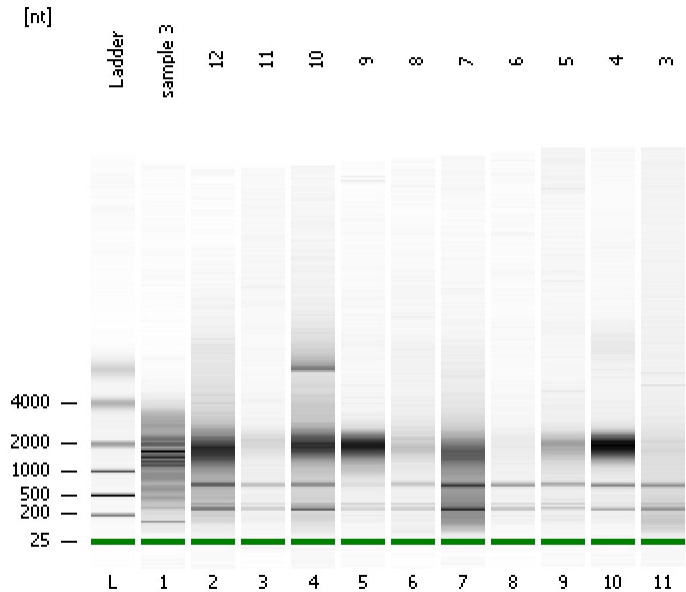


Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

Assay Information:

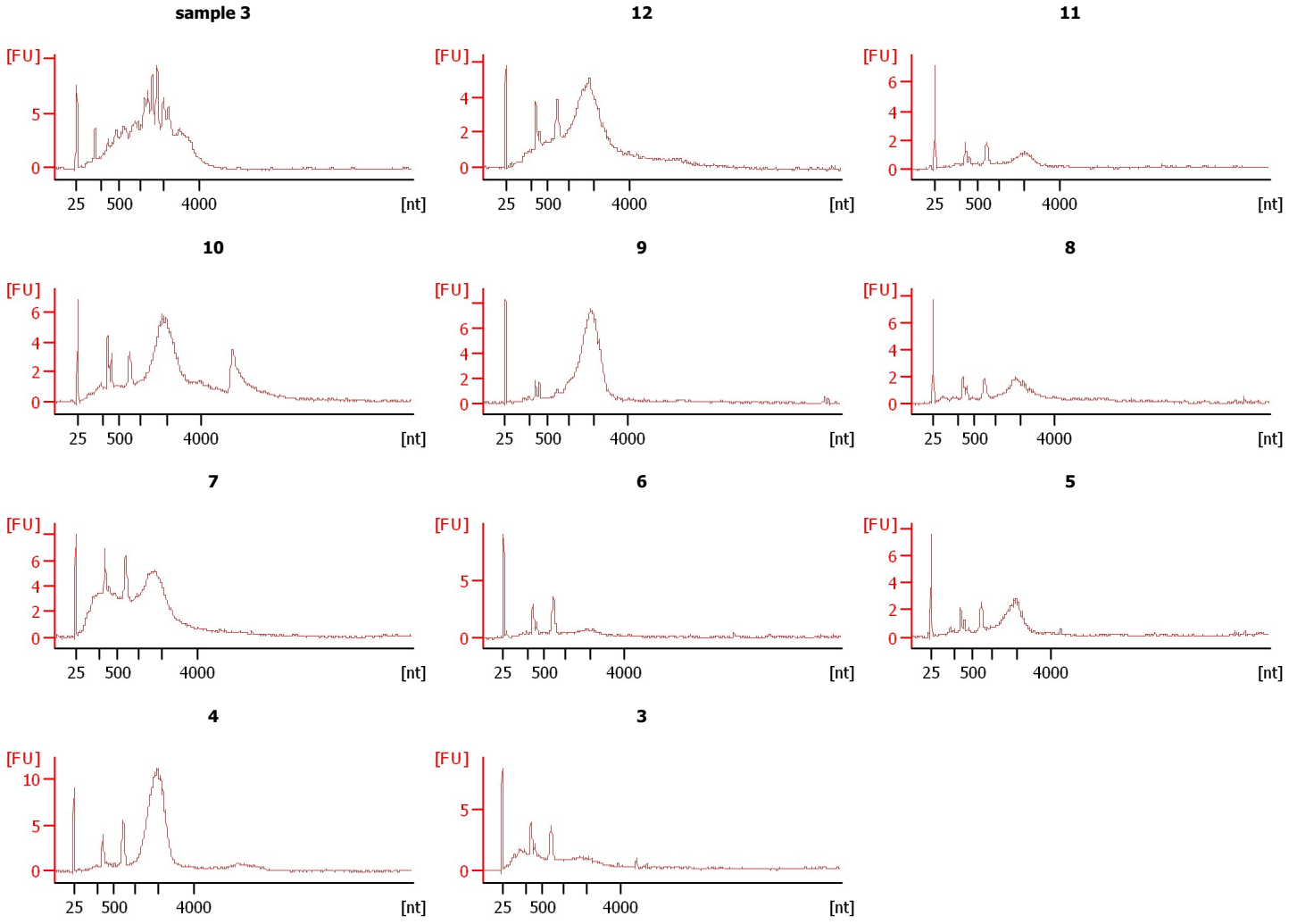
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
sample 3		✓		
12		✓		
11		✓		
10		✓		
9		✓		
8		✓		
7		✓		
6		✓		
5		✓		
4		✓		
3		✓		
Ladder		✓		

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 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

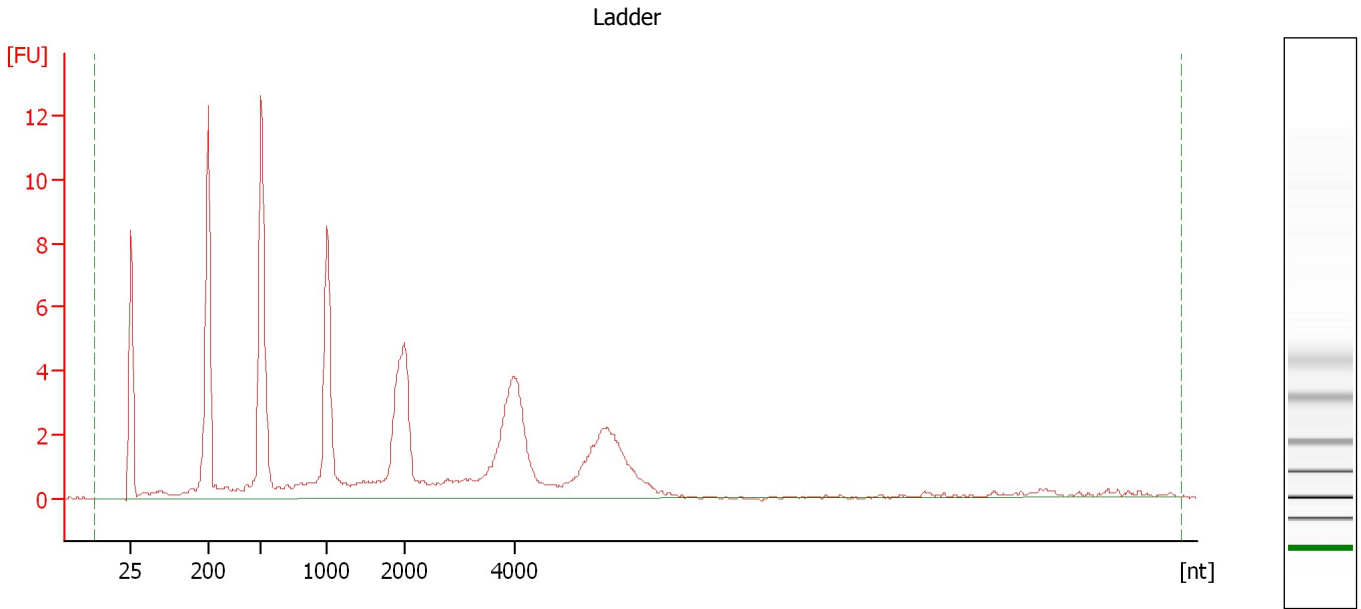
### Ladder

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

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary**



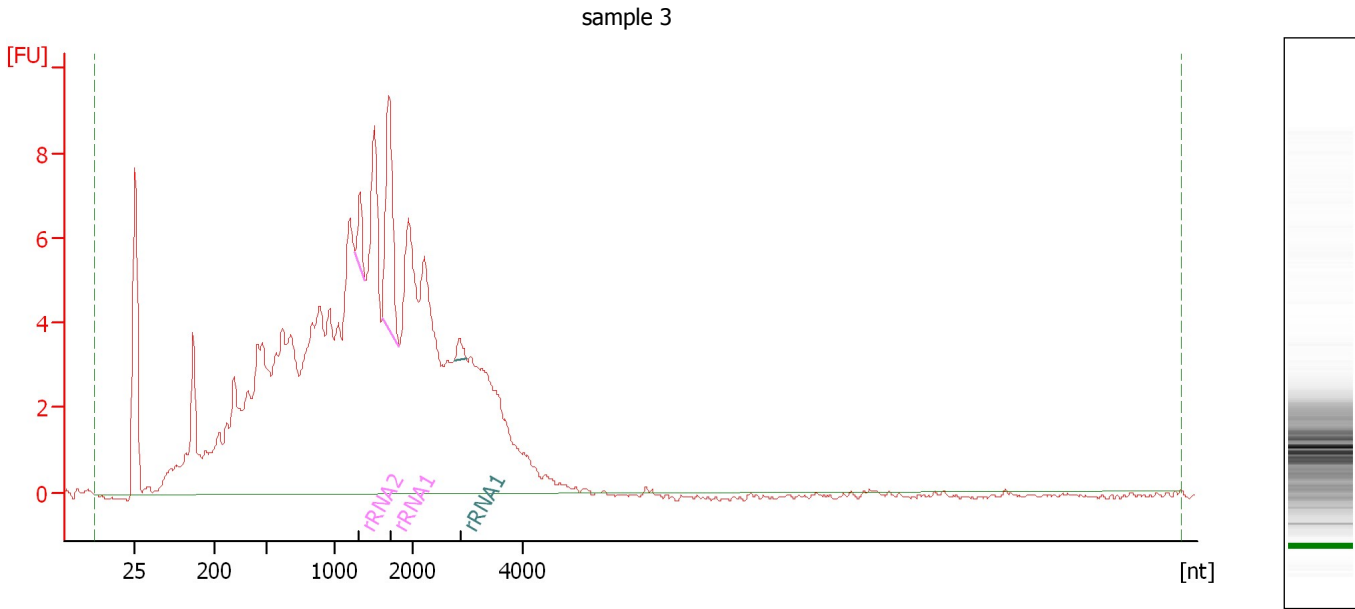
**Overall Results for Ladder**

RNA Area: 124.8                      RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 3**

RNA Area: 238.8                      rRNA Contamination: 4.3 %  
RNA Concentration: 1,914 pg/μl

**Fragment table for sample 1 : sample 3**

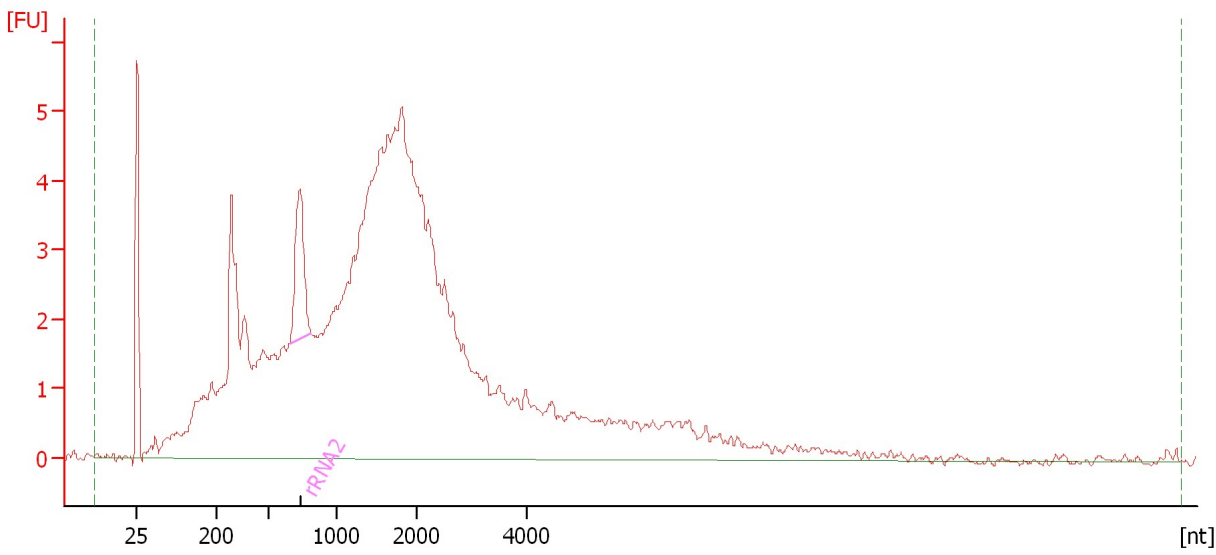
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,260	1,392	1.6	0.7
rRNA1	1,606	1,820	8.1	3.4
rRNA1	2,753	2,969	0.5	0.2

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

12



**Overall Results for sample 2 : 12**

RNA Area: 167.4                      rRNA Contamination: 2.8 %  
RNA Concentration: 1,342 pg/μl

**Fragment table for sample 2 : 12**

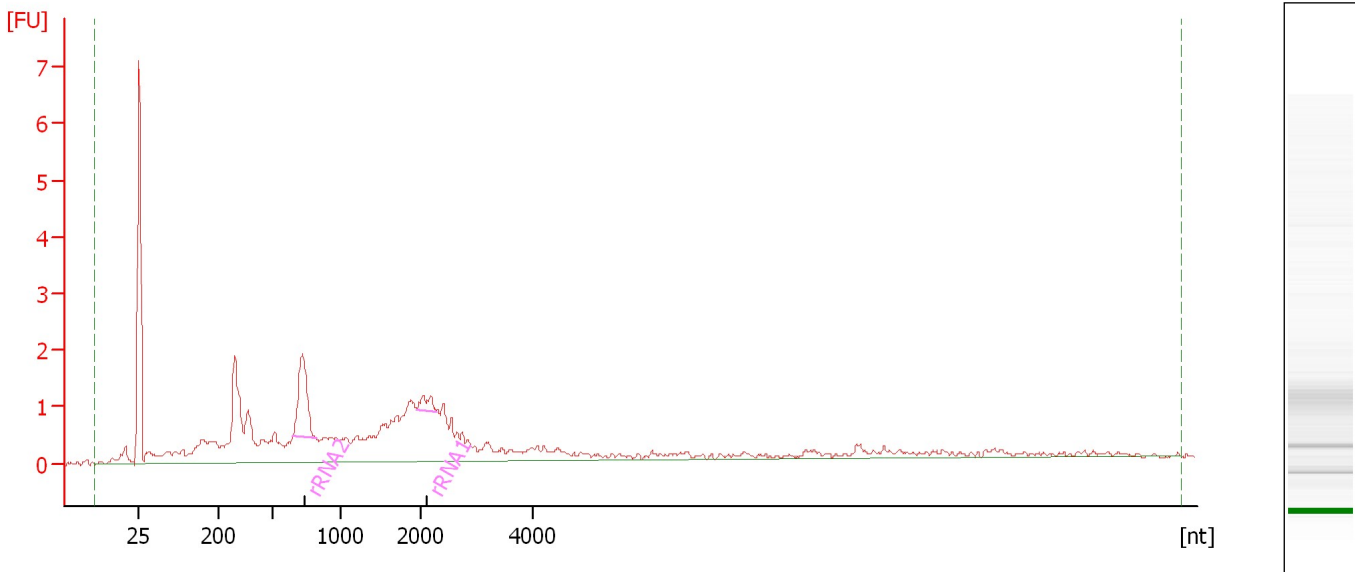
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	652	812	4.7	2.8

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

11



**Overall Results for sample 3 : 11**

RNA Area: 45.0                      rRNA Contamination: 8.1 %  
RNA Concentration: 361 pg/μl

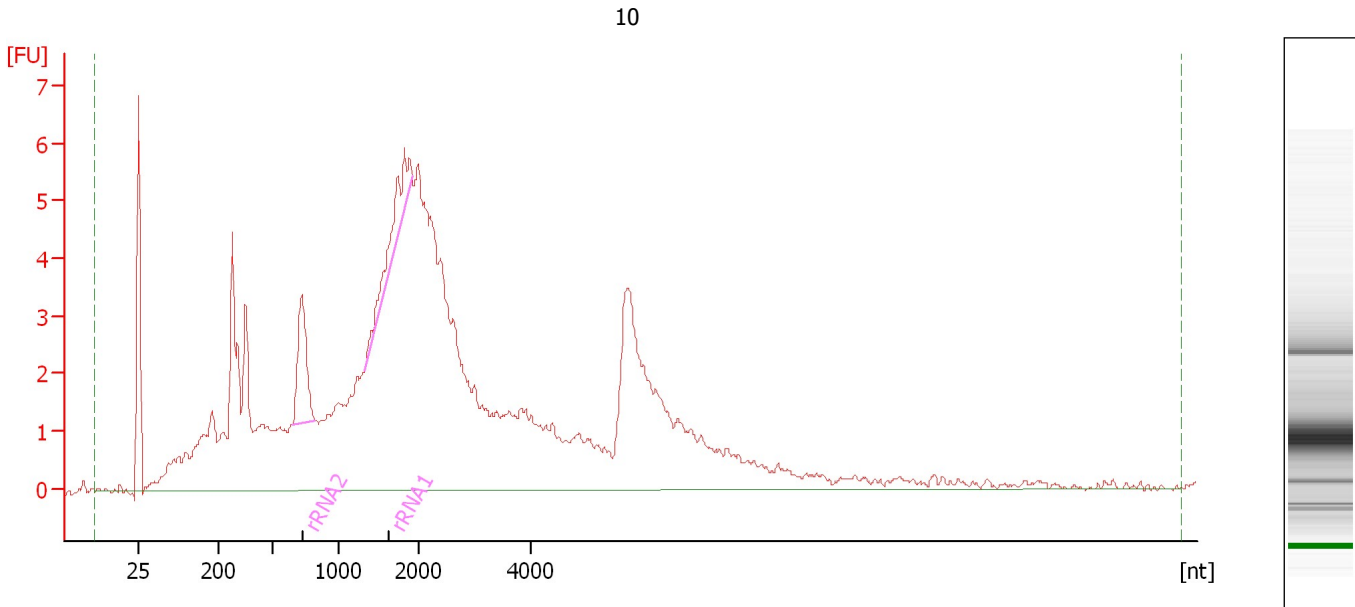
**Fragment table for sample 3 : 11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	649	819	3.1	6.9
rRNA1	1,965	2,278	0.6	1.2

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 10**

RNA Area: 185.8                      rRNA Contamination: 4.6 %  
RNA Concentration: 1,489 pg/μl

**Fragment table for sample 4 : 10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	652	817	4.8	2.6
rRNA1	1,321	1,914	3.7	2.0

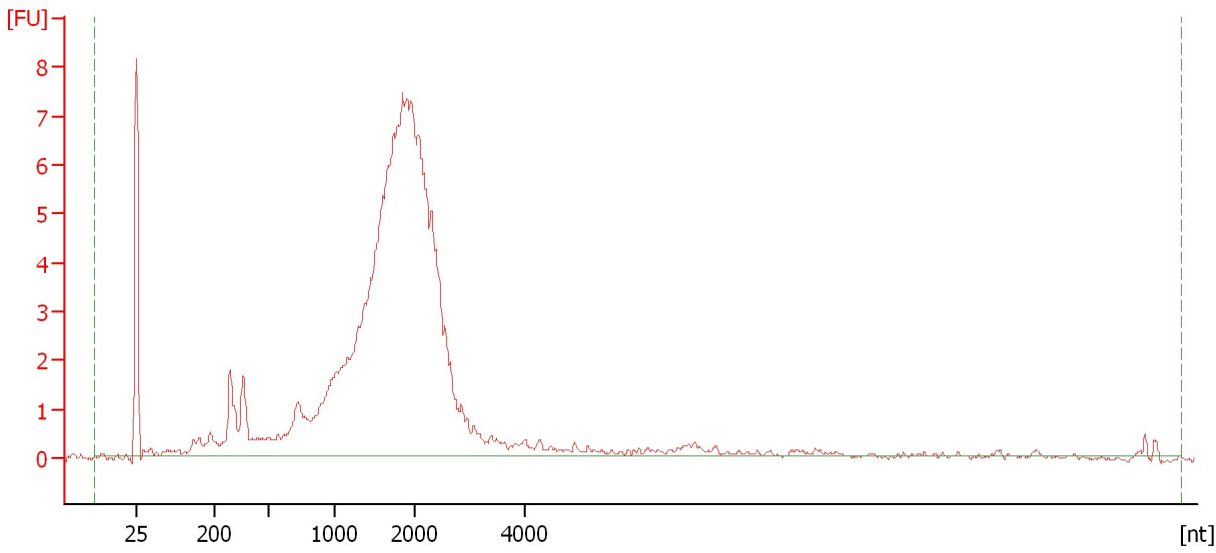


Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

9



**Overall Results for sample 5 : 9**

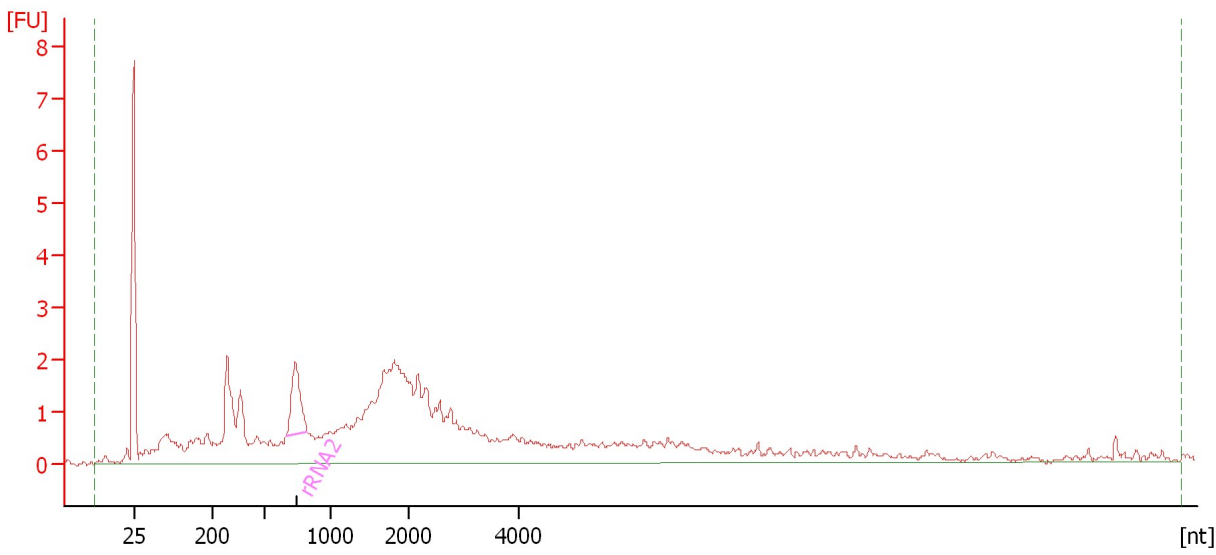
RNA Area: 125.4                      rRNA Contamination: 0.0 %  
RNA Concentration: 1,005 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

8



**Overall Results for sample 6 : 8**

RNA Area: 75.6                      rRNA Contamination: 4.0 %  
RNA Concentration: 606 pg/μl

**Fragment table for sample 6 : 8**

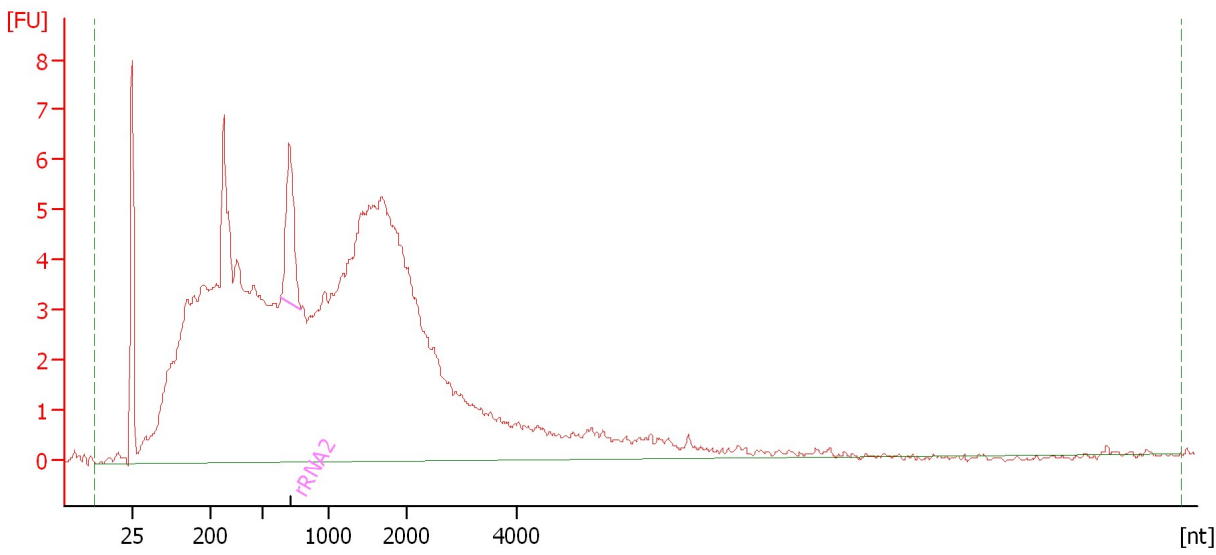
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	659	820	3.0	4.0

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

7



**Overall Results for sample 7 : 7**

RNA Area: 255.1                      rRNA Contamination: 2.6 %  
RNA Concentration: 2,045 pg/μl

**Fragment table for sample 7 : 7**

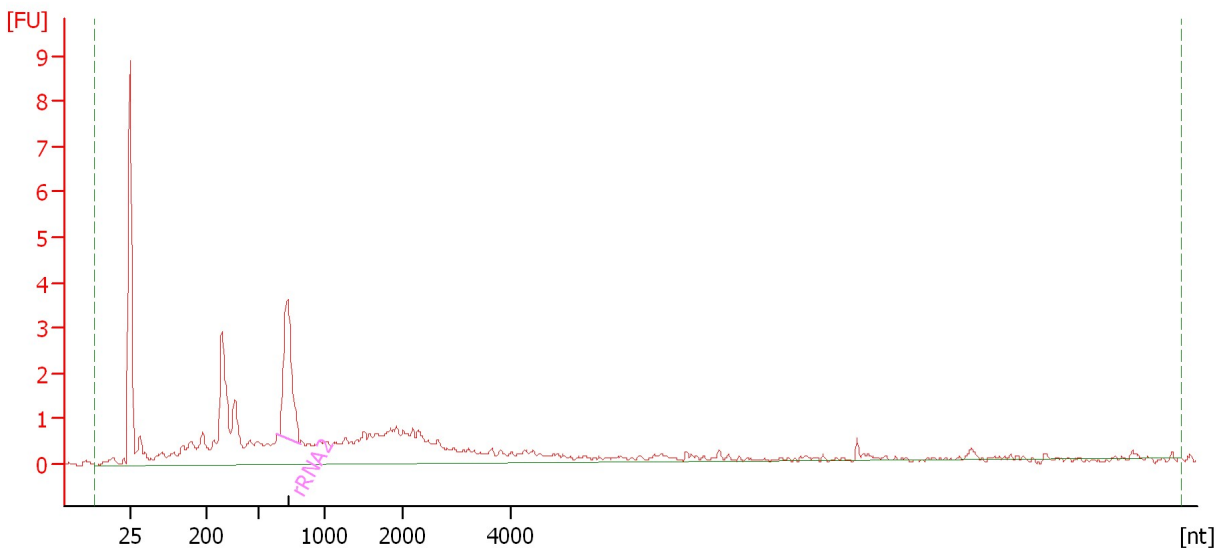
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	635	791	6.6	2.6

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

6



**Overall Results for sample 8 : 6**

RNA Area: 52.2                      rRNA Contamination: 13.1 %  
RNA Concentration: 418 pg/μl

**Fragment table for sample 8 : 6**

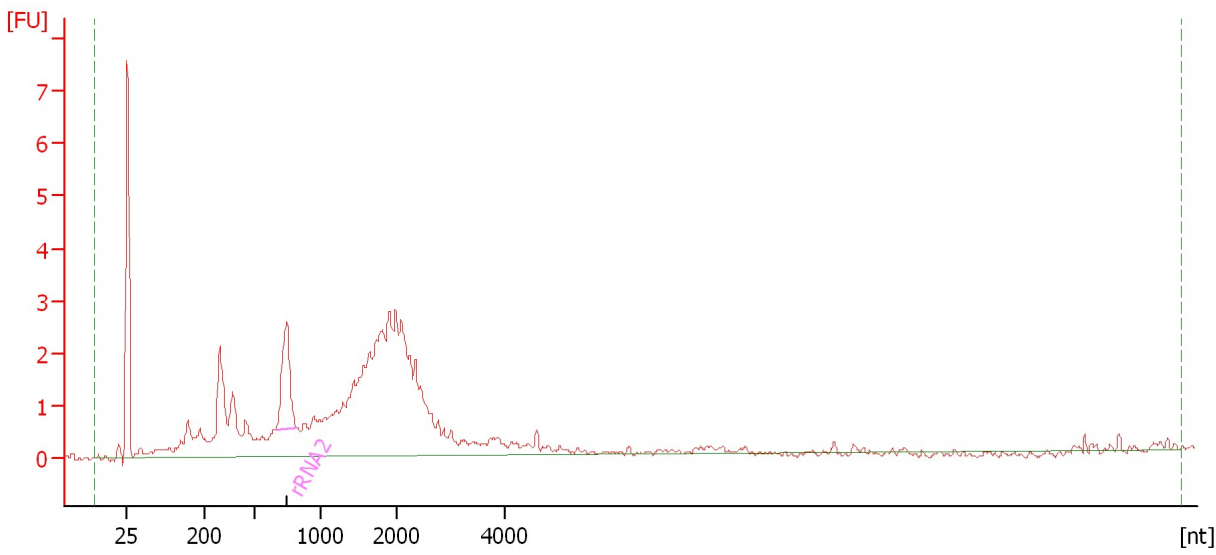
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	638	814	6.8	13.1

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

5



**Overall Results for sample 9 : 5**

RNA Area: 65.8                      rRNA Contamination: 6.5 %  
RNA Concentration: 527 pg/μl

**Fragment table for sample 9 : 5**

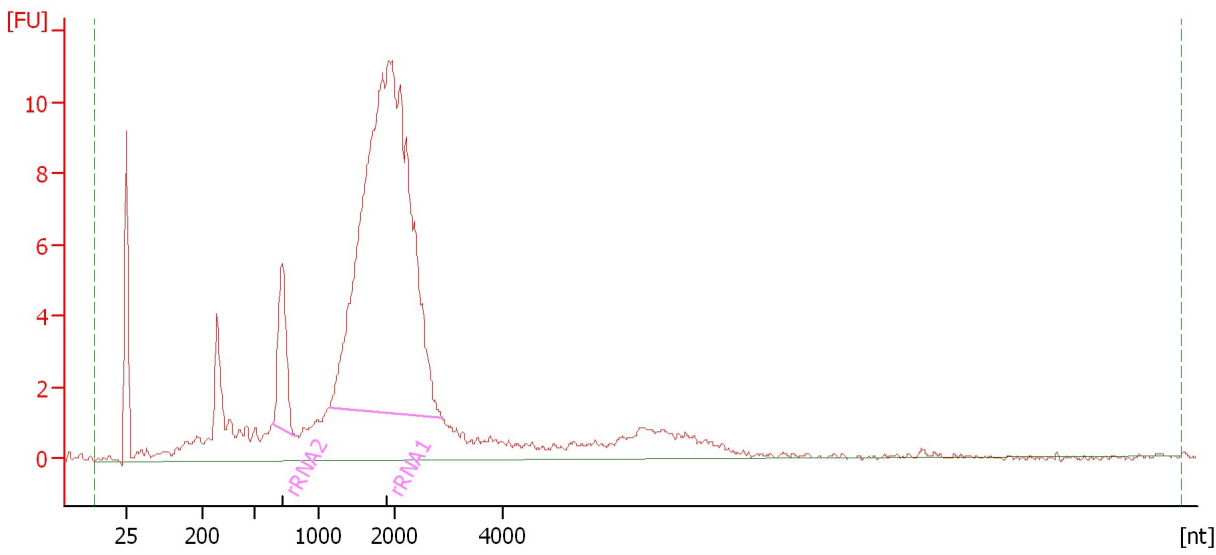
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	660	819	4.3	6.5

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

4



**Overall Results for sample 10 : 4**

RNA Area: 201.7                      rRNA Contamination: 55.4 %  
RNA Concentration: 1,617 pg/μl

**Fragment table for sample 10 : 4**

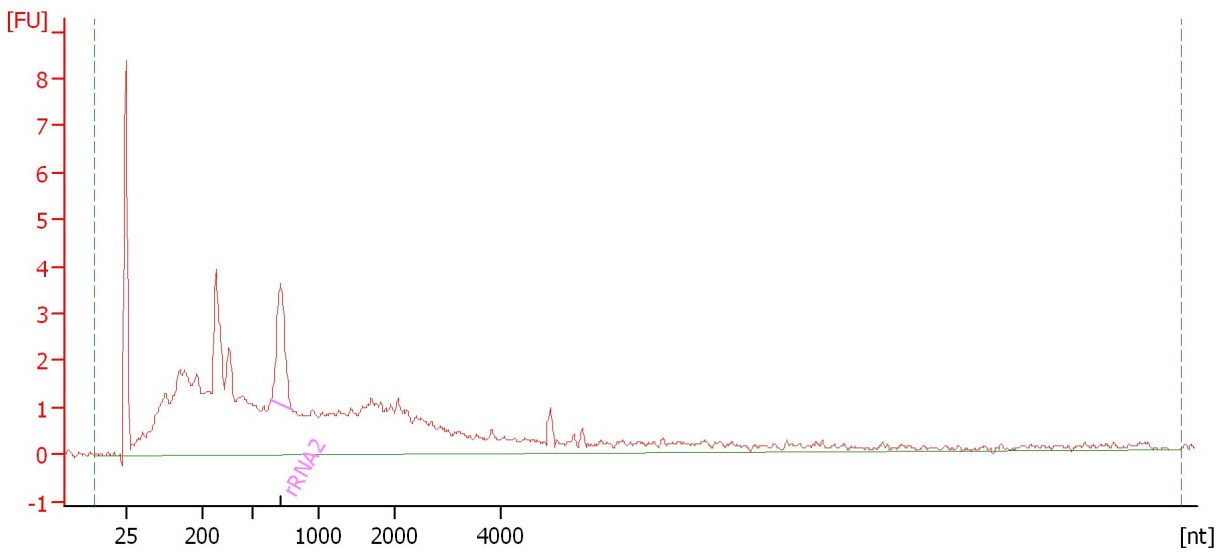
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	632	810	10.0	5.0
rRNA1	1,136	2,870	101.7	50.4

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Electropherogram Summary Continued ...**

3



**Overall Results for sample 11 : 3**

RNA Area: 99.9                      rRNA Contamination: 5.5 %  
RNA Concentration: 801 pg/μl

**Fragment table for sample 11 : 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	635	801	5.5	5.5

Assay Class: mRNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-31\2015-07-31\_003.xad

Created: 7/31/2015 10:44:11 AM  
Modified: 7/31/2015 11:09:14 AM

**Gel Image**

