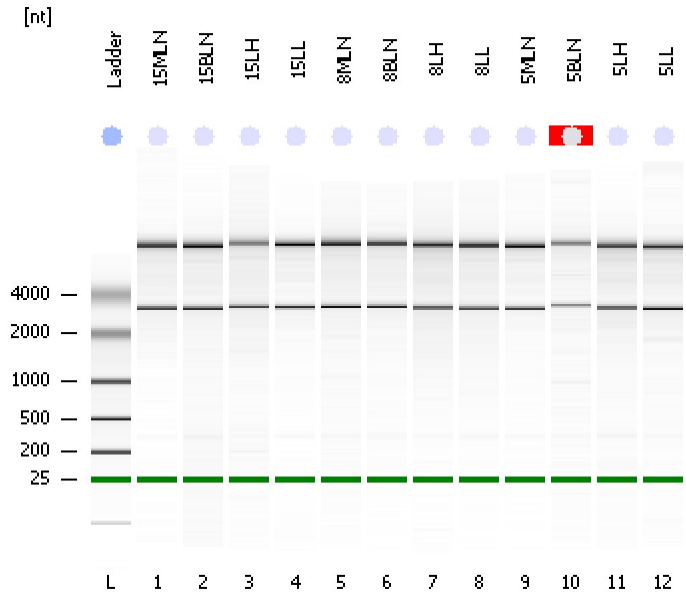


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_005.xad

Created: 12/4/2017 3:44:56 PM
Modified: 12/4/2017 4:07:58 PM

Electrophoresis File Run Summary



Instrument Information:

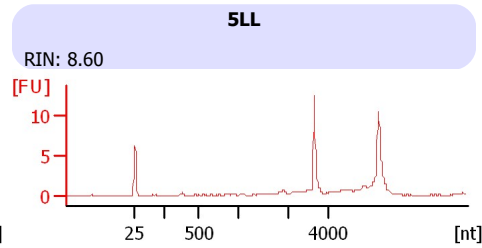
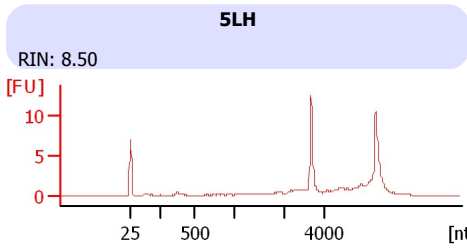
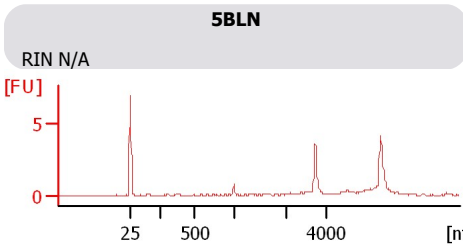
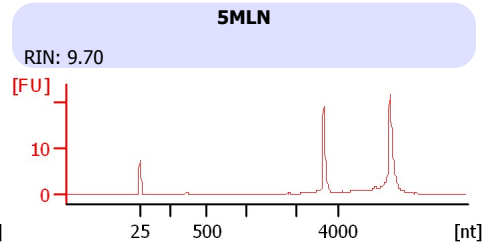
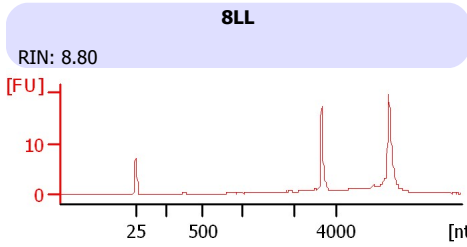
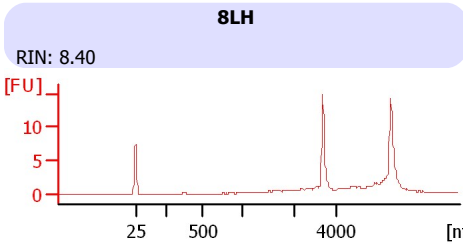
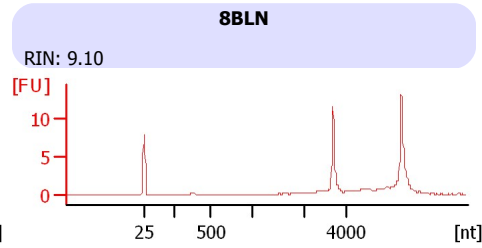
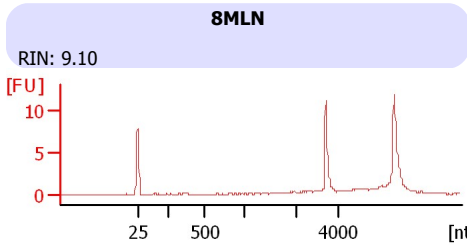
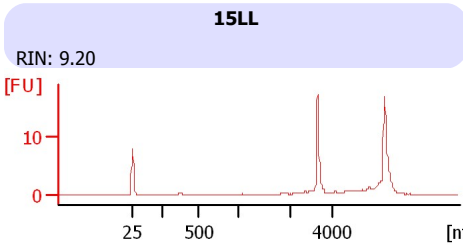
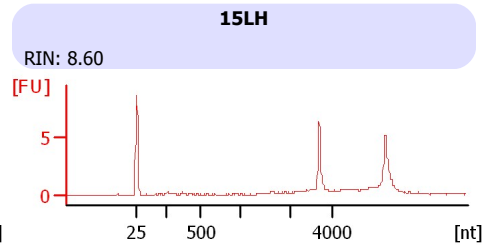
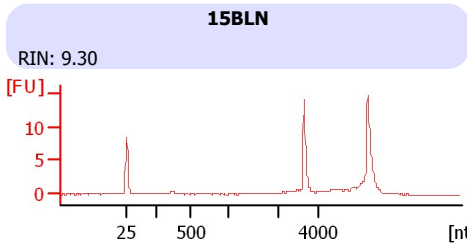
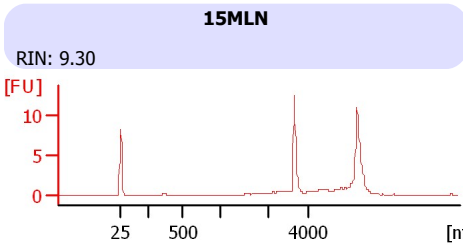
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_005.xad

Created: 12/4/2017 3:44:56 PM
 Modified: 12/4/2017 4:07:58 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 N/A	
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 4:07:58 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

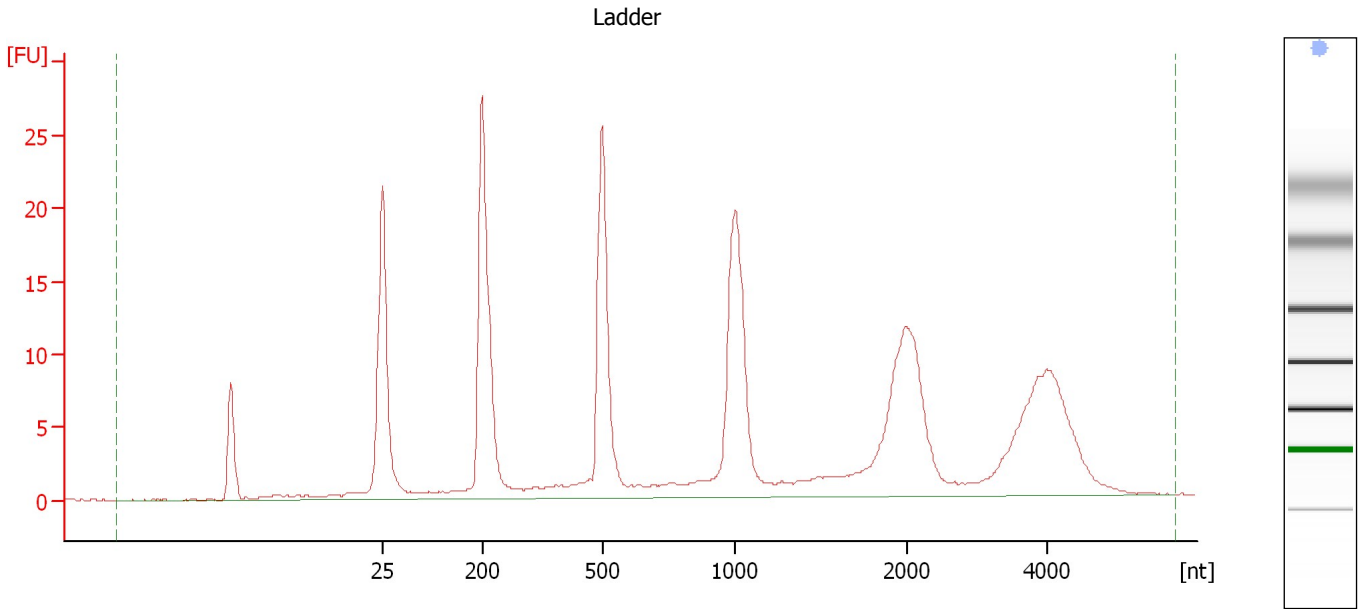
Ladder

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

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

Created: 12/4/2017 3:44:56 PM
Modified: 12/4/2017 4:07:58 PM

Electropherogram Summary



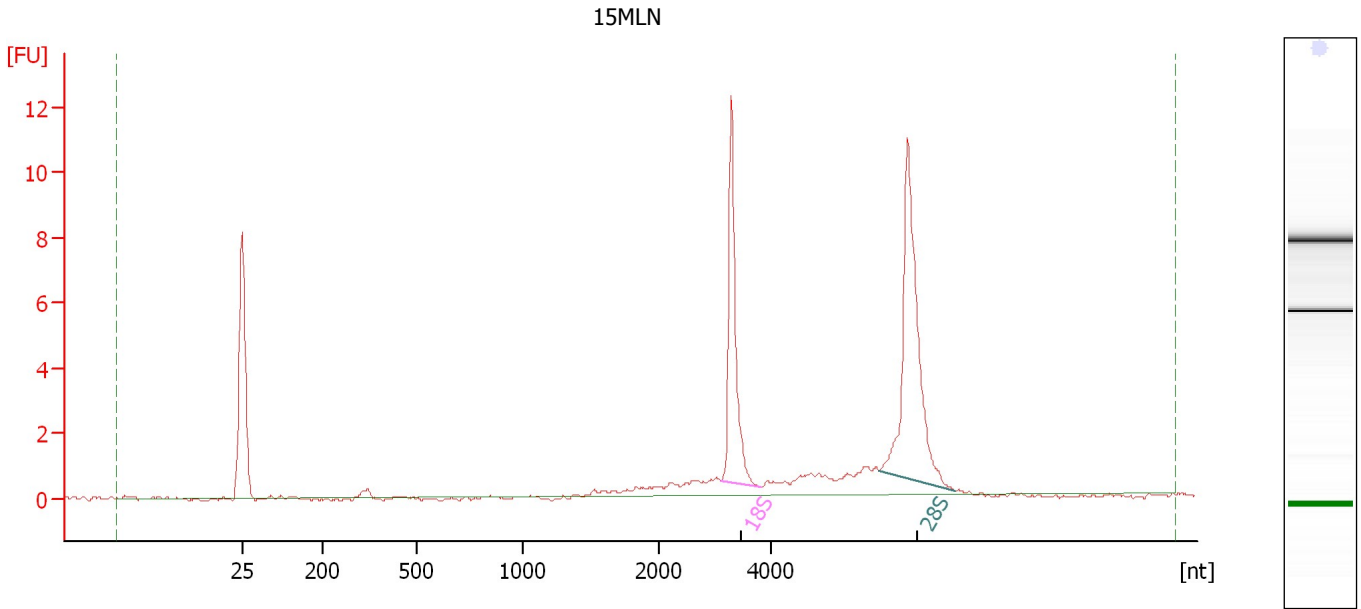
Overall Results for Ladder

RNA Area:	238.6	Result Flagging Color:	
RNA Concentration:	150 ng/μl	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 4:07:58 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

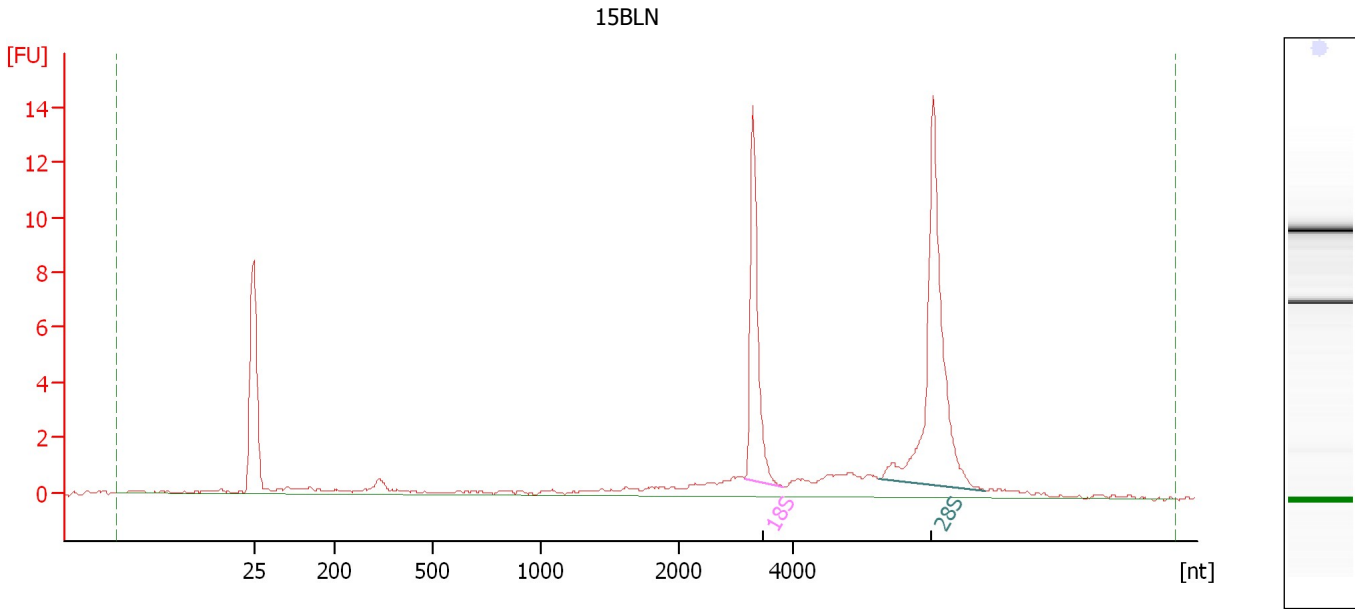
Fragment table for sample 1 : 15MLN

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 4:07:58 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

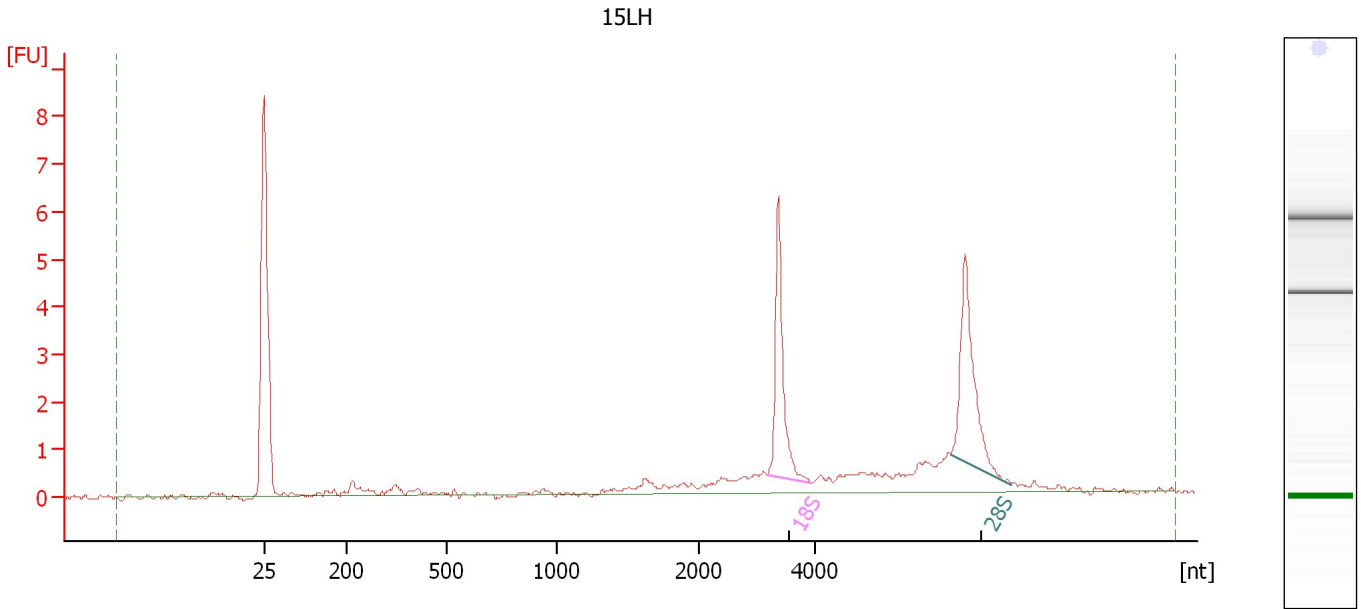
Fragment table for sample 2 : 15BLN

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 4:07:58 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

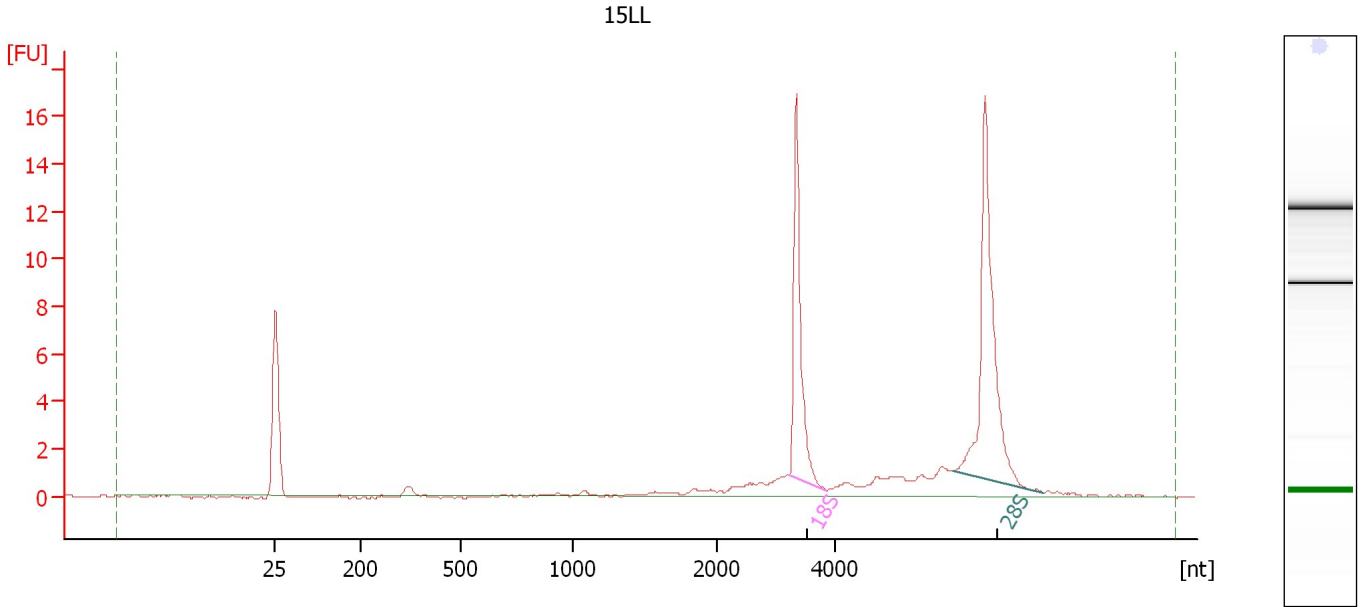
Fragment table for sample 3 : 15LH

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 4:07:58 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

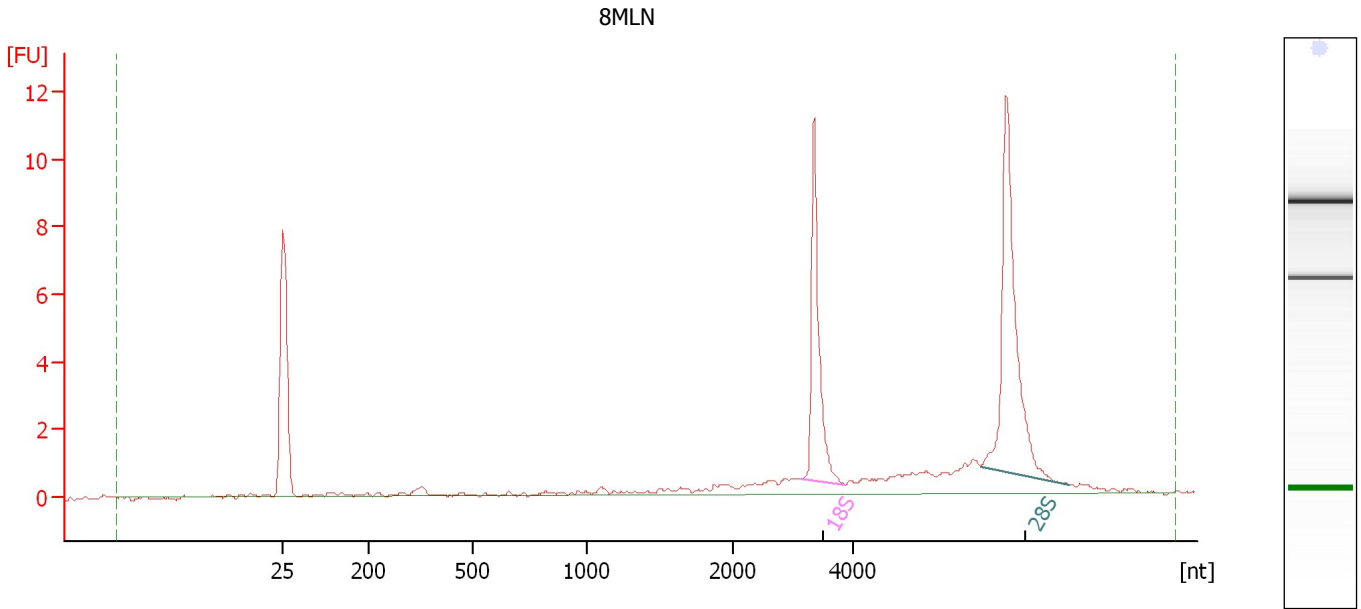
Fragment table for sample 4 : 15LL

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 4:07:58 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:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.10

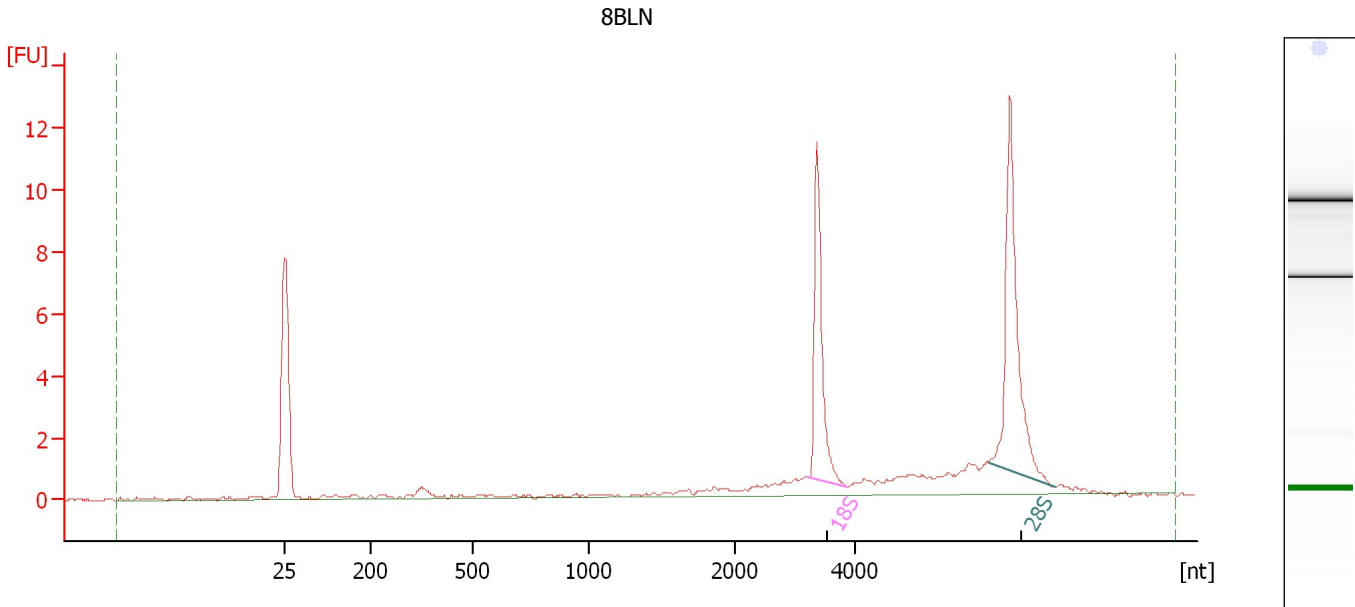
Fragment table for sample 5 : 8MLN

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 4:07:58 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

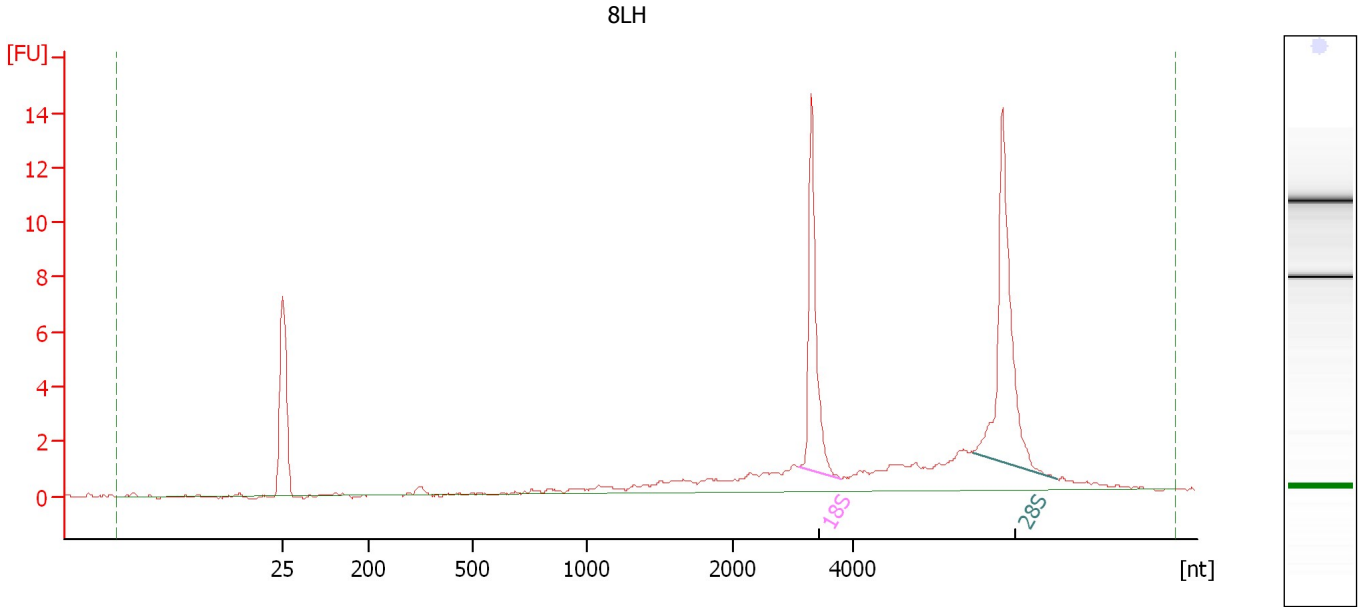
Fragment table for sample 6 : 8BLN

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 4:07:58 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

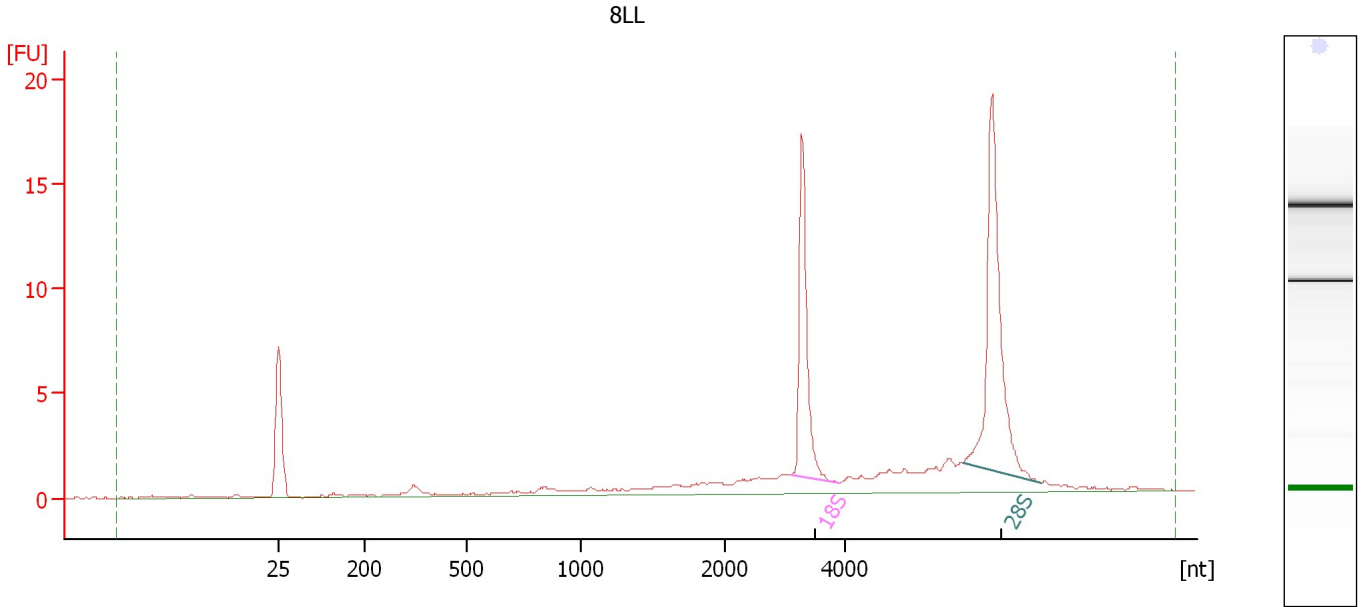
Fragment table for sample 7 : 8LH

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 4:07:58 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

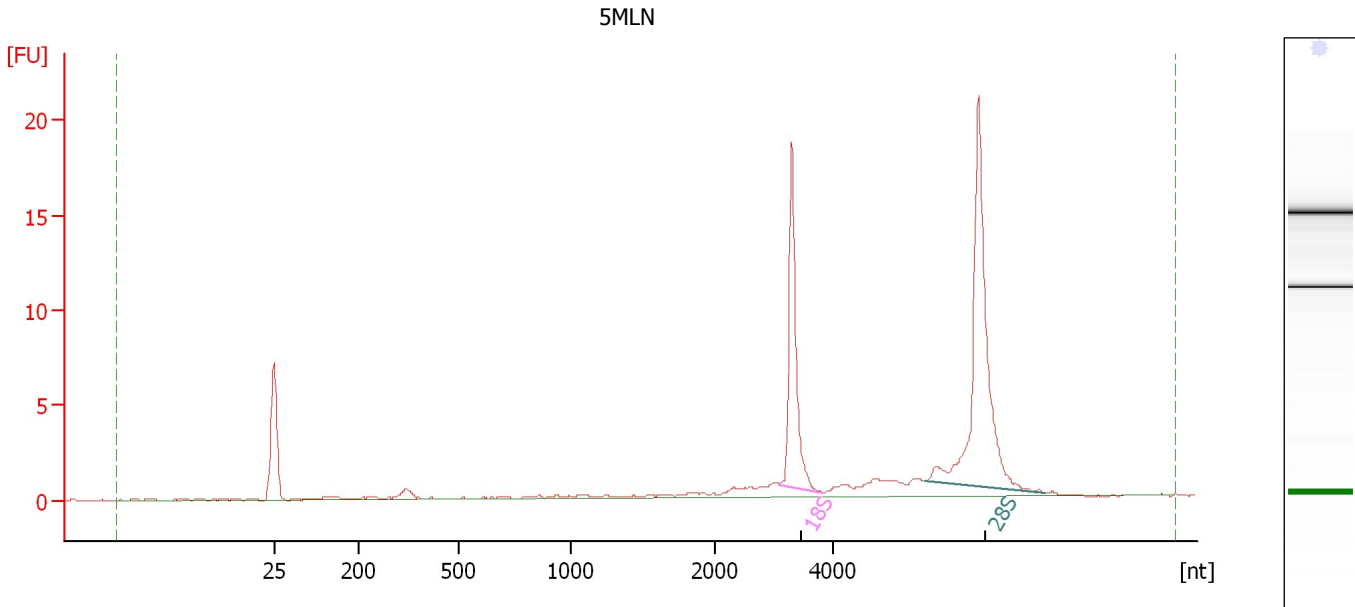
Fragment table for sample 8 : 8LL

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 4:07:58 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

