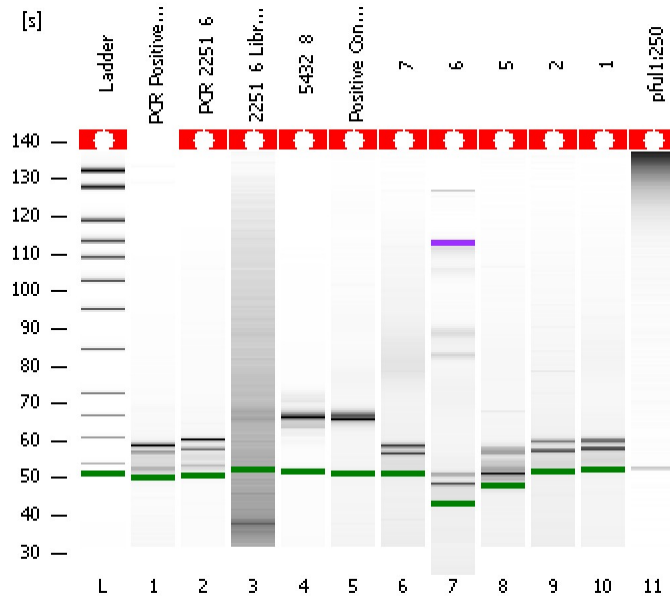


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
Modified: 1/21/2014 3:19:14 PM

### Electrophoresis File Run Summary



#### Instrument Information:

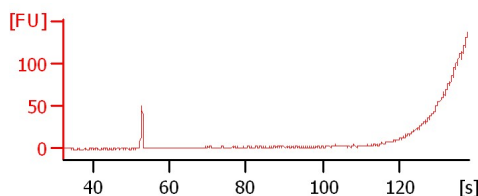
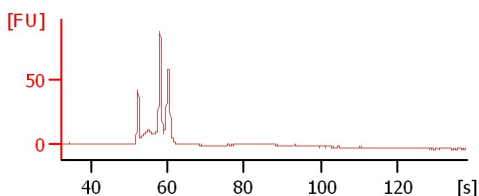
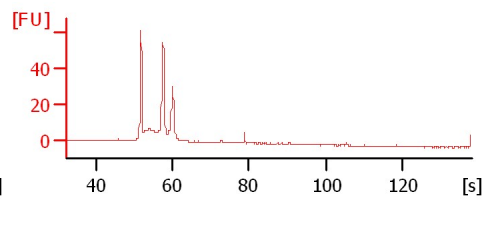
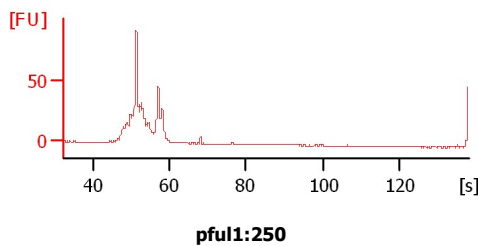
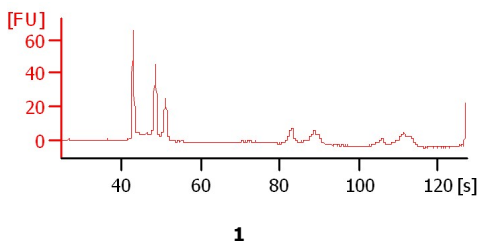
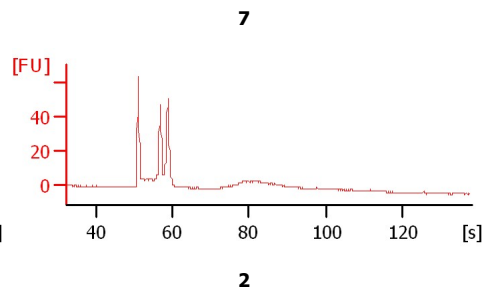
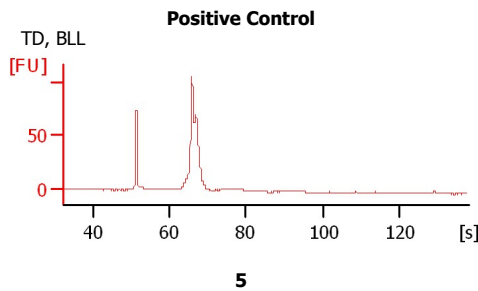
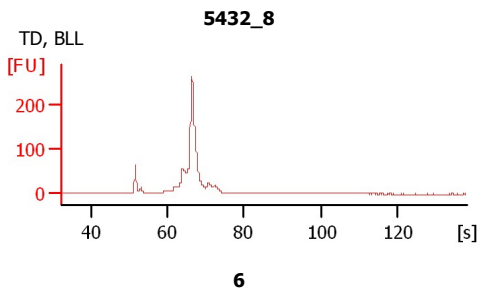
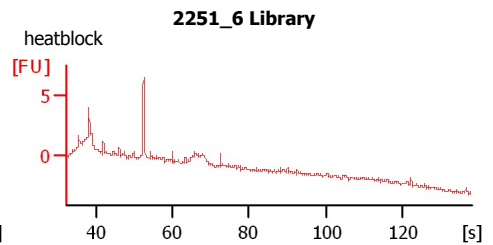
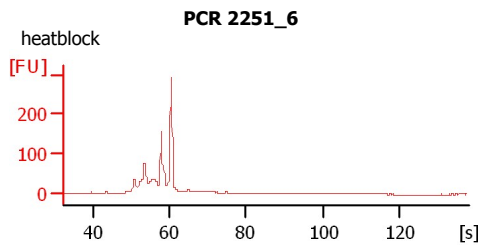
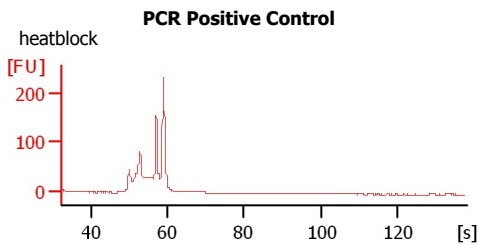
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
Modified: 1/21/2014 3:19:14 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PCR Positive Control	heatblock	<input type="checkbox"/>	✓			
PCR 2251_6	heatblock	<input type="checkbox"/>	✓			
2251_6 Library	heatblock	<input type="checkbox"/>	✓			
5432_8	TD, BLL	<input type="checkbox"/>	✓			
Positive Control	TD, BLL	<input type="checkbox"/>	✓			
7		<input type="checkbox"/>	✓			
6		<input type="checkbox"/>	✓			
5		<input type="checkbox"/>	✓			
2		<input type="checkbox"/>	✓			
1		<input type="checkbox"/>	✓			
pful1:250		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
Modified: 1/21/2014 3:19:14 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/μl] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/μl] : 125  
Upper Marker Concentration [pg/μl] : 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

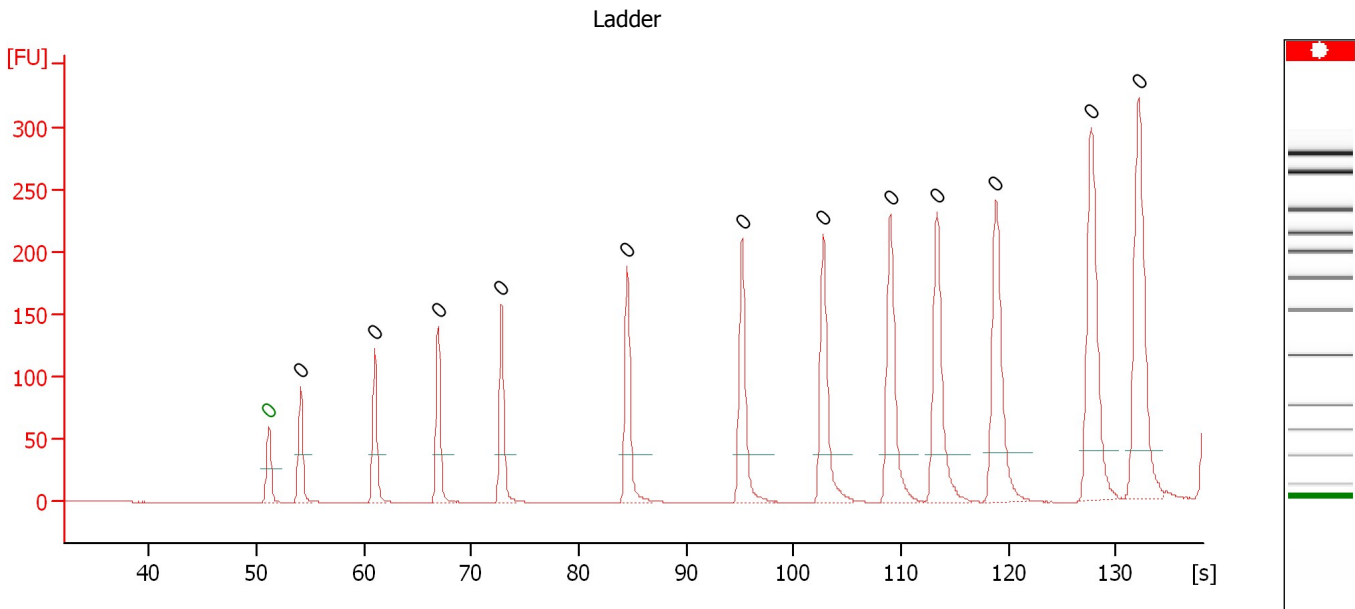
**Ladder**

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:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

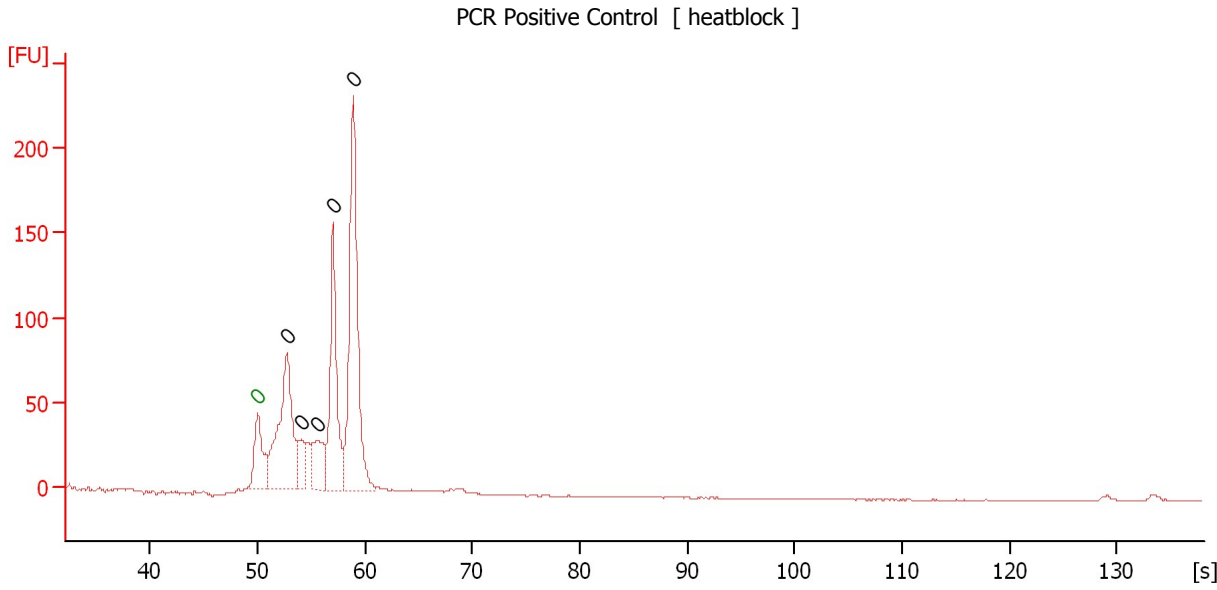
**Peak table for Ladder**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.15	0	0.00	0.0	Lower Marker
2	54.10	0	0.00	0.0	Ladder Peak
3	61.00	0	0.00	0.0	Ladder Peak
4	66.90	0	0.00	0.0	Ladder Peak
5	72.80	0	0.00	0.0	Ladder Peak
6	84.50	0	0.00	0.0	Ladder Peak
7	95.20	0	0.00	0.0	Ladder Peak
8	102.75	0	0.00	0.0	Ladder Peak
9	109.00	0	0.00	0.0	Ladder Peak
10	113.35	0	0.00	0.0	Ladder Peak
11	118.85	0	0.00	0.0	Ladder Peak
12	127.70	0	0.00	0.0	Ladder Peak
13	132.15	0	0.00	0.0	Ladder Peak

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
 Modified: 1/21/2014 3:19:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : PCR Positive Control**

Number of peaks found: 5                      Noise: 0.2

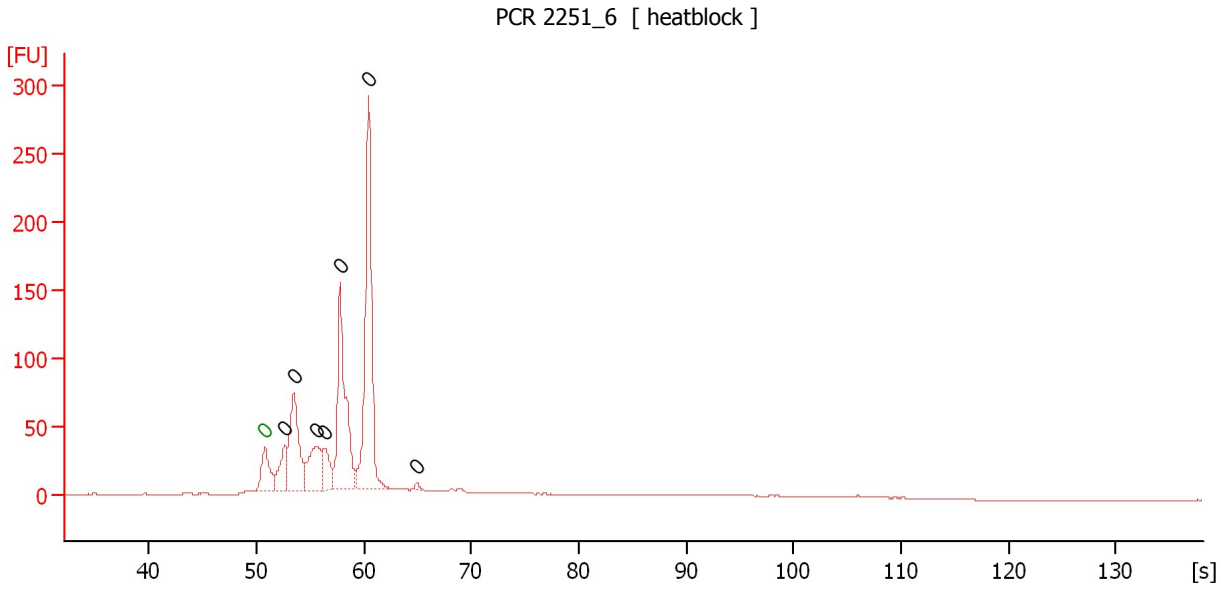
**Peak table for sample 1 : PCR Positive Control**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	50.00	0	0.00	0.0	Lower Marker
2	52.70	0	0.00	0.0	
3	54.05	0	0.00	0.0	
4	55.60	0	0.00	0.0	
5	57.05	0	0.00	0.0	
6	58.90	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
 Modified: 1/21/2014 3:19:14 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : PCR 2251\_6**

Number of peaks found: 7                      Noise: 0.2

**Peak table for sample 2 : PCR 2251\_6**

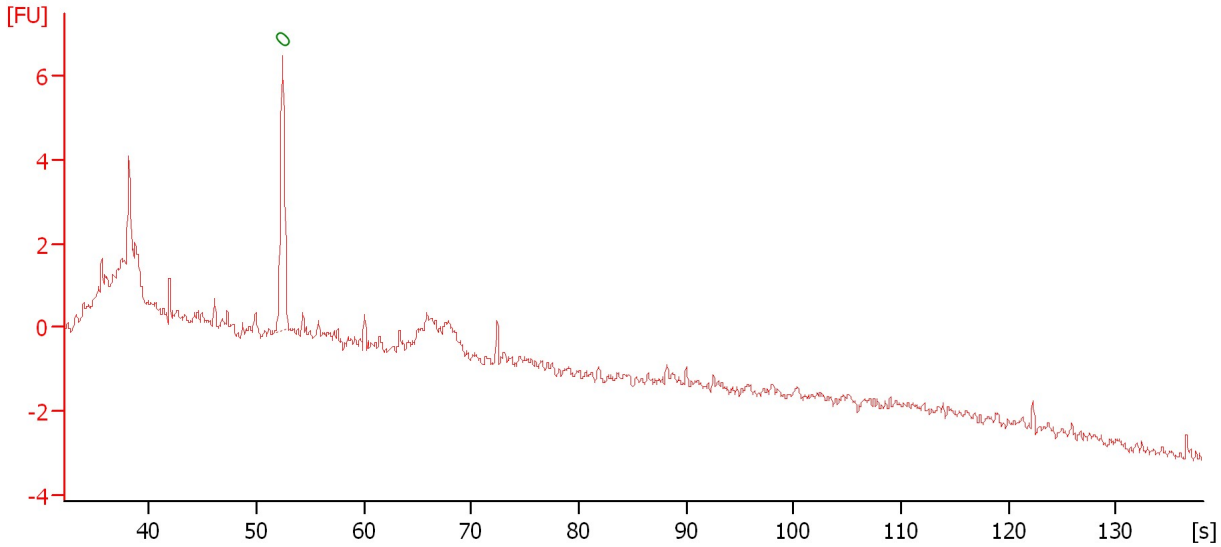
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	50.75	0	0.00	0.0	Lower Marker
2	52.65	0	0.00	0.0	
3	53.45	0	0.00	0.0	
4	55.55	0	0.00	0.0	
5	56.35	0	0.00	0.0	
6	57.80	0	0.00	0.0	
7	60.45	0	0.00	0.0	
8	64.95	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
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**Electropherogram Summary Continued ...**

2251\_6 Library [ heatblock ]



**Overall Results for sample 3 : 2251\_6 Library**

Number of peaks found: 0                      Noise: 0.2

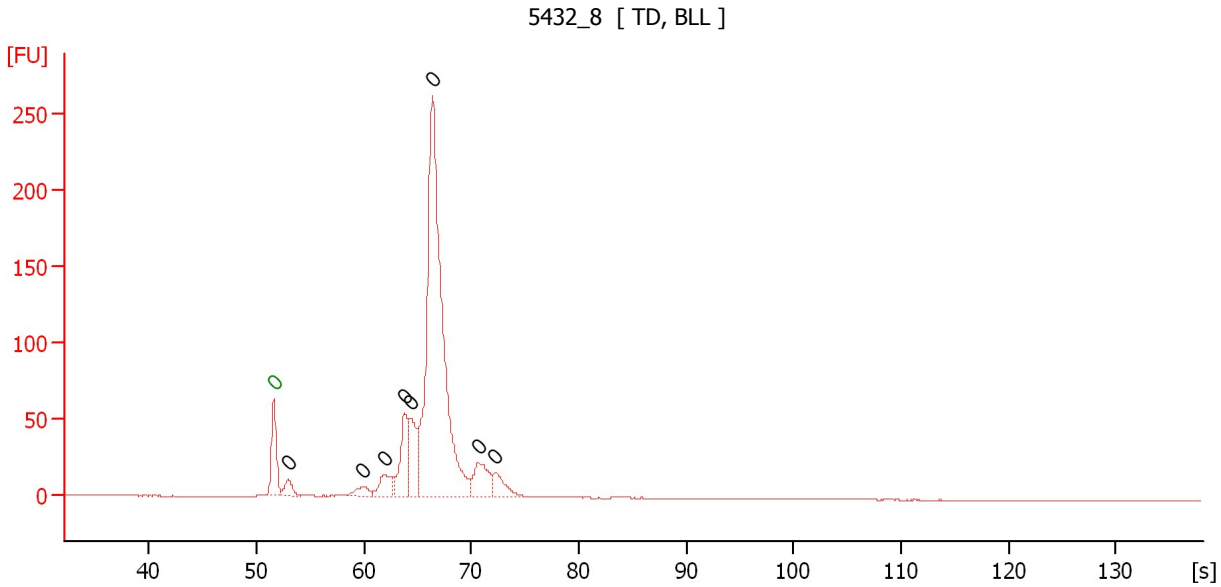
**Peak table for sample 3 : 2251\_6 Library**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	52.45	0	0.00	0.0	Lower Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 5432\_8**

