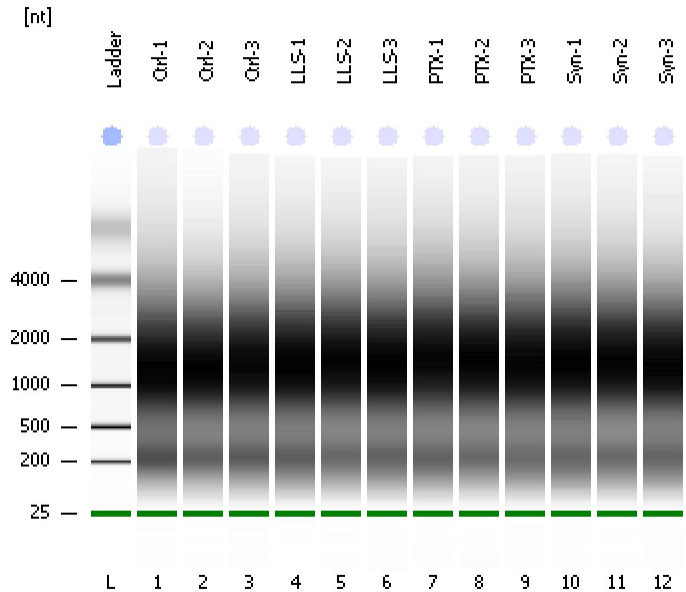


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

### Electrophoresis File Run Summary



#### Instrument Information:

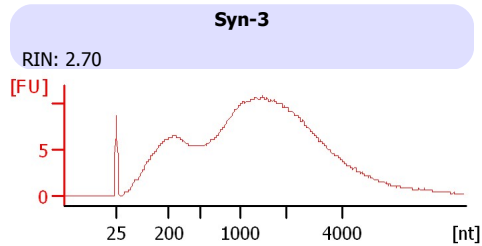
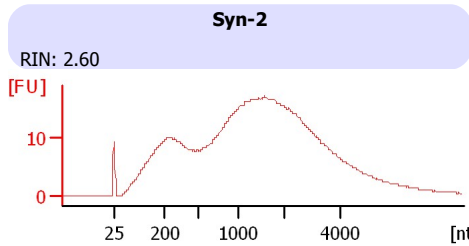
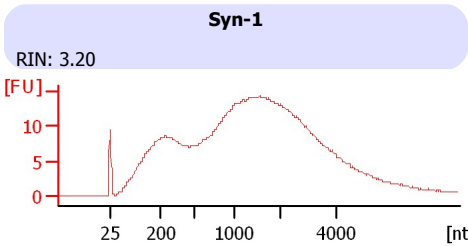
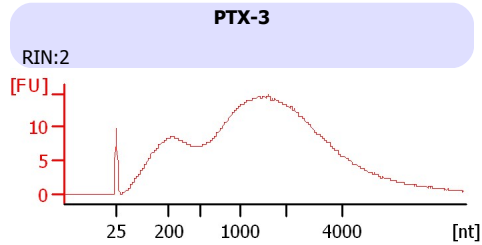
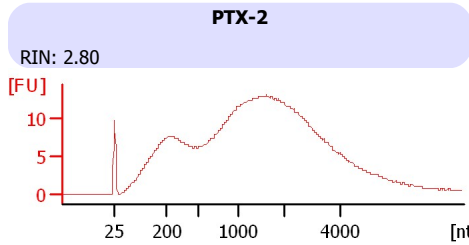
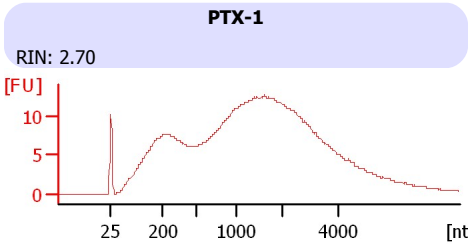
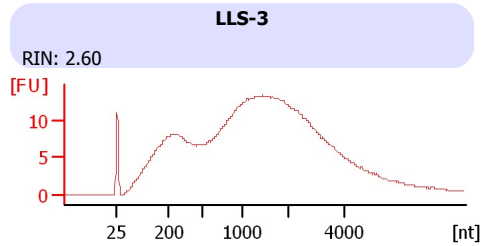
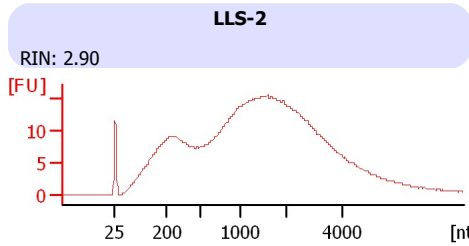
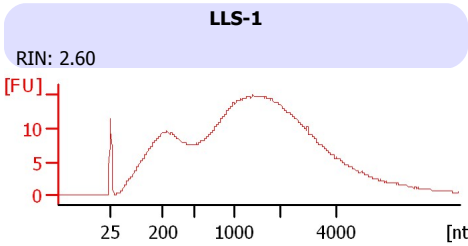
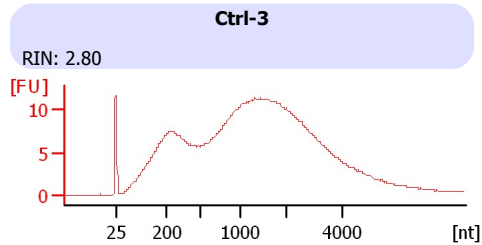
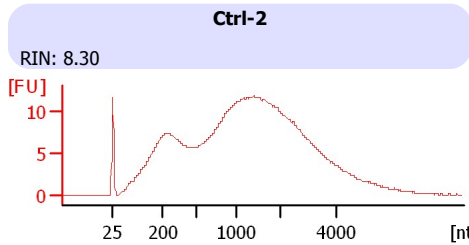
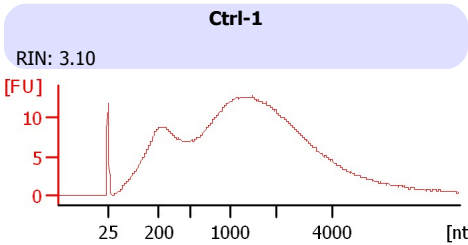
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Ctrl-1		✓	RIN: 3.10	
Ctrl-2		✓	RIN: 8.30	
Ctrl-3		✓	RIN: 2.80	
LLS-1		✓	RIN: 2.60	
LLS-2		✓	RIN: 2.90	
LLS-3		✓	RIN: 2.60	
PTX-1		✓	RIN: 2.70	
PTX-2		✓	RIN: 2.80	
PTX-3		✓	RIN:2	
Syn-1		✓	RIN: 3.20	
Syn-2		✓	RIN: 2.60	
Syn-3		✓	RIN: 2.70	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 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

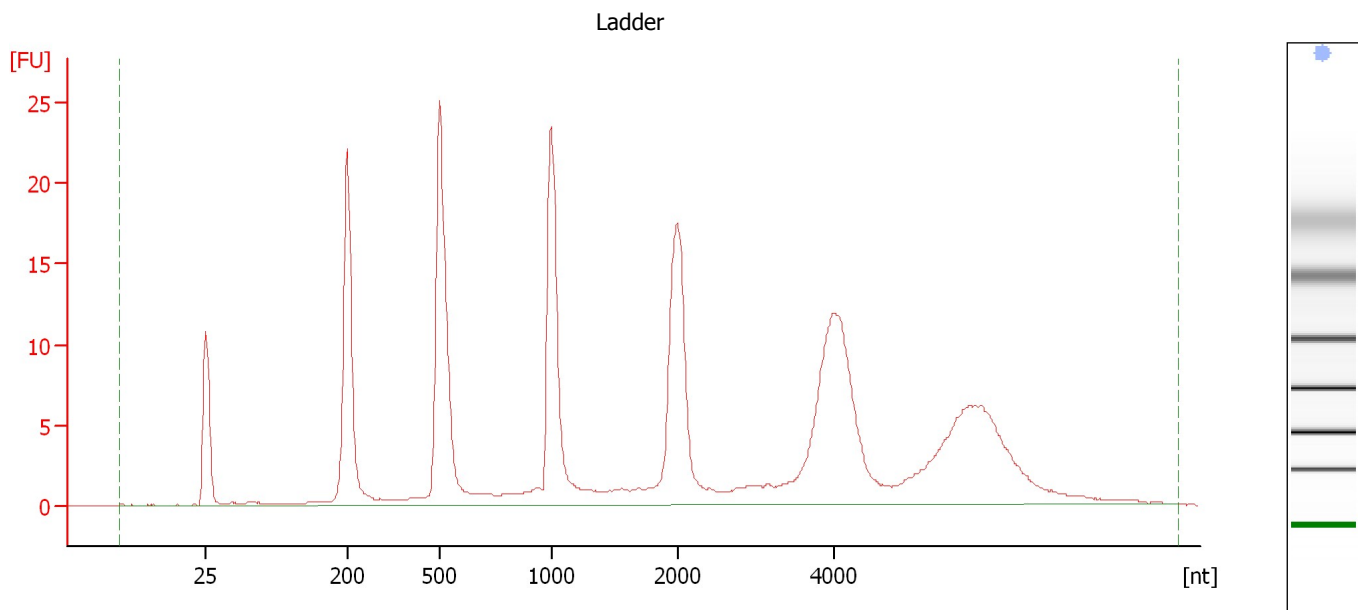
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary**



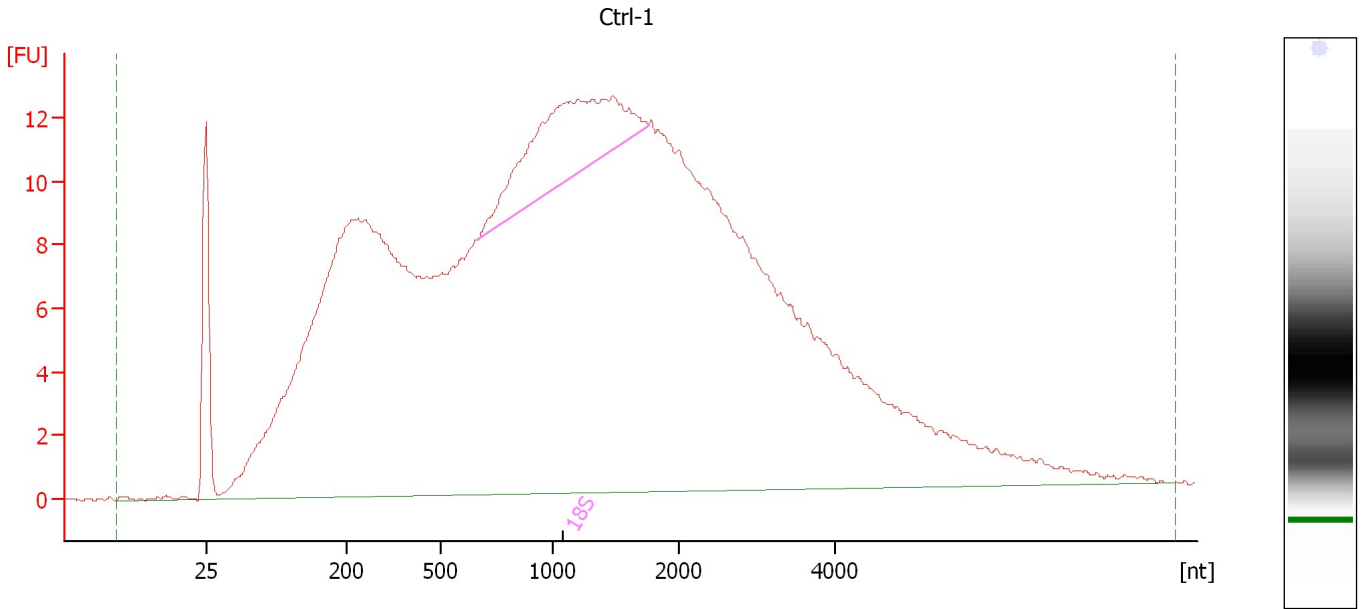
**Overall Results for Ladder**

RNA Area:	254.7	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Ctrl-1**

RNA Area:	618.7	RNA Integrity Number (RIN):	3.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	364 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: 3.10

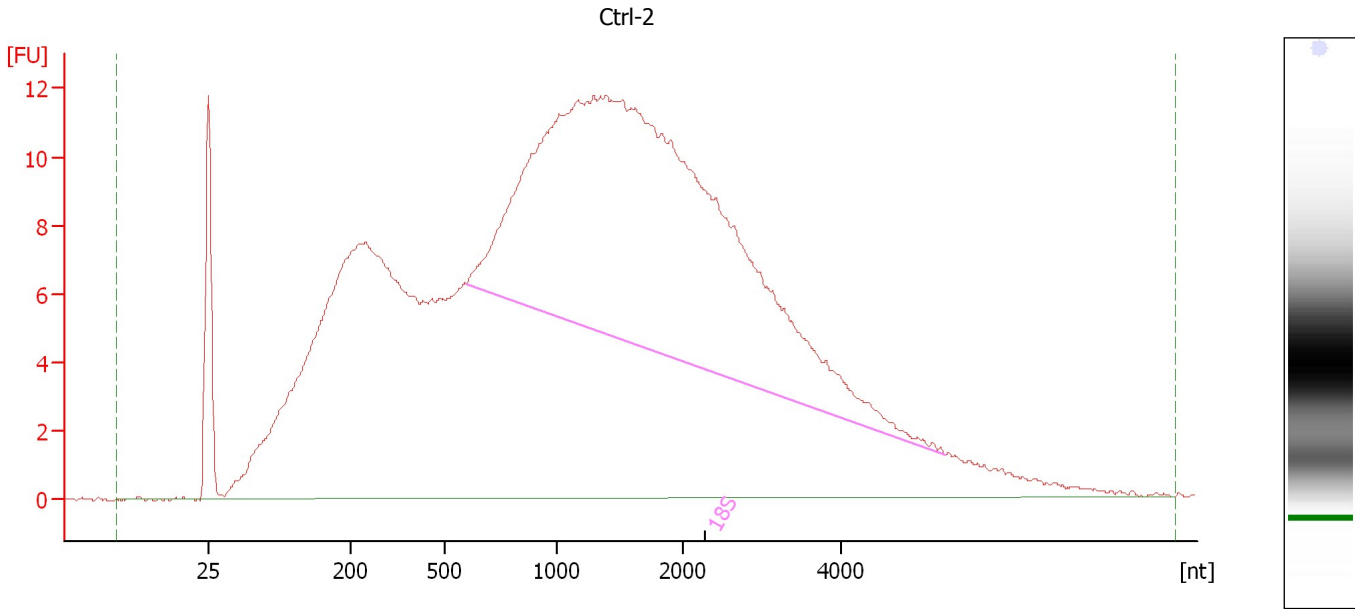
**Fragment table for sample 1 : Ctrl-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	663	1,756	29.7	4.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Ctrl-2**

RNA Area:	547.8	RNA Integrity Number (RIN):	8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	323 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: 8.30

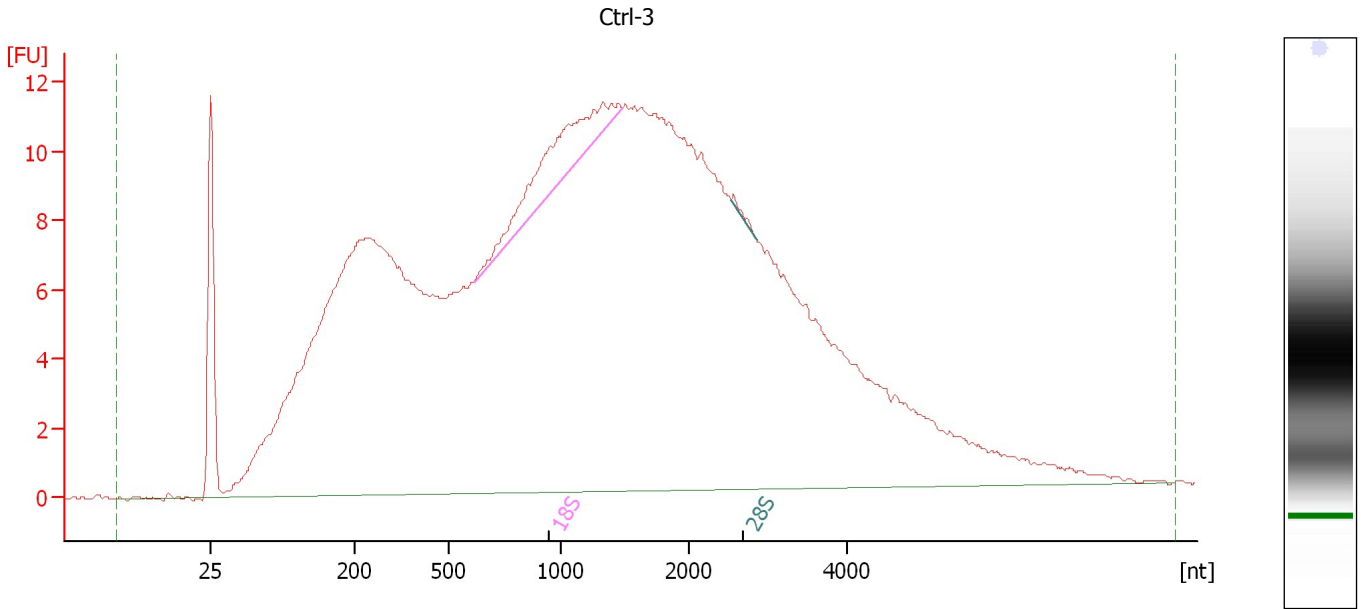
**Fragment table for sample 2 : Ctrl-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	600	5,331	175.8	32.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
 Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Ctrl-3**

RNA Area:	546.2	RNA Integrity Number (RIN):	2.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	322 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: 2.80

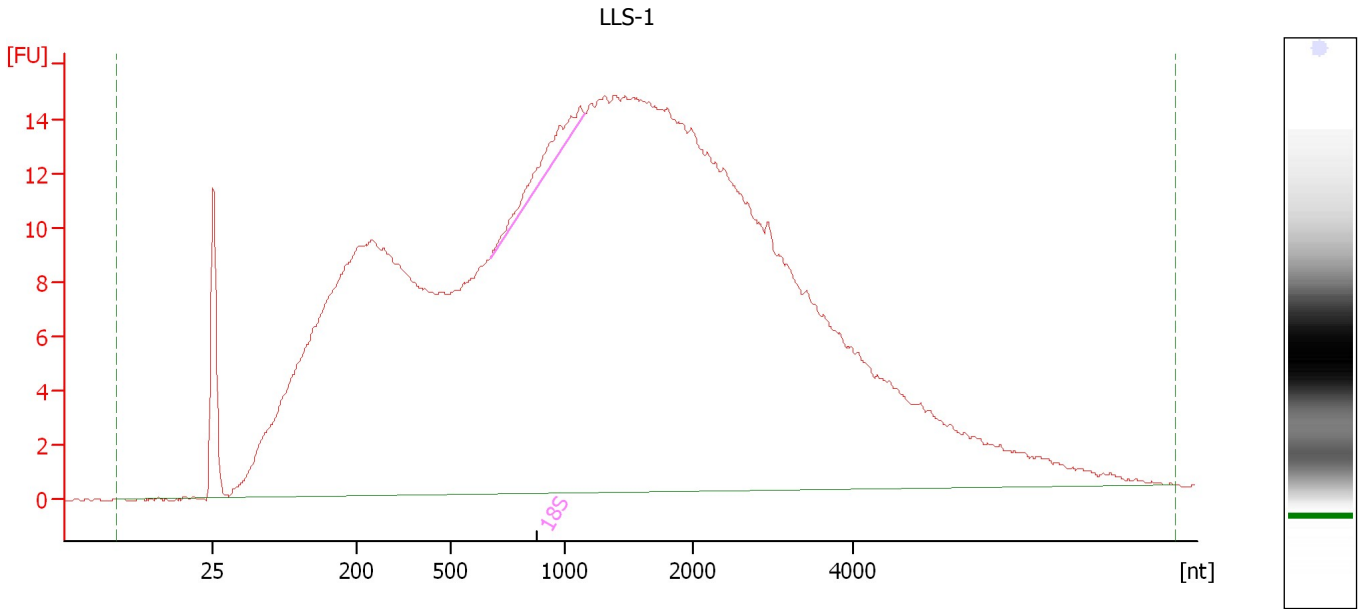
**Fragment table for sample 3 : Ctrl-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	612	1,485	13.1	2.4
28S	2,518	2,842	0.4	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : LLS-1**

RNA Area:	721.0	RNA Integrity Number (RIN):	2.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	425 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: 2.60

**Fragment table for sample 4 : LLS-1**

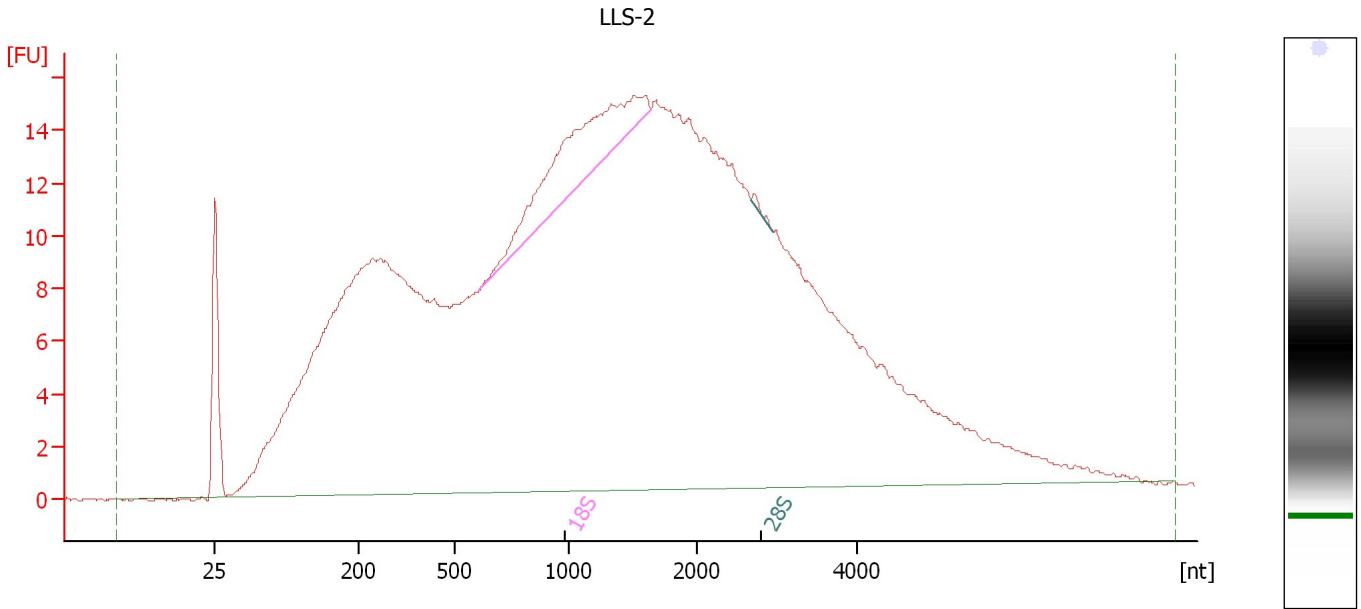
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	668	1,148	5.3	0.7



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
 Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : LLS-2**

RNA Area:	712.4	RNA Integrity Number (RIN):	2.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	420 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: 2.90

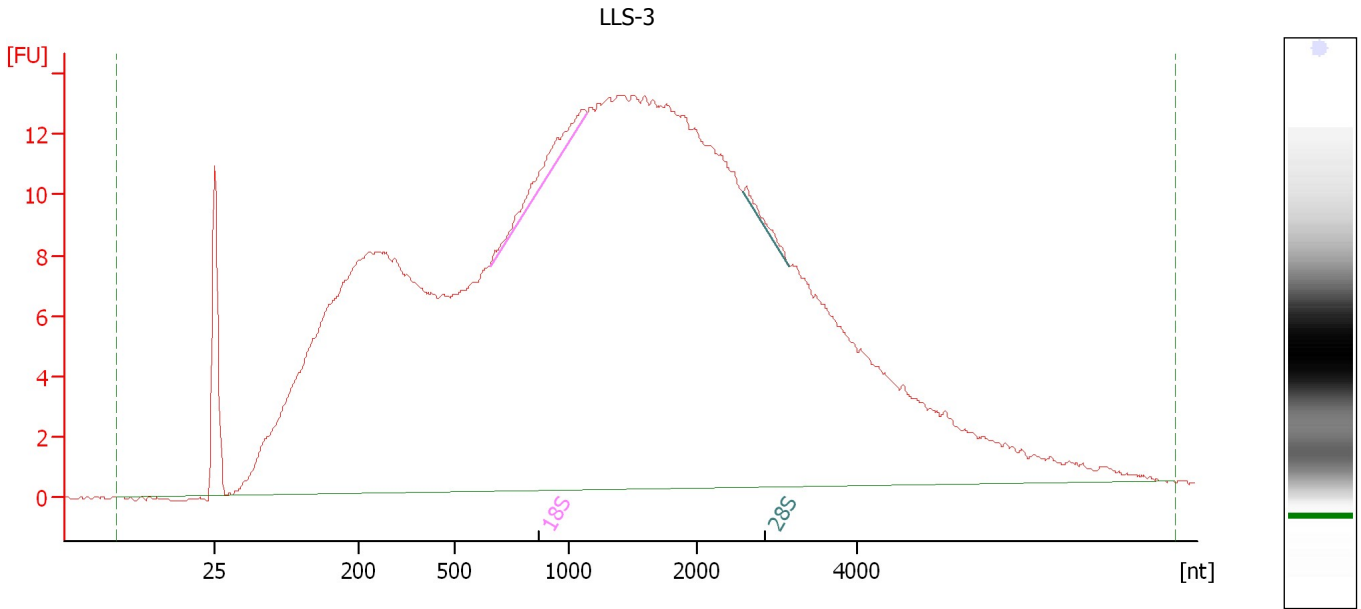
**Fragment table for sample 5 : LLS-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	607	1,633	25.0	3.5
28S	2,665	2,946	0.4	0.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
 Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : LLS-3**

RNA Area:	635.9	RNA Integrity Number (RIN):	2.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	374 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]:	0.2	Result Flagging Label:	RIN: 2.60

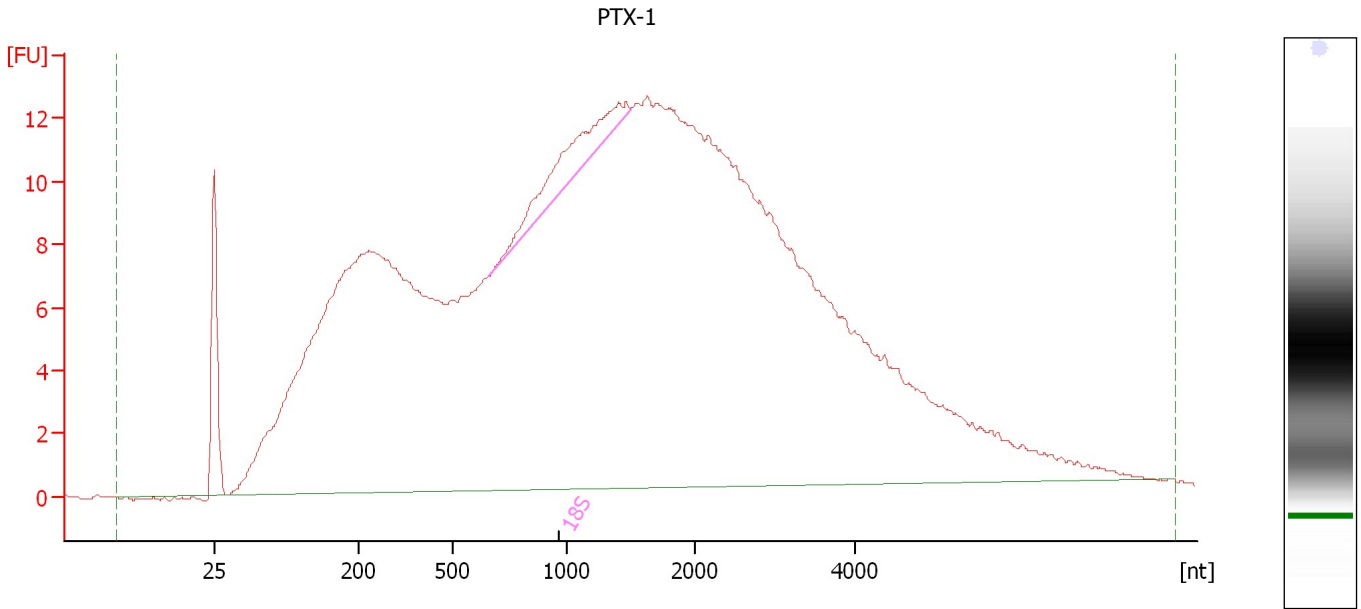
**Fragment table for sample 6 : LLS-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	654	1,144	4.2	0.7
28S	2,558	3,147	1.0	0.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : PTX-1**

RNA Area:	608.5	RNA Integrity Number (RIN):	2.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	358 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: 2.70

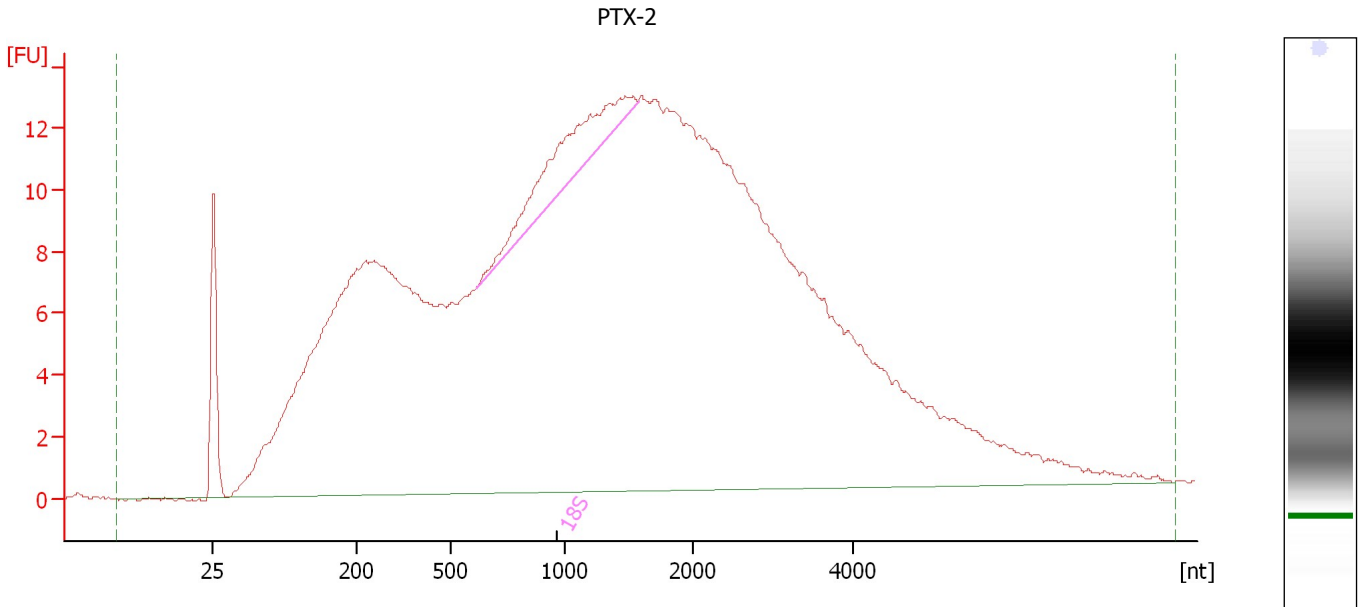
**Fragment table for sample 7 : PTX-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	657	1,490	10.6	1.7

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
 Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : PTX-2**

RNA Area:	618.2	RNA Integrity Number (RIN):	2.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	364 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: 2.80

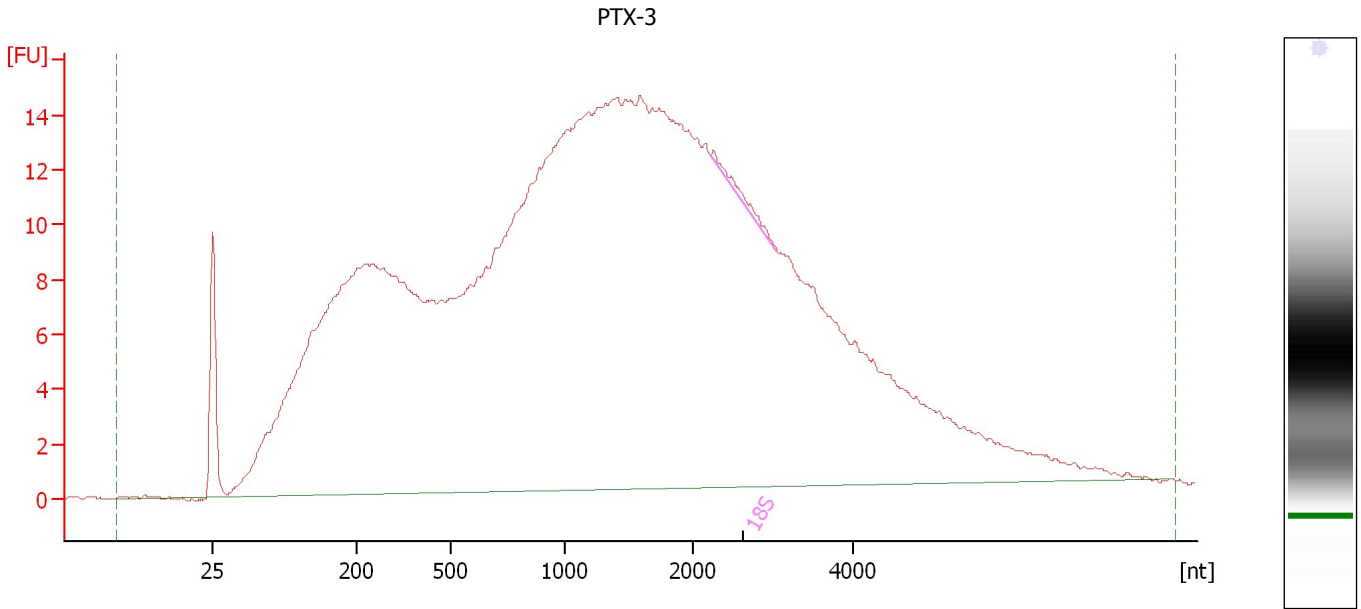
**Fragment table for sample 8 : PTX-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	607	1,572	16.2	2.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : PTX-3**

RNA Area:	694.7	RNA Integrity Number (RIN):	2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	409 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:2

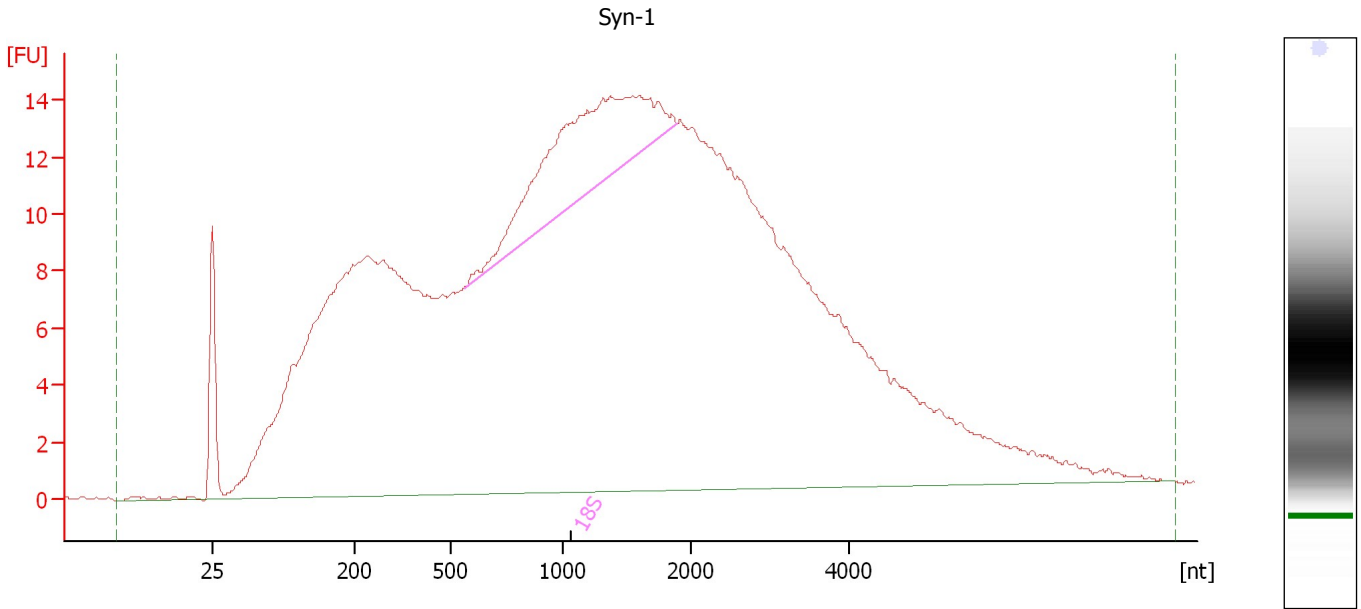
**Fragment table for sample 9 : PTX-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,209	3,056	1.4	0.2

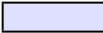
Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Syn-1**

RNA Area:	689.6	RNA Integrity Number (RIN):	3.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	406 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.20

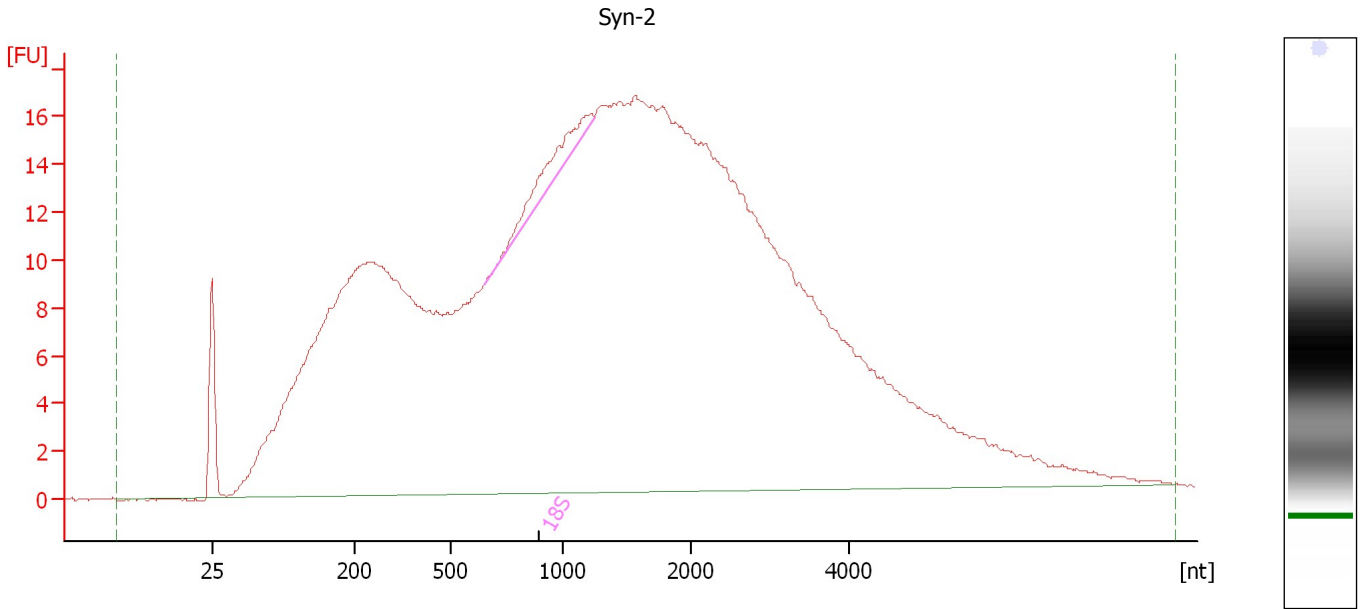
**Fragment table for sample 10 : Syn-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	562	1,887	41.6	6.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Syn-2**

RNA Area:	789.0	RNA Integrity Number (RIN):	2.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	465 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: 2.60

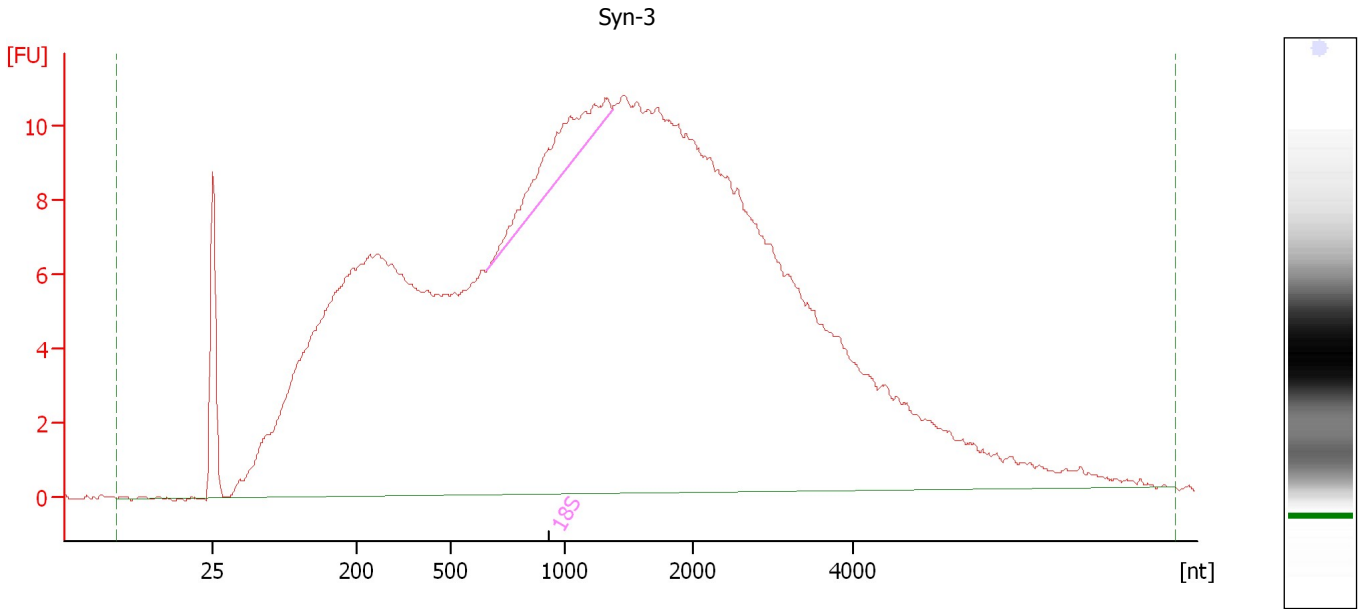
**Fragment table for sample 11 : Syn-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	657	1,246	7.7	1.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : Syn-3**

RNA Area:	512.0	RNA Integrity Number (RIN):	2.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	302 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: 2.70

**Fragment table for sample 12 : Syn-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	659	1,372	10.7	2.1



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-27\2015-05-27\_001.xad

Created: 5/27/2015 12:52:19 PM  
Modified: 5/27/2015 1:18:23 PM

**Gel Image**

