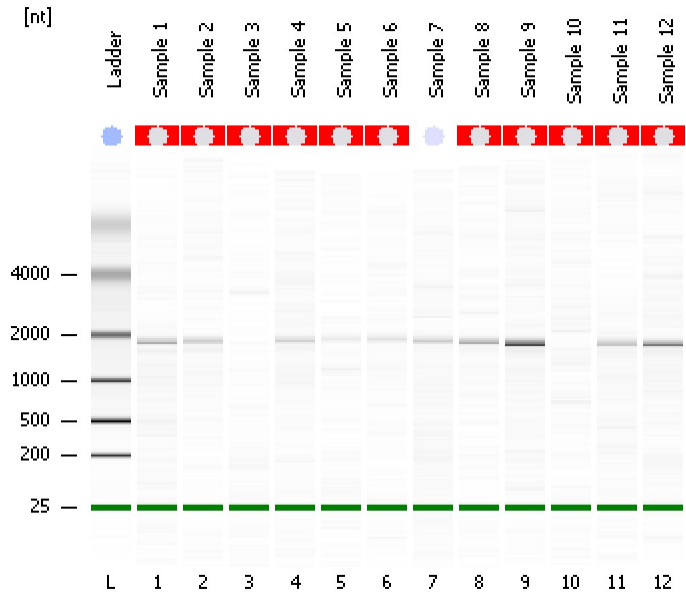


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

### Electrophoresis File Run Summary



#### Instrument Information:

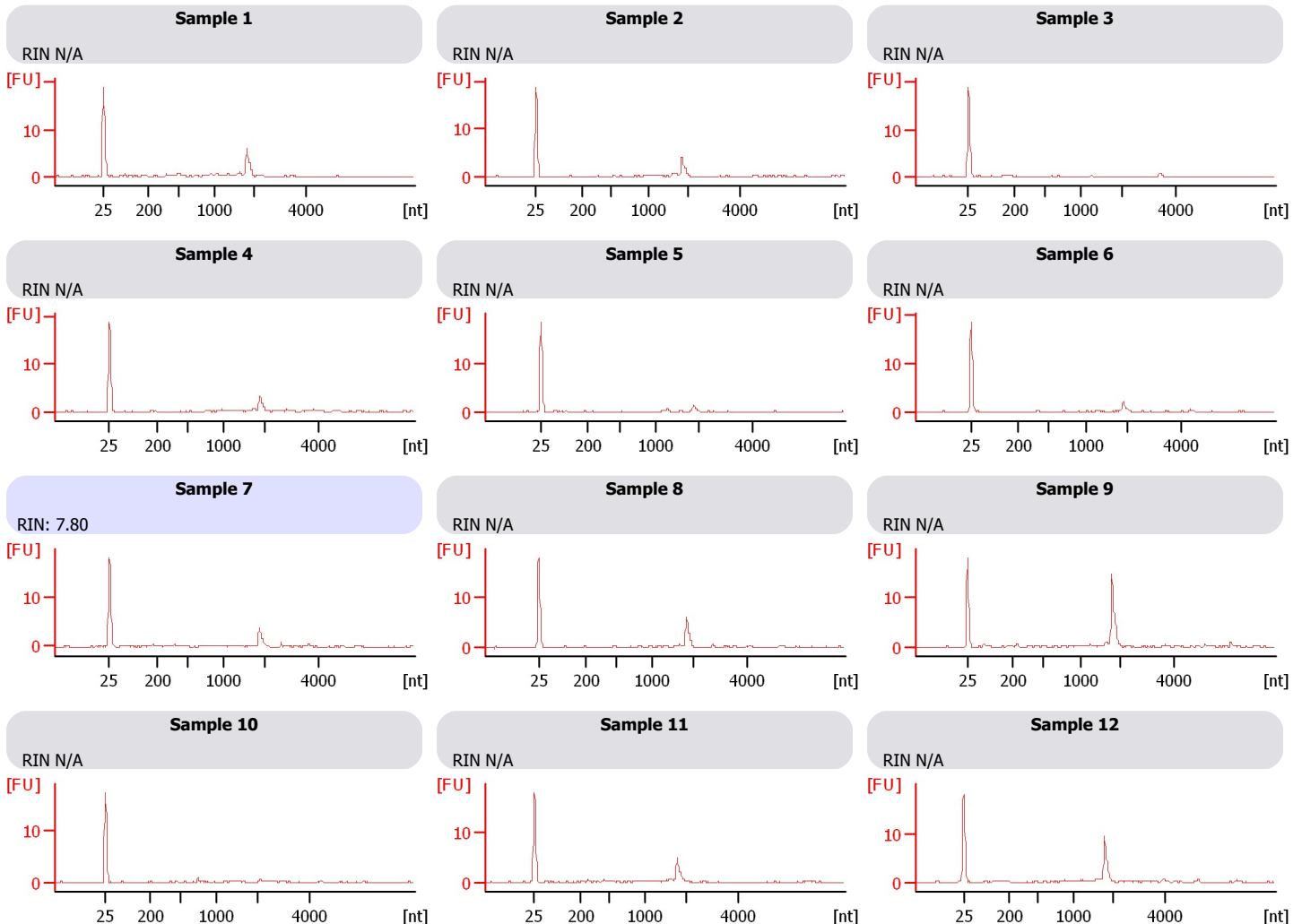
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

