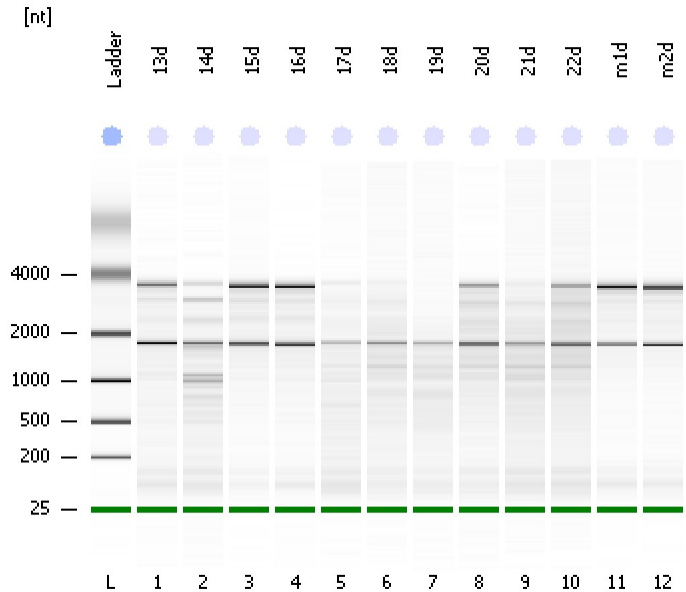


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### Assay Information:

Assay Origin Path: C:\Program Files\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)

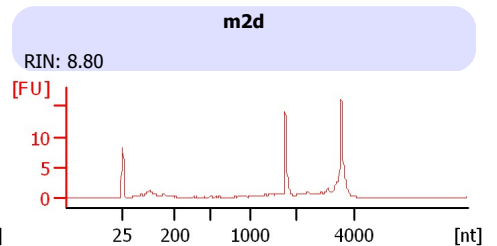
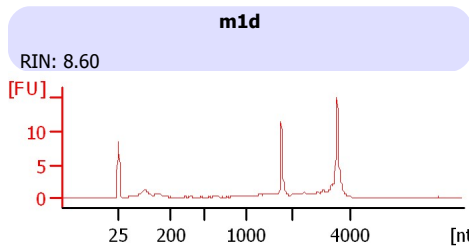
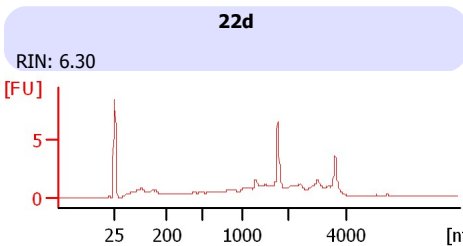
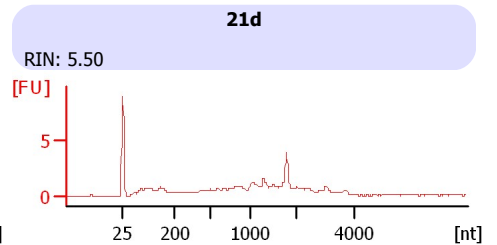
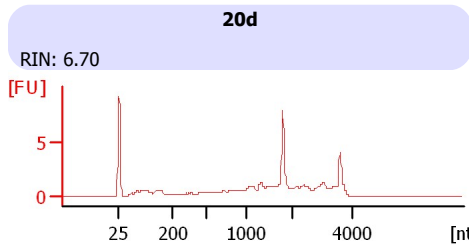
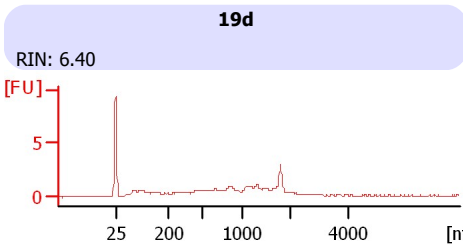
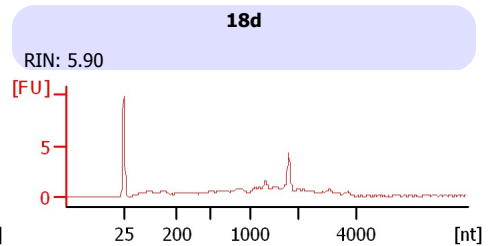
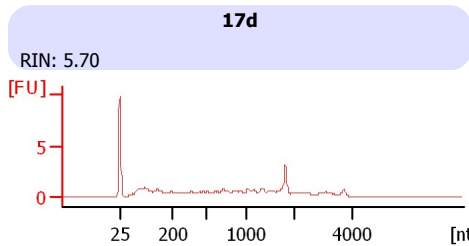
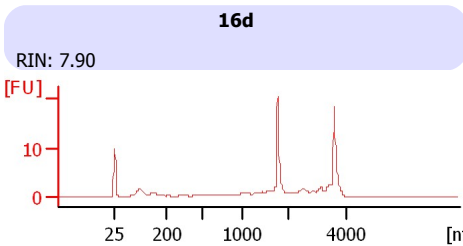
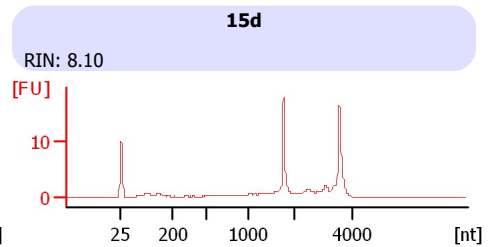
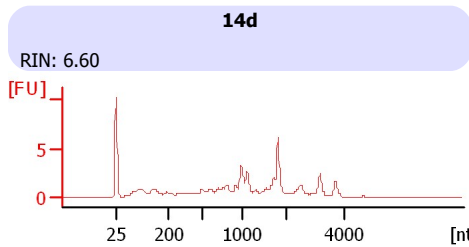
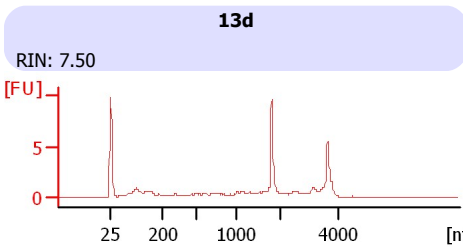
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#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
 Modified: 5/21/2015 2:33:50 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
13d		✓	RIN: 7.50	
14d		✓	RIN: 6.60	
15d		✓	RIN: 8.10	
16d		✓	RIN: 7.90	
17d		✓	RIN: 5.70	
18d		✓	RIN: 5.90	
19d		✓	RIN: 6.40	
20d		✓	RIN: 6.70	
21d		✓	RIN: 5.50	
22d		✓	RIN: 6.30	
m1d		✓	RIN: 8.60	
m2d		✓	RIN: 8.80	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 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

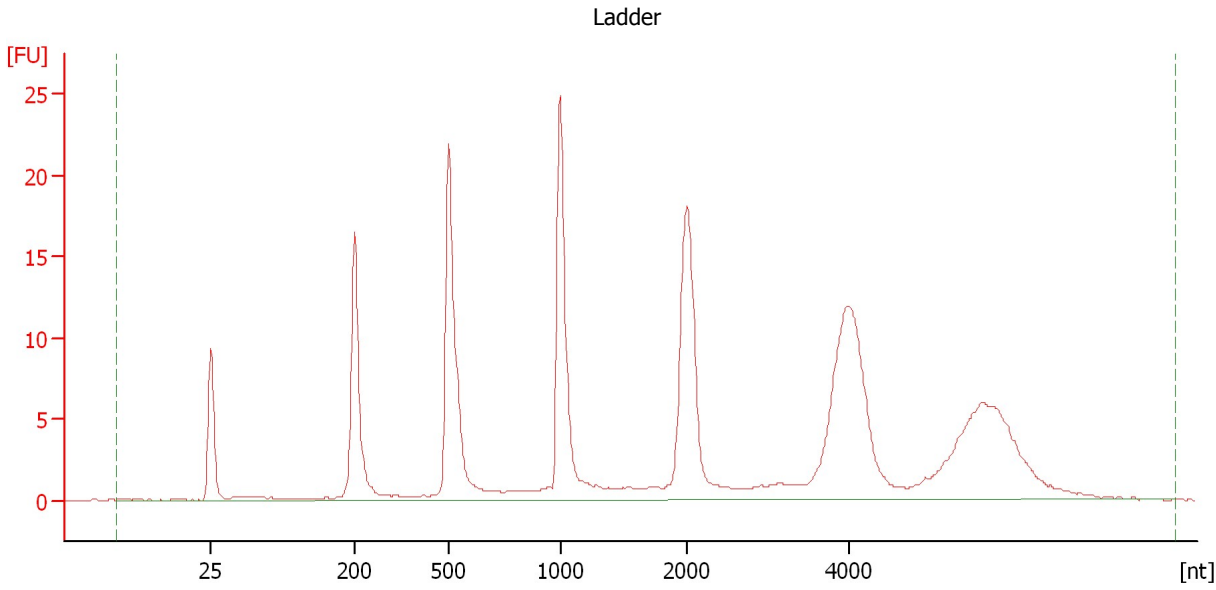
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary**



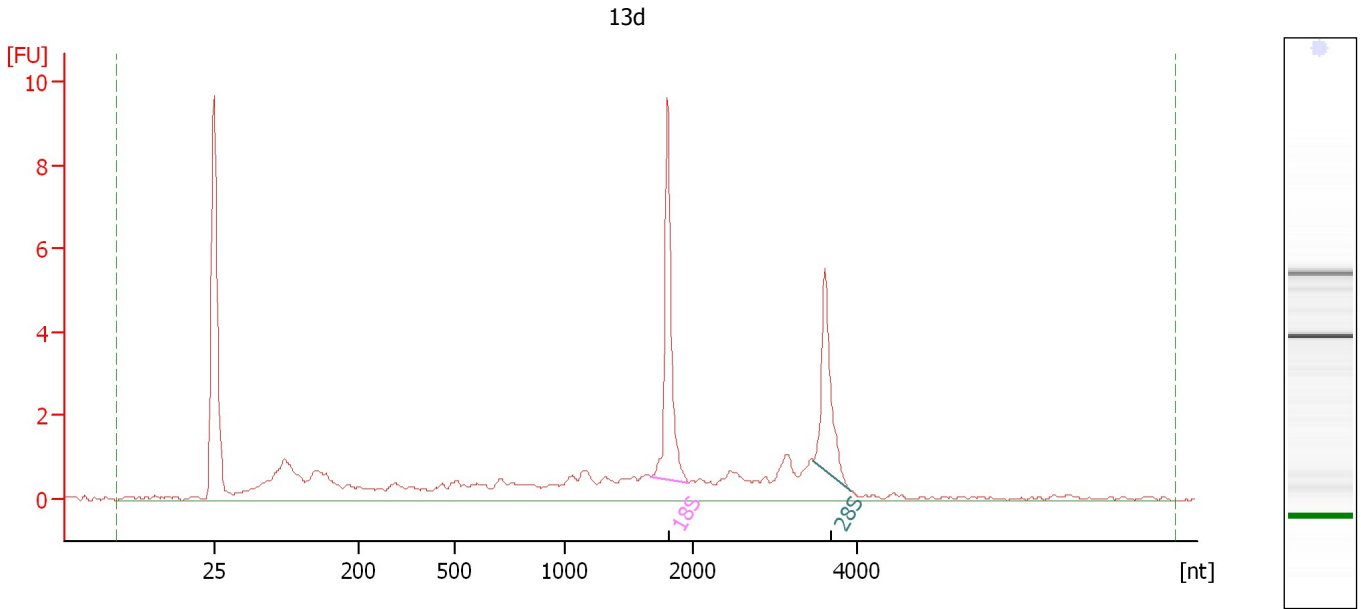
**Overall Results for Ladder**

RNA Area:	220.9	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 13d**

RNA Area:	51.1	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	35 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]:	0.6	Result Flagging Label:	RIN: 7.50

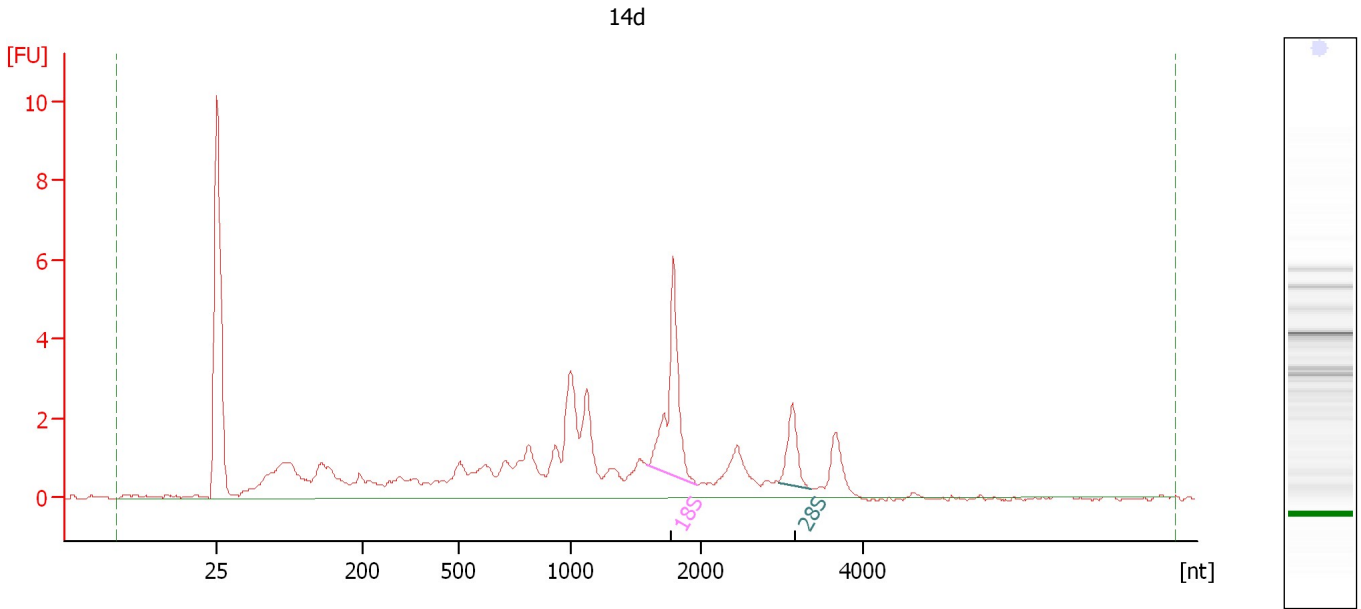
**Fragment table for sample 1 : 13d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,667	1,959	7.3	14.2
28S	3,476	3,937	4.6	9.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 14d**

RNA Area:	59.2	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	40 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]:	0.3	Result Flagging Label:	RIN: 6.60

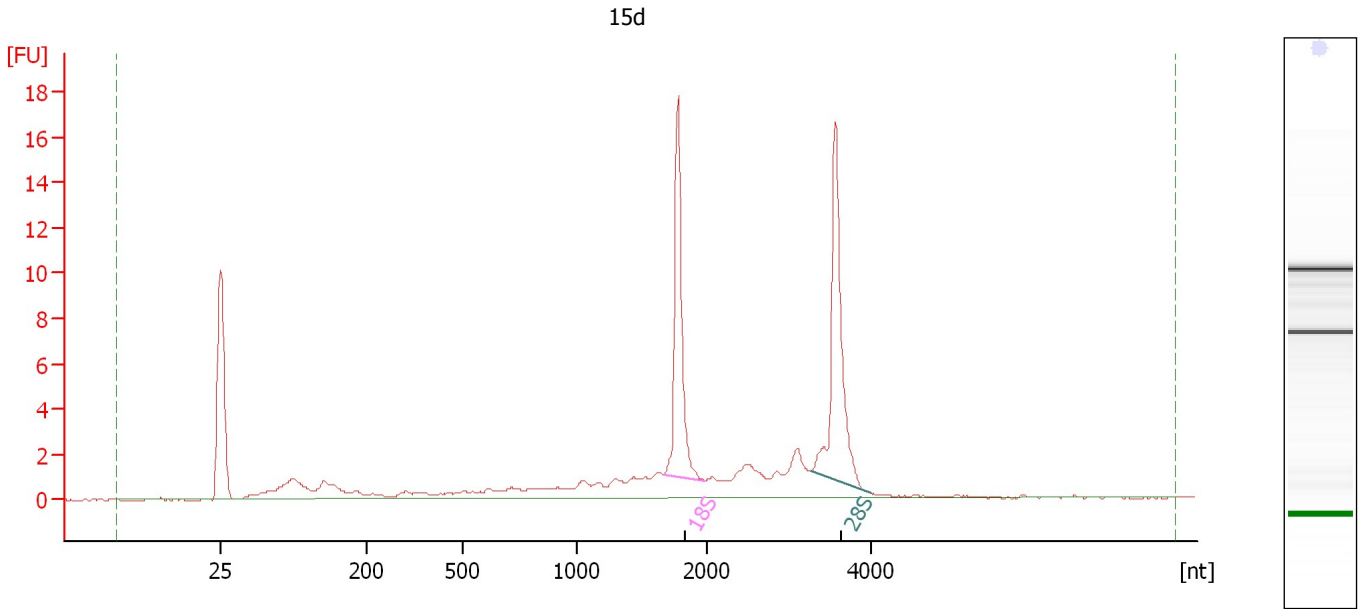
**Fragment table for sample 2 : 14d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,970	6.6	11.1
28S	2,960	3,365	2.1	3.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 15d**

RNA Area: 72.6                      RNA Integrity Number (RIN): 8.1 (B.02.08)  
RNA Concentration: 49 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.2              Result Flagging Label: RIN: 8.10

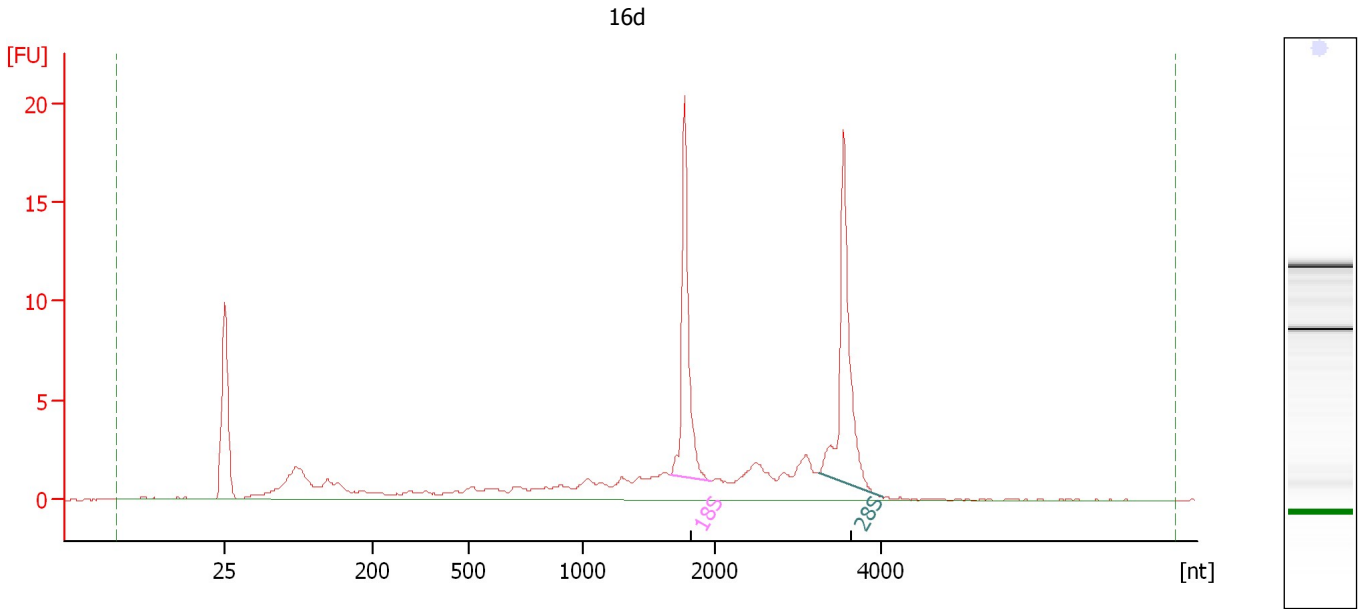
**Fragment table for sample 3 : 15d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	1,996	13.2	18.2
28S	3,268	3,996	15.5	21.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 16d**

RNA Area: 92.8                      RNA Integrity Number (RIN): 7.9 (B.02.08)  
RNA Concentration: 63 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.1              Result Flagging Label: RIN: 7.90

**Fragment table for sample 4 : 16d**

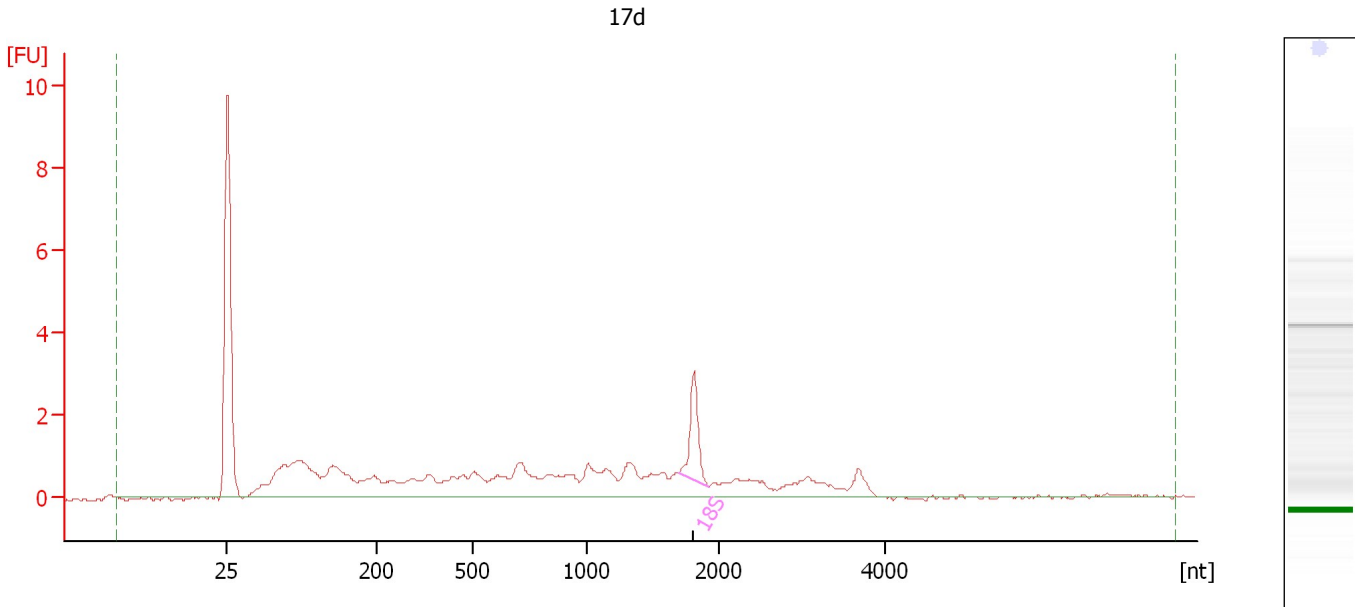
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,966	15.4	16.6
28S	3,261	4,022	17.4	18.7



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 17d**

RNA Area:	39.7	RNA Integrity Number (RIN):	5.7 (B.02.08)
RNA Concentration:	27 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: 5.70

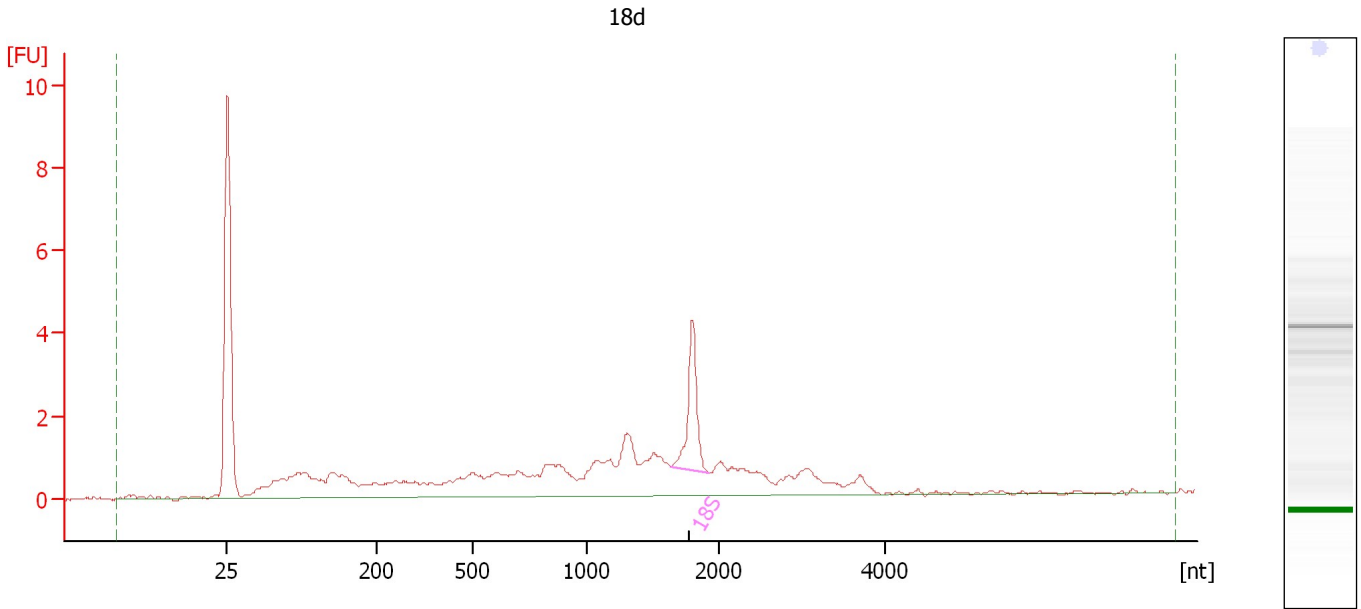
**Fragment table for sample 5 : 17d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	1,926	2.4	6.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 18d**

RNA Area:	43.4	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	29 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: 5.90

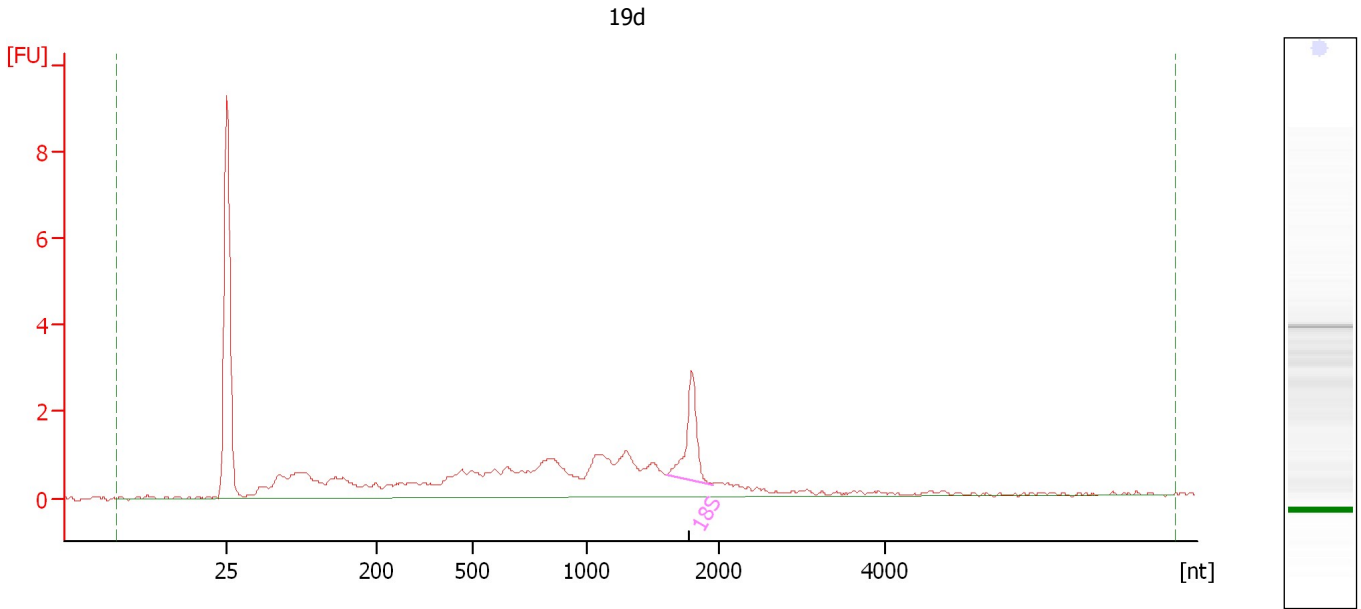
**Fragment table for sample 6 : 18d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,633	1,926	3.5	8.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 19d**

RNA Area:	36.2	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	25 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: 6.40

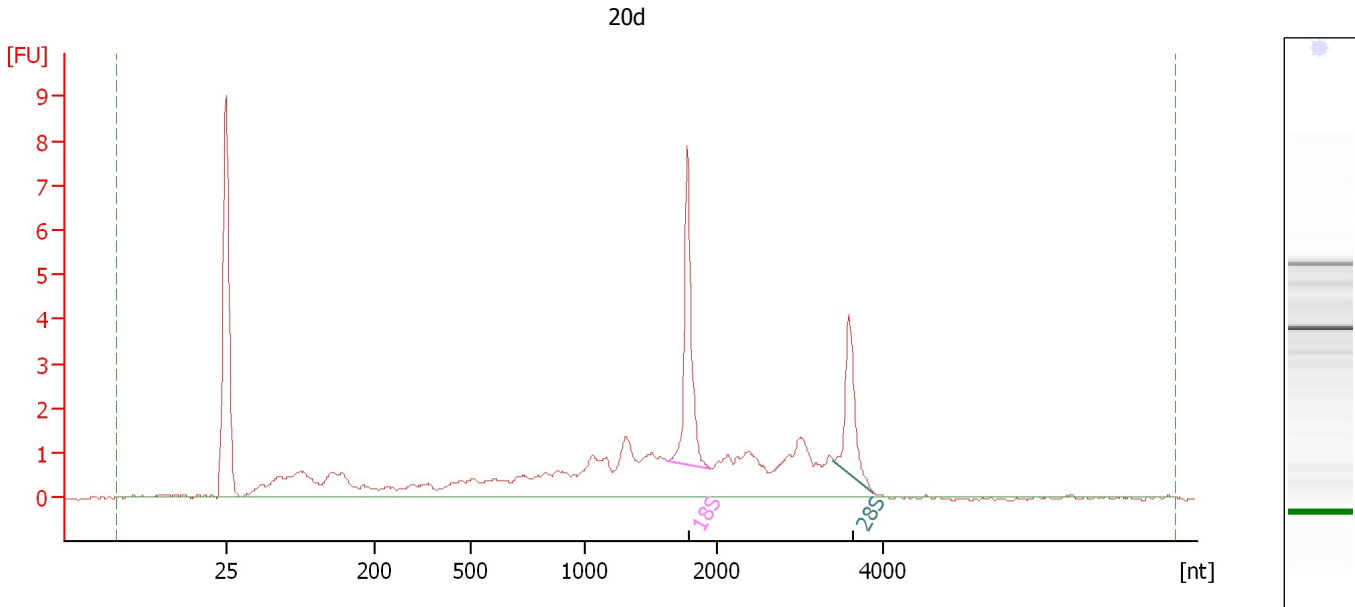
**Fragment table for sample 7 : 19d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,951	2.9	8.0

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
 Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 20d**

RNA Area:	48.4	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	33 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]:	0.5	Result Flagging Label:	RIN: 6.70

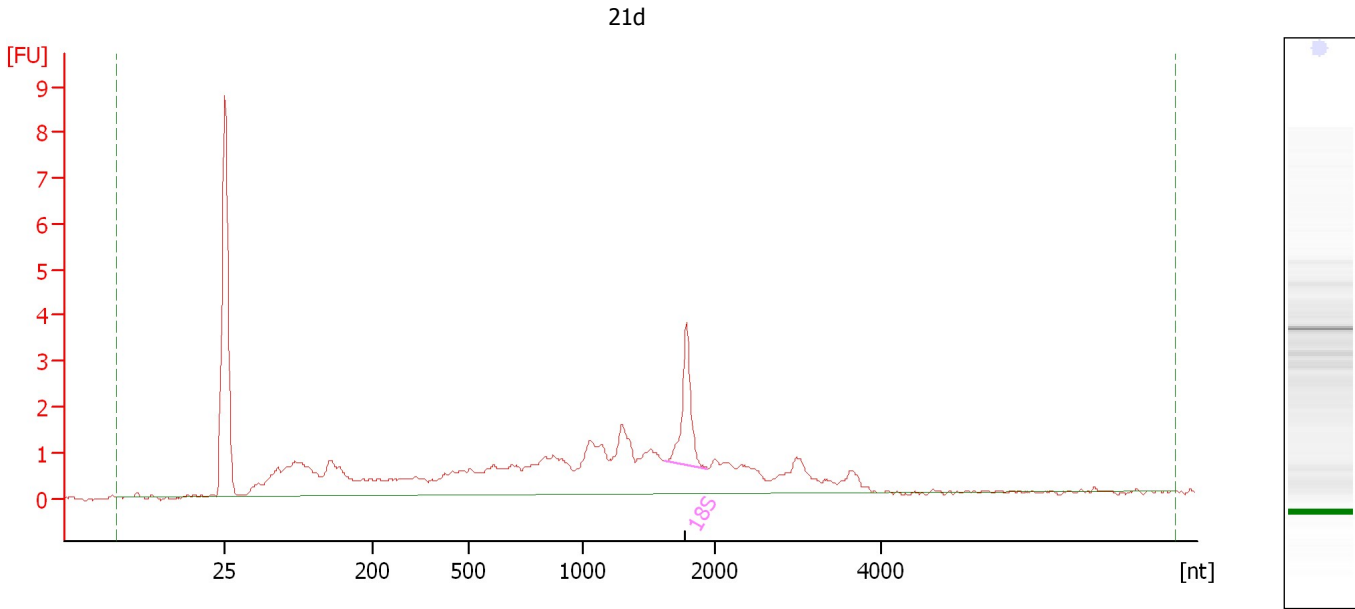
**Fragment table for sample 8 : 20d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,950	5.8	12.0
28S	3,414	3,890	3.1	6.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 21d**

RNA Area:	45.3	RNA Integrity Number (RIN):	5.5 (B.02.08)
RNA Concentration:	31 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: 5.50

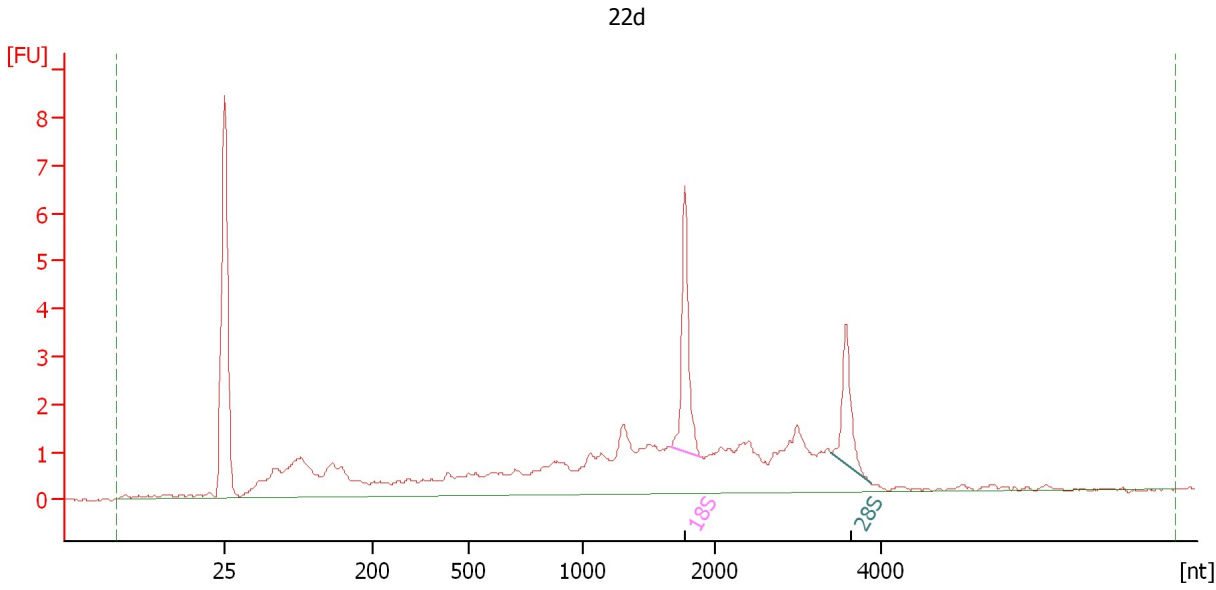
**Fragment table for sample 9 : 21d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	1,949	3.2	7.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 22d**

RNA Area:	56.1	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	38 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]:	0.6	Result Flagging Label:	RIN: 6.30

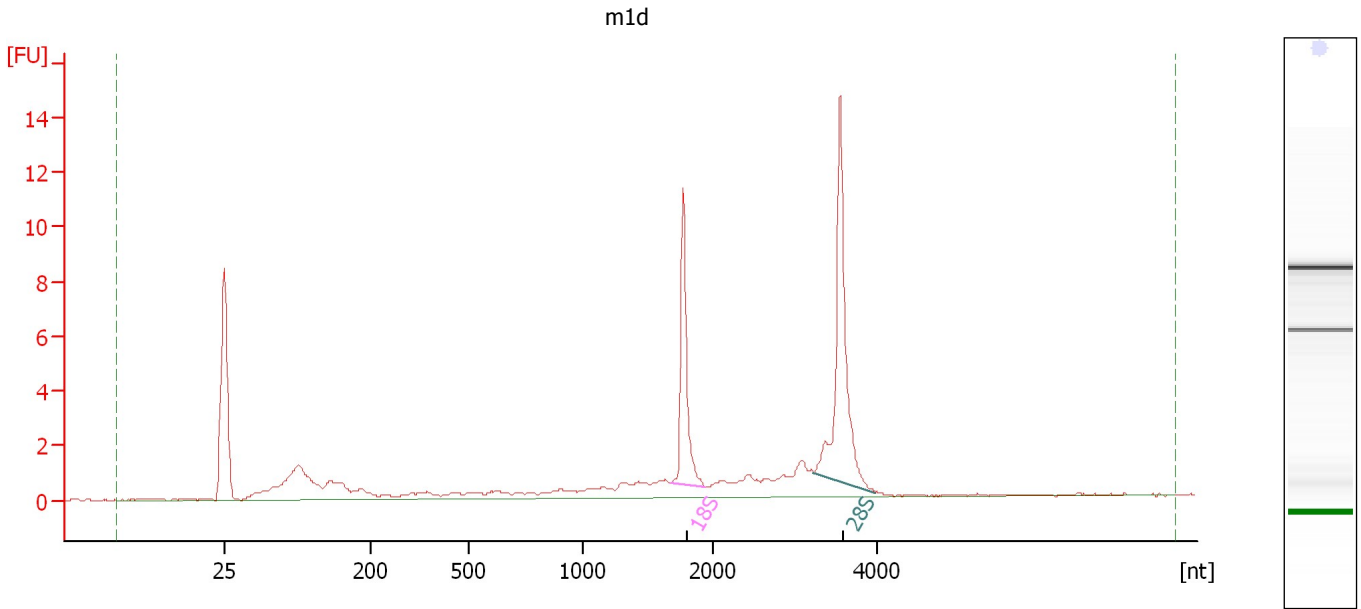
**Fragment table for sample 10 : 22d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,900	4.6	8.2
28S	3,416	3,880	2.6	4.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : m1d**

RNA Area: 54.8                      RNA Integrity Number (RIN): 8.6 (B.02.08)  
RNA Concentration: 37 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7              Result Flagging Label: RIN: 8.60

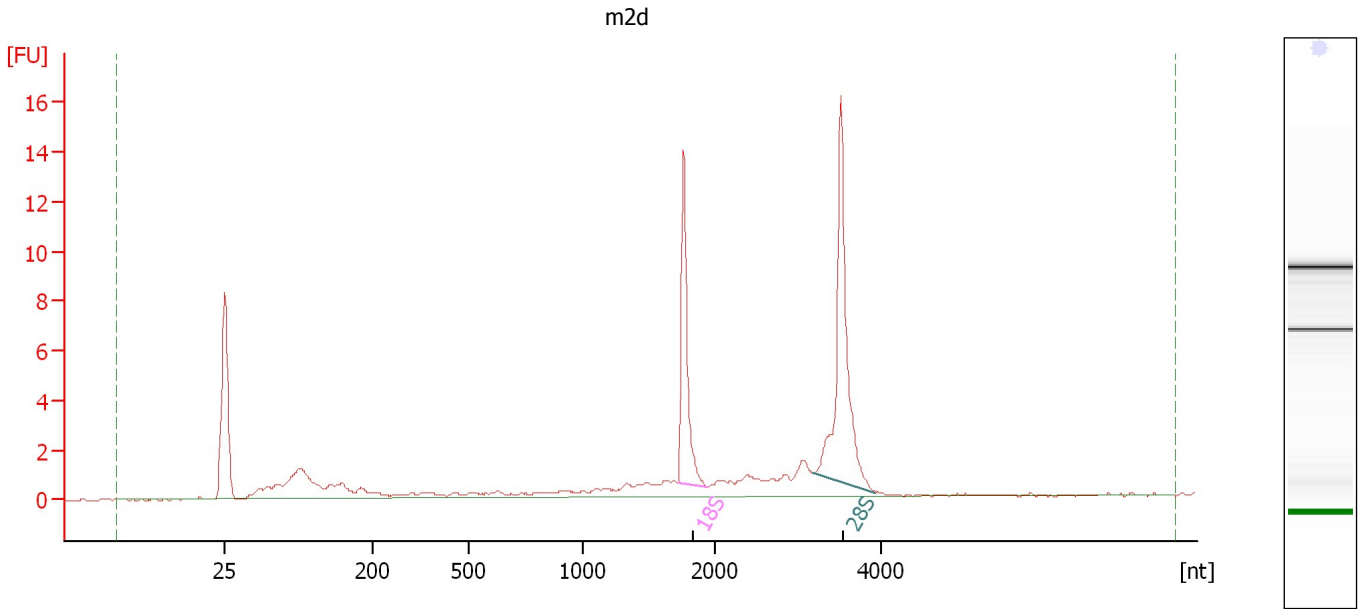
**Fragment table for sample 11 : m1d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	1,949	7.9	14.5
28S	3,224	3,974	13.4	24.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : m2d**

RNA Area: 57.1                      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 39 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6              Result Flagging Label: RIN: 8.80

**Fragment table for sample 12 : m2d**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	1,941	9.8	17.2
28S	3,197	3,945	15.7	27.6



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21\_003.xad

Created: 5/21/2015 2:10:35 PM  
Modified: 5/21/2015 2:33:50 PM

**Gel Image**

