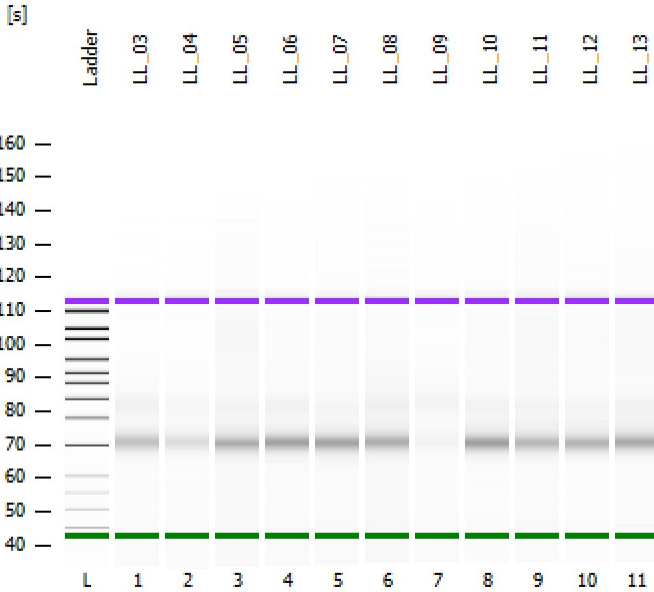


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
Modified: 7/10/2023 3:53:34 PM

Electrophoresis File Run Summary



Instrument Information:

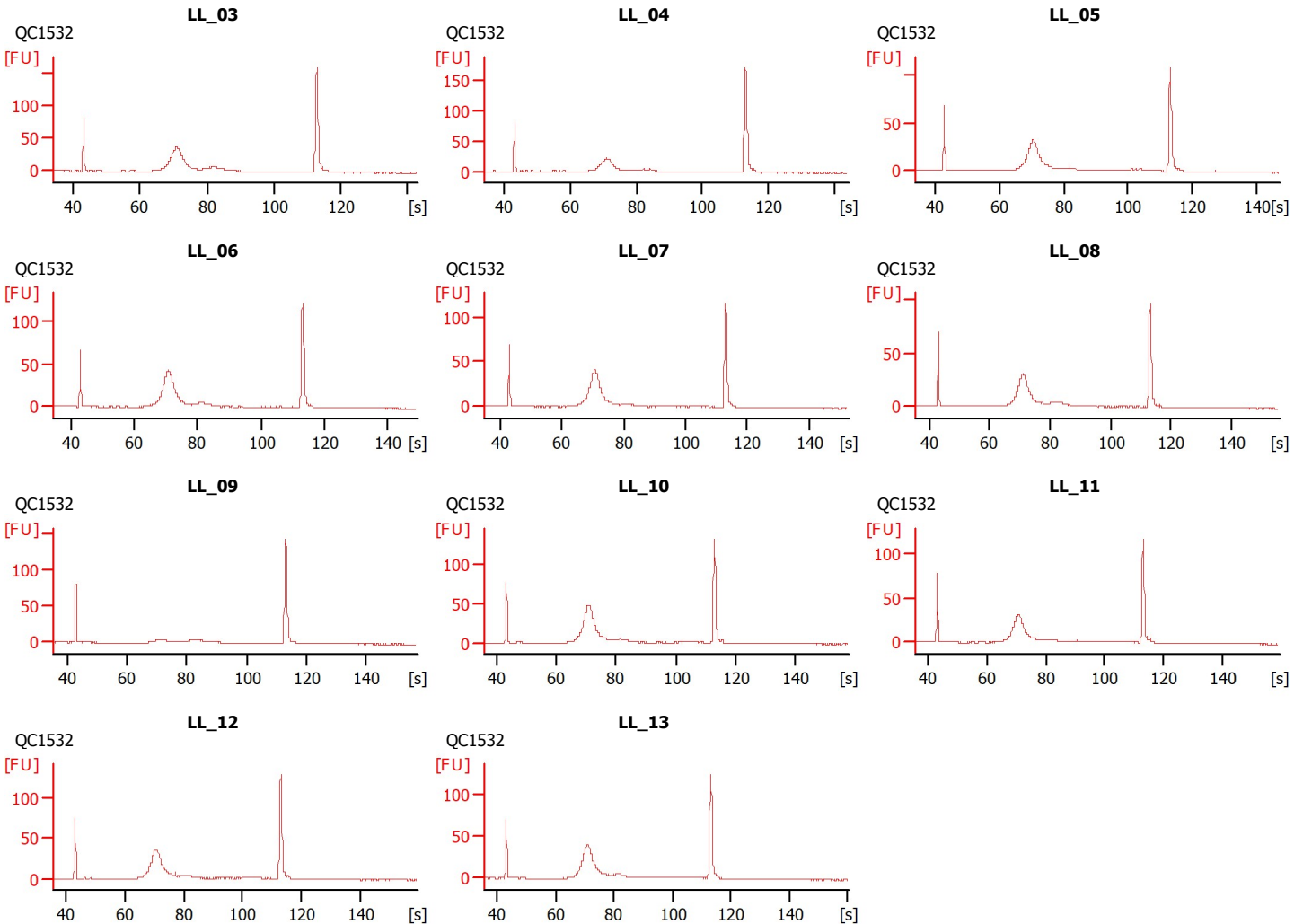
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LL_03	QC1532	<input type="checkbox"/>	✓			
LL_04	QC1532	<input type="checkbox"/>	✓			
LL_05	QC1532	<input type="checkbox"/>	✓			
LL_06	QC1532	<input type="checkbox"/>	✓			
LL_07	QC1532	<input type="checkbox"/>	✓			
LL_08	QC1532	<input type="checkbox"/>	✓			
LL_09	QC1532	<input type="checkbox"/>	✓			
LL_10	QC1532	<input type="checkbox"/>	✓			
LL_11	QC1532	<input type="checkbox"/>	✓			
LL_12	QC1532	<input type="checkbox"/>	✓			
LL_13	QC1532	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
Modified: 7/10/2023 3:53:34 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

