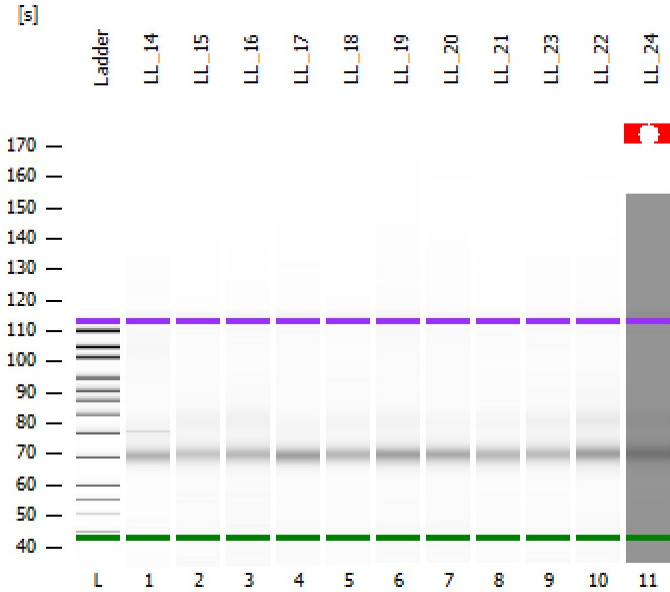


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
Modified: 7/10/2023 3:50:54 PM

Electrophoresis File Run Summary



Instrument Information:

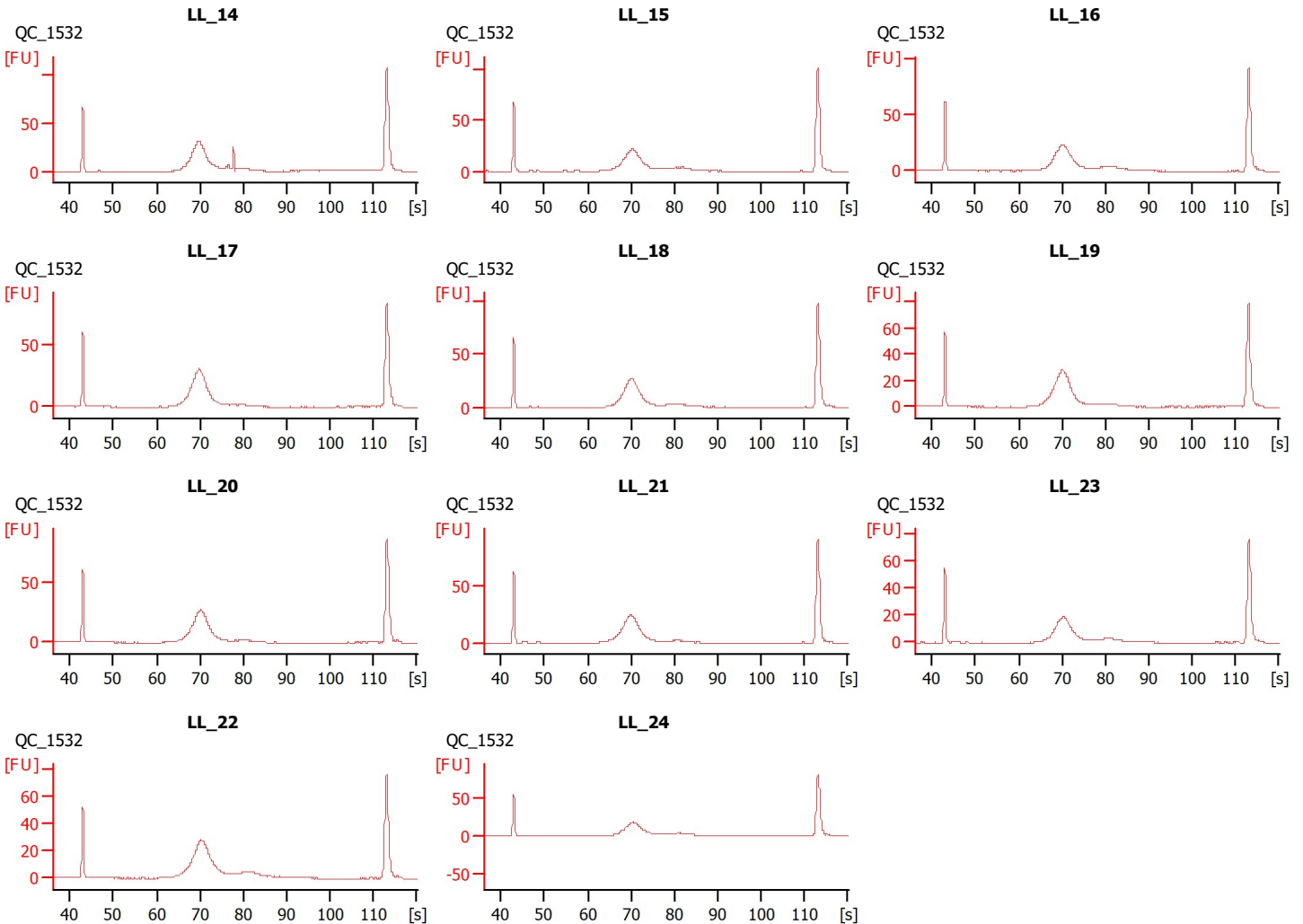
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LL_14	QC_1532	<input type="checkbox"/>	✓			
LL_15	QC_1532	<input type="checkbox"/>	✓			
LL_16	QC_1532	<input type="checkbox"/>	✓			
LL_17	QC_1532	<input type="checkbox"/>	✓			
LL_18	QC_1532	<input type="checkbox"/>	✓			
LL_19	QC_1532	<input type="checkbox"/>	✓			
LL_20	QC_1532	<input type="checkbox"/>	✓			
LL_21	QC_1532	<input type="checkbox"/>	✓			
LL_23	QC_1532	<input type="checkbox"/>	✓			
LL_22	QC_1532	<input type="checkbox"/>	✓			
LL_24	QC_1532	<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_3.xad

Created: 7/10/2023 10:54:04 AM
Modified: 7/10/2023 3:50:54 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

