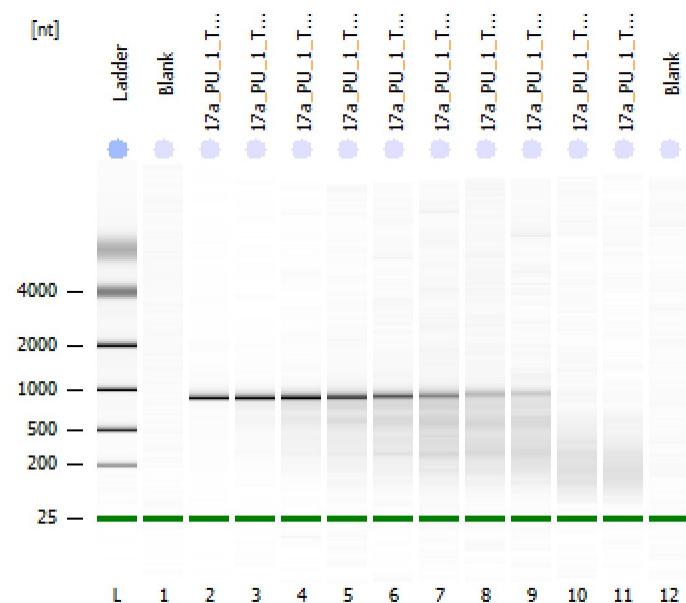


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 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)

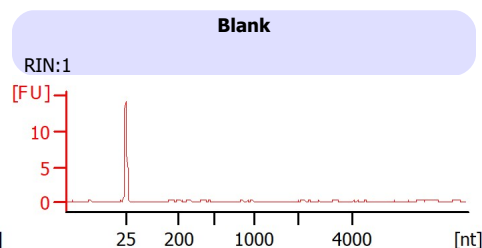
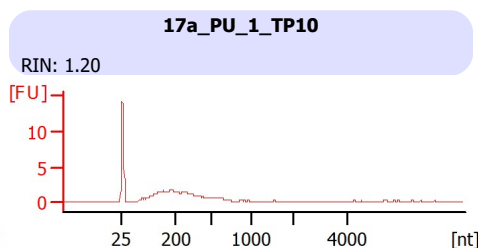
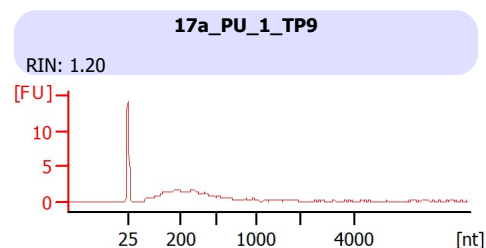
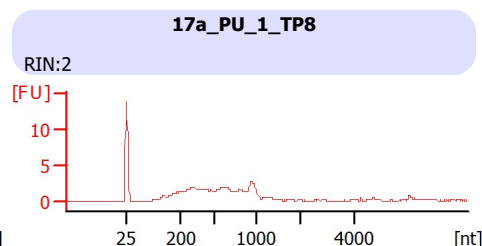
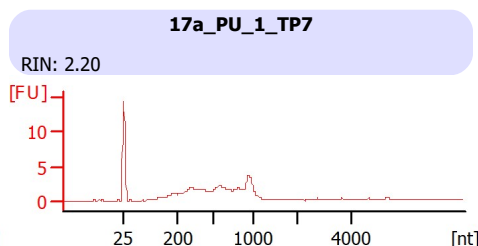
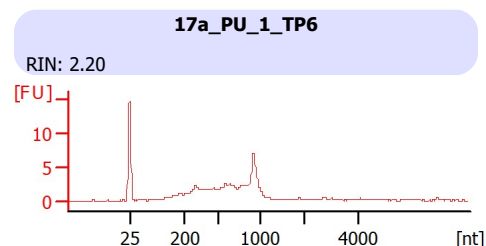
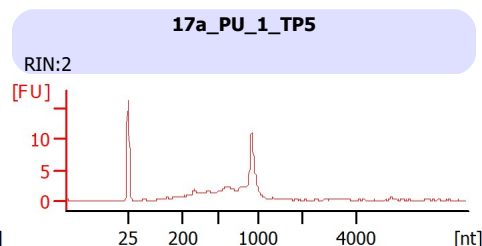
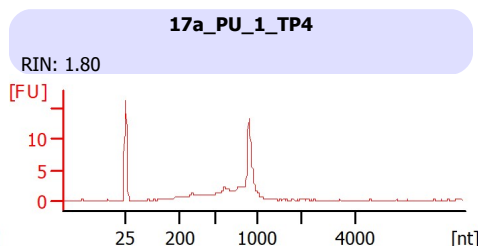
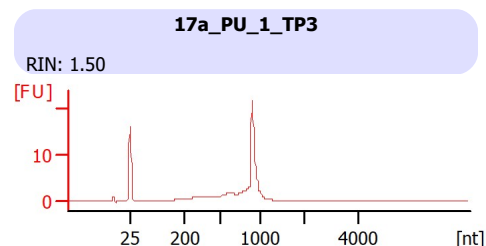
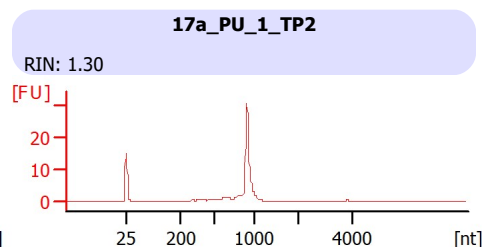
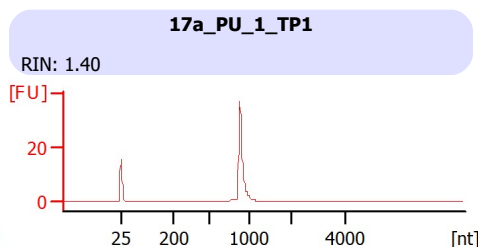
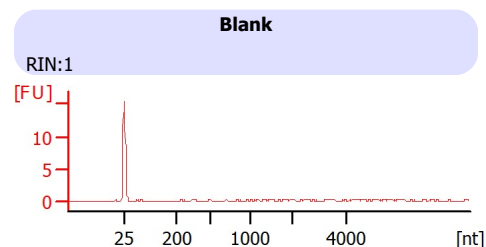
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Chip Information:

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_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Blank		✓ RIN:1	
17a_PU_1_TP1		✓ RIN: 1.40	
17a_PU_1_TP2		✓ RIN: 1.30	
17a_PU_1_TP3		✓ RIN: 1.50	
17a_PU_1_TP4		✓ RIN: 1.80	
17a_PU_1_TP5		✓ RIN:2	
17a_PU_1_TP6		✓ RIN: 2.20	
17a_PU_1_TP7		✓ RIN: 2.20	
17a_PU_1_TP8		✓ RIN:2	
17a_PU_1_TP9		✓ RIN: 1.20	
17a_PU_1_TP10		✓ RIN: 1.20	
Blank		✓ RIN:1	
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_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 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

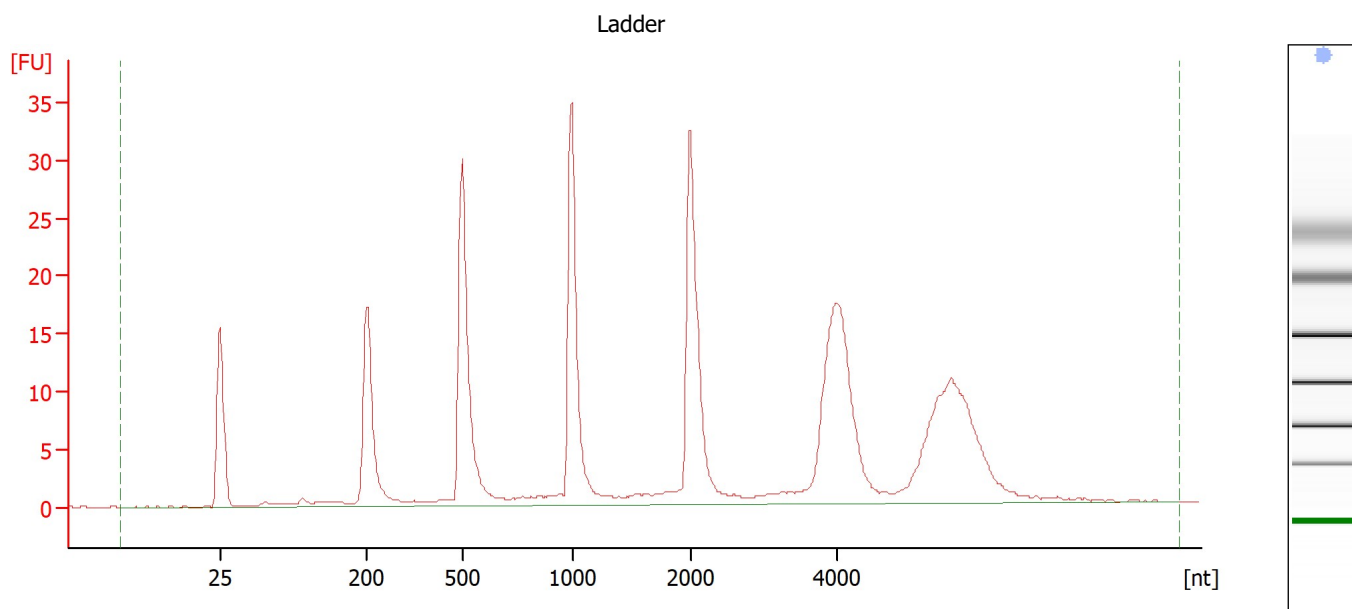
Ladder

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_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 283.8

Result Flagging Color:



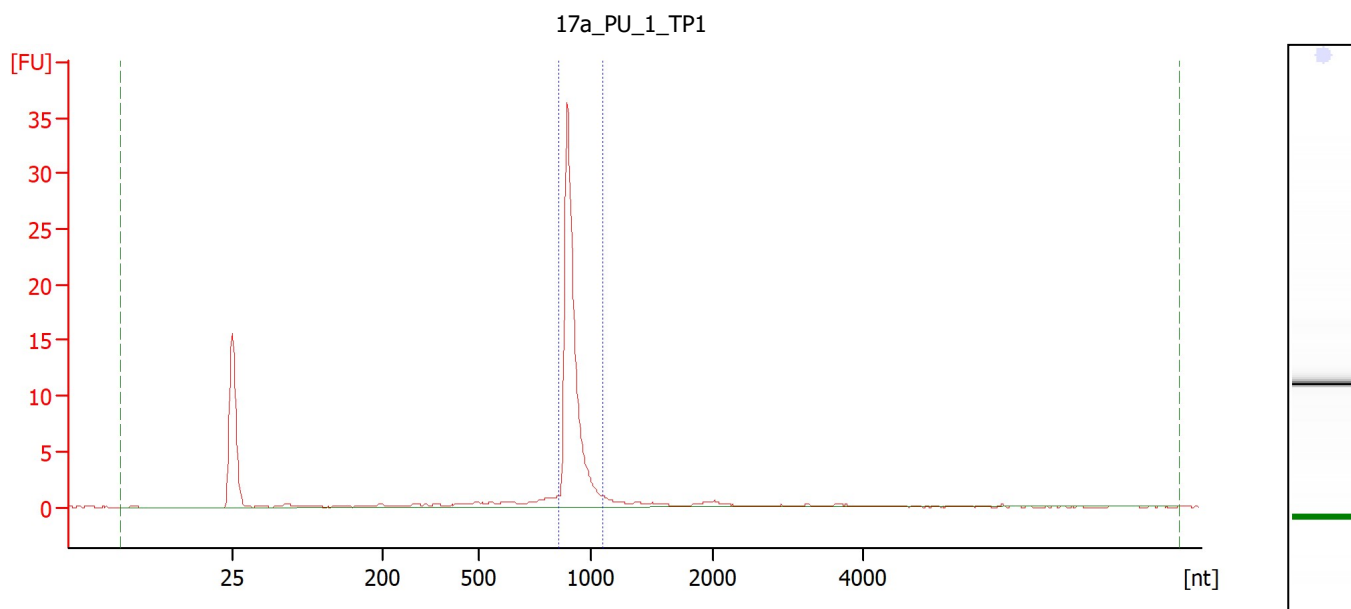
RNA Concentration: 150 ng/μl

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_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a PU 1 TP1**

RNA Area:	67.8	Result Flagging Color:	
RNA Concentration:	36 ng/μl	Result Flagging Label:	RIN: 1.40
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	49.6
RNA Integrity Number (RIN):	1.4 (B.02.11, Anomaly Threshold(s) manually adapted)		

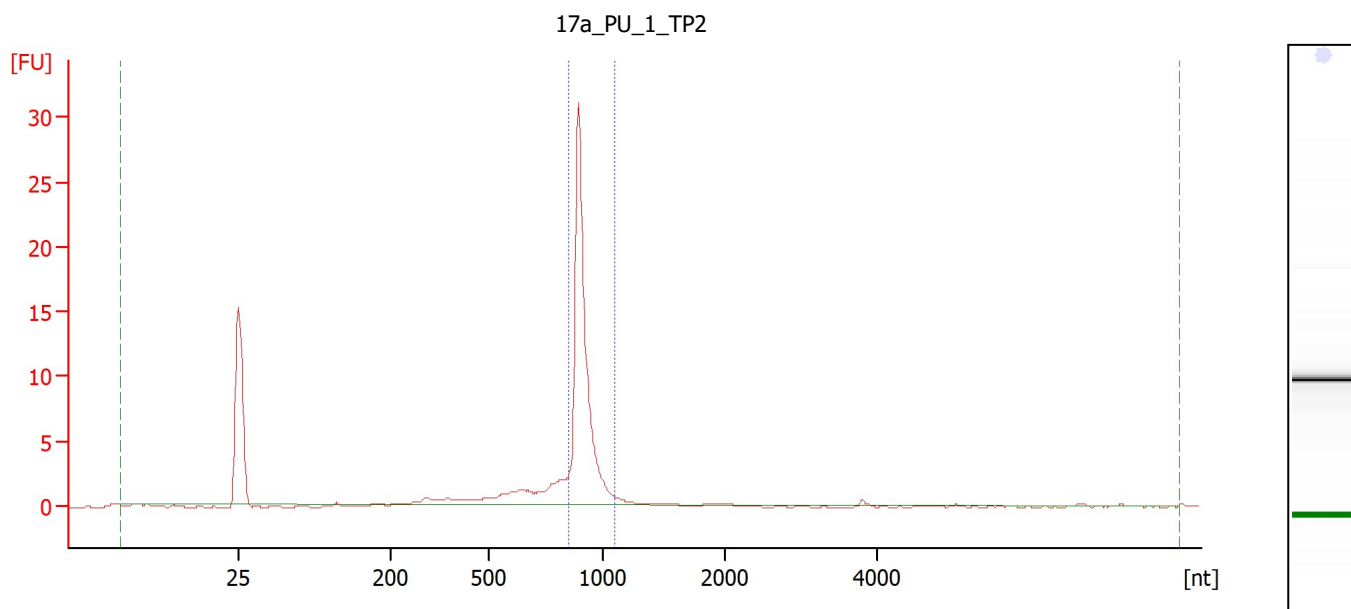
Region table for sample 2 : 17a PU 1 TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	49.6	73	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
 Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 17a PU 1 TP2

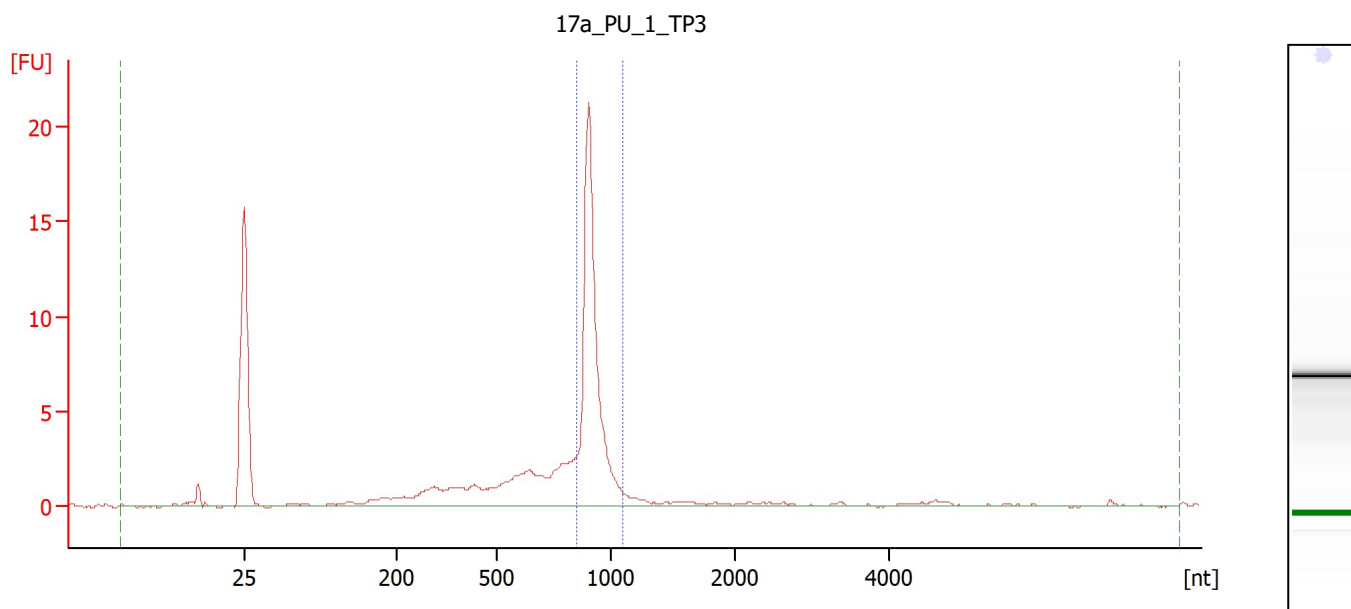
RNA Area:	64.3	Result Flagging Color:	
RNA Concentration:	34 ng/μl	Result Flagging Label:	RIN: 1.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	45.1
RNA Integrity Number (RIN):	1.3 (B.02.11, Anomaly Threshold(s) manually adapted)		


Region table for sample 3 : 17a PU 1 TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	45.1	70	


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a PU 1 TP3**

RNA Area:	67.5	Result Flagging Color:	
RNA Concentration:	36 ng/μl	Result Flagging Label:	RIN: 1.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	34.3
RNA Integrity Number (RIN):	1.5 (B.02.11, Anomaly Threshold(s) manually adapted)		

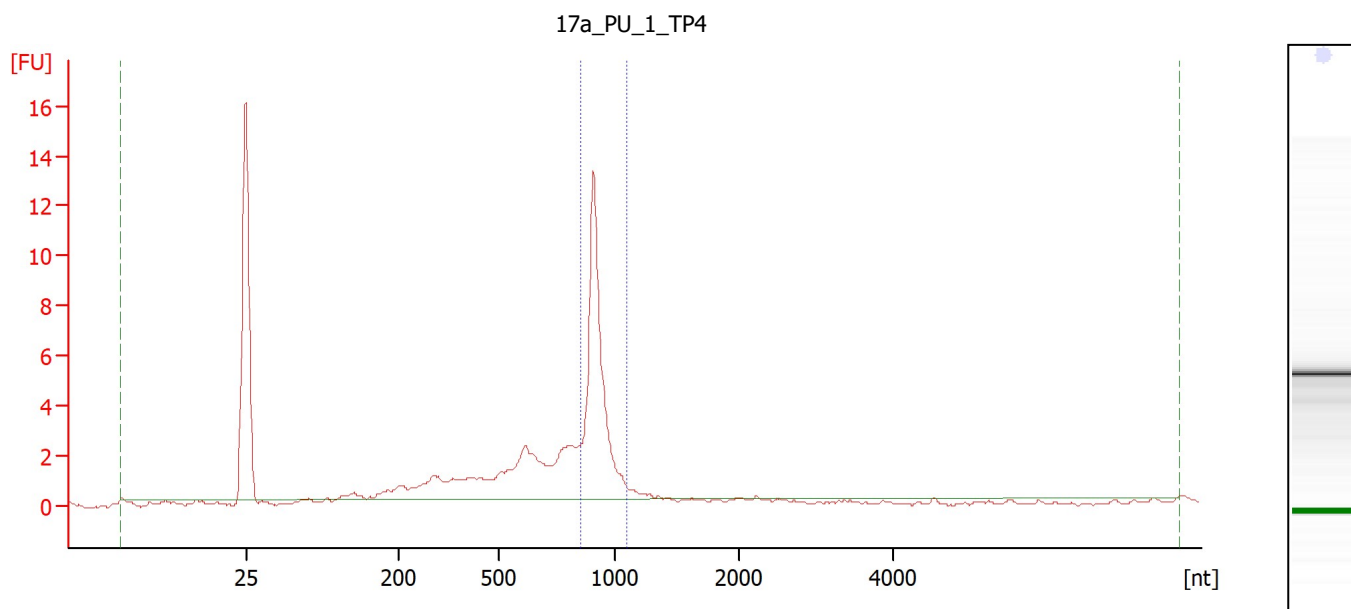
Region table for sample 4 : 17a PU 1 TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	34.3	51	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
 Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 17a PU 1 TP4

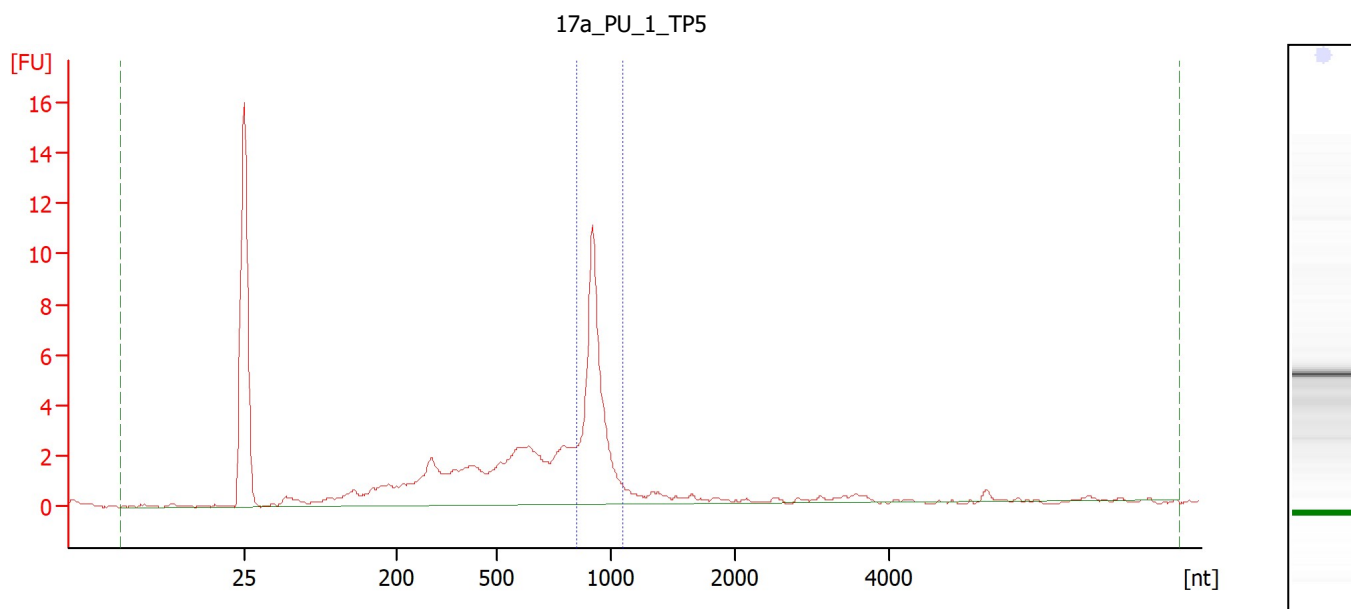
RNA Area:	49.6	Result Flagging Color:	
RNA Concentration:	26 ng/μl	Result Flagging Label:	RIN: 1.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	22.9
RNA Integrity Number (RIN):	1.8 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 5 : 17a PU 1 TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	22.9	46	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a PU 1 TP5**

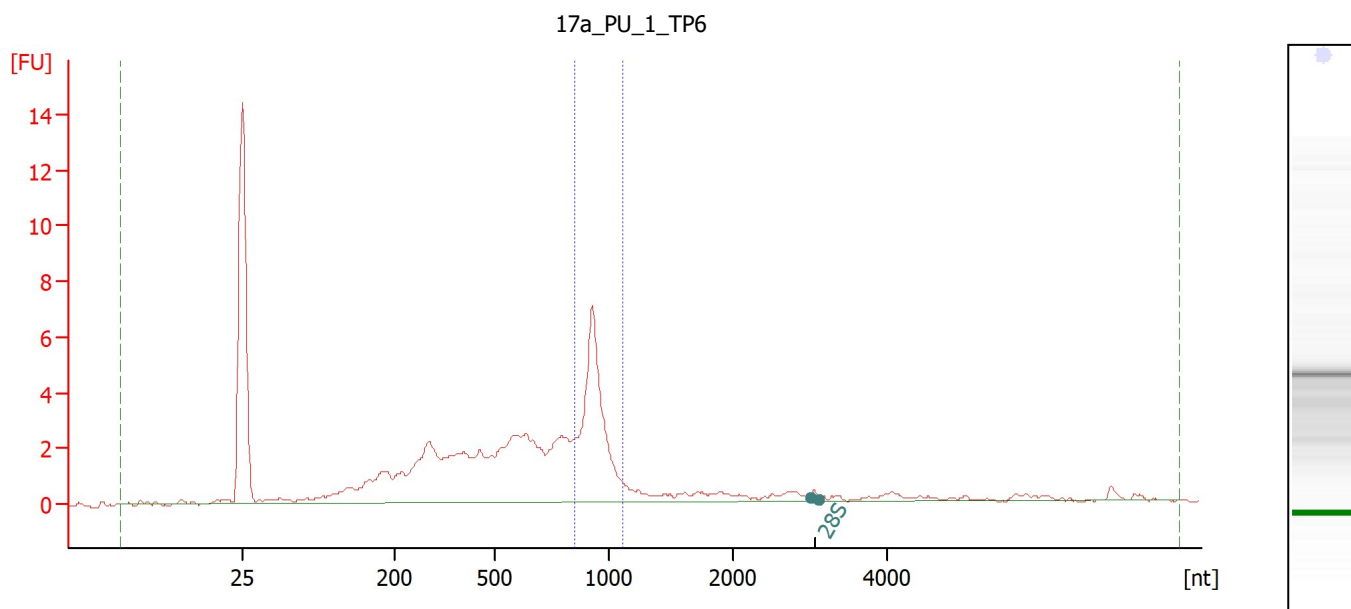
RNA Area:	72.9	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	21.8
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 6 : 17a PU 1 TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	21.8	30	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
 Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a PU 1 TP6**

RNA Area:	79.0	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	17.1
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 7 : 17a PU 1 TP6

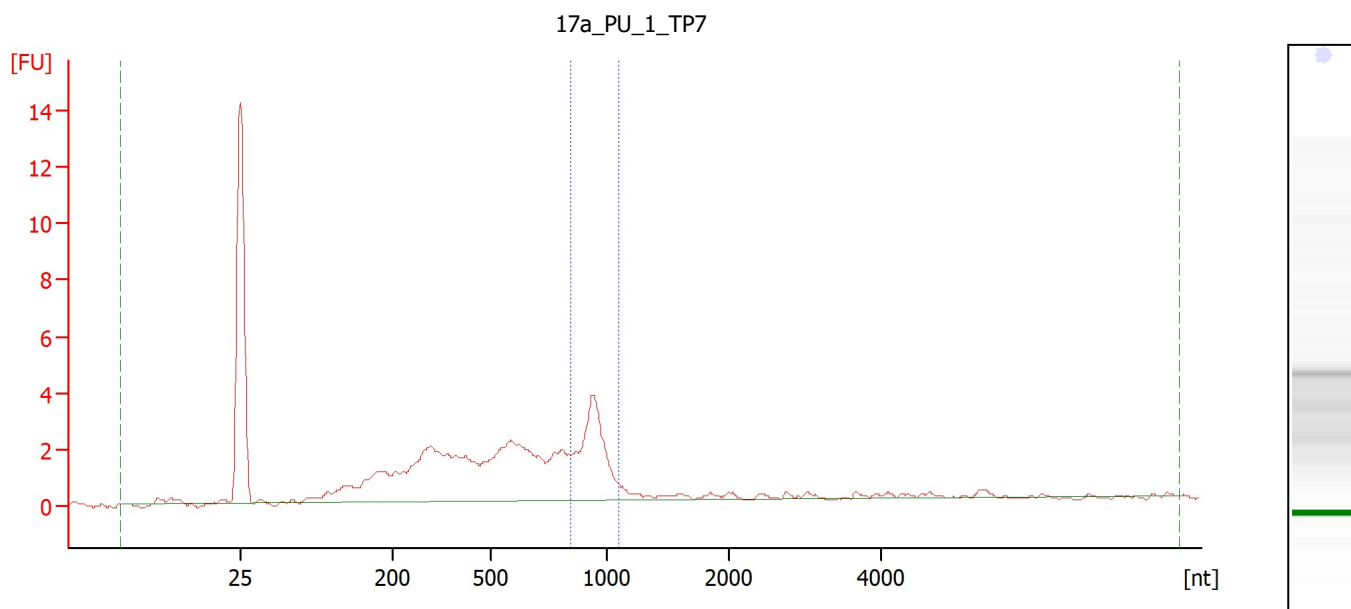
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,005	3,117	0.1	0.2

Region table for sample 7 : 17a PU 1 TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	17.1	22	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a PU 1 TP7**

RNA Area:	59.3	Result Flagging Color:	
RNA Concentration:	31 ng/μl	Result Flagging Label:	RIN: 2.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.0
RNA Integrity Number (RIN):	2.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

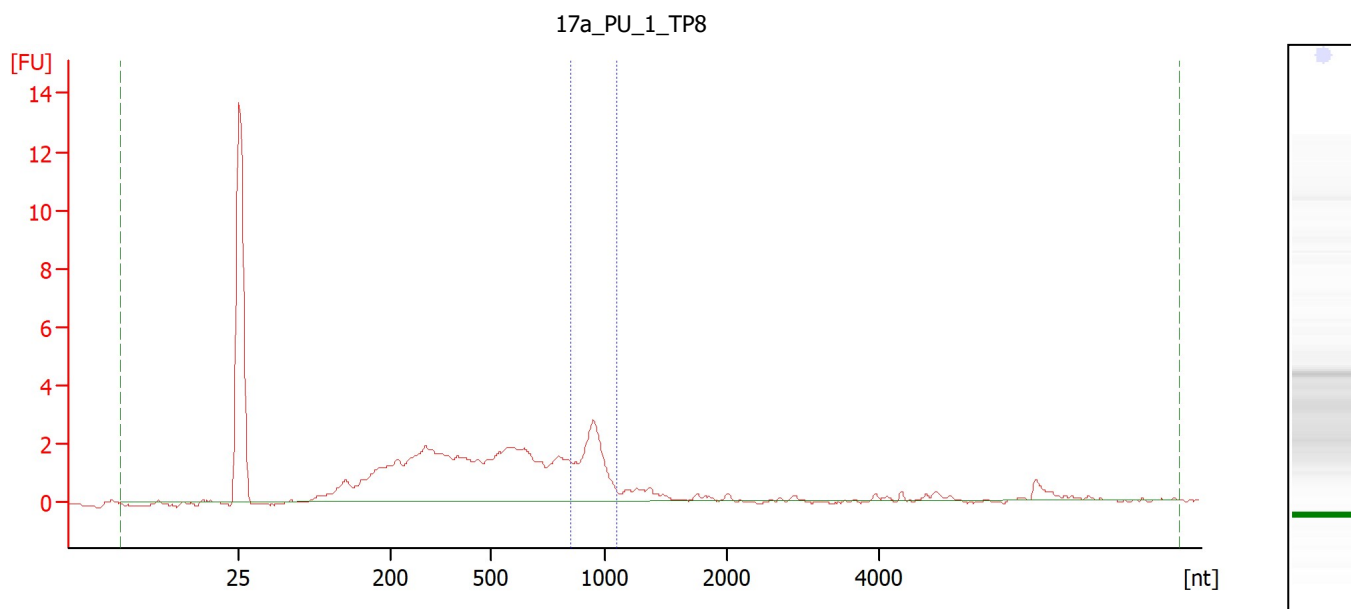
Region table for sample 8 : 17a PU 1 TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	11.0	19	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
 Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 17a PU 1 TP8

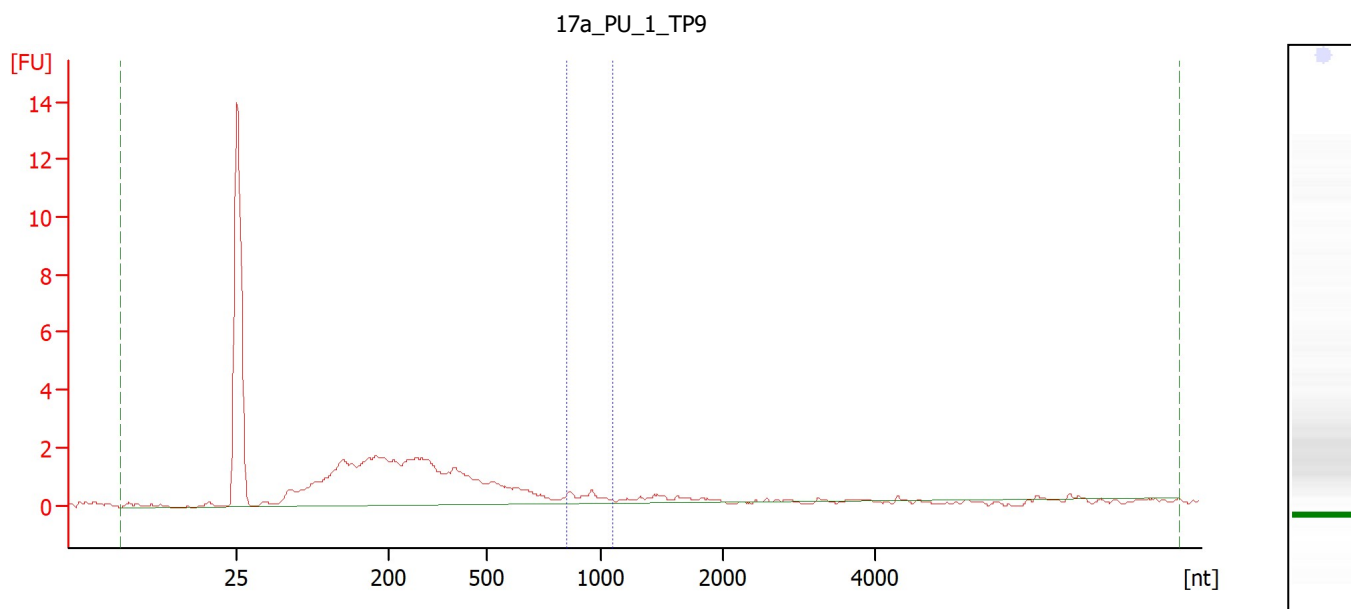
RNA Area:	57.0	Result Flagging Color:	
RNA Concentration:	30 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.6
RNA Integrity Number (RIN):	2 (B.02.11, Anomaly Threshold(s) manually adapted)		


Region table for sample 9 : 17a PU 1 TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	8.6	15	


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a_PU_1_TP9**

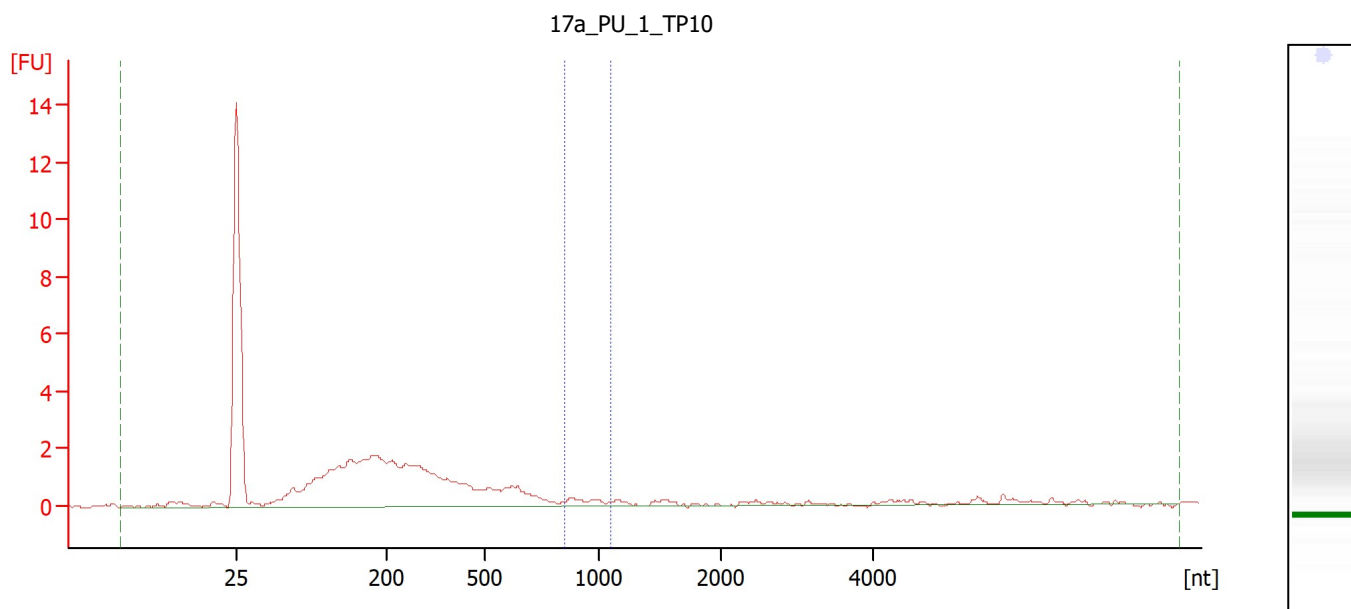
RNA Area:	46.4	Result Flagging Color:	
RNA Concentration:	25 ng/μl	Result Flagging Label:	RIN: 1.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.4
RNA Integrity Number (RIN):	1.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 10 : 17a_PU_1_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	1.4	3	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
 Modified: 12/10/2020 2:55:01 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 17a_PU_1_TP10**

RNA Area:	46.8	Result Flagging Color:	
RNA Concentration:	25 ng/μl	Result Flagging Label:	RIN: 1.20
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	1.0
RNA Integrity Number (RIN):	1.2 (B.02.11, Anomaly Threshold(s) manually adapted)		

Region table for sample 11 : 17a_PU_1_TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	850	1,100	1.0	2	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-10\Eukaryote Total RNA Nano_2020-12-10_07-39-50.xad

Created: 12/10/2020 7:39:50 AM
Modified: 12/10/2020 2:55:01 PM

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