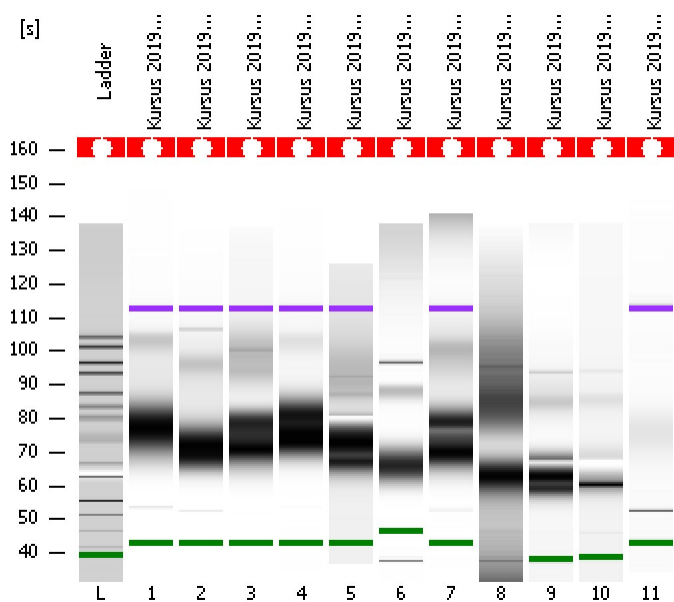


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72901621 Firmware: C.01.069
 Serial#: DE72901621 Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\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

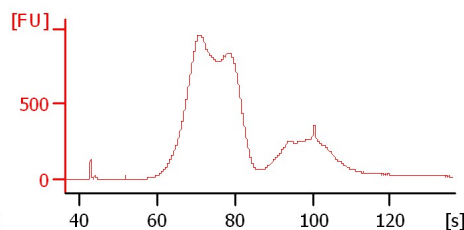
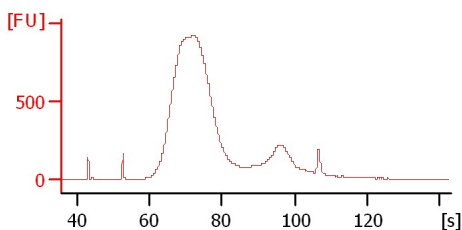
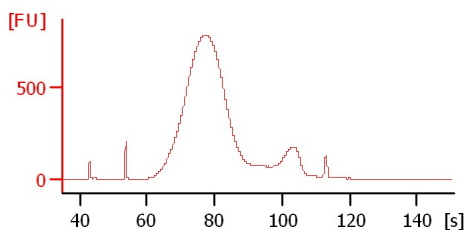
Chip Information:

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

Kursus 2019 library 8.1

Kursus 2019 library 8.2

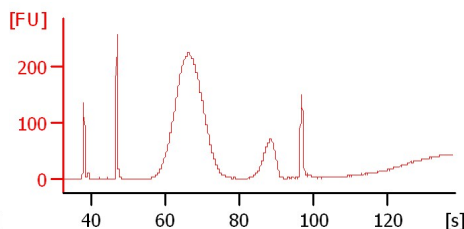
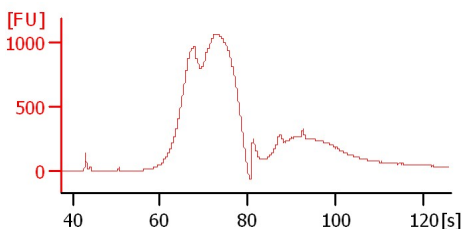
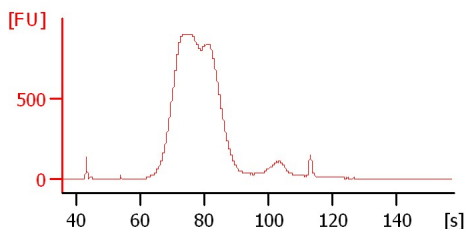
Kursus 2019 library 9.1



Kursus 2019 library 9.2

Kursus 2019 library 11b

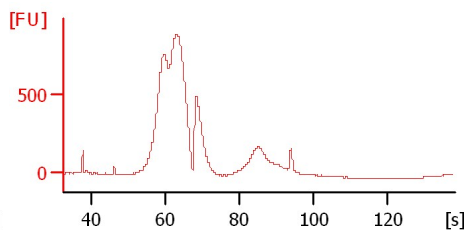
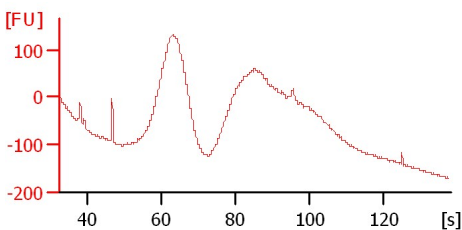
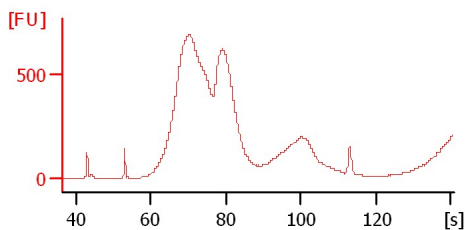
Kursus 2019 library 11k



Kursus 2019 library 19

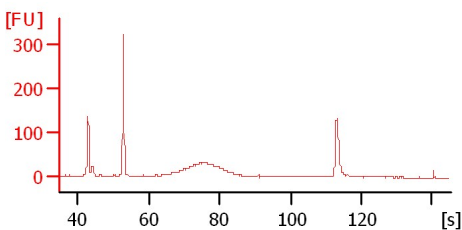
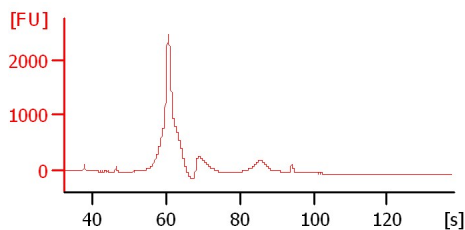
Kursus 2019 library 20

