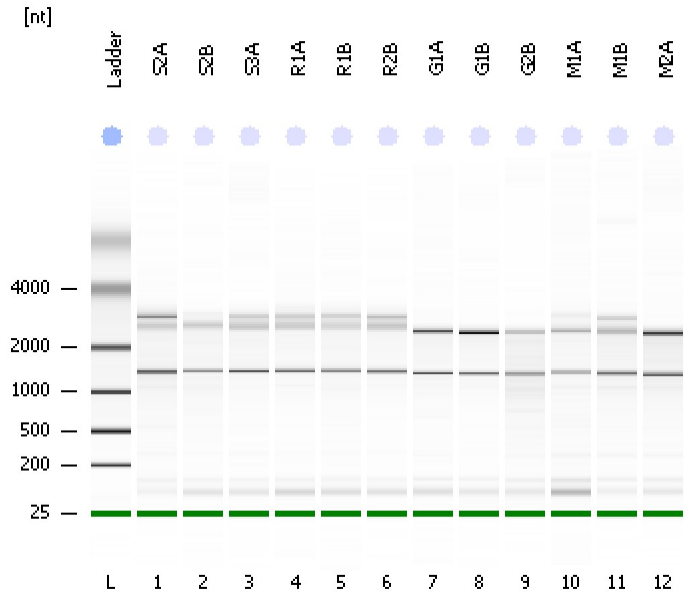


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

### Electrophoresis File Run Summary



#### Instrument Information:

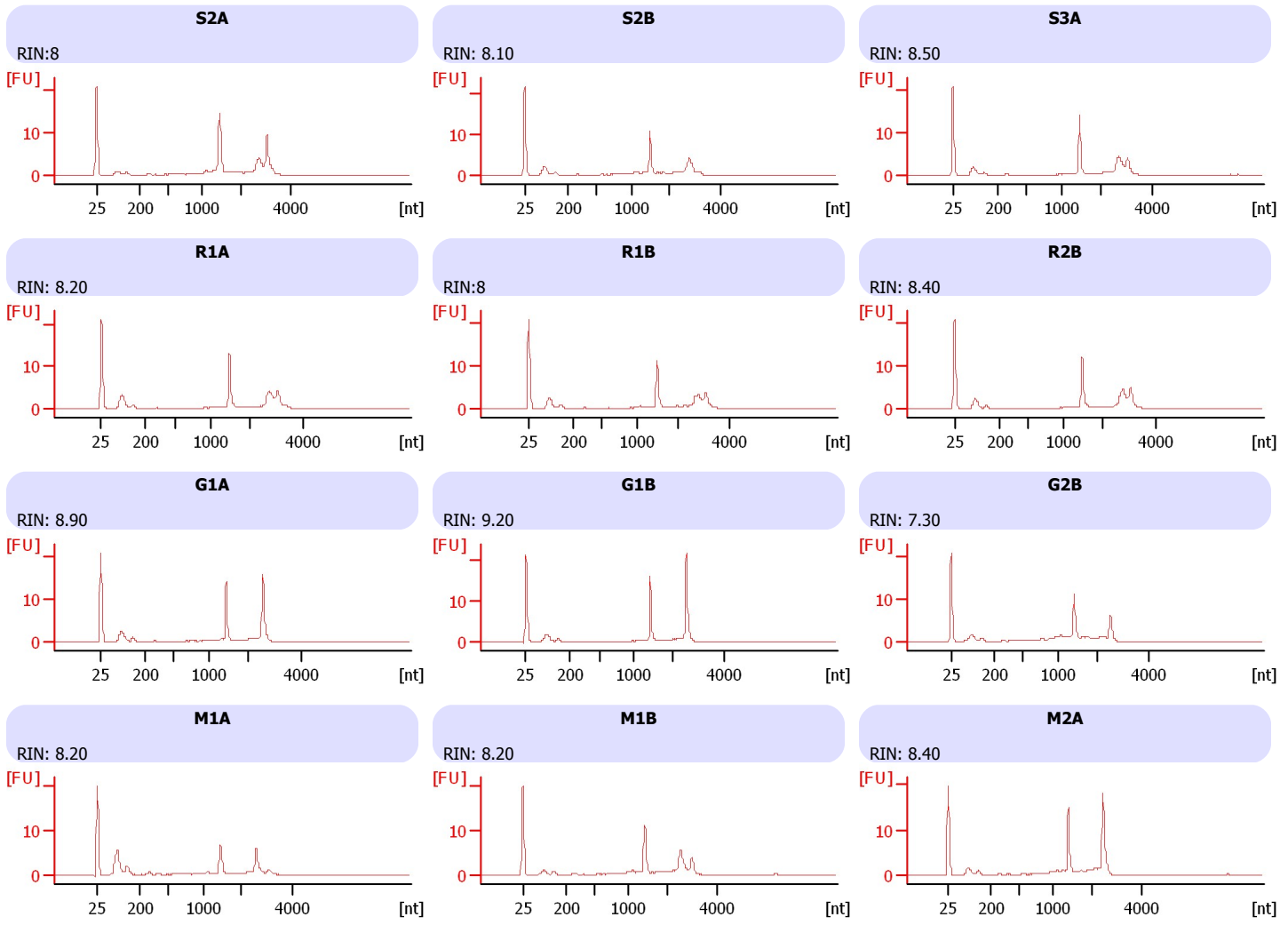
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

#### 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)  
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#### Chip Information:

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



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
 Modified: 1/25/2019 10:01:25 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
S2A		✓	RIN:8	
S2B		✓	RIN: 8.10	
S3A		✓	RIN: 8.50	
R1A		✓	RIN: 8.20	
R1B		✓	RIN:8	
R2B		✓	RIN: 8.40	
G1A		✓	RIN: 8.90	
G1B		✓	RIN: 9.20	
G2B		✓	RIN: 7.30	
M1A		✓	RIN: 8.20	
M1B		✓	RIN: 8.20	
M2A		✓	RIN: 8.40	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

## 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

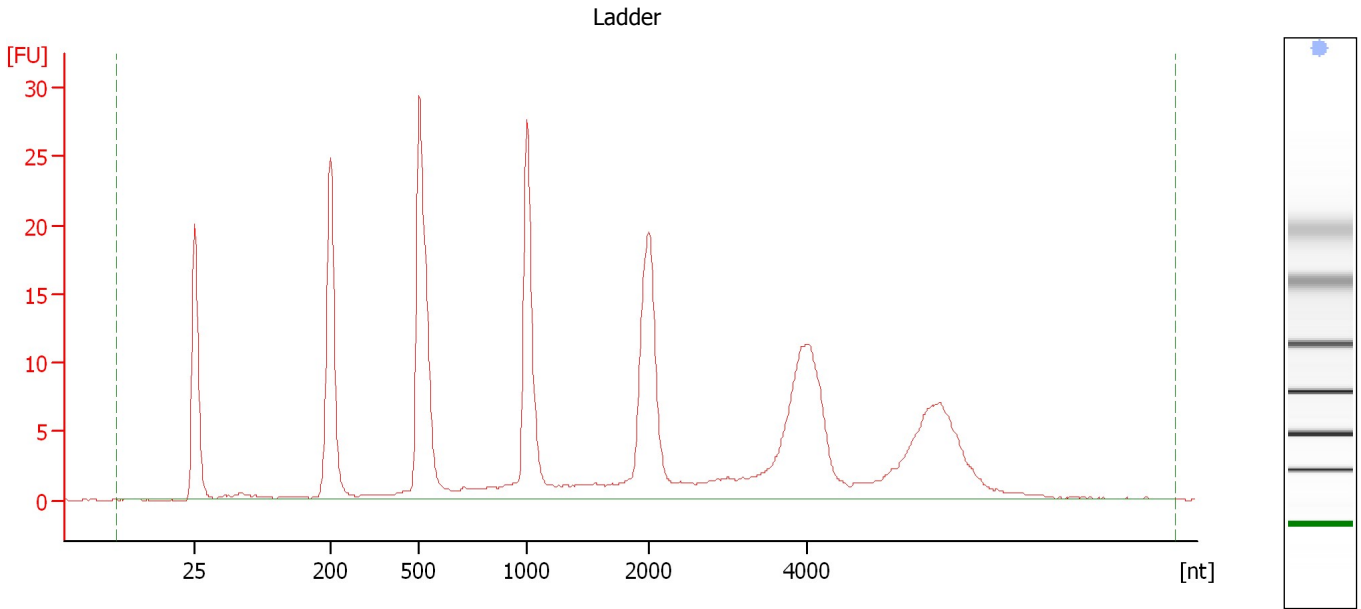
### Ladder

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\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

**Electropherogram Summary**



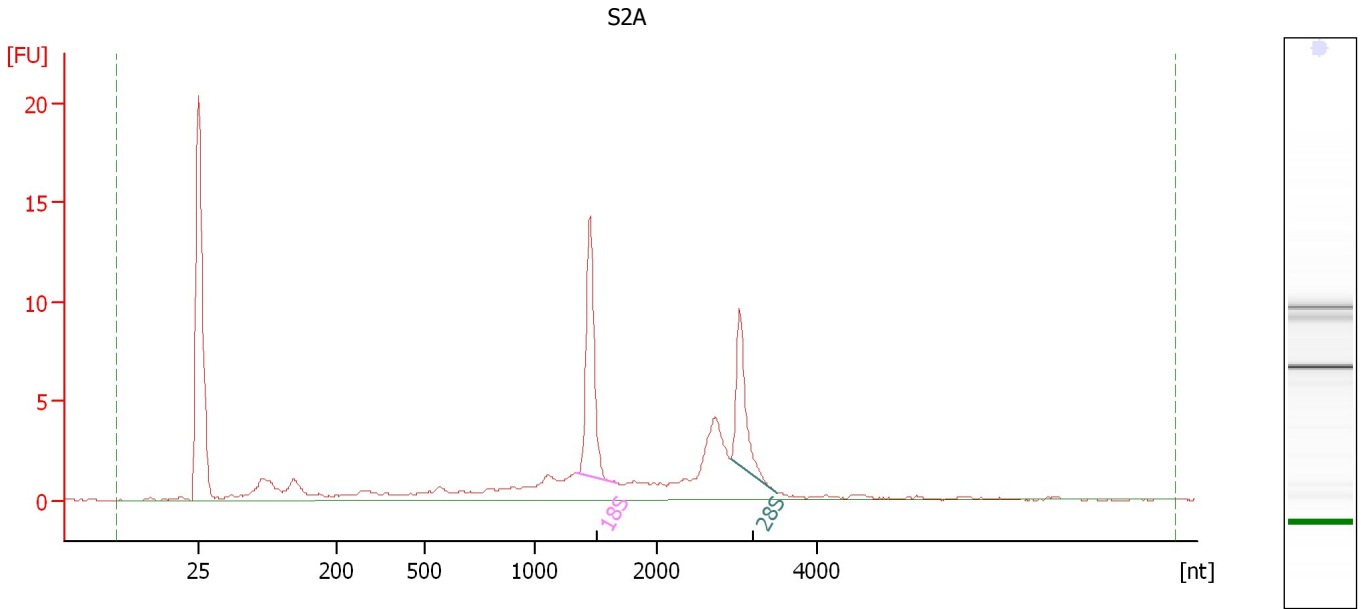
**Overall Results for Ladder**

RNA Area:	270.8	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : S2A**

RNA Area: 78.1                      RNA Integrity Number (RIN): 8 (B.02.08)  
RNA Concentration: 43 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.6              Result Flagging Label: RIN:8

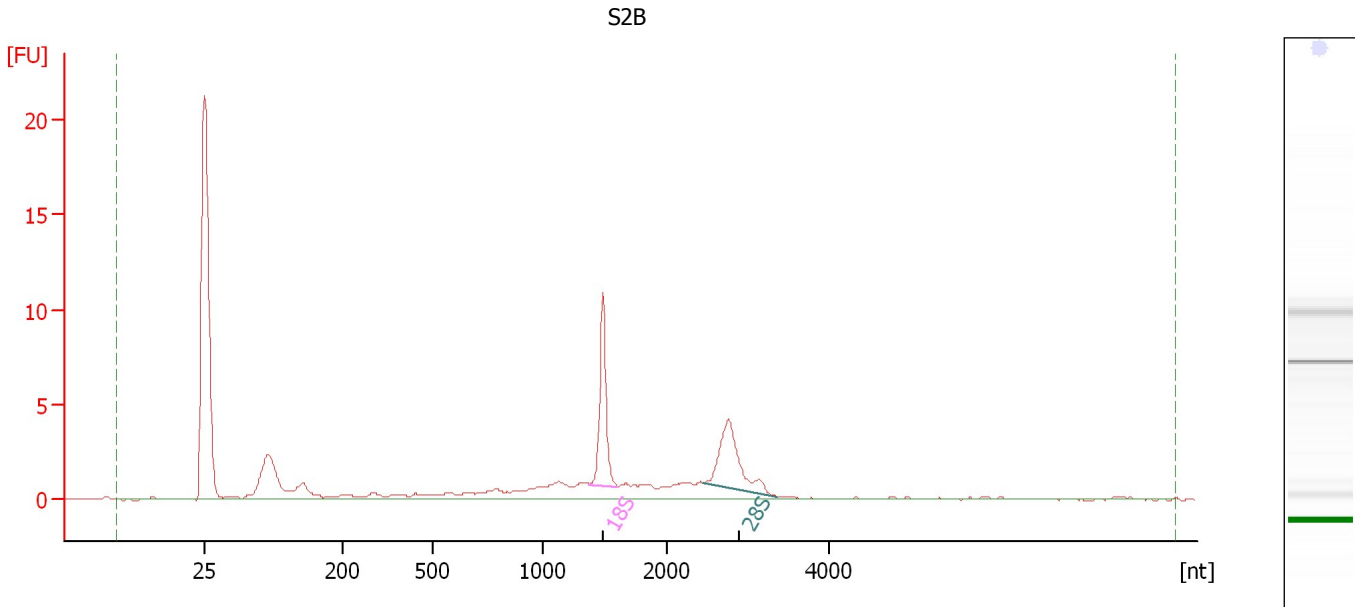
**Fragment table for sample 1 : S2A**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,353	1,678	14.3	18.3
28S	2,922	3,494	7.9	10.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : S2B**

RNA Area:	51.9	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	29 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]:	1.0	Result Flagging Label:	RIN: 8.10

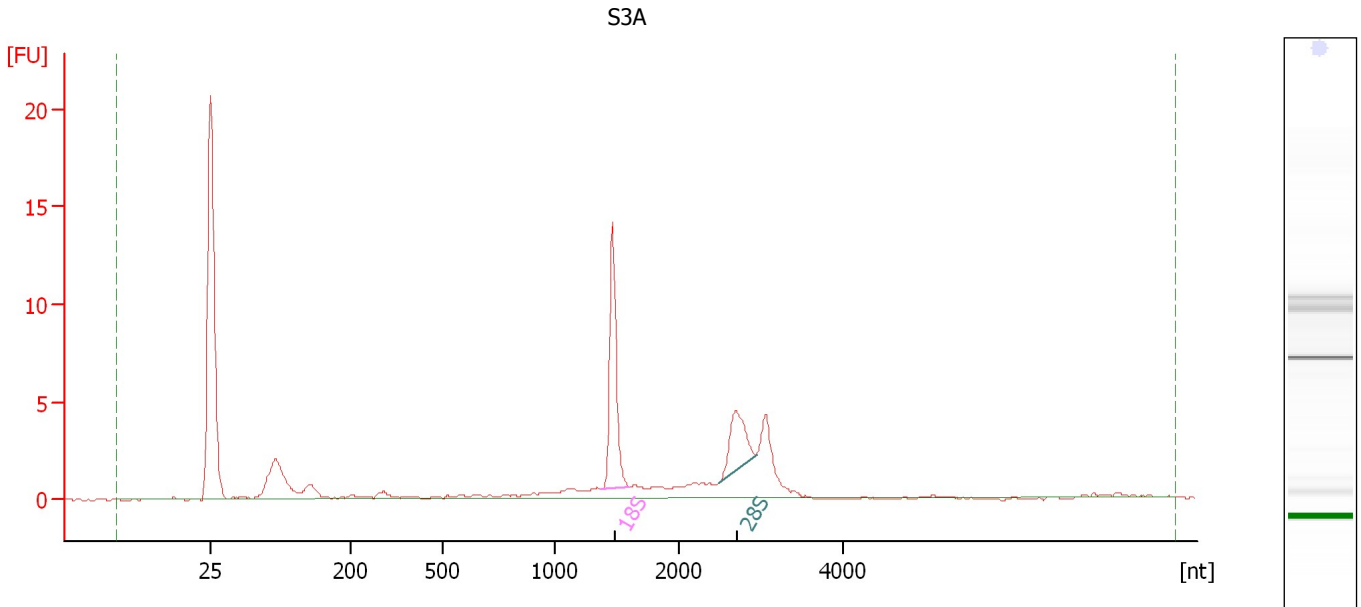
**Fragment table for sample 2 : S2B**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,372	1,598	8.1	15.7
28S	2,444	3,366	8.1	15.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : S3A**

RNA Area:	51.5	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	29 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]:	0.5	Result Flagging Label:	RIN: 8.50

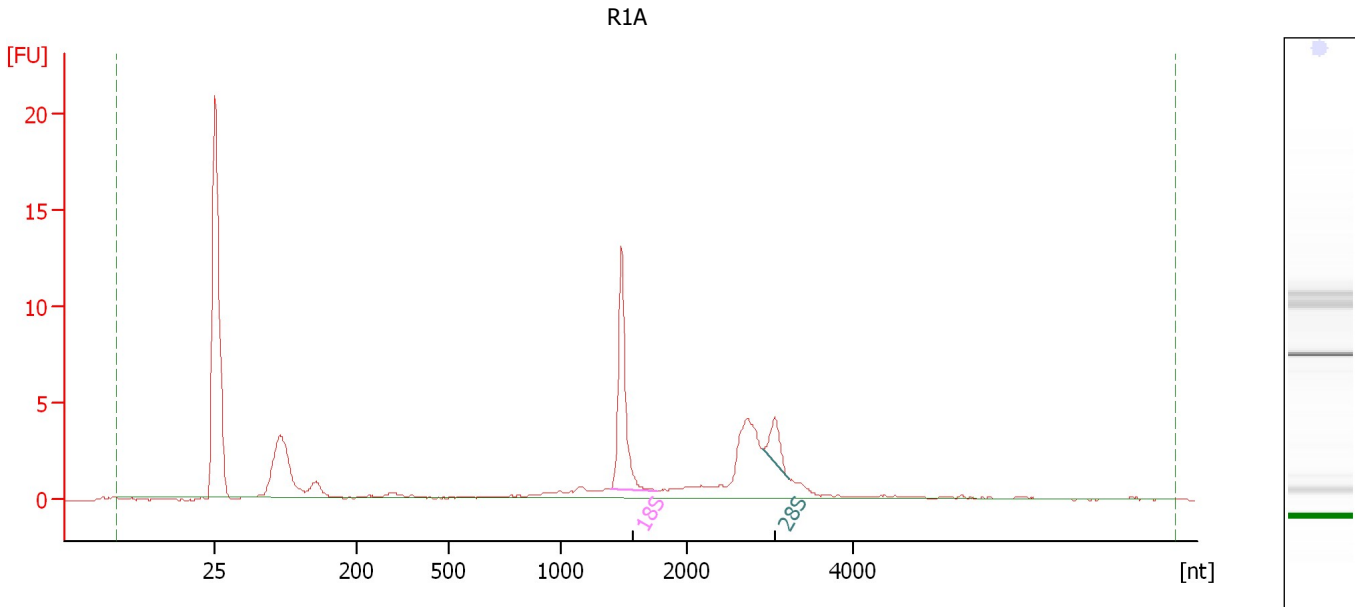
**Fragment table for sample 3 : S3A**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,376	1,607	10.8	21.0
28S	2,484	2,939	5.2	10.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : R1A**

RNA Area:	55.3	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	31 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]:	0.2	Result Flagging Label:	RIN: 8.20

**Fragment table for sample 4 : R1A**

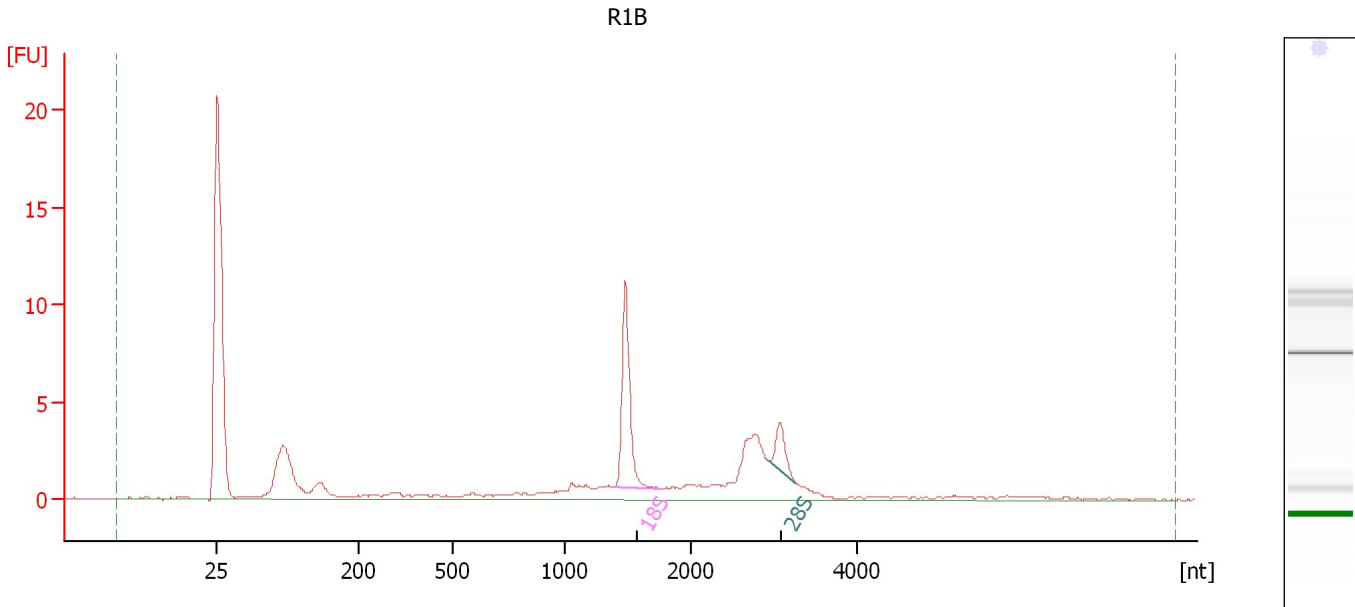
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,393	1,758	11.4	20.7
28S	2,910	3,219	2.5	4.5



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
 Modified: 1/25/2019 10:01:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : R1B**

RNA Area:	60.0	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	33 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]:	0.2	Result Flagging Label:	RIN:8

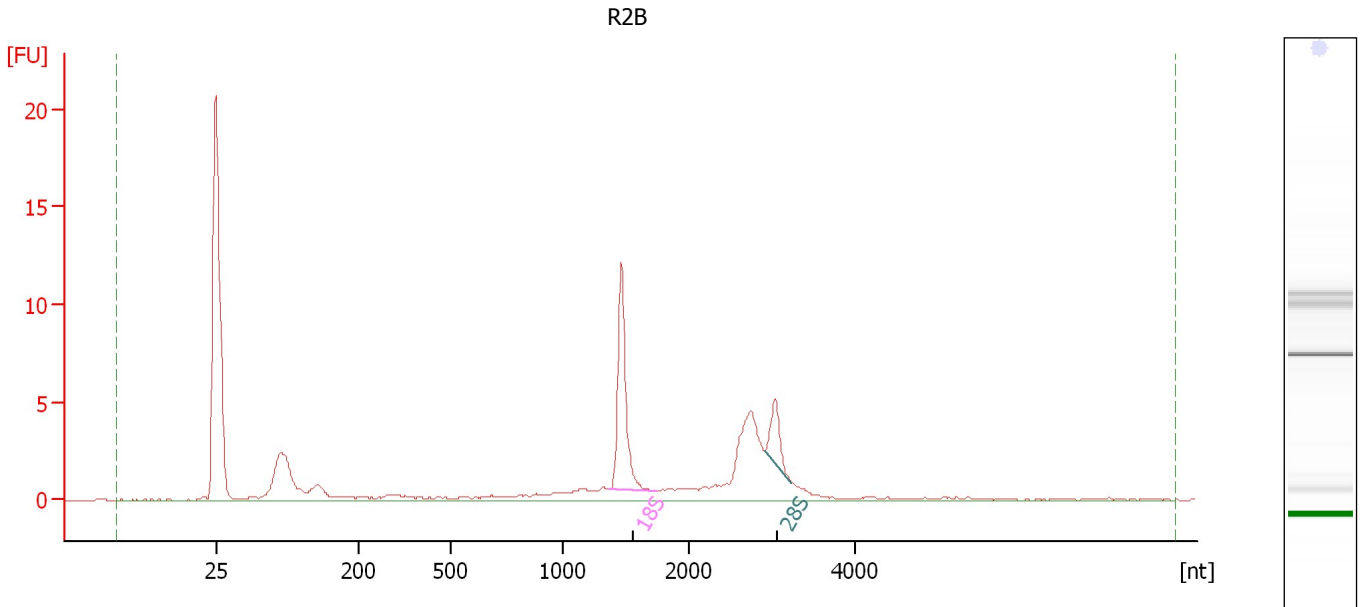
**Fragment table for sample 5 : R1B**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,388	1,769	9.9	16.5
28S	2,947	3,255	2.4	4.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : R2B**

RNA Area:	61.0	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	34 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]:	0.3	Result Flagging Label:	RIN: 8.40

**Fragment table for sample 6 : R2B**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,361	1,742	11.7	19.2
28S	2,922	3,231	3.0	5.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25\_001.xad

Created: 1/25/2019 9:37:32 AM  
Modified: 1/25/2019 10:01:25 AM

**Gel Image**

