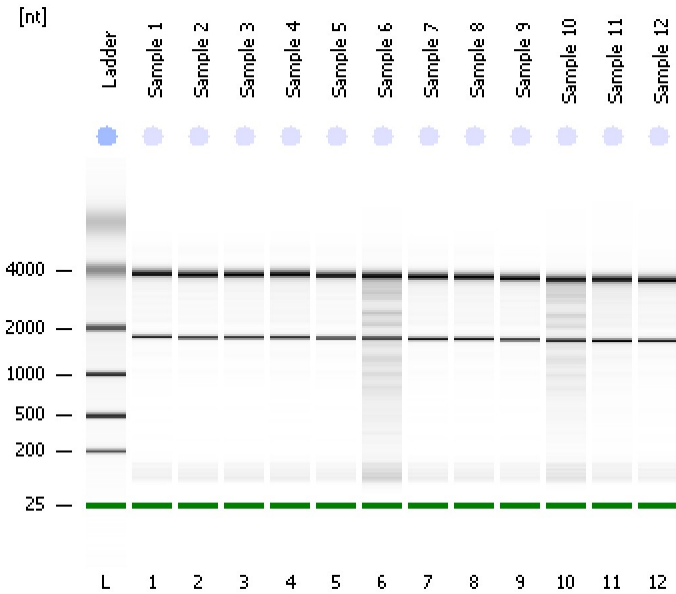


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

### Electrophoresis File Run Summary



#### Instrument Information:

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

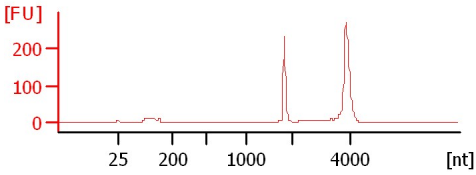
#### Assay Information:

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)  
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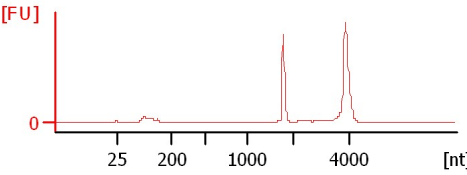
#### Chip Information:

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

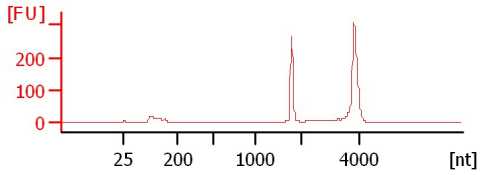
**Sample 1**  
RIN:10



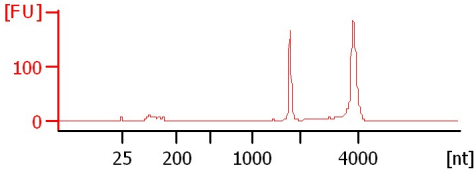
**Sample 2**  
RIN:10



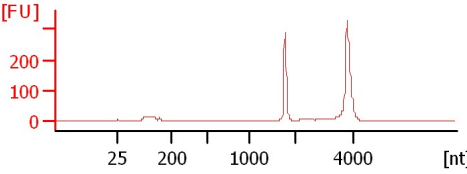
**Sample 3**  
RIN:10



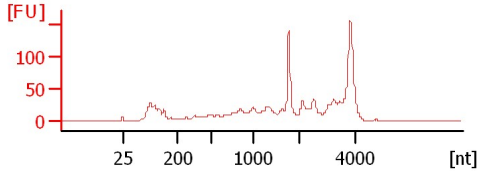
**Sample 4**  
RIN: 9.90



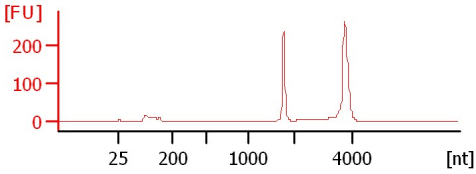
**Sample 5**  
RIN:10



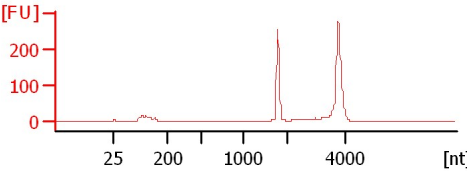
**Sample 6**  
RIN: 7.10



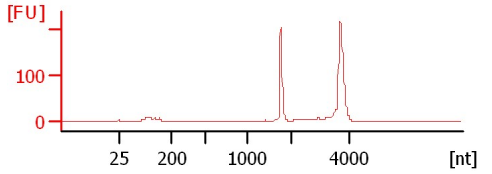
**Sample 7**  
RIN: 9.90



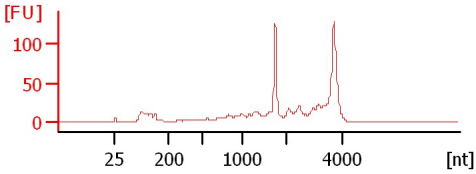
**Sample 8**  
RIN: 9.90



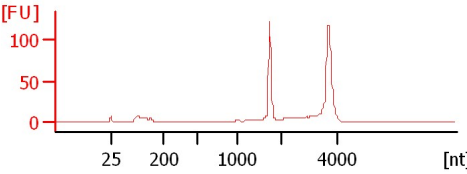
**Sample 9**  
RIN: 9.80



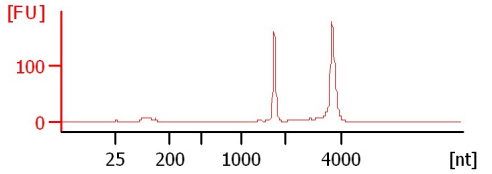
**Sample 10**  
RIN: 7.50



**Sample 11**  
RIN: 9.40



**Sample 12**  
RIN: 9.90



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:10	
Sample 2		✓	RIN:10	
Sample 3		✓	RIN:10	
Sample 4		✓	RIN: 9.90	
Sample 5		✓	RIN:10	
Sample 6		✓	RIN: 7.10	
Sample 7		✓	RIN: 9.90	
Sample 8		✓	RIN: 9.90	
Sample 9		✓	RIN: 9.80	
Sample 10		✓	RIN: 7.50	
Sample 11		✓	RIN: 9.40	
Sample 12		✓	RIN: 9.90	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 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

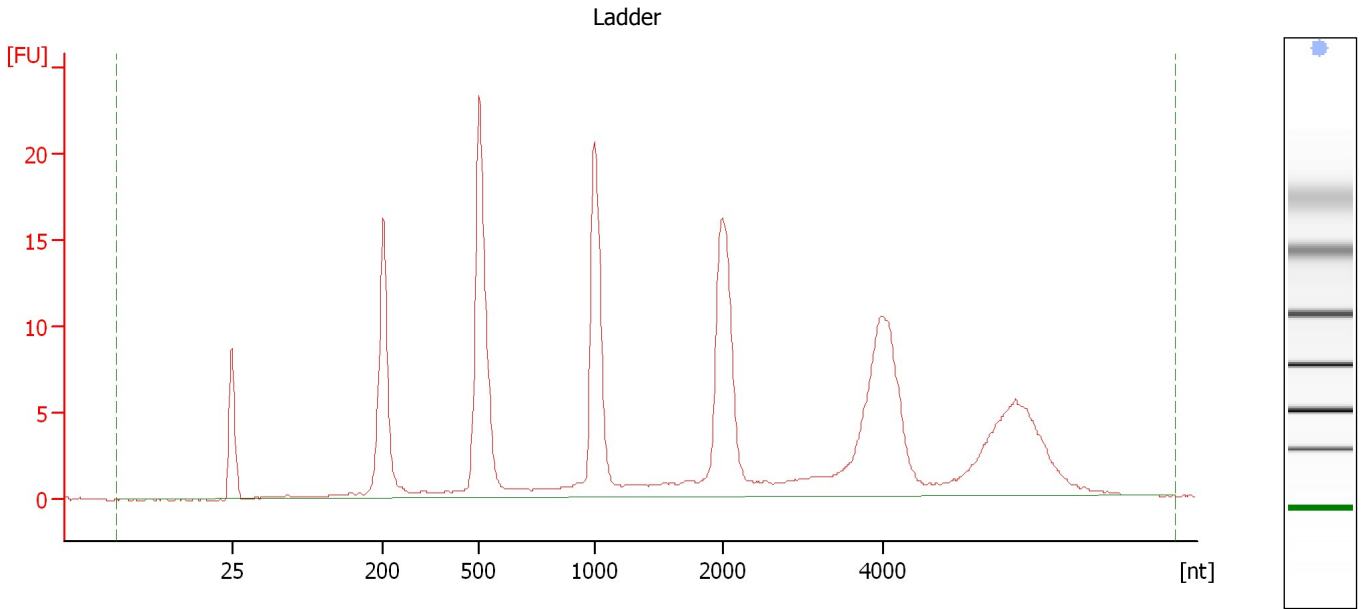
**Ladder**

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\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary**



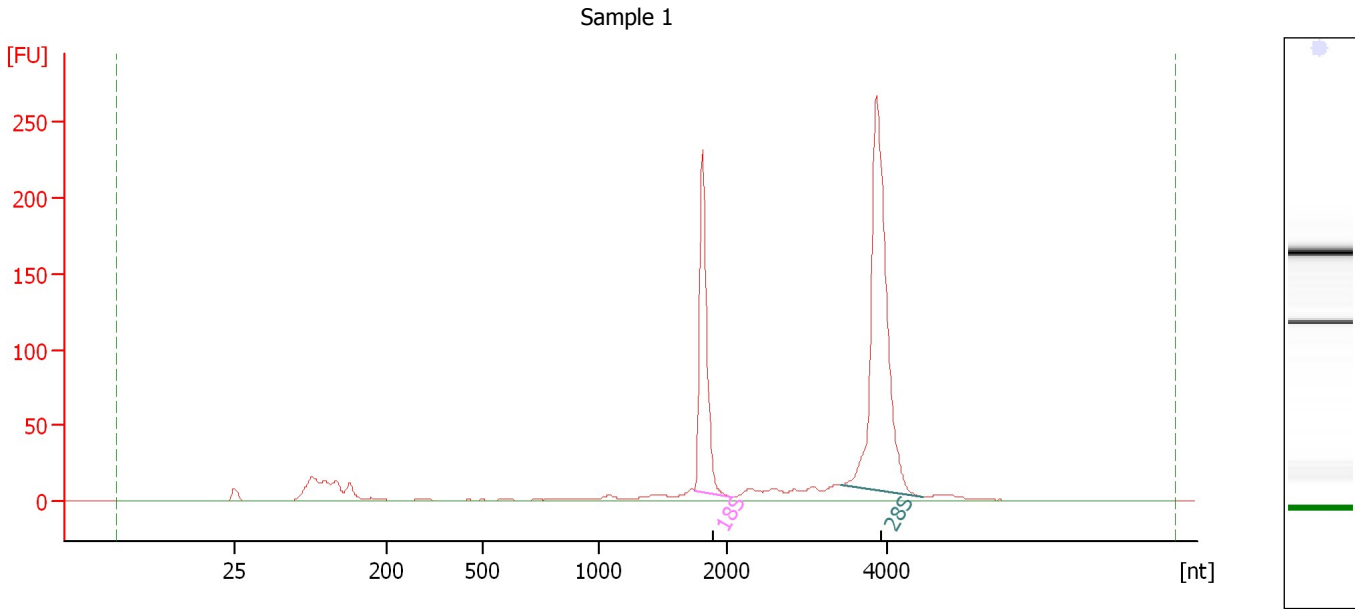
**Overall Results for Ladder**

RNA Area:	212.0	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\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	889.2	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	629 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:10

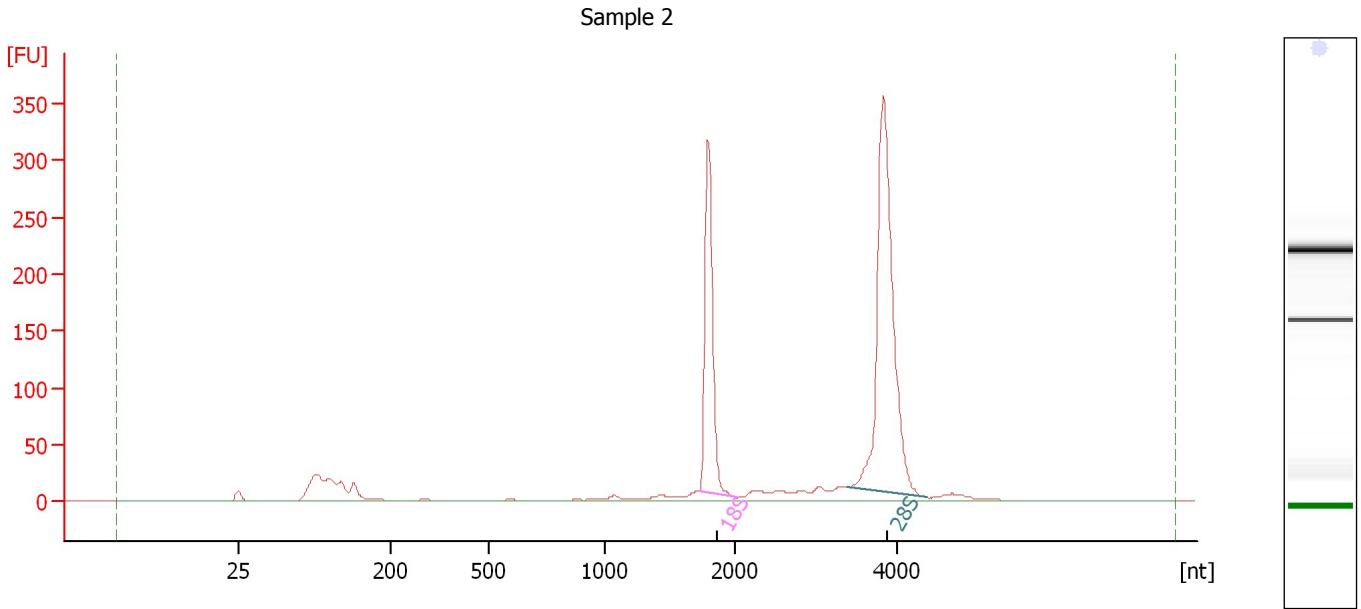
**Fragment table for sample 1 : Sample 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	2,041	193.8	21.8
28S	3,409	4,432	393.8	44.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	1,182.7	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	837 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:10

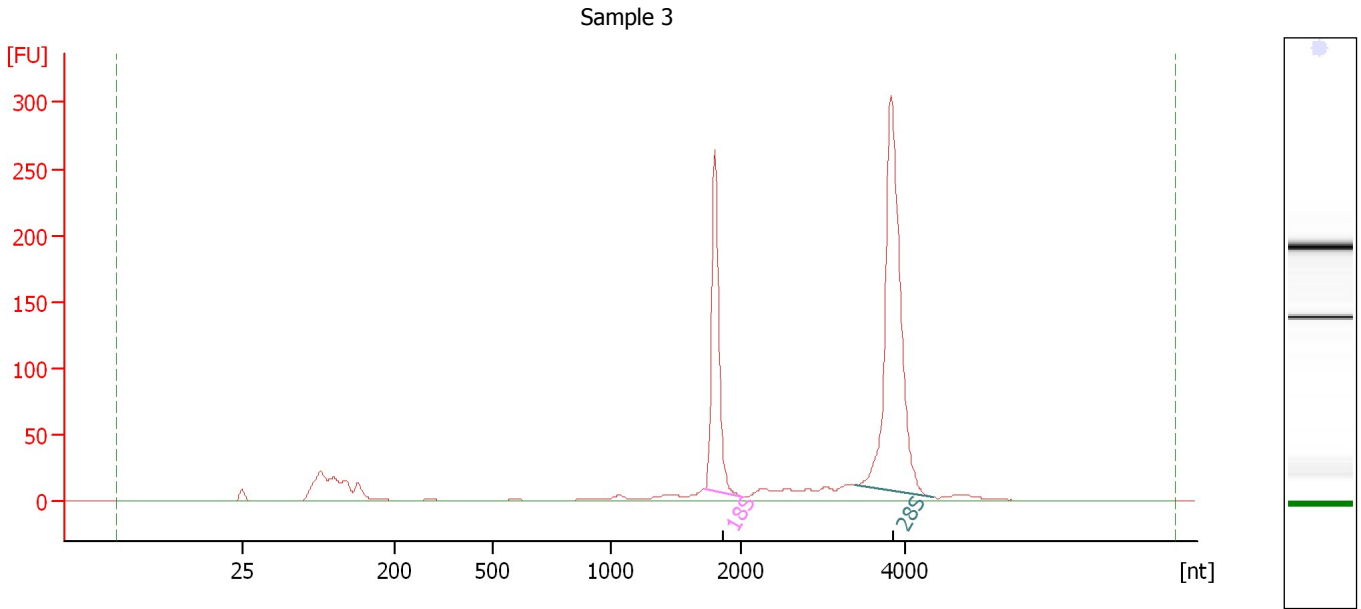
**Fragment table for sample 2 : Sample 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,723	2,019	262.2	22.2
28S	3,389	4,377	524.5	44.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	1,030.3	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	729 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:10

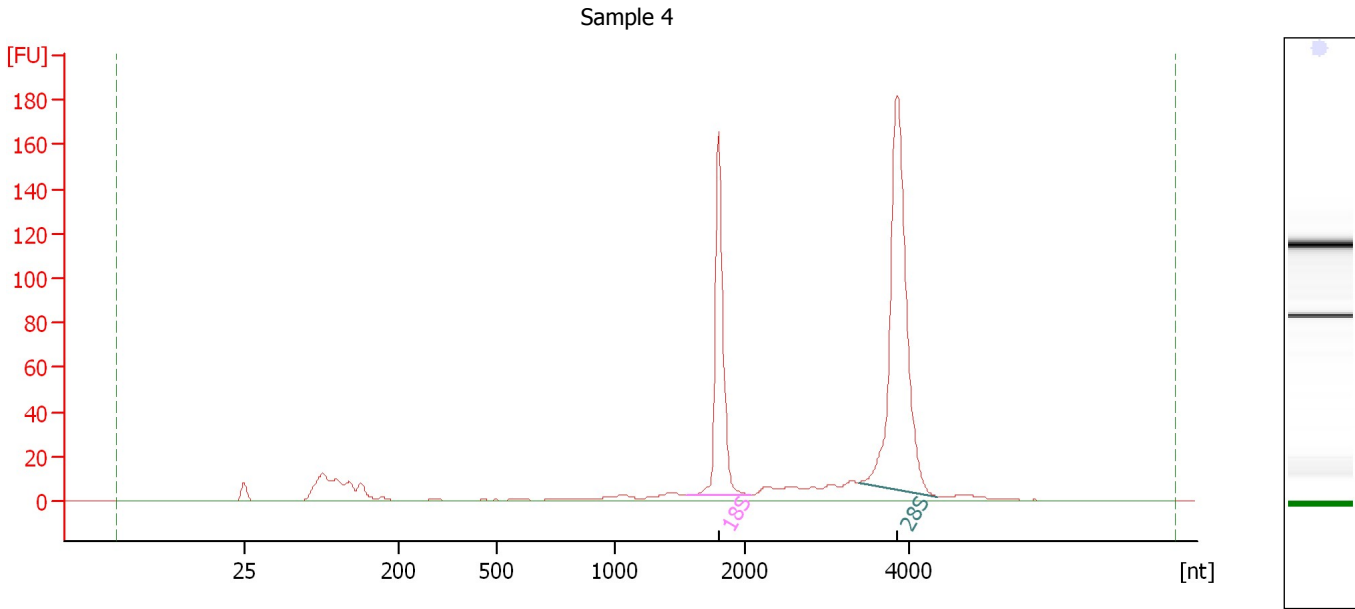
**Fragment table for sample 3 : Sample 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,022	222.0	21.5
28S	3,384	4,353	440.4	42.8

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
 Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	653.0	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	462 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: 9.90

**Fragment table for sample 4 : Sample 4**

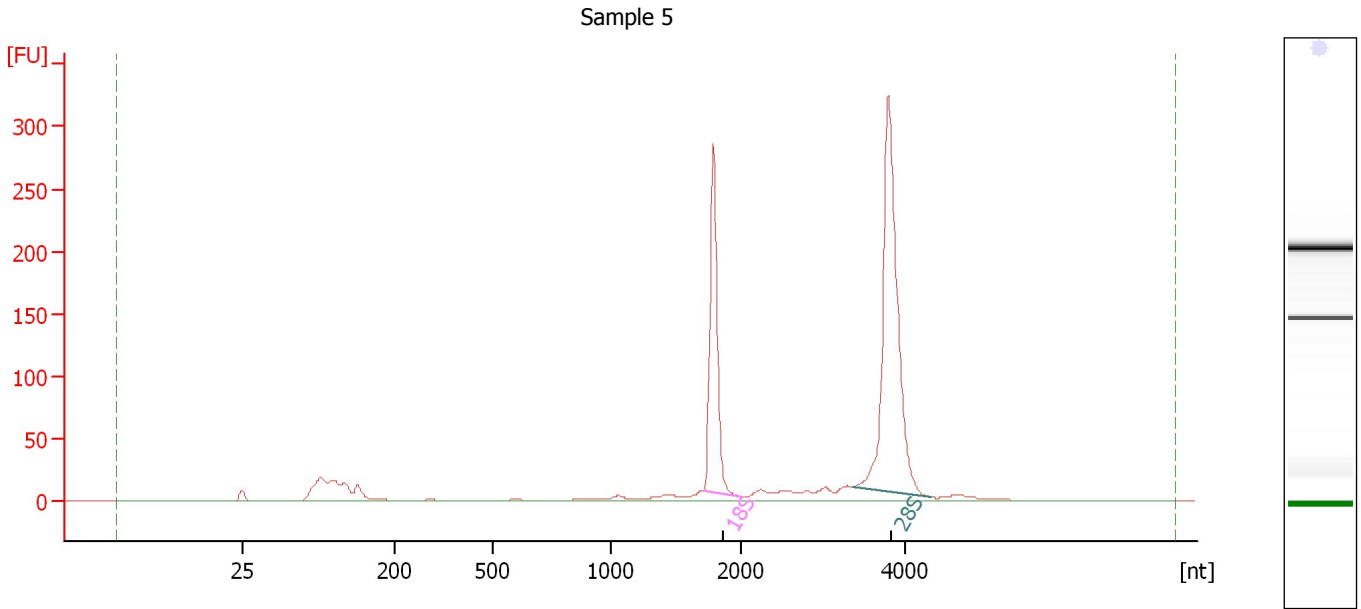
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	2,063	147.4	22.6
28S	3,380	4,333	271.4	41.6



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	1,023.5	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	724 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:10

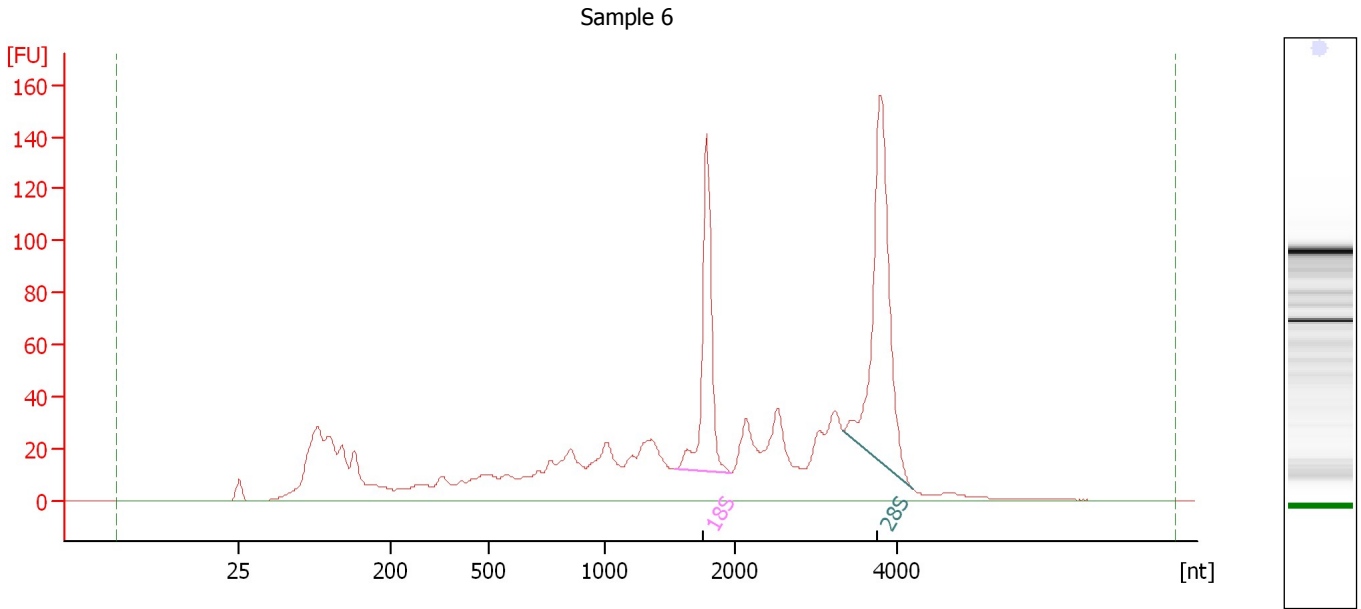
**Fragment table for sample 5 : Sample 5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	2,009	232.0	22.7
28S	3,371	4,327	446.2	43.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
 Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	1,382.2	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	978 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]:	1.7	Result Flagging Label:	RIN: 7.10

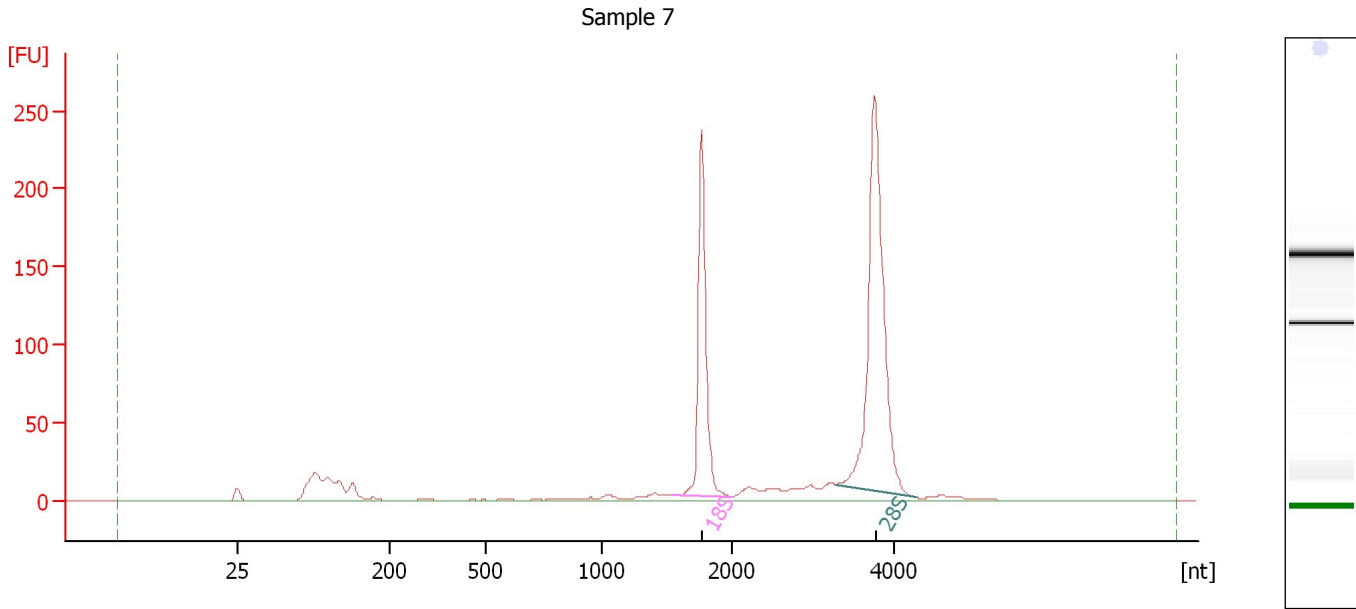
**Fragment table for sample 6 : Sample 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,534	1,970	132.1	9.6
28S	3,336	4,193	222.6	16.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area: 902.7                      RNA Integrity Number (RIN): 9.9 (B.02.08)  
RNA Concentration: 639 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8                      Result Flagging Label: RIN: 9.90

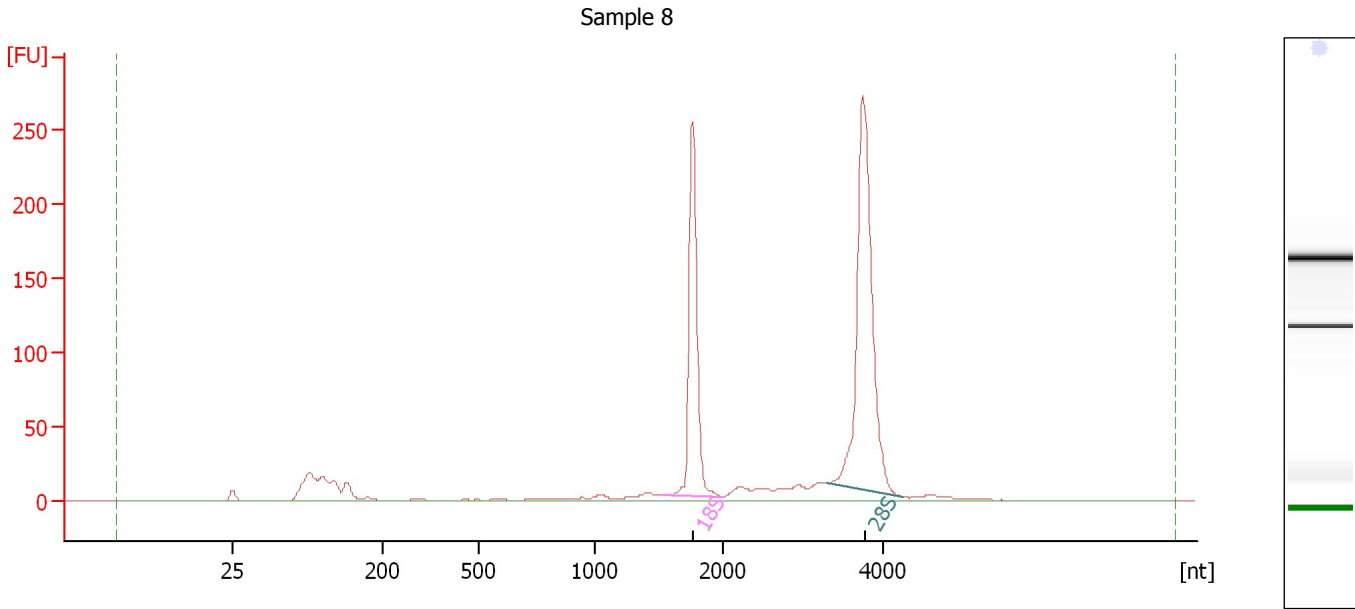
**Fragment table for sample 7 : Sample 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,531	1,994	213.8	23.7
28S	3,287	4,279	377.1	41.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Electropherogram Summary Continued ...**



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

RNA Area: 958.2                      RNA Integrity Number (RIN): 9.9 (B.02.08)  
RNA Concentration: 678 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7              Result Flagging Label: RIN: 9.90

**Fragment table for sample 8 : Sample 8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,524	2,000	226.4	23.6
28S	3,293	4,239	395.3	41.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20\_005.xad

Created: 9/20/2013 4:48:00 PM  
Modified: 9/20/2013 5:11:06 PM

**Gel Image**

