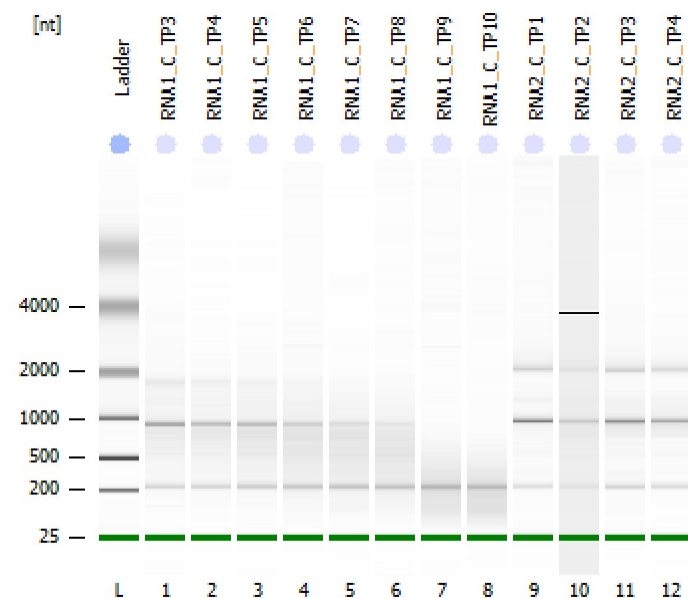


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electrophoresis File Run Summary****Instrument Information:**

Instrument Name: DE72901420  
Serial#: DE72901420

Firmware: C.01.069  
Type: G2939A

**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)

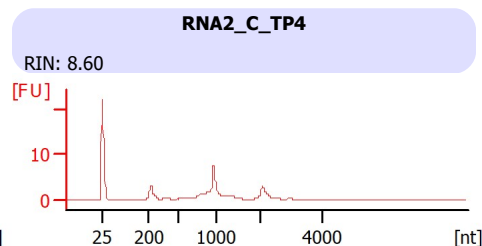
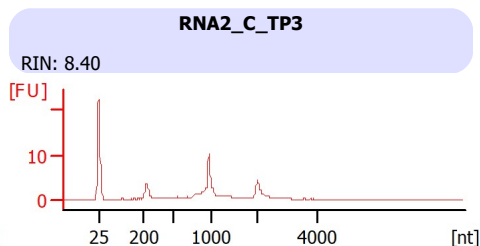
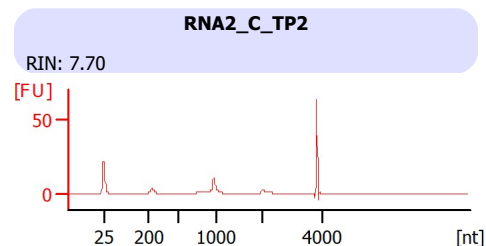
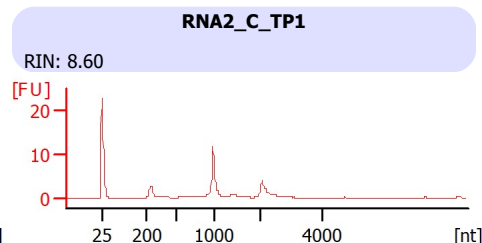
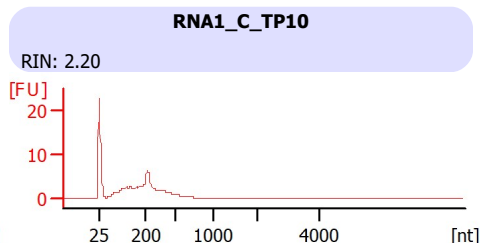
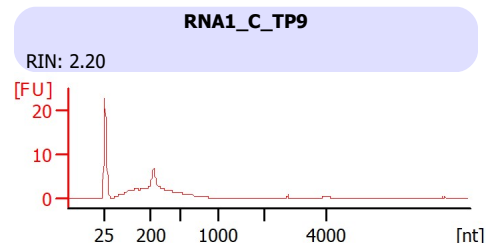
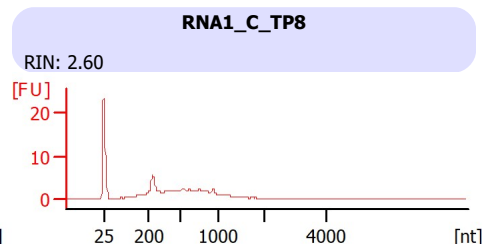
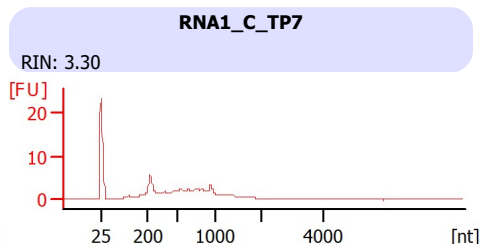
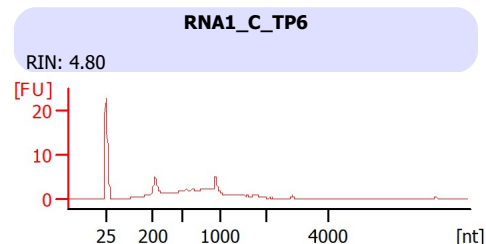
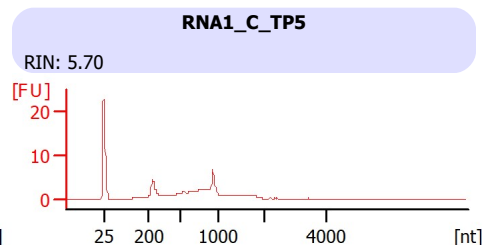
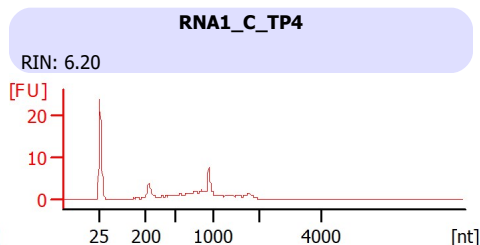
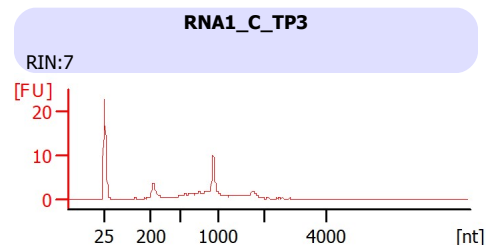
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**Chip Information:**

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

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

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA1_C_TP3		✓	RIN:7	
RNA1_C_TP4		✓	RIN: 6.20	
RNA1_C_TP5		✓	RIN: 5.70	
RNA1_C_TP6		✓	RIN: 4.80	
RNA1_C_TP7		✓	RIN: 3.30	
RNA1_C_TP8		✓	RIN: 2.60	
RNA1_C_TP9		✓	RIN: 2.20	
RNA1_C_TP10		✓	RIN: 2.20	
RNA2_C_TP1		✓	RIN: 8.60	
RNA2_C_TP2		✓	RIN: 7.70	
RNA2_C_TP3		✓	RIN: 8.40	
RNA2_C_TP4		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 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

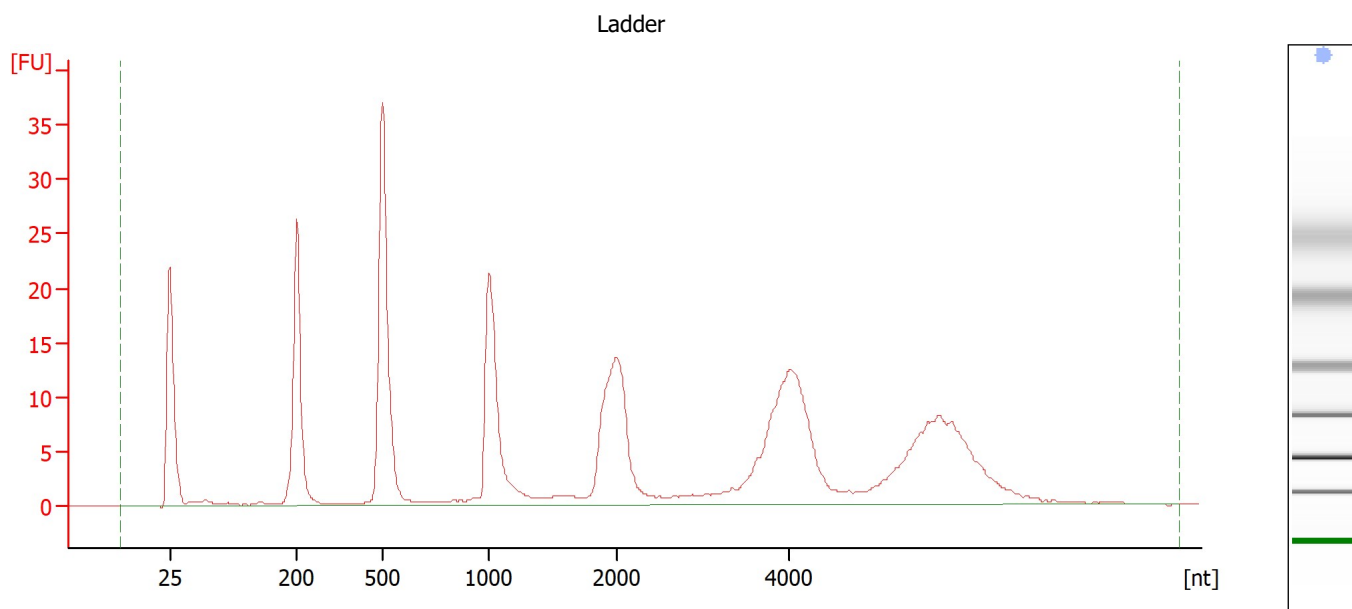
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 312.5

Result Flagging Color:



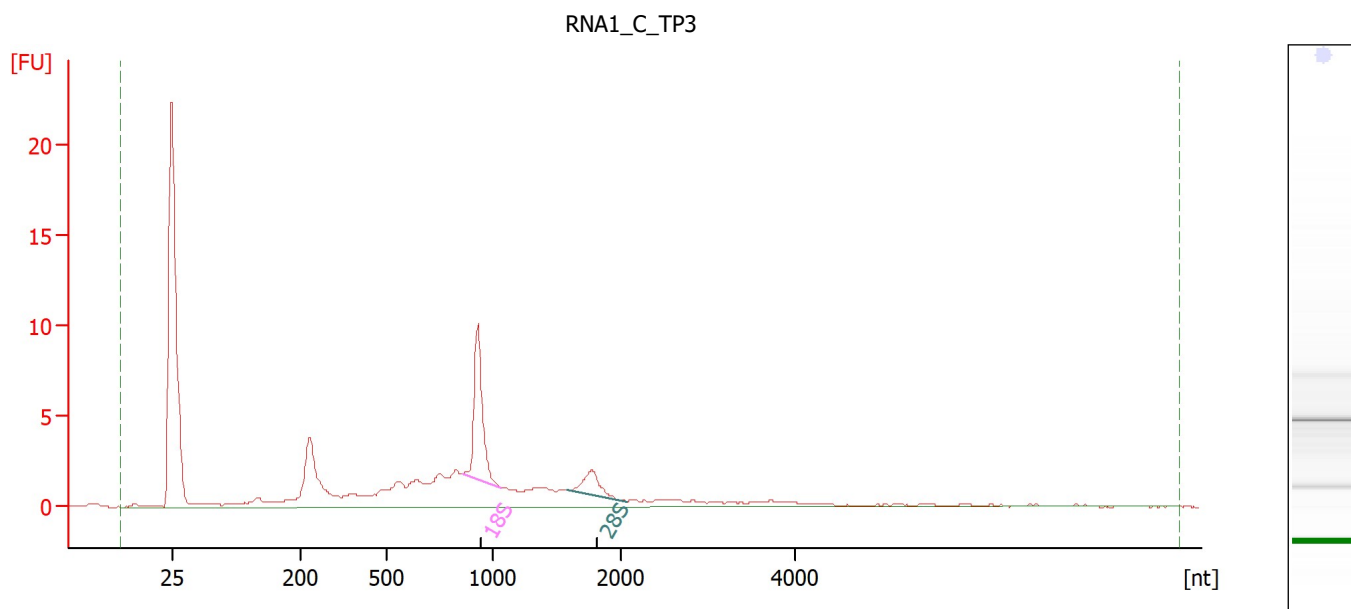
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 1 : RNA1\_C\_TP3**

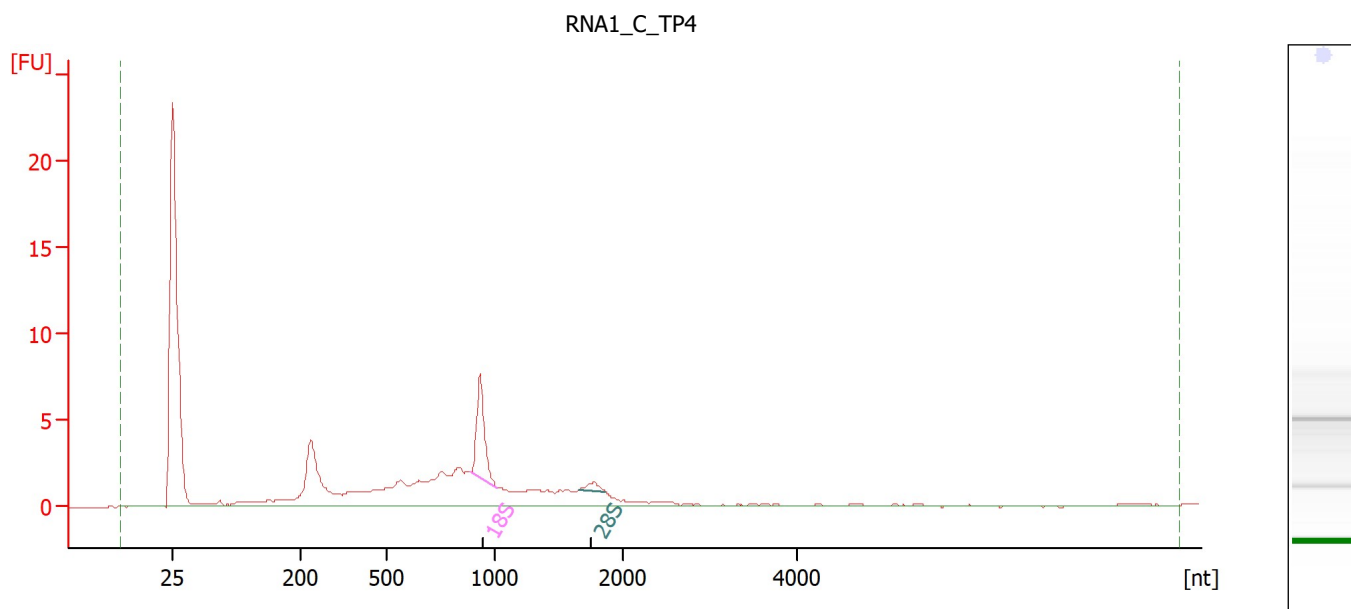
RNA Area:	75.0	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN:7

**Fragment table for sample 1 : RNA1\_C\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	853	1,055	10.1	13.5
28S	1,582	2,074	3.0	4.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : RNA1\_C\_TP4**

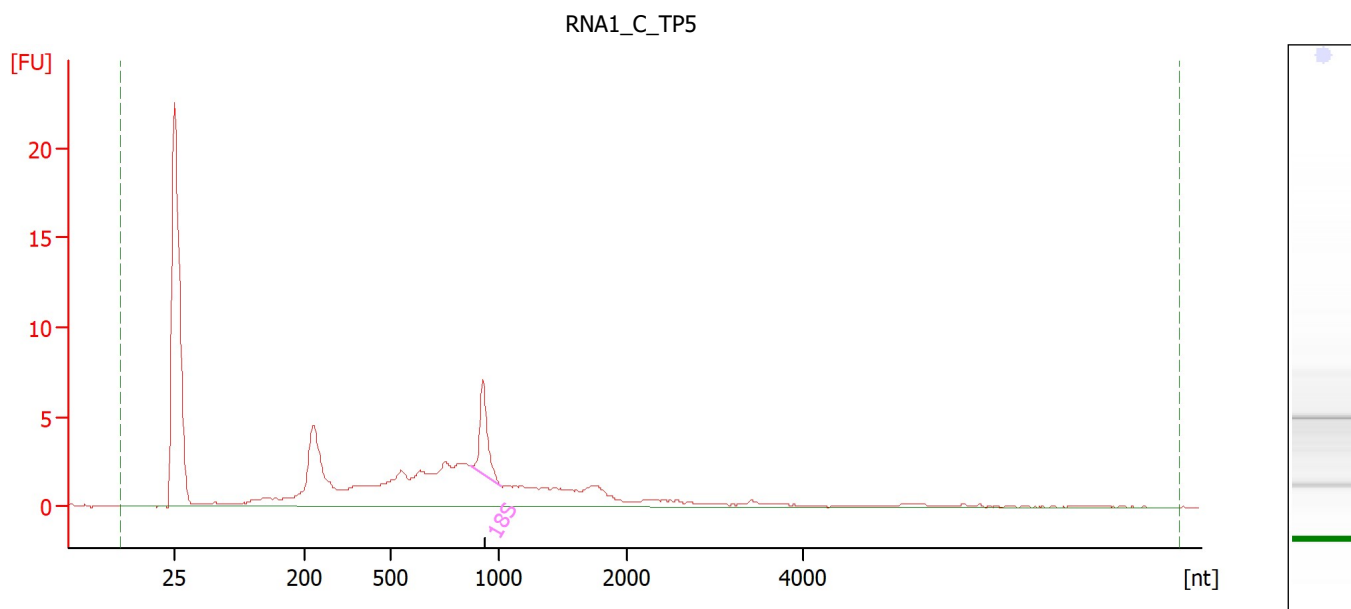
RNA Area:	67.8	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	33 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 6.20

**Fragment table for sample 2 : RNA1\_C\_TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	1,016	6.7	9.9
28S	1,650	1,859	0.8	1.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : RNA1\_C\_TP5**

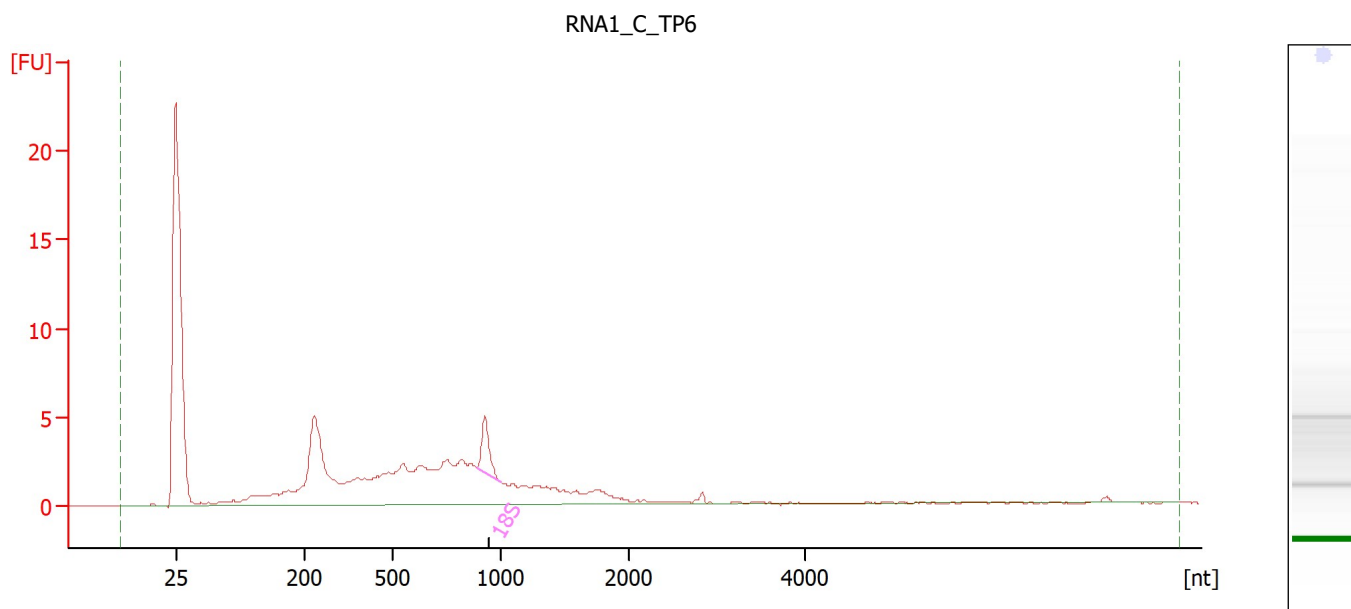
RNA Area:	84.5	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	41 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.70

**Fragment table for sample 3 : RNA1\_C\_TP5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	869	1,021	6.2	7.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : RNA1\_C\_TP6**

RNA Area:	83.4	RNA Integrity Number (RIN):	4.8 (B.02.10)
RNA Concentration:	40 ng/μl	Result Flagging Color:	<div></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.80

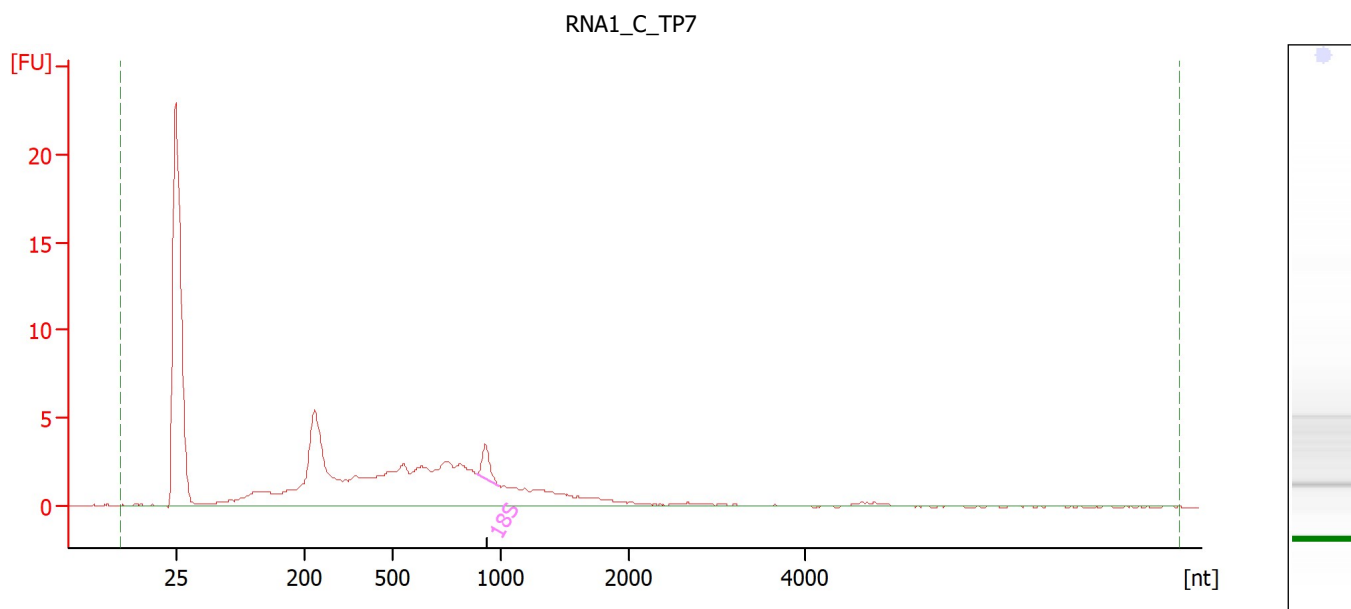
**Fragment table for sample 4 : RNA1\_C\_TP6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	1,007	3.5	4.2



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : RNA1\_C\_TP7**

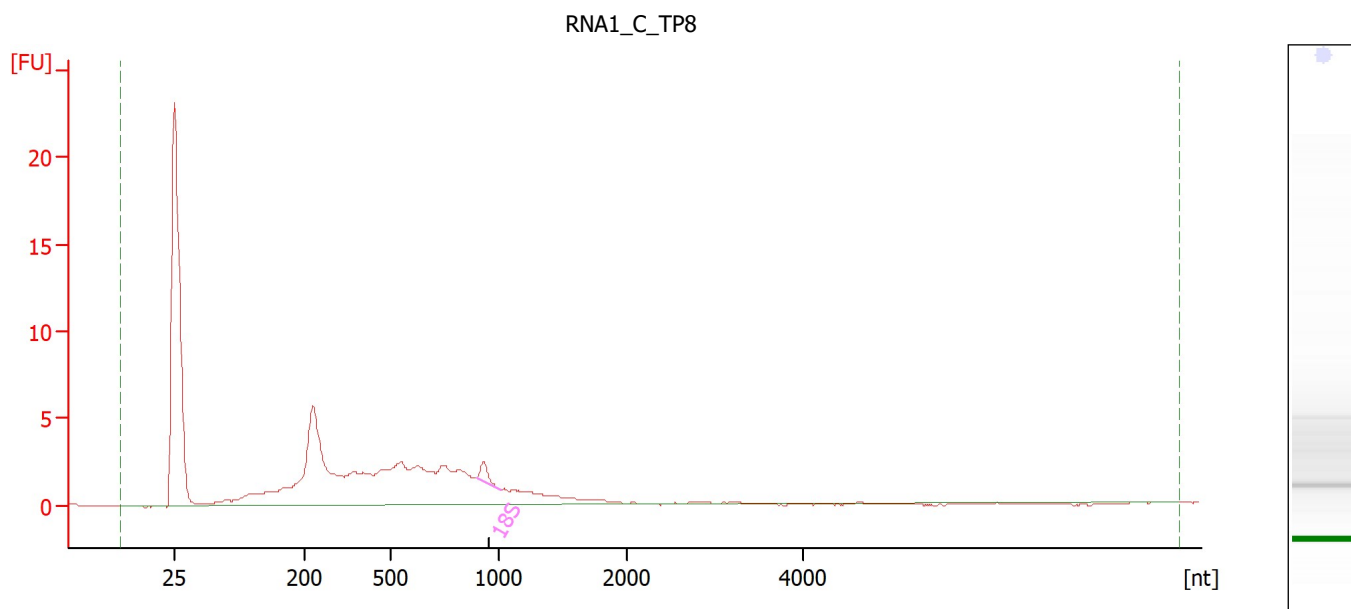
RNA Area:	82.5	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	40 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

**Fragment table for sample 5 : RNA1\_C\_TP7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	994	2.2	2.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : RNA1\_C\_TP8**

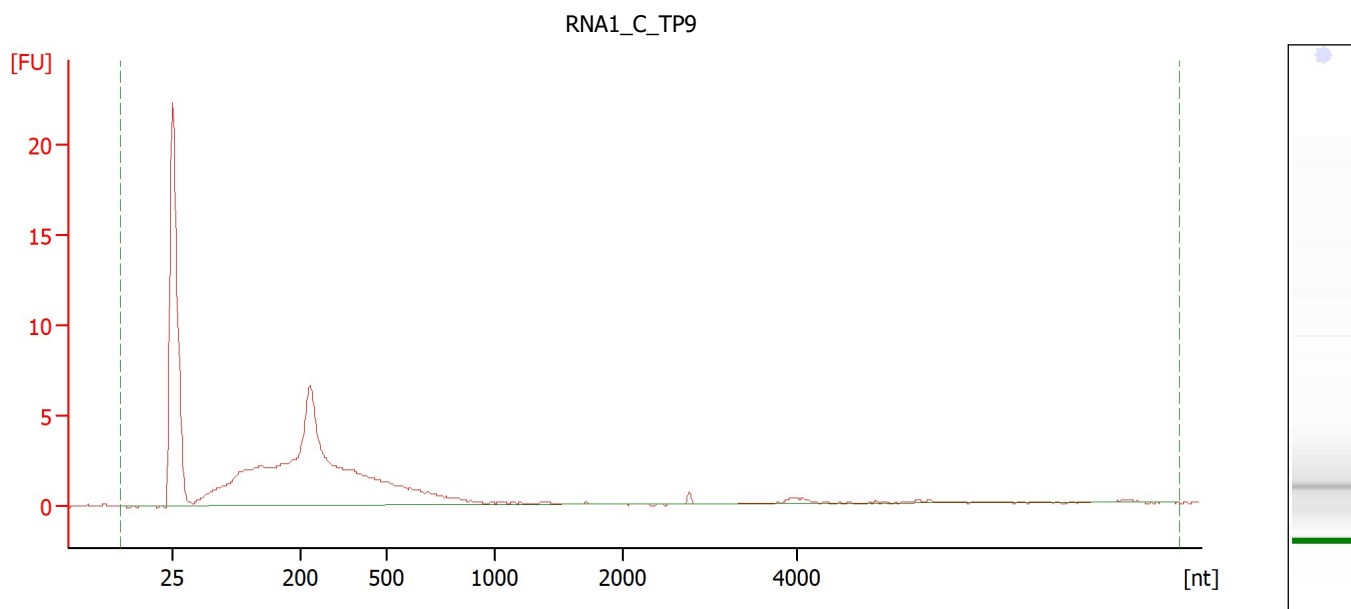
RNA Area:	77.5	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	37 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

**Fragment table for sample 6 : RNA1\_C\_TP8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	899	1,013	1.2	1.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

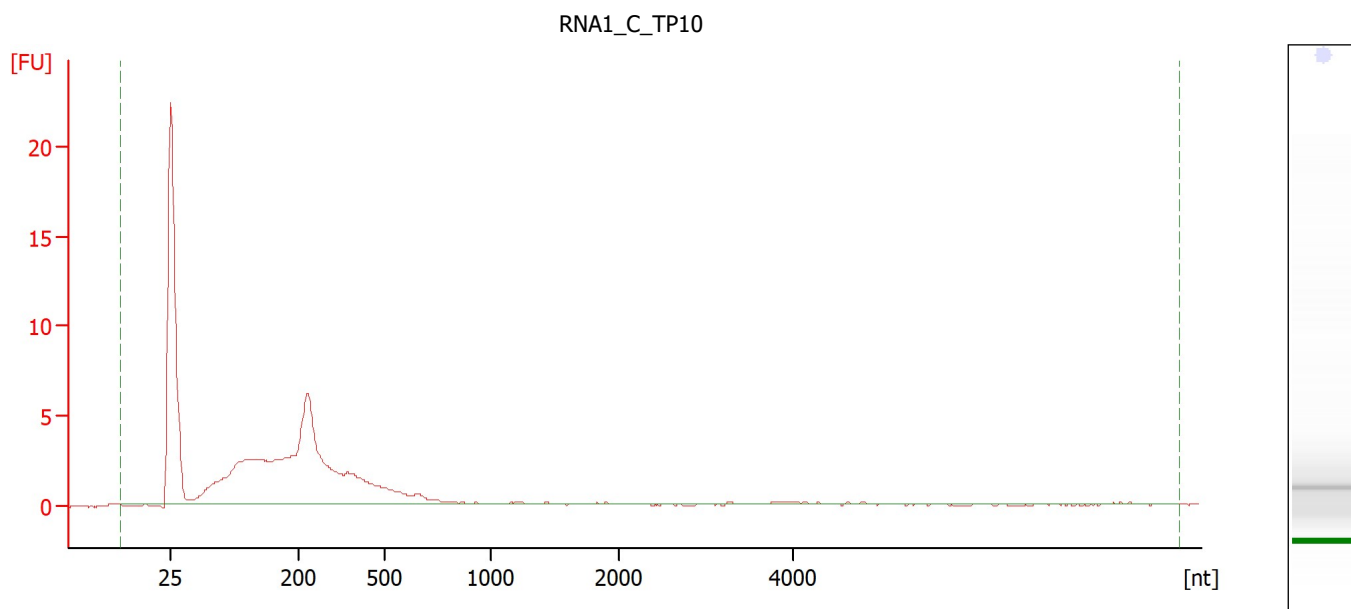
Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : RNA1\_C\_TP9**

RNA Area:	80.1	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	38 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: 2.20

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

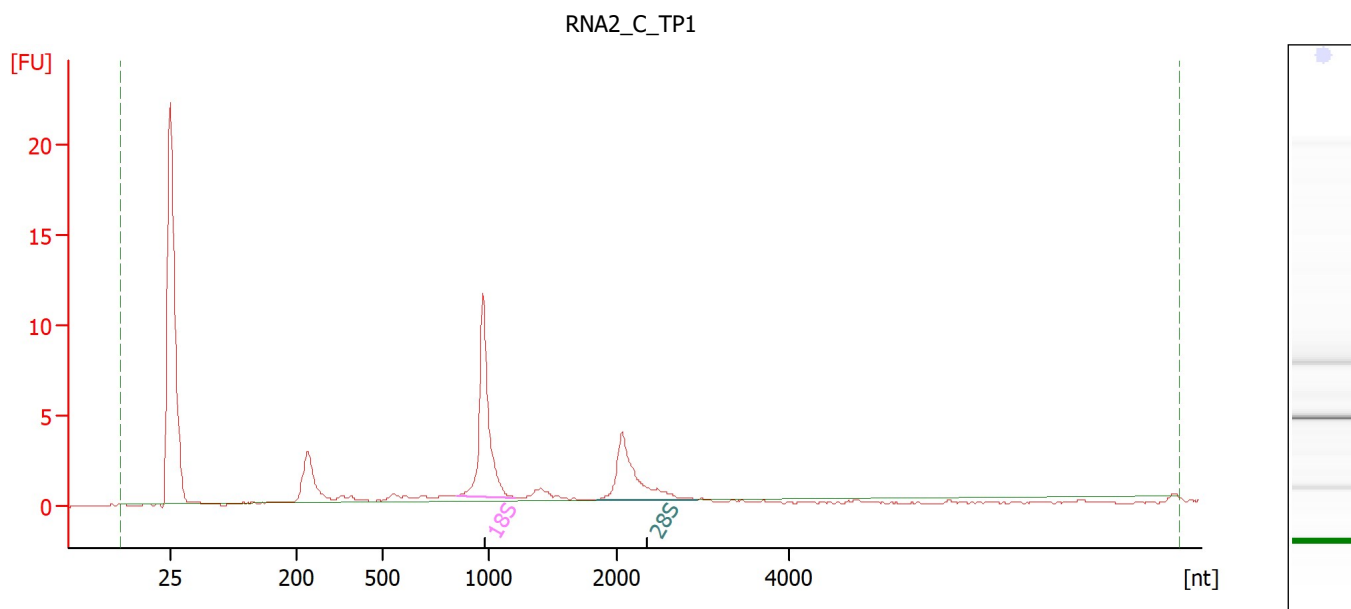
Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : RNA1\_C\_TP10**

RNA Area:	76.6	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	37 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: 2.20

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : RNA2\_C\_TP1**

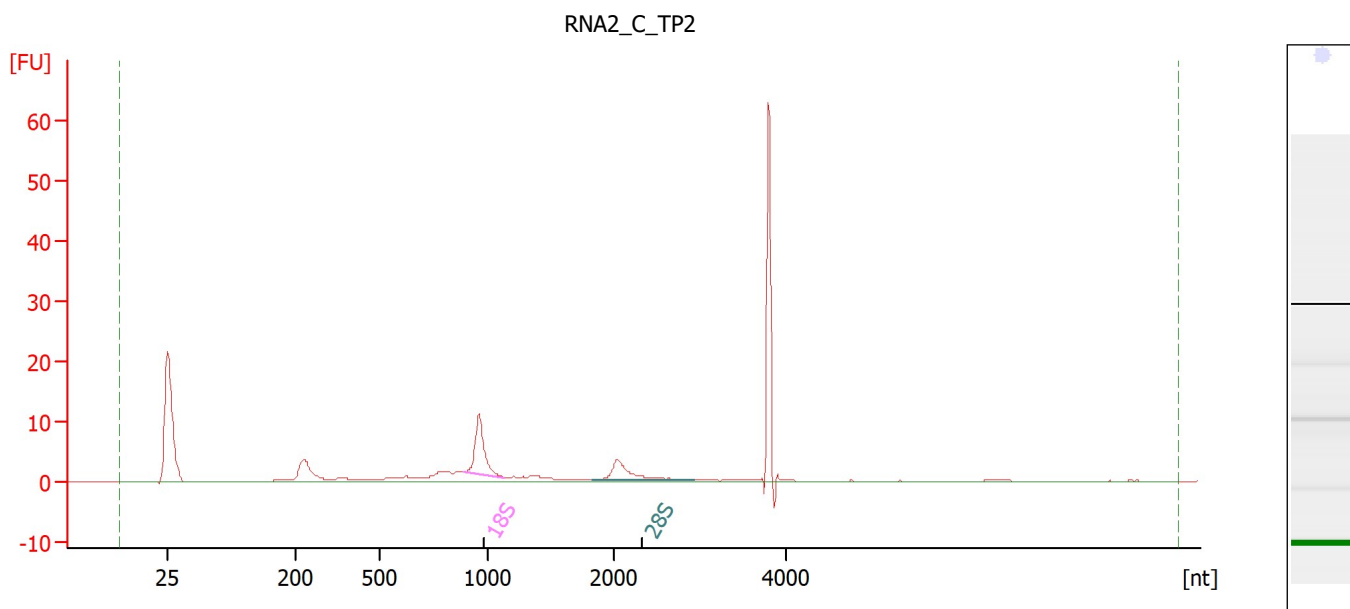
RNA Area:	40.0	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	19 ng/μl		
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 20px; height: 10px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.60

**Fragment table for sample 9 : RNA2\_C\_TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	849	1,201	15.7	39.1
28S	1,848	2,925	8.8	21.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : RNA2\_C\_TP2**

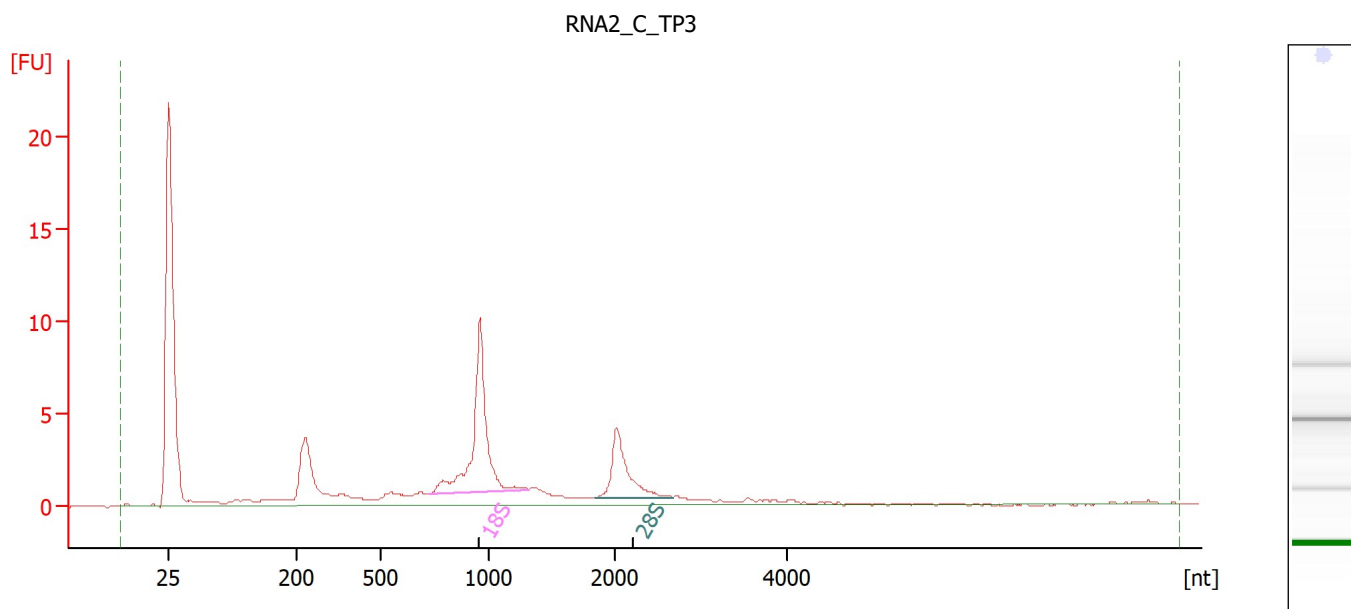
RNA Area: 88.1 RNA Integrity Number (RIN): 7.7 (B.02.10, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 42 ng/μl  
rRNA Ratio [28s / 18s]: 0.6  
Result Flagging Color:   
Result Flagging Label: RIN: 7.70

**Fragment table for sample 10 : RNA2\_C\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	888	1,140	13.2	14.9
28S	1,822	2,939	8.0	9.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : RNA2\_C\_TP3**

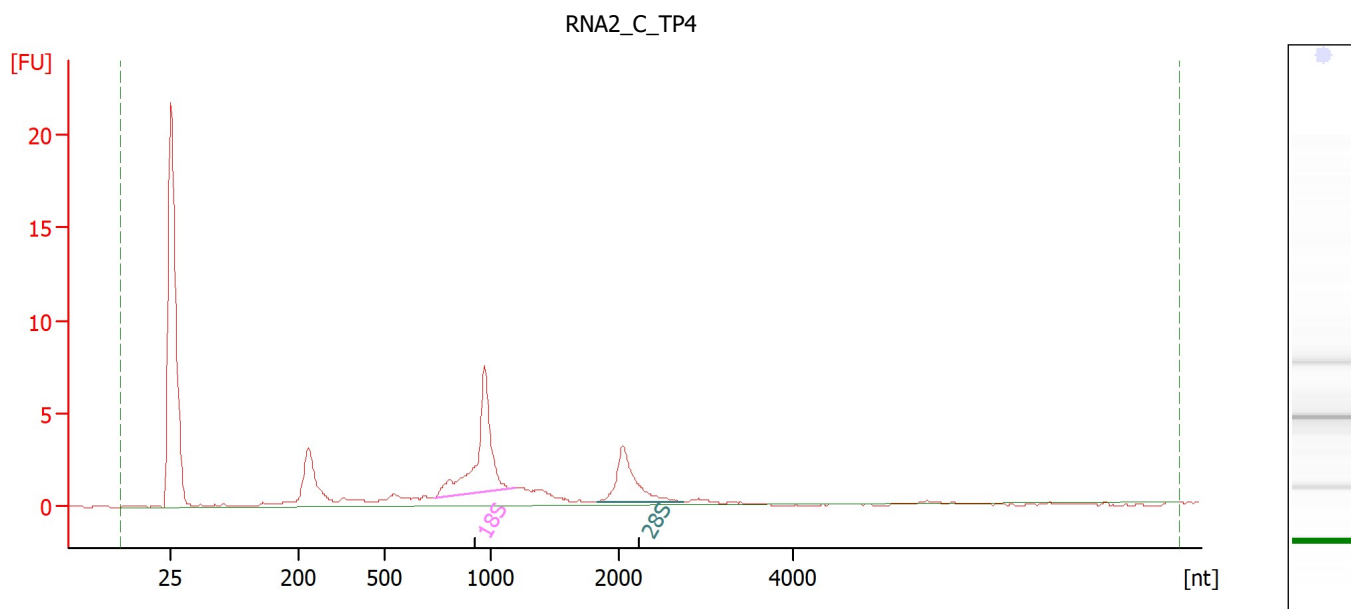
RNA Area: 65.2 RNA Integrity Number (RIN): 8.4 (B.02.10, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 31 ng/μl  
rRNA Ratio [28s / 18s]: 0.4  
Result Flagging Color:   
Result Flagging Label: RIN: 8.40

**Fragment table for sample 11 : RNA2\_C\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	722	1,325	17.6	27.1
28S	1,839	2,680	7.2	11.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : RNA2\_C\_TP4**

RNA Area:	49.8	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	24 ng/μl		
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.60

**Fragment table for sample 12 : RNA2\_C\_TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	737	1,178	14.3	28.7
28S	1,824	2,727	6.7	13.5



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_16-14-00.xad

Created: 10/21/2020 4:13:59 PM  
Modified: 10/21/2020 4:46:22 PM

**Gel Image**