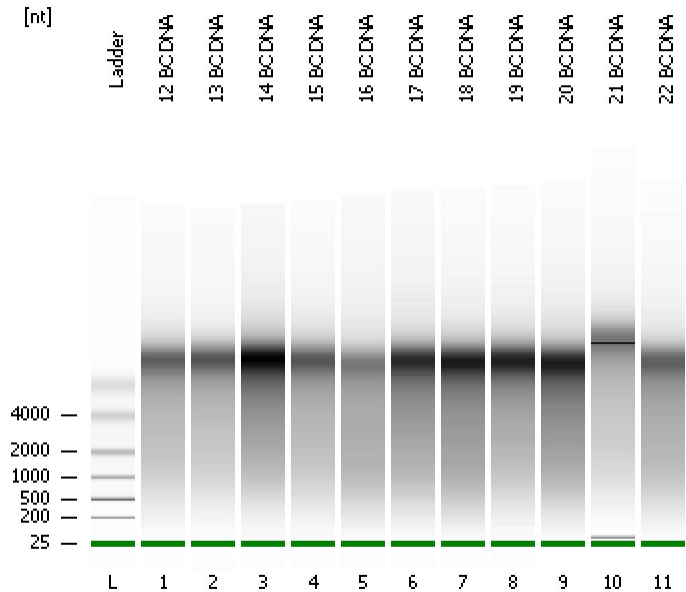


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 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\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

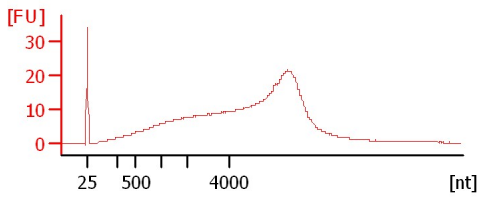
Assay Class: mRNA Pico  
Version: 2.6  
Assay Comments: mRNA Analysis pg sensitivity

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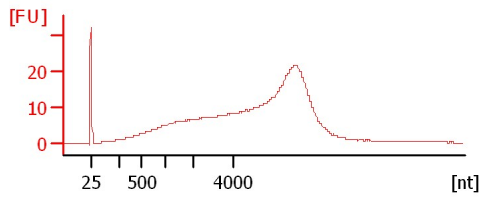
Chip Information:

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

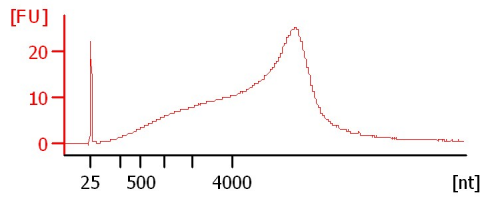
**12 BC DNA**



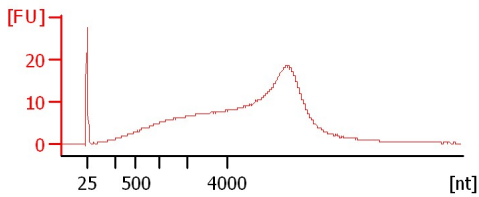
**13 BC DNA**



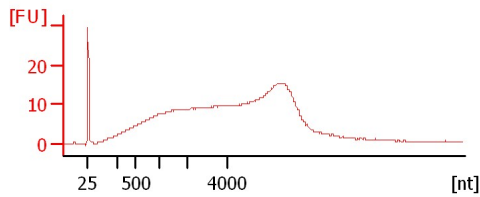
**14 BC DNA**



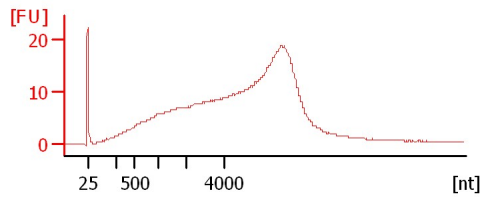
**15 BC DNA**



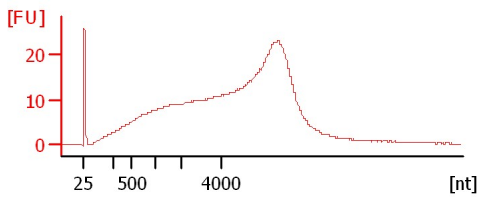
**16 BC DNA**



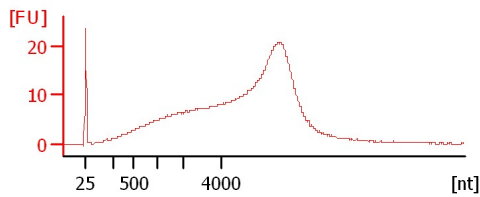
**17 BC DNA**



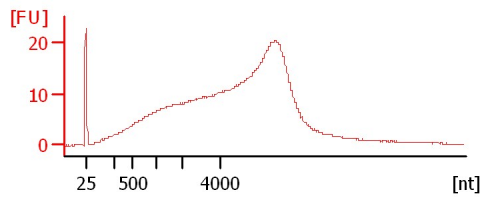
**18 BC DNA**



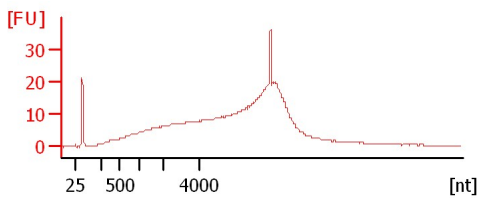
**19 BC DNA**



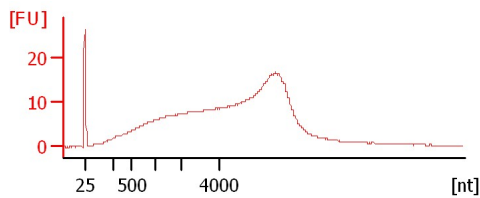
**20 BC DNA**



**21 BC DNA**



**22 BC DNA**



Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
12 BC DNA		✓		
13 BC DNA		✓		
14 BC DNA		✓		
15 BC DNA		✓		
16 BC DNA		✓		
17 BC DNA		✓		
18 BC DNA		✓		
19 BC DNA		✓		
20 BC DNA		✓		
21 BC DNA		✓		
22 BC DNA		✓		
Ladder		✓		

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 14  
Maximum Visible Range [s] : 85  
Start Analysis Time Range [s] : 15  
End Analysis Time Range [s] : 84  
Ladder Concentration [pg/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 15  
Integration End Time [s] : 84  
Slope Threshold : 0.2  
Height Threshold [FU] : 0.5  
Area Threshold : 0.1  
Width Threshold [s] : 0.2  
Baseline Plateau [s] : 0.5

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

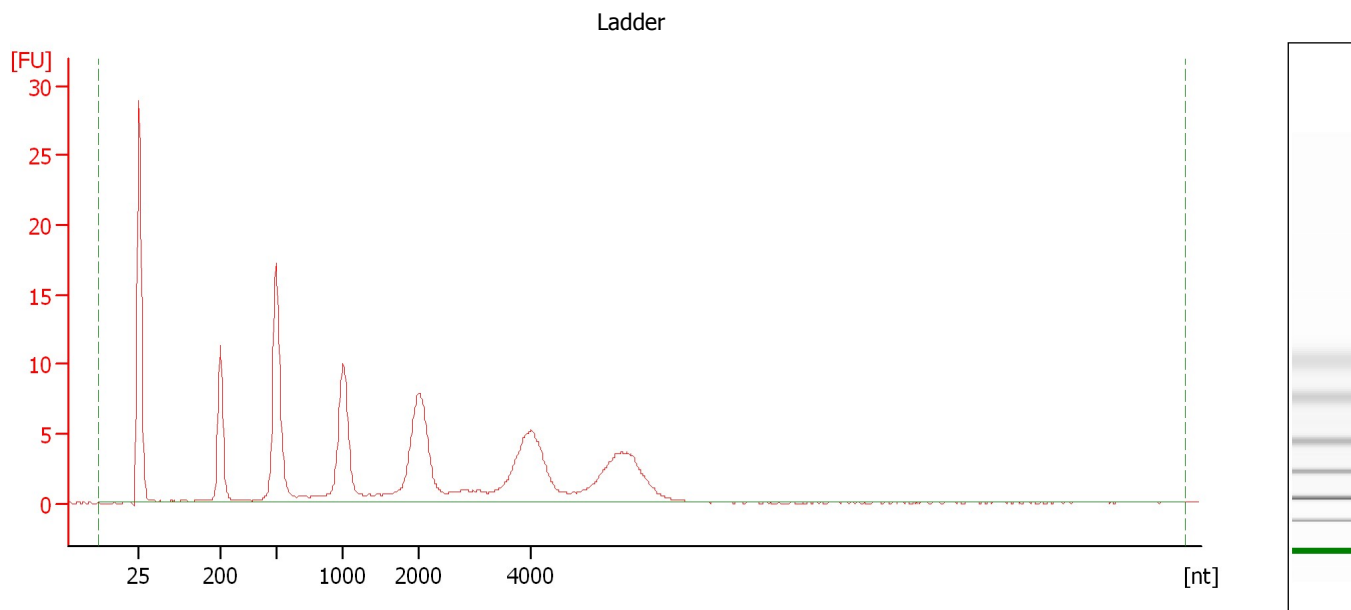
### Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary**



