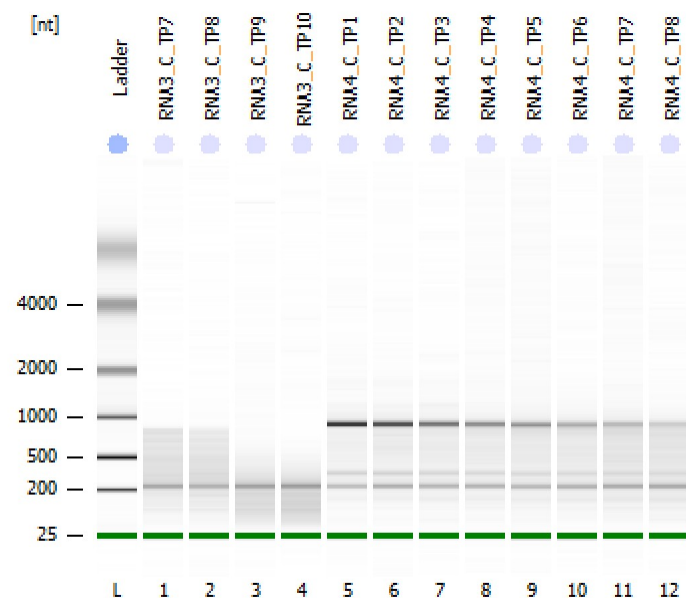


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 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)

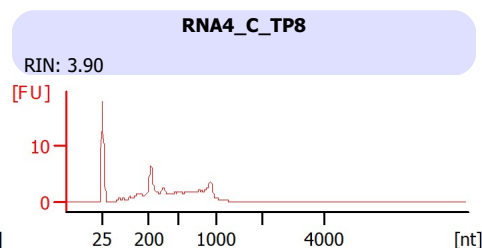
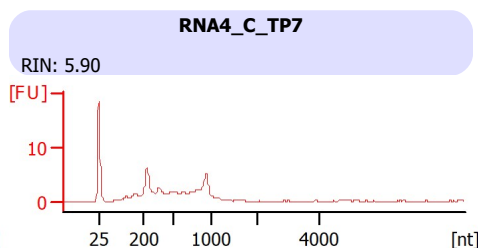
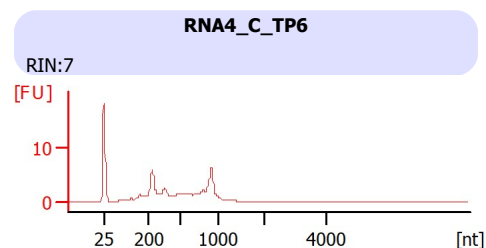
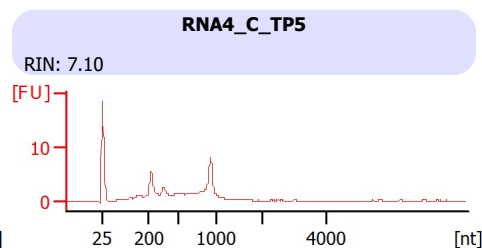
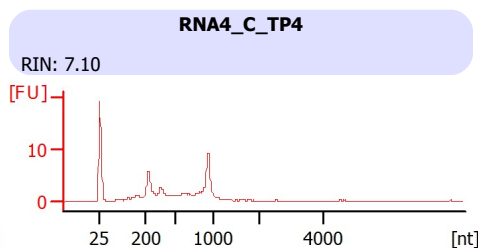
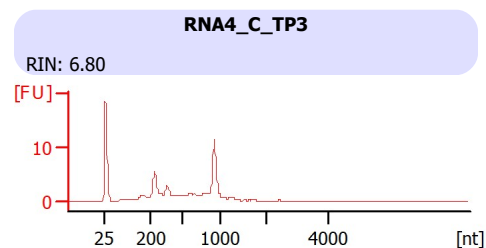
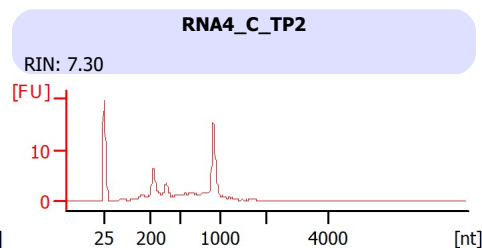
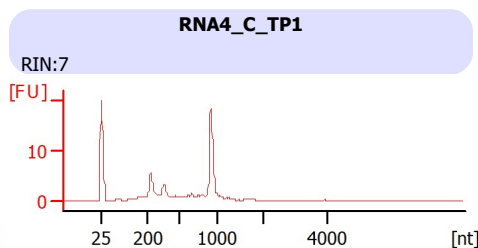
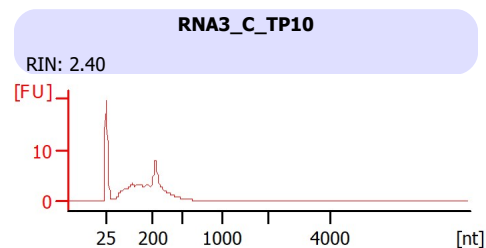
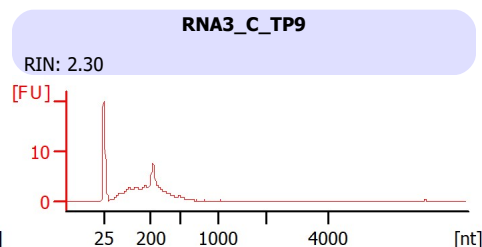
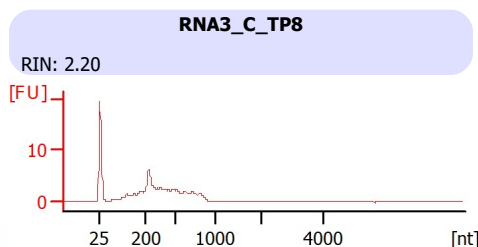
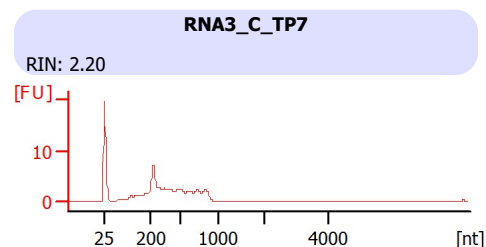
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Chip Information:

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_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA3_C_TP7		✓	RIN: 2.20	
RNA3_C_TP8		✓	RIN: 2.20	
RNA3_C_TP9		✓	RIN: 2.30	
RNA3_C_TP10		✓	RIN: 2.40	
RNA4_C_TP1		✓	RIN: 7	
RNA4_C_TP2		✓	RIN: 7.30	
RNA4_C_TP3		✓	RIN: 6.80	
RNA4_C_TP4		✓	RIN: 7.10	
RNA4_C_TP5		✓	RIN: 7.10	
RNA4_C_TP6		✓	RIN: 7	
RNA4_C_TP7		✓	RIN: 5.90	
RNA4_C_TP8		✓	RIN: 3.90	
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_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 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

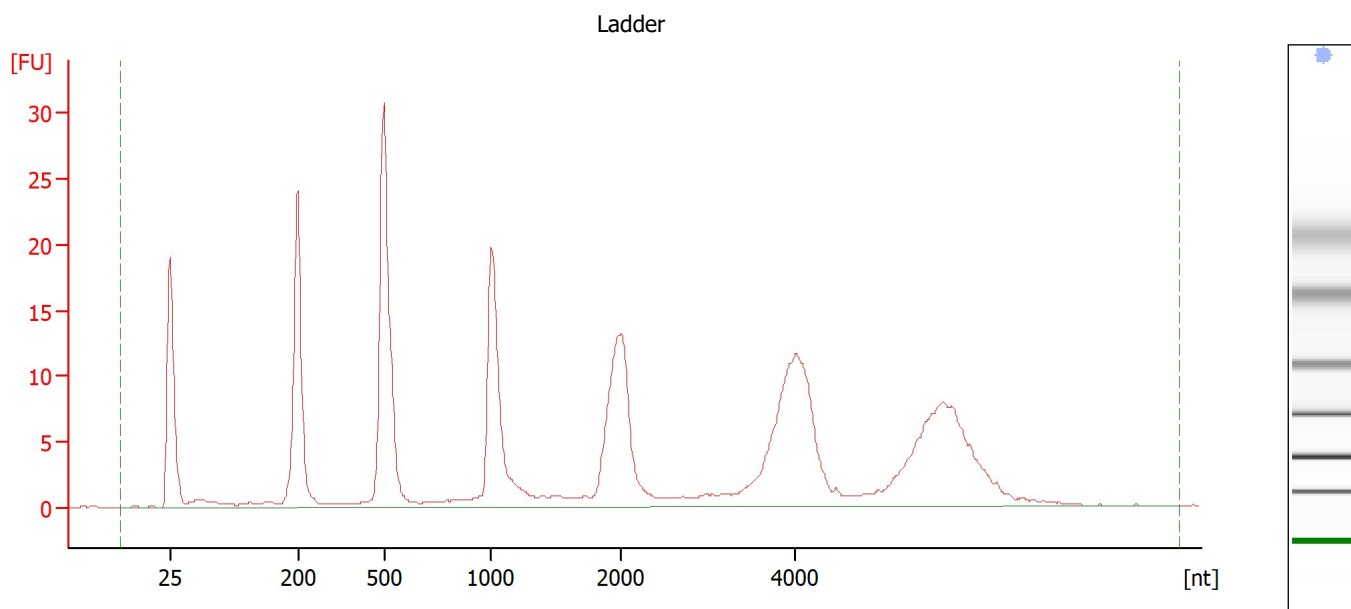
Ladder

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_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 279.3

Result Flagging Color:



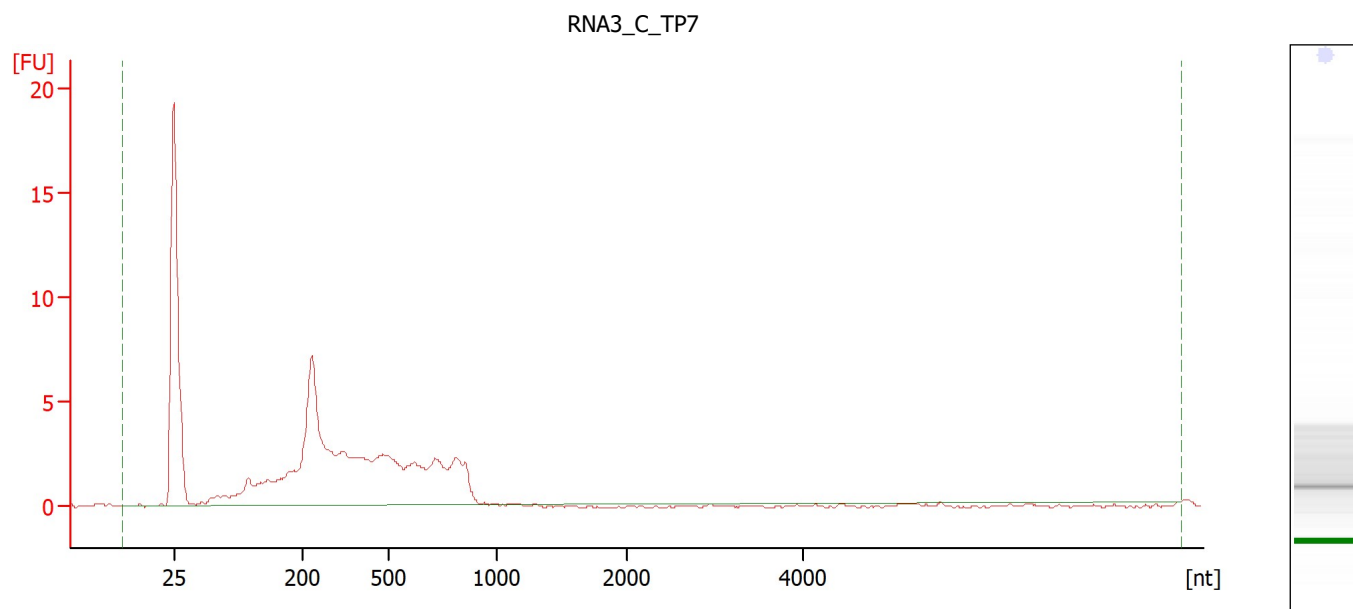
RNA Concentration: 150 ng/μl

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_16-41-52.xad

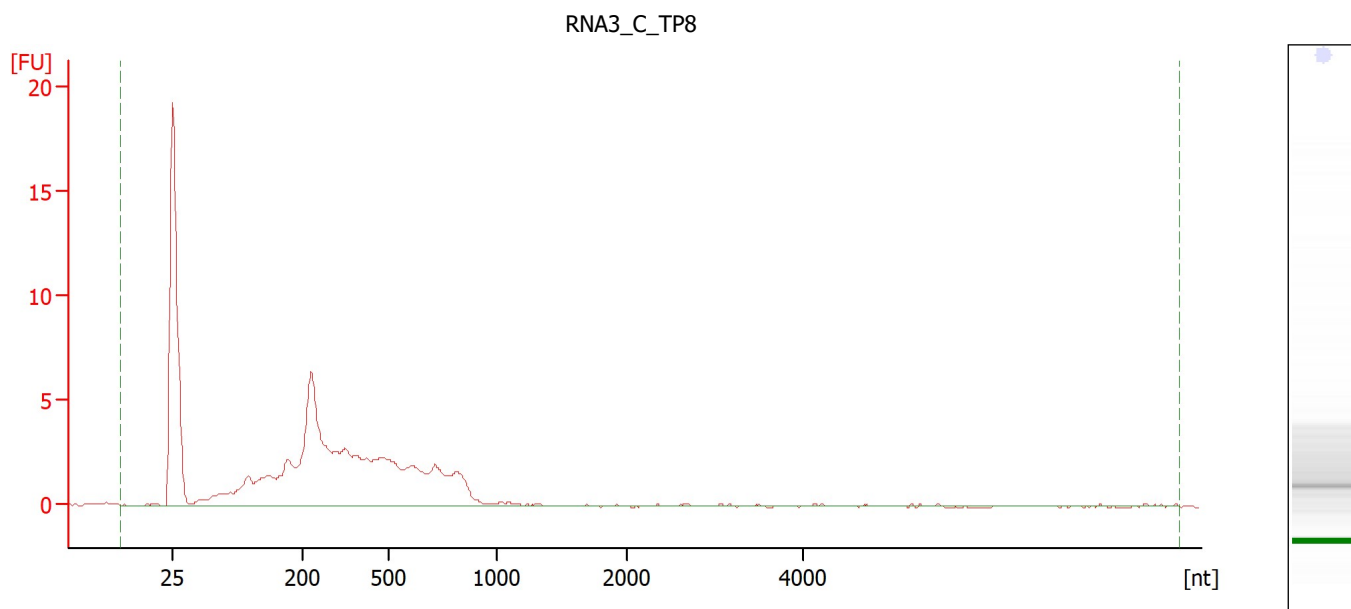
Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA3_C_TP7**

RNA Area:	80.9	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	43 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_16-41-52.xad

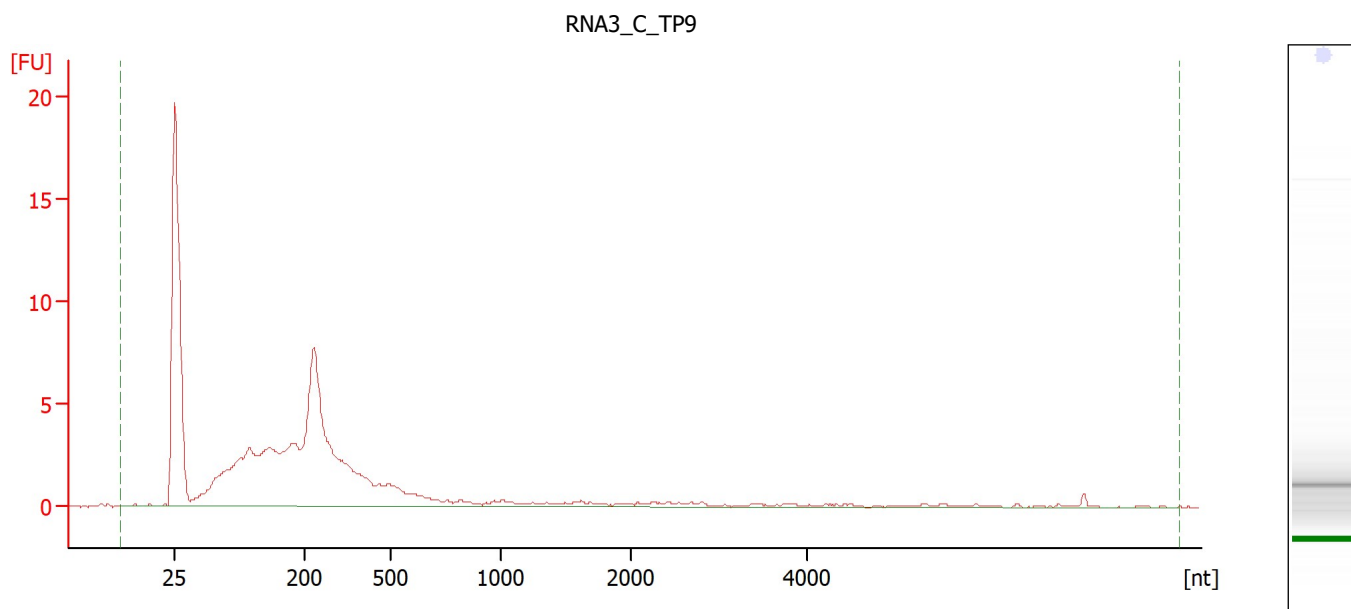
Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA3_C_TP8**

RNA Area:	79.9	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	43 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_16-41-52.xad

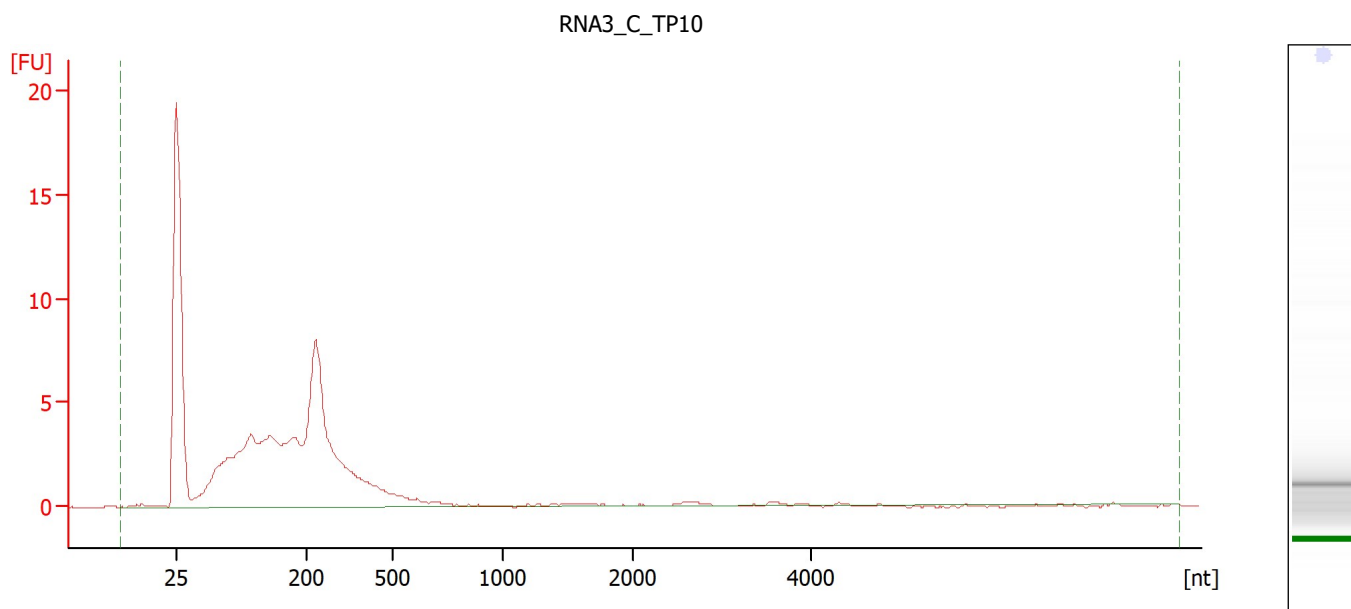
Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA3_C_TP9**

RNA Area:	92.9	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	50 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_16-41-52.xad

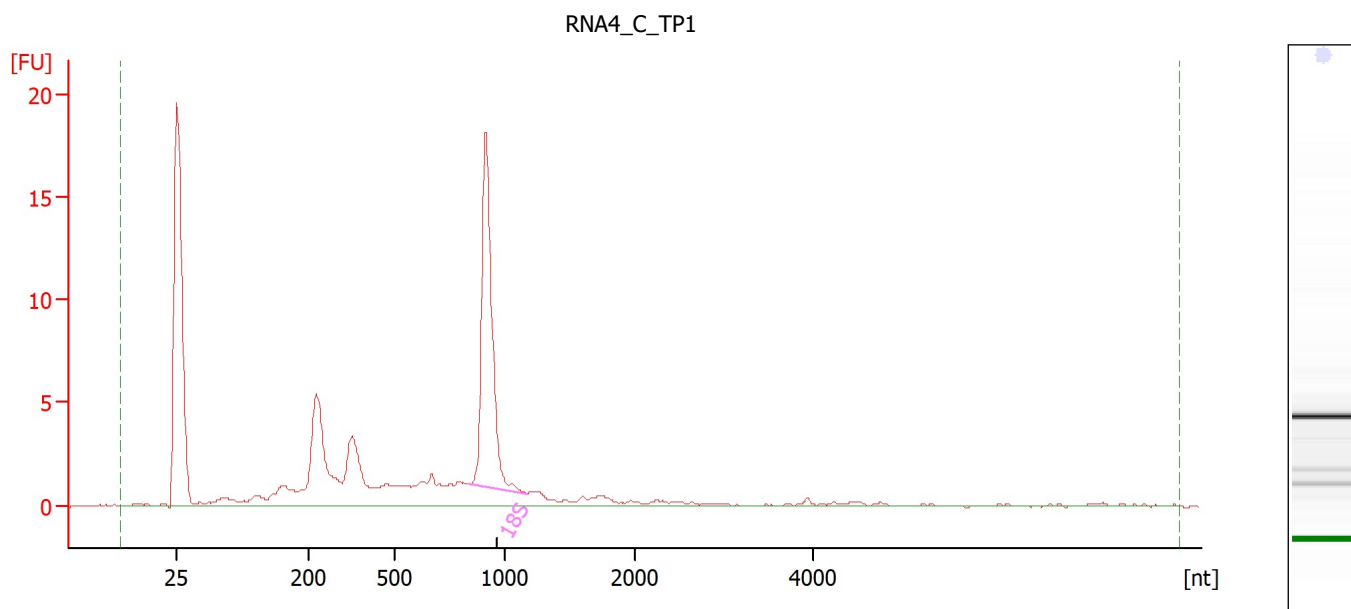
Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA3_C_TP10**

RNA Area:	89.7	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	48 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: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA4_C_TP1**

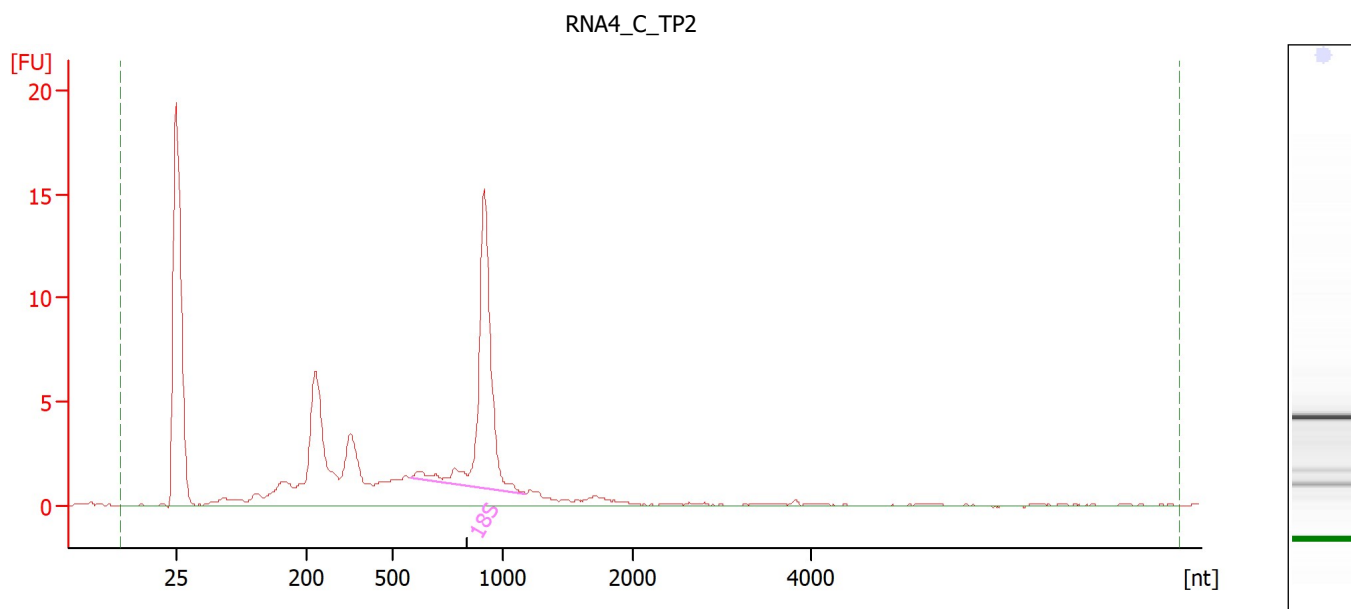
RNA Area:	85.2	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	46 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN:7

Fragment table for sample 5 : RNA4_C_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	840	1,172	26.5	31.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA4_C_TP2**

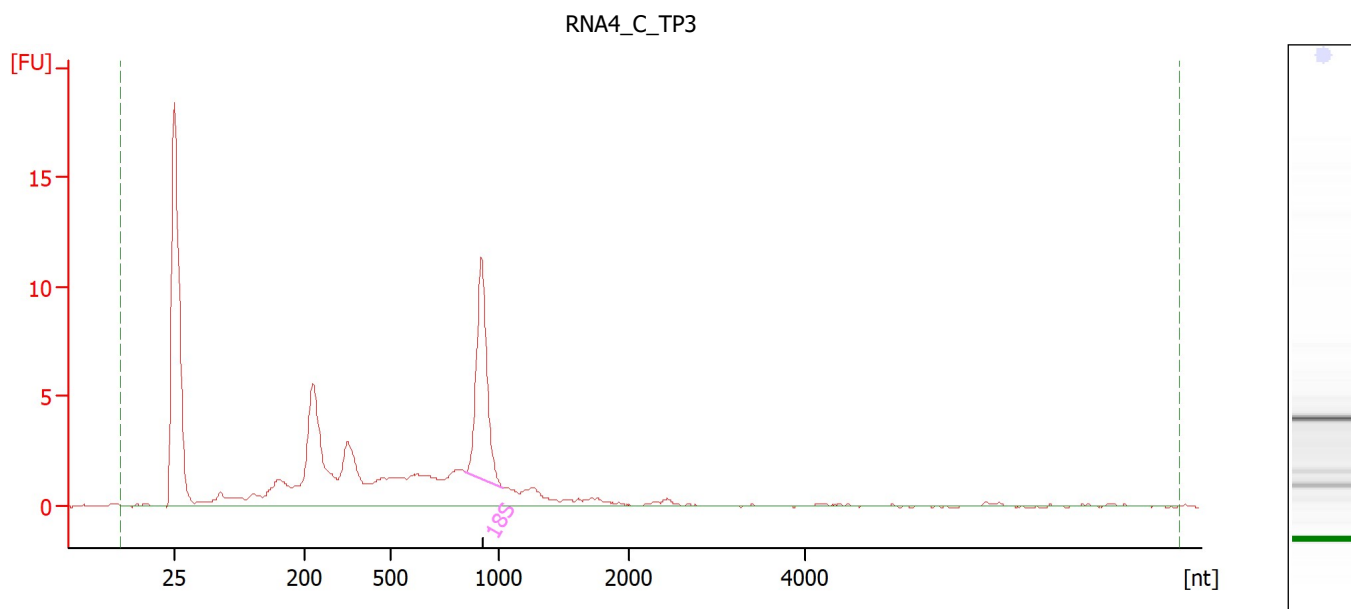
RNA Area:	92.5	RNA Integrity Number (RIN):	7.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	50 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.30

Fragment table for sample 6 : RNA4_C_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	579	1,170	27.0	29.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA4_C_TP3**

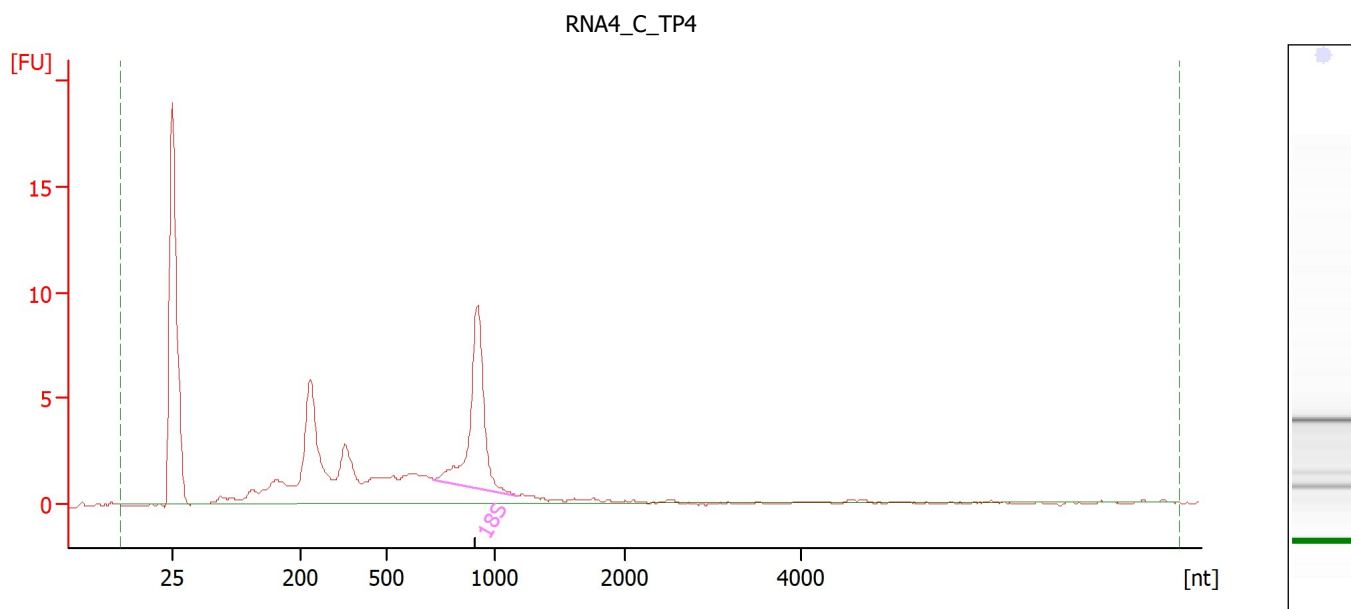
RNA Area:	81.2	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	44 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

Fragment table for sample 7 : RNA4_C_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	844	1,034	15.8	19.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA4_C_TP4**

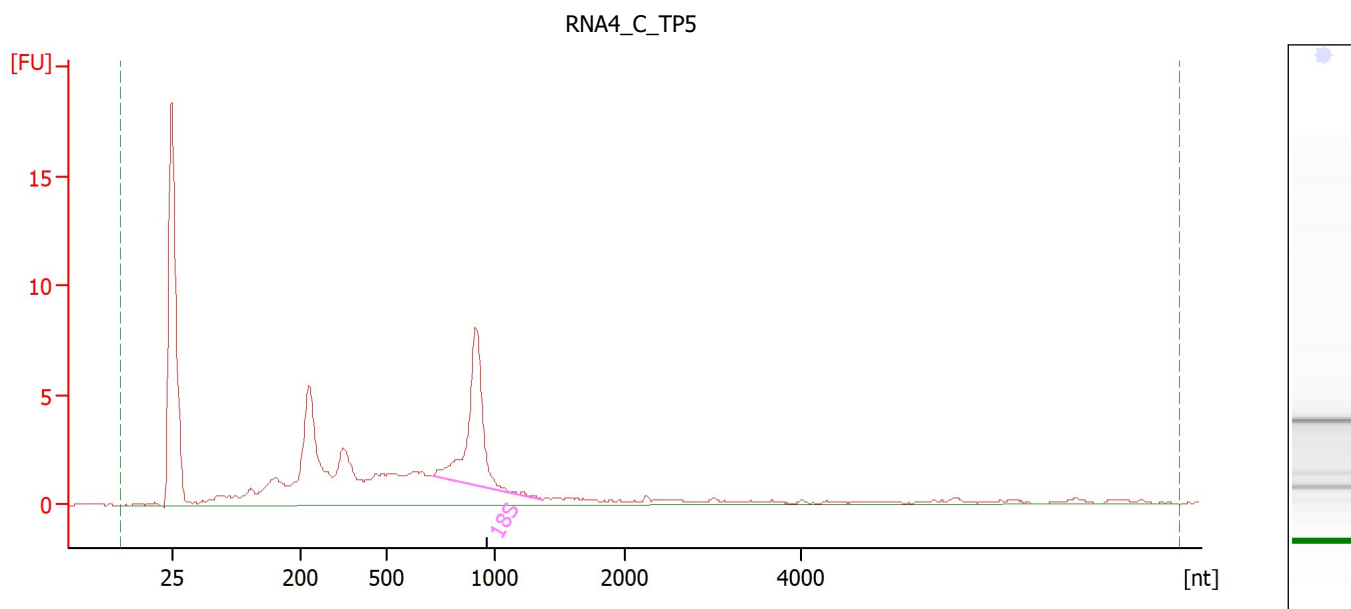
RNA Area:	75.3	RNA Integrity Number (RIN):	7.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	40 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.10

Fragment table for sample 8 : RNA4_C_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	712	1,161	17.4	23.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA4_C_TP5**

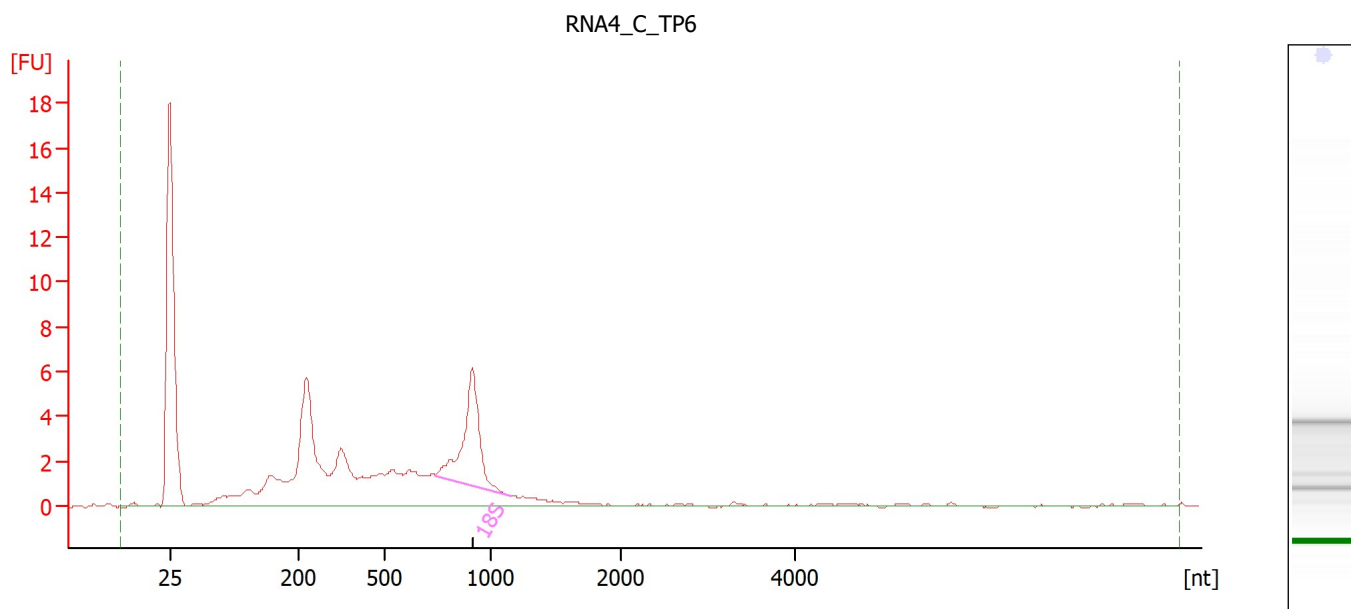
RNA Area:	84.3	RNA Integrity Number (RIN):	7.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	45 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.10

Fragment table for sample 9 : RNA4_C_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	712	1,358	15.7	18.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA4_C_TP6**

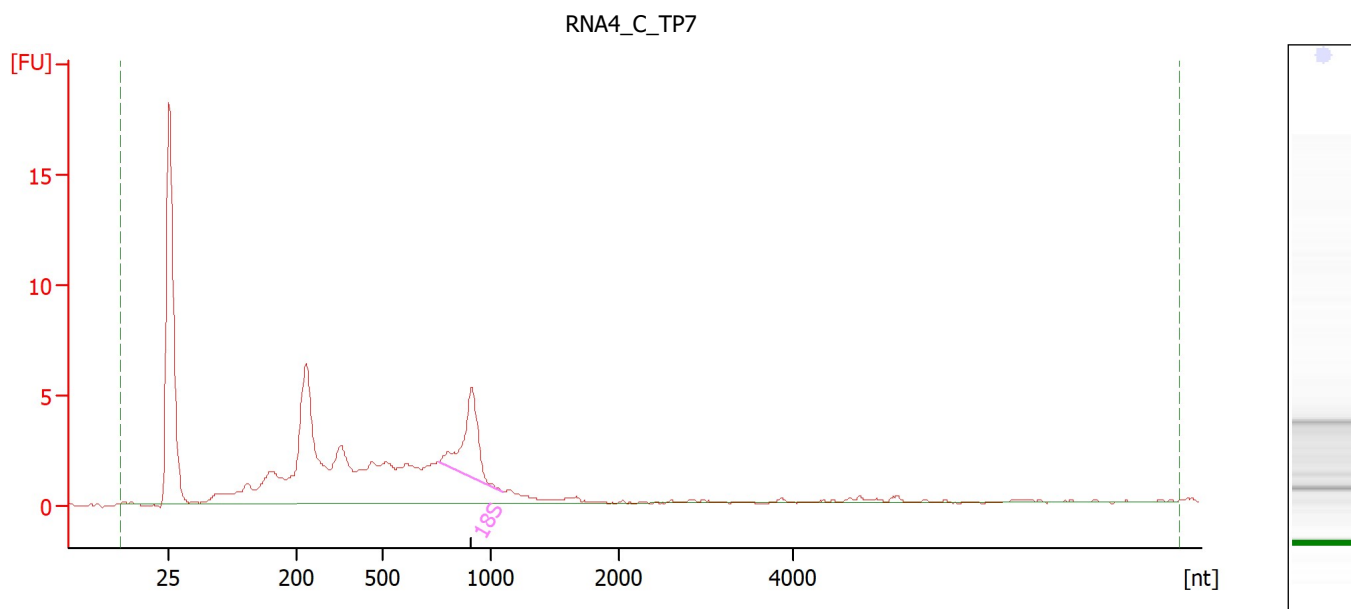
RNA Area:	79.6	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	43 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:7

Fragment table for sample 10 : RNA4_C_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	737	1,148	12.3	15.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA4 C TP7**

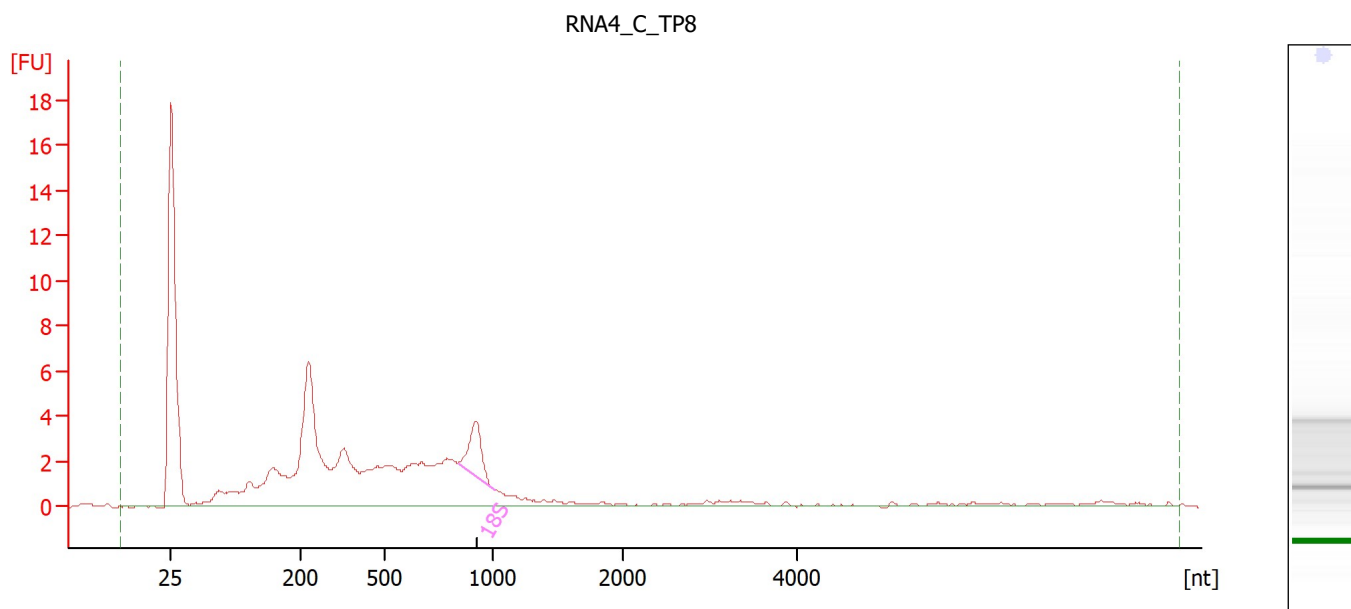
RNA Area:	82.7	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	44 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

Fragment table for sample 11 : RNA4 C TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	760	1,105	9.1	10.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : RNA4_C_TP8**

RNA Area:	87.0	RNA Integrity Number (RIN):	3.9 (B.02.10)
RNA Concentration:	47 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: 3.90

Fragment table for sample 12 : RNA4_C_TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	838	1,002	4.4	5.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_16-41-52.xad

Created: 10/21/2020 4:41:52 PM
Modified: 10/21/2020 5:09:19 PM

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