Kursus 2019 library 21



Kursus 2019 library 22

Kursus 2019 library 23



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Kursus 2019 library 8.1		<input type="checkbox"/>		✓		
Kursus 2019 library 8.2		<input type="checkbox"/>		✓		
Kursus 2019 library 9.1		<input type="checkbox"/>		✓		
Kursus 2019 library 9.2		<input type="checkbox"/>		✓		
Kursus 2019 library 11b		<input type="checkbox"/>		✓		
Kursus 2019 library 11k		<input type="checkbox"/>		✓		
Kursus 2019 library 19		<input type="checkbox"/>		✓		
Kursus 2019 library 20		<input type="checkbox"/>		✓		
Kursus 2019 library 21		<input type="checkbox"/>		✓		
Kursus 2019 library 22		<input type="checkbox"/>		✓		
Kursus 2019 library 23		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
Modified: 9/19/2019 10:24:28 AM

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

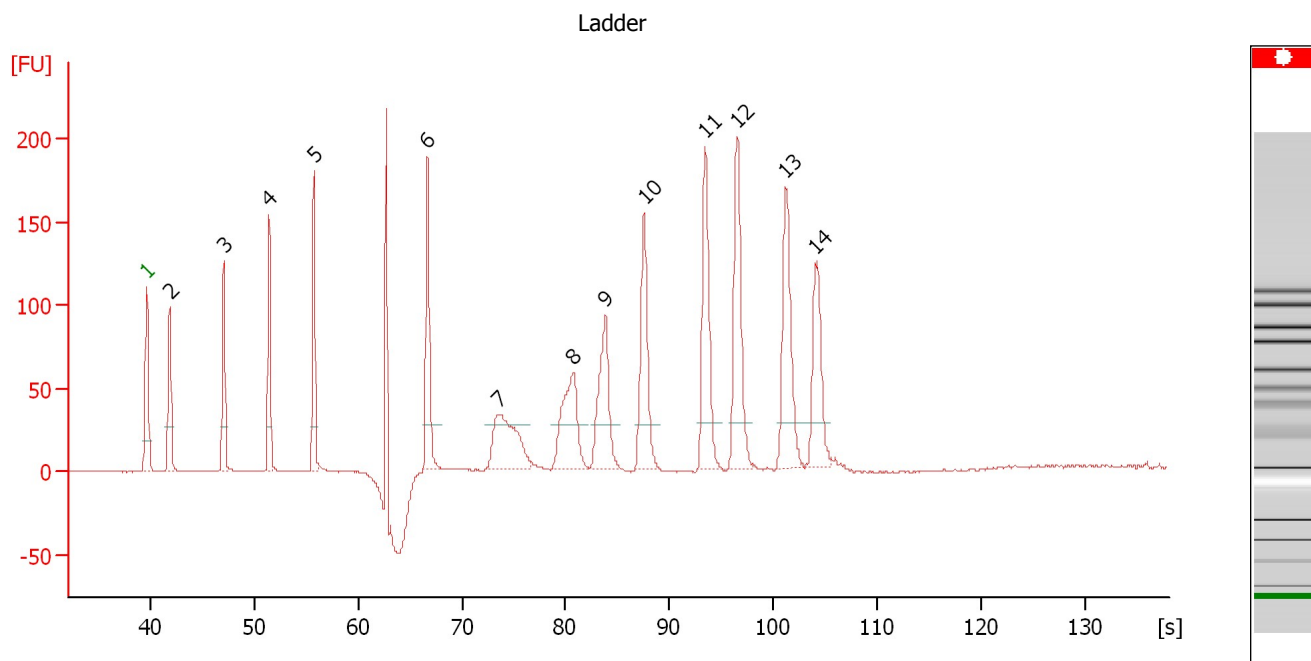
Ladder

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:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

Peak table for Ladder

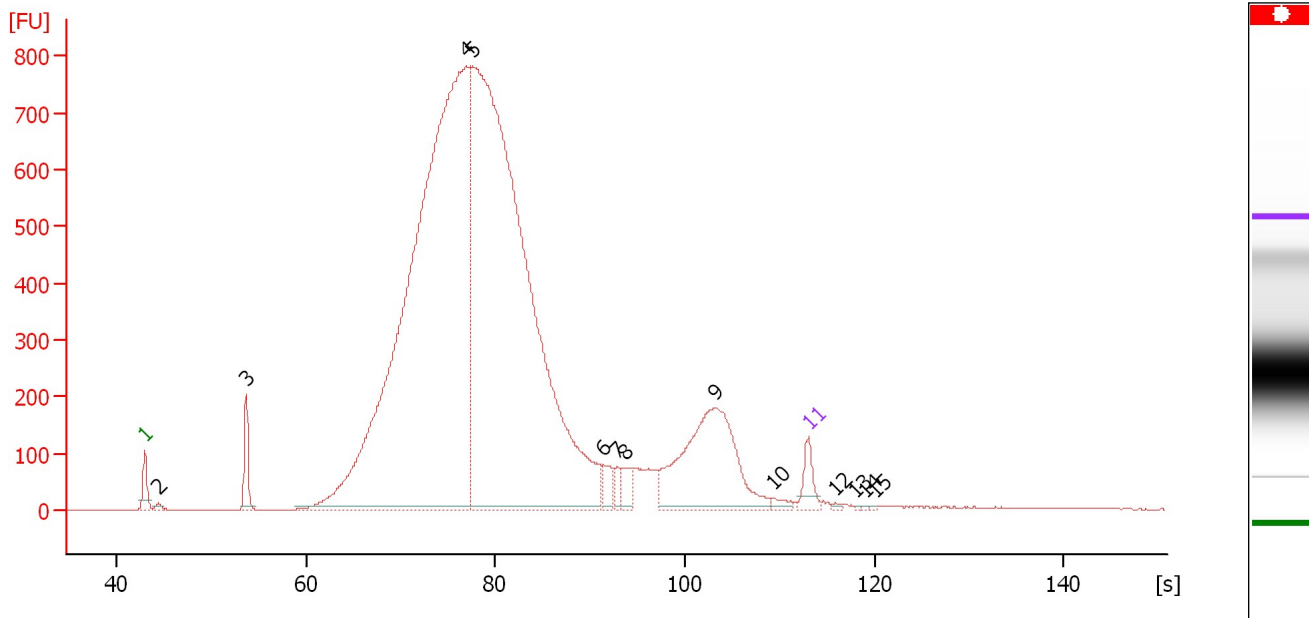
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Ladder Peak
3	0	0.00	0.0	Ladder Peak
4	0	0.00	0.0	Ladder Peak
5	0	0.00	0.0	Ladder Peak
6	0	0.00	0.0	Ladder Peak
7	0	0.00	0.0	Ladder Peak
8	0	0.00	0.0	Ladder Peak
9	0	0.00	0.0	Ladder Peak
10	0	0.00	0.0	Ladder Peak
11	0	0.00	0.0	Ladder Peak
12	0	0.00	0.0	Ladder Peak
13	0	0.00	0.0	Ladder Peak
14	0	0.00	0.0	Ladder Peak

