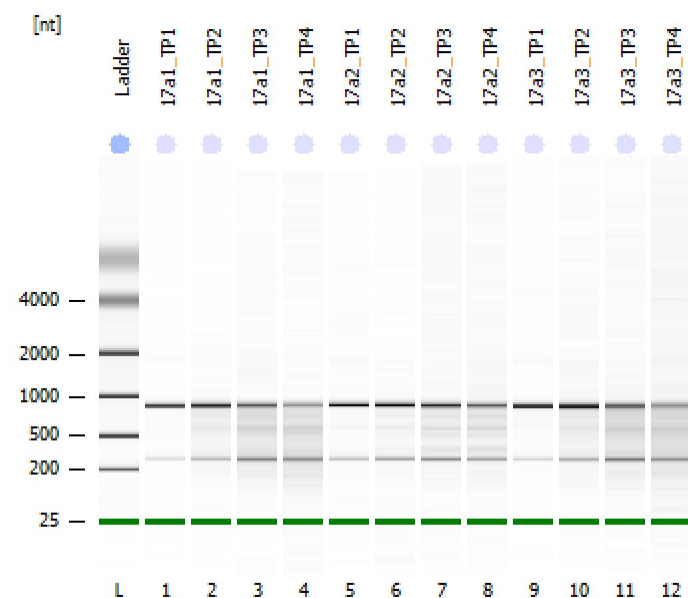


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
Modified: 12/2/2020 3:31:50 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)

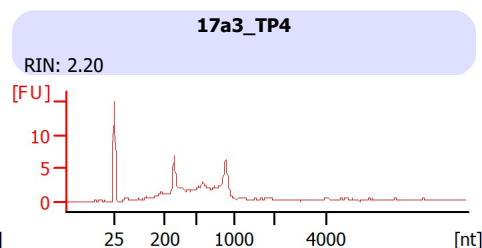
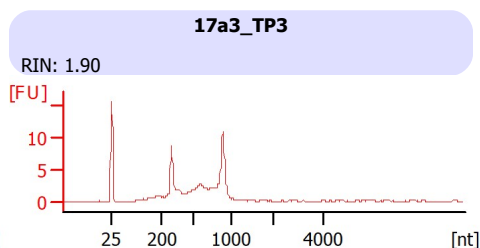
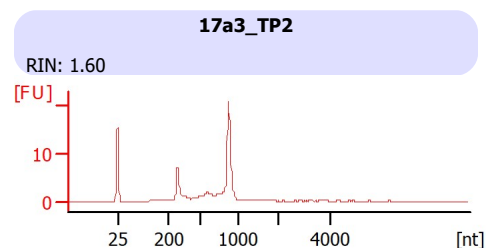
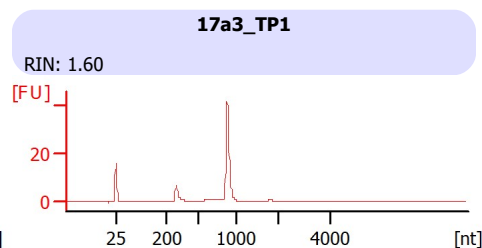
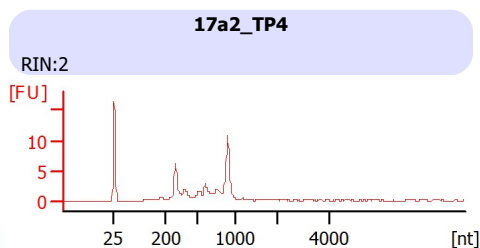
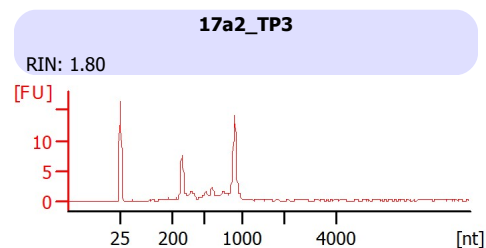
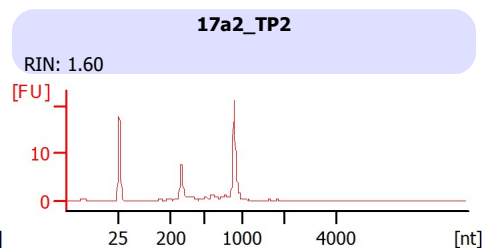
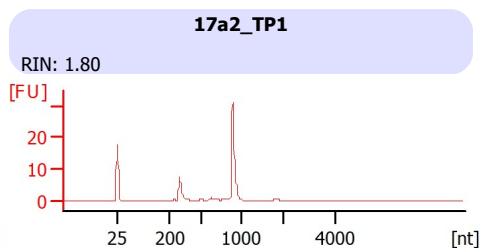
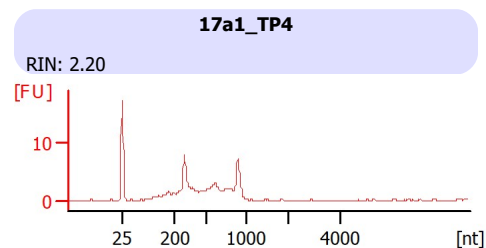
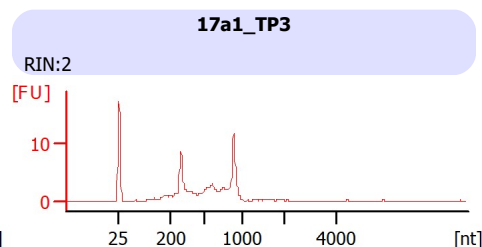
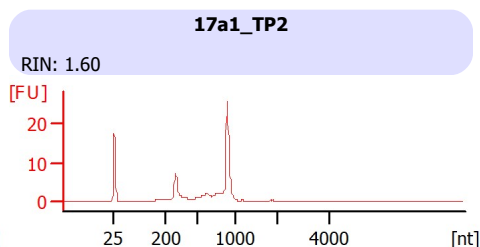
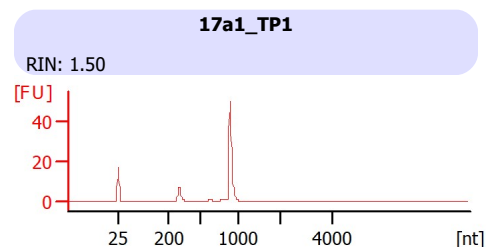
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
Modified: 12/2/2020 3:31:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
17a1_TP1		✓ RIN: 1.50	
17a1_TP2		✓ RIN: 1.60	
17a1_TP3		✓ RIN:2	
17a1_TP4		✓ RIN: 2.20	
17a2_TP1		✓ RIN: 1.80	
17a2_TP2		✓ RIN: 1.60	
17a2_TP3		✓ RIN: 1.80	
17a2_TP4		✓ RIN:2	
17a3_TP1		✓ RIN: 1.60	
17a3_TP2		✓ RIN: 1.60	
17a3_TP3		✓ RIN: 1.90	
17a3_TP4		✓ RIN: 2.20	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
Modified: 12/2/2020 3:31:50 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

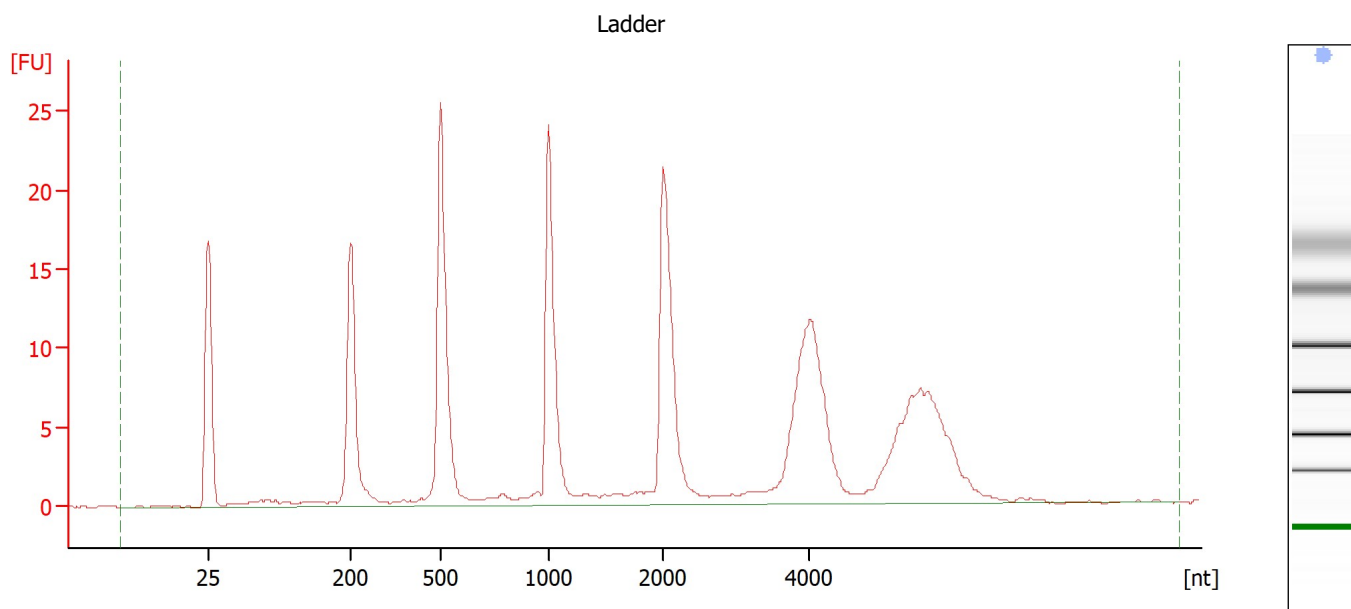
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 216.6

Result Flagging Color:



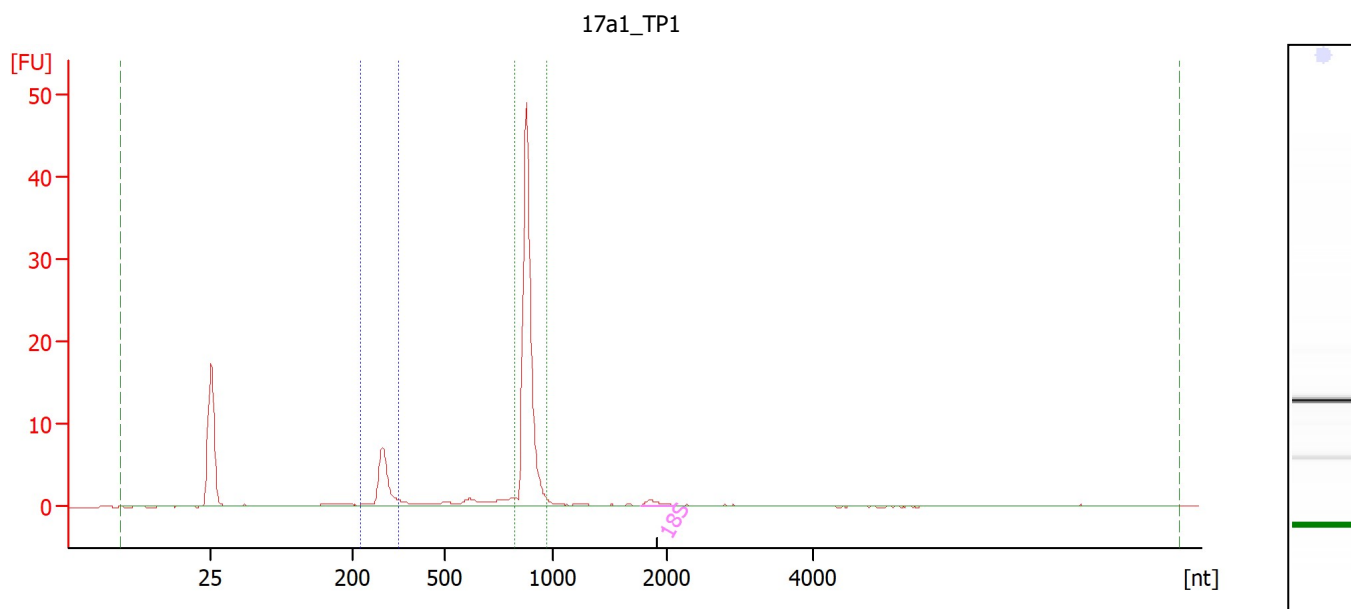
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 17a1_TP1**

RNA Area:	82.2	Result Flagging Color:	
RNA Concentration:	57 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.5
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	54.2

Fragment table for sample 1 : 17a1_TP1

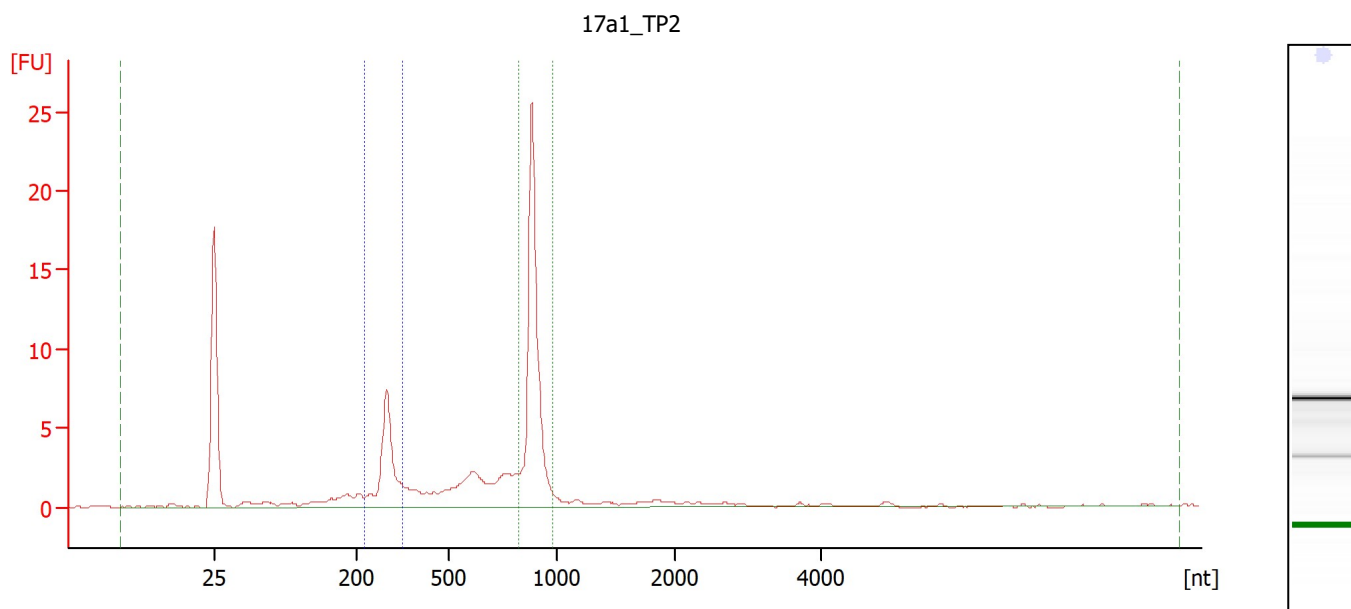
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,762	2,090	1.2	1.5

Region table for sample 1 : 17a1_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.5	14	r
Region 2	825	975	54.2	66	r

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a1_TP2**

RNA Area:	84.9	Result Flagging Color:	
RNA Concentration:	59 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	14.1
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	33.5

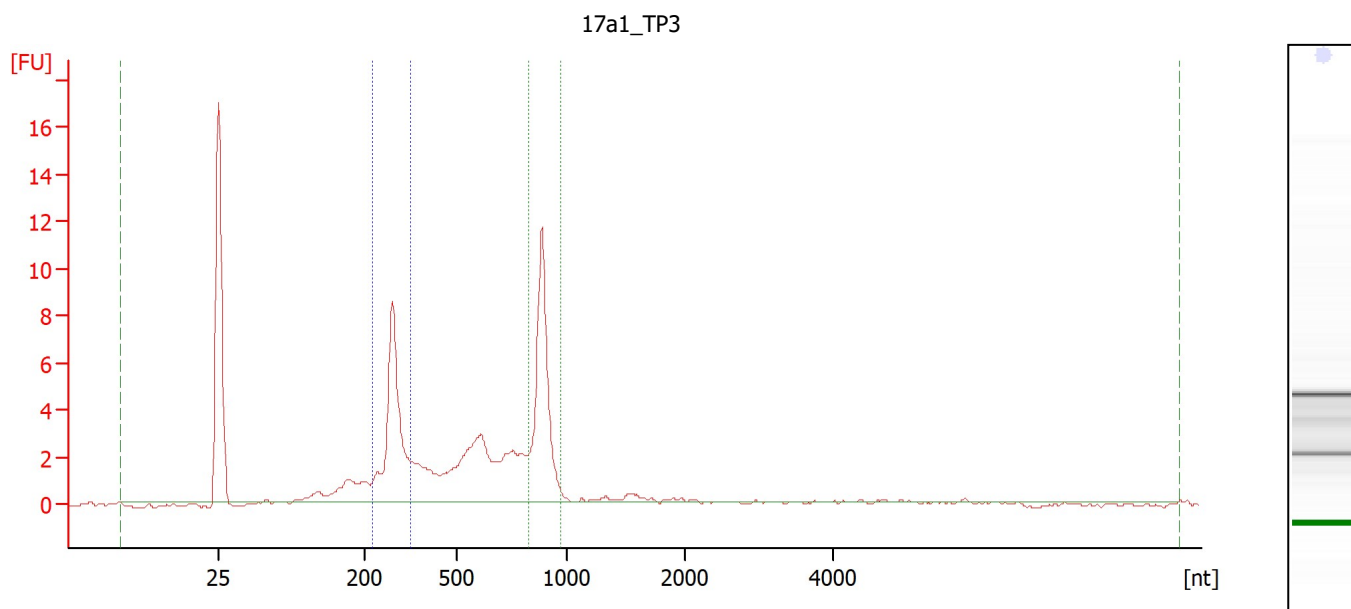
Region table for sample 2 : 17a1_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	14.1	17	
Region 2	825	975	33.5	39	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a1_TP3

RNA Area:	73.1	Result Flagging Color:	
RNA Concentration:	51 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	18.0
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	18.1

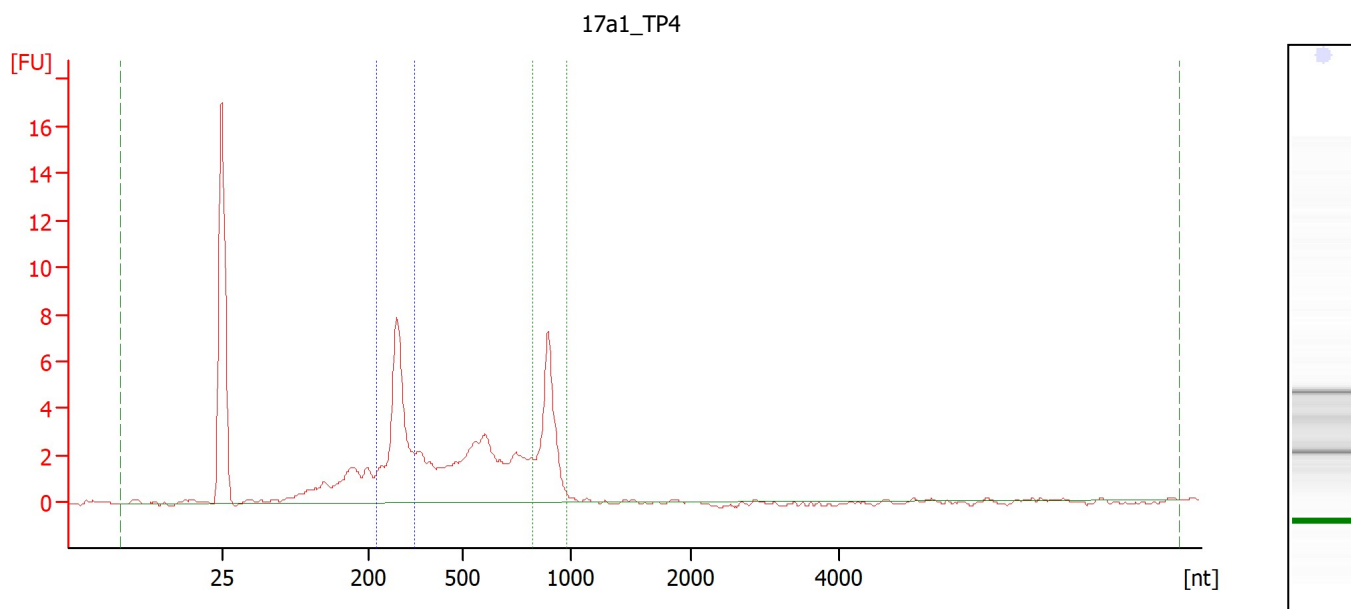
Region table for sample 3 : 17a1_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	18.0	25	
Region 2	825	975	18.1	25	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 17a1_TP4

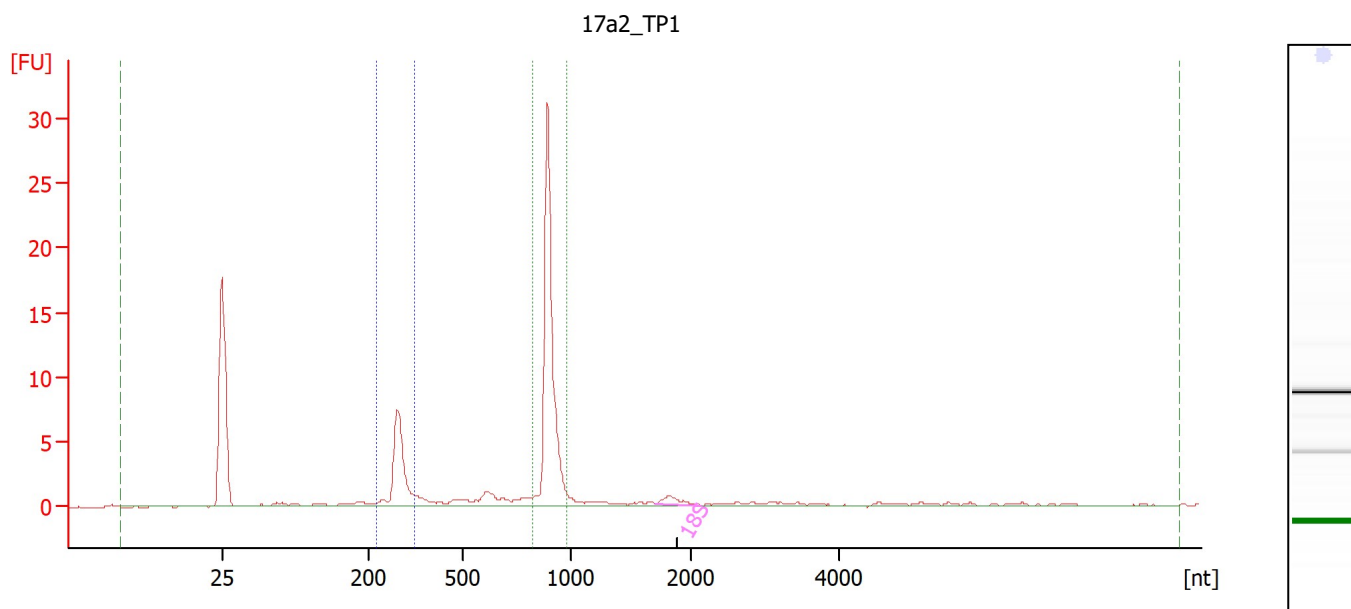
RNA Area:	74.2	Result Flagging Color:	
RNA Concentration:	51 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	18.4
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	12.5

Region table for sample 4 : 17a1_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	18.4	25	
Region 2	825	975	12.5	17	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a2_TP1**

RNA Area:	71.0	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.6
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	34.9

Fragment table for sample 5 : 17a2_TP1

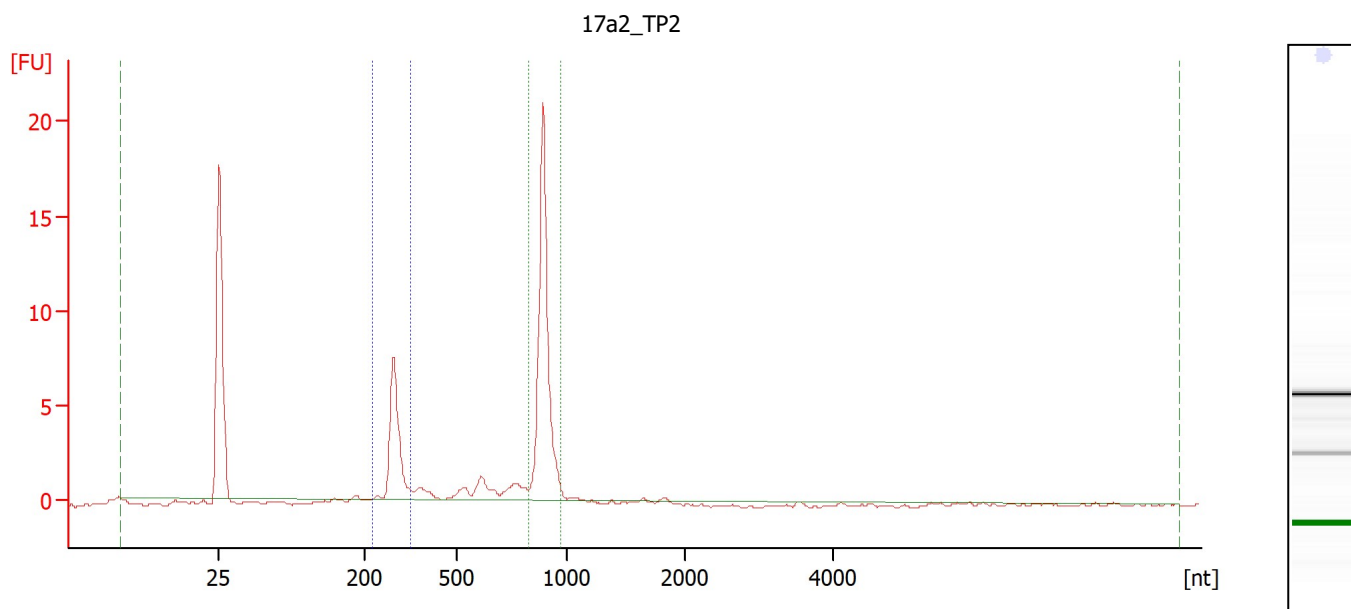
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	2,146	1.3	1.8

Region table for sample 5 : 17a2_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.6	18	
Region 2	825	975	34.9	49	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a2_TP2**

RNA Area:	44.6	Result Flagging Color:	
RNA Concentration:	31 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.3
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	25.3

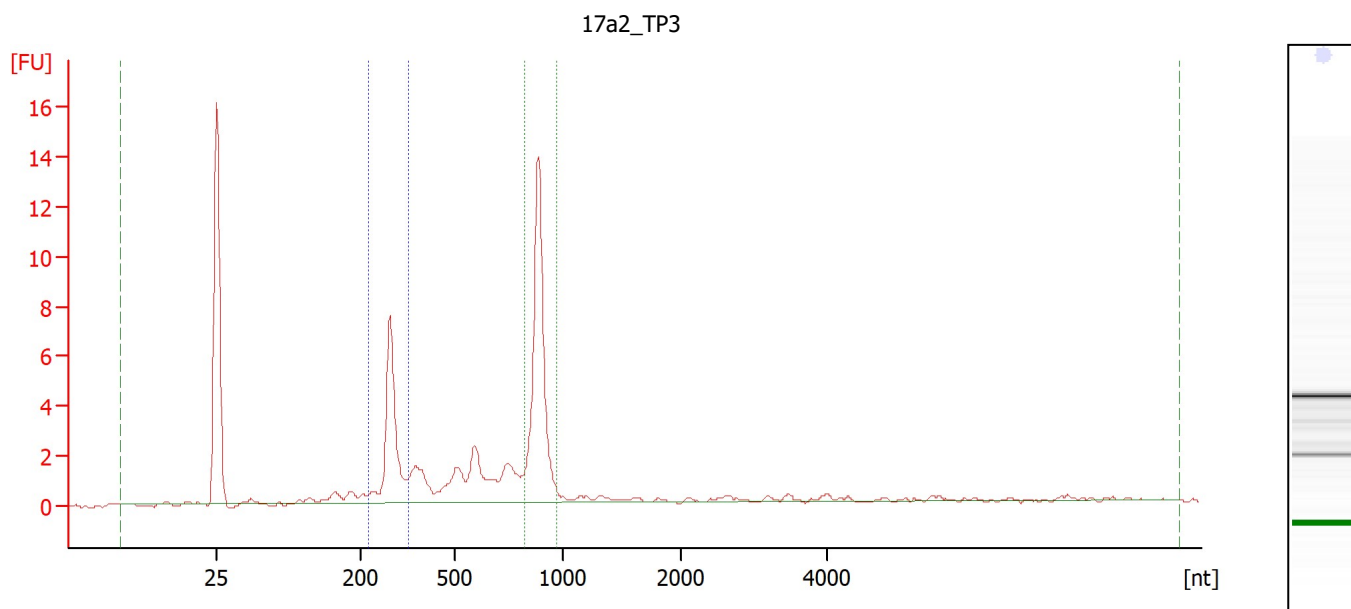
Region table for sample 6 : 17a2_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.3	25	
Region 2	825	975	25.3	57	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17a2_TP3

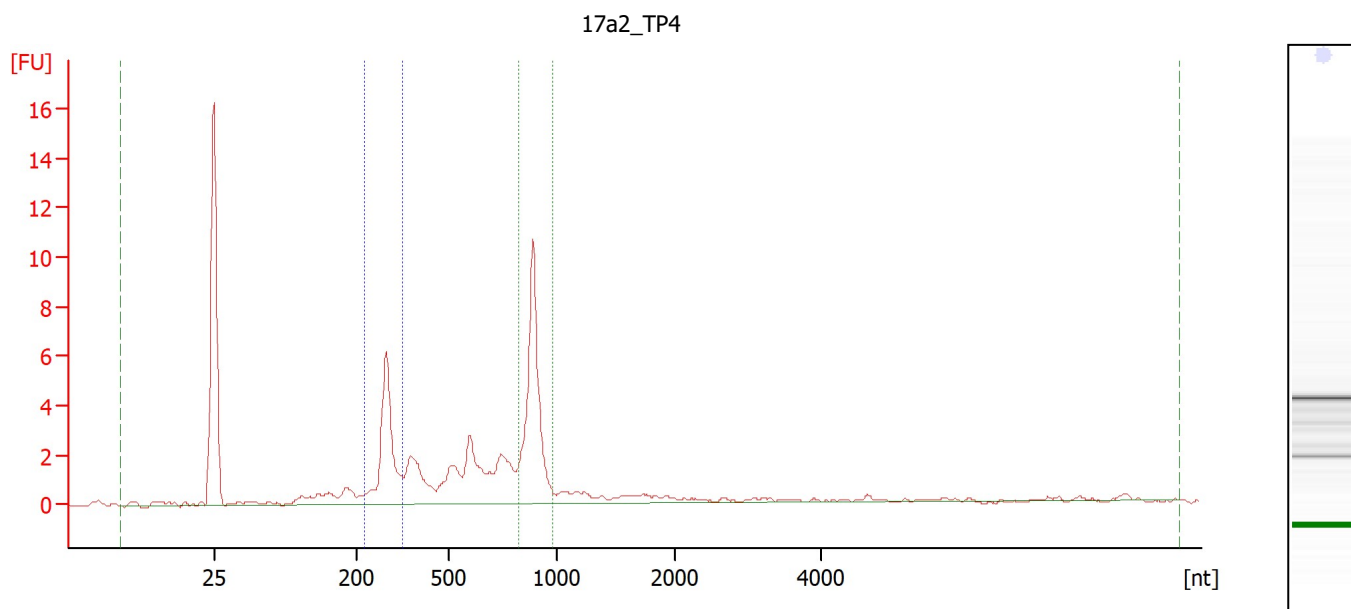
RNA Area:	56.0	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.5
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	19.2

Region table for sample 7 : 17a2_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.5	22	
Region 2	825	975	19.2	34	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a2_TP4**

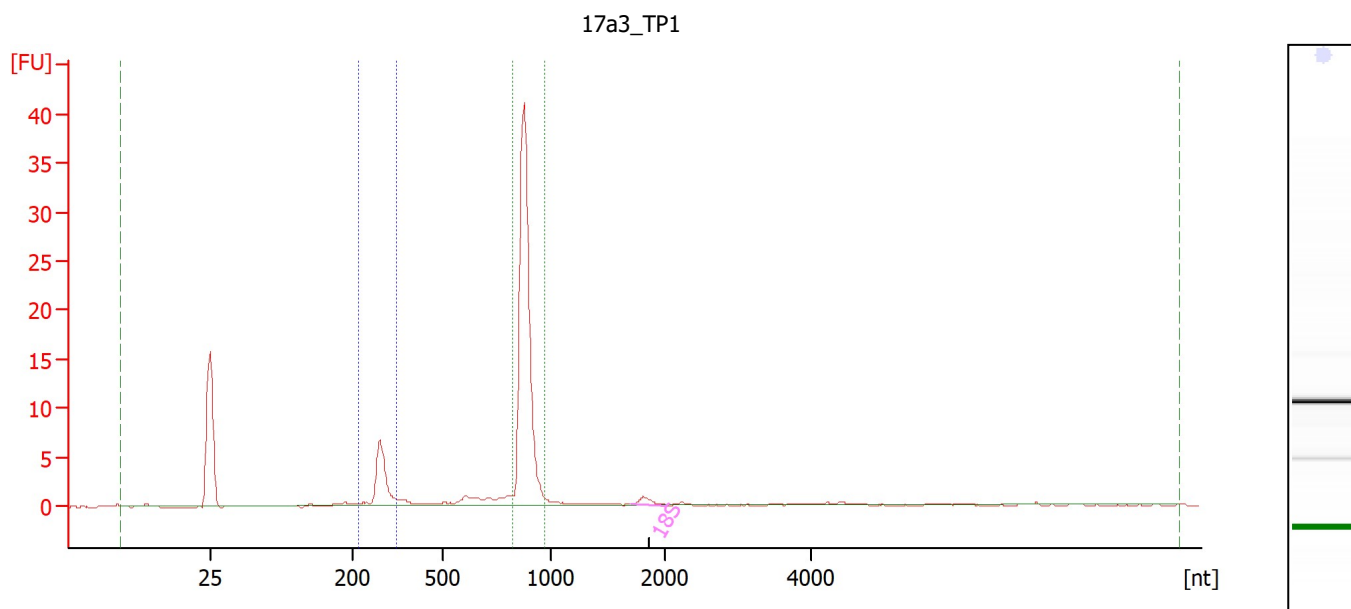
RNA Area:	61.0	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.4
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	16.1

Region table for sample 8 : 17a2_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.4	19	Blue
Region 2	825	975	16.1	26	Green

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a3_TP1**

RNA Area:	75.7	Result Flagging Color:	
RNA Concentration:	52 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.6
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	54.5

Fragment table for sample 9 : 17a3_TP1

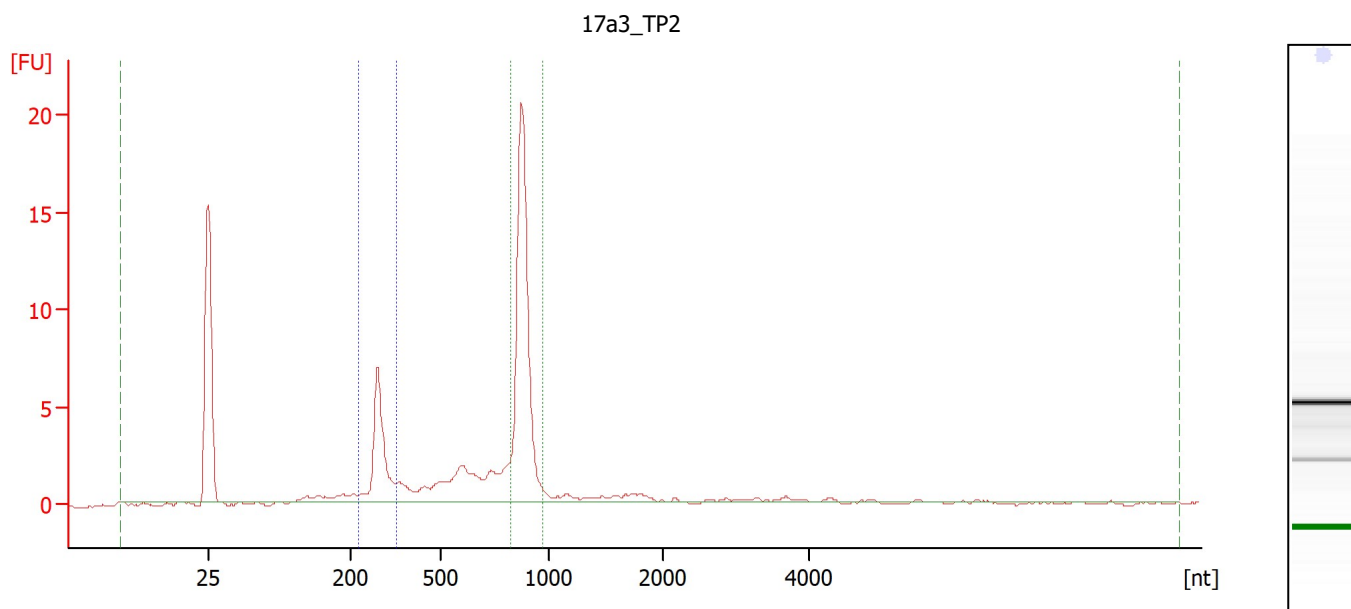
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,016	1.3	1.7

Region table for sample 9 : 17a3_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	10.6	14	
Region 2	825	975	54.5	72	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a3_TP2**

RNA Area:	67.5	Result Flagging Color:	
RNA Concentration:	47 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.9
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	31.4

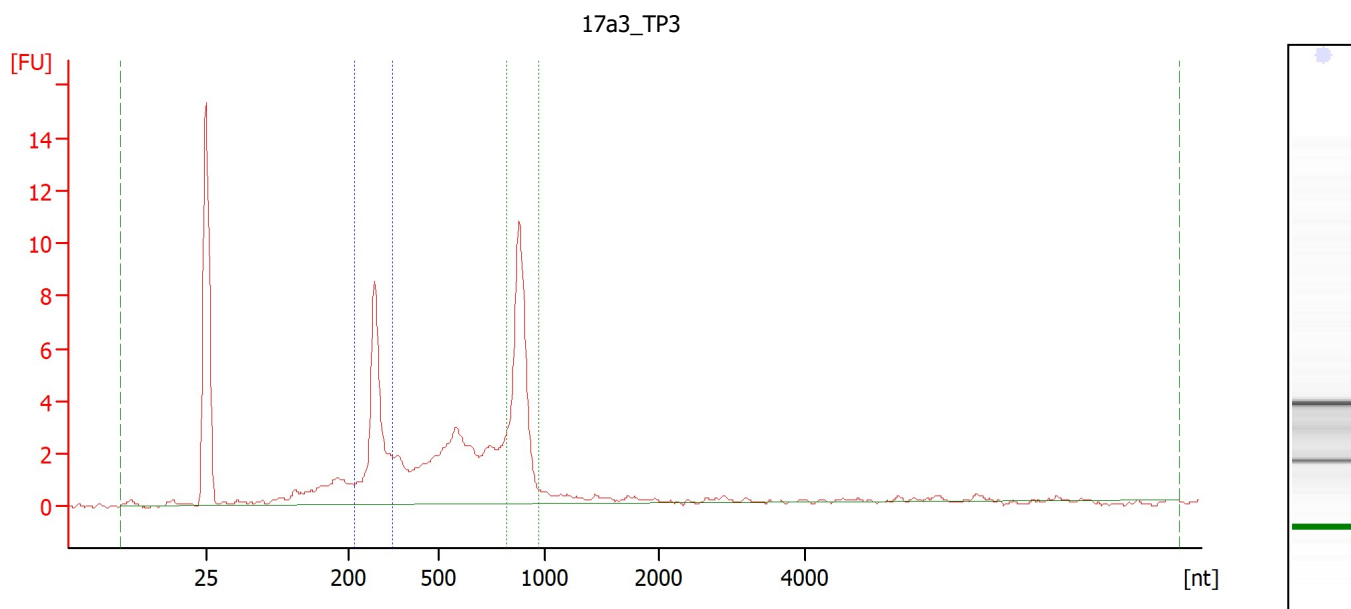
Region table for sample 10 : 17a3_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.9	18	
Region 2	825	975	31.4	46	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a3_TP3

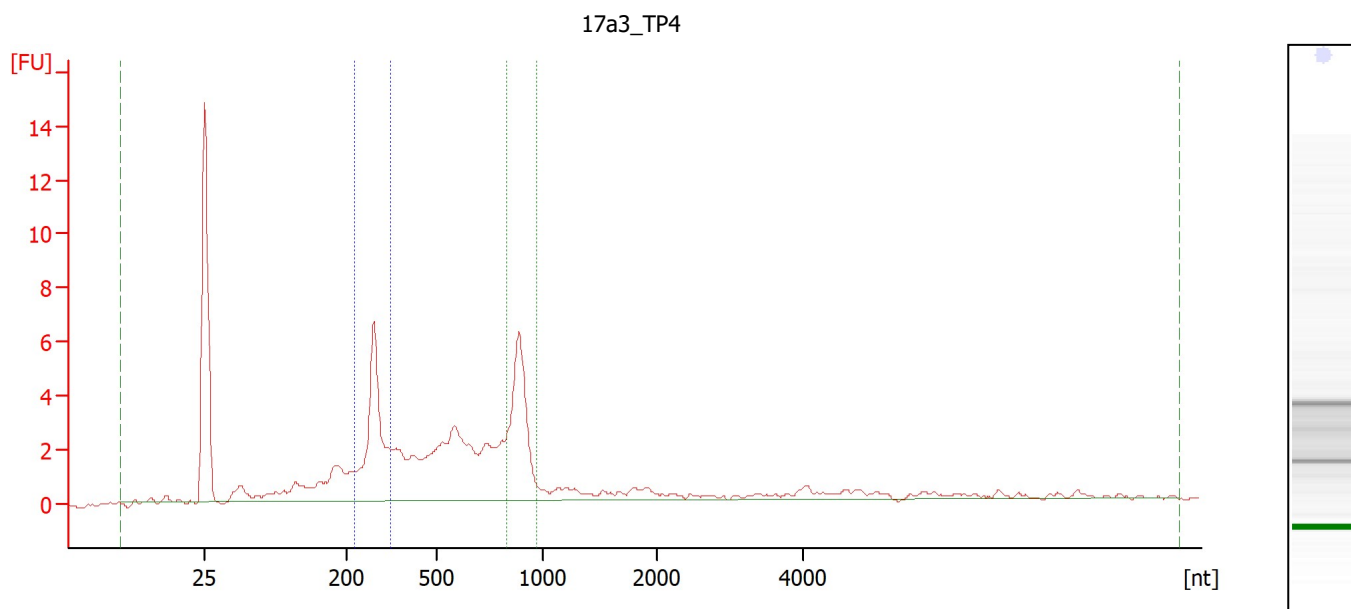
RNA Area:	82.7	Result Flagging Color:	
RNA Concentration:	57 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	17.3
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	19.2

Region table for sample 11 : 17a3_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	17.3	21	
Region 2	825	975	19.2	23	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
 Modified: 12/2/2020 3:31:50 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : 17a3 TP4**

RNA Area:	82.8	Result Flagging Color:	
RNA Concentration:	57 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	15.3
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	13.3

Region table for sample 12 : 17a3 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	15.3	18	
Region 2	825	975	13.3	16	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-31-30.xad

Created: 12/2/2020 2:31:29 PM
Modified: 12/2/2020 3:31:50 PM

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