

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electrophoresis File Run Summary**

Instrument Information:

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

Assay Information:

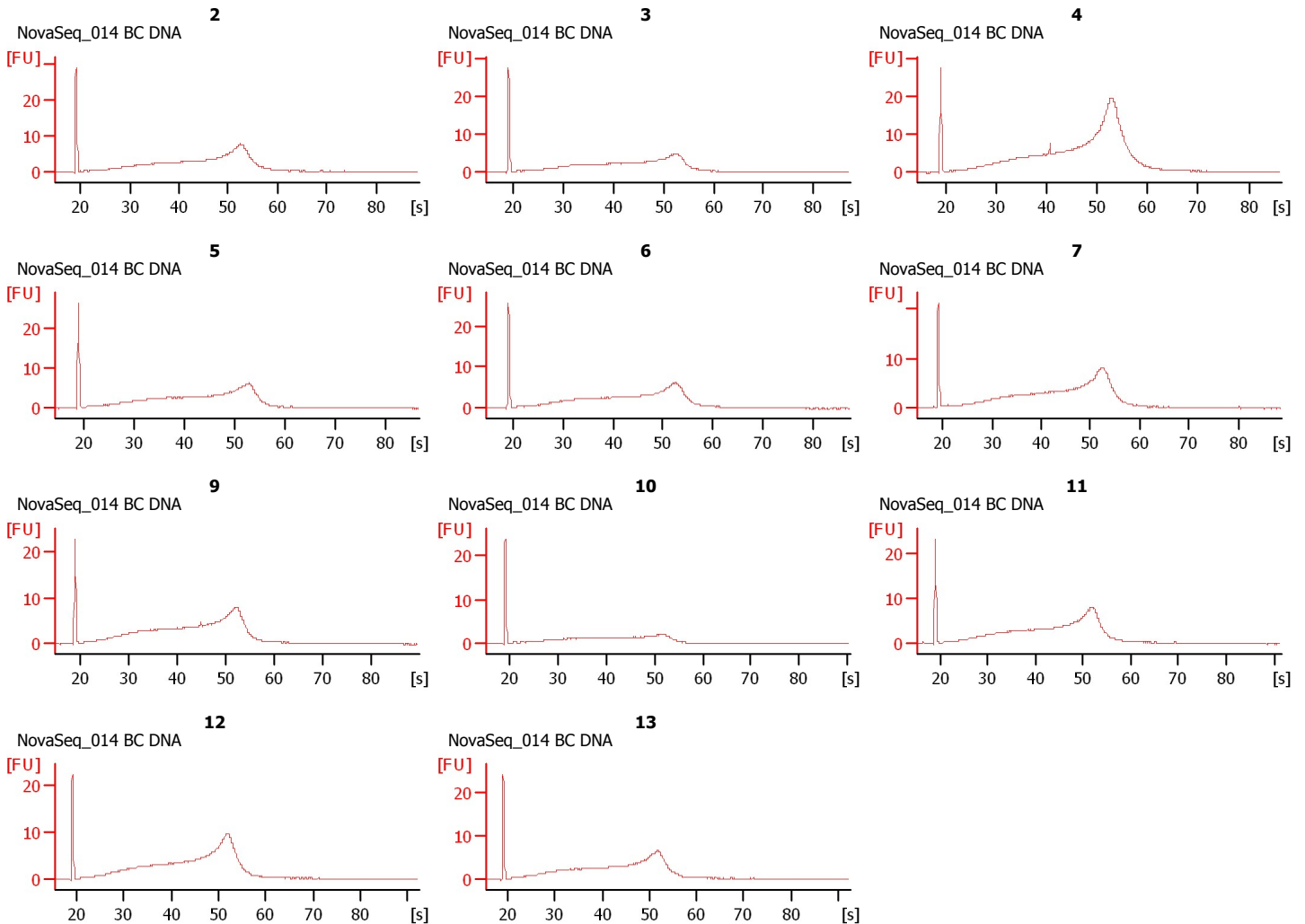
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
2	NovaSeq_014 BC DNA	✓		
3	NovaSeq_014 BC DNA	✓		
4	NovaSeq_014 BC DNA	✓		
5	NovaSeq_014 BC DNA	✓		
6	NovaSeq_014 BC DNA	✓		
7	NovaSeq_014 BC DNA	✓		
9	NovaSeq_014 BC DNA	✓		
10	NovaSeq_014 BC DNA	✓		
11	NovaSeq_014 BC DNA	✓		
12	NovaSeq_014 BC DNA	✓		
13	NovaSeq_014 BC DNA	✓		
Ladder		✓		

