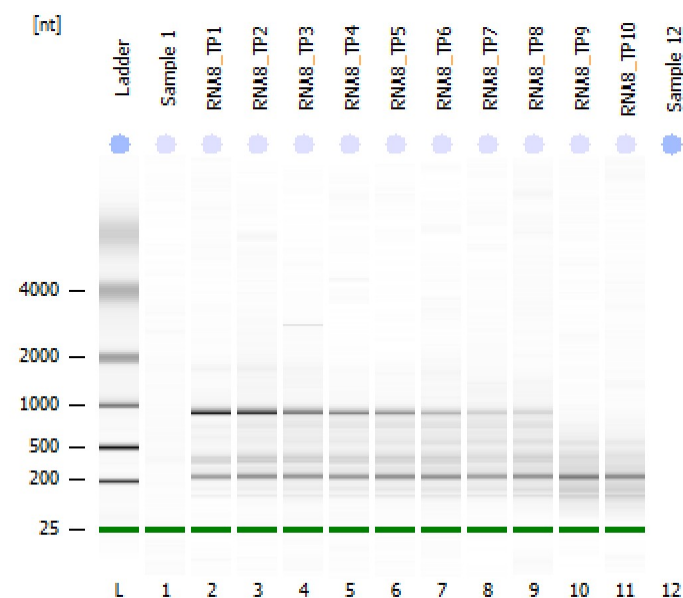


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

### Electrophoresis File Run Summary



#### Instrument 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)

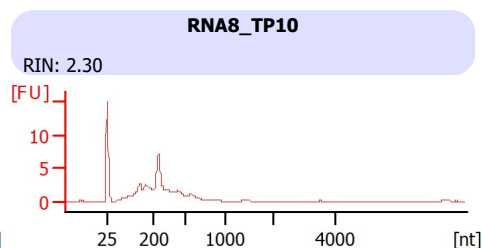
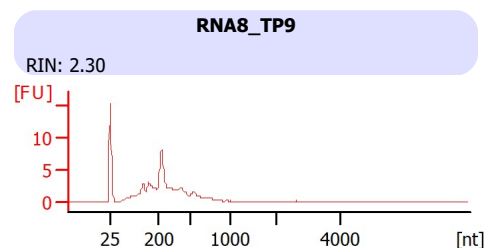
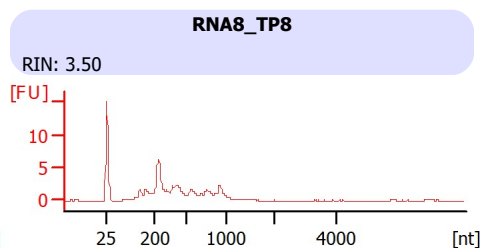
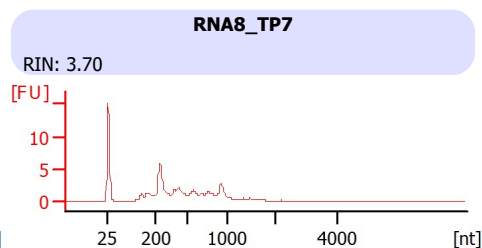
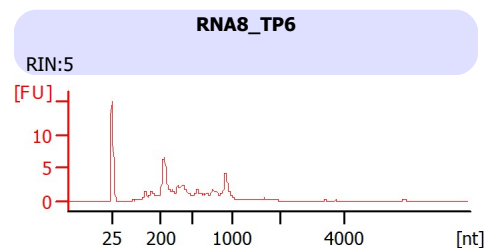
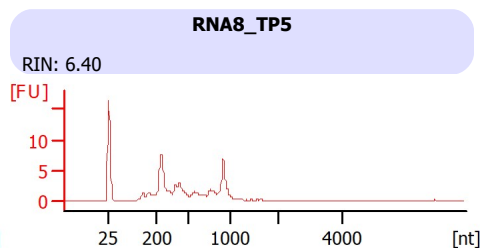
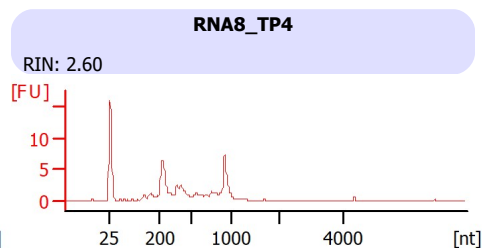
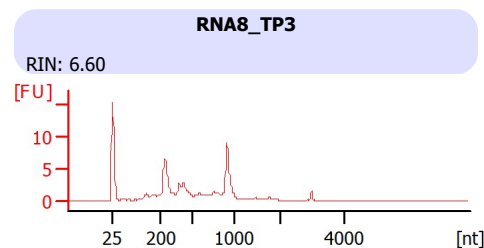
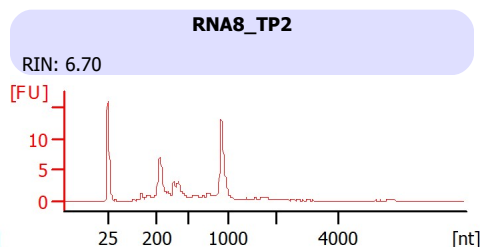
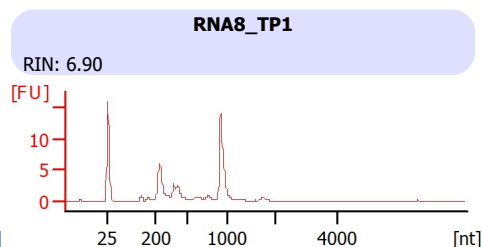
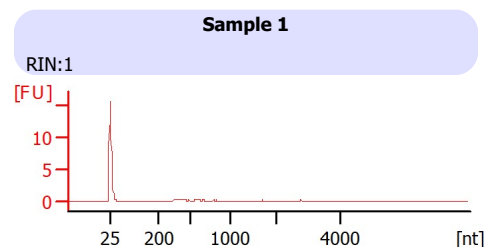
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#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

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

Sample Name	Sample Comment	Stat	Result Label	Result Color
Sample 1		✓	RIN:1	
RNA8_TP1		✓	RIN: 6.90	
RNA8_TP2		✓	RIN: 6.70	
RNA8_TP3		✓	RIN: 6.60	
RNA8_TP4		✓	RIN: 2.60	
RNA8_TP5		✓	RIN: 6.40	
RNA8_TP6		✓	RIN:5	
RNA8_TP7		✓	RIN: 3.70	
RNA8_TP8		✓	RIN: 3.50	
RNA8_TP9		✓	RIN: 2.30	
RNA8_TP10		✓	RIN: 2.30	
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\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 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

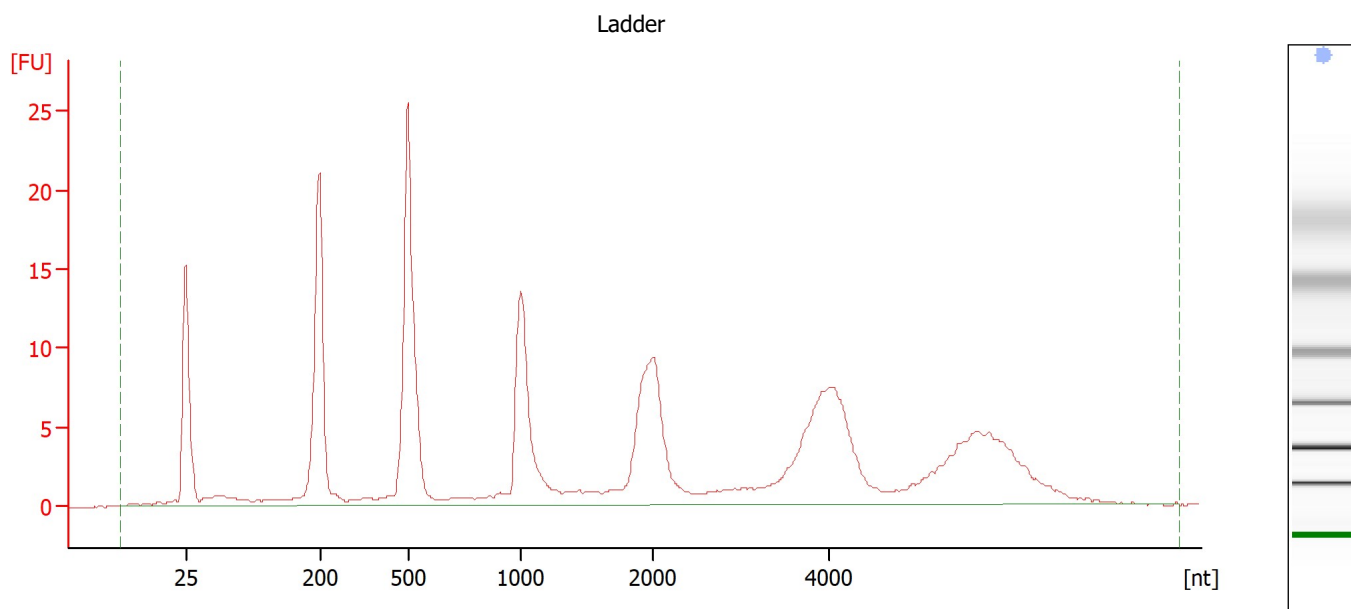
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 239.8

Result Flagging Color:



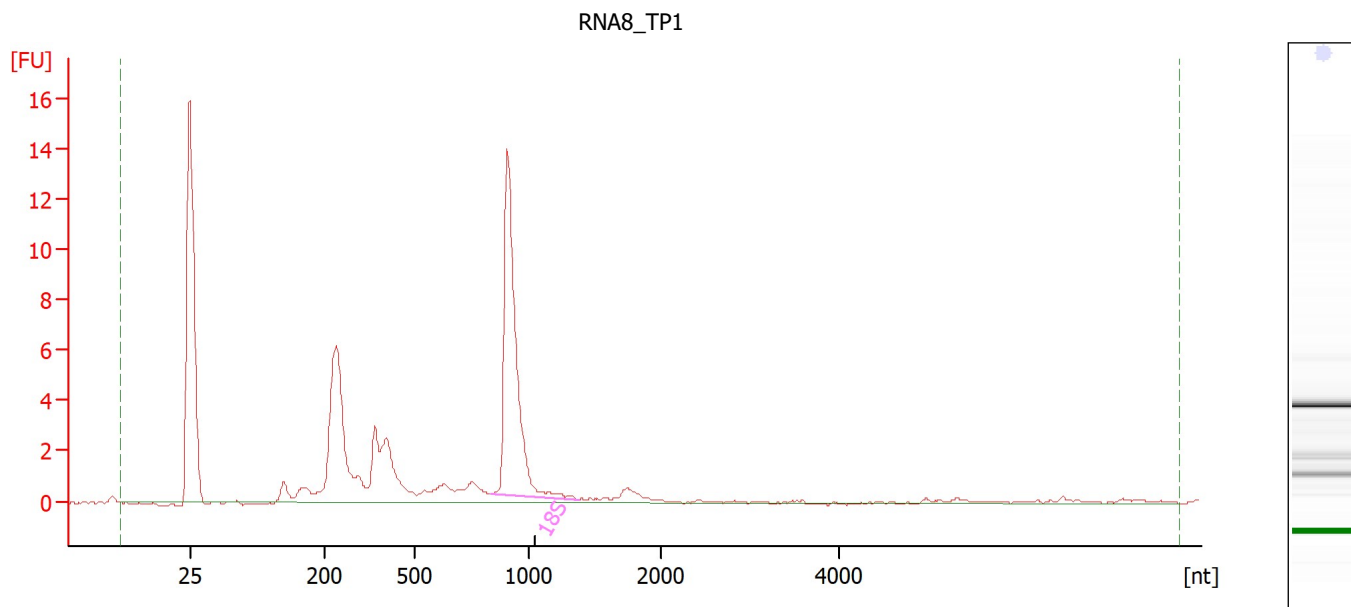
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : RNA8\_TP1**

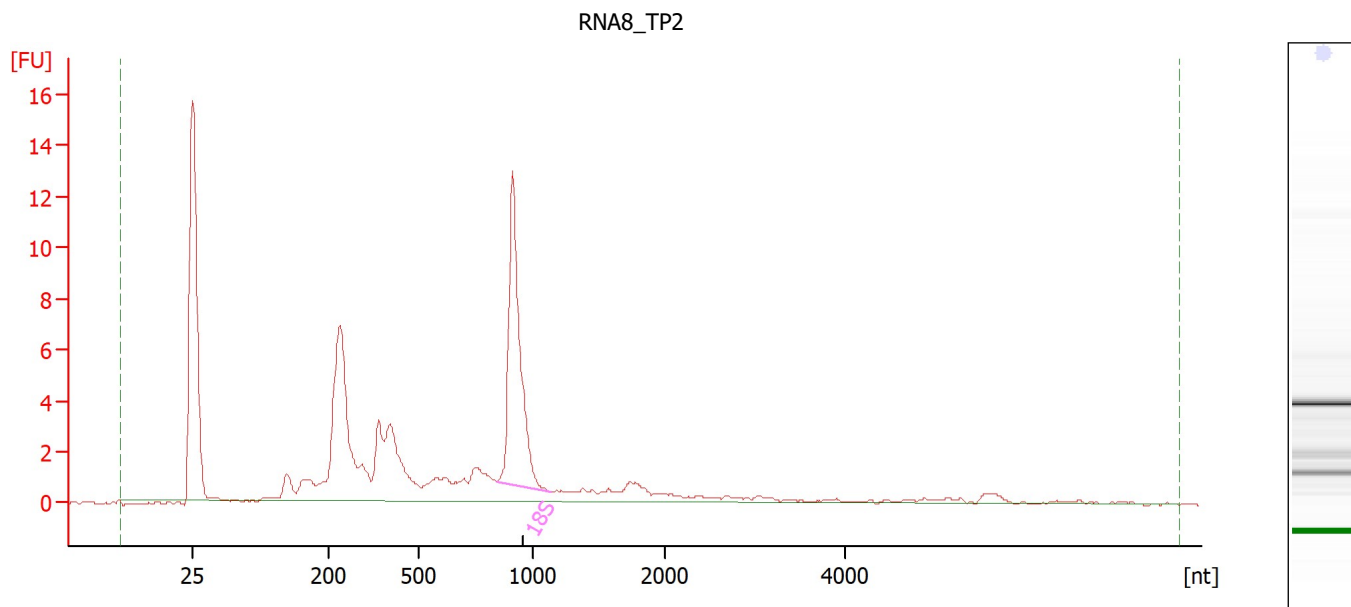
RNA Area:	63.2	RNA Integrity Number (RIN):	6.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	40 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
		Result Flagging Label:	RIN: 6.90

**Fragment table for sample 2 : RNA8\_TP1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	832	1,380	22.3	35.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : RNA8\_TP2**

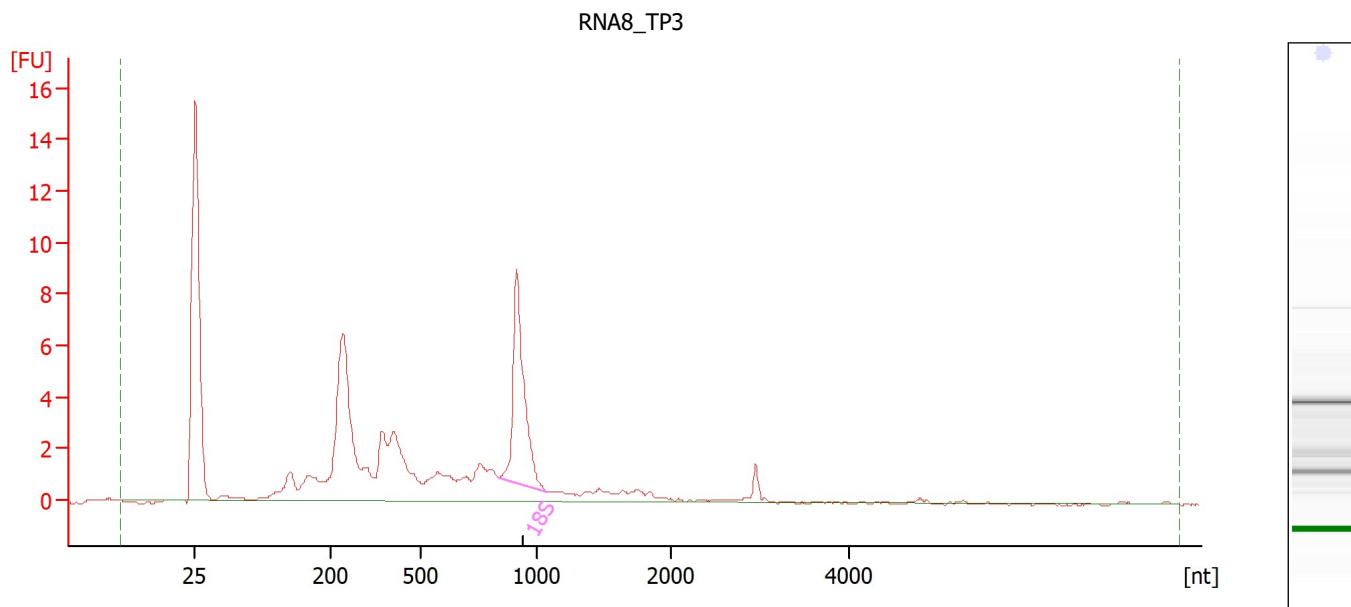
RNA Area:	81.7	RNA Integrity Number (RIN):	6.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	51 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 6.70

**Fragment table for sample 3 : RNA8\_TP2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	845	1,142	19.1	23.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : RNA8\_TP3**

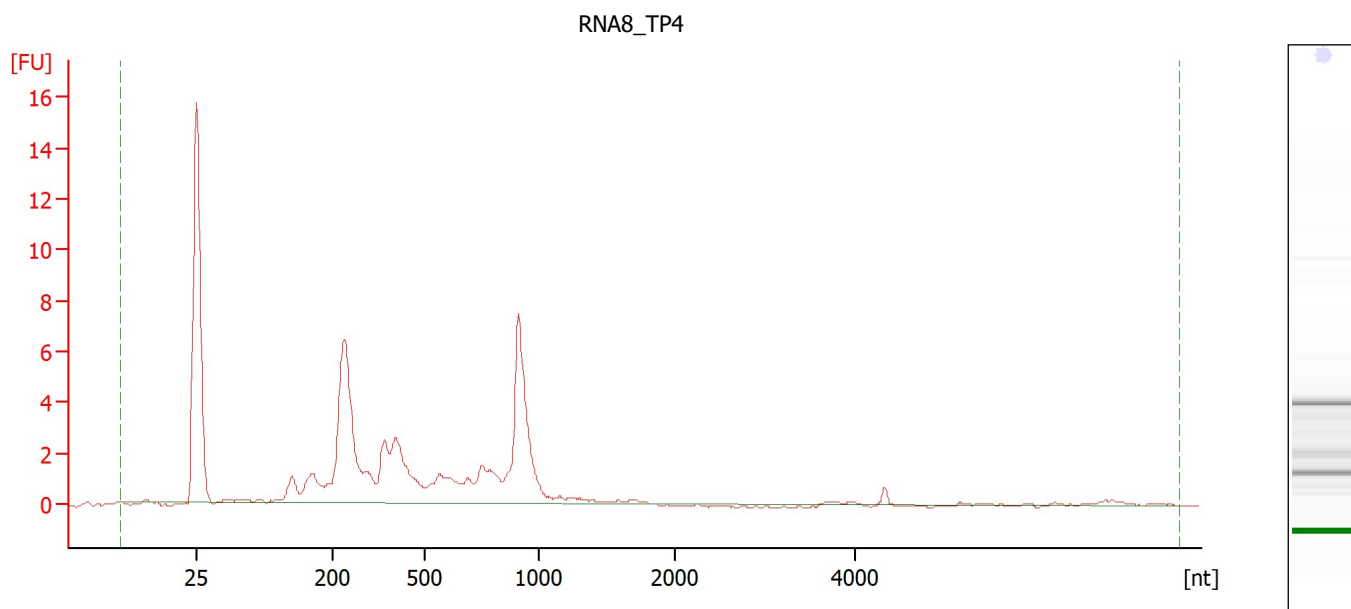
RNA Area:	71.5	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	45 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.60

**Fragment table for sample 4 : RNA8\_TP3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	839	1,075	12.8	17.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

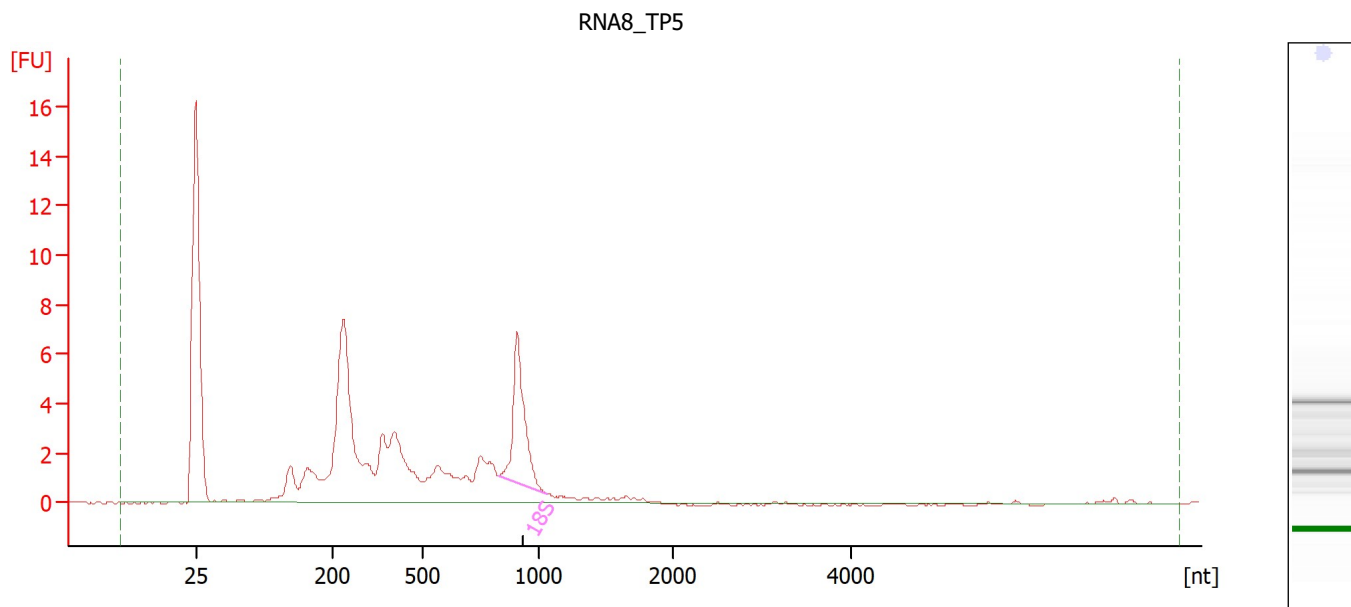
**Electropherogram Summary Continued ...****Overall Results for sample 5 : RNA8\_TP4**

RNA Area:	63.3	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	40 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: 2.60



