	1,000	1,120.6	87	505	11.3	877.87	2,666.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-03-22\QC1435.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : RF192

Number of peaks found: 1 Corr. Area 1: 992.1
 Noise: 0.3

Peak table for sample 8 : RF192

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	489	832.60	2,582.3	
3	10,380	75.00	10.9	Upper Marker

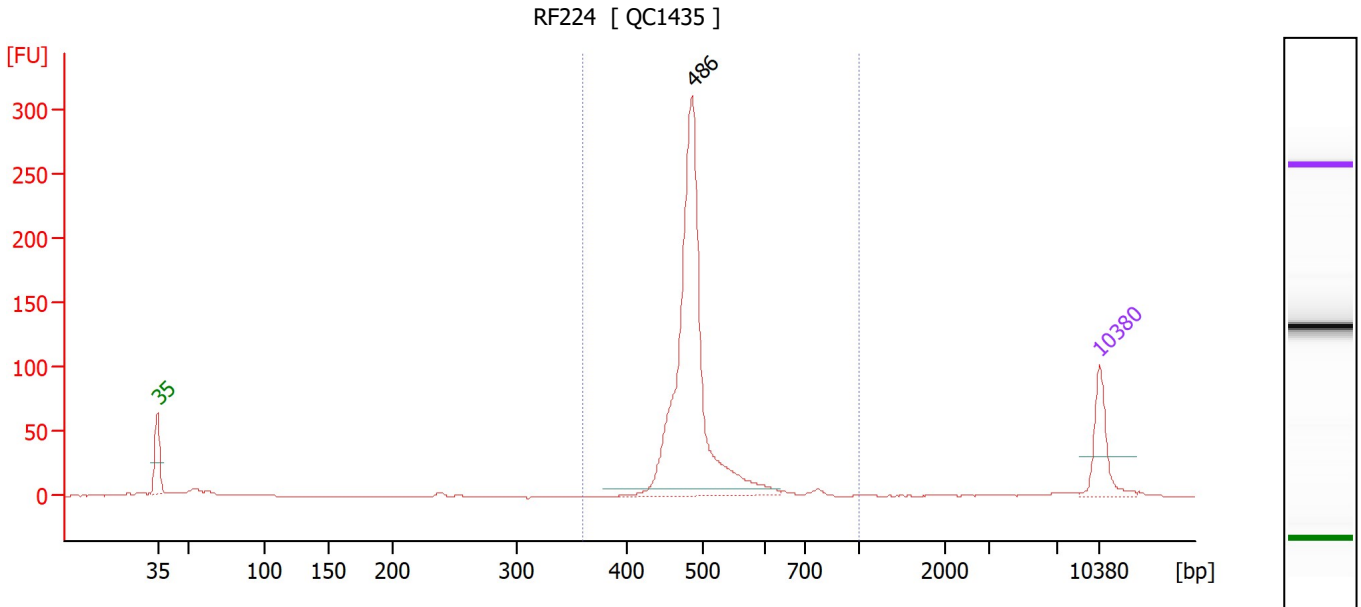
Region table for sample 8 : RF192

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
357	1,000	992.1	87	505	12.5	853.18	2,593.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-03-22\QC1435.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : RF224

Number of peaks found: 1 Corr. Area 1: 746.6
 Noise: 0.2

Peak table for sample 9 : RF224

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	486	772.22	2,406.3	
3	10,380	75.00	10.9	Upper Marker