Number of peaks found: 8                      Noise: 0.2

**Peak table for sample 4 : 5432\_8**

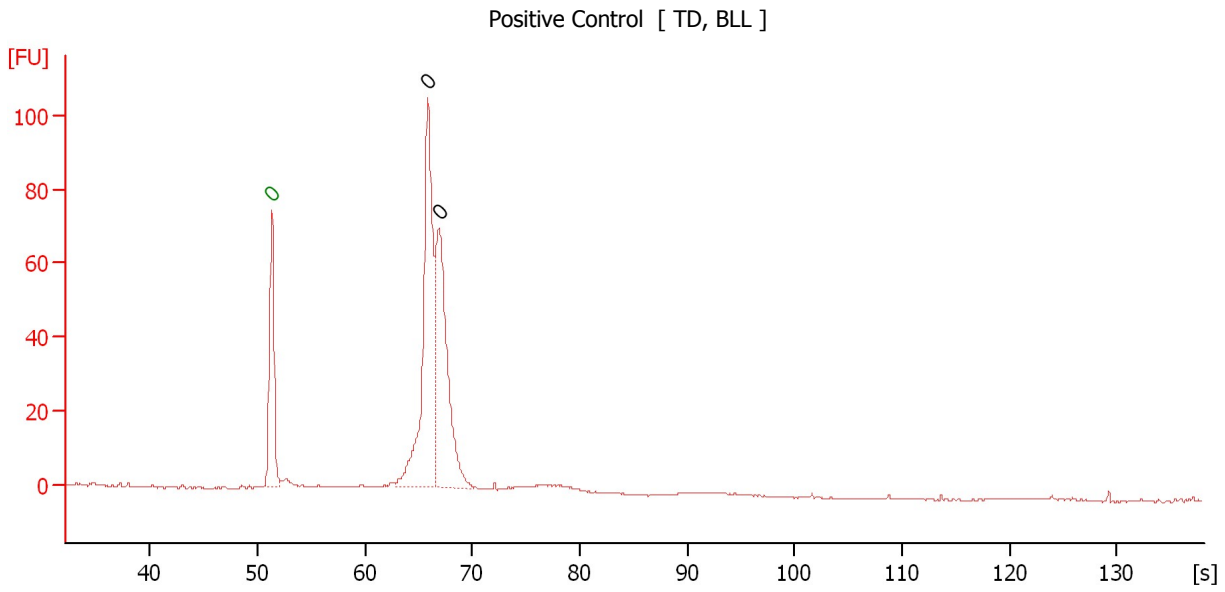
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.60	0	0.00	0.0	Lower Marker
2	52.95	0	0.00	0.0	
3	59.95	0	0.00	0.0	
4	61.85	0	0.00	0.0	
5	63.75	0	0.00	0.0	
6	64.35	0	0.00	0.0	
7	66.35	0	0.00	0.0	
8	70.60	0	0.00	0.0	
9	72.25	0	0.00	0.0	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Positive Control**

