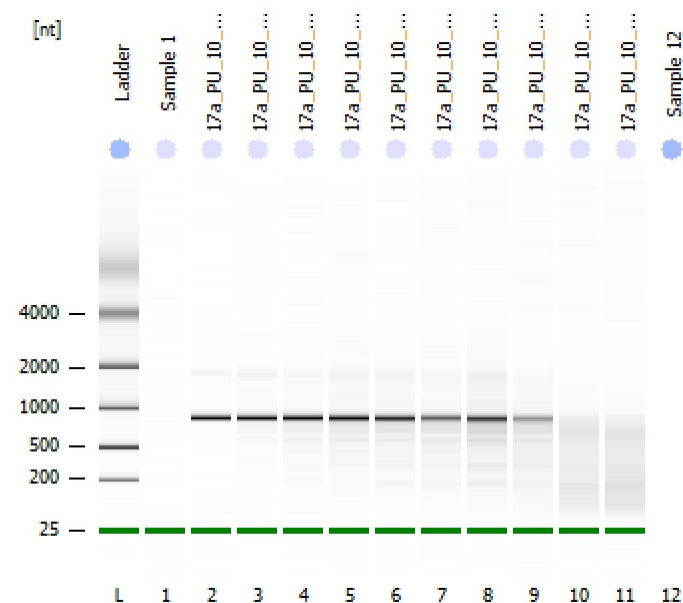


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
Modified: 12/10/2020 3:06:03 PM

Electrophoresis File Run Summary



Instrument 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)

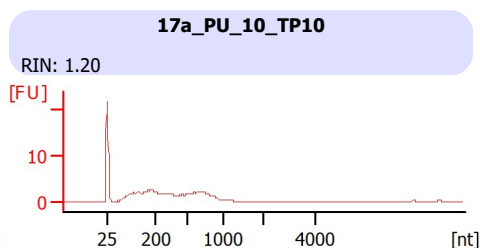
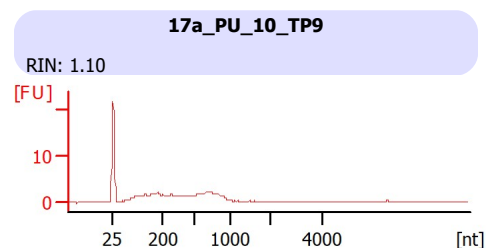
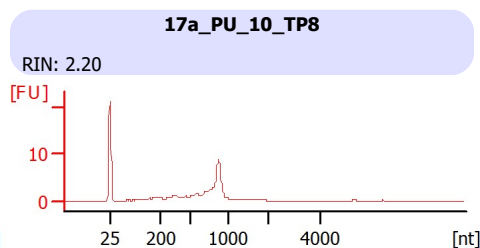
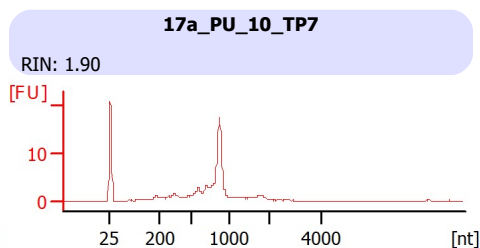
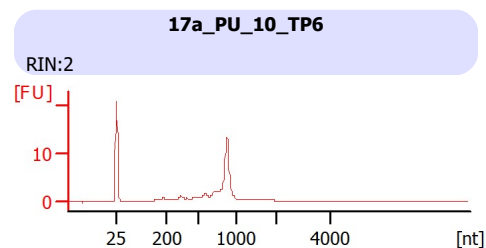
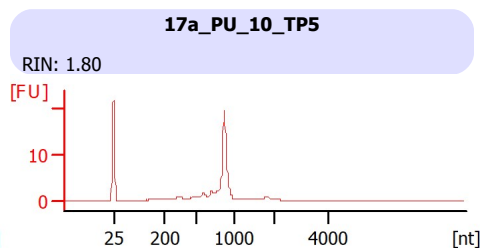
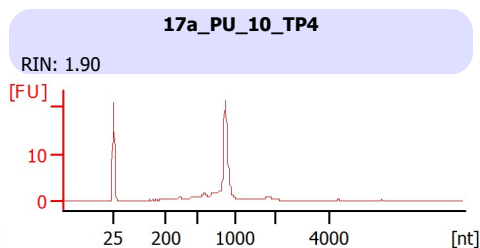
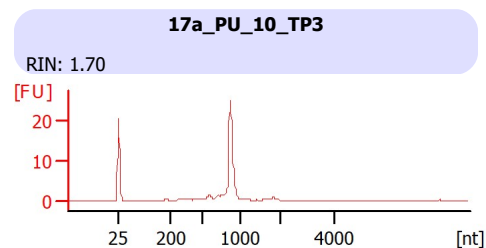
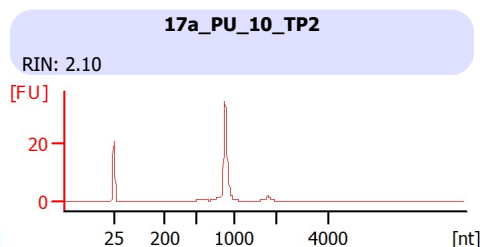
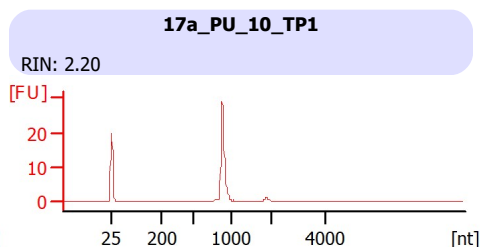
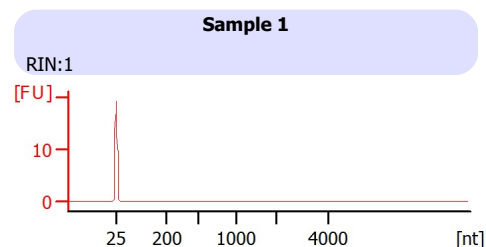
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Chip Information:

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_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
Modified: 12/10/2020 3:06:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_10_TP1		✓ RIN: 2.20	
17a_PU_10_TP2		✓ RIN: 2.10	
17a_PU_10_TP3		✓ RIN: 1.70	
17a_PU_10_TP4		✓ RIN: 1.90	
17a_PU_10_TP5		✓ RIN: 1.80	
17a_PU_10_TP6		✓ RIN:2	
17a_PU_10_TP7		✓ RIN: 1.90	
17a_PU_10_TP8		✓ RIN: 2.20	
17a_PU_10_TP9		✓ RIN: 1.10	
17a_PU_10_TP10		✓ RIN: 1.20	
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_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
Modified: 12/10/2020 3:06:03 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

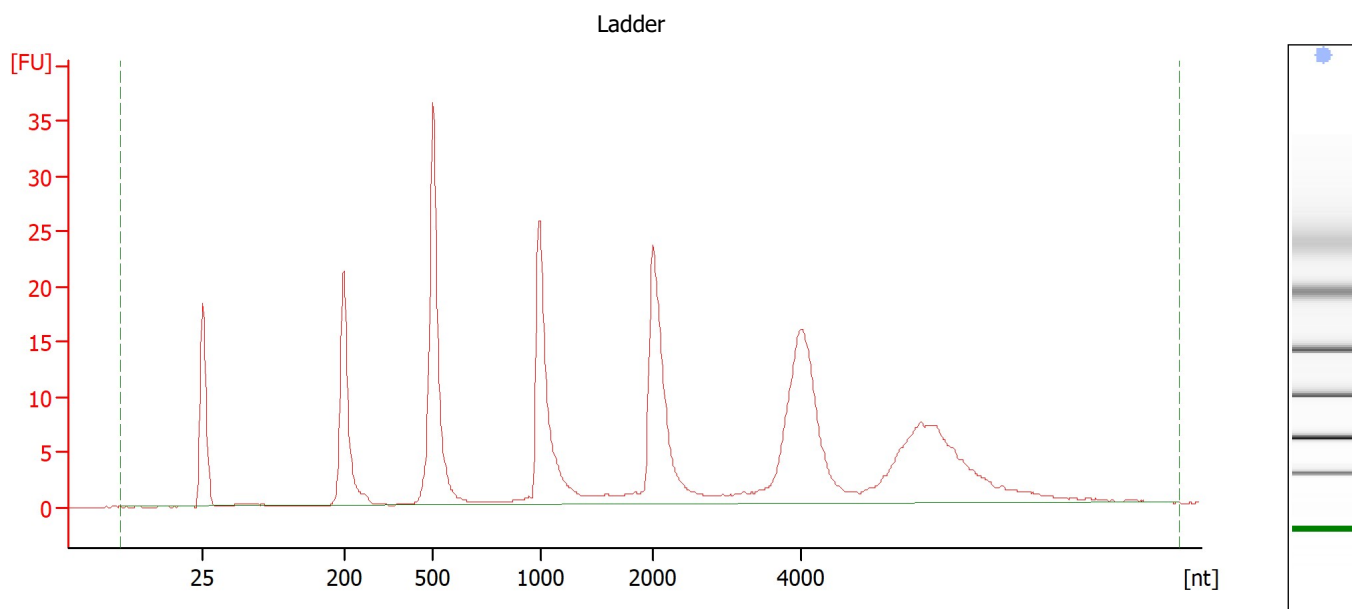
Ladder

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_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 286.6

Result Flagging Color:



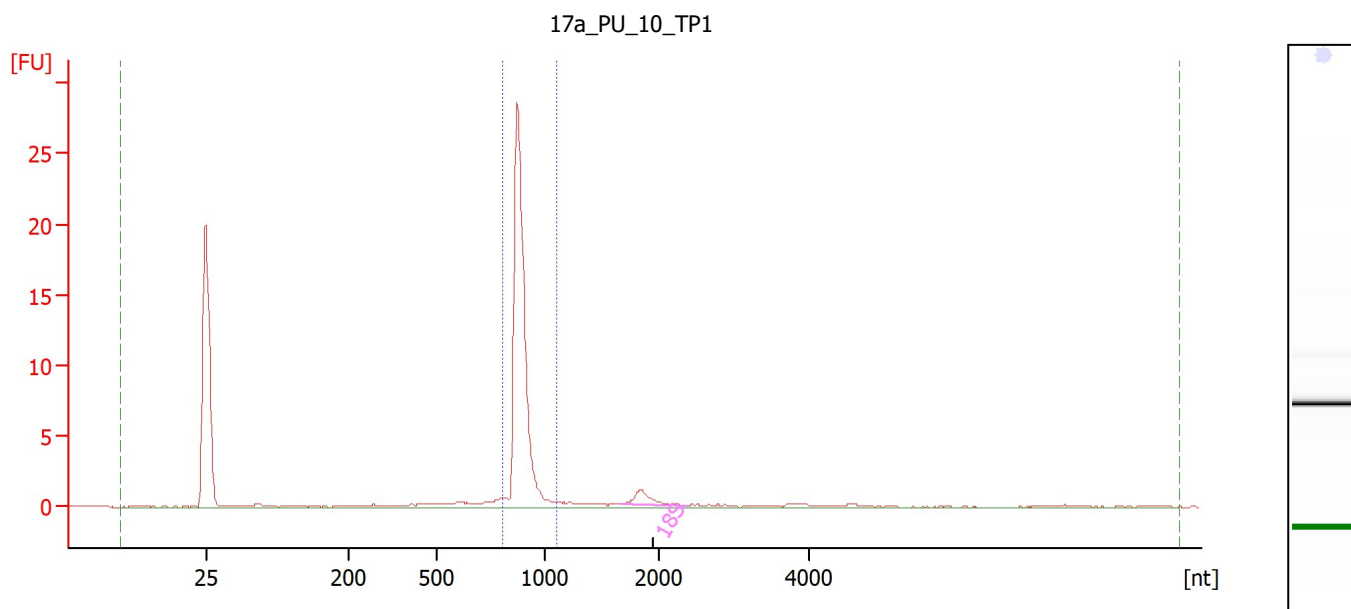
RNA Concentration: 150 ng/μl

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_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 10 TP1**

RNA Area:	59.8	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	31 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	42.9
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 2 : 17a PU 10 TP1

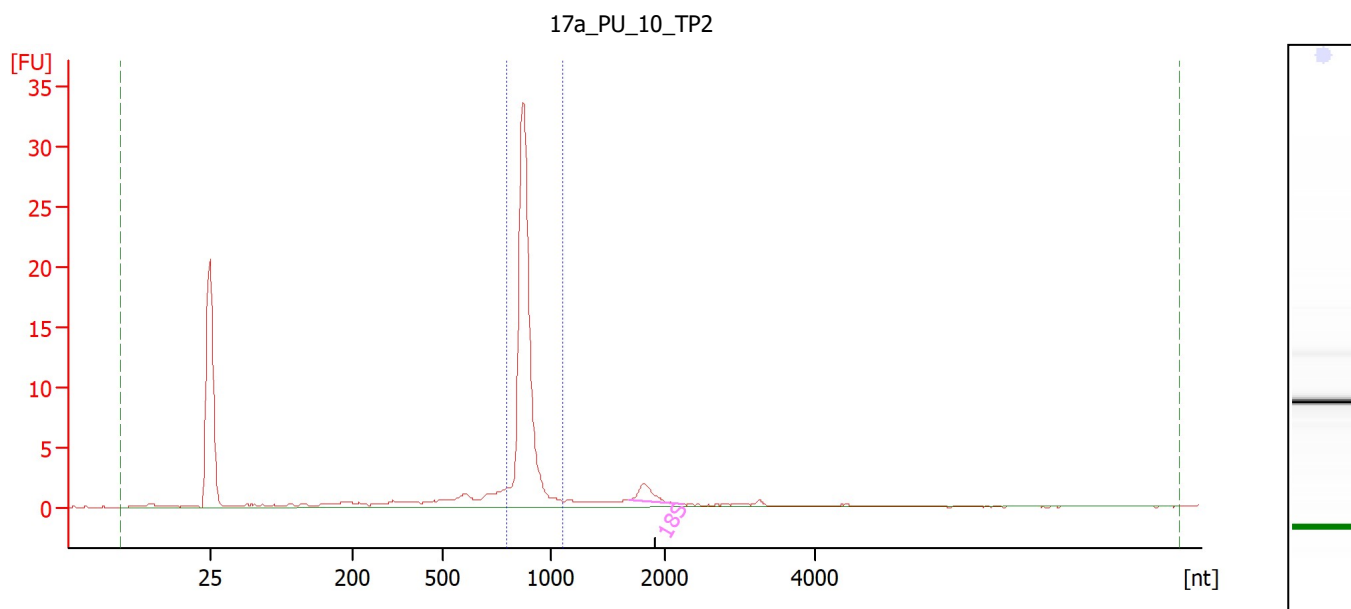
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	2,375	2.1	3.6

Region table for sample 2 : 17a PU 10 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	42.9	72	<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_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 10 TP2**

RNA Area:	81.8	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	52.4
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : 17a PU 10 TP2

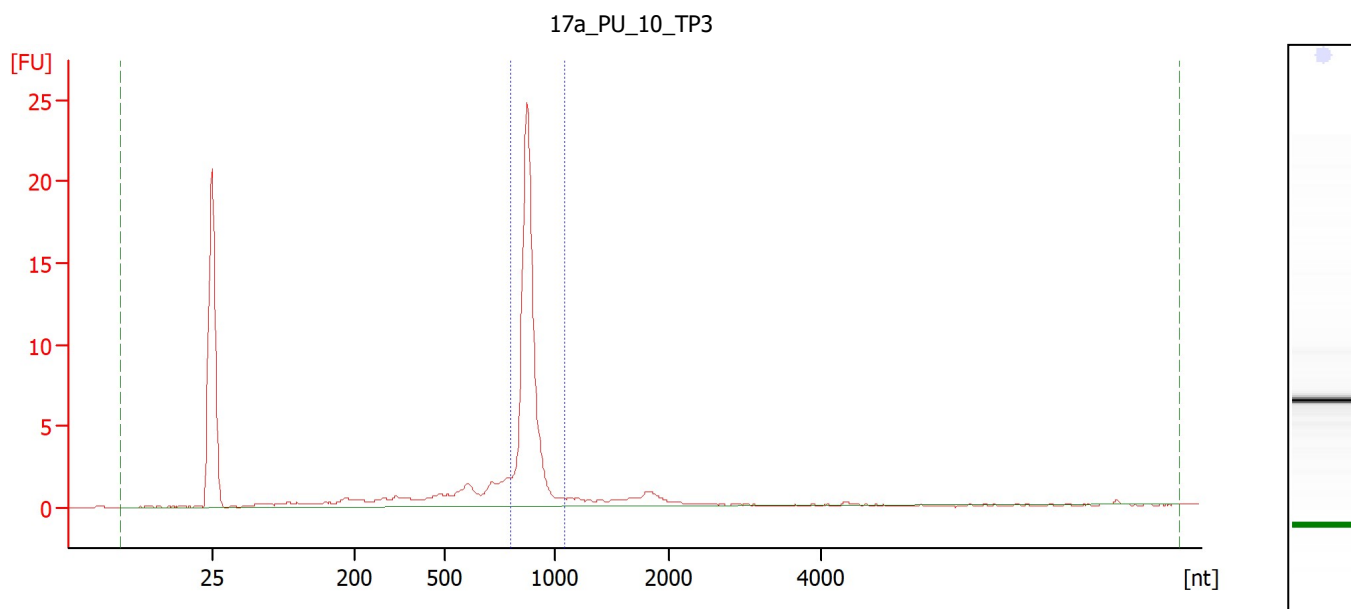
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	2,221	2.7	3.3

Region table for sample 3 : 17a PU 10 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	52.4	64	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 10 TP3**

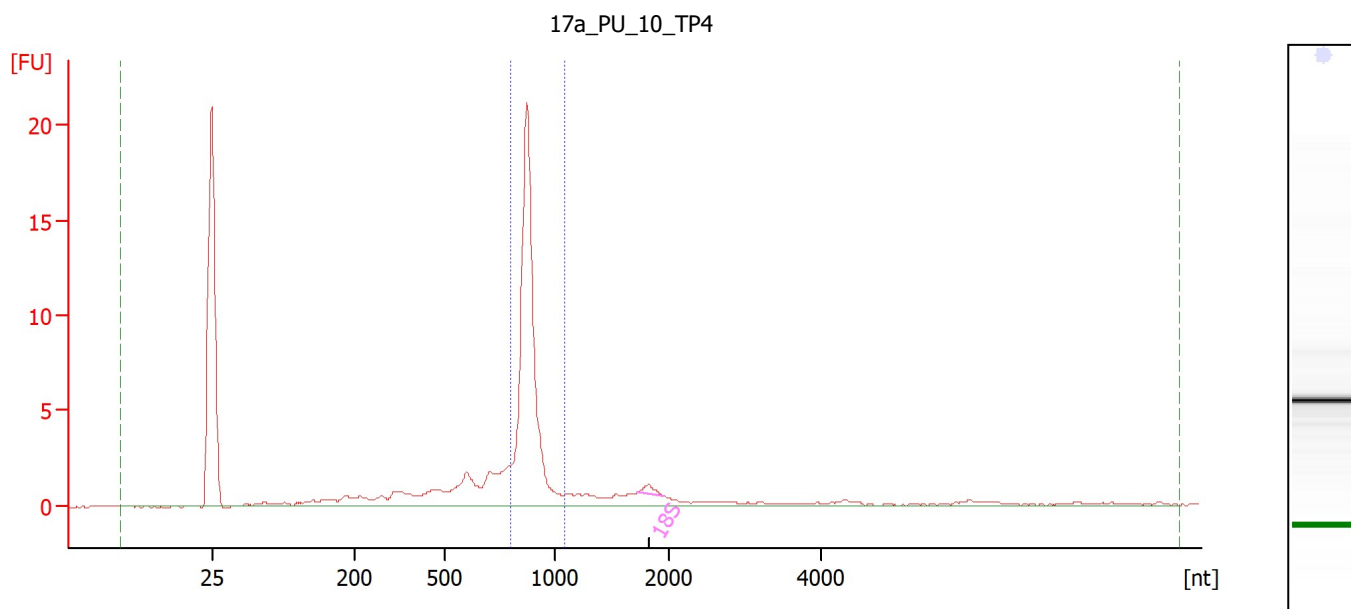
RNA Area:	72.3	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	42.2
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 4 : 17a PU 10 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	42.2	58	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 10 TP4**

RNA Area:	72.9	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	38.0
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 5 : 17a PU 10 TP4

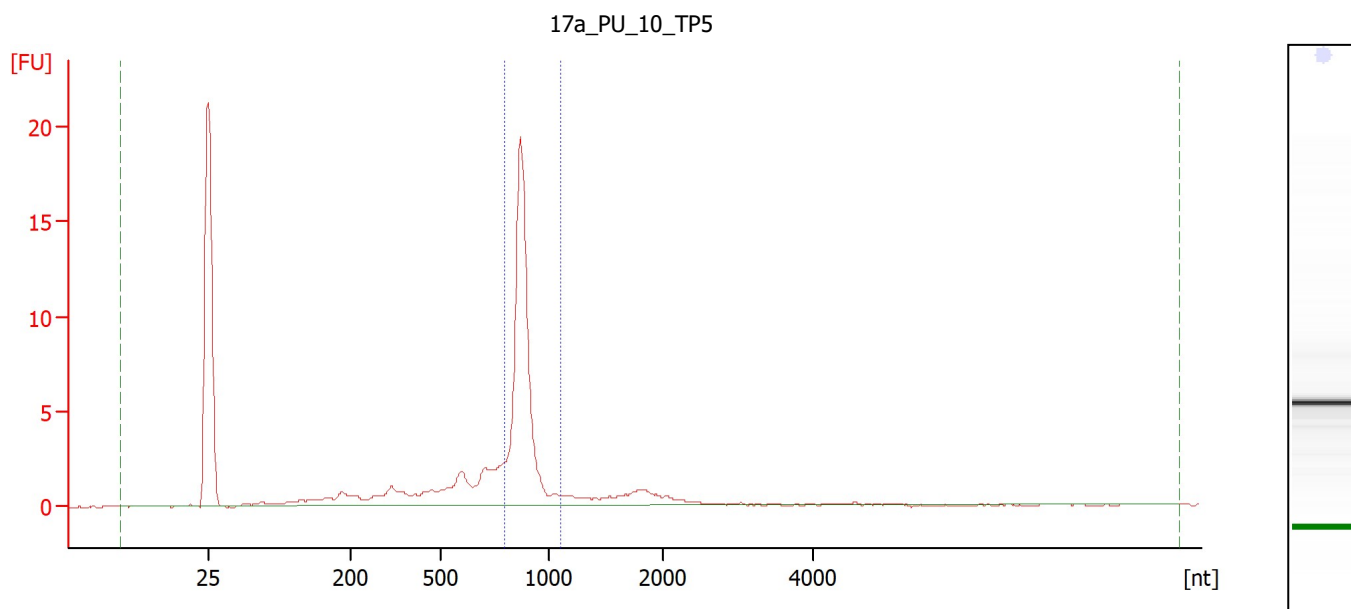
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	1,942	0.6	0.8

Region table for sample 5 : 17a PU 10 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	38.0	52	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 10 TP5**

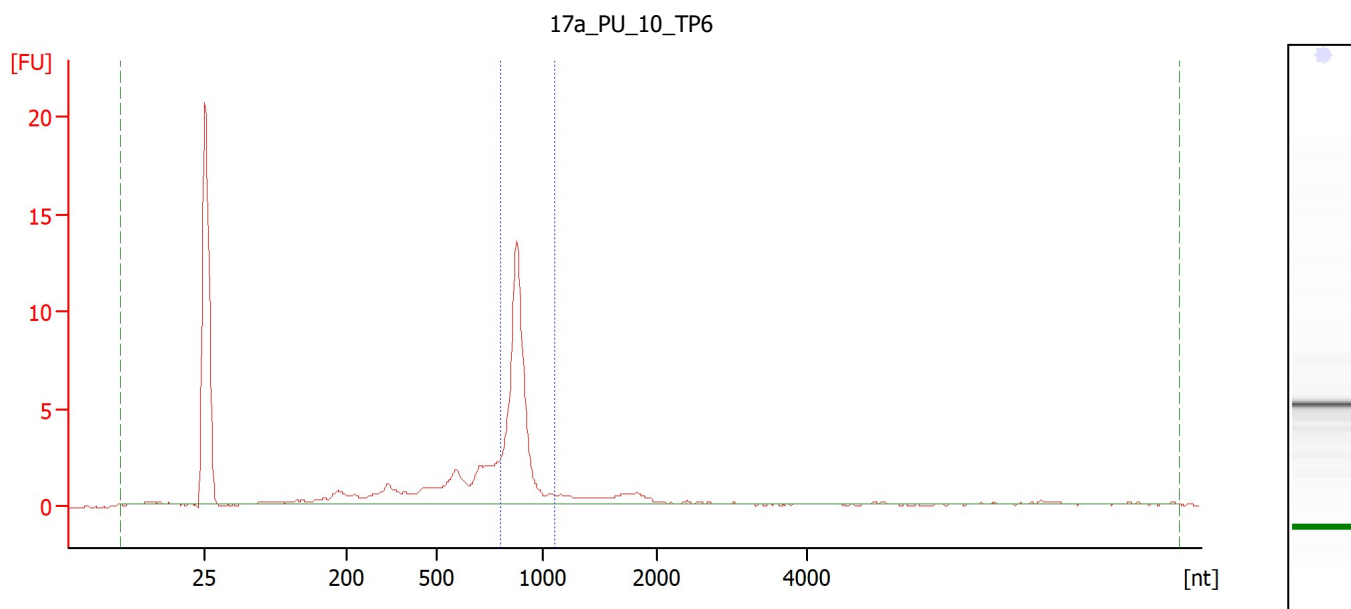
RNA Area:	68.4	Result Flagging Color:	
RNA Concentration:	36 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	36.0
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 6 : 17a PU 10 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	36.0	53	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 10 TP6**

RNA Area:	58.5	Result Flagging Color:	
RNA Concentration:	31 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	27.9
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

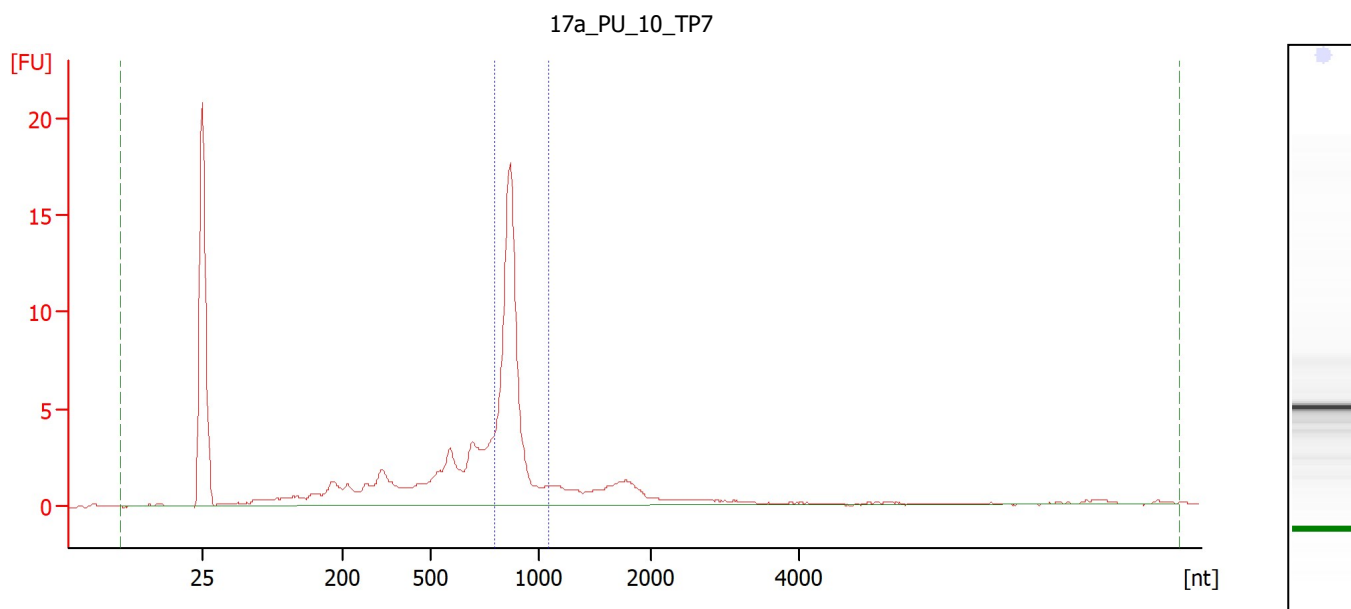
Region table for sample 7 : 17a PU 10 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	27.9	48	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 17a PU 10 TP7

RNA Area:	91.2	Result Flagging Color:	
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	37.2
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

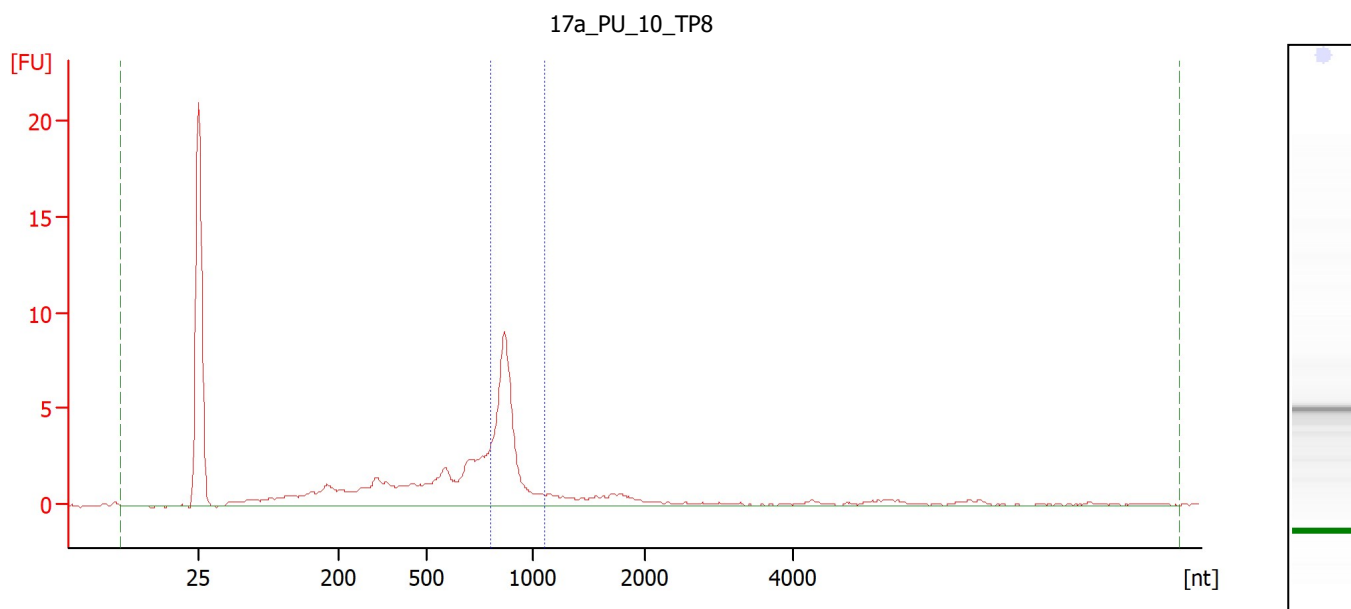
Region table for sample 8 : 17a PU 10 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	37.2	41	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17a PU 10 TP8

RNA Area:	67.2	Result Flagging Color:	
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	21.8
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

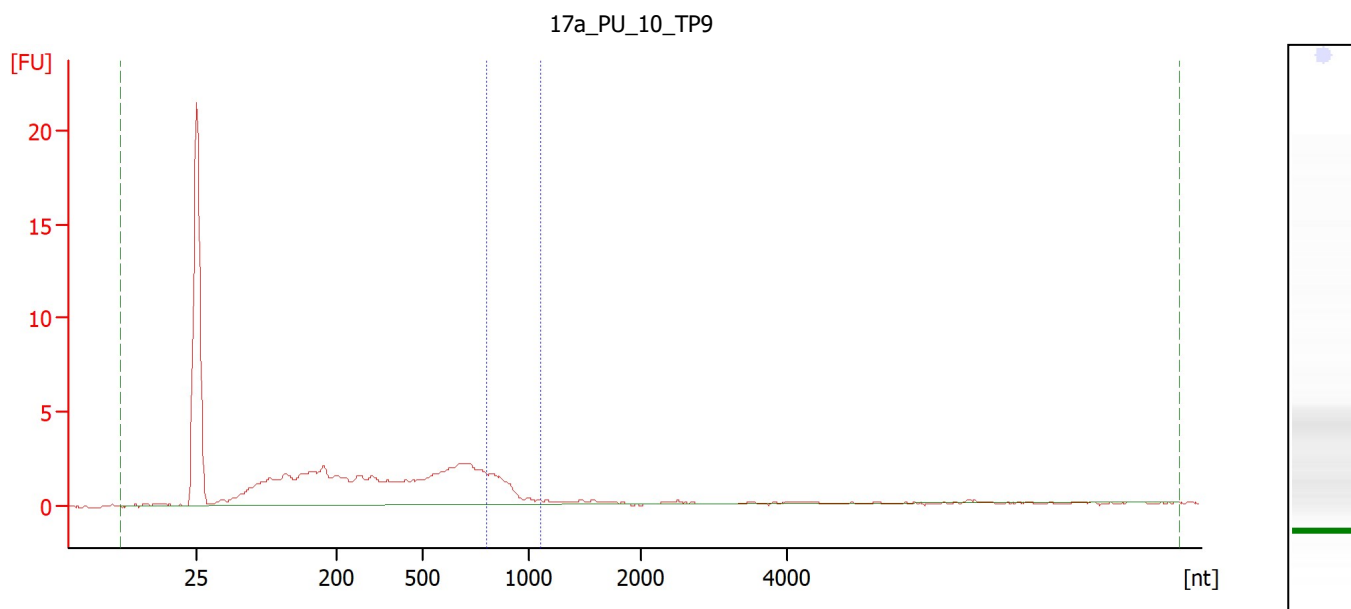
Region table for sample 9 : 17a PU 10 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	21.8	32	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a_PU_10_TP9

RNA Area:	69.7	Result Flagging Color:	
RNA Concentration:	36 ng/μl	Result Flagging Label:	RIN: 1.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	6.2
RNA Integrity Number (RIN):	1.1 (B.02.11, Anomaly Threshold(s) manually adapted)		

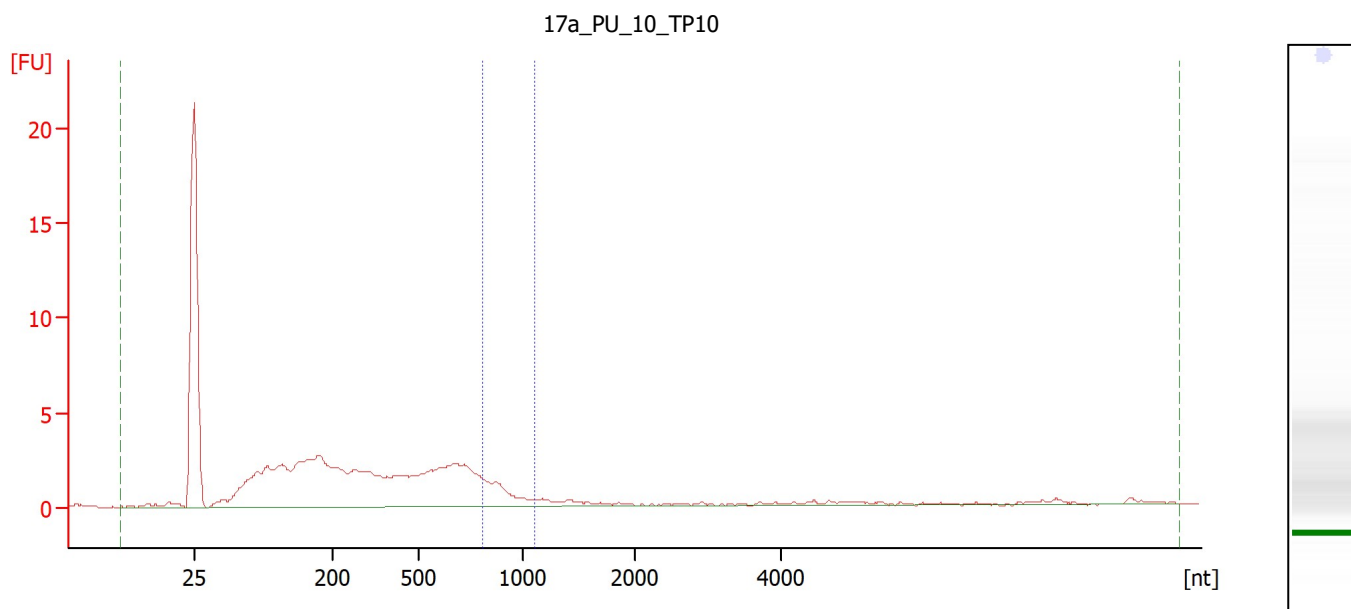
Region table for sample 10 : 17a_PU_10_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	6.2	9	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
 Modified: 12/10/2020 3:06:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 10 TP10

RNA Area:	86.1	Result Flagging Color:	
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 1.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	5.4
RNA Integrity Number (RIN):	1.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 10 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	5.4	6	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_13-20-33.xad

Created: 12/10/2020 1:20:33 PM
Modified: 12/10/2020 3:06:03 PM

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