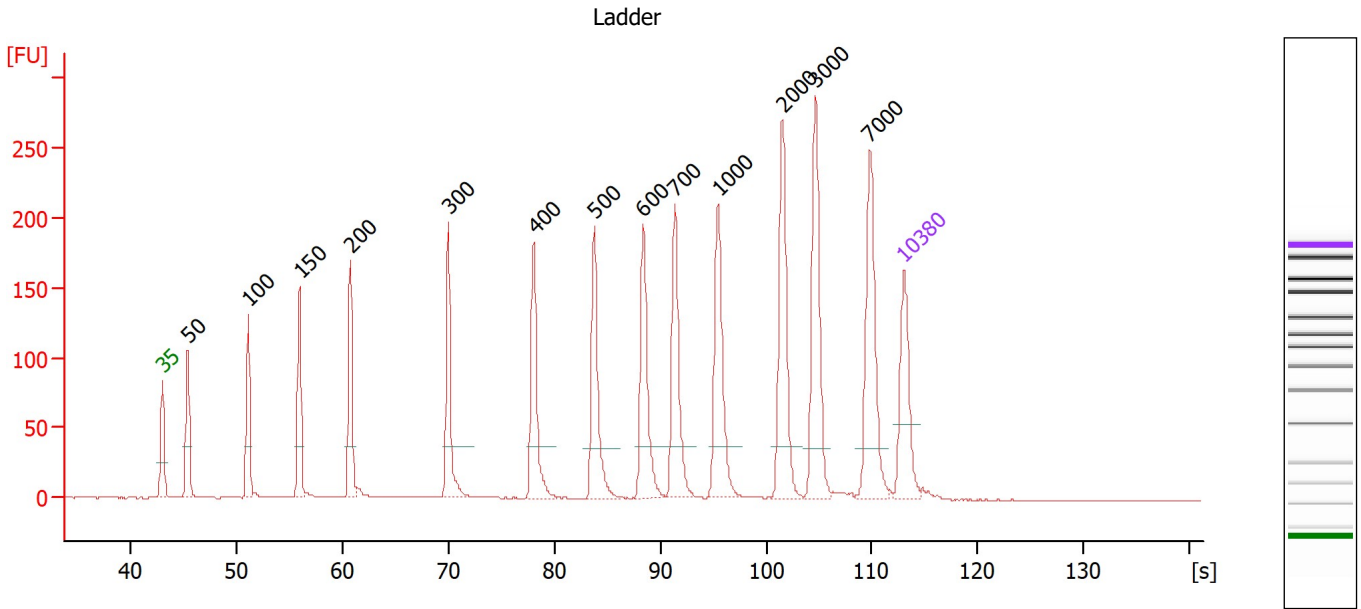
Ladder

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:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

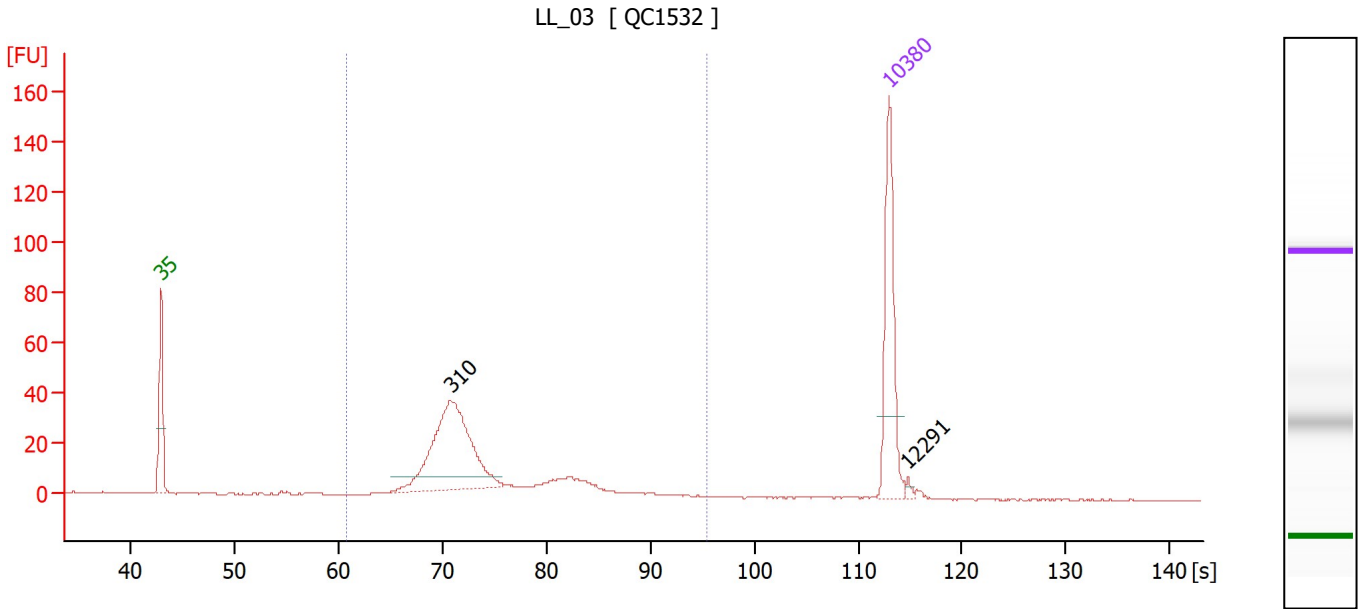
Peak table for Ladder

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:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : LL_03

Number of peaks found: 2 Corr. Area 1: 320.2
 Noise: 0.3

Peak table for sample 1 : LL_03

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	310	185.69	908.3	
3	10,380	75.00	10.9	Upper Marker
4	12,291	0.00	0.0	

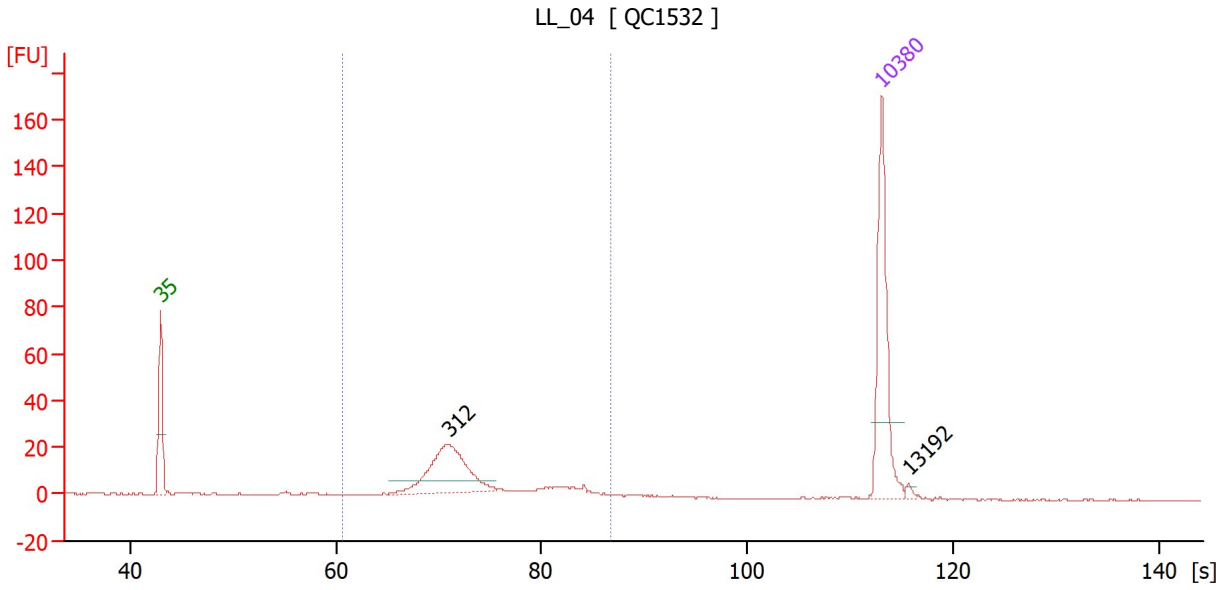
Region table for sample 1 : LL_03

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	95.45	320.2	96	355	25.0	265.38	1,204.2	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : LL_04

Number of peaks found: 2 Corr. Area 1: 190.4
 Noise: 0.2

Peak table for sample 2 : LL_04

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	312	93.57	454.7	
3	10,380	75.00	10.9	Upper Marker
4	13,192	0.00	0.0	

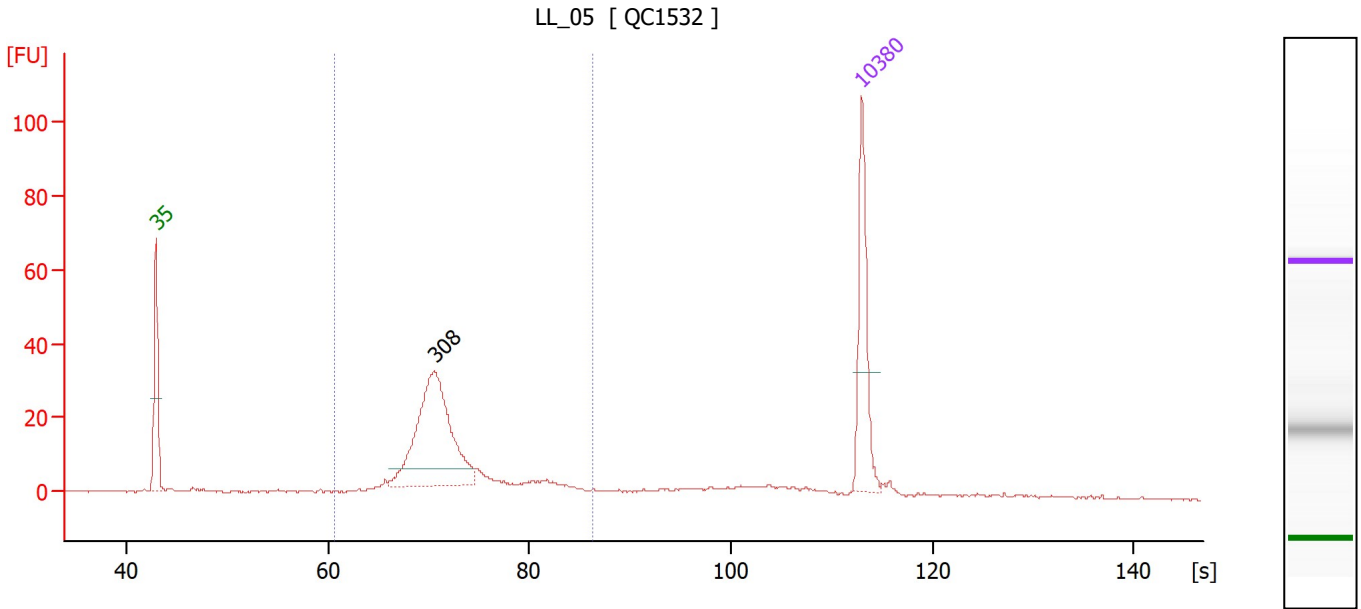
Region table for sample 2 : LL_04

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	86.72	190.4	86	345	20.1	139.78	642.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : LL_05

Number of peaks found: 1 Corr. Area 1: 252.0
 Noise: 0.3

Peak table for sample 3 : LL_05

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	308	232.46	1,145.2	
3	10,380	75.00	10.9	Upper Marker