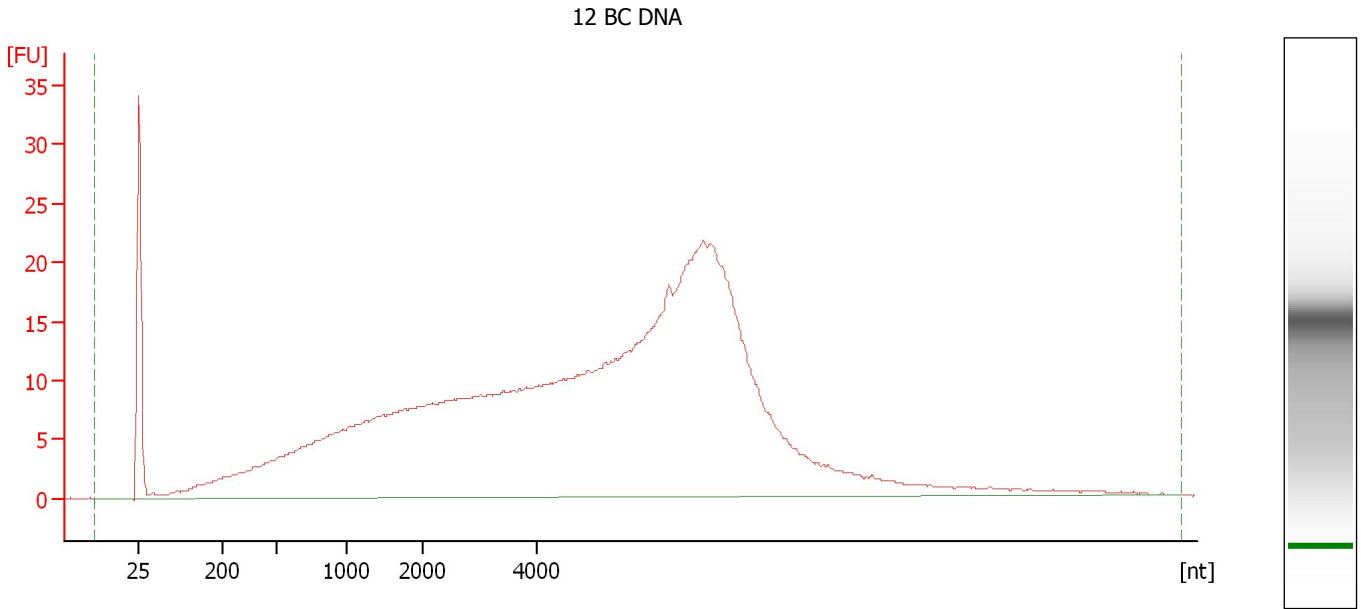
**Overall Results for Ladder**

RNA Area: 177.4                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



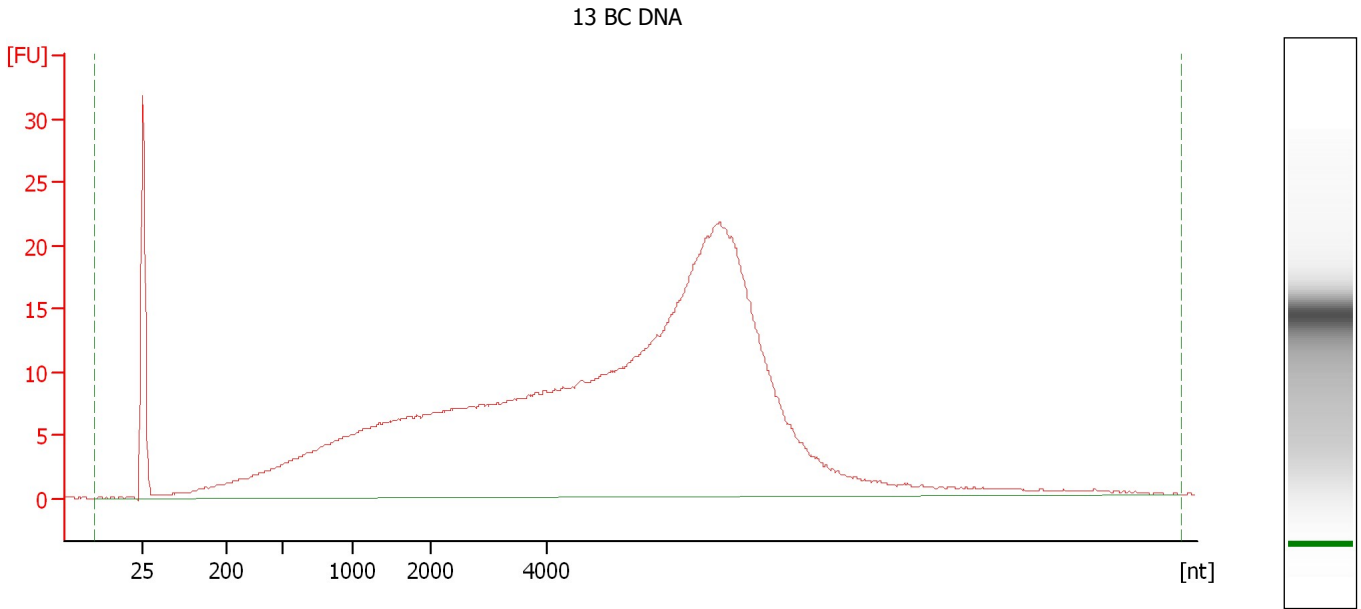
**Overall Results for sample 1 : 12 BC DNA**

RNA Area: 805.5                      rRNA Contamination: 0.0 %  
RNA Concentration: 4,540 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



