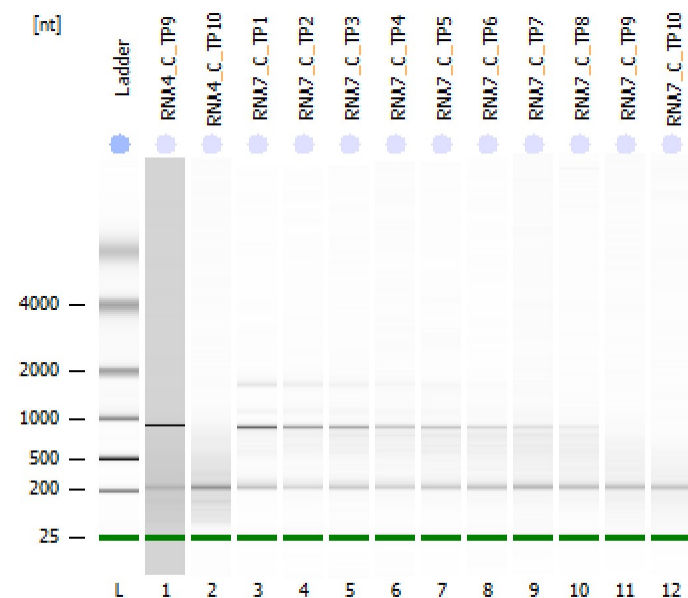


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 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)

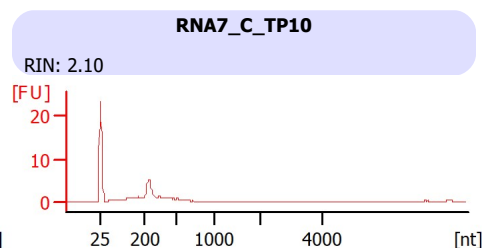
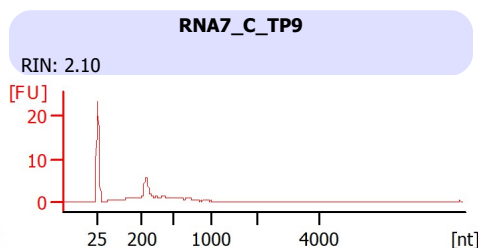
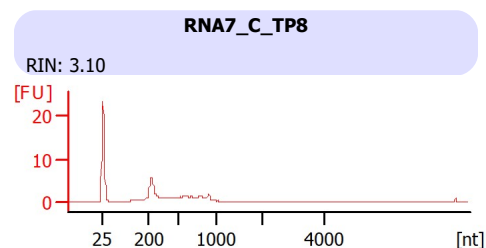
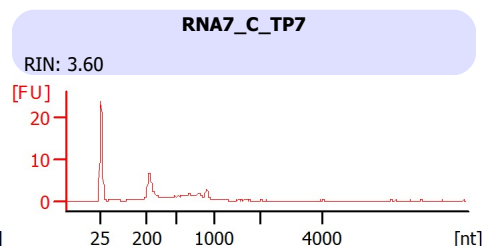
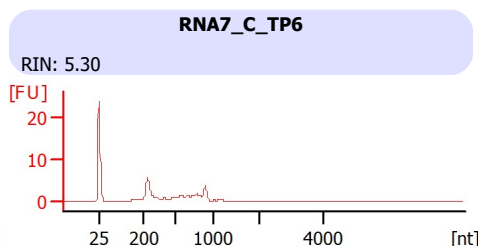
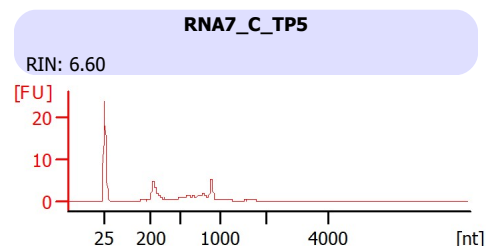
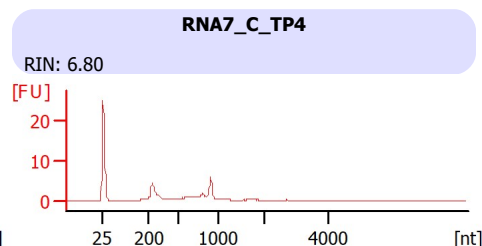
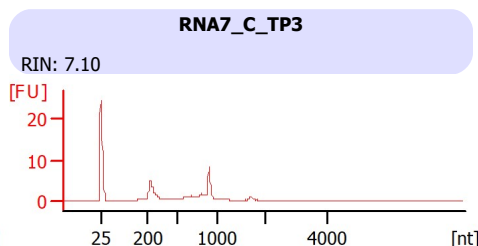
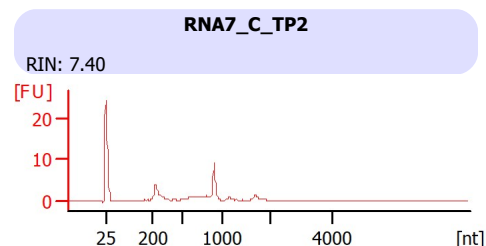
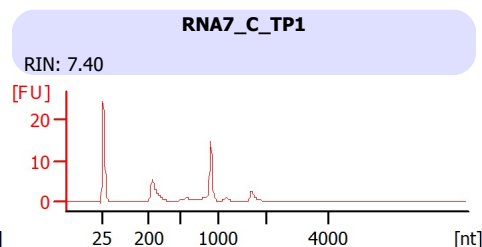
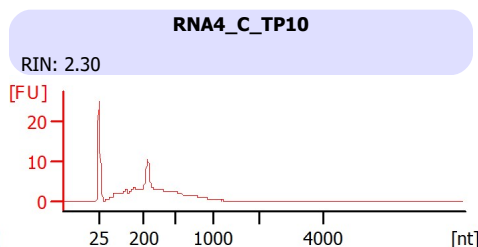
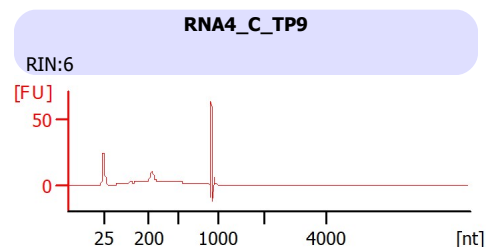
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Chip Information:

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_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
RNA4_C_TP9		✓	RIN:6	
RNA4_C_TP10		✓	RIN: 2.30	
RNA7_C_TP1		✓	RIN: 7.40	
RNA7_C_TP2		✓	RIN: 7.40	
RNA7_C_TP3		✓	RIN: 7.10	
RNA7_C_TP4		✓	RIN: 6.80	
RNA7_C_TP5		✓	RIN: 6.60	
RNA7_C_TP6		✓	RIN: 5.30	
RNA7_C_TP7		✓	RIN: 3.60	
RNA7_C_TP8		✓	RIN: 3.10	
RNA7_C_TP9		✓	RIN: 2.10	
RNA7_C_TP10		✓	RIN: 2.10	
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_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 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

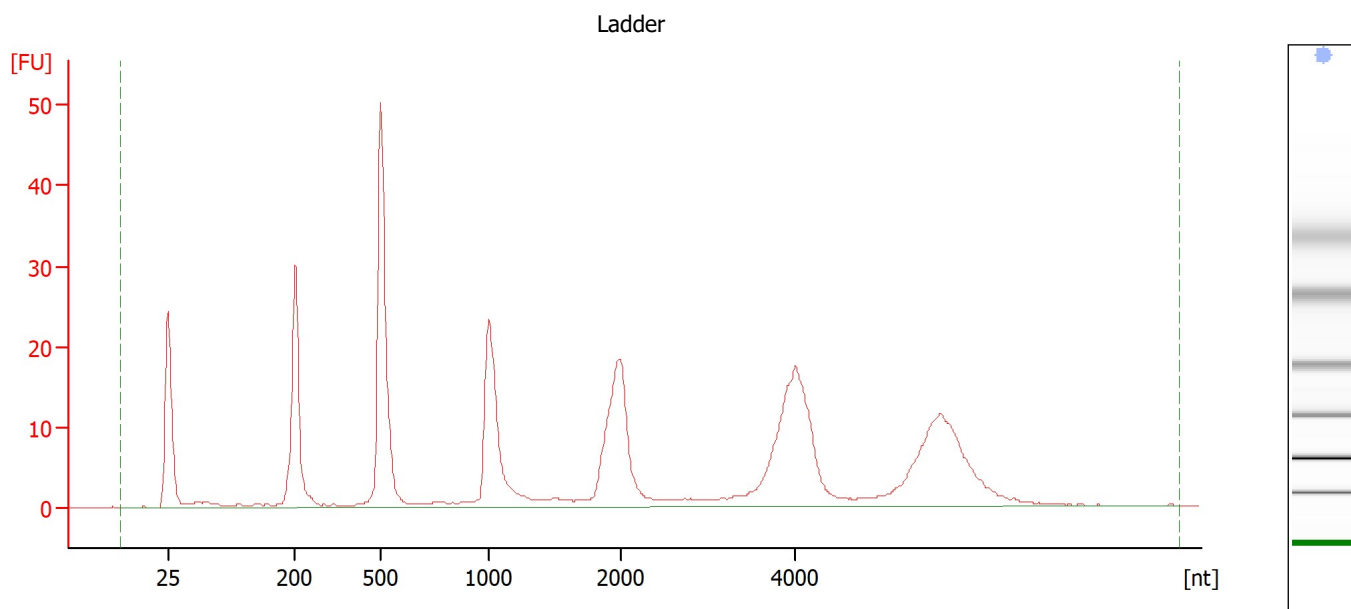
Ladder

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_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 356.3

Result Flagging Color:



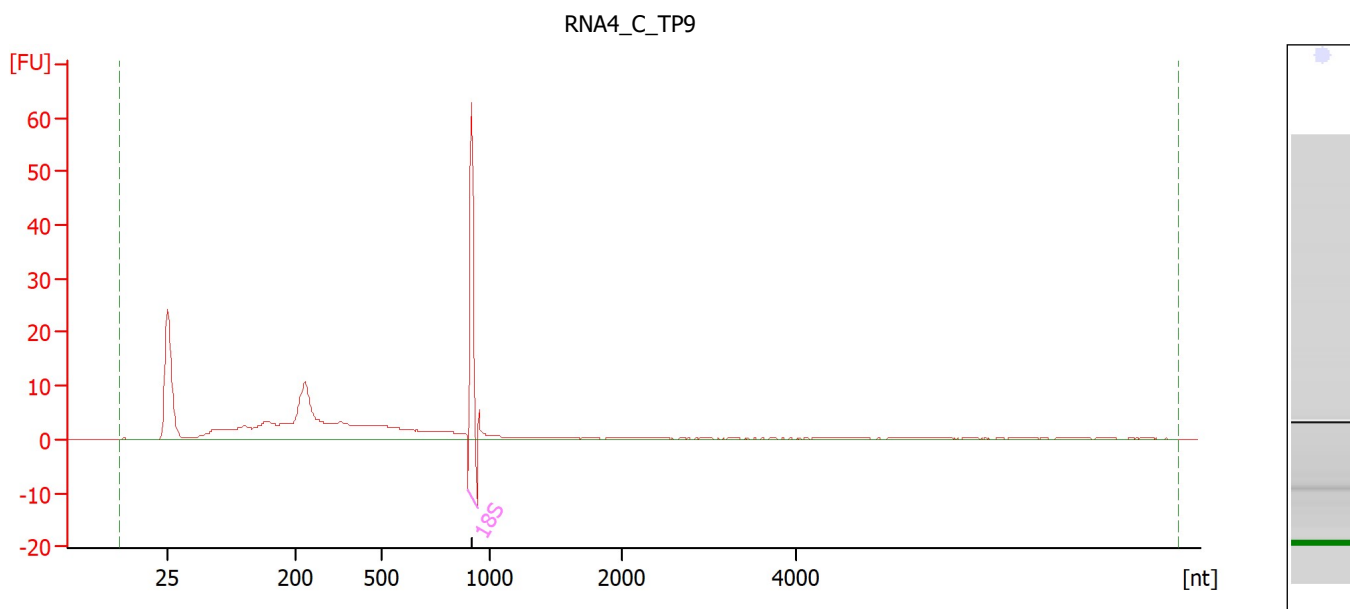
RNA Concentration: 150 ng/μl

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_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : RNA4_C_TP9**

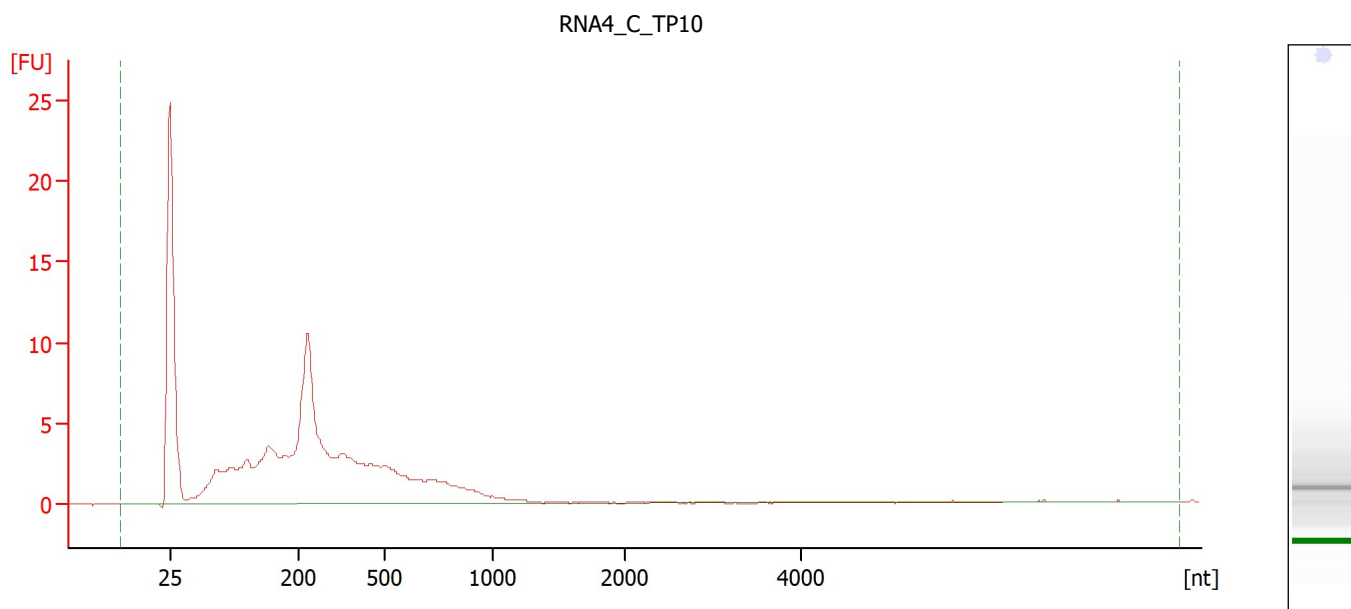
RNA Area:	157.7	RNA Integrity Number (RIN):	6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	66 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN:6

Fragment table for sample 1 : RNA4_C_TP9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	898	937	44.5	28.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

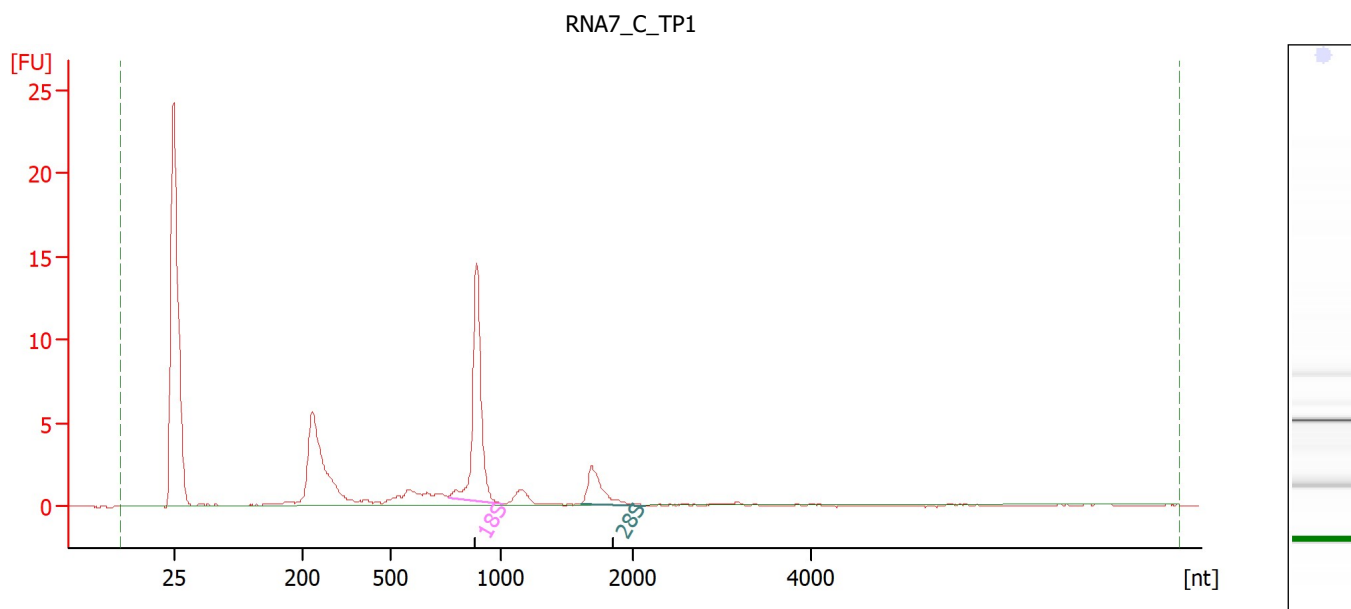
Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA4_C_TP10**

RNA Area:	119.1	RNA Integrity Number (RIN):	2.3 (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: 30px; height: 15px; display: inline-block;"></div>
		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_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA7_C_TP1**

RNA Area: 50.2 RNA Integrity Number (RIN): 7.4 (B.02.10, Anomaly Threshold(s) manually adapted)

RNA Concentration: 21 ng/μl

rRNA Ratio [28S / 18S]: 0.3

Result Flagging Color:

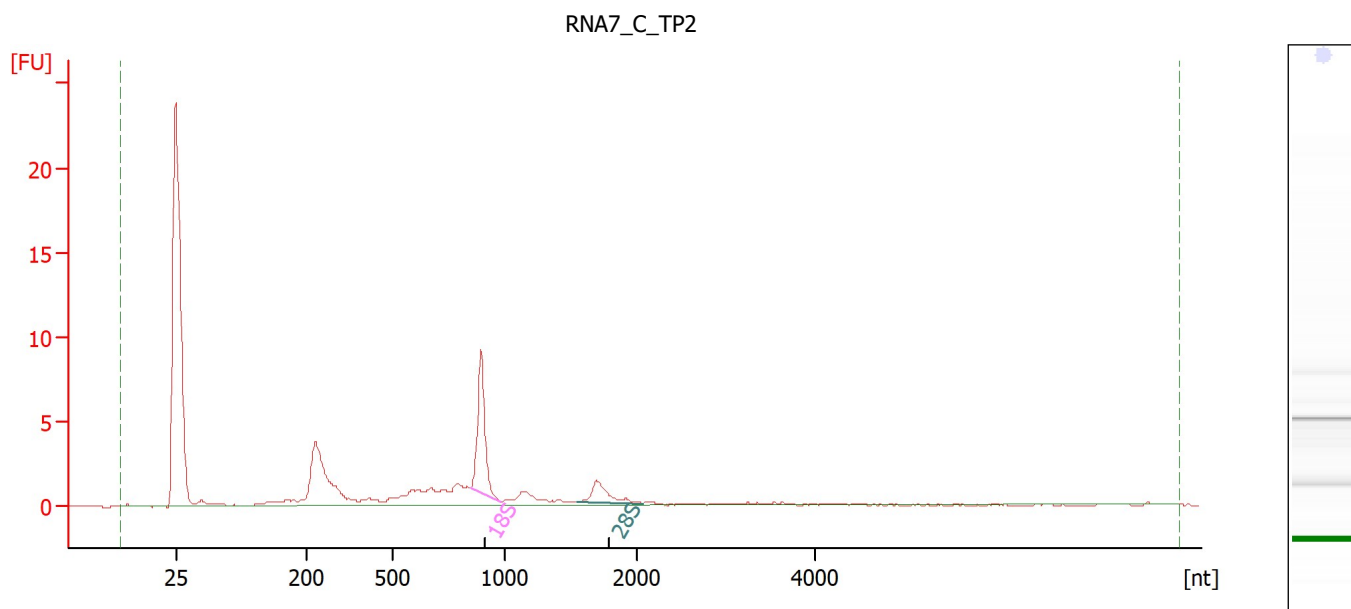
Result Flagging Label: RIN: 7.40

Fragment table for sample 3 : RNA7_C_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	762	1,022	17.1	34.0
28S	1,605	2,146	4.5	9.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA7_C_TP2**

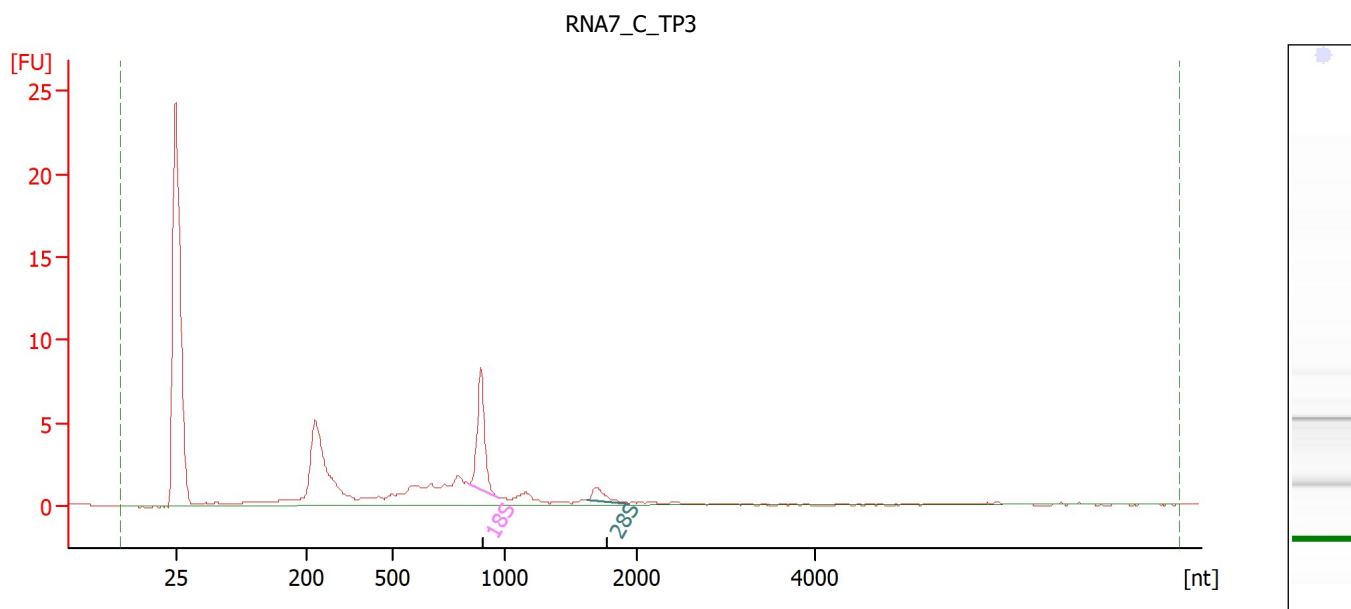
RNA Area:	42.3	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	18 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.3	Result Flagging Label:	RIN: 7.40

Fragment table for sample 4 : RNA7_C_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	848	982	9.1	21.4
28S	1,550	2,062	2.8	6.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA7_C_TP3**

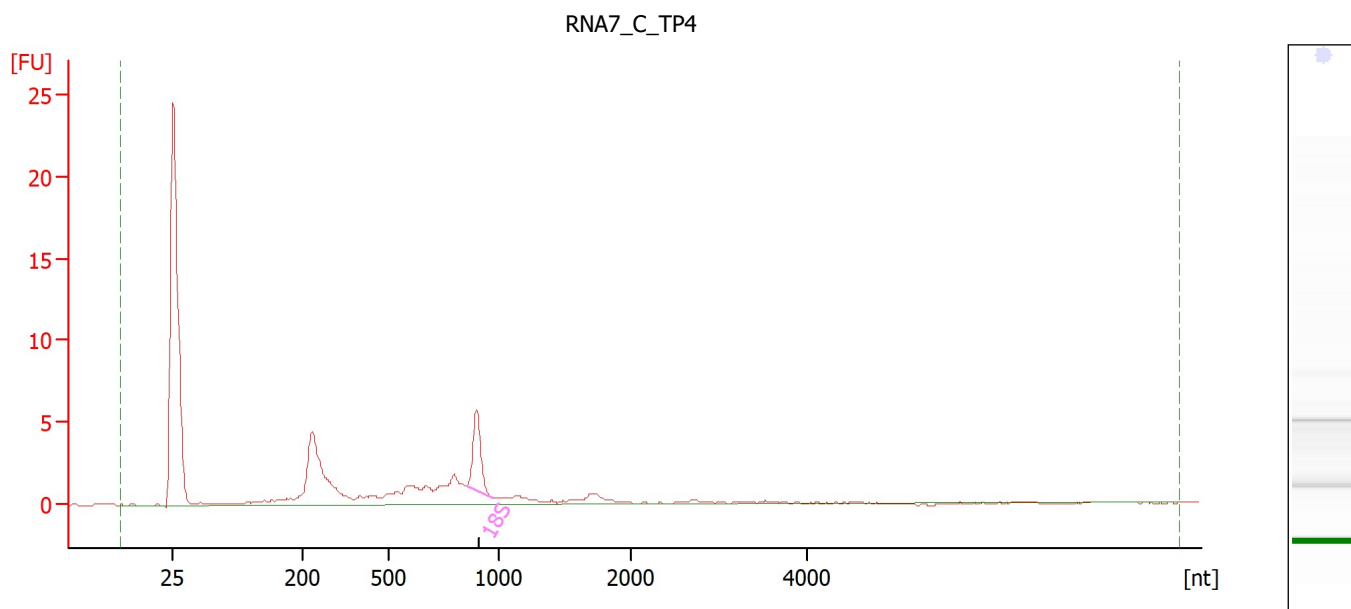
RNA Area:	54.4	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	0.2	Result Flagging Label:	RIN: 7.10

Fragment table for sample 5 : RNA7_C_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	843	973	8.0	14.7
28S	1,623	1,937	1.4	2.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA7_C_TP4**

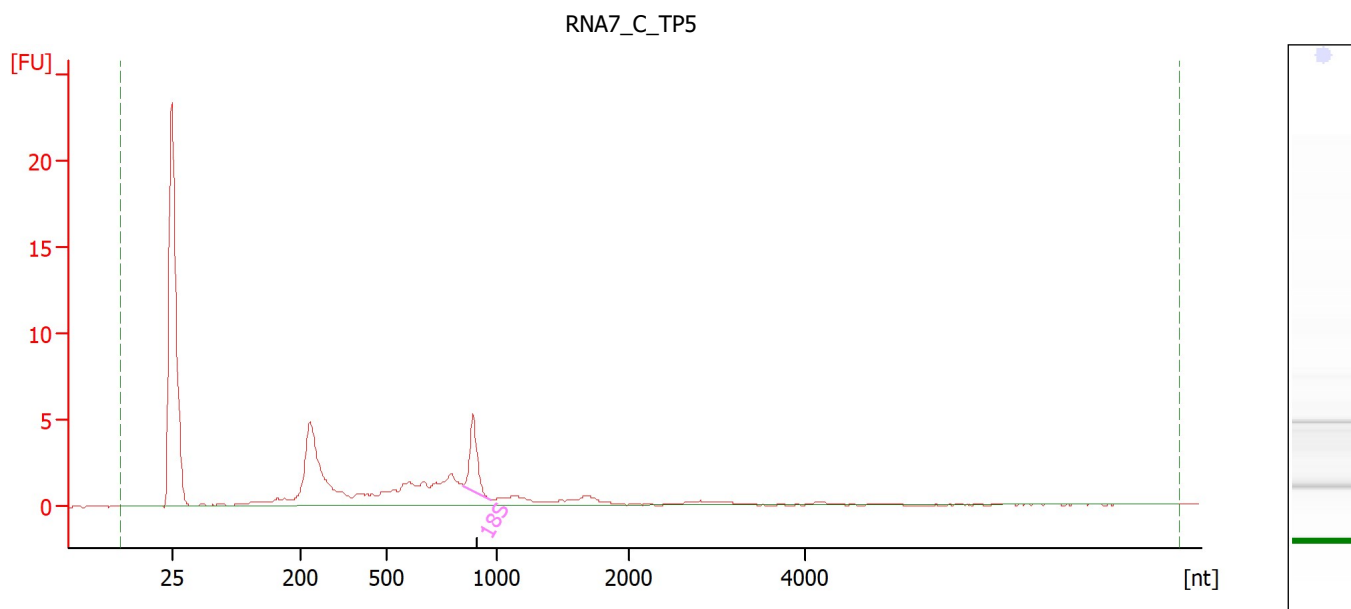
RNA Area:	45.4	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	19 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

Fragment table for sample 6 : RNA7_C_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	852	973	5.4	11.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA7_C_TP5**

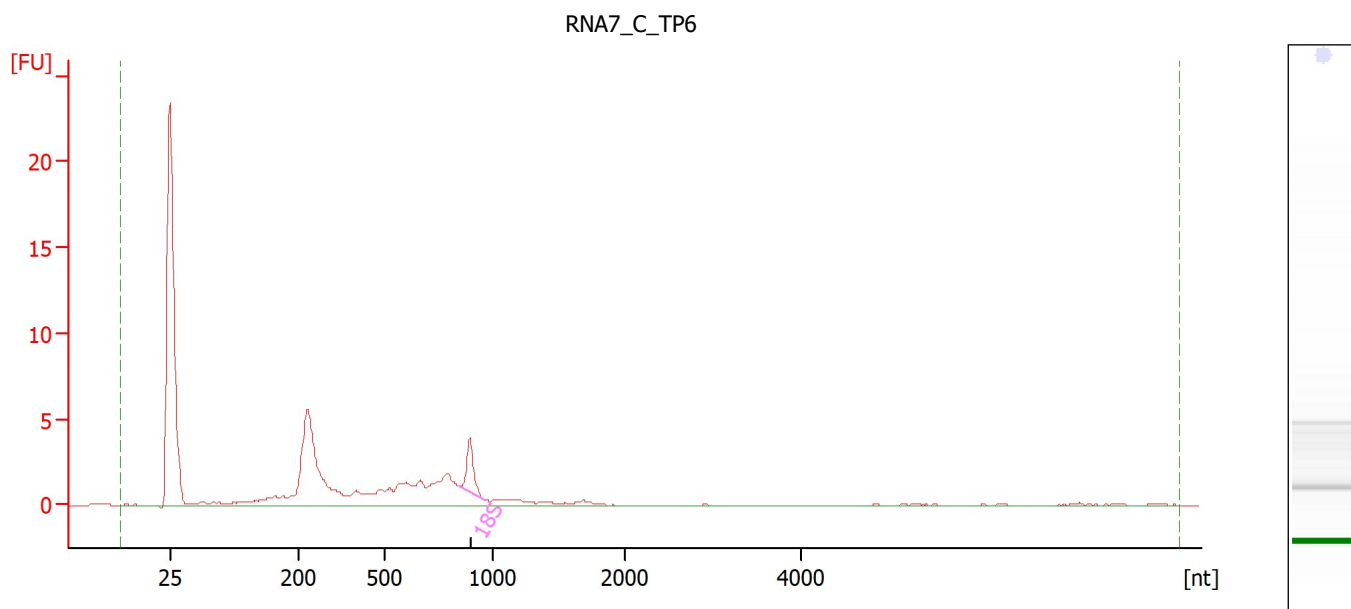
RNA Area:	47.9	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	20 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.60

Fragment table for sample 7 : RNA7_C_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	845	971	4.6	9.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA7_C_TP6**

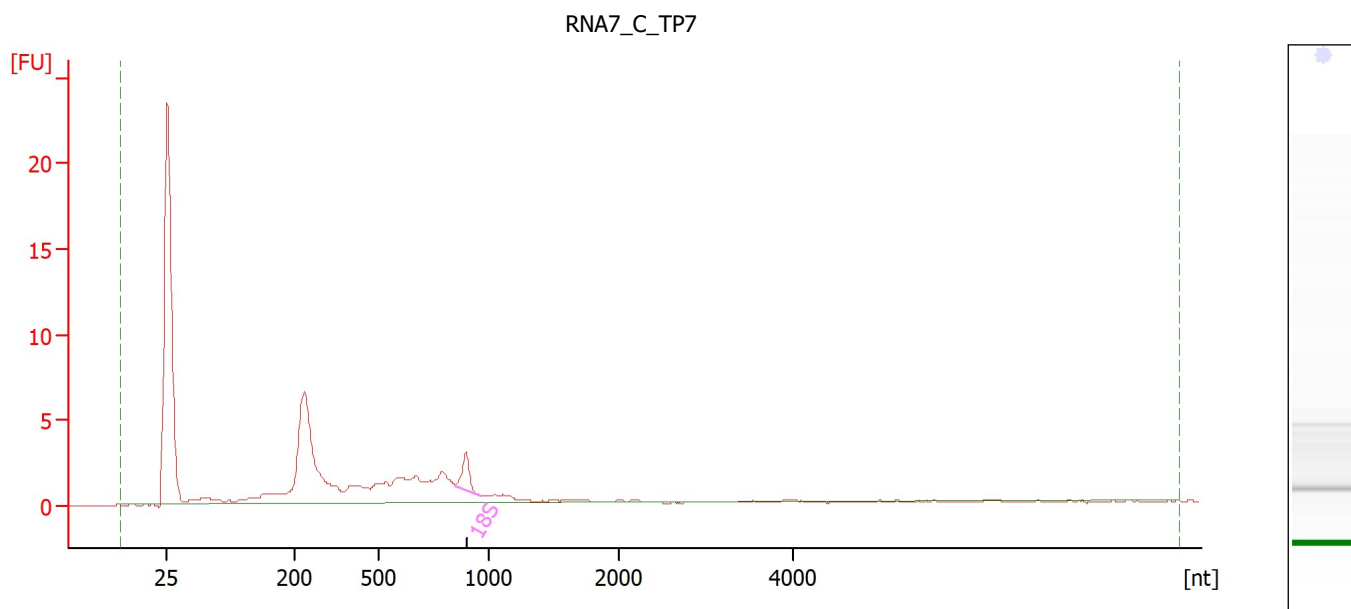
RNA Area:	49.9	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	21 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.30

Fragment table for sample 8 : RNA7_C_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	846	959	3.3	6.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA7_C_TP7**

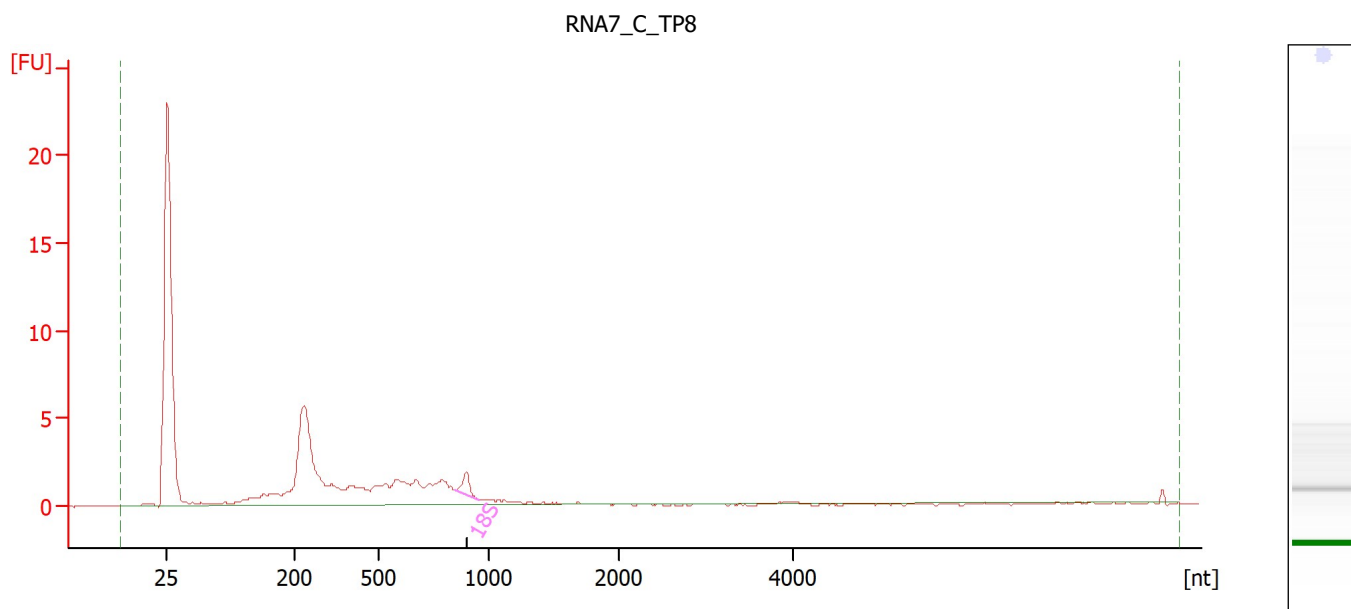
RNA Area:	58.6	RNA Integrity Number (RIN):	3.6 (B.02.10)
RNA Concentration:	25 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

Fragment table for sample 9 : RNA7_C_TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	851	969	2.3	4.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA7_C_TP8**

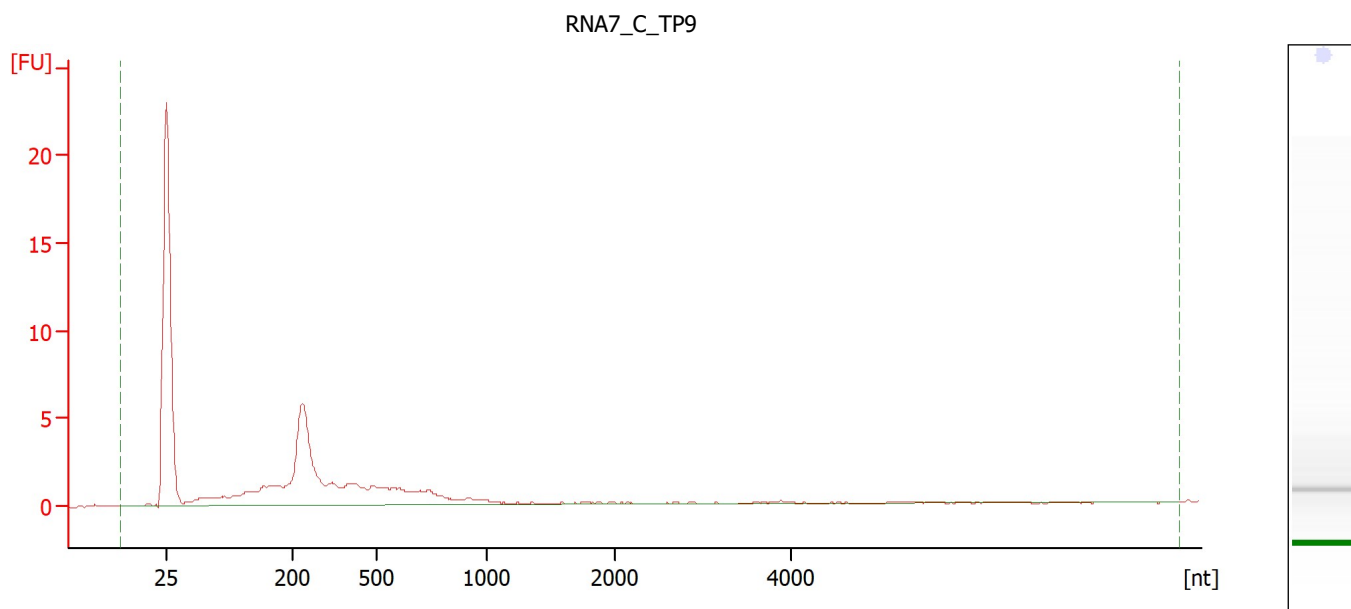
RNA Area:	48.3	RNA Integrity Number (RIN):	3.1 (B.02.10)
RNA Concentration:	20 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

Fragment table for sample 10 : RNA7_C_TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	851	959	1.4	3.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

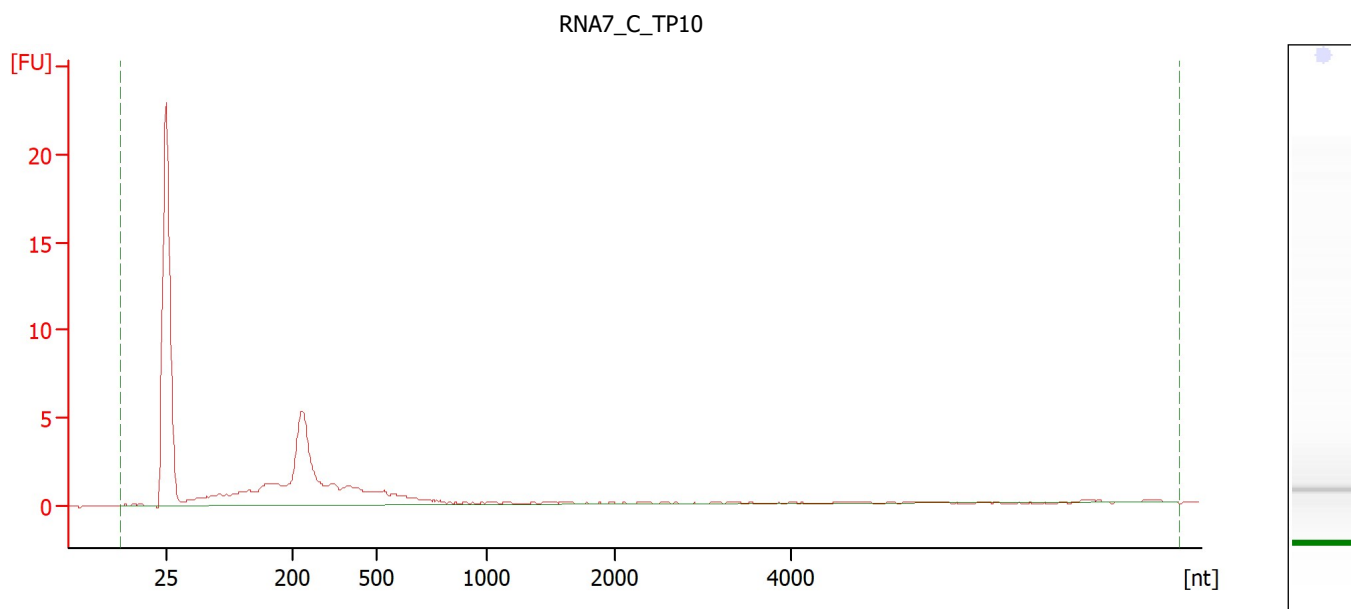
Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA7_C_TP9**

RNA Area:	49.8	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	21 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_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : RNA7_C_TP10**

RNA Area:	45.4	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	19 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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-21\Eukaryote Total RNA Nano_2020-10-21_17-01-22.xad

Created: 10/21/2020 5:01:22 PM
Modified: 10/21/2020 5:24:26 PM

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