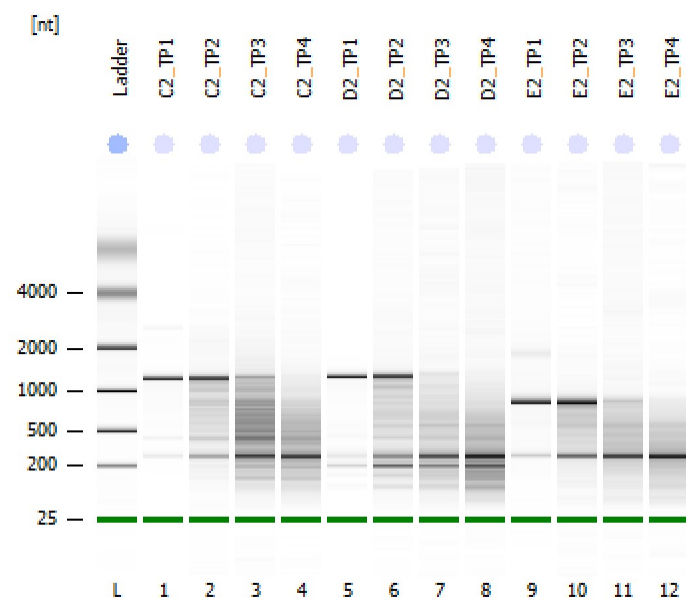


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 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)

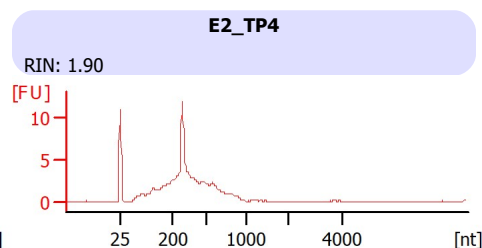
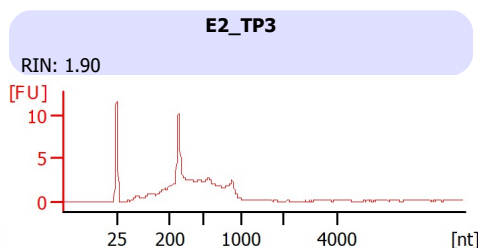
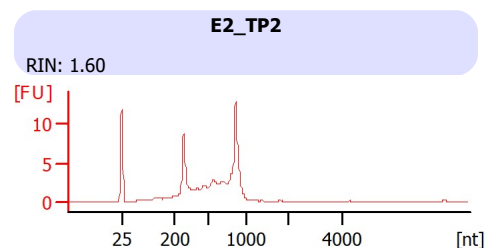
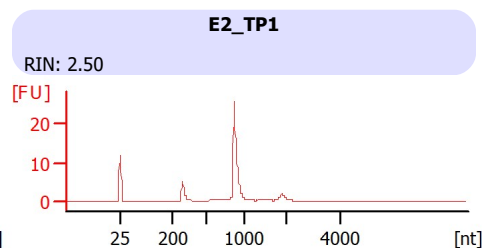
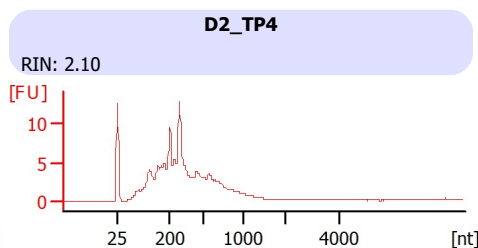
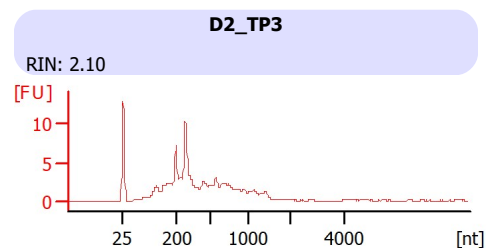
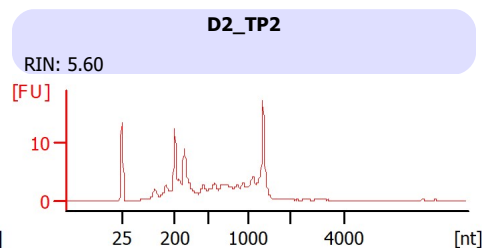
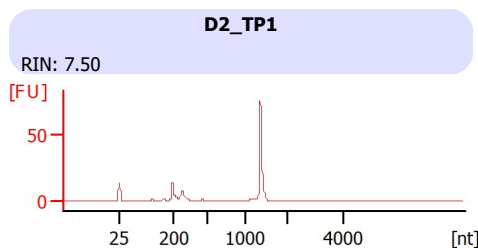
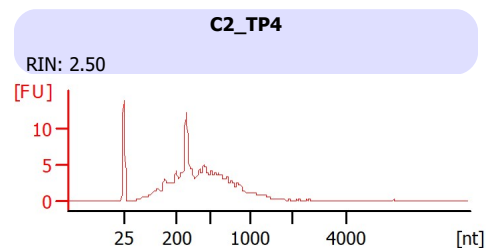
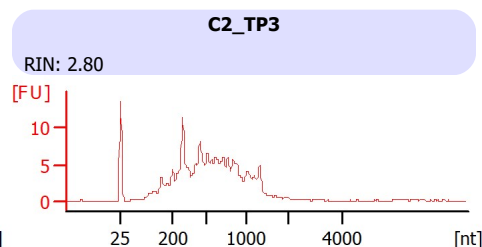
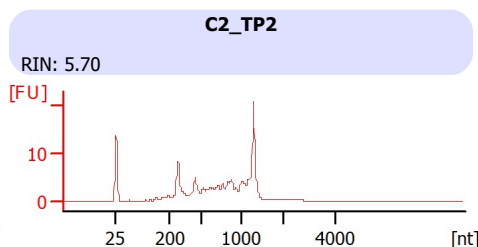
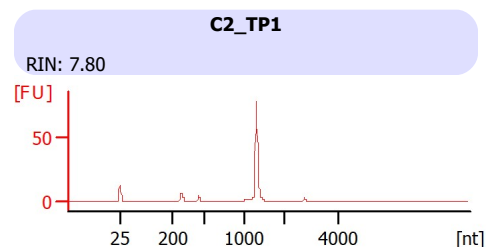
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
C2_TP1		✓ RIN: 7.80	
C2_TP2		✓ RIN: 5.70	
C2_TP3		✓ RIN: 2.80	
C2_TP4		✓ RIN: 2.50	
D2_TP1		✓ RIN: 7.50	
D2_TP2		✓ RIN: 5.60	
D2_TP3		✓ RIN: 2.10	
D2_TP4		✓ RIN: 2.10	
E2_TP1		✓ RIN: 2.50	
E2_TP2		✓ RIN: 1.60	
E2_TP3		✓ RIN: 1.90	
E2_TP4		✓ RIN: 1.90	
Ladder		✓ All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 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

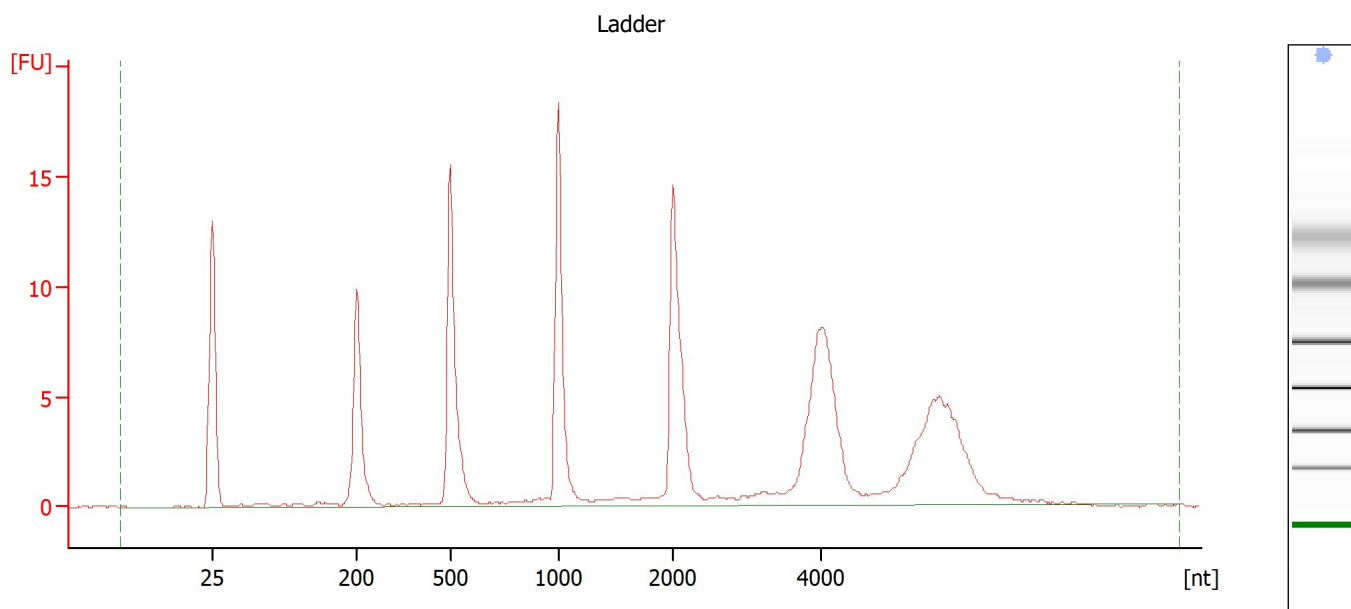
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 128.8

Result Flagging Color:



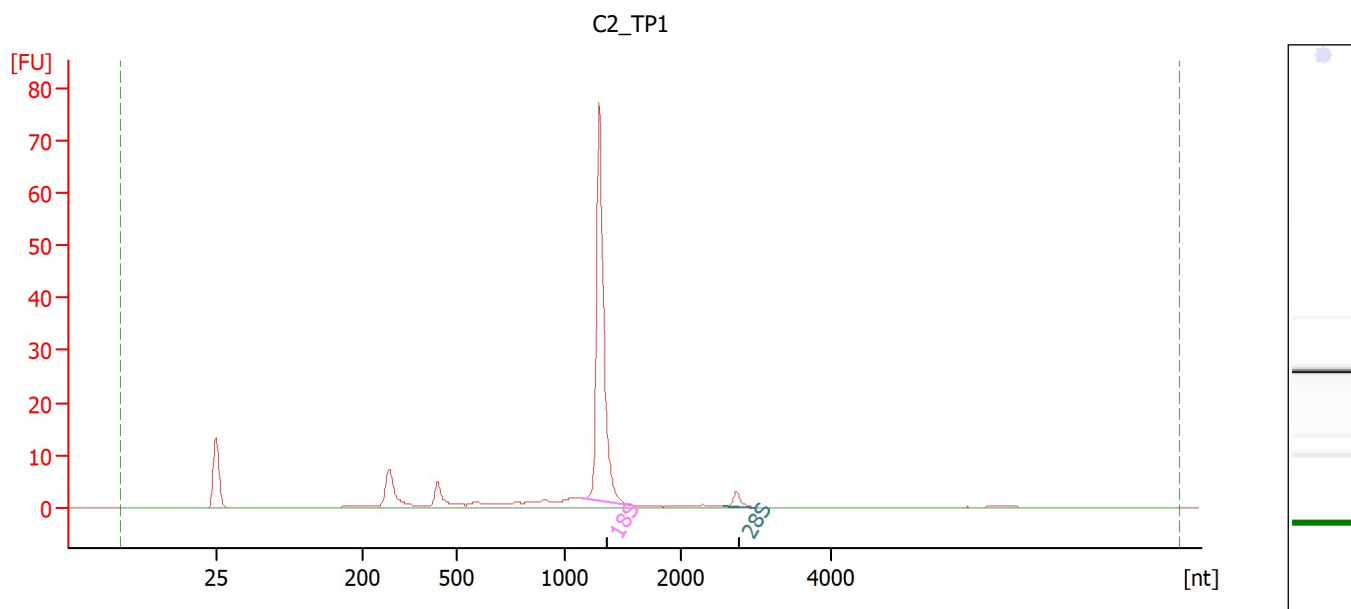
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : C2_TP1**

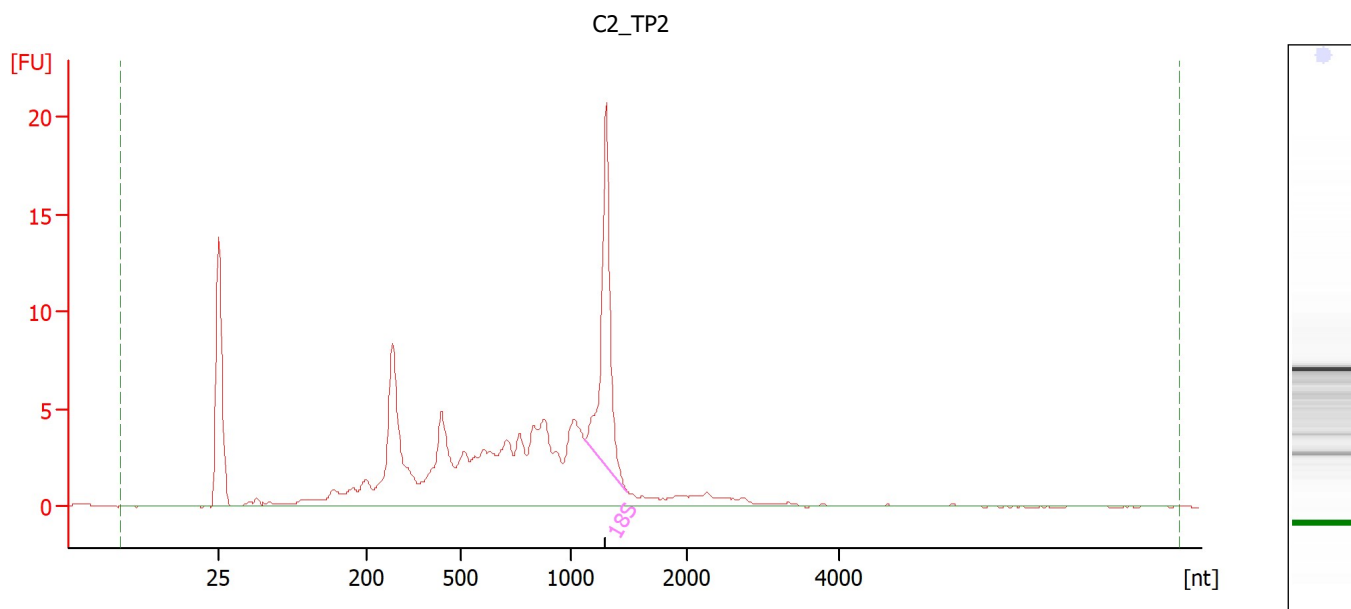
RNA Area:	129.8	RNA Integrity Number (RIN):	7.8 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	151 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.80

Fragment table for sample 1 : C2_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,140	1,599	69.3	53.4
28S	2,561	2,989	2.4	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : C2_TP2**

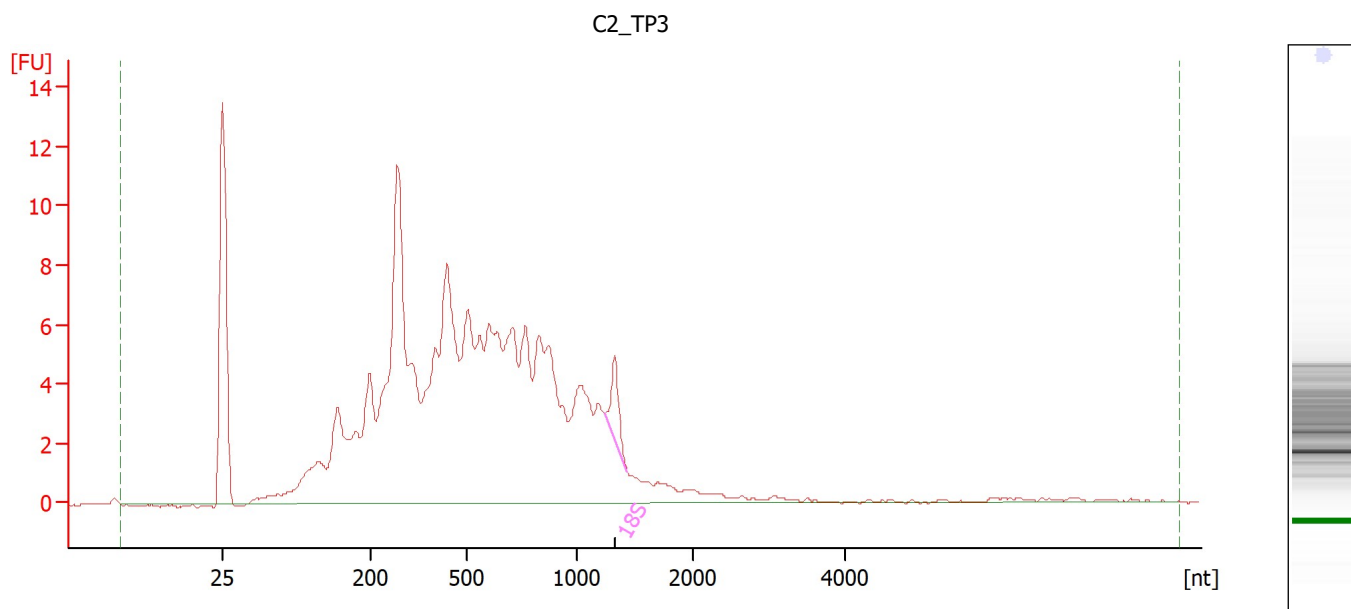
RNA Area:	124.1	RNA Integrity Number (RIN):	5.7 (B.02.11)
RNA Concentration:	145 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.70

Fragment table for sample 2 : C2_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,129	1,485	19.9	16.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : C2_TP3**

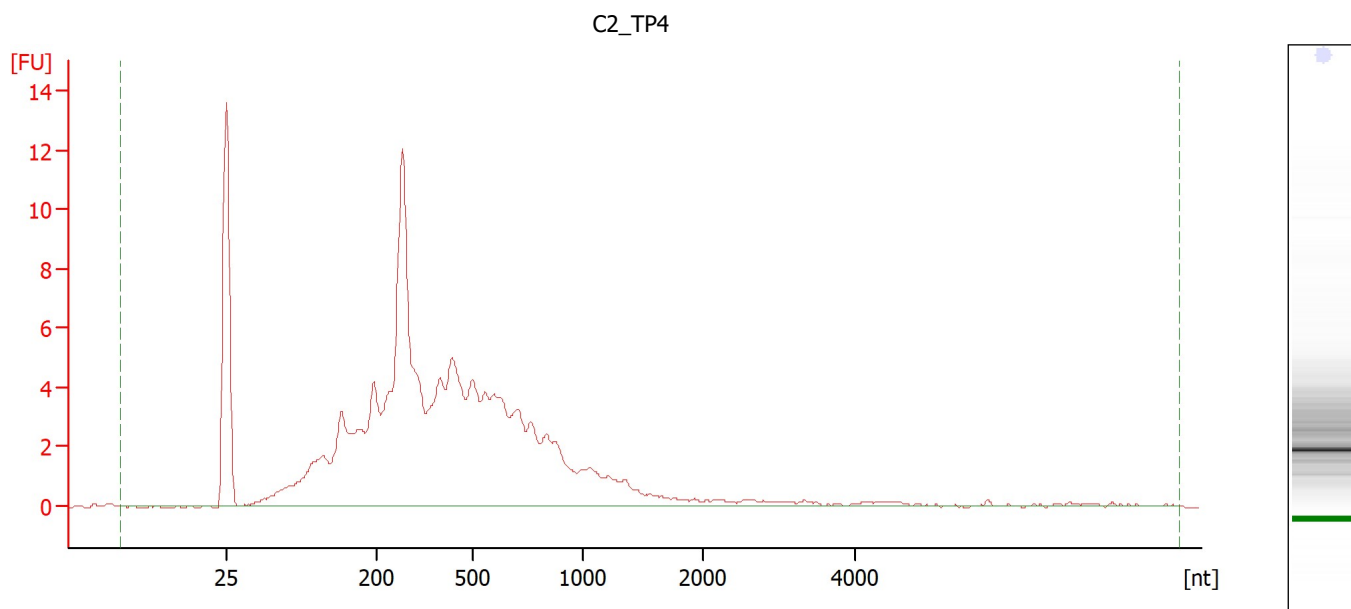
RNA Area:	186.0	RNA Integrity Number (RIN):	2.8 (B.02.11)
RNA Concentration:	217 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

Fragment table for sample 3 : C2_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,246	1,436	2.5	1.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

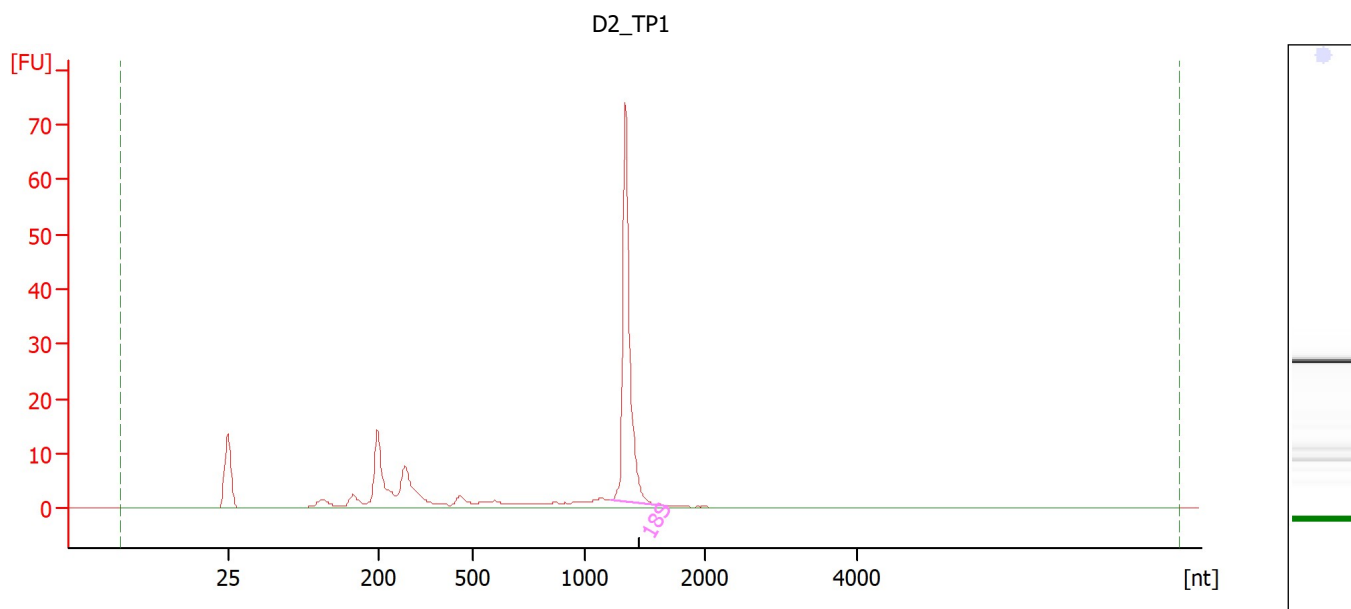
Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : C2_TP4**

RNA Area:	138.1	RNA Integrity Number (RIN):	2.5 (B.02.11)
RNA Concentration:	161 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : D2_TP1**

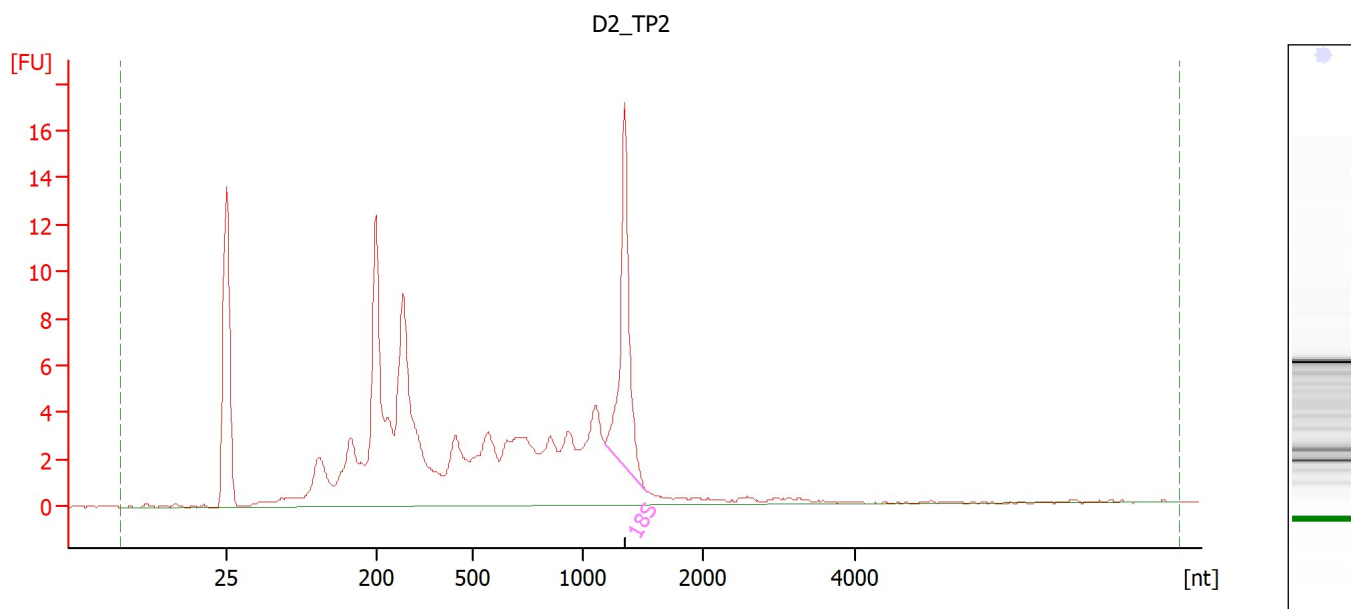
RNA Area:	146.7	RNA Integrity Number (RIN):	7.5 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	171 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.50

Fragment table for sample 5 : D2_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,222	1,689	64.3	43.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : D2_TP2**

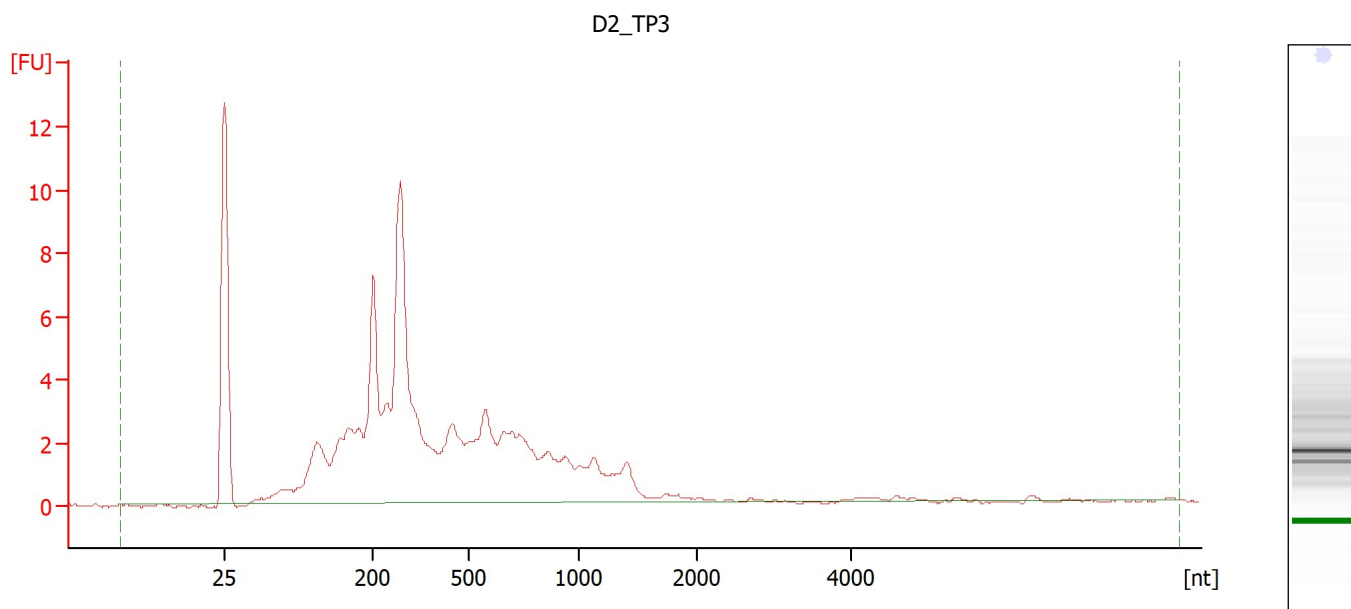
RNA Area:	145.4	RNA Integrity Number (RIN):	5.6 (B.02.11)
RNA Concentration:	169 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.60

Fragment table for sample 6 : D2_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,183	1,534	16.6	11.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

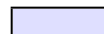
Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : D2_TP3**

RNA Area: 104.0
RNA Concentration: 121 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.1 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

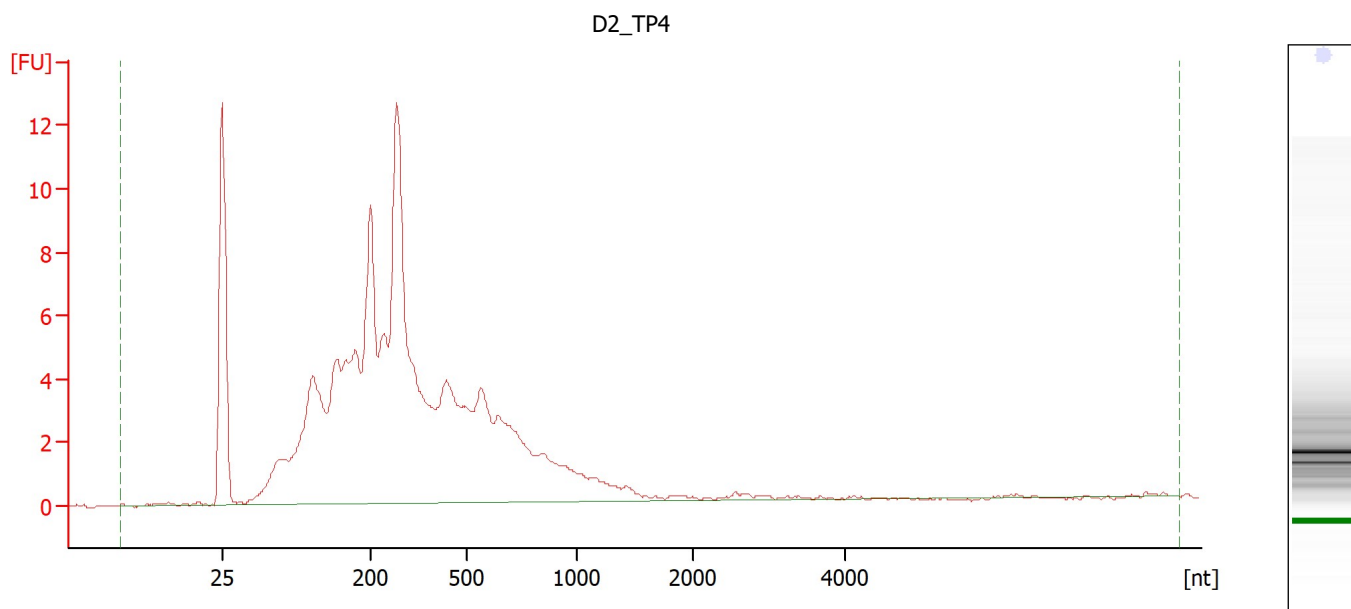


Result Flagging Label:

RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

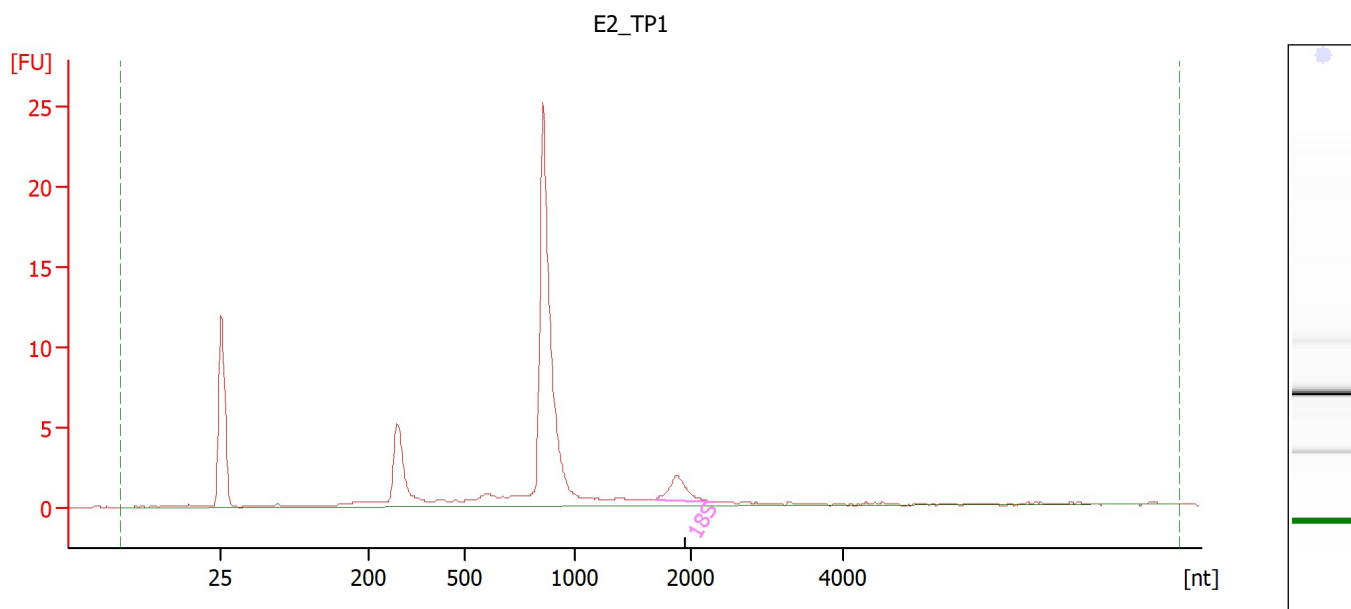
Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : D2_TP4**

RNA Area:	156.1	RNA Integrity Number (RIN):	2.1 (B.02.11)
RNA Concentration:	182 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : E2_TP1**

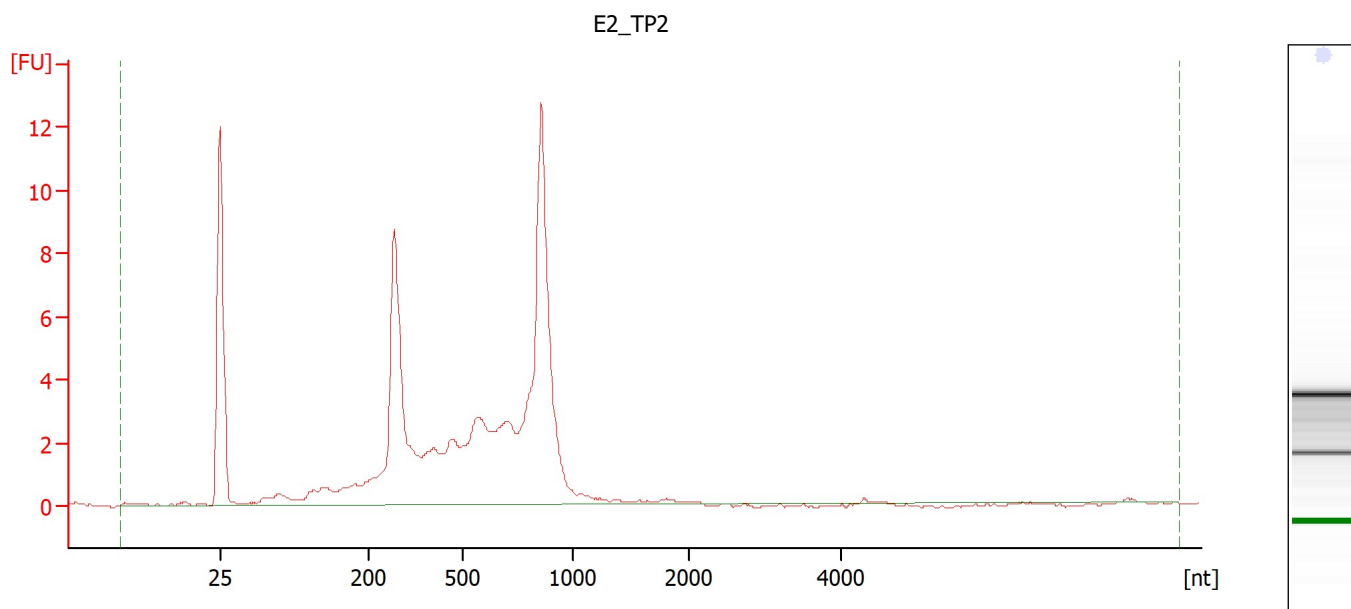
RNA Area:	68.4	RNA Integrity Number (RIN):	2.5 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	80 ng/μl		
rRNA Ratio [28s / 18s]:	0.0		
		Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.50

Fragment table for sample 9 : E2_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,680	2,308	3.5	5.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

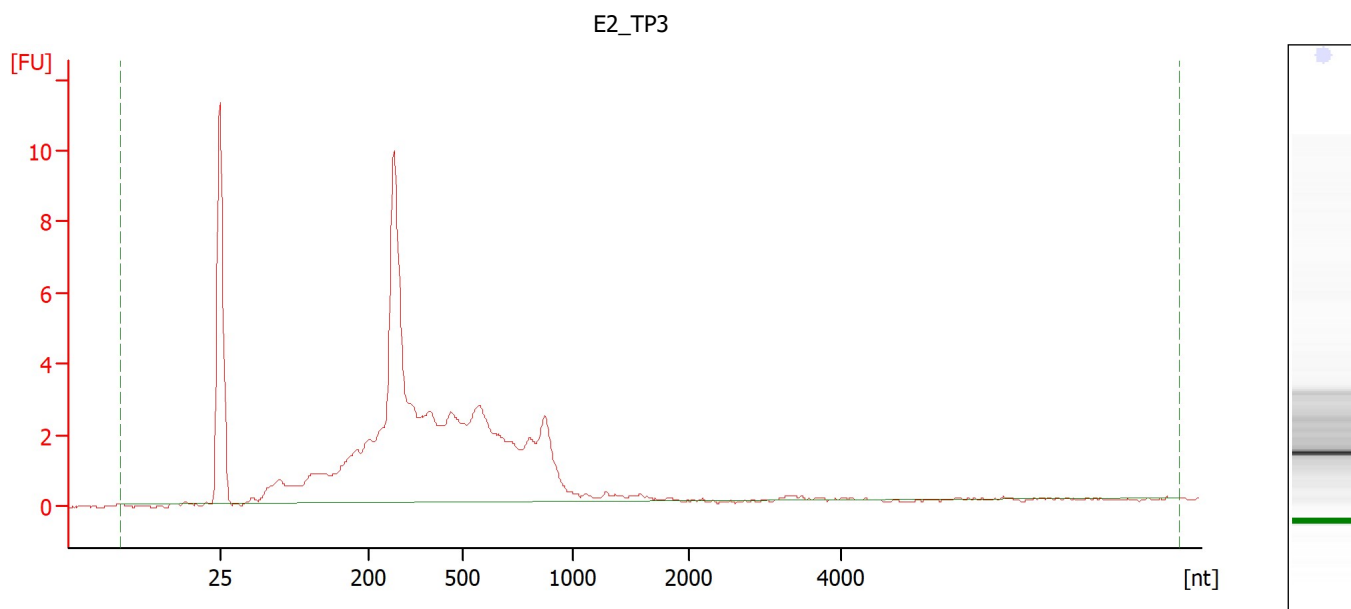
Electropherogram Summary Continued ...**Overall Results for sample 10 : E2_TP2**

RNA Area: 84.7
RNA Concentration: 99 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.6 (B.02.11,
Anomaly Threshold(s)
manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 1.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : E2_TP3**

RNA Area: 80.5

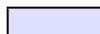
RNA Concentration: 94 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

1.9 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:

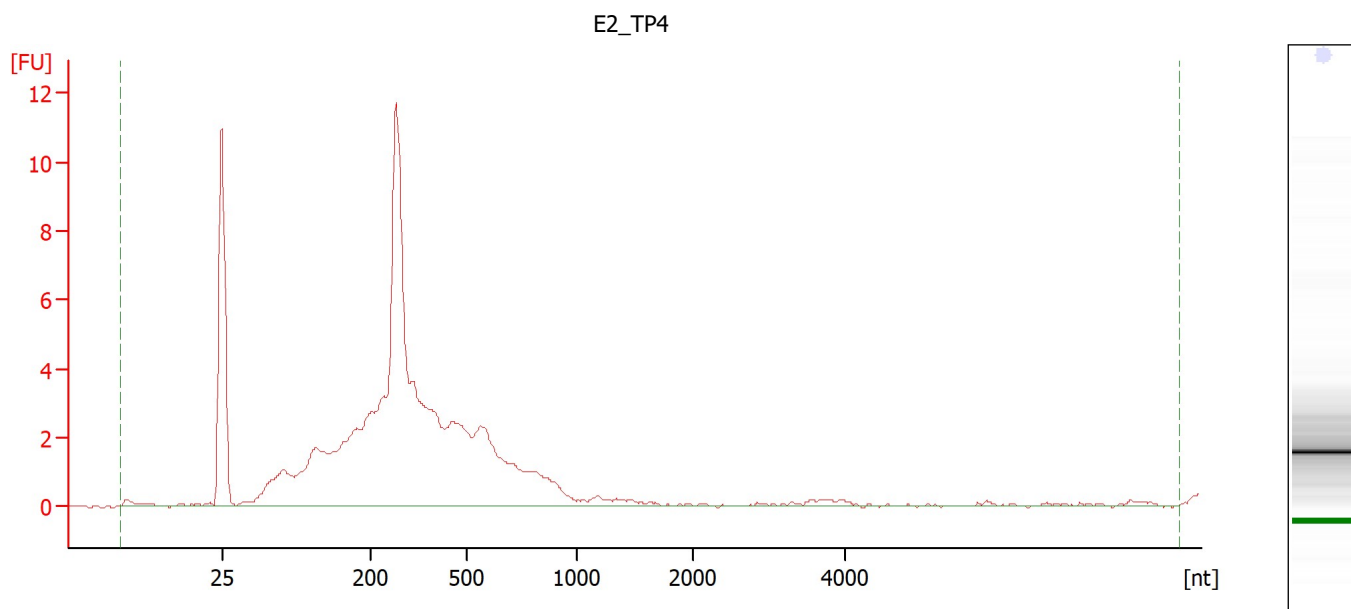


Result Flagging Label:

RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : E2_TP4**

RNA Area: 98.1

RNA Concentration: 114 ng/μl

rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN):

1.9 (B.02.11,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:



Result Flagging Label:

RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-30-10.xad

Created: 11/24/2020 1:30:10 PM
Modified: 11/24/2020 2:05:54 PM

Gel Image