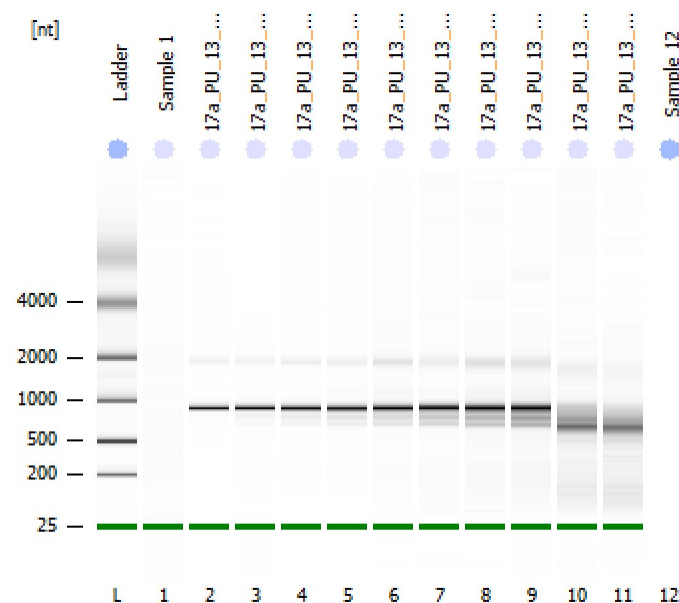


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
Modified: 12/10/2020 4:20:36 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)

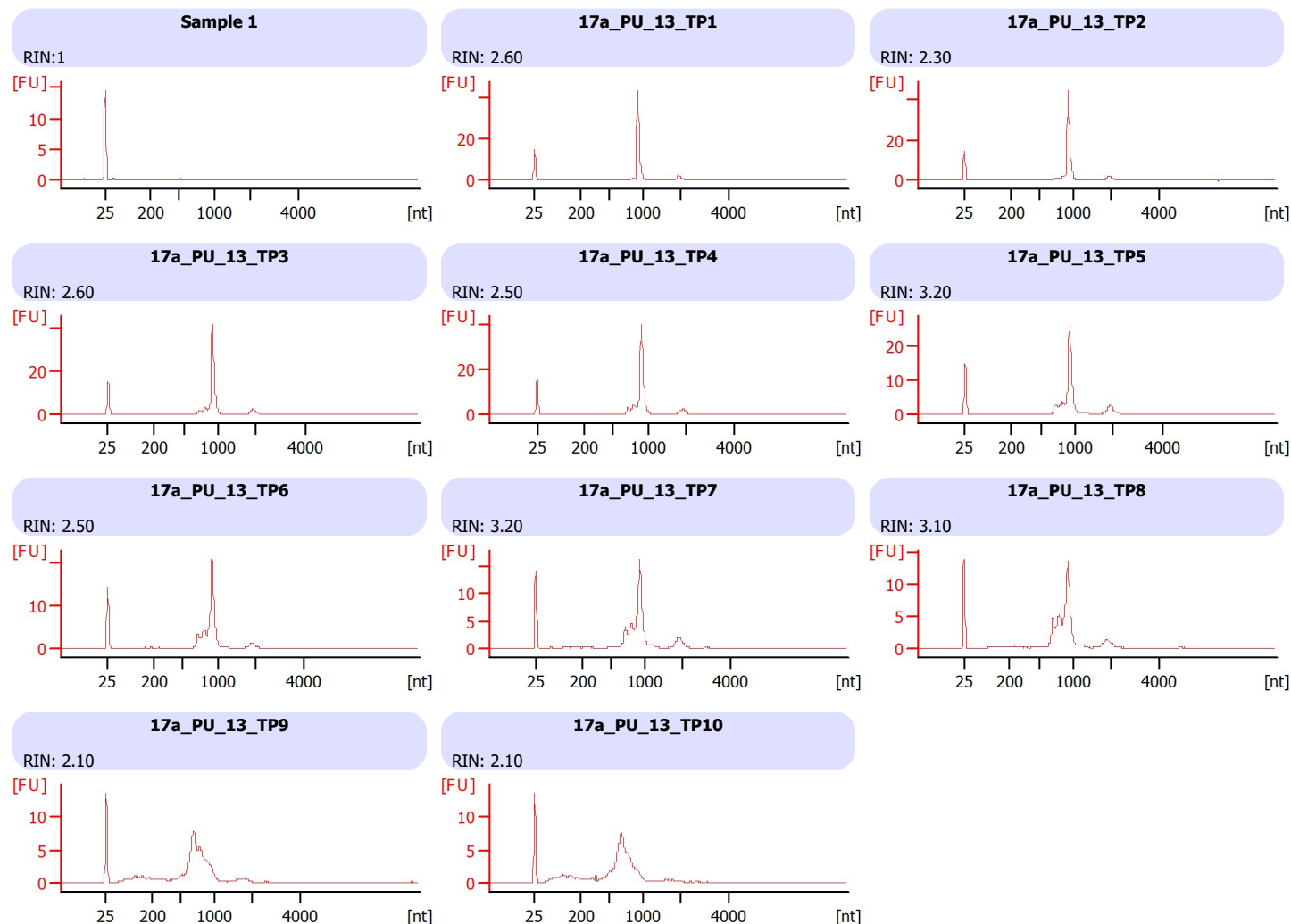
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
Modified: 12/10/2020 4:20:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_13_TP1		✓ RIN: 2.60	
17a_PU_13_TP2		✓ RIN: 2.30	
17a_PU_13_TP3		✓ RIN: 2.60	
17a_PU_13_TP4		✓ RIN: 2.50	
17a_PU_13_TP5		✓ RIN: 3.20	
17a_PU_13_TP6		✓ RIN: 2.50	
17a_PU_13_TP7		✓ RIN: 3.20	
17a_PU_13_TP8		✓ RIN: 3.10	
17a_PU_13_TP9		✓ RIN: 2.10	
17a_PU_13_TP10		✓ RIN: 2.10	
Sample 12			
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_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
Modified: 12/10/2020 4:20:36 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

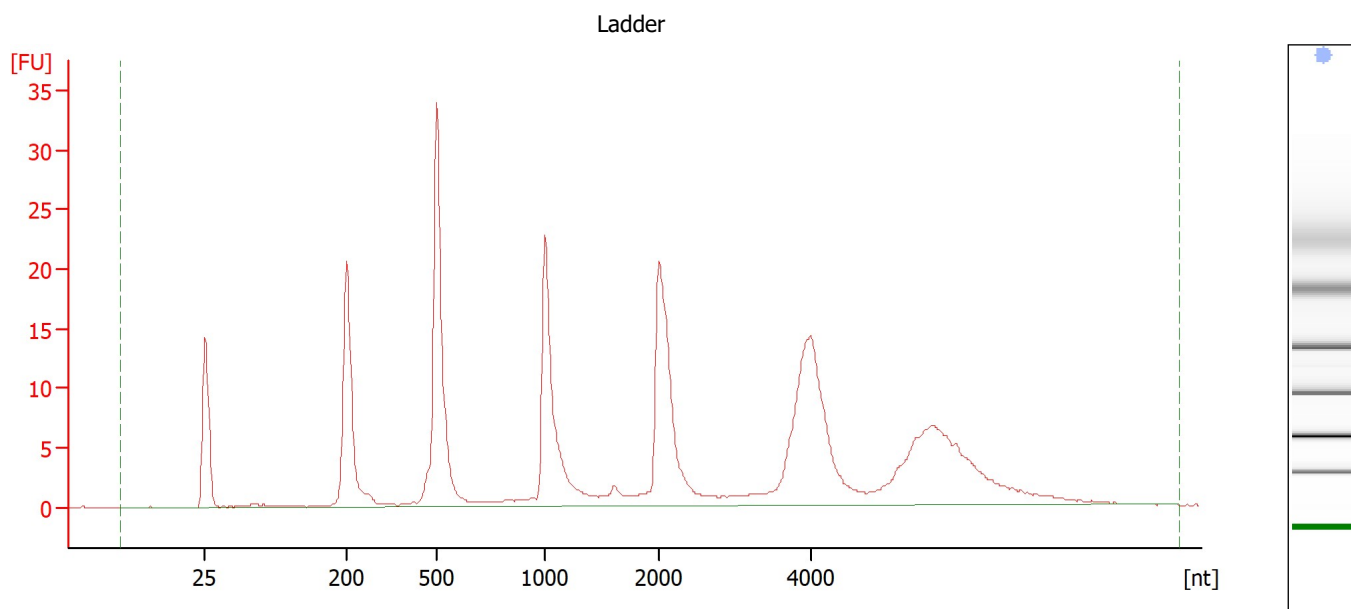
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 270.3

Result Flagging Color:



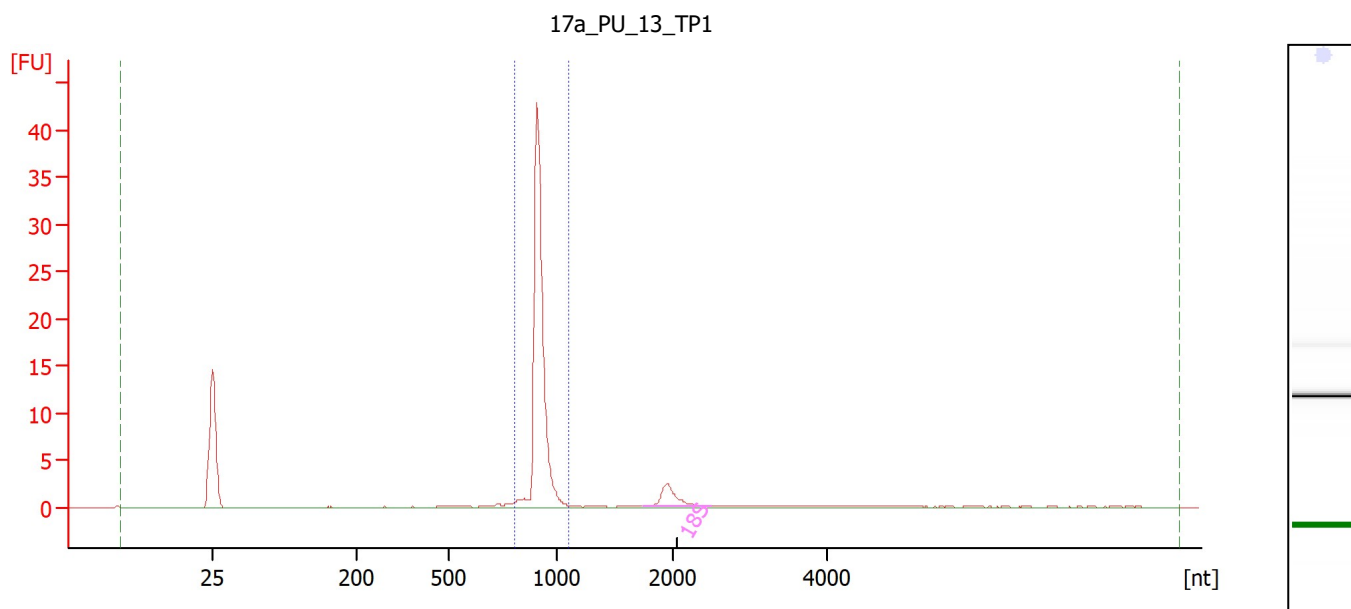
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 13 TP1**

RNA Area:	59.5	Result Flagging Color:	
RNA Concentration:	33 ng/μl	Result Flagging Label:	RIN: 2.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	50.2
RNA Integrity Number (RIN):	2.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 13 TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,498	4.4	7.4

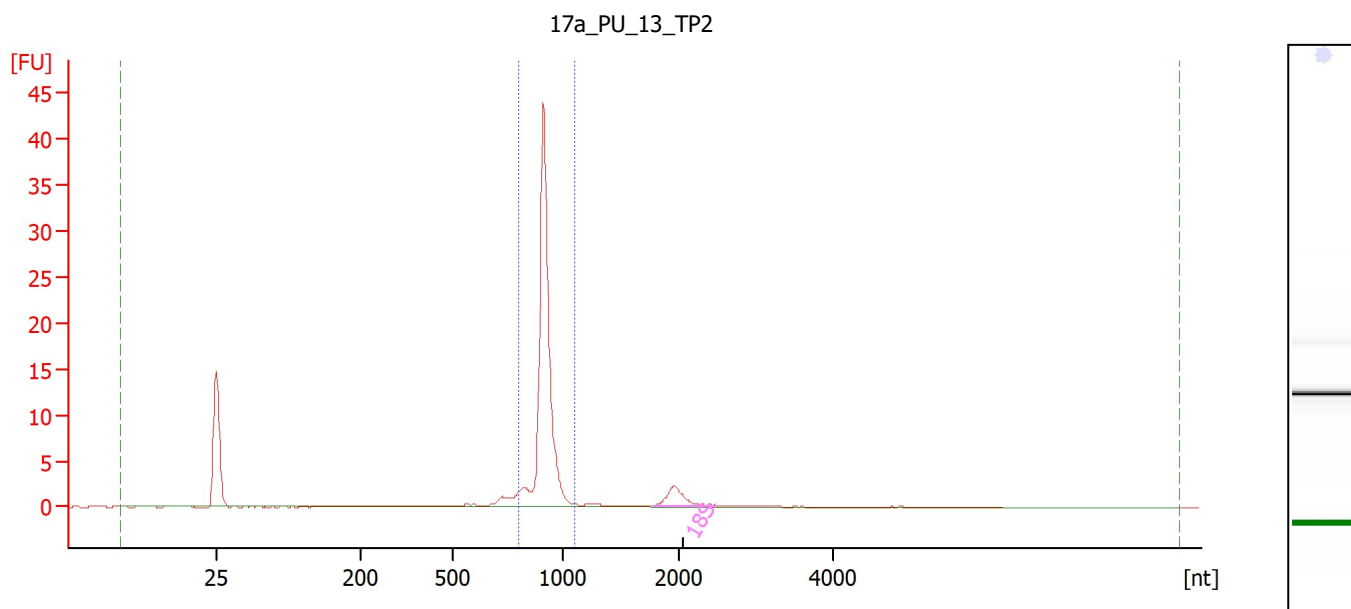
Region table for sample 2 : 17a PU 13 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	50.2	84	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a PU 13 TP2

RNA Area:	74.4	Result Flagging Color:	
RNA Concentration:	41 ng/μl	Result Flagging Label:	RIN: 2.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	58.4
RNA Integrity Number (RIN):	2.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 13 TP2

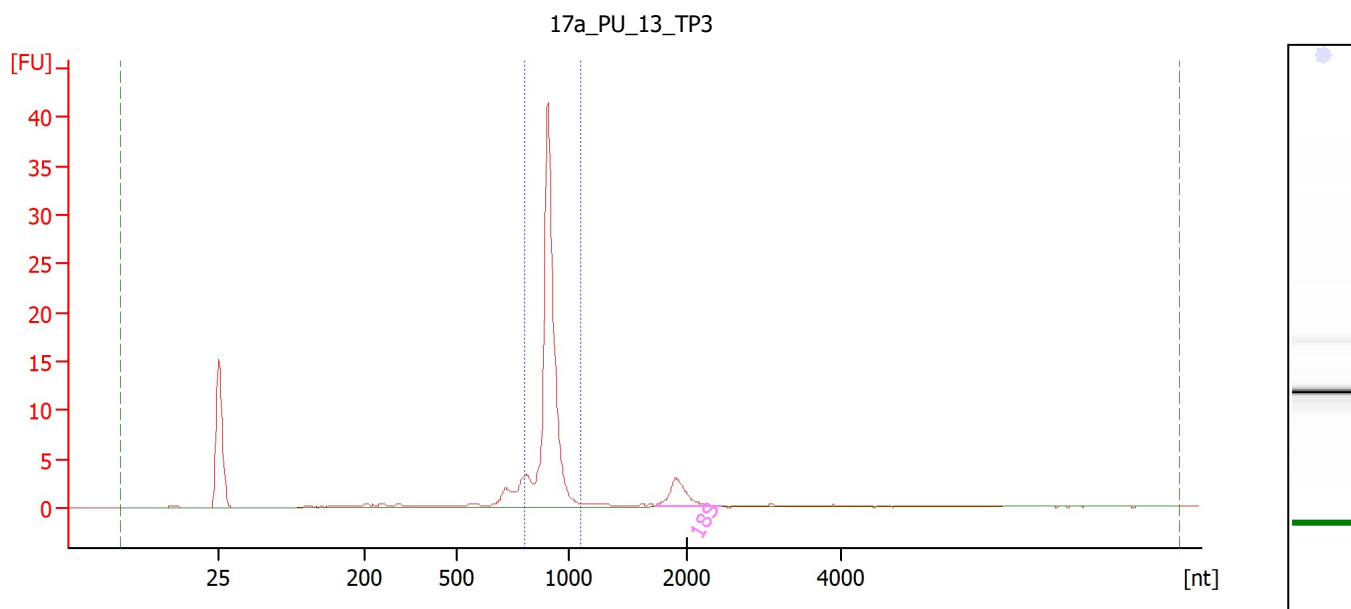
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,761	2,457	4.1	5.6

Region table for sample 3 : 17a PU 13 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	58.4	78	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 13 TP3**

RNA Area:	79.1	Result Flagging Color:	
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN: 2.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	60.5
RNA Integrity Number (RIN):	2.6 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : 17a PU 13 TP3

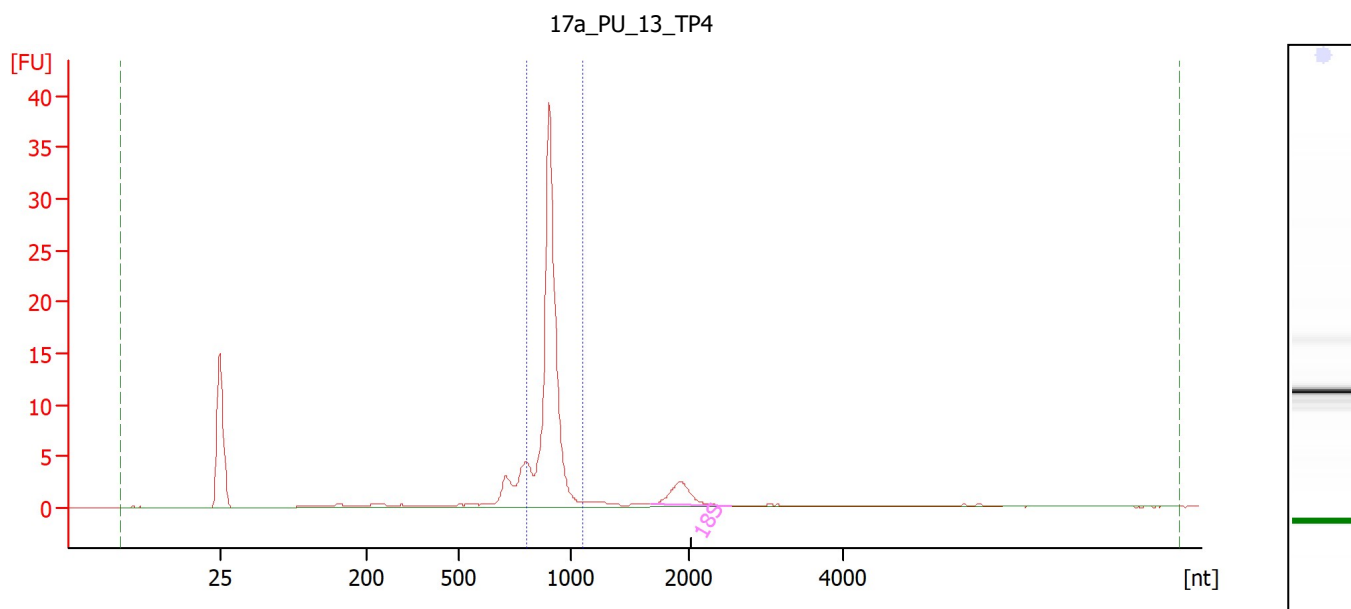
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,458	5.5	6.9

Region table for sample 4 : 17a PU 13 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	60.5	77	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 13 TP4**

RNA Area:	90.2	Result Flagging Color:	
RNA Concentration:	50 ng/μl	Result Flagging Label:	RIN: 2.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	62.7
RNA Integrity Number (RIN):	2.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 5 : 17a PU 13 TP4

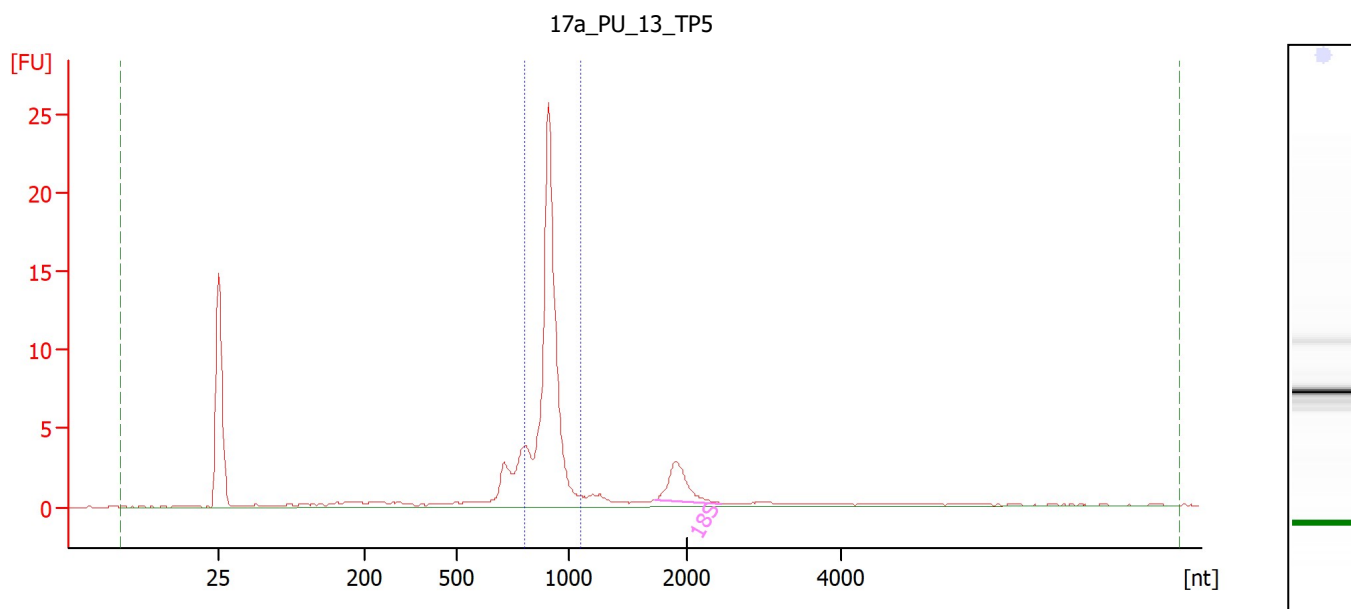
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	2,555	5.5	6.1

Region table for sample 5 : 17a PU 13 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	62.7	69	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 13 TP5**

RNA Area:	76.9	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 3.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	47.5
RNA Integrity Number (RIN):	3.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 6 : 17a PU 13 TP5

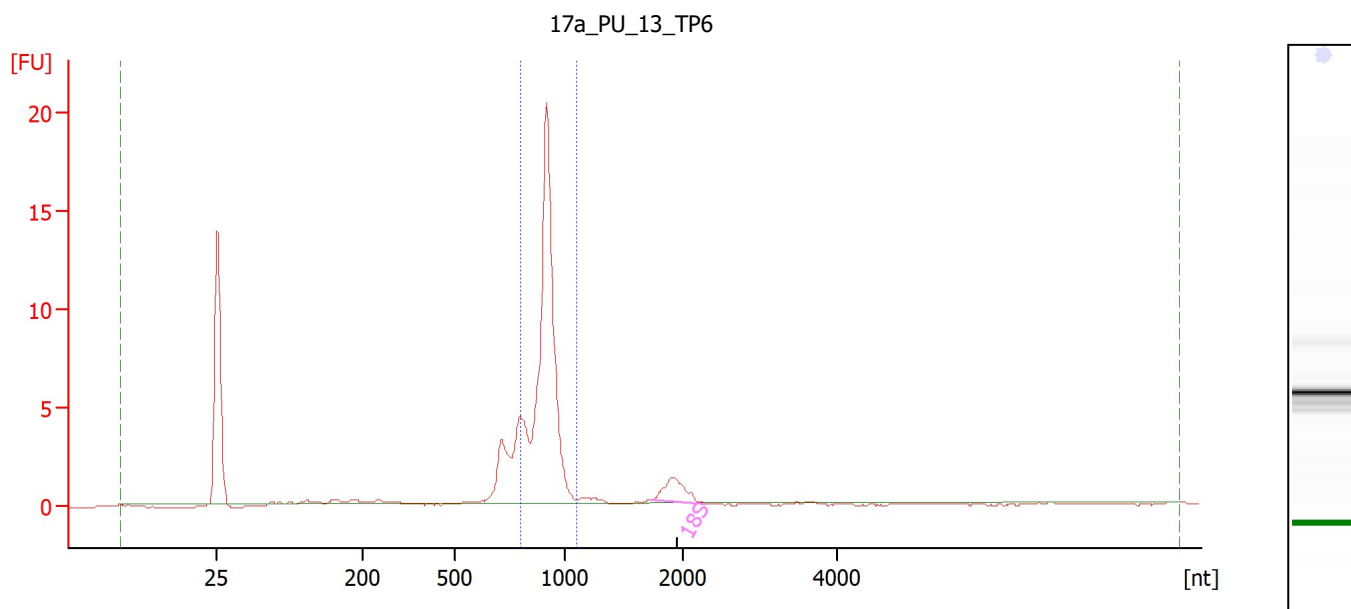
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	2,444	5.7	7.4

Region table for sample 6 : 17a PU 13 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	47.5	62	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 13 TP6**

RNA Area:	58.1	Result Flagging Color:	
RNA Concentration:	32 ng/μl	Result Flagging Label:	RIN: 2.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	41.4
RNA Integrity Number (RIN):	2.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 7 : 17a PU 13 TP6

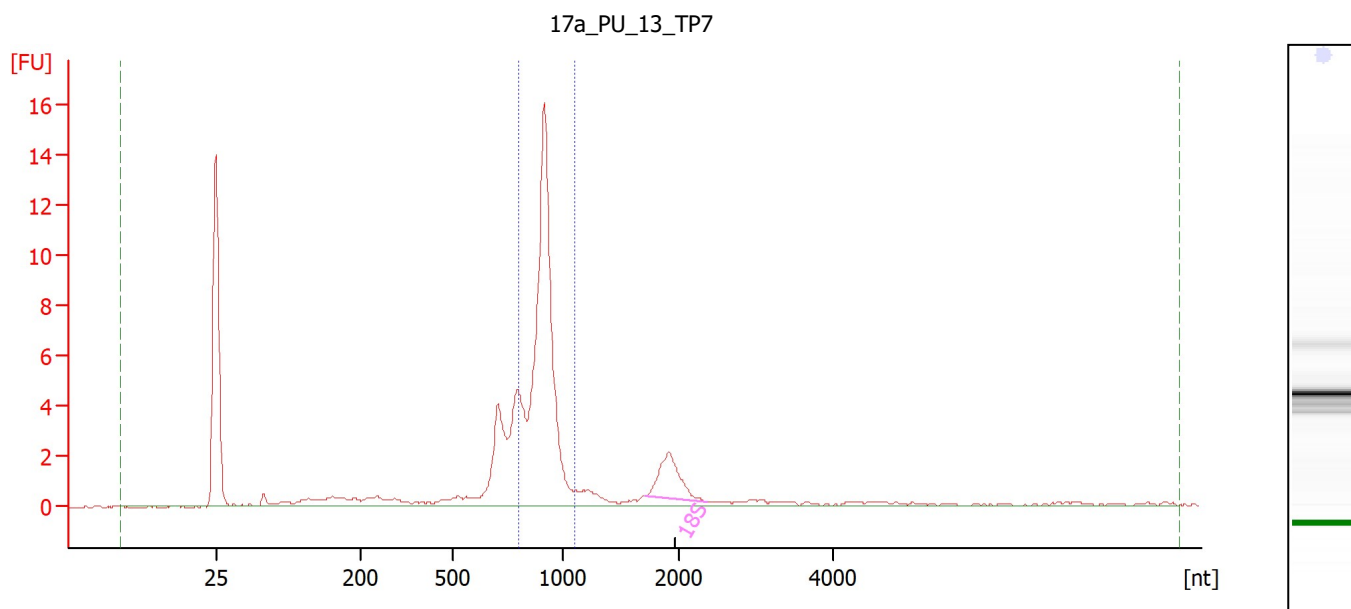
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,726	2,305	3.2	5.6

Region table for sample 7 : 17a PU 13 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	41.4	71	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 13 TP7**

RNA Area:	69.9	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 3.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	37.1
RNA Integrity Number (RIN):	3.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 8 : 17a PU 13 TP7

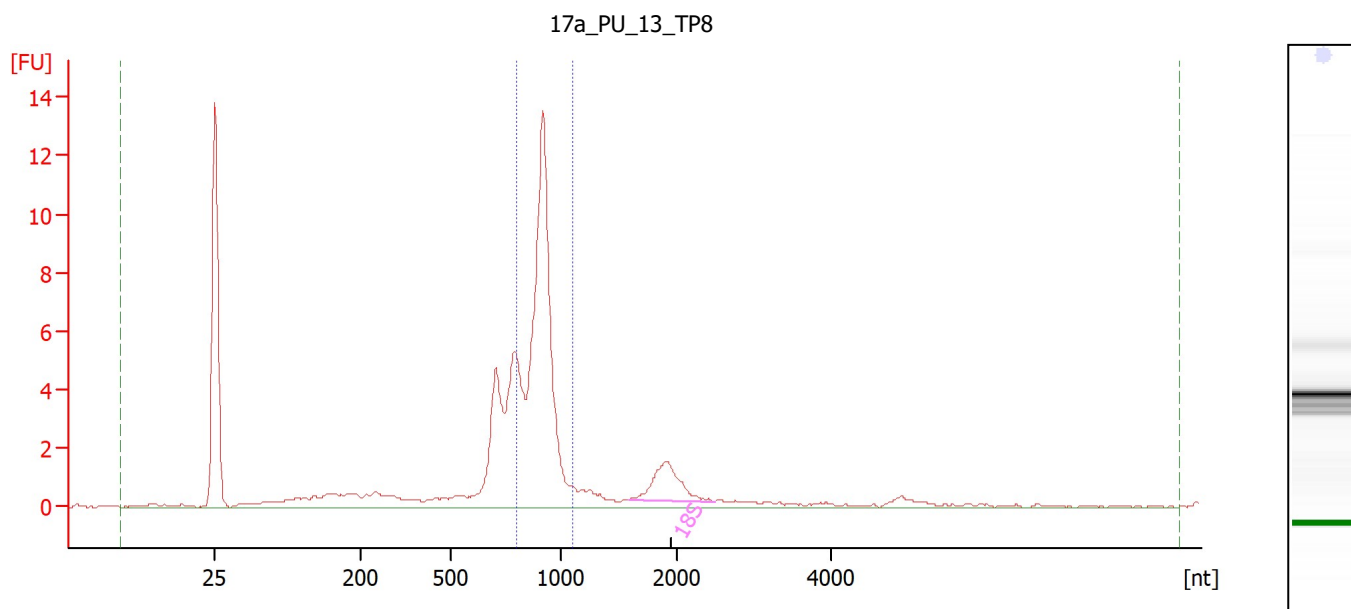
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,346	4.4	6.4

Region table for sample 8 : 17a PU 13 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	37.1	53	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 13 TP8**

RNA Area:	76.6	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 3.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	35.4
RNA Integrity Number (RIN):	3.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 9 : 17a PU 13 TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	2,471	4.3	5.6

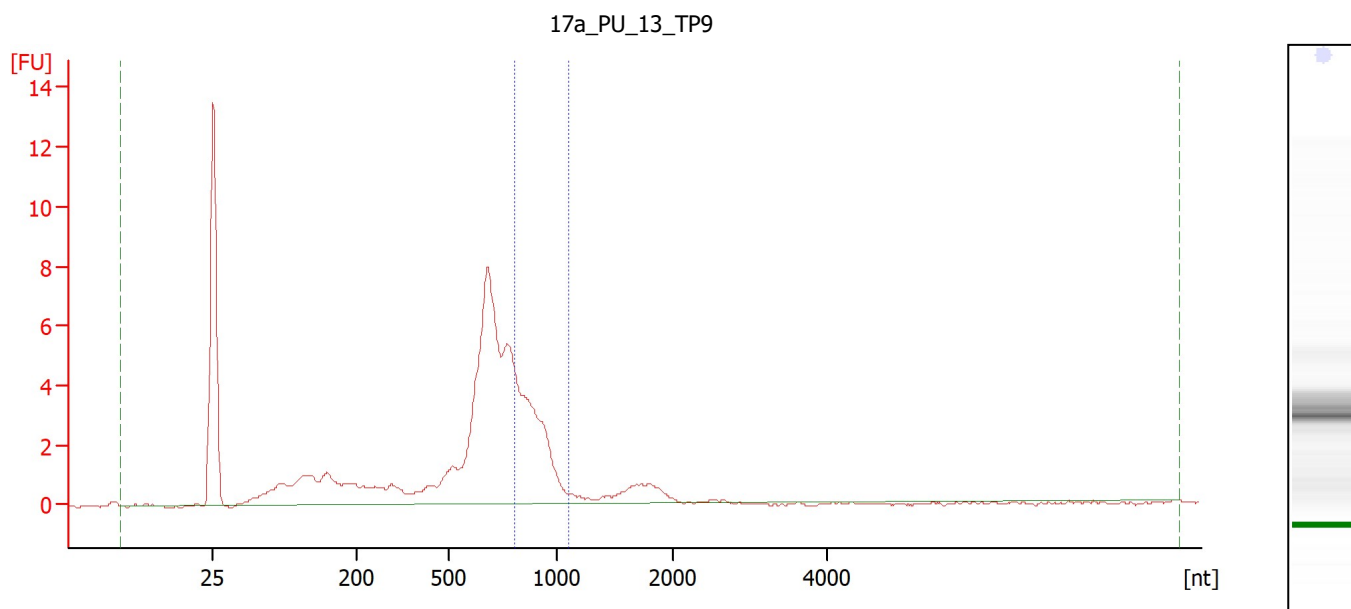
Region table for sample 9 : 17a PU 13 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	35.4	46	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a PU 13 TP9

RNA Area:	75.0	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	16.4
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

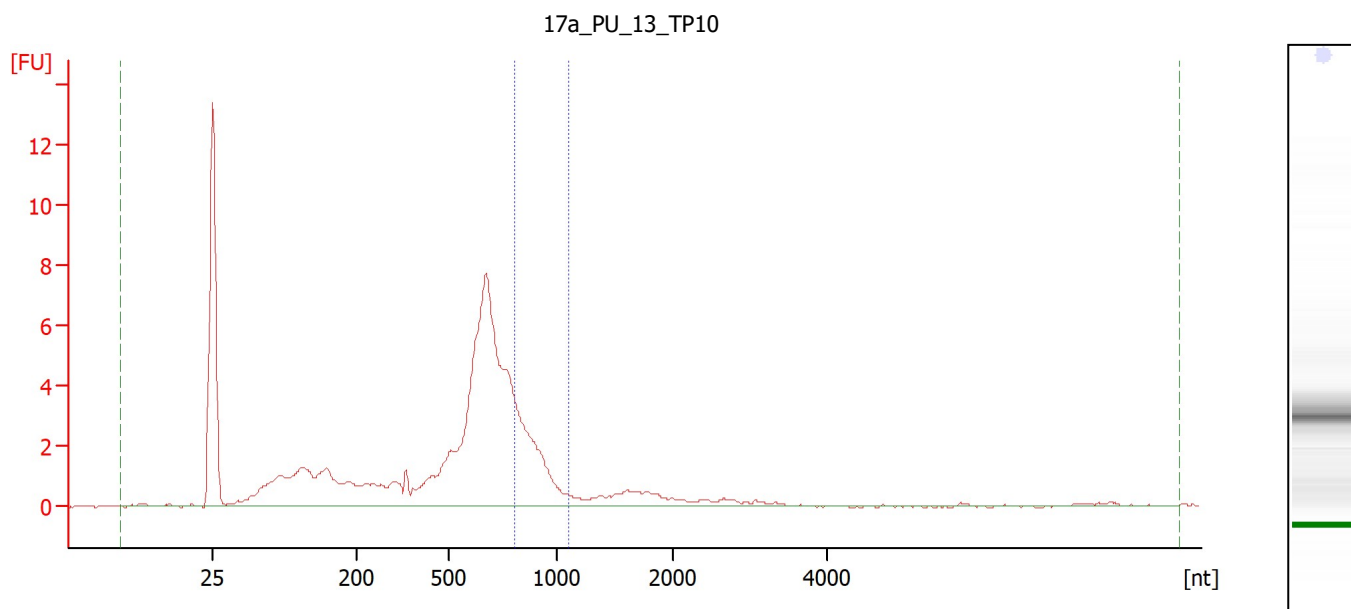
Region table for sample 10 : 17a PU 13 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	16.4	22	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
 Modified: 12/10/2020 4:20:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 13 TP10

RNA Area:	80.8	Result Flagging Color:	
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.4
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 13 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	11.4	14	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_15-49-28.xad

Created: 12/10/2020 3:49:27 PM
Modified: 12/10/2020 4:20:36 PM

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