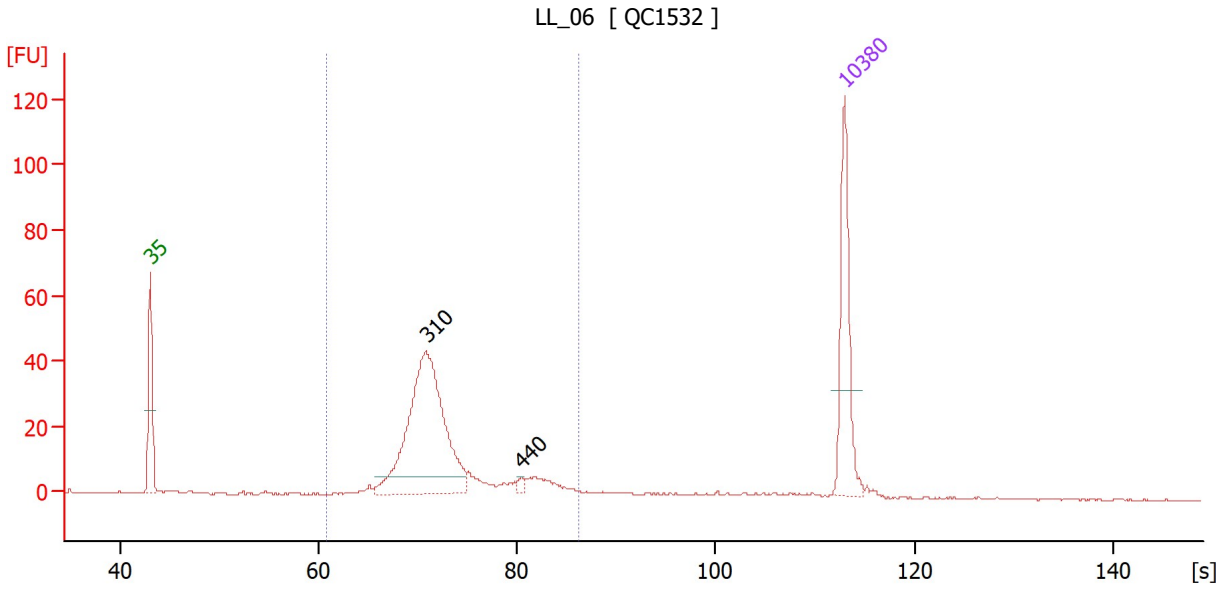
Region table for sample 3 : LL_05

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	86.40	252.0	79	330	17.9	333.75	1,586.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : LL_06

Number of peaks found: 2 Corr. Area 1: 330.3
 Noise: 0.2

Peak table for sample 4 : LL_06

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	310	284.00	1,389.1	
3	440	3.80	13.1	
4	10,380	75.00	10.9	Upper Marker

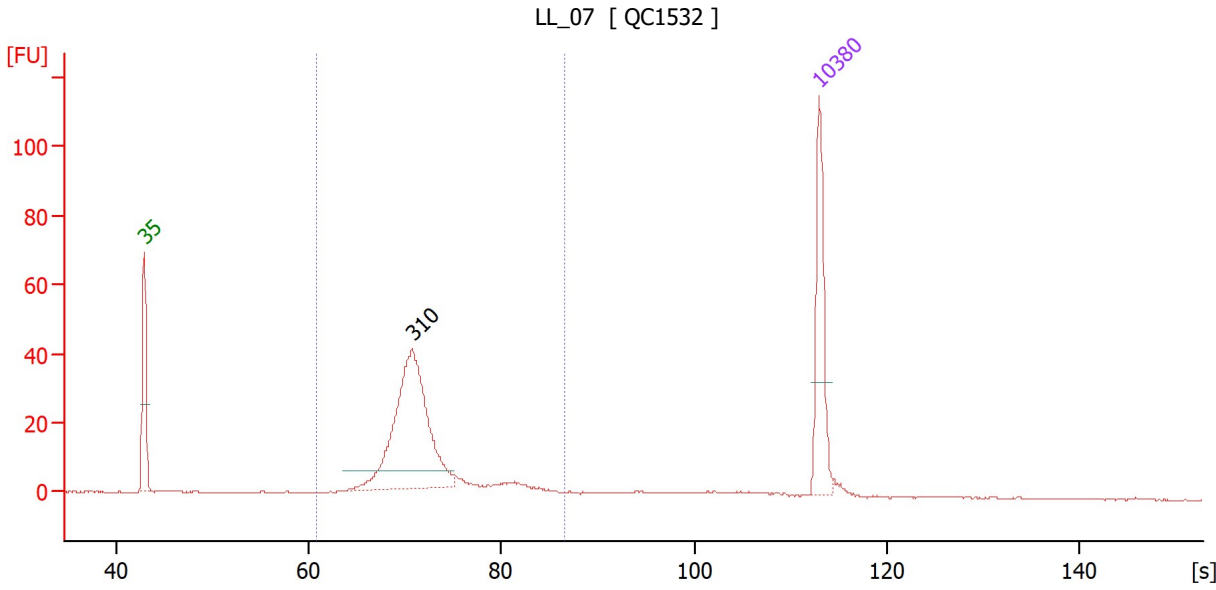
Region table for sample 4 : LL_06

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	86.12	330.3	86	334	18.1	359.11	1,686.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : LL_07

Number of peaks found: 1 Corr. Area 1: 287.7
 Noise: 0.2

Peak table for sample 5 : LL_07

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	310	279.14	1,364.5	
3	10,380	75.00	10.9	Upper Marker

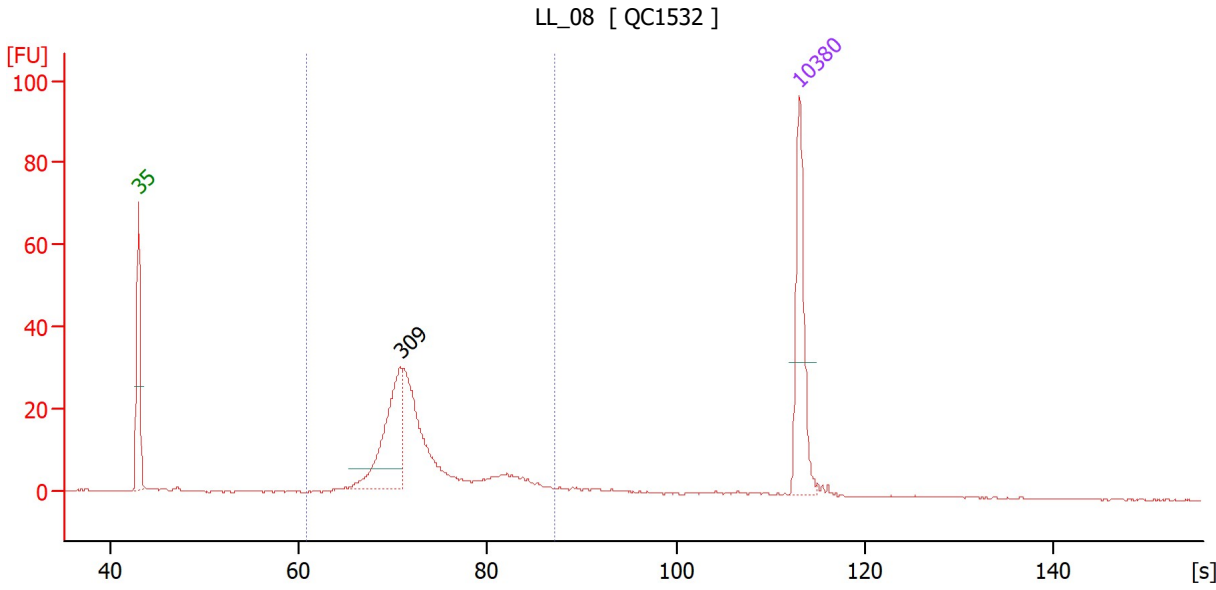
Region table for sample 5 : LL_07

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	86.51	287.7	86	326	16.5	356.06	1,700.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : LL_08

Number of peaks found: 1 Corr. Area 1: 244.1
 Noise: 0.2

Peak table for sample 6 : LL_08

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	309	126.01	617.8	
3	10,380	75.00	10.9	Upper Marker

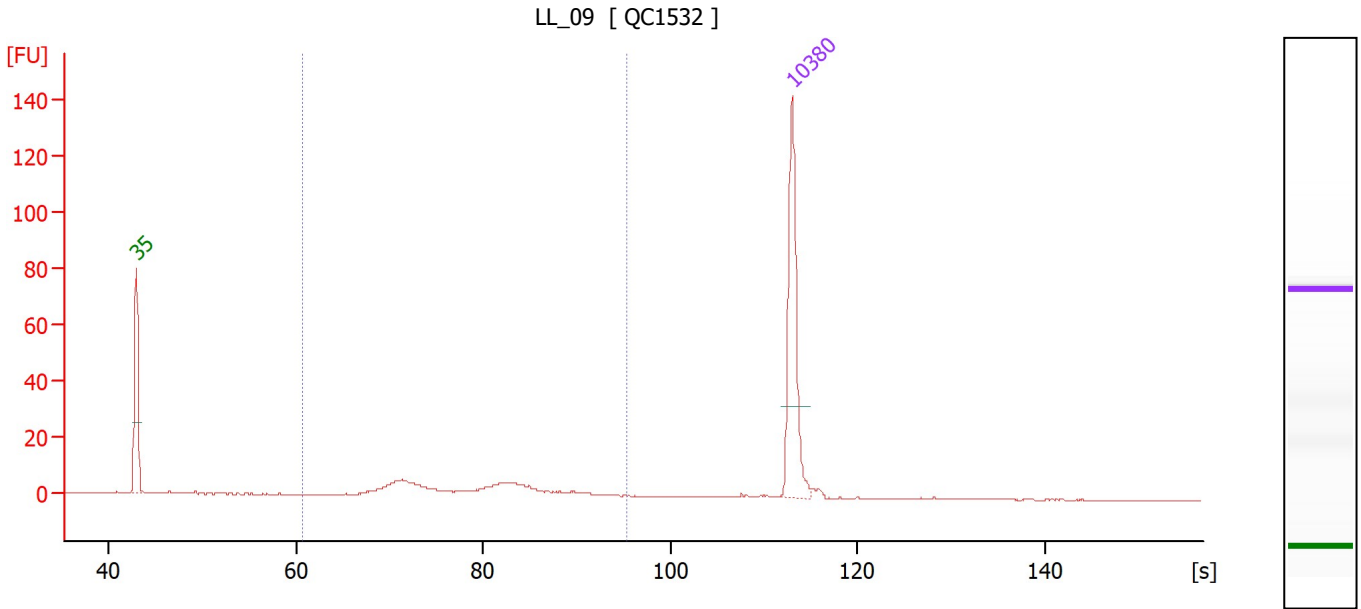
Region table for sample 6 : LL_08

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	87.10	244.1	86	343	19.7	337.18	1,552.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : LL_09

Number of peaks found: 0 Corr. Area 1: 89.4
 Noise: 0.2

Peak table for sample 7 : LL_09

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

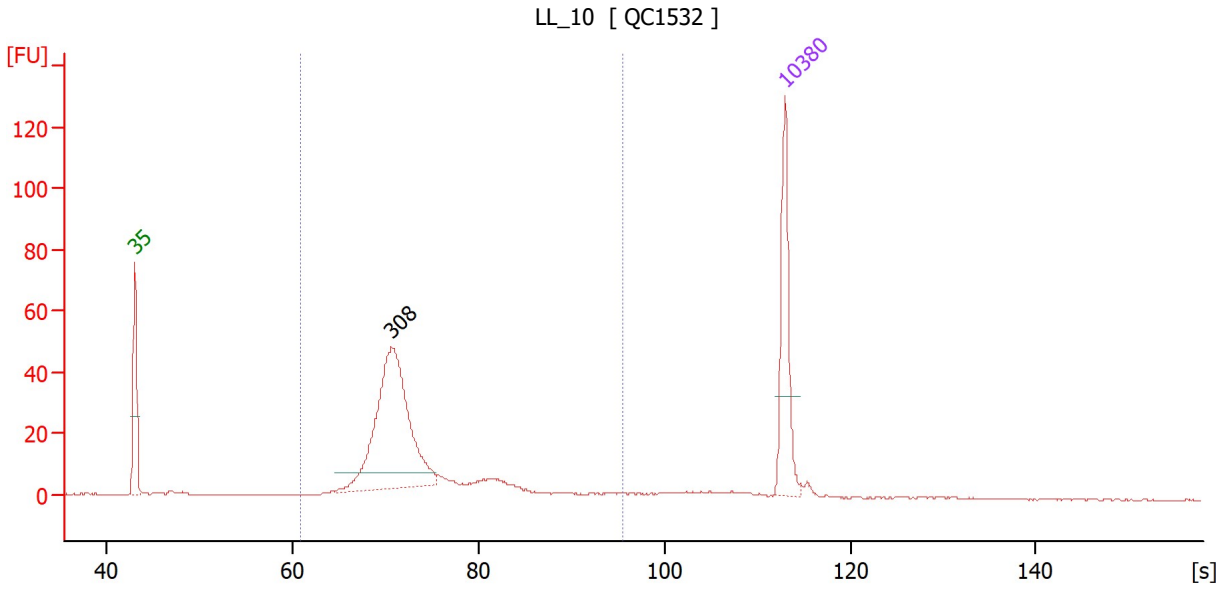
Region table for sample 7 : LL_09

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	95.45	89.4	80	436	30.3	78.39	305.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : LL_10

Number of peaks found: 1 Corr. Area 1: 365.8
 Noise: 0.2

Peak table for sample 8 : LL_10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	308	284.56	1,399.9	
3	10,380	75.00	10.9	Upper Marker

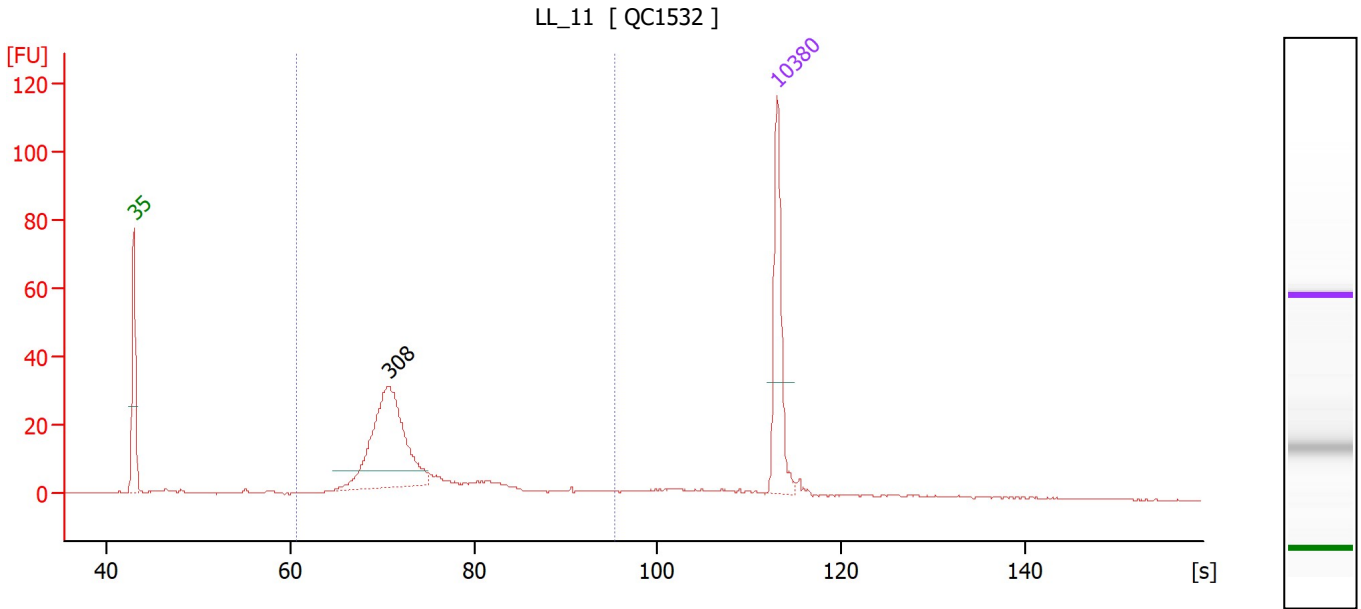
Region table for sample 8 : LL_10

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	95.45	365.8	91	346	27.4	387.74	1,800.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : LL_11

Number of peaks found: 1 Corr. Area 1: 265.6
 Noise: 0.2

Peak table for sample 9 : LL_11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	308	210.01	1,032.8	
3	10,380	75.00	10.9	Upper Marker

