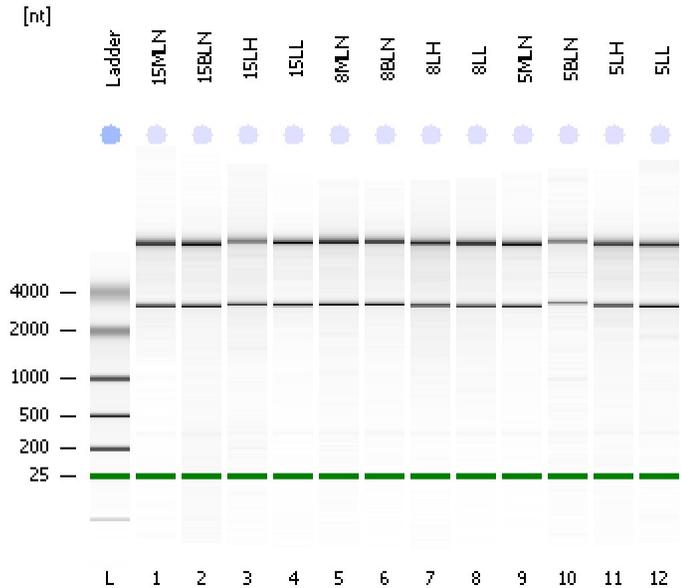


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

Electrophoresis File Run Summary



Instrument Information:

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

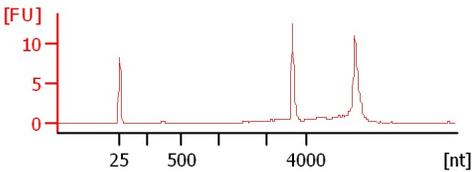
Assay Information:

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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

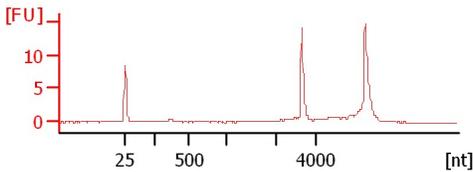
Chip Information:

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

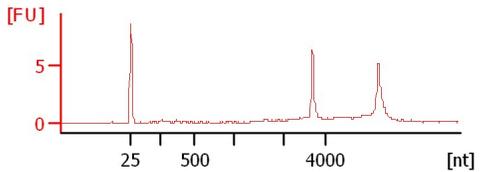
**15MLN**  
RIN: 9.30



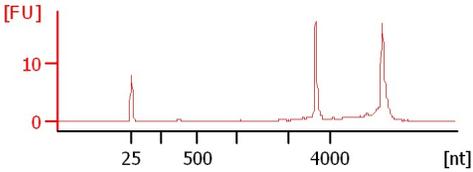
**15BLN**  
RIN: 9.30



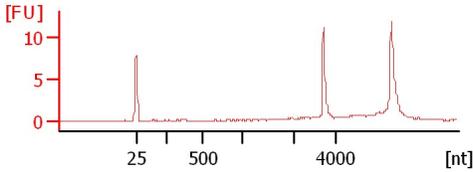
**15LH**  
RIN: 8.60



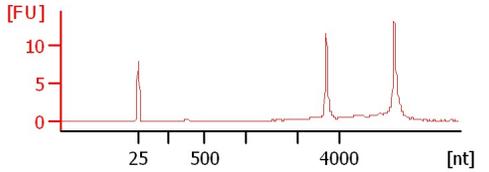
**15LL**  
RIN: 9.20



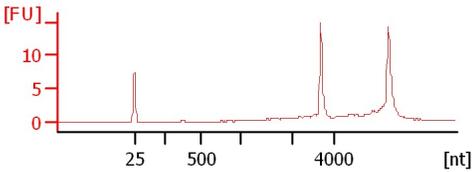
**8MLN**  
RIN: 9.10



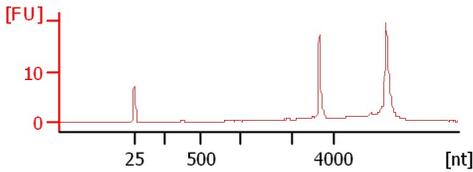
**8BLN**  
RIN: 9.10



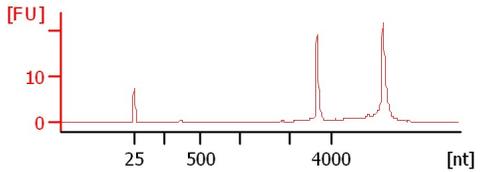
**8LH**  
RIN: 8.40



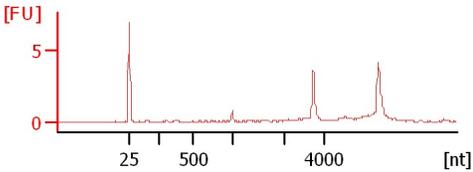
**8LL**  
RIN: 8.80



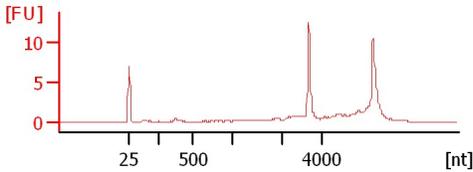
**5MLN**  
RIN: 9.70



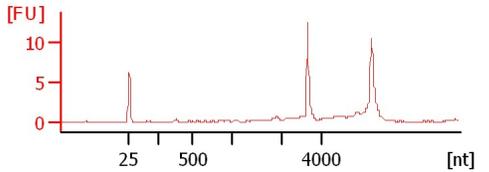
**5BLN**  
RIN: 8.60



**5LH**  
RIN: 8.50



**5LL**  
RIN: 8.60



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
 Modified: 12/4/2017 4:18:21 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
15MLN		✓	RIN: 9.30	
15BLN		✓	RIN: 9.30	
15LH		✓	RIN: 8.60	
15LL		✓	RIN: 9.20	
8MLN		✓	RIN: 9.10	
8BLN		✓	RIN: 9.10	
8LH		✓	RIN: 8.40	
8LL		✓	RIN: 8.80	
5MLN		✓	RIN: 9.70	
5BLN		✓	RIN: 8.60	
5LH		✓	RIN: 8.50	
5LL		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 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

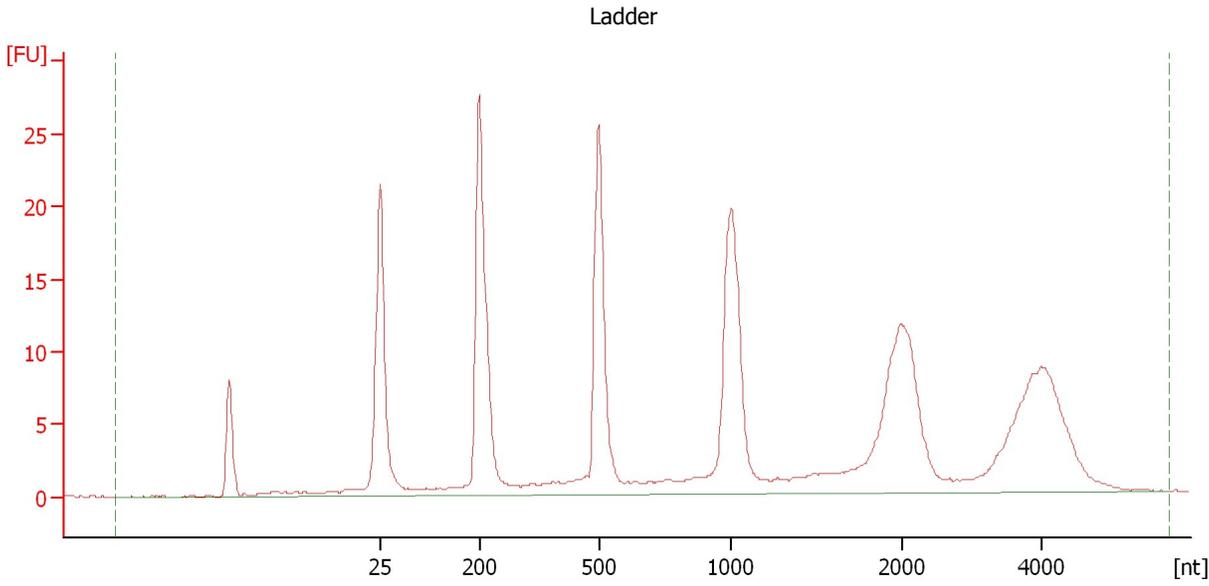
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary**



**Overall Results for Ladder**

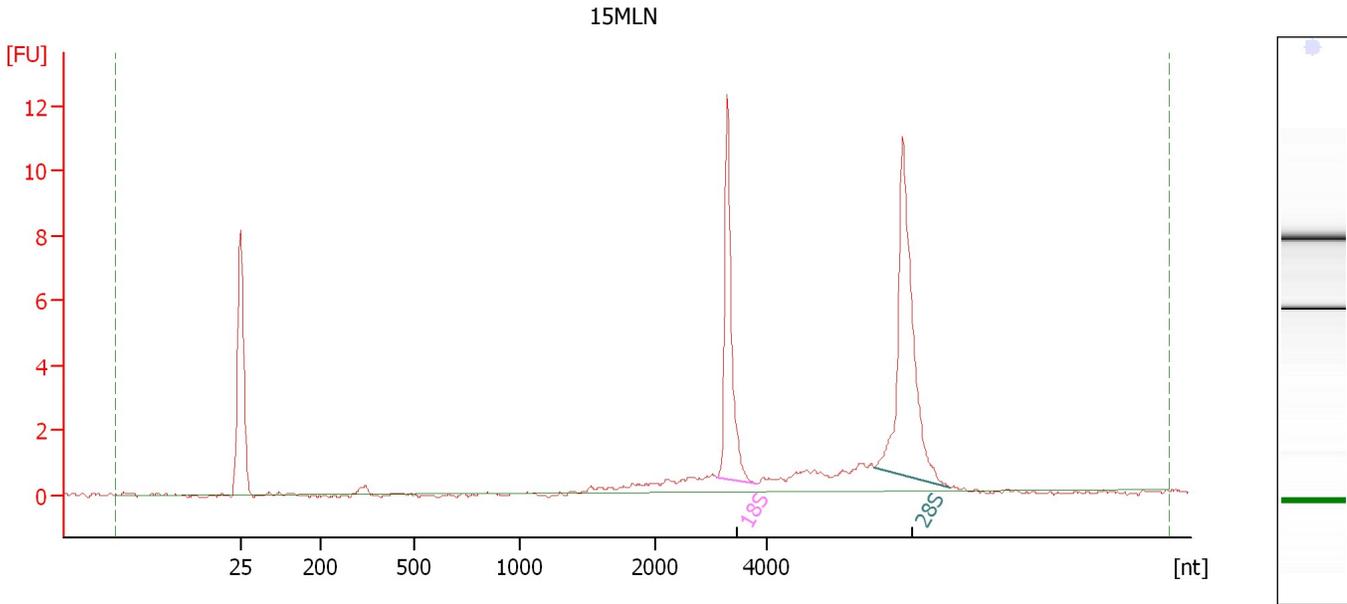
RNA Area: 238.6  
RNA Concentration: 150 ng/μl

Result Flagging Color:   
Result Flagging Label: All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 15MLN**

RNA Area: 38.3                      RNA Integrity Number (RIN): 9.3 (B.02.08)  
RNA Concentration: 24 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5                      Result Flagging Label: RIN: 9.30

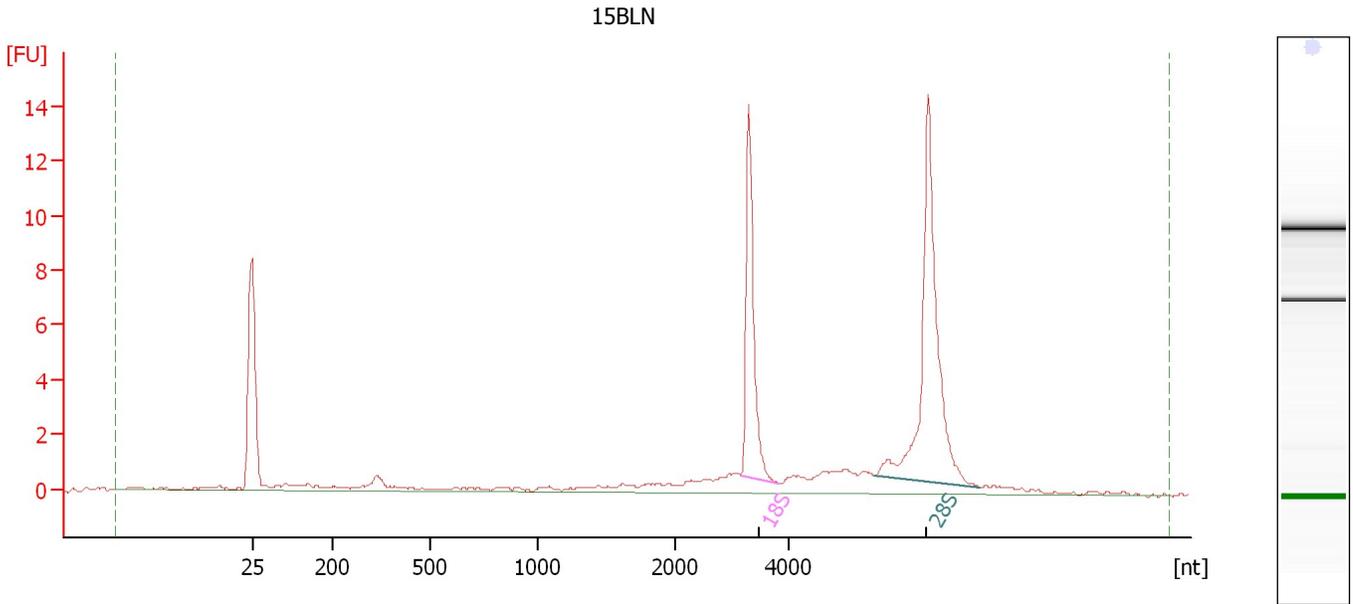
**Fragment table for sample 1 : 15MLN**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,110	3,840	9.3	24.3
28S	5,954	7,318	14.4	37.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 15BLN**

RNA Area: 56.2                      RNA Integrity Number (RIN): 9.3 (B.02.08)  
RNA Concentration: 35 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8              Result Flagging Label: RIN: 9.30

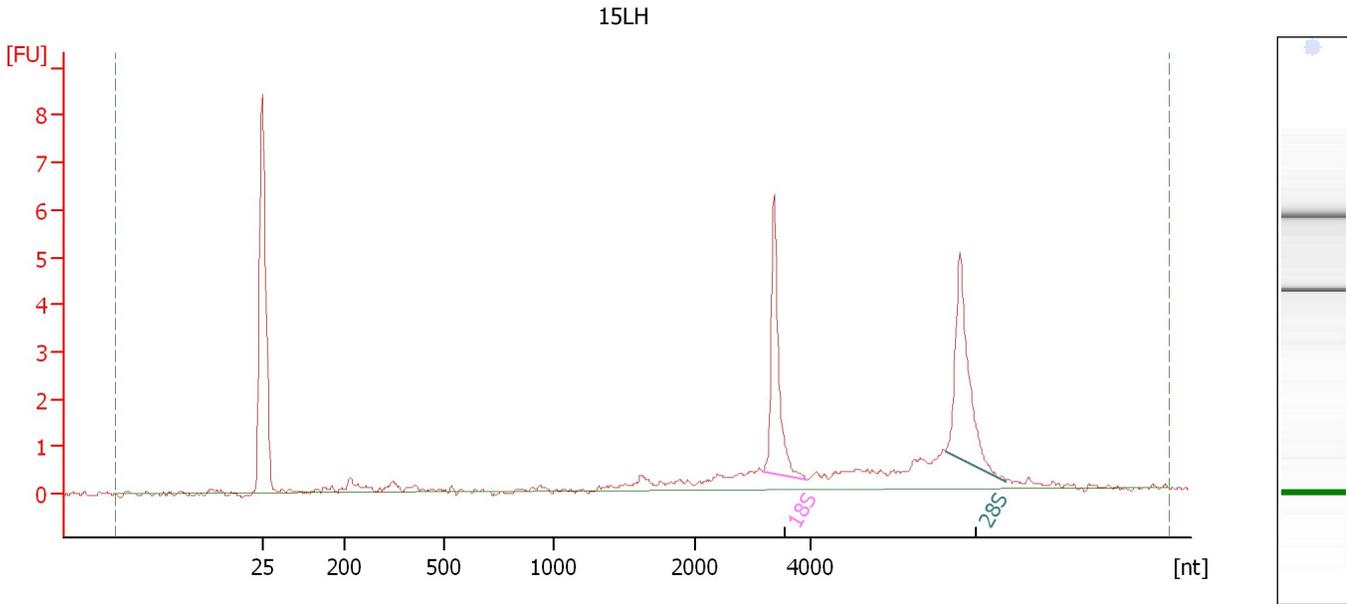
**Fragment table for sample 2 : 15BLN**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,134	3,830	10.6	18.9
28S	5,504	7,384	19.4	34.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



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

RNA Area: 24.9                      RNA Integrity Number (RIN): 8.6 (B.02.08)  
RNA Concentration: 16 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.1              Result Flagging Label: RIN: 8.60

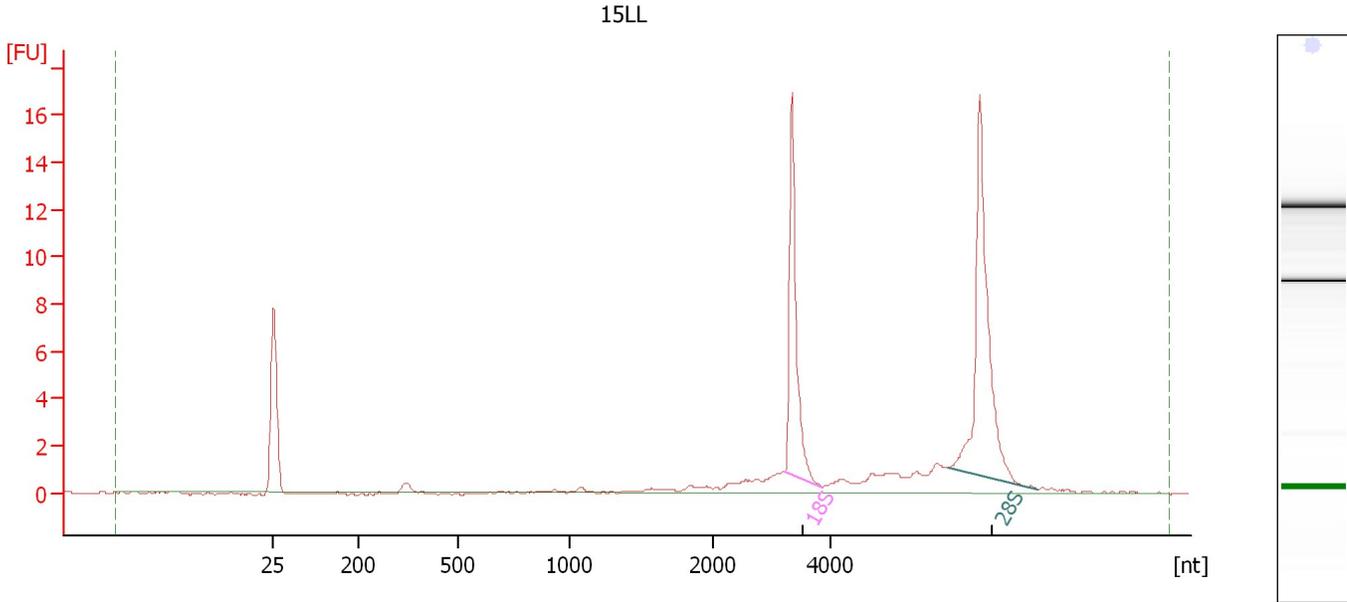
**Fragment table for sample 3 : 15LH**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,174	3,949	4.9	19.5
28S	6,347	7,380	5.1	20.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 15LL**

RNA Area: 50.1                      RNA Integrity Number (RIN): 9.2 (B.02.08)  
RNA Concentration: 32 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5              Result Flagging Label: RIN: 9.20

**Fragment table for sample 4 : 15LL**

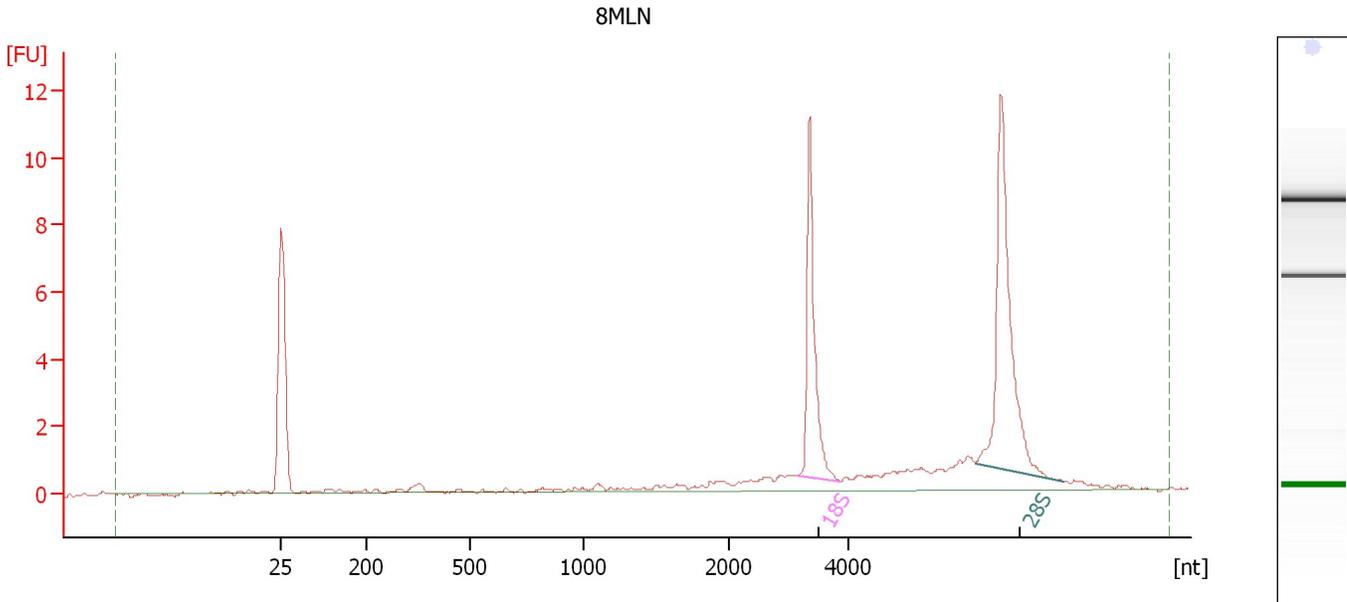
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,212	3,845	11.7	23.4
28S	5,982	7,521	17.7	35.3



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 8MLN**

RNA Area:	38.7	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	24 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]:	1.6	Result Flagging Label:	RIN: 9.10

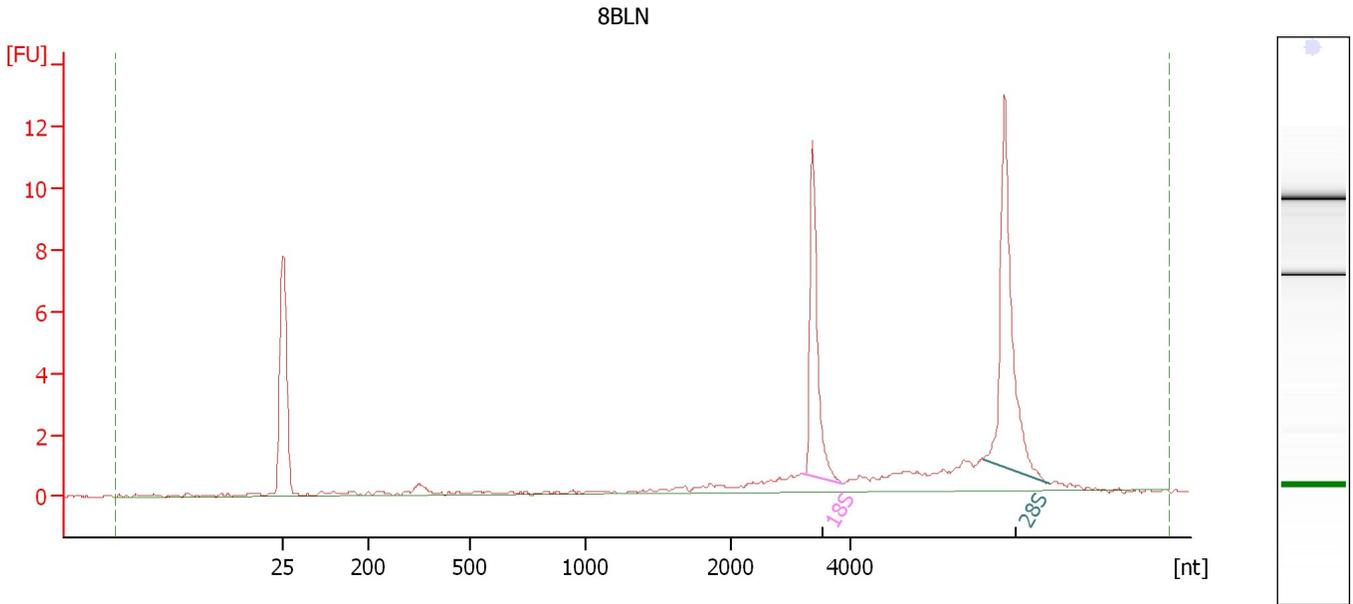
**Fragment table for sample 5 : 8MLN**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,156	3,887	8.2	21.1
28S	6,135	7,633	12.9	33.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 8BLN**

RNA Area: 39.4                      RNA Integrity Number (RIN): 9.1 (B.02.08)  
RNA Concentration: 25 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5                      Result Flagging Label: RIN: 9.10

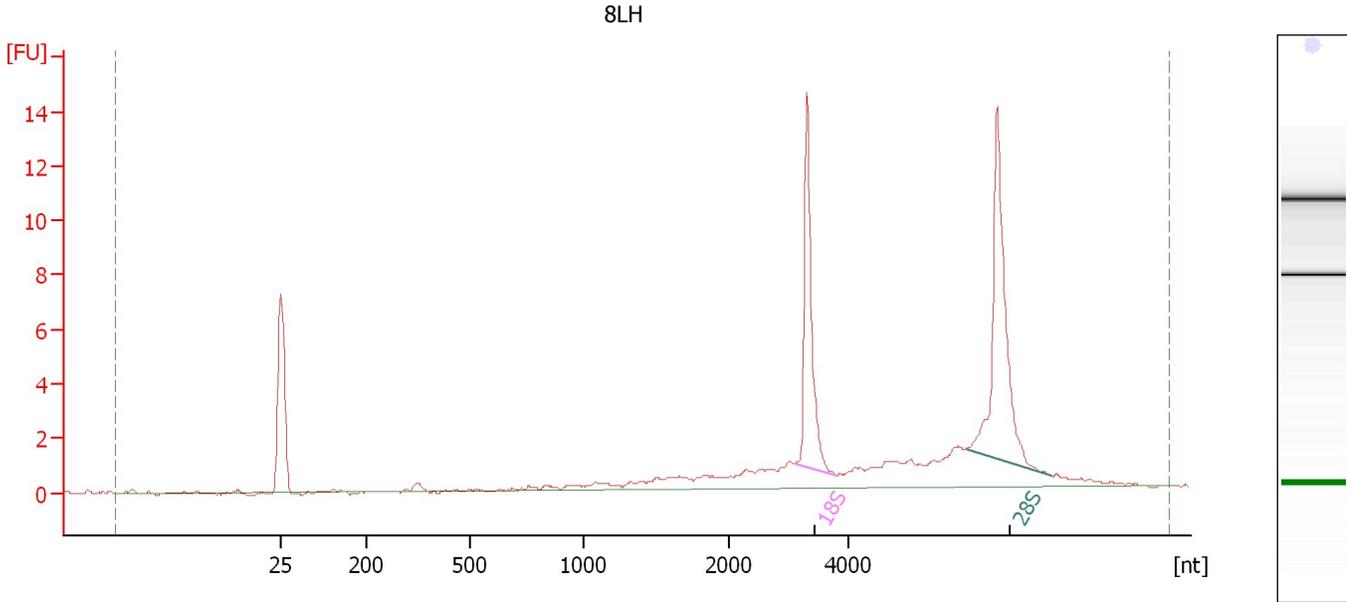
**Fragment table for sample 6 : 8BLN**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,211	3,888	8.0	20.3
28S	6,238	7,342	11.6	29.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 8LH**

RNA Area: 55.4                      RNA Integrity Number (RIN): 8.4 (B.02.08)  
RNA Concentration: 35 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4                      Result Flagging Label: RIN: 8.40

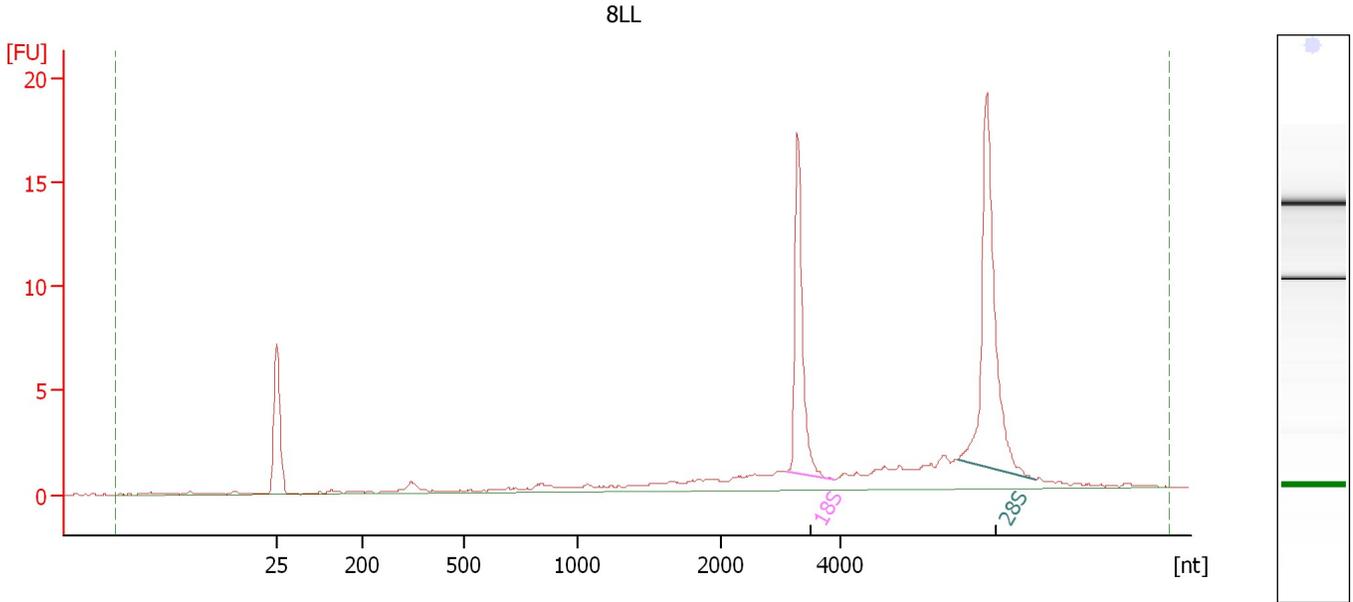
**Fragment table for sample 7 : 8LH**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,102	3,798	10.5	18.9
28S	6,010	7,419	14.2	25.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 8LL**

RNA Area: 67.5                      RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 42 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6              Result Flagging Label: RIN: 8.80

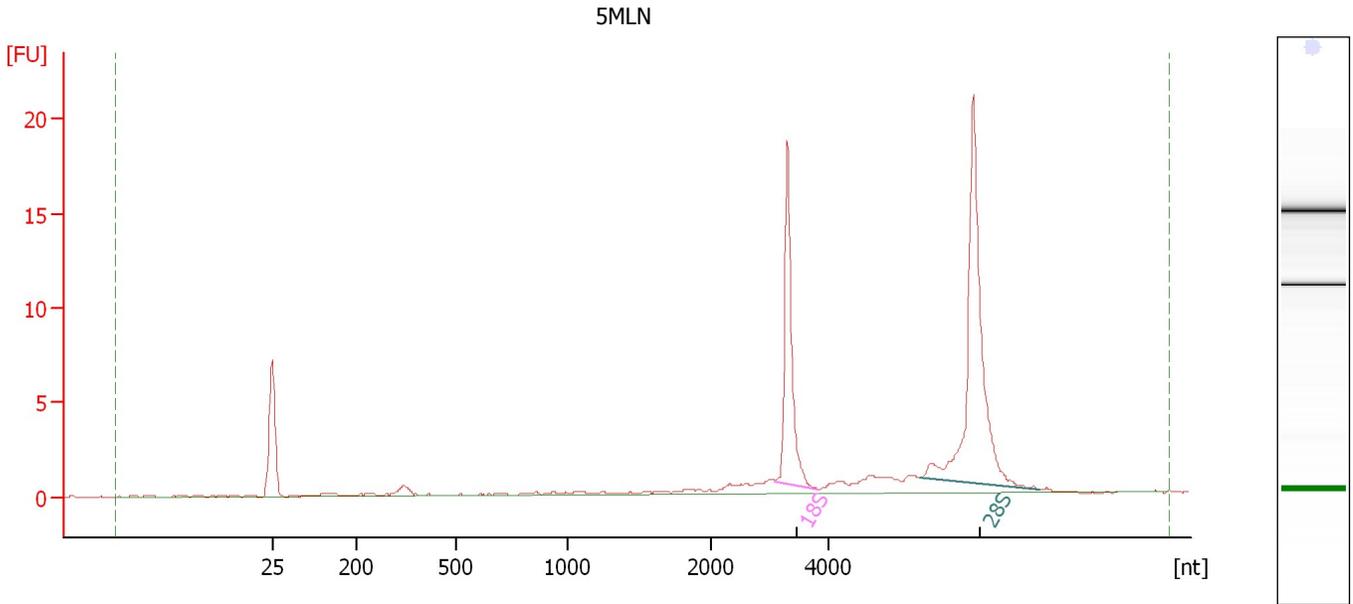
**Fragment table for sample 8 : 8LL**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,094	3,902	12.3	18.3
28S	5,987	7,317	20.2	30.0

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 5MLN**

RNA Area: 57.2                      RNA Integrity Number (RIN): 9.7 (B.02.08)  
RNA Concentration: 36 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8              Result Flagging Label: RIN: 9.70

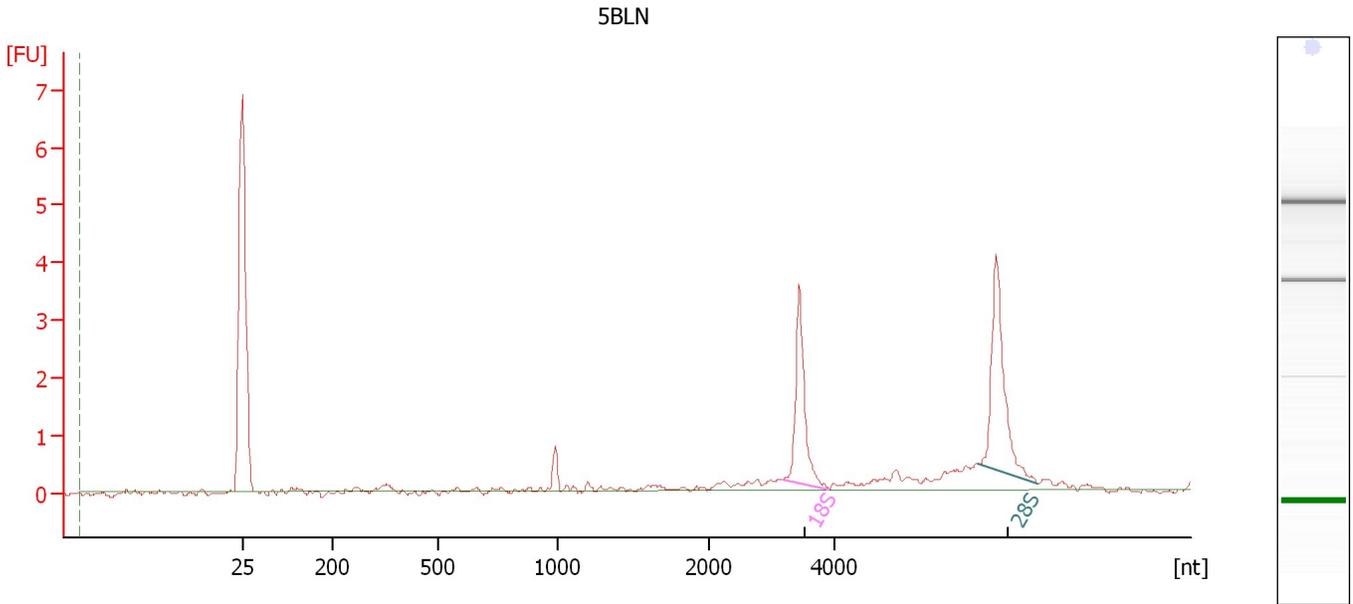
**Fragment table for sample 9 : 5MLN**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,083	3,808	13.5	23.7
28S	5,568	7,581	24.9	43.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 5BLN**

RNA Area: 14.4                      RNA Integrity Number (RIN): 8.6 (B.02.08)  
RNA Concentration: 9 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 8.60

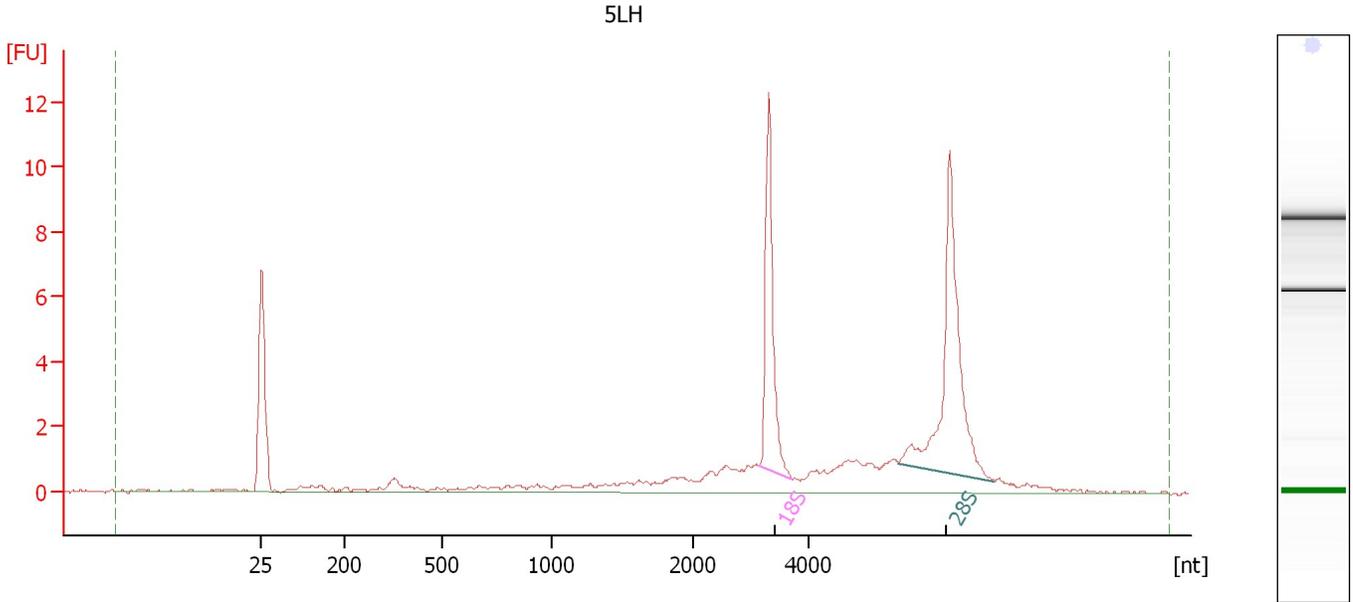
**Fragment table for sample 10 : 5BLN**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,164	3,914	3.0	20.7
28S	6,313	7,265	3.8	26.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 5LH**

RNA Area: 50.7                      RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 32 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6              Result Flagging Label: RIN: 8.50

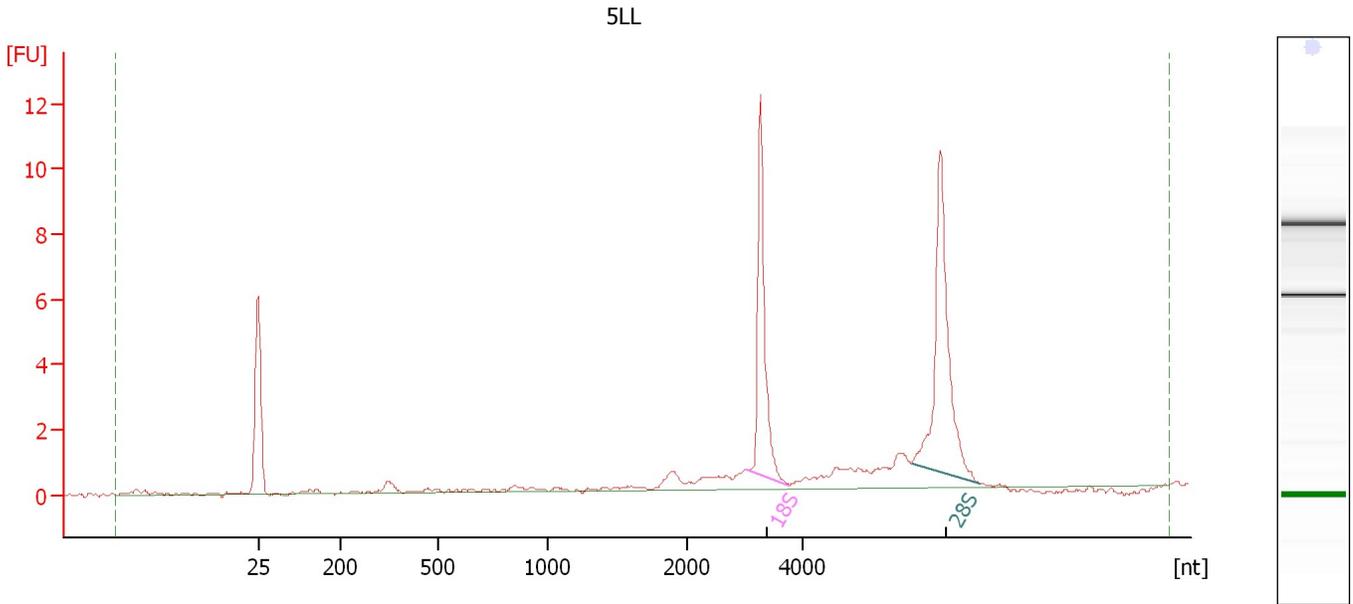
**Fragment table for sample 11 : 5LH**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,135	3,726	8.8	17.3
28S	5,575	7,238	13.8	27.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : 5LL**

RNA Area: 37.0                      RNA Integrity Number (RIN): 8.6 (B.02.08)  
RNA Concentration: 23 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3              Result Flagging Label: RIN: 8.60

**Fragment table for sample 12 : 5LL**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,054	3,779	8.7	23.4
28S	5,917	7,106	11.5	31.0



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04\_005.xad

Created: 12/4/2017 3:44:56 PM  
Modified: 12/4/2017 4:18:21 PM

**Gel Image**

