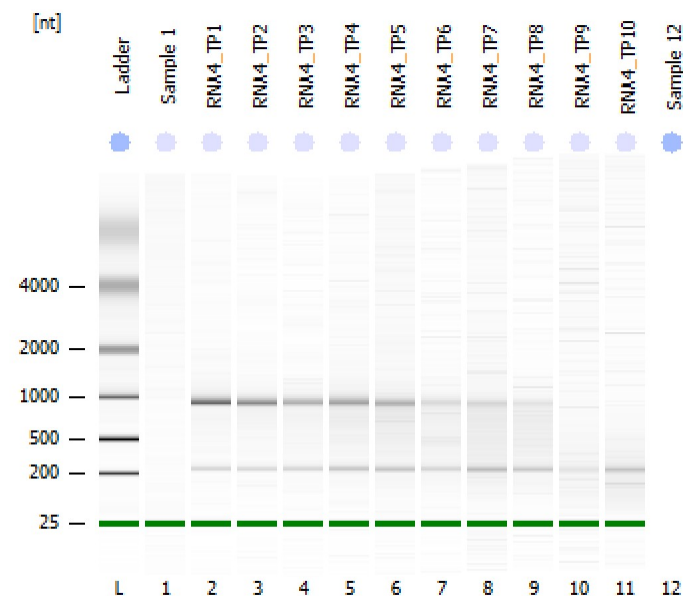


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 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)

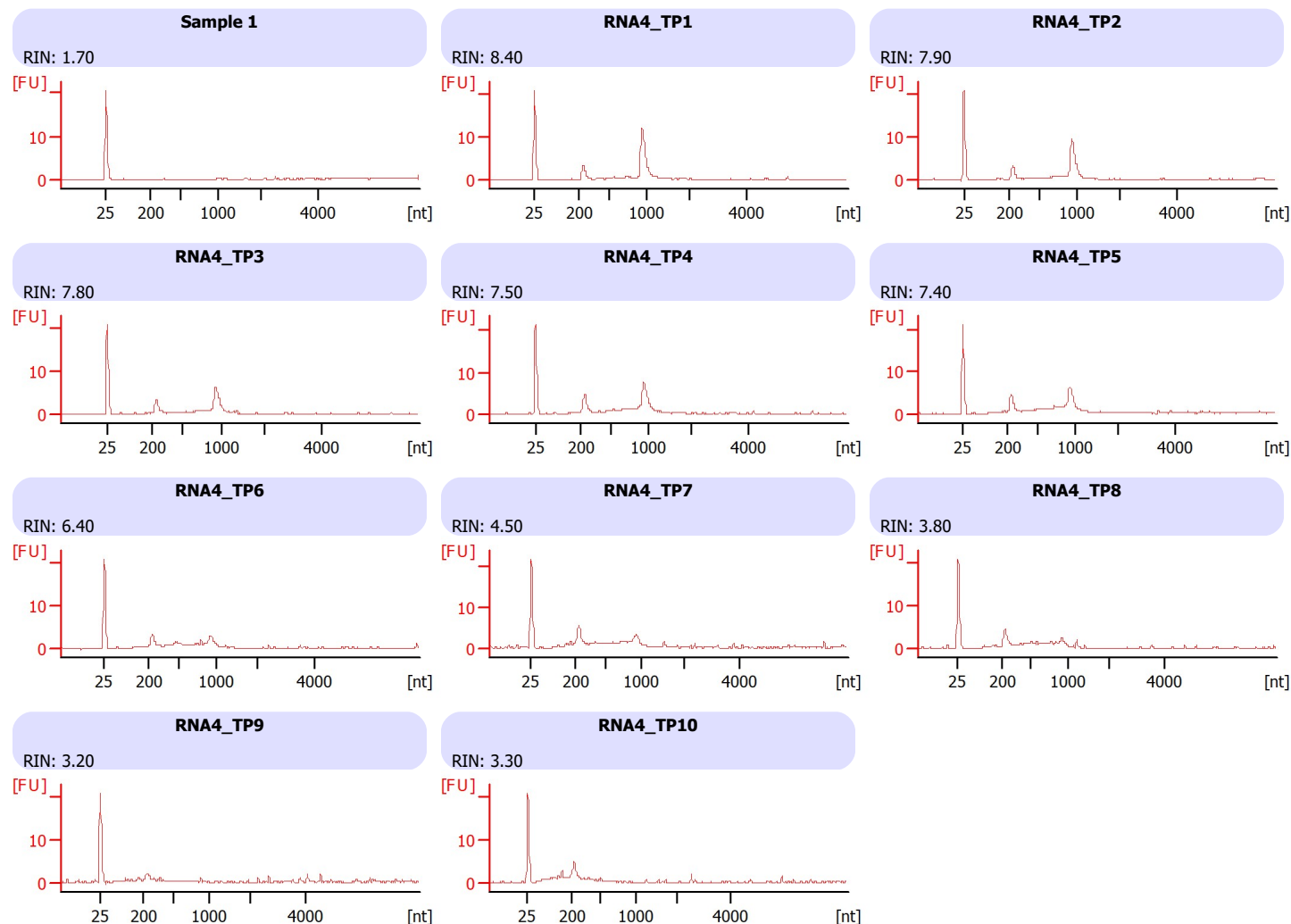
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Stat	Result Label	Result Color
Sample 1		✓	RIN: 1.70	
RNA4_TP1		✓	RIN: 8.40	
RNA4_TP2		✓	RIN: 7.90	
RNA4_TP3		✓	RIN: 7.80	
RNA4_TP4		✓	RIN: 7.50	
RNA4_TP5		✓	RIN: 7.40	
RNA4_TP6		✓	RIN: 6.40	
RNA4_TP7		✓	RIN: 4.50	
RNA4_TP8		✓	RIN: 3.80	
RNA4_TP9		✓	RIN: 3.20	
RNA4_TP10		✓	RIN: 3.30	
Sample 12				
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ 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

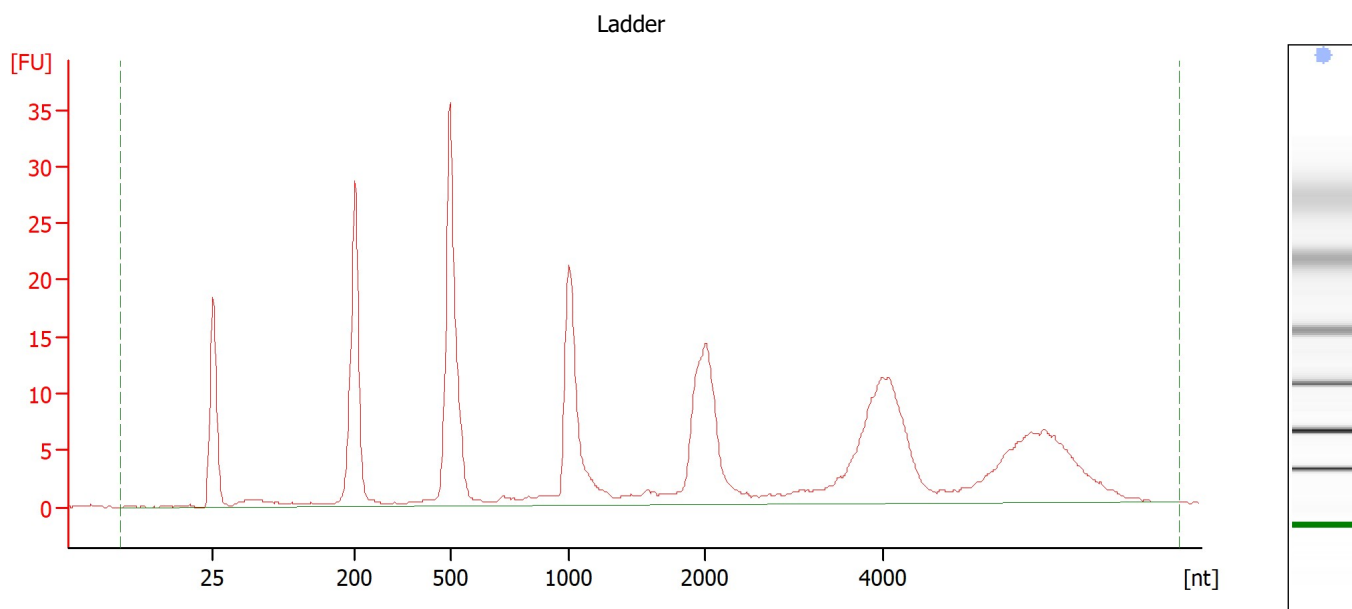
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 295.5

Result Flagging Color:



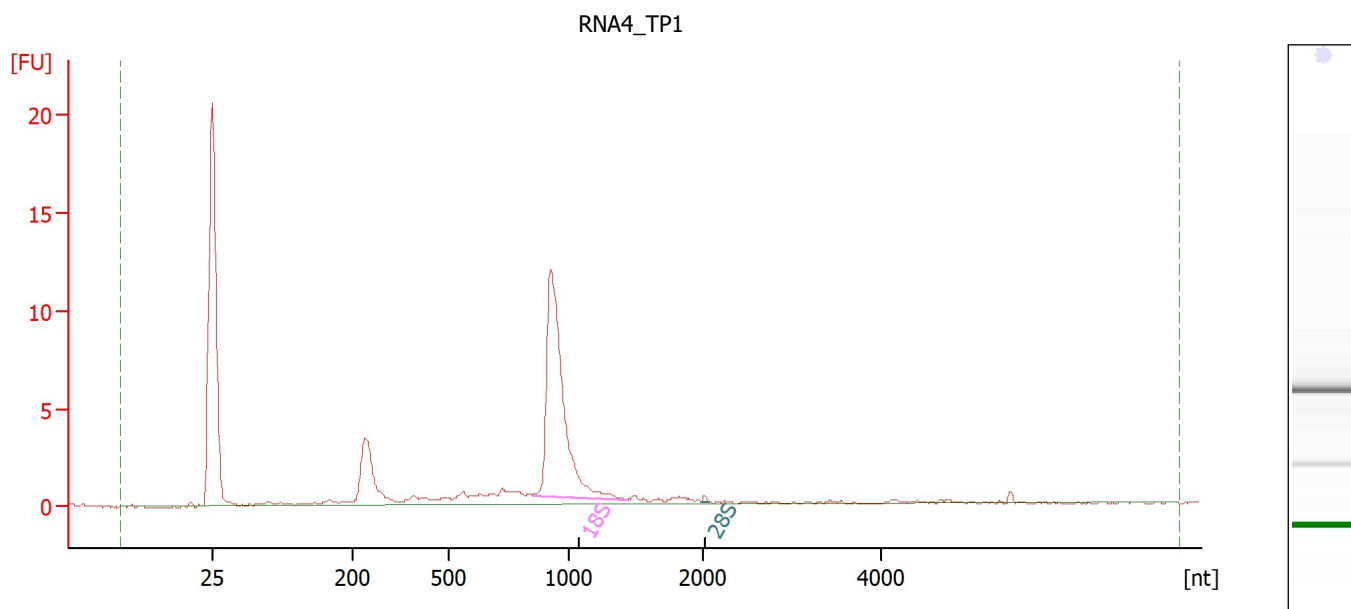
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : RNA4\_TP1**

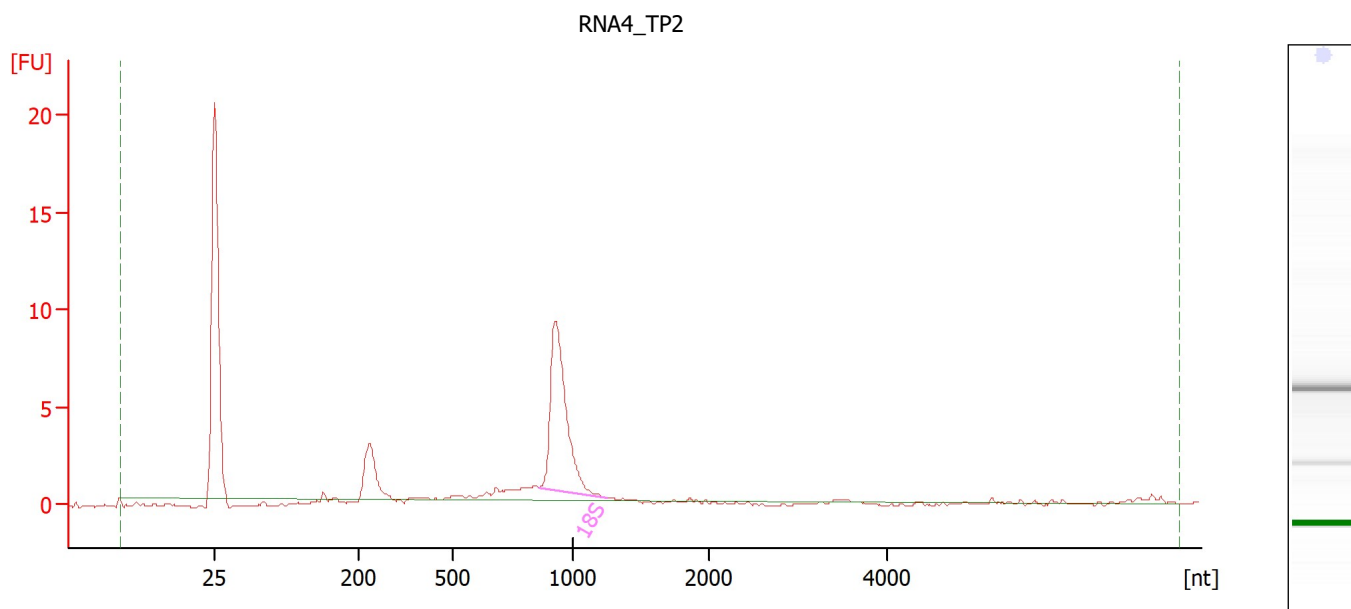
RNA Area:	53.7	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	27 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 8.40

**Fragment table for sample 2 : RNA4\_TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	851	1,439	25.7	47.8
28S	1,983	2,072	0.1	0.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : RNA4\_TP2**

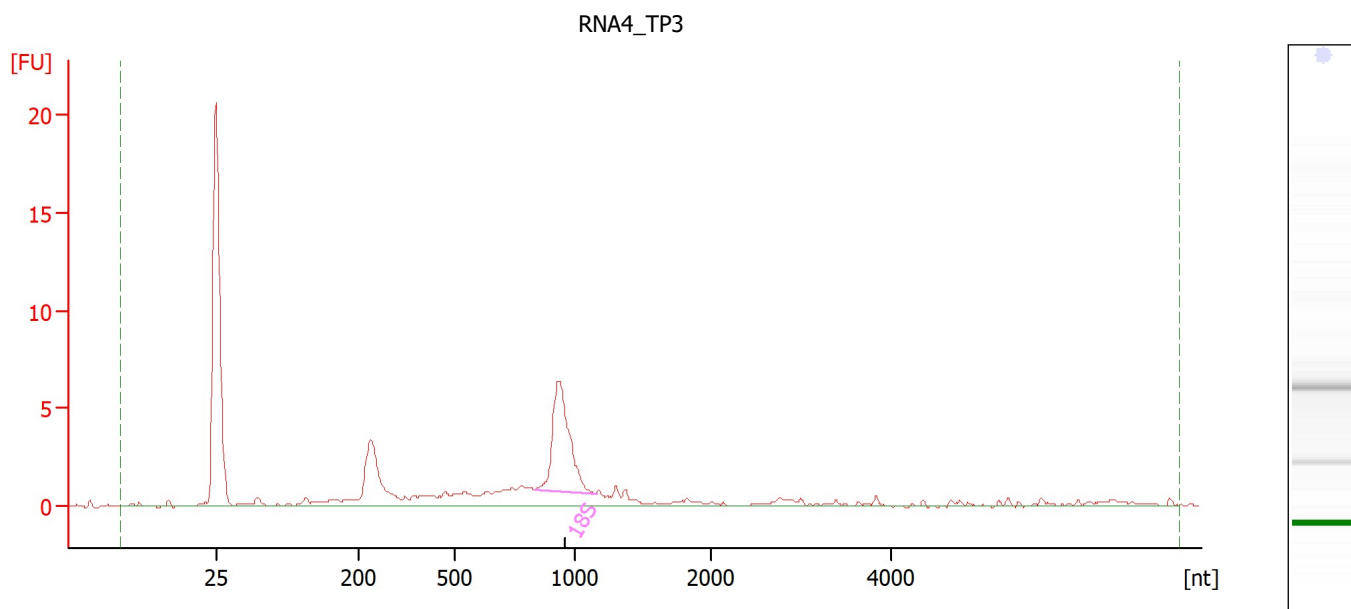
RNA Area:	34.9	RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	18 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.90

**Fragment table for sample 3 : RNA4\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	855	1,239	18.4	52.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : RNA4\_TP3**

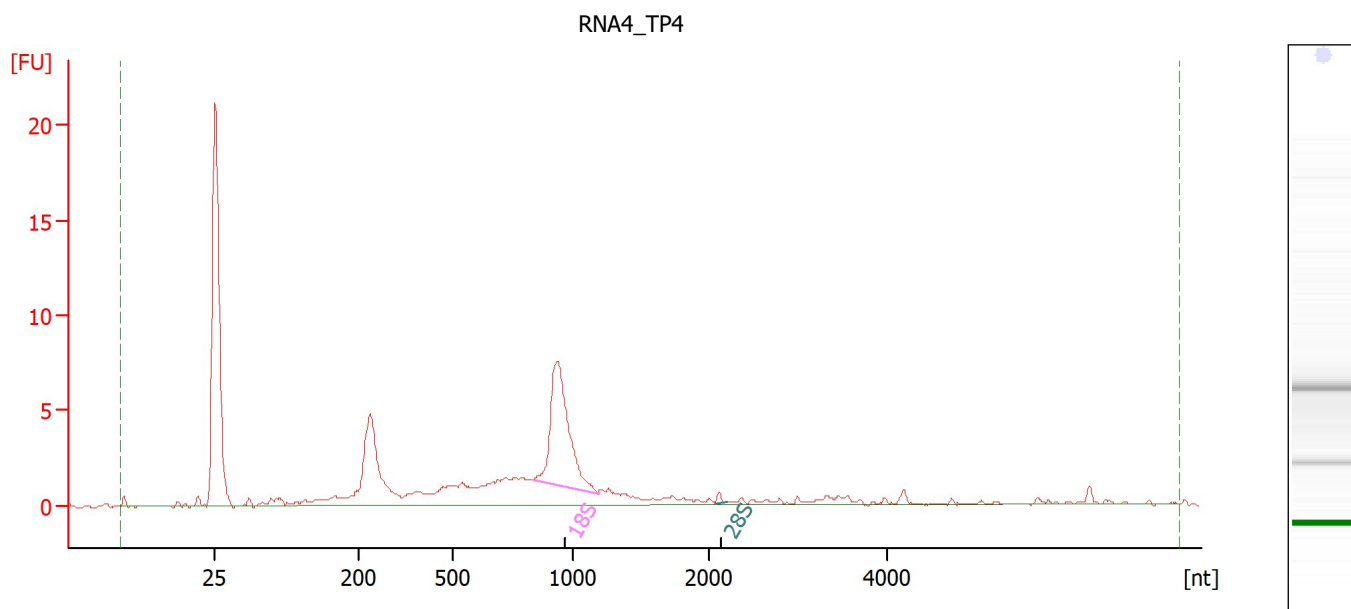
RNA Area:	50.1	RNA Integrity Number (RIN):	7.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	25 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.80

**Fragment table for sample 4 : RNA4\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	830	1,155	12.9	25.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : RNA4\_TP4**

RNA Area:	68.2	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	35 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

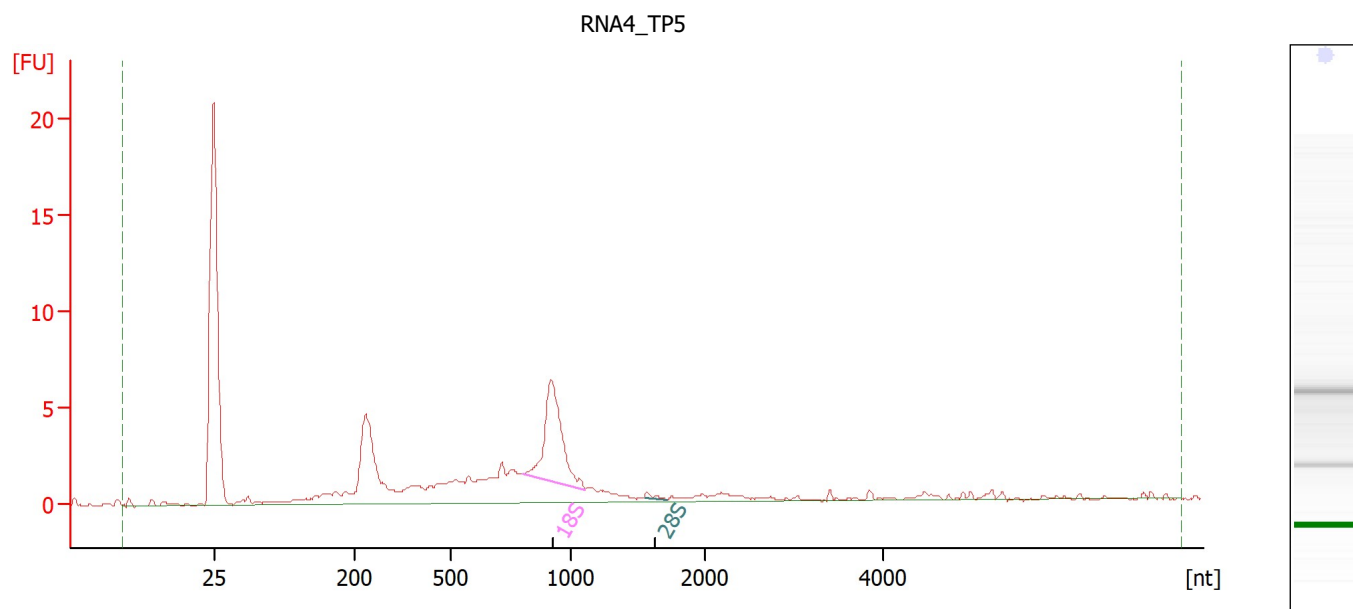
**Fragment table for sample 5 : RNA4\_TP4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	829	1,185	16.0	23.5
28S	2,060	2,204	0.3	0.4



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : RNA4\_TP5**

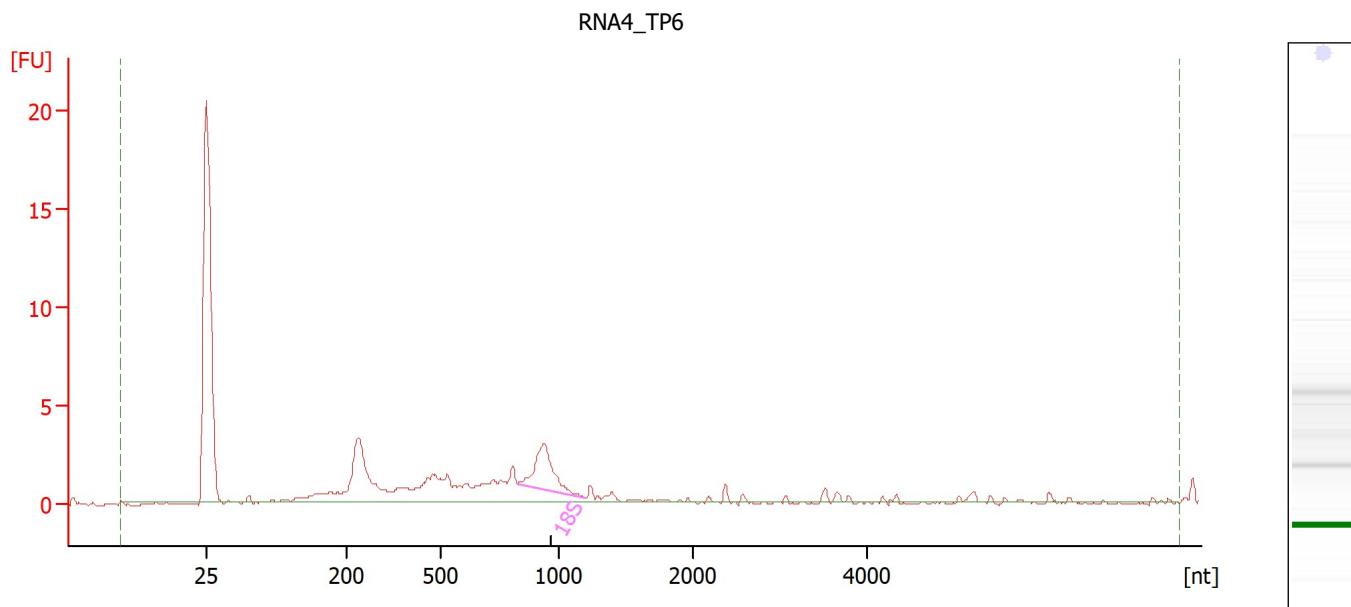
RNA Area:	69.7	RNA Integrity Number (RIN):	7.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	35 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 50px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 7.40

**Fragment table for sample 6 : RNA4\_TP5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	801	1,116	12.4	17.8
28S	1,549	1,715	0.3	0.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : RNA4\_TP6**

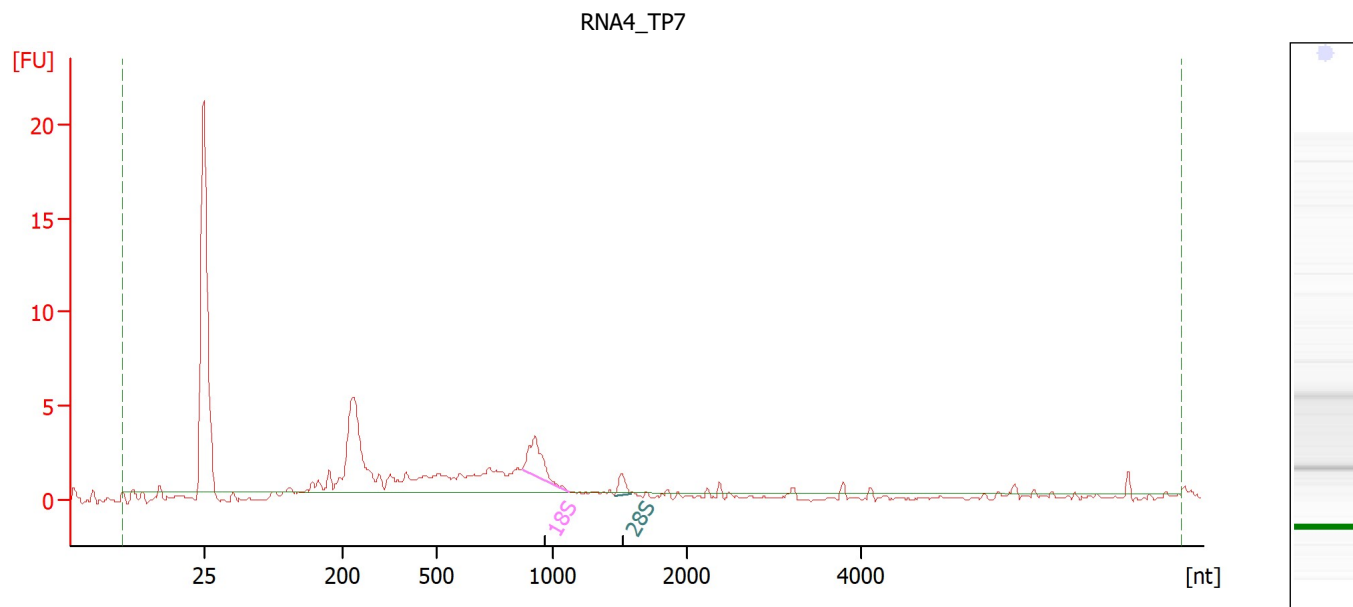
RNA Area:	43.4	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	22 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

**Fragment table for sample 7 : RNA4\_TP6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	824	1,201	5.8	13.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : RNA4\_TP7**

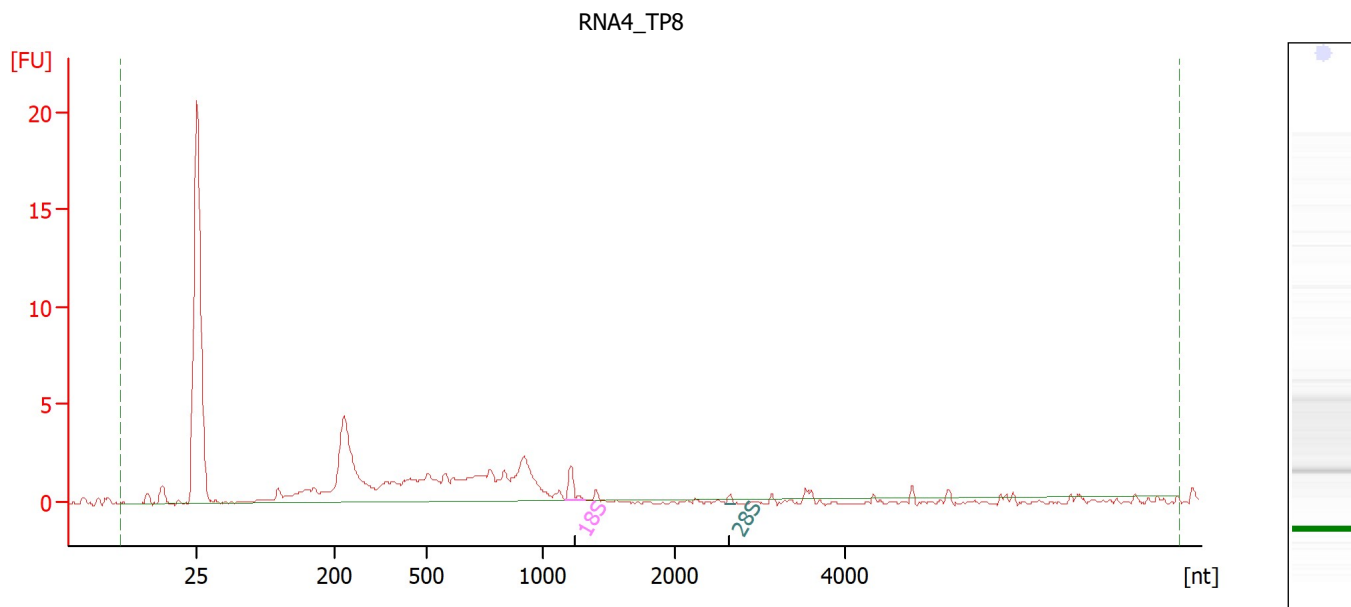
RNA Area:	45.6	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	23 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 4.50

**Fragment table for sample 8 : RNA4\_TP7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	867	1,112	3.9	8.6
28S	1,458	1,579	1.0	2.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : RNA4\_TP8**

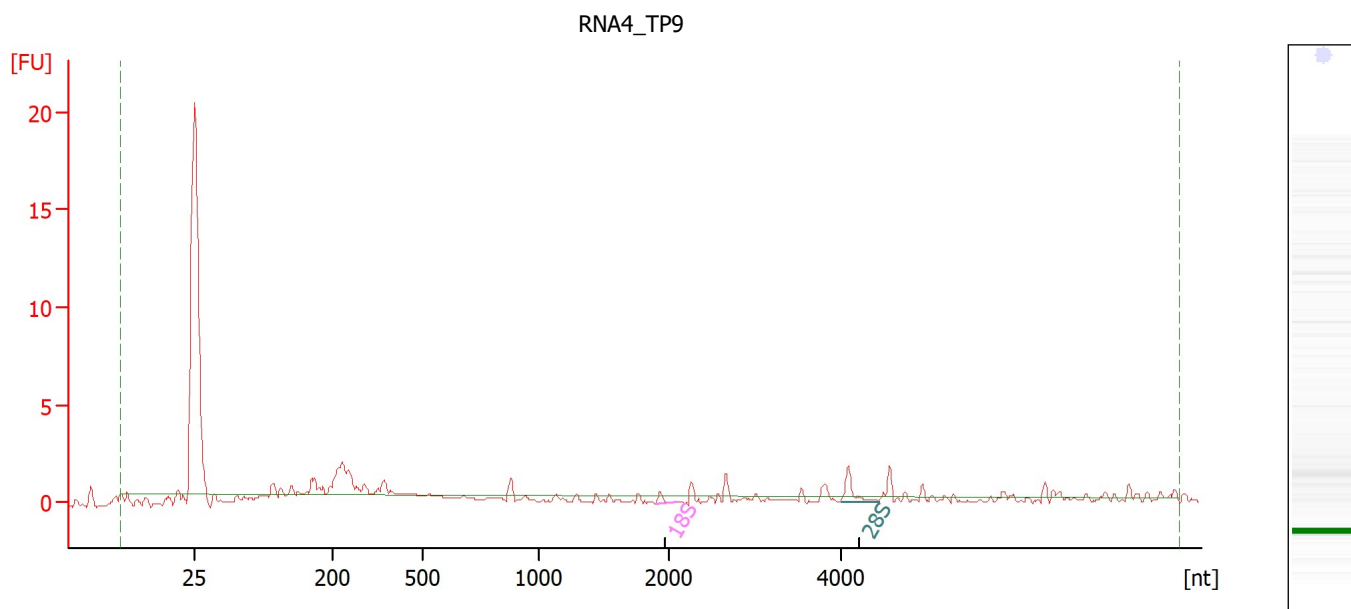
RNA Area:	50.4	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	26 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 3.80

**Fragment table for sample 9 : RNA4\_TP8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,175	1,321	1.2	2.3
28S	2,603	2,703	0.2	0.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : RNA4\_TP9**

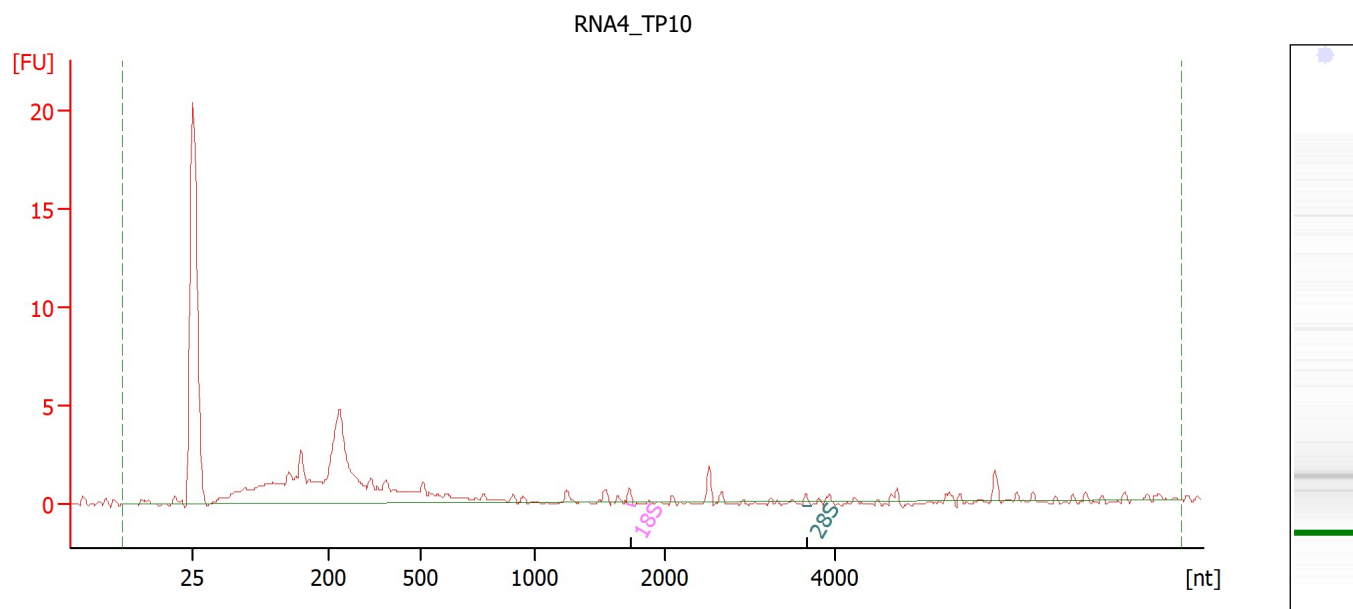
RNA Area:	12.8	RNA Integrity Number (RIN):	3.2 (B.02.10)
RNA Concentration:	6 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	3.6	Result Flagging Label:	RIN: 3.20

**Fragment table for sample 10 : RNA4\_TP9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,889	2,080	0.4	3.0
28S	3,992	4,442	1.4	10.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : RNA4\_TP10**

RNA Area:	48.2	RNA Integrity Number (RIN):	3.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	24 ng/μl		
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 3.30

**Fragment table for sample 11 : RNA4\_TP10**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	1,764	0.4	0.9
28S	3,614	3,715	0.3	0.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_17-13-16.xad

Created: 10/12/2020 5:13:15 PM  
Modified: 10/12/2020 5:39:33 PM

**Gel Image**