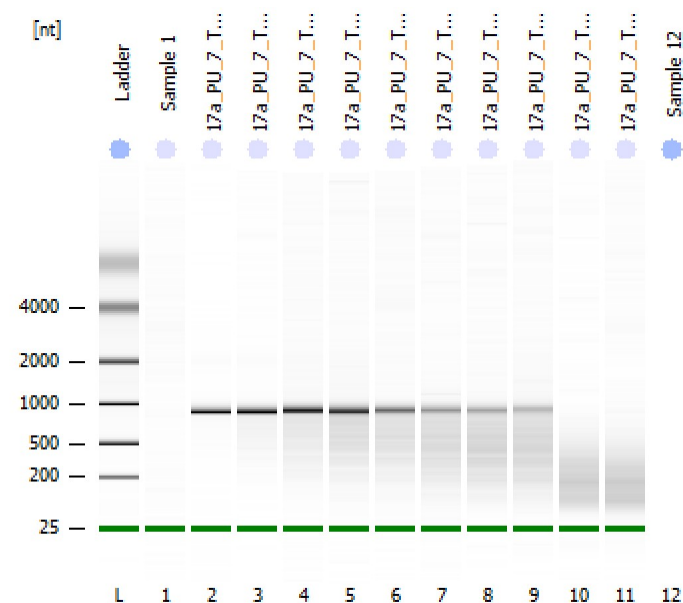


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
Modified: 12/10/2020 3:07:31 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901420
Serial#: DE72901420

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)

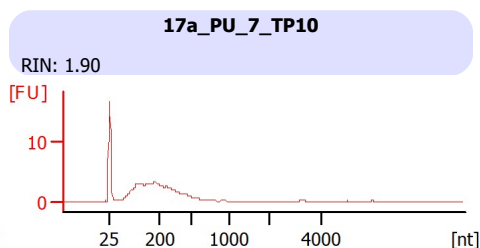
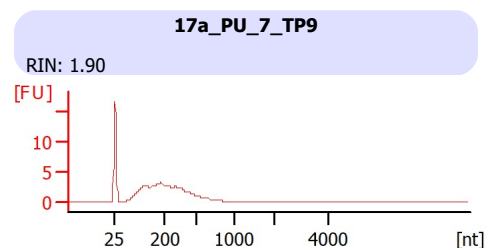
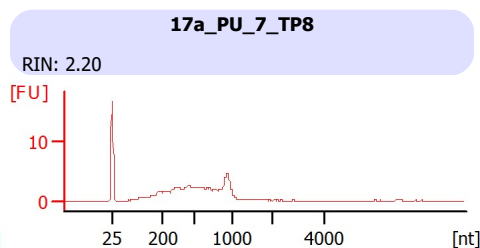
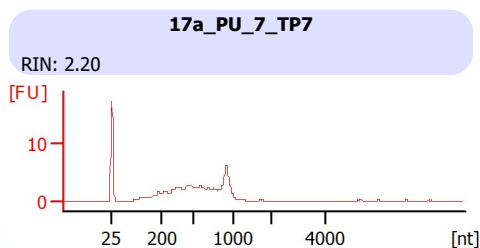
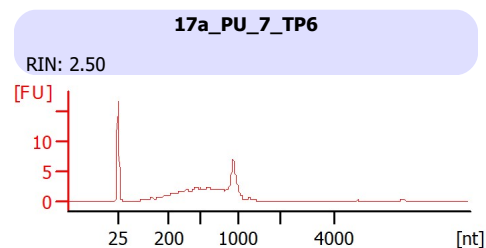
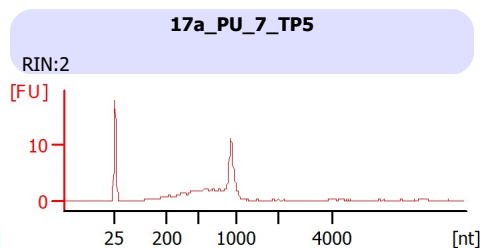
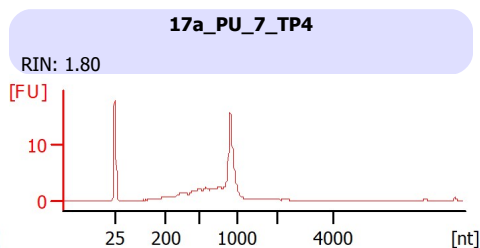
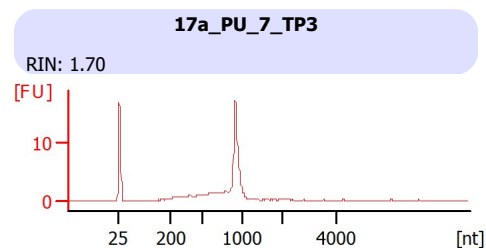
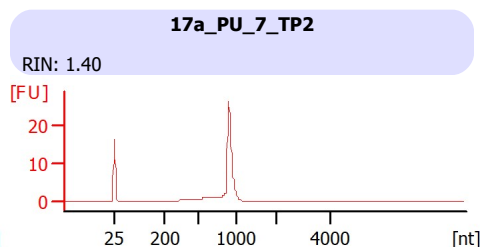
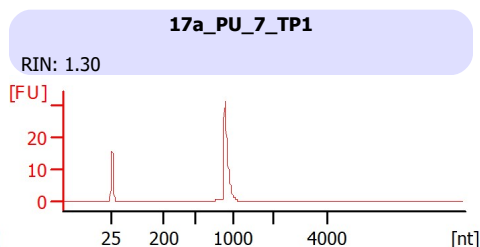
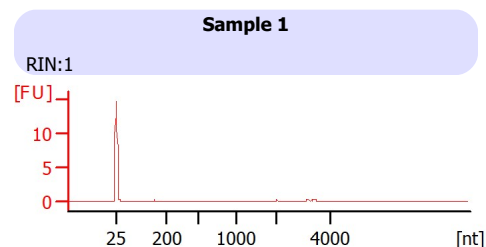
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
Modified: 12/10/2020 3:07:31 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Sample 1		✓ RIN:1	
17a_PU_7_TP1		✓ RIN: 1.30	
17a_PU_7_TP2		✓ RIN: 1.40	
17a_PU_7_TP3		✓ RIN: 1.70	
17a_PU_7_TP4		✓ RIN: 1.80	
17a_PU_7_TP5		✓ RIN:2	
17a_PU_7_TP6		✓ RIN: 2.50	
17a_PU_7_TP7		✓ RIN: 2.20	
17a_PU_7_TP8		✓ RIN: 2.20	
17a_PU_7_TP9		✓ RIN: 1.90	
17a_PU_7_TP10		✓ RIN: 1.90	
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_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
Modified: 12/10/2020 3:07:31 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

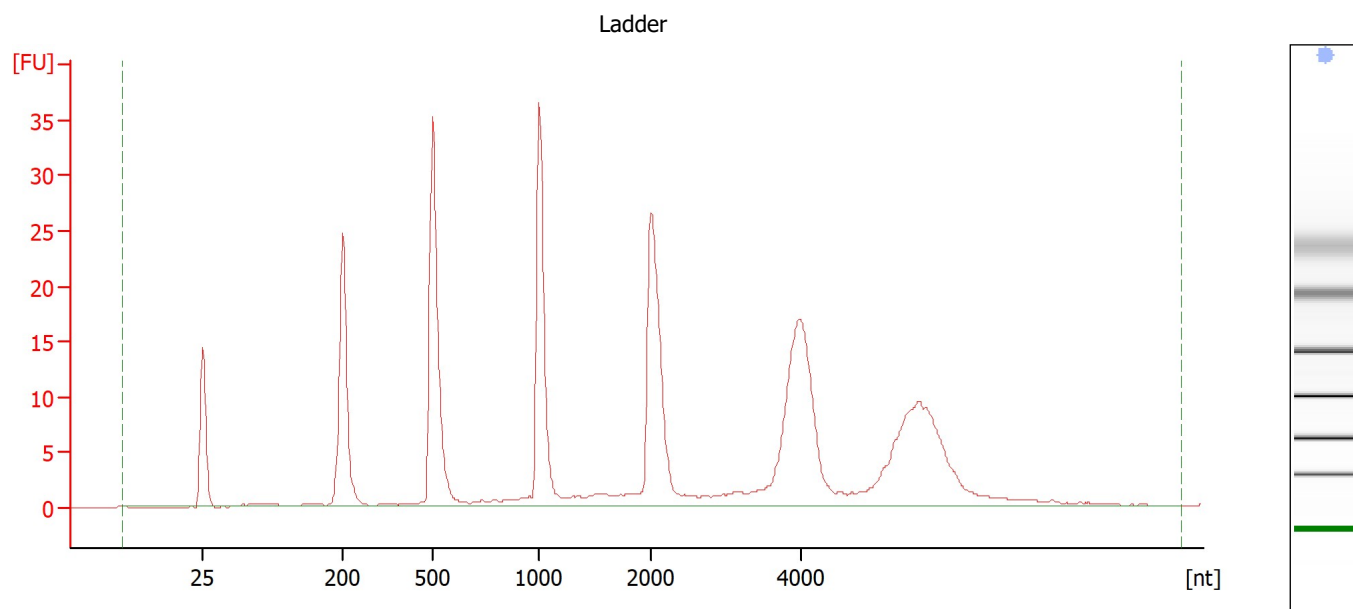
Ladder

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_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 287.3

Result Flagging Color:



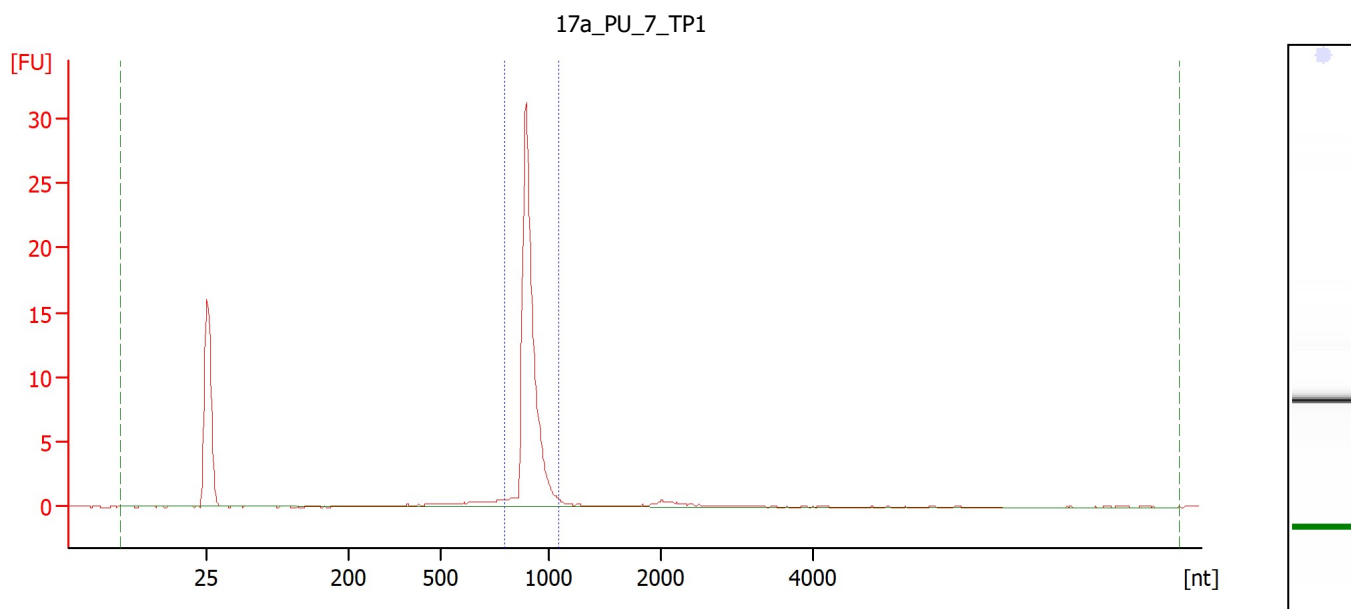
RNA Concentration: 150 ng/μl

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_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 7 TP1**

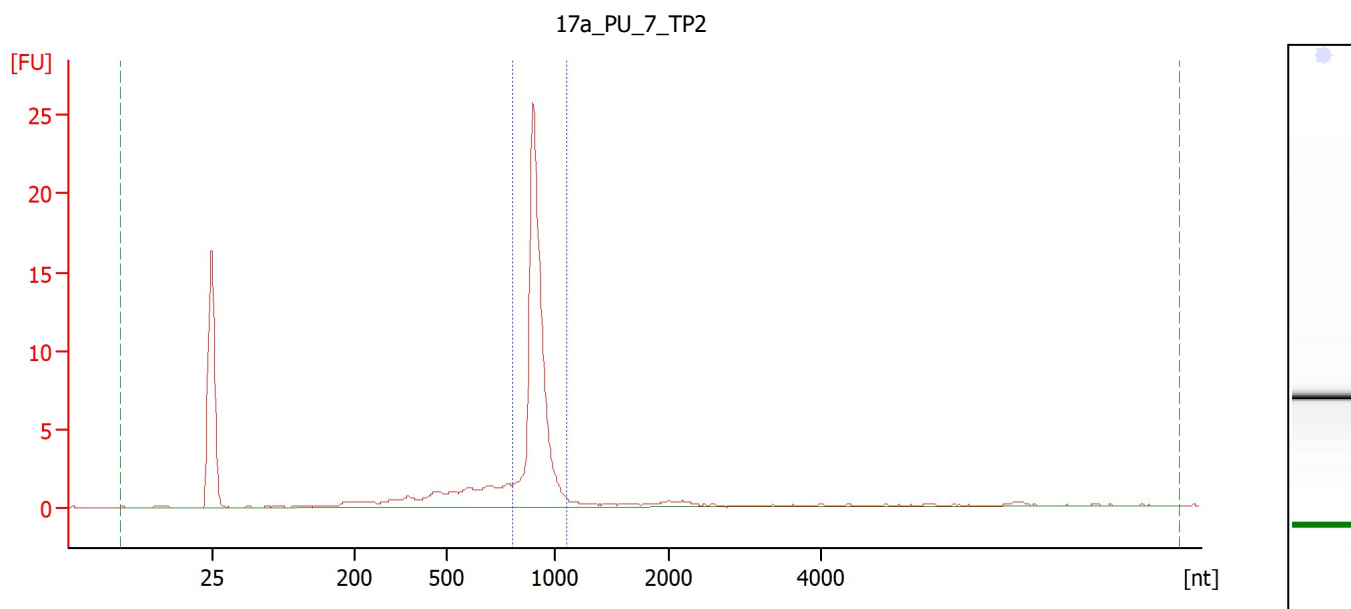
RNA Area:	53.2	Result Flagging Color:	<div style="background-color: #d9e1f2; border: 1px solid black; width: 30px; height: 15px;"></div>
RNA Concentration:	28 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	46.9
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 2 : 17a PU 7 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	46.9	88	<div style="background-color: #0000ff; width: 20px; height: 15px;"></div>

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a PU 7 TP2**

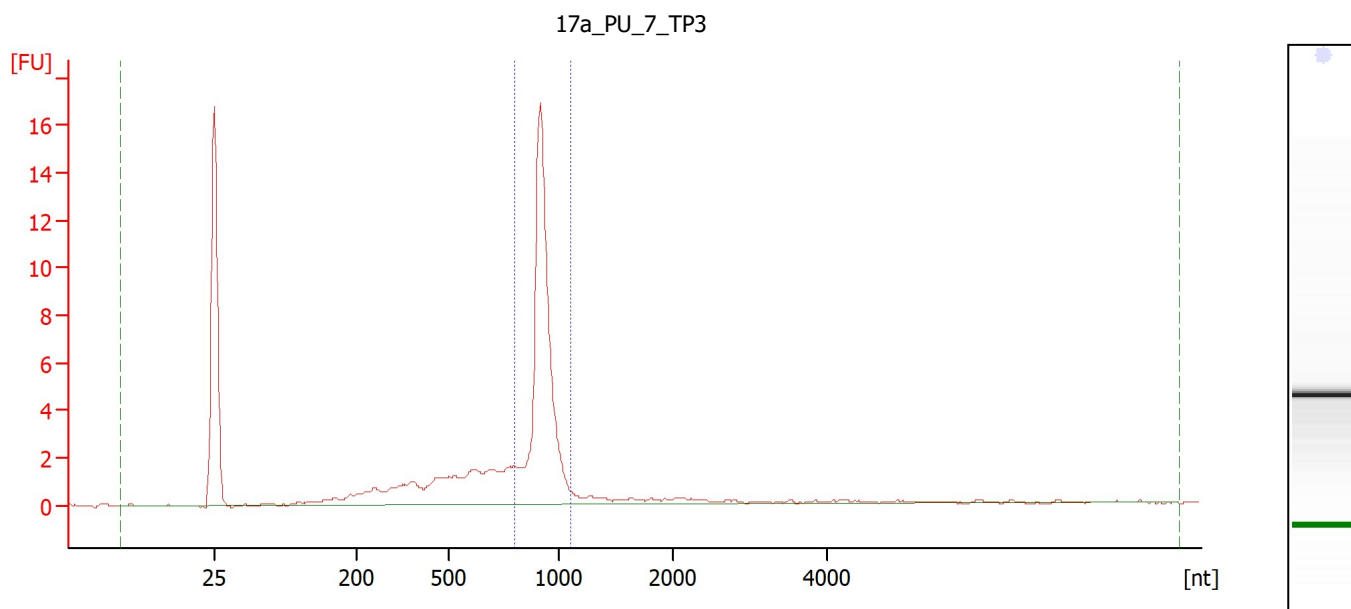
RNA Area:	66.5	Result Flagging Color:	
RNA Concentration:	35 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	46.0
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 3 : 17a PU 7 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	46.0	69	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 7 TP3**

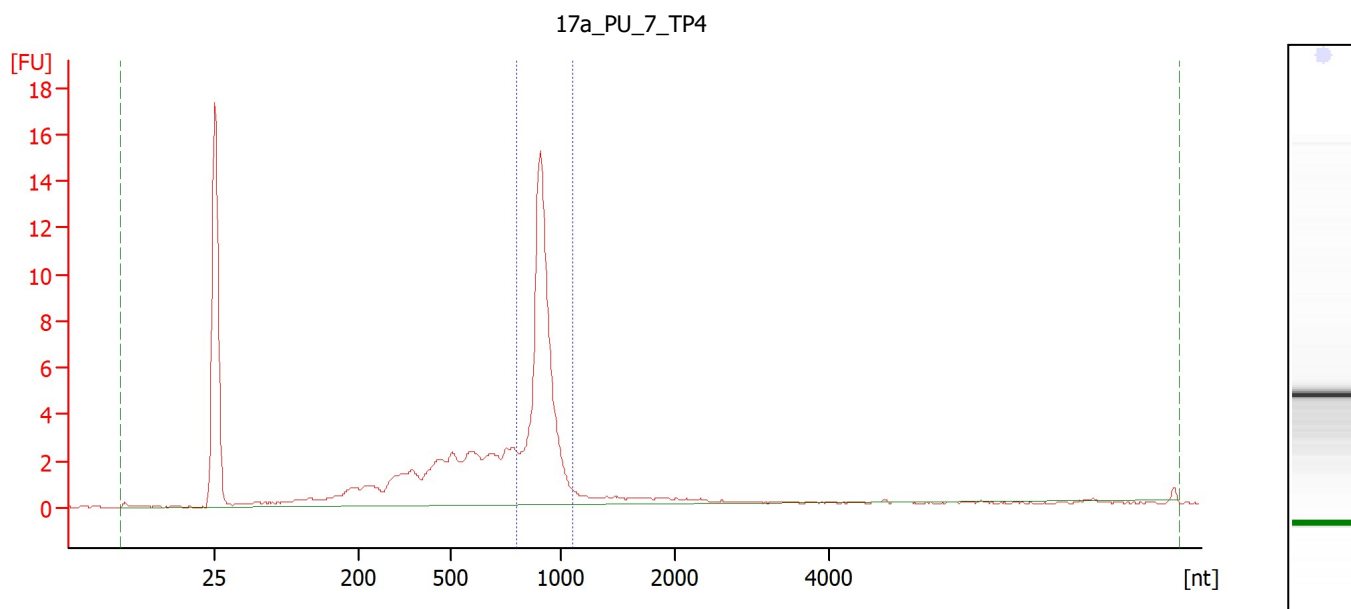
RNA Area:	65.3	Result Flagging Color:	
RNA Concentration:	34 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	33.9
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 4 : 17a PU 7 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	33.9	52	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a PU 7 TP4**

RNA Area:	82.1	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	34.6
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

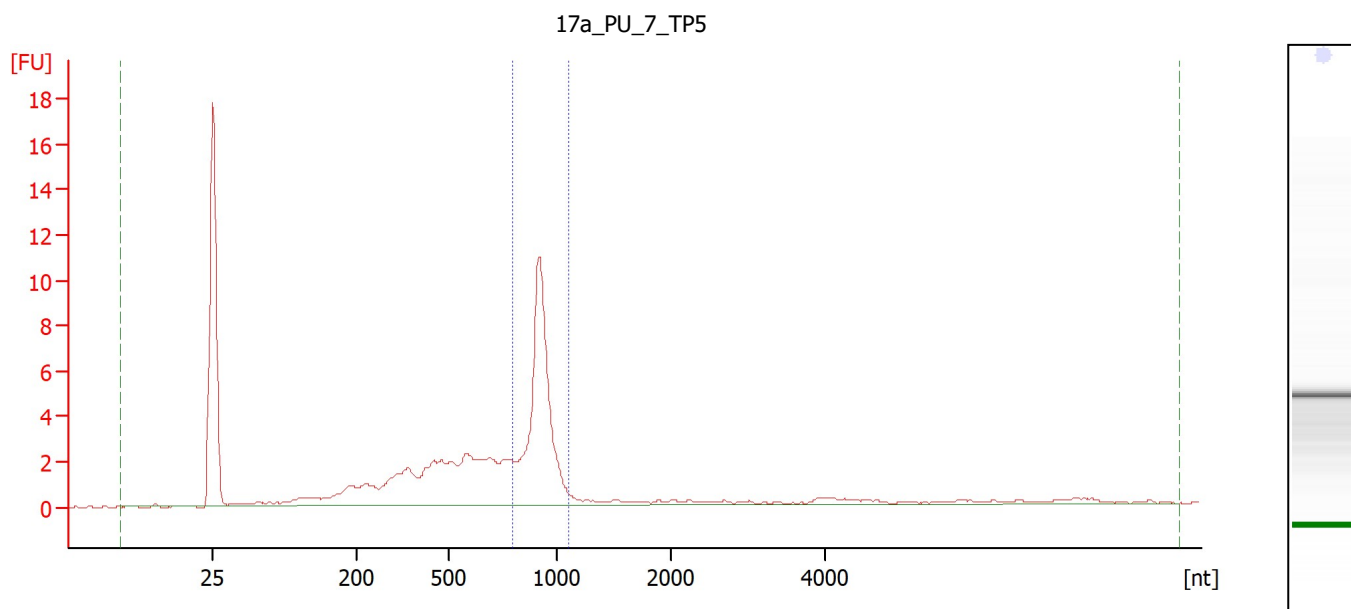
Region table for sample 5 : 17a PU 7 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	34.6	42	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 17a PU 7 TP5

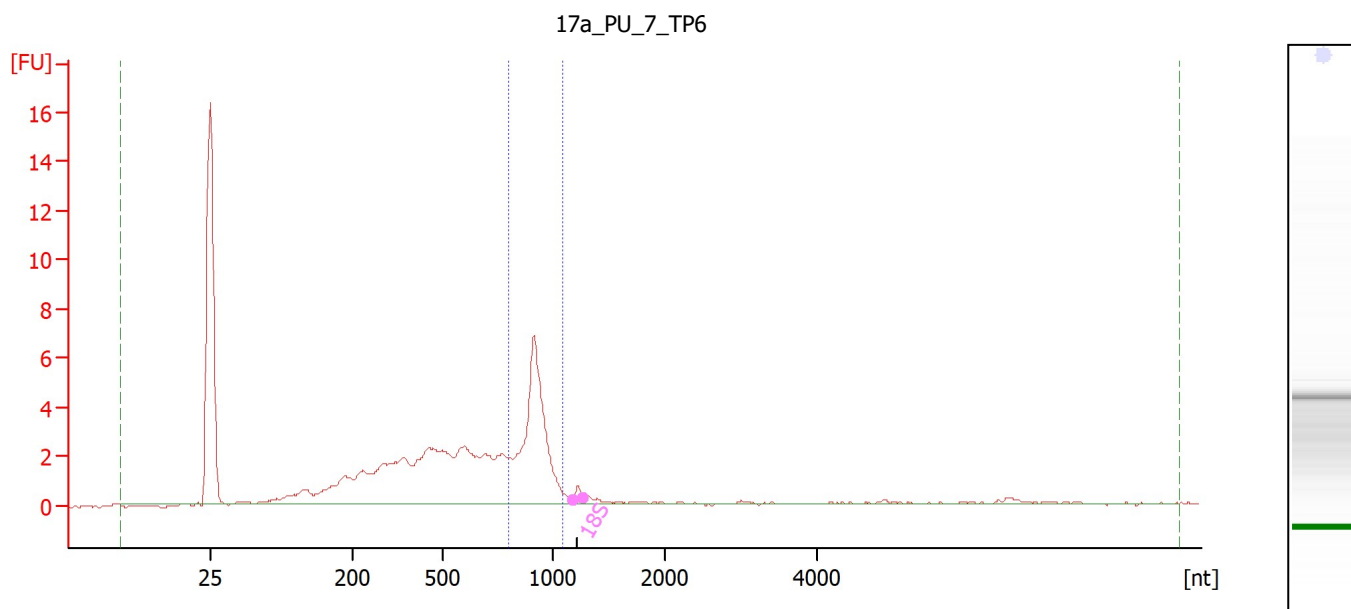
RNA Area:	74.3	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	26.5
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 6 : 17a PU 7 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	26.5	36	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

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

RNA Area:	69.5	Result Flagging Color:	
RNA Concentration:	36 ng/μl	Result Flagging Label:	RIN: 2.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	19.1
RNA Integrity Number (RIN):	2.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 7 : 17a PU 7 TP6

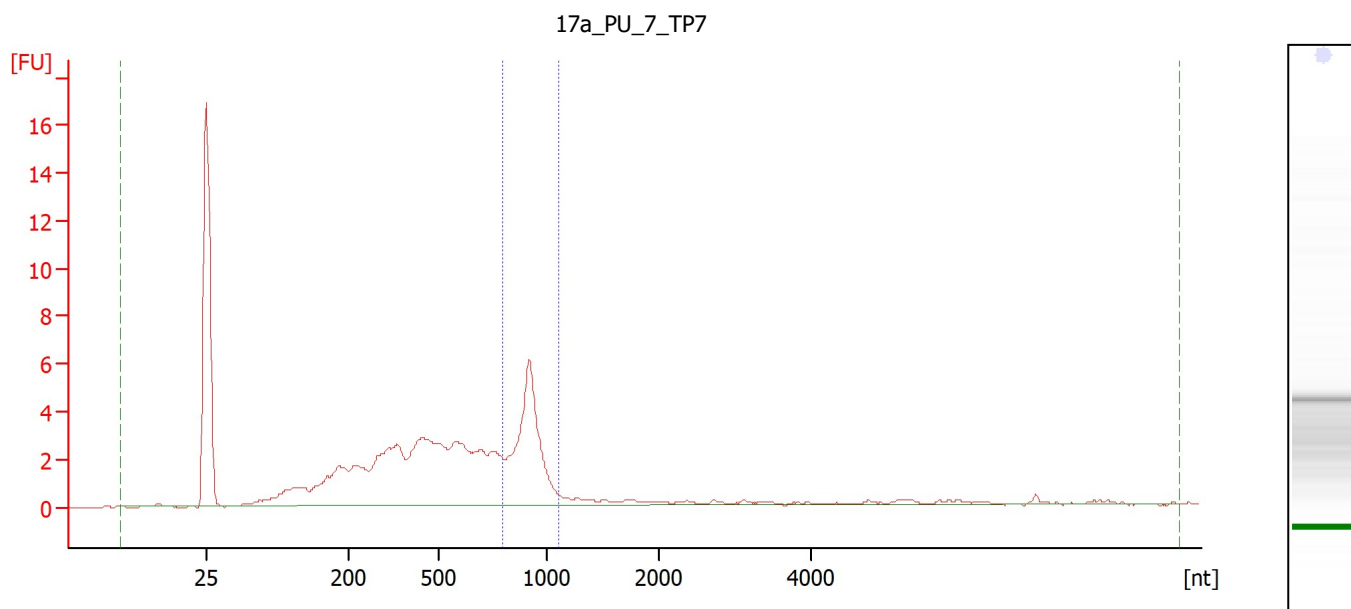
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,185	1,270	0.3	0.4

Region table for sample 7 : 17a PU 7 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	19.1	27	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 7 TP7**

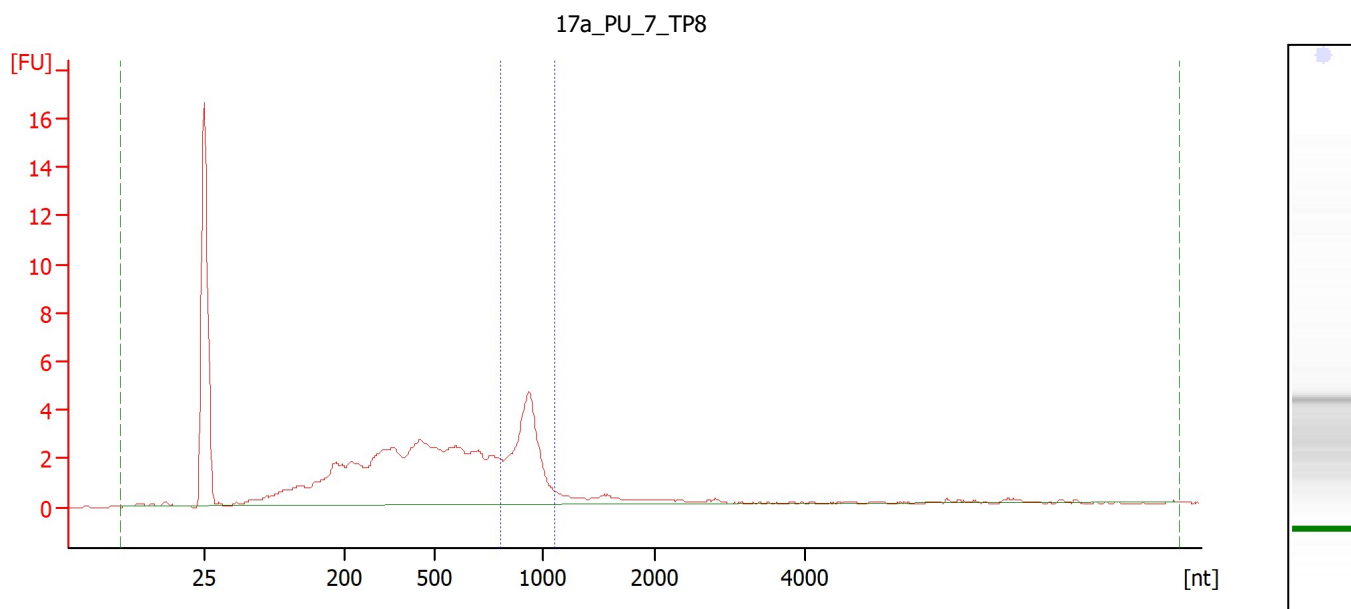
RNA Area:	86.1	Result Flagging Color:	
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	18.5
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 8 : 17a PU 7 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	18.5	21	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a PU 7 TP8**

RNA Area:	82.4	Result Flagging Color:	
RNA Concentration:	43 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	16.3
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

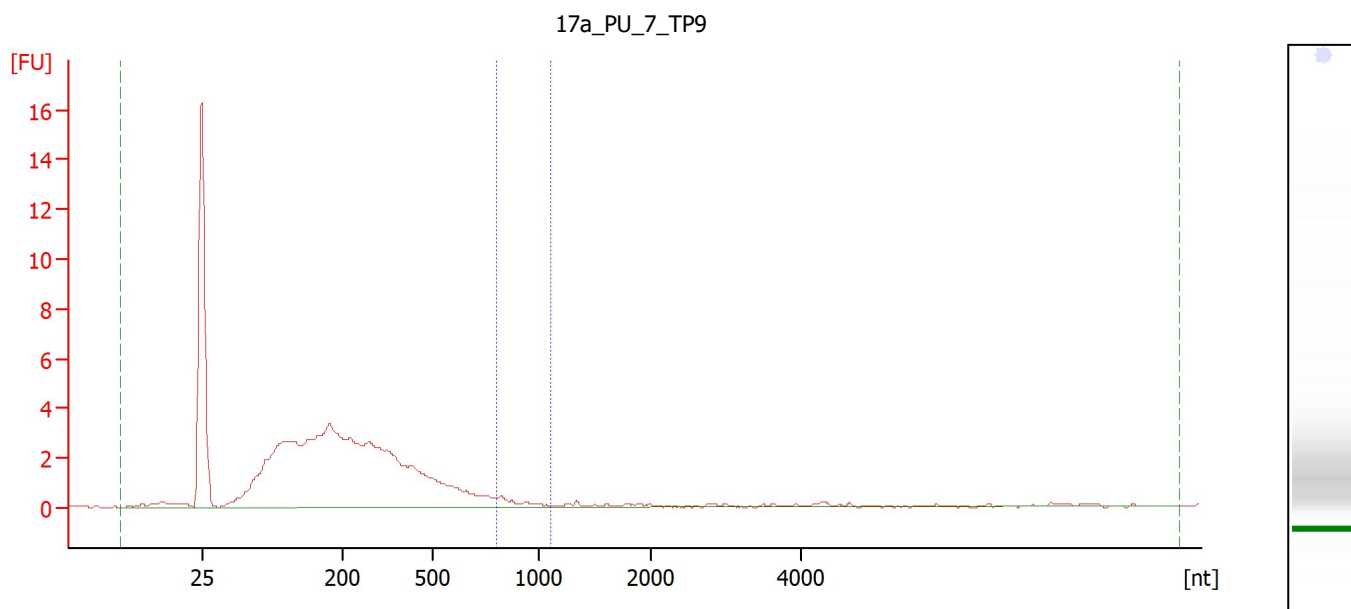
Region table for sample 9 : 17a PU 7 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	16.3	20	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 17a PU 7 TP9

RNA Area:	81.0	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.4
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

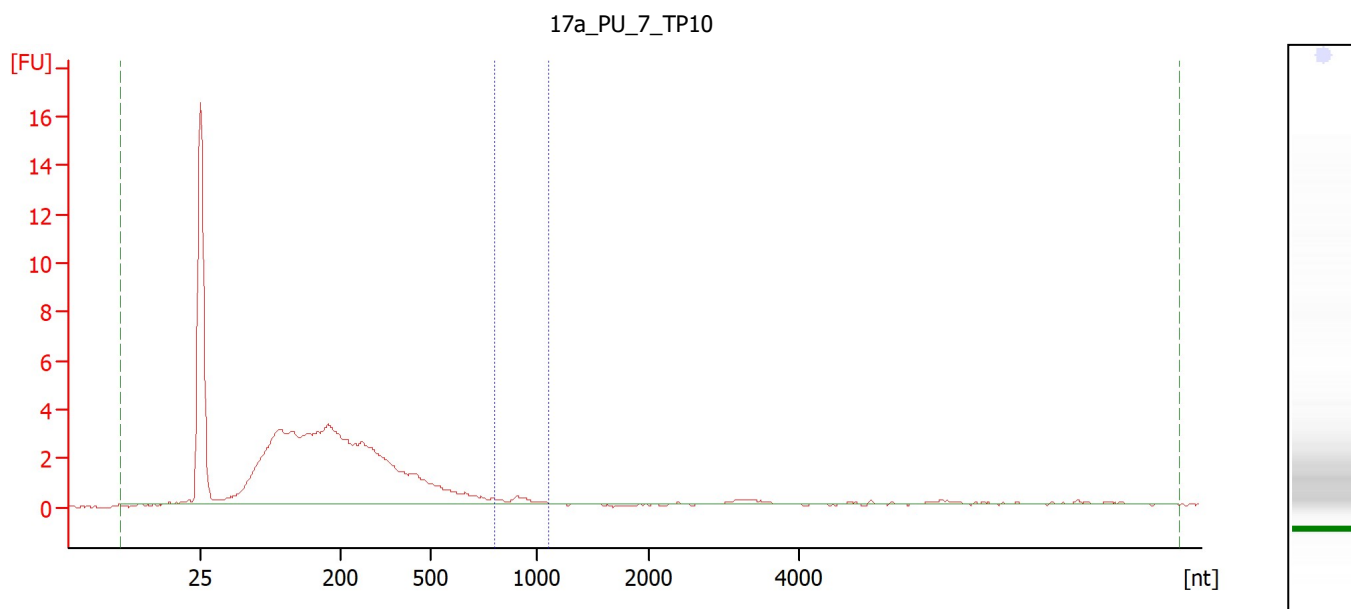
Region table for sample 10 : 17a PU 7 TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.4	2	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
 Modified: 12/10/2020 3:07:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a PU 7 TP10

RNA Area:	78.3	Result Flagging Color:	
RNA Concentration:	41 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.3
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a PU 7 TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	800	1,100	1.3	2	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_12-26-54.xad

Created: 12/10/2020 12:26:54 PM
Modified: 12/10/2020 3:07:31 PM

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