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

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 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

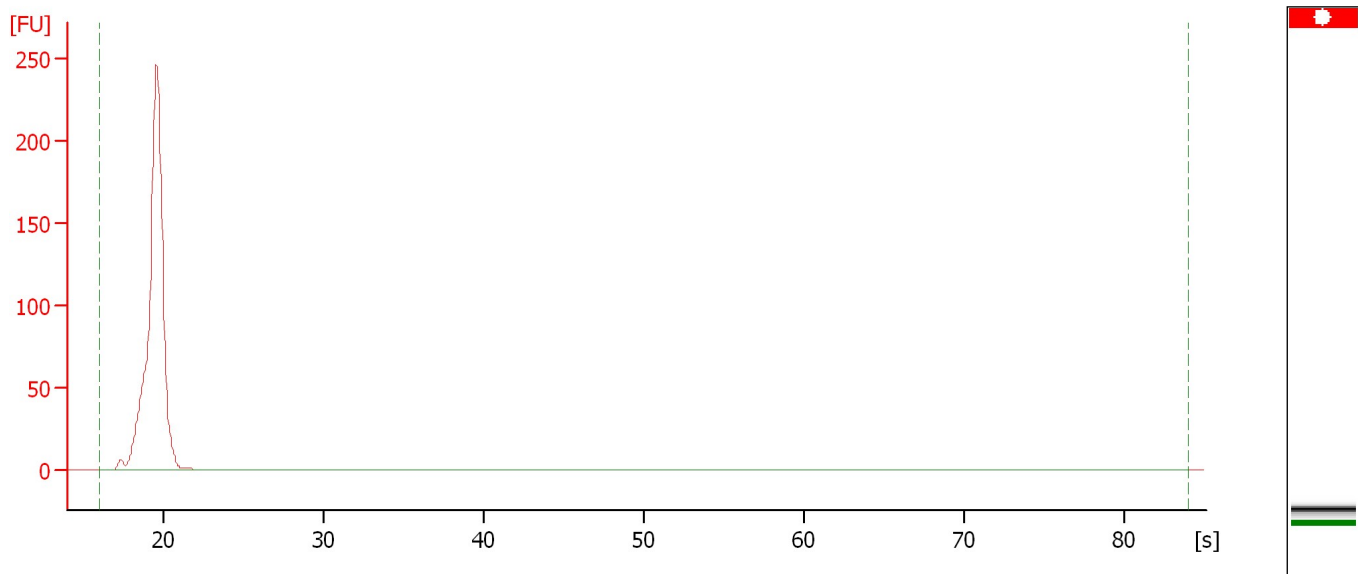
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary**

Ladder



**Overall Results for Ladder**

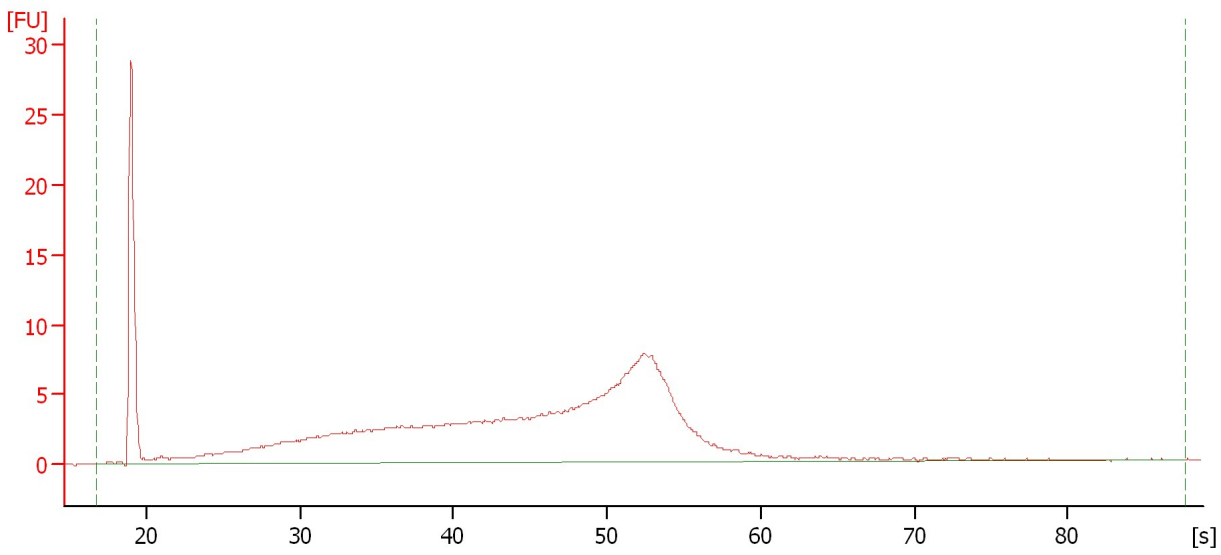
RNA Area: 1,258.2                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

2 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 1 : 2**

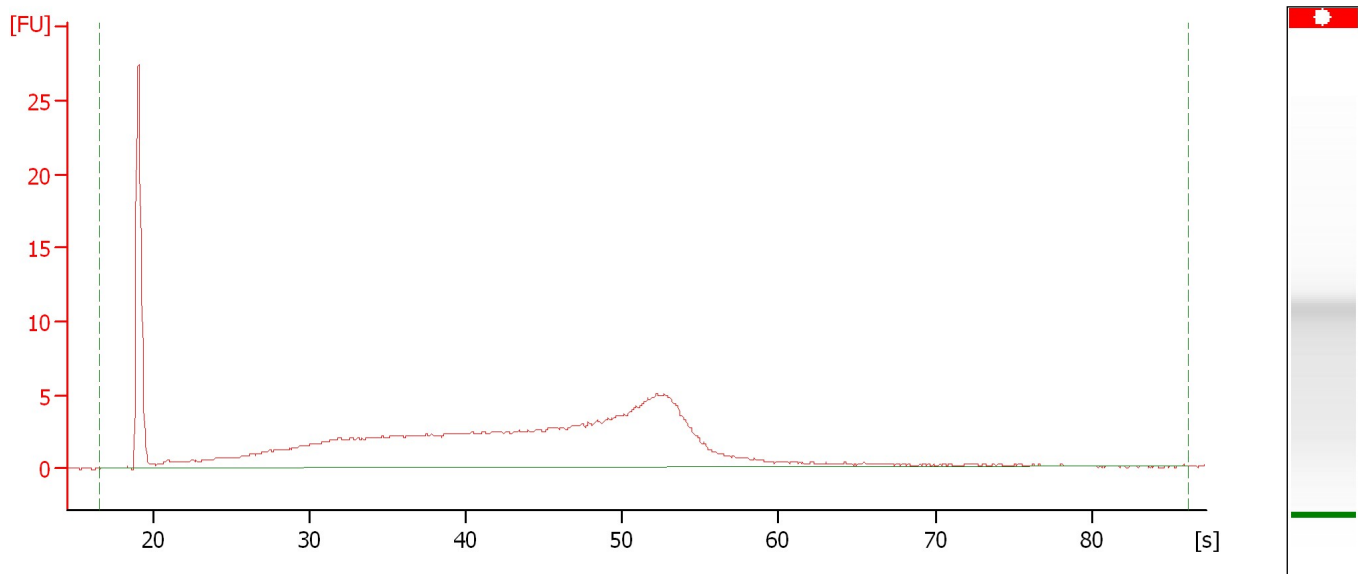
RNA Area: 245.0                      rRNA Contamination: 0.0 %  
RNA Concentration: 195 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

3 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 2 : 3**

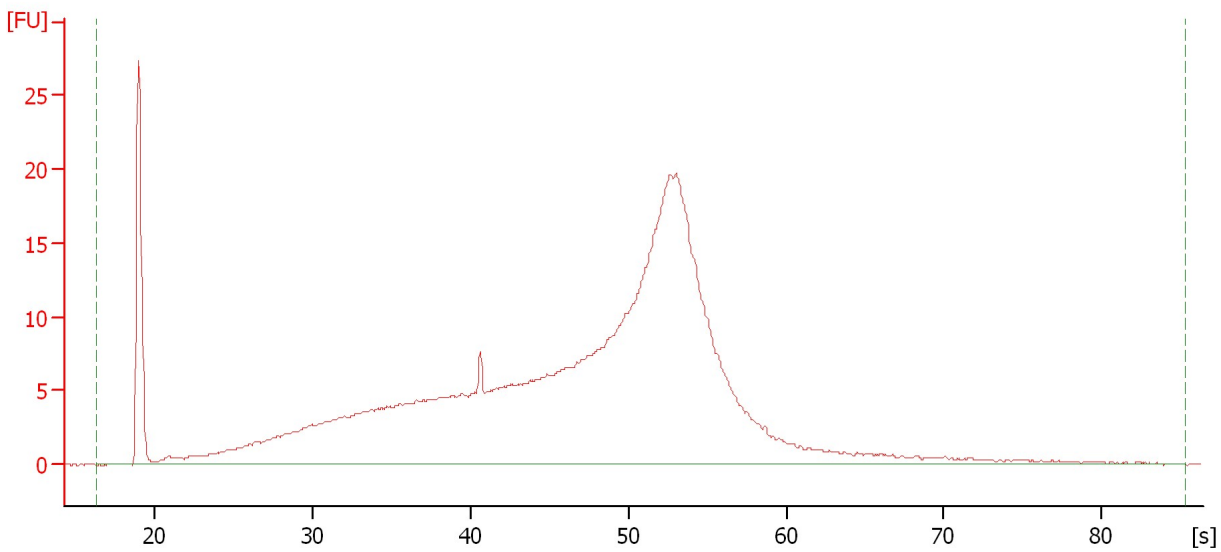
RNA Area: 199.7                      rRNA Contamination: 0.0 %  
RNA Concentration: 159 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

4 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 3 : 4**

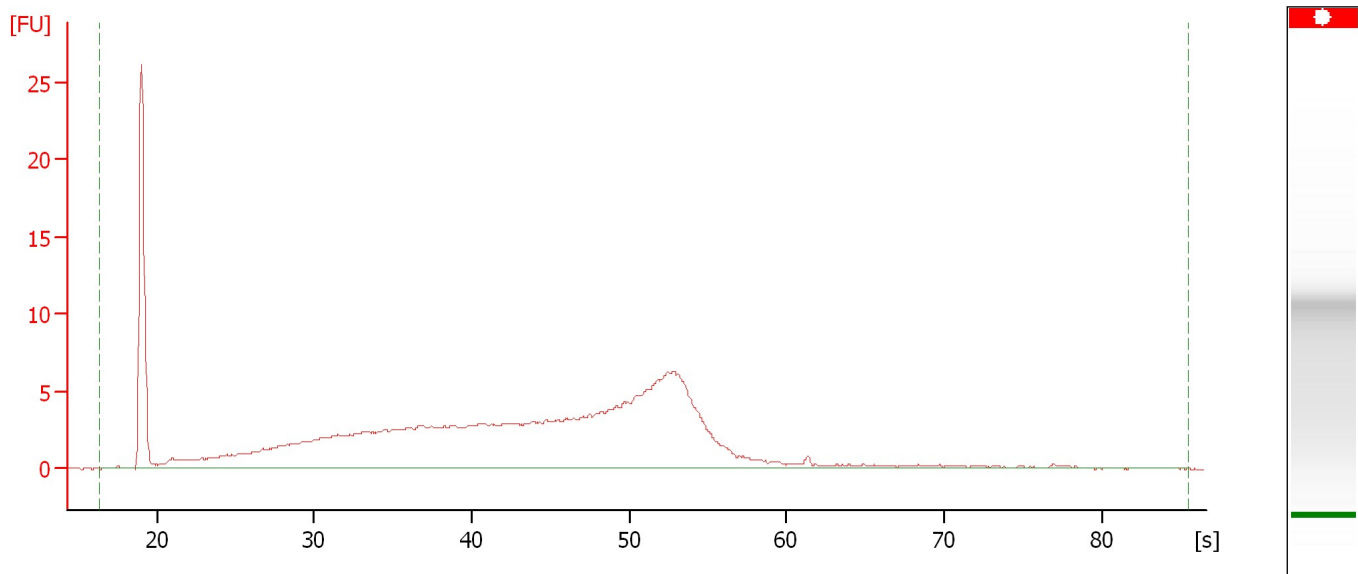
RNA Area:	495.1	rRNA Contamination:	0.0 %
RNA Concentration:	393 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

5 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 4 : 5**

RNA Area: 231.0                      rRNA Contamination: 0.0 %  
RNA Concentration: 184 pg/μl

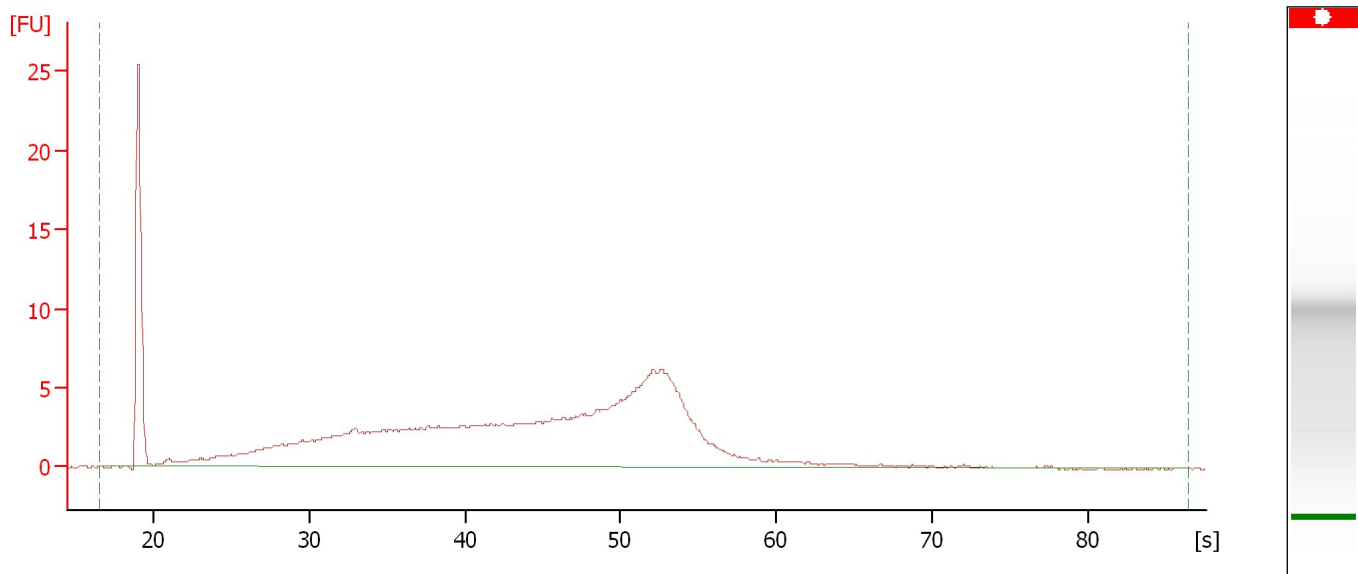


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

6 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 5 : 6**

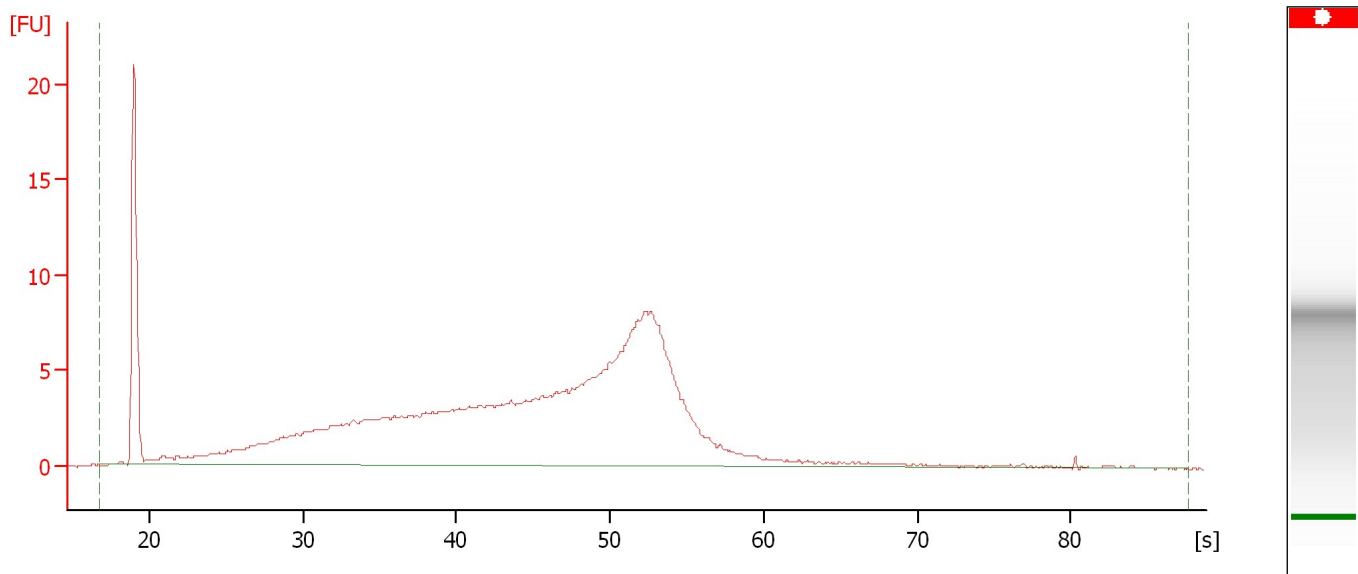
RNA Area: 221.3                      rRNA Contamination: 0.0 %  
RNA Concentration: 176 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

