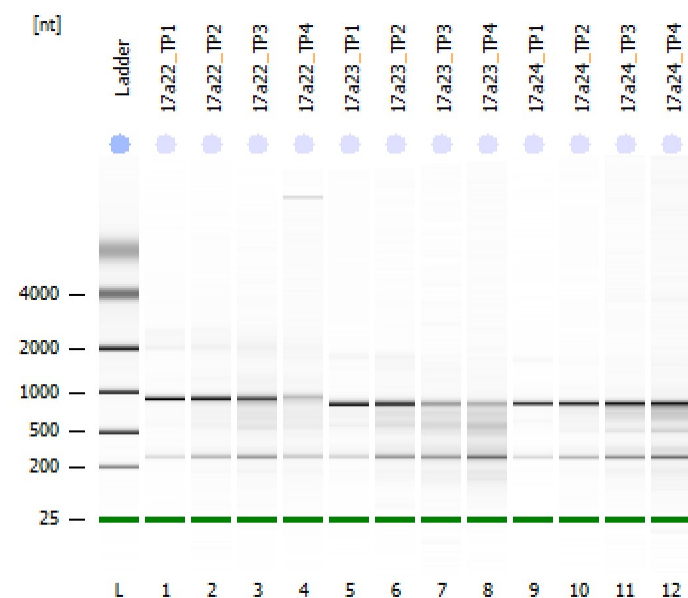


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

Electrophoresis File Run Summary



Instrument 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)

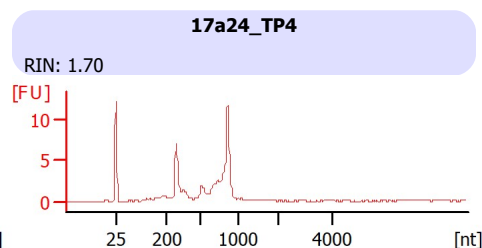
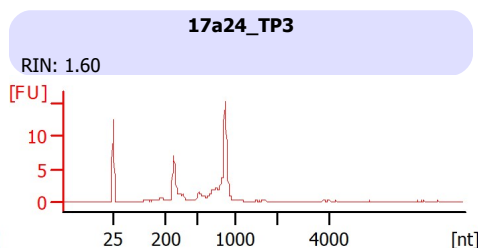
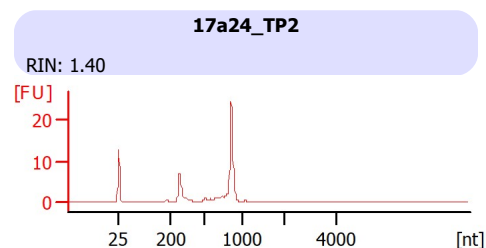
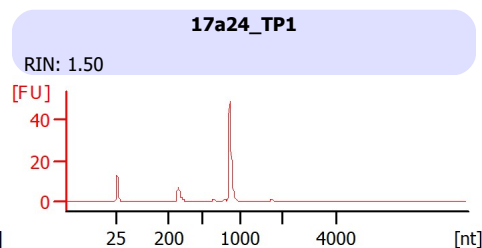
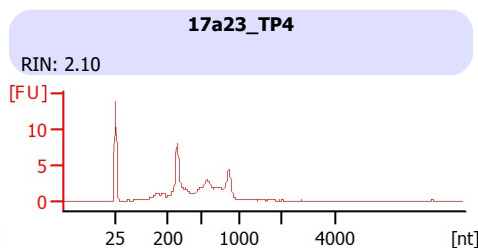
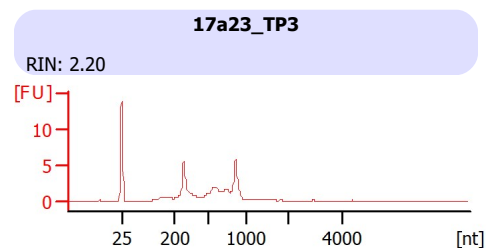
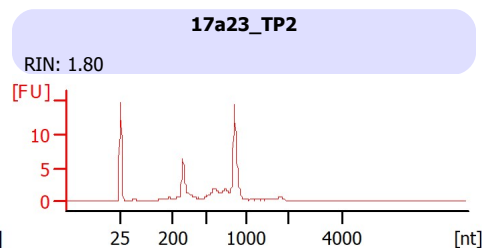
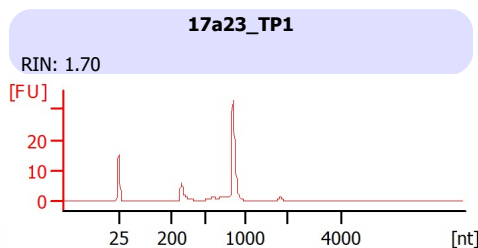
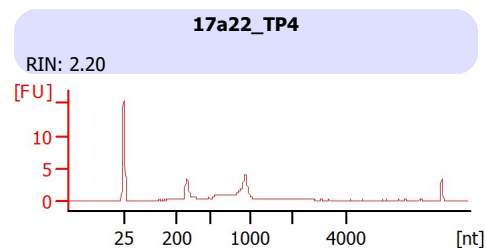
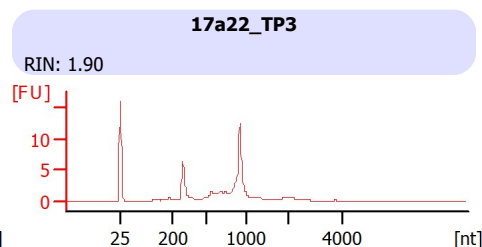
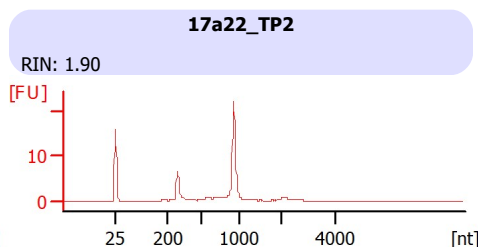
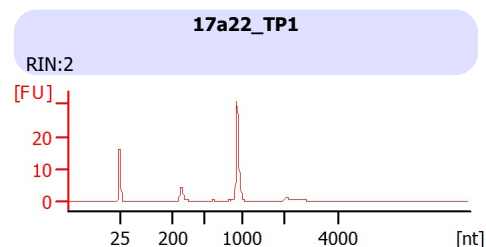
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Chip Information:

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_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
17a22_TP1		✓ RIN:2	
17a22_TP2		✓ RIN: 1.90	
17a22_TP3		✓ RIN: 1.90	
17a22_TP4		✓ RIN: 2.20	
17a23_TP1		✓ RIN: 1.70	
17a23_TP2		✓ RIN: 1.80	
17a23_TP3		✓ RIN: 2.20	
17a23_TP4		✓ RIN: 2.10	
17a24_TP1		✓ RIN: 1.50	
17a24_TP2		✓ RIN: 1.40	
17a24_TP3		✓ RIN: 1.60	
17a24_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_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 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

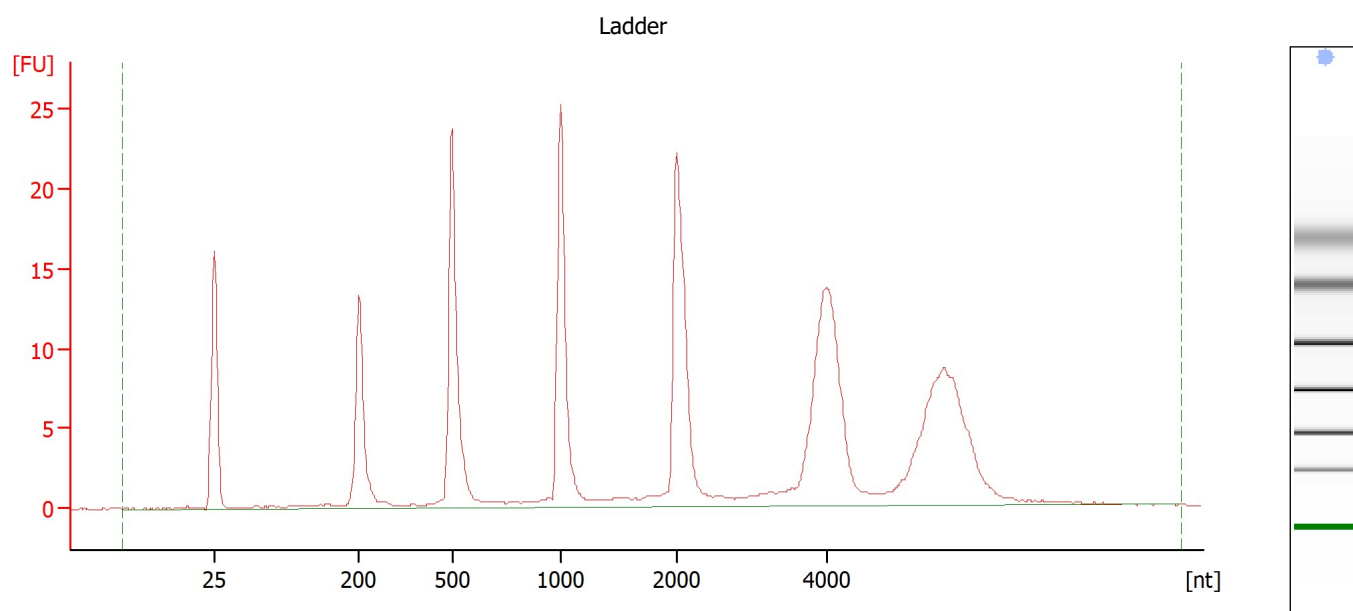
Ladder

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_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 206.6

Result Flagging Color:



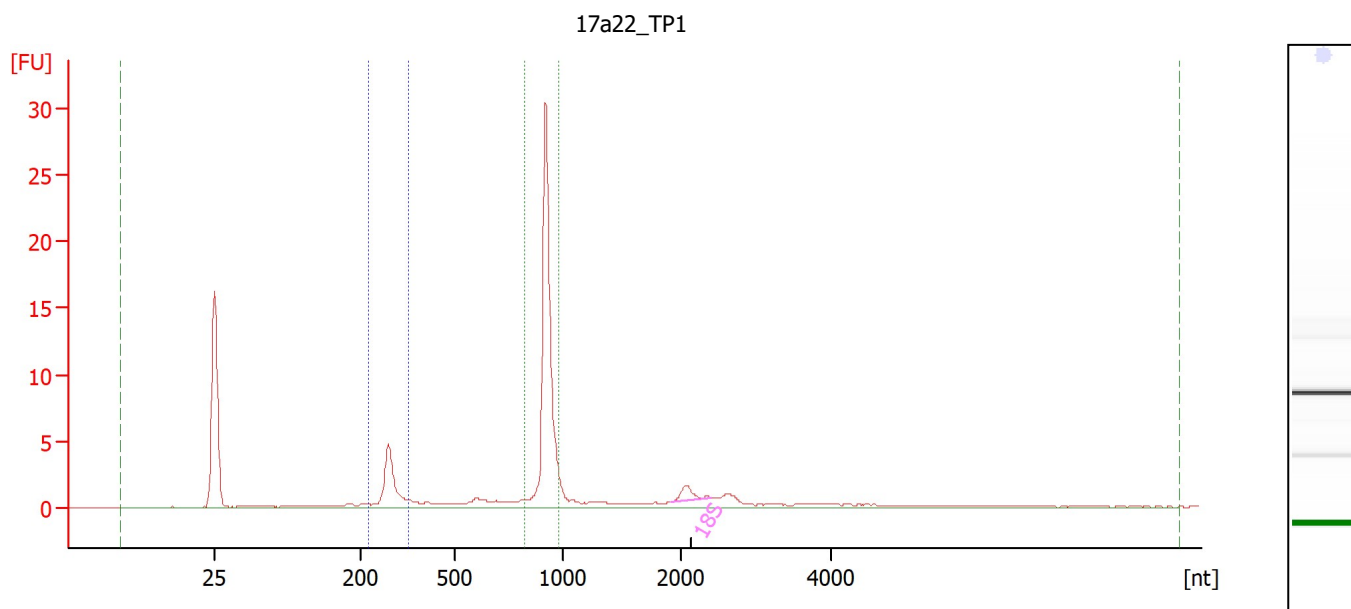
RNA Concentration: 150 ng/μl

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_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 17a22_TP1**

RNA Area:	69.1	Result Flagging Color:	
RNA Concentration:	50 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.6
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	32.9

Fragment table for sample 1 : 17a22_TP1

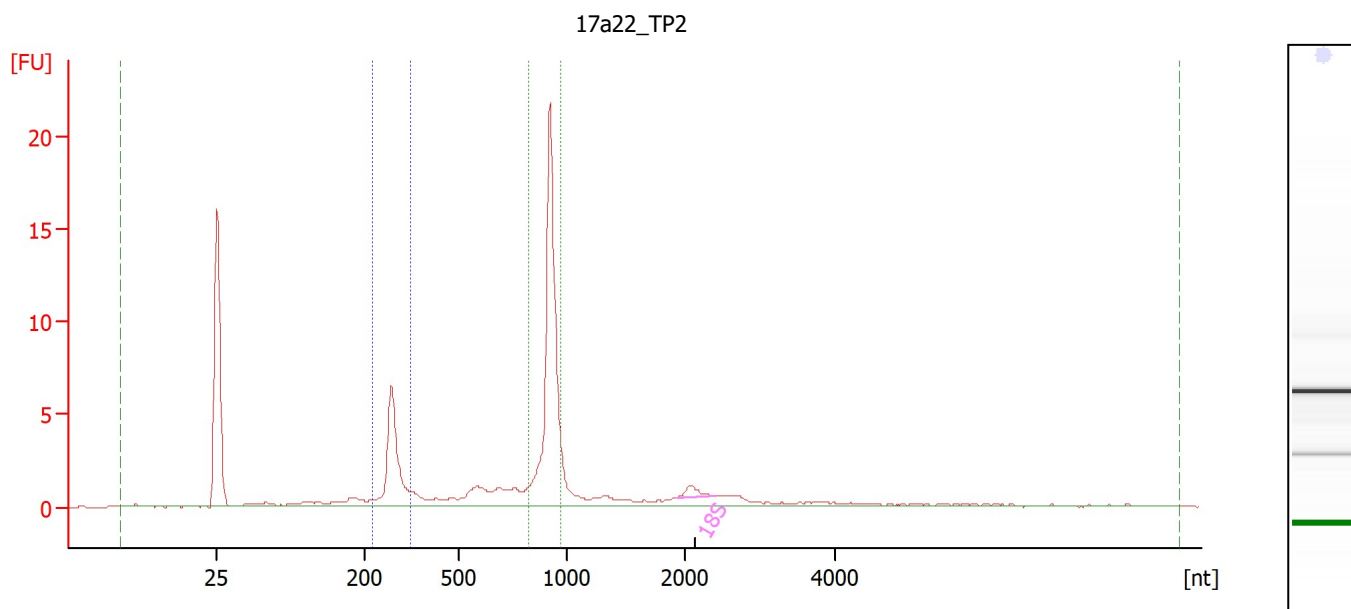
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,911	2,415	1.7	2.5

Region table for sample 1 : 17a22_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	8.6	12	
Region 2	825	975	32.9	48	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a22_TP2**

RNA Area:	67.3	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.5
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	27.4

Fragment table for sample 2 : 17a22_TP2

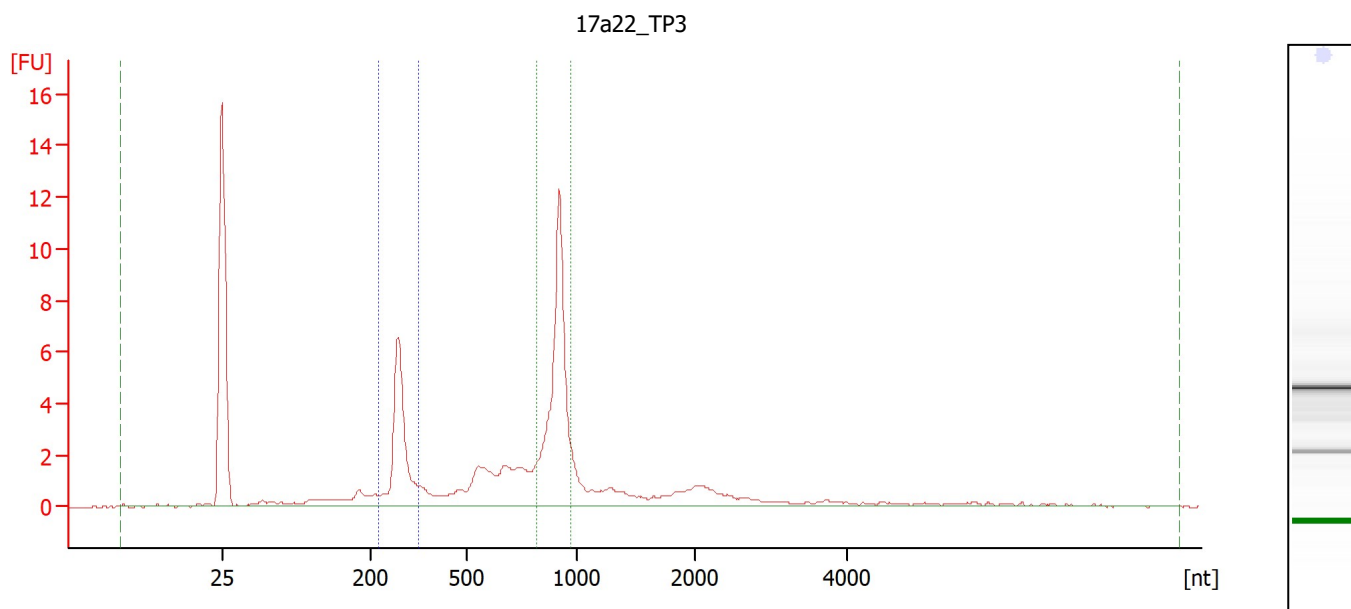
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,940	2,387	1.0	1.4

Region table for sample 2 : 17a22_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.5	17	
Region 2	825	975	27.4	41	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a22_TP3**

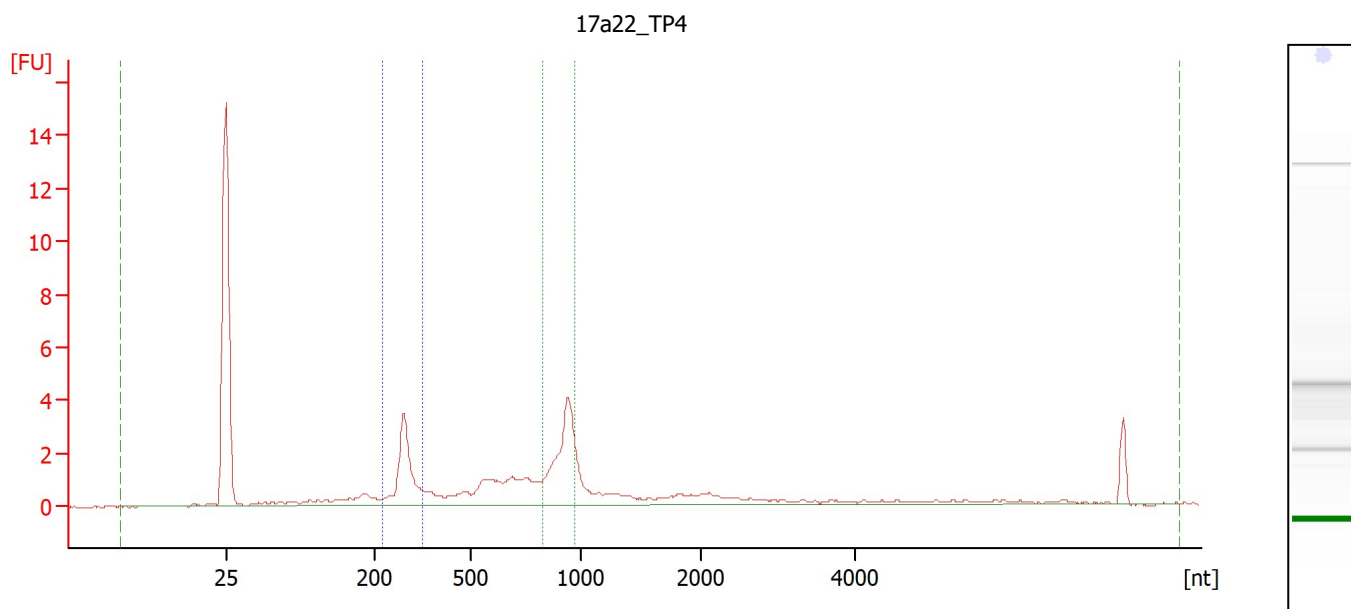
RNA Area:	66.5	Result Flagging Color:	
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN: 1.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.9
RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	20.5

Region table for sample 3 : 17a22_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.9	18	
Region 2	825	975	20.5	31	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a22 TP4**

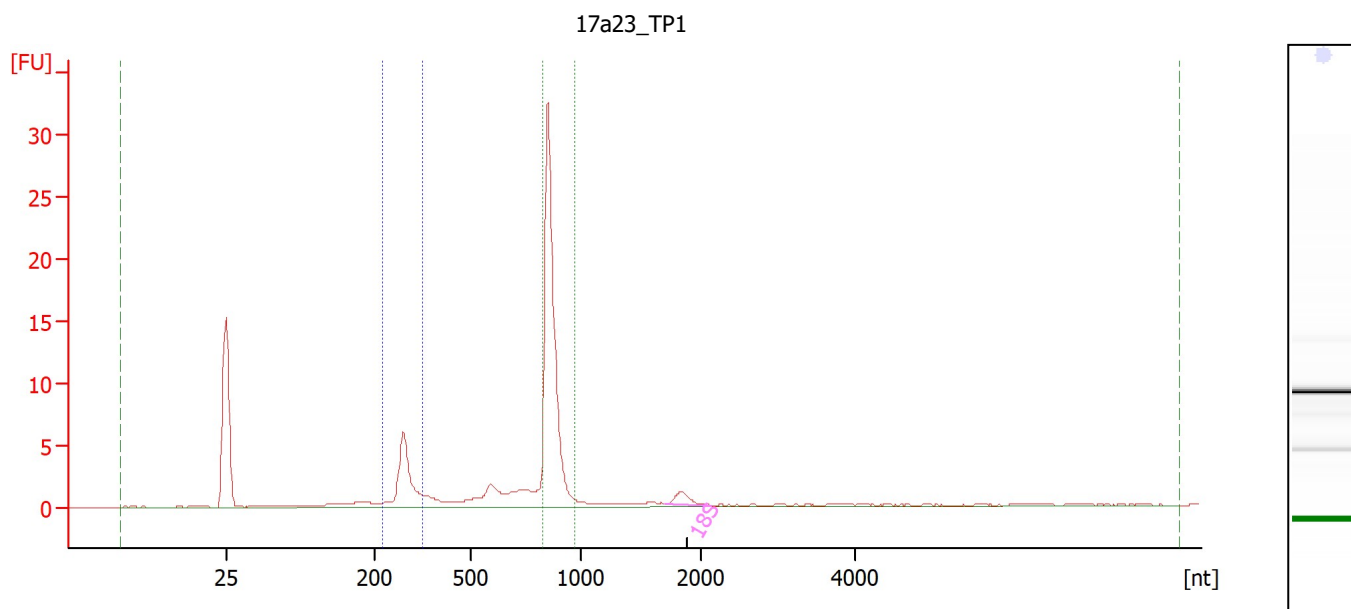
RNA Area:	41.3	Result Flagging Color:	
RNA Concentration:	30 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	6.9
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	8.6

Region table for sample 4 : 17a22 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	6.9	17	
Region 2	825	975	8.6	21	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a23_TP1**

RNA Area:	80.8	Result Flagging Color:	
RNA Concentration:	59 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.2
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	41.8

Fragment table for sample 5 : 17a23_TP1

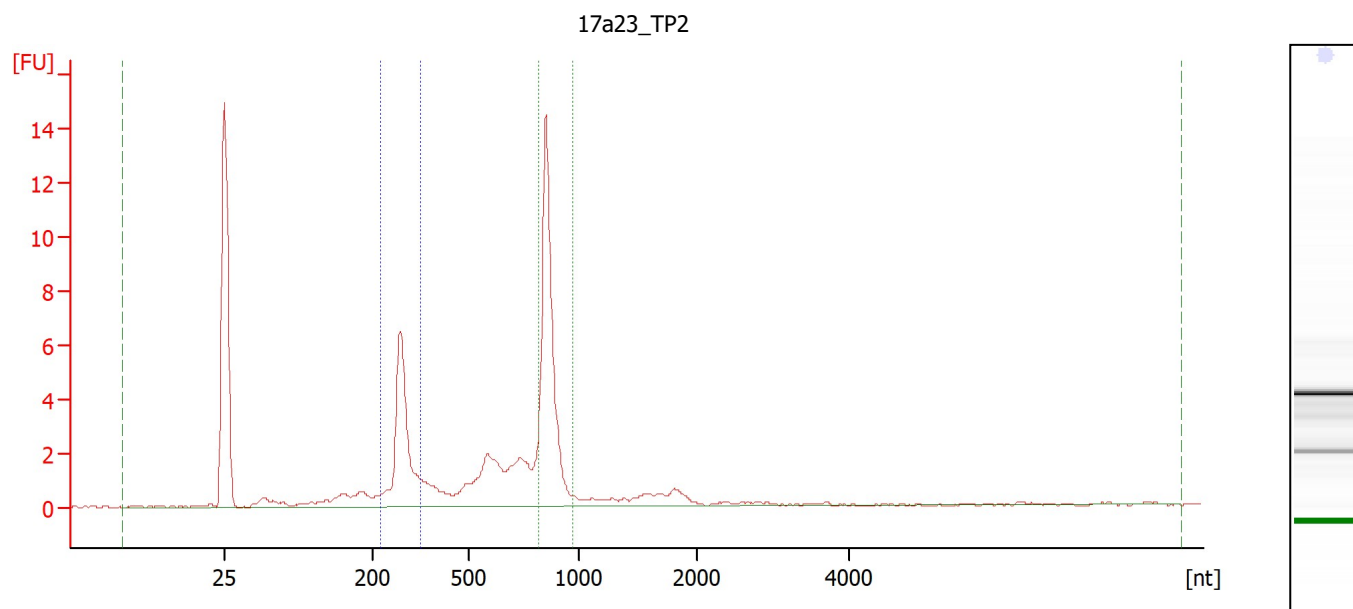
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,127	1.6	2.0


Region table for sample 5 : 17a23_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	11.2	14	r
Region 2	825	975	41.8	52	r



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a23_TP2**

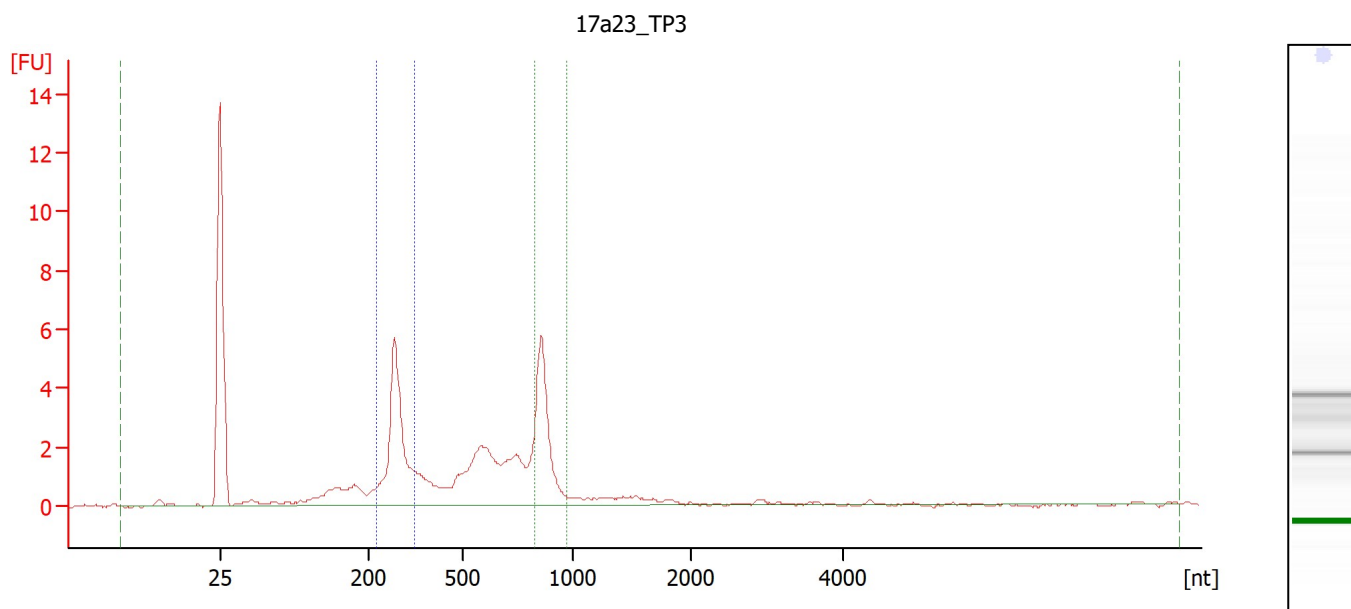
RNA Area:	61.5	Result Flagging Color:	
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.5
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	20.5

Region table for sample 6 : 17a23_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.5	20	
Region 2	825	975	20.5	33	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a23 TP3**

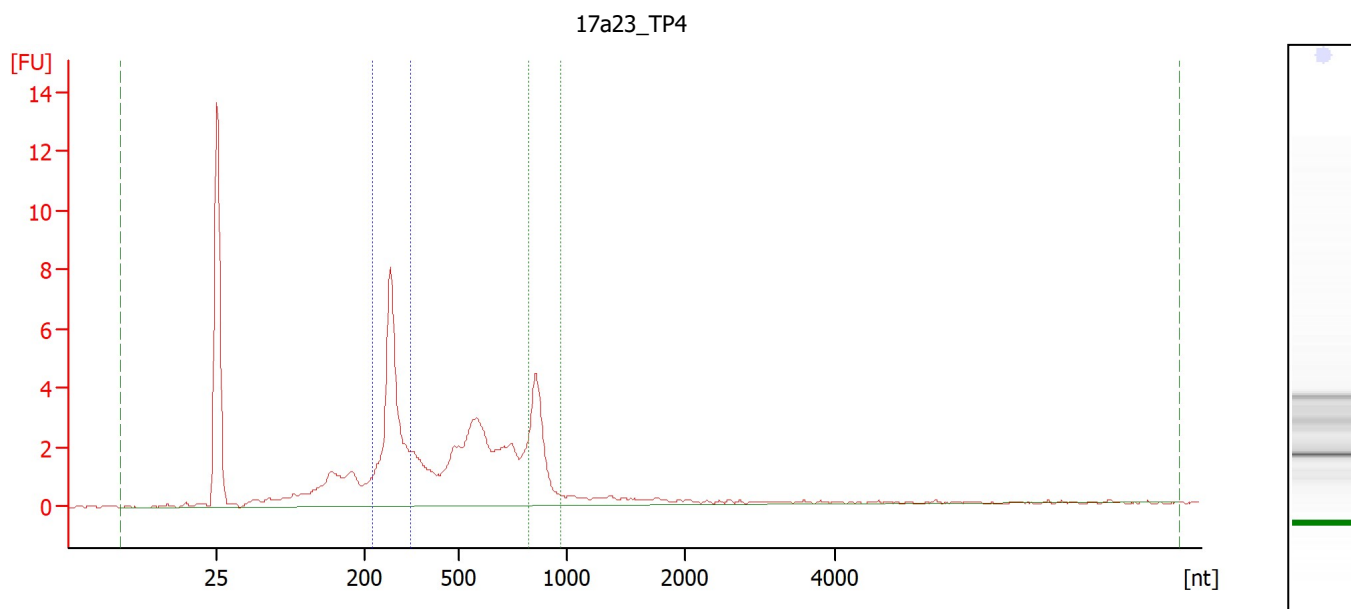
RNA Area:	52.2	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.5
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	9.5

Region table for sample 7 : 17a23 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.5	24	
Region 2	825	975	9.5	18	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a23 TP4**

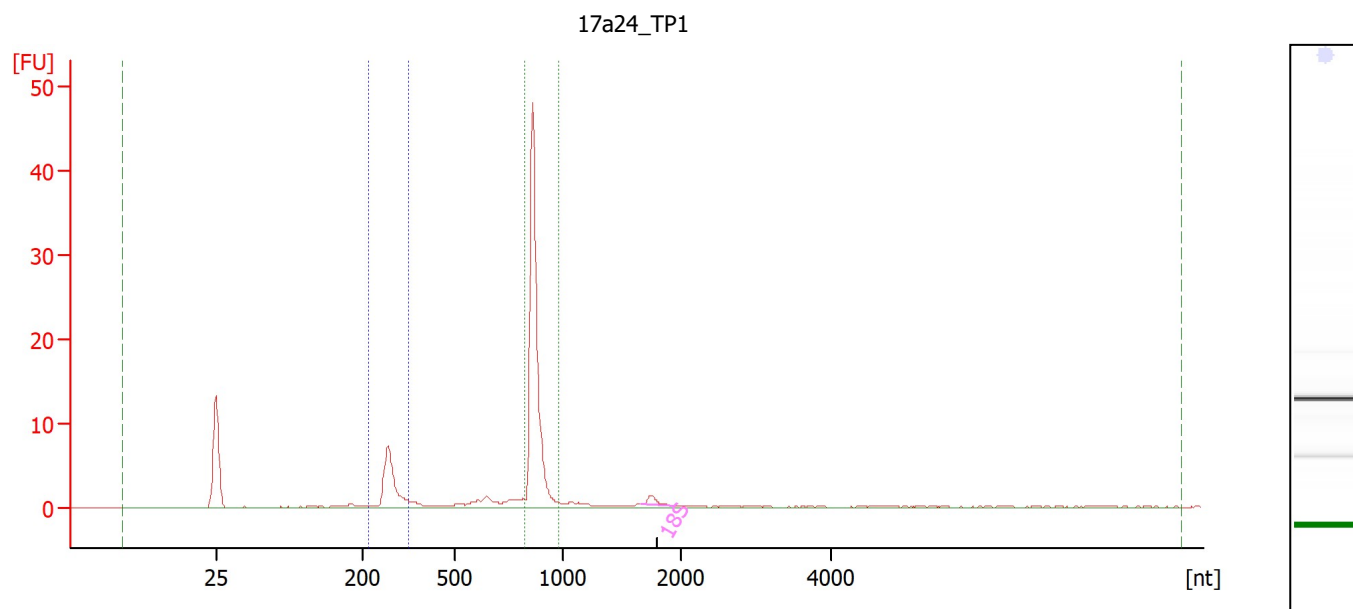
RNA Area:	73.2	Result Flagging Color:	
RNA Concentration:	53 ng/μl	Result Flagging Label:	RIN: 2.10
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	18.3
RNA Integrity Number (RIN):	2.1 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	8.0

Region table for sample 8 : 17a23 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	18.3	25	
Region 2	825	975	8.0	11	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a24_TP1**

RNA Area:	82.4	Result Flagging Color:	
RNA Concentration:	60 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.9
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	49.8

Fragment table for sample 9 : 17a24_TP1

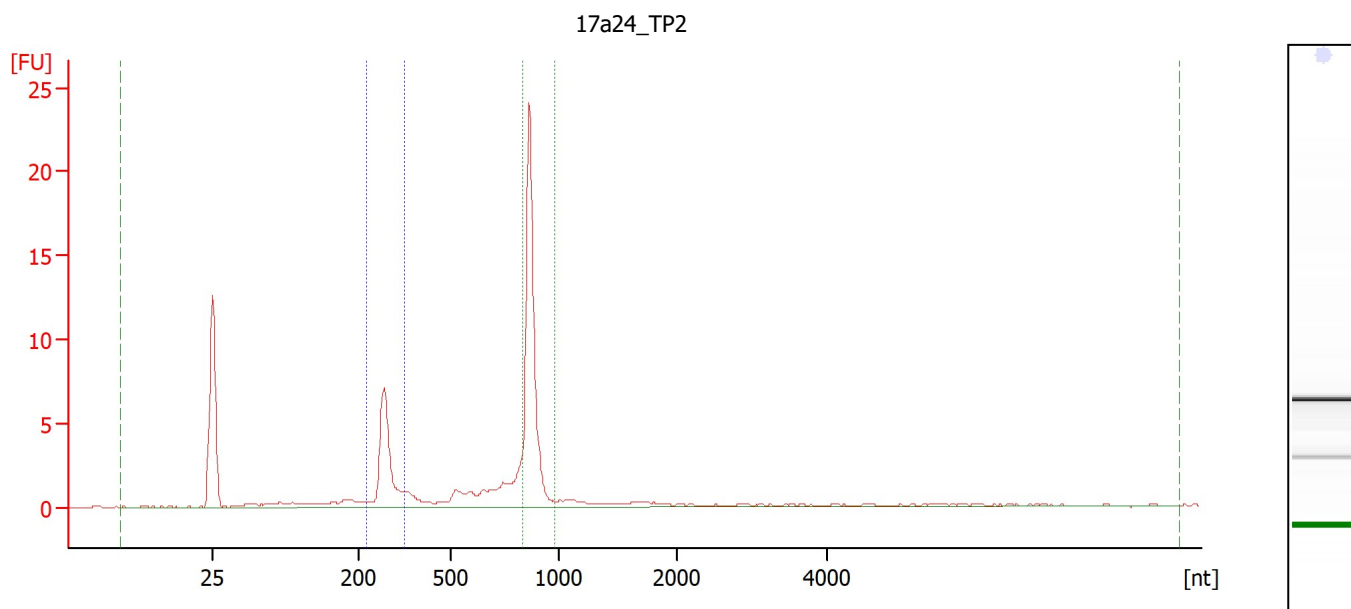
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,946	1.3	1.6

Region table for sample 9 : 17a24_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.9	16	
Region 2	825	975	49.8	60	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a24_TP2**

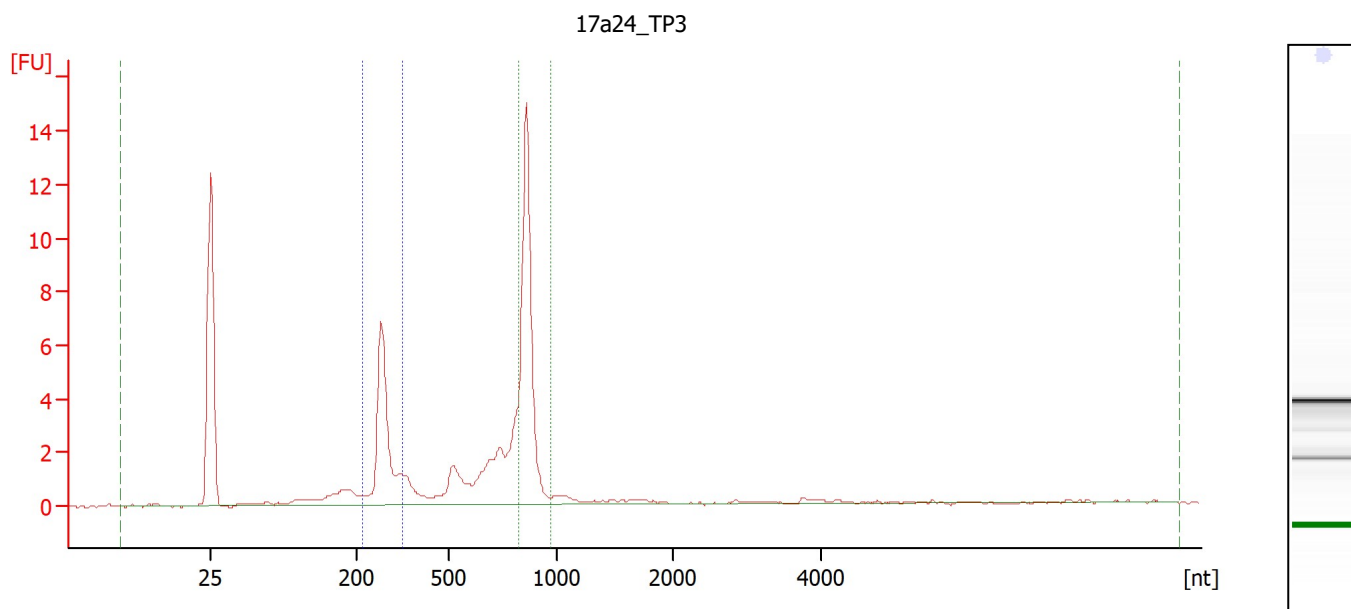
RNA Area:	62.2	Result Flagging Color:	
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.2
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	28.0

Region table for sample 10 : 17a24_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.2	20	
Region 2	825	975	28.0	45	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a24_TP3**

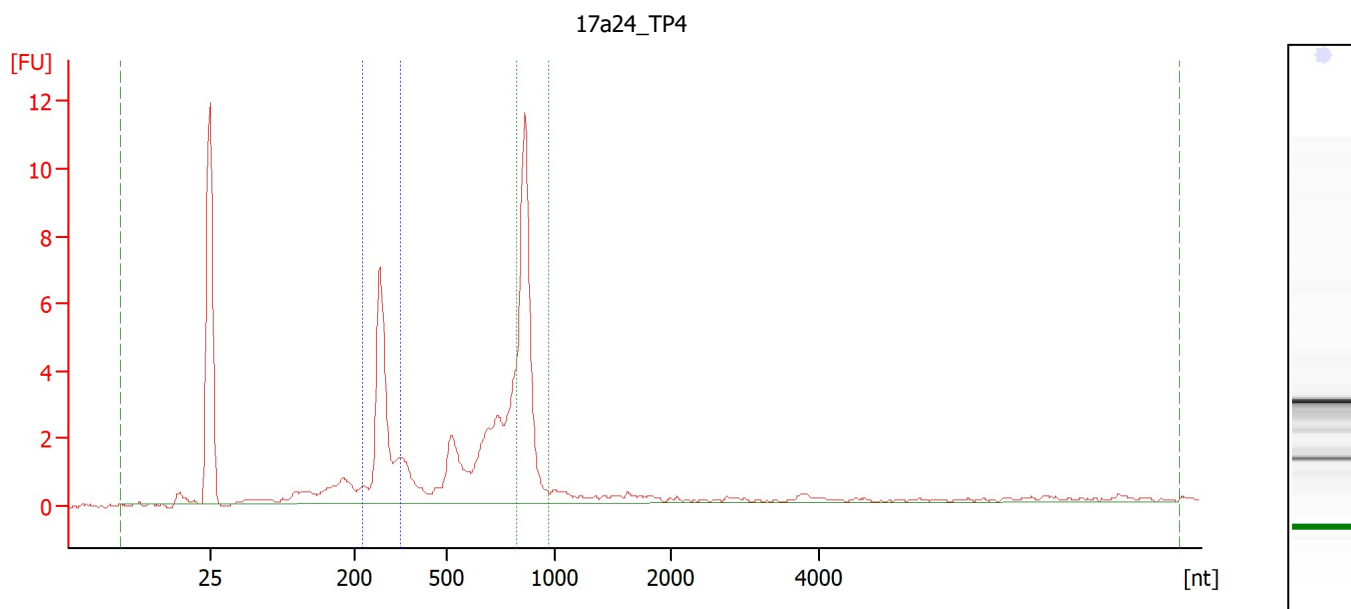
RNA Area:	60.3	Result Flagging Color:	
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN: 1.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.4
RNA Integrity Number (RIN):	1.6 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	20.1

Region table for sample 11 : 17a24_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	12.4	21	
Region 2	825	975	20.1	33	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
 Modified: 12/2/2020 5:08:42 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : 17a24_TP4**

RNA Area:	64.7	Result Flagging Color:	
RNA Concentration:	47 ng/μl	Result Flagging Label:	RIN: 1.70
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	13.0
RNA Integrity Number (RIN):	1.7 (B.02.11, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	17.2

Region table for sample 12 : 17a24_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	225	350	13.0	20	
Region 2	825	975	17.2	27	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_16-22-53.xad

Created: 12/2/2020 4:22:53 PM
Modified: 12/2/2020 5:08:42 PM

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