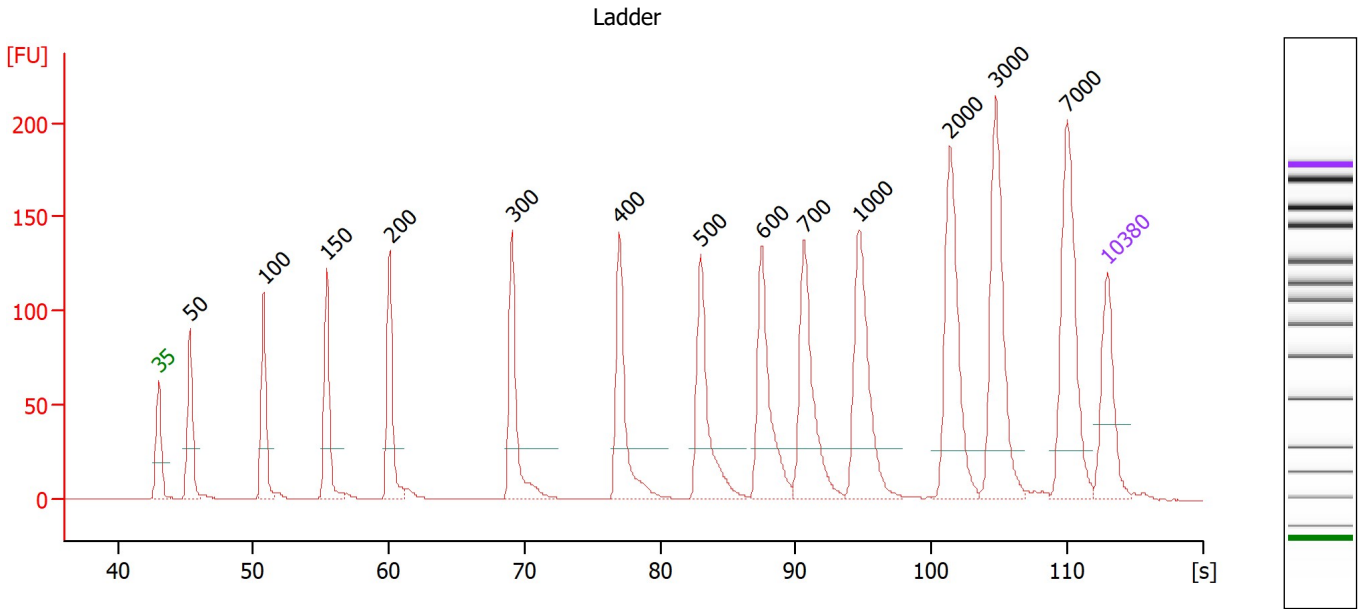
Ladder

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_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

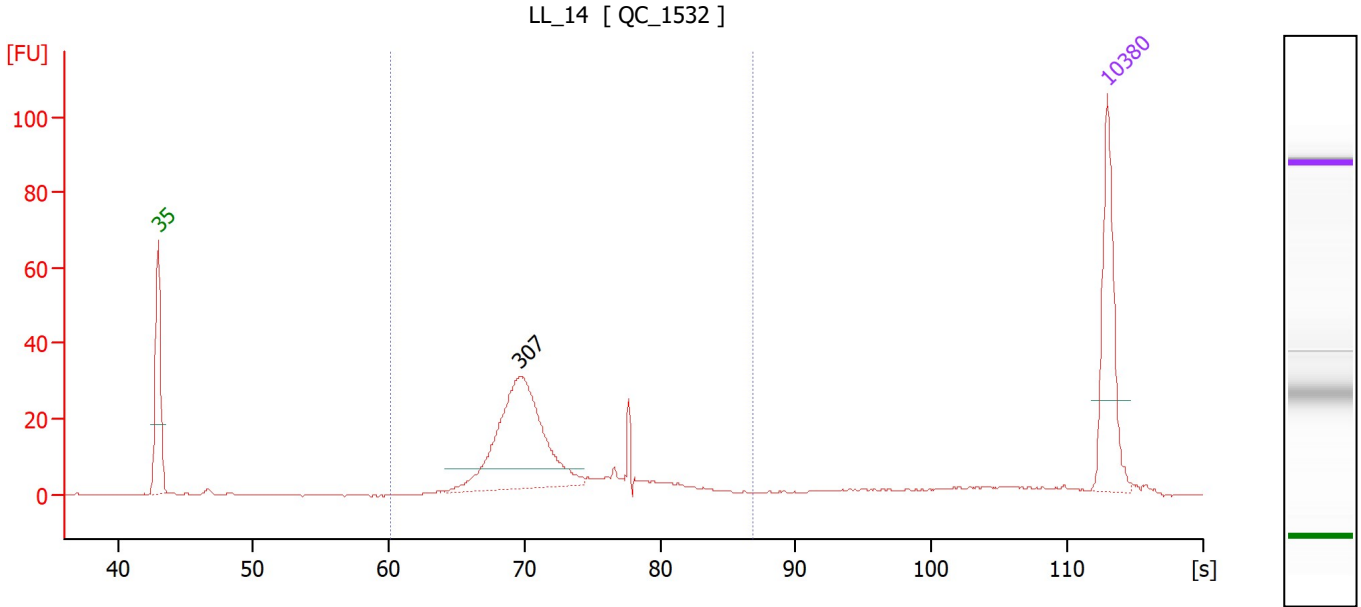
Peak table for Ladder

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:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : LL_14

Number of peaks found: 1 Corr. Area 1: 241.0
 Noise: 0.1

Peak table for sample 1 : LL_14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	307	219.85	1,084.6	
3	10,380	75.00	10.9	Upper Marker

