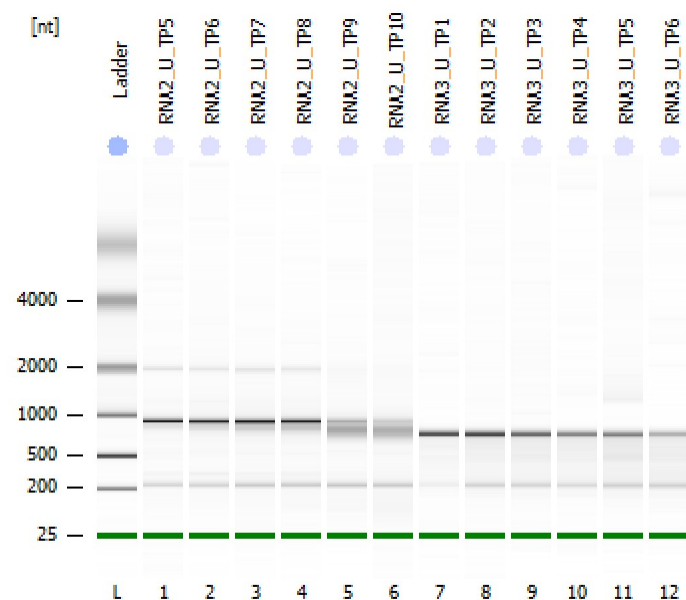


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901420

Firmware: C.01.069

Serial#: DE72901420

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)

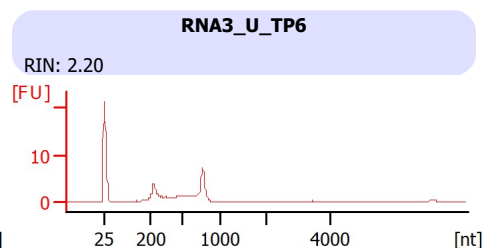
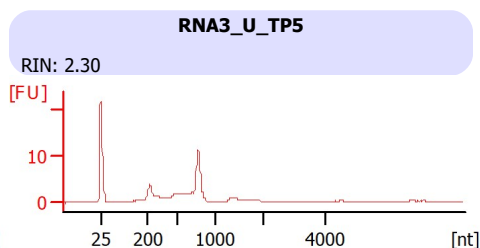
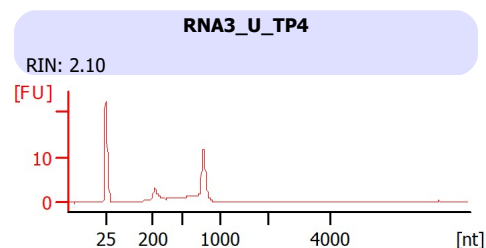
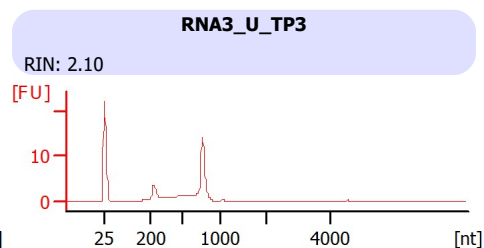
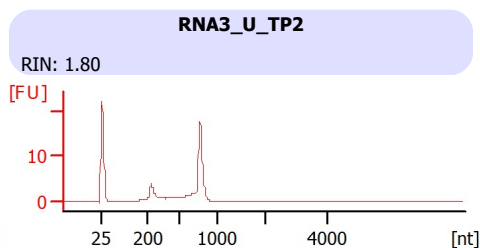
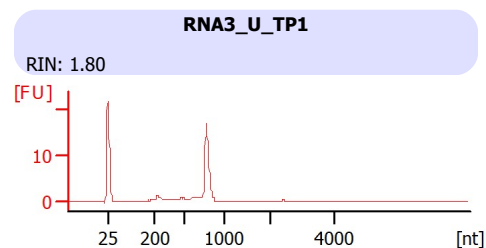
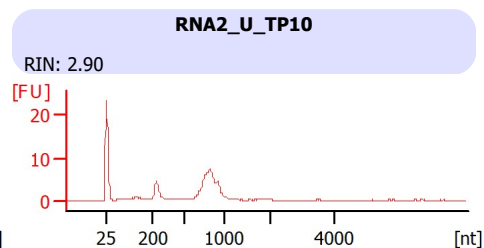
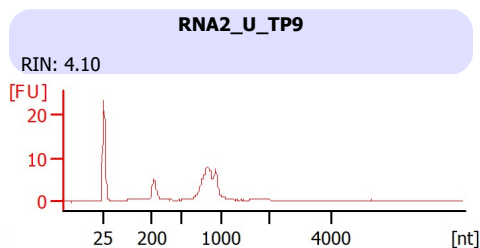
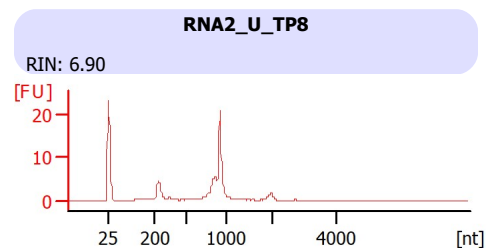
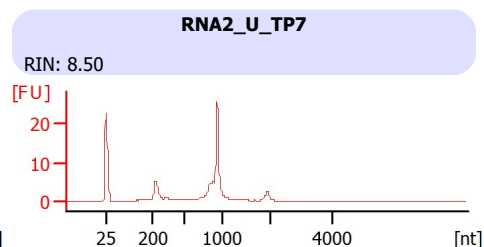
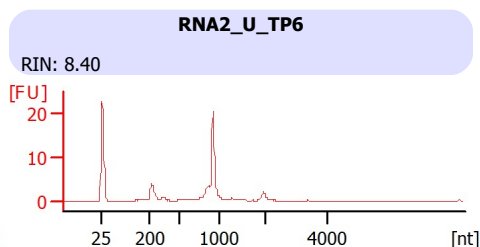
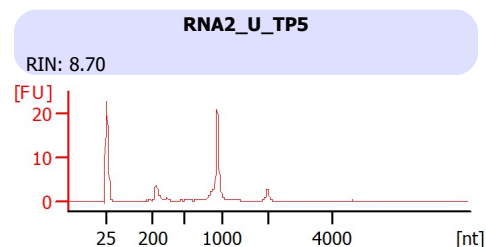
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Chip Information:

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_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA2_U_TP5		✓	RIN: 8.70	
RNA2_U_TP6		✓	RIN: 8.40	
RNA2_U_TP7		✓	RIN: 8.50	
RNA2_U_TP8		✓	RIN: 6.90	
RNA2_U_TP9		✓	RIN: 4.10	
RNA2_U_TP10		✓	RIN: 2.90	
RNA3_U_TP1		✓	RIN: 1.80	
RNA3_U_TP2		✓	RIN: 1.80	
RNA3_U_TP3		✓	RIN: 2.10	
RNA3_U_TP4		✓	RIN: 2.10	
RNA3_U_TP5		✓	RIN: 2.30	
RNA3_U_TP6		✓	RIN: 2.20	
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_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 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

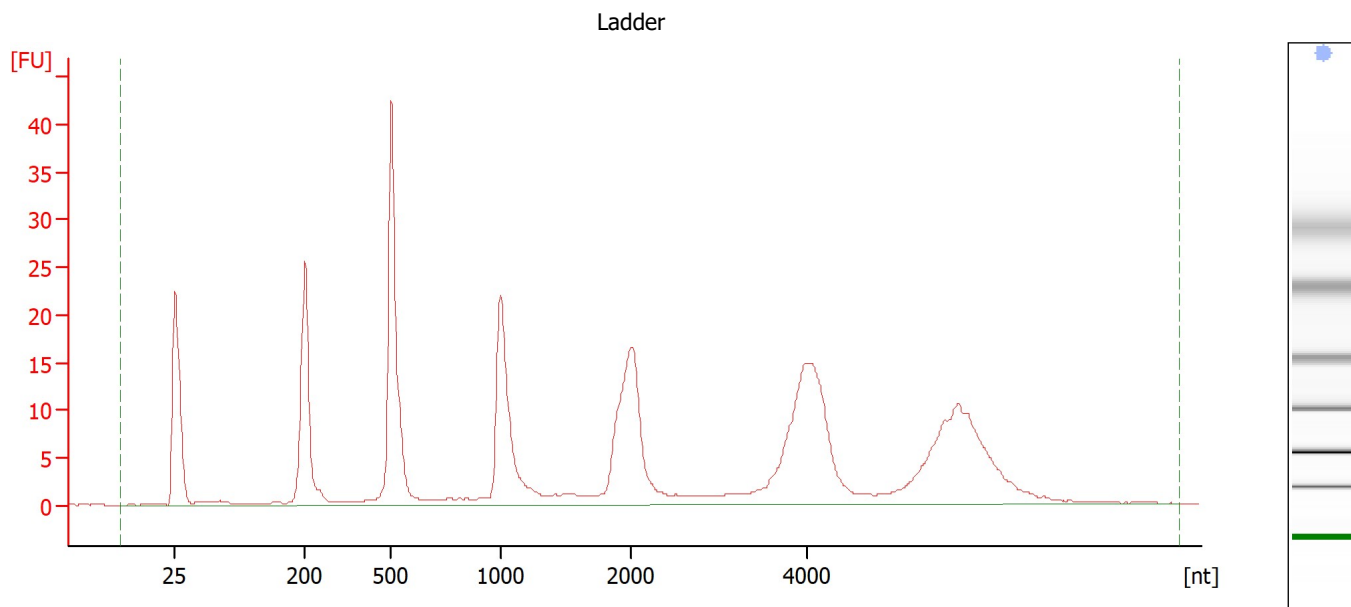
Ladder

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_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 334.4

Result Flagging Color:



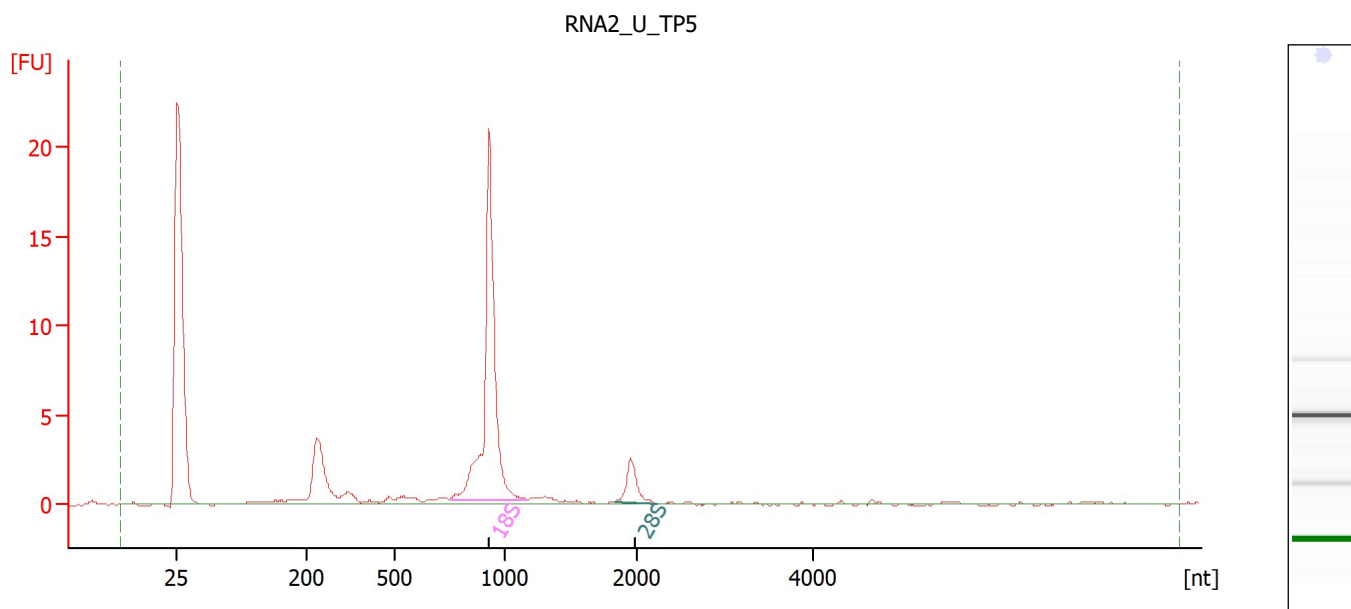
RNA Concentration: 150 ng/μl

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_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA2_U_TP5**

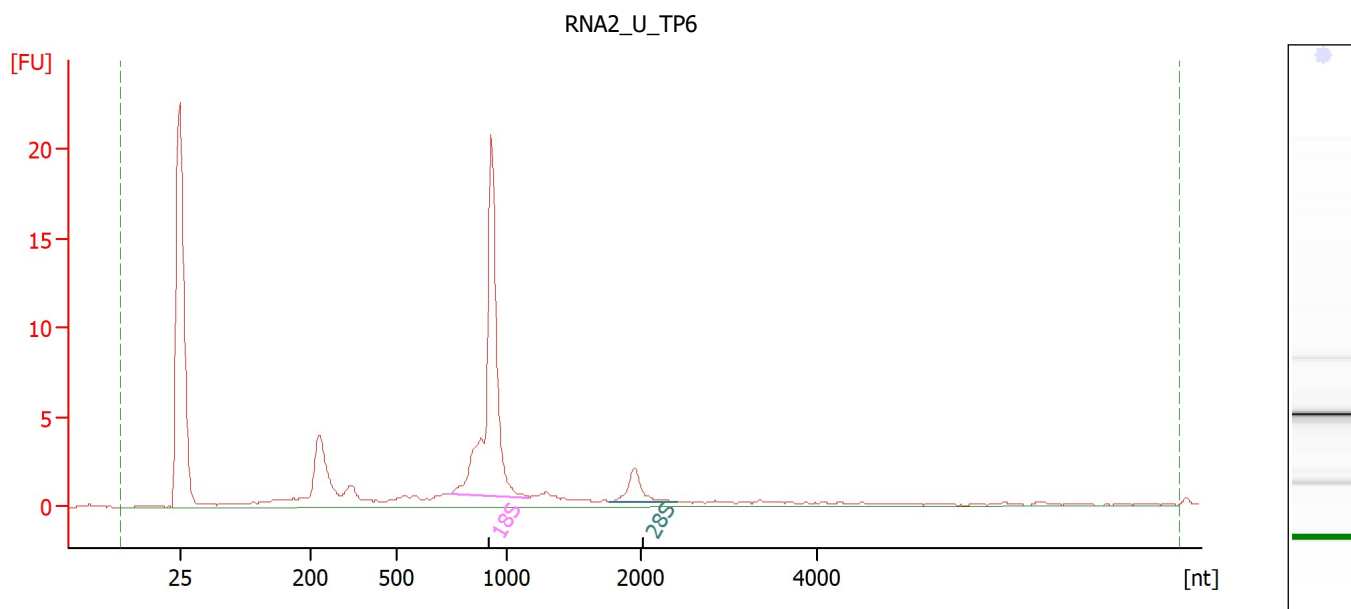
RNA Area: 55.3 RNA Integrity Number (RIN): 8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration: 25 ng/μl
rRNA Ratio [28S / 18S]: 0.1
Result Flagging Color:
Result Flagging Label: RIN: 8.70

Fragment table for sample 1 : RNA2_U_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	754	1,174	28.5	51.5
28S	1,846	2,243	3.0	5.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA2_U_TP6**

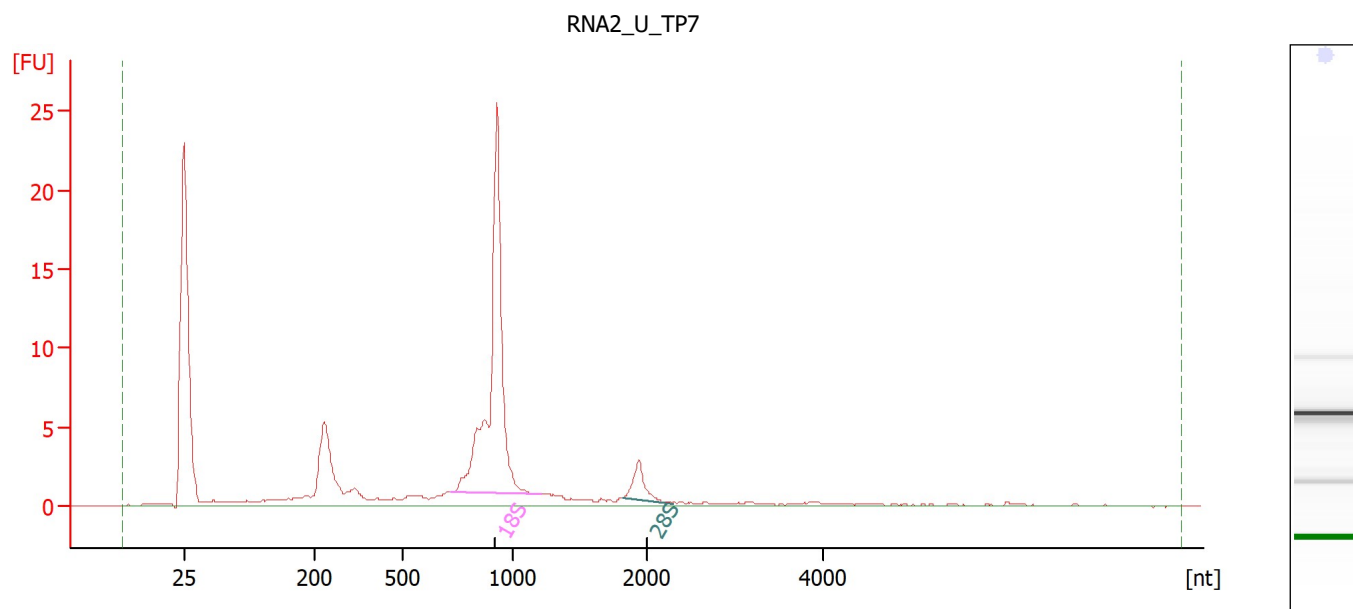
RNA Area: 75.6 RNA Integrity Number (RIN): 8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration: 34 ng/μl
rRNA Ratio [28S / 18S]: 0.1
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 2 : RNA2_U_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	738	1,163	30.2	40.0
28S	1,759	2,424	3.3	4.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA2_U_TP7**

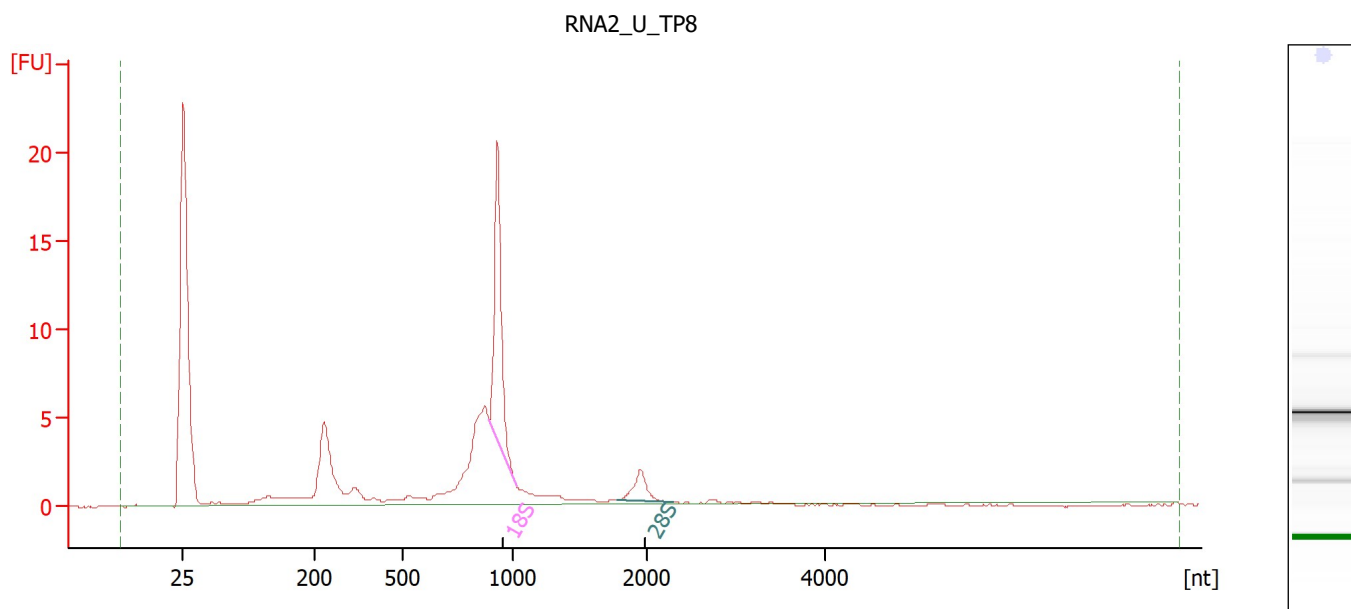
RNA Area:	90.8	RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	41 ng/μl		
rRNA Ratio [28S / 18S]:	0.1	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.50

Fragment table for sample 3 : RNA2_U_TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	718	1,207	40.6	44.7
28S	1,825	2,291	3.4	3.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA2_U_TP8**

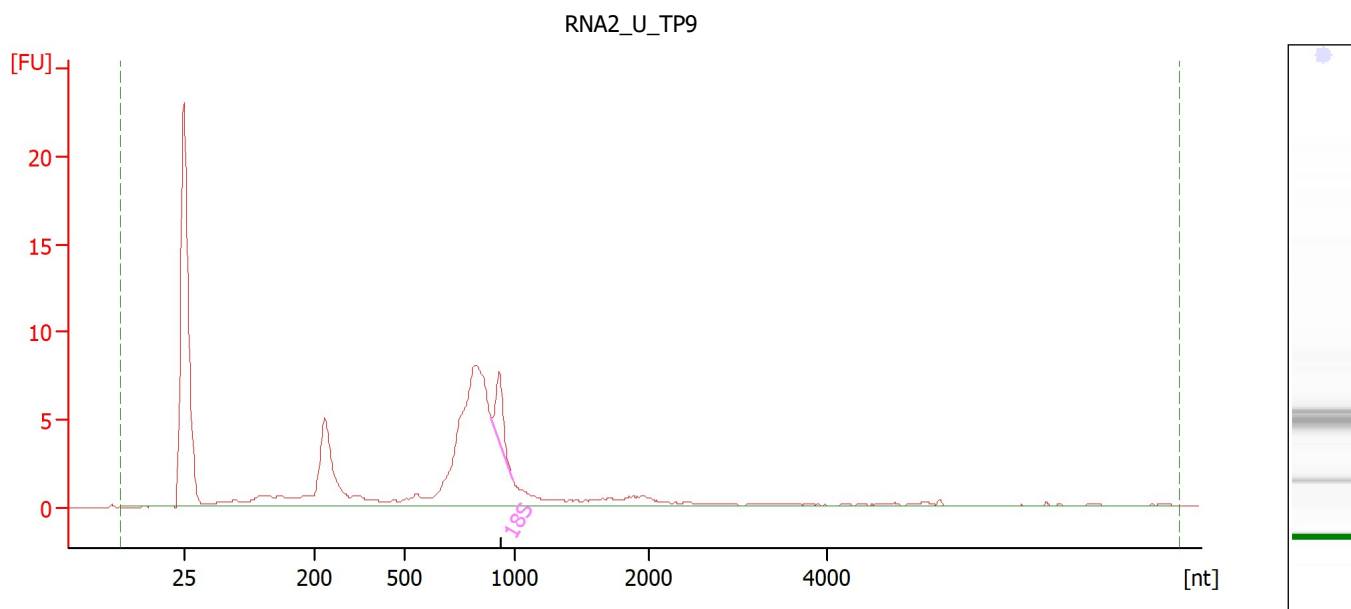
RNA Area:	75.3	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	34 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 6.90

Fragment table for sample 4 : RNA2_U_TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	894	1,025	16.8	22.3
28S	1,777	2,290	3.0	4.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA2_U_TP9**

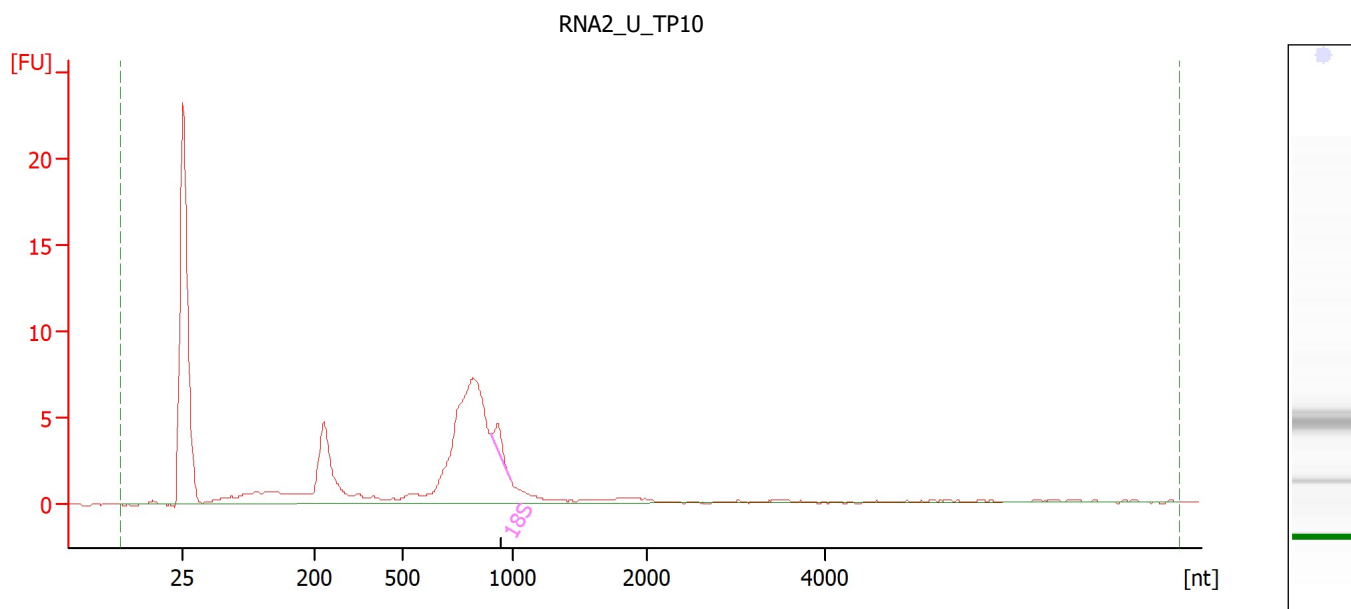
RNA Area:	87.4	RNA Integrity Number (RIN):	4.1 (B.02.10)
RNA Concentration:	39 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.10

Fragment table for sample 5 : RNA2_U_TP9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	896	992	4.1	4.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA2_U_TP10**

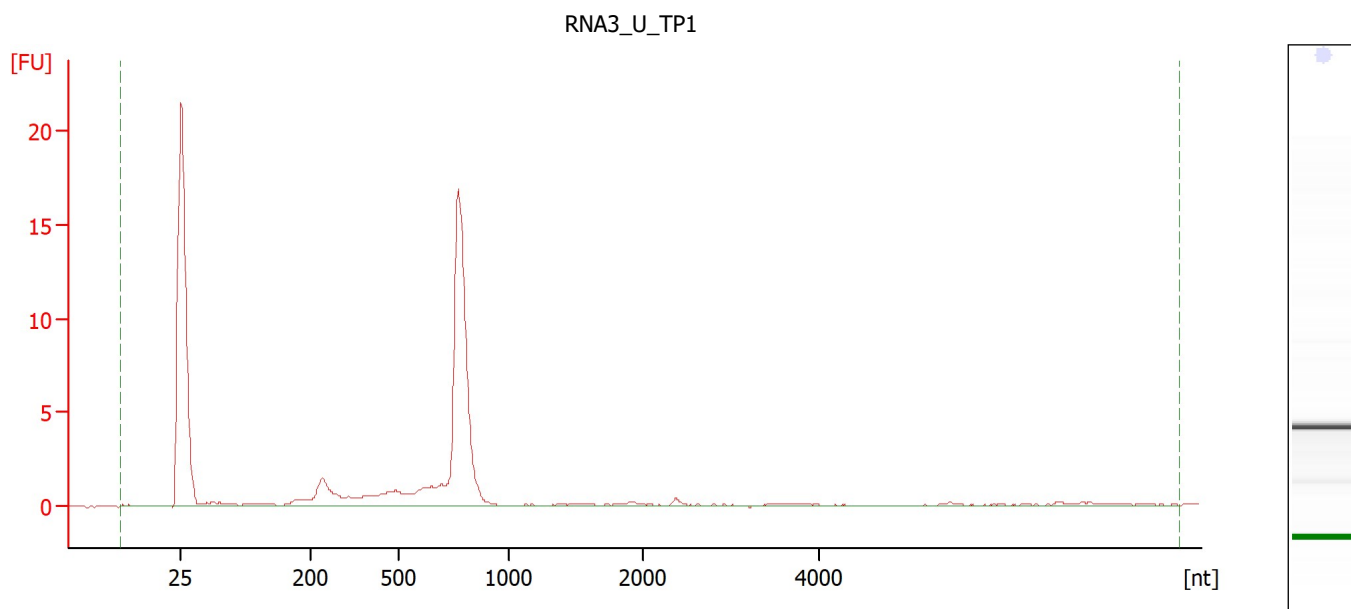
RNA Area:	77.4	RNA Integrity Number (RIN):	2.9 (B.02.10)
RNA Concentration:	35 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

Fragment table for sample 6 : RNA2_U_TP10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	899	991	1.7	2.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA3_U_TP1**

RNA Area: 52.8

RNA Concentration: 24 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:

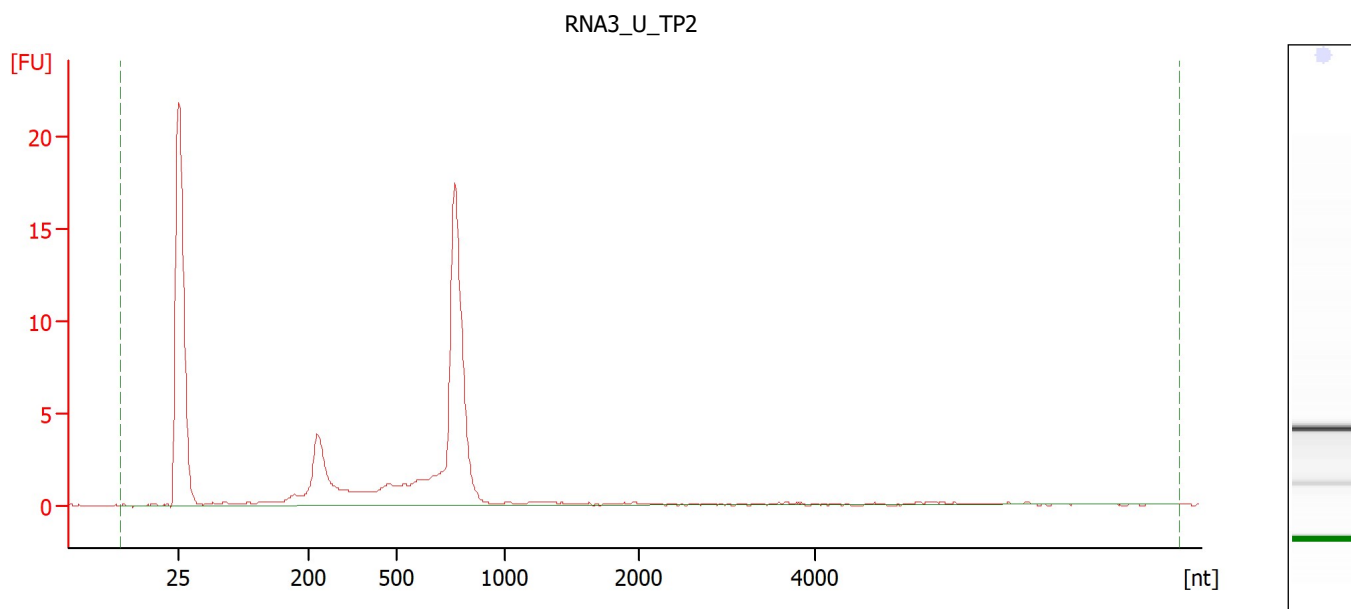


Result Flagging Label:

RIN: 1.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA3_U_TP2**

RNA Area: 64.4
RNA Concentration: 29 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:

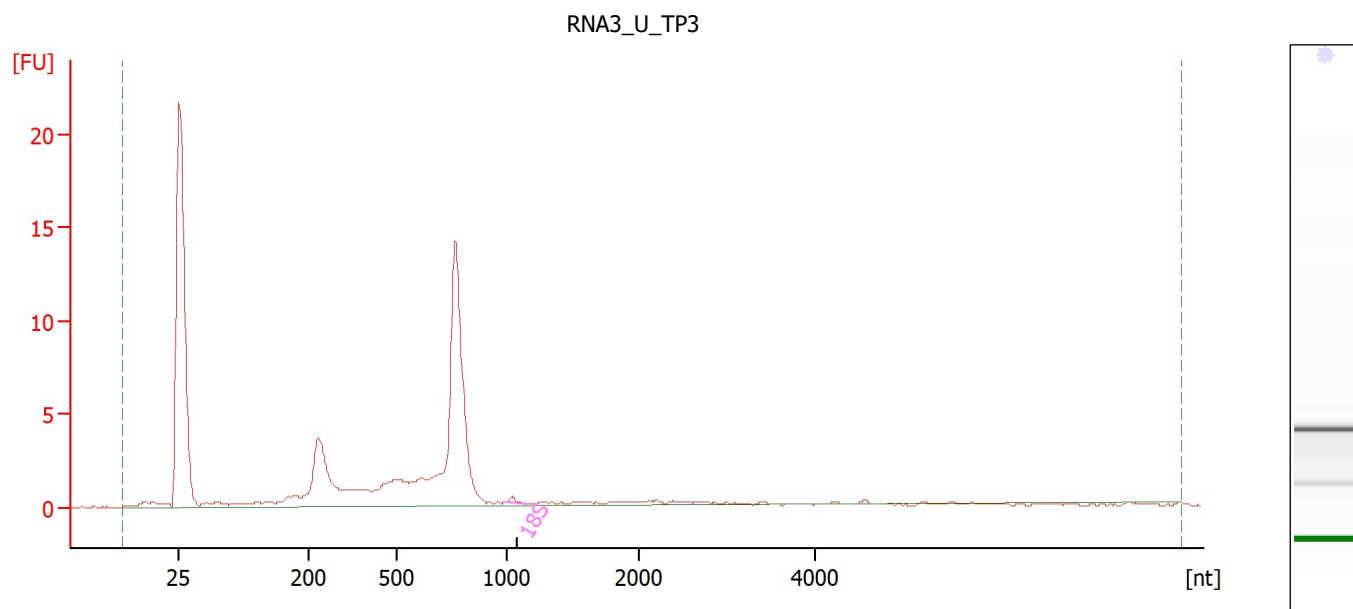


Result Flagging Label:

RIN: 1.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA3_U_TP3**

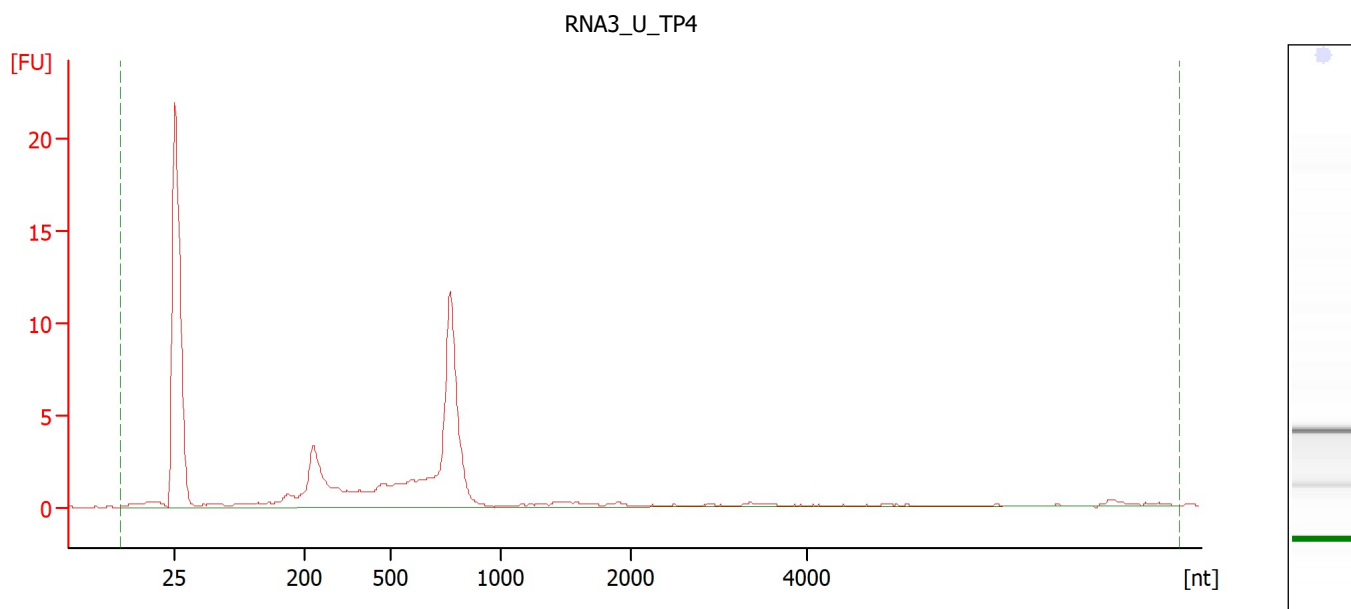
RNA Area:	63.6	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	29 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 9 : RNA3_U_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,013	1,150	0.3	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

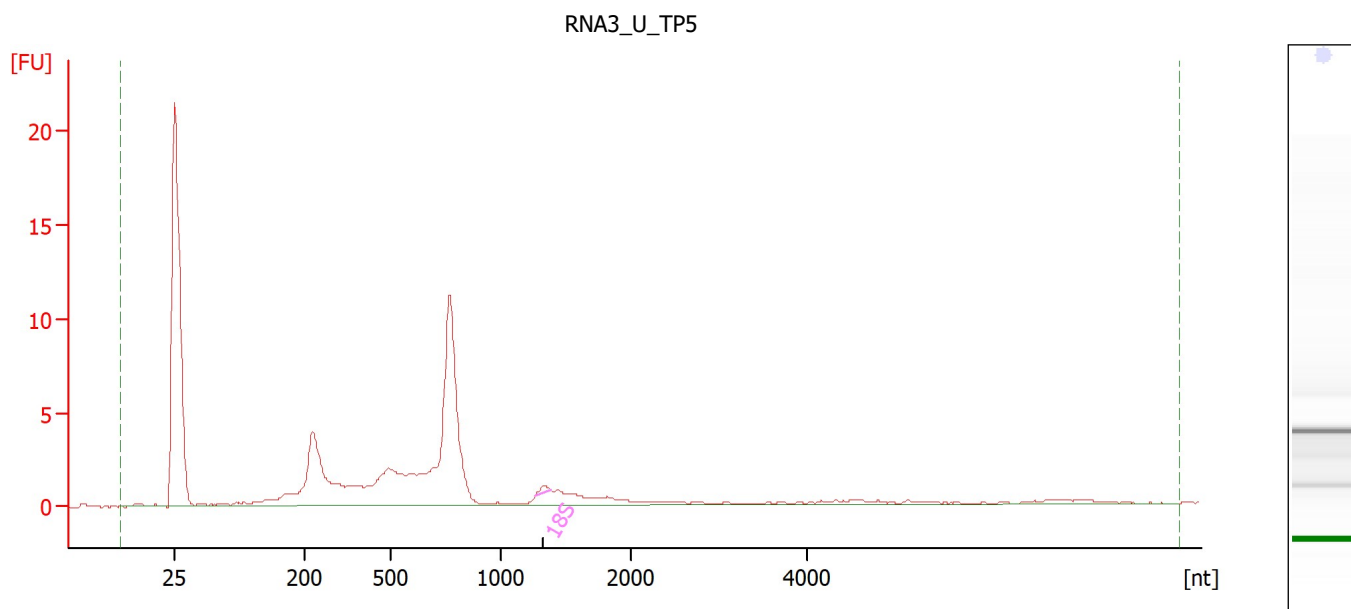
Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA3 U TP4**

RNA Area:	59.6	RNA Integrity Number (RIN):	2.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	27 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: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA3 U TP5**

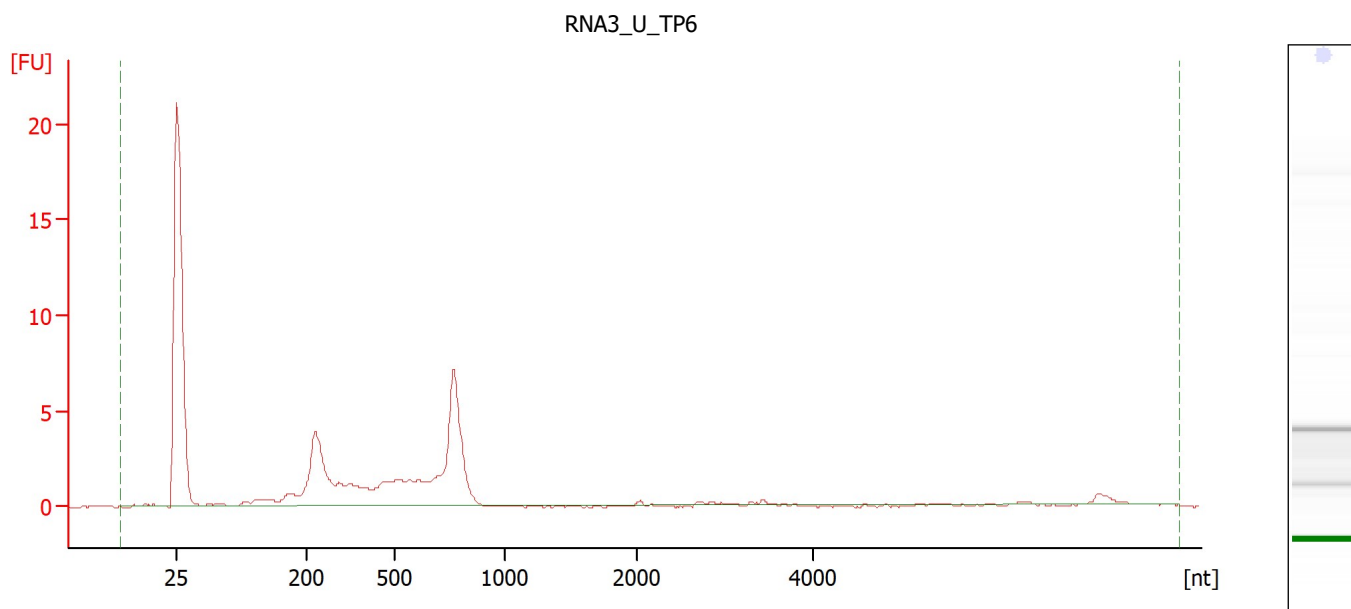
RNA Area:	68.3	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	31 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 11 : RNA3 U TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,268	1,390	0.5	0.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : RNA3 U TP6**

RNA Area:	52.6	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	24 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_17-42-16.xad

Created: 10/21/2020 5:42:15 PM
Modified: 10/21/2020 6:14:47 PM

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