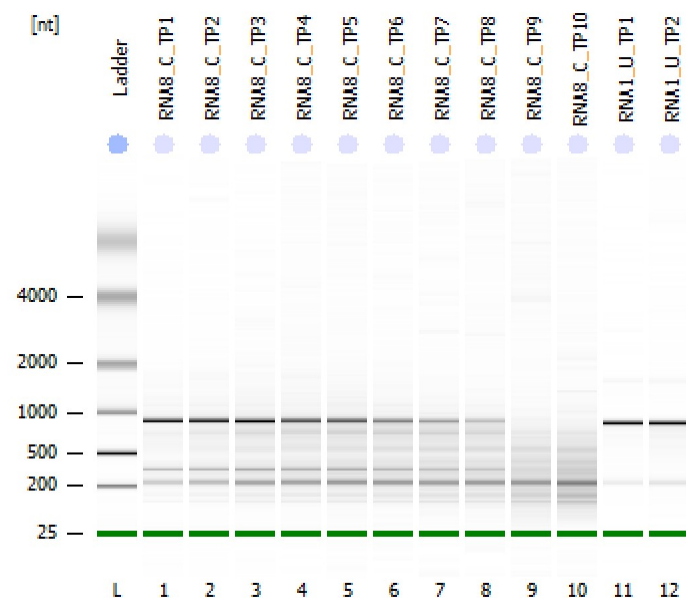


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 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)

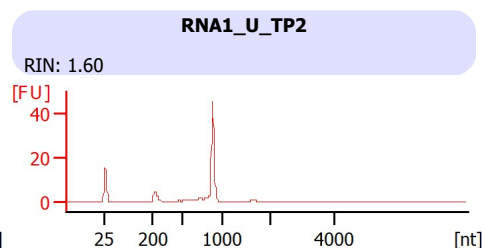
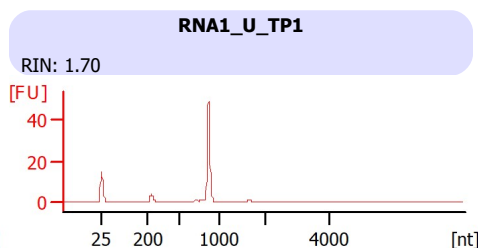
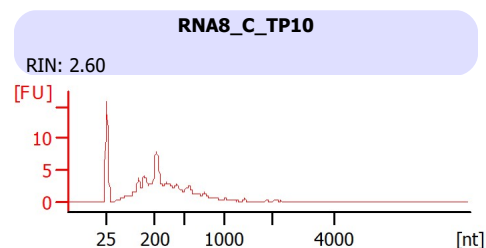
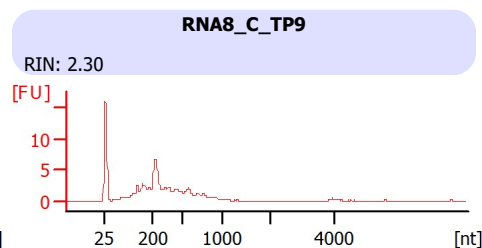
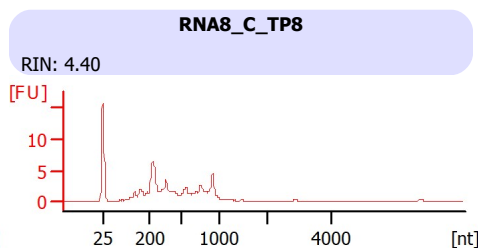
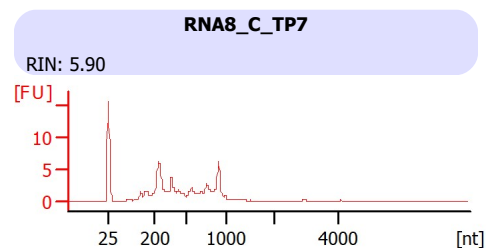
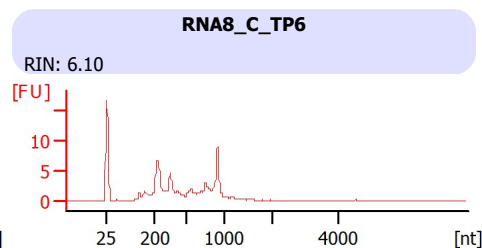
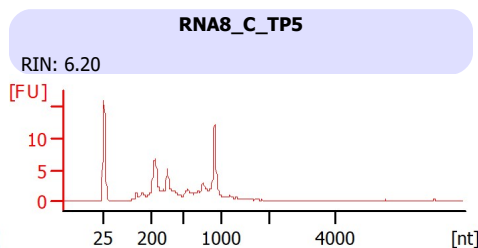
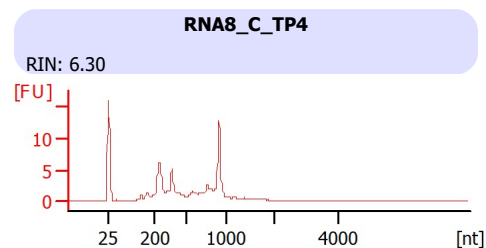
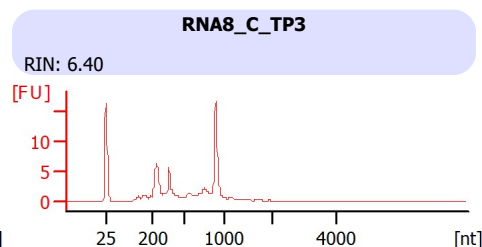
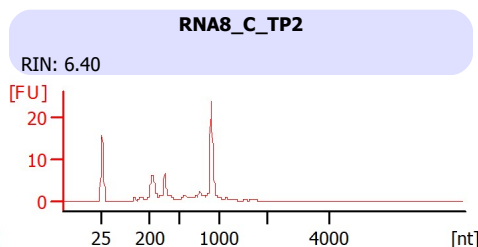
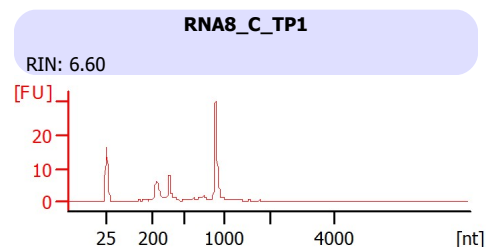
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**Chip Information:**

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\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

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

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA8_C_TP1		✓	RIN: 6.60	
RNA8_C_TP2		✓	RIN: 6.40	
RNA8_C_TP3		✓	RIN: 6.40	
RNA8_C_TP4		✓	RIN: 6.30	
RNA8_C_TP5		✓	RIN: 6.20	
RNA8_C_TP6		✓	RIN: 6.10	
RNA8_C_TP7		✓	RIN: 5.90	
RNA8_C_TP8		✓	RIN: 4.40	
RNA8_C_TP9		✓	RIN: 2.30	
RNA8_C_TP10		✓	RIN: 2.60	
RNA1_U_TP1		✓	RIN: 1.70	
RNA1_U_TP2		✓	RIN: 1.60	
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\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 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

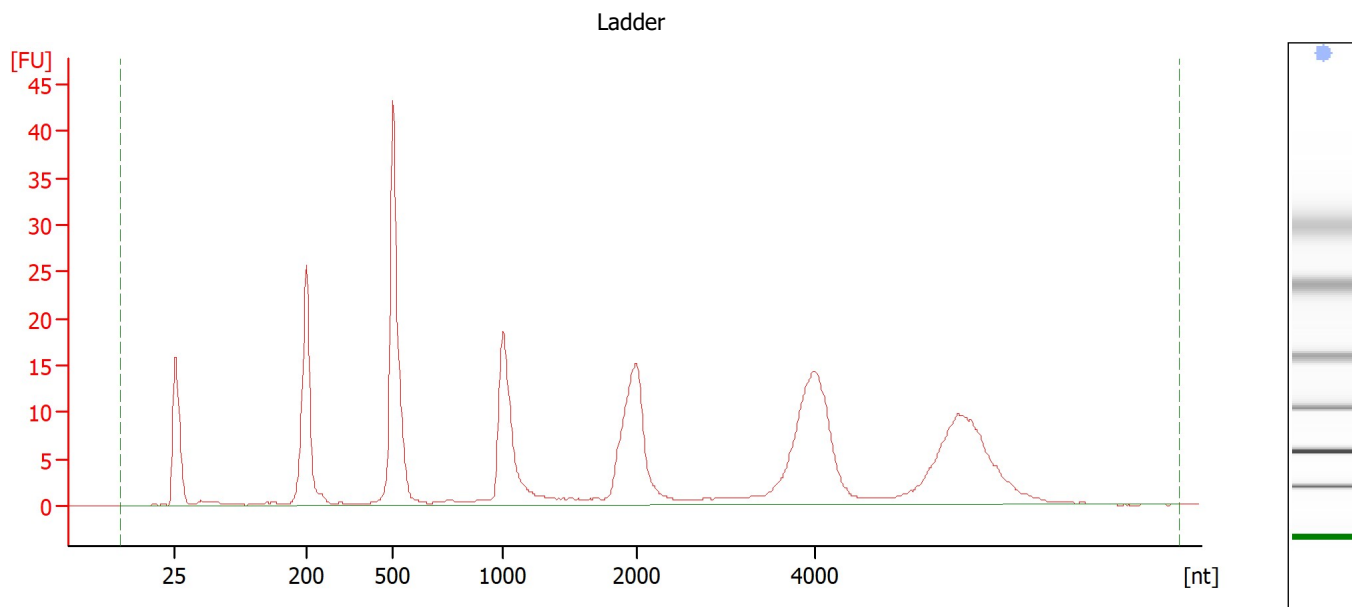
### Ladder

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\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 293.3

Result Flagging Color:



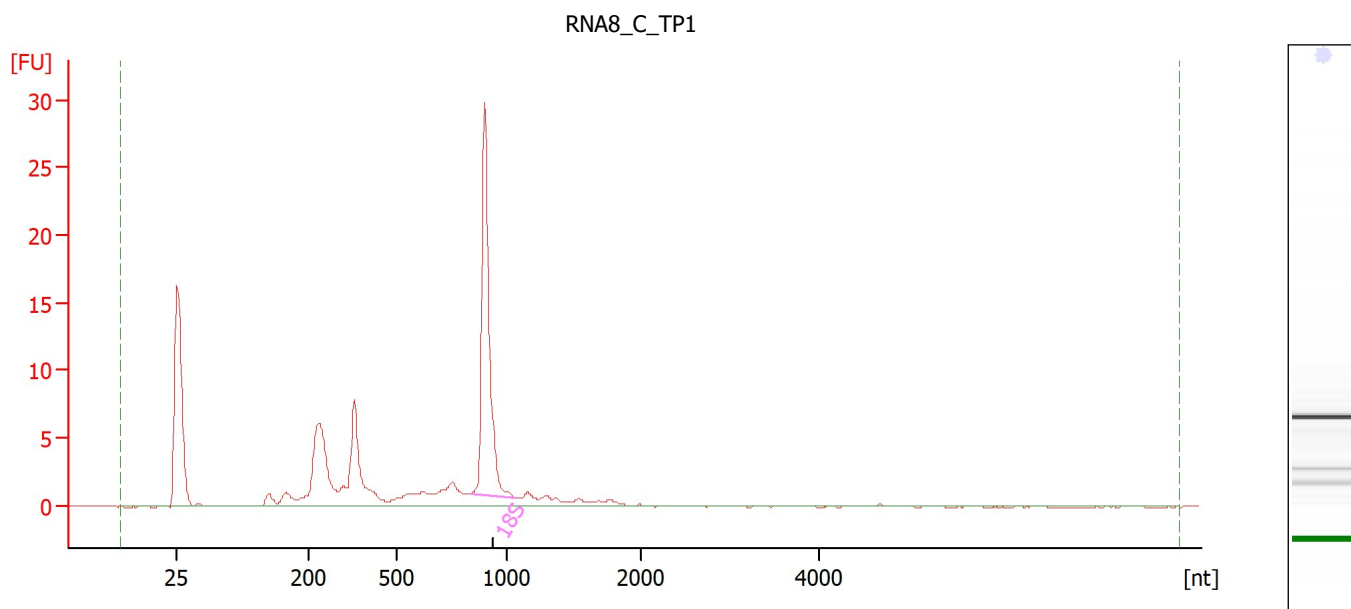
RNA Concentration: 150 ng/μl

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\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 1 : RNA8\_C\_TP1**

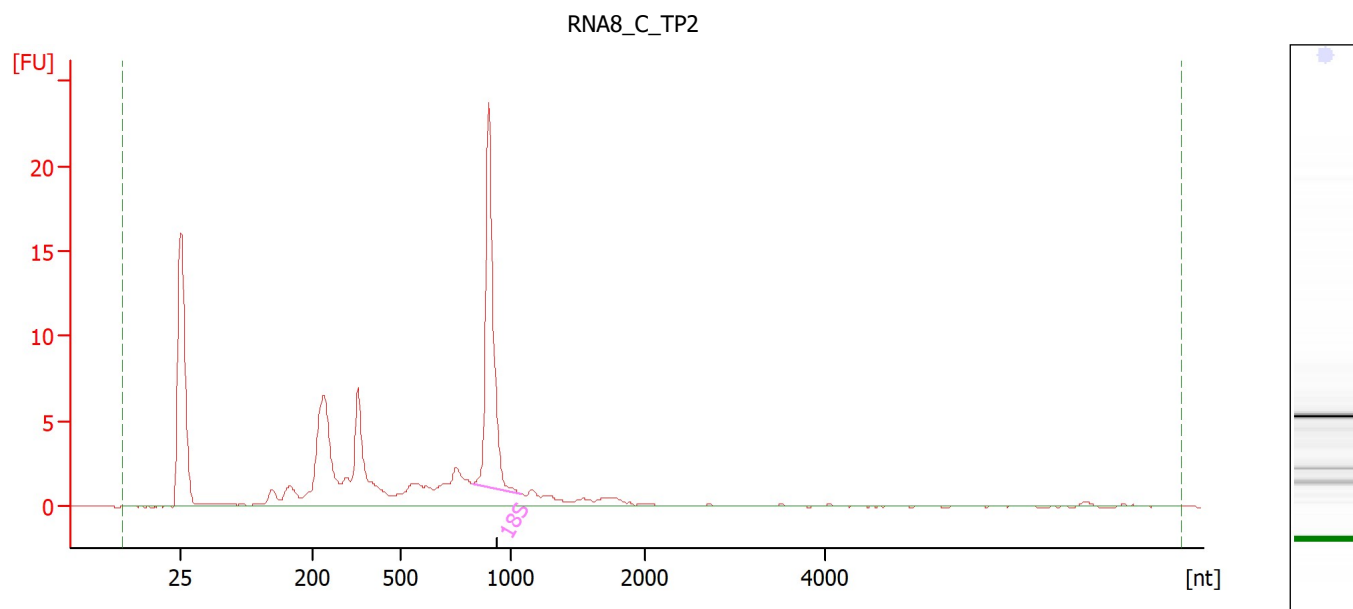
RNA Area:	94.6	RNA Integrity Number (RIN):	6.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	48 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.60

**Fragment table for sample 1 : RNA8\_C\_TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	833	1,061	32.9	34.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : RNA8\_C\_TP2**

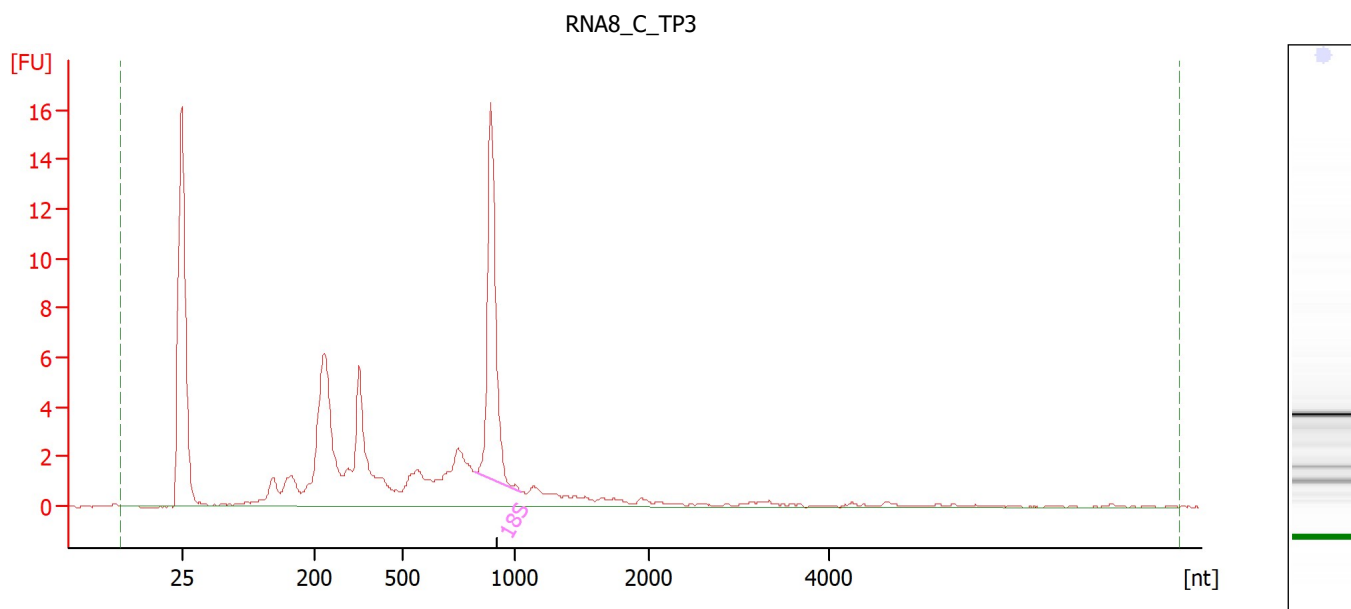
RNA Area:	92.2	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	47 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.40

**Fragment table for sample 2 : RNA8\_C\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	830	1,071	25.9	28.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : RNA8\_C\_TP3**

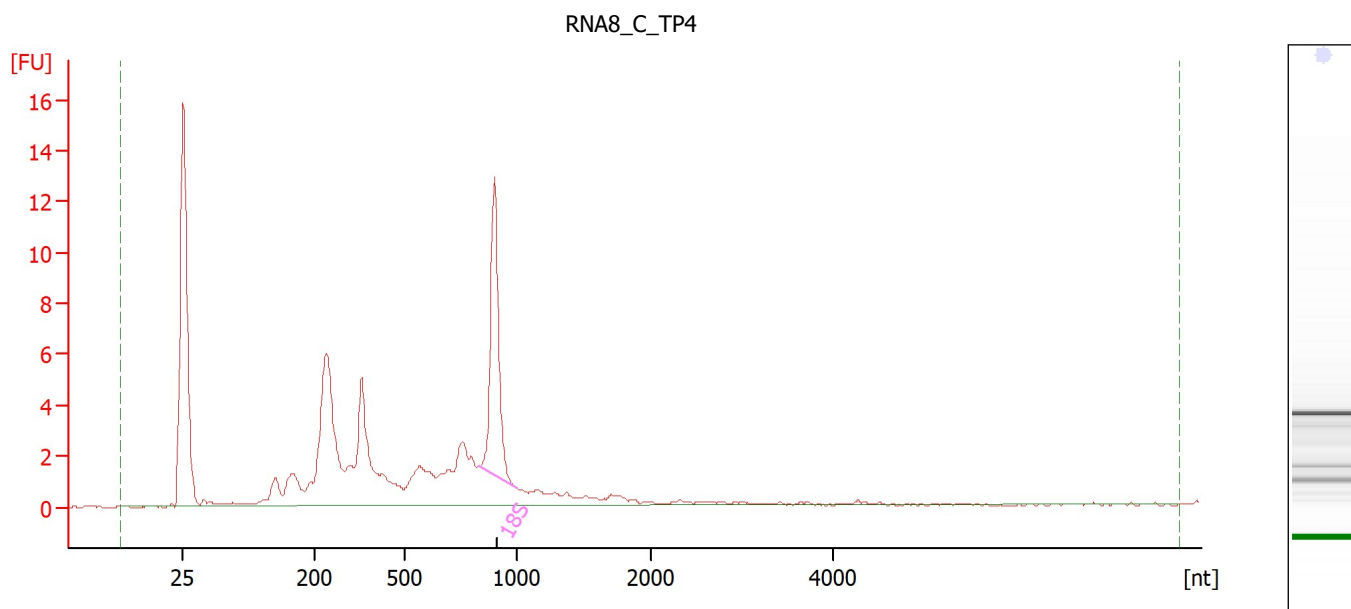
RNA Area:	86.5	RNA Integrity Number (RIN):	6.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	44 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.40

**Fragment table for sample 3 : RNA8\_C\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	821	1,054	17.4	20.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : RNA8\_C\_TP4**

RNA Area:	78.0	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	40 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: 6.30

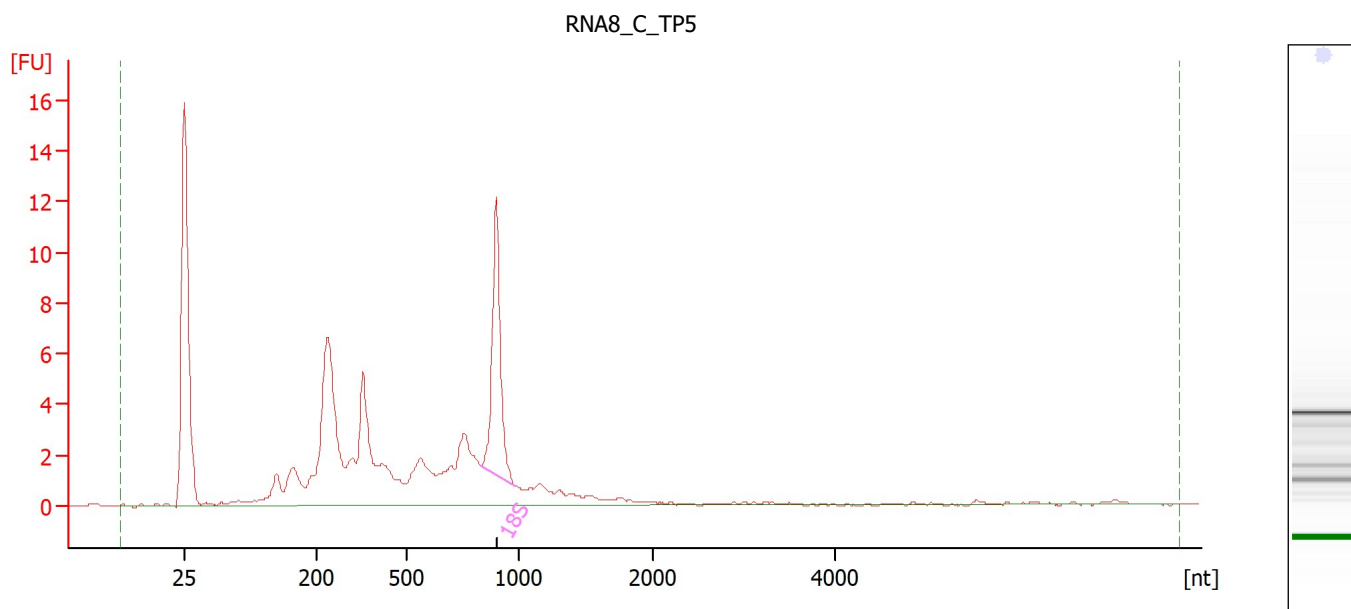
**Fragment table for sample 4 : RNA8\_C\_TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	828	1,001	13.4	17.1



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : RNA8\_C\_TP5**

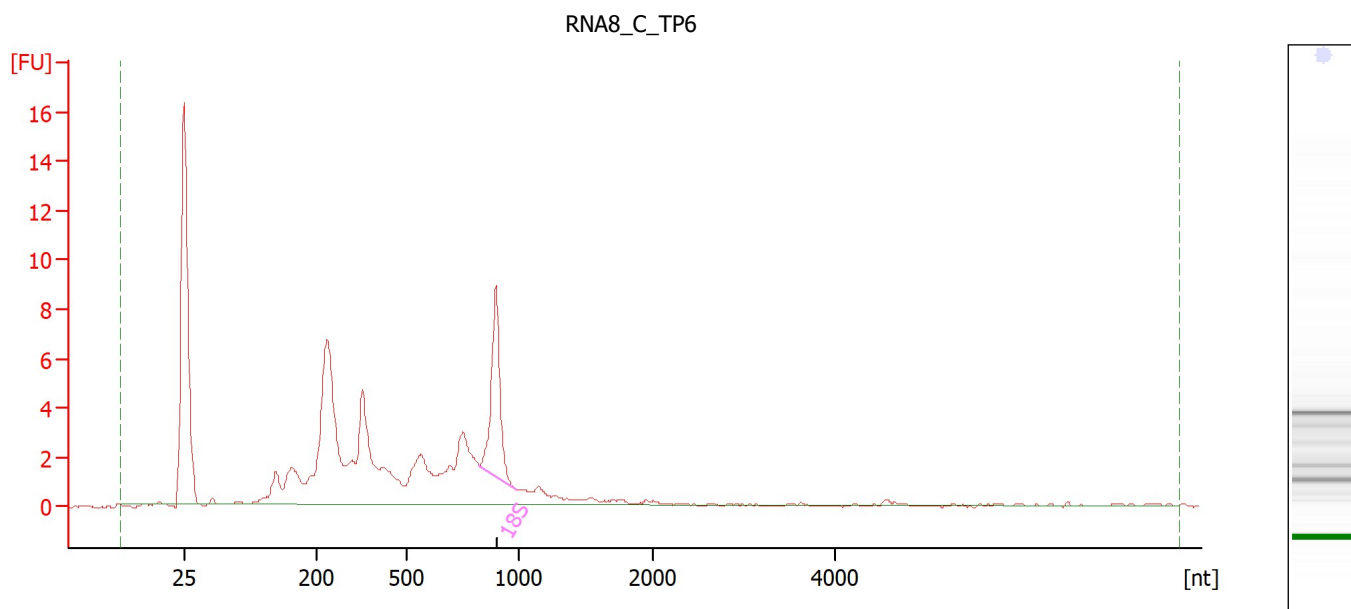
RNA Area:	88.6	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	45 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.20

**Fragment table for sample 5 : RNA8\_C\_TP5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	835	987	12.8	14.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : RNA8\_C\_TP6**

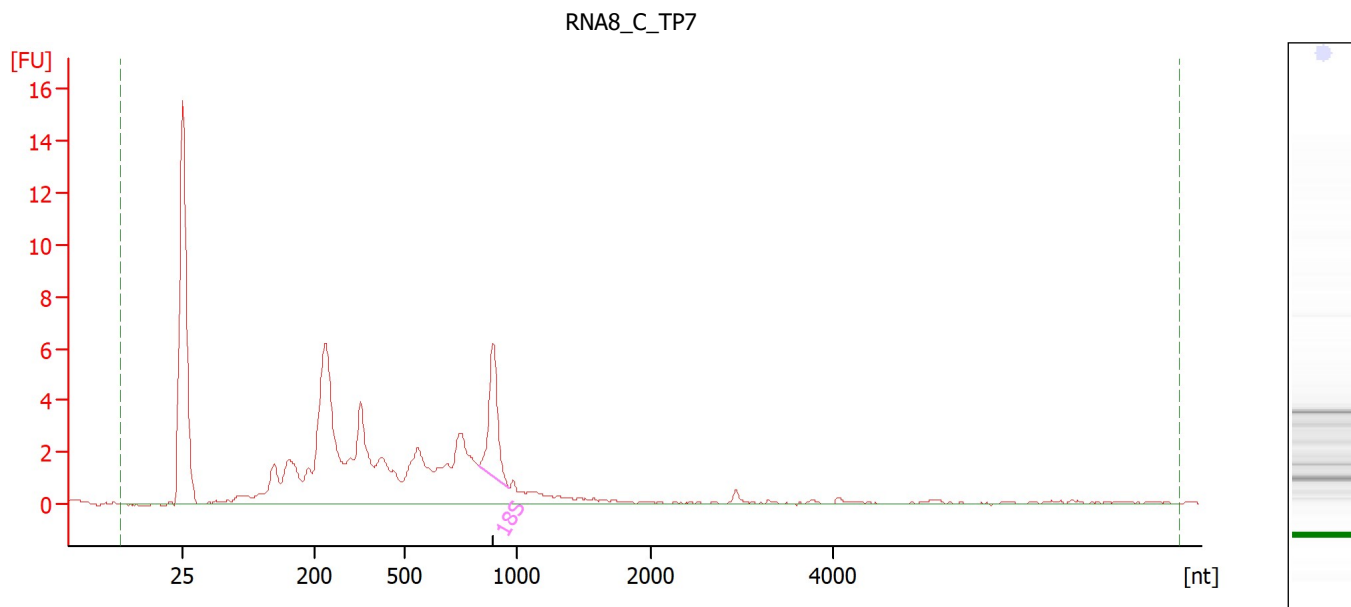
RNA Area:	79.8	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	41 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

**Fragment table for sample 6 : RNA8\_C\_TP6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	825	992	9.6	12.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : RNA8\_C\_TP7**

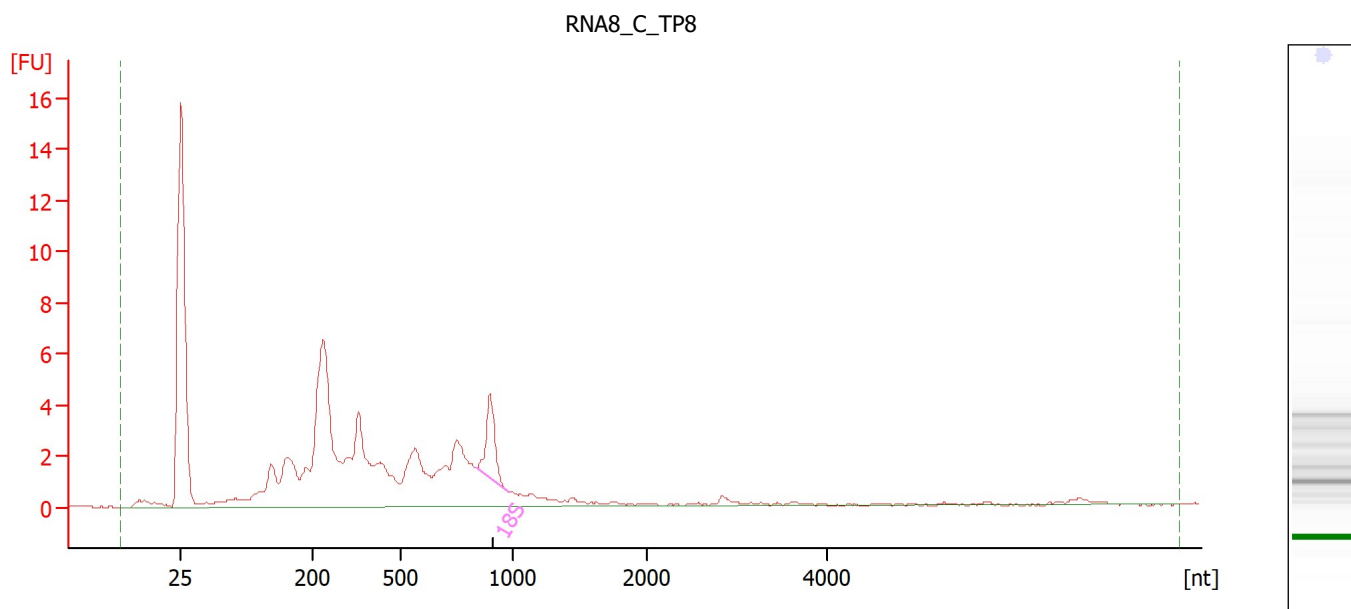
RNA Area:	78.0	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	40 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

**Fragment table for sample 7 : RNA8\_C\_TP7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	833	967	6.3	8.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : RNA8\_C\_TP8**

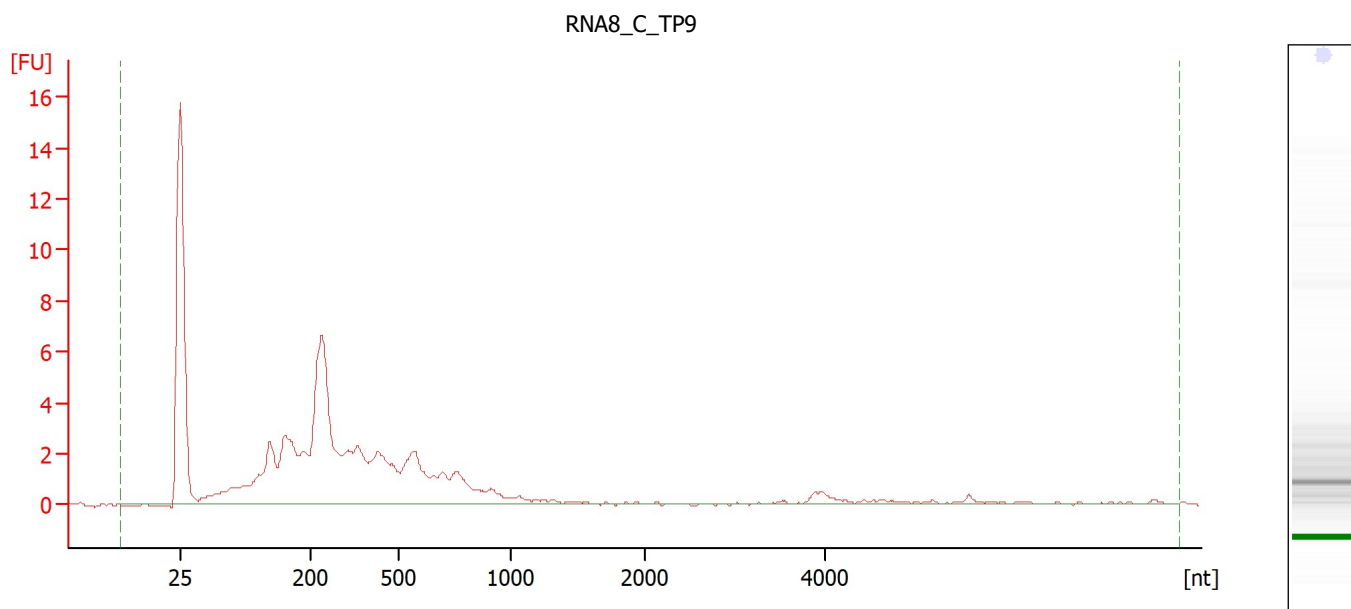
RNA Area:	80.7	RNA Integrity Number (RIN):	4.4 (B.02.10)
RNA Concentration:	41 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.40

**Fragment table for sample 8 : RNA8\_C\_TP8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	839	983	4.1	5.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

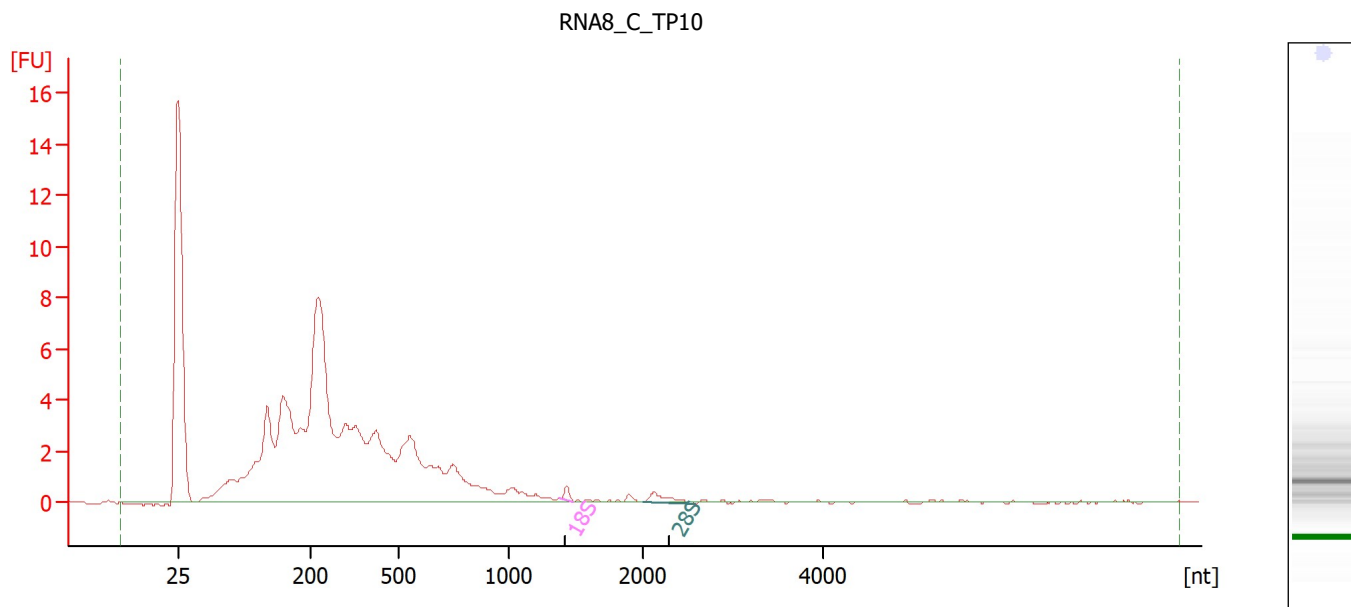
Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : RNA8\_C\_TP9**

RNA Area:	79.6	RNA Integrity Number (RIN):	2.3 (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: 2.30

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : RNA8\_C\_TP10**

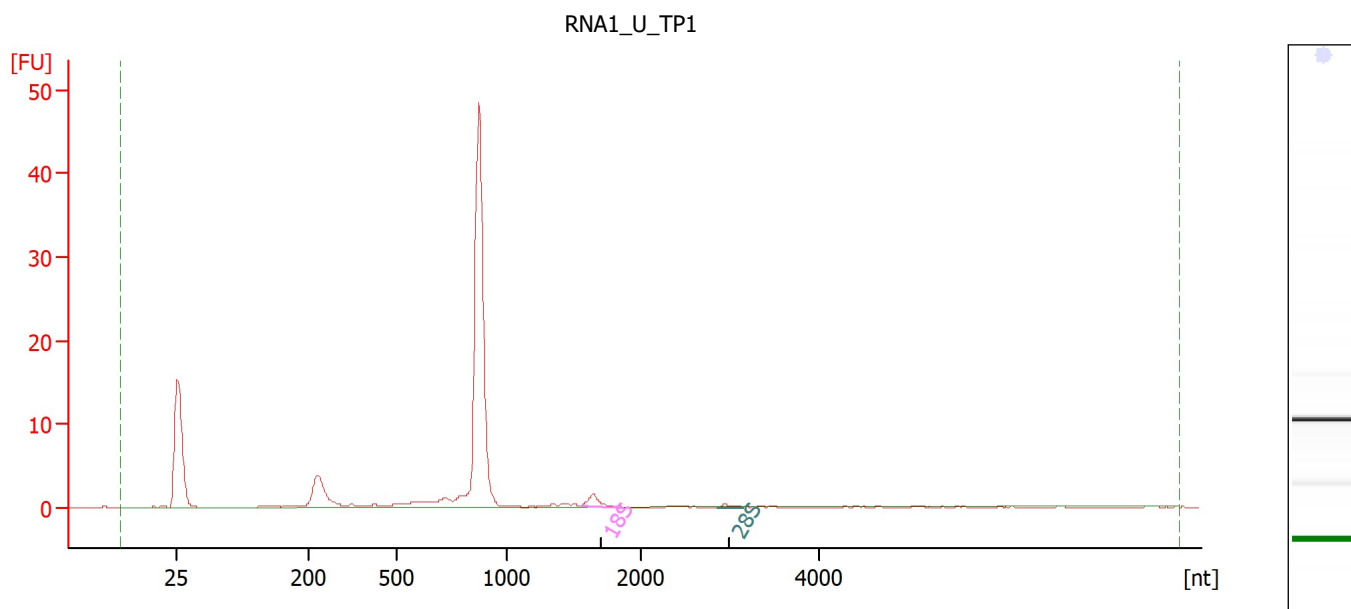
RNA Area:	99.8	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	51 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 2.60

**Fragment table for sample 10 : RNA8\_C\_TP10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,375	1,479	0.4	0.4
28S	2,000	2,595	0.9	0.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : RNA1 U TP1**

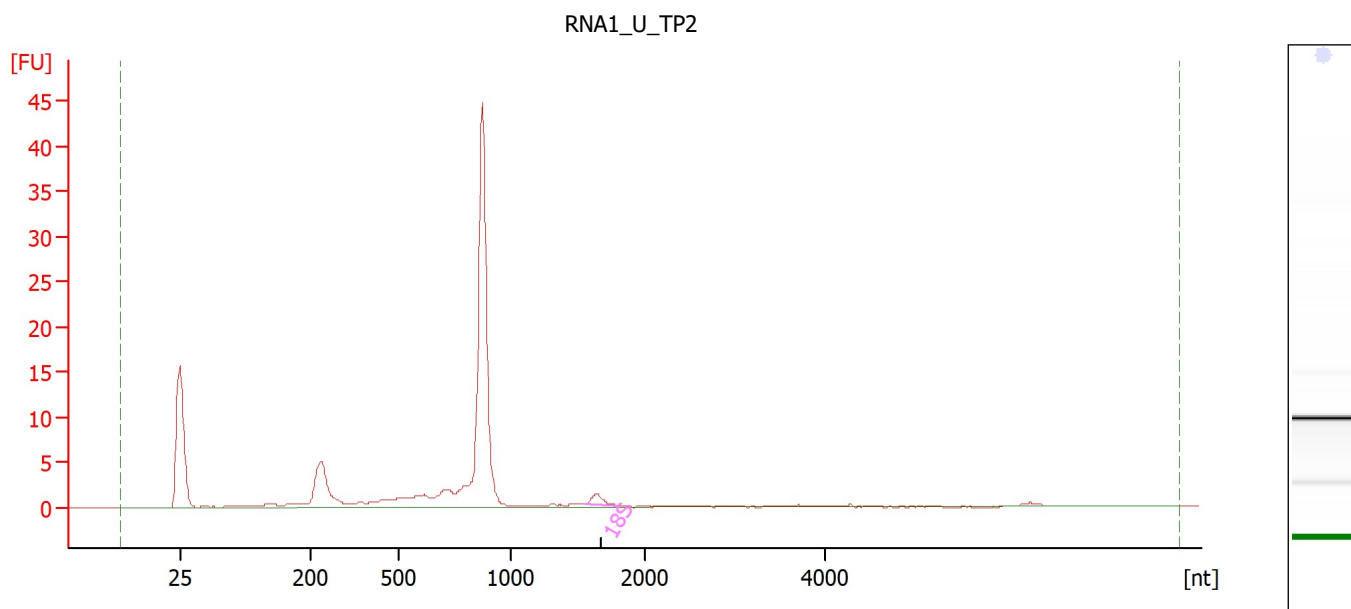
RNA Area: 85.6 RNA Integrity Number (RIN): 1.7 (B.02.10, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 44 ng/μl  
rRNA Ratio [28S / 18S]: 0.2  
Result Flagging Color:   
Result Flagging Label: RIN: 1.70

**Fragment table for sample 11 : RNA1 U TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	1,871	2.1	2.4
28S	2,858	3,145	0.3	0.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : RNA1 U TP2**

RNA Area:	103.4	RNA Integrity Number (RIN):	1.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	53 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.60

**Fragment table for sample 12 : RNA1 U TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,553	1,808	1.9	1.8



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano\_2020-10-21\_17-06-53.xad

Created: 10/21/2020 5:06:52 PM  
Modified: 10/21/2020 5:44:16 PM

**Gel Image**