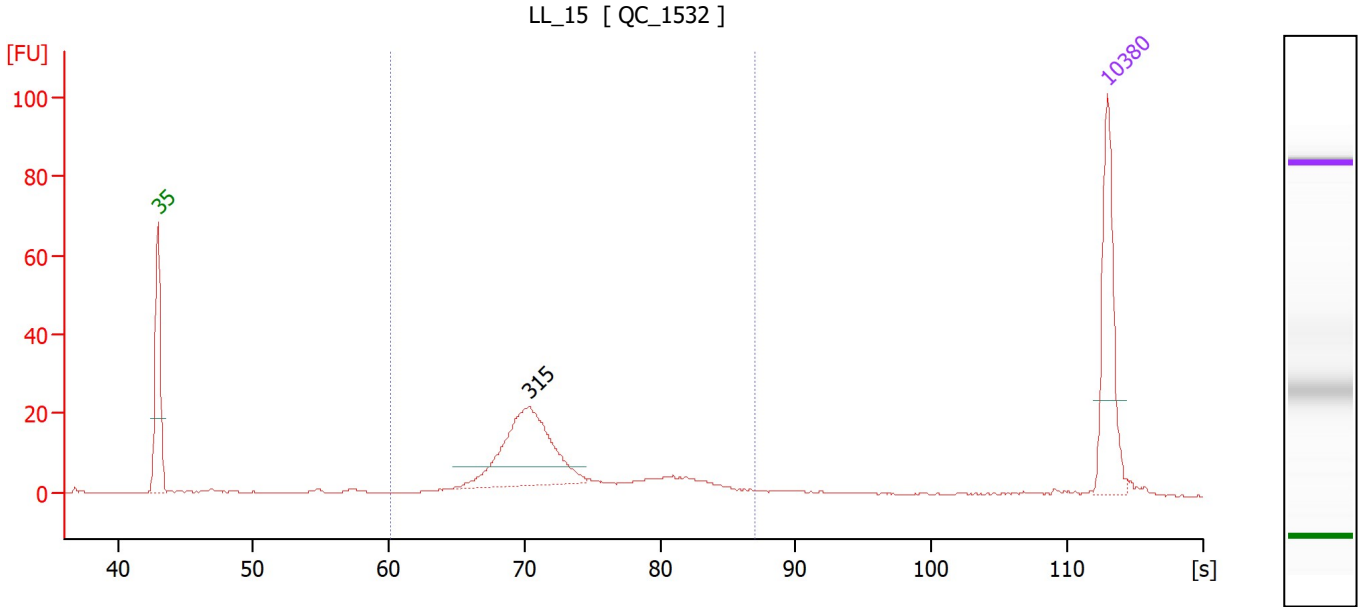
Region table for sample 1 : LL_14

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	86.88	241.0	79	339	18.3	318.43	1,478.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : LL_15

Number of peaks found: 1 Corr. Area 1: 194.7
 Noise: 0.2

Peak table for sample 2 : LL_15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	315	160.91	773.6	
3	10,380	75.00	10.9	Upper Marker

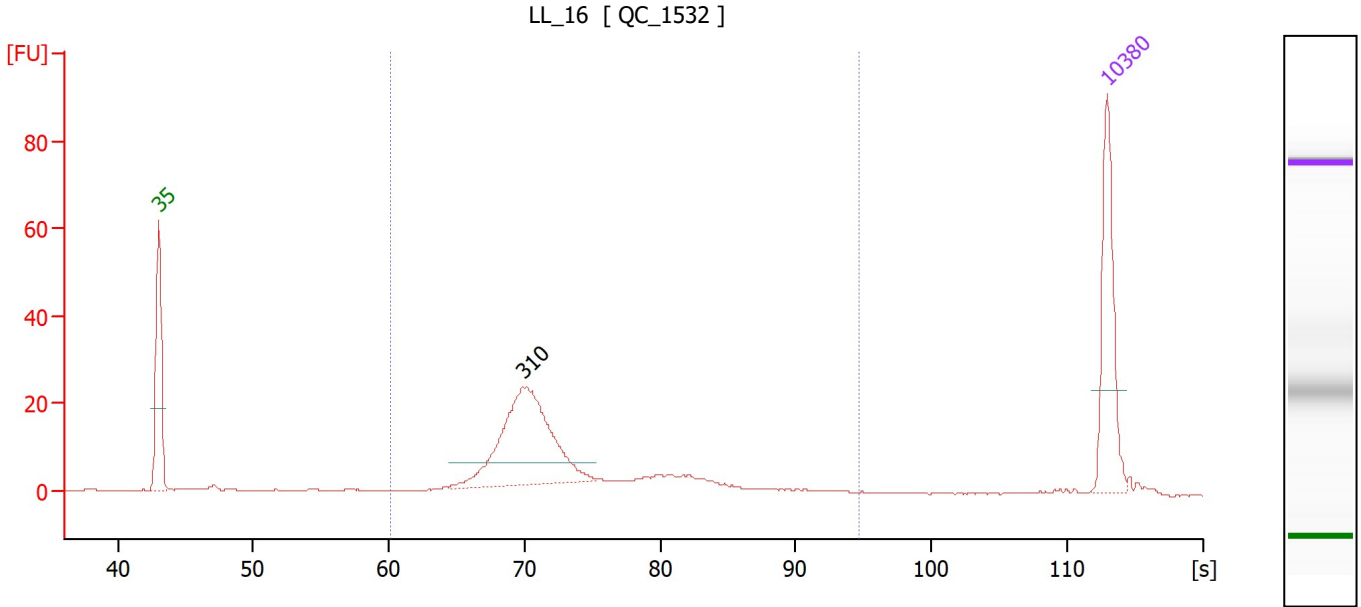
Region table for sample 2 : LL_15

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	86.96	194.7	83	351	20.9	263.72	1,197.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : LL_16

Number of peaks found: 1 Corr. Area 1: 208.7
 Noise: 0.1

Peak table for sample 3 : LL_16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	310	205.09	1,002.8	
3	10,380	75.00	10.9	Upper Marker

