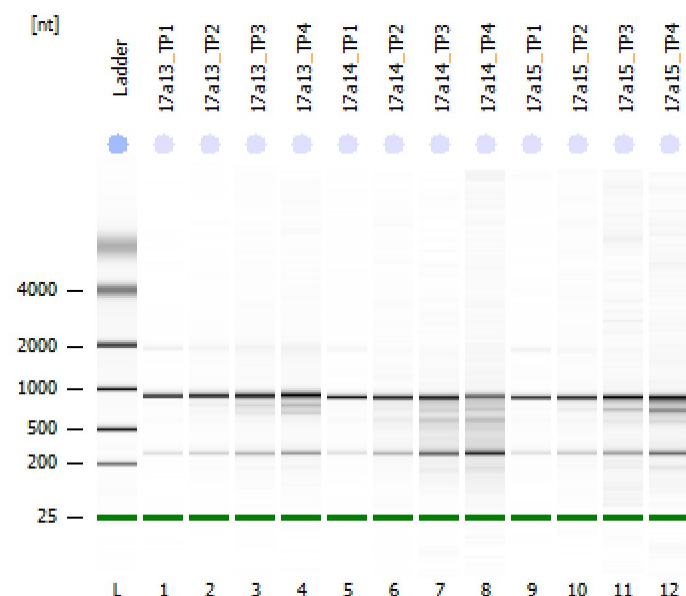


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
Modified: 12/2/2020 4:25:46 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)

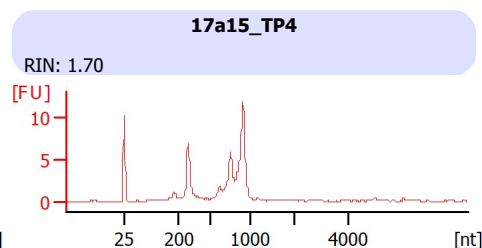
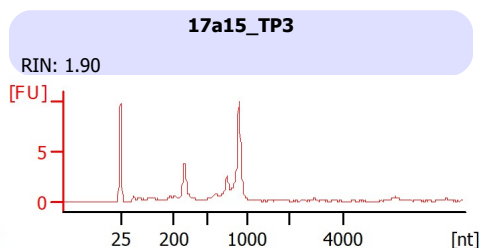
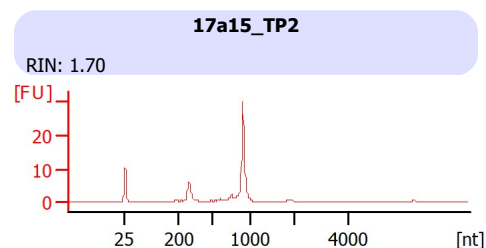
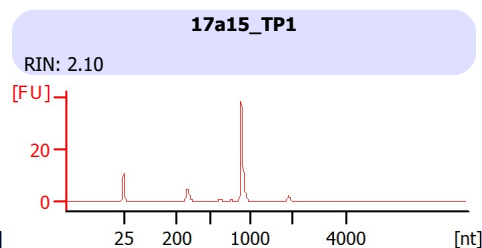
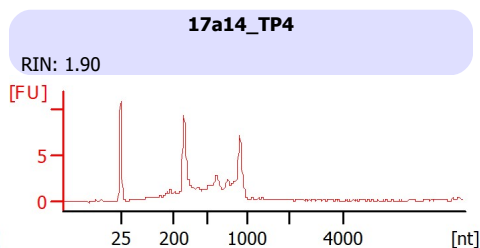
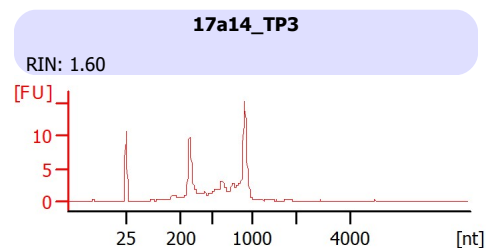
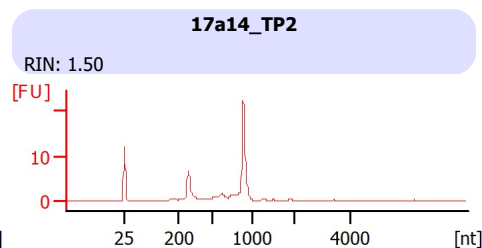
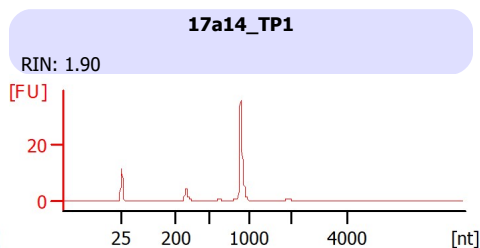
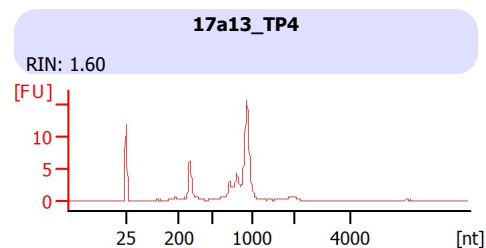
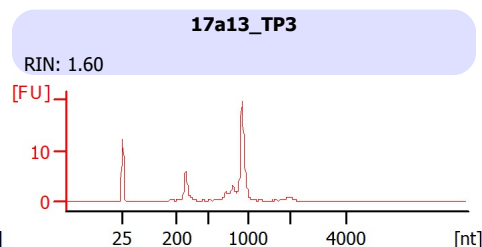
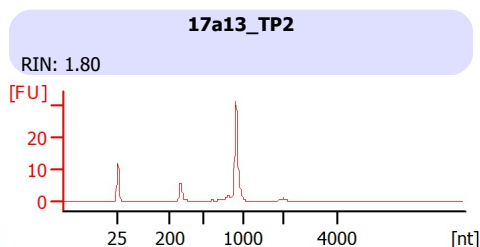
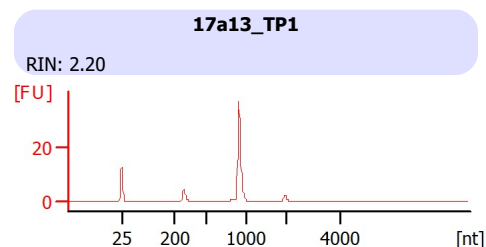
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
Modified: 12/2/2020 4:25:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
17a13_TP1		✓ RIN: 2.20	
17a13_TP2		✓ RIN: 1.80	
17a13_TP3		✓ RIN: 1.60	
17a13_TP4		✓ RIN: 1.60	
17a14_TP1		✓ RIN: 1.90	
17a14_TP2		✓ RIN: 1.50	
17a14_TP3		✓ RIN: 1.60	
17a14_TP4		✓ RIN: 1.90	
17a15_TP1		✓ RIN: 2.10	
17a15_TP2		✓ RIN: 1.70	
17a15_TP3		✓ RIN: 1.90	
17a15_TP4		✓ RIN: 1.70	
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_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
Modified: 12/2/2020 4:25:46 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

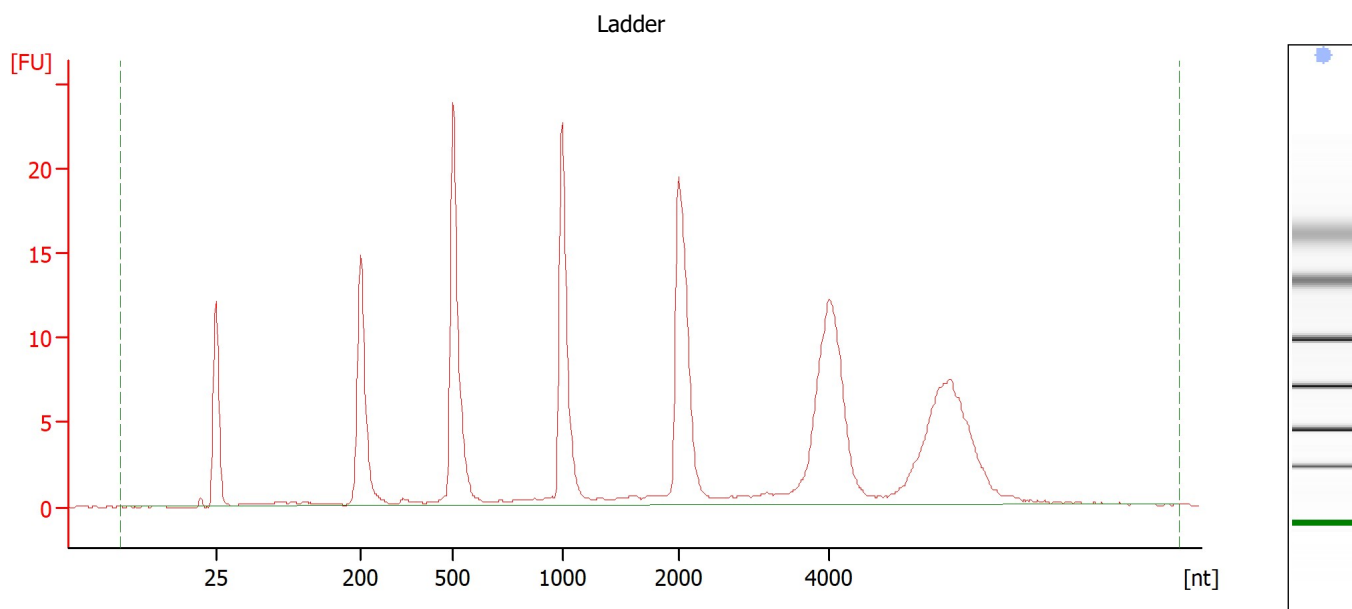
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 191.1

Result Flagging Color:



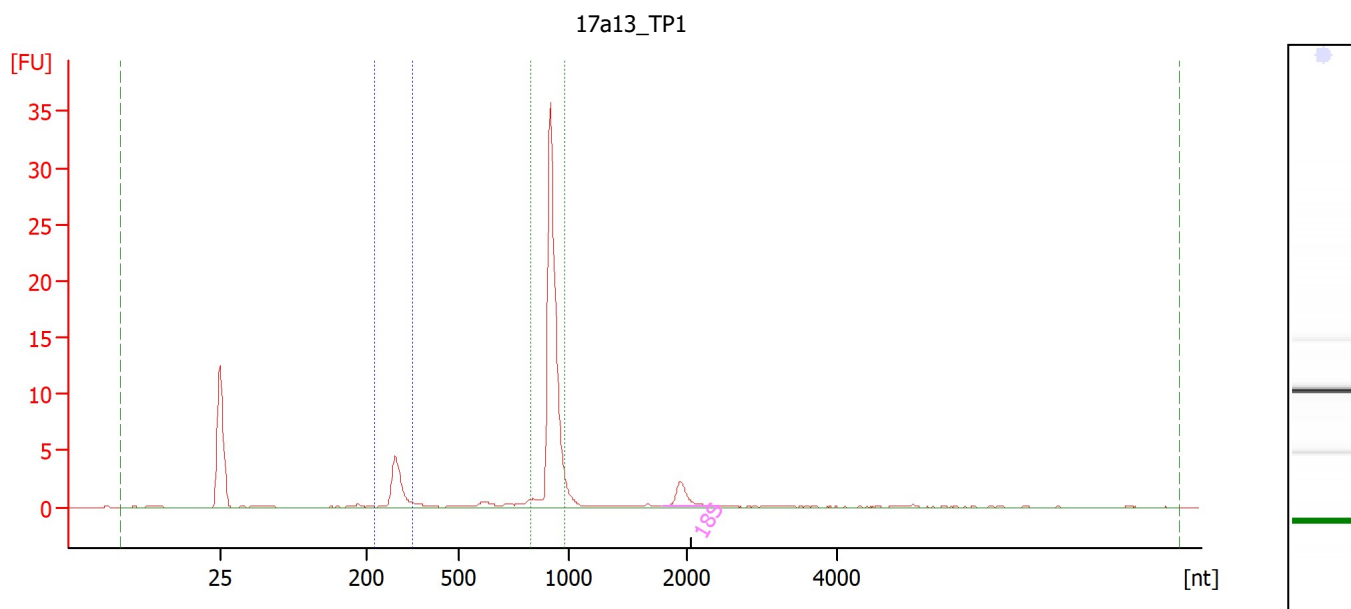
RNA Concentration: 150 ng/μl

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_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 17a13_TP1**

RNA Area:	60.9	Result Flagging Color:	
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.3
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	38.9

Fragment table for sample 1 : 17a13_TP1

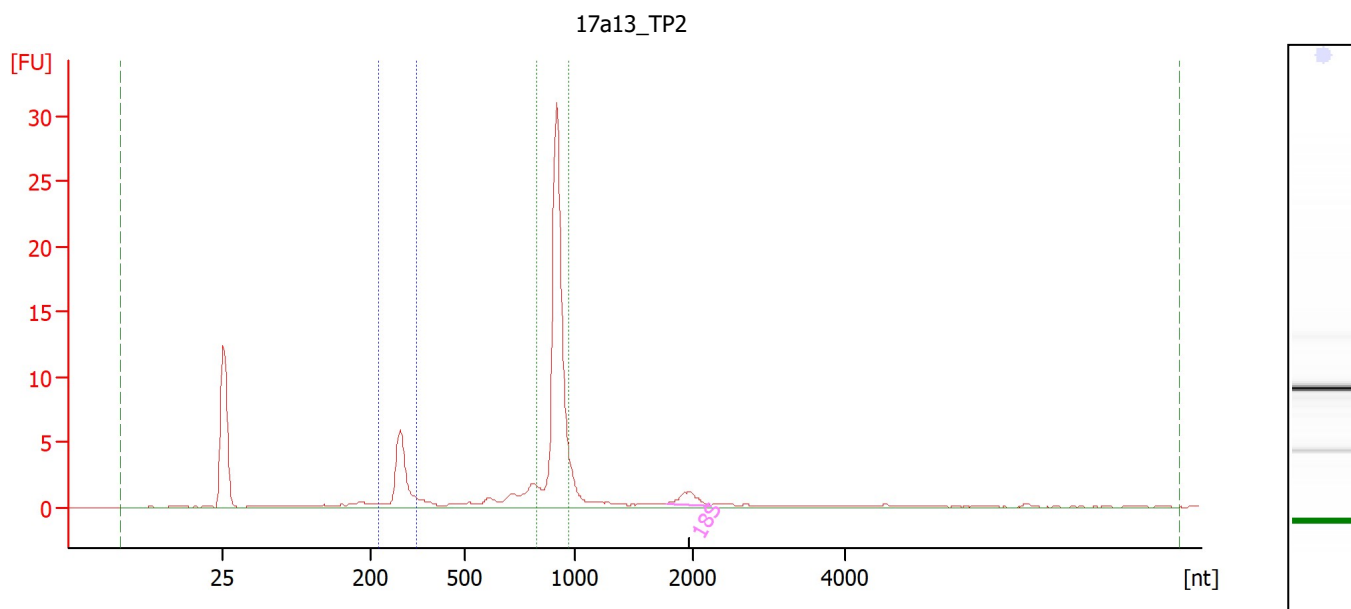
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,794	2,430	2.9	4.8

Region table for sample 1 : 17a13_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	7.3	12	
Region 2	825	975	38.9	64	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a13_TP2**

RNA Area:	77.4	Result Flagging Color:	
RNA Concentration:	61 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.3
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	39.5

Fragment table for sample 2 : 17a13_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,770	2,234	1.9	2.4

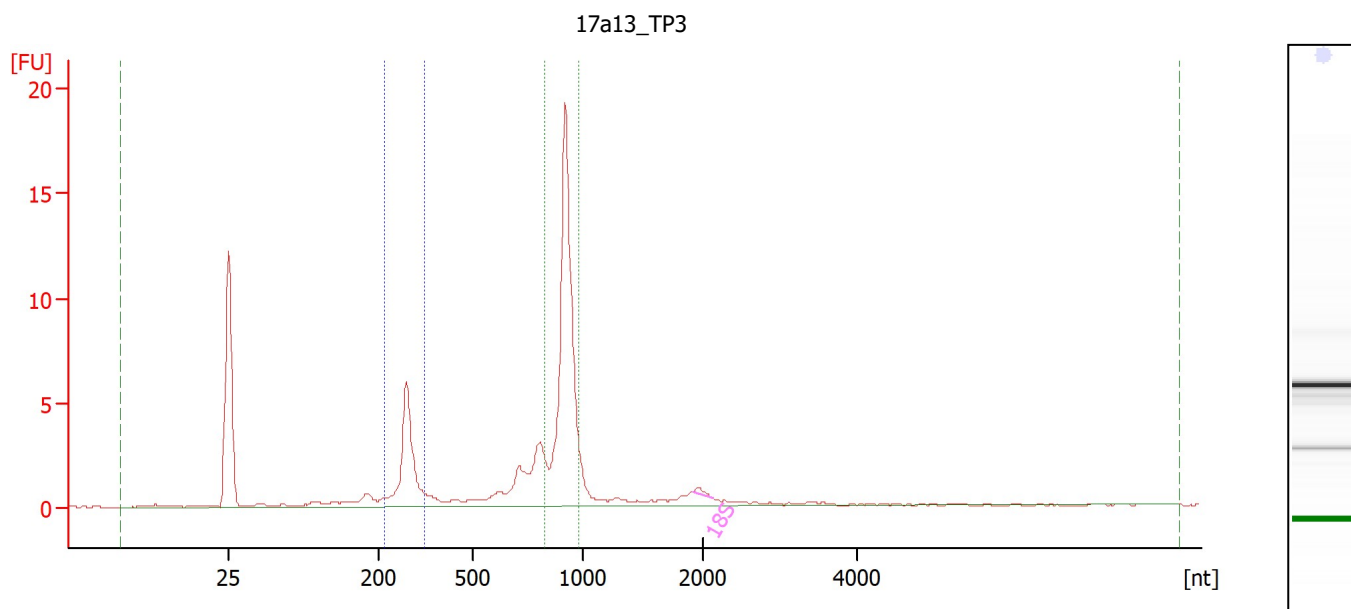
Region table for sample 2 : 17a13_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	10.3	13	
Region 2	825	975	39.5	51	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a13_TP3

RNA Area:	65.4	Result Flagging Color:	
RNA Concentration:	51 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.7
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	29.3

Fragment table for sample 3 : 17a13_TP3

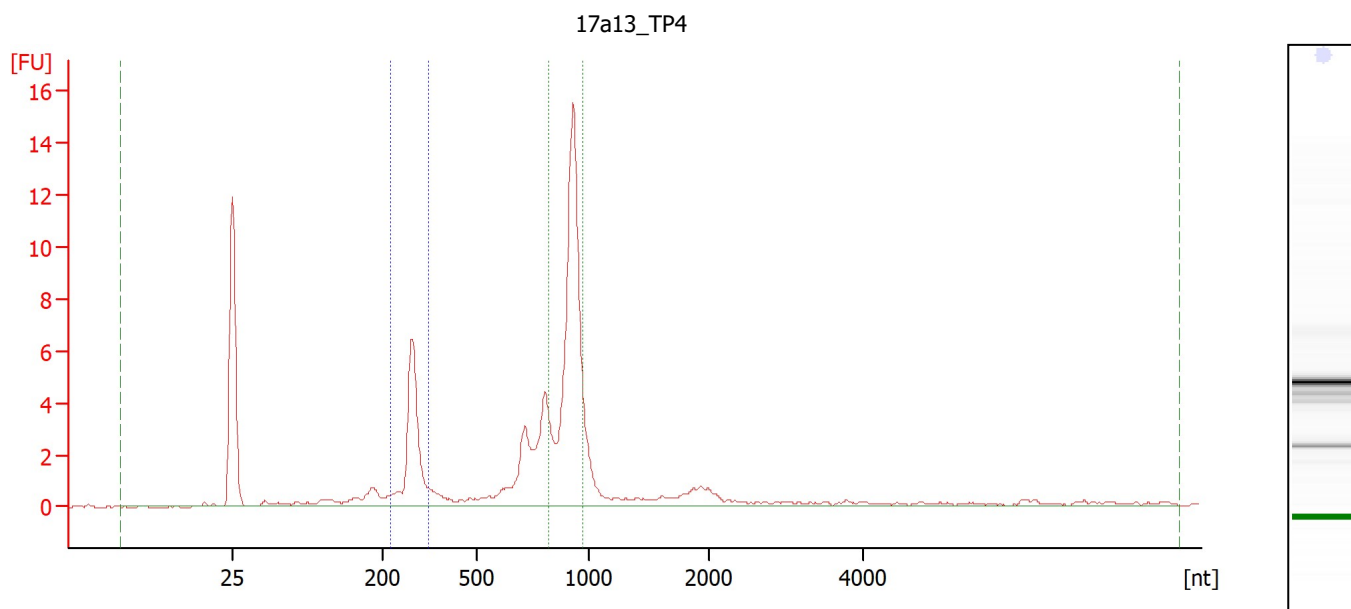
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,911	2,127	0.3	0.5

Region table for sample 3 : 17a13_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	10.7	16	
Region 2	825	975	29.3	45	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a13 TP4**

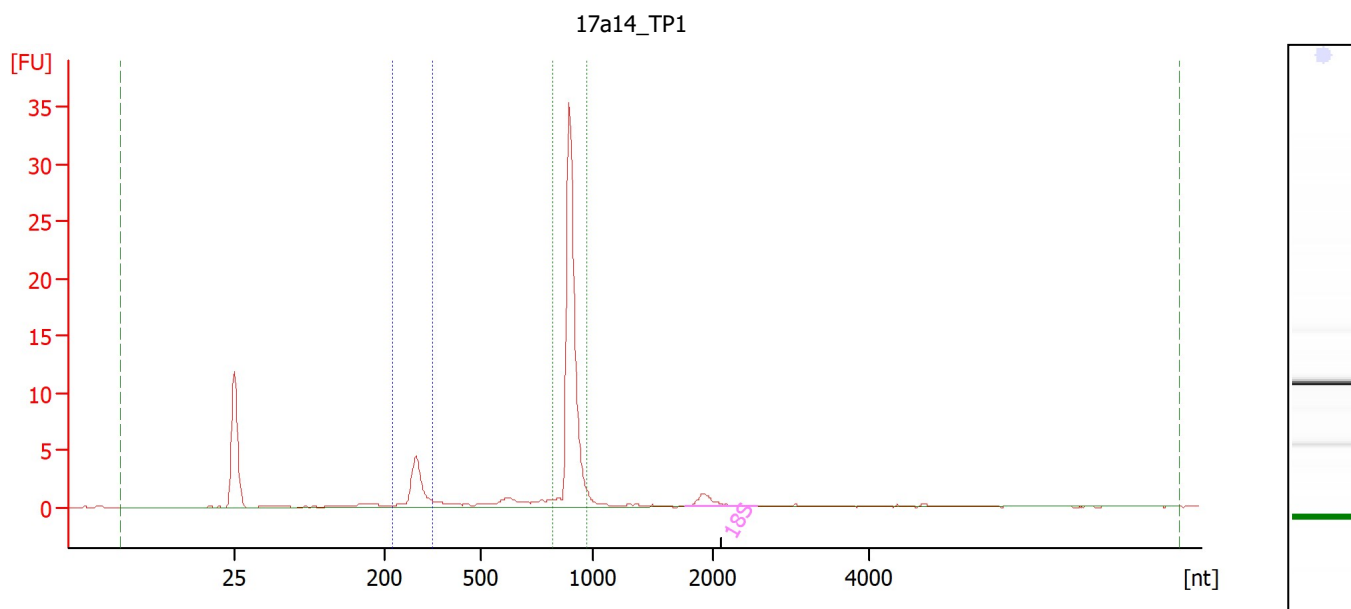
RNA Area:	70.9	Result Flagging Color:	
RNA Concentration:	56 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.2
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	27.8

Region table for sample 4 : 17a13 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.2	16	
Region 2	825	975	27.8	39	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a14_TP1**

RNA Area:	59.0	Result Flagging Color:	
RNA Concentration:	46 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	7.7
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	37.5

Fragment table for sample 5 : 17a14_TP1

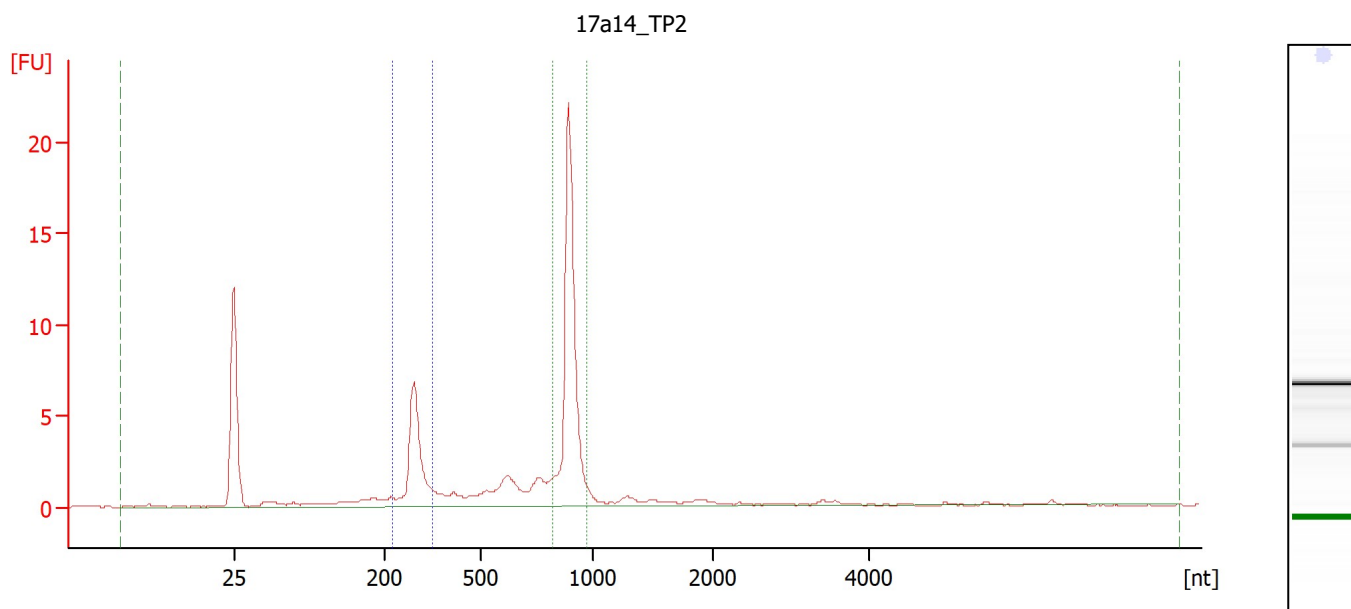
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,560	2.3	3.8

Region table for sample 5 : 17a14_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	7.7	13	
Region 2	825	975	37.5	64	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a14_TP2**

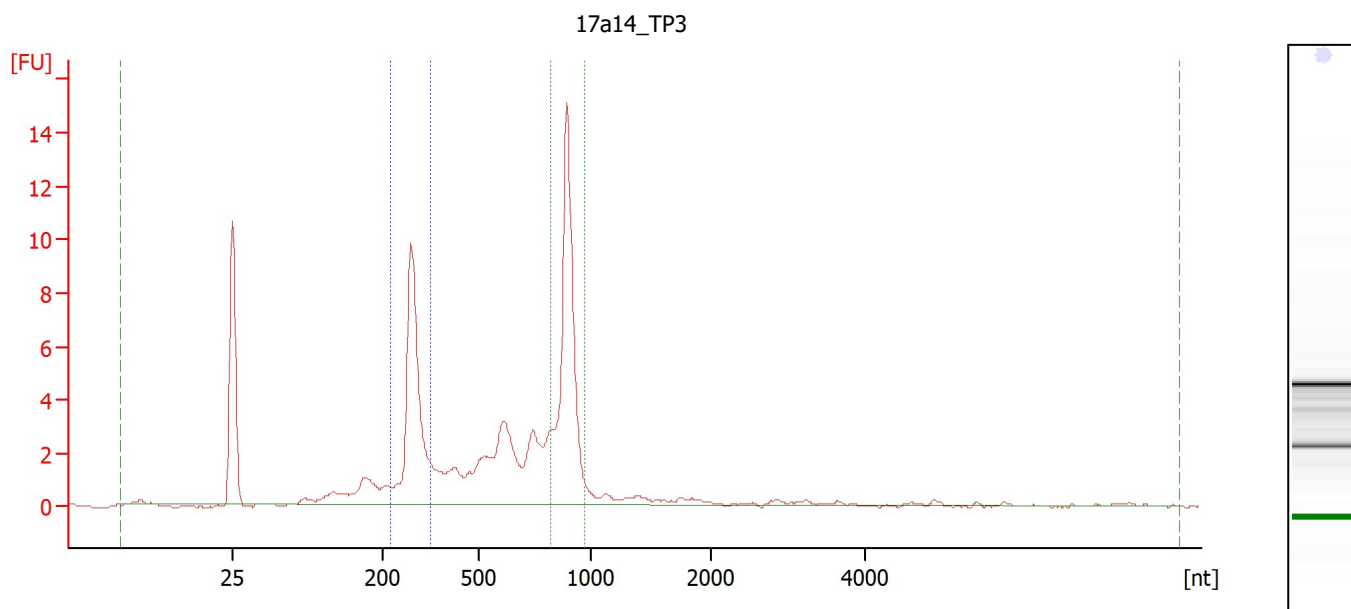
RNA Area:	66.2	Result Flagging Color:	
RNA Concentration:	52 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.4
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	27.8

Region table for sample 6 : 17a14_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.4	19	
Region 2	825	975	27.8	42	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a14 TP3**

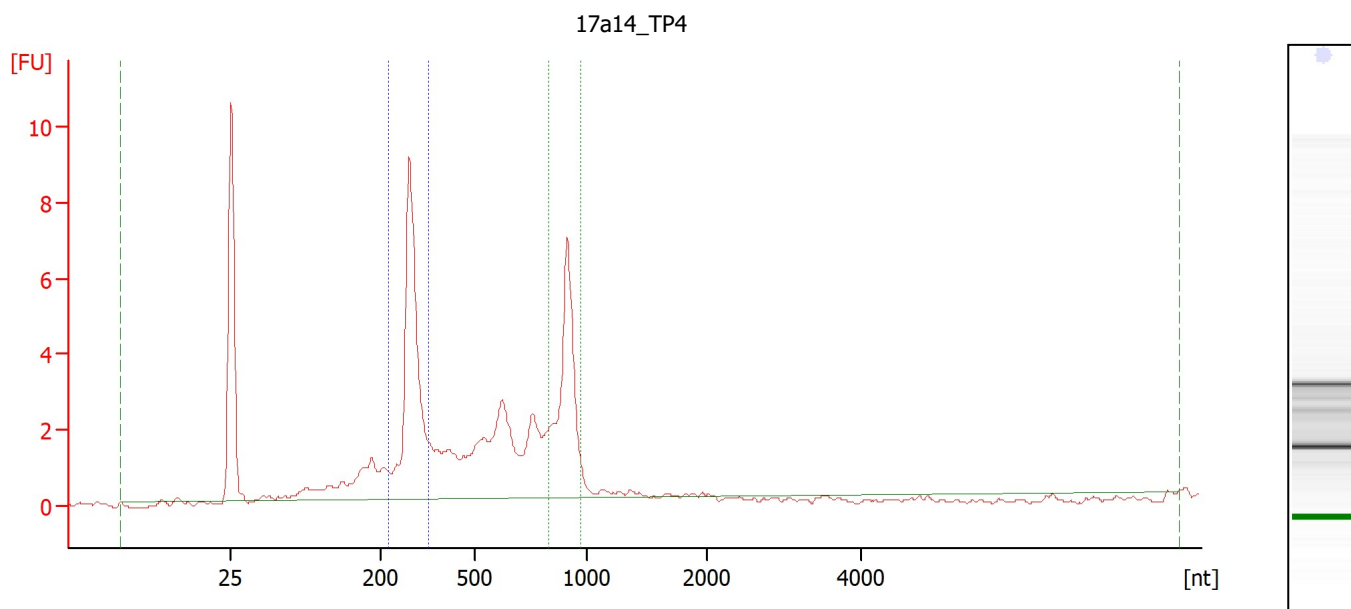
RNA Area:	83.9	Result Flagging Color:	
RNA Concentration:	66 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	19.4
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	23.5

Region table for sample 7 : 17a14 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	19.4	23	
Region 2	825	975	23.5	28	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a14 TP4**

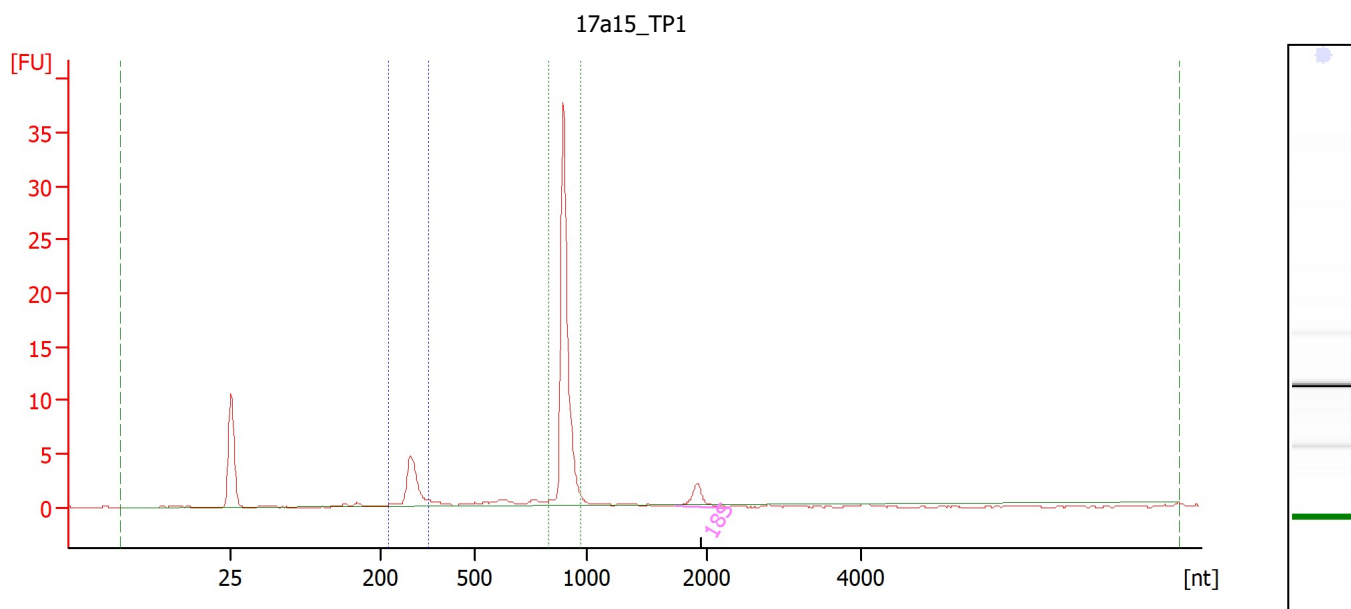
RNA Area:	62.8	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	18.0
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	12.4

Region table for sample 8 : 17a14 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	18.0	29	
Region 2	825	975	12.4	20	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a15_TP1**

RNA Area:	53.9	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.0
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	36.7

Fragment table for sample 9 : 17a15_TP1

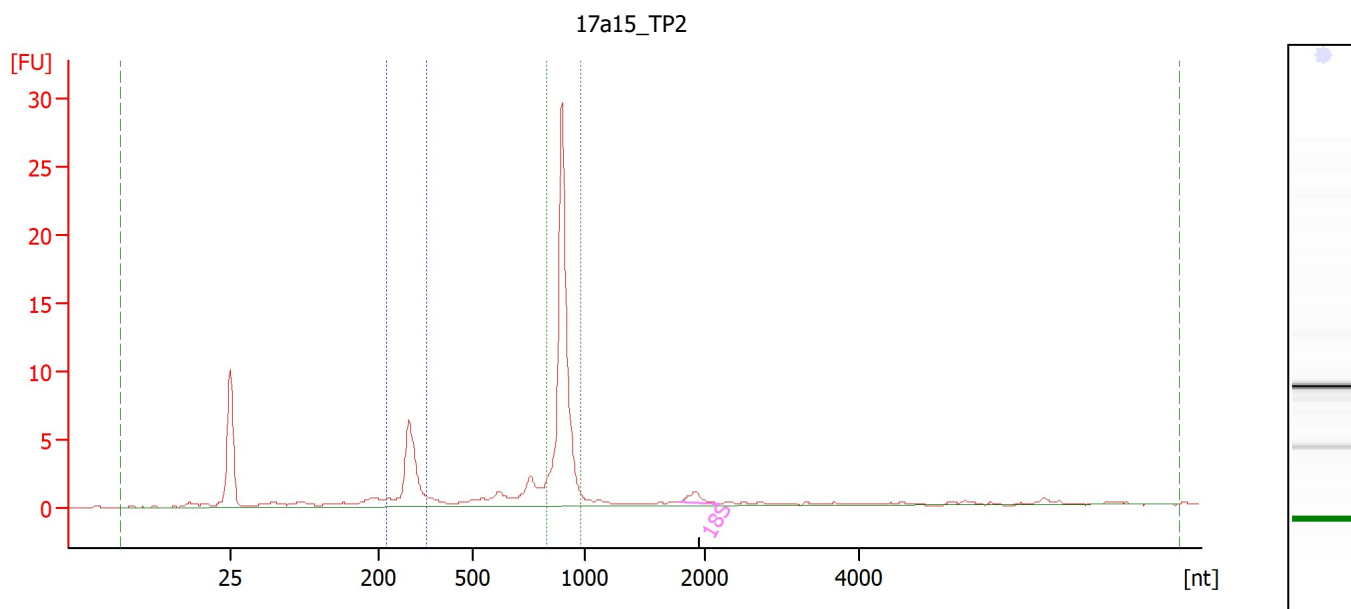
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,726	2,254	2.7	5.0

Region table for sample 9 : 17a15_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.0	15	r
Region 2	825	975	36.7	68	r

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a15_TP2**

RNA Area:	77.5	Result Flagging Color:	
RNA Concentration:	61 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.0
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	36.2

Fragment table for sample 10 : 17a15_TP2

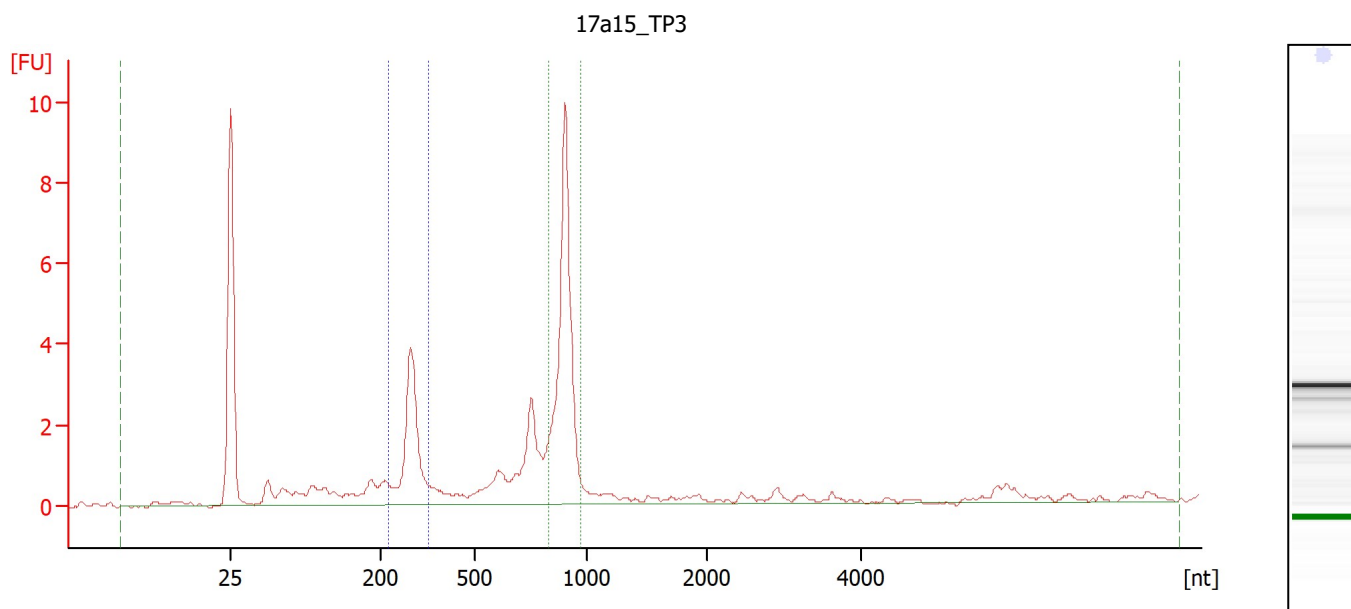
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,778	2,170	1.4	1.8

Region table for sample 10 : 17a15_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.0	16	
Region 2	825	975	36.2	47	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a15_TP3**

RNA Area:	48.8	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.0
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	15.6

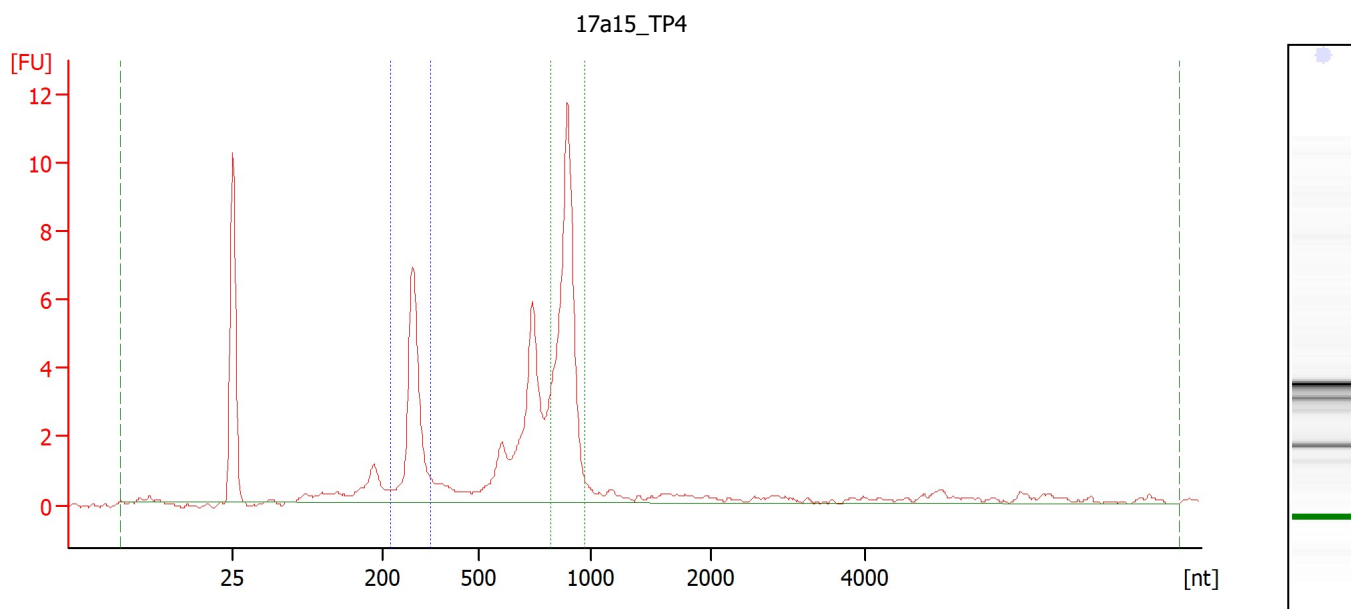
Region table for sample 11 : 17a15_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.0	16	
Region 2	825	975	15.6	32	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
 Modified: 12/2/2020 4:25:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 17a15_TP4

RNA Area:	68.9	Result Flagging Color:	
RNA Concentration:	54 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.6
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	21.8

Region table for sample 12 : 17a15_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.6	18	
Region 2	825	975	21.8	32	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_15-48-34.xad

Created: 12/2/2020 3:48:34 PM
Modified: 12/2/2020 4:25:46 PM

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