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 8.1



Overall Results for sample 1 : Kursus 2019 library 8.1

Number of peaks found: 13 Noise: 0.4

Peak table for sample 1 : Kursus 2019 library 8.1

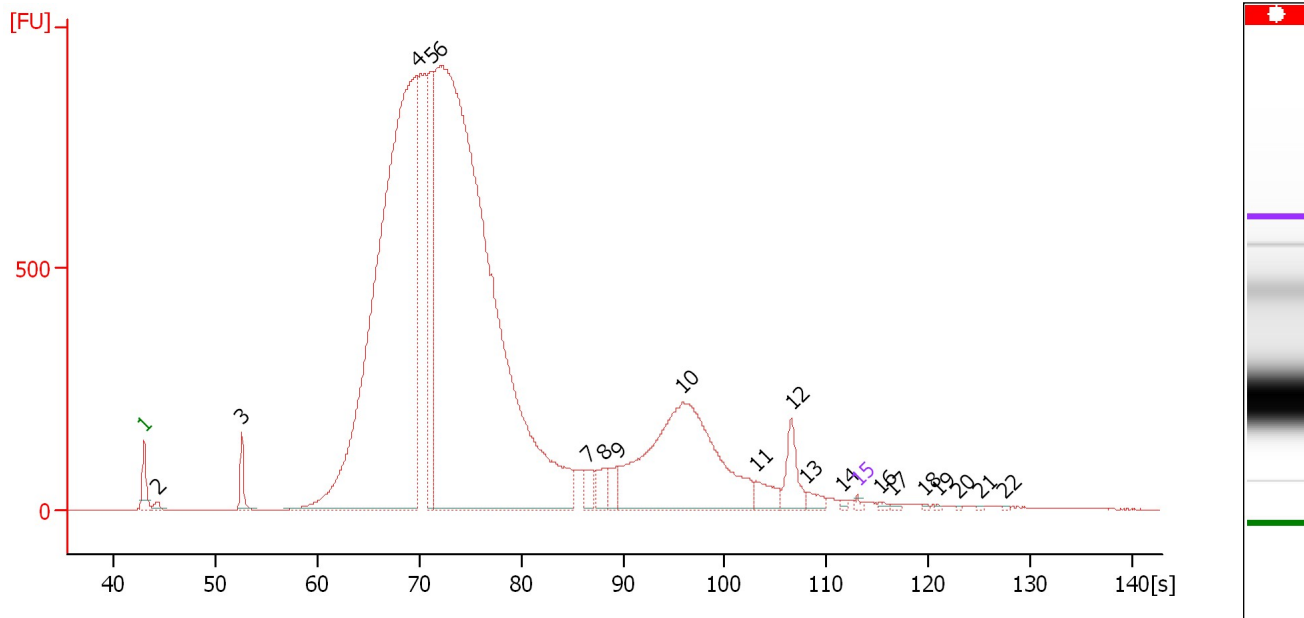
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	Upper Marker
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 8.2