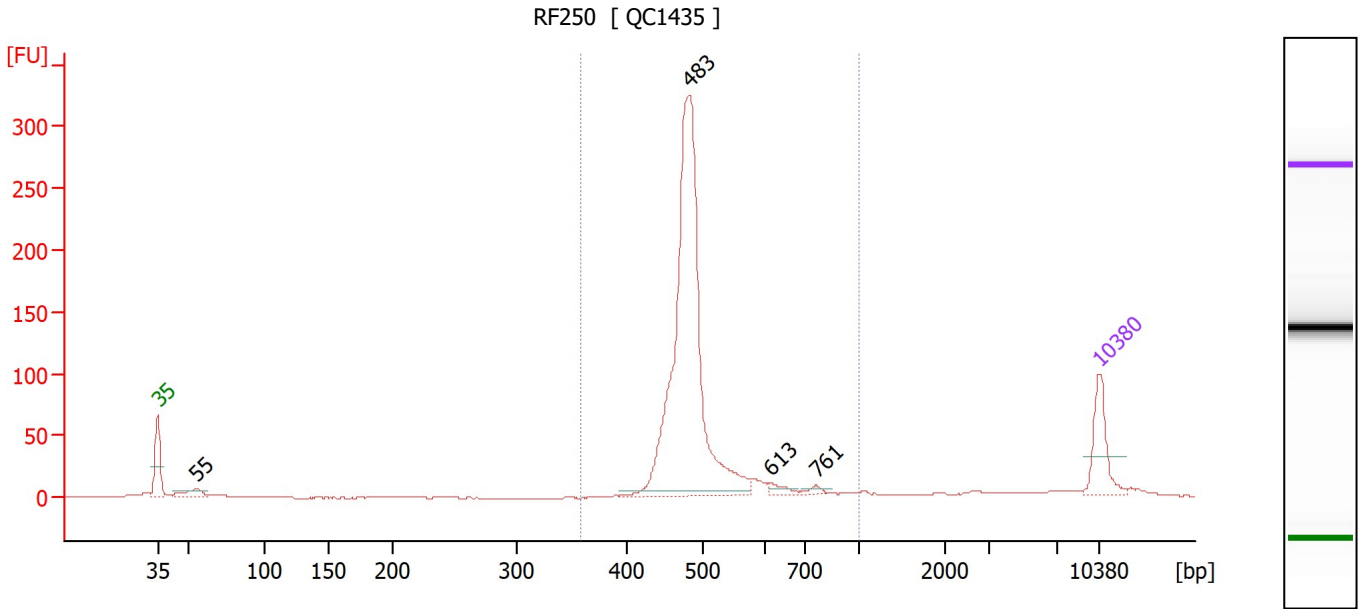
Region table for sample 9 : RF224

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
361	1,000	746.6	85	498	12.3	821.04	2,530.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-03-22\QC1435.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : RF250

Number of peaks found: 4 Corr. Area 1: 920.2
 Noise: 0.2

Peak table for sample 10 : RF250

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	35.46	981.7	
3	483	927.50	2,912.4	
4	613	14.69	36.3	
5	761	8.90	17.7	
6	10,380	75.00	10.9	Upper Marker

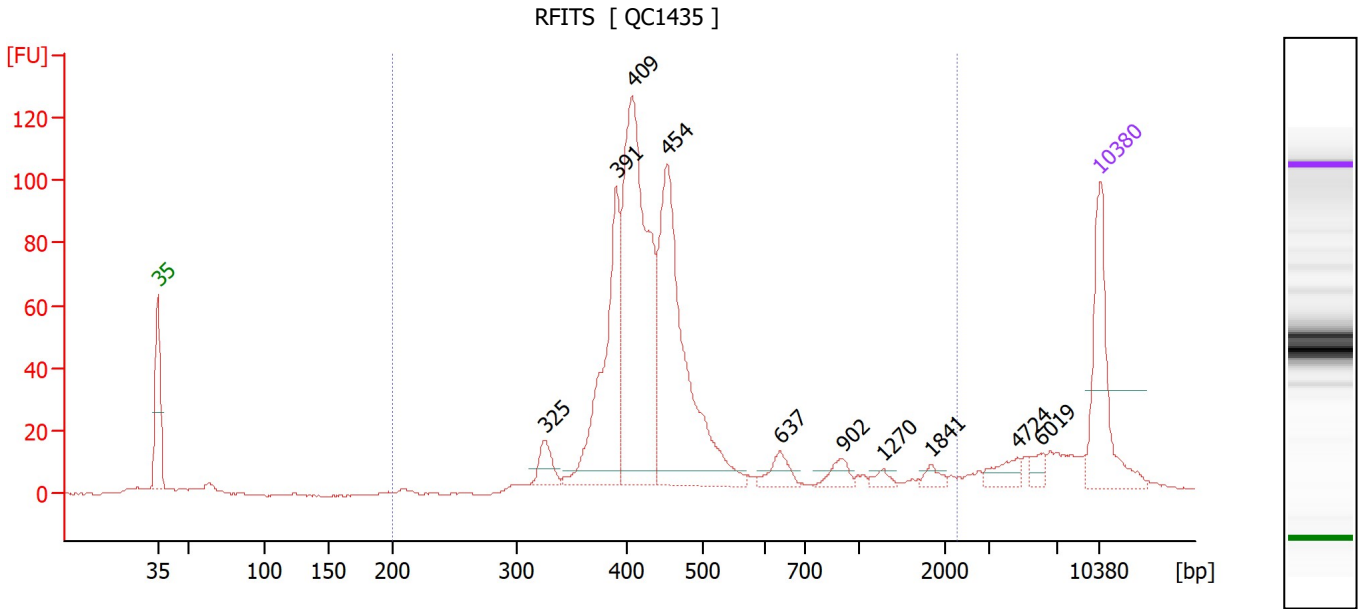
Region table for sample 10 : RF250

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
359	1,000	920.2	84	500	14.7	1,027.75	3,169.5	Blue

Assay Class: High Sensitivity DNA Assay
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Created: 3/22/2023 9:29:47 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : RFITS

Number of peaks found: 10 Corr. Area 1: 985.7
 Noise: 0.2

Peak table for sample 11 : RFITS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	325	24.45	113.9	
3	391	176.54	683.3	
4	409	327.00	1,211.7	
5	454	279.15	931.8	
6	637	18.81	44.7	
7	902	13.42	22.5	
8	1,270	6.23	7.4	
9	1,841	7.35	6.0	
10	4,724	14.38	4.6	
11	6,019	8.22	2.1	
12	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : RFITS

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,267	985.7	85	518	58.1	1,000.92	3,445.8	Blue

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Data Path: C:\Users\sbsuser\Desktop\2023-03-22\QC1435.xad

Created: 3/22/2023 9:29:47 AM
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Gel Image

Assay Class: High Sensitivity DNA Assay
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Created: 3/22/2023 9:29:47 AM
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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		3/22/2023 10:11:15 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-03-22\Bioanalyzer1_High Sensitivity DNA Assay_2023-03-22_001.xad)		Instrument	Run		3/22/2023 9:29:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/22/2023 9:29:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/22/2023 9:29:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/22/2023 9:29:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/22/2023 9:29:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/22/2023 9:29:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/22/2023 9:29:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB