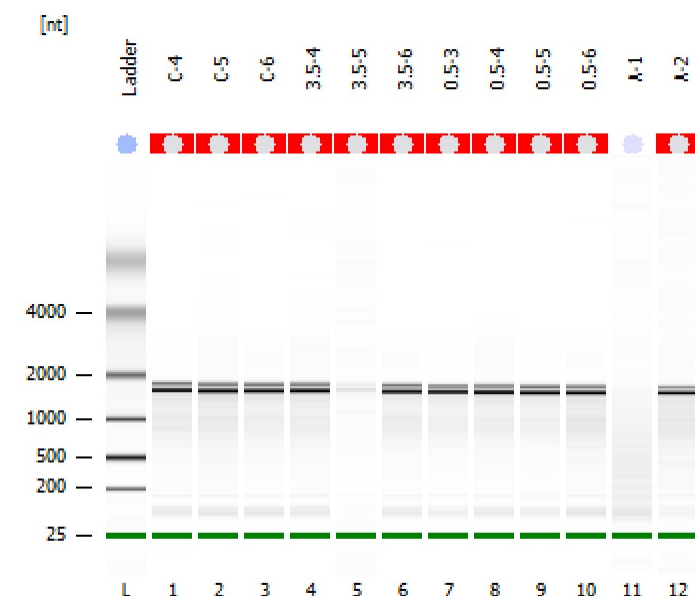


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

## Electrophoresis File Run Summary



### Instrument Information:

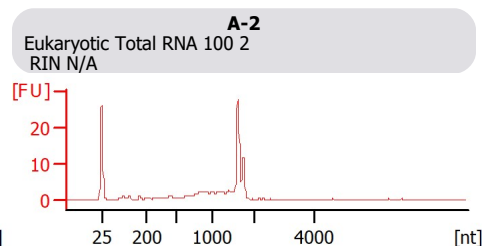
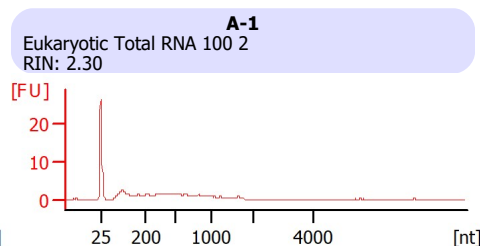
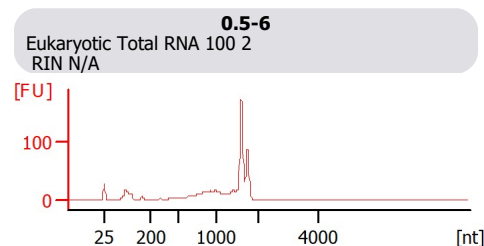
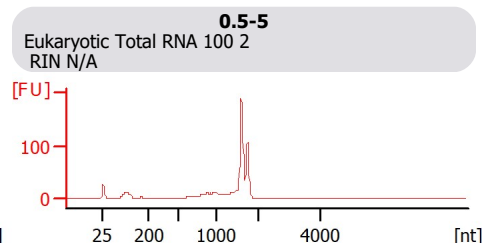
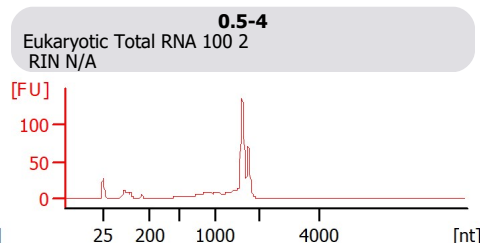
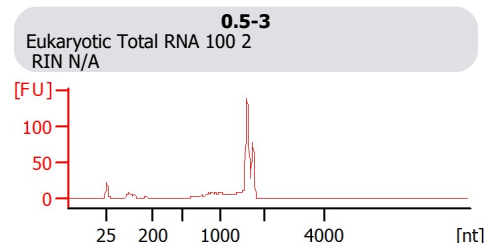
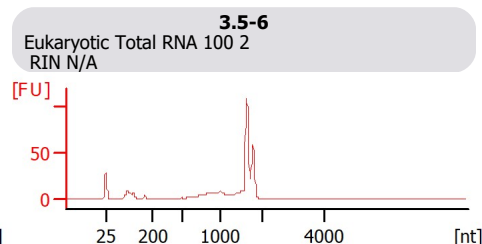
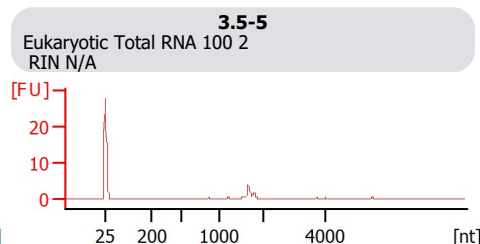
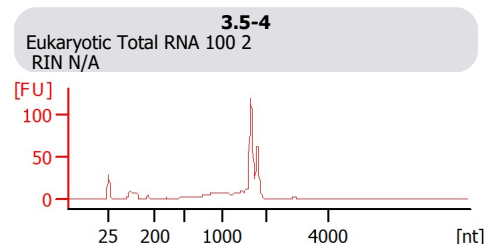
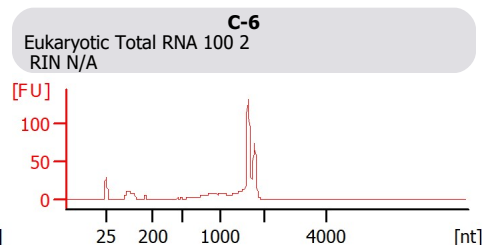
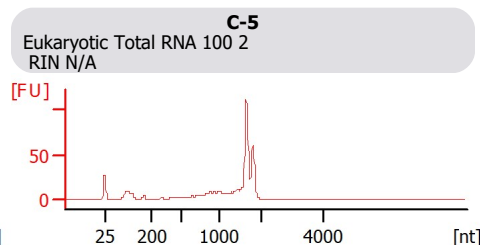
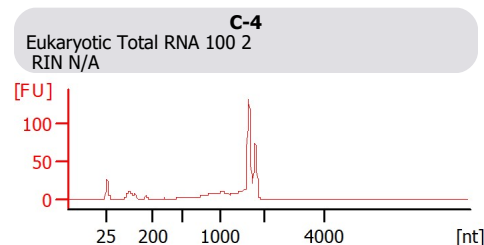
Instrument Name: DE24802282 Firmware: C.01.069  
Serial#: DE24802282 Type: G2938B

### Assay Information:

Assay Origin Path: C:\Program Files (x86)\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 #: set  
Reagent Kit Lot #: set  
Chip Comments: RNA Nano | Eukaryotic Total | Felipe Barreto | Felipe Barreto | 7375852 | felipe.barreto@oregonstate.edu | copepod | whole animal |



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
 Modified: 12/20/2023 1:02:48 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
C-4	Eukaryotic Total RNA 100 2	✓	RIN N/A	
C-5	Eukaryotic Total RNA 100 2	✓	RIN N/A	
C-6	Eukaryotic Total RNA 100 2	✓	RIN N/A	
3.5-4	Eukaryotic Total RNA 100 2	✓	RIN N/A	
3.5-5	Eukaryotic Total RNA 100 2	✓	RIN N/A	
3.5-6	Eukaryotic Total RNA 100 2	✓	RIN N/A	
0.5-3	Eukaryotic Total RNA 100 2	✓	RIN N/A	
0.5-4	Eukaryotic Total RNA 100 2	✓	RIN N/A	
0.5-5	Eukaryotic Total RNA 100 2	✓	RIN N/A	
0.5-6	Eukaryotic Total RNA 100 2	✓	RIN N/A	
A-1	Eukaryotic Total RNA 100 2	✓	RIN: 2.30	
A-2	Eukaryotic Total RNA 100 2	✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #****Reagent Kit Lot #**

set

**Chip Comments :**

RNA Nano | Eukaryotic Total | Felipe Barreto | Felipe Barreto | 7375852 | felipe.barreto@oregonstate.edu | copepod | whole animal |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 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

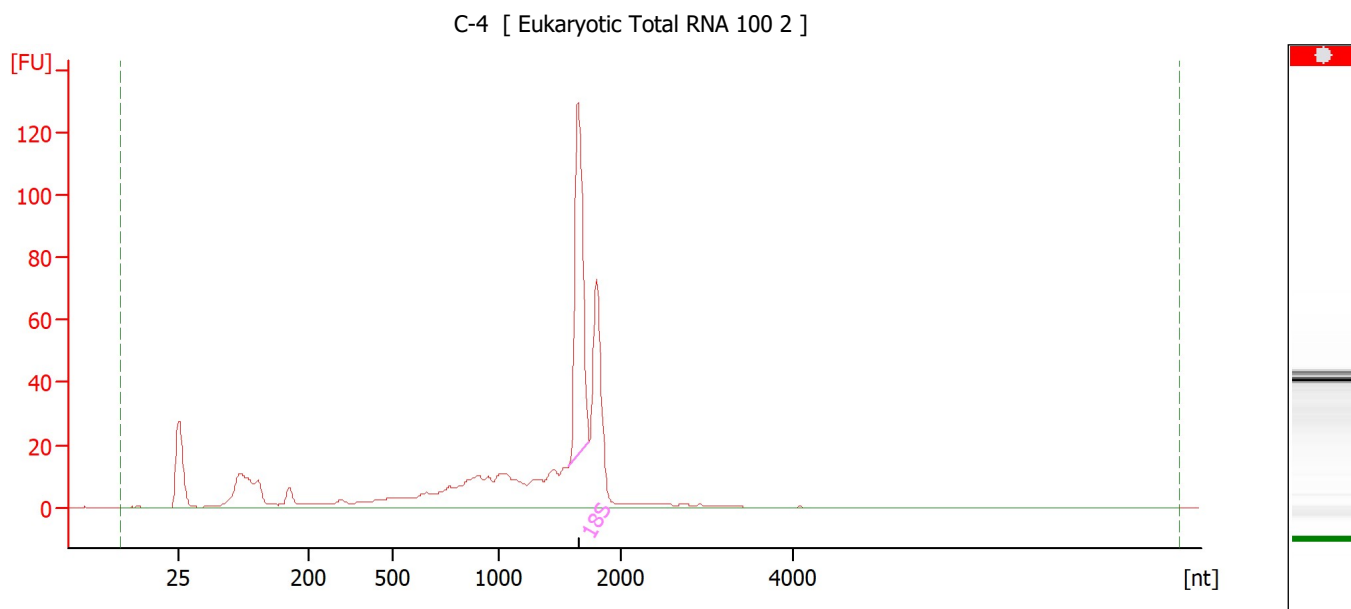
Filter Width [s] : 0.5  
Polynomial Order : 4

### 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:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary****Overall Results for sample 1 : C-4**

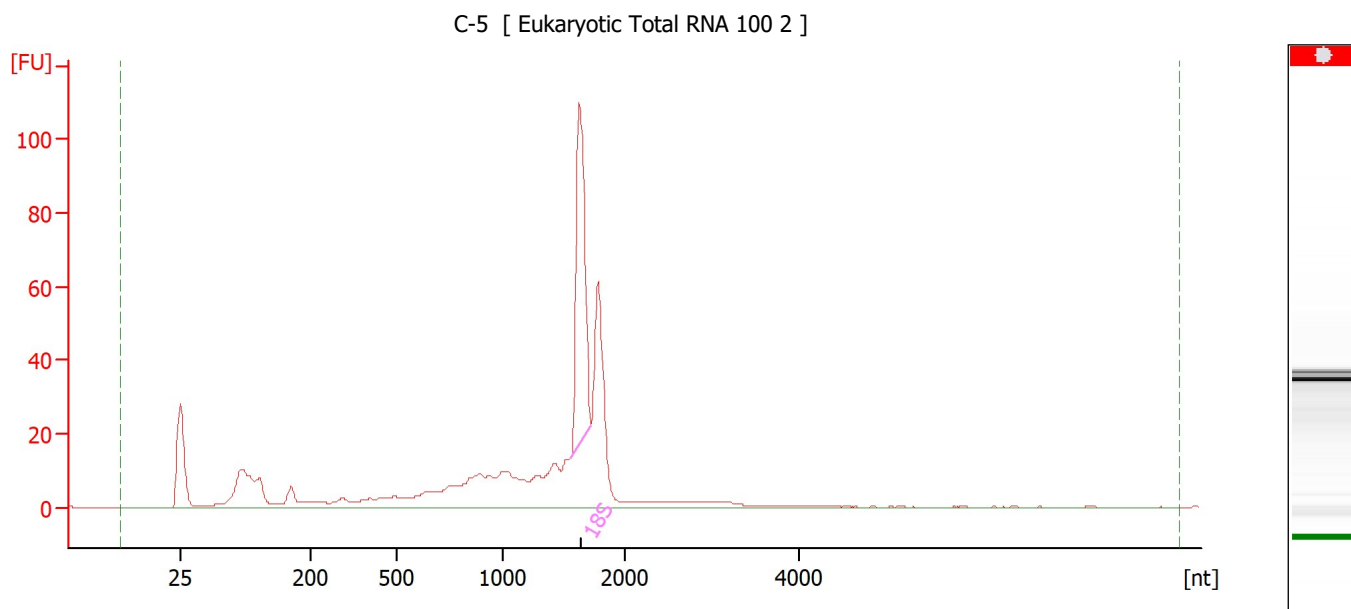
RNA Area:	509.0	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	225 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


**Fragment table for sample 1 : C-4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	1,738	125.6	24.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : C-5**

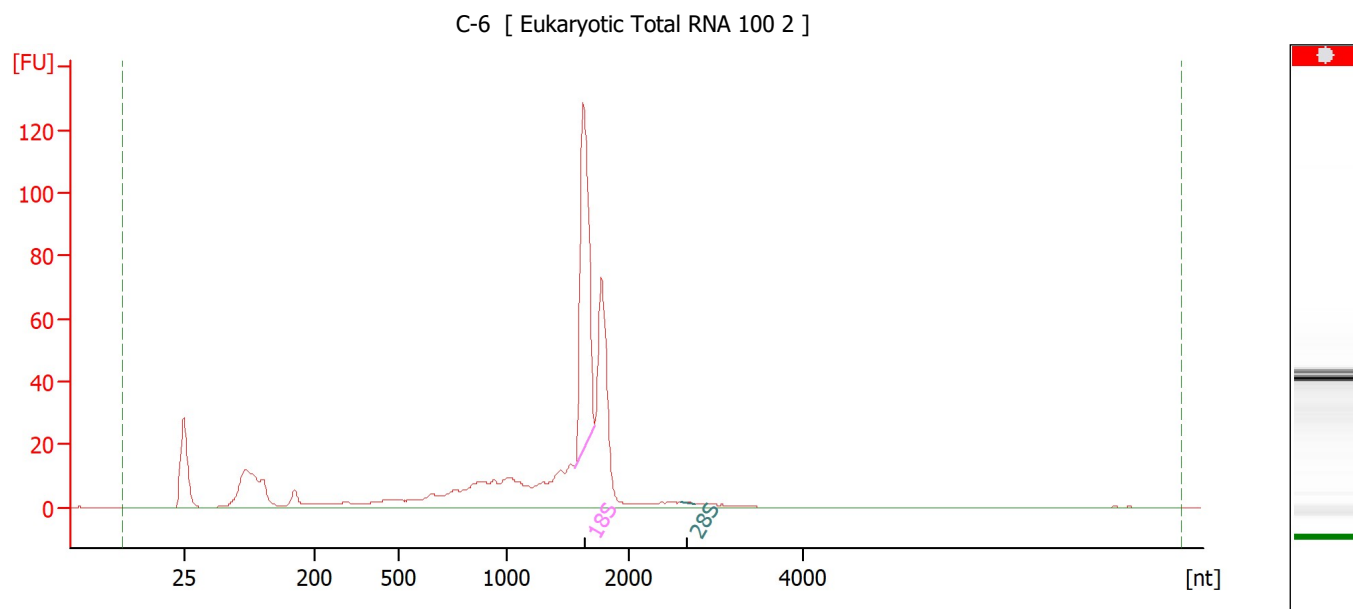
RNA Area:	503.2	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	222 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 2 : C-5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,722	108.1	21.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : C-6**

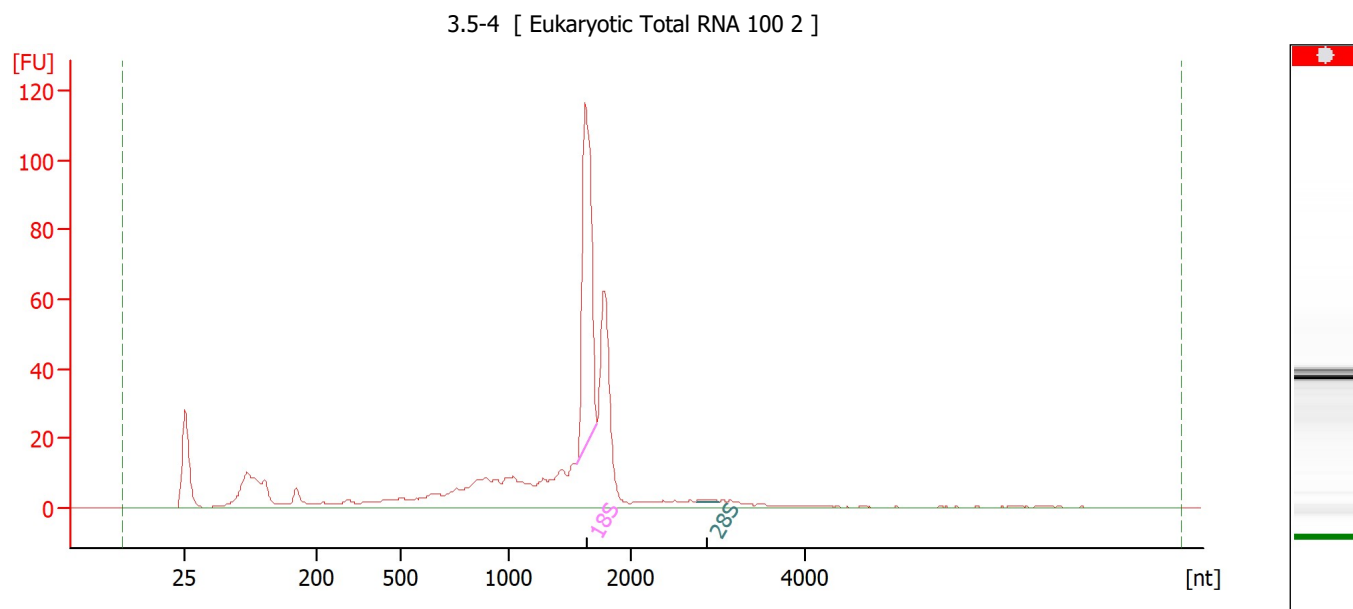
RNA Area:	513.5	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	227 ng/μl	Result Flagging Color:	<div></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 3 : C-6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,715	124.1	24.2
28S	2,606	2,766	0.2	0.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : 3.5-4**

RNA Area:	496.8	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	220 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 4 : 3.5-4**

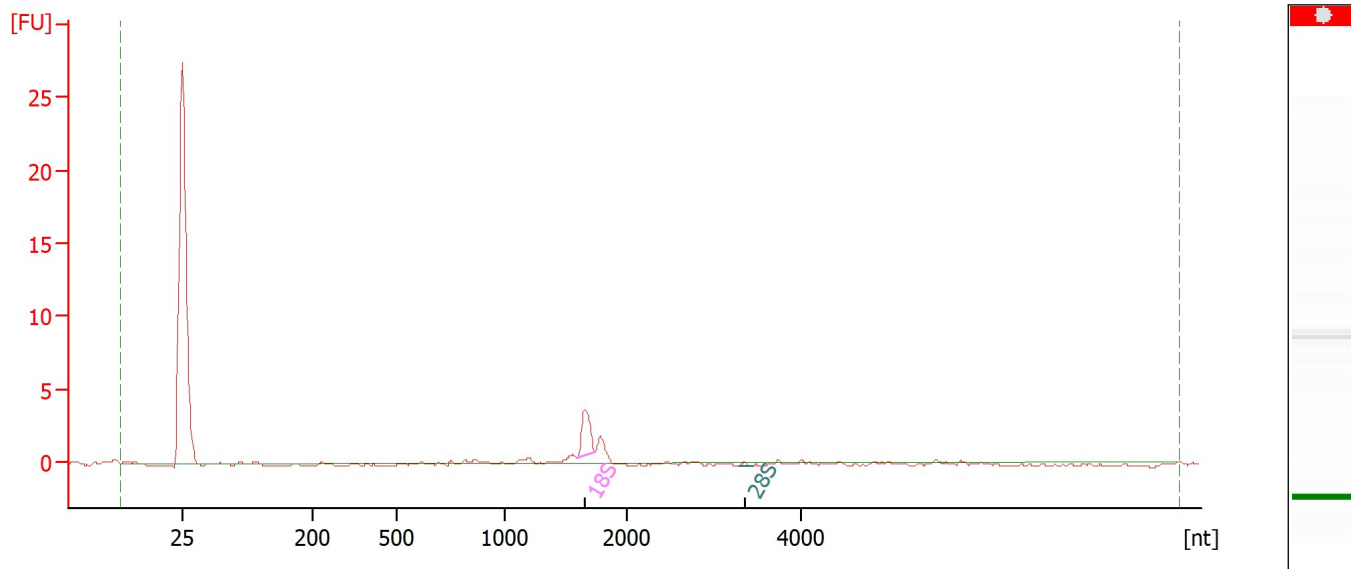
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,725	114.0	22.9
28S	2,753	2,999	0.6	0.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
 Modified: 12/20/2023 1:02:48 PM

### Electropherogram Summary Continued ...

3.5-5 [ Eukaryotic Total RNA 100 2 ]



### Overall Results for sample 5 : 3.5-5

RNA Area:	8.3	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	4 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

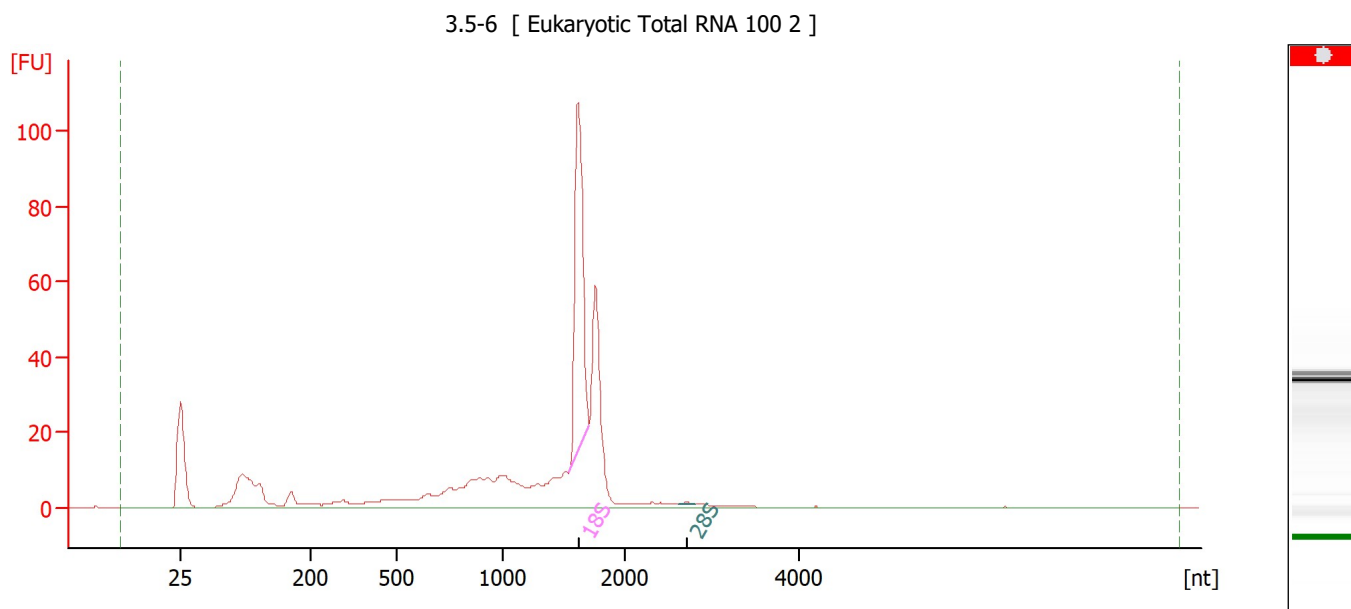
### Fragment table for sample 5 : 3.5-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,593	1,741	3.2	39.0
28S	3,296	3,456	0.1	1.6



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : 3.5-6**

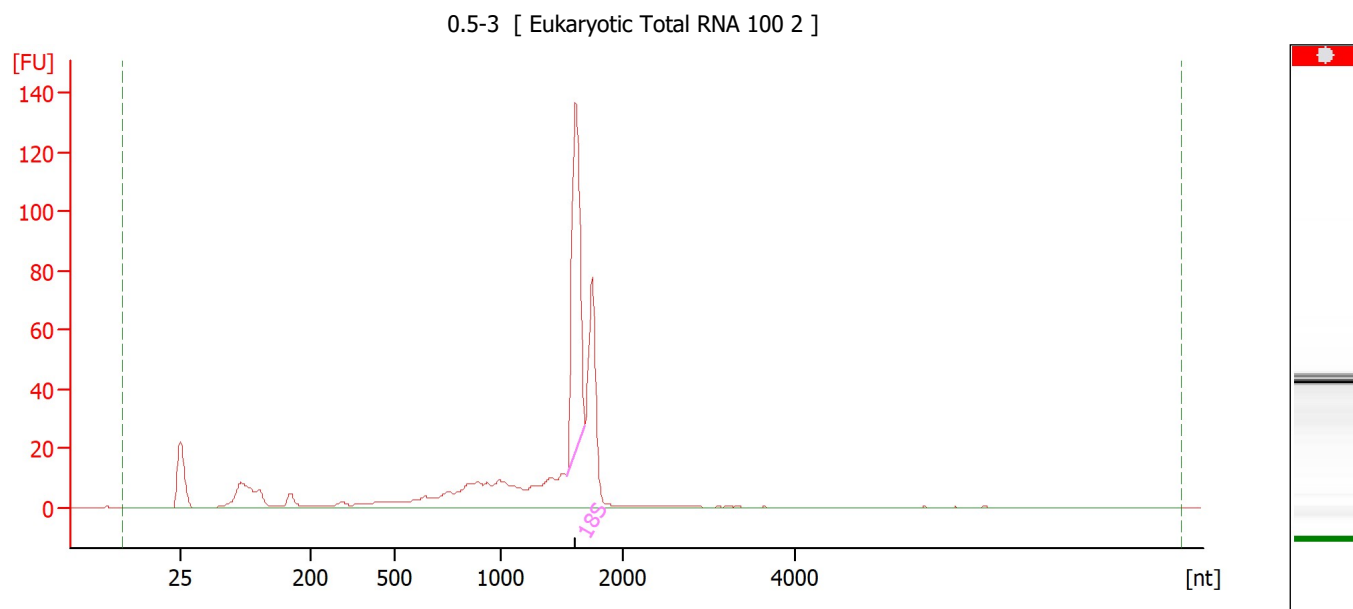
RNA Area:	415.9	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	184 ng/μl	Result Flagging Color:	<div></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 6 : 3.5-6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,705	103.2	24.8
28S	2,619	2,804	0.2	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : 0.5-3**

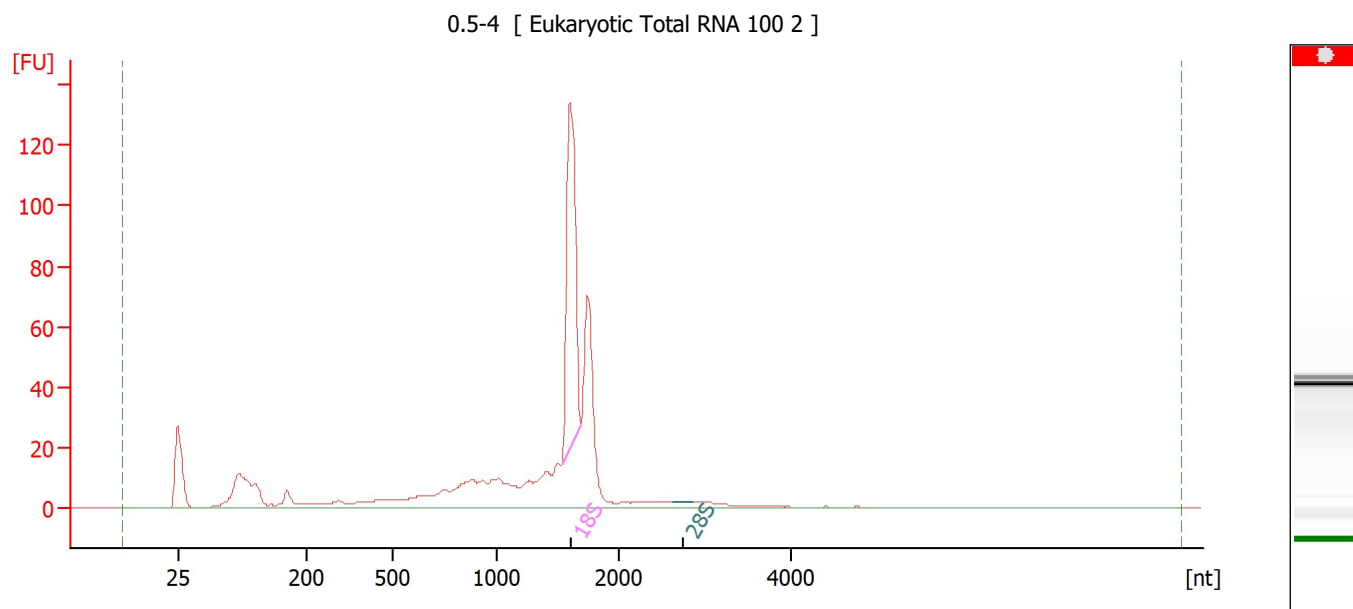
RNA Area:	467.2	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	206 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 7 : 0.5-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,694	125.0	26.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 0.5-4**

RNA Area:	544.9	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	241 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

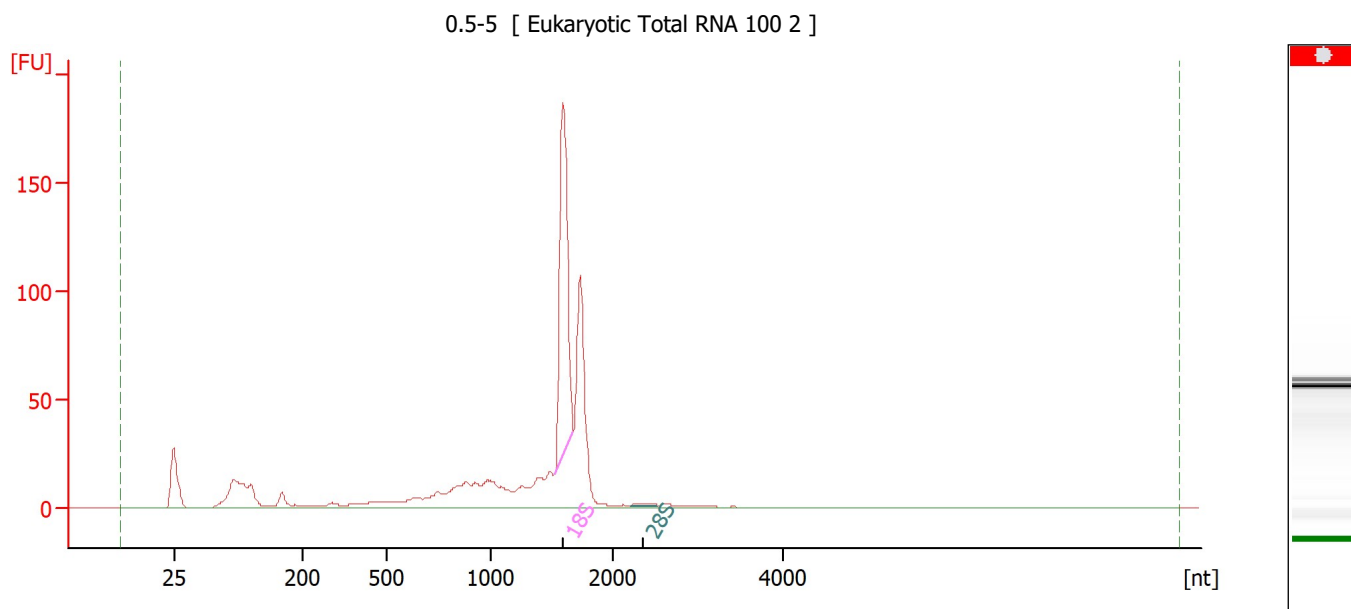
**Fragment table for sample 8 : 0.5-4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,533	1,691	129.1	23.7
28S	2,621	2,870	0.5	0.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
 Modified: 12/20/2023 1:02:48 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 9 : 0.5-5

RNA Area:	671.3	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	297 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

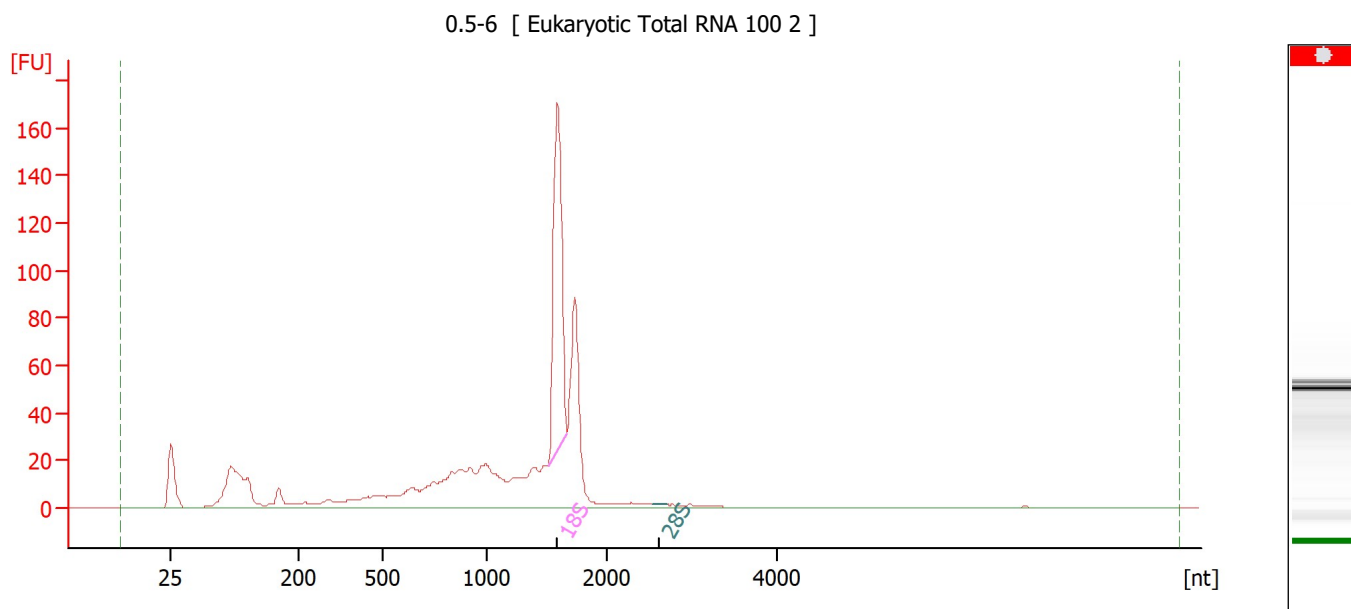
### Fragment table for sample 9 : 0.5-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,521	1,671	179.8	26.8
28S	2,210	2,522	0.8	0.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
 Modified: 12/20/2023 1:02:48 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 10 : 0.5-6

RNA Area:	748.9	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	331 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

### Fragment table for sample 10 : 0.5-6

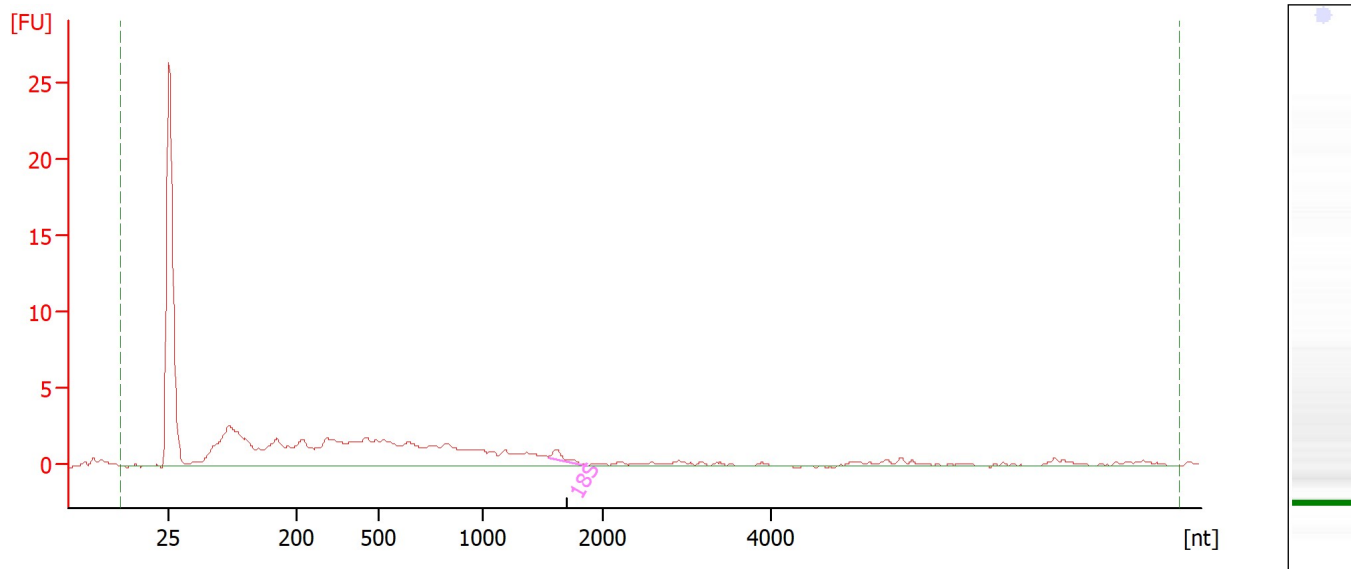
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,676	160.1	21.4
28S	2,536	2,712	0.3	0.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...**

A-1 [ Eukaryotic Total RNA 100 2 ]

**Overall Results for sample 11 : A-1**

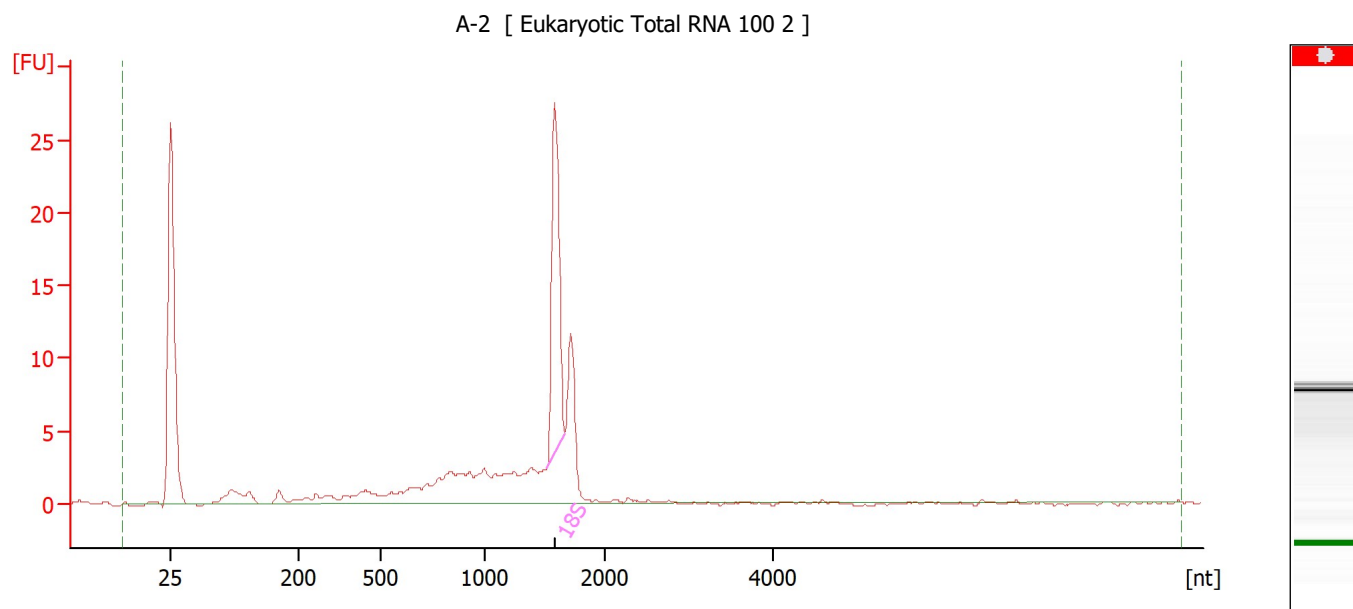
RNA Area:	80.7	RNA Integrity Number (RIN):	2.3 (B.02.11)
RNA Concentration:	36 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

**Fragment table for sample 11 : A-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,870	0.8	1.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : A-2**

RNA Area:	95.0	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	42 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 12 : A-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,521	1,673	23.0	24.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...12-20\6480\_Eukaryote Total RNA Nano\_2023-12-20\_11-40-15.xad

Created: 12/20/2023 11:40:15 AM  
Modified: 12/20/2023 1:02:48 PM

**Gel Image**