Number of peaks found: 2                      Noise: 0.2

**Peak table for sample 5 : Positive Control**

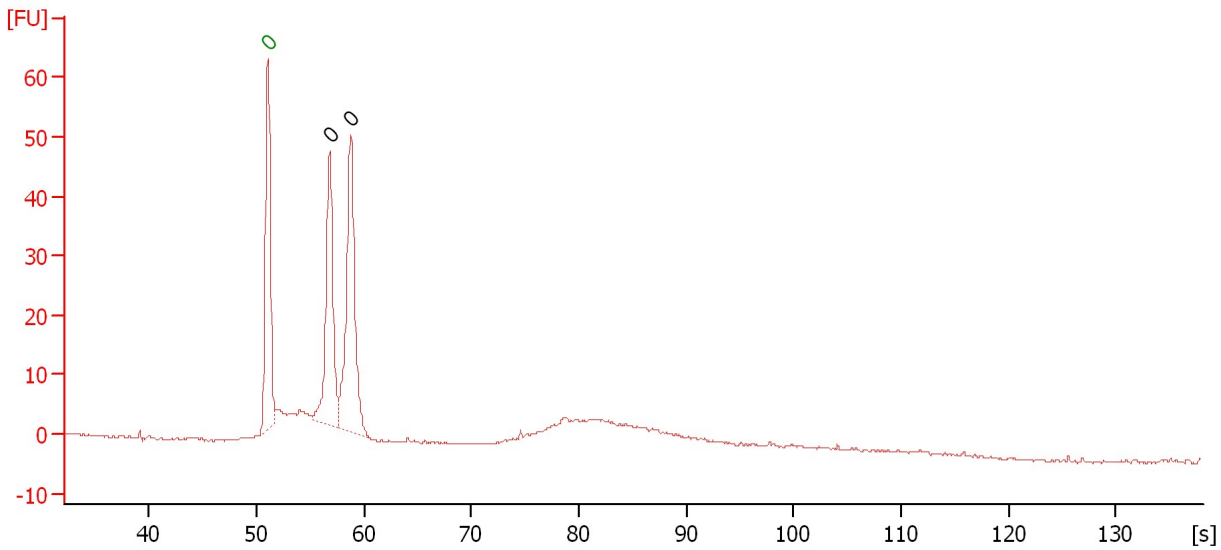
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.30	0	0.00	0.0	Lower Marker
2	65.85	0	0.00	0.0	
3	66.90	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
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**Electropherogram Summary Continued ...**

7



**Overall Results for sample 6 : 7**

Number of peaks found: 2                      Noise: 0.2

**Peak table for sample 6 : 7**

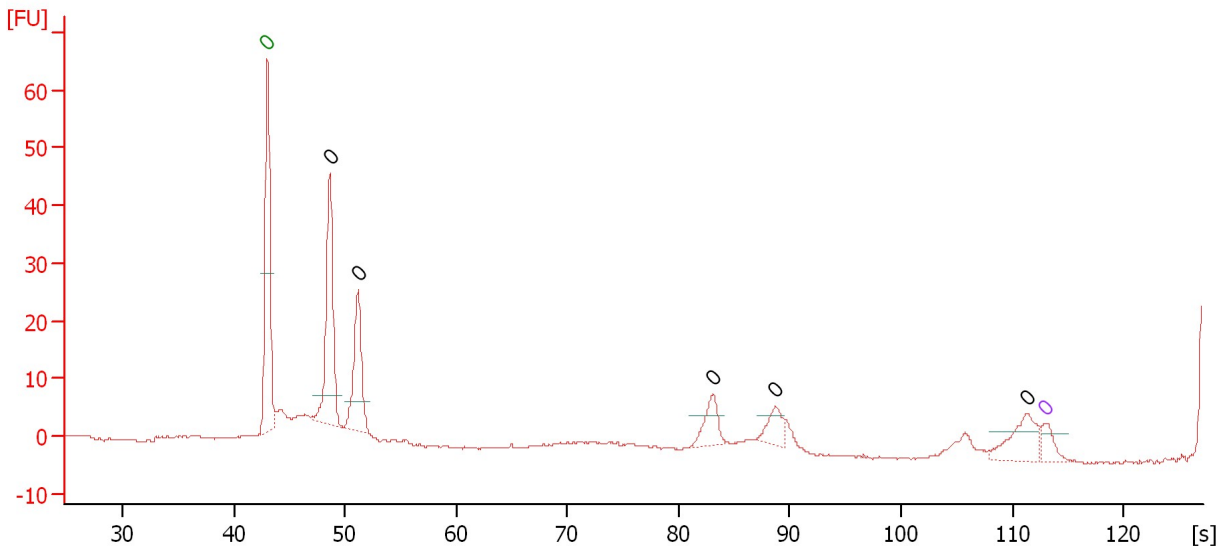
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.05	0	0.00	0.0	Lower Marker
2	56.80	0	0.00	0.0	
3	58.75	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
 Modified: 1/21/2014 3:19:14 PM

