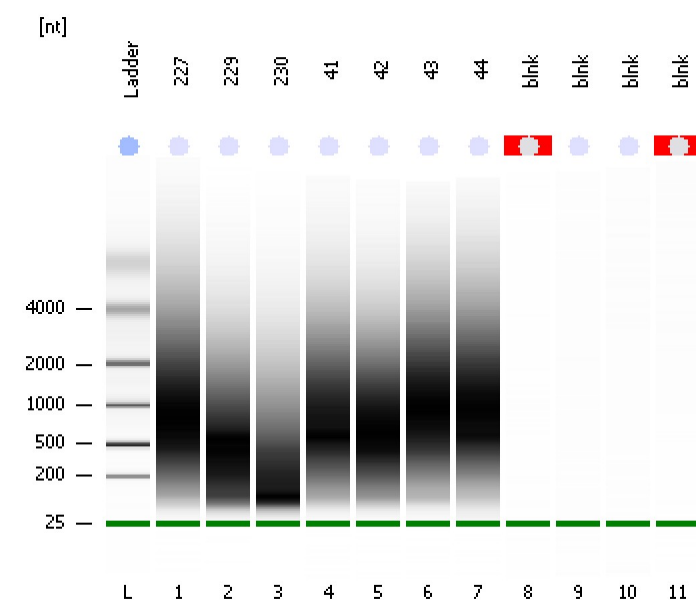


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE72902486  
Serial#: DE72902486

Firmware: C.01.069  
Type: G2939A

#### Assay Information:

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

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

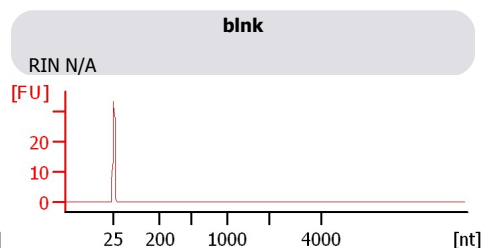
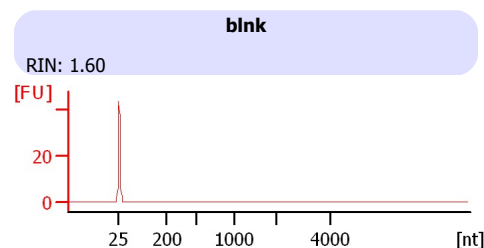
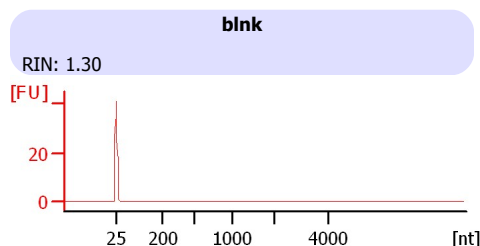
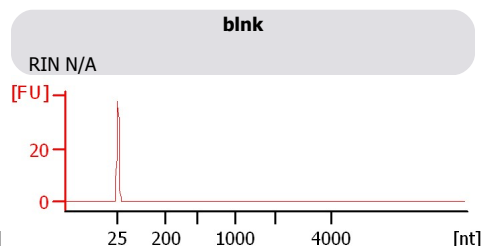
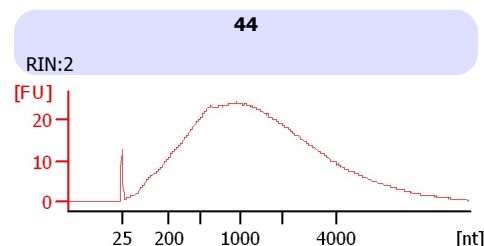
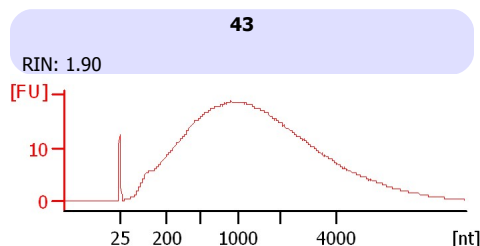
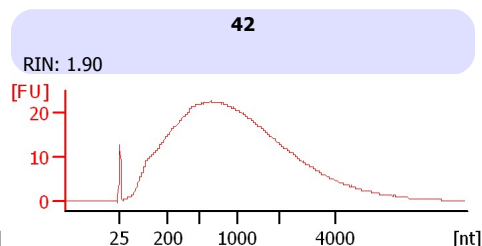
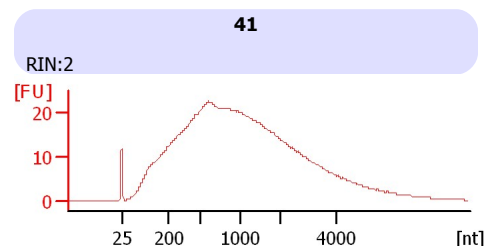
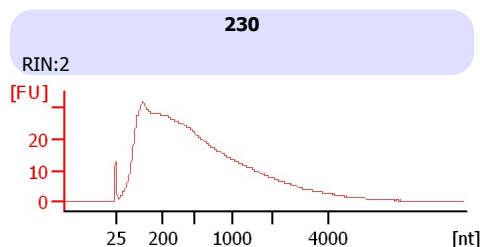
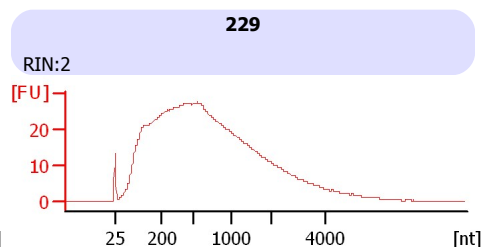
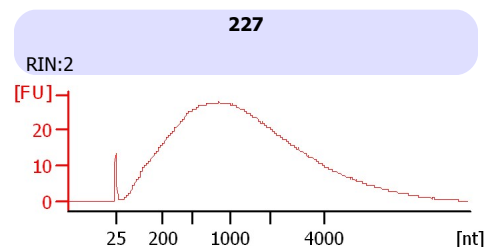
© Copyright 2003 - 2009 Agilent Technologies, Inc.

#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

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

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
227		✓ RIN:2	
229		✓ RIN:2	
230		✓ RIN:2	
41		✓ RIN:2	
42		✓ RIN: 1.90	
43		✓ RIN: 1.90	
44		✓ RIN:2	
blnk		✓ RIN N/A	
blnk		✓ RIN: 1.30	
blnk		✓ RIN: 1.60	
blnk		✓ RIN N/A	

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/μl] : 1000

Lower Marker Concentration [pg/μl] : 0

Upper Marker Concentration [pg/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

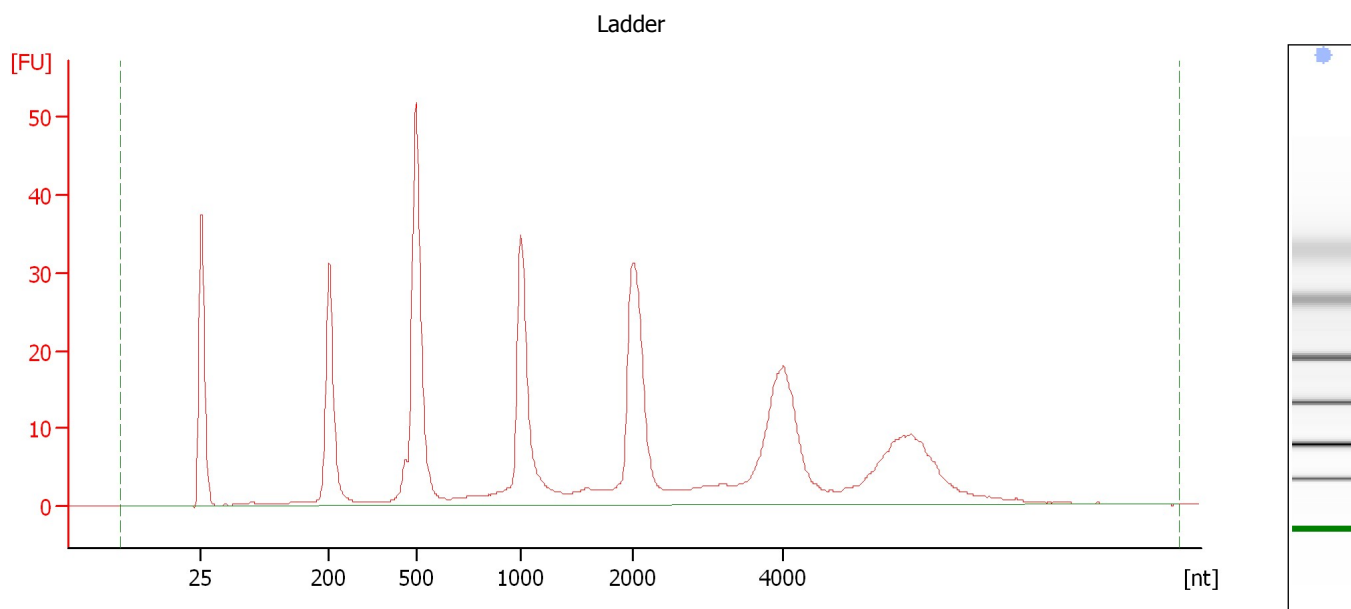
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 423.4

Result Flagging Color:



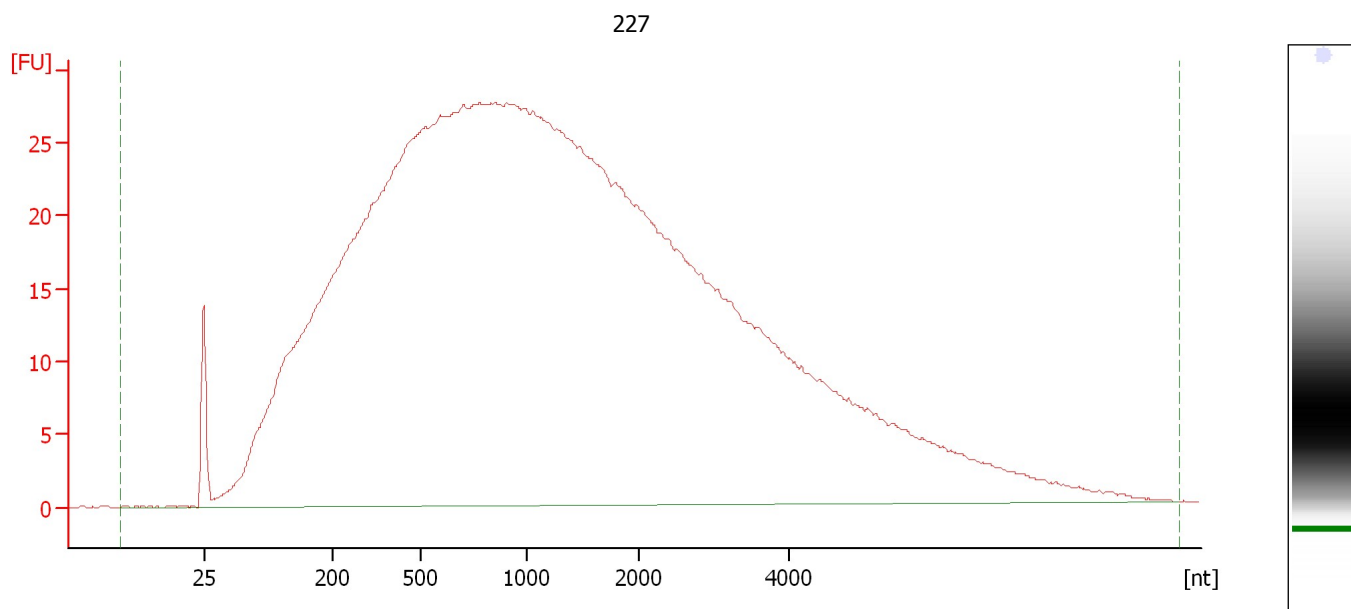
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

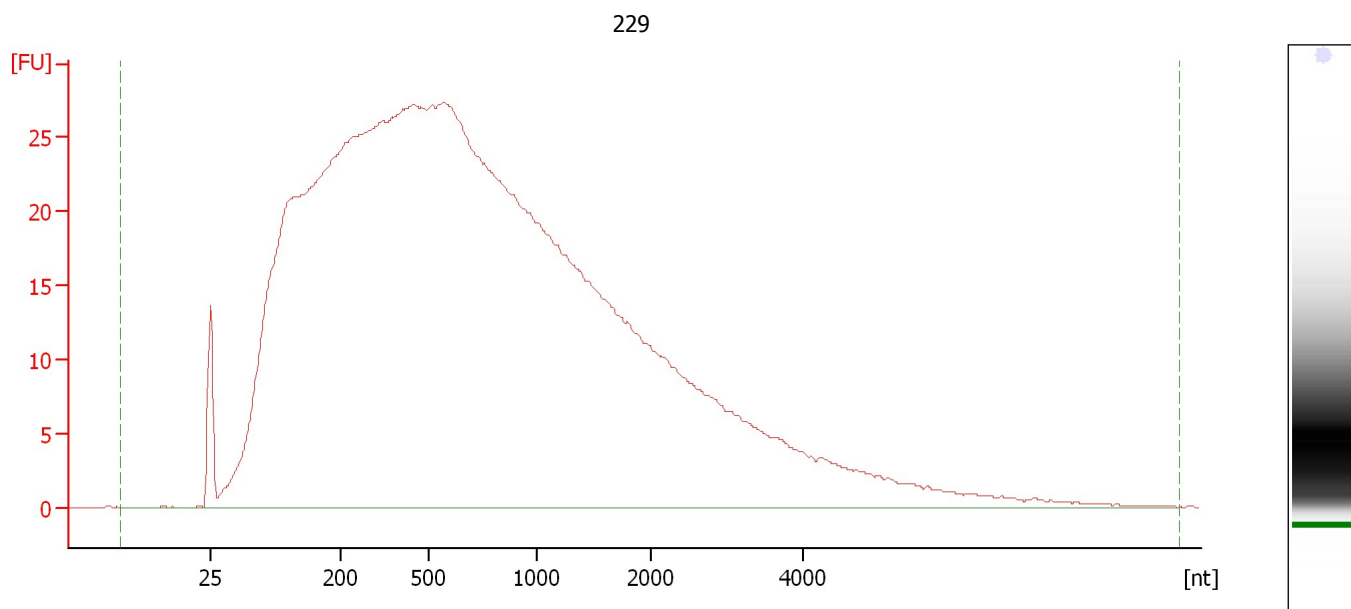
**Electropherogram Summary Continued ...****Overall Results for sample 1 : 227**

RNA Area: 1,449.0  
RNA Concentration: 3,422 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.07)  
Result Flagging Color:   
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

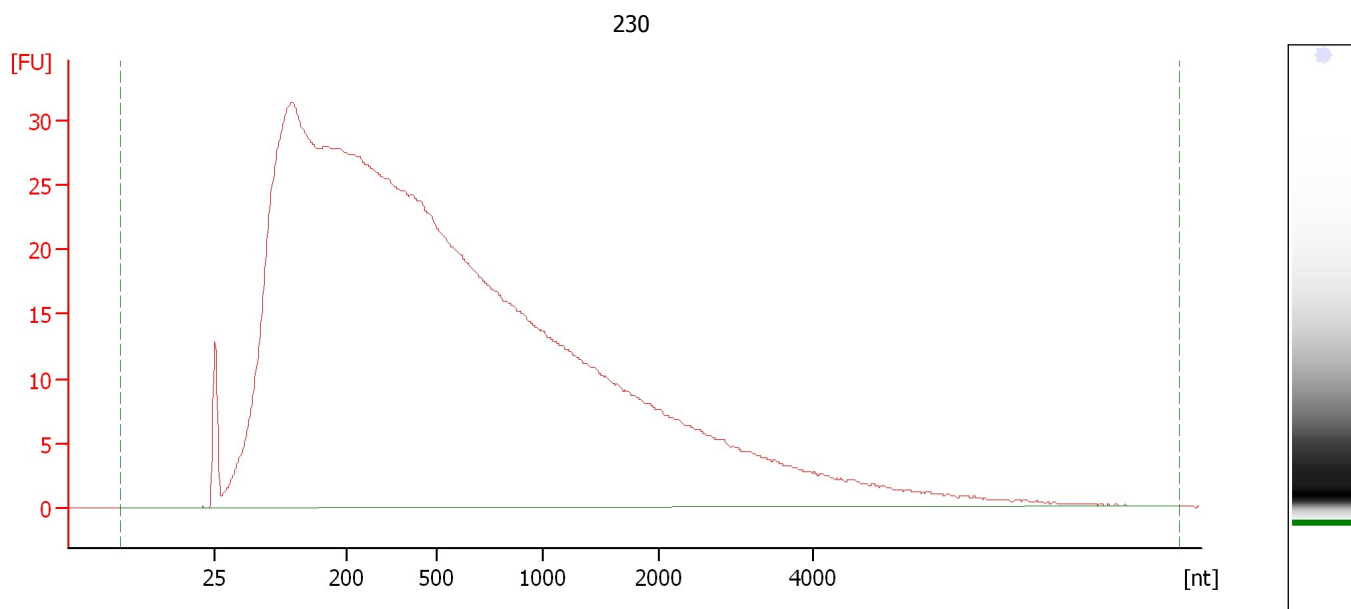
**Electropherogram Summary Continued ...****Overall Results for sample 2 : 229**

RNA Area: 1,298.2  
RNA Concentration: 3,066 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.07)  
Result Flagging Color:   
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

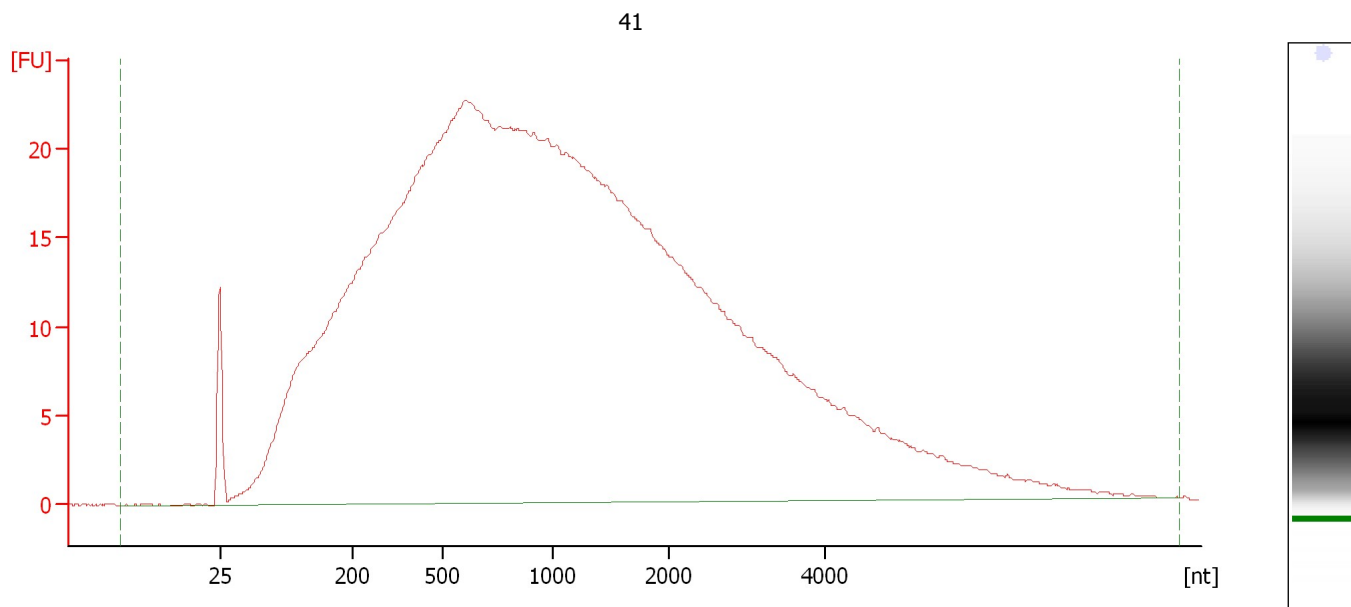
**Electropherogram Summary Continued ...****Overall Results for sample 3 : 230**

RNA Area: 1,224.2  
RNA Concentration: 2,891 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.07)  
Result Flagging Color:   
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : 41**

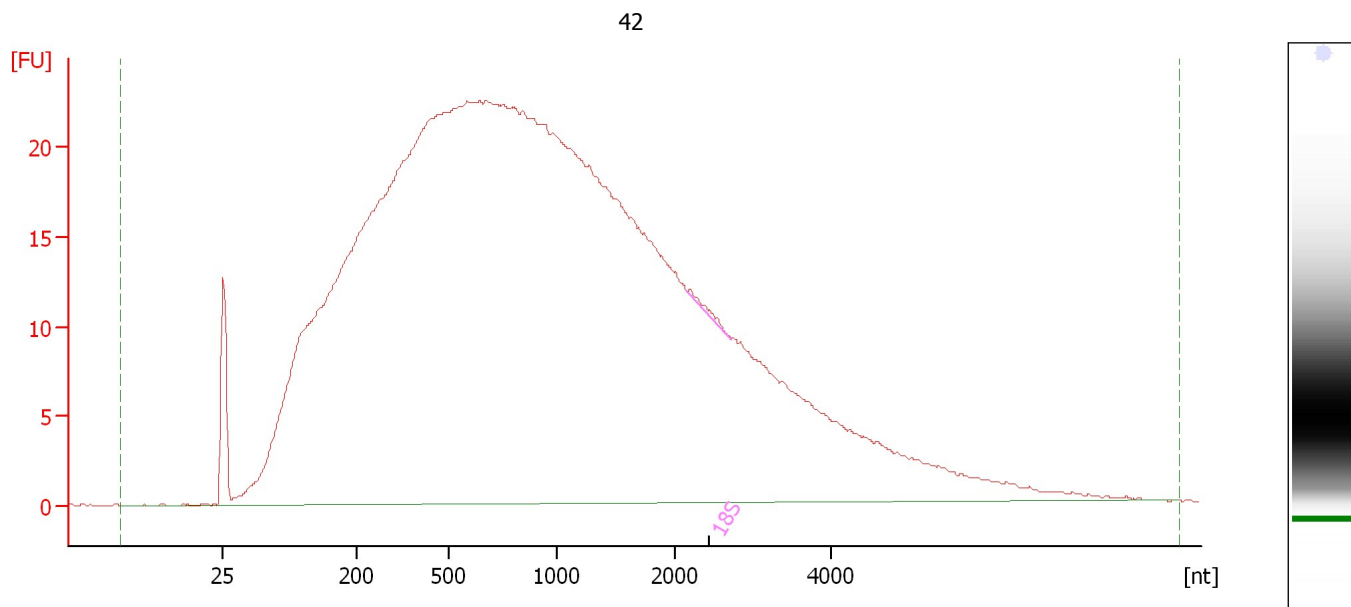
RNA Area: 1,051.9  
RNA Concentration: 2,484 pg/μl  
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.07)  
Result Flagging Color:   
Result Flagging Label: RIN:2



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : 42**

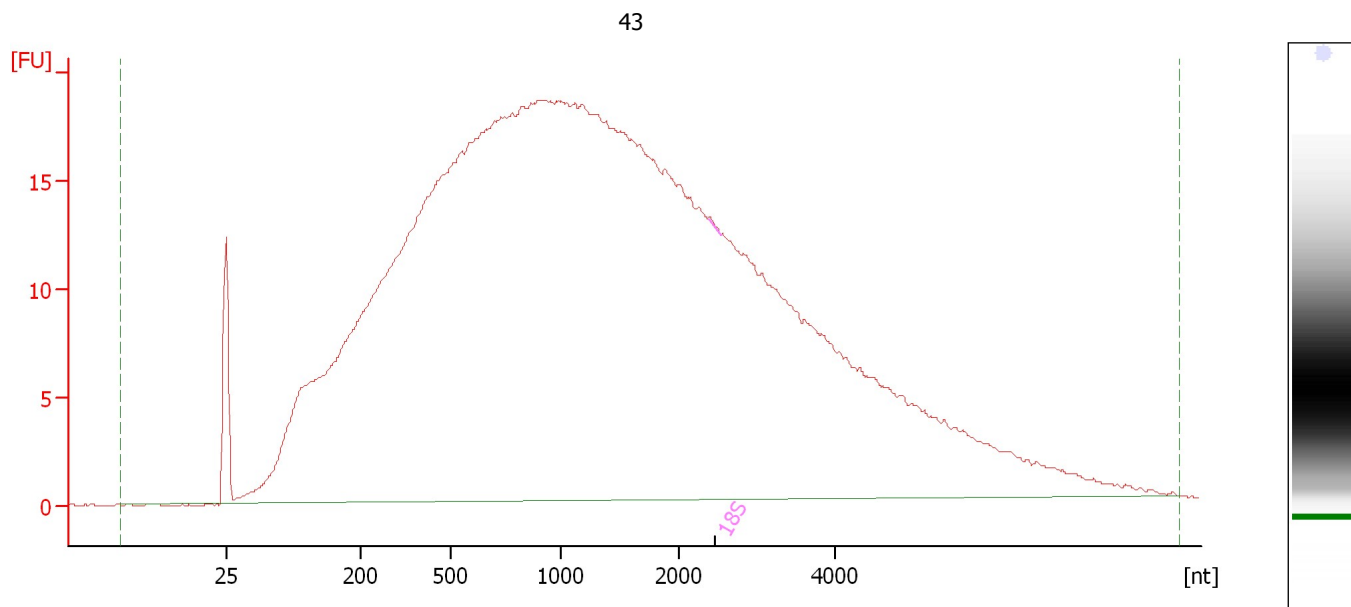
RNA Area:	1,077.7	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	2,545 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

**Fragment table for sample 5 : 42**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,147	2,721	1.0	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : 43**

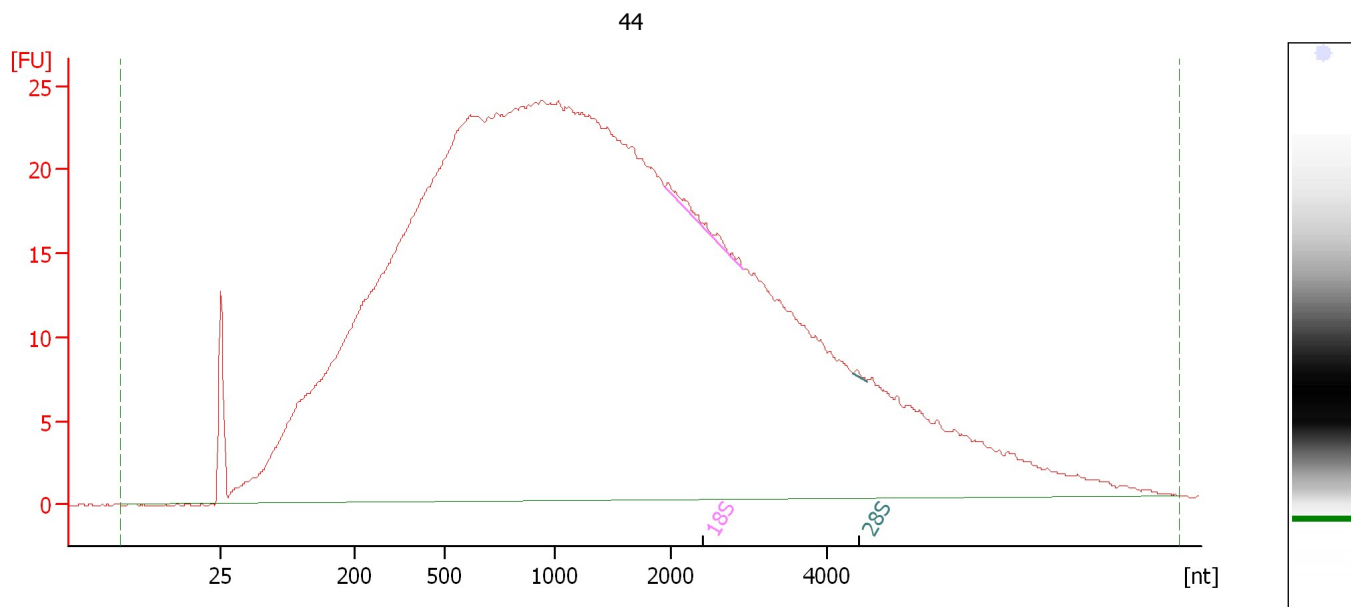
RNA Area:	929.3	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	2,195 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

**Fragment table for sample 6 : 43**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,381	2,531	0.1	0.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : 44**

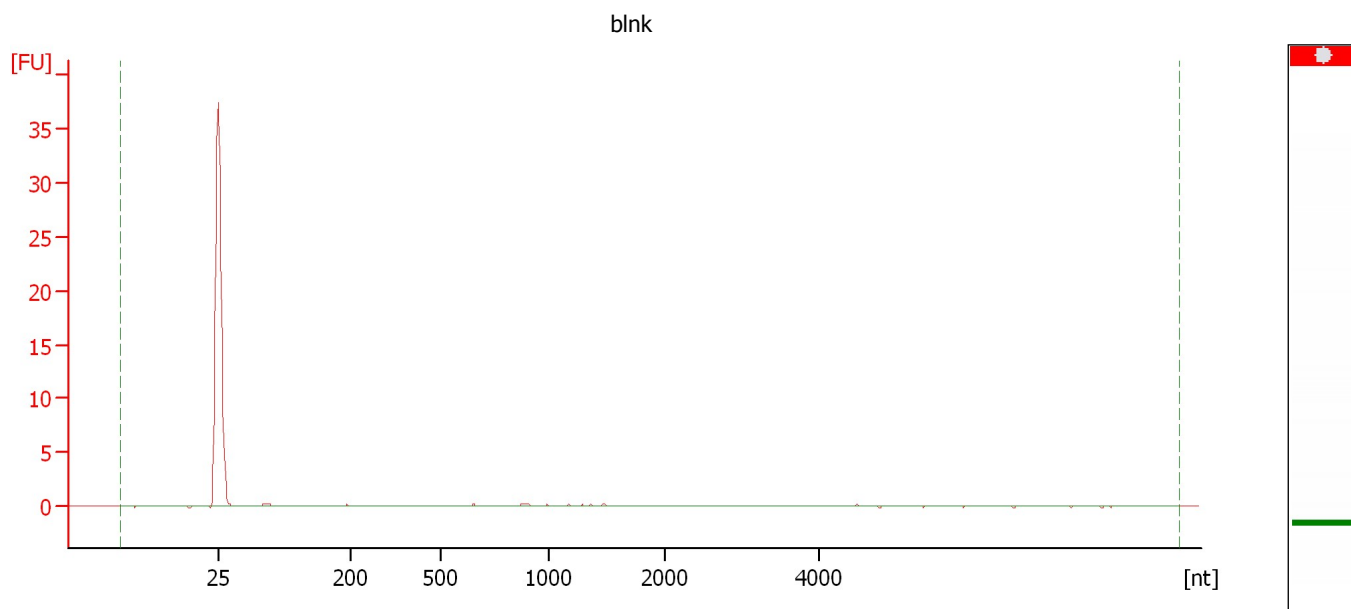
RNA Area:	1,200.1	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	2,834 pg/ $\mu$ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN:2

**Fragment table for sample 7 : 44**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,949	2,926	2.2	0.2
28S	4,340	4,518	0.1	0.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

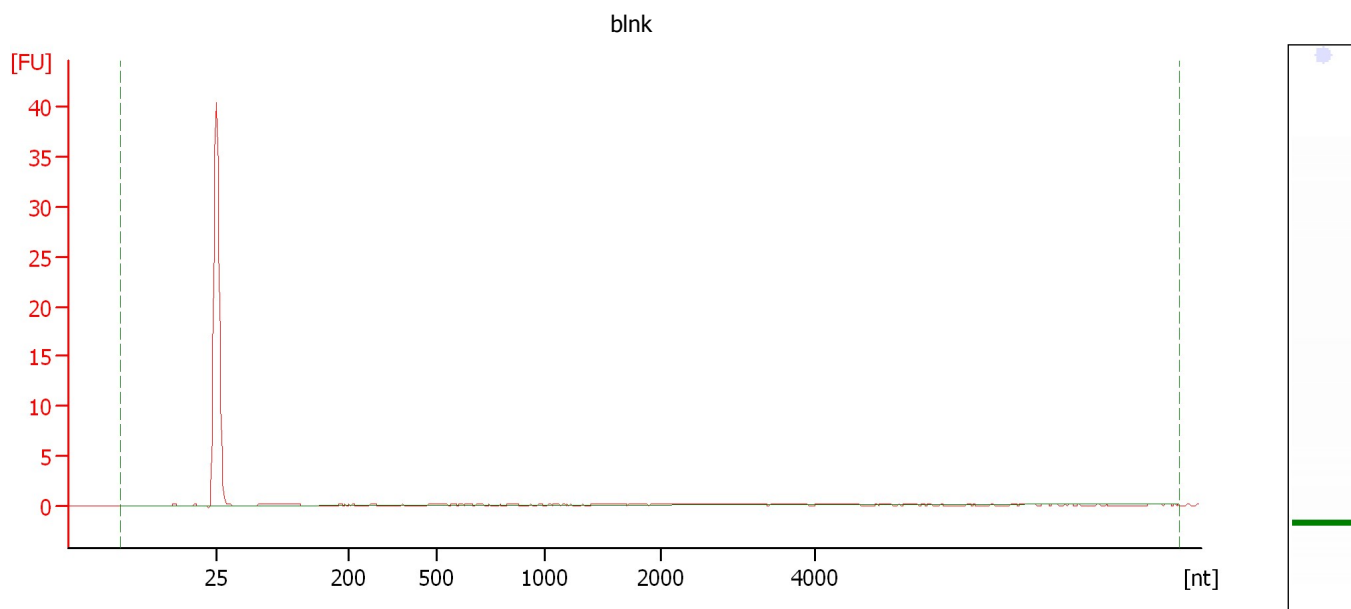
Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : blnk**

RNA Area:	3.0	RNA Integrity Number (RIN):	N/A (B.02.07)
RNA Concentration:	7 pg/ $\mu$ l	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

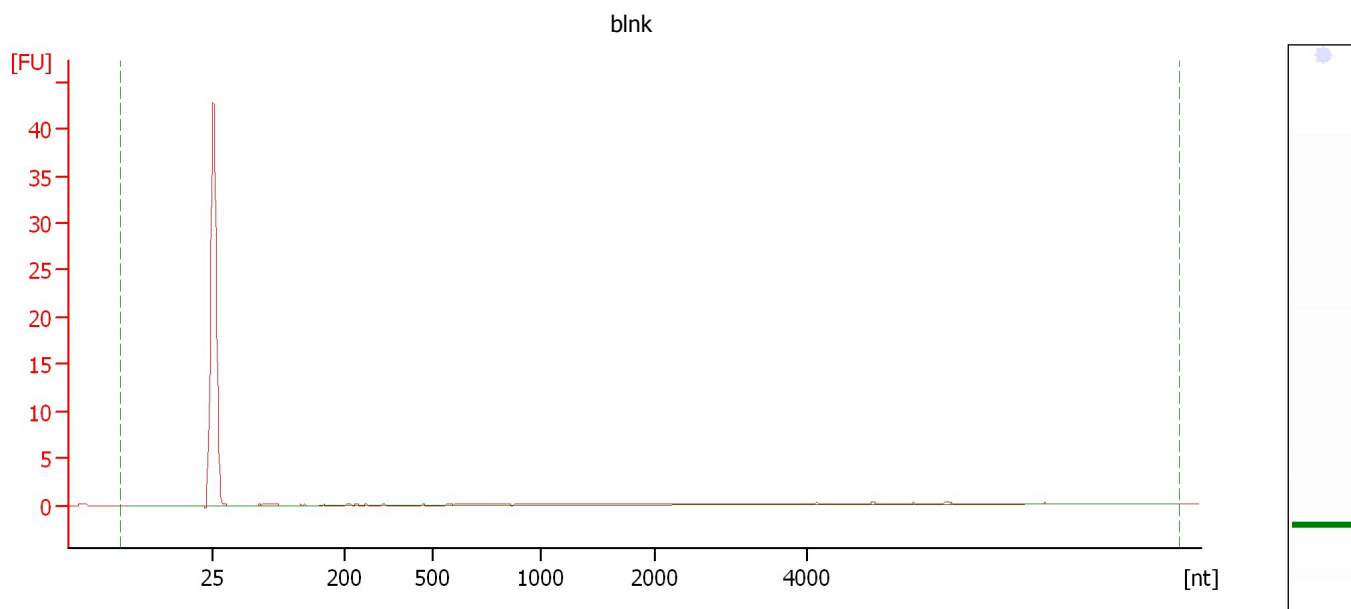
Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : blnk**

RNA Area:	7.2	RNA Integrity Number (RIN):	1.3 (B.02.07)
RNA Concentration:	17 pg/ $\mu$ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

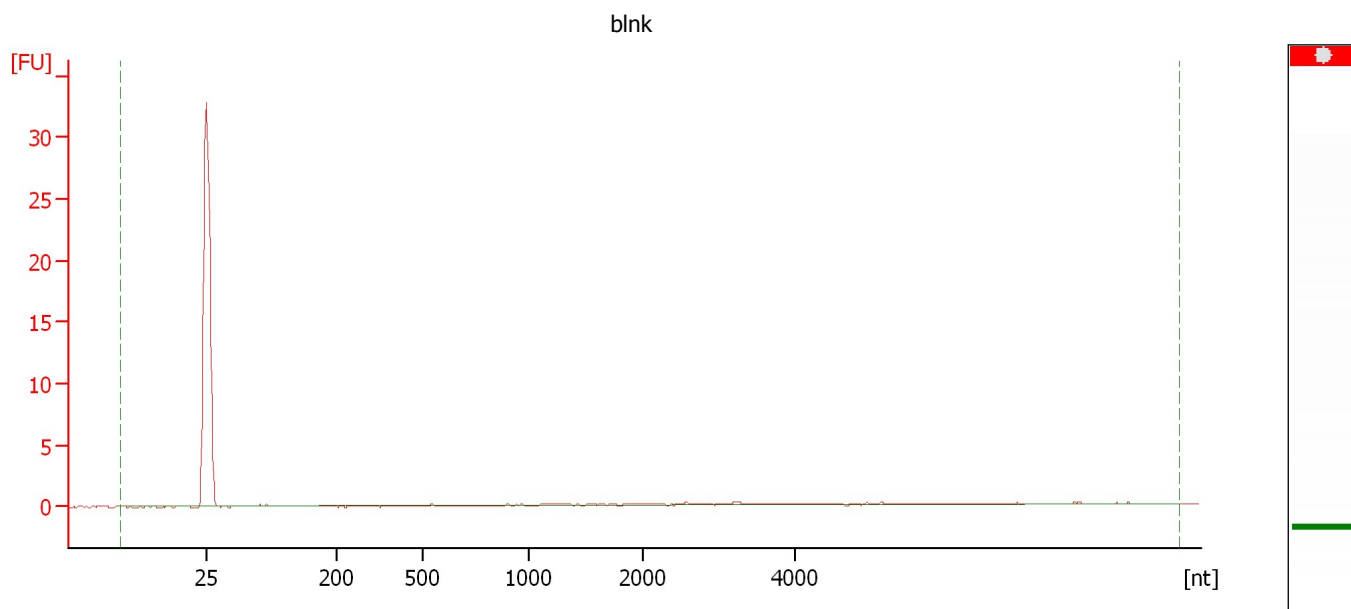
Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : blnk**

RNA Area:	5.1	RNA Integrity Number (RIN):	1.6 (B.02.07)
RNA Concentration:	12 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

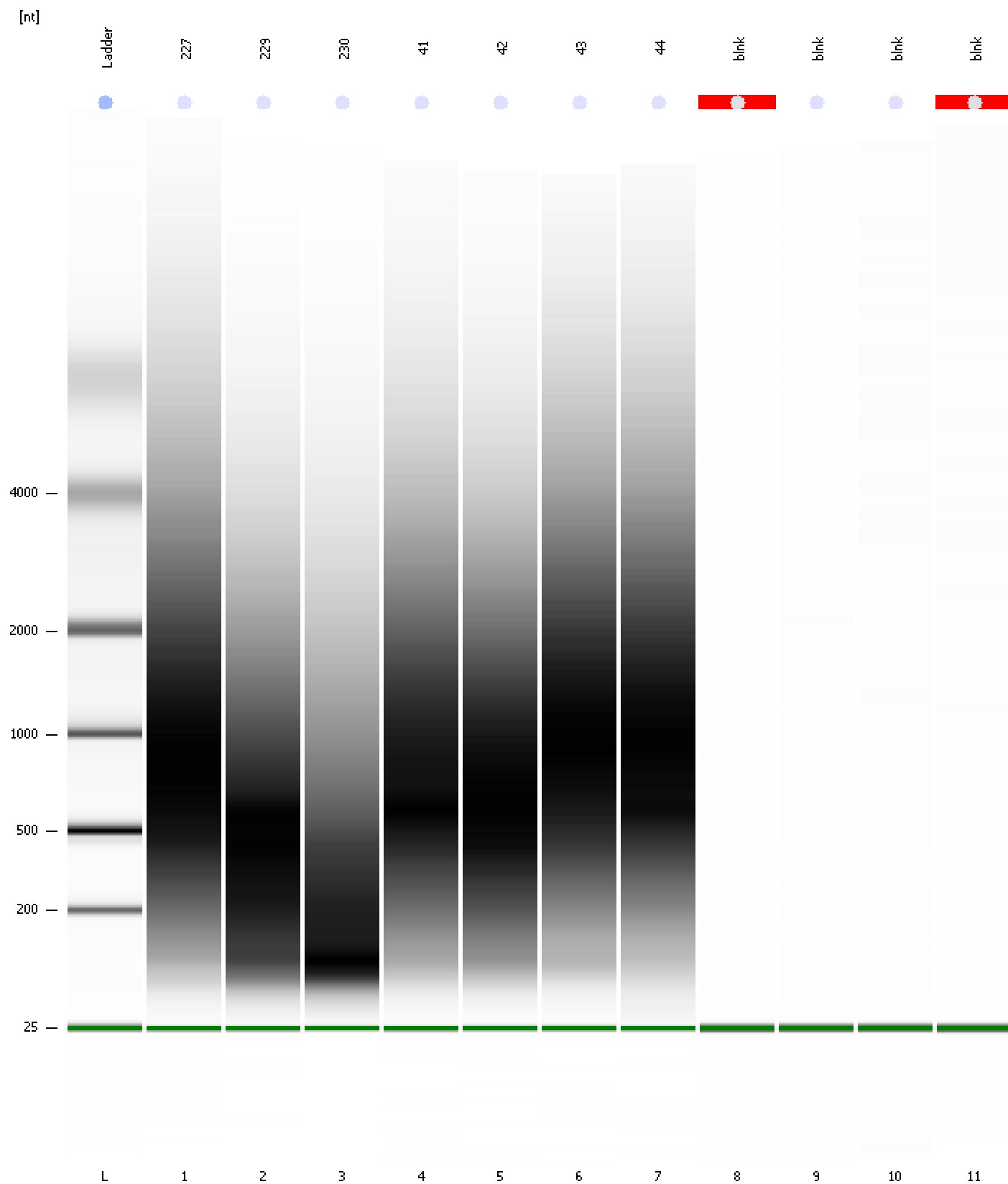
Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : blnk**

RNA Area:	2.2	RNA Integrity Number (RIN):	N/A (B.02.07)
RNA Concentration:	5 pg/ $\mu$ l	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

**Gel Image**

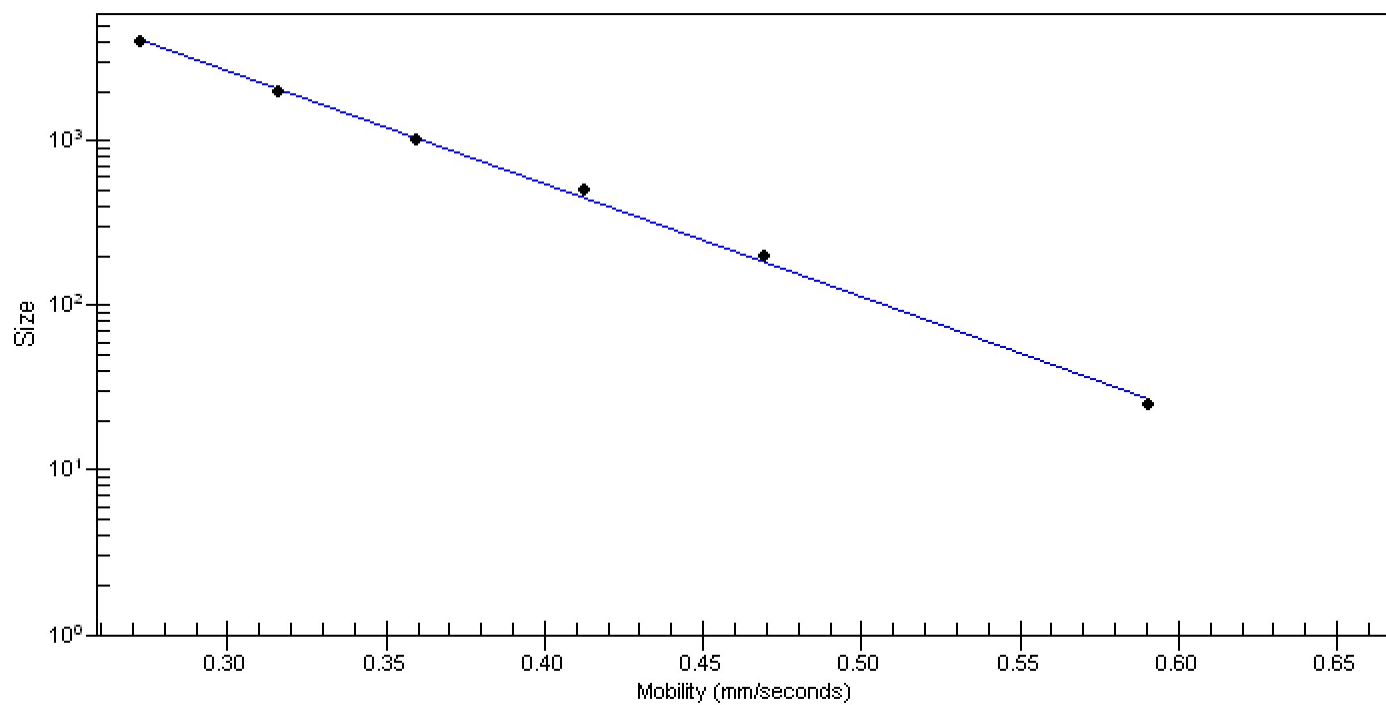


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
Modified: 12/15/2016 6:17:14 PM

## Curves

### Standard Curve



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...Eukaryote Total RNA Pico\_DE72902486\_2016-12-15\_17-54-16.xad

Created: 12/15/2016 5:54:16 PM  
 Modified: 12/15/2016 6:17:14 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/15/2016 6:17:09 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2016-12-15\2100 expert_Eukaryote Total RNA Pico_DE72902486_2016-12-15_17-54-16.xad)		Instrument	Run		12/15/2016 5:54:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Product Number : G2939A		Instrument	Run		12/15/2016 5:54:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		12/15/2016 5:54:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		12/15/2016 5:54:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Serial# : DE72902486		Instrument	Run		12/15/2016 5:54:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		12/15/2016 5:54:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Cartridge : Electrode		Instrument	Run		12/15/2016 5:54:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01