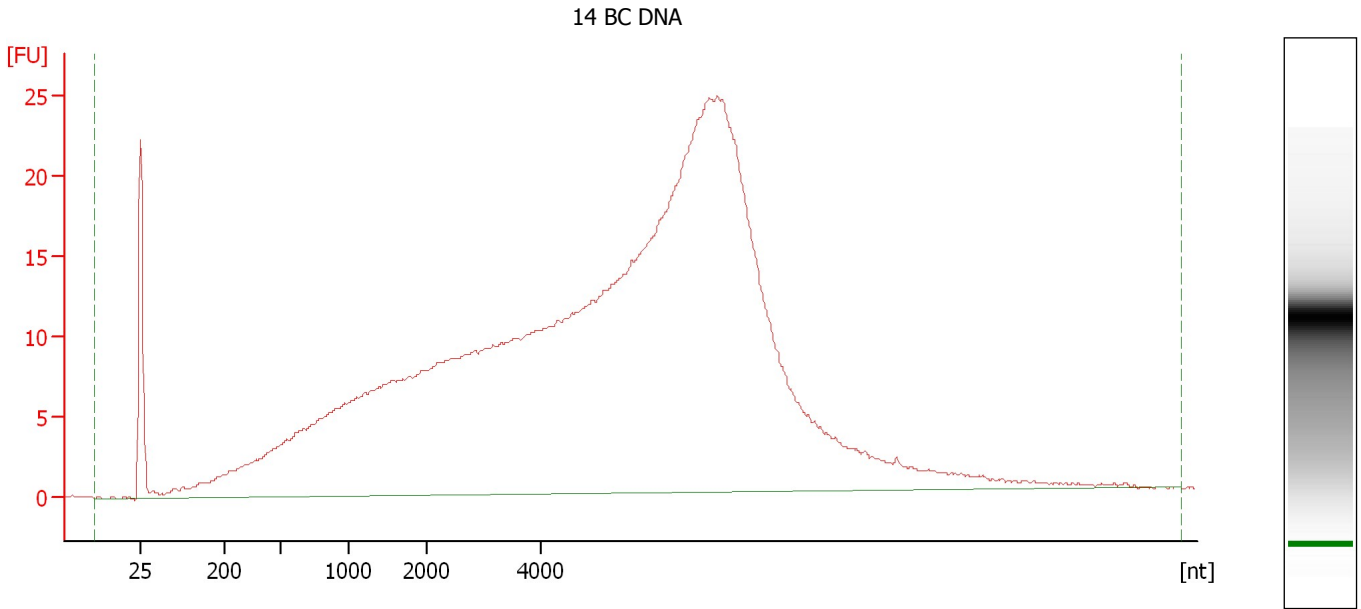
**Overall Results for sample 2 : 13 BC DNA**

RNA Area: 714.8                      rRNA Contamination: 0.0 %  
RNA Concentration: 4,029 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



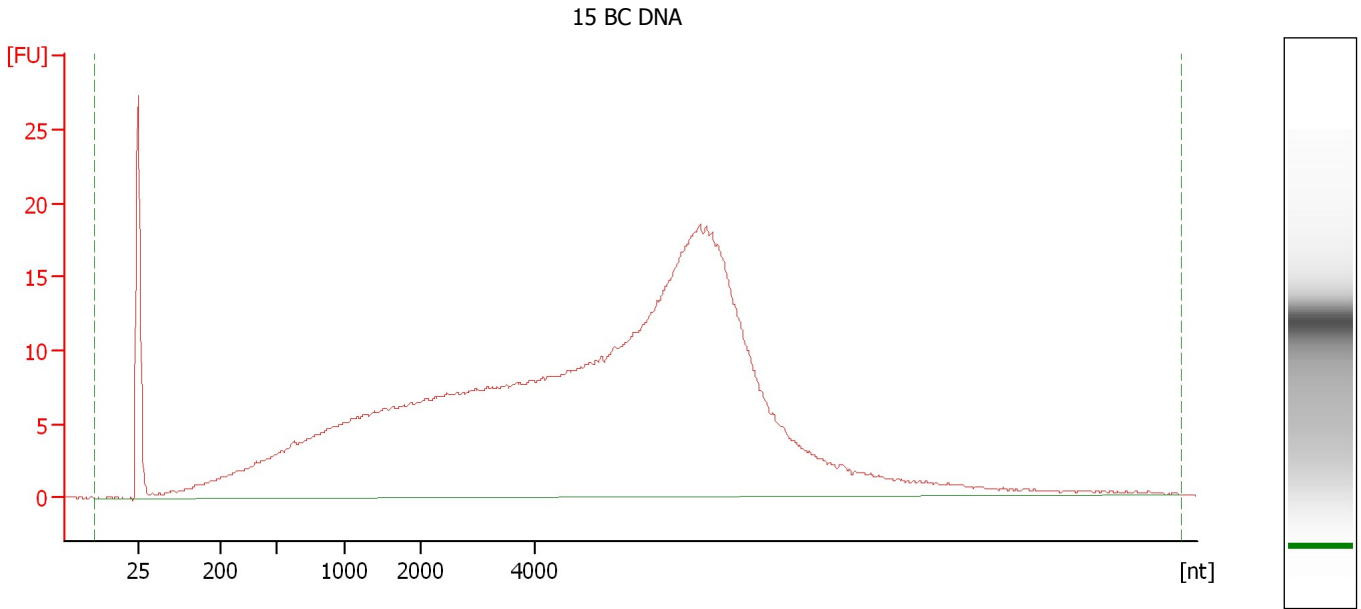
**Overall Results for sample 3 : 14 BC DNA**