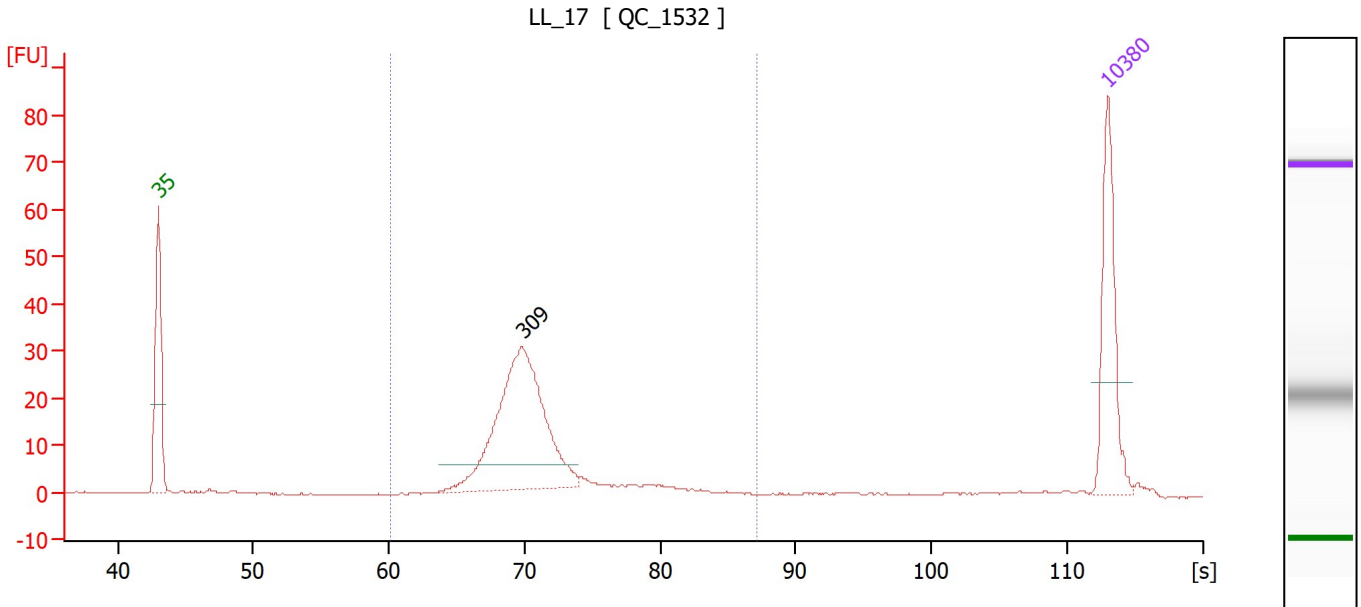
Region table for sample 3 : LL_16

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	94.71	208.7	90	363	28.7	310.27	1,397.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : LL_17

Number of peaks found: 1 Corr. Area 1: 209.1
 Noise: 0.1

Peak table for sample 4 : LL_17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	309	259.73	1,272.5	
3	10,380	75.00	10.9	Upper Marker

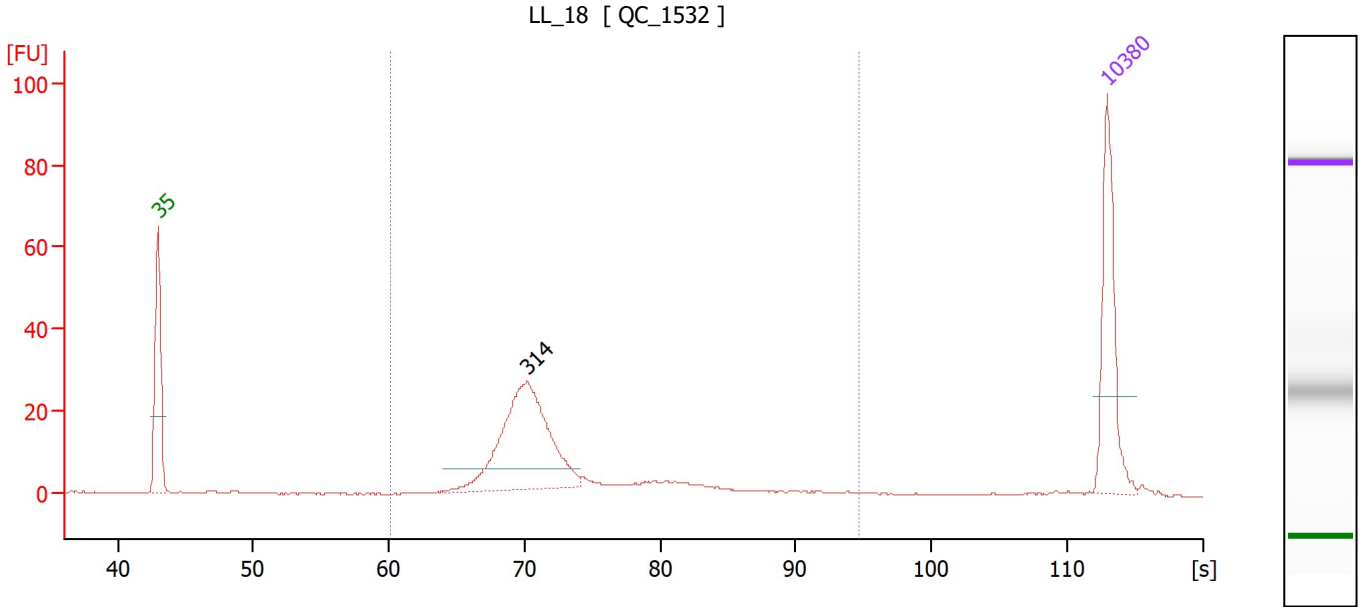
Region table for sample 4 : LL_17

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	87.08	209.1	87	325	16.2	323.29	1,545.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : LL_18

Number of peaks found: 1 Corr. Area 1: 198.1
 Noise: 0.2

Peak table for sample 5 : LL_18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	314	196.23	947.3	
3	10,380	75.00	10.9	Upper Marker

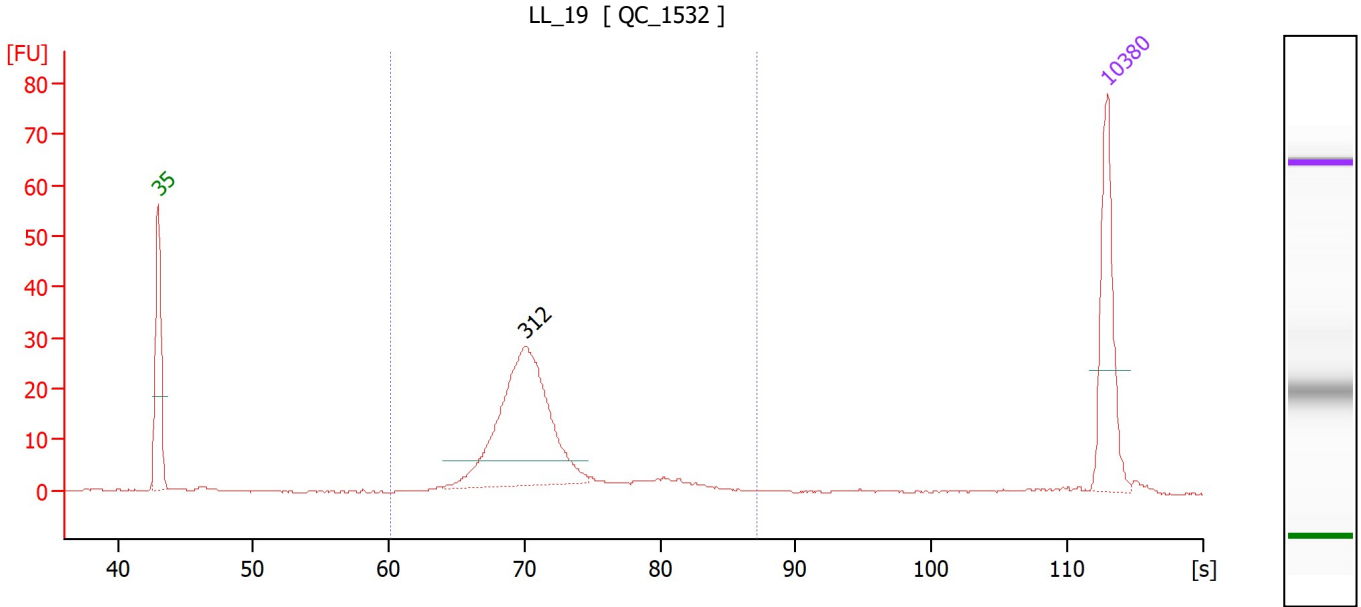
Region table for sample 5 : LL_18

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	94.71	198.1	95	353	27.8	269.83	1,232.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : LL_19

Number of peaks found: 1 Corr. Area 1: 201.2
 Noise: 0.1

Peak table for sample 6 : LL_19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	312	268.67	1,303.1	
3	10,380	75.00	10.9	Upper Marker

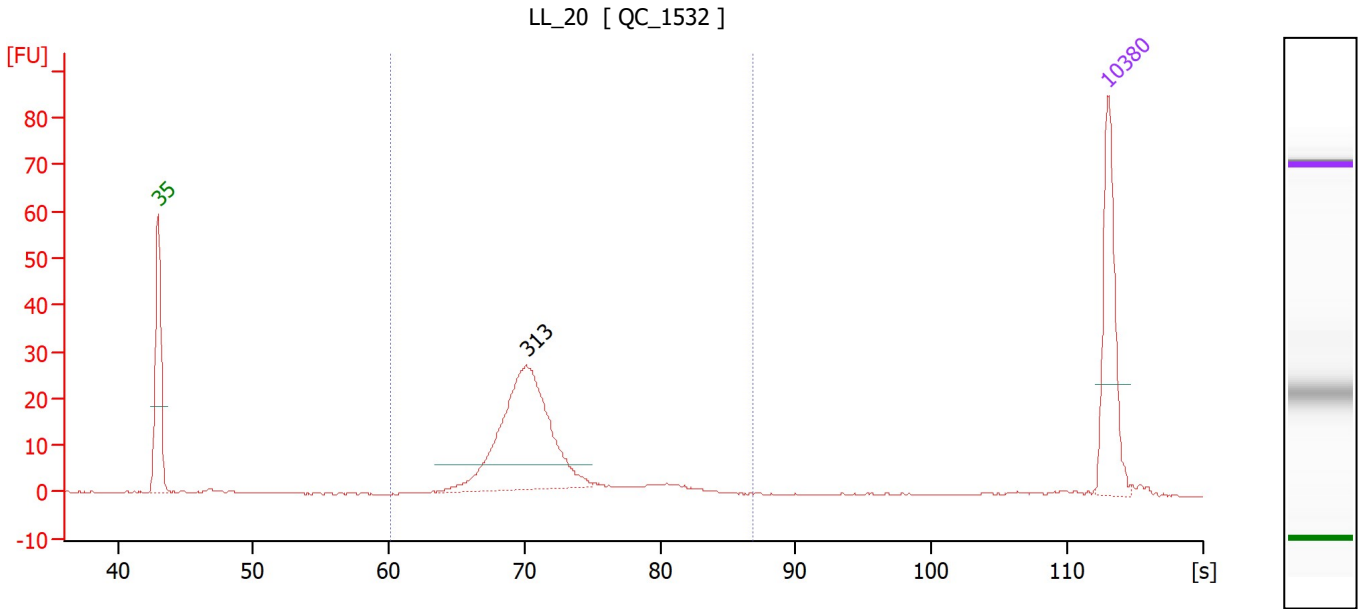
Region table for sample 6 : LL_19

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	87.15	201.2	91	330	16.8	336.55	1,591.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : LL_20

Number of peaks found: 1 Corr. Area 1: 186.8
 Noise: 0.1

Peak table for sample 7 : LL_20

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	313	238.84	1,156.0	
3	10,380	75.00	10.9	Upper Marker

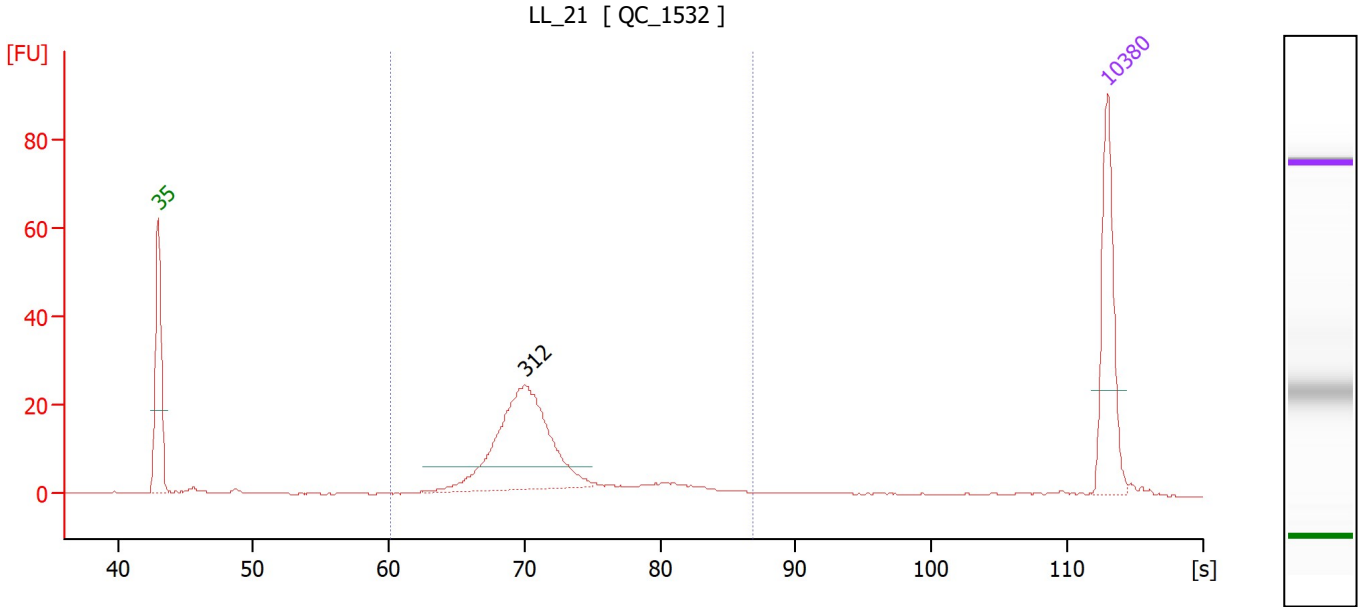
Region table for sample 7 : LL_20

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	86.83	186.8	89	329	16.0	298.85	1,413.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : LL_21

Number of peaks found: 1 Corr. Area 1: 184.2
 Noise: 0.2

Peak table for sample 8 : LL_21

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	312	216.80	1,053.2	
3	10,380	75.00	10.9	Upper Marker

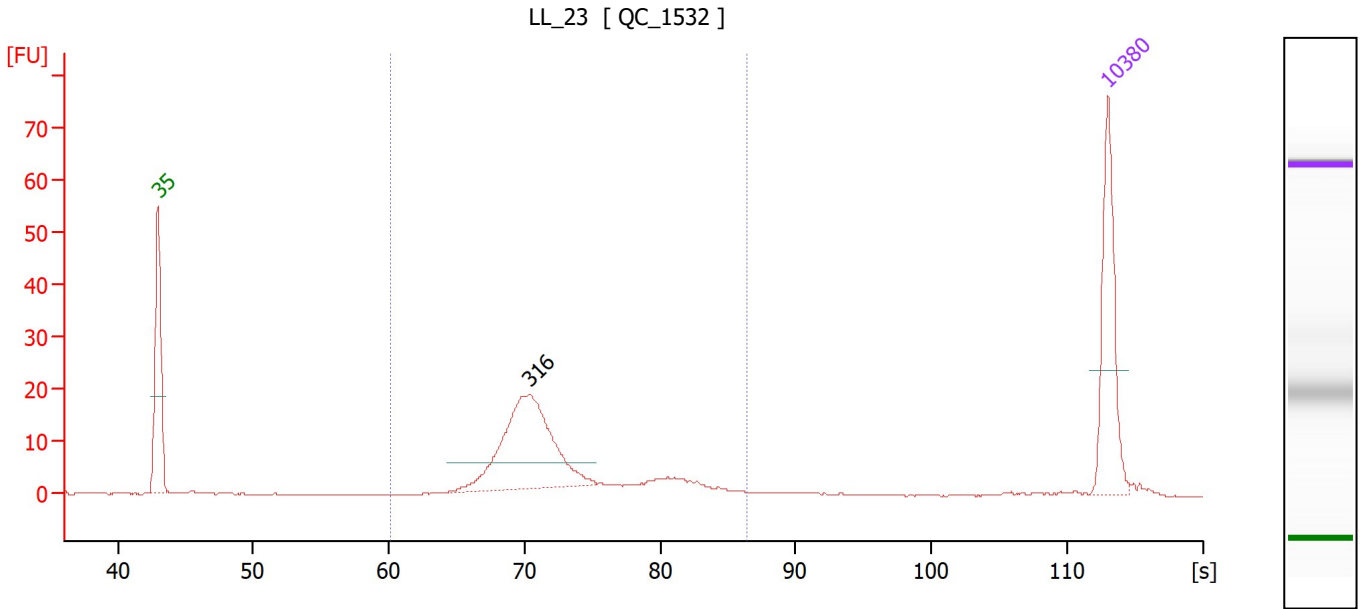
Region table for sample 8 : LL_21

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	86.87	184.2	91	331	17.9	280.29	1,326.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : LL_23

Number of peaks found: 1 Corr. Area 1: 153.3
 Noise: 0.1

Peak table for sample 9 : LL_23

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	316	184.55	884.5	
3	10,380	75.00	10.9	Upper Marker

