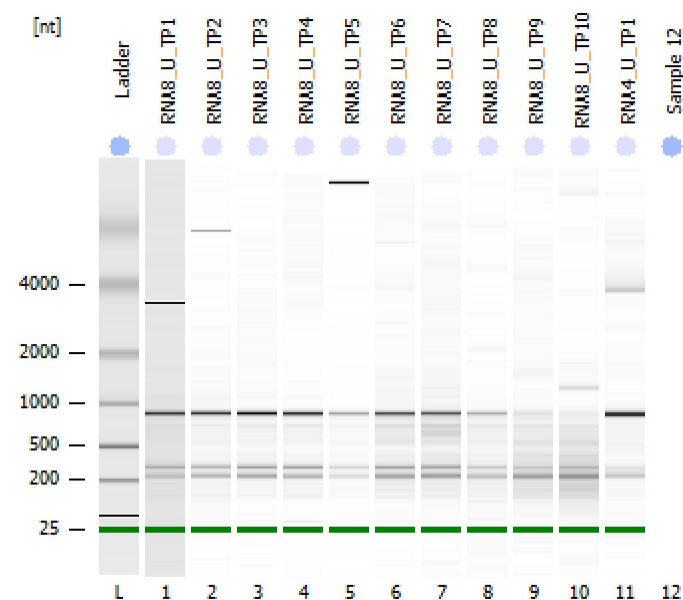


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

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)

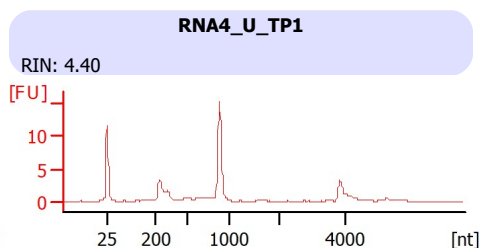
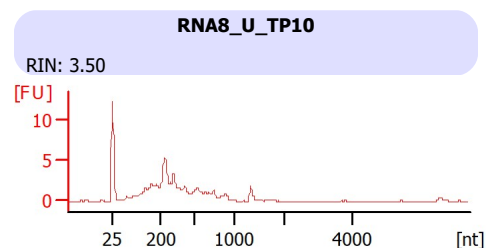
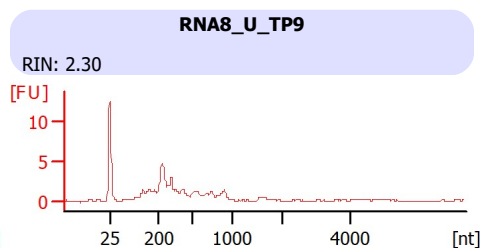
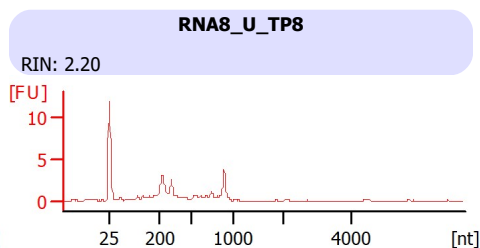
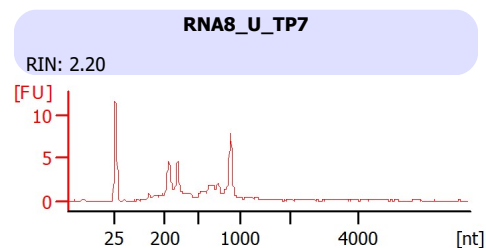
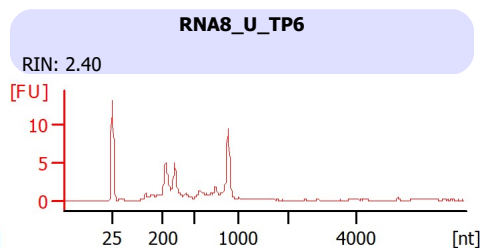
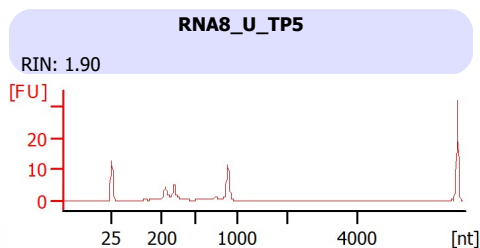
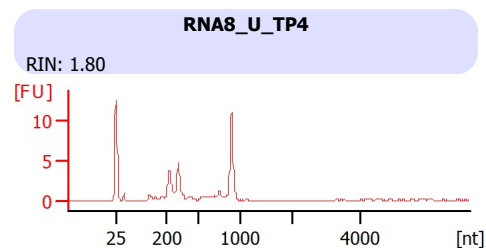
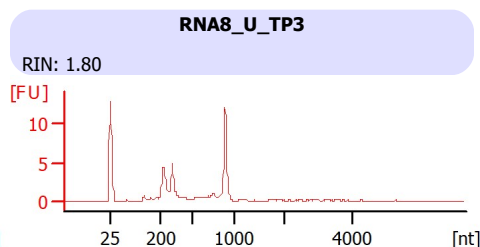
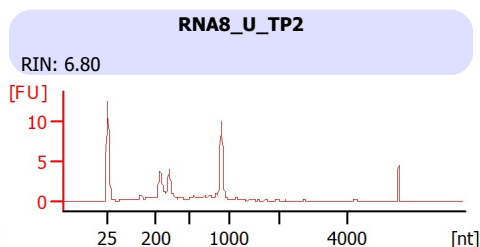
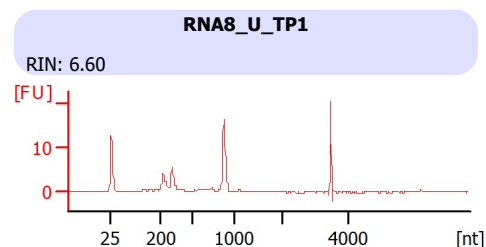
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA8_U_TP1		✓	RIN: 6.60	
RNA8_U_TP2		✓	RIN: 6.80	
RNA8_U_TP3		✓	RIN: 1.80	
RNA8_U_TP4		✓	RIN: 1.80	
RNA8_U_TP5		✓	RIN: 1.90	
RNA8_U_TP6		✓	RIN: 2.40	
RNA8_U_TP7		✓	RIN: 2.20	
RNA8_U_TP8		✓	RIN: 2.20	
RNA8_U_TP9		✓	RIN: 2.30	
RNA8_U_TP10		✓	RIN: 3.50	
RNA4_U_TP1		✓	RIN: 4.40	
Sample 12				
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

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

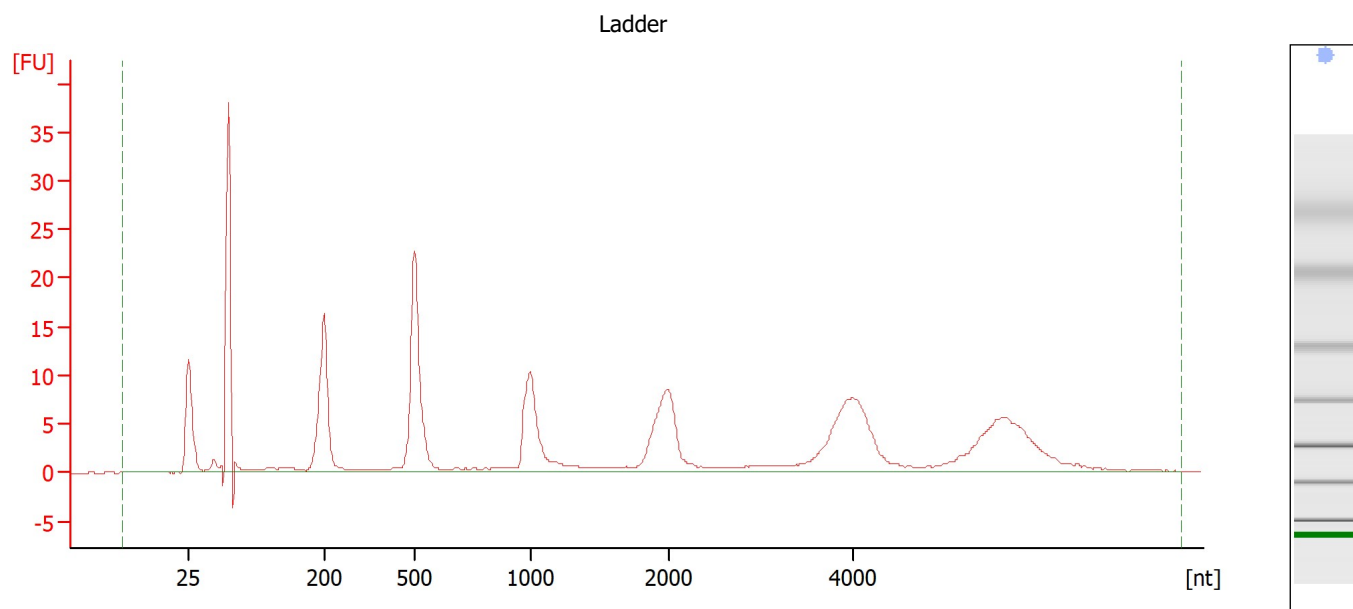
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 221.5

Result Flagging Color:



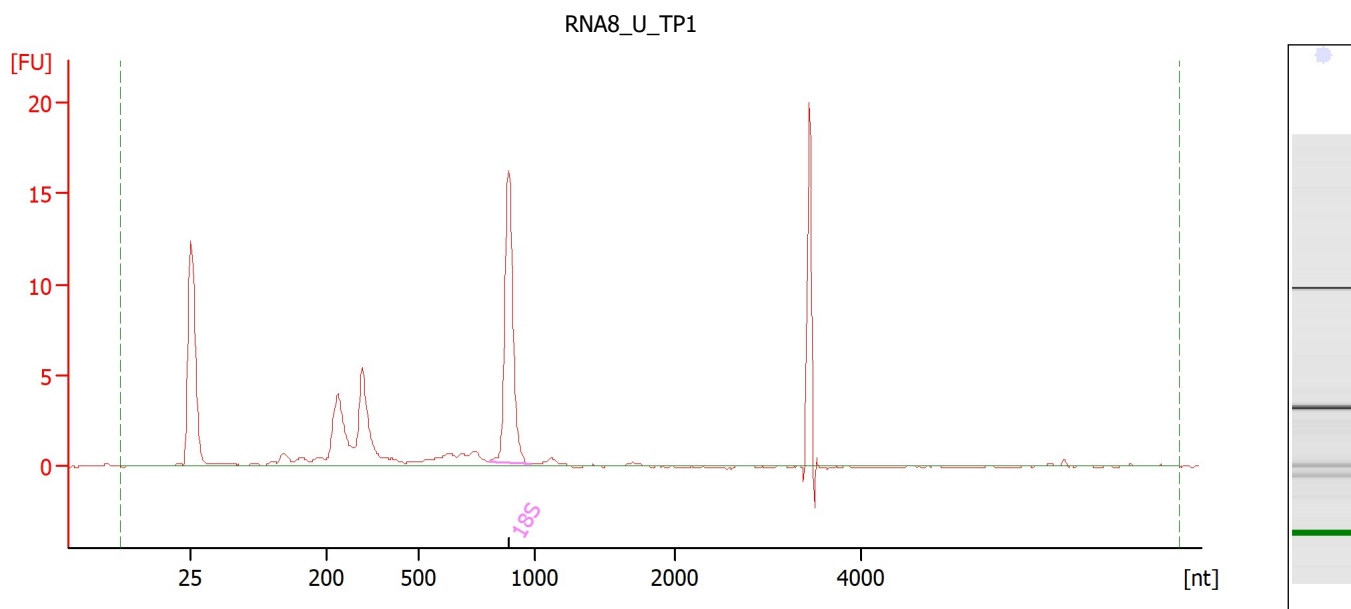
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA8_U_TP1**

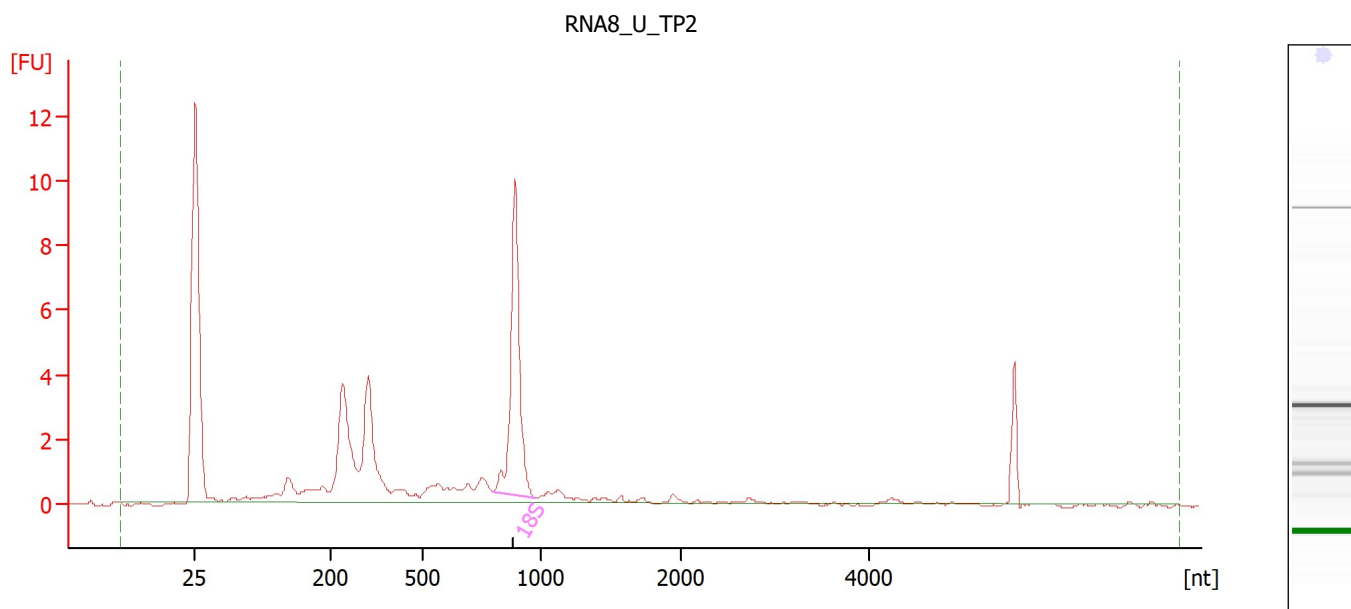
RNA Area:	59.8	RNA Integrity Number (RIN):	6.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	40 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.60

Fragment table for sample 1 : RNA8_U_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	798	982	18.2	30.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA8_U_TP2**

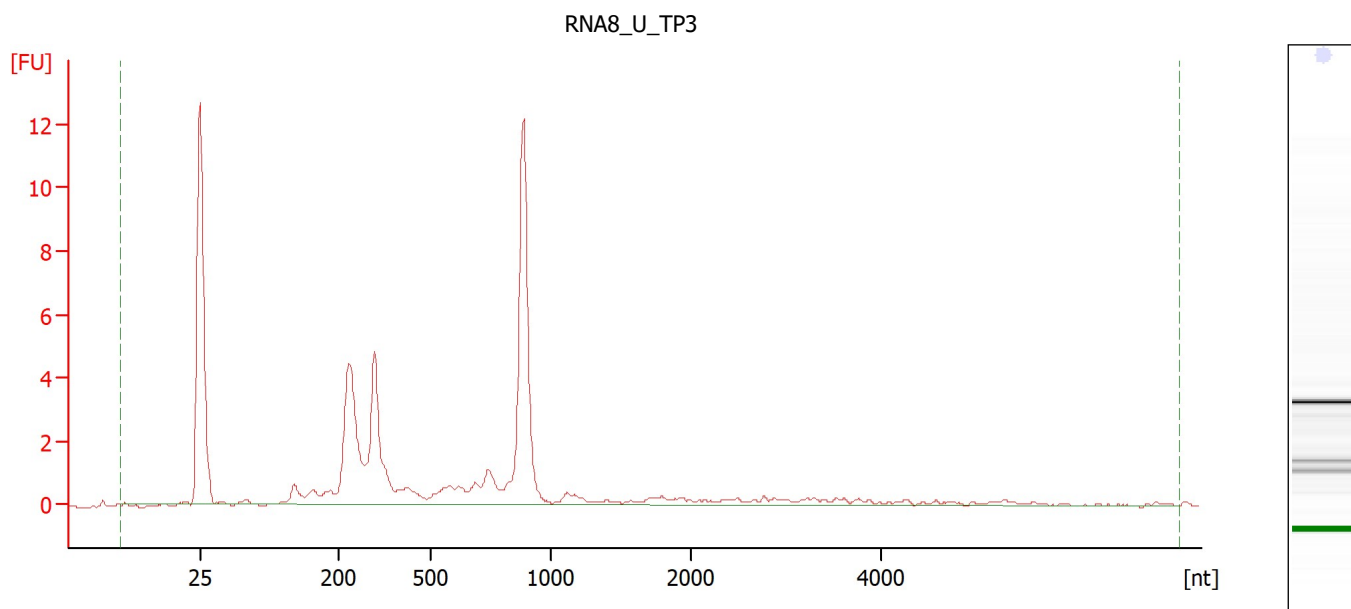
RNA Area:	45.8	RNA Integrity Number (RIN):	6.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	31 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 20px; height: 10px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.80

Fragment table for sample 2 : RNA8_U_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	795	972	12.1	26.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA8_U_TP3**

RNA Area: 52.0

RNA Concentration: 35 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:

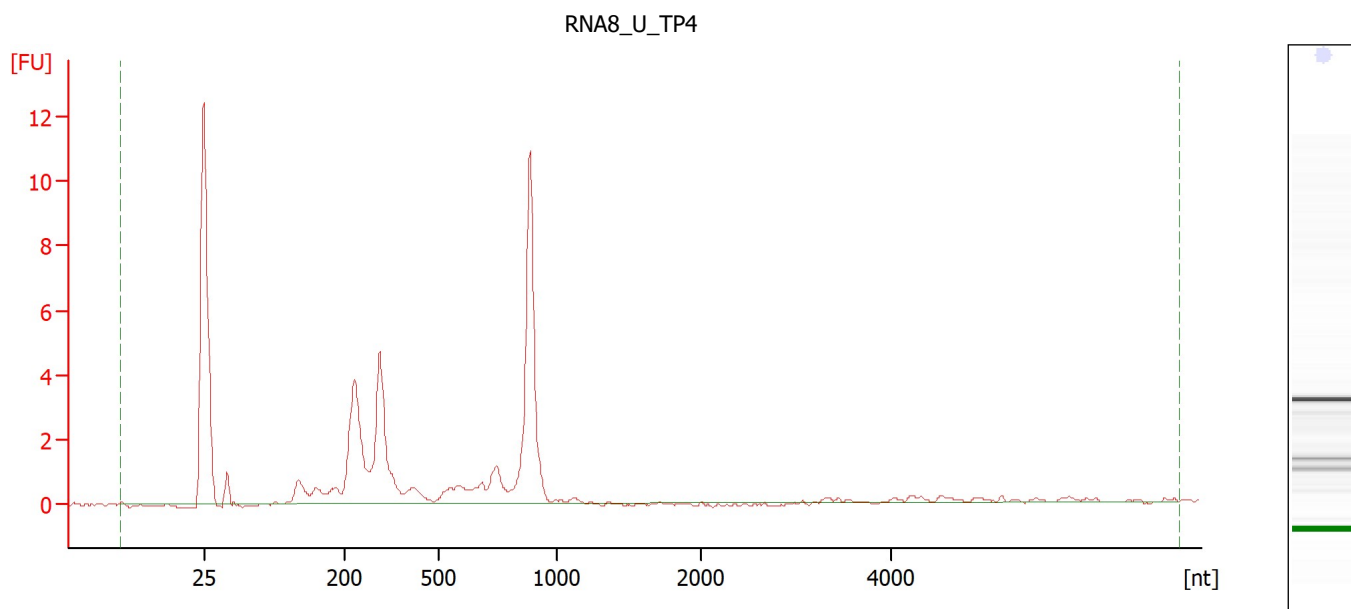


Result Flagging Label:

RIN: 1.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

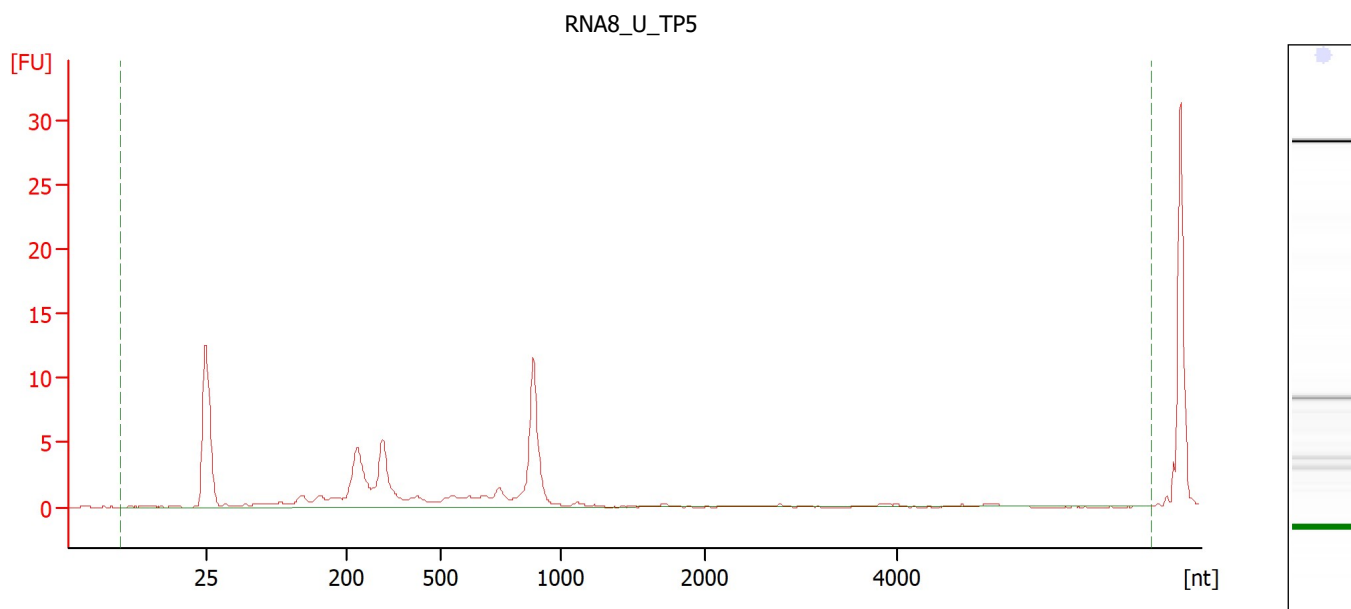
Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA8_U_TP4**

RNA Area:	41.7	RNA Integrity Number (RIN):	1.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	28 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

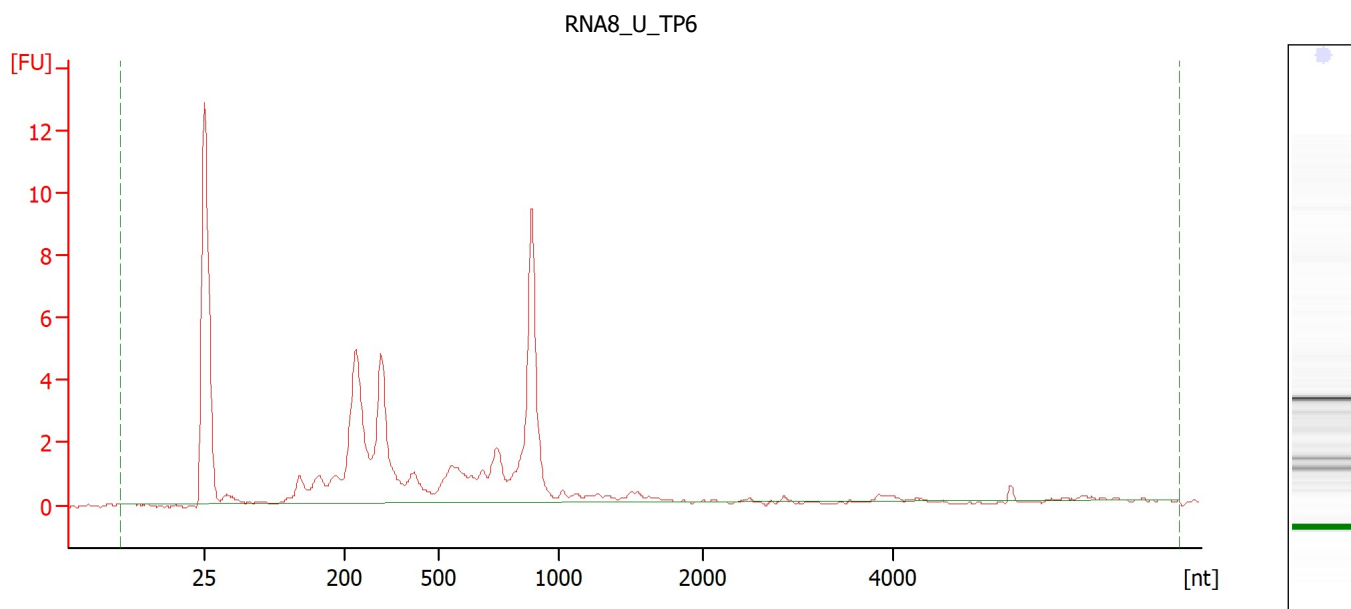
Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA8_U_TP5**

RNA Area:	59.4	RNA Integrity Number (RIN):	1.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	40 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: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

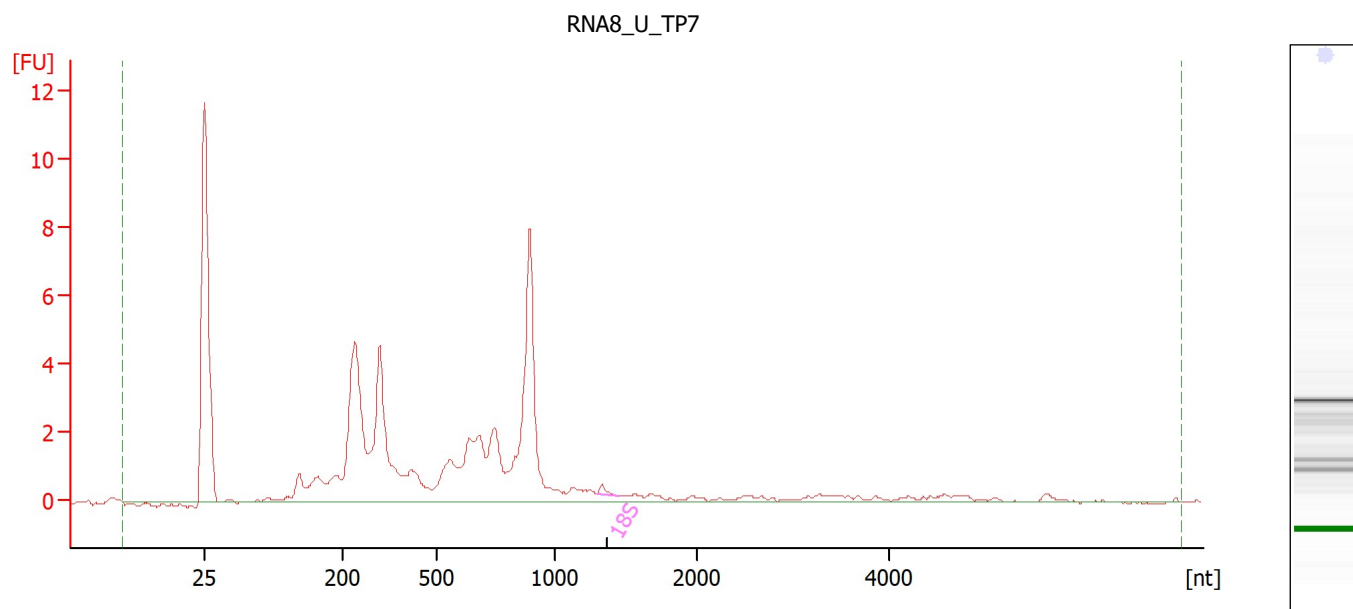
Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA8_U_TP6**

RNA Area:	56.0	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	38 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: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA8_U_TP7**

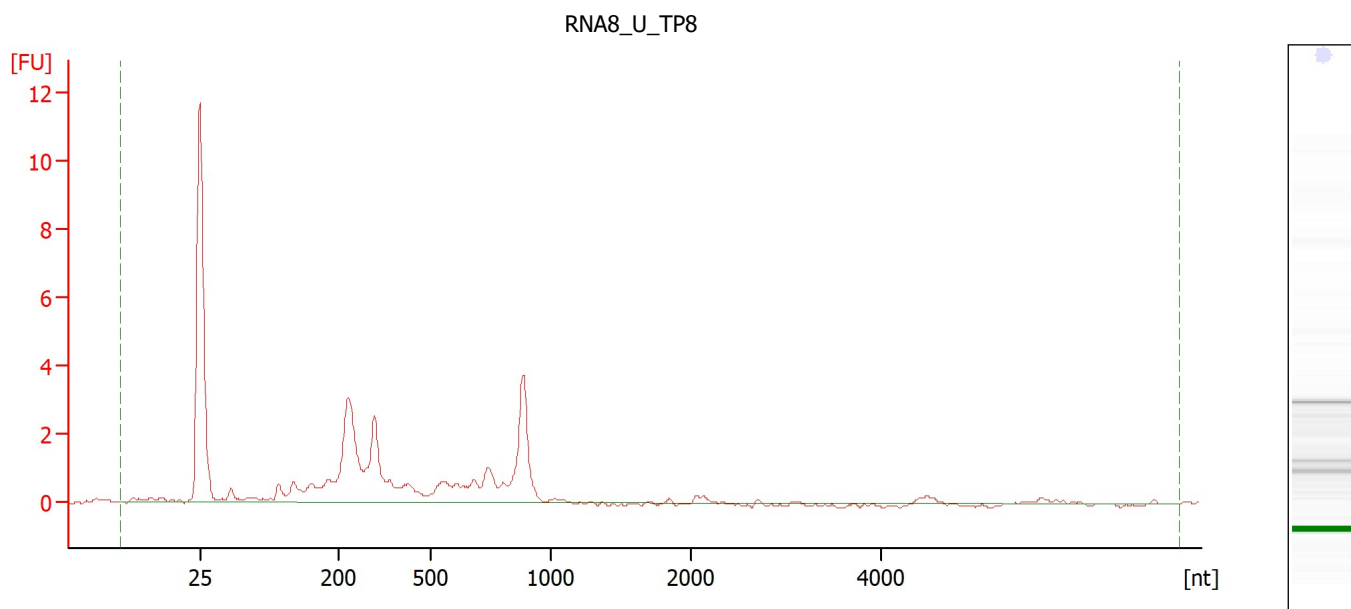
RNA Area:	59.5	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	40 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Fragment table for sample 7 : RNA8_U_TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,286	1,444	0.2	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

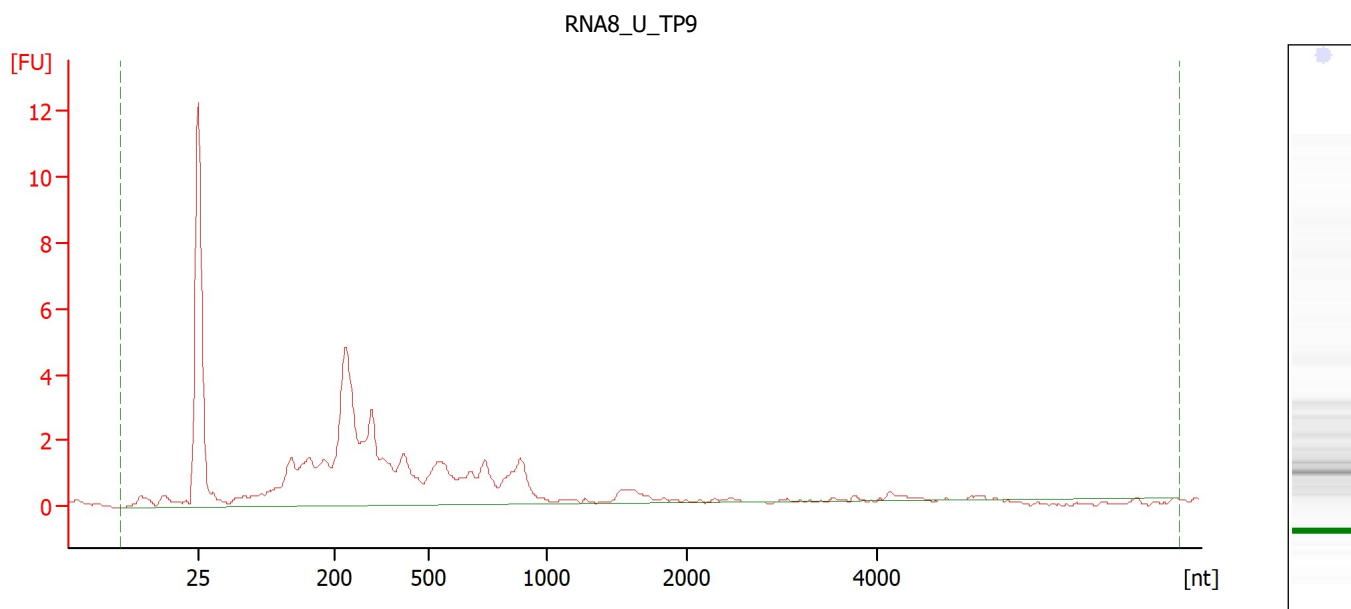
Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA8_U_TP8**

RNA Area:	35.0	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:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

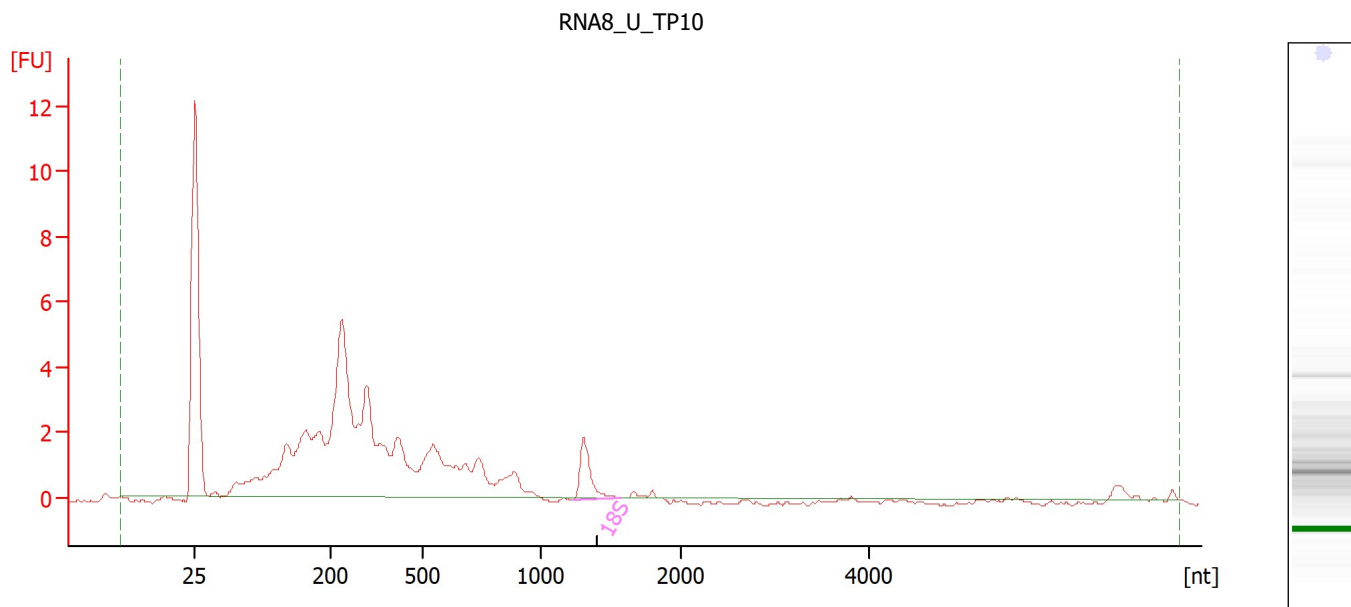
Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA8_U_TP9**

RNA Area:	60.1	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:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA8 U TP10**

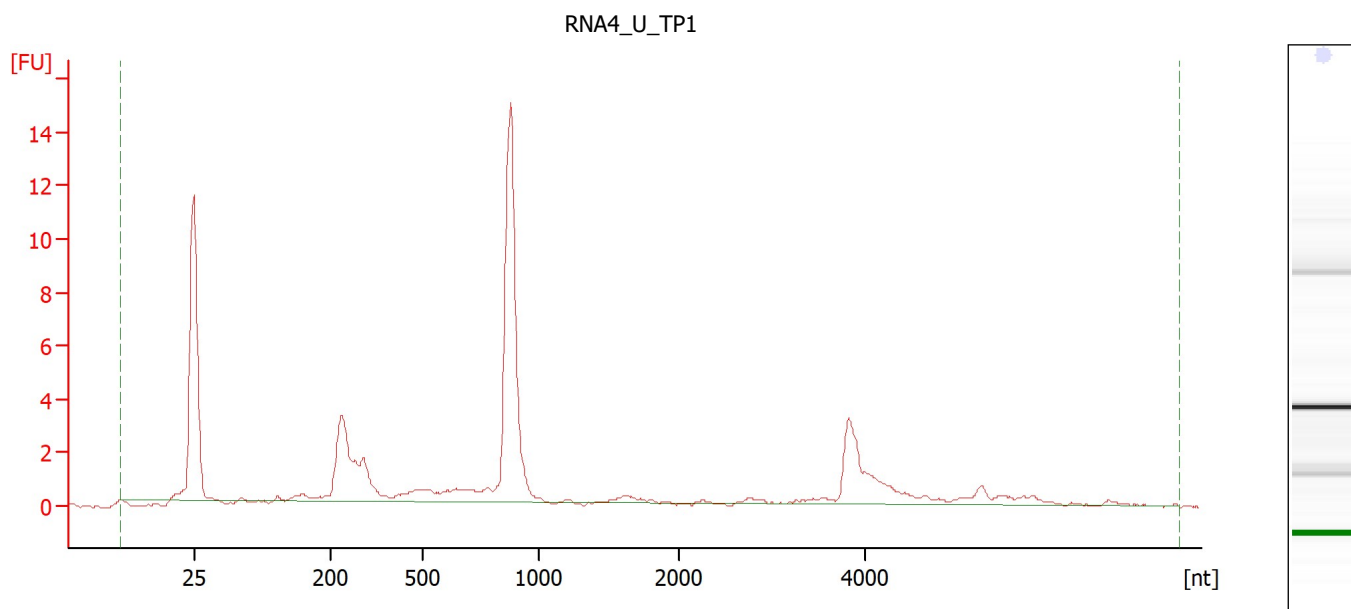
RNA Area:	65.0	RNA Integrity Number (RIN):	3.5 (B.02.10)
RNA Concentration:	44 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

Fragment table for sample 10 : RNA8 U TP10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,229	1,572	2.6	3.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA4 U TP1**

RNA Area: 52.4

RNA Concentration: 36 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

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

Result Flagging Color:



Result Flagging Label:

RIN: 4.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-22\Eukaryote Total RNA Nano_2020-10-22_11-27-32.xad

Created: 10/22/2020 11:27:31 AM
Modified: 10/22/2020 11:56:41 AM

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