7 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 6 : 7**

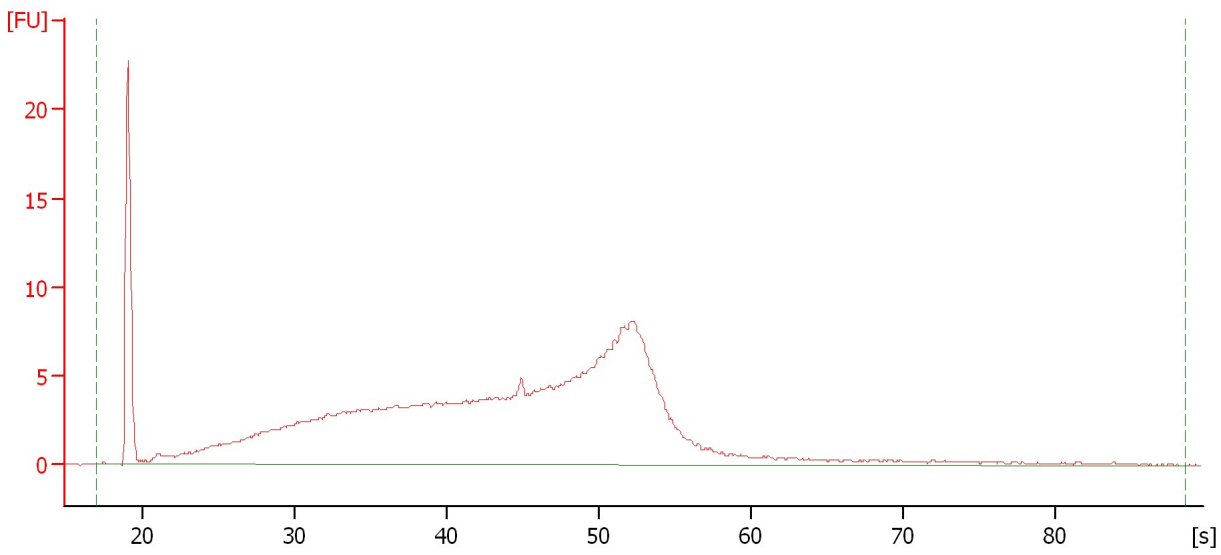
RNA Area: 258.3                      rRNA Contamination: 0.0 %  
RNA Concentration: 205 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

9 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 7 : 9**

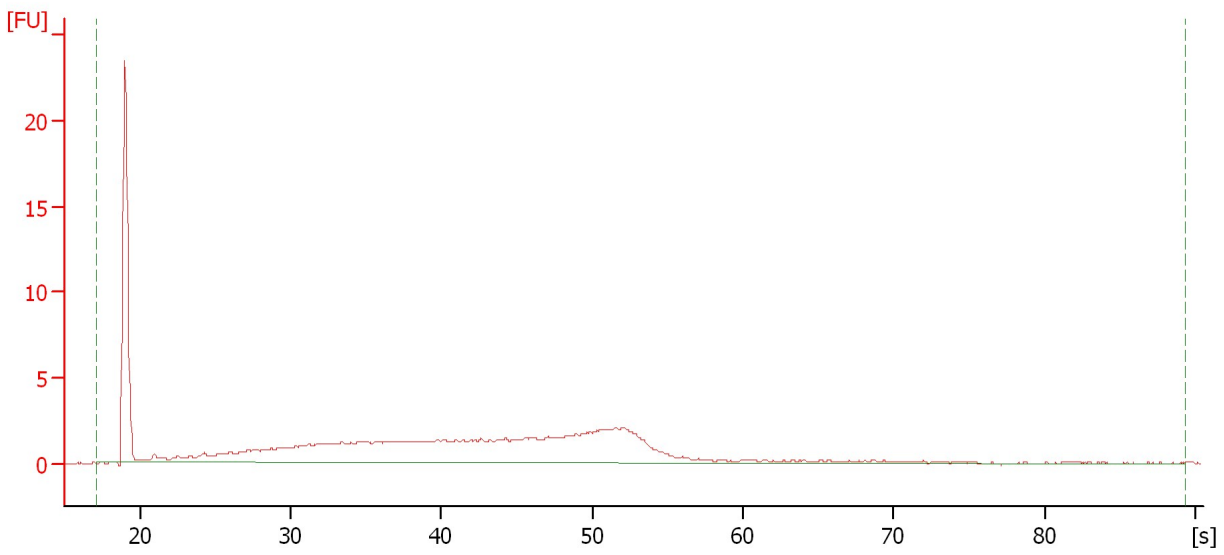
RNA Area:	299.6	rRNA Contamination:	0.0 %
RNA Concentration:	238 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

