Assay Class: High Sensitivity DNA Assay	Created: 05-07-2021 16:18:08
Data Path: C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad	Modified: 05-07-2021 16:59:31

Electrophoresis File Run Summary

Instrument Information:

Instrument Name:	Sarah Engelbeen	Firmware:	C.01.069
Serial#:	DE13806154	Type:	G2939A

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 #:
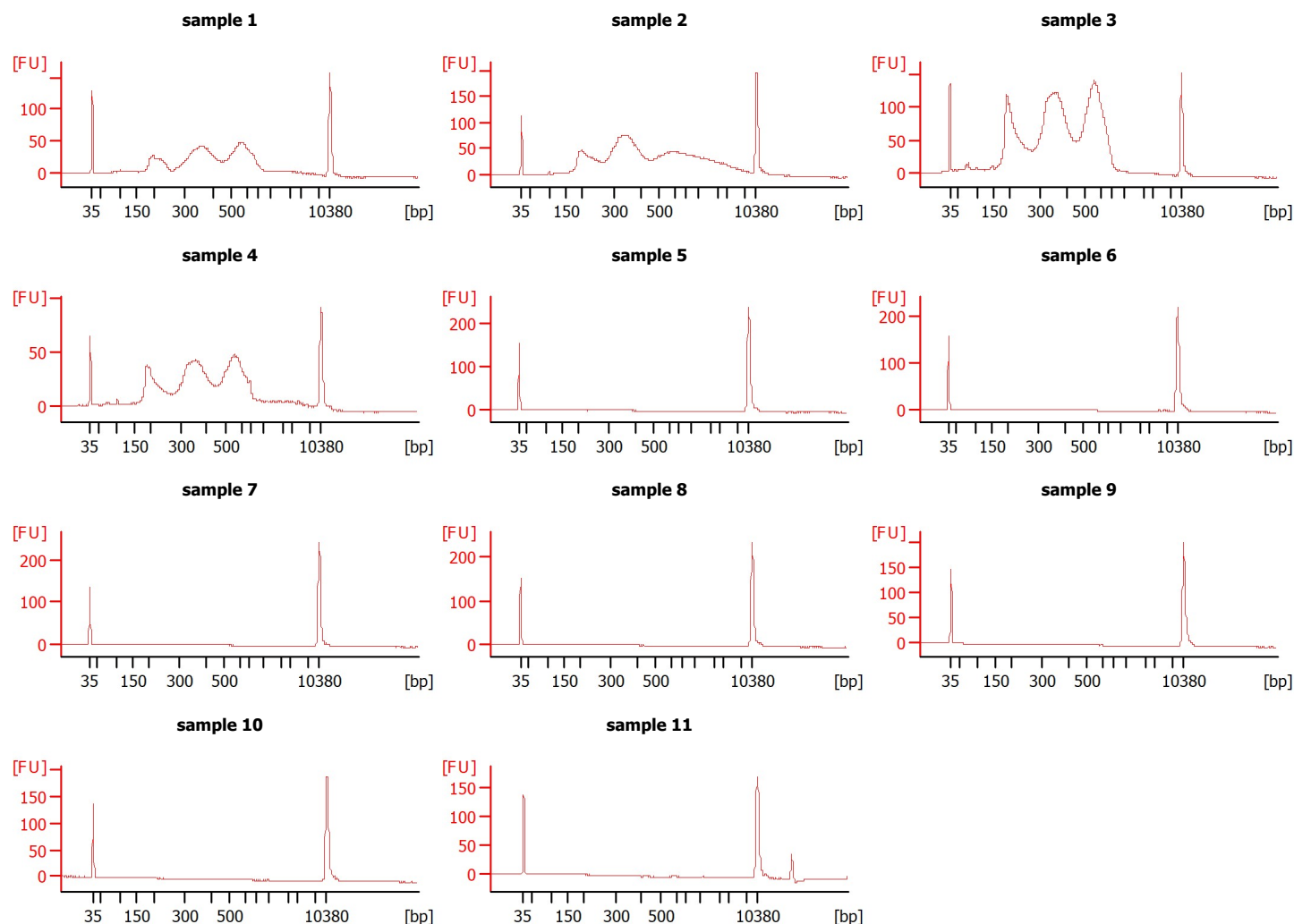
Chip Comments:

| Assay Class: | High Sensitivity DNA Assay | Created: | 05-07-2021 16:18:08 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad | Modified: | 05-07-2021 16:59:31 |

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		☐	✔			
sample 2		☐	✔			
sample 3		☐	✔			
sample 4		☐	✔			
sample 5		☐	✔			
sample 6		☐	✔			
sample 7		☐	✔			
sample 8		☐	✔			
sample 9		☐	✔			
sample 10		☐	✔			
sample 11		☐	✔			
Ladder		☐	✔			

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class:	High Sensitivity DNA Assay
Data Path:	C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad

Created:	05-07-2021 16:18:08
Modified:	05-07-2021 16:59:31

Electropherogram Summary
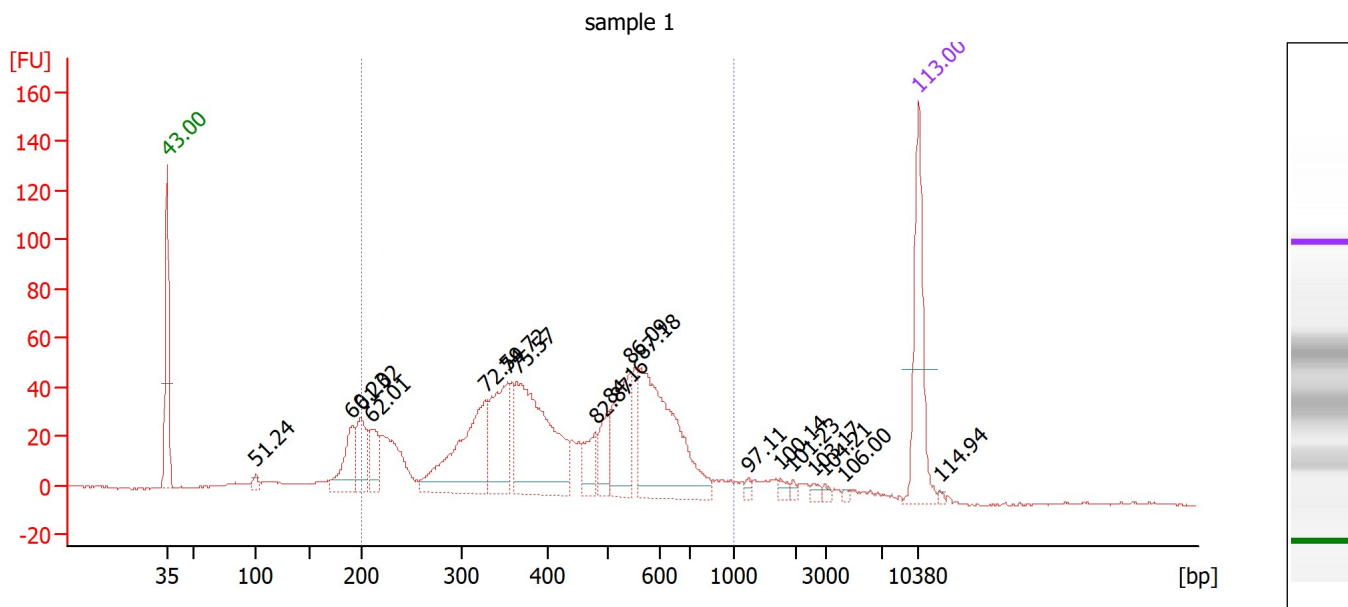
sample 1

Overall Results for sample 1 :   sample 1

Number of peaks found:	18	Corr. Area 1:	1.211,0
Noise:	0,4		

Peak table for sample 1 :   sample 1

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125,00	5.411,3	Lower Marker
2		100	7,72	116,8	
3		191	52,74	417,4	
4		200	50,94	386,7	
5		210	38,34	276,4	
6		327	143,72	666,2	
7		354	91,40	391,4	
8		364	187,66	780,2	
9		480	30,11	95,0	
10		503	31,40	94,5	
11		544	78,76	219,5	
12		566	172,84	462,4	
13		1.243	3,77	4,6	
14		1.770	4,90	4,2	
15		1.960	2,98	2,3	
16		2.584	3,97	2,3	
17		2.941	2,94	1,5	
18		4.230	1,83	0,7	
19	▶	10.380	75,00	10,9	Upper Marker
20		12.328	0,00	0,0	

Assay Class: High Sensitivity DNA Assay   Created: 05-07-2021 16:18:08
Data Path: C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad   Modified: 05-07-2021 16:59:31

Electropherogram Summary Continued ...
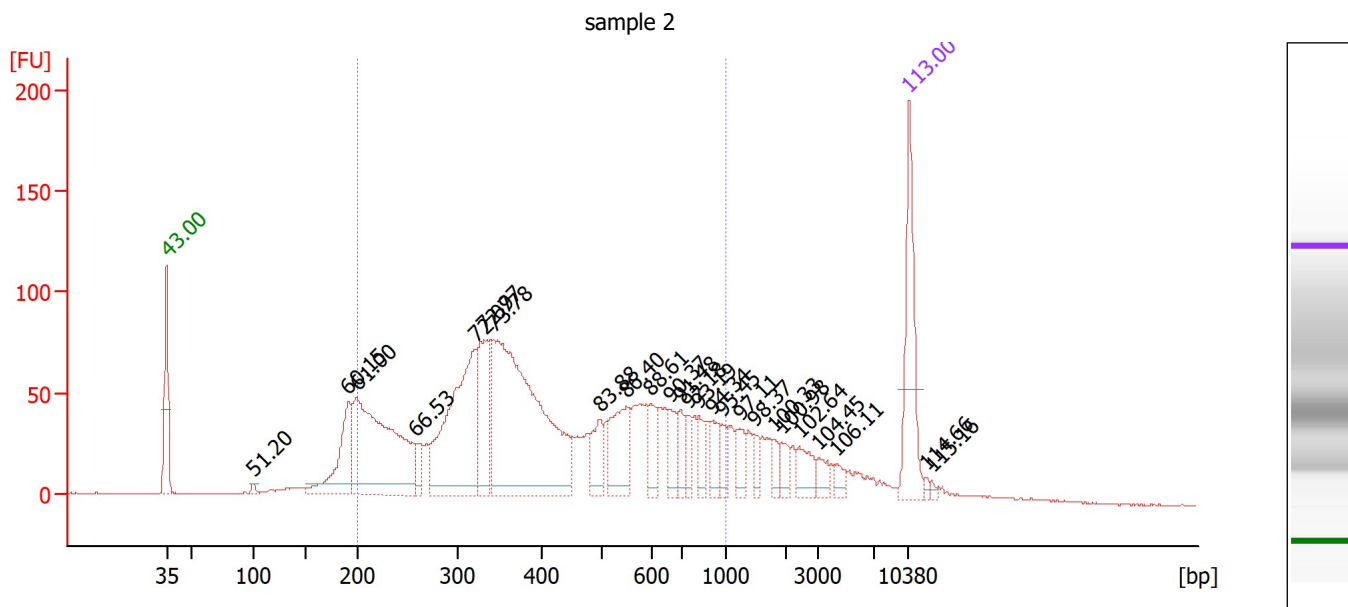
sample 2

Overall Results for sample 2 :   sample 2

Number of peaks found:	25	Corr. Area 1:	2.041,3
Noise:	0,4		

Peak table for sample 2 :   sample 2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1 ◄	35	125,00	5.411,3	Lower Marker
2	100	4,18	63,5	
3	191	94,05	747,5	
4	199	292,71	2.224,0	
5	258	19,88	116,6	
6	320	225,70	1.067,6	
7	332	92,20	421,1	
8	342	396,38	1.756,8	
9	498	36,59	111,3	
10	550	65,51	180,5	
11	596	28,43	72,3	
12	654	25,40	58,8	
13	693	20,59	45,0	
14	737	18,09	37,2	
15	812	19,09	35,6	
16	898	20,89	35,3	
17	980	17,01	26,3	
18	1.242	18,86	23,0	
19	1.461	10,91	11,3	
20	1.802	9,47	8,0	
21	1.916	12,71	10,0	
22	2.403	20,51	12,9	
23	3.051	12,50	6,2	
24	4.314	9,02	3,2	
25 ▶	10.380	75,00	10,9	Upper Marker
26	12.050	0,00	0,0	

| Assay Class: | High Sensitivity DNA Assay | | Created: | 05-07-2021 16:18:08 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad | | Modified: | 05-07-2021 16:59:31 |

Electropherogram Summary Continued ...

... Peak table for sample 2 :   sample 2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	12.556	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad

Created: 05-07-2021 16:18:08
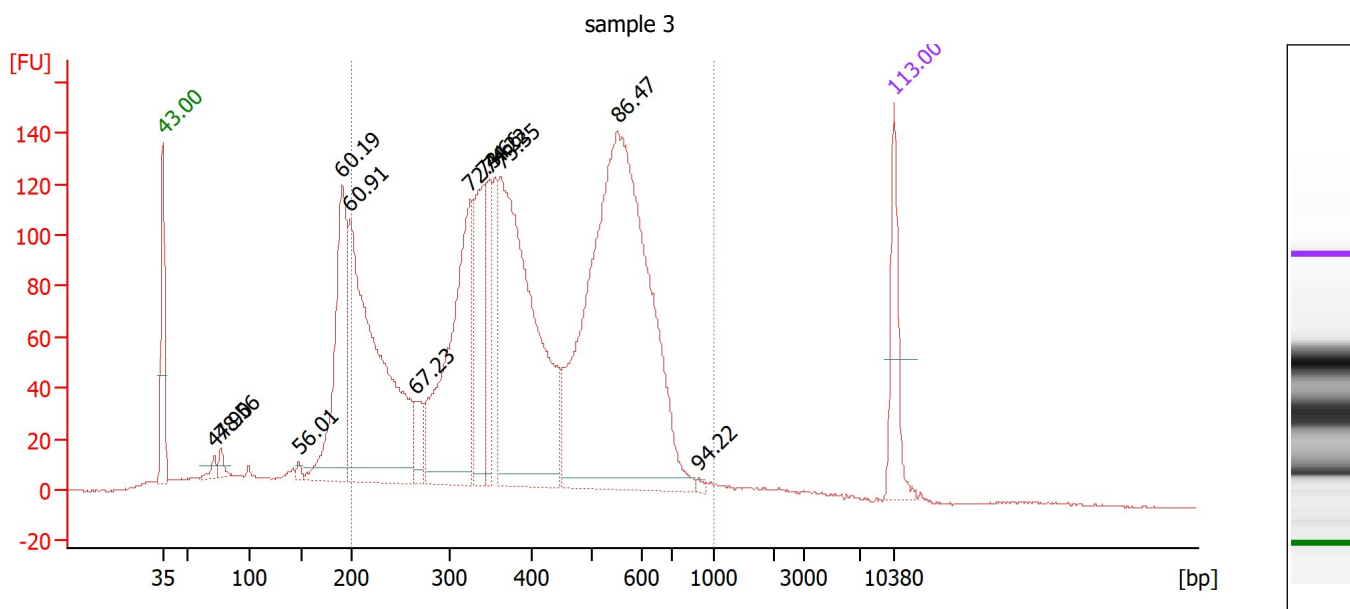Modified: 05-07-2021 16:59:31

Electropherogram Summary Continued ...

sample 3

Overall Results for sample 3 :   sample 3

Number of peaks found:	12	Corr. Area 1:	3.319,1
Noise:	0,4		

Peak table for sample 3 :   sample 3

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1 ◄	35	125,00	5.411,3	Lower Marker
2	72	16,54	350,4	
3	77	17,84	350,2	
4	148	7,95	81,3	
5	191	310,79	2.464,1	
6	198	646,60	4.936,9	
7	266	46,42	264,7	
8	325	391,66	1.825,9	
9	340	179,06	796,9	
10	348	102,87	448,5	
11	362	601,98	2.522,0	
12	552	955,55	2.625,2	
13	889	3,65	6,2	
14 ▶	10.380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad

Created: 05-07-2021 16:18:08
Modified: 05-07-2021 16:59:31

Electropherogram Summary Continued ...
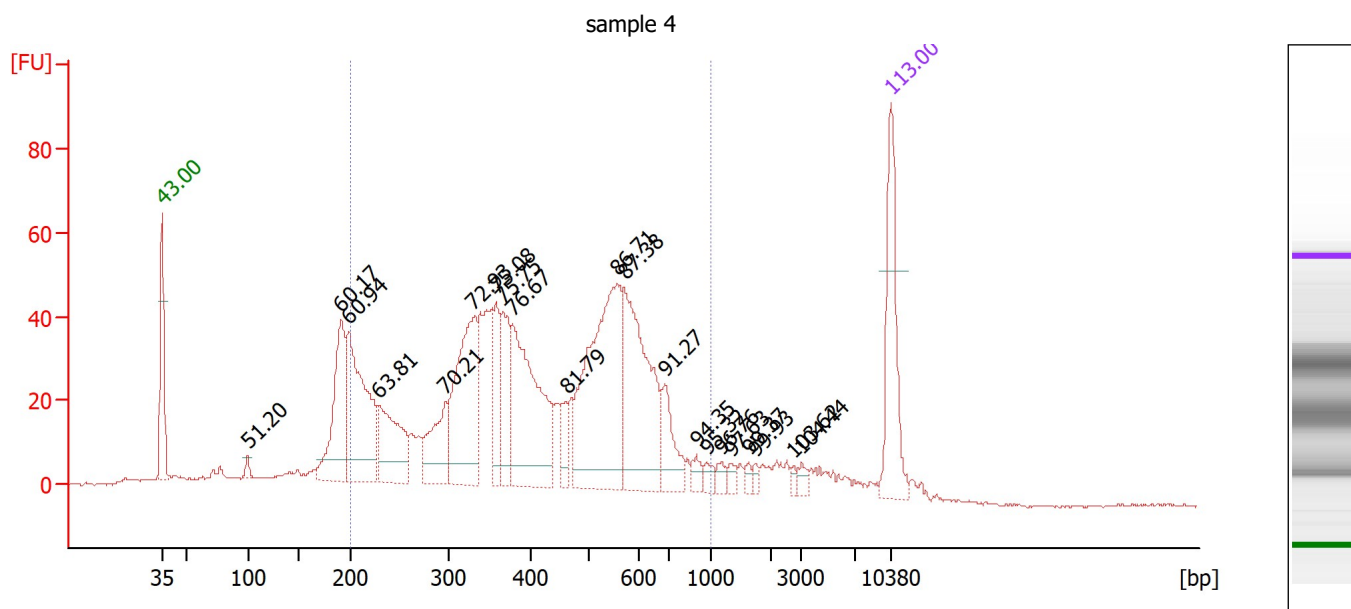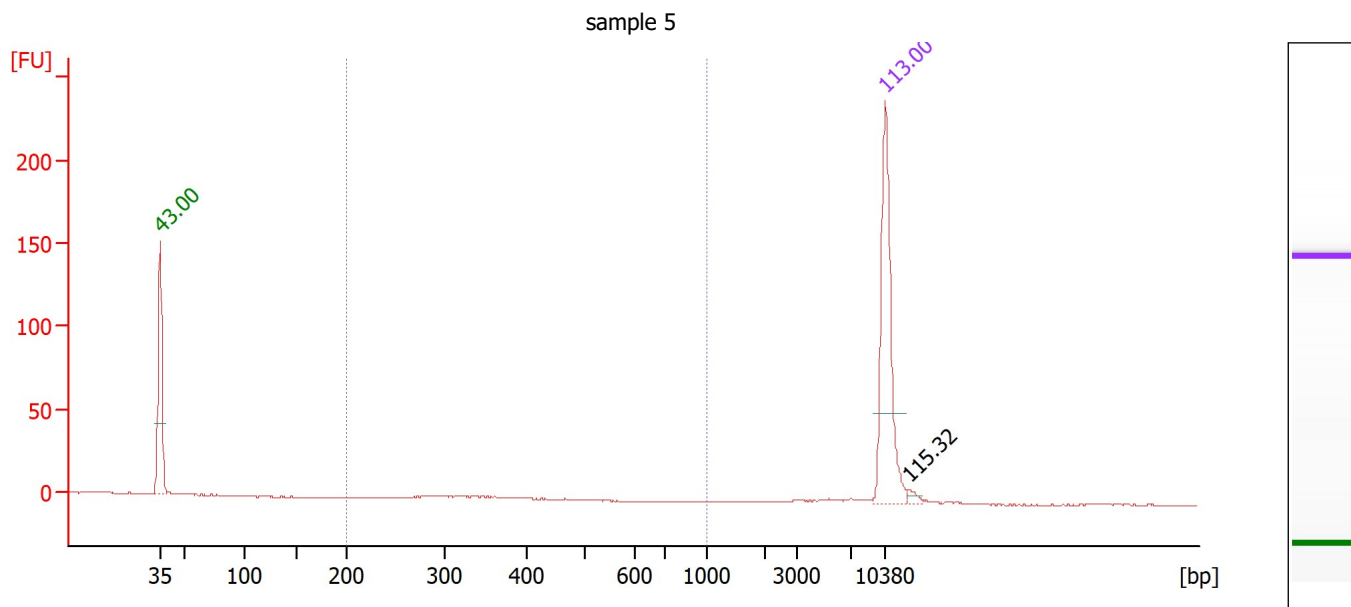

sample 4

Overall Results for sample 4 :   sample 4

Number of peaks found:	21	Corr. Area 1:	1.246,2
Noise:	0,3		

Peak table for sample 4 :   sample 4

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125,00	5.411,3	Lower Marker
2		100	6,99	106,2	
3		191	129,15	1.025,4	
4		199	181,30	1.382,3	
5		229	97,59	645,0	
6		297	67,50	343,9	
7		331	161,70	739,8	
8		358	49,84	210,8	
9		367	66,60	275,2	
10		378	179,41	718,5	
11		461	19,23	63,2	
12		557	225,70	614,5	
13		570	162,06	430,5	
14		686	42,74	94,4	
15		898	9,89	16,7	
16		970	7,69	12,0	
17		1.180	6,80	8,7	
18		1.332	6,57	7,5	
19		1.635	4,46	4,1	
20		1.734	4,43	3,9	
21		2.739	3,70	2,0	
22		3.044	6,10	3,0	
23	▶	10.380	75,00	10,9	Upper Marker

Assay Class: High Sensitivity DNA Assay   Created: 05-07-2021 16:18:08
Data Path: C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad   Modified: 05-07-2021 16:59:31

Electropherogram Summary Continued ...

sample 5

Overall Results for sample 5 :   sample 5

Number of peaks found:	1	Corr. Area 1:	5,8
Noise:	0,2		

Peak table for sample 5 :   sample 5

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
3		12.711	0,00	0,0	

| Assay Class: | High Sensitivity DNA Assay | Created: | 05-07-2021 16:18:08 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad | Modified: | 05-07-2021 16:59:31 |

Electropherogram Summary Continued ...

sample 6

Overall Results for sample 6 :   sample 6

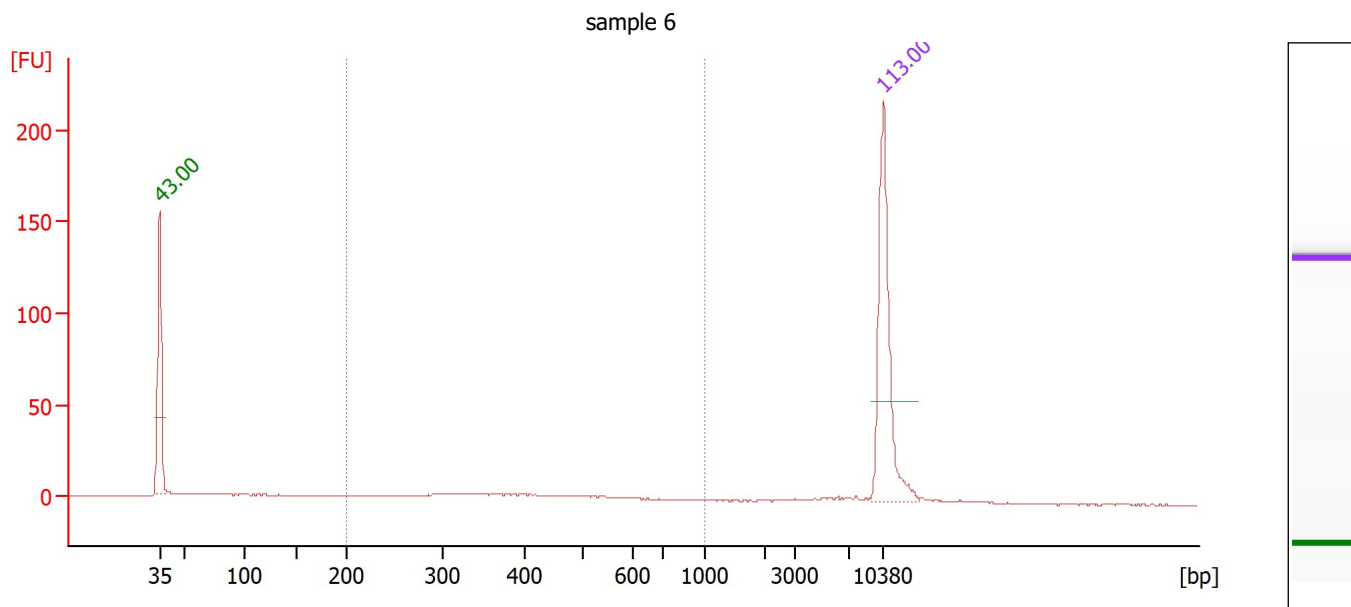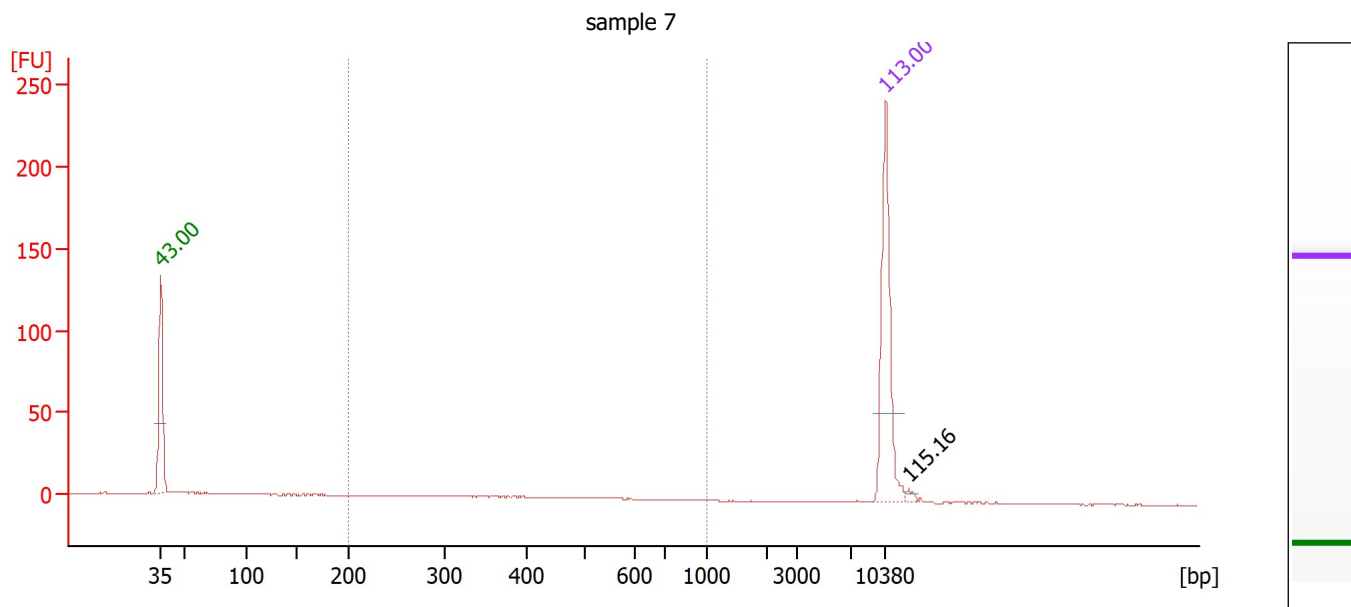| Number of peaks found: | 0 | Corr. Area 1: | 94,3 |
| Noise: | 0,2 | | |

Peak table for sample 6 :   sample 6

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

Assay Class:	High Sensitivity DNA Assay	Created:	05-07-2021 16:18:08
Data Path:	C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad	Modified:	05-07-2021 16:59:31

Electropherogram Summary Continued ...
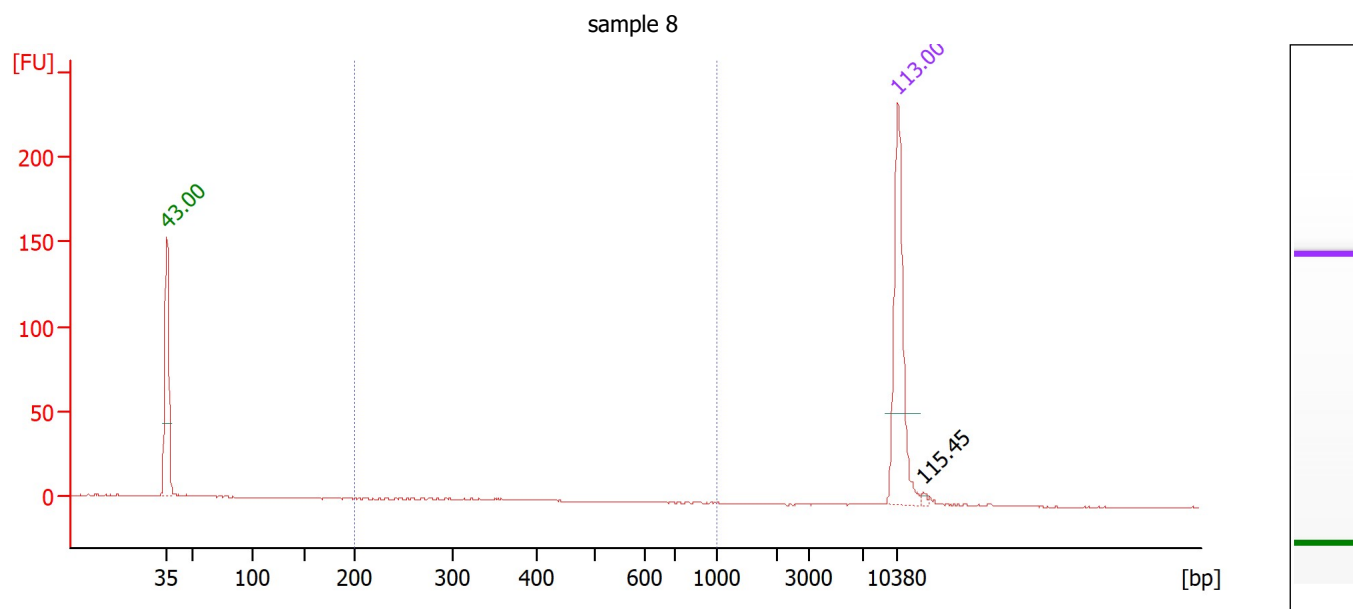

Overall Results for sample 7 :   sample 7

Number of peaks found:	1	Corr. Area 1:	25,0
Noise:	0,2		

Peak table for sample 7 :   sample 7

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
3		12.555	0,00	0,0	

Assay Class: High Sensitivity DNA Assay   Created: 05-07-2021 16:18:08
Data Path: C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad   Modified: 05-07-2021 16:59:31

Electropherogram Summary Continued ...

sample 8

Overall Results for sample 8 :   sample 8

Number of peaks found:	1	Corr. Area 1:	0,9
Noise:	0,3		

Peak table for sample 8 :   sample 8

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
3		12.846	0,00	0,0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad

Created: 05-07-2021 16:18:08
Modified: 05-07-2021 16:59:31

Electropherogram Summary Continued ...

sample 9
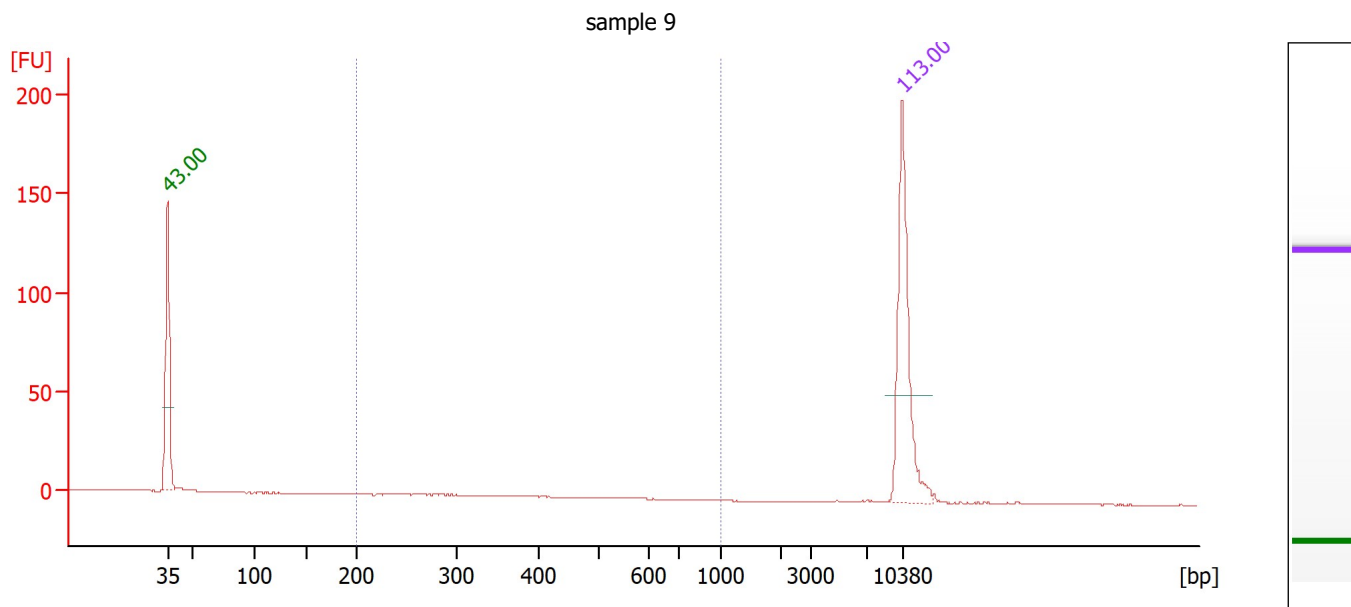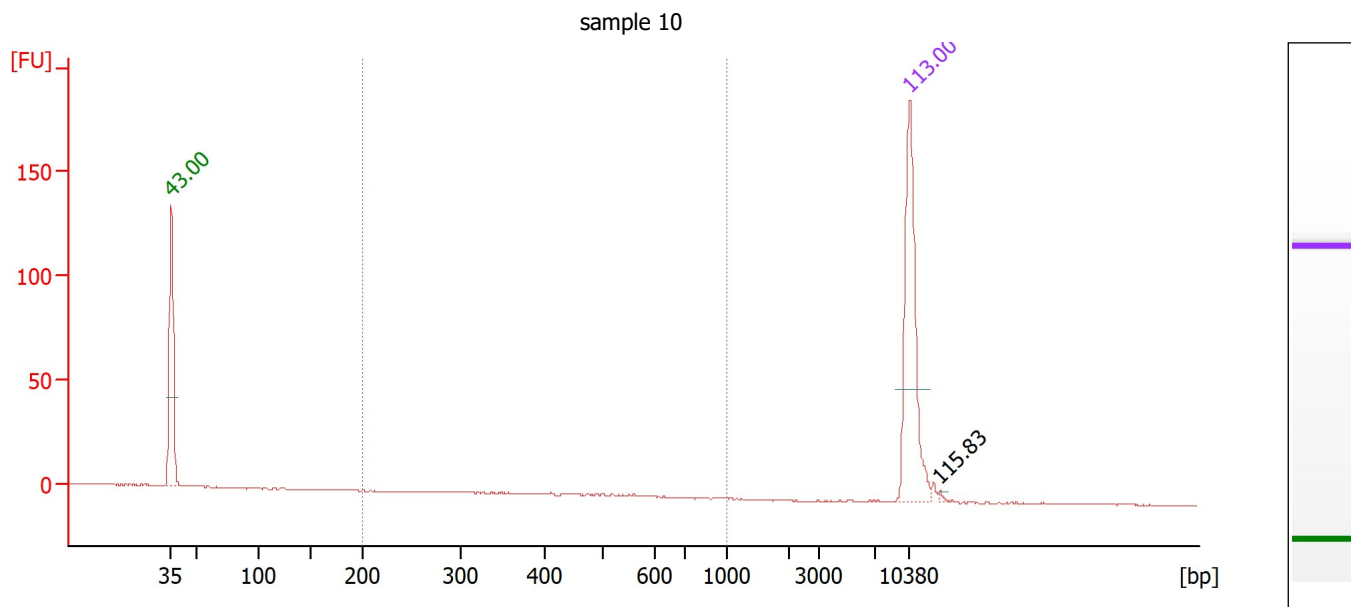