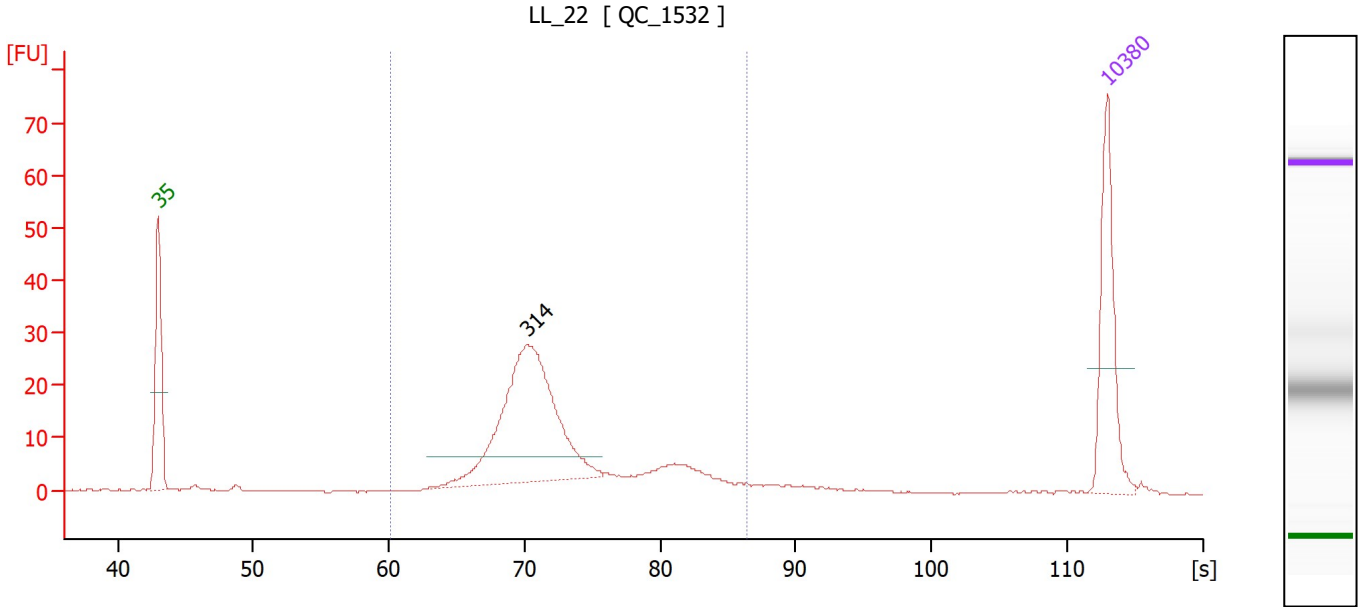
Region table for sample 9 : LL_23

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	86.36	153.3	82	346	19.4	270.77	1,236.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : LL_22

Number of peaks found: 1 Corr. Area 1: 235.7
 Noise: 0.1

Peak table for sample 10 : LL_22

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	314	275.55	1,330.7	
3	10,380	75.00	10.9	Upper Marker

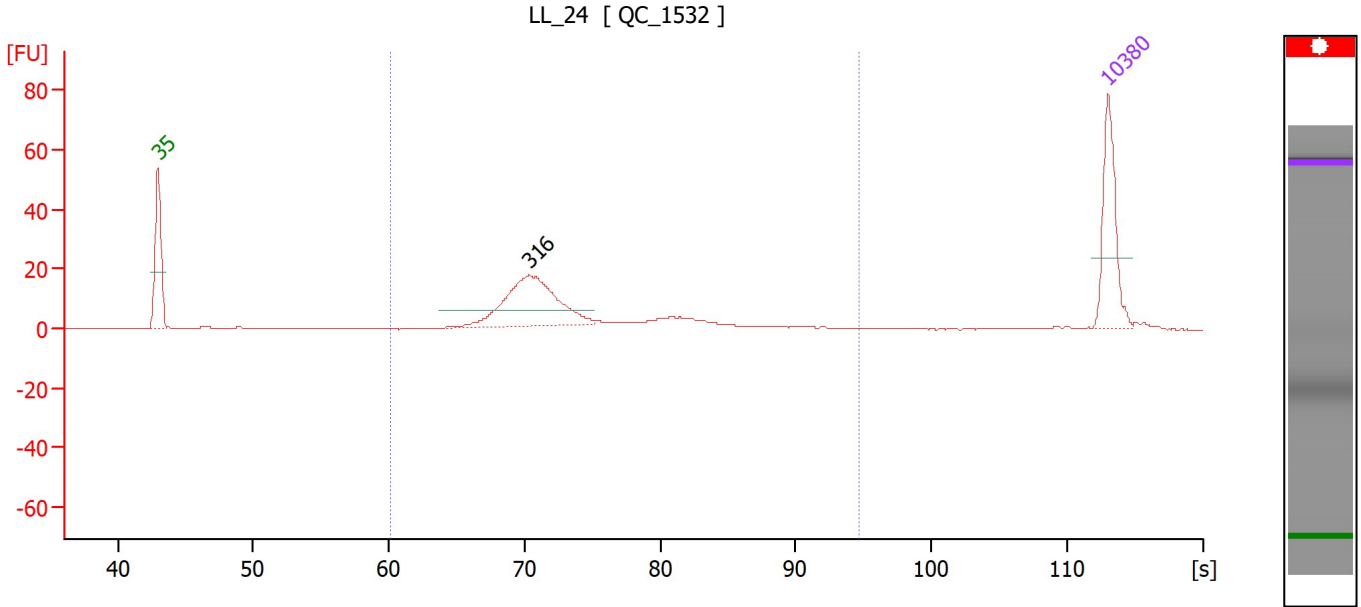
Region table for sample 10 : LL_22

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	86.48	235.7	91	347	19.9	390.88	1,782.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 11 : LL_24

End Analysis Time Range [s] : 125.2

Overall Results for sample 11 : LL_24

Number of peaks found: 1 Corr. Area 1: 143.1
 Noise: 0.1

Peak table for sample 11 : LL_24

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	316	164.71	790.2	
3	10,380	75.00	10.9	Upper Marker

