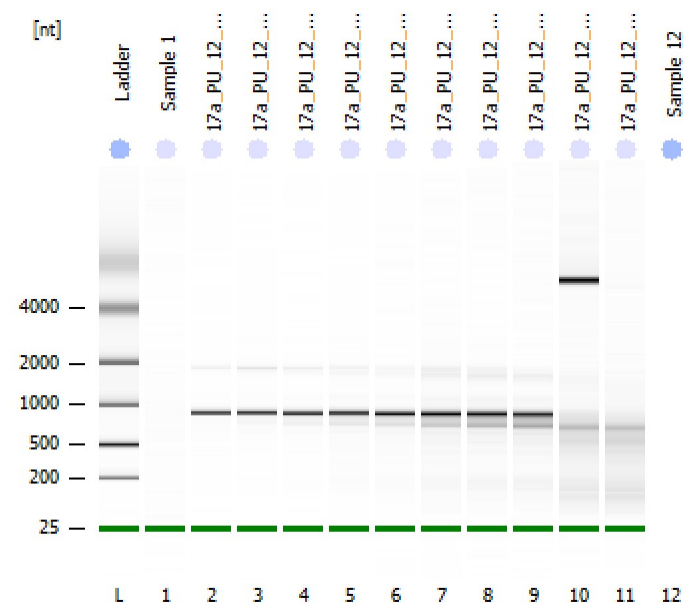


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
Modified: 12/10/2020 4:03:46 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901302

Firmware: C.01.069

Serial#: DE72901302

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)

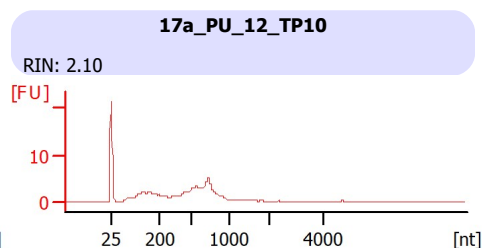
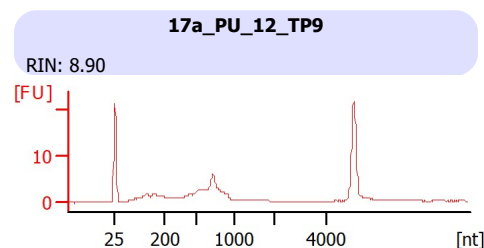
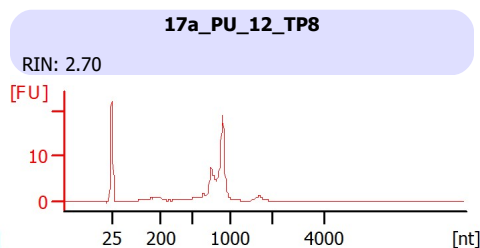
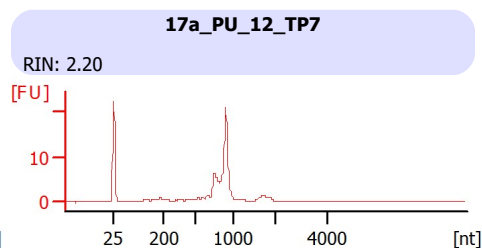
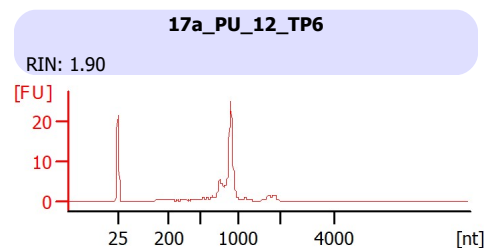
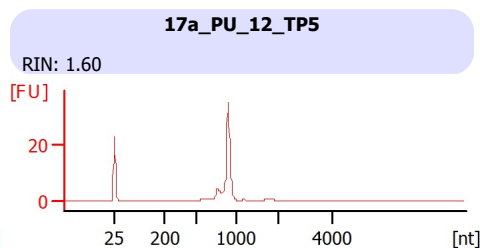
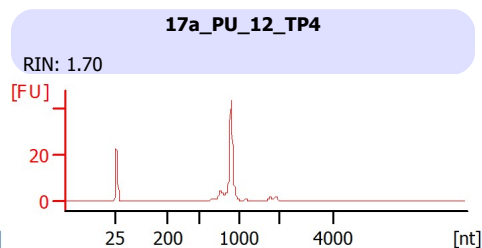
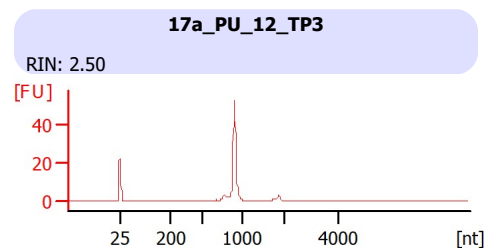
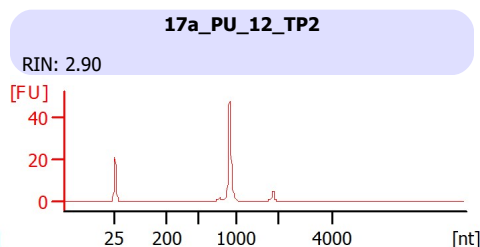
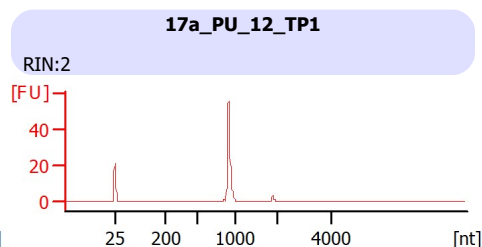
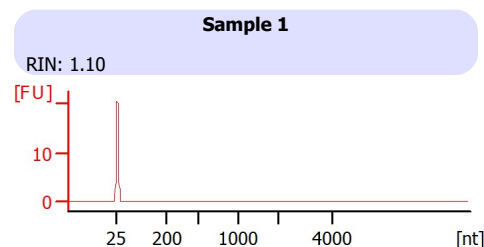
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
Modified: 12/10/2020 4:03:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		us	
17a_PU_12_TP1		✓ RIN: 1.10	
17a_PU_12_TP2		✓ RIN:2	
17a_PU_12_TP3		✓ RIN: 2.90	
17a_PU_12_TP4		✓ RIN: 2.50	
17a_PU_12_TP5		✓ RIN: 1.70	
17a_PU_12_TP6		✓ RIN: 1.60	
17a_PU_12_TP7		✓ RIN: 1.90	
17a_PU_12_TP8		✓ RIN: 2.20	
17a_PU_12_TP9		✓ RIN: 2.70	
17a_PU_12_TP10		✓ RIN: 8.90	
Sample 12		✓ RIN: 2.10	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
Modified: 12/10/2020 4:03:46 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

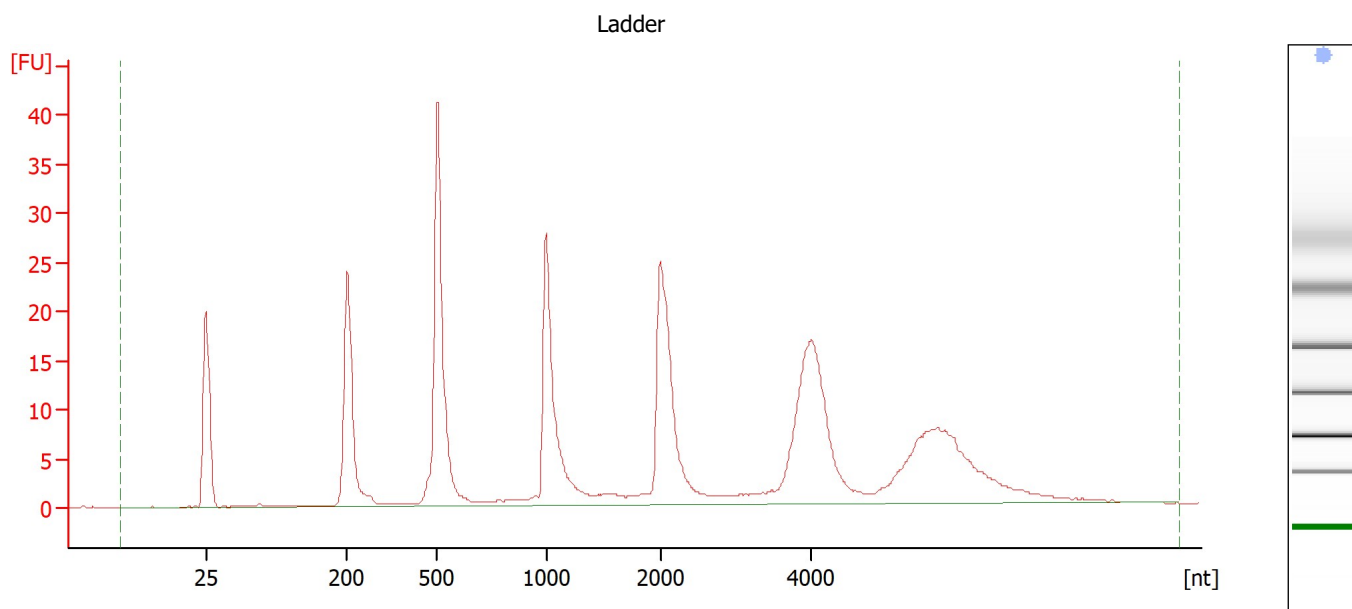
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 316.5

Result Flagging Color:



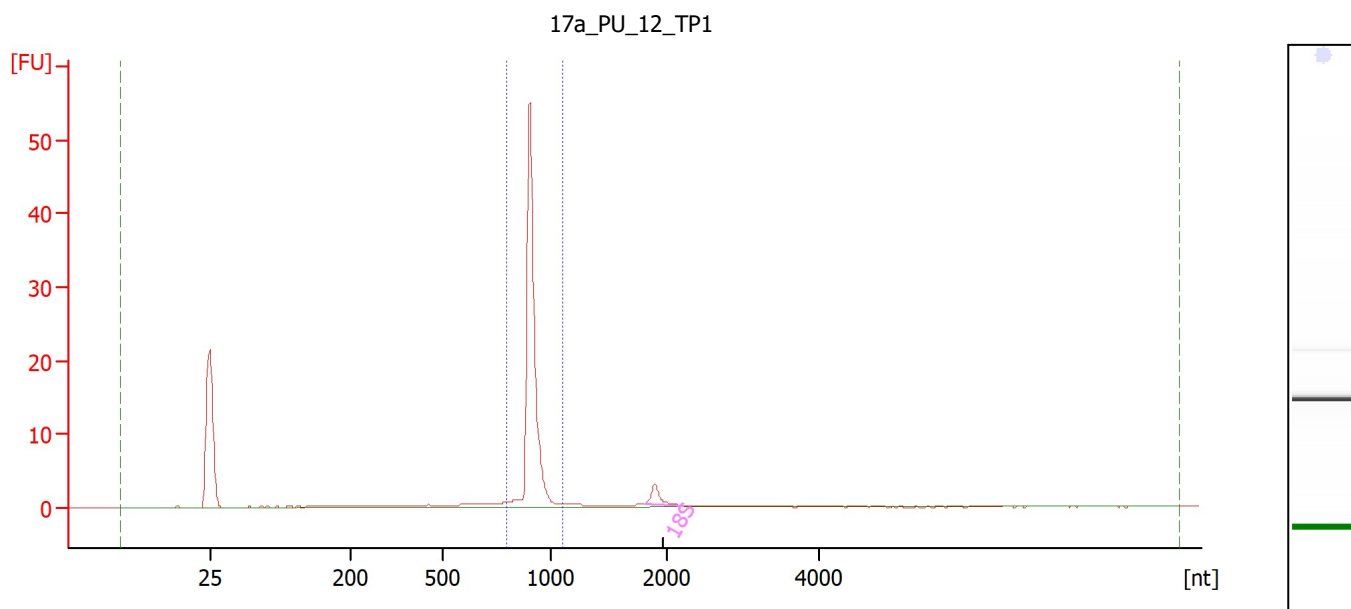
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 12 TP1**

RNA Area:	77.8	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	61.6
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 12 TP1

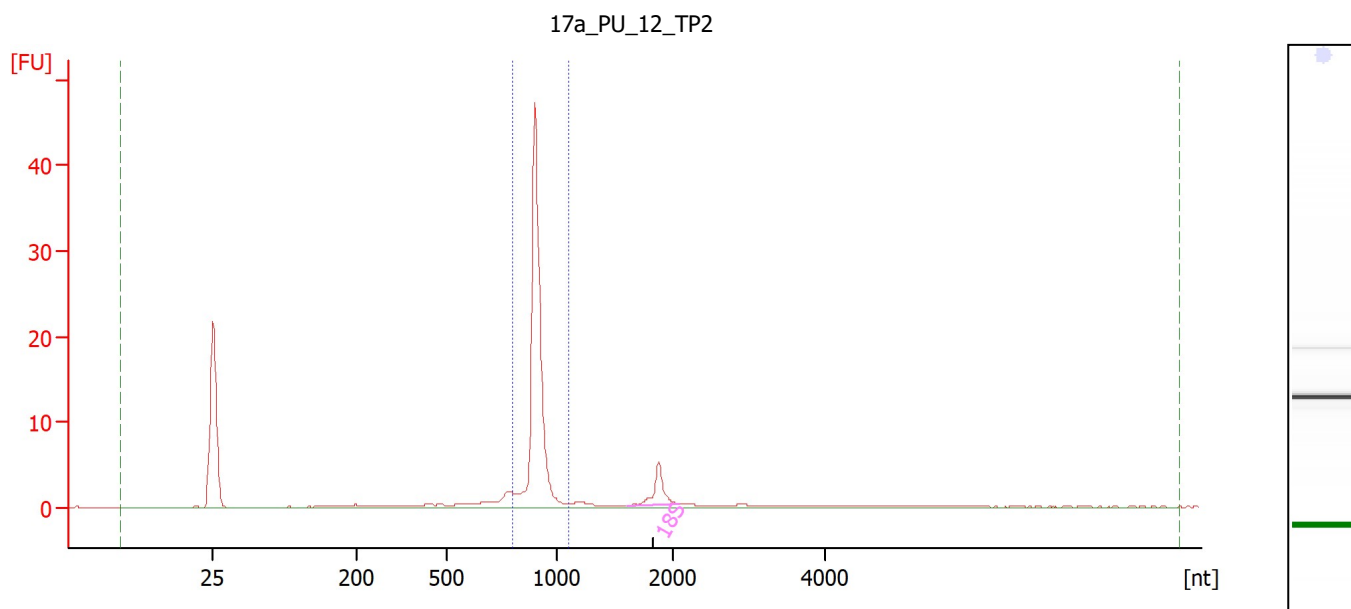
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,807	2,201	3.0	3.8

Region table for sample 2 : 17a PU 12 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	61.6	79	<div style="background-color: #0000ff; width: 20px; height: 15px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 12 TP2**

RNA Area:	81.3	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 2.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	56.9
RNA Integrity Number (RIN):	2.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 12 TP2

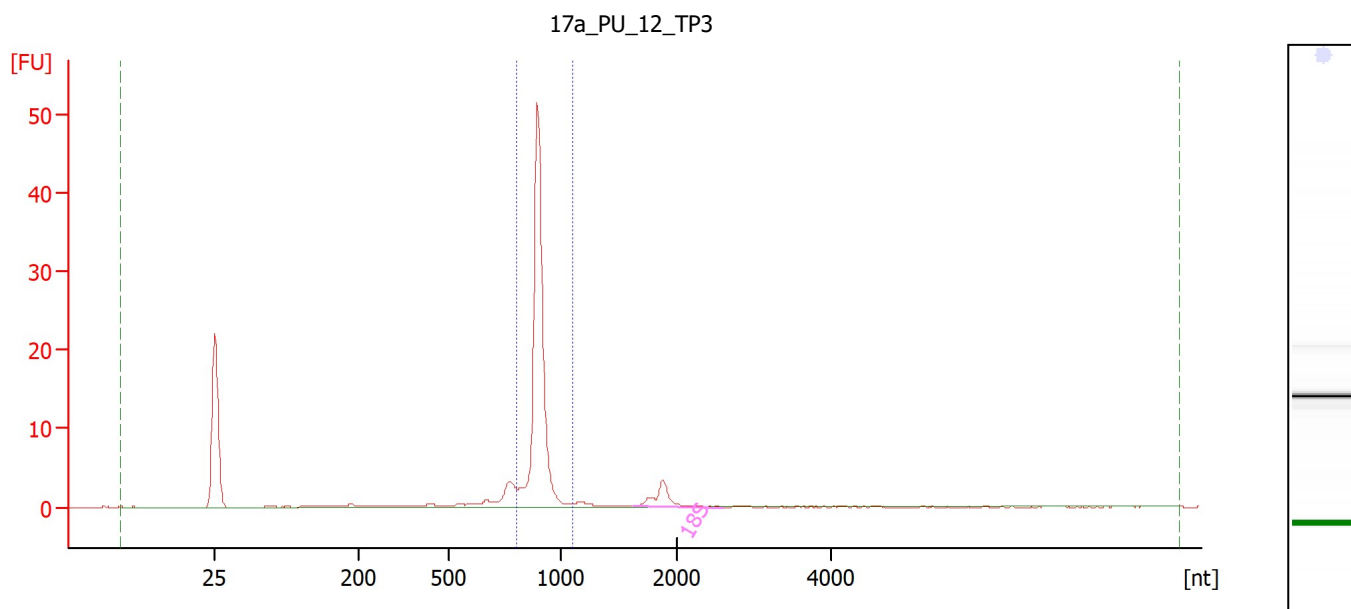
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	2,092	5.4	6.7

Region table for sample 3 : 17a PU 12 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	56.9	70	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 12 TP3**

RNA Area:	80.6	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 2.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	64.0
RNA Integrity Number (RIN):	2.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 12 TP3

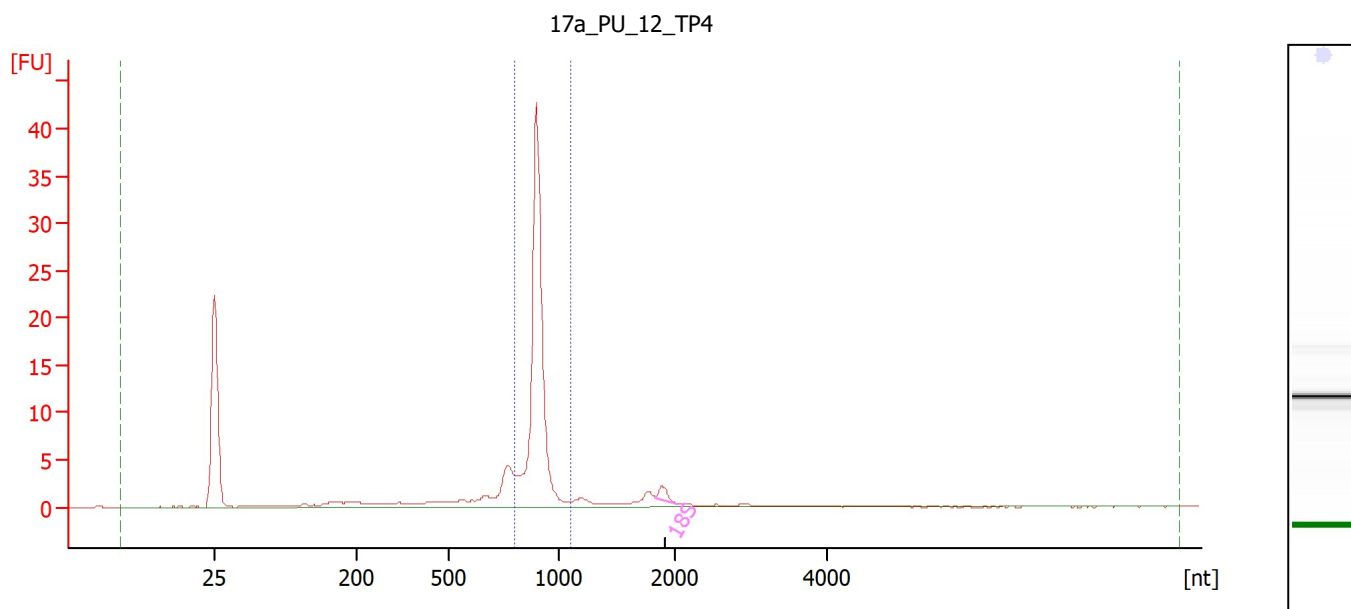
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	2,596	5.3	6.5

Region table for sample 4 : 17a PU 12 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	64.0	79	<div style="background-color: #0000ff; width: 20px; height: 15px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 12 TP4**

RNA Area:	90.0	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	60.2
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 5 : 17a PU 12 TP4

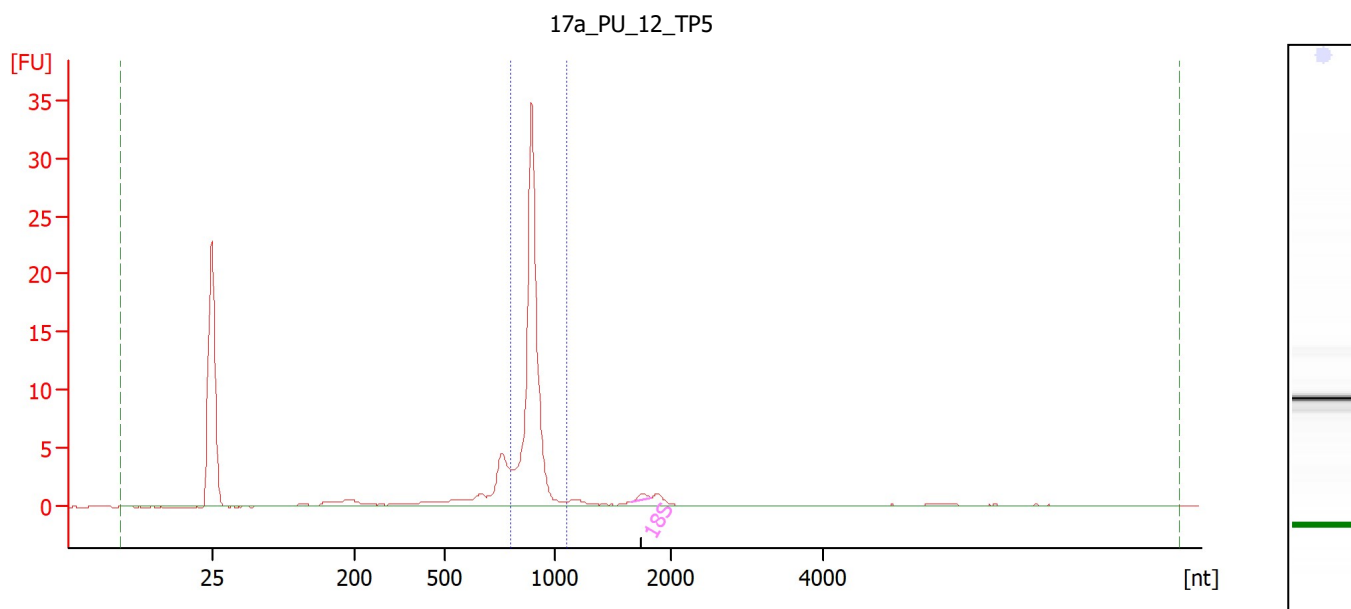
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,831	2,023	1.3	1.4

Region table for sample 5 : 17a PU 12 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	60.2	67	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 12 TP5**

RNA Area:	78.0	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	51.7
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 6 : 17a PU 12 TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	1,819	0.5	0.7

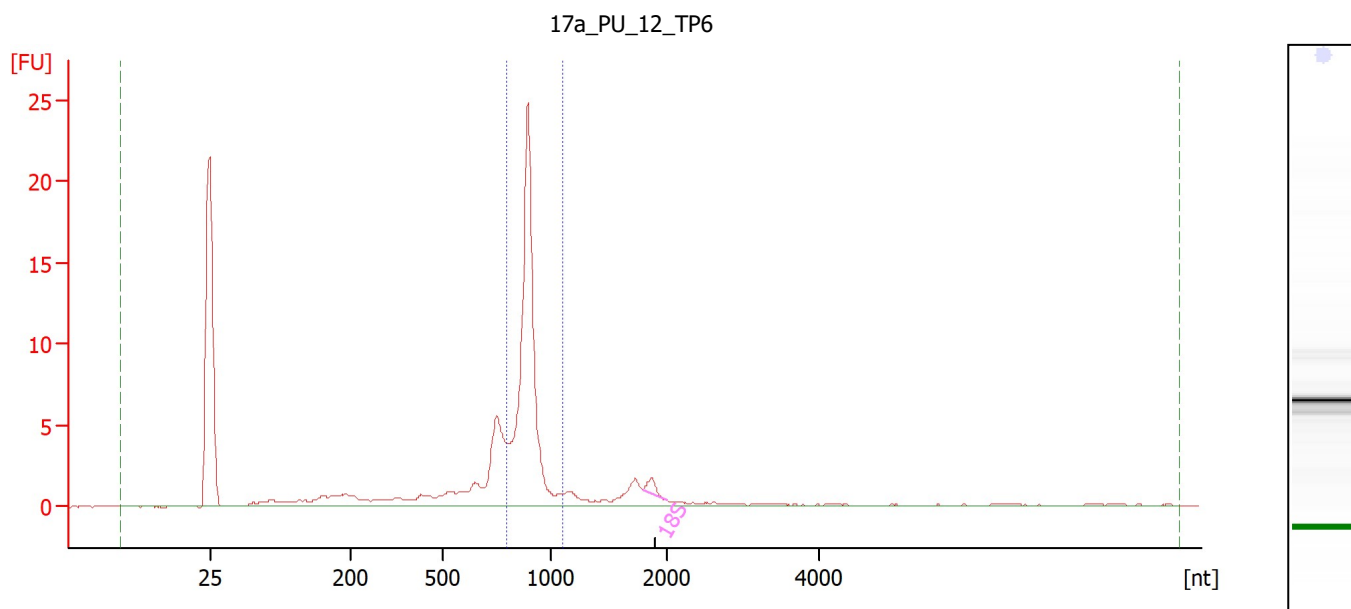
Region table for sample 6 : 17a PU 12 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	51.7	66	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a PU 12 TP6

RNA Area:	84.9	Result Flagging Color:	
RNA Concentration:	40 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	43.9
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 7 : 17a PU 12 TP6

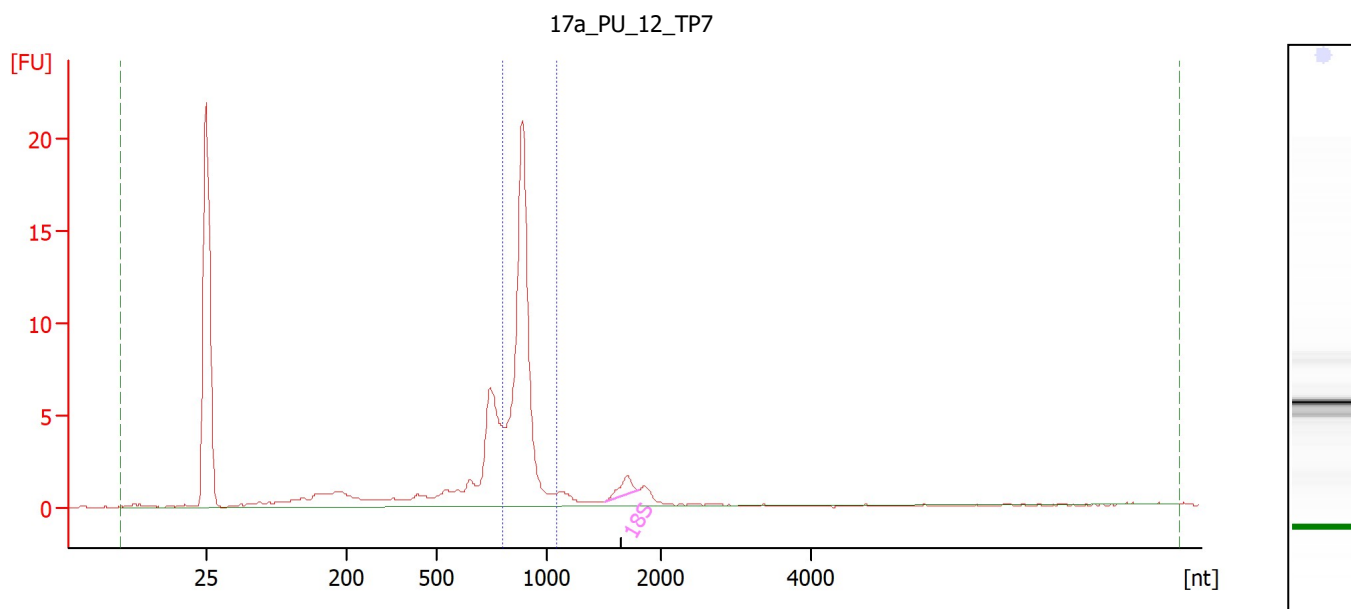
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,789	1,993	0.9	1.1

Region table for sample 7 : 17a PU 12 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	43.9	52	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 12 TP7**

RNA Area:	79.4	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	40.1
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 8 : 17a PU 12 TP7

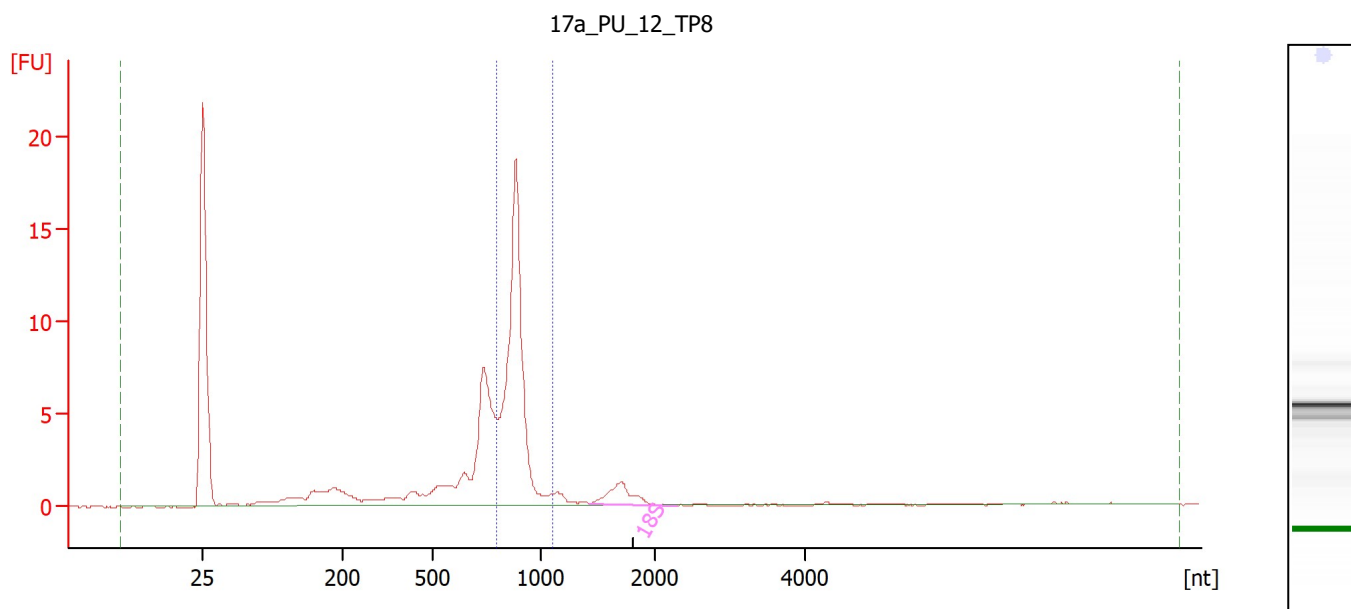
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,514	1,803	1.5	1.9

Region table for sample 8 : 17a PU 12 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	40.1	50	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 12 TP8**

RNA Area:	78.7	Result Flagging Color:	
RNA Concentration:	37 ng/μl	Result Flagging Label:	RIN: 2.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	38.0
RNA Integrity Number (RIN):	2.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 9 : 17a PU 12 TP8

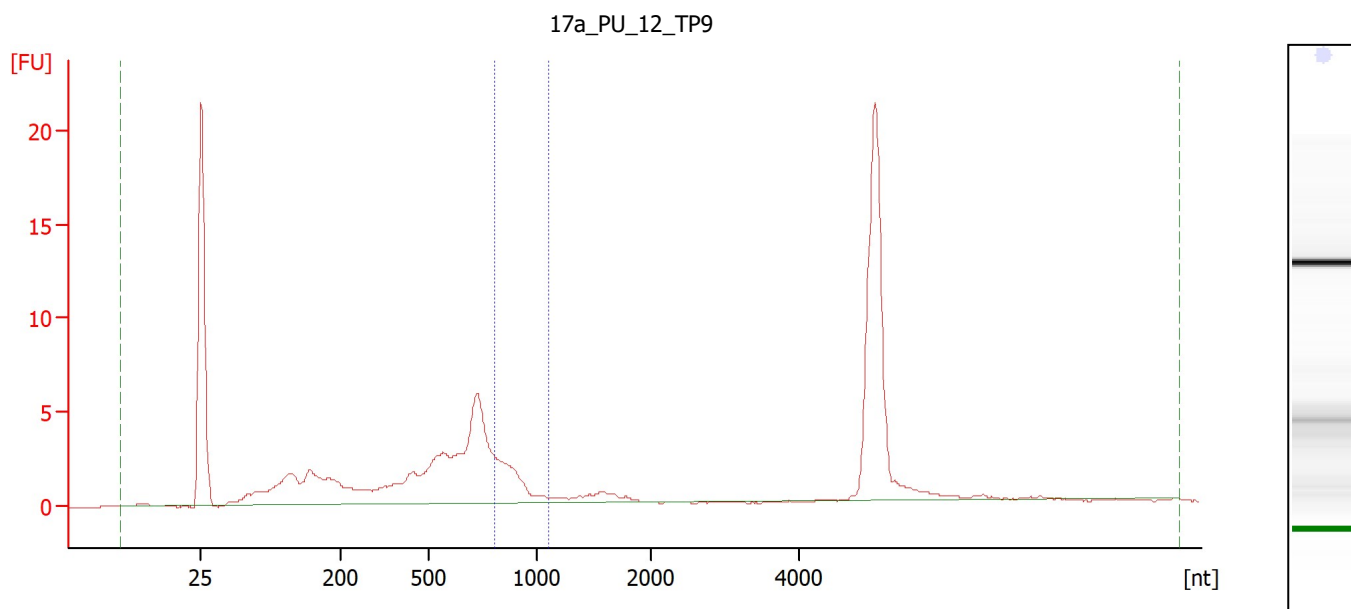
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,423	2,295	3.6	4.6

Region table for sample 9 : 17a PU 12 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	38.0	48	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a_PU_12_TP9**

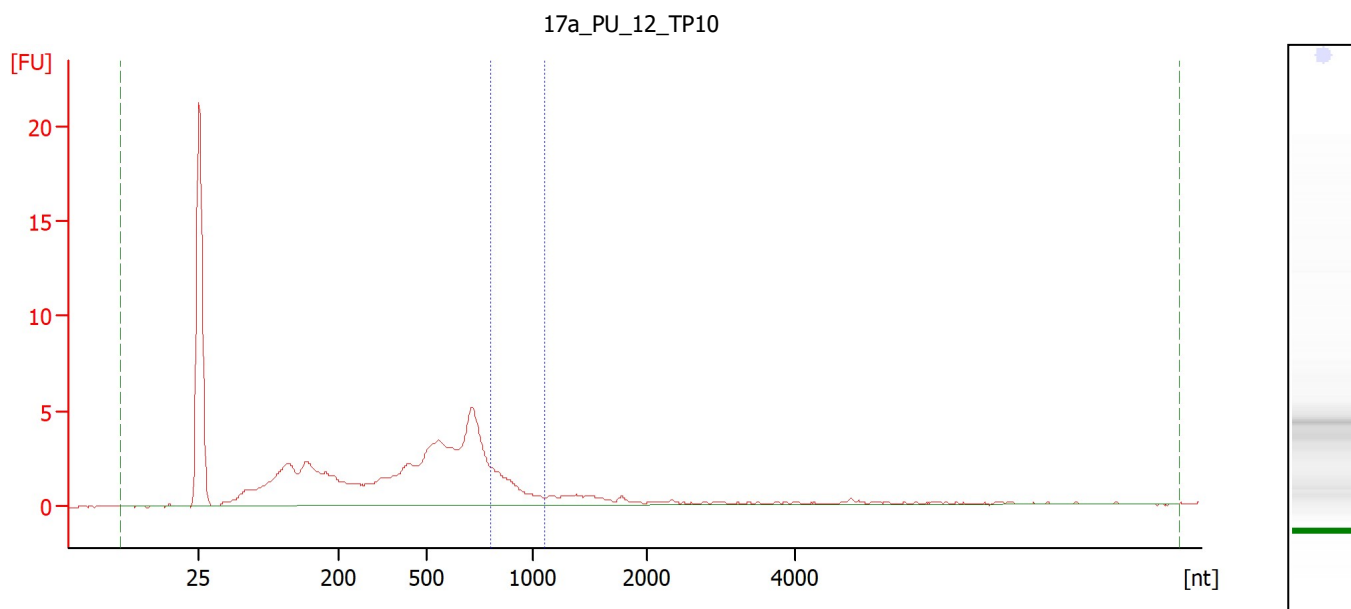
RNA Area:	102.4	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN: 8.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.6
RNA Integrity Number (RIN):	8.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 10 : 17a_PU_12_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	8.6	8	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
 Modified: 12/10/2020 4:03:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a PU 12 TP10**

RNA Area:	87.6	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.1
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 12 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	7.1	8	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-22-13.xad

Created: 12/10/2020 3:22:12 PM
Modified: 12/10/2020 4:03:46 PM

Gel Image