RNA Area:	878.8	rRNA Contamination:	0.0 %
RNA Concentration:	4,953 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 15 BC DNA**

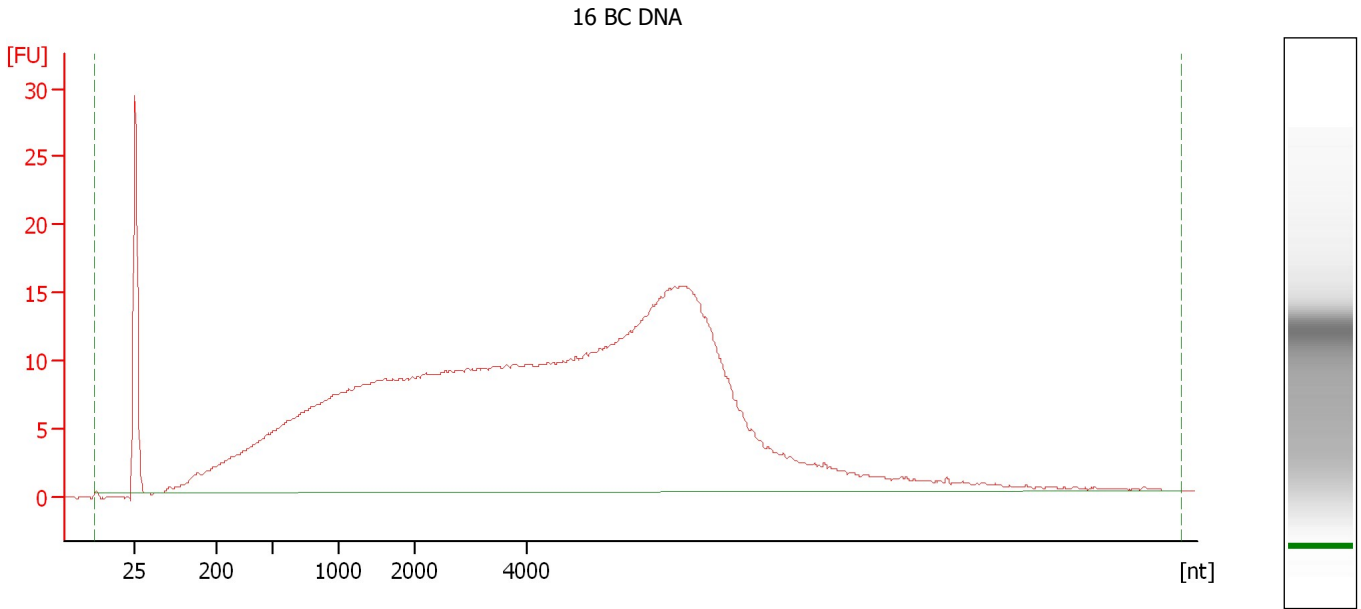
RNA Area:	688.1	rRNA Contamination:	0.0 %
RNA Concentration:	3,879 pg/μl		



Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



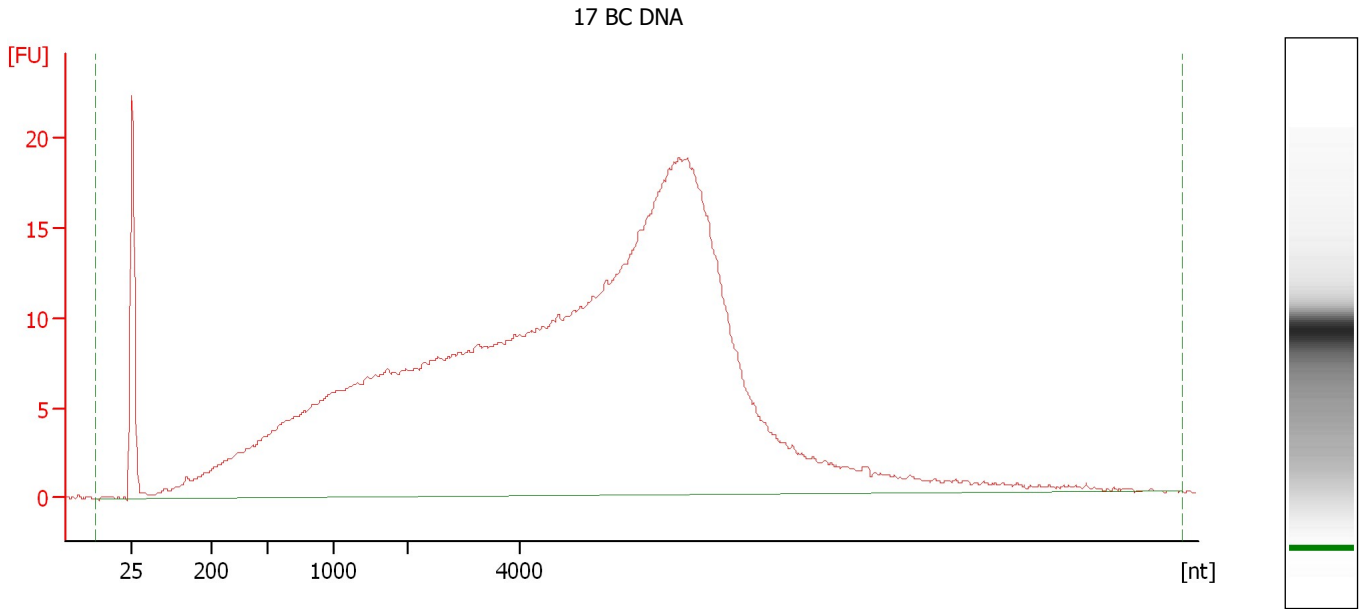
**Overall Results for sample 5 : 16 BC DNA**

RNA Area:	769.6	rRNA Contamination:	0.0 %
RNA Concentration:	4,338 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



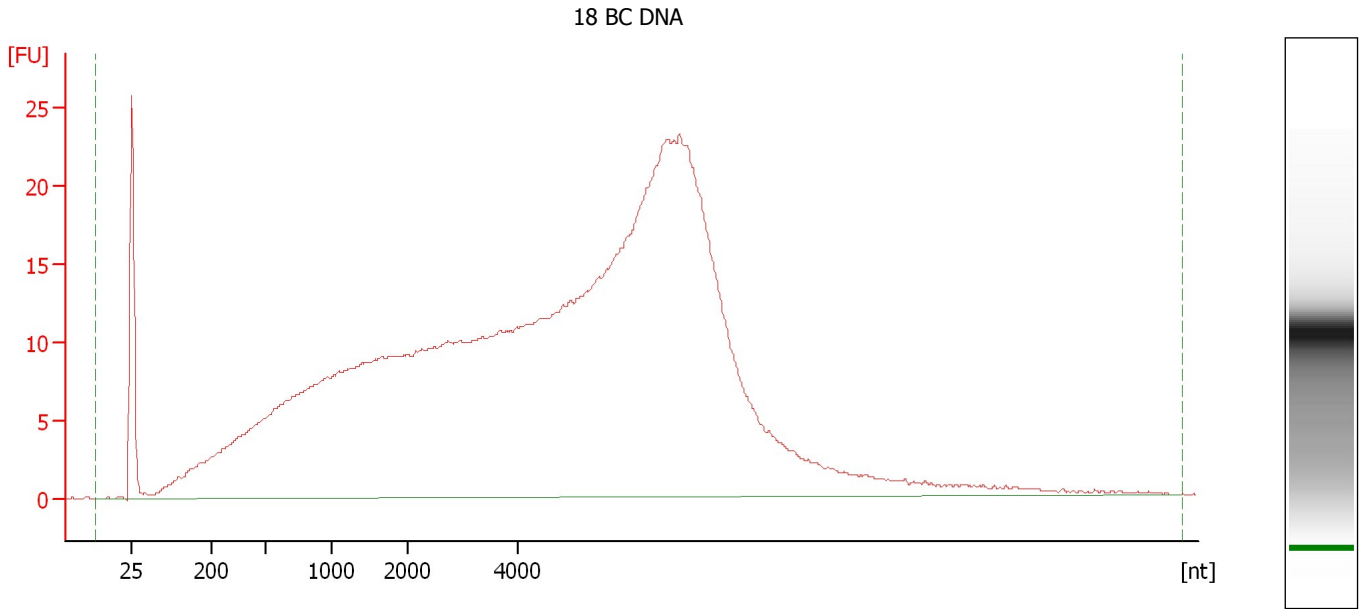
**Overall Results for sample 6 : 17 BC DNA**

RNA Area:	753.3	rRNA Contamination:	0.0 %
RNA Concentration:	4,246 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



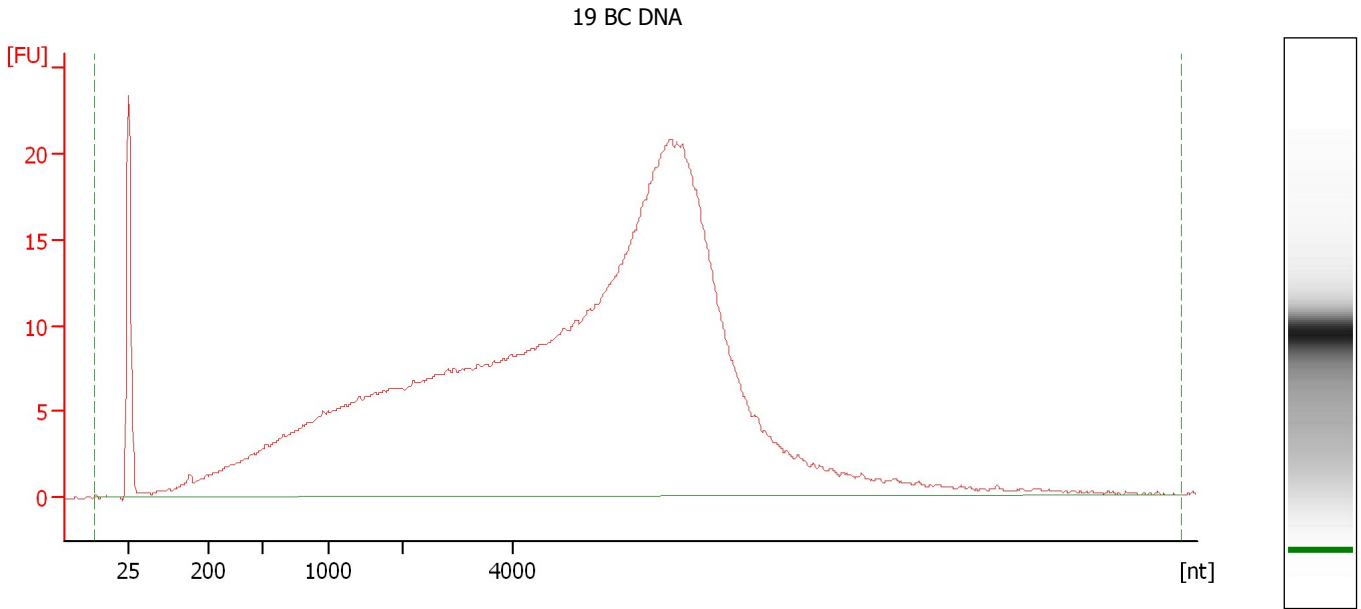
**Overall Results for sample 7 : 18 BC DNA**