Overall Results for sample 2 : Kursus 2019 library 8.2

Number of peaks found: 20 Noise: 0.6

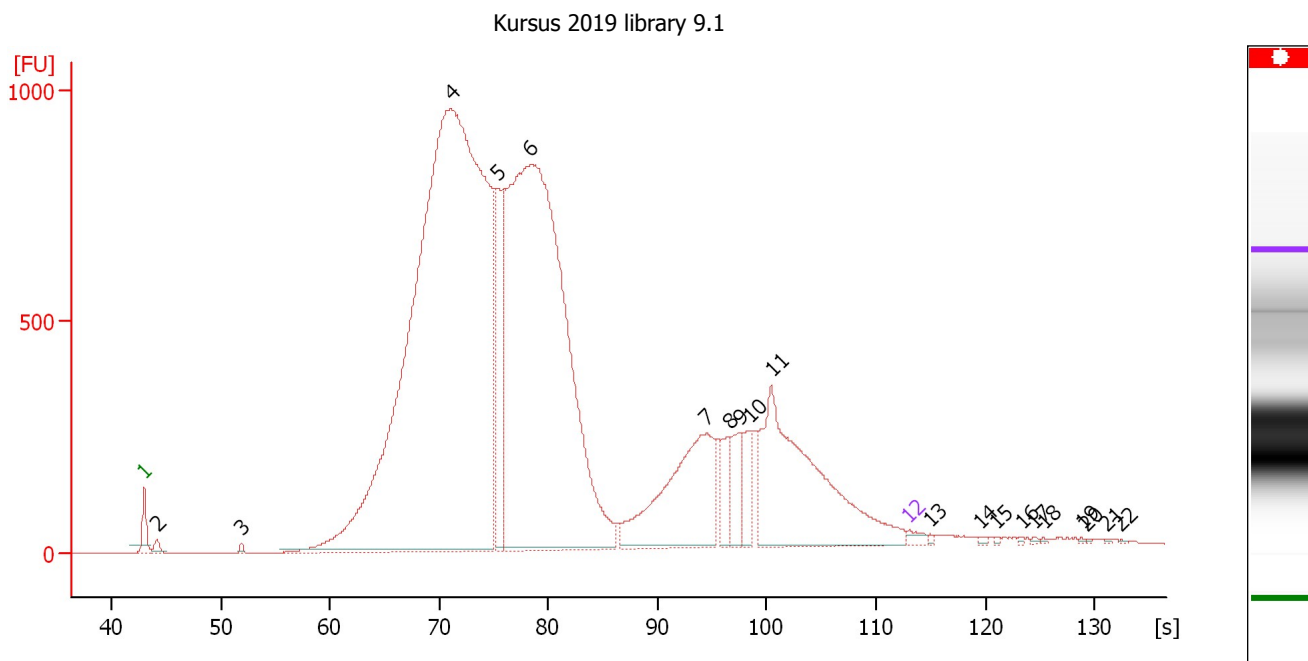
Peak table for sample 2 : Kursus 2019 library 8.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	Upper Marker
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Kursus 2019 library 9.1

Number of peaks found: 20 Noise: 0.4

Peak table for sample 3 : Kursus 2019 library 9.1

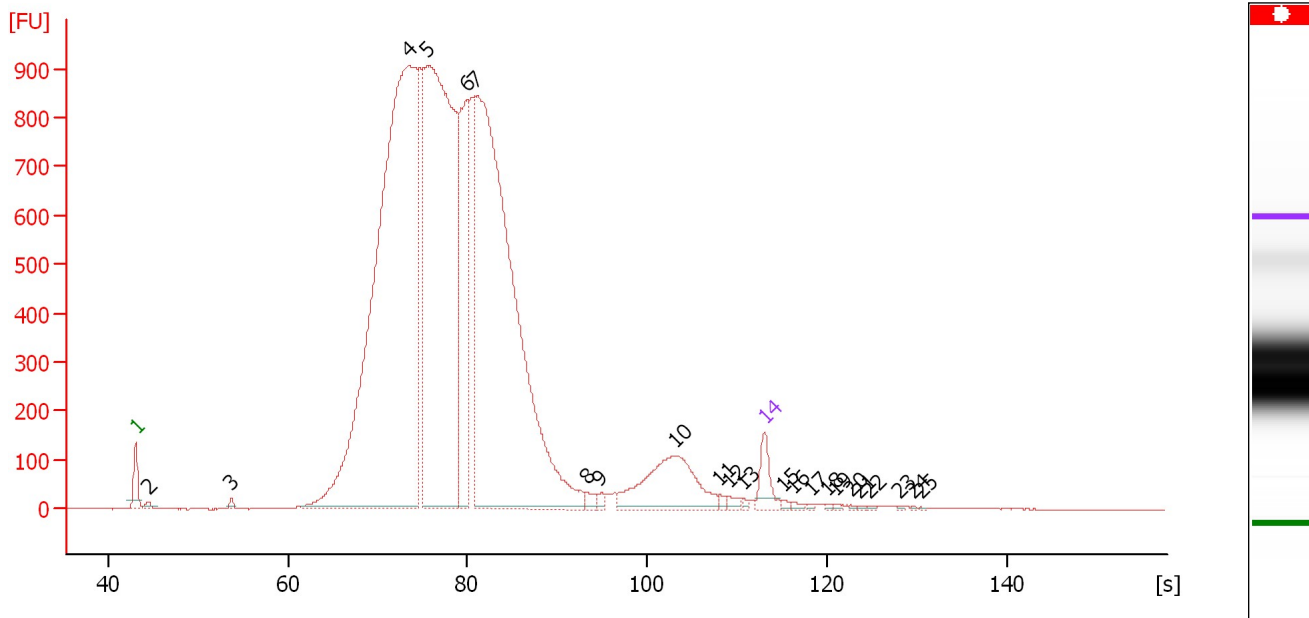
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	Upper Marker
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 9.2



Overall Results for sample 4 : Kursus 2019 library 9.2

Number of peaks found: 23 Noise: 0.5

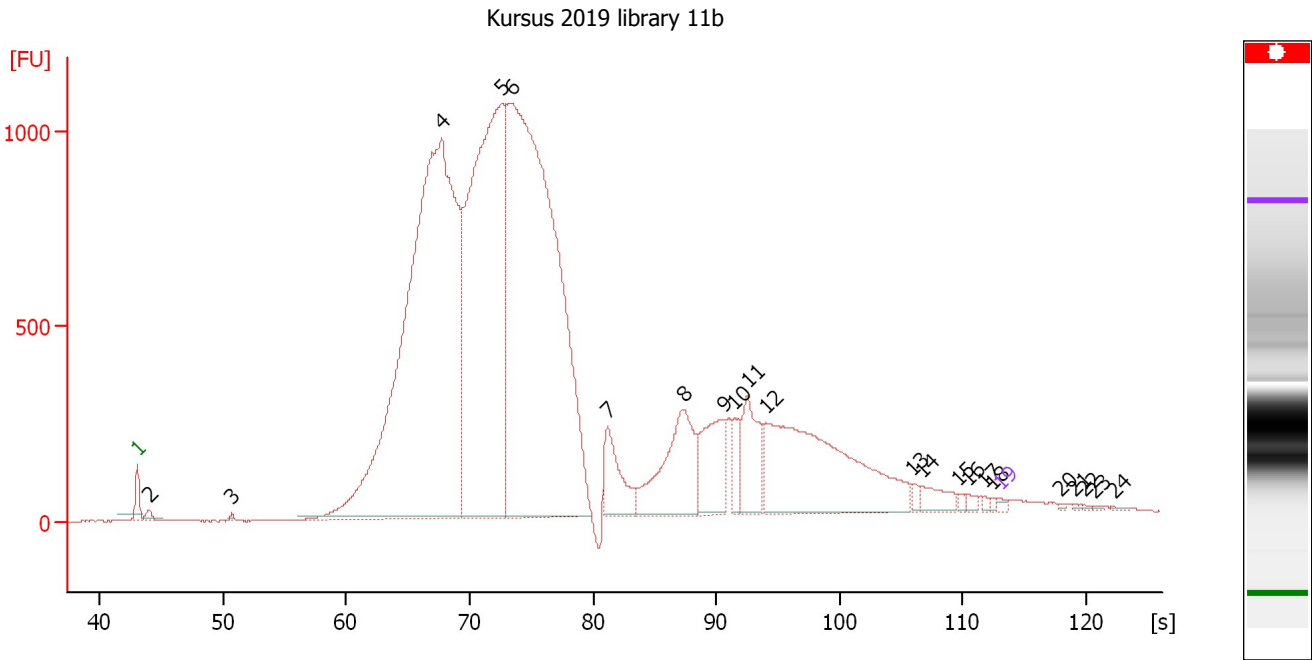
Peak table for sample 4 : Kursus 2019 library 9.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	Upper Marker
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	
23	0	0.00	0.0	
24	0	0.00	0.0	
25	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Kursus 2019 library 11b

Number of peaks found: 22 Noise: 0.3

Peak table for sample 5 : Kursus 2019 library 11b

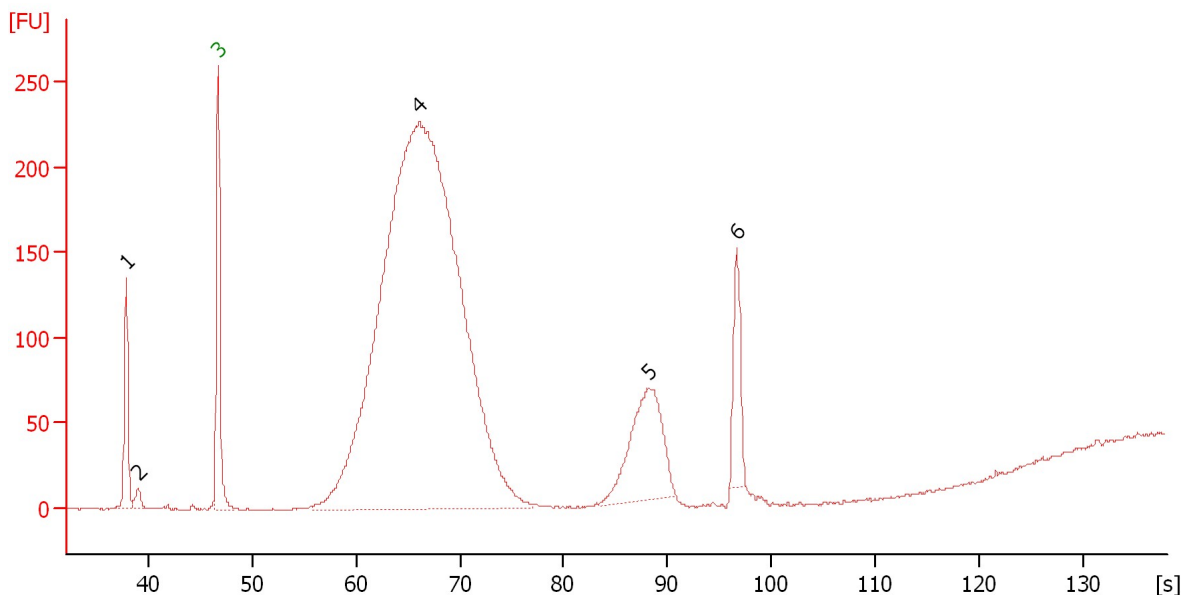
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	Upper Marker
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	
23	0	0.00	0.0	
24	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 11k



