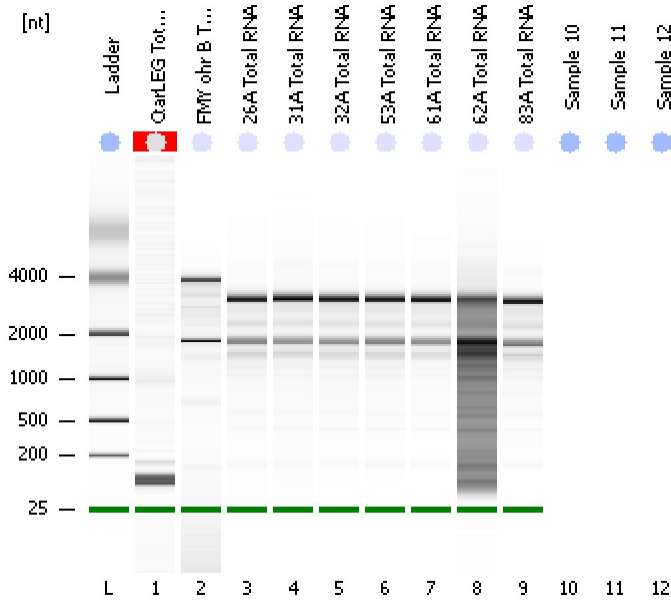


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electrophoresis File Run Summary**



Instrument Information:

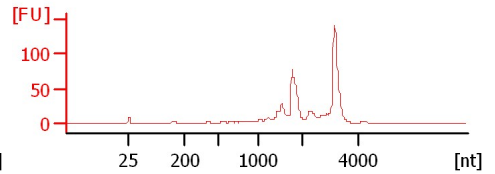
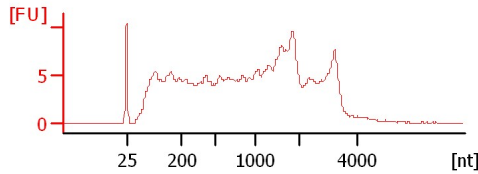
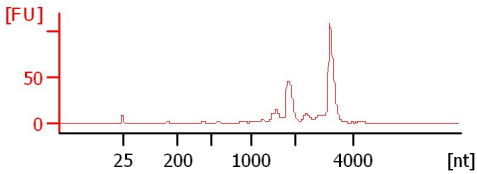
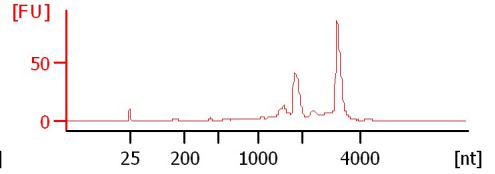
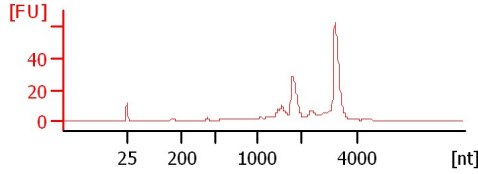
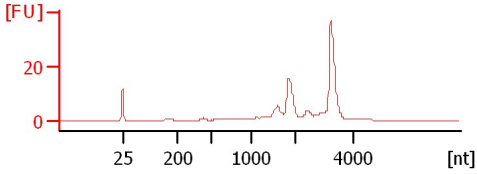
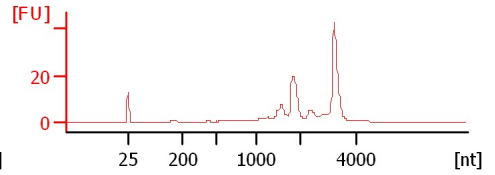
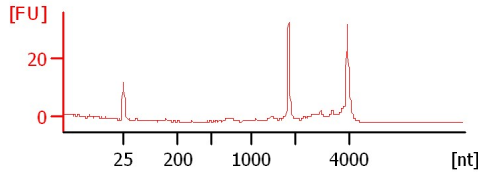
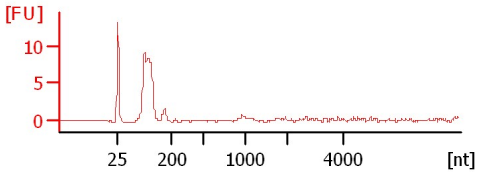
Instrument Name: DE13701086      Firmware: C.01.069  
 Serial#: DE13701086      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
 Assay Class: Eukaryote Total RNA Nano  
 Version: 2.6  
 Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
Modified: 12/18/2013 1:56:04 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
CtarLEG Total RNA		✓	RIN N/A	
FMY ohr B Total RNA		✓	RIN: 9.60	
26A Total RNA		✓	RIN: 8.30	
31A Total RNA		✓	RIN: 8.30	
32A Total RNA		✓	RIN: 8.30	
53A Total RNA		✓	RIN: 8.30	
61A Total RNA		✓	RIN: 8.40	
62A Total RNA		✓	RIN: 3.80	
83A Total RNA		✓	RIN: 8.30	
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
Modified: 12/18/2013 1:56:04 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

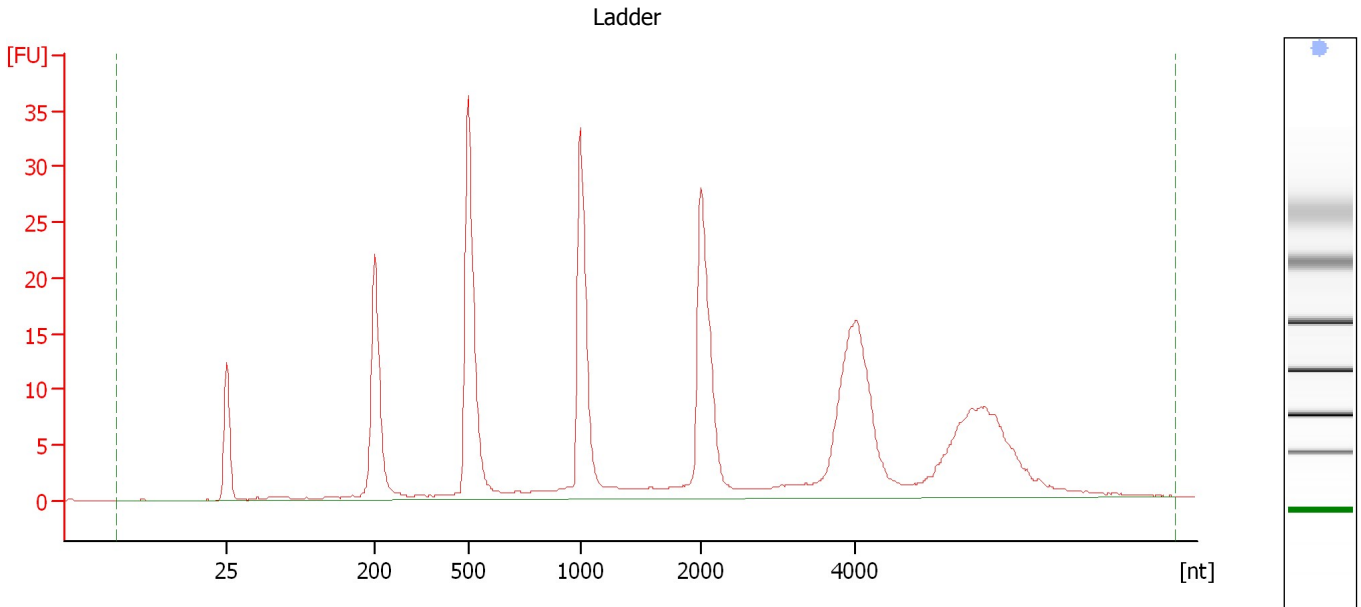
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary**



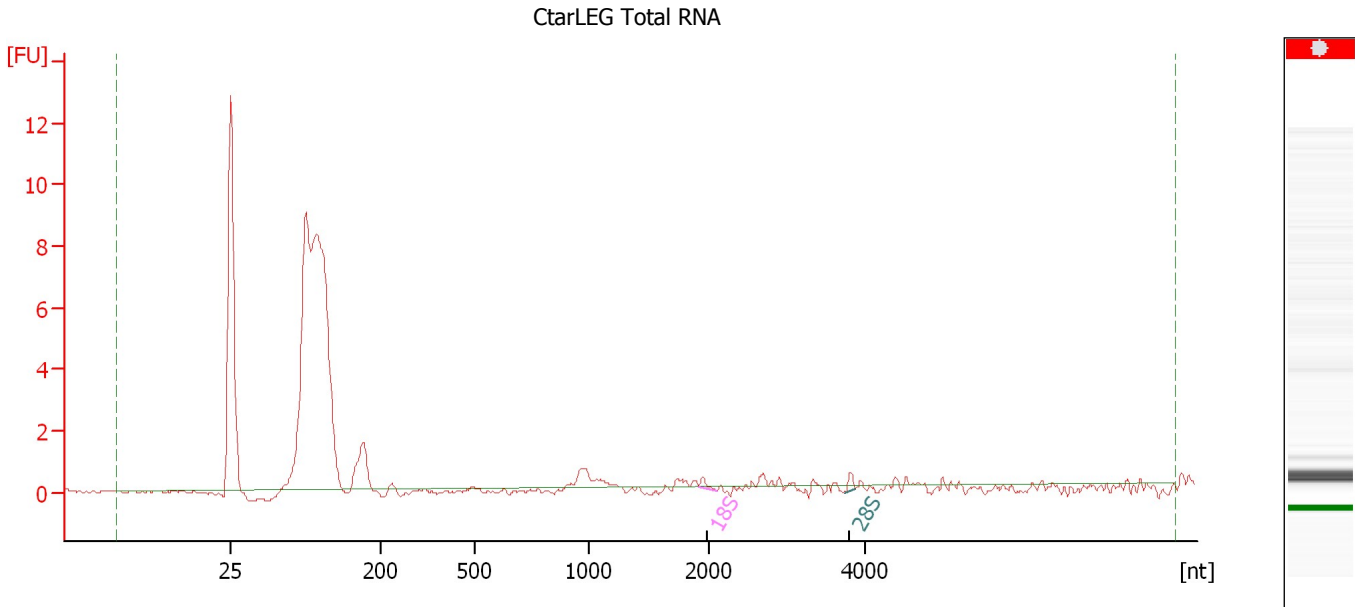
**Overall Results for Ladder**

RNA Area:	293.6	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : CtarLEG Total RNA**

RNA Area:	47.1	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	24 ng/μl		
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Color:	<span style="border: 1px solid gray; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN N/A

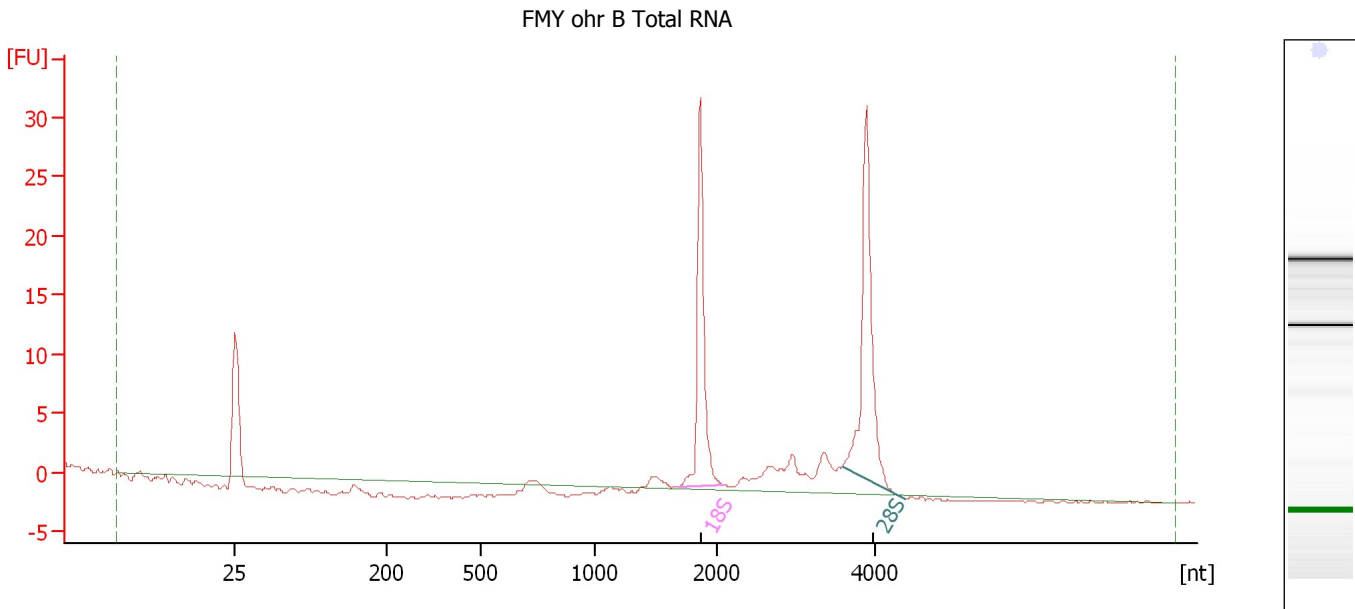
**Fragment table for sample 1 : CtarLEG Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,906	2,101	0.3	0.6
28S	3,755	3,879	0.2	0.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : FMY ohr B Total RNA**

RNA Area:	81.3	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	42 ng/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]:	1.1	Result Flagging Label:	RIN: 9.60

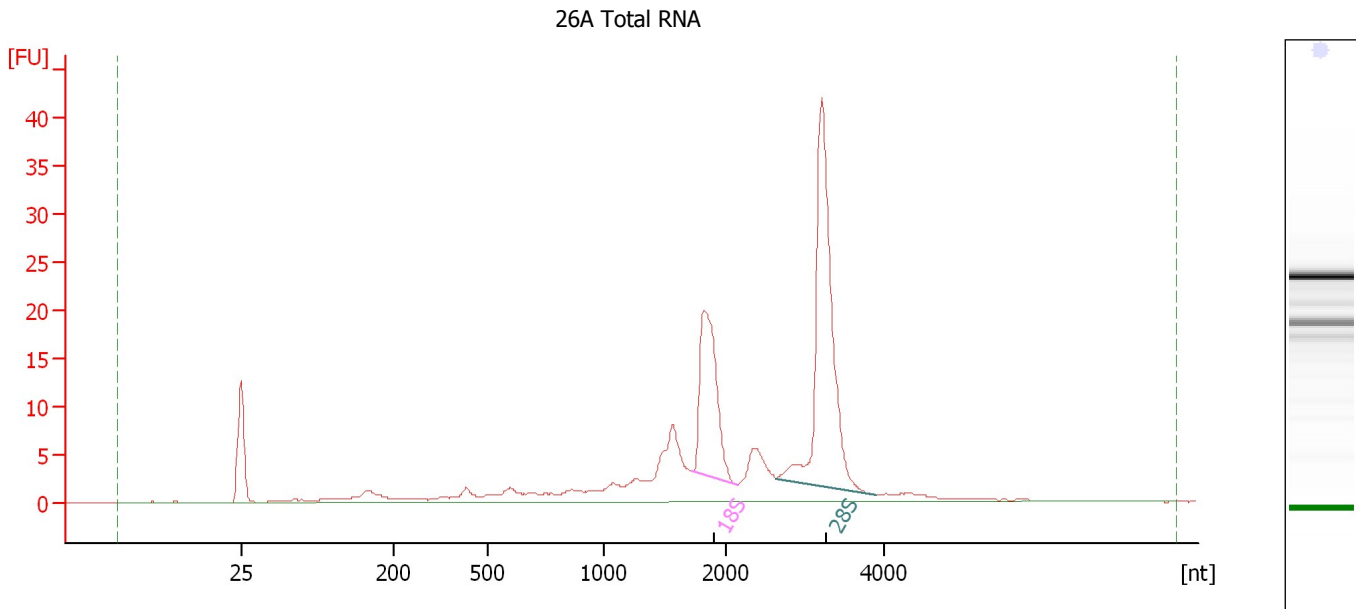
**Fragment table for sample 2 : FMY ohr B Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,065	25.6	31.5
28S	3,596	4,388	29.3	36.0

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 26A Total RNA**

RNA Area:	199.3	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	102 ng/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]:	1.9	Result Flagging Label:	RIN: 8.30

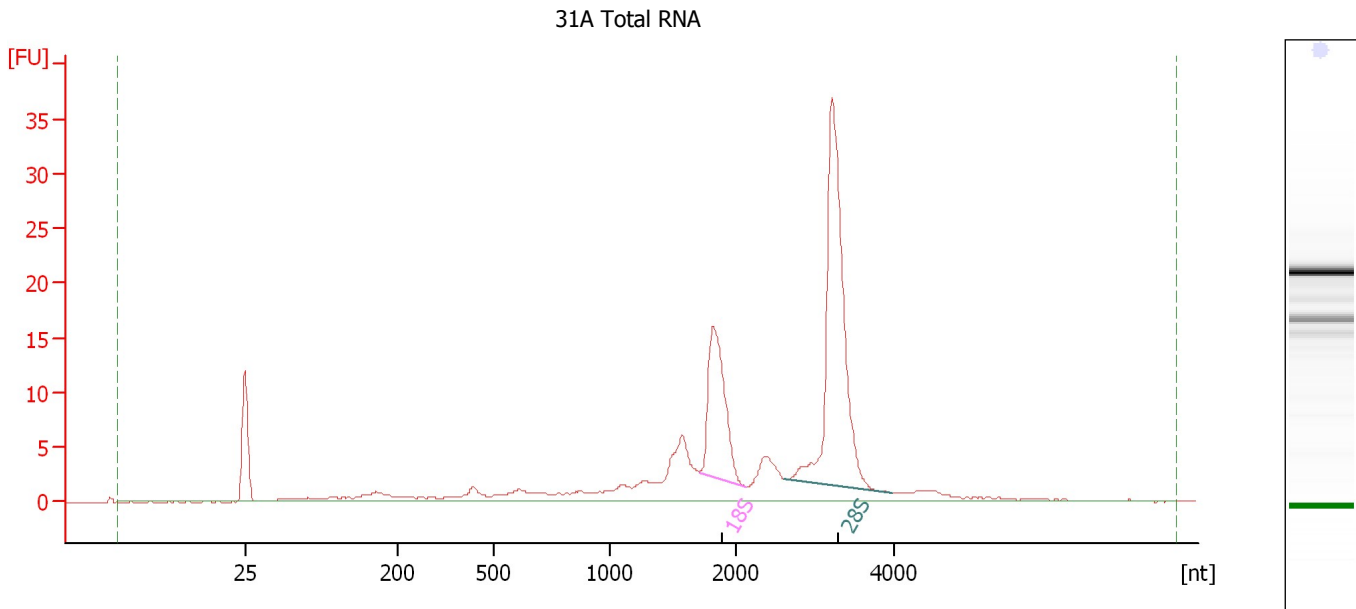
**Fragment table for sample 3 : 26A Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,138	33.4	16.7
28S	2,626	3,887	63.4	31.8

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 31A Total RNA**

RNA Area:	171.7	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	88 ng/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]:	2.4	Result Flagging Label:	RIN: 8.30

**Fragment table for sample 4 : 31A Total RNA**

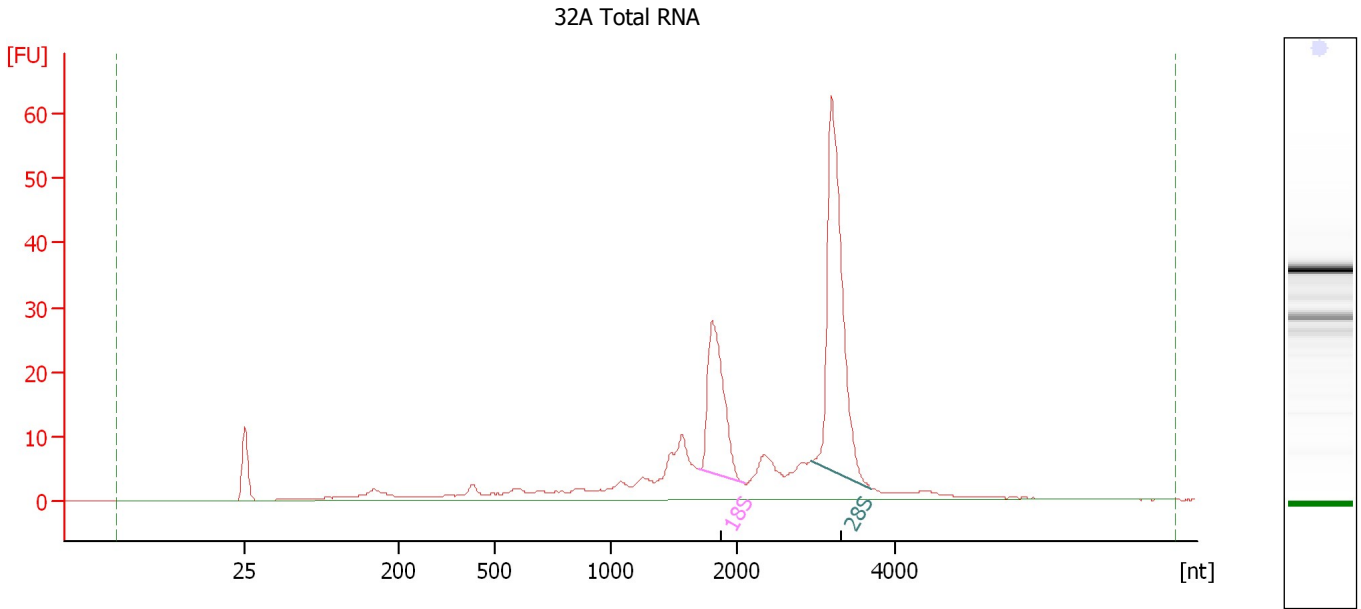
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,142	25.5	14.8
28S	2,626	3,985	59.9	34.9



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 32A Total RNA**

RNA Area:	290.4	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	148 ng/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]:	2.0	Result Flagging Label:	RIN: 8.30

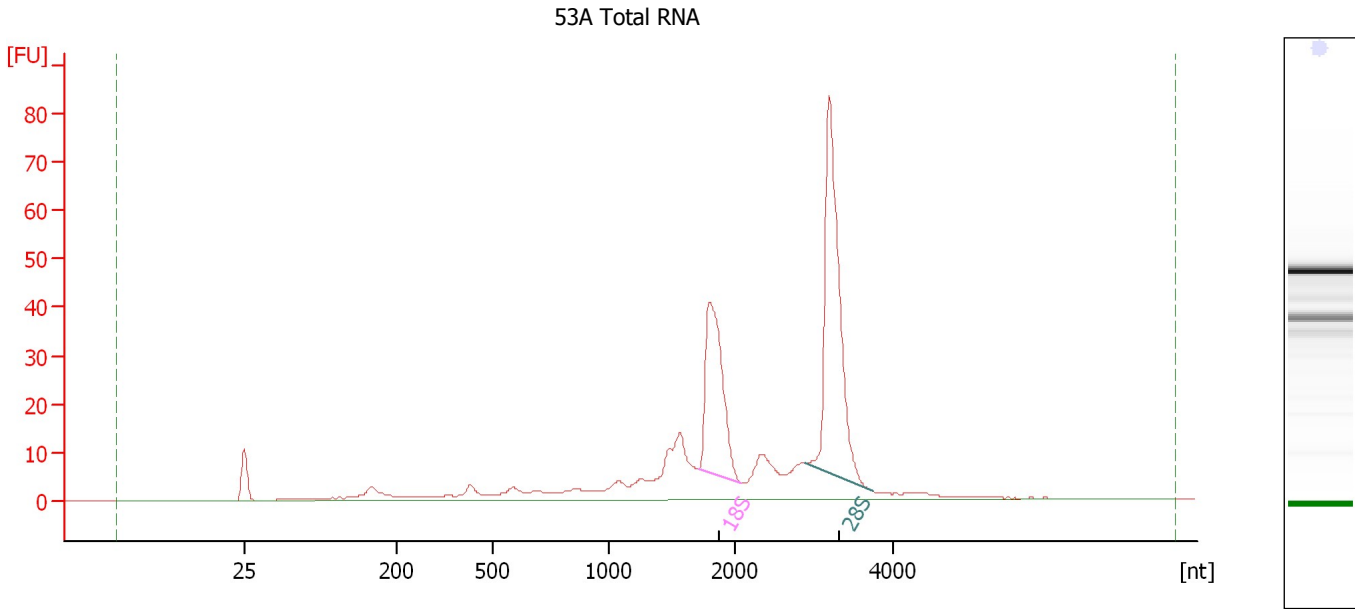
**Fragment table for sample 5 : 32A Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,103	42.8	14.7
28S	2,949	3,700	86.3	29.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 53A Total RNA**

RNA Area: 397.1 RNA Integrity Number (RIN): 8.3 (B.02.08)  
RNA Concentration: 203 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.30

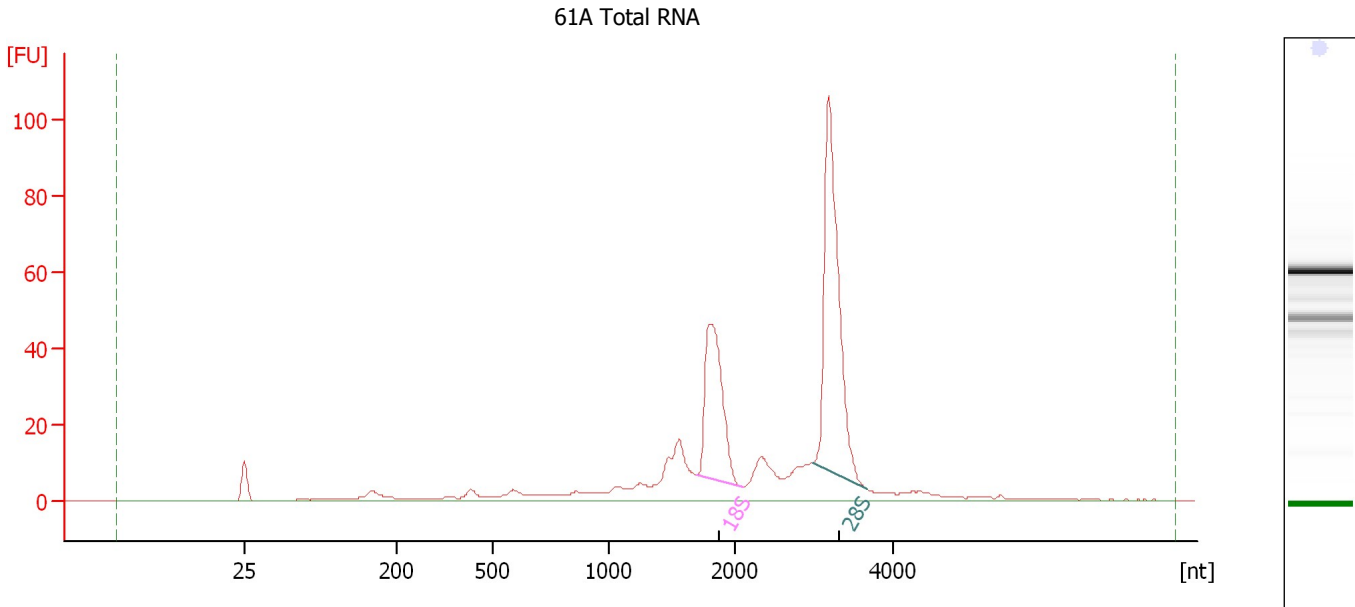
**Fragment table for sample 6 : 53A Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,088	67.9	17.1
28S	2,895	3,743	113.0	28.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 61A Total RNA**

RNA Area:	457.7	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	234 ng/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]:	1.8	Result Flagging Label:	RIN: 8.40

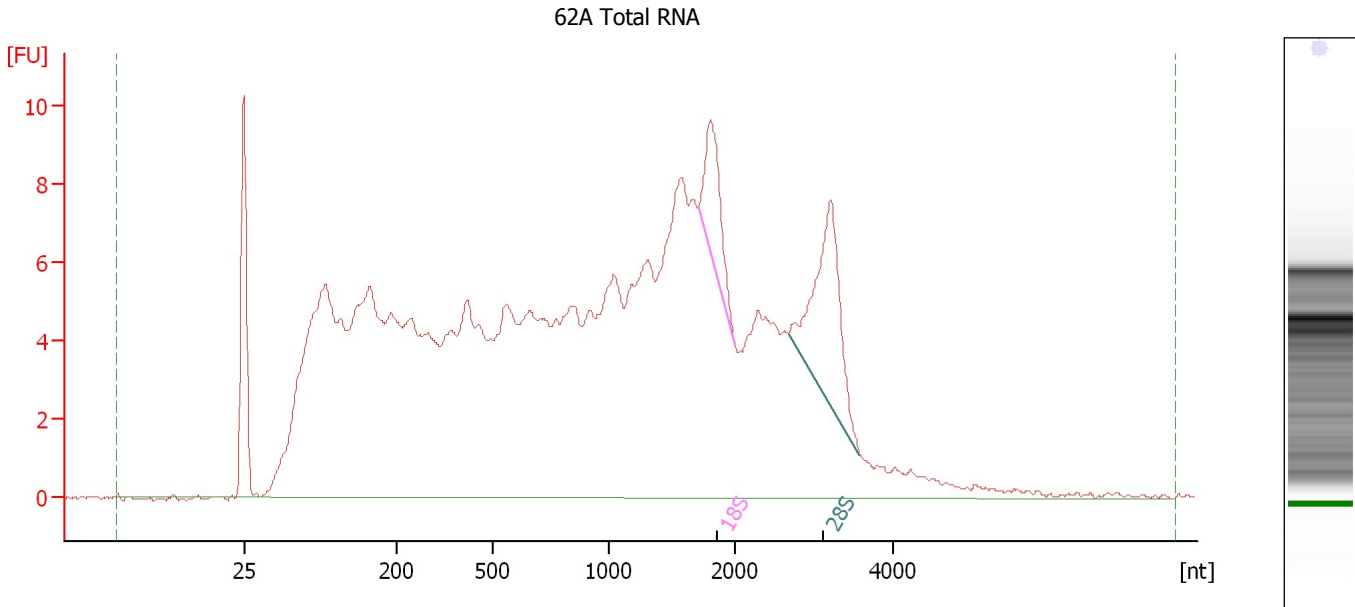
**Fragment table for sample 7 : 61A Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,102	80.1	17.5
28S	2,989	3,676	143.8	31.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 62A Total RNA**

RNA Area:	339.7	RNA Integrity Number (RIN):	3.8 (B.02.08)
RNA Concentration:	174 ng/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]:	2.1	Result Flagging Label:	RIN: 3.80

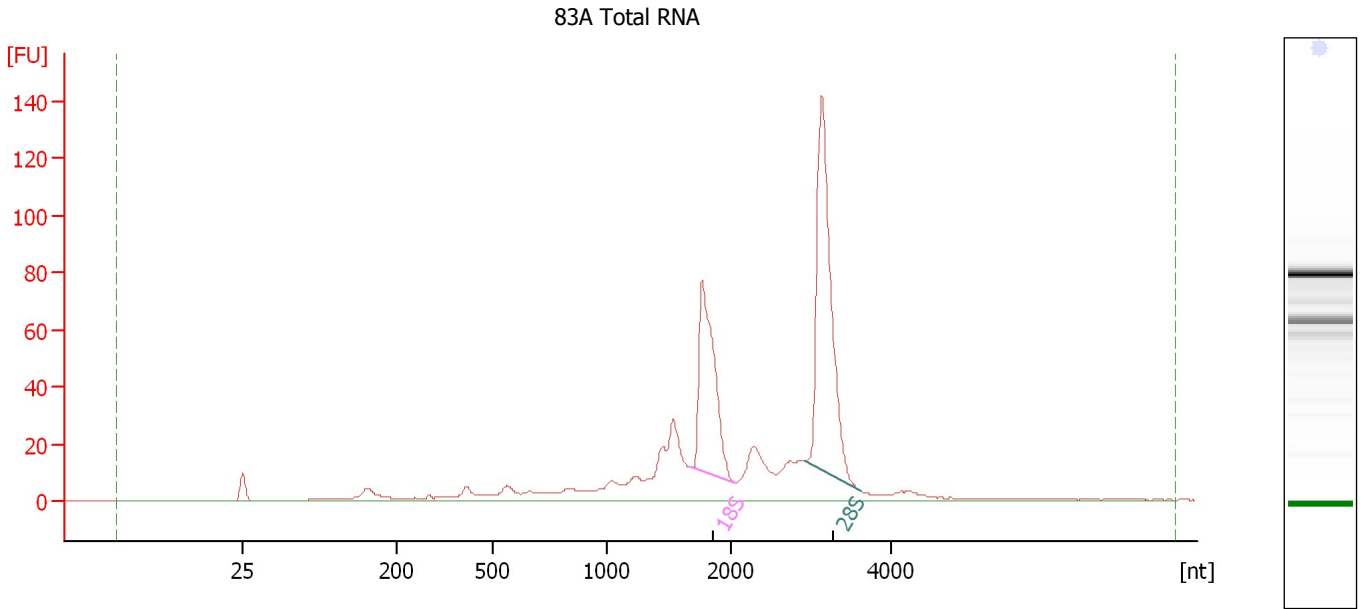
**Fragment table for sample 8 : 62A Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,007	6.3	1.8
28S	2,680	3,581	13.1	3.9

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
 Modified: 12/18/2013 1:56:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 83A Total RNA**

RNA Area:	672.4	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	344 ng/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]:	1.6	Result Flagging Label:	RIN: 8.30

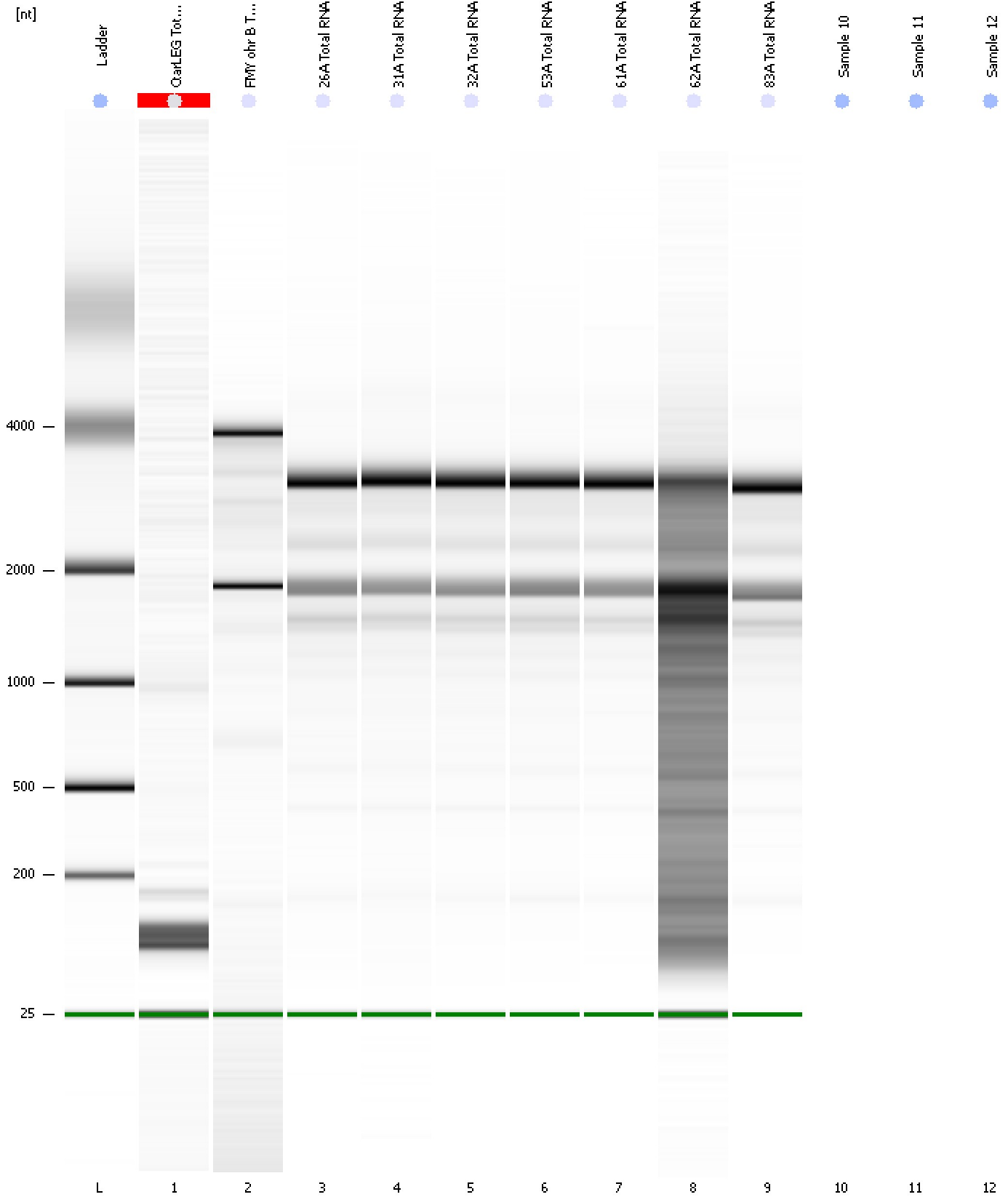
**Fragment table for sample 9 : 83A Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	2,033	117.4	17.5
28S	2,909	3,624	187.3	27.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
Modified: 12/18/2013 1:56:04 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-18\2013-12-18\_003.xad

Created: 12/18/2013 1:29:20 PM  
Modified: 12/18/2013 1:56:04 PM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.