#### 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:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
 Modified: 12/7/2018 1:33:10 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN N/A	
Sample 2		✓	RIN N/A	
Sample 3		✓	RIN N/A	
Sample 4		✓	RIN N/A	
Sample 5		✓	RIN N/A	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN: 7.80	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 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

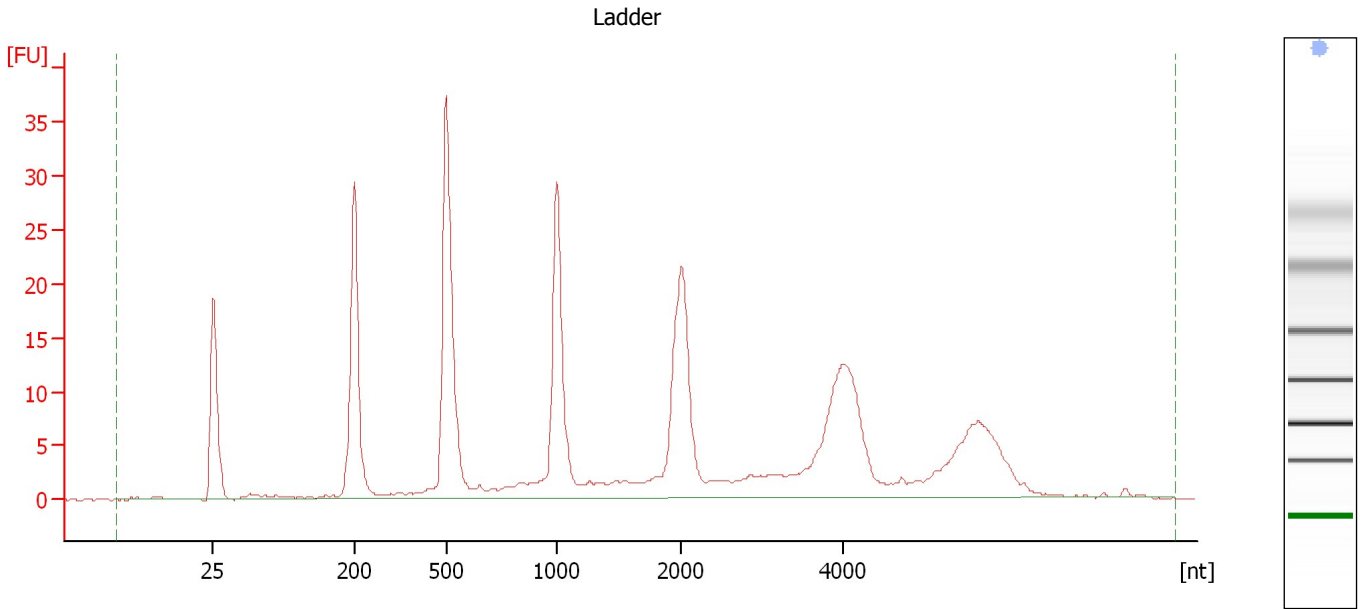
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary**