RNA Area: 960.5                      rRNA Contamination: 0.0 %  
RNA Concentration: 5,414 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



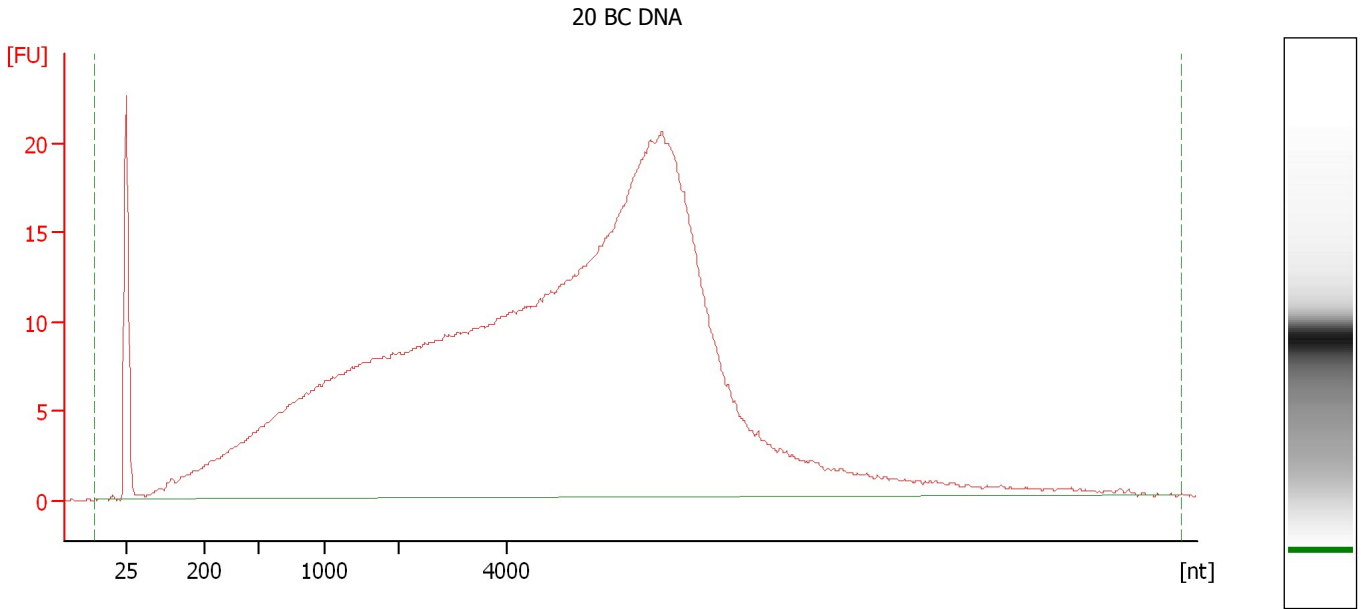
**Overall Results for sample 8 : 19 BC DNA**

RNA Area:	715.3	rRNA Contamination:	0.0 %
RNA Concentration:	4,031 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



