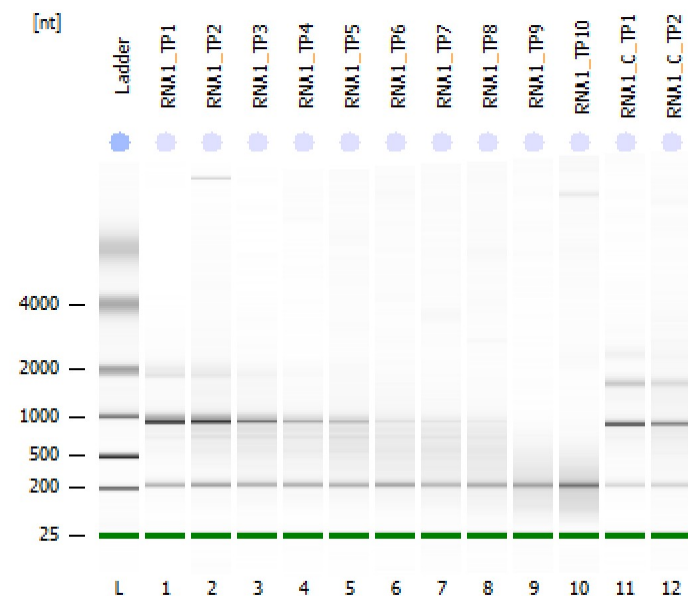


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901302
Serial#: DE72901302

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)

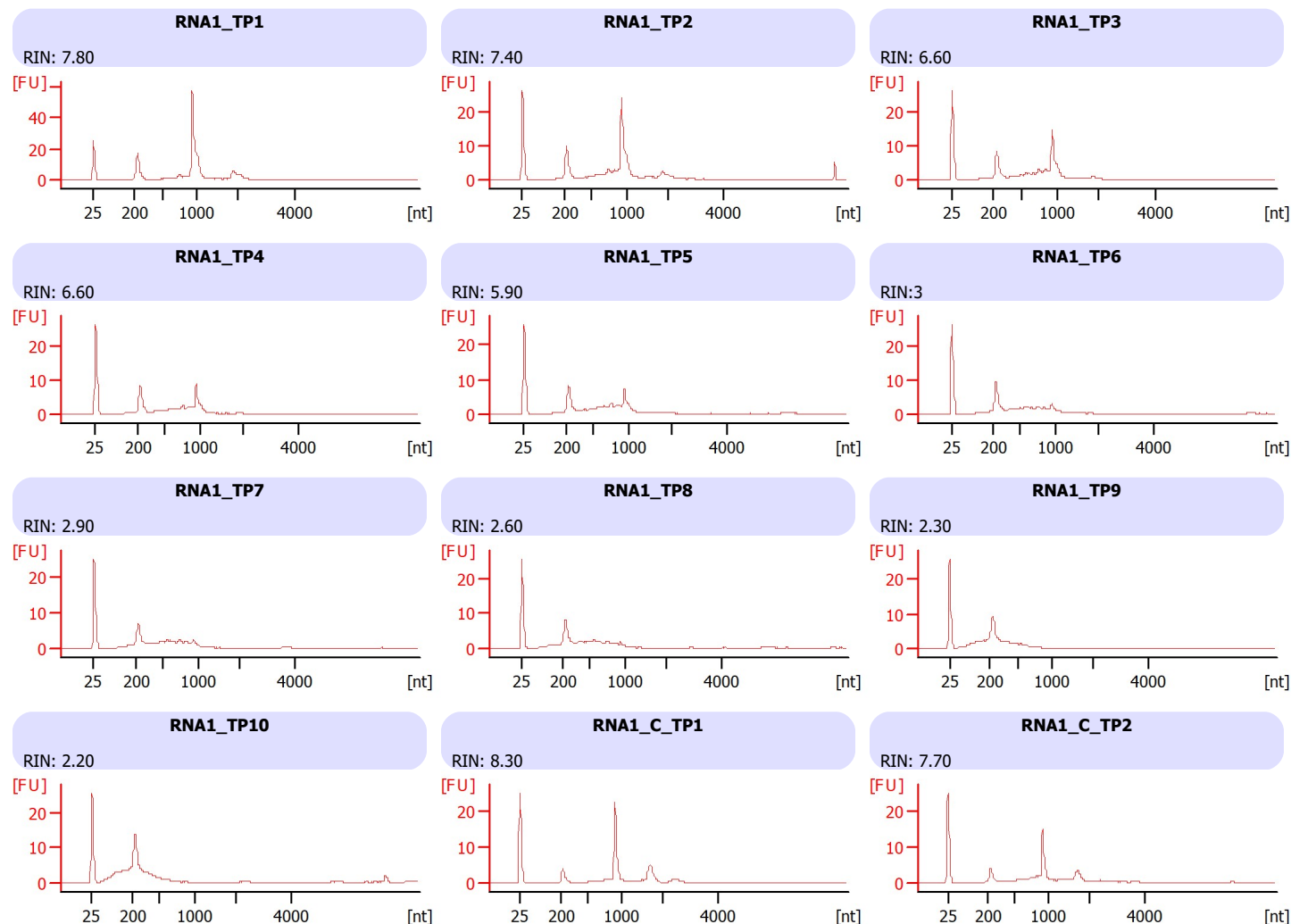
© Copyright 2003 - 2009 Agilent Technologies, Inc.

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_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA1_TP1		✓	RIN: 7.80	
RNA1_TP2		✓	RIN: 7.40	
RNA1_TP3		✓	RIN: 6.60	
RNA1_TP4		✓	RIN: 6.60	
RNA1_TP5		✓	RIN: 5.90	
RNA1_TP6		✓	RIN: 3	
RNA1_TP7		✓	RIN: 2.90	
RNA1_TP8		✓	RIN: 2.60	
RNA1_TP9		✓	RIN: 2.30	
RNA1_TP10		✓	RIN: 2.20	
RNA1_C_TP1		✓	RIN: 8.30	
RNA1_C_TP2		✓	RIN: 7.70	
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_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 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/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

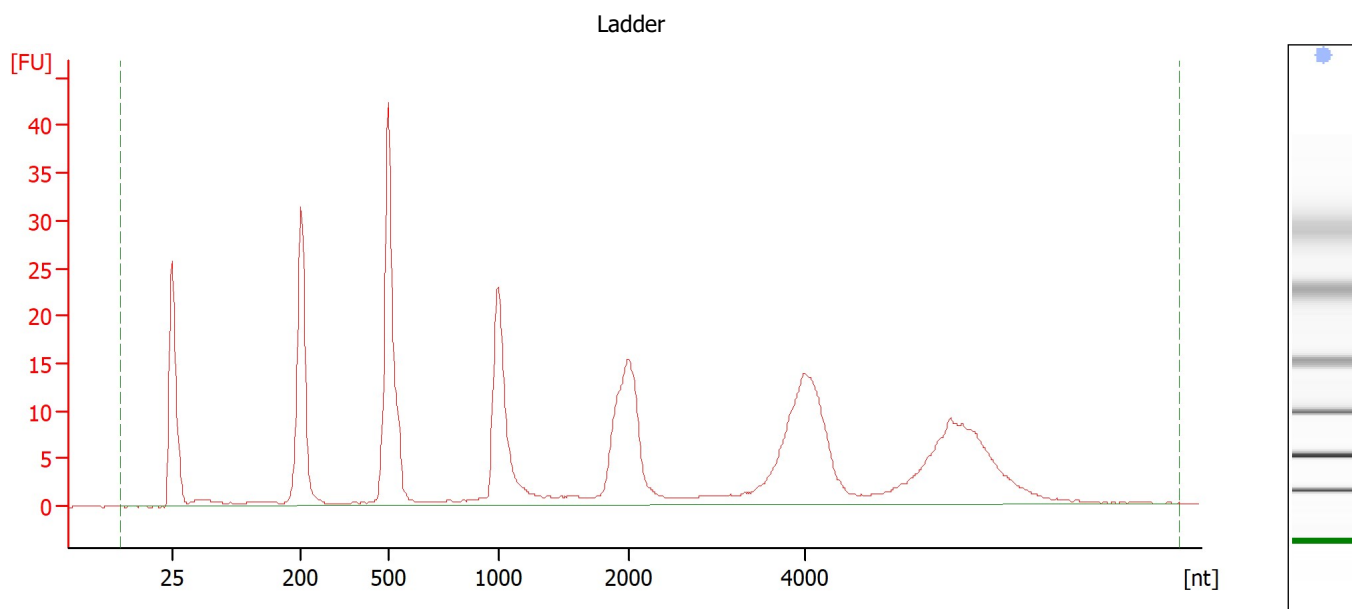
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 342.7

Result Flagging Color:



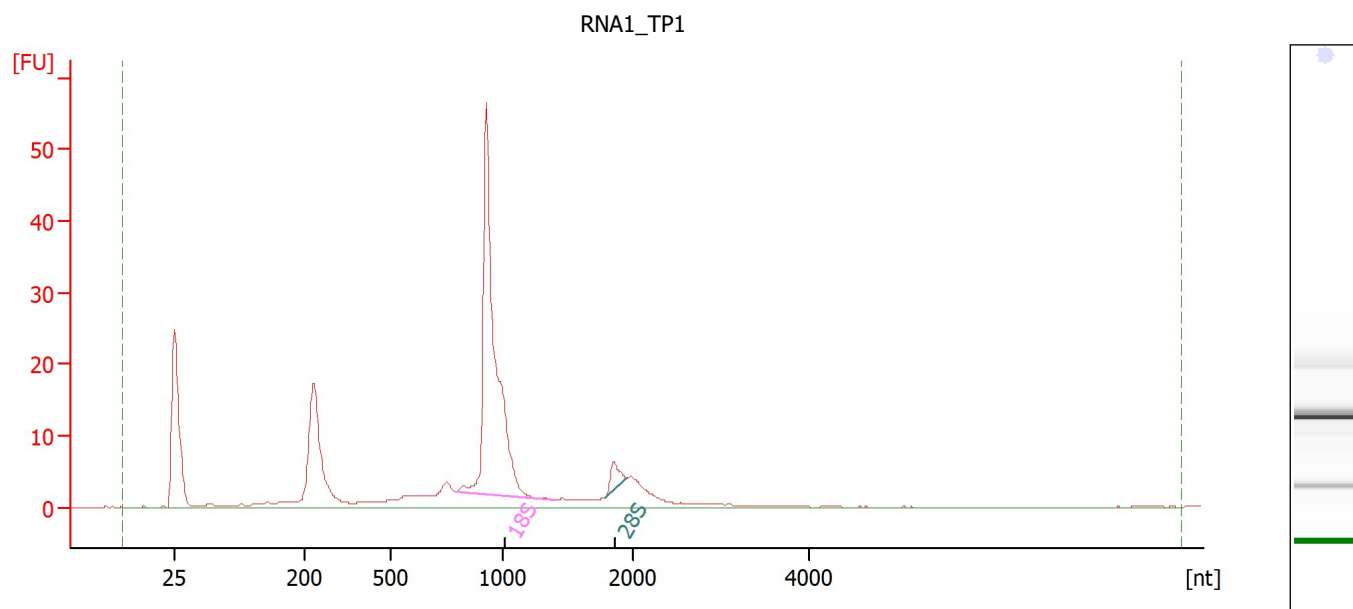
RNA Concentration: 150 ng/μl

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_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA1_TP1**

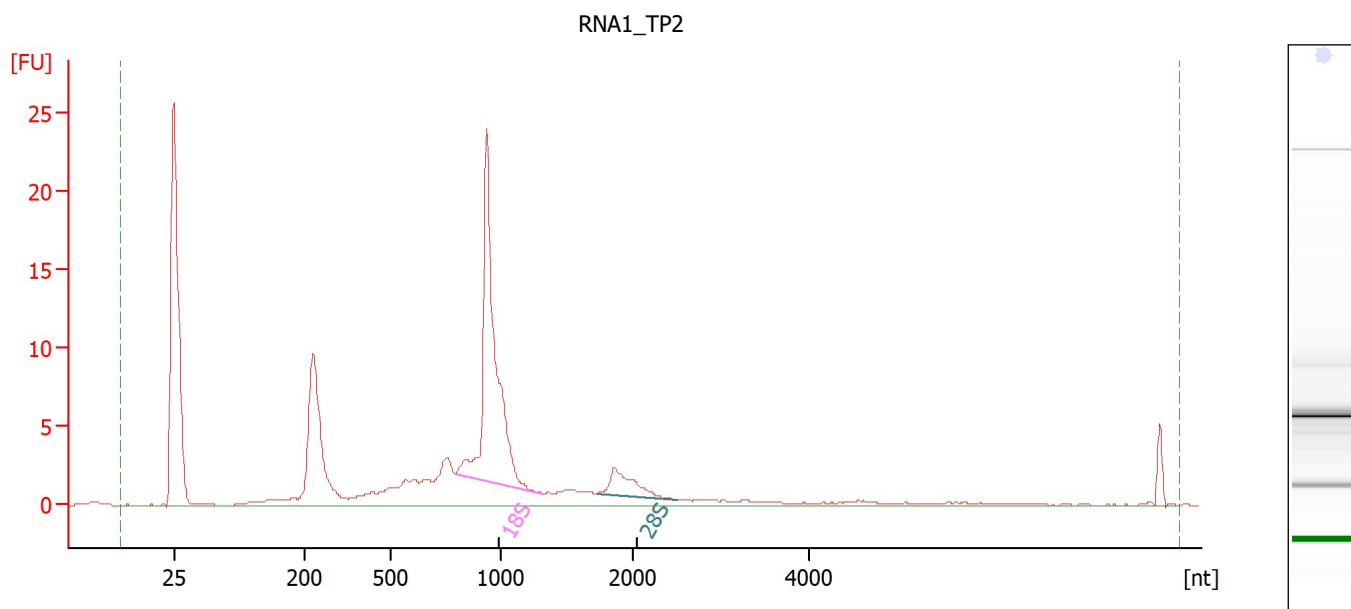
RNA Area:	216.9	RNA Integrity Number (RIN):	7.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	95 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.80

Fragment table for sample 1 : RNA1_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	793	1,411	94.7	43.7
28S	1,787	1,959	4.4	2.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA1_TP2**

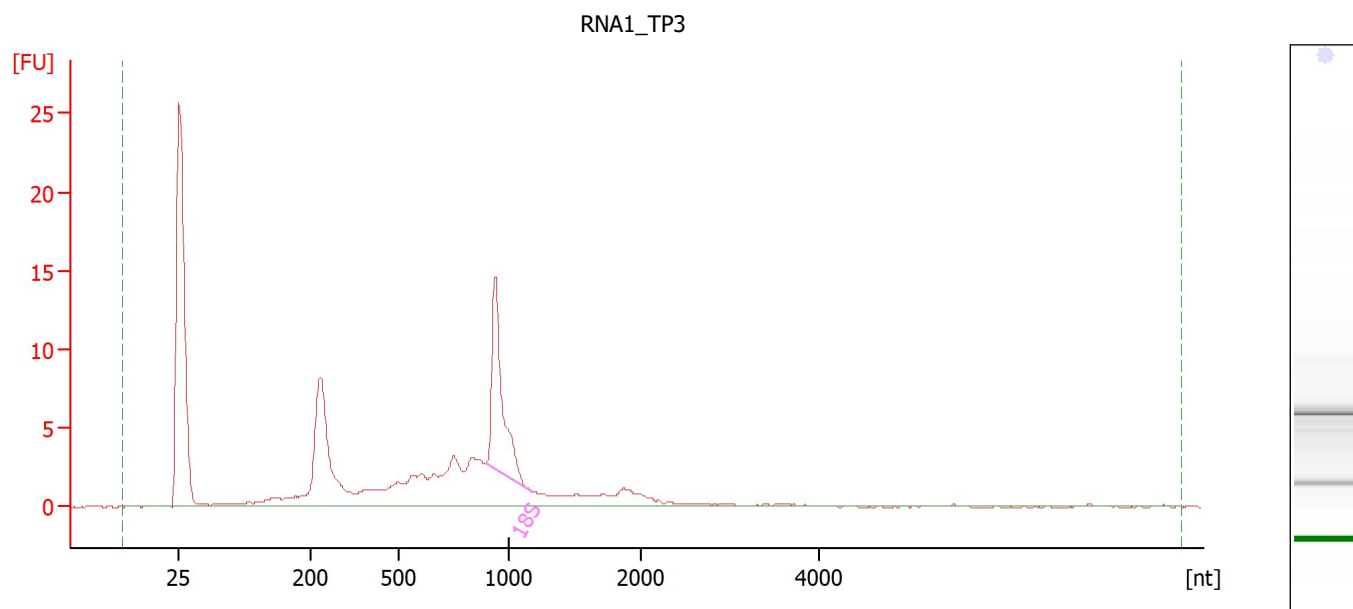
RNA Area:	126.0	RNA Integrity Number (RIN):	7.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	55 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.40

Fragment table for sample 2 : RNA1_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	790	1,306	39.6	31.4
28S	1,731	2,495	5.0	4.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA1_TP3**

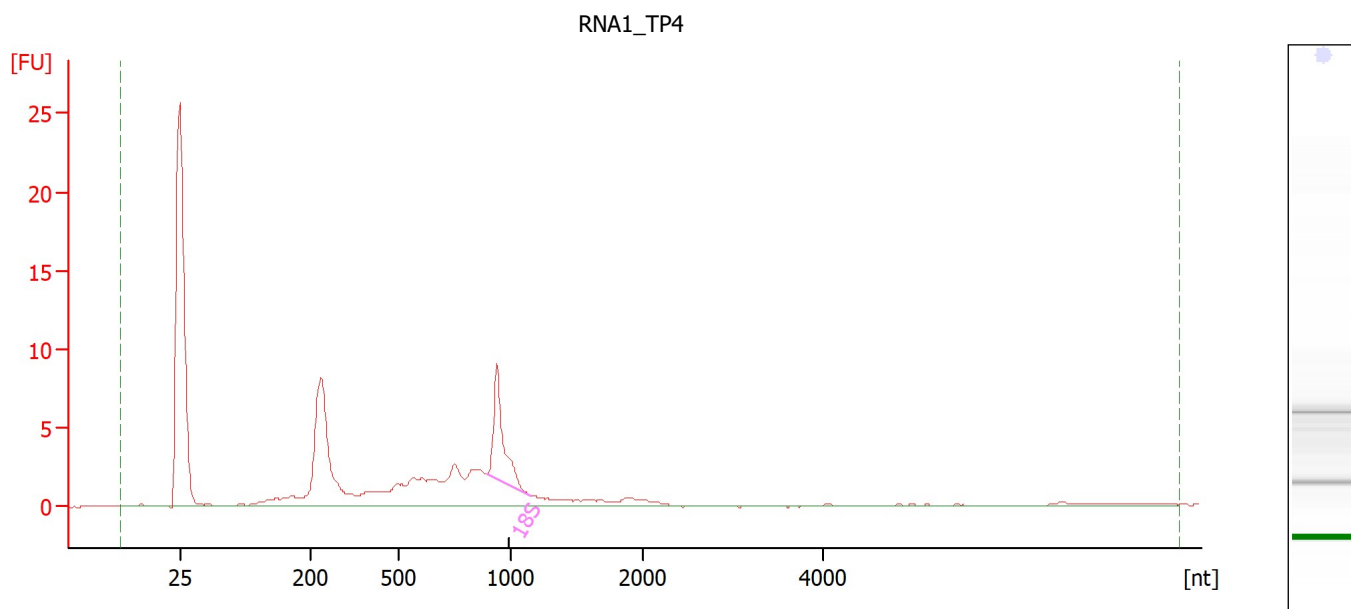
RNA Area:	106.1	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	46 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.60

Fragment table for sample 3 : RNA1_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	896	1,174	18.0	16.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA1_TP4**

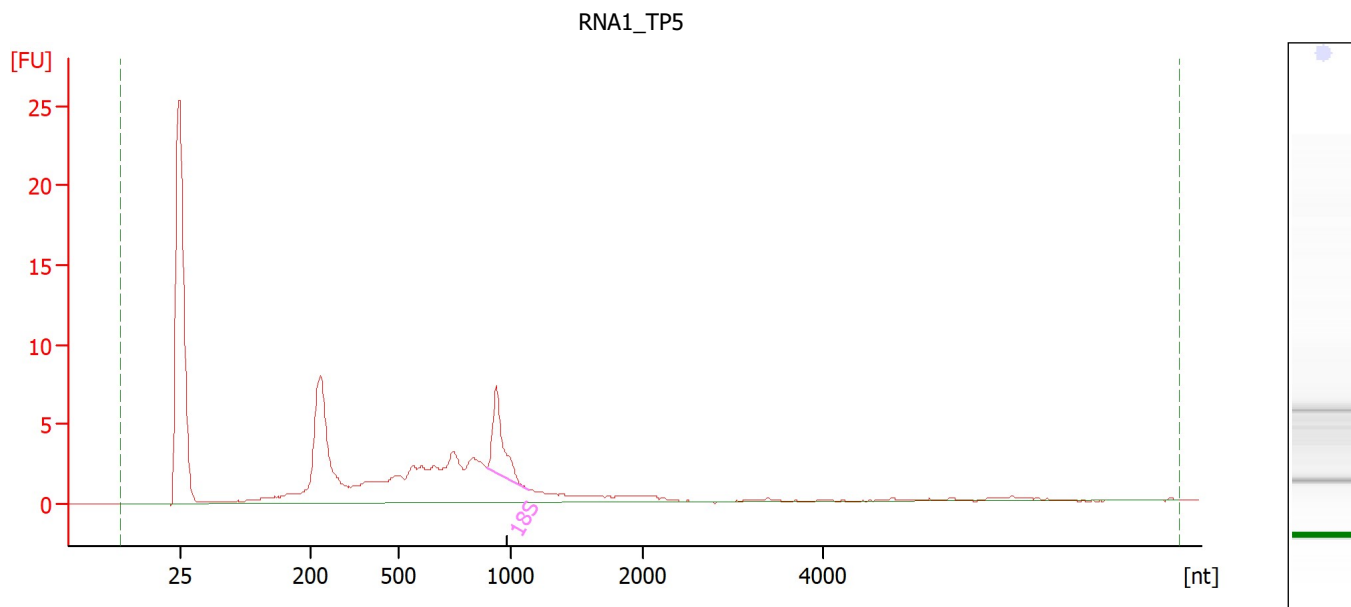
RNA Area:	77.0	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	34 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.60

Fragment table for sample 4 : RNA1_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	1,146	10.2	13.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA1_TP5**

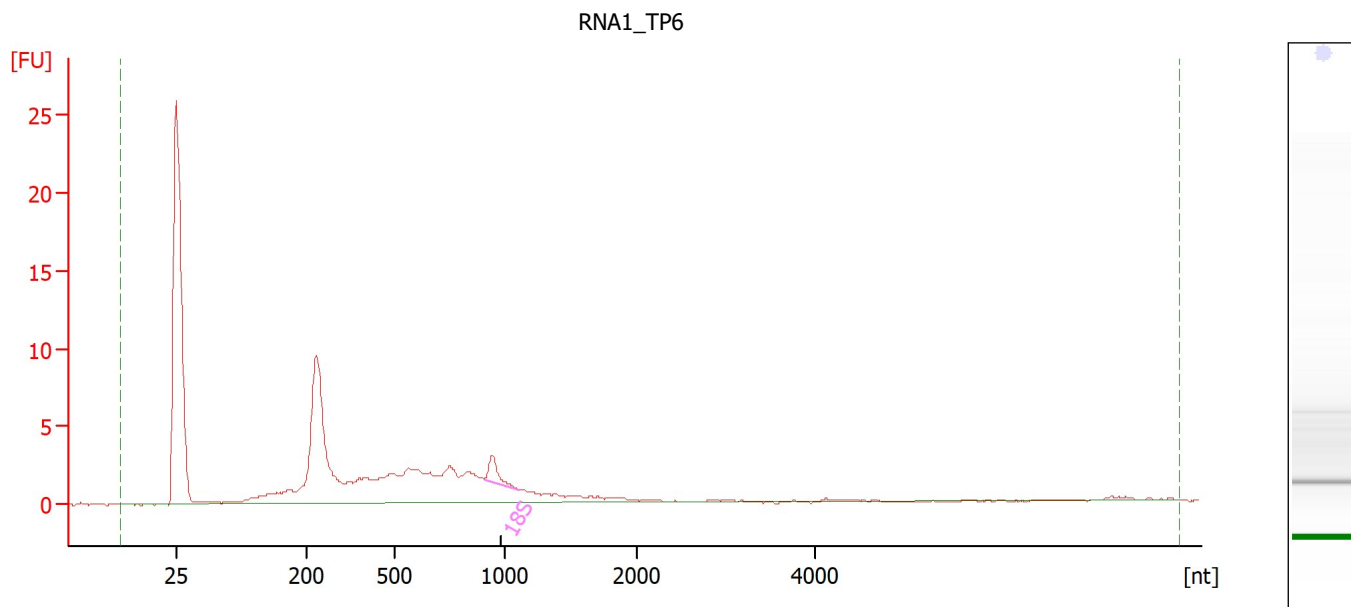
RNA Area:	85.9	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	38 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

Fragment table for sample 5 : RNA1_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	890	1,130	8.0	9.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA1_TP6**

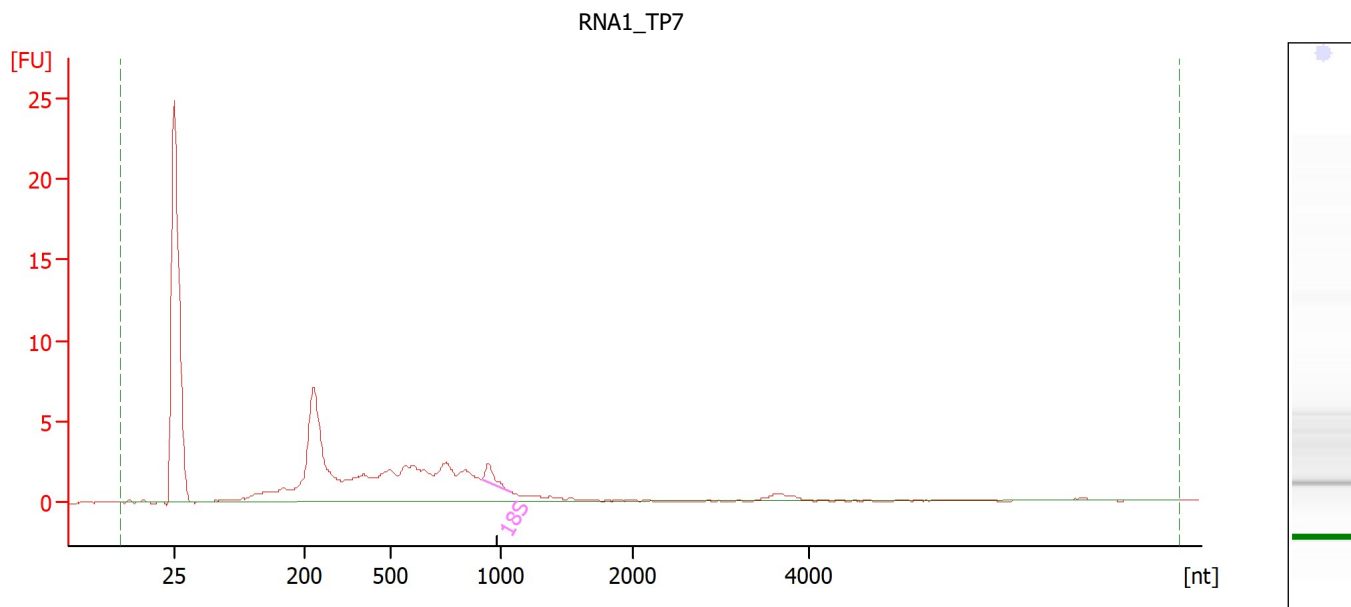
RNA Area:	83.4	RNA Integrity Number (RIN):	3 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

Fragment table for sample 6 : RNA1_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	904	1,099	2.0	2.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA1_TP7**

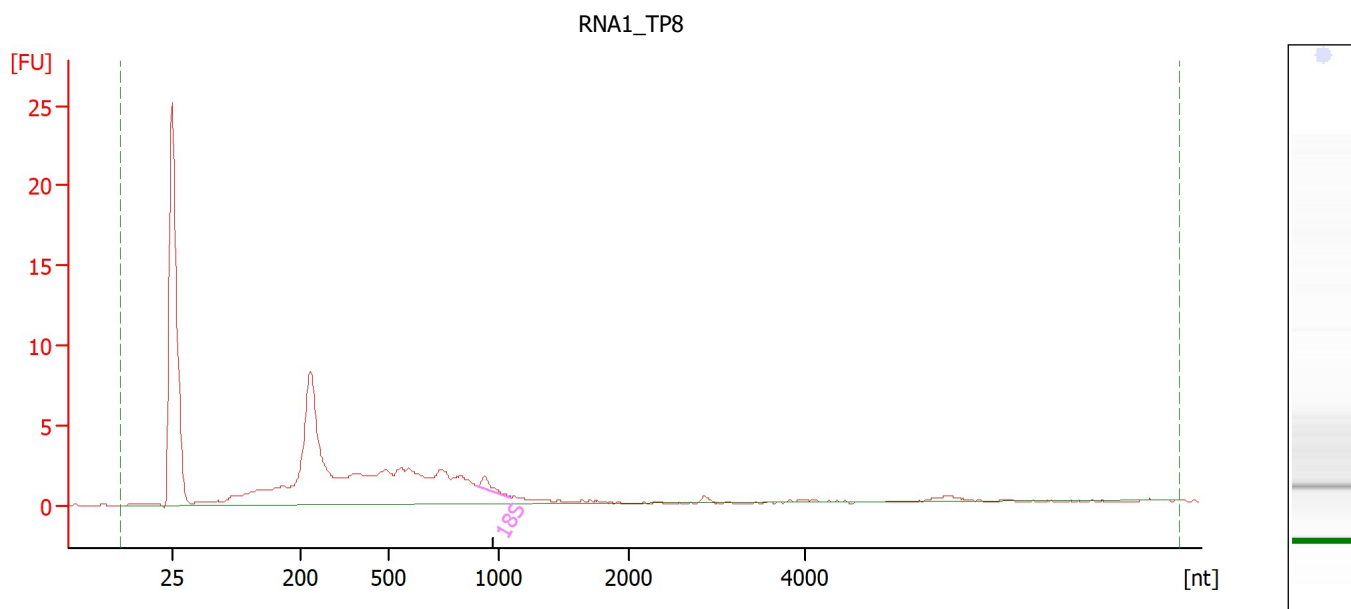
RNA Area:	71.8	RNA Integrity Number (RIN):	2.9 (B.02.10)
RNA Concentration:	31 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

Fragment table for sample 7 : RNA1_TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	911	1,070	1.5	2.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA1_TP8**

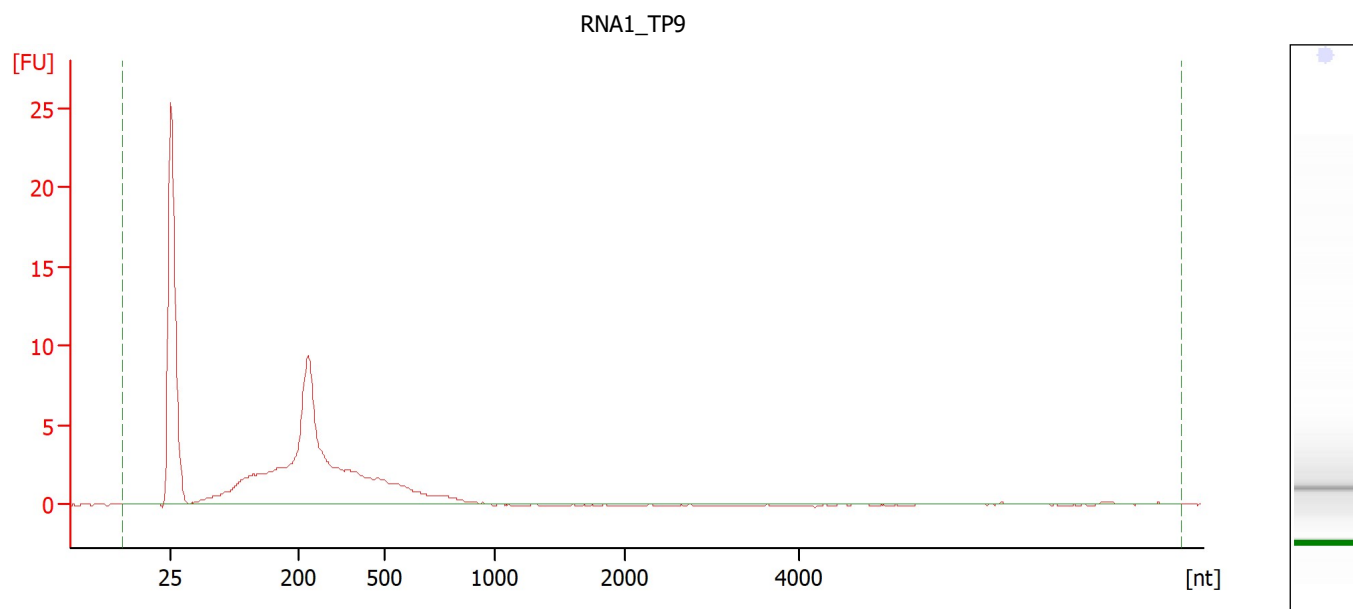
RNA Area:	83.0	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 8 : RNA1_TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	902	1,098	1.0	1.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

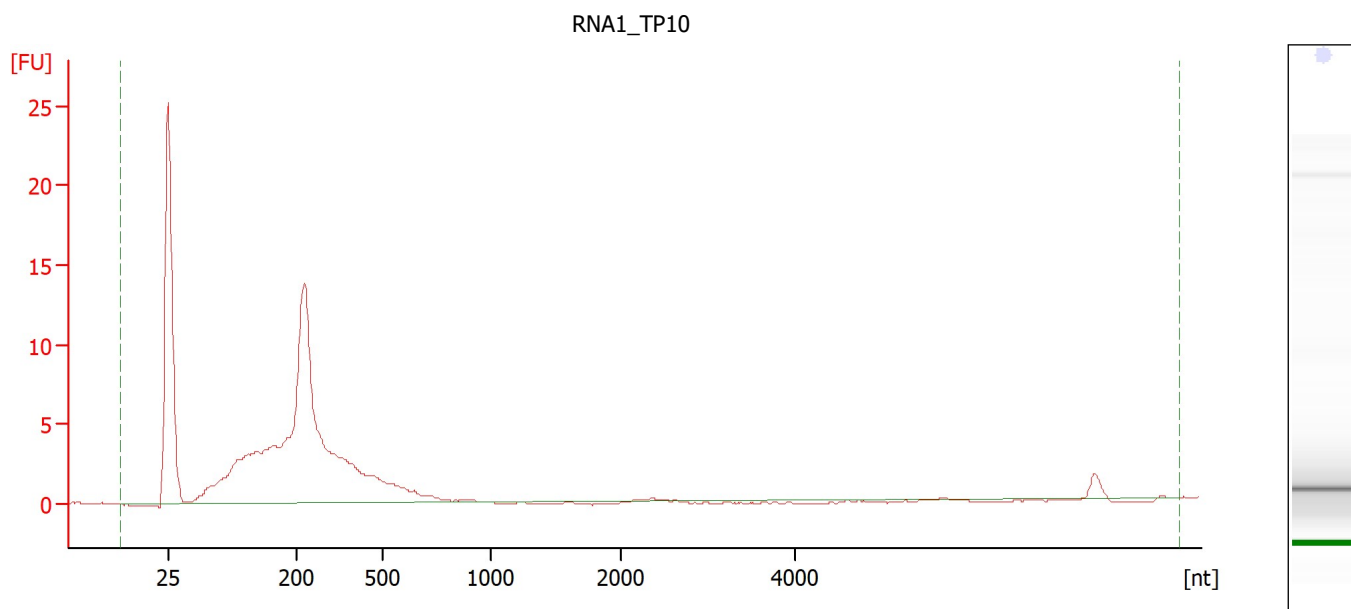
Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA1_TP9**

RNA Area:	77.5	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	34 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_16-07-11.xad

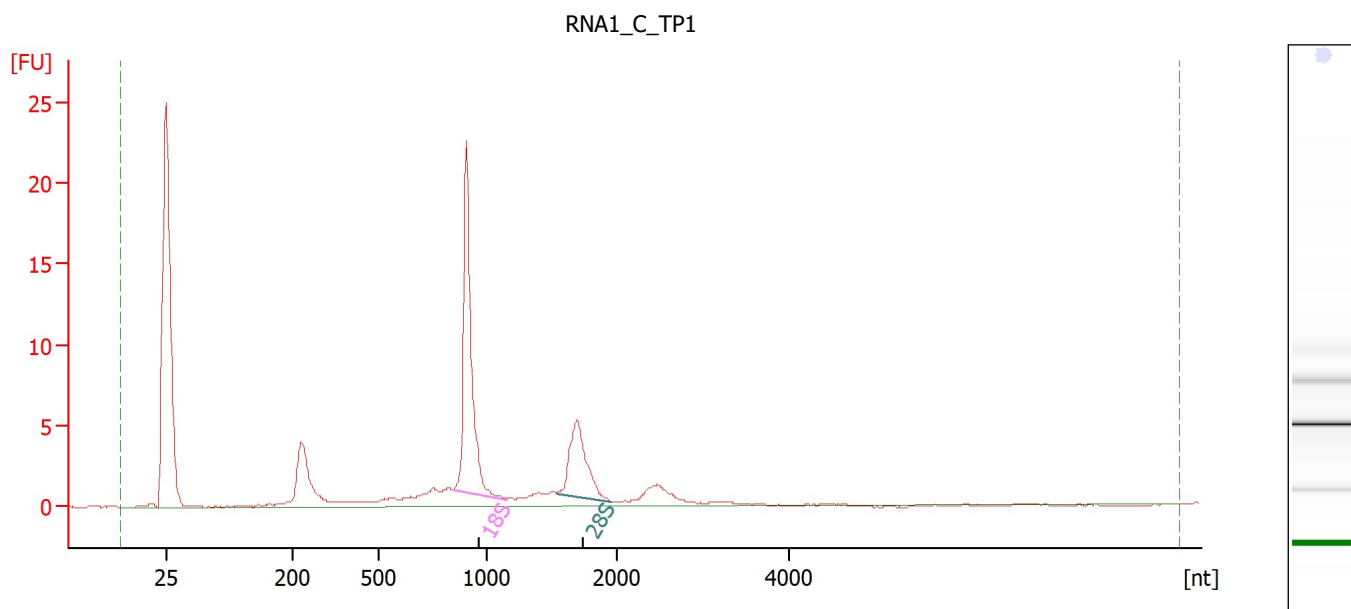
Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA1_TP10**

RNA Area:	115.6	RNA Integrity Number (RIN):	2.2 (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]:	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_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA1_C_TP1**

RNA Area: 75.7 RNA Integrity Number (RIN): 8.3 (B.02.10, Anomaly Threshold(s) manually adapted)

RNA Concentration: 33 ng/μl

rRNA Ratio [28S / 18S]: 0.4

Result Flagging Color:

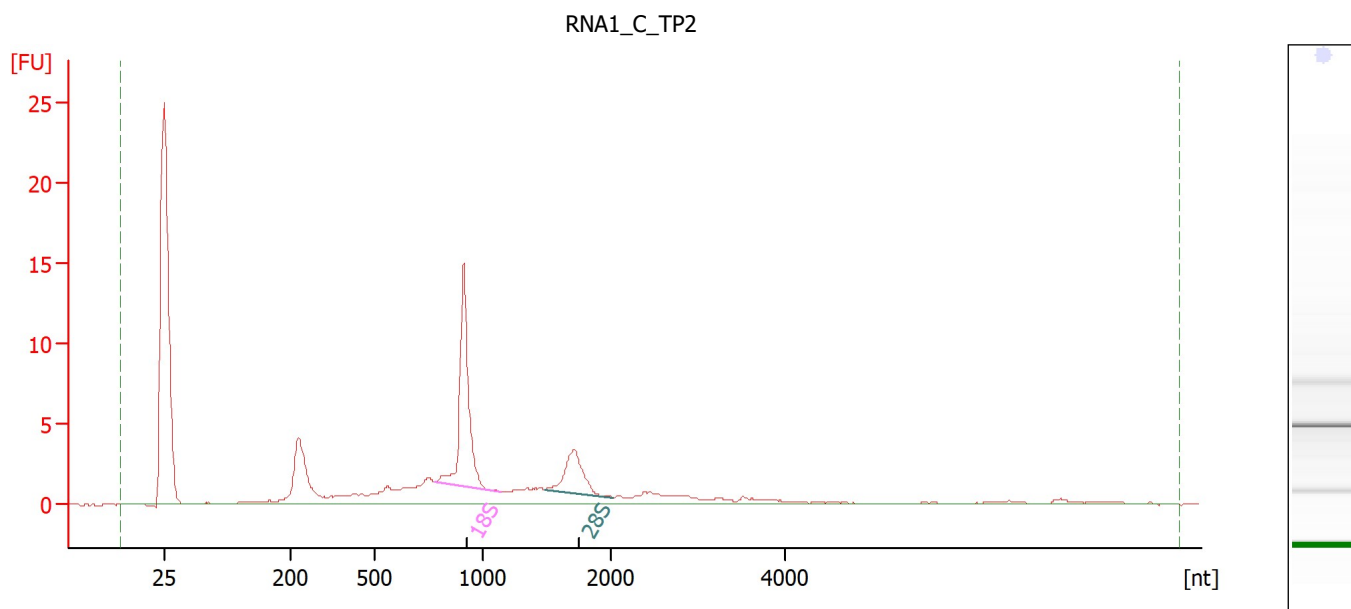
Result Flagging Label: RIN: 8.30

Fragment table for sample 11 : RNA1_C_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	843	1,151	25.6	33.9
28S	1,533	1,965	10.3	13.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : RNA1_C_TP2**

RNA Area:	77.6	RNA Integrity Number (RIN):	7.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	34 ng/μl		
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.70

Fragment table for sample 12 : RNA1_C_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	775	1,130	18.1	23.4
28S	1,480	2,022	6.3	8.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-07-11.xad

Created: 10/21/2020 4:07:11 PM
Modified: 10/21/2020 4:43:56 PM

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