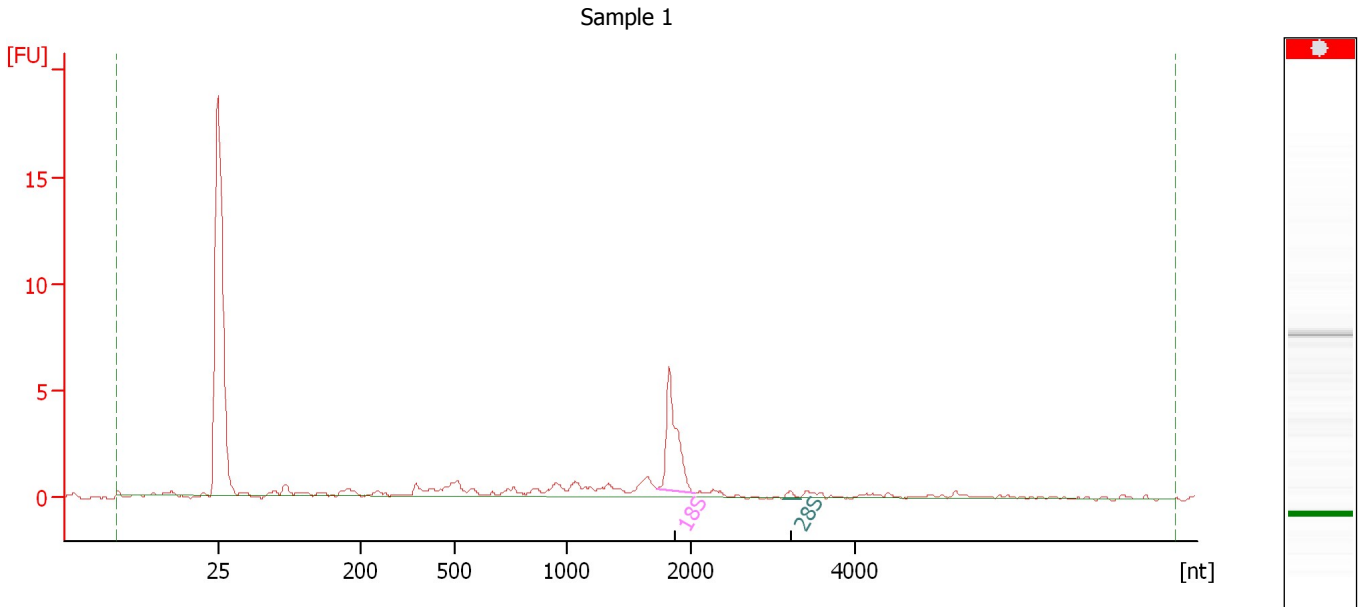
**Overall Results for Ladder**

RNA Area:	316.7	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:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	24.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	11 ng/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

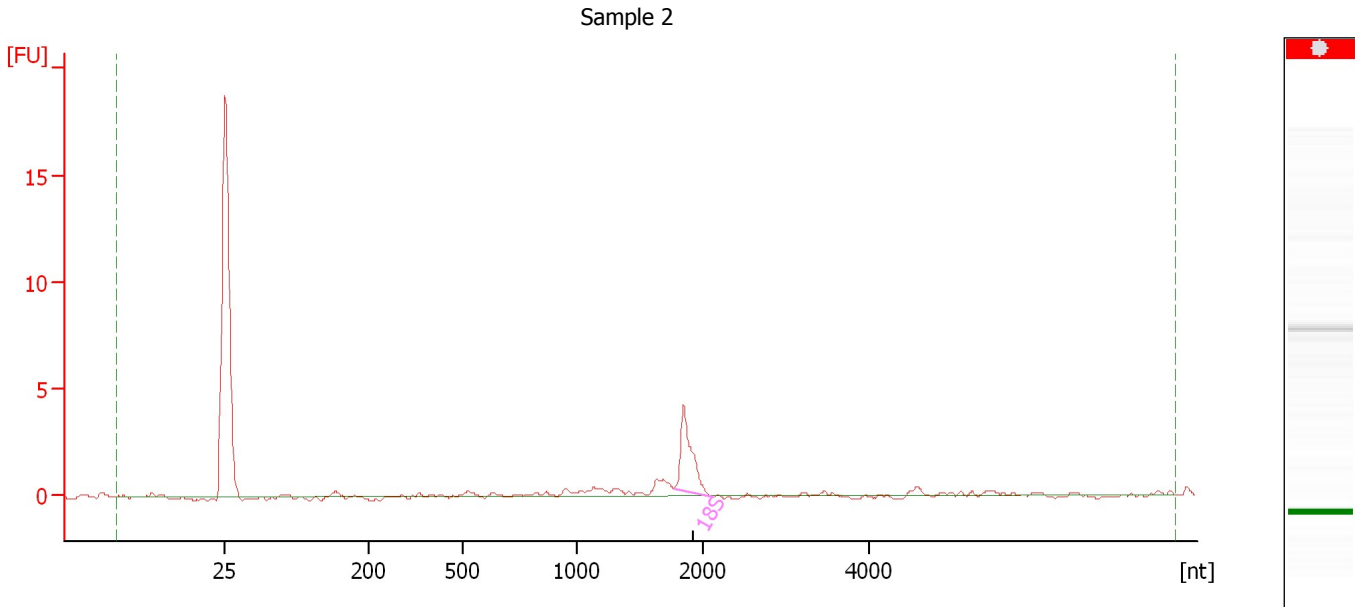
**Fragment table for sample 1 : Sample 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	2,031	7.1	29.4
28S	3,133	3,342	0.3	1.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	12.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/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

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

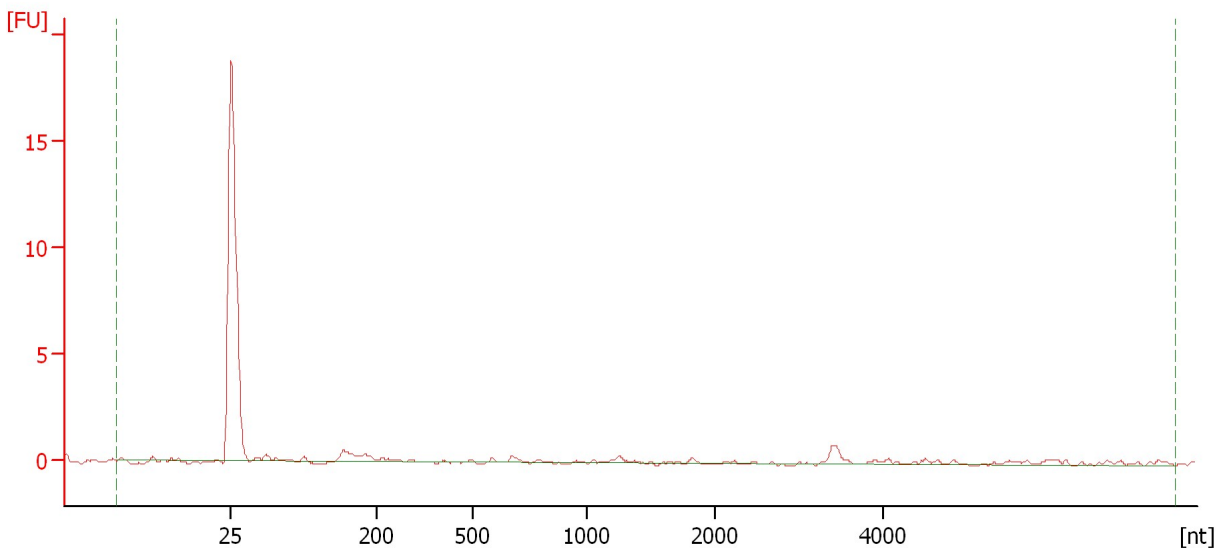
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,772	2,103	5.2	41.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 3



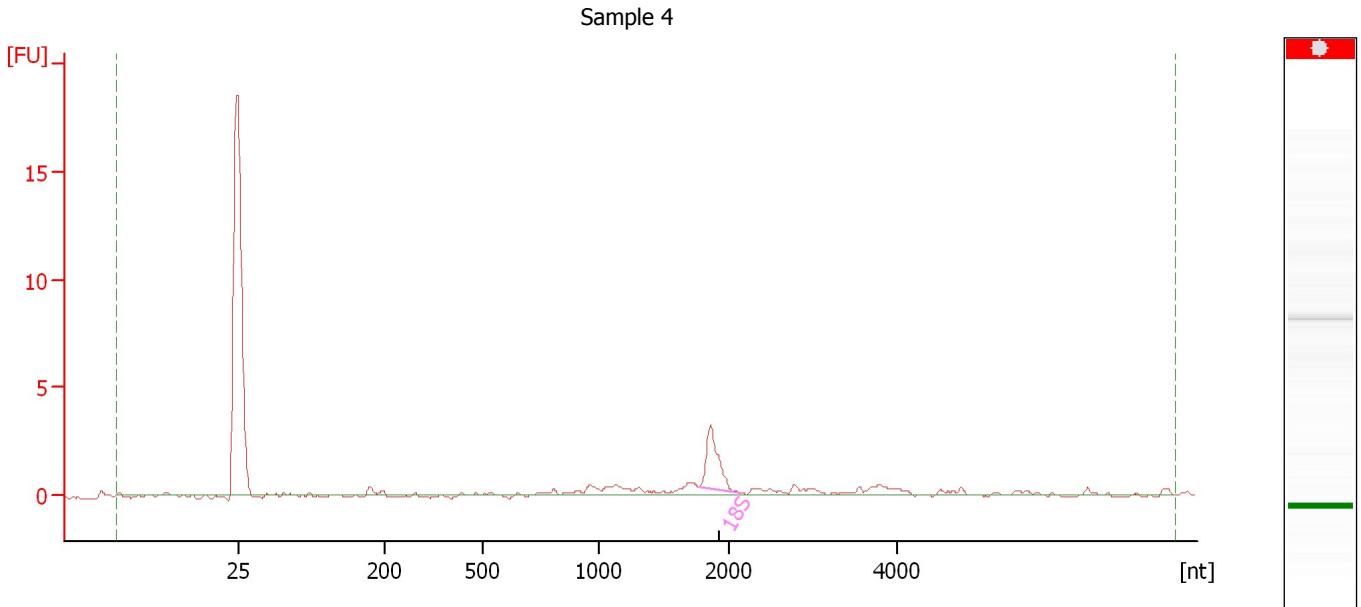
**Overall Results for sample 3 : Sample 3**

RNA Area:	8.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 ng/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 Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
 Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**



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

RNA Area:	14.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 ng/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

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

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,769	2,151	3.9	28.0

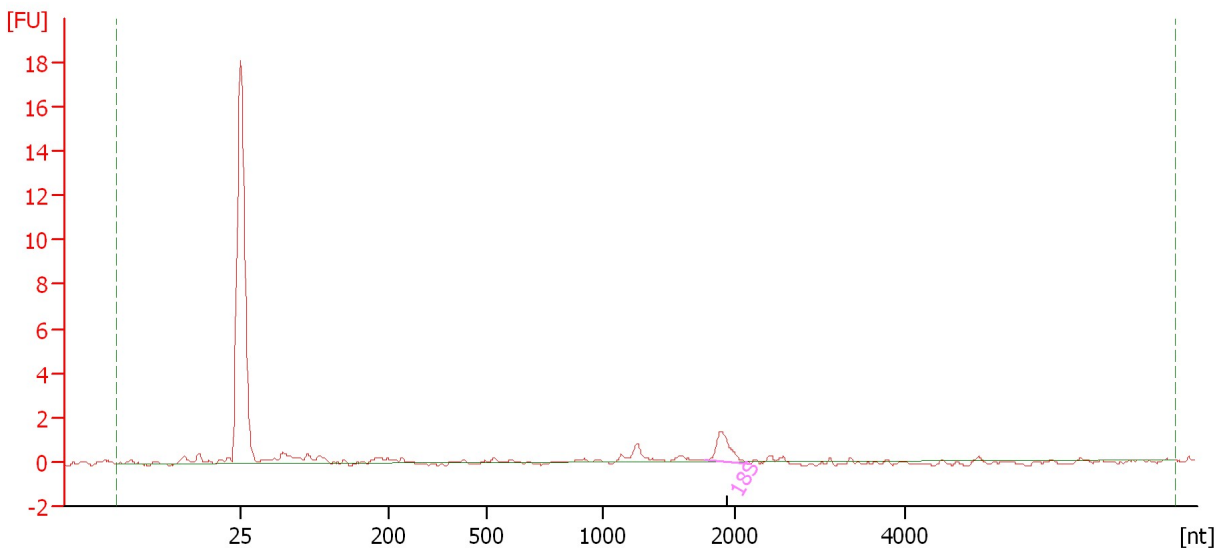


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 5



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

RNA Area:	11.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/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

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

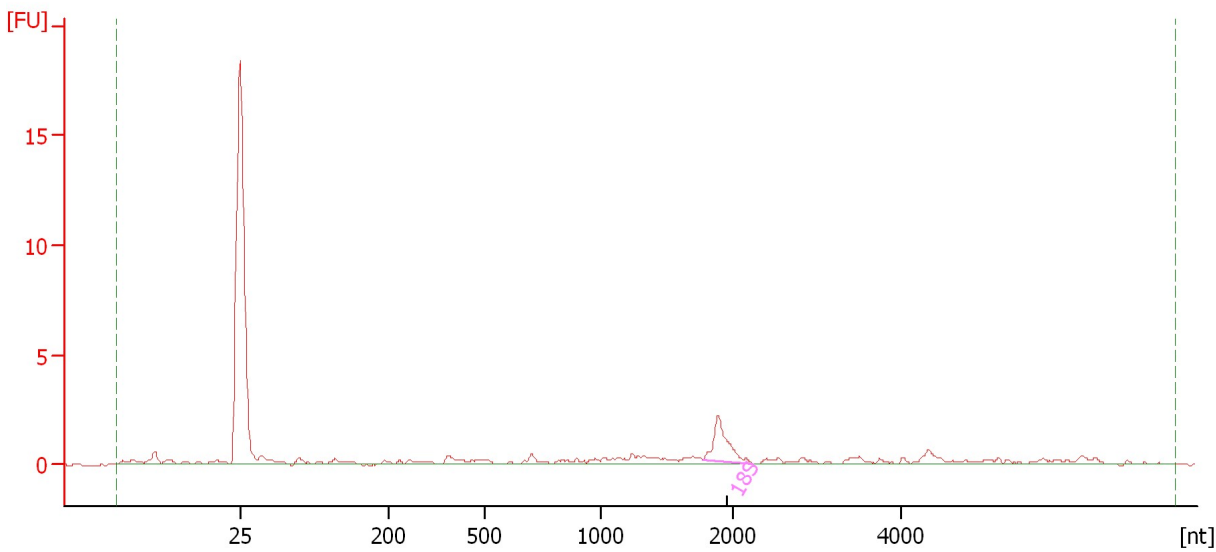
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	2,204	2.1	18.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 6



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

RNA Area:	18.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 ng/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

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

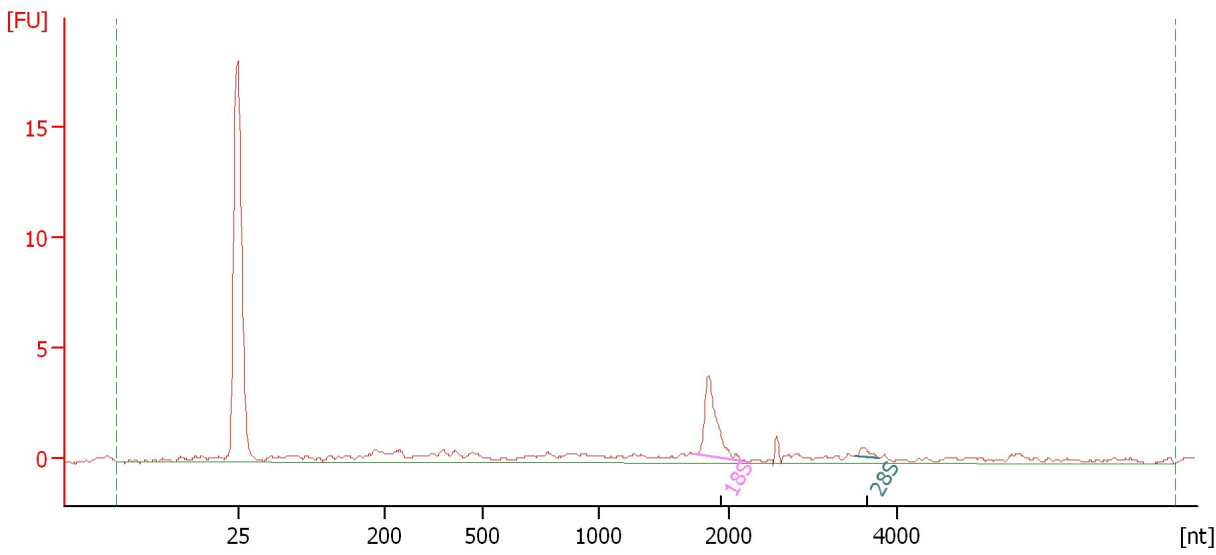
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,780	2,254	3.3	17.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 7



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

RNA Area: 27.9                      RNA Integrity Number (RIN): 7.8 (B.02.08)  
RNA Concentration: 13 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.1              Result Flagging Label: RIN: 7.80

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

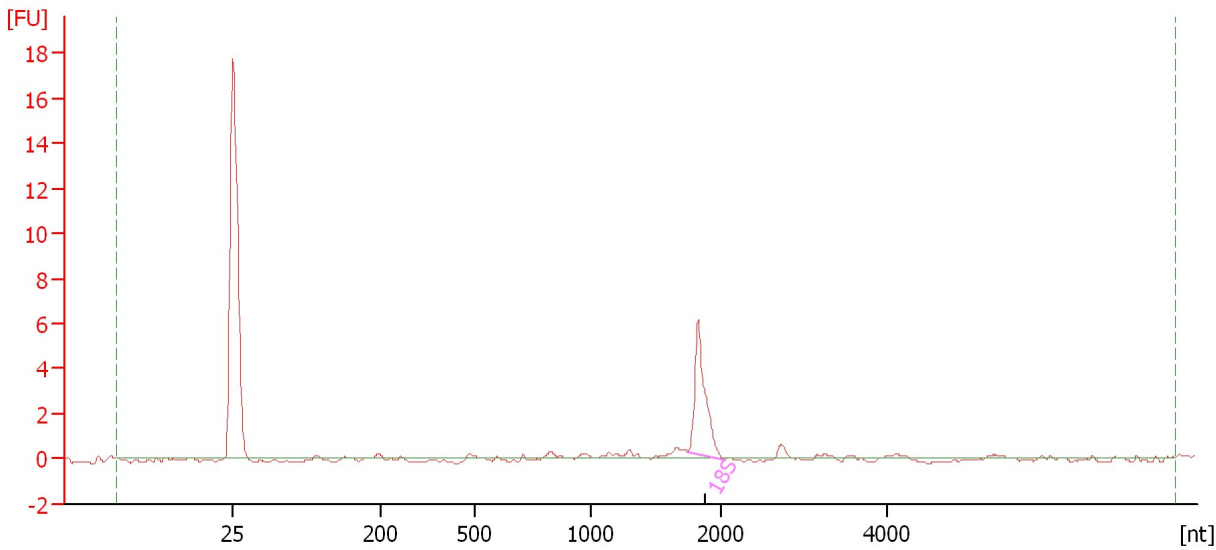
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,745	2,240	4.8	17.4
28S	3,504	3,794	0.4	1.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 8



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

RNA Area:	10.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/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

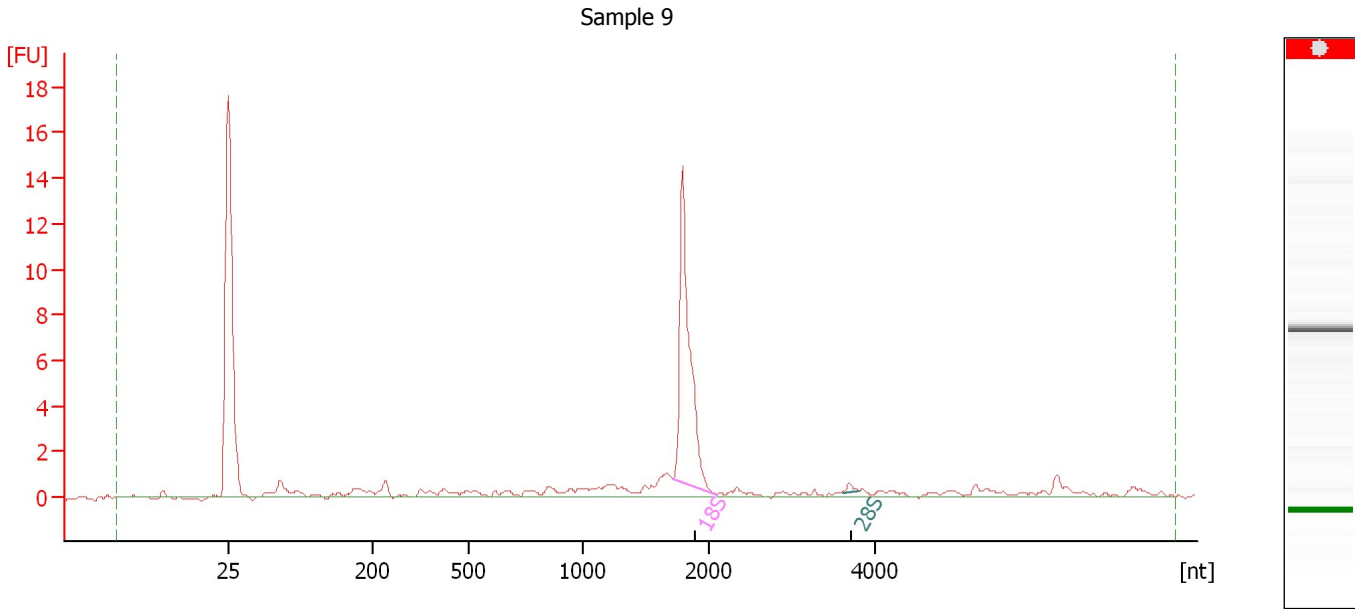
**Fragment table for sample 8 : Sample 8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,748	2,059	7.0	68.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Sample 9**

RNA Area:	37.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	18 ng/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

**Fragment table for sample 9 : Sample 9**

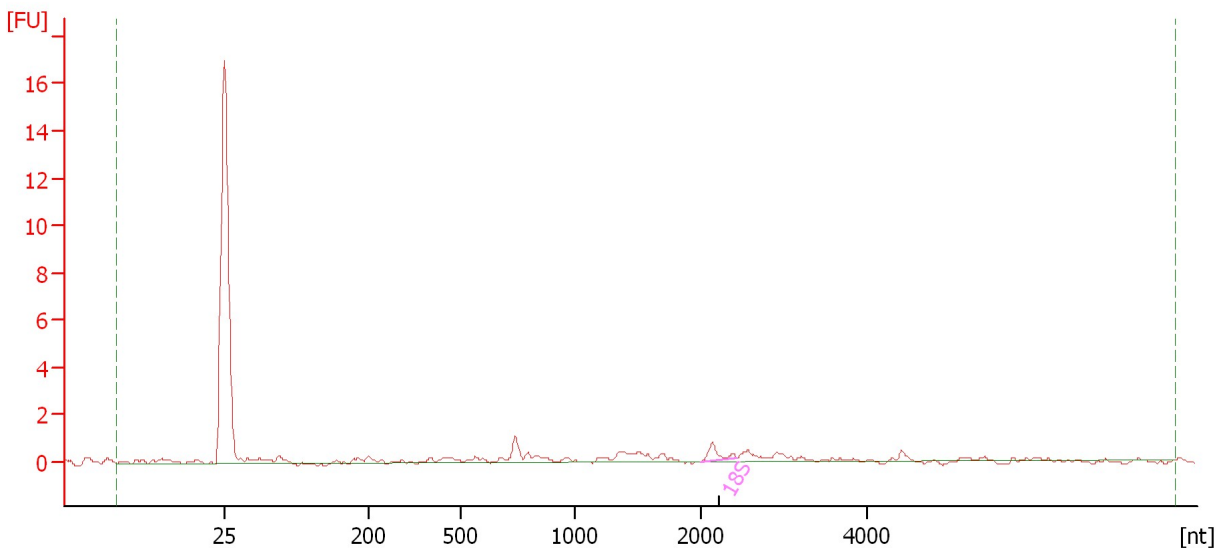
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,080	15.9	42.1
28S	3,611	3,804	0.2	0.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 10



**Overall Results for sample 10 : Sample 10**

RNA Area:	11.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/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

**Fragment table for sample 10 : Sample 10**

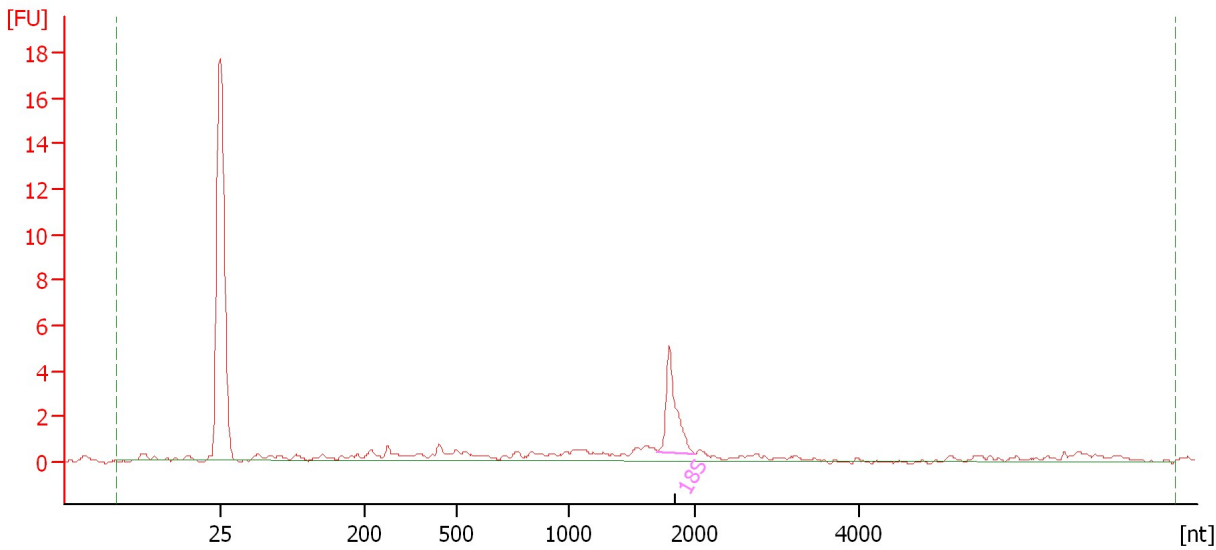
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,990	2,439	0.9	7.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 11



**Overall Results for sample 11 : Sample 11**

RNA Area:	30.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	14 ng/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

**Fragment table for sample 11 : Sample 11**

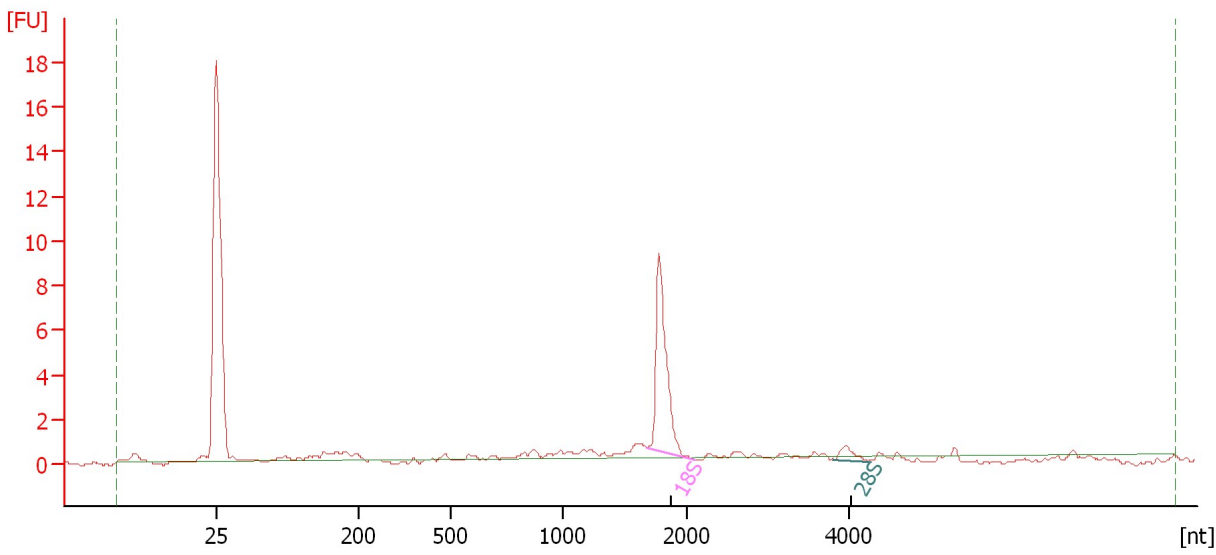
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	1,996	5.6	18.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Electropherogram Summary Continued ...**

Sample 12



**Overall Results for sample 12 : Sample 12**

RNA Area:	24.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	11 ng/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]:	0.1	Result Flagging Label:	RIN N/A

**Fragment table for sample 12 : Sample 12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	2,082	10.5	43.9
28S	3,806	4,227	0.9	3.7



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-07\2018-12-07\_001.xad

Created: 12/7/2018 1:09:22 PM  
Modified: 12/7/2018 1:33:10 PM

**Gel Image**

