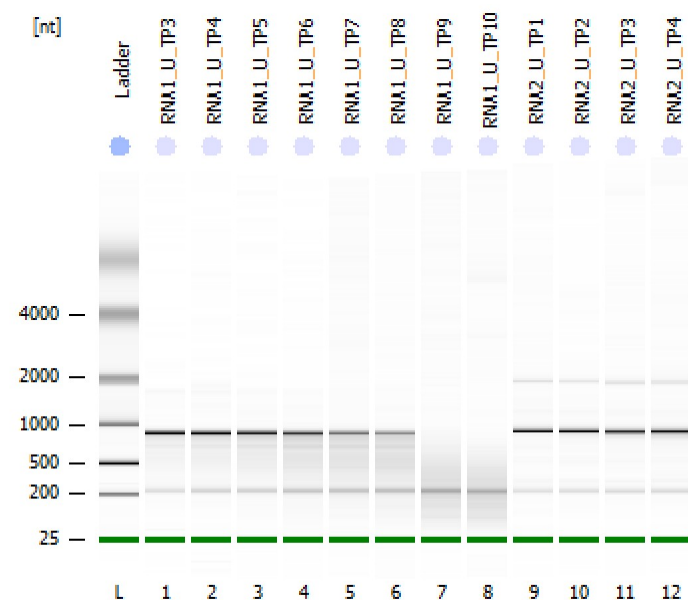


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE72901302

Firmware: C.01.069

Serial#: DE72901302

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)

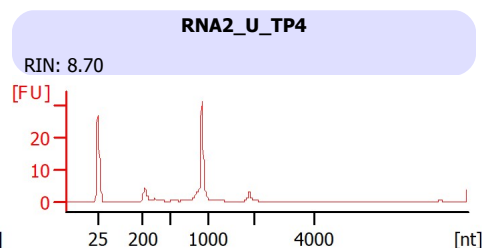
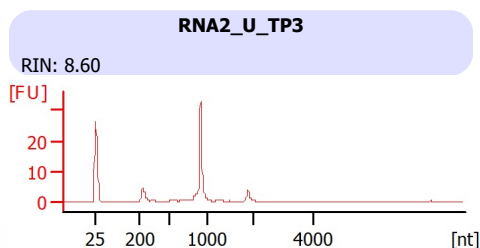
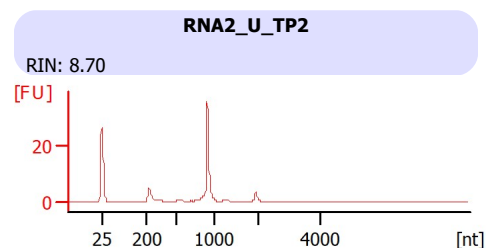
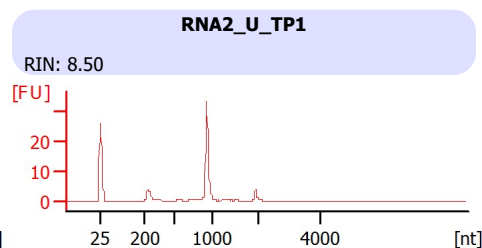
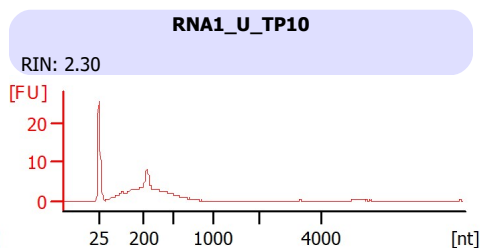
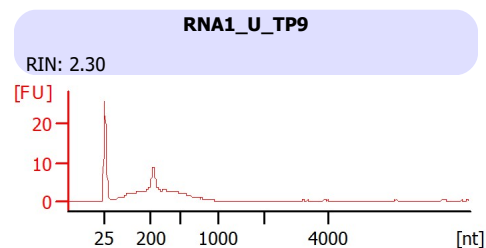
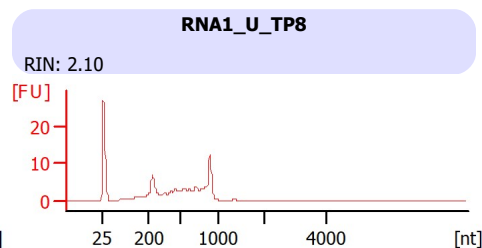
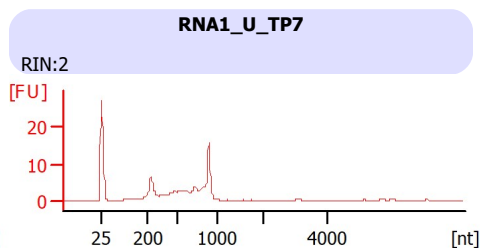
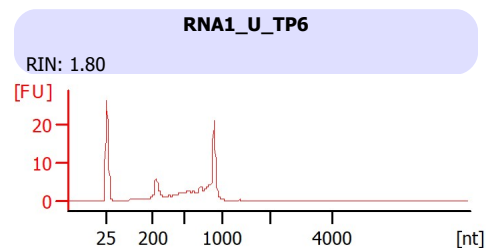
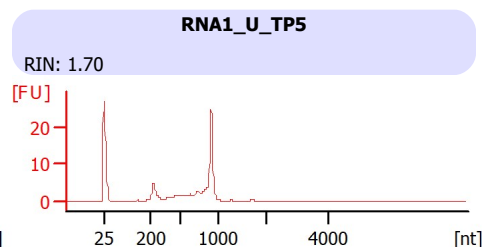
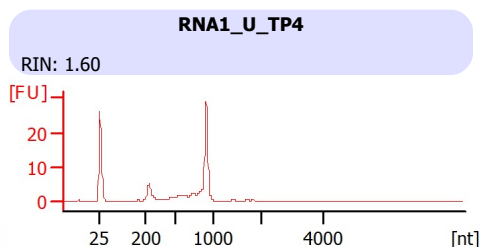
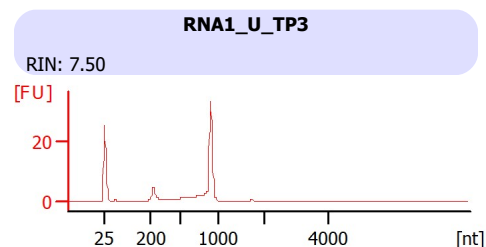
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Chip Information:

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_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA1_U_TP3		✓	RIN: 7.50	
RNA1_U_TP4		✓	RIN: 1.60	
RNA1_U_TP5		✓	RIN: 1.70	
RNA1_U_TP6		✓	RIN: 1.80	
RNA1_U_TP7		✓	RIN: 2	
RNA1_U_TP8		✓	RIN: 2.10	
RNA1_U_TP9		✓	RIN: 2.30	
RNA1_U_TP10		✓	RIN: 2.30	
RNA2_U_TP1		✓	RIN: 8.50	
RNA2_U_TP2		✓	RIN: 8.70	
RNA2_U_TP3		✓	RIN: 8.60	
RNA2_U_TP4		✓	RIN: 8.70	
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_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 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

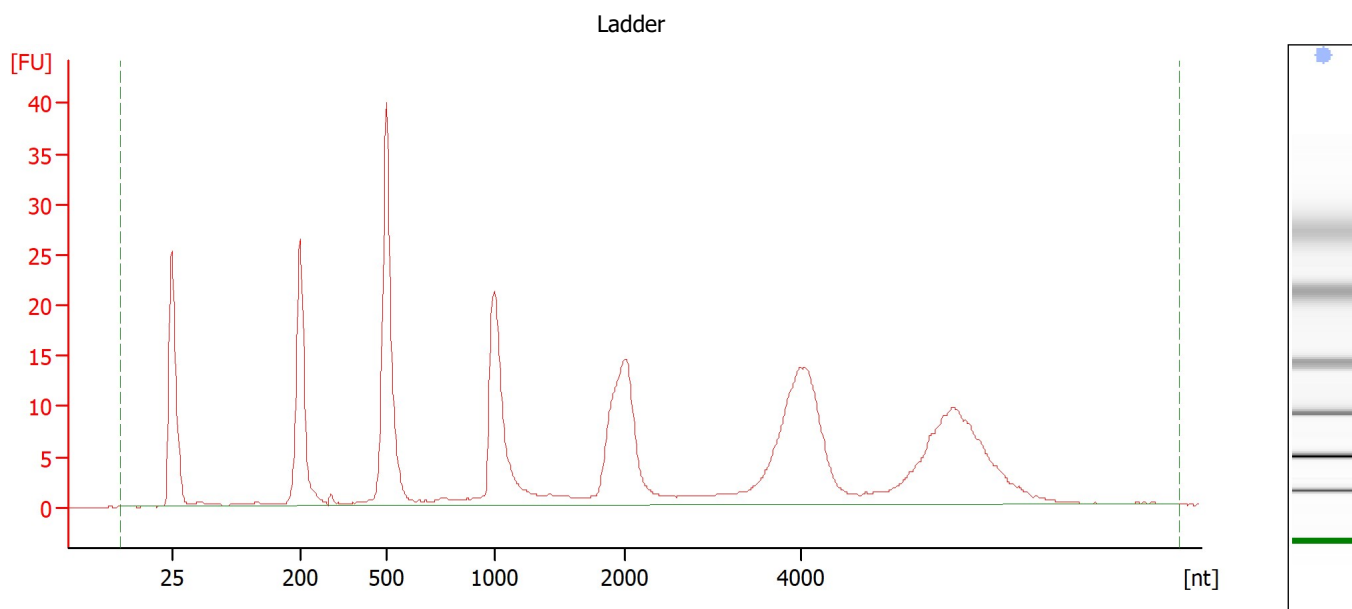
Ladder

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_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 334.9

Result Flagging Color:



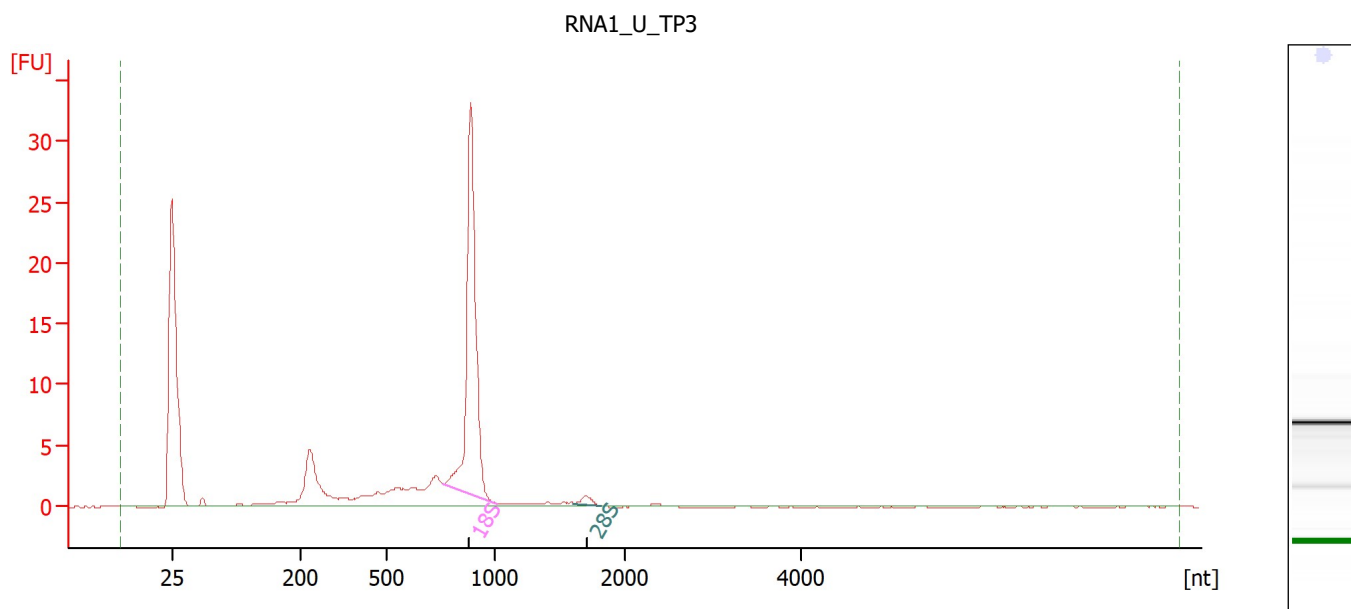
RNA Concentration: 150 ng/μl

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_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA1_U_TP3**

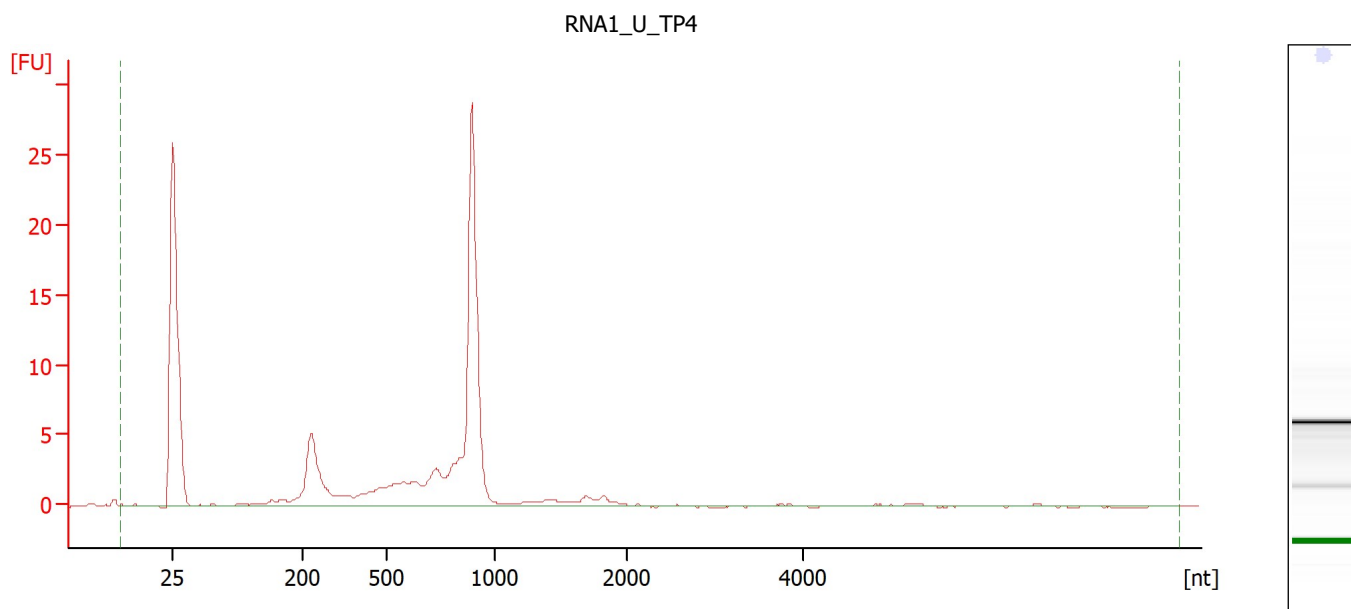
RNA Area:	86.5	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	39 ng/μl		
rRNA Ratio [28S / 18S]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.50

Fragment table for sample 1 : RNA1_U_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	762	1,024	43.0	49.7
28S	1,601	1,813	1.0	1.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

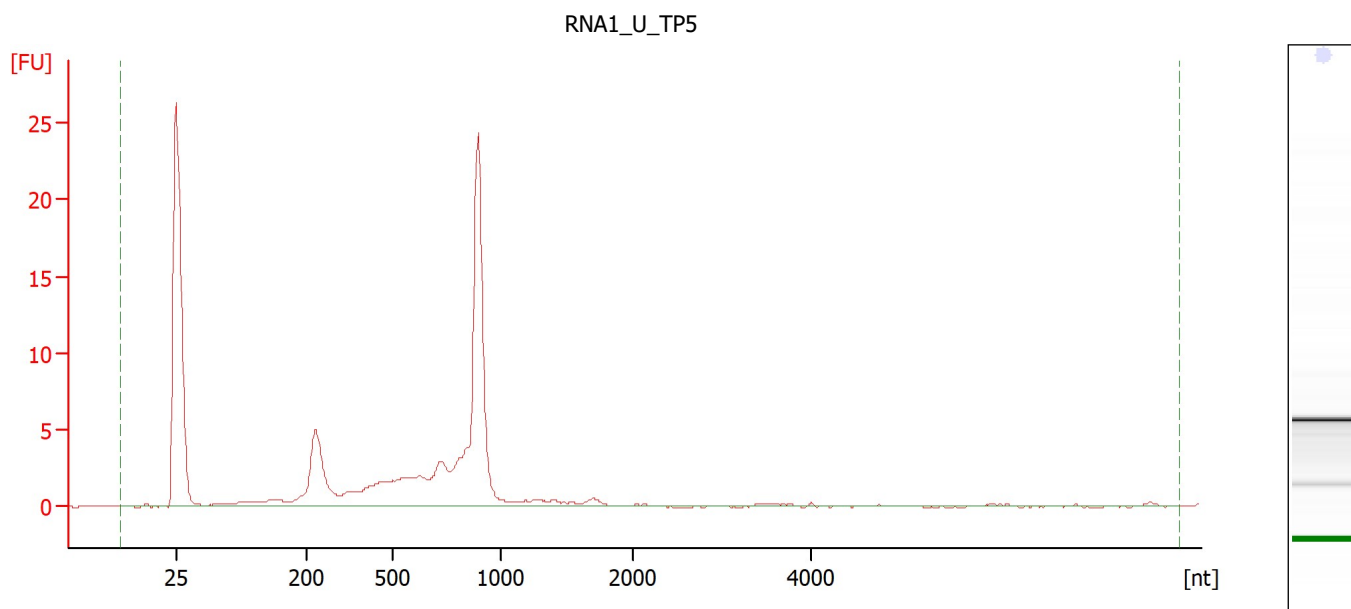
Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA1_U_TP4**

RNA Area:	86.2	RNA Integrity Number (RIN):	1.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	39 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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA1_U_TP5**

RNA Area: 89.8

RNA Concentration: 40 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

1.7 (B.02.10,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

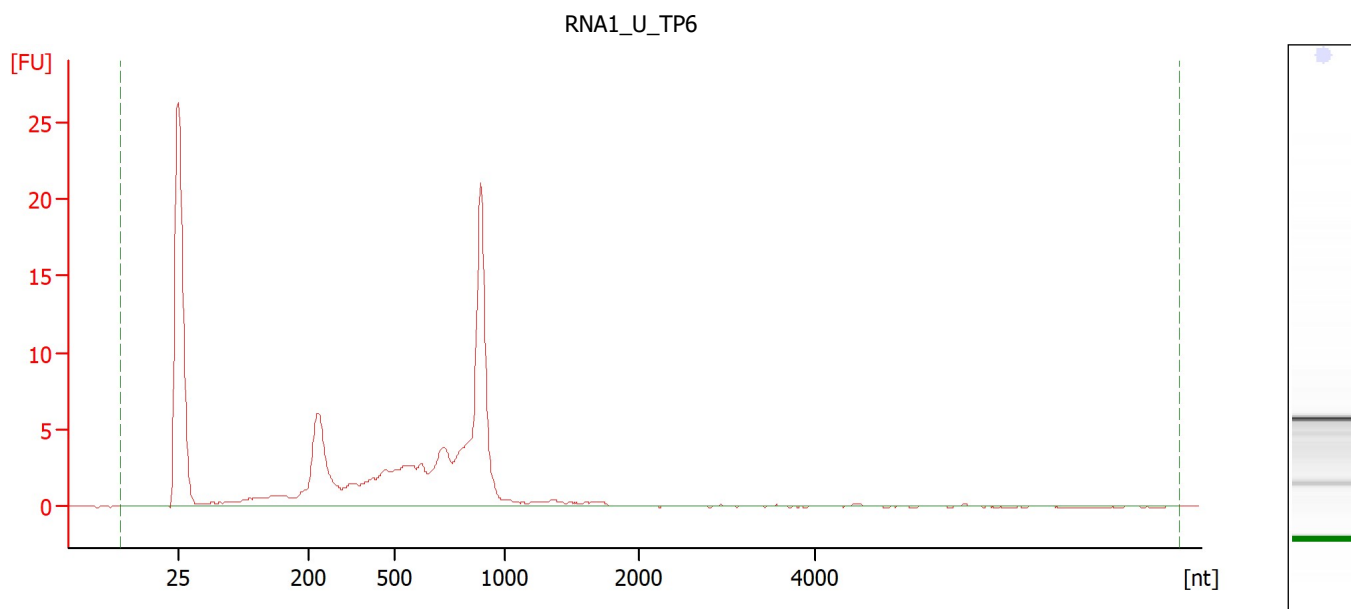


Result Flagging Label:

RIN: 1.70

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA1_U_TP6**

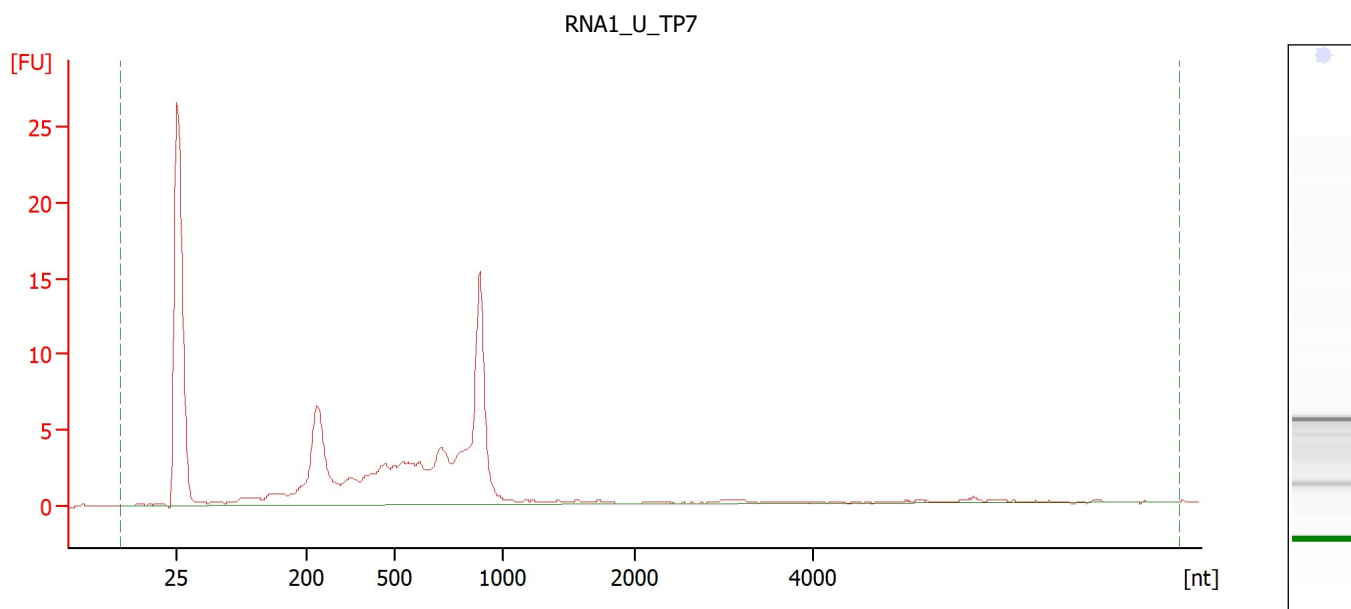
RNA Area: 102.3
RNA Concentration: 46 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.8 (B.02.10,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:
Result Flagging Label: RIN: 1.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

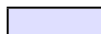
Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA1_U_TP7**

RNA Area: 101.5
RNA Concentration: 45 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

2 (B.02.10, Anomaly
Threshold(s) manually
adapted)

Result Flagging Color:

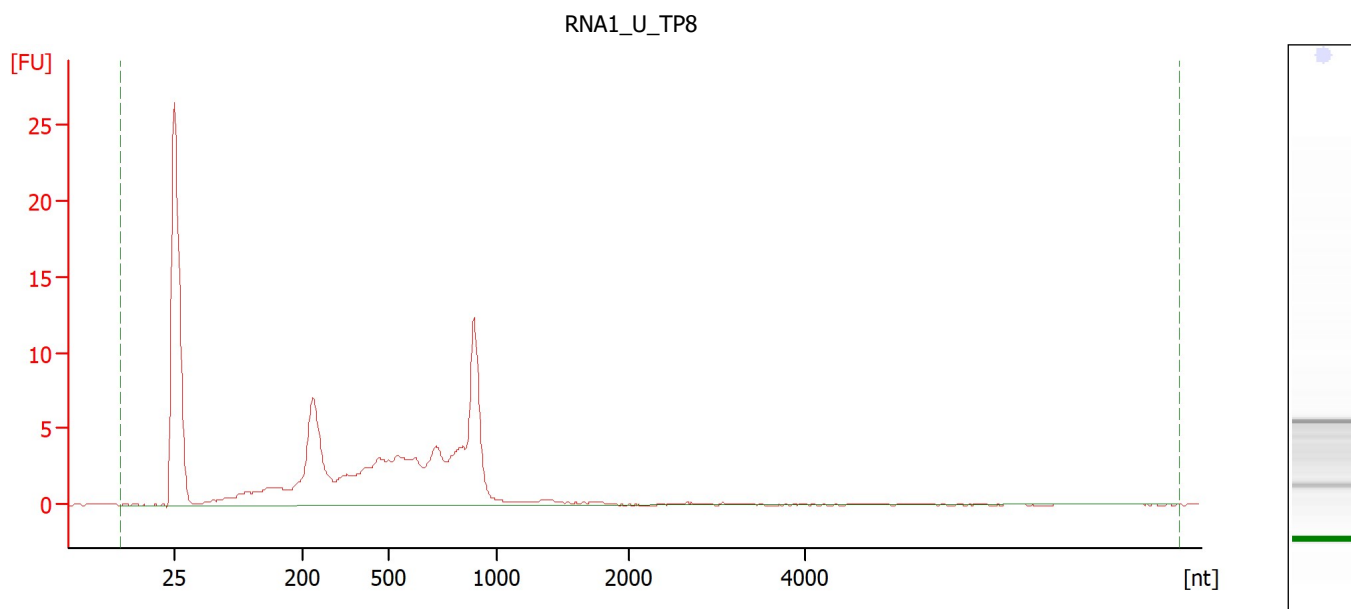


Result Flagging Label:

RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

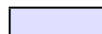
Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA1_U_TP8**

RNA Area: 109.7
RNA Concentration: 49 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

2.1 (B.02.10,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

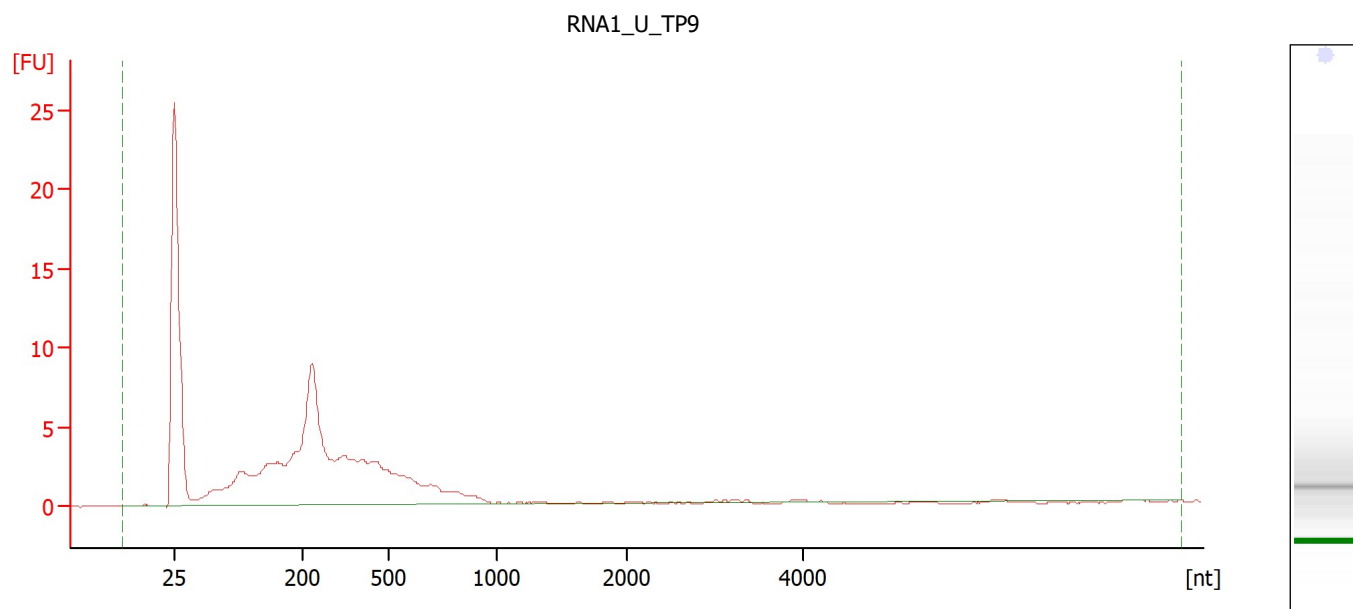


Result Flagging Label:

RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

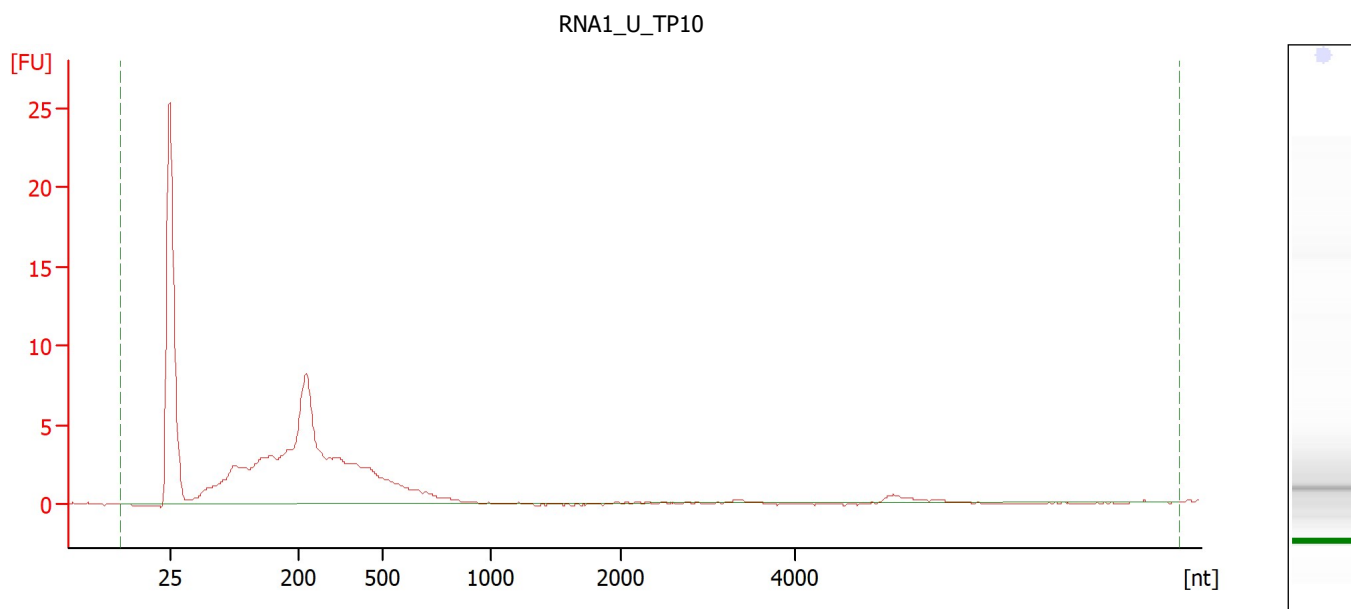
Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA1_U_TP9**

RNA Area:	103.8	RNA Integrity Number (RIN):	2.3 (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: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

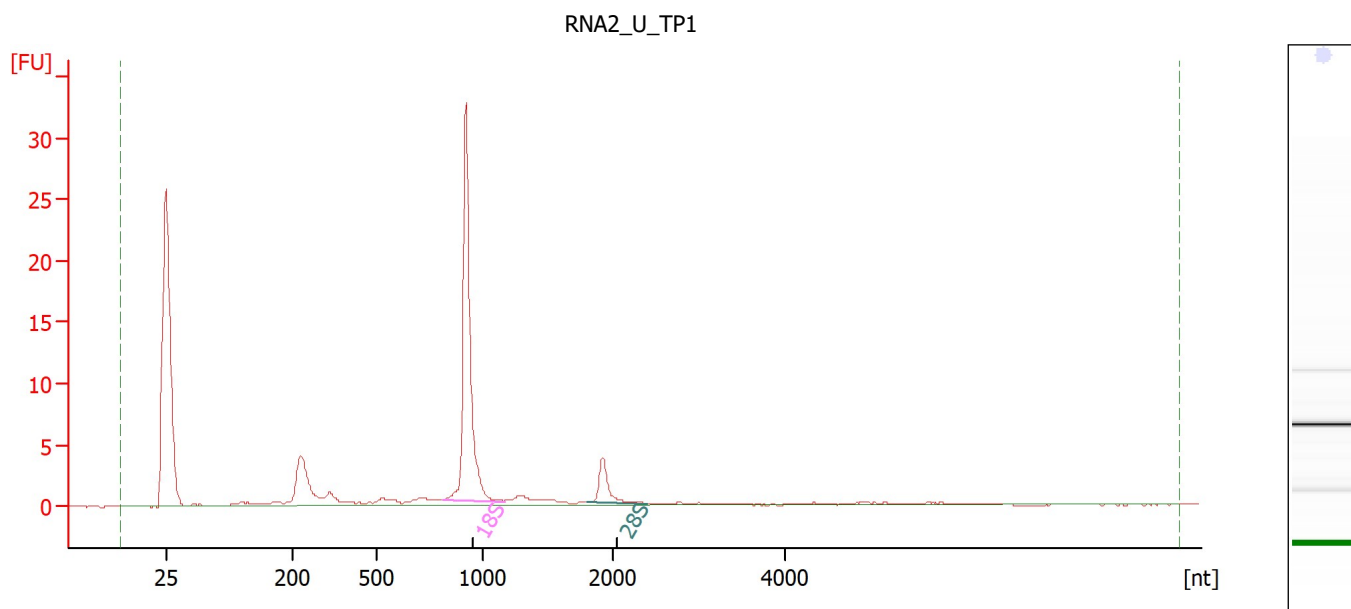
Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA1_U_TP10**

RNA Area:	98.2	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	44 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_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA2_U_TP1**

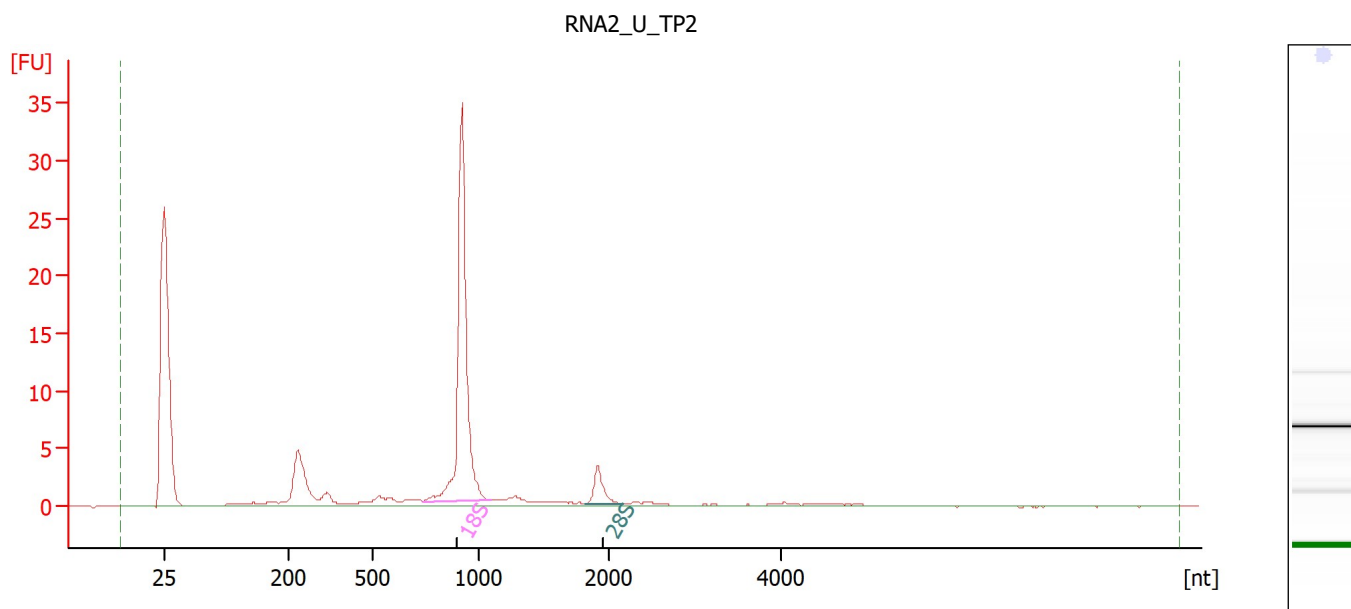
RNA Area:	69.4	RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	31 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	<div style="background-color: #d3d3d3; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.50

Fragment table for sample 9 : RNA2_U_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	814	1,165	35.2	50.7
28S	1,800	2,393	4.4	6.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA2_U_TP2**

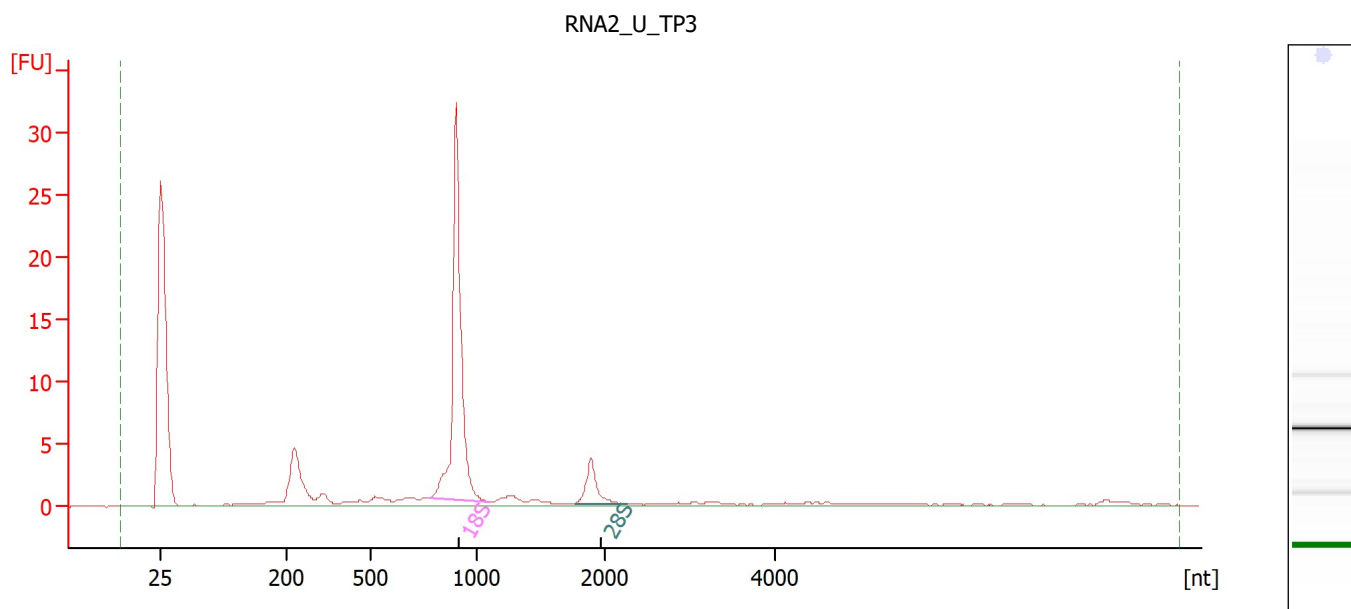
RNA Area:	84.8	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	38 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.70

Fragment table for sample 10 : RNA2_U_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	735	1,095	41.6	49.1
28S	1,823	2,170	3.8	4.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA2_U_TP3**

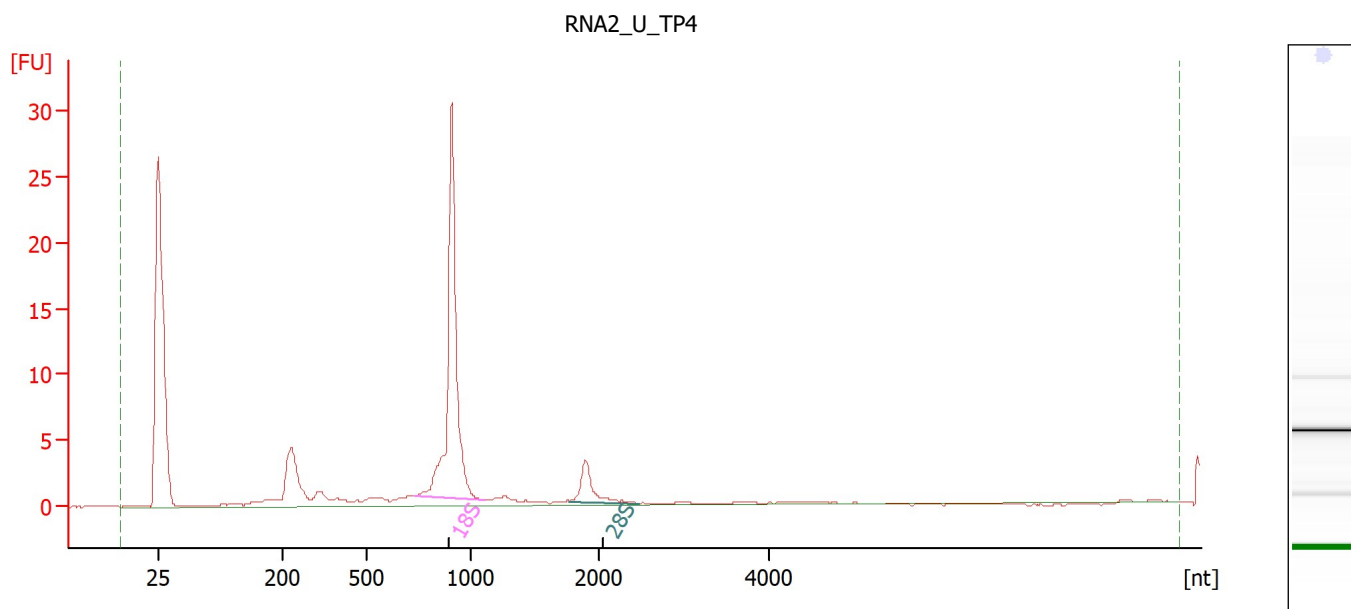
RNA Area:	79.8	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	36 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	<div style="background-color: #d3d3d3; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.60

Fragment table for sample 11 : RNA2_U_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	776	1,107	39.4	49.4
28S	1,764	2,258	5.0	6.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : RNA2_U_TP4**

RNA Area: 81.0 RNA Integrity Number (RIN): 8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration: 36 ng/μl
rRNA Ratio [28s / 18s]: 0.1
Result Flagging Color:
Result Flagging Label: RIN: 8.70

Fragment table for sample 12 : RNA2_U_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	729	1,116	40.0	49.4
28S	1,778	2,484	4.7	5.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-37-08.xad

Created: 10/21/2020 5:37:07 PM
Modified: 10/21/2020 6:13:55 PM

Gel Image