Overall Results for sample 6 : Kursus 2019 library 11k

Number of peaks found: 5 Noise: 0.7

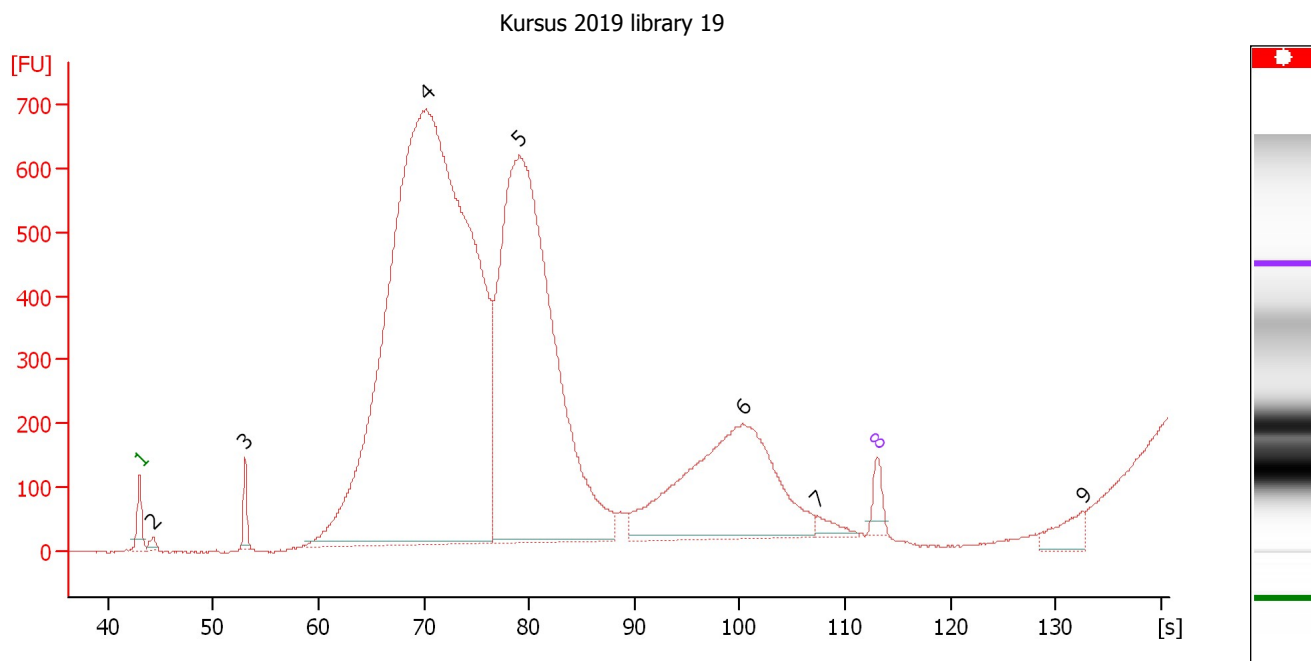
Peak table for sample 6 : Kursus 2019 library 11k

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	
3	0	0.00	0.0	Lower Marker
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Kursus 2019 library 19

Number of peaks found: 7 Noise: 1.6

Peak table for sample 7 : Kursus 2019 library 19

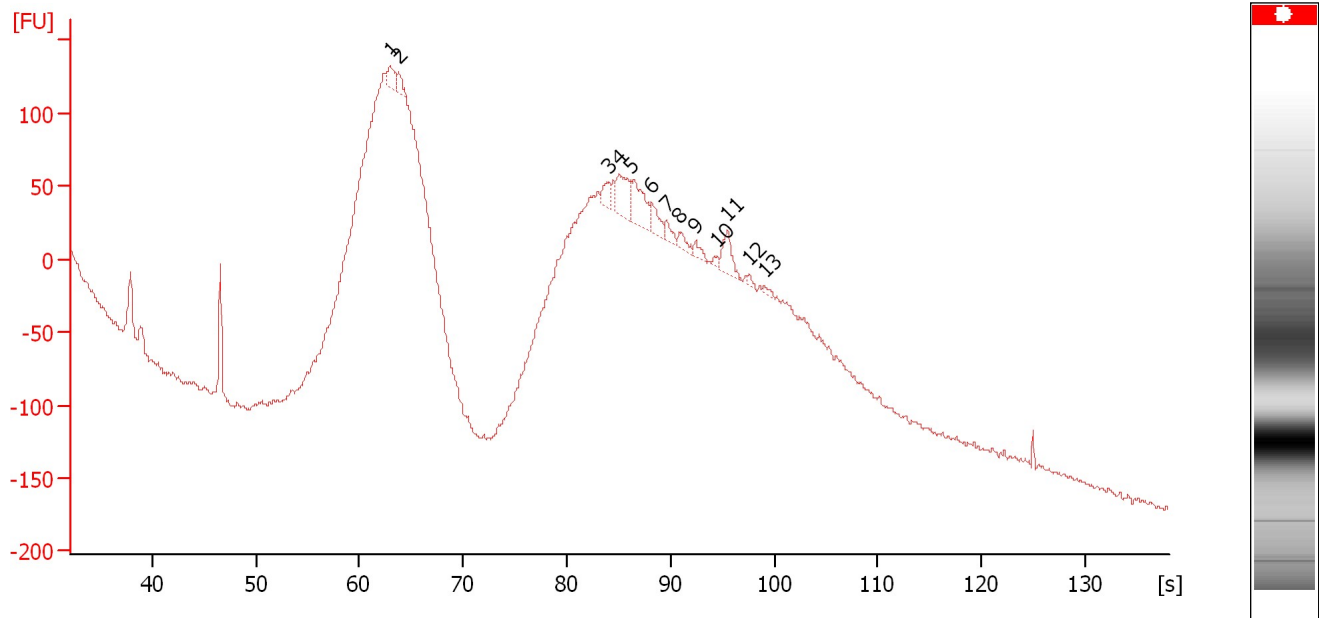
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	Upper Marker
9	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 20



Overall Results for sample 8 : Kursus 2019 library 20

Number of peaks found: 0 Noise: 2.5

Peak table for sample 8 : Kursus 2019 library 20

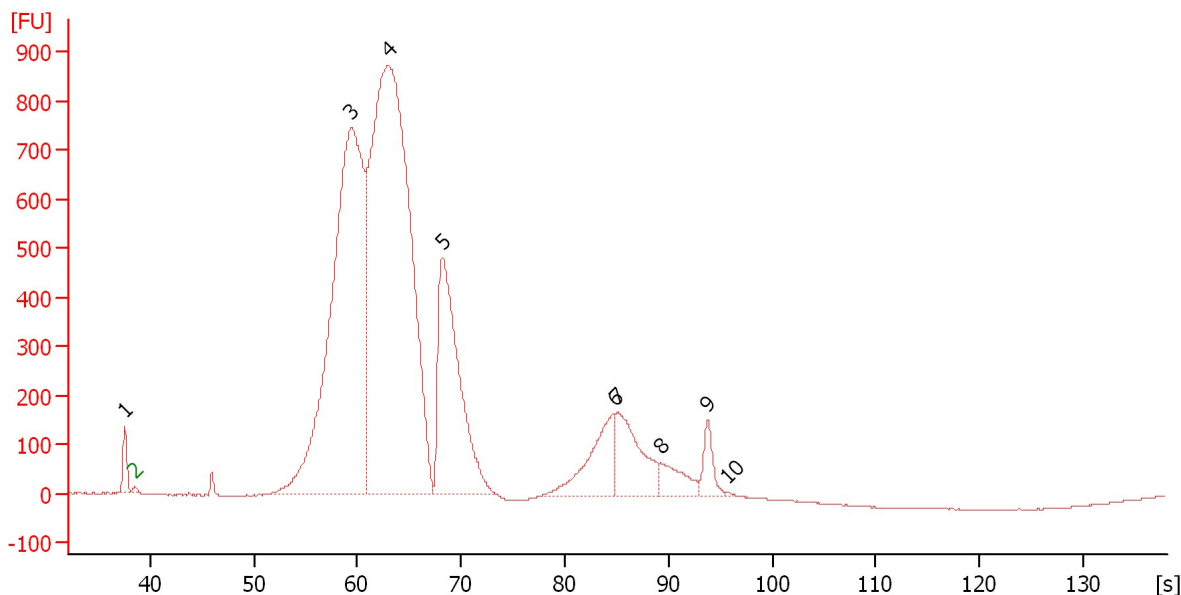
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 21