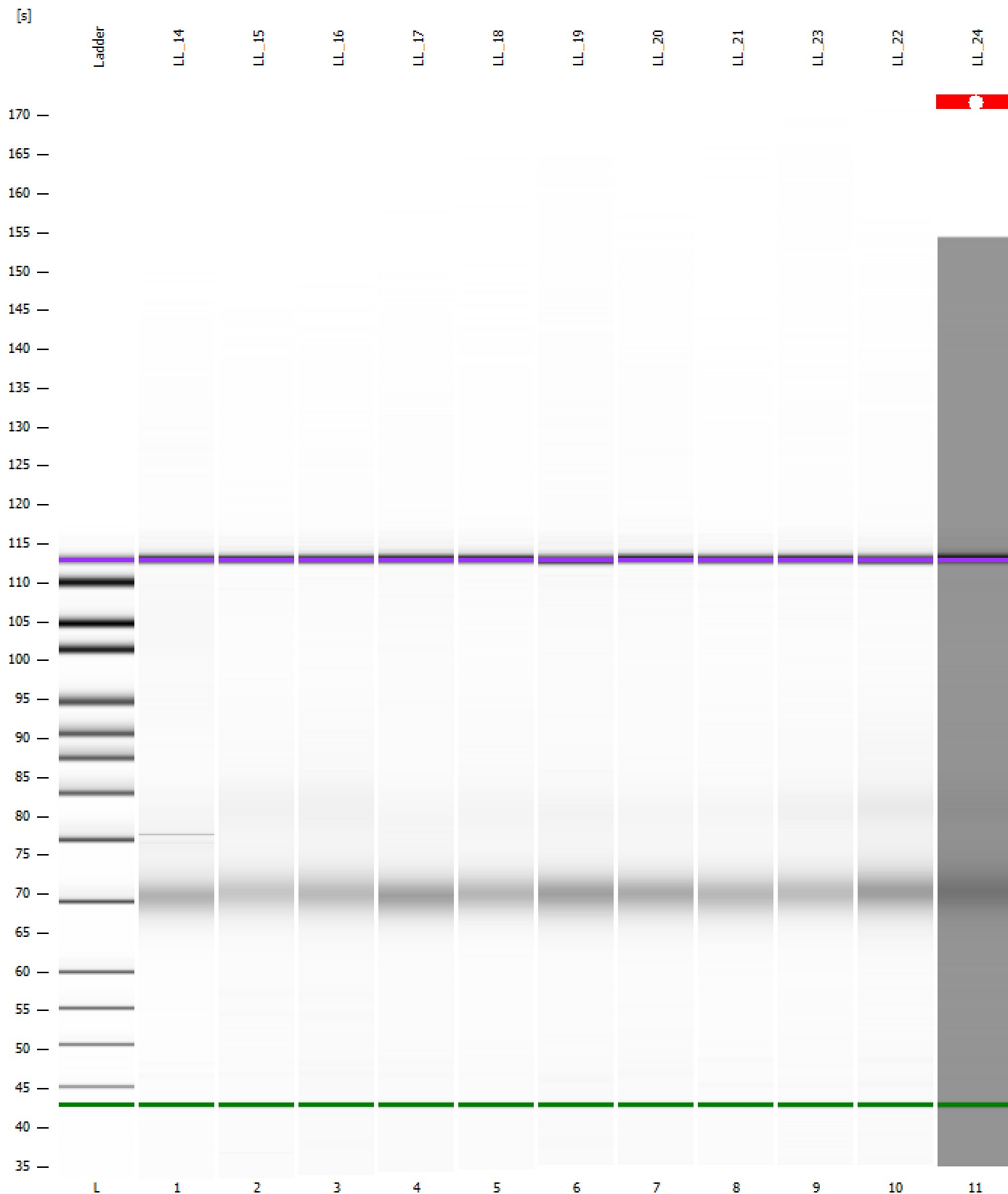
Region table for sample 11 : LL_24

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
60.07	94.71	143.1	96	360	23.5	234.69	1,044.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
Modified: 7/10/2023 3:50:54 PM

Gel Image

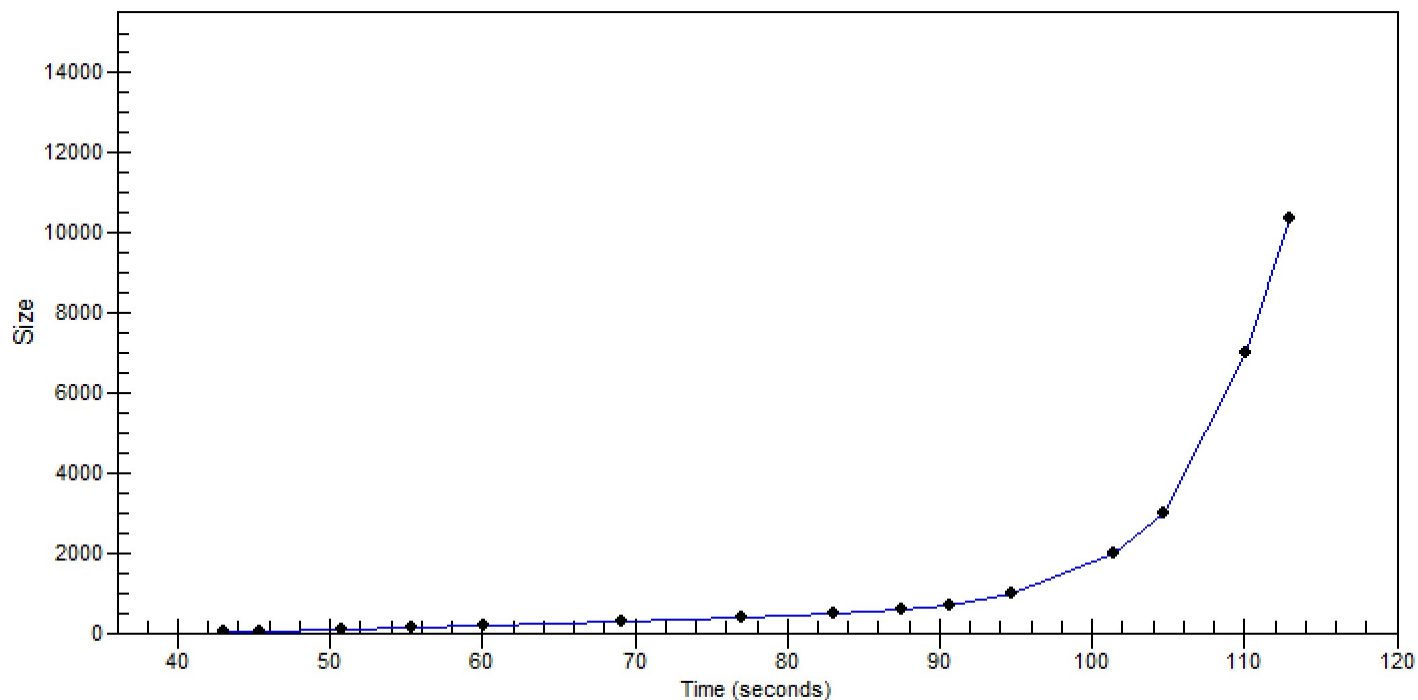


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
Modified: 7/10/2023 3:50:54 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-07-10\QC1532_3.xad

Created: 7/10/2023 10:54:04 AM
 Modified: 7/10/2023 3:50:54 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		7/10/2023 11:34:03 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Instrument error occurred on port 1, Door opened during run (C00h)	514	Instrument	Run	Sample 11	7/10/2023 11:33:58 AM	(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_004.xad)		Instrument	Run		7/10/2023 10:54:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/10/2023 10:54:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/10/2023 10:54:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/10/2023 10:54:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/10/2023 10:54:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/10/2023 10:54:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/10/2023 10:54:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB