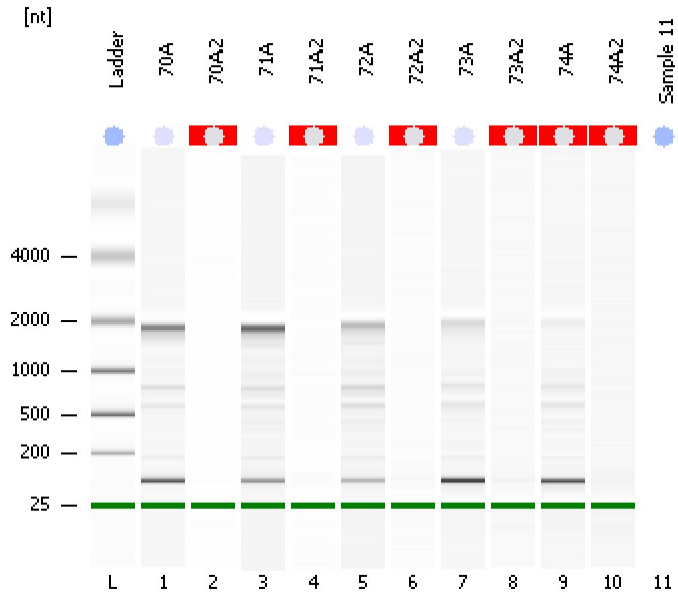


Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
 Modified: 8/20/2015 11:00:31 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

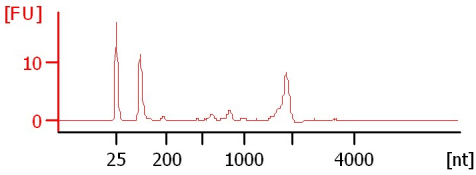
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\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.

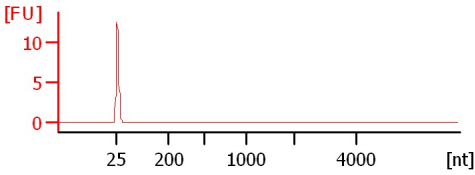
Chip Information:

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

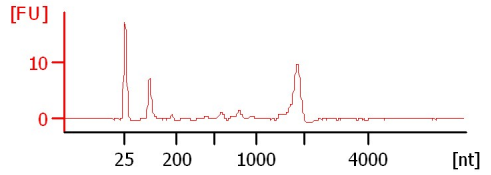
**70A**  
 RIN: 6.30



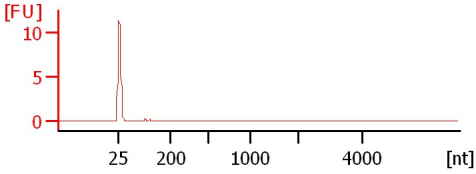
**70A.2**  
 RIN N/A



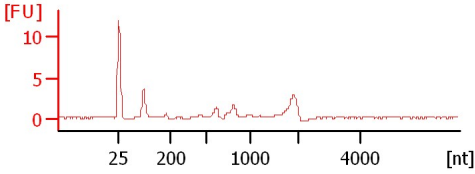
**71A**  
 RIN: 5.20



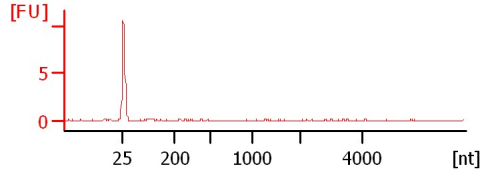
**71A.2**  
 RIN N/A



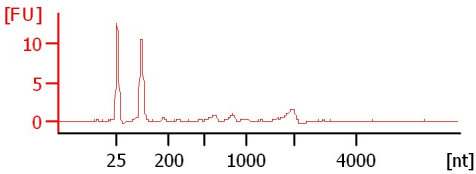
**72A**  
 RIN: 4



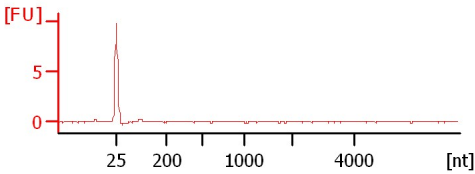
**72A.2**  
 RIN N/A



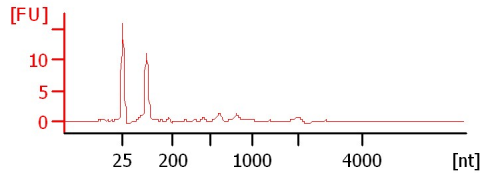
**73A**  
 RIN: 2.40



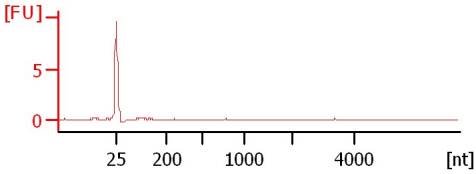
**73A.2**  
 RIN N/A



**74A**  
 RIN N/A



**74A.2**  
 RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
 Modified: 8/20/2015 11:00:31 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
70A		✓	RIN: 6.30	
70A.2		✓	RIN N/A	
71A		✓	RIN: 5.20	
71A.2		✓	RIN N/A	
72A		✓	RIN:4	
72A.2		✓	RIN N/A	
73A		✓	RIN: 2.40	
73A.2		✓	RIN N/A	
74A		✓	RIN N/A	
74A.2		✓	RIN N/A	
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**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

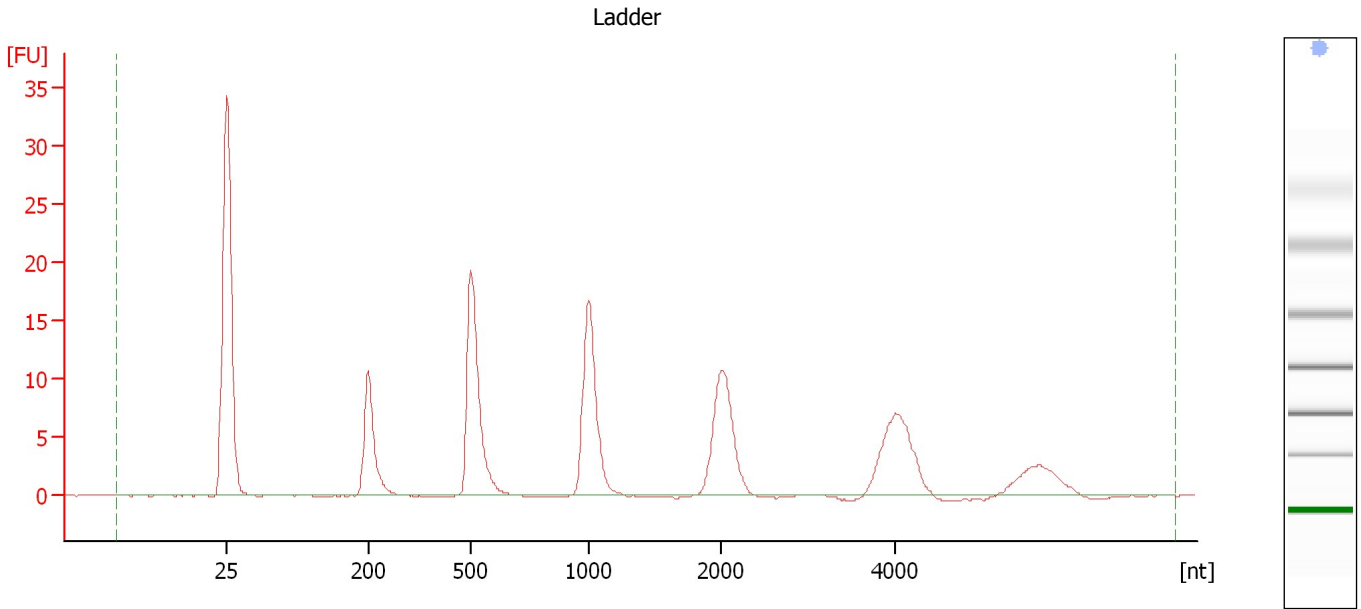
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary**



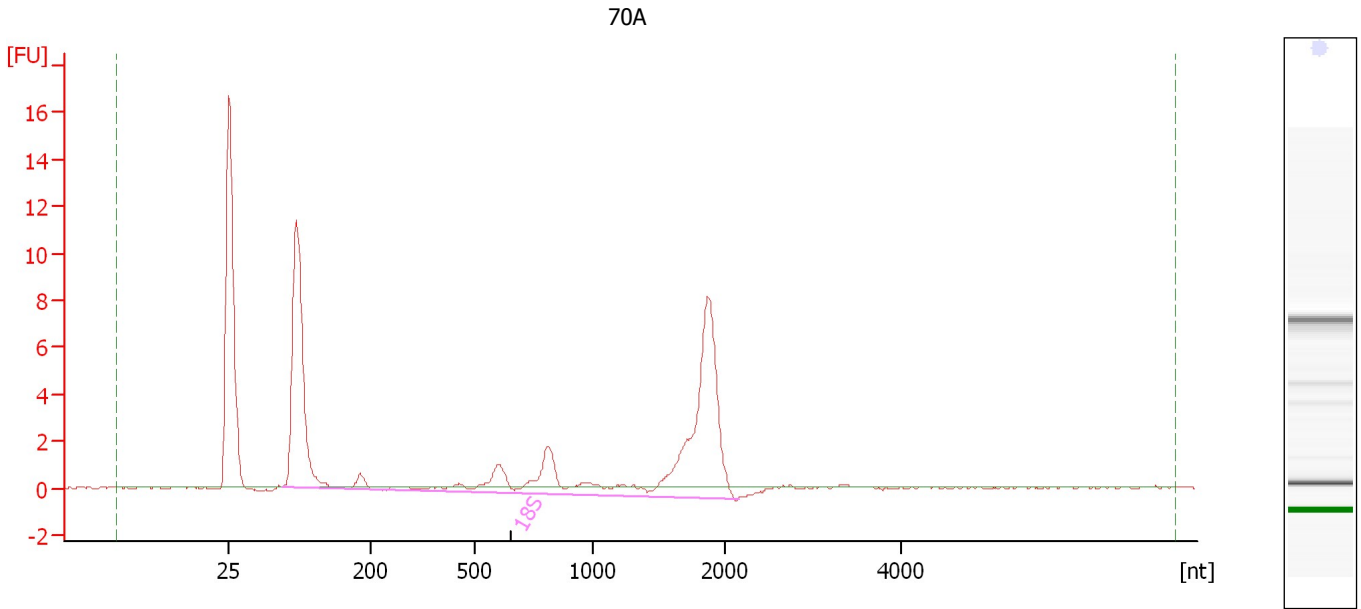
**Overall Results for Ladder**

RNA Area:	135.2	Result Flagging Color:	<span style="background-color: blue; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 70A**

RNA Area:	48.2	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	357 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.30

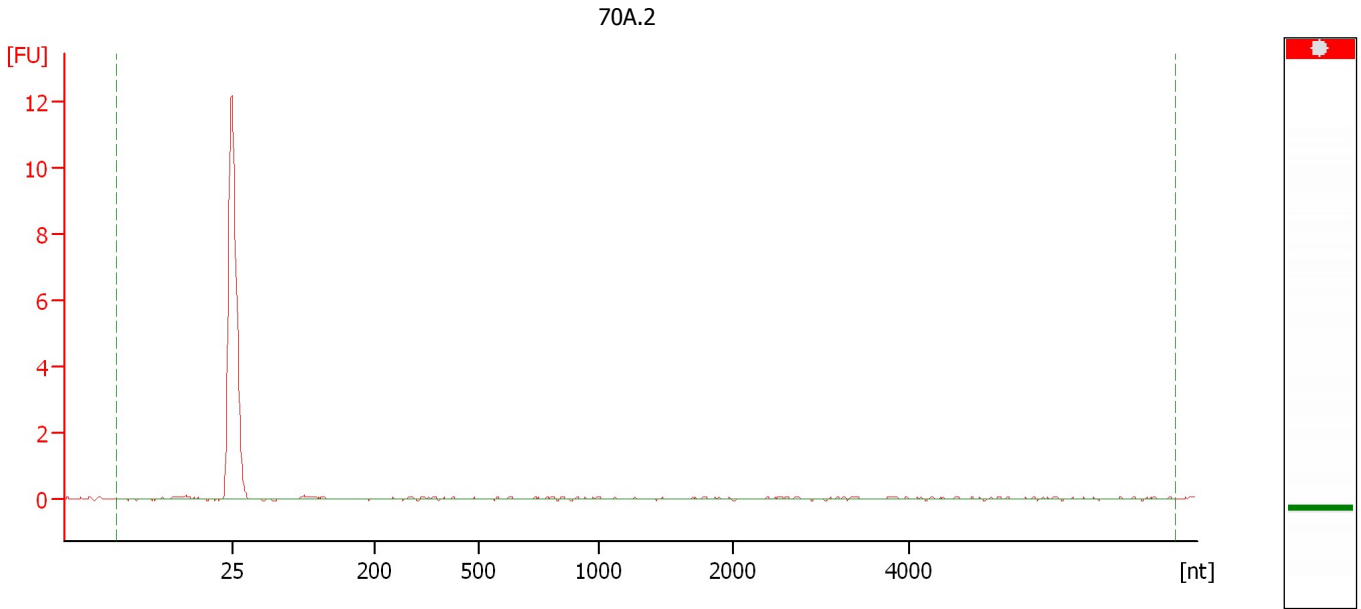
**Fragment table for sample 1 : 70A**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	90	2,154	58.3	120.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



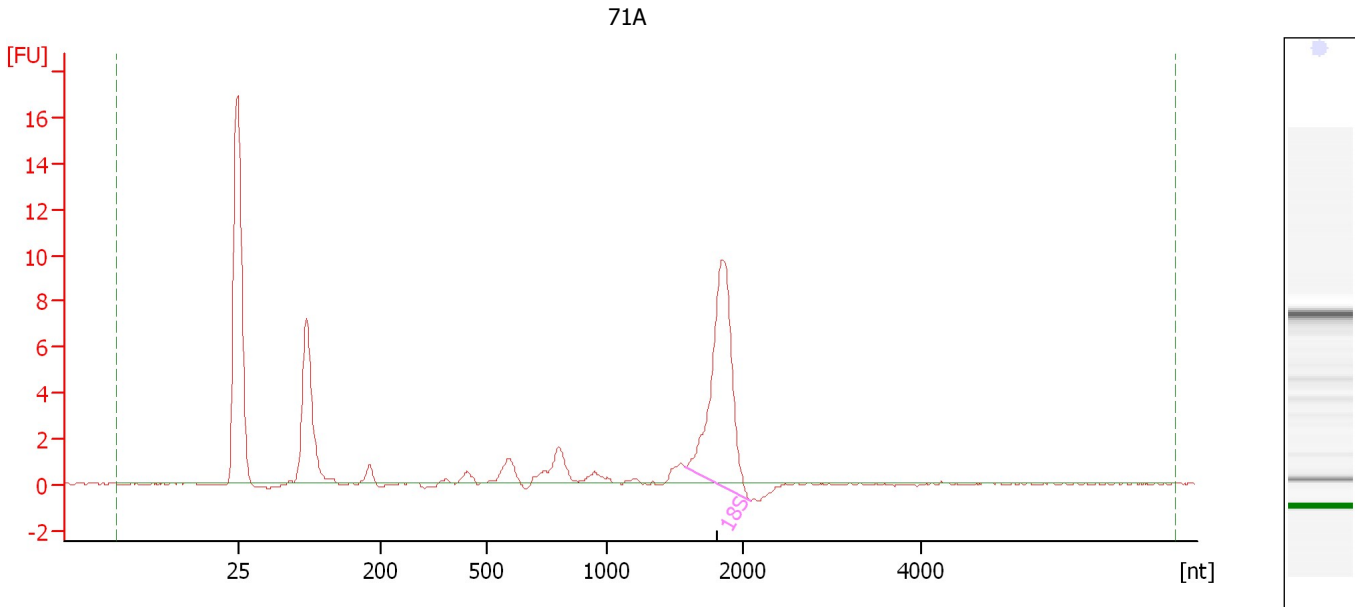
**Overall Results for sample 2 : 70A.2**

RNA Area:	2.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	19 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 71A**

RNA Area:	47.2	RNA Integrity Number (RIN):	5.2 (B.02.08)
RNA Concentration:	349 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.20

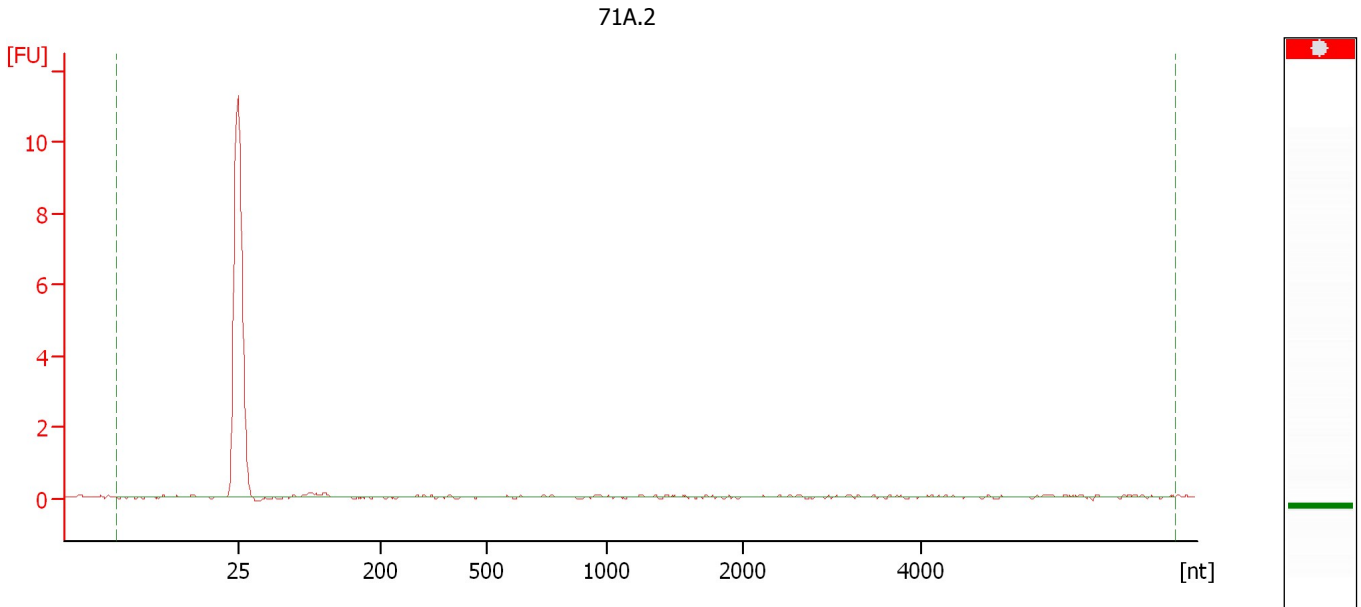
**Fragment table for sample 3 : 71A**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	2,091	22.8	48.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 71A.2**

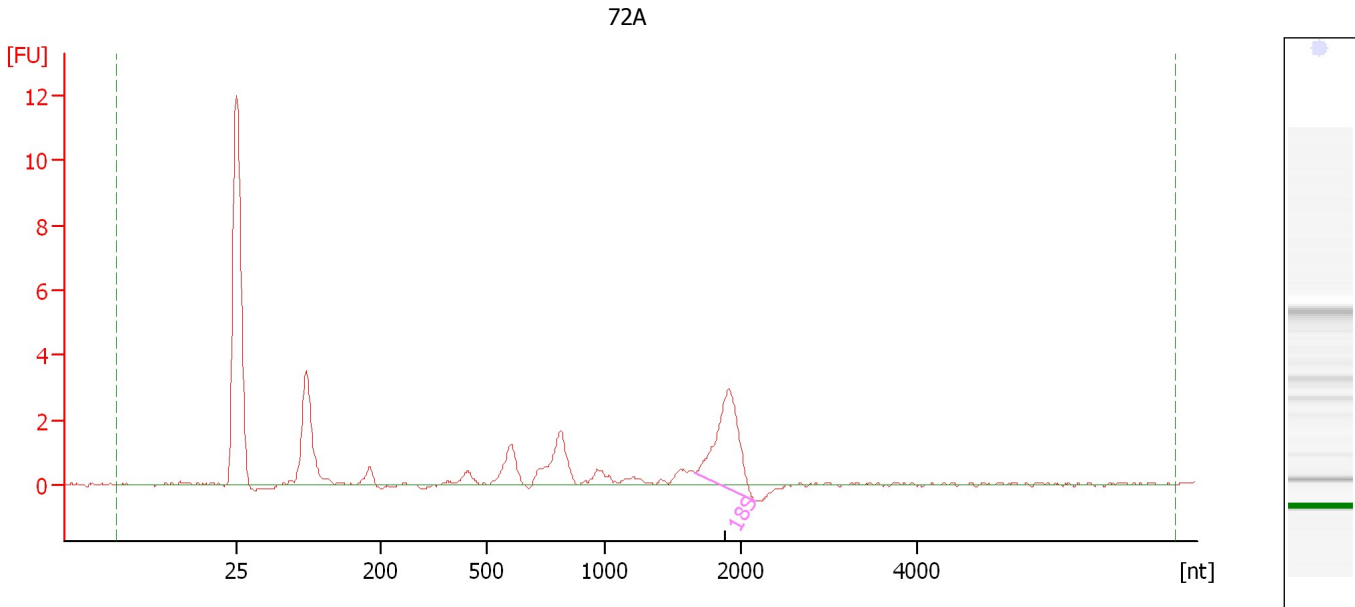
RNA Area:	1.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 72A**

RNA Area:	25.8	RNA Integrity Number (RIN):	4 (B.02.08)
RNA Concentration:	191 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:4

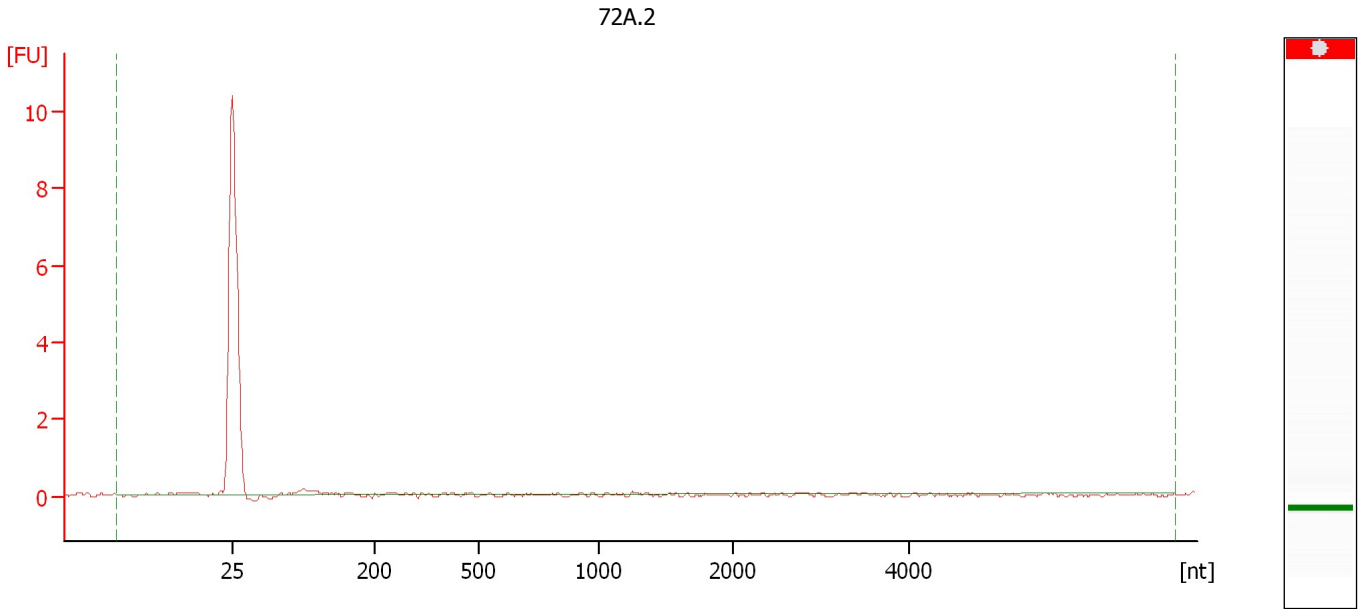
**Fragment table for sample 5 : 72A**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,655	2,163	7.6	29.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



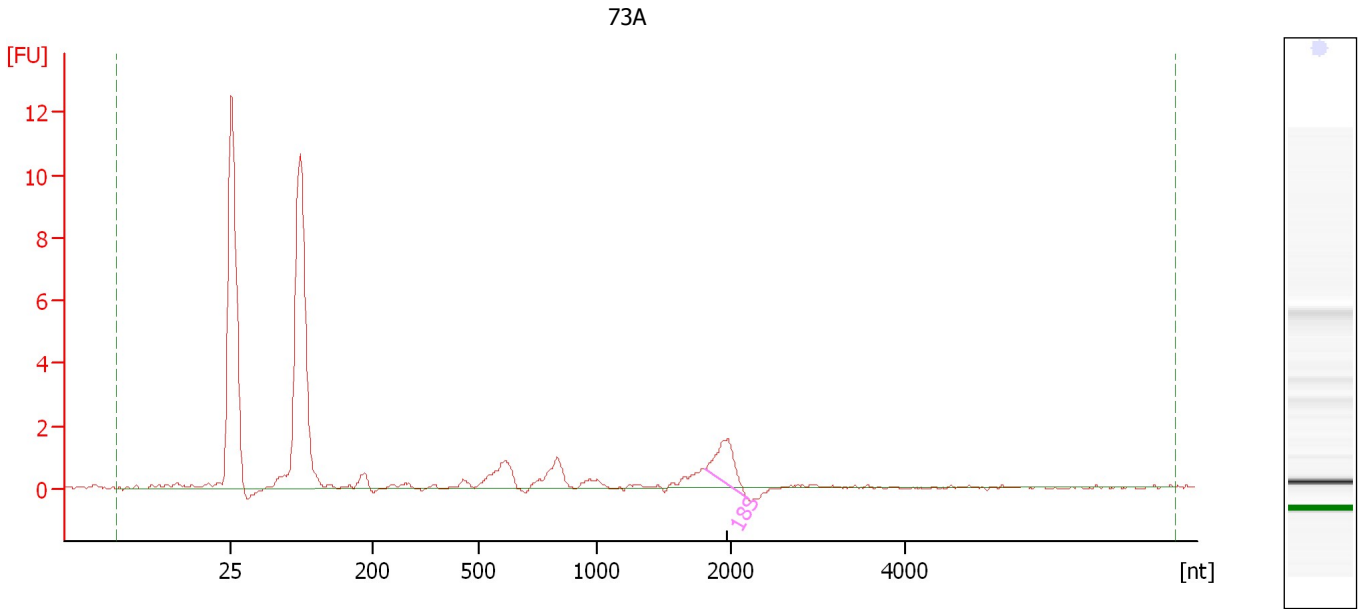
**Overall Results for sample 6 : 72A.2**

RNA Area:	1.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 73A**

RNA Area:	34.2	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	253 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

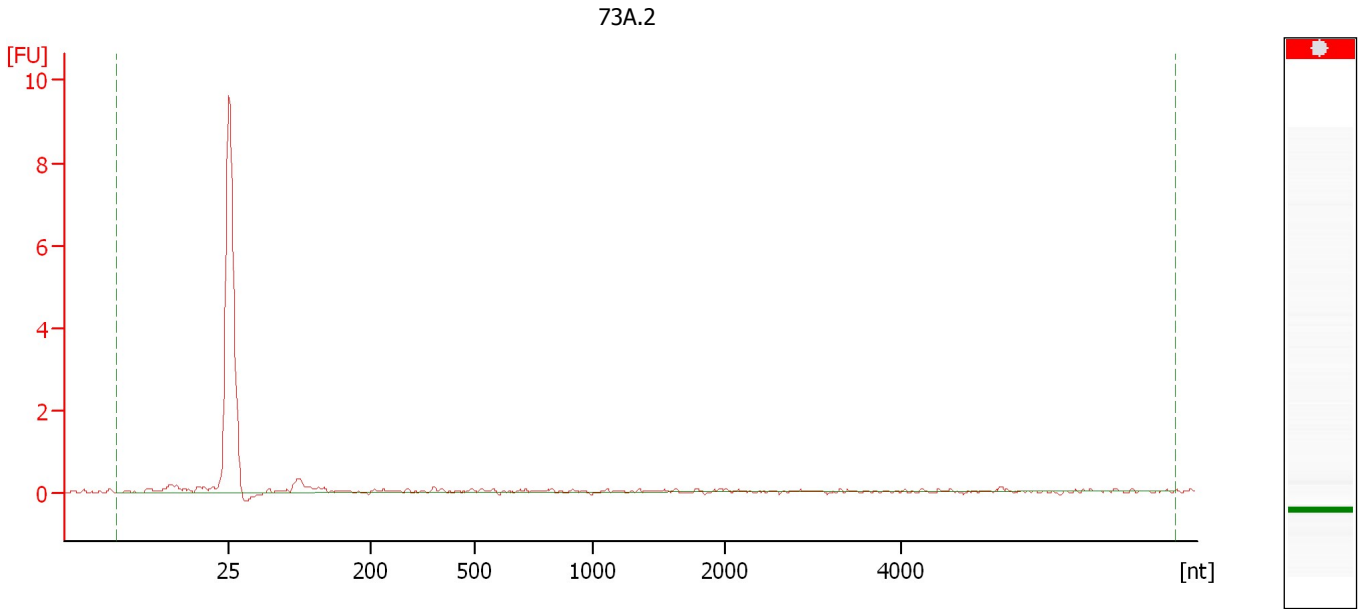
**Fragment table for sample 7 : 73A**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,809	2,209	3.0	8.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



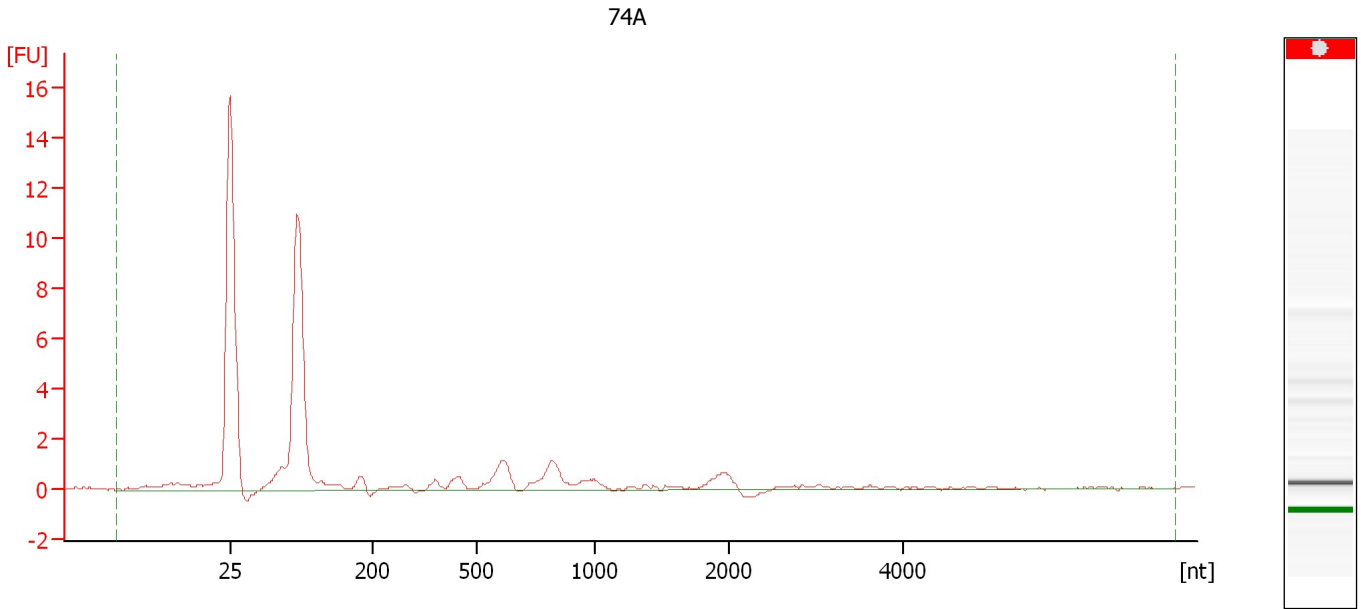
**Overall Results for sample 8 : 73A.2**

RNA Area:	4.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	31 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



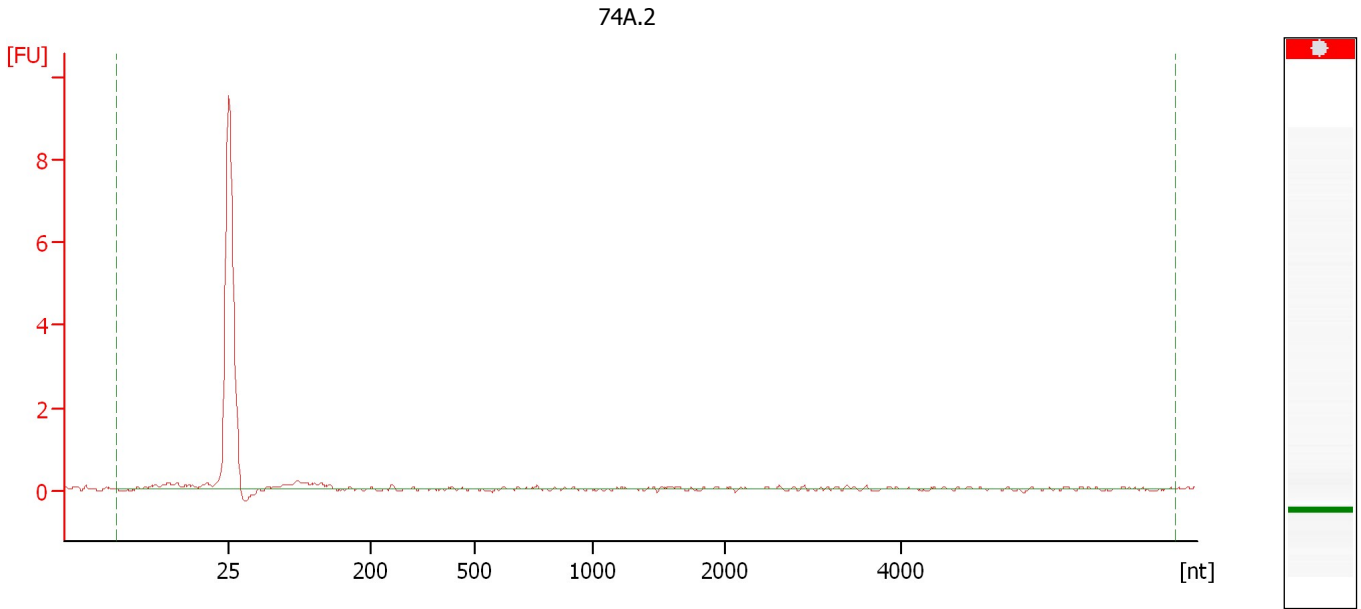
**Overall Results for sample 9 : 74A**

RNA Area:	39.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	294 µg/µl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 74A.2**

RNA Area:	2.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	22 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-20\2015-08-20\_002.xad

Created: 8/20/2015 10:32:58 AM  
Modified: 8/20/2015 11:00:31 AM

**Gel Image**