Overall Results for sample 9 : Kursus 2019 library 21

Number of peaks found: 9 Noise: 1.2

Peak table for sample 9 : Kursus 2019 library 21

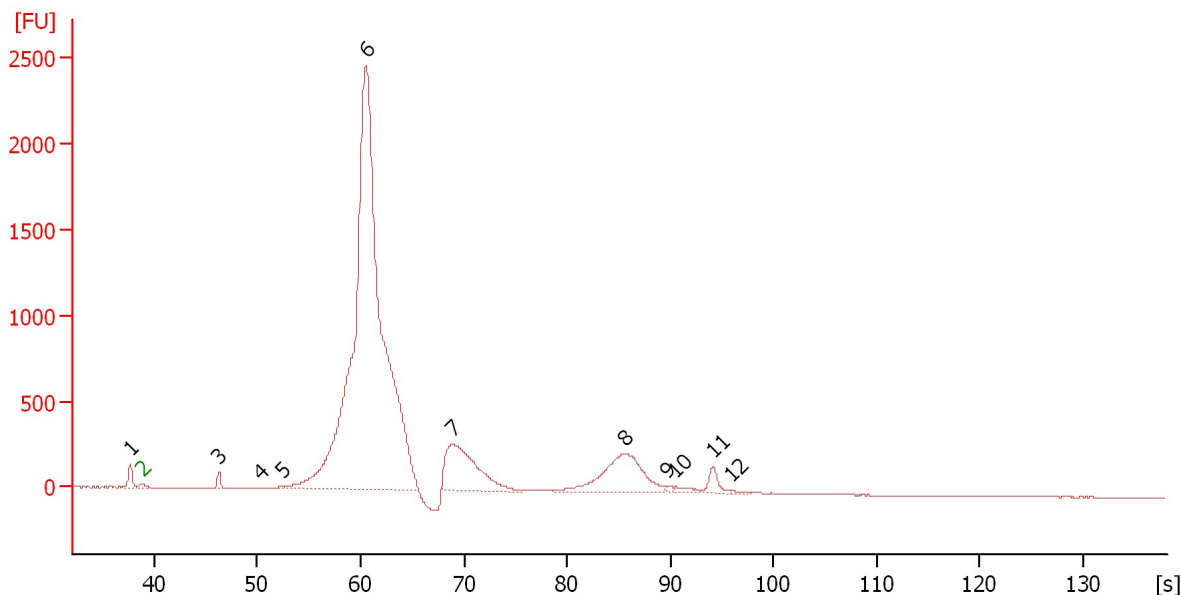
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	Lower Marker
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 22



Overall Results for sample 10 : Kursus 2019 library 22

Number of peaks found: 11 Noise: 0.6

Peak table for sample 10 : Kursus 2019 library 22

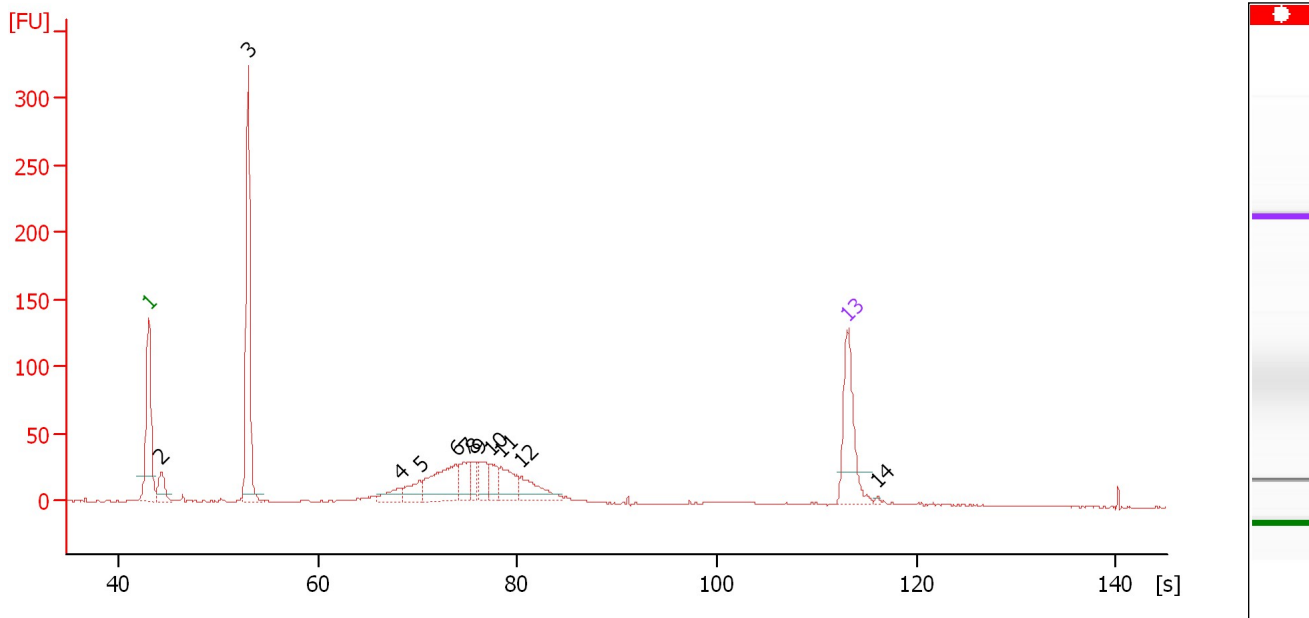
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	Lower Marker
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
 Modified: 9/19/2019 10:24:28 AM

Electropherogram Summary Continued ...