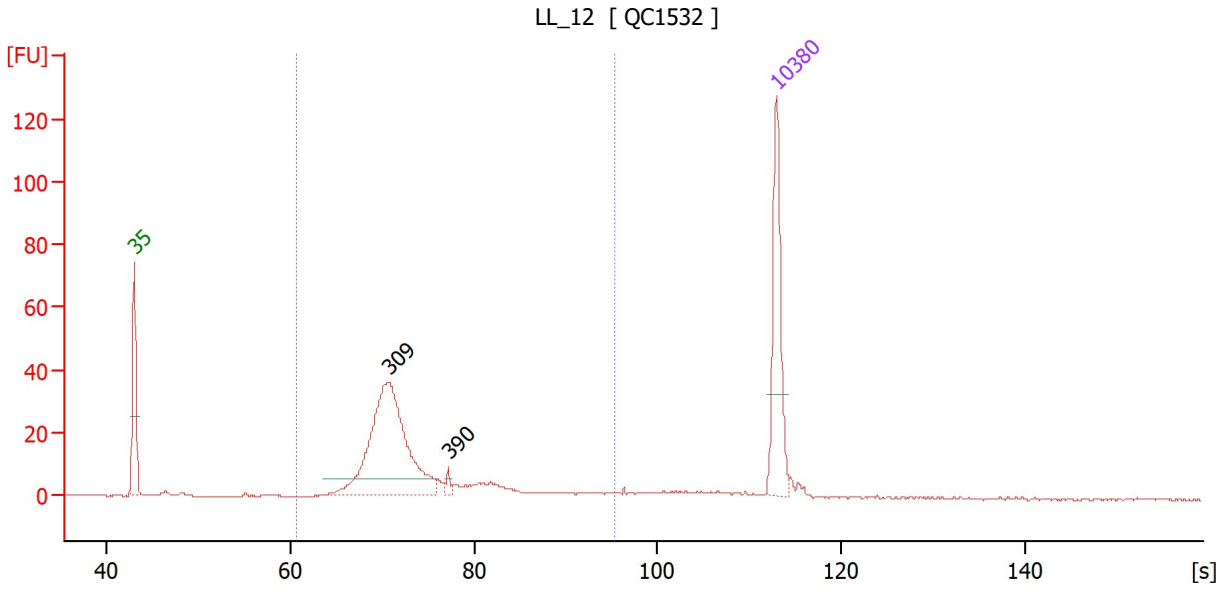
Region table for sample 9 : LL_11

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	95.45	265.6	82	361	32.8	317.67	1,452.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : LL_12

Number of peaks found: 2 Corr. Area 1: 294.6
 Noise: 0.1

Peak table for sample 10 : LL_12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	309	242.63	1,191.0	
3	390	4.53	17.6	
4	10,380	75.00	10.9	Upper Marker

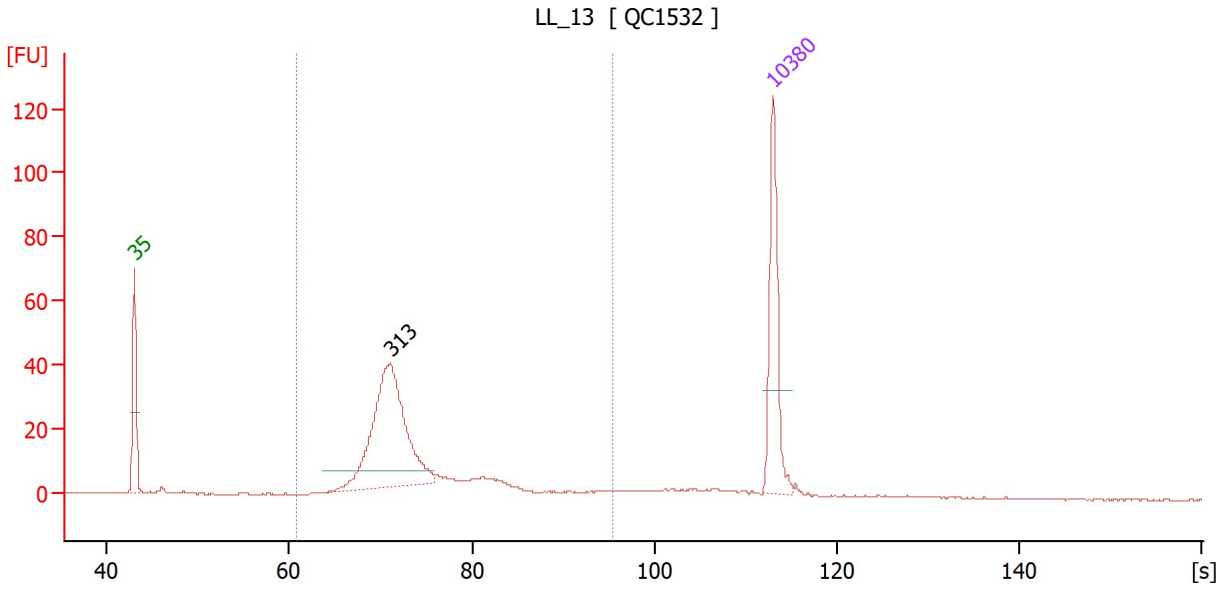
Region table for sample 10 : LL_12

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	95.45	294.6	86	355	31.3	306.21	1,409.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : LL 13

Number of peaks found: 1 Corr. Area 1: 326.0
 Noise: 0.2

Peak table for sample 11 : LL 13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	313	232.93	1,129.1	
3	10,380	75.00	10.9	Upper Marker