**Electropherogram Summary Continued ...**

6



**Overall Results for sample 7 : 6**

Number of peaks found: 5                      Noise: 0.1

**Peak table for sample 7 : 6**

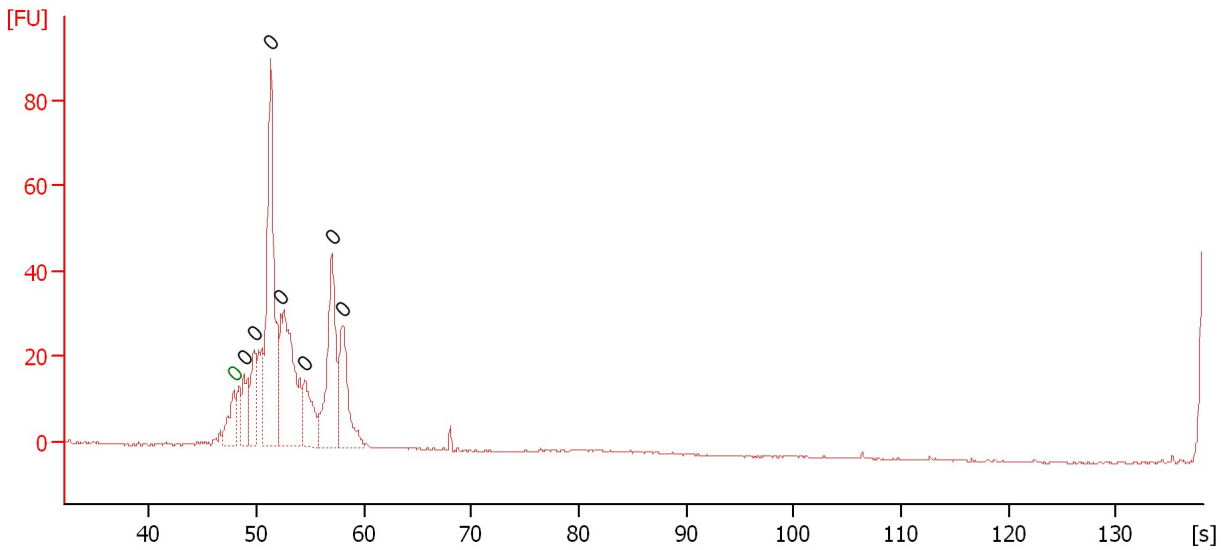
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	0	0.00	0.0	Lower Marker
2	48.60	0	0.00	0.0	
3	51.16	0	0.00	0.0	
4	83.05	0	0.00	0.0	
5	88.70	0	0.00	0.0	
6	111.36	0	0.00	0.0	
7	113.00	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
 Modified: 1/21/2014 3:19:14 PM

**Electropherogram Summary Continued ...**

5



**Overall Results for sample 8 : 5**

Number of peaks found: 7                      Noise: 0.2

**Peak table for sample 8 : 5**

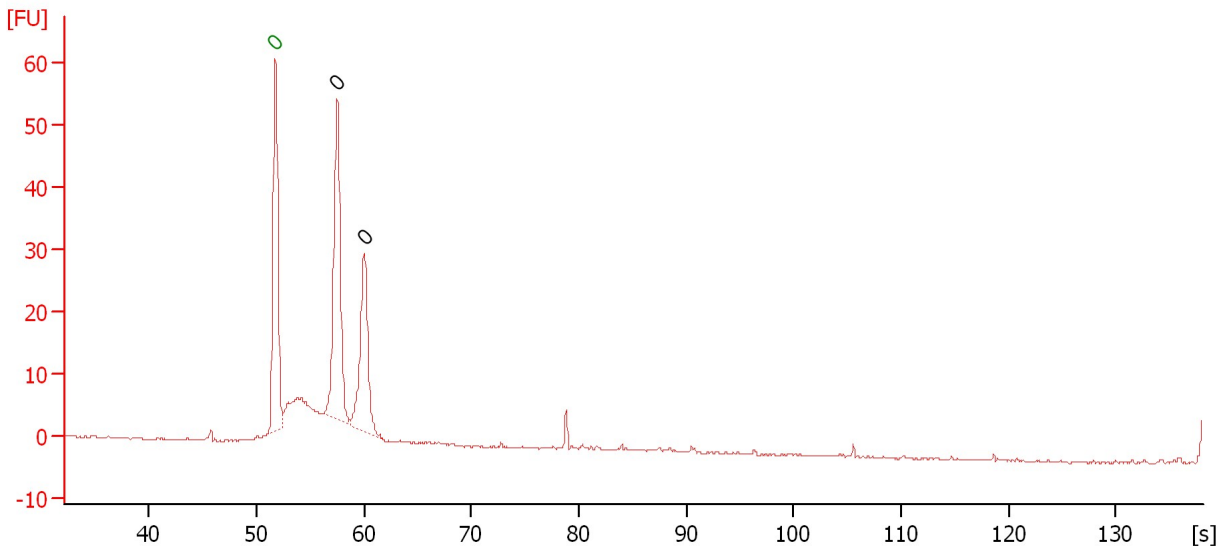
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	47.85	0	0.00	0.0	Lower Marker
2	48.80	0	0.00	0.0	
3	49.75	0	0.00	0.0	
4	51.30	0	0.00	0.0	
5	52.30	0	0.00	0.0	
6	54.50	0	0.00	0.0	
7	57.05	0	0.00	0.0	
8	58.00	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
Modified: 1/21/2014 3:19:14 PM