Overall Results for sample 9 :   sample 9

Number of peaks found:	0	Corr. Area 1:	0,6
Noise:	0,2		

Peak table for sample 9 :   sample 9

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

Electropherogram Summary Continued ...

sample 10

Overall Results for sample 10 :   sample 10

Number of peaks found:	1	Corr. Area 1:	0,2
Noise:	0,2		

Peak table for sample 10 :   sample 10

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
3		13.228	0,00	0,0	

Assay Class:	High Sensitivity DNA Assay	Created:	05-07-2021 16:18:08
Data Path:	C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad	Modified:	05-07-2021 16:59:31

Electropherogram Summary Continued ...
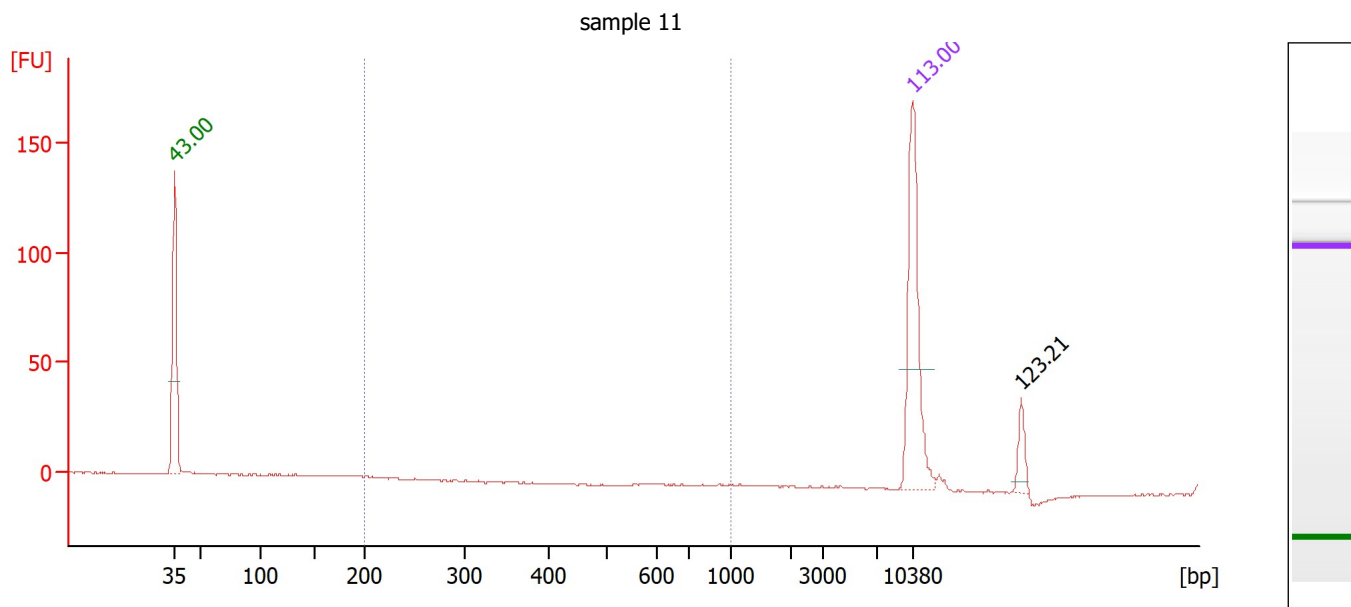
sample 11

Overall Results for sample 11 :   sample 11

Number of peaks found:	1	Corr. Area 1:	3,8
Noise:	0,3		

Peak table for sample 11 :   sample 11

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
3		20.654	0,00	0,0	

| Assay Class: | High Sensitivity DNA Assay | | Created: | 05-07-2021 16:18:08 |
| Data Path: | C:\...gh Sensitivity DNA Assay_DE13806154_2021-07-05_16-18-08.xad | | Modified: | 05-07-2021 16:59:31 |

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