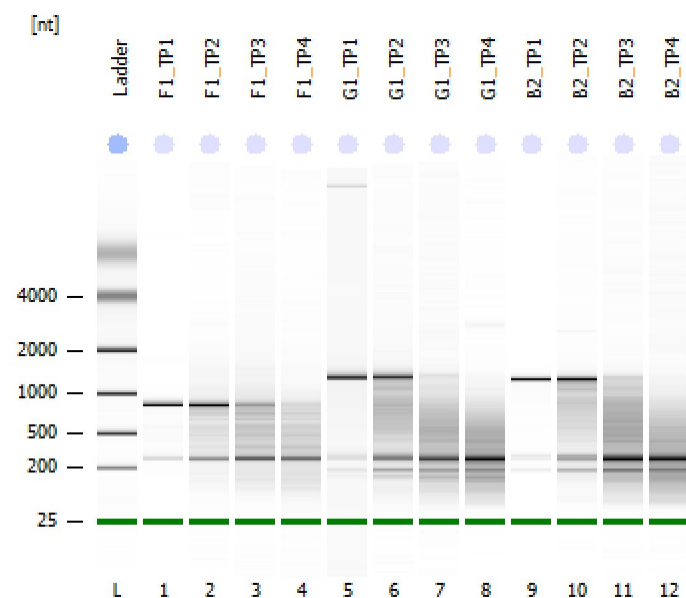


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 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)

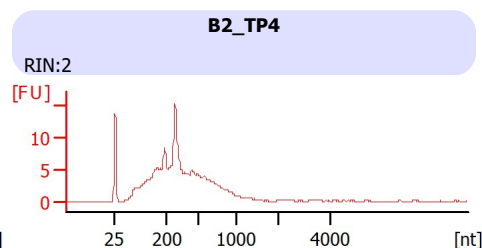
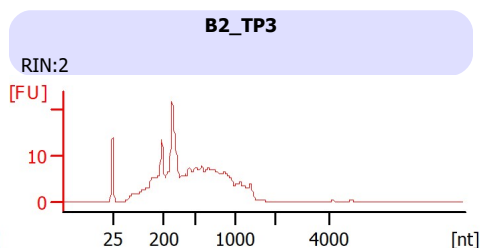
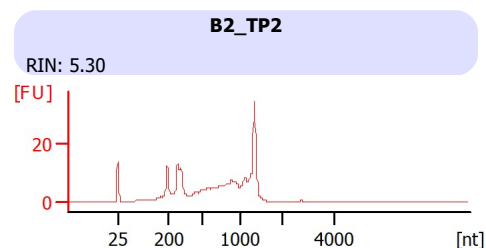
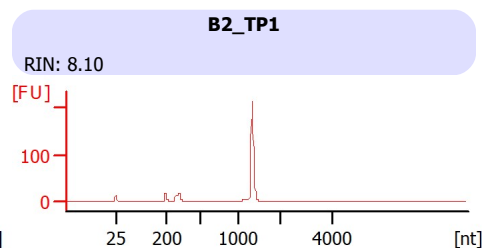
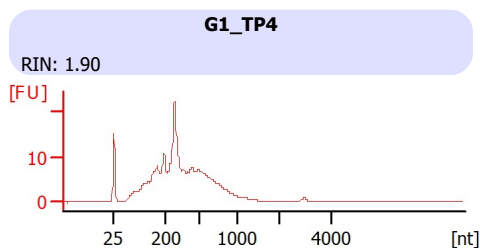
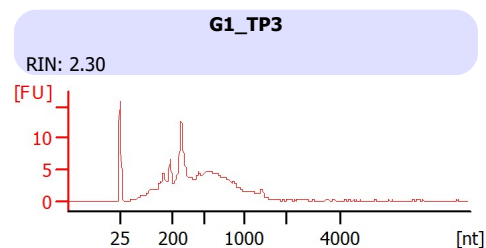
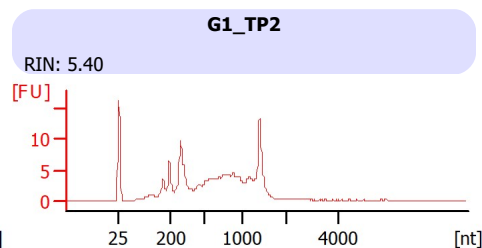
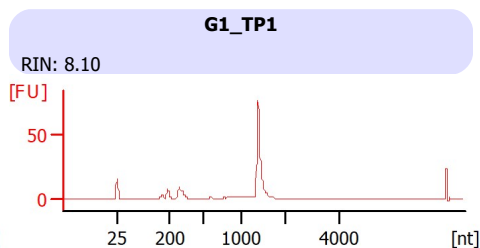
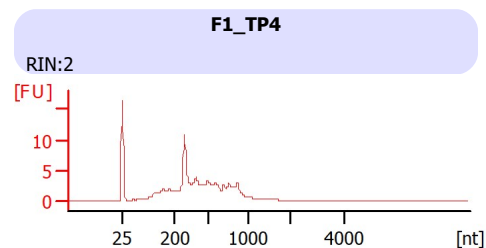
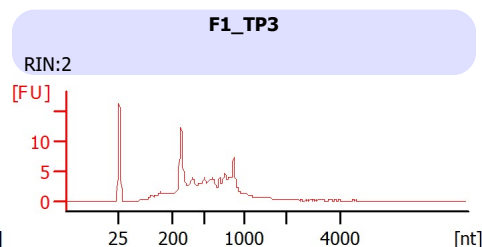
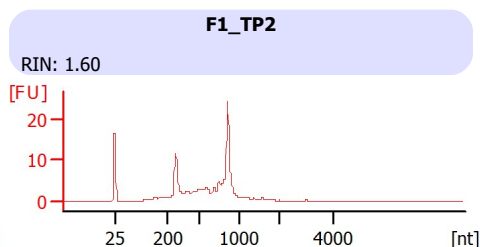
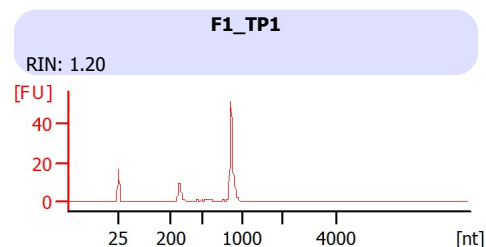
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
F1_TP1		✓ RIN: 1.20	
F1_TP2		✓ RIN: 1.60	
F1_TP3		✓ RIN:2	
F1_TP4		✓ RIN:2	
G1_TP1		✓ RIN: 8.10	
G1_TP2		✓ RIN: 5.40	
G1_TP3		✓ RIN: 2.30	
G1_TP4		✓ RIN: 1.90	
B2_TP1		✓ RIN: 8.10	
B2_TP2		✓ RIN: 5.30	
B2_TP3		✓ RIN:2	
B2_TP4		✓ RIN:2	
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_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 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

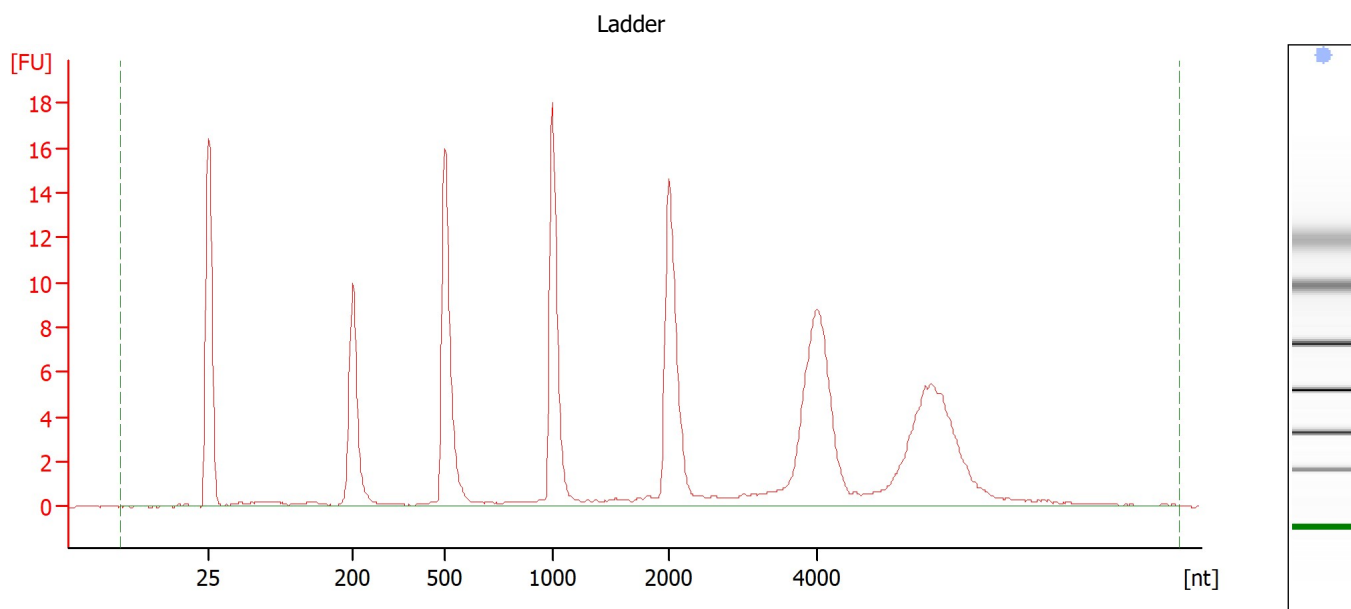
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 141.9

Result Flagging Color:



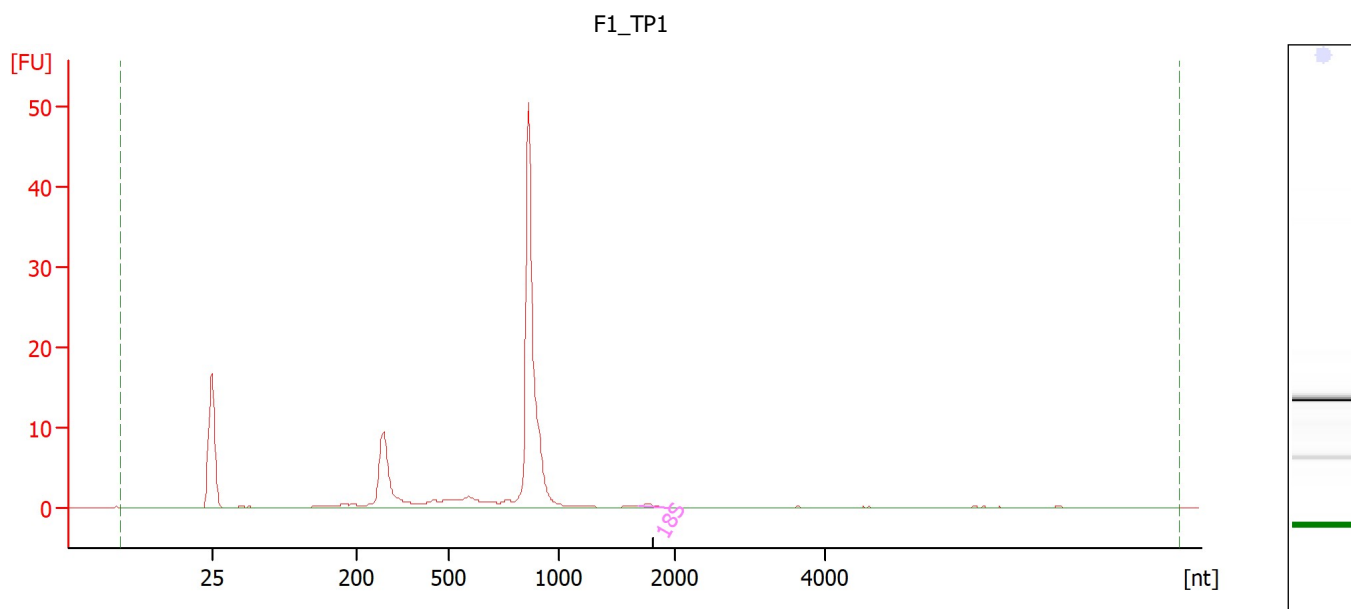
RNA Concentration: 150 ng/μl

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_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : F1_TP1**

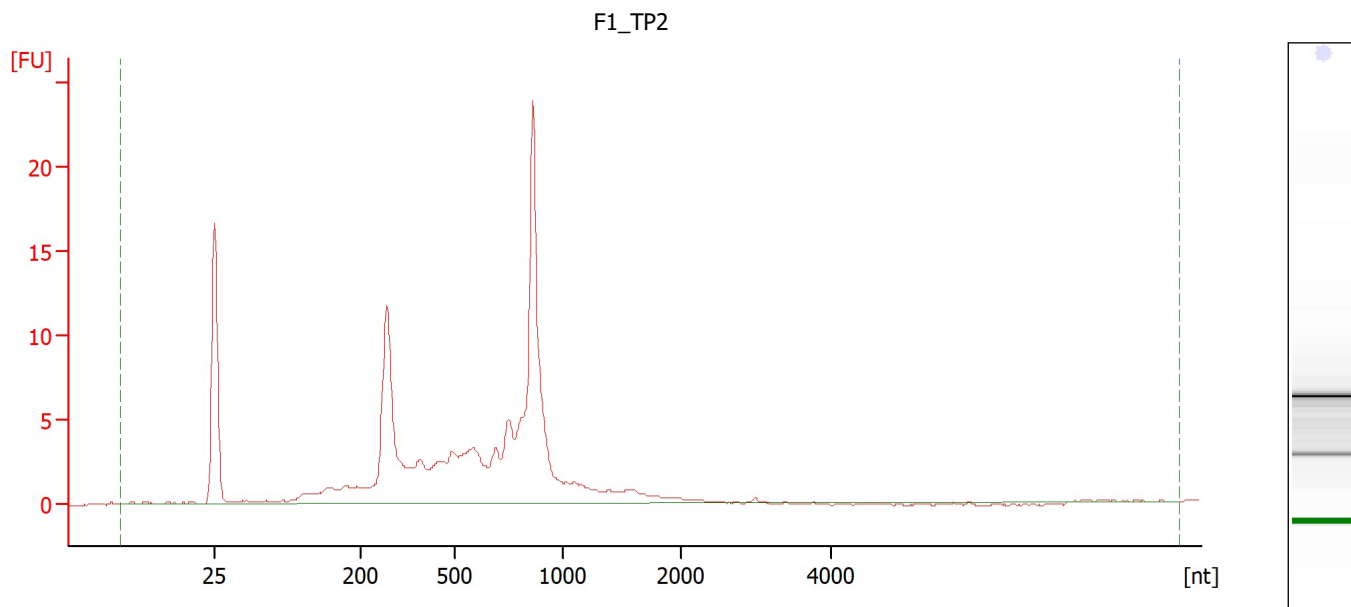
RNA Area:	89.4	RNA Integrity Number (RIN):	1.2 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	94 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.20

Fragment table for sample 1 : F1_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	1,938	0.5	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

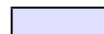
Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : F1_TP2**

RNA Area: 120.2
RNA Concentration: 127 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:

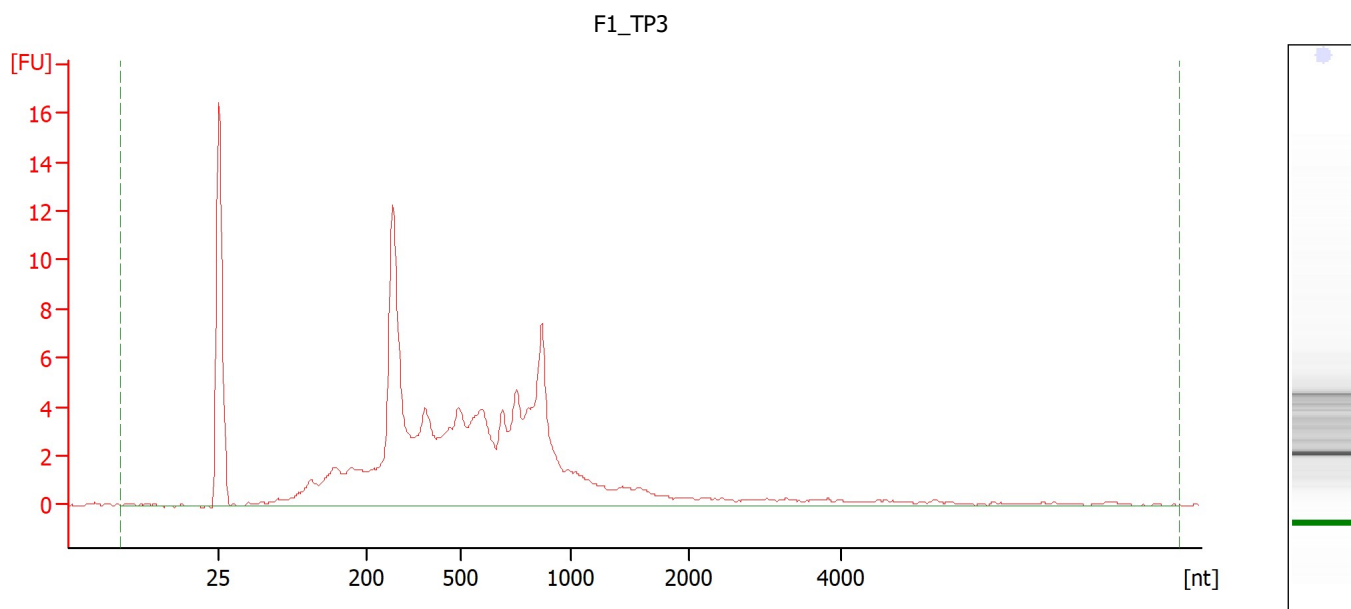


Result Flagging Label:

RIN: 1.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

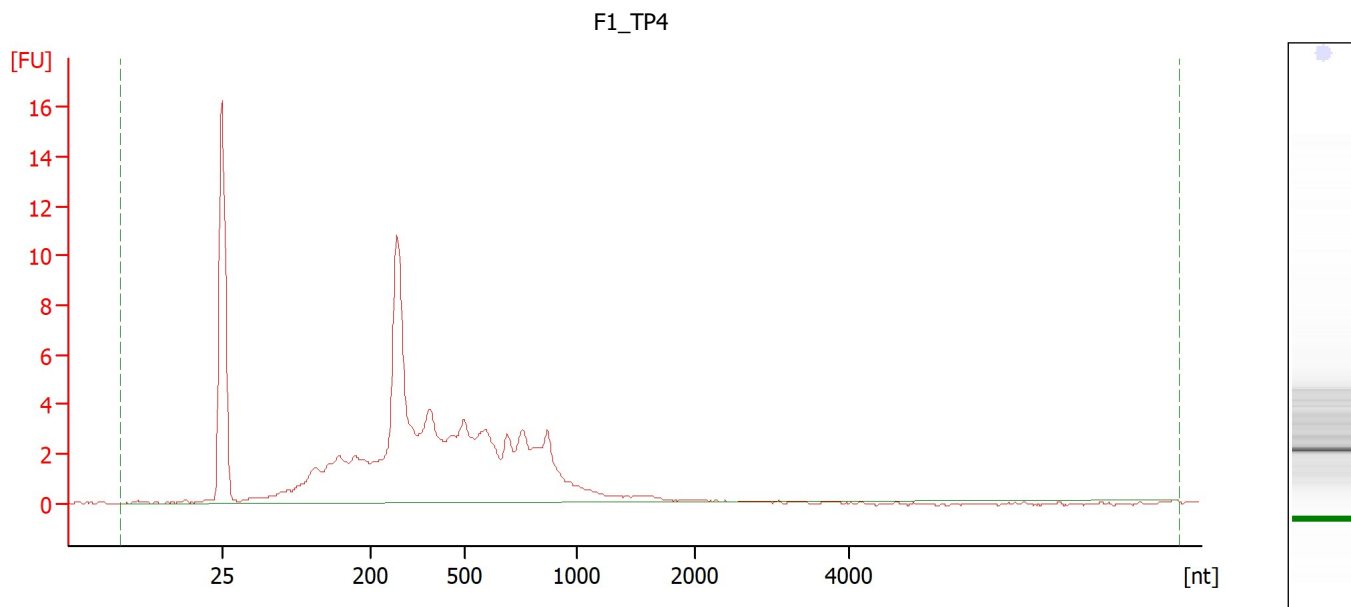
Electropherogram Summary Continued ...**Overall Results for sample 3 : F1_TP3**

RNA Area: 124.2
RNA Concentration: 131 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.11, Anomaly
Threshold(s) manually
adapted)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

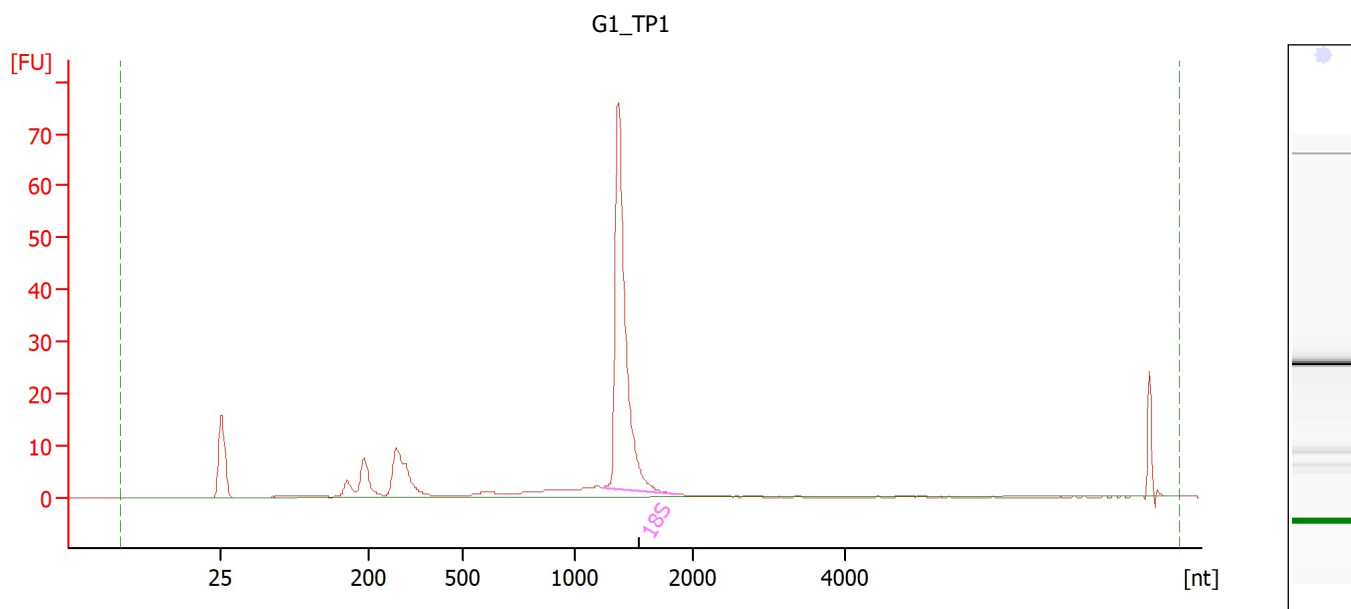
Electropherogram Summary Continued ...**Overall Results for sample 4 : F1_TP4**

RNA Area: 100.5
RNA Concentration: 106 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.11, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : G1_TP1**

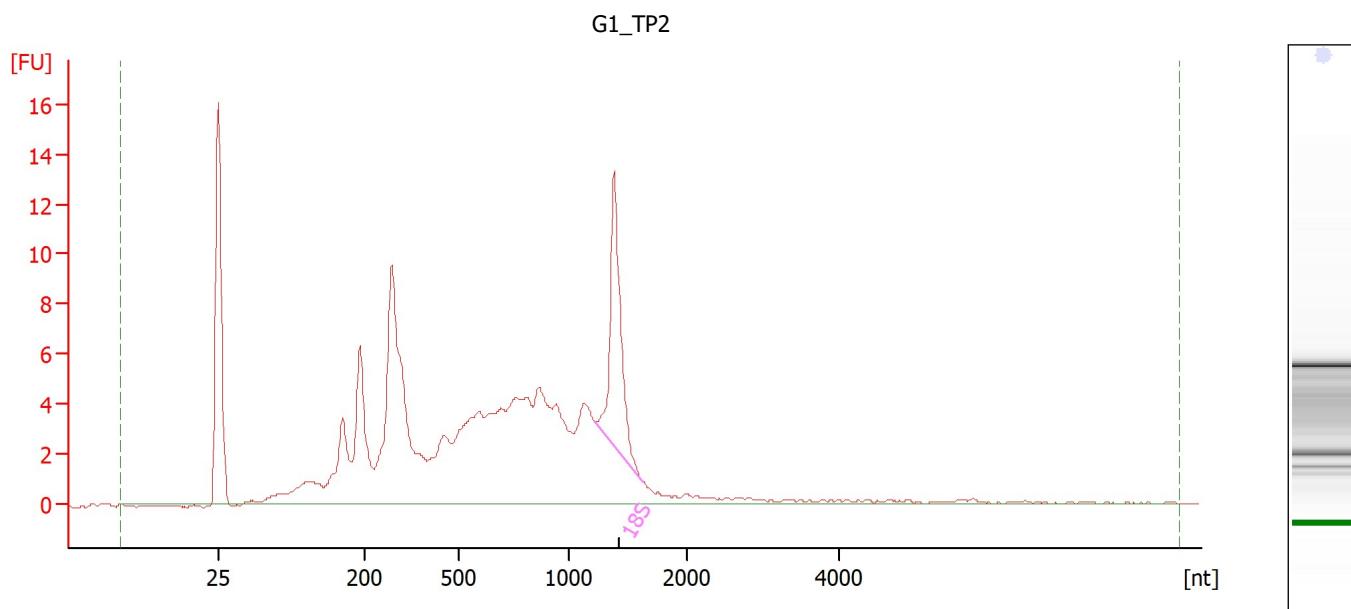
RNA Area:	172.8	RNA Integrity Number (RIN):	8.1 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	183 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.10

Fragment table for sample 5 : G1_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,239	1,848	92.3	53.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : G1_TP2**

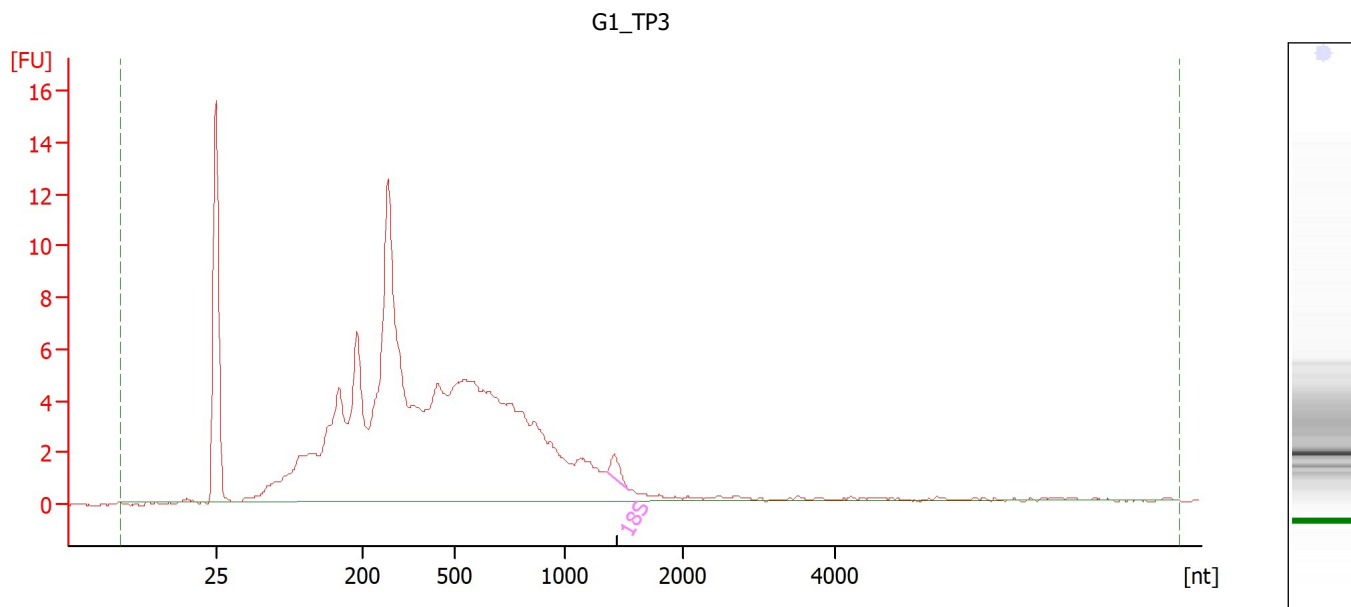
RNA Area:	159.5	RNA Integrity Number (RIN):	5.4 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	169 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 5.40

Fragment table for sample 6 : G1_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,214	1,628	14.5	9.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : G1_TP3**

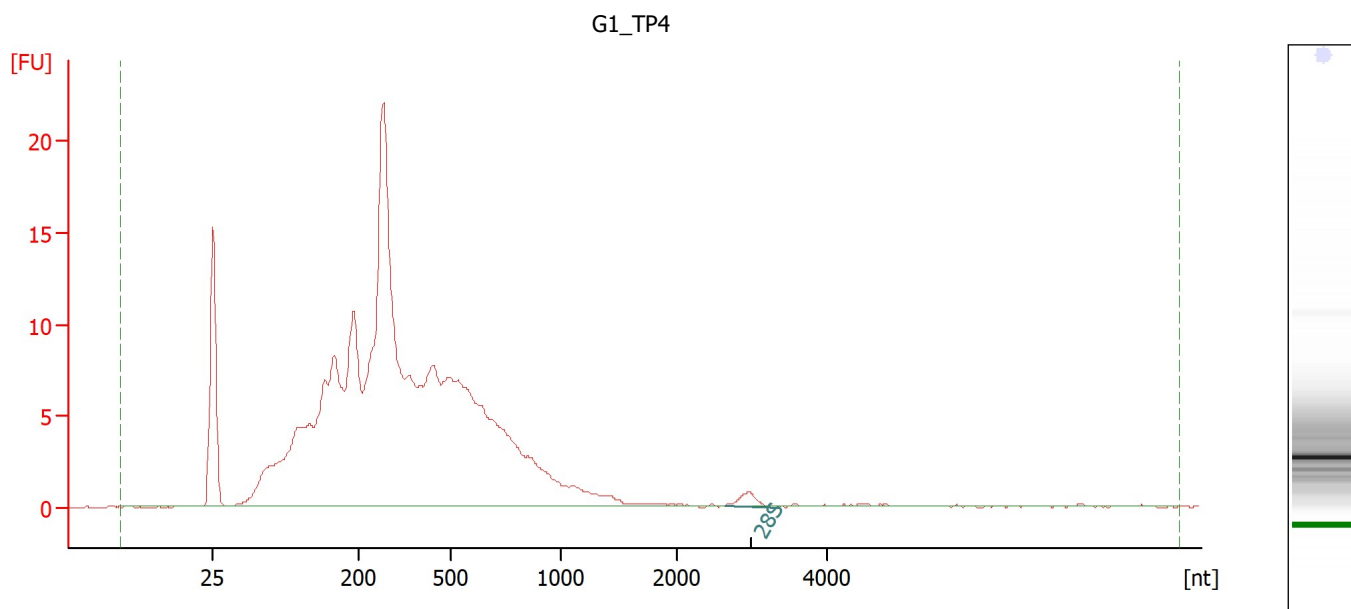
RNA Area:	164.7	RNA Integrity Number (RIN):	2.3 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	174 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 2.30

Fragment table for sample 7 : G1_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,345	1,535	1.0	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : G1_TP4**

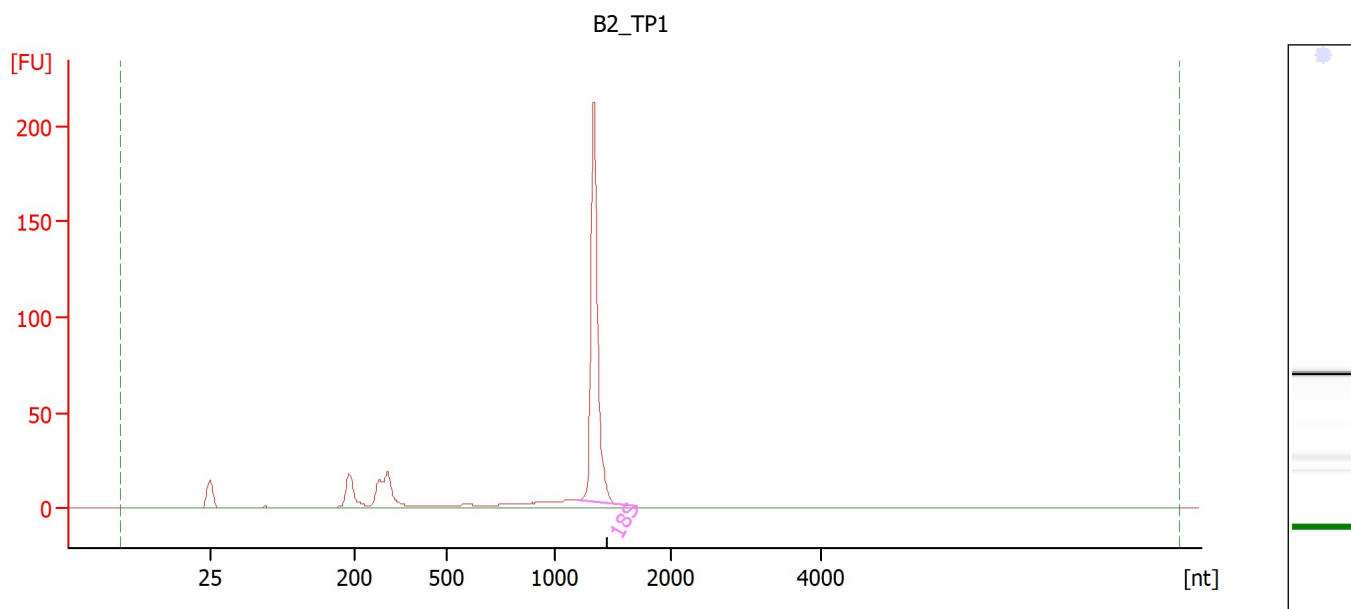
RNA Area:	267.2	RNA Integrity Number (RIN):	1.9 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	282 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 1.90

Fragment table for sample 8 : G1_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,632	3,346	1.5	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : B2_TP1**

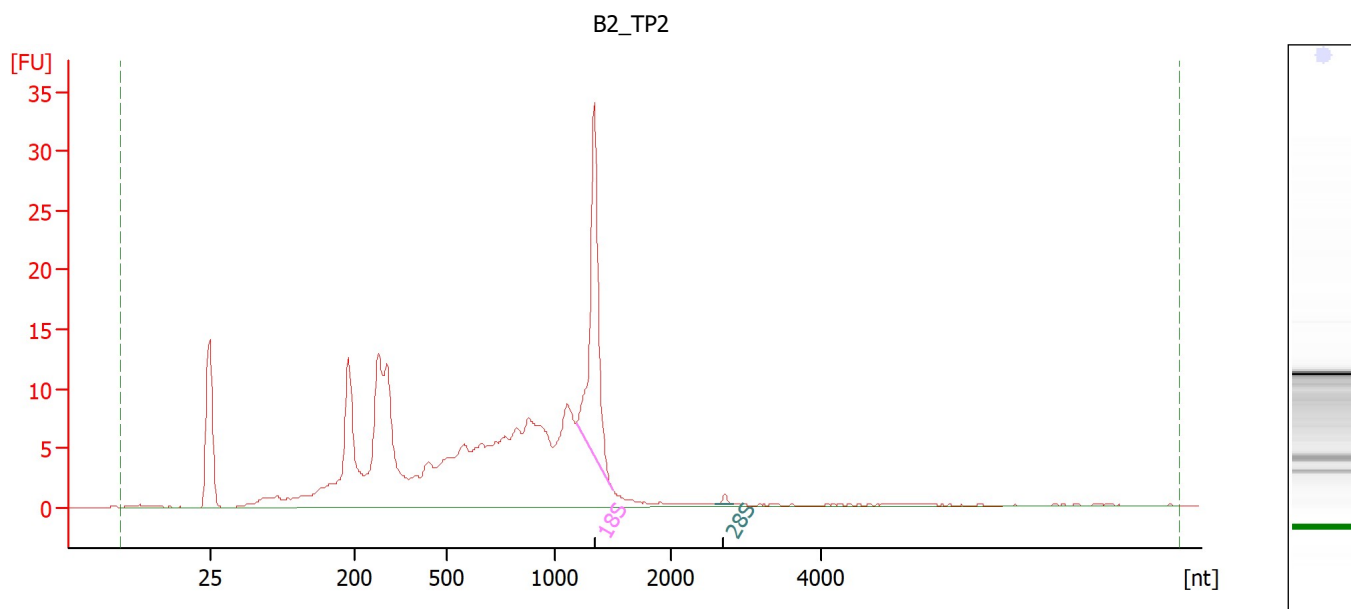
RNA Area:	333.2	RNA Integrity Number (RIN):	8.1 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	352 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.10

Fragment table for sample 9 : B2_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,186	1,698	193.8	58.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : B2_TP2**

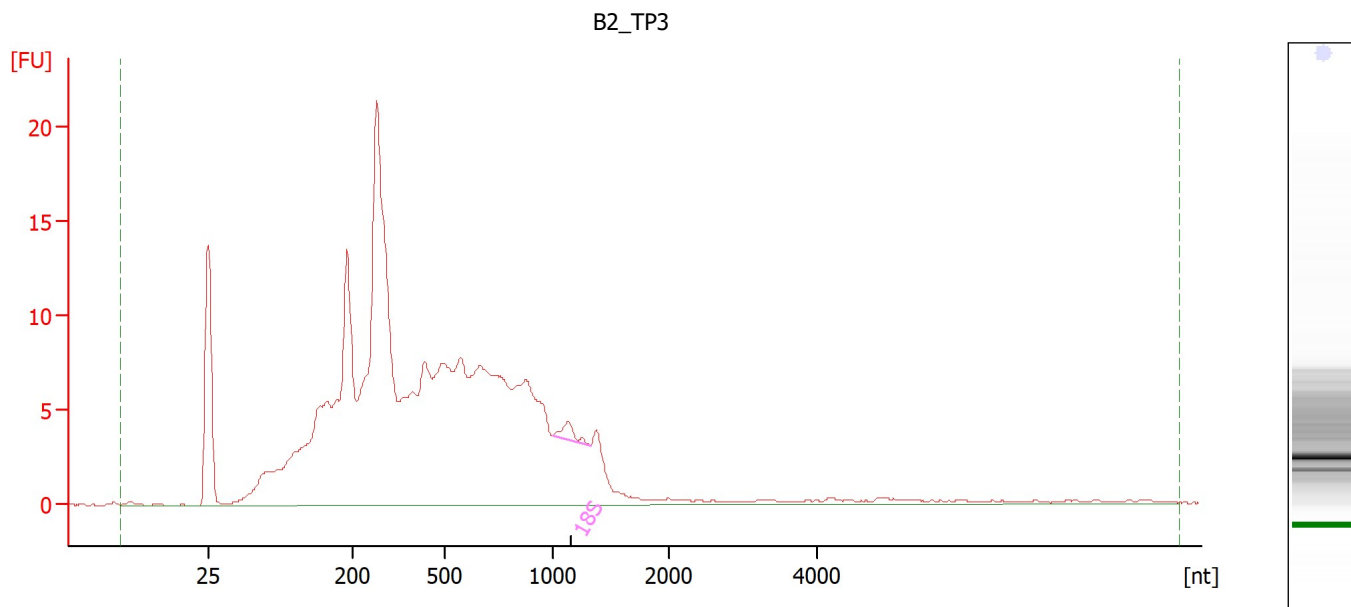
RNA Area:	247.4	RNA Integrity Number (RIN):	5.3 (B.02.11, Anomaly Threshold(s) manually adapted)
RNA Concentration:	262 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 5.30

Fragment table for sample 10 : B2_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,186	1,497	32.7	13.2
28S	2,575	2,834	0.5	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : B2_TP3**

RNA Area: 296.8

RNA Integrity Number (RIN):

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

RNA Concentration: 314 ng/μl

rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:



Result Flagging Label:

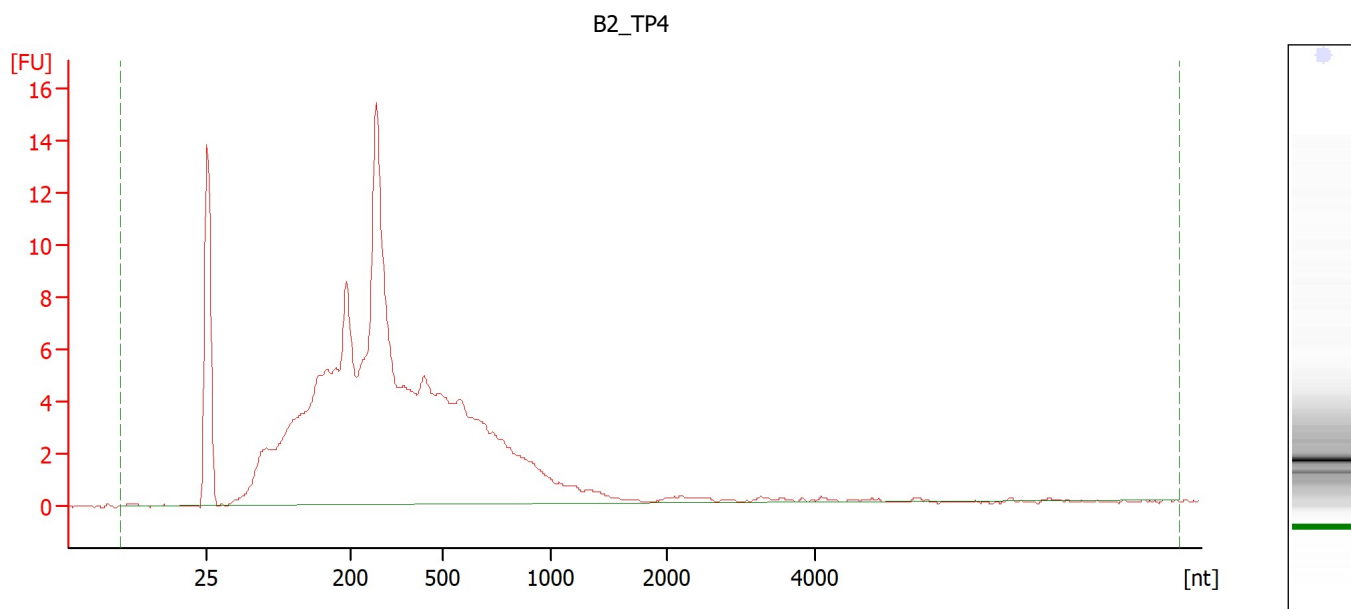
RIN:2

Fragment table for sample 11 : B2_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,000	1,321	1.6	0.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : B2_TP4**

RNA Area: 188.4
RNA Concentration: 199 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.11, Anomaly
Threshold(s) manually
adapted)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-11-24\Eukaryote Total RNA Nano_2020-11-24_13-12-23.xad

Created: 11/24/2020 1:12:23 PM
Modified: 11/24/2020 1:39:24 PM

Gel Image