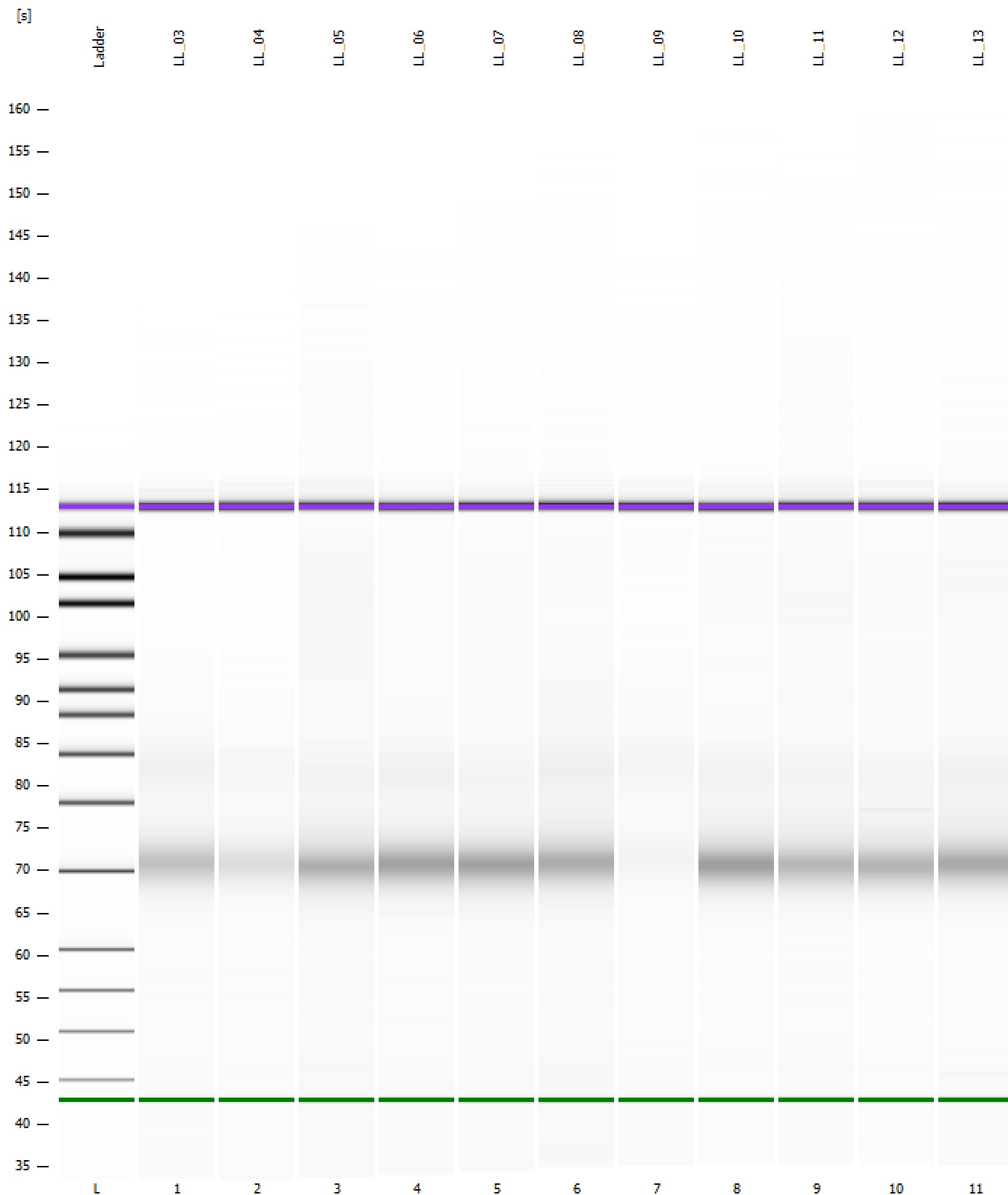
Region table for sample 11 : LL 13

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.75	95.45	326.0	88	358	30.1	330.53	1,504.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
Modified: 7/10/2023 3:53:34 PM

Gel Image

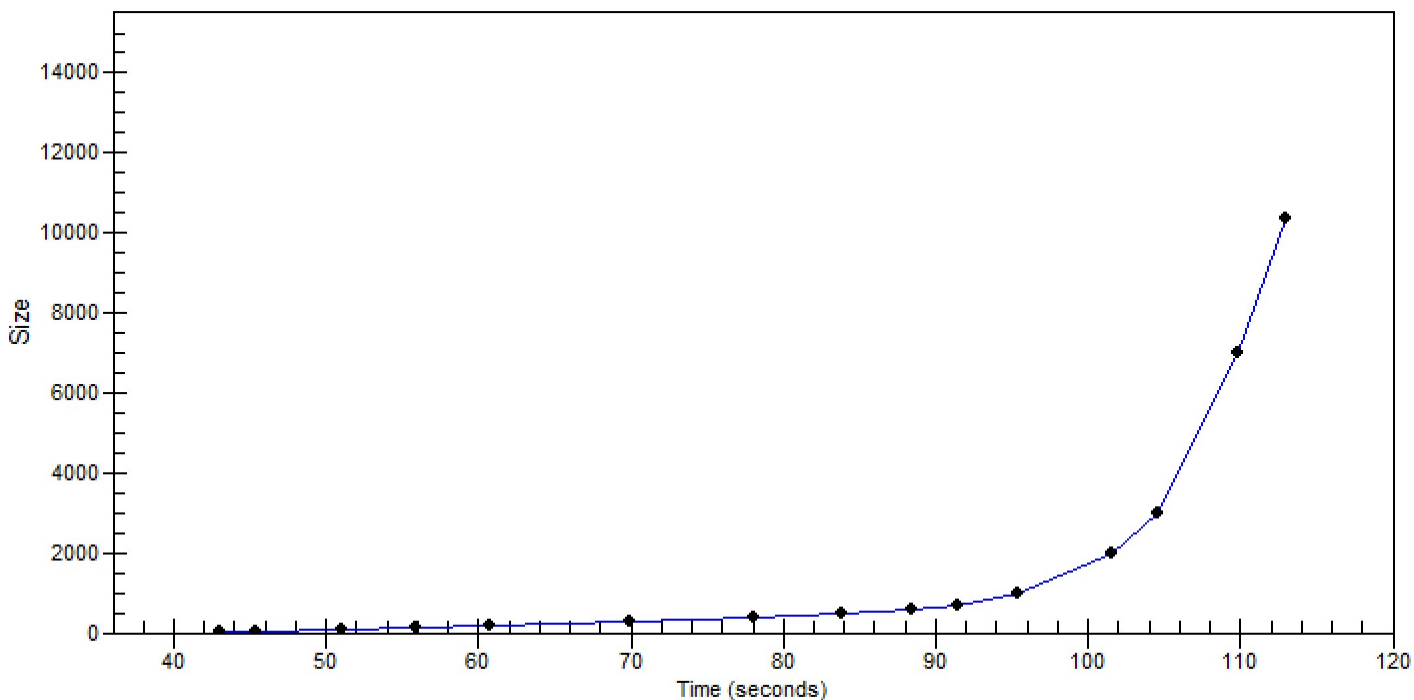


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
Modified: 7/10/2023 3:53:34 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_2.xad

Created: 7/10/2023 11:57:48 AM
 Modified: 7/10/2023 3:53:34 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		7/10/2023 12:38:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-07-10\Bioanalyzer1_High Sensitivity DNA Assay_2023-07-10_006.xad)		Instrument	Run		7/10/2023 11:57:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/10/2023 11:57:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/10/2023 11:57:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/10/2023 11:57:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/10/2023 11:57:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/10/2023 11:57:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/10/2023 11:57:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB