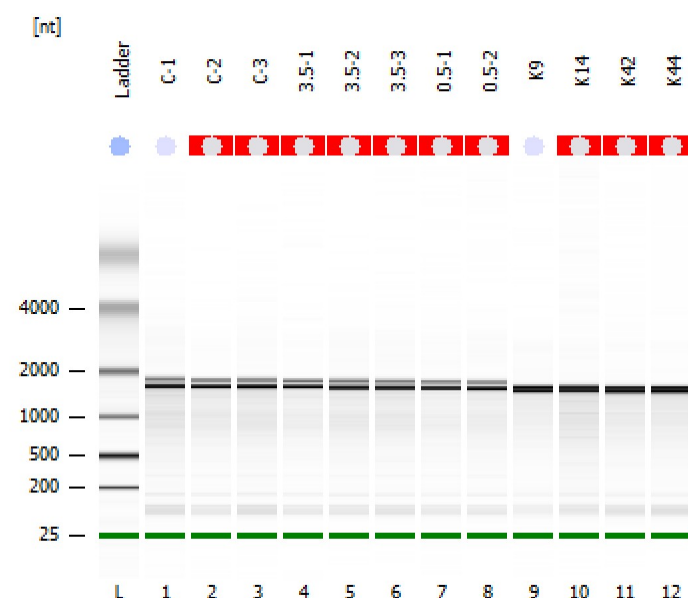


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

## Electrophoresis File Run Summary



### Instrument Information:

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

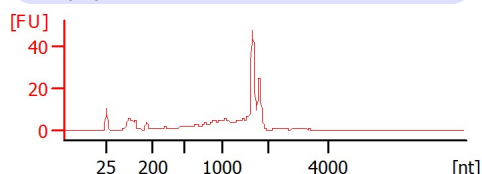
### Assay Information:

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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

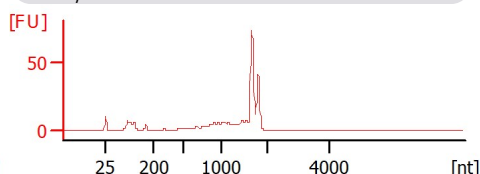
### Chip Information:

Chip Lot #: BQ30BK20  
Reagent Kit Lot #: setB  
Chip Comments: RNA Nano | Eukaryotic Total | Felipe Barreto | Felipe Barreto | 7375852 | felipe.barreto@oregonstate.edu | copepod | whole animal |

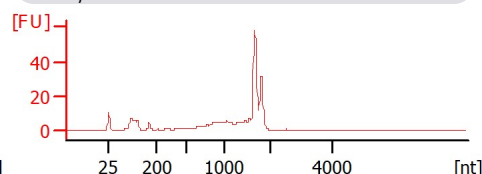
**C-1**  
Eukaryotic Total RNA 75 2  
RIN: 6.20



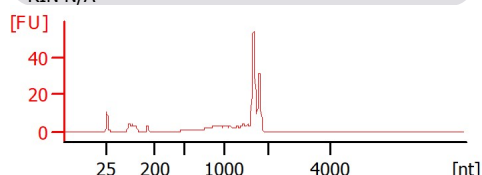
**C-2**  
Eukaryotic Total RNA 75 2  
RIN N/A



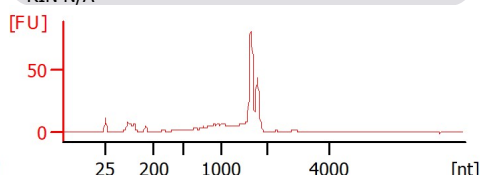
**C-3**  
Eukaryotic Total RNA 75 2  
RIN N/A



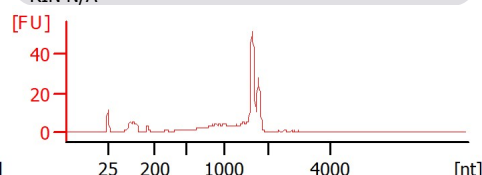
**3.5-1**  
Eukaryotic Total RNA 75 2  
RIN N/A



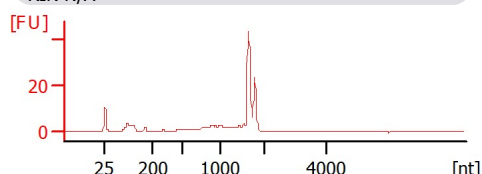
**3.5-2**  
Eukaryotic Total RNA 75 2  
RIN N/A



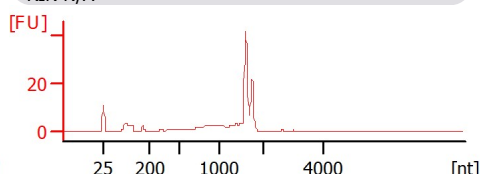
**3.5-3**  
Eukaryotic Total RNA 75 2  
RIN N/A



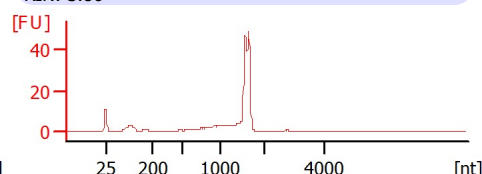
**0.5-1**  
Eukaryotic Total RNA 75 2  
RIN N/A



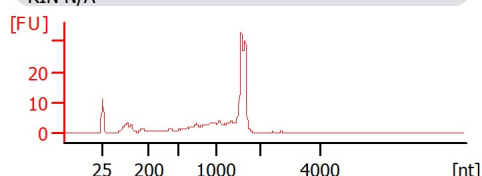
**0.5-2**  
Eukaryotic Total RNA 75 2  
RIN N/A



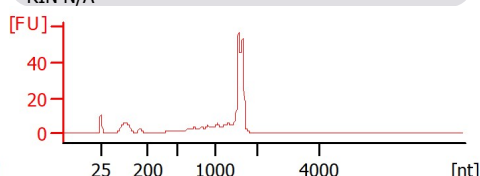
**K9**  
Eukaryotic Total RNA 75 2  
RIN: 3.80



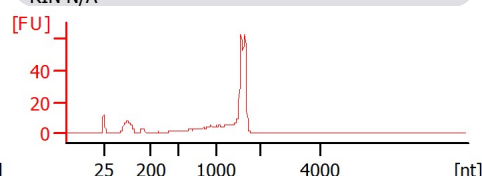
**K14**  
Eukaryotic Total RNA 75 2  
RIN N/A



**K42**  
Eukaryotic Total RNA 75 2  
RIN N/A



**K44**  
Eukaryotic Total RNA 75 2  
RIN N/A



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
C-1	Eukaryotic Total RNA 75 2	✓	RIN: 6.20	
C-2	Eukaryotic Total RNA 75 2	✓	RIN N/A	
C-3	Eukaryotic Total RNA 75 2	✓	RIN N/A	
3.5-1	Eukaryotic Total RNA 75 2	✓	RIN N/A	
3.5-2	Eukaryotic Total RNA 75 2	✓	RIN N/A	
3.5-3	Eukaryotic Total RNA 75 2	✓	RIN N/A	
0.5-1	Eukaryotic Total RNA 75 2	✓	RIN N/A	
0.5-2	Eukaryotic Total RNA 75 2	✓	RIN N/A	
K9	Eukaryotic Total RNA 75 2	✓	RIN: 3.80	
K14	Eukaryotic Total RNA 75 2	✓	RIN N/A	
K42	Eukaryotic Total RNA 75 2	✓	RIN N/A	
K44	Eukaryotic Total RNA 75 2	✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

BQ30BK20

**Reagent Kit Lot #**

setB

**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:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 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

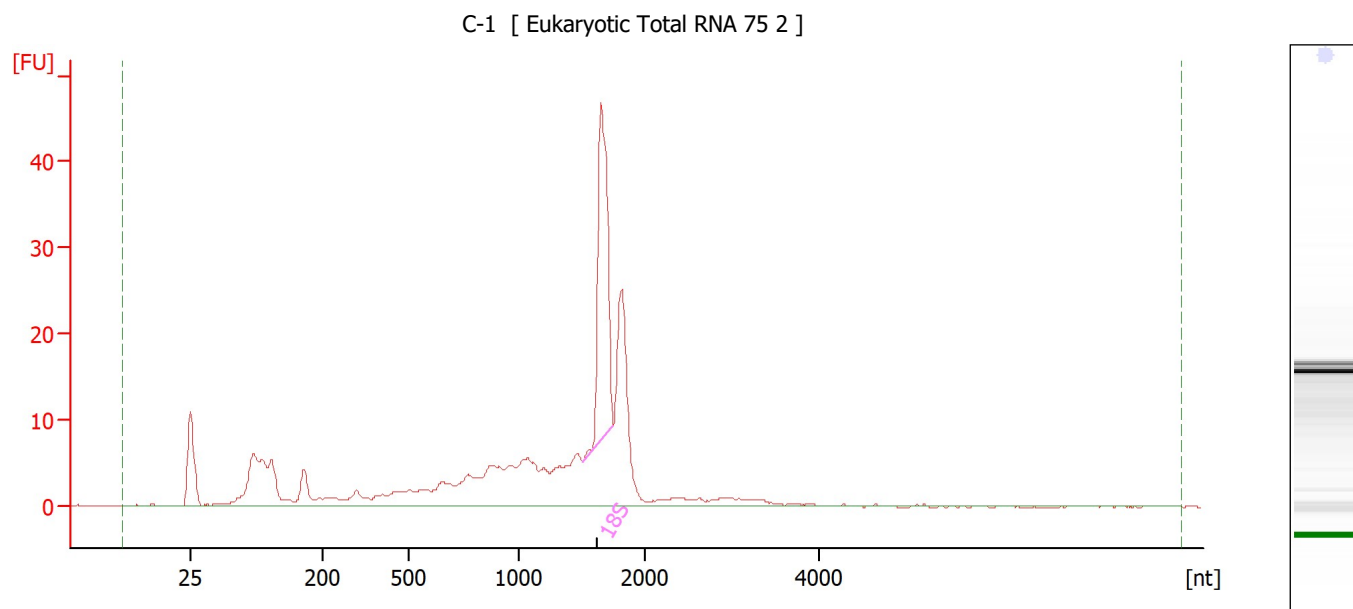
Filter Width [s] : 0.5  
Polynomial Order : 4

### 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:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

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

RNA Area:	256.2	RNA Integrity Number (RIN):	6.2 (B.02.11)
RNA Concentration:	165 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.20

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

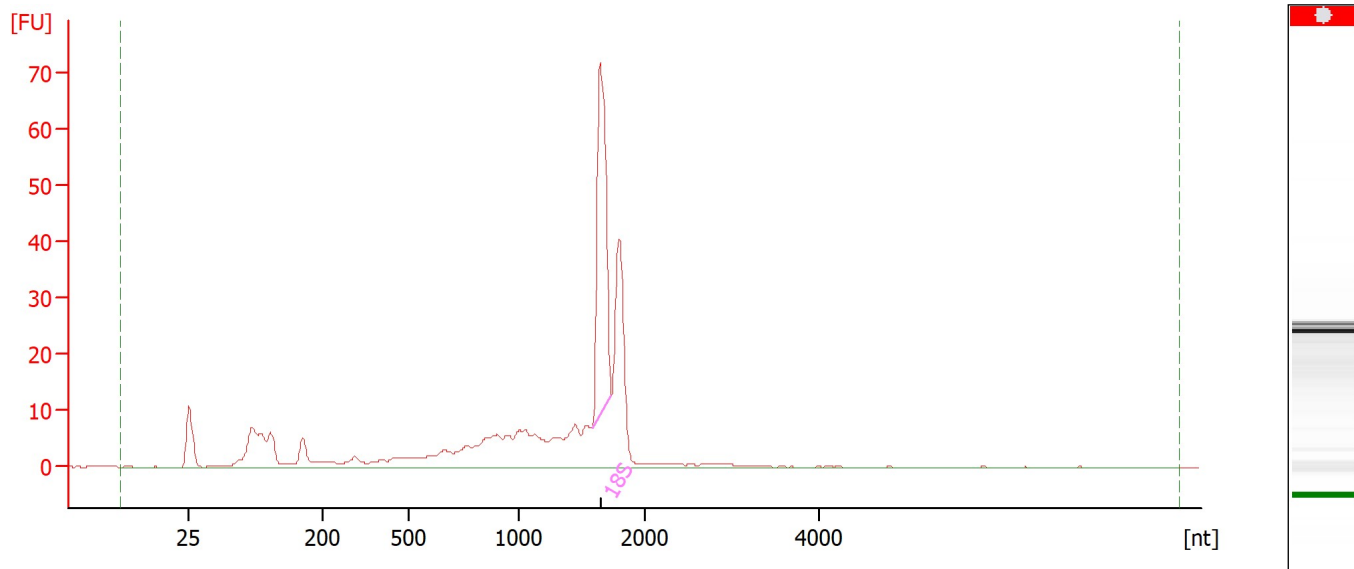
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,754	47.1	18.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...**

C-2 [ Eukaryotic Total RNA 75 2 ]

**Overall Results for sample 2 : C-2**

RNA Area:	305.8	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	197 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 2 : C-2**

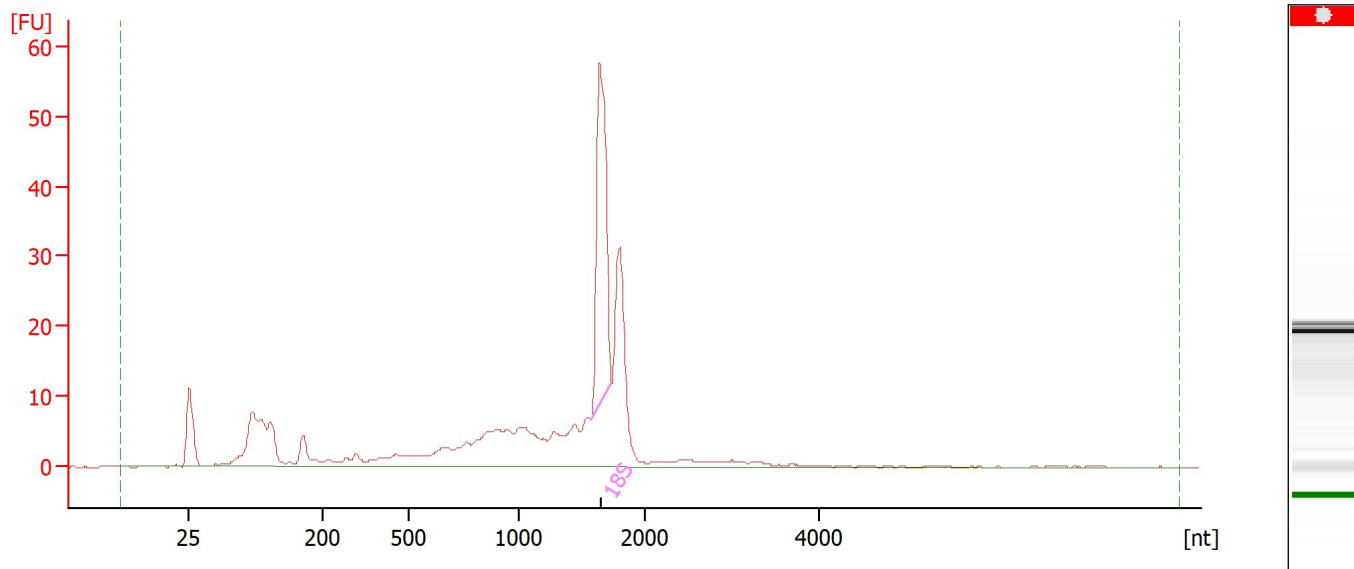
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,586	1,738	68.7	22.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...**

C-3 [ Eukaryotic Total RNA 75 2 ]

**Overall Results for sample 3 : C-3**

RNA Area:	293.5	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	189 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 3 : C-3**

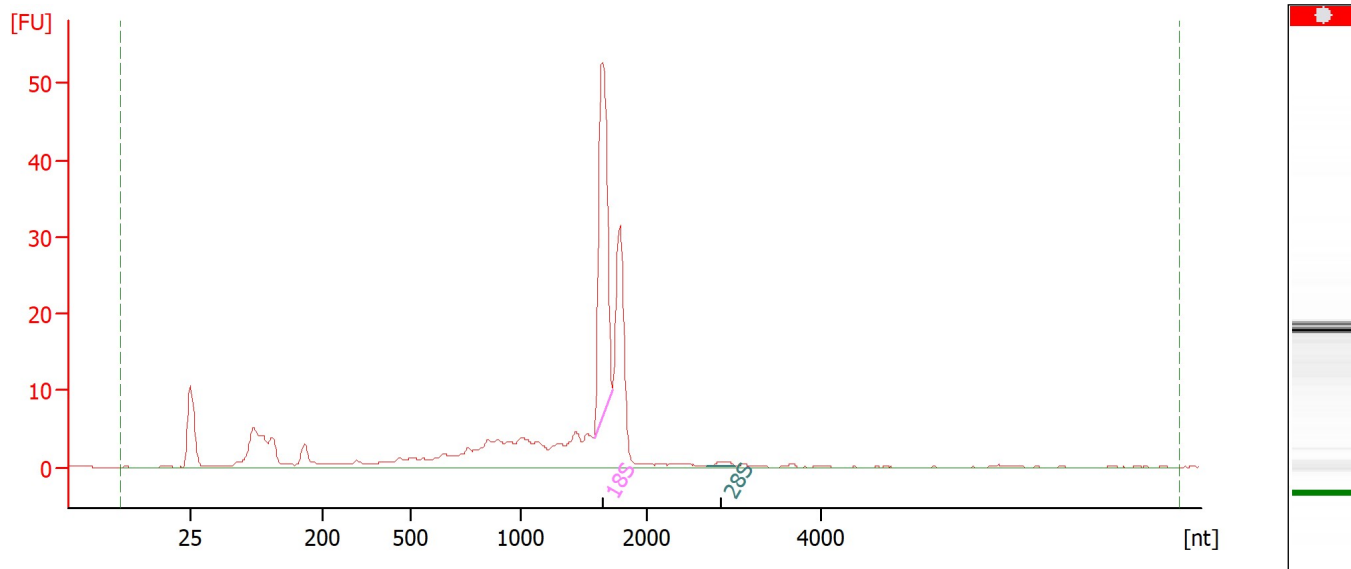
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,738	57.4	19.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...**

3.5-1 [ Eukaryotic Total RNA 75 2 ]

**Overall Results for sample 4 : 3.5-1**

RNA Area:	203.4	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	131 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 : 3.5-1**

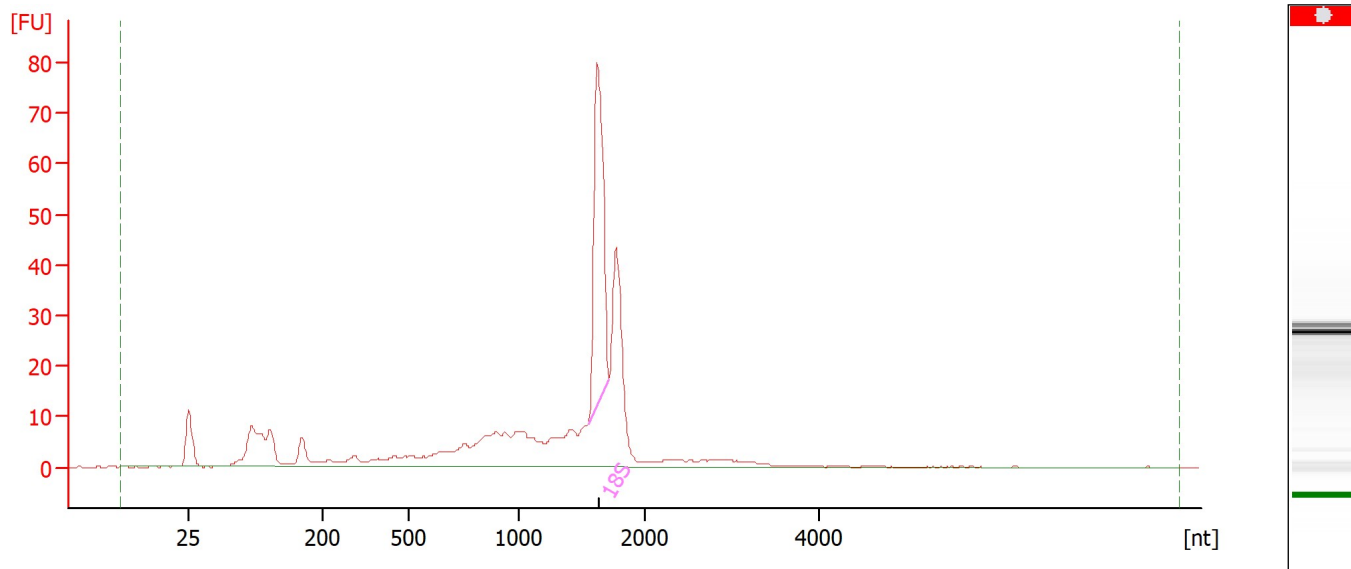
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,731	48.8	24.0
28S	2,697	3,015	0.7	0.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...**

3.5-2 [ Eukaryotic Total RNA 75 2 ]

**Overall Results for sample 5 : 3.5-2**

RNA Area:	371.0	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	239 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 : 3.5-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,721	79.6	21.5

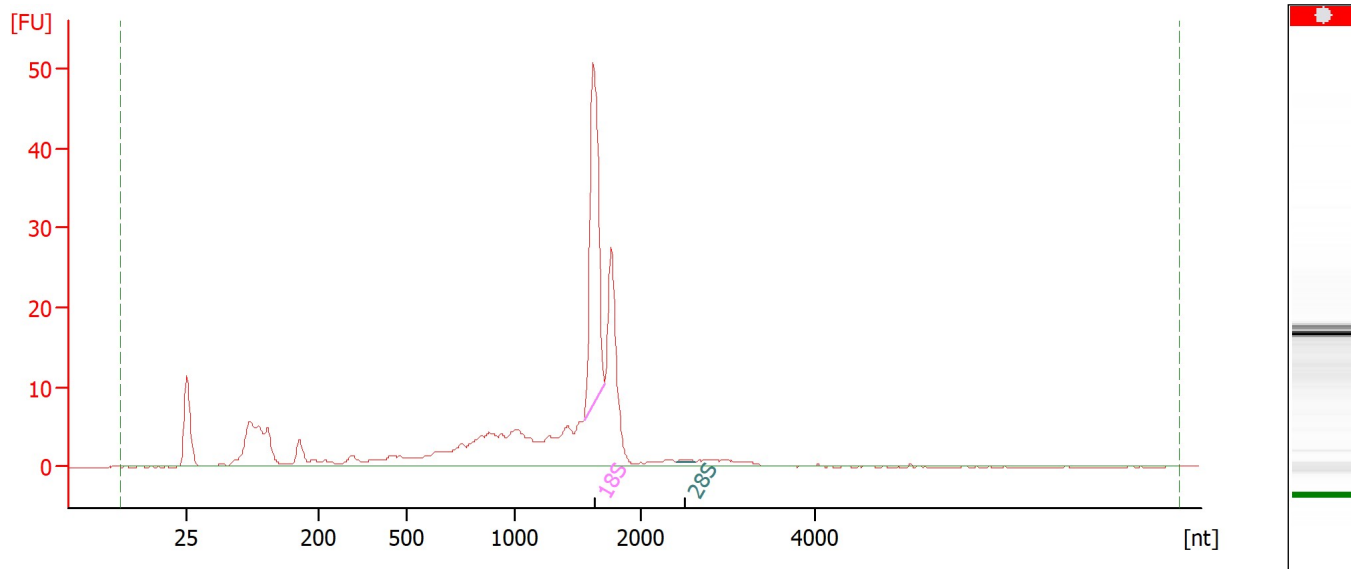


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
 Modified: 11/20/2023 12:54:48 PM

### Electropherogram Summary Continued ...

3.5-3 [ Eukaryotic Total RNA 75 2 ]



### Overall Results for sample 6 : 3.5-3

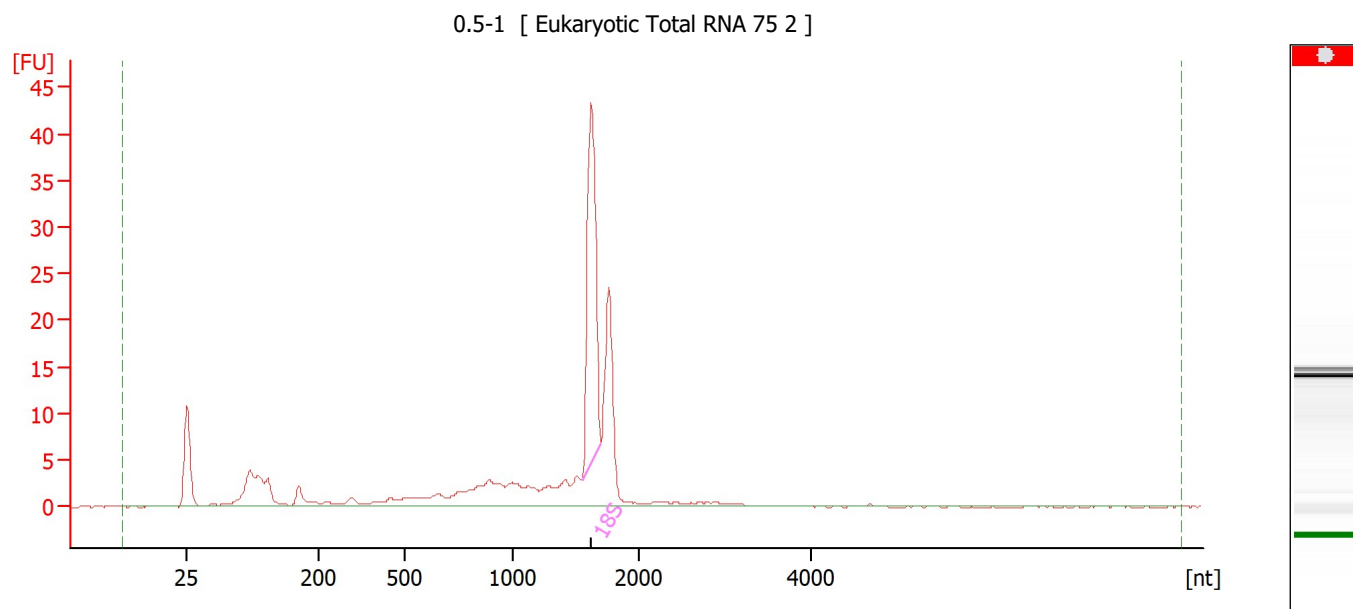
RNA Area:	225.6	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	145 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

### Fragment table for sample 6 : 3.5-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,710	49.3	21.8
28S	2,429	2,626	0.2	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : 0.5-1**

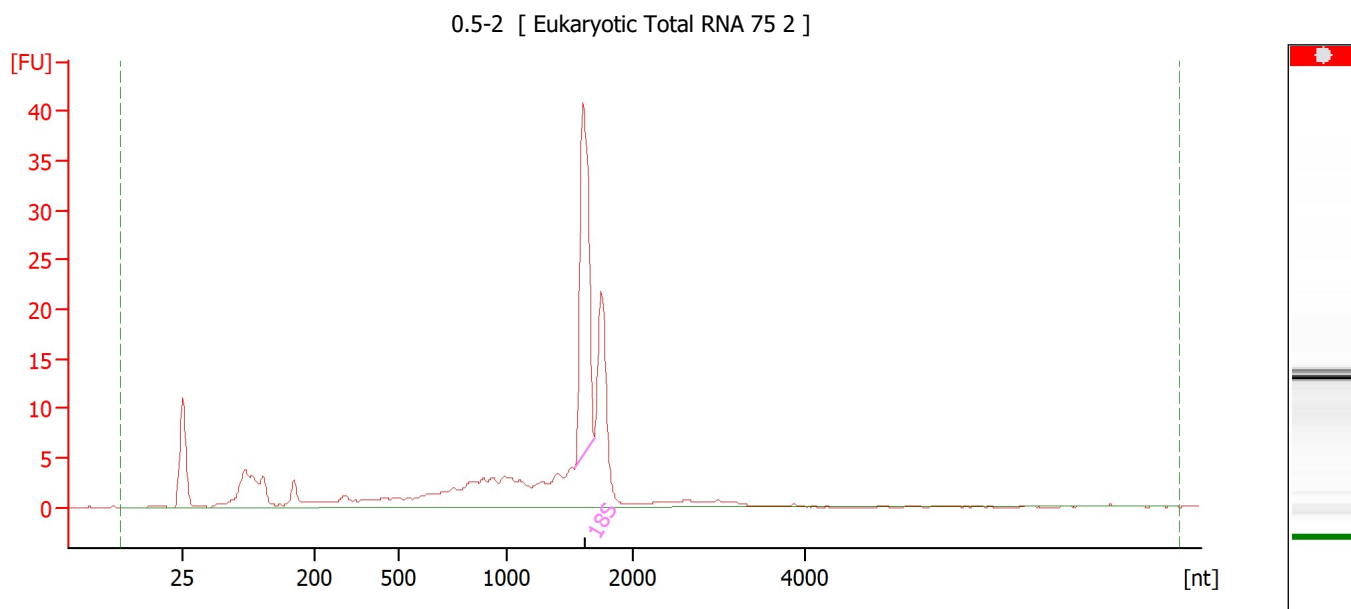
RNA Area:	151.5	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	98 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 7 : 0.5-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,708	41.5	27.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 0.5-2**

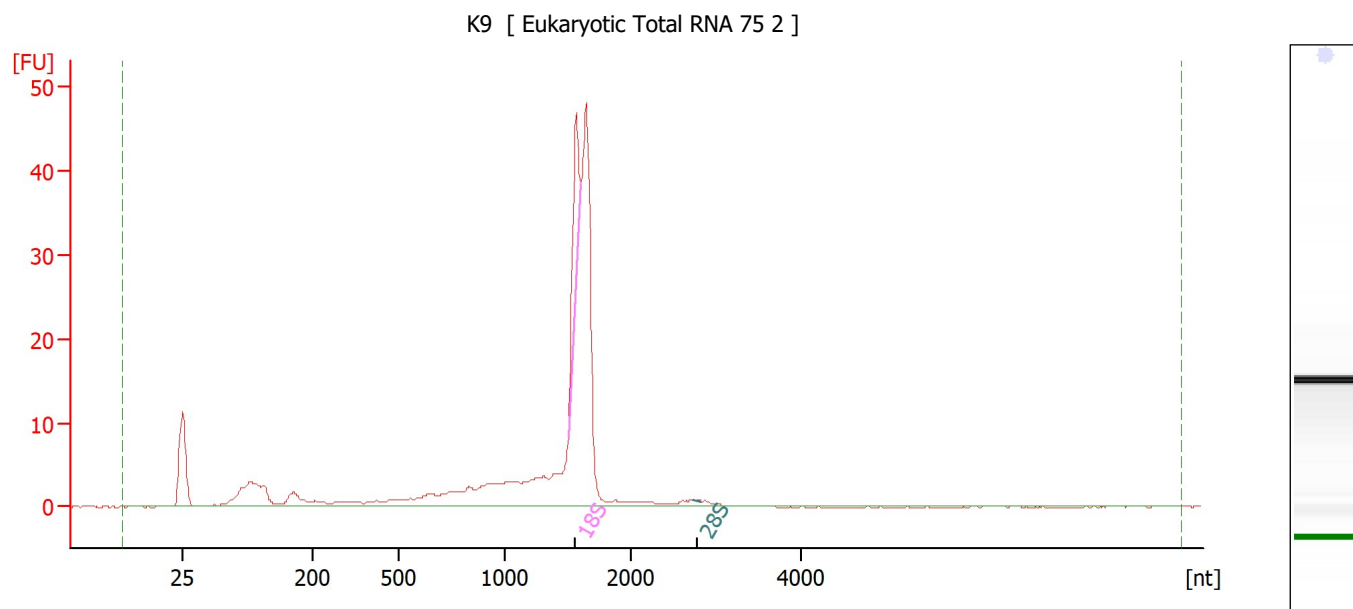
RNA Area:	170.6	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	110 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 8 : 0.5-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,543	1,697	39.8	23.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : K9**

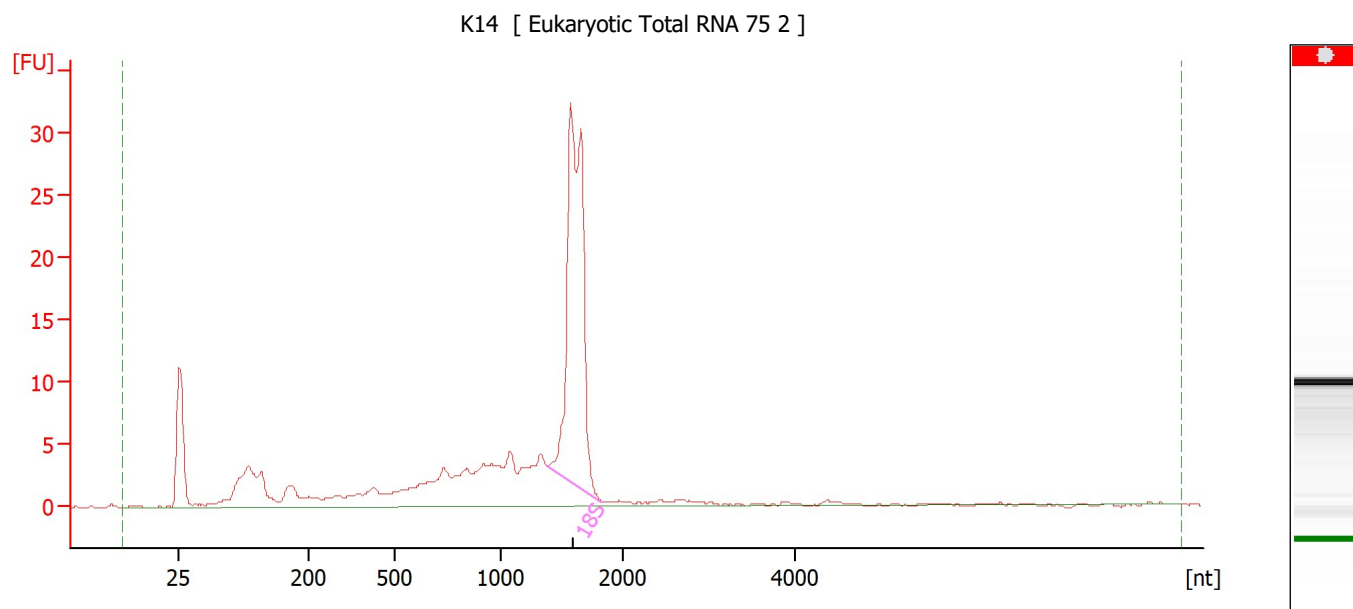
RNA Area:	183.5	RNA Integrity Number (RIN):	3.8 (B.02.11)
RNA Concentration:	118 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.80


**Fragment table for sample 9 : K9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,608	15.4	8.4
28S	2,729	2,829	0.0	0.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : K14**

RNA Area:	172.3	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	111 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

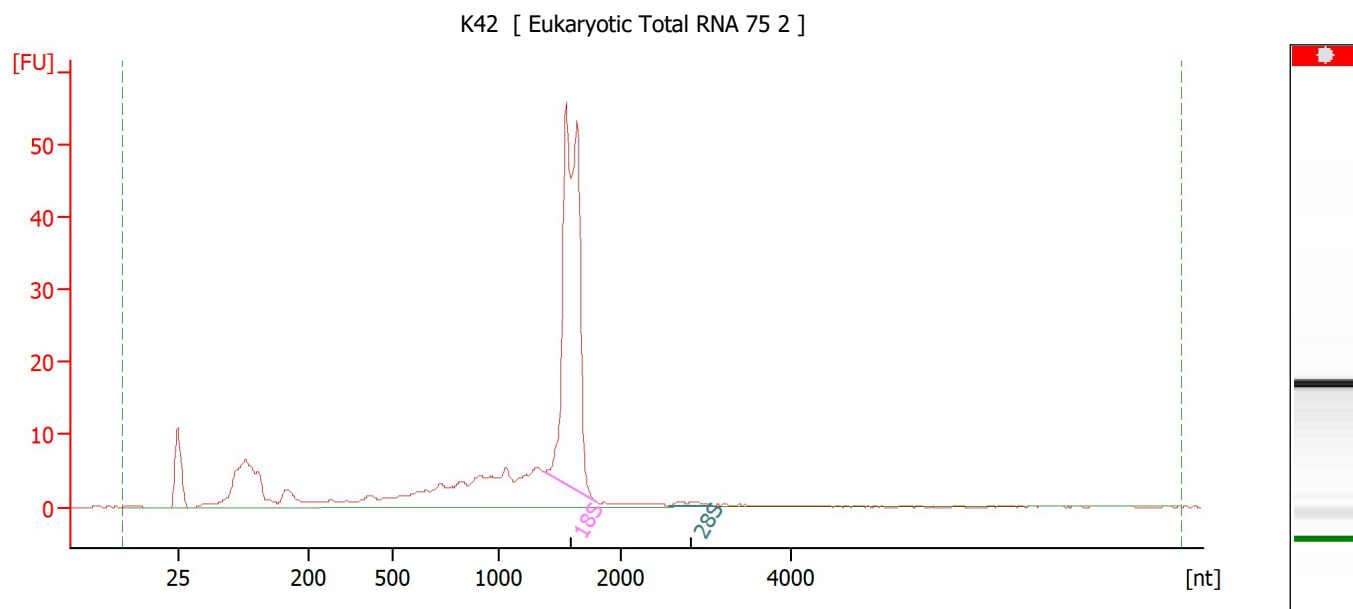
**Fragment table for sample 10 : K14**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,379	1,821	64.0	37.2

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
 Modified: 11/20/2023 12:54:48 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 11 : K42

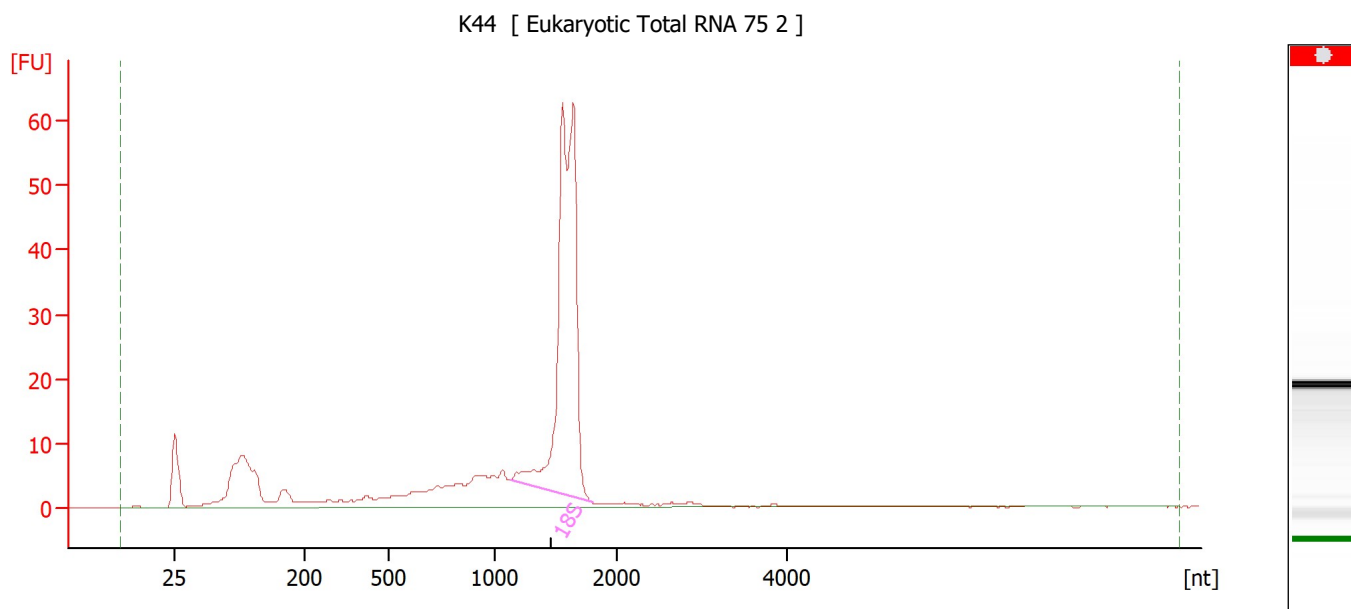
RNA Area:	262.1	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	169 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

### Fragment table for sample 11 : K42

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,368	1,794	113.5	43.3
28S	2,557	3,085	1.5	0.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : K44**

RNA Area:	305.4	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	197 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 : K44**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,131	1,793	146.8	48.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...11-20\6450\_Eukaryote Total RNA Nano\_2023-11-20\_11-04-20.xad

Created: 11/20/2023 11:04:20 AM  
Modified: 11/20/2023 12:54:48 PM

**Gel Image**