10 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 8 : 10**

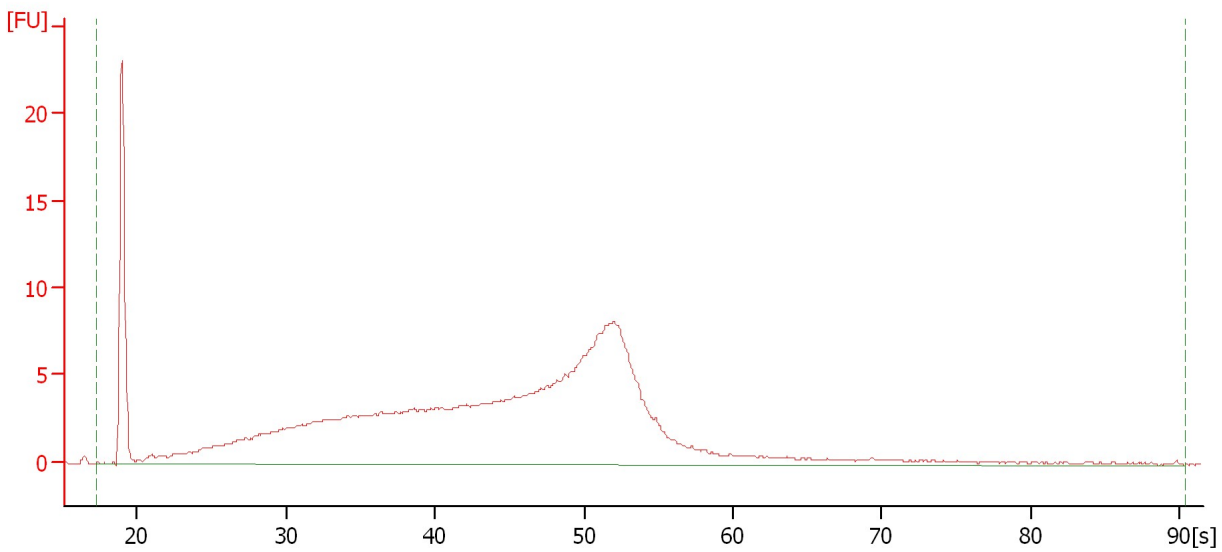
RNA Area:	101.3	rRNA Contamination:	0.0 %
RNA Concentration:	80 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