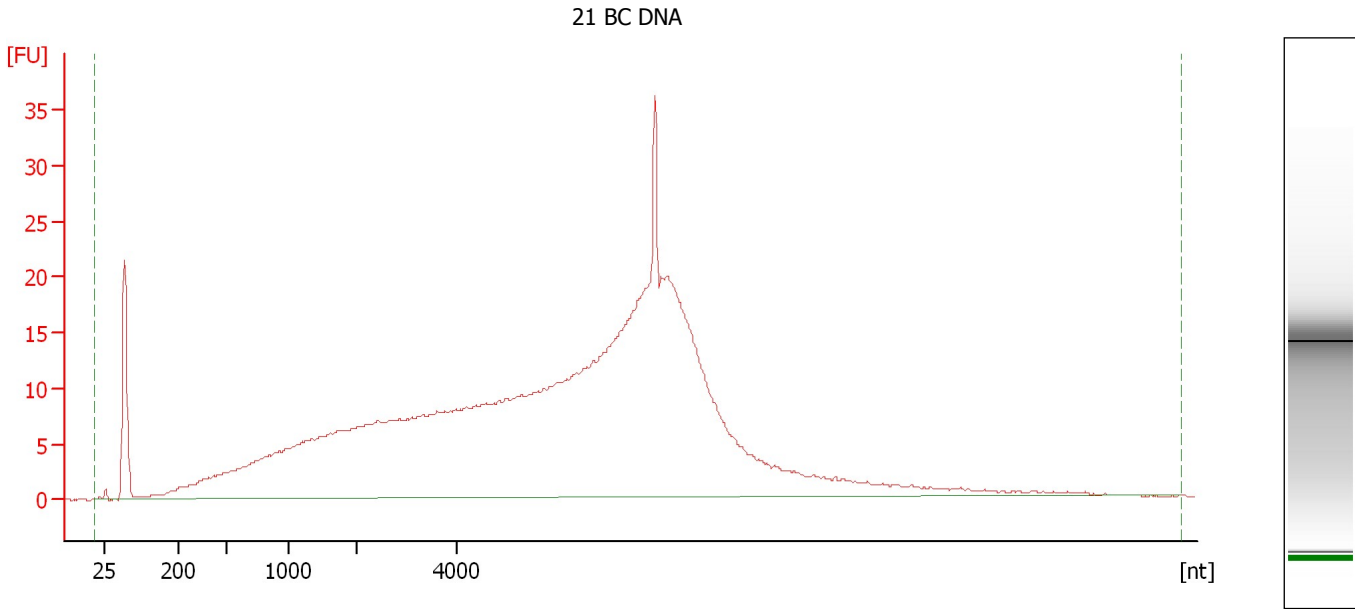
**Overall Results for sample 9 : 20 BC DNA**

RNA Area:	844.0	rRNA Contamination:	0.0 %
RNA Concentration:	4,757 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



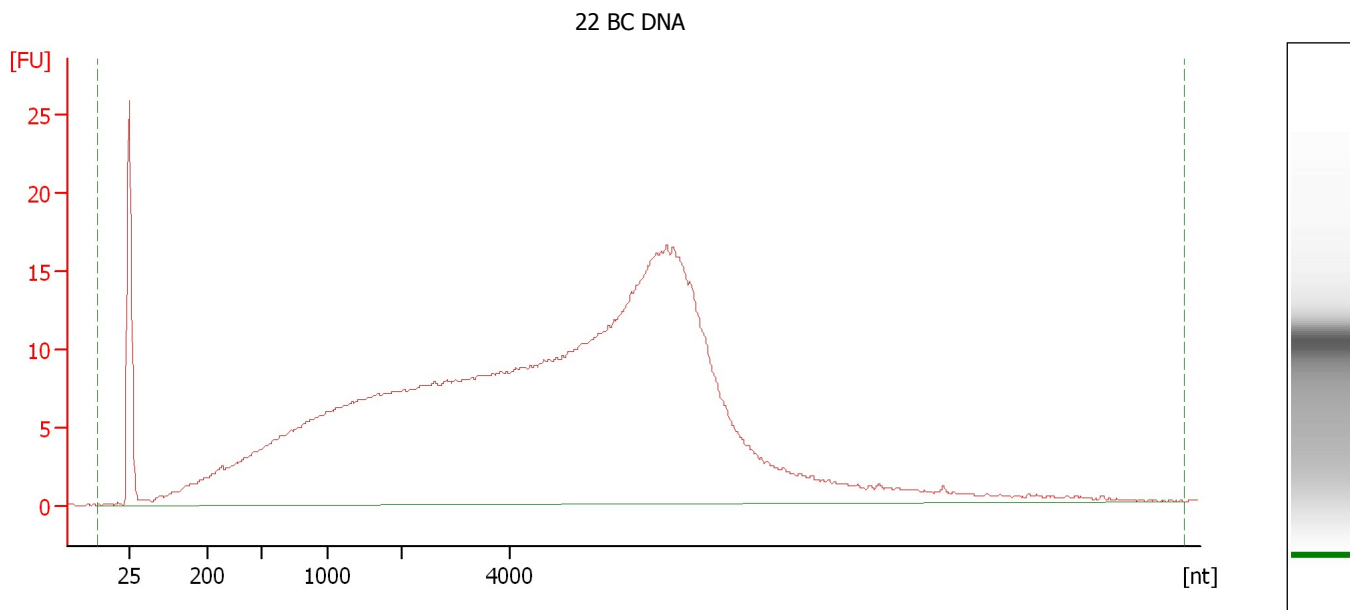
**Overall Results for sample 10 : 21 BC DNA**

RNA Area:	808.3	rRNA Contamination:	0.0 %
RNA Concentration:	4,556 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 22 BC DNA**

RNA Area: 721.0                      rRNA Contamination: 0.0 %  
RNA Concentration: 4,064 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-15\2018-06-15\_002.xad

Created: 6/15/2018 10:37:56 AM  
Modified: 6/15/2018 1:30:07 PM

**Gel Image**