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 6 : RNA8\_TP5**

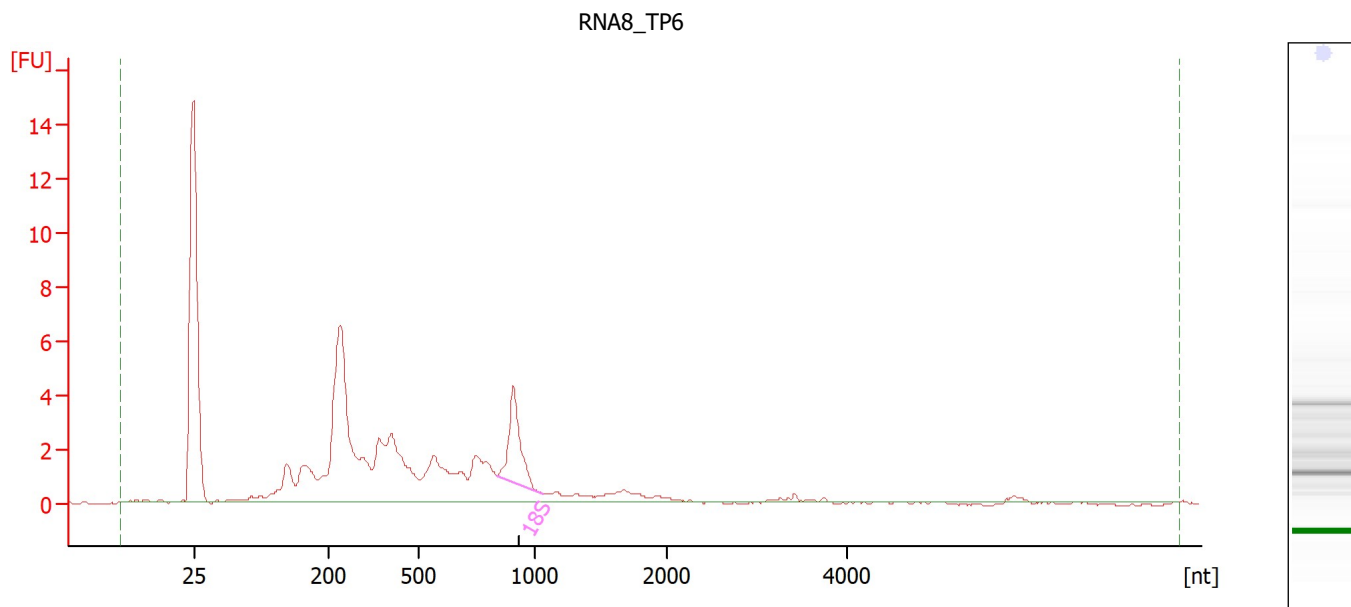
RNA Area:	73.6	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	46 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

**Fragment table for sample 6 : RNA8\_TP5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	832	1,061	9.8	13.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 7 : RNA8\_TP6**

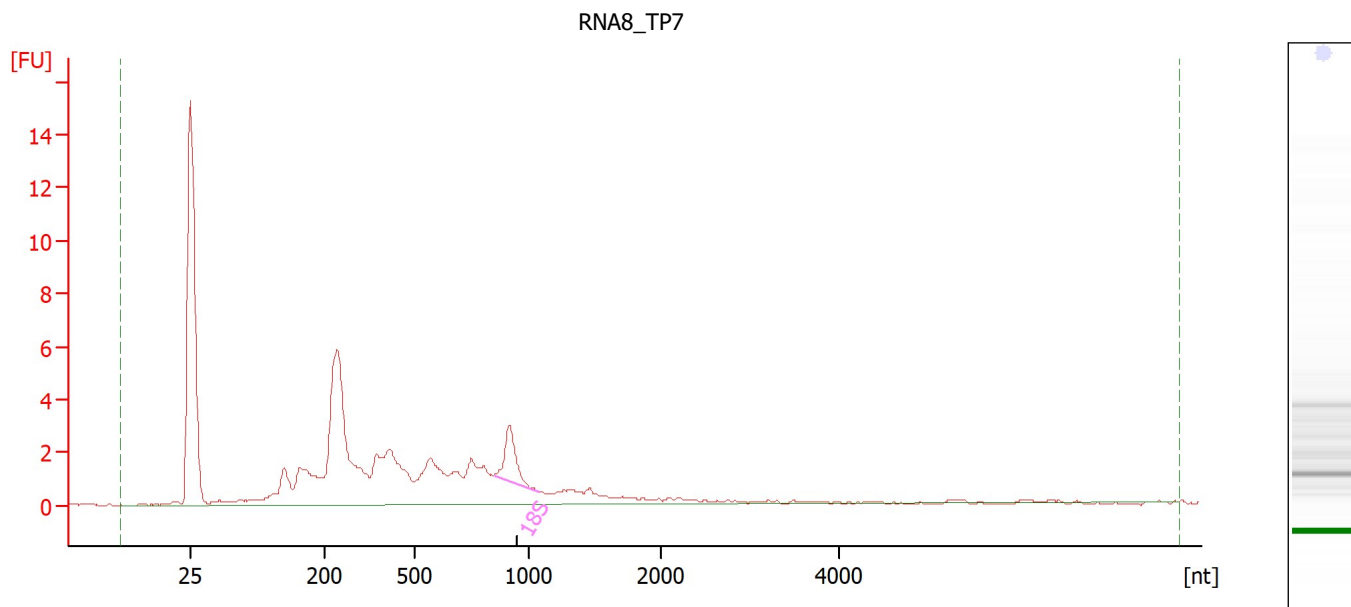
RNA Area:	68.1	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	43 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:5

**Fragment table for sample 7 : RNA8\_TP6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	838	1,057	5.7	8.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : RNA8\_TP7**

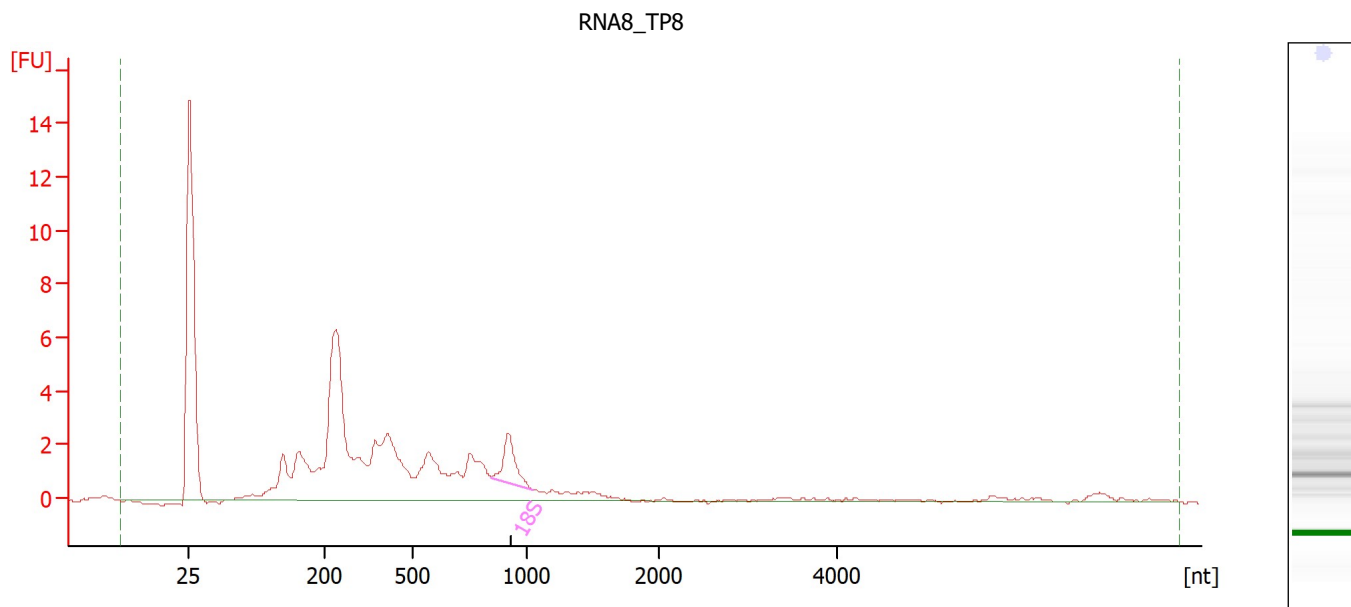
RNA Area:	67.5	RNA Integrity Number (RIN):	3.7 (B.02.10)
RNA Concentration:	42 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.70

**Fragment table for sample 8 : RNA8\_TP7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	846	1,074	3.2	4.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 9 : RNA8\_TP8**

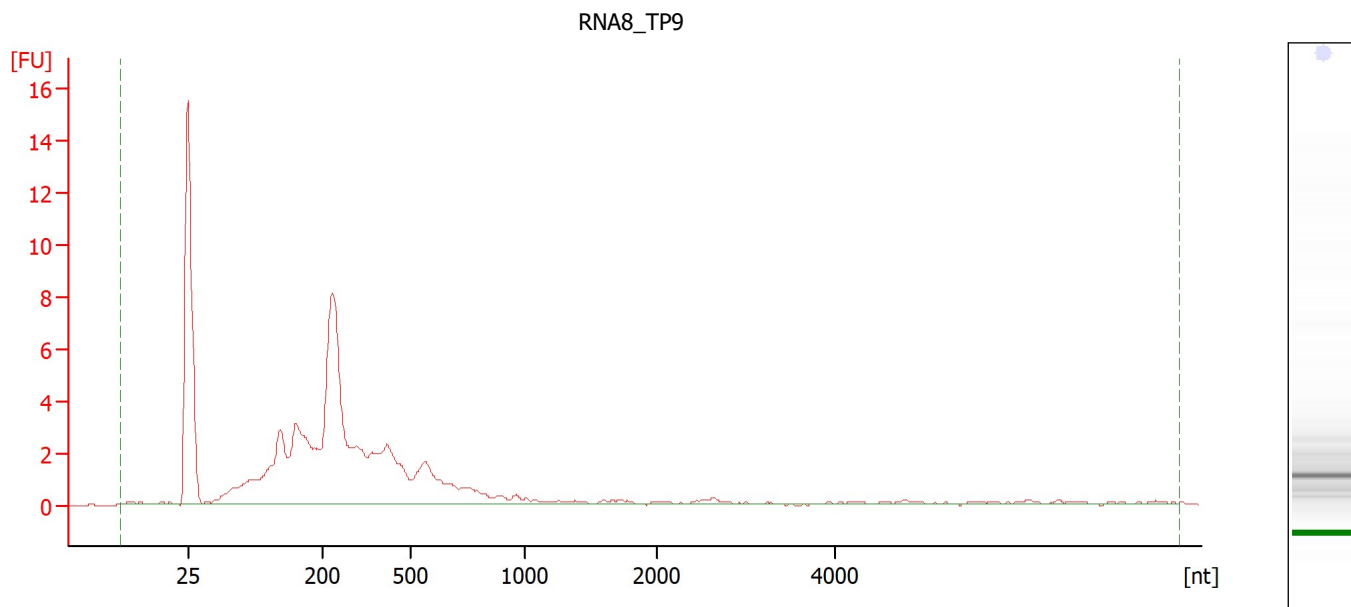
RNA Area:	68.5	RNA Integrity Number (RIN):	3.5 (B.02.10)
RNA Concentration:	43 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

**Fragment table for sample 9 : RNA8\_TP8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	844	1,039	3.0	4.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

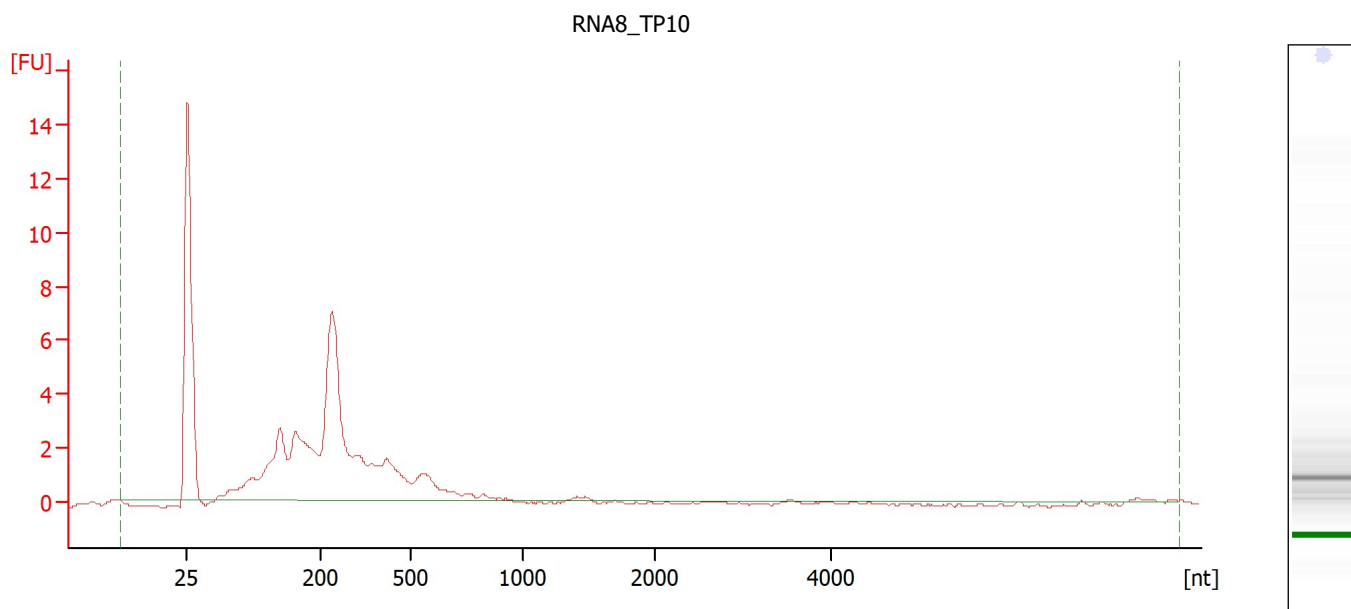
Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : RNA8\_TP9**

RNA Area:	78.2	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	49 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: 2.30

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : RNA8\_TP10**

RNA Area:	58.9	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	37 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: 2.30

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano\_2020-10-12\_16-39-16.xad

Created: 10/12/2020 4:39:16 PM  
Modified: 10/12/2020 5:11:08 PM

**Gel Image**