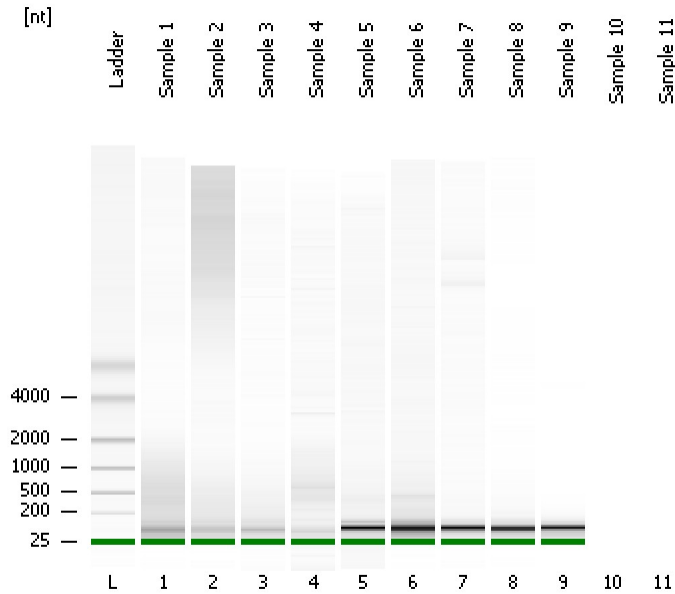


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**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\RNA\mRNA Pico Series II.xsy

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

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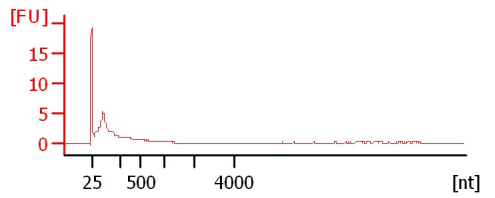
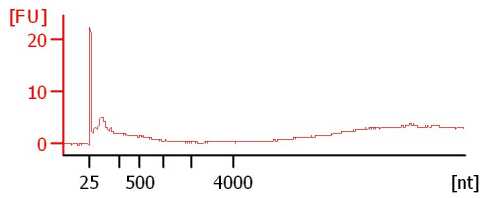
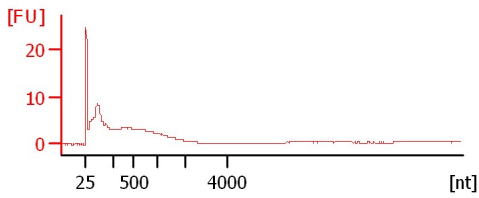
Chip Information:

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

**Sample 1**

**Sample 2**

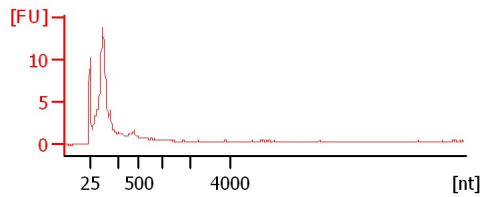
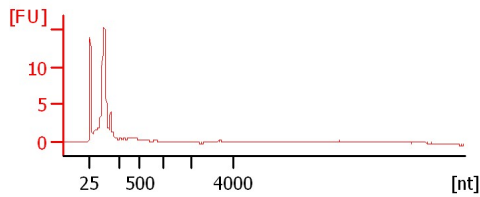
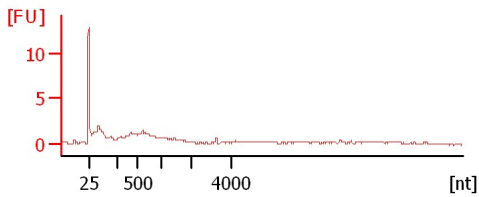
**Sample 3**



**Sample 4**

**Sample 5**

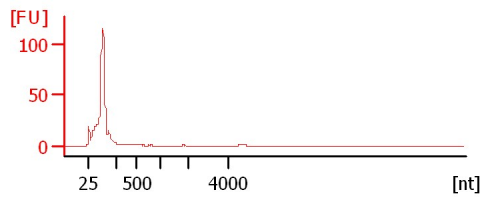
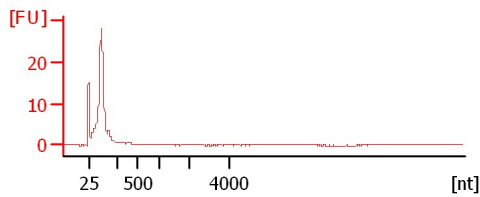
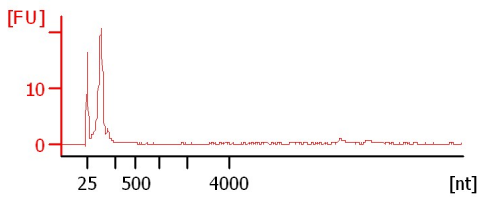
**Sample 6**



**Sample 7**

**Sample 8**

**Sample 9**



Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

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

Sample Name	Sample Comment	Status	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: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

## 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

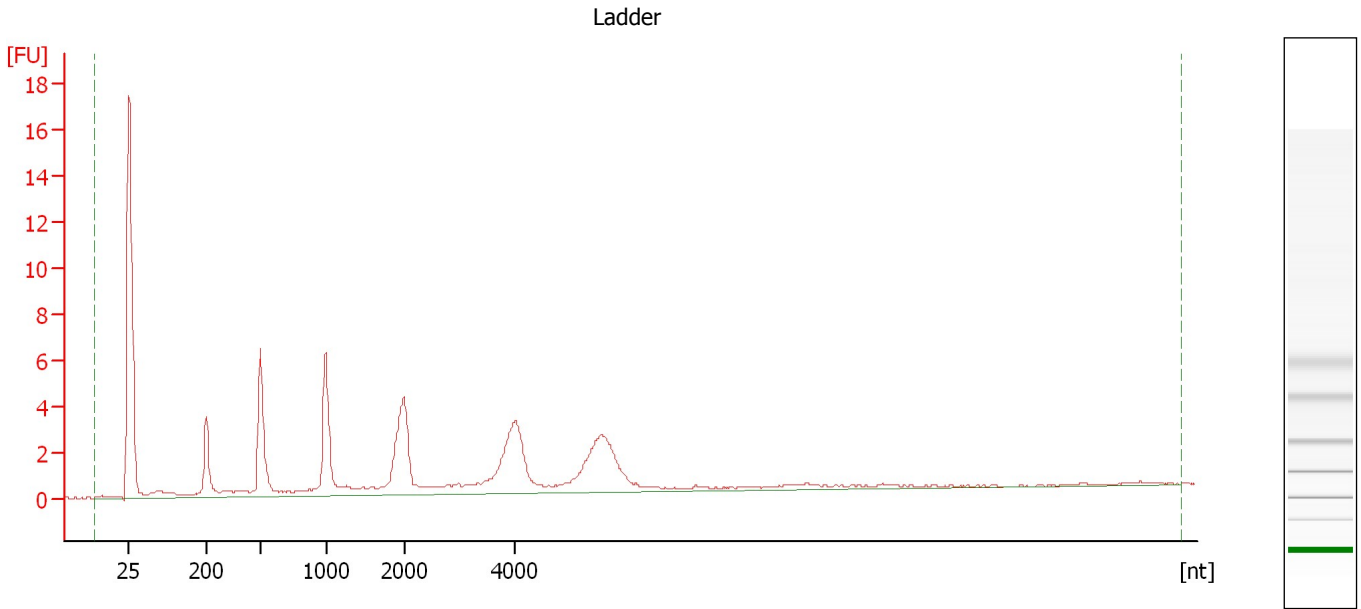
### Ladder

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\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary**



**Overall Results for Ladder**

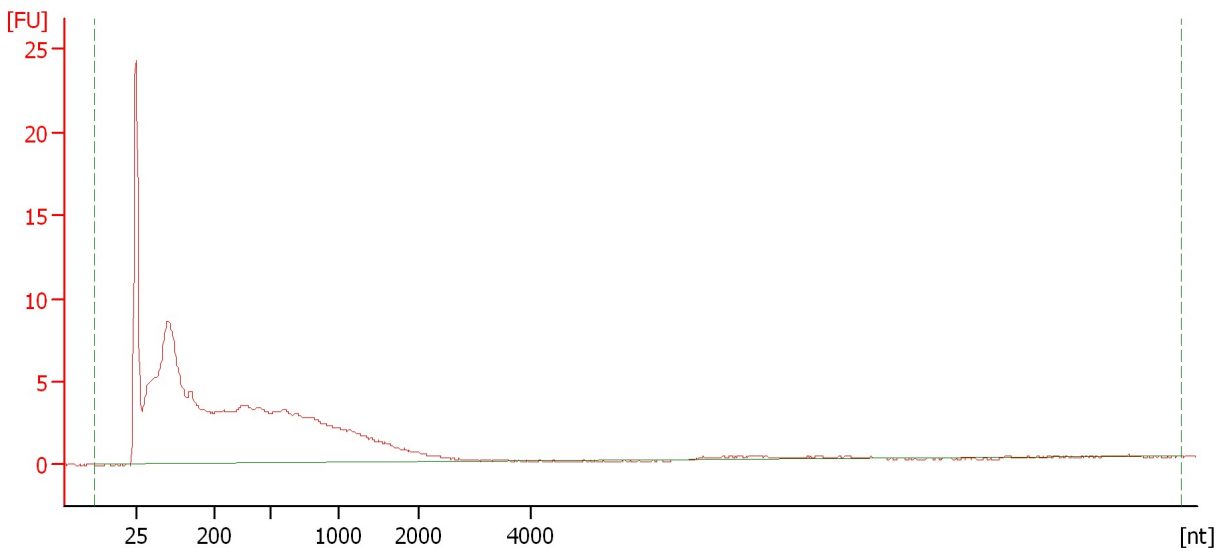
RNA Area: 81.5                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 1



**Overall Results for sample 1 : Sample 1**

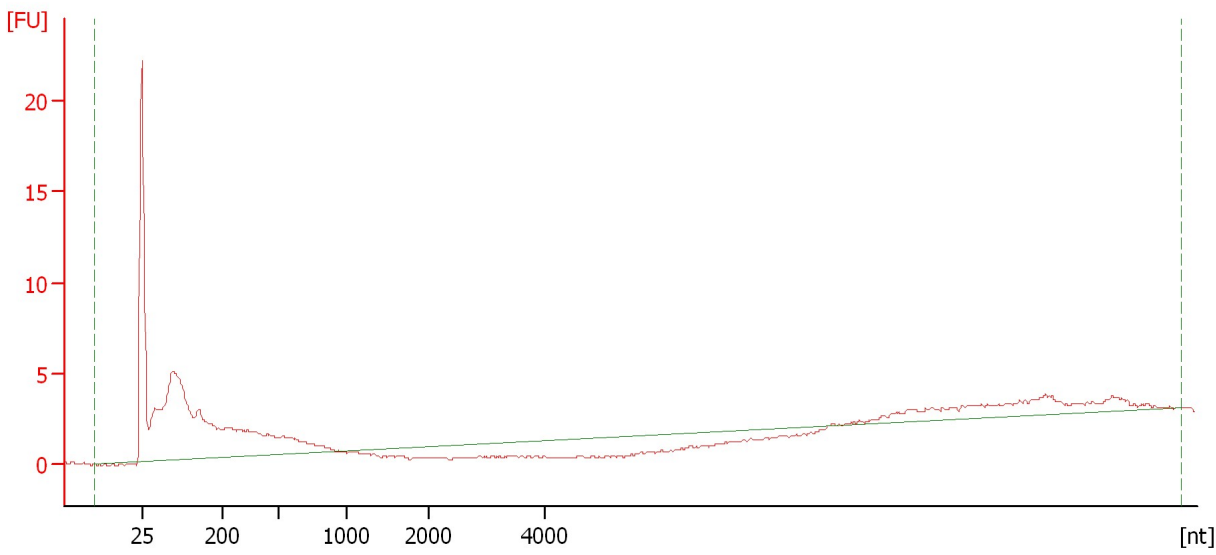
RNA Area:	216.2	rRNA Contamination:	0.0 %
RNA Concentration:	2,654 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 2



**Overall Results for sample 2 : Sample 2**

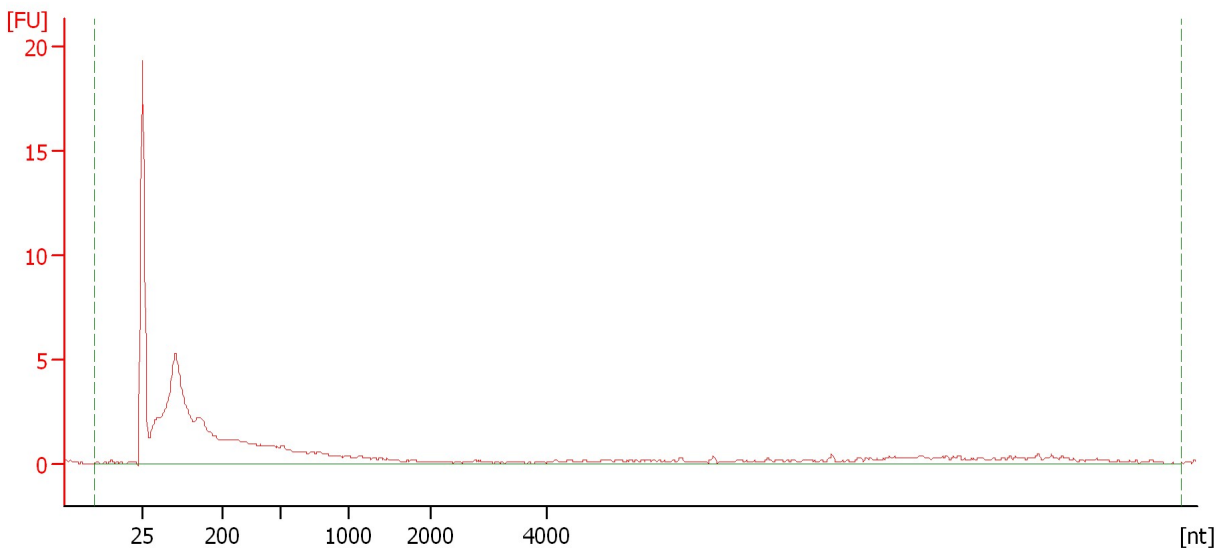
RNA Area:	102.6	rRNA Contamination:	0.0 %
RNA Concentration:	1,259 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 3



**Overall Results for sample 3 : Sample 3**

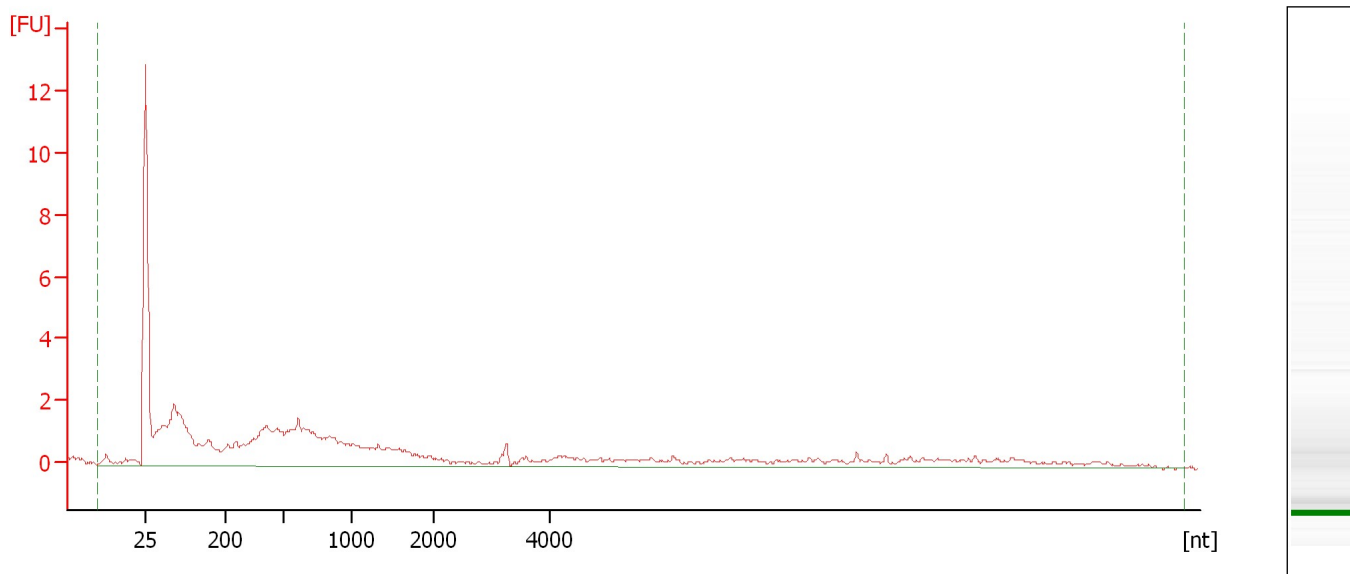
RNA Area:	88.0	rRNA Contamination:	0.0 %
RNA Concentration:	1,081 pg/μl		

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 4



**Overall Results for sample 4 : Sample 4**

RNA Area: 72.3                      rRNA Contamination: 0.0 %  
RNA Concentration: 887 pg/μl

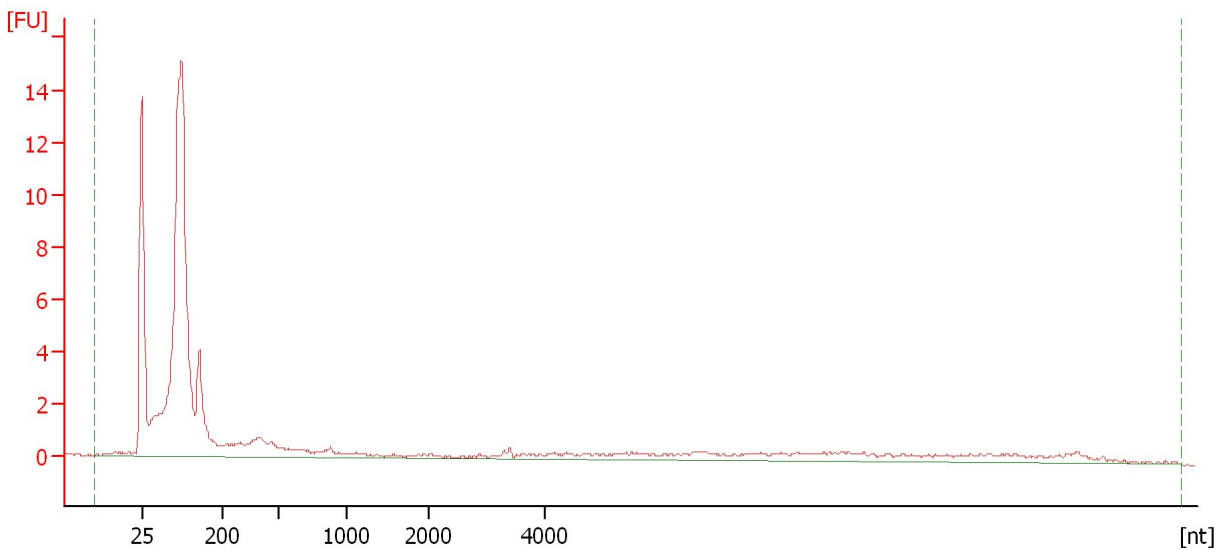


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 5



**Overall Results for sample 5 : Sample 5**

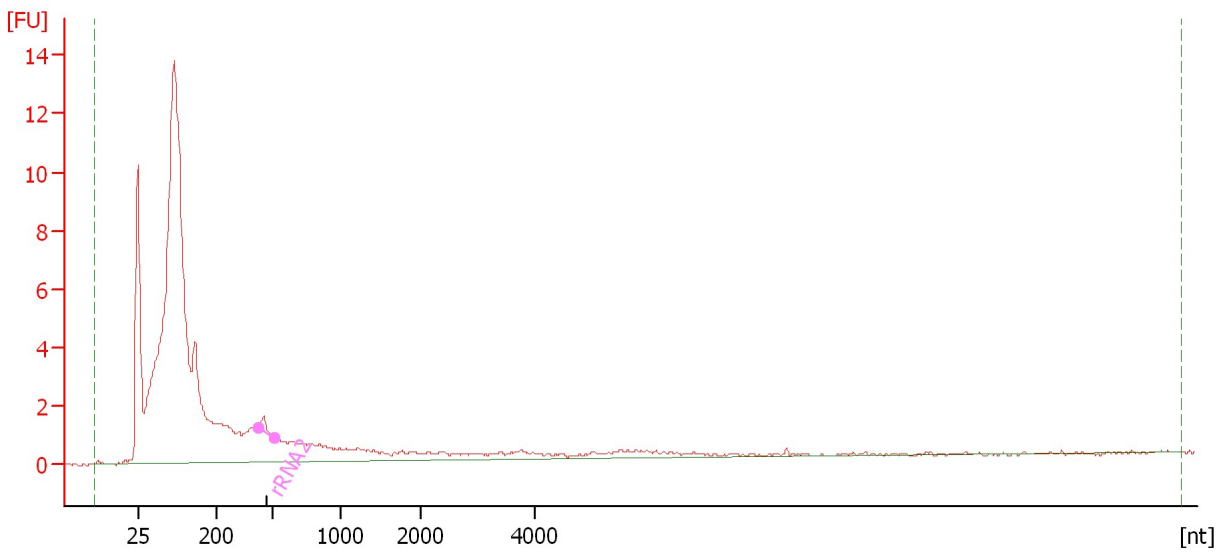
RNA Area: 109.2                      rRNA Contamination: 0.0 %  
RNA Concentration: 1,340 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 6



**Overall Results for sample 6 : Sample 6**

RNA Area: 142.2                      rRNA Contamination: 0.6 %  
RNA Concentration: 1,745 pg/μl

**Fragment table for sample 6 : Sample 6**

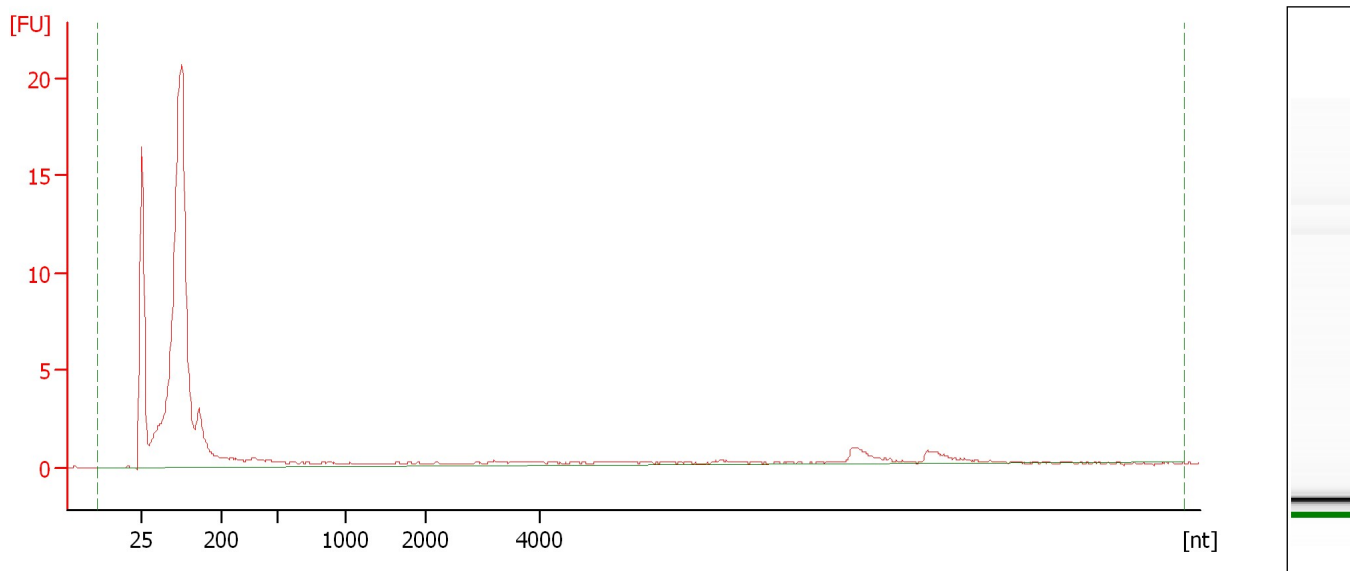
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	418	505	0.8	0.6

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 7



**Overall Results for sample 7 : Sample 7**

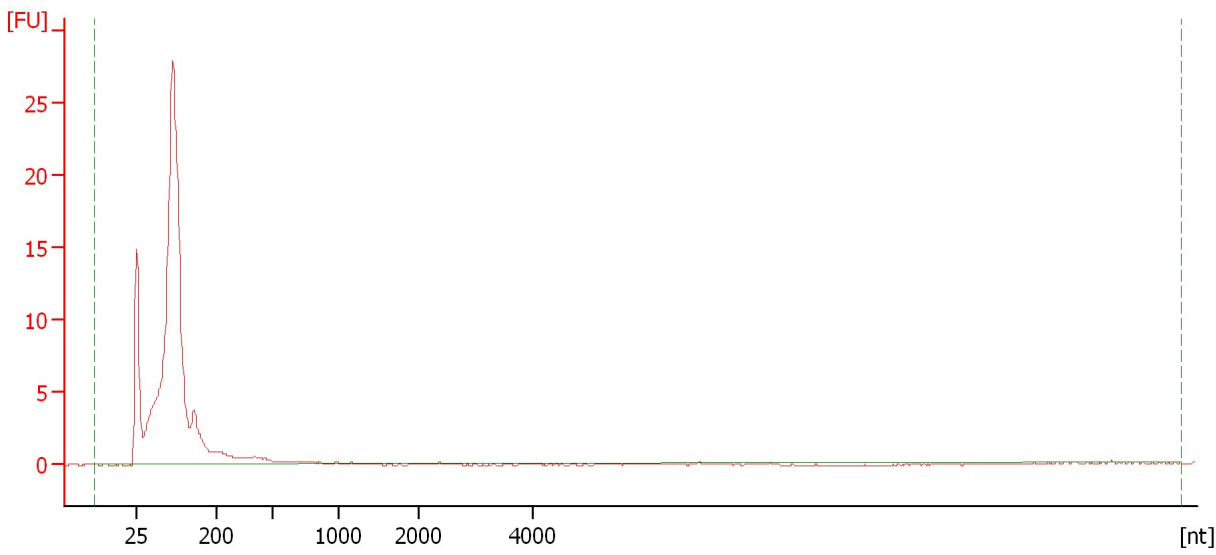
RNA Area: 129.0                      rRNA Contamination: 0.0 %  
RNA Concentration: 1,583 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 8



**Overall Results for sample 8 : Sample 8**

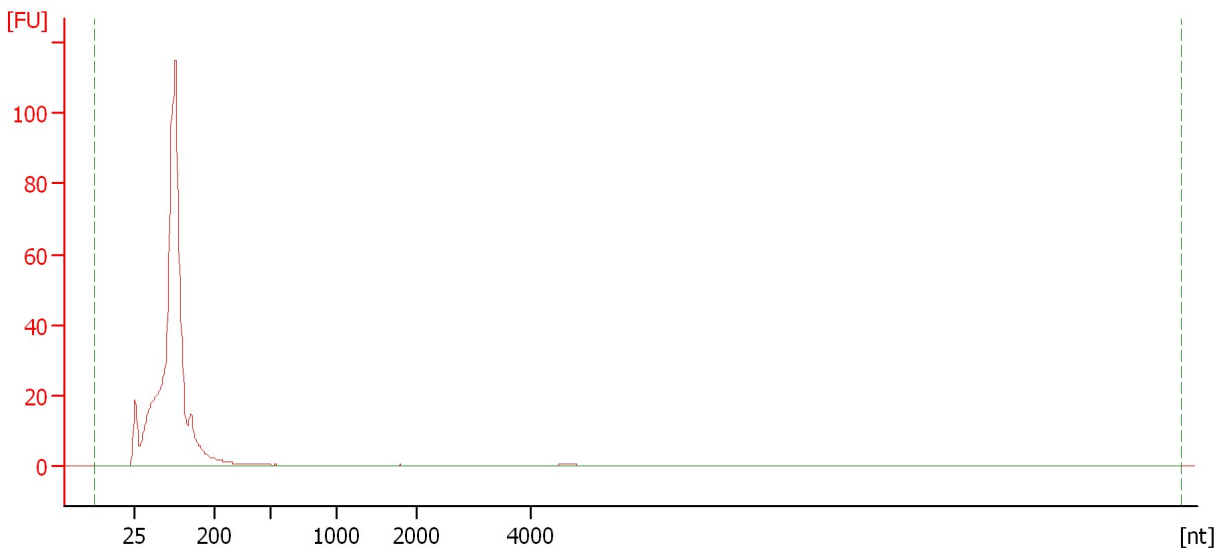
RNA Area: 159.5                      rRNA Contamination: 0.0 %  
RNA Concentration: 1,957 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Electropherogram Summary Continued ...**

Sample 9



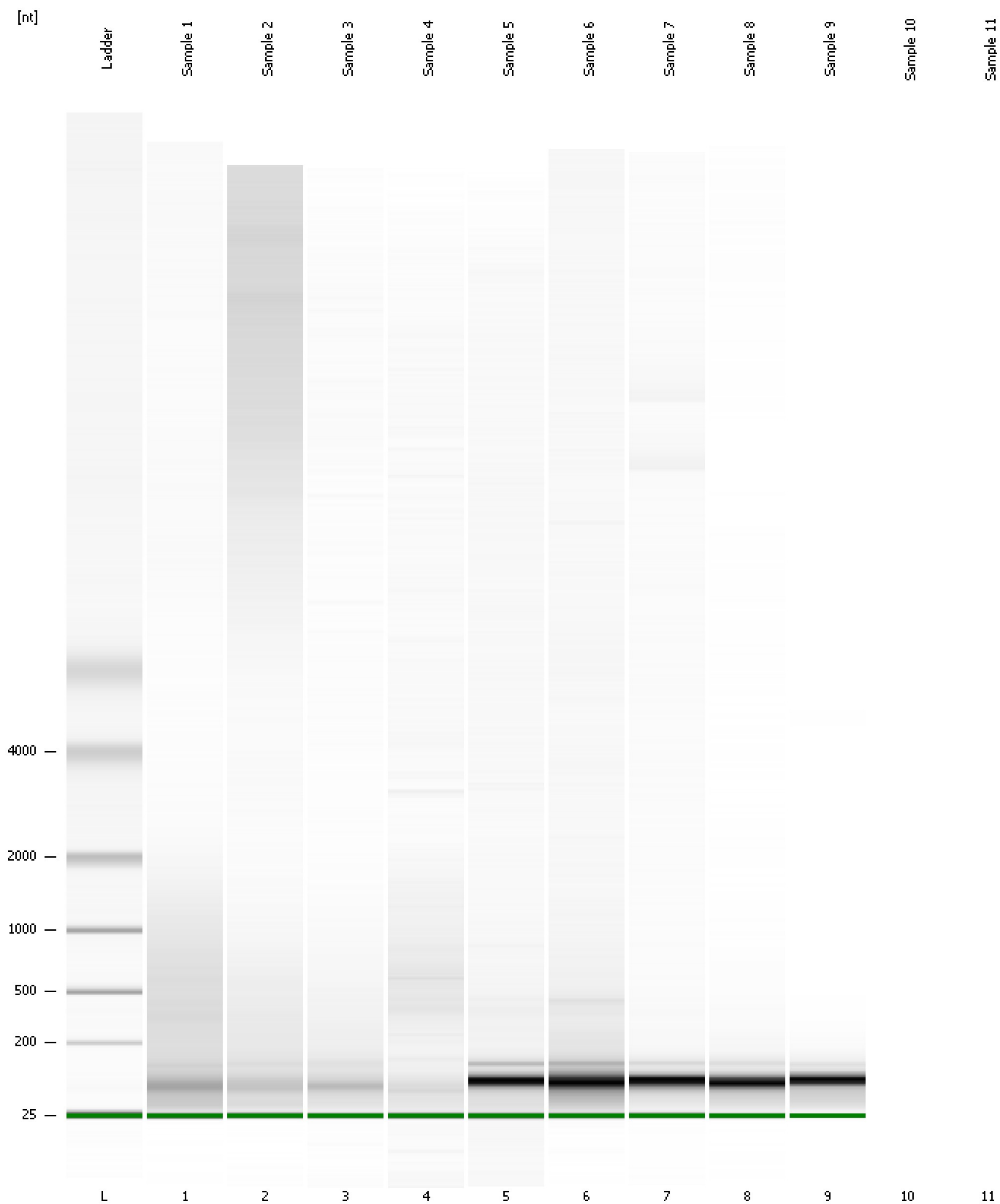
**Overall Results for sample 9 : Sample 9**

RNA Area: 612.5                      rRNA Contamination: 0.0 %  
RNA Concentration: 7,517 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Gel Image**



Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07\_002.xad

Created: 12/7/2017 10:08:25 AM  
Modified: 12/7/2017 10:30:08 AM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.