Kursus 2019 library 23



Overall Results for sample 11 : Kursus 2019 library 23

Number of peaks found: 12 Noise: 0.3

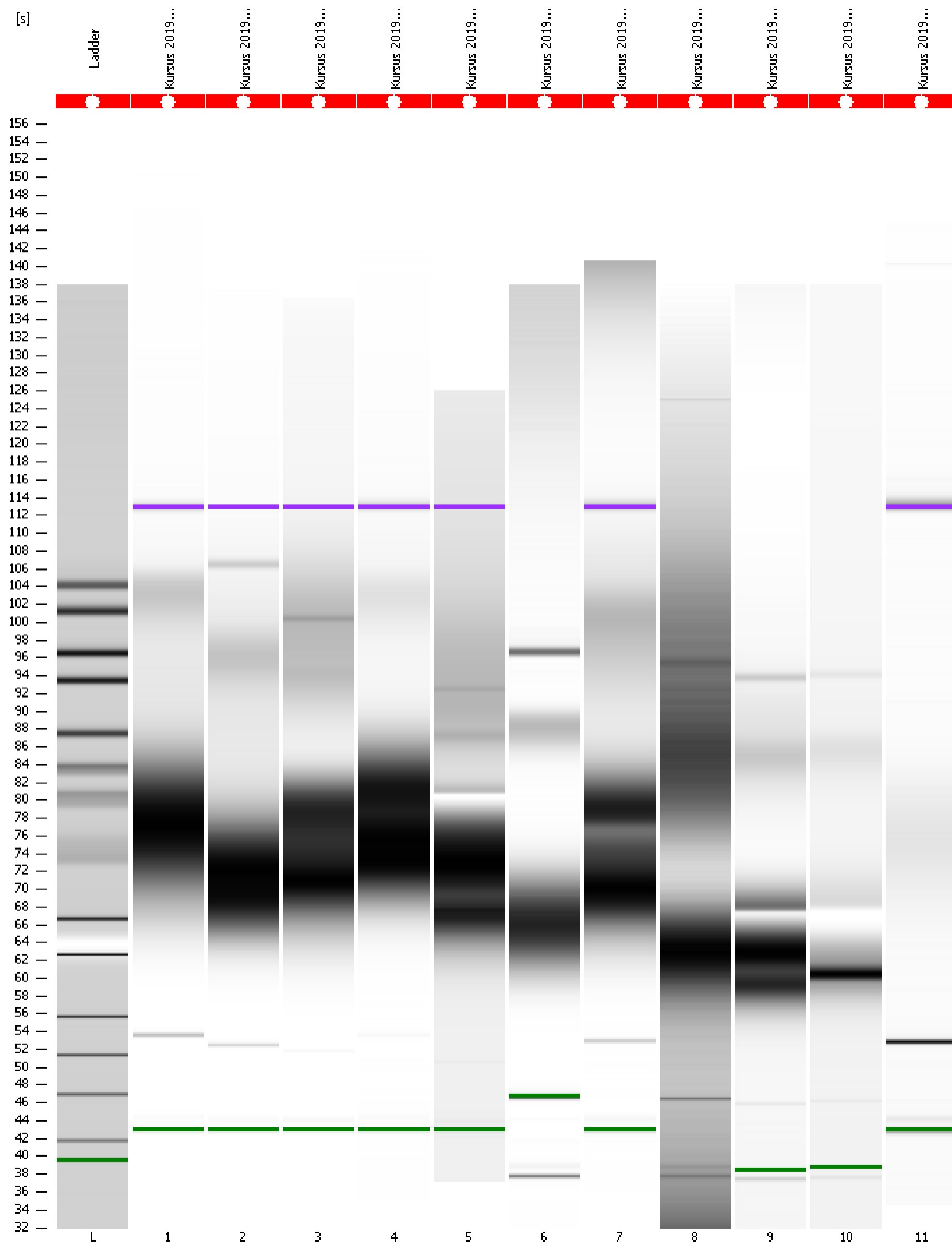
Peak table for sample 11 : Kursus 2019 library 23

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	Upper Marker
14	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad

Created: 9/19/2019 9:43:07 AM
Modified: 9/19/2019 10:24:28 AM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 9/19/2019 9:43:07 AM
 Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad Modified: 9/19/2019 10:24:28 AM

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		9/19/2019 10:24:25 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2019-09-19\2100 expert_High Sensitivity DNA Assay_DE72901621_2019-09-19_09-43-07.xad)		Instrument	Run		9/19/2019 9:43:13 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Product Number : G2939A		Instrument	Run		9/19/2019 9:43:13 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Name :		Instrument	Run		9/19/2019 9:43:13 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Vendor : Agilent Technologies		Instrument	Run		9/19/2019 9:43:13 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Serial# : DE72901621		Instrument	Run		9/19/2019 9:43:13 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Firmware : C.01.069		Instrument	Run		9/19/2019 9:43:13 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Cartridge : Electrode		Instrument	Run		9/19/2019 9:43:13 AM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02