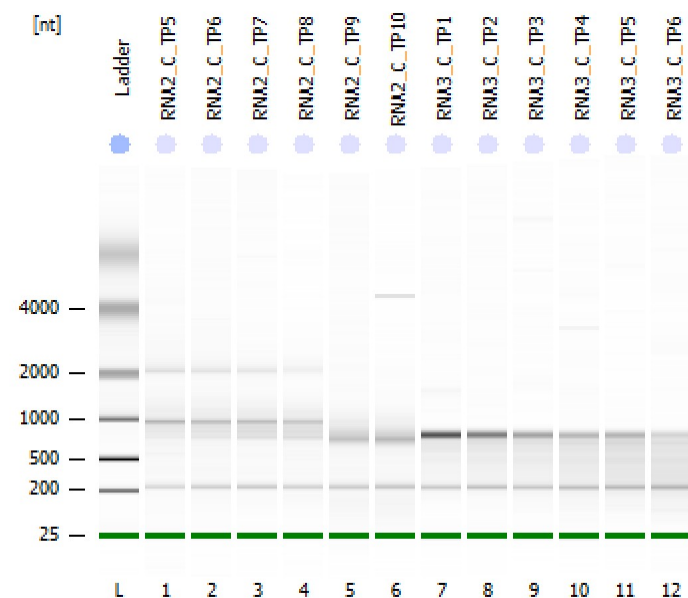


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 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)

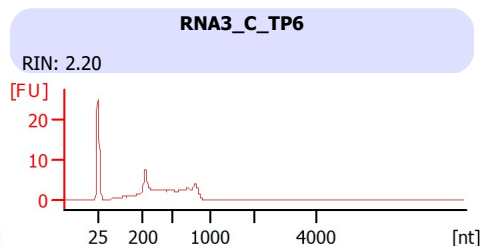
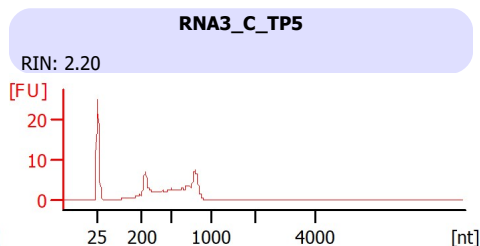
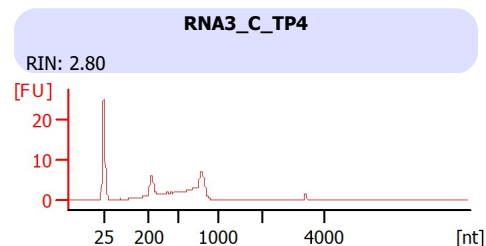
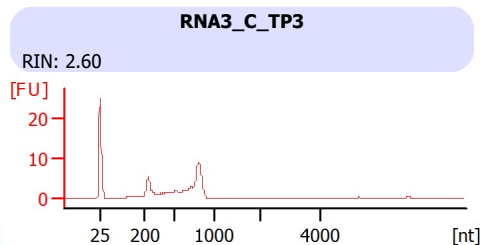
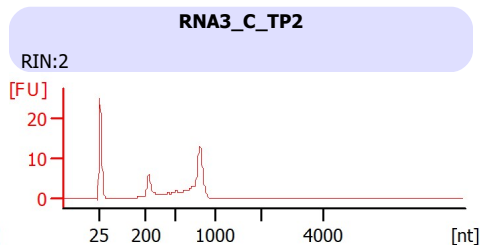
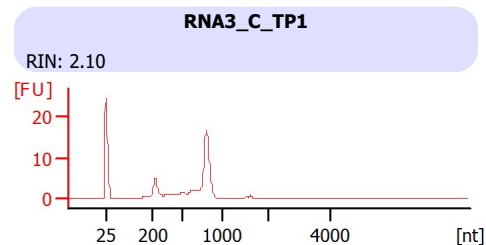
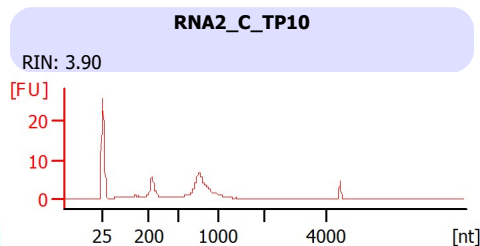
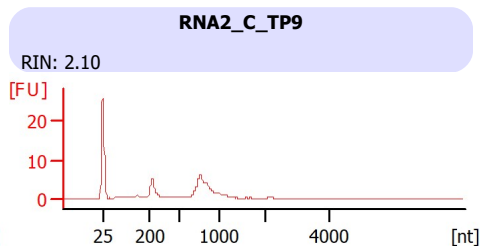
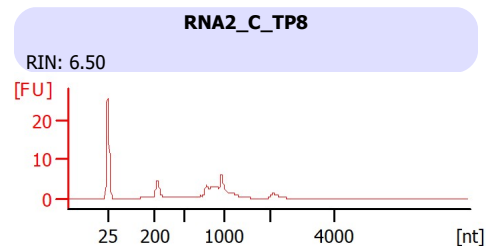
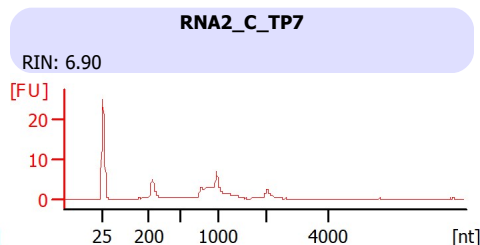
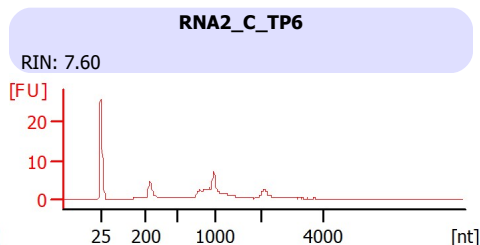
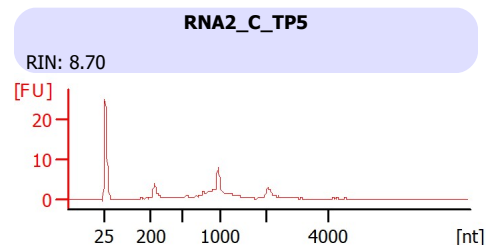
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Chip Information:

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_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA2_C_TP5		✓	RIN: 8.70	
RNA2_C_TP6		✓	RIN: 7.60	
RNA2_C_TP7		✓	RIN: 6.90	
RNA2_C_TP8		✓	RIN: 6.50	
RNA2_C_TP9		✓	RIN: 2.10	
RNA2_C_TP10		✓	RIN: 3.90	
RNA3_C_TP1		✓	RIN: 2.10	
RNA3_C_TP2		✓	RIN: 2	
RNA3_C_TP3		✓	RIN: 2.60	
RNA3_C_TP4		✓	RIN: 2.80	
RNA3_C_TP5		✓	RIN: 2.20	
RNA3_C_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_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ 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

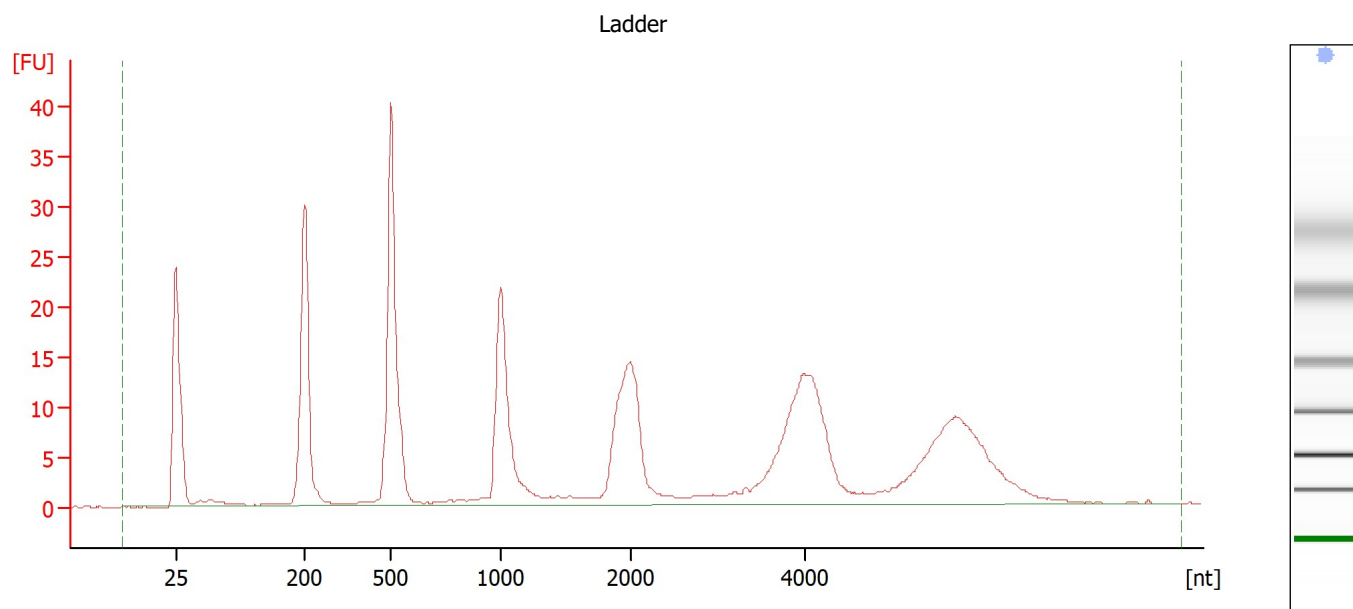
Ladder

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_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 331.7

Result Flagging Color:



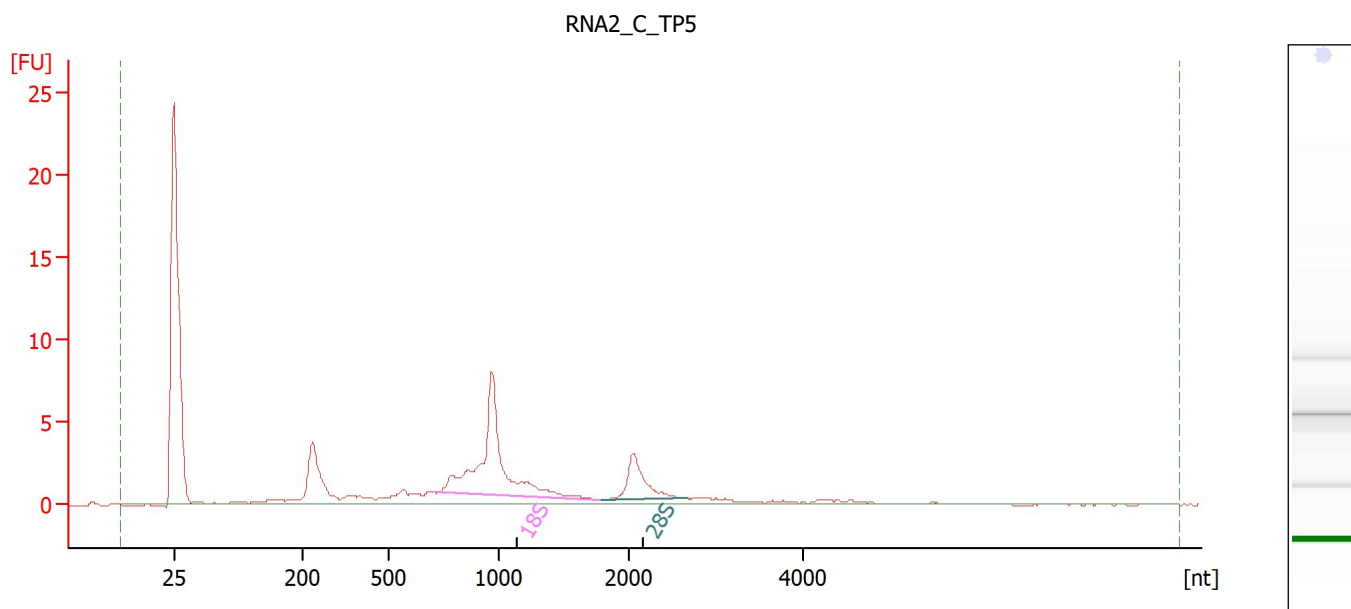
RNA Concentration: 150 ng/μl

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_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA2_C_TP5**

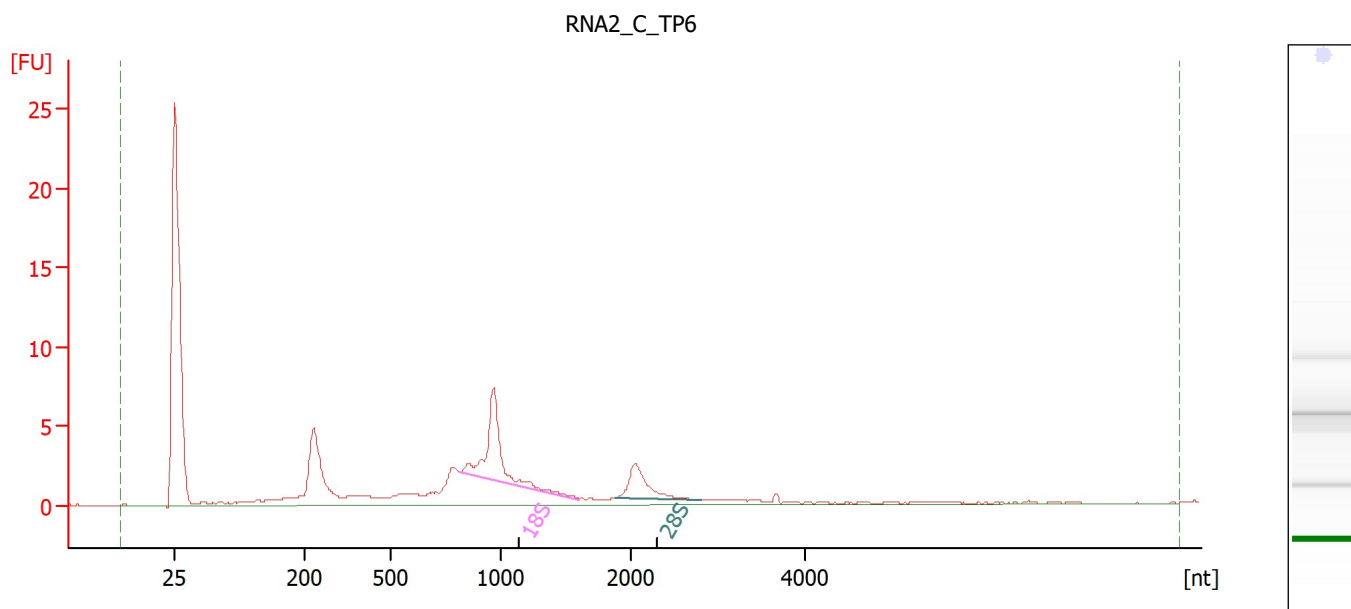
RNA Area:	65.9	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	30 ng/μl		
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.70

Fragment table for sample 1 : RNA2_C_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	708	1,776	22.4	34.1
28S	1,793	2,662	6.0	9.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA2_C_TP6**

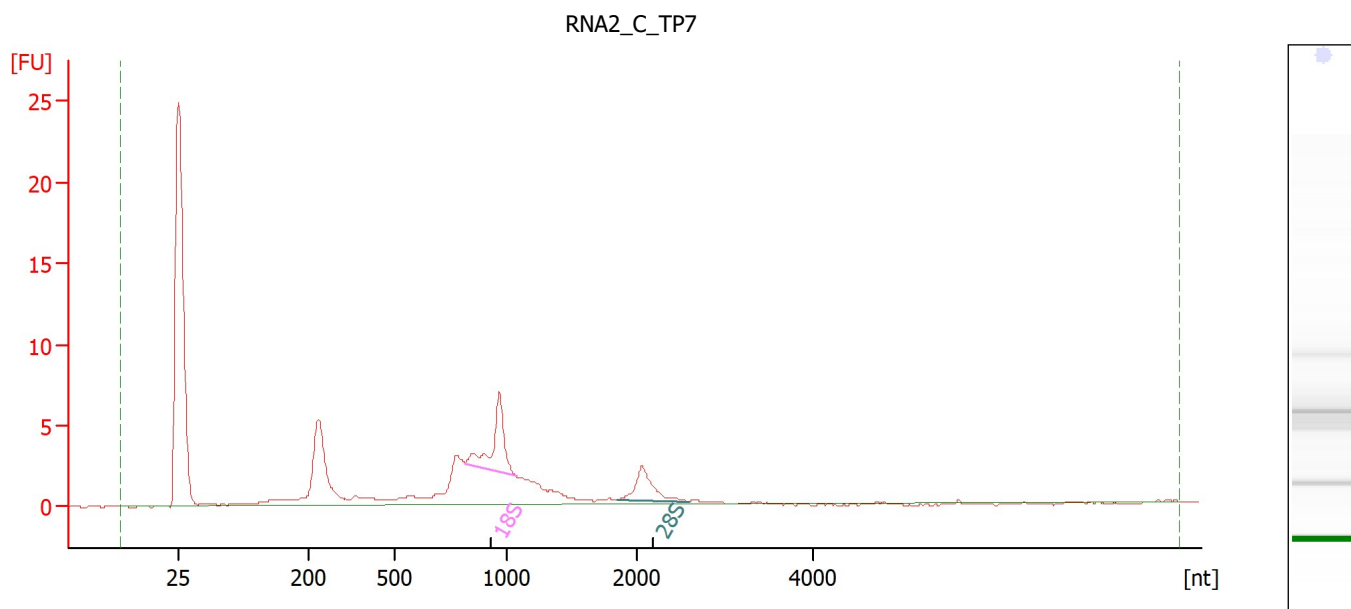
RNA Area:	72.2	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	33 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 7.60

Fragment table for sample 2 : RNA2_C_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	812	1,604	11.2	15.5
28S	1,876	2,808	5.1	7.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA2_C_TP7**

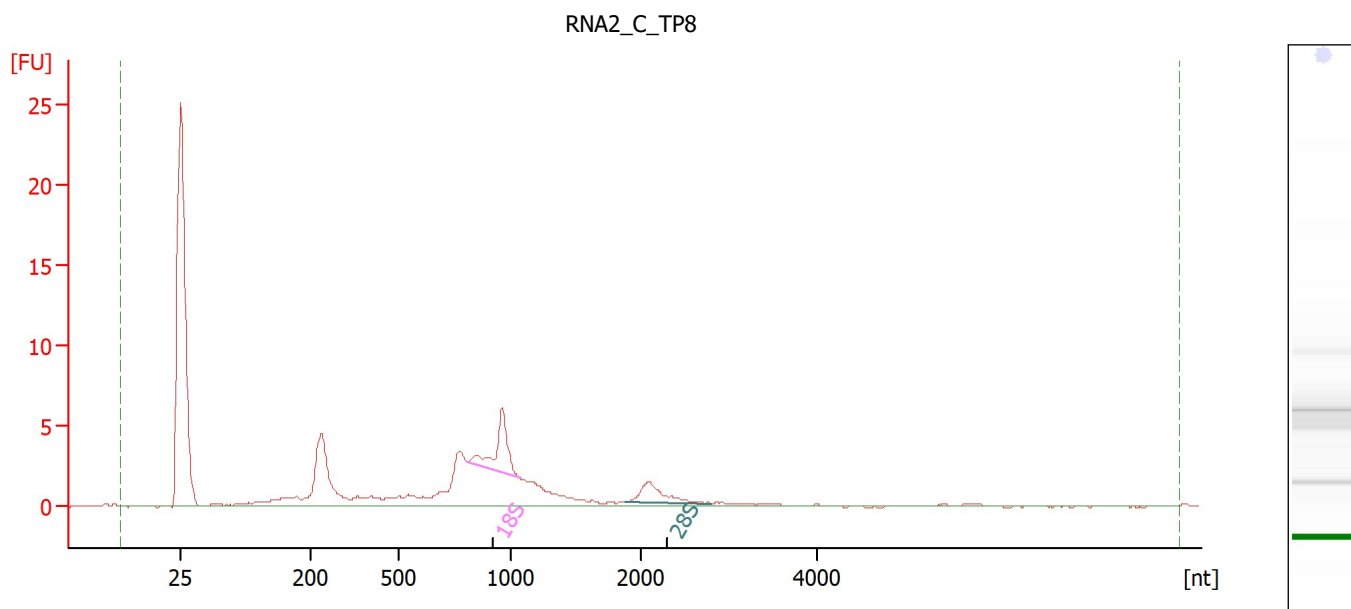
RNA Area:	62.2	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 6.90

Fragment table for sample 3 : RNA2_C_TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	813	1,075	8.2	13.1
28S	1,845	2,585	4.5	7.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA2_C_TP8**

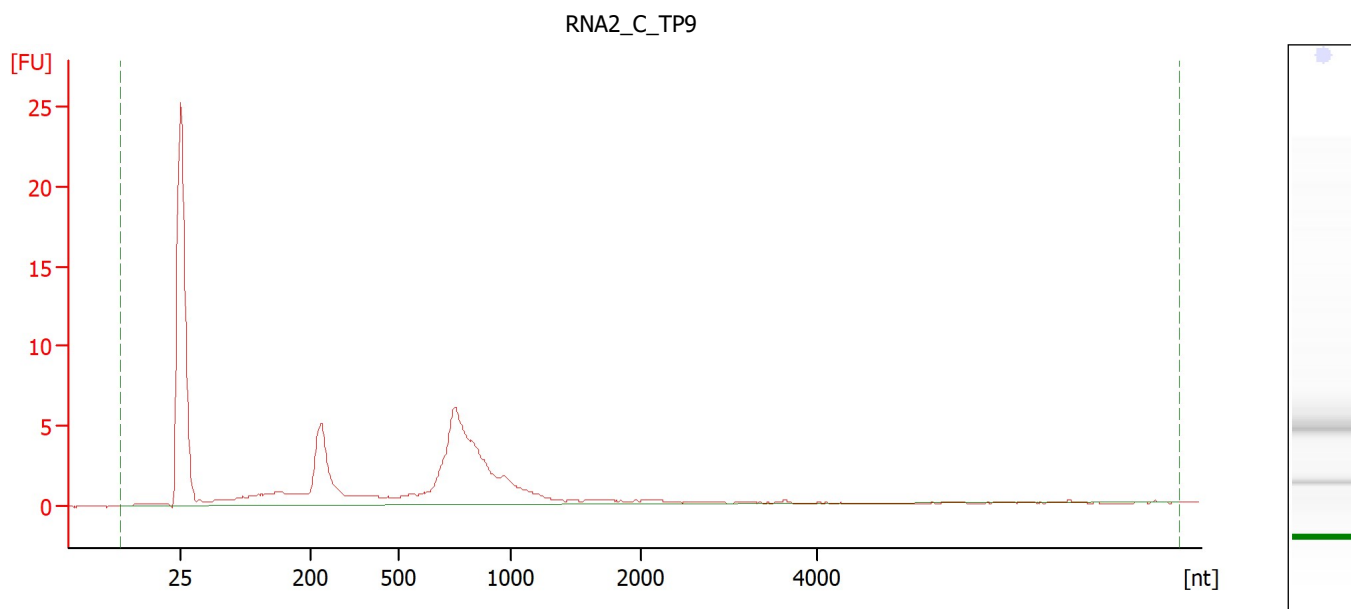
RNA Area:	66.5	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	30 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 6.50

Fragment table for sample 4 : RNA2_C_TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	807	1,080	7.0	10.5
28S	1,871	2,801	3.4	5.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

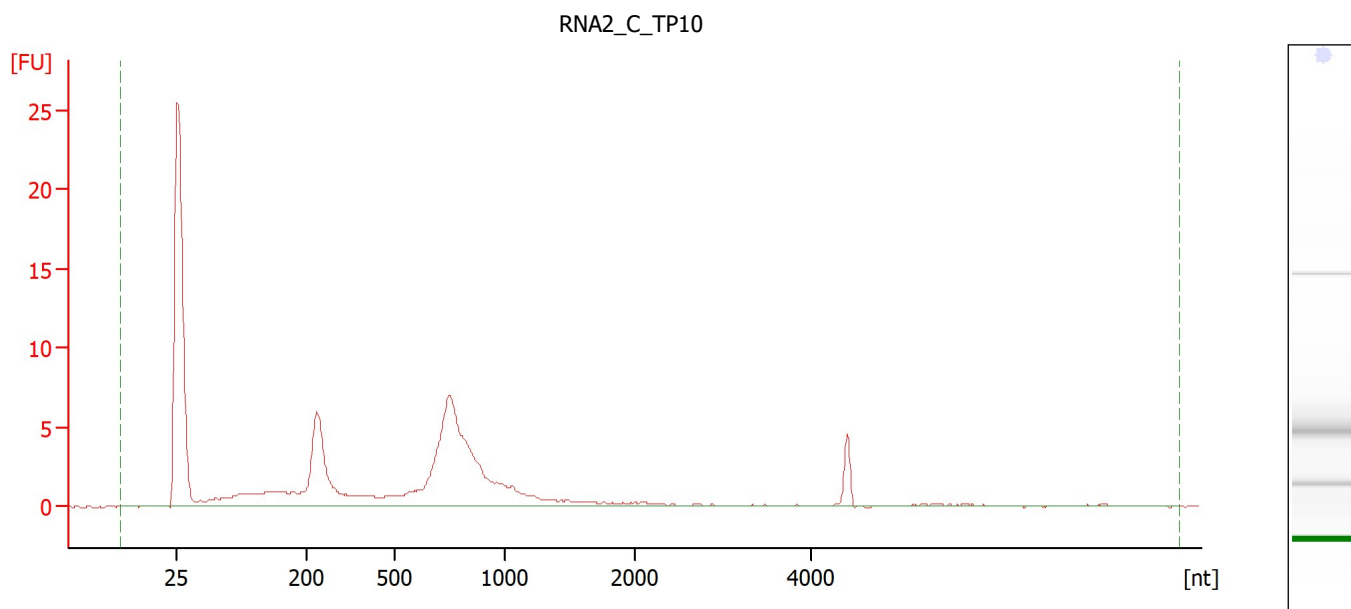
Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA2_C_TP9**

RNA Area:	73.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	33 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: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

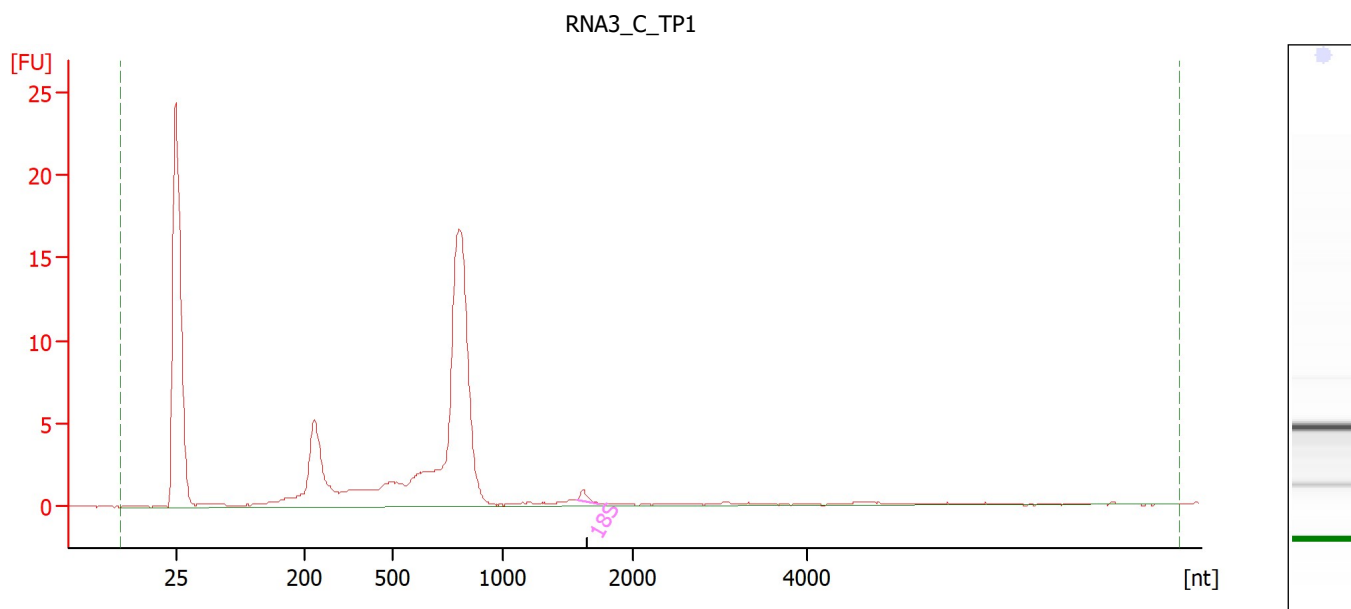
Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA2_C_TP10**

RNA Area:	83.3	RNA Integrity Number (RIN):	3.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	38 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: 3.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA3_C_TP1**

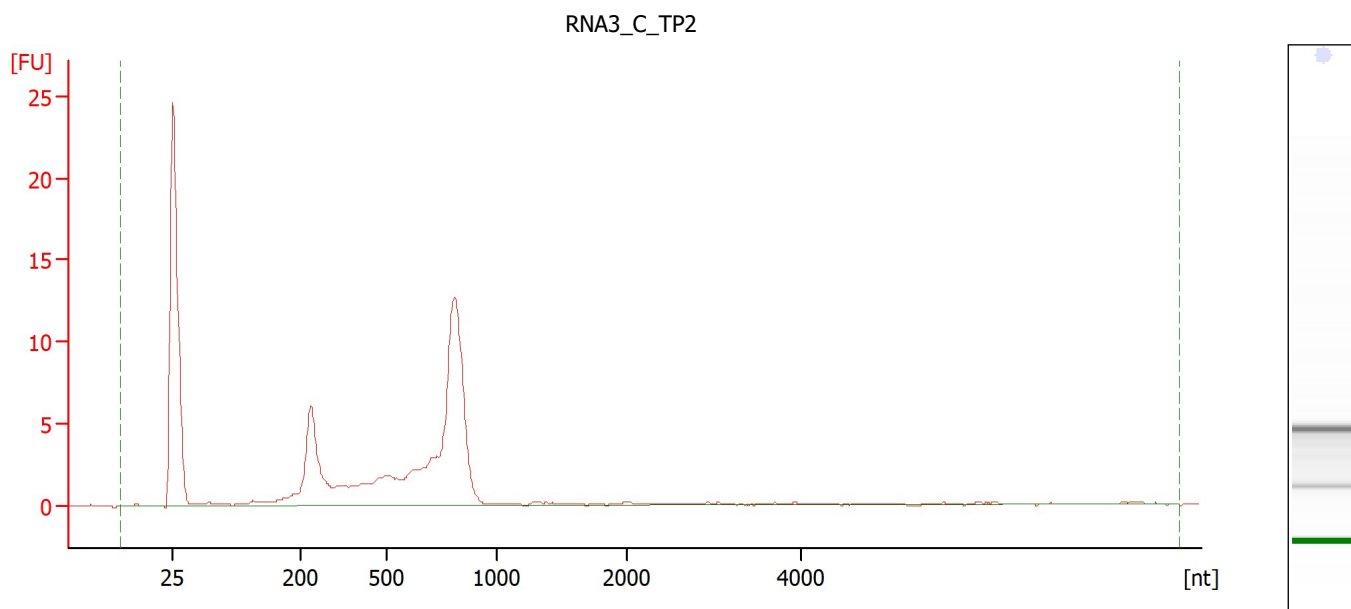
RNA Area:	88.5	RNA Integrity Number (RIN):	2.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	40 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.10

Fragment table for sample 7 : RNA3_C_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	1,745	0.6	0.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA3_C_TP2**

RNA Area: 82.7

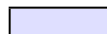
RNA Integrity Number (RIN):

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

RNA Concentration: 37 ng/μl

rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:

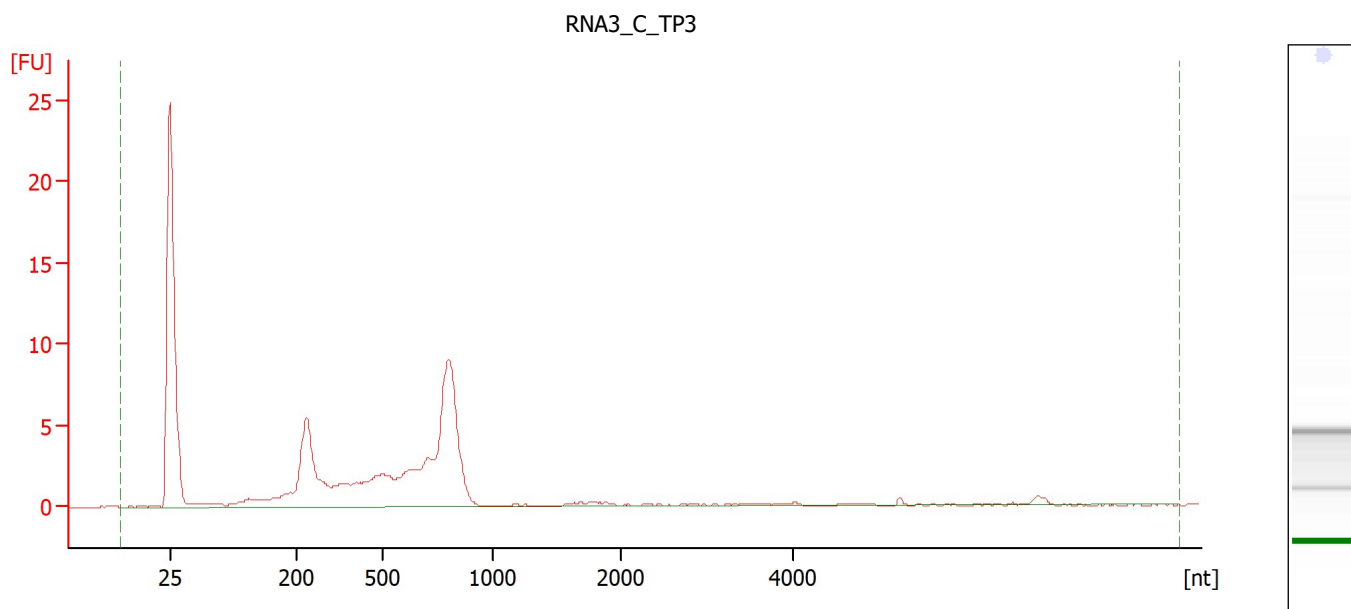


Result Flagging Label:

RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

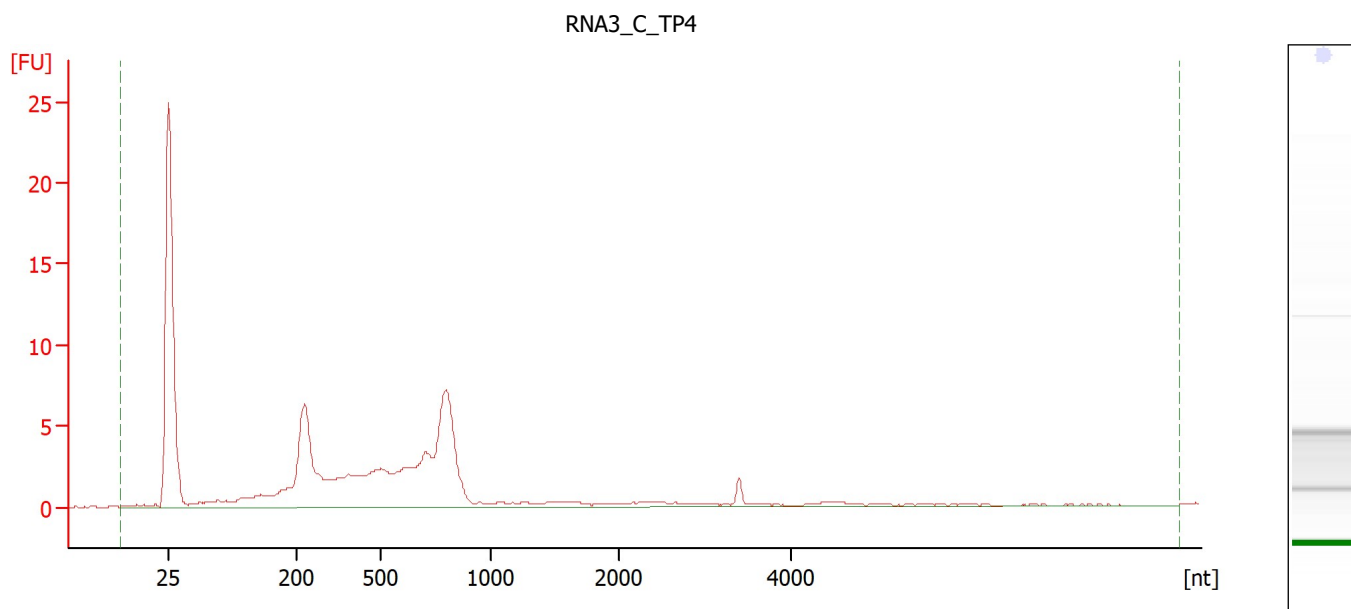
Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA3_C_TP3**

RNA Area:	80.2	RNA Integrity Number (RIN):	2.6 (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: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

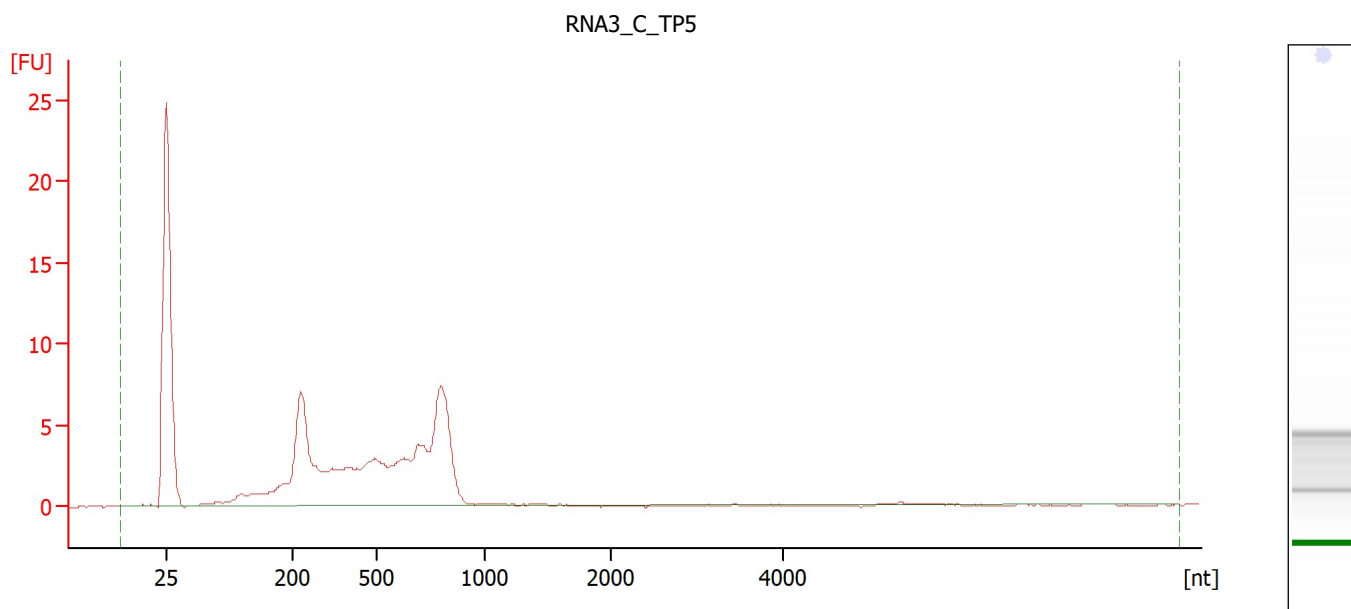
Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA3_C_TP4**

RNA Area:	91.7	RNA Integrity Number (RIN):	2.8 (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: 2.80

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

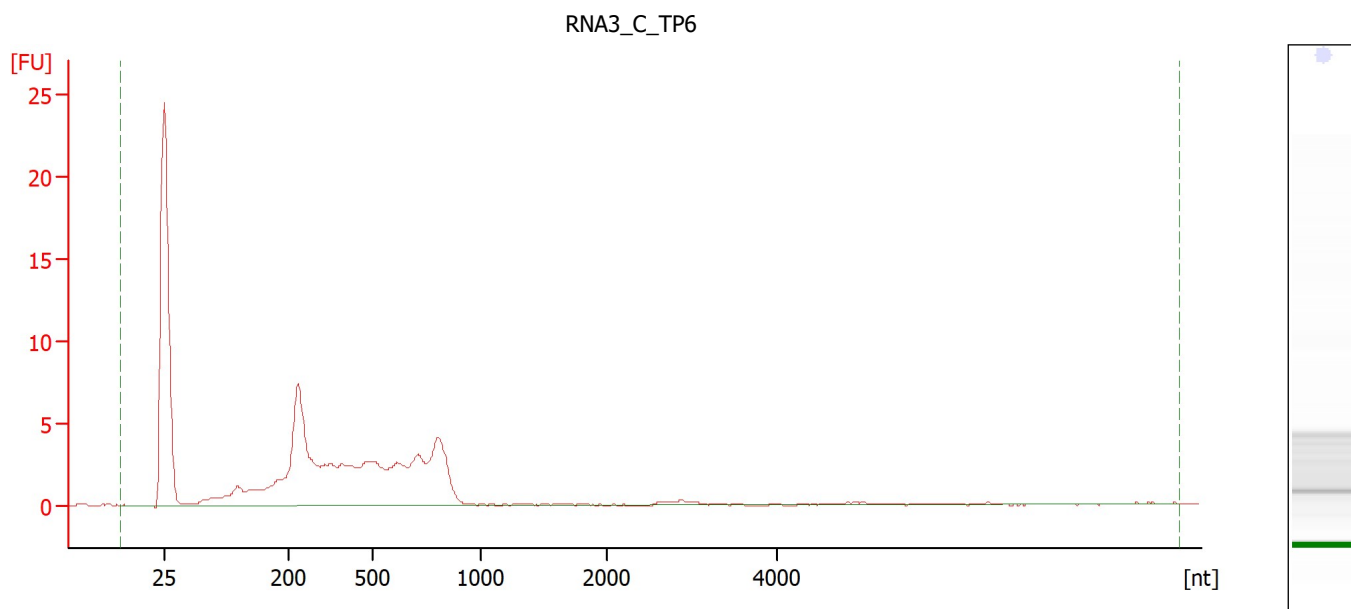
Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

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

RNA Area:	92.0	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	42 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_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : RNA3_C_TP6**

RNA Area:	89.8	RNA Integrity Number (RIN):	2.2 (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: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-34-50.xad

Created: 10/21/2020 4:34:49 PM
Modified: 10/21/2020 5:07:35 PM

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