11 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 9 : 11**

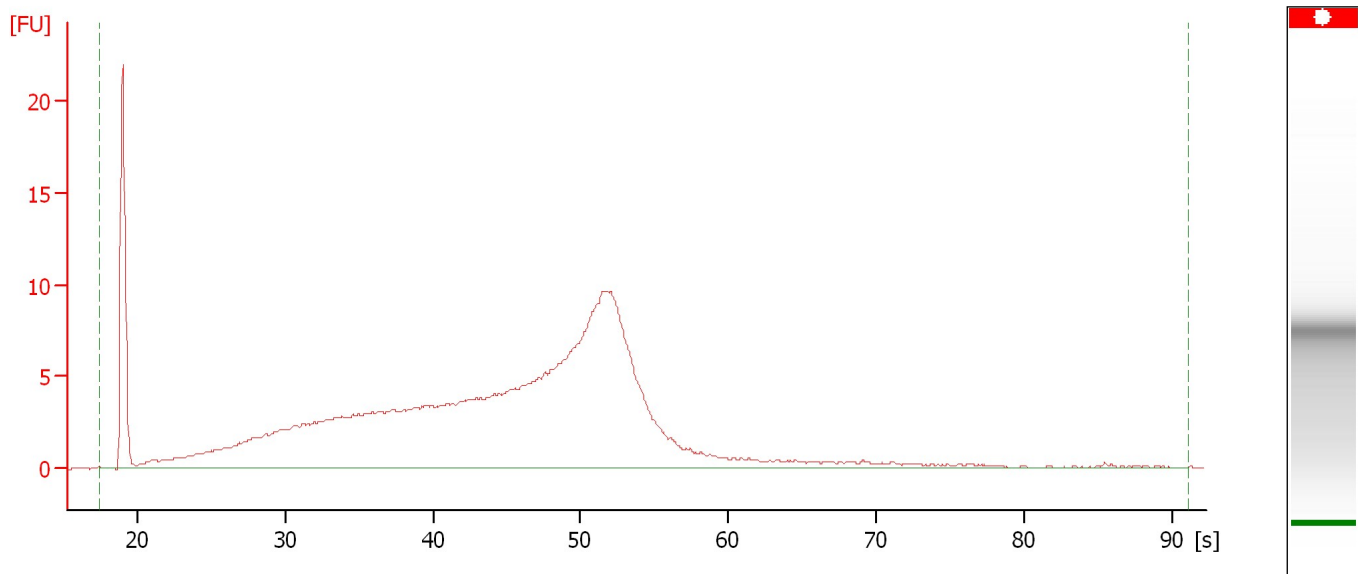
RNA Area:	277.2	rRNA Contamination:	0.0 %
RNA Concentration:	220 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

12 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 10 : 12**

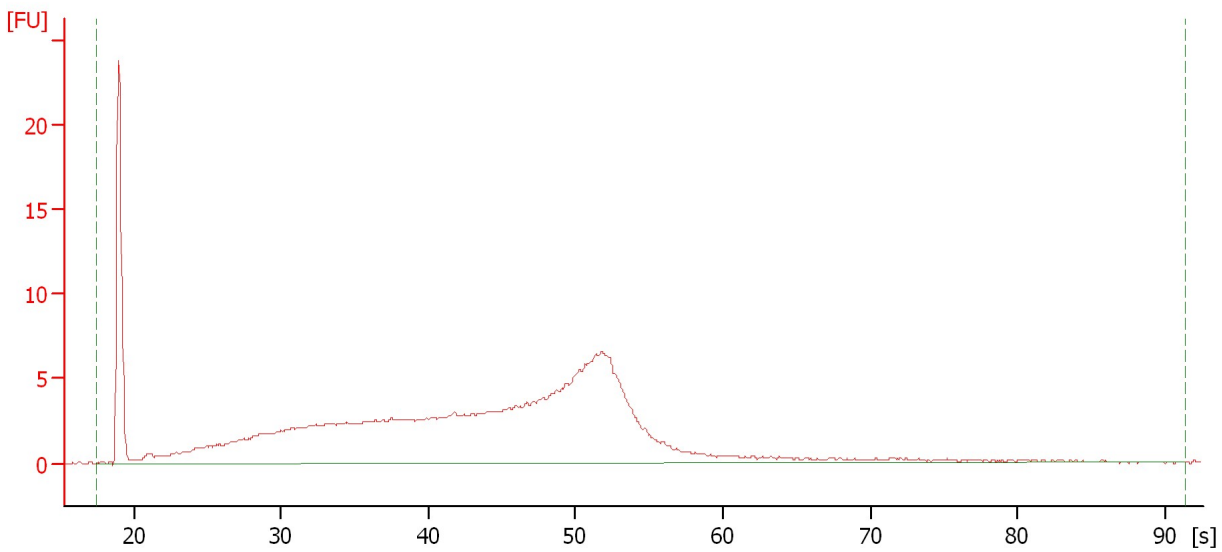
RNA Area: 298.1                      rRNA Contamination: 0.0 %  
RNA Concentration: 237 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Electropherogram Summary Continued ...**

13 [ NovaSeq\_014 BC DNA ]



**Overall Results for sample 11 : 13**

RNA Area:	236.7	rRNA Contamination:	0.0 %
RNA Concentration:	188 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29\_003.xad

Created: 1/29/2019 4:40:26 PM  
Modified: 1/29/2019 5:06:19 PM

**Gel Image**