**Electropherogram Summary Continued ...**

2



**Overall Results for sample 9 : 2**

Number of peaks found: 2                      Noise: 0.2

**Peak table for sample 9 : 2**

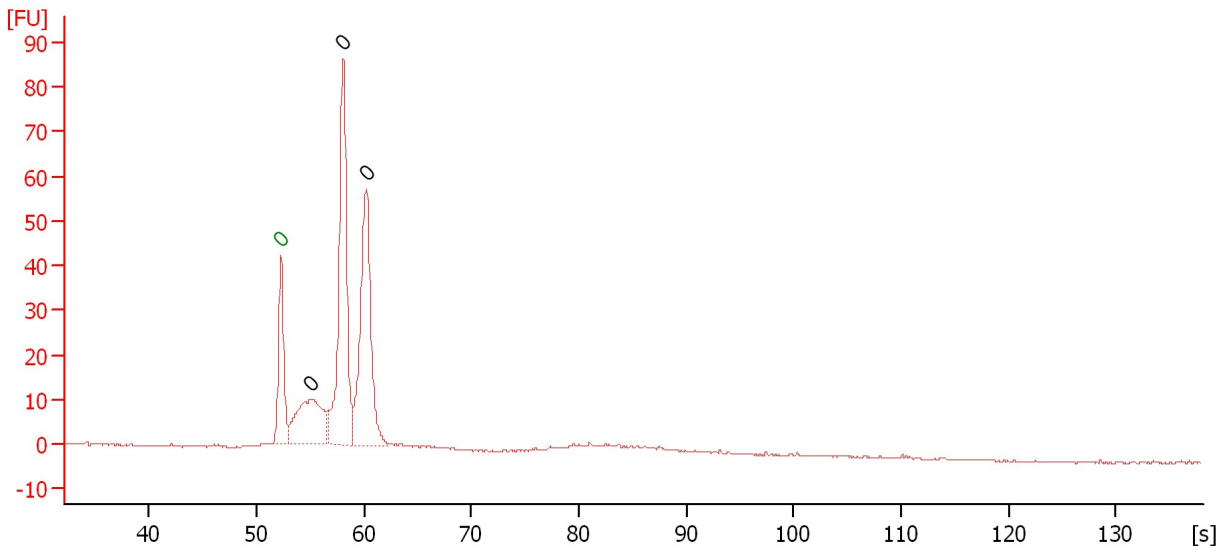
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	51.75	0	0.00	0.0	Lower Marker
2	57.50	0	0.00	0.0	
3	60.05	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
 Modified: 1/21/2014 3:19:14 PM

**Electropherogram Summary Continued ...**

1



**Overall Results for sample 10 : 1**

Number of peaks found: 3                      Noise: 0.2

**Peak table for sample 10 : 1**

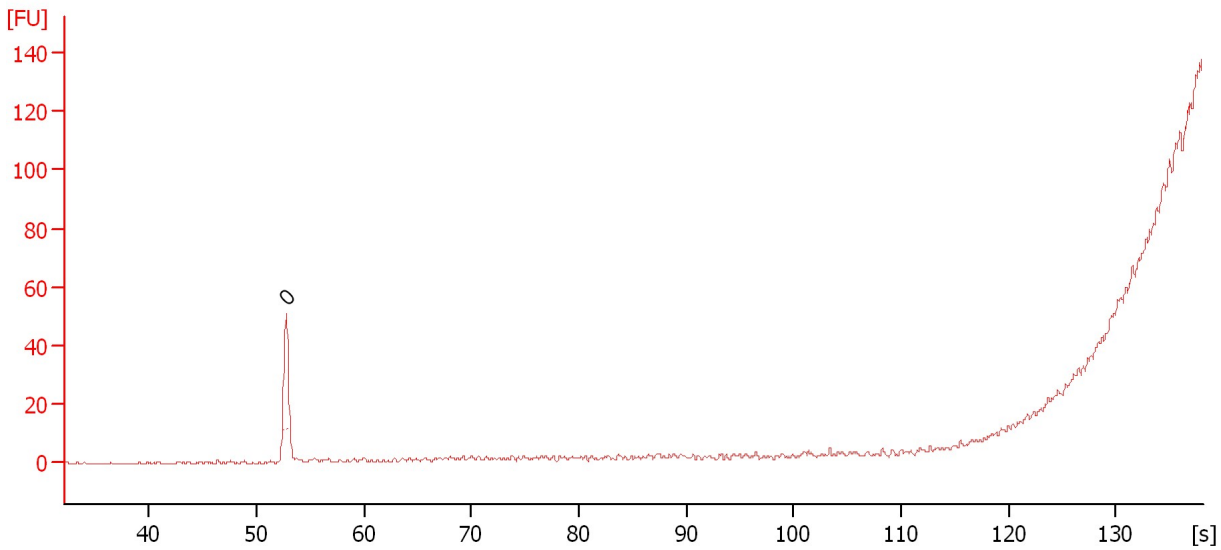
Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	52.30	0	0.00	0.0	Lower Marker
2	55.00	0	0.00	0.0	
3	58.05	0	0.00	0.0	
4	60.25	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
Modified: 1/21/2014 3:19:14 PM

**Electropherogram Summary Continued ...**

pful1:250



**Overall Results for sample 11 : pful1:250**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 11 : pful1:250**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	52.75	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-21\2014-01-21\_002.xad

Created: 1/21/2014 2:38:43 PM  
Modified: 1/21/2014 3:19:14 PM

**Gel Image**