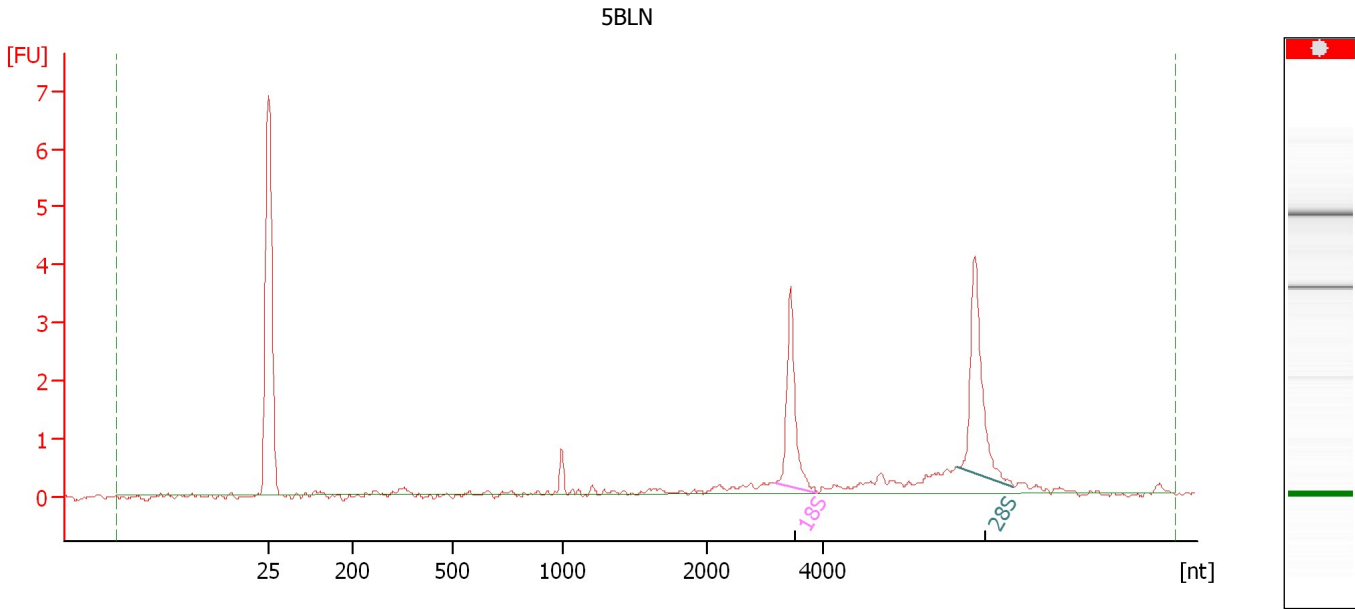
Fragment table for sample 9 : 5MLN

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 4:07:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 5BLN

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

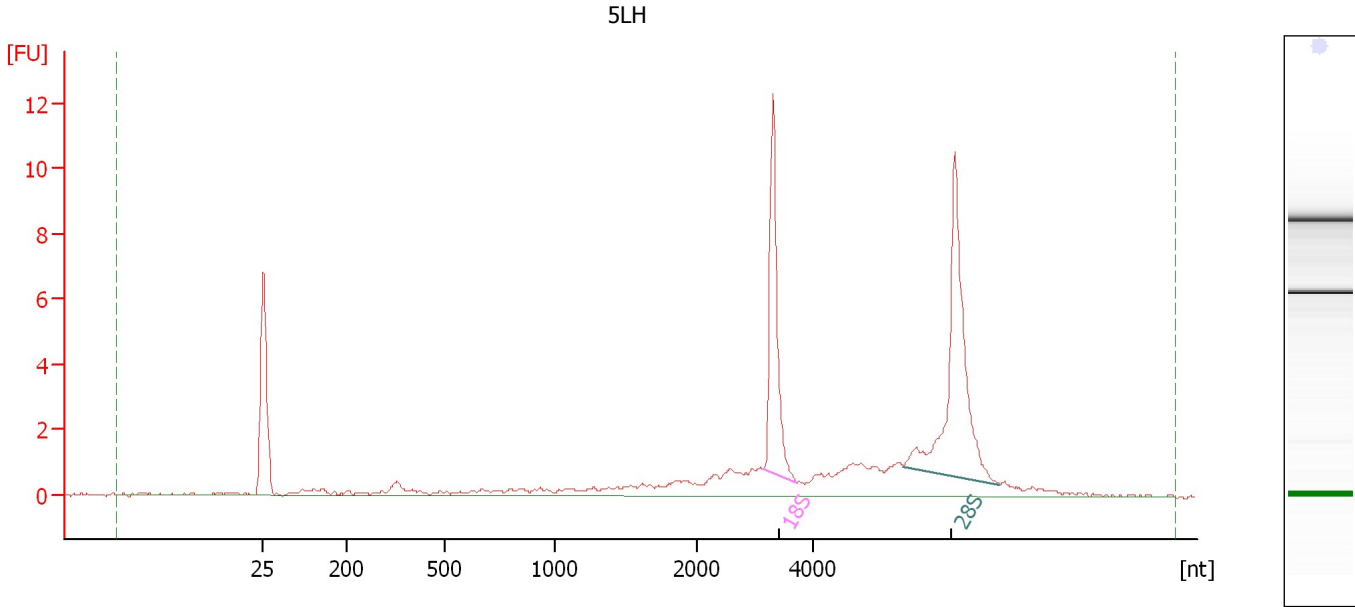
Fragment table for sample 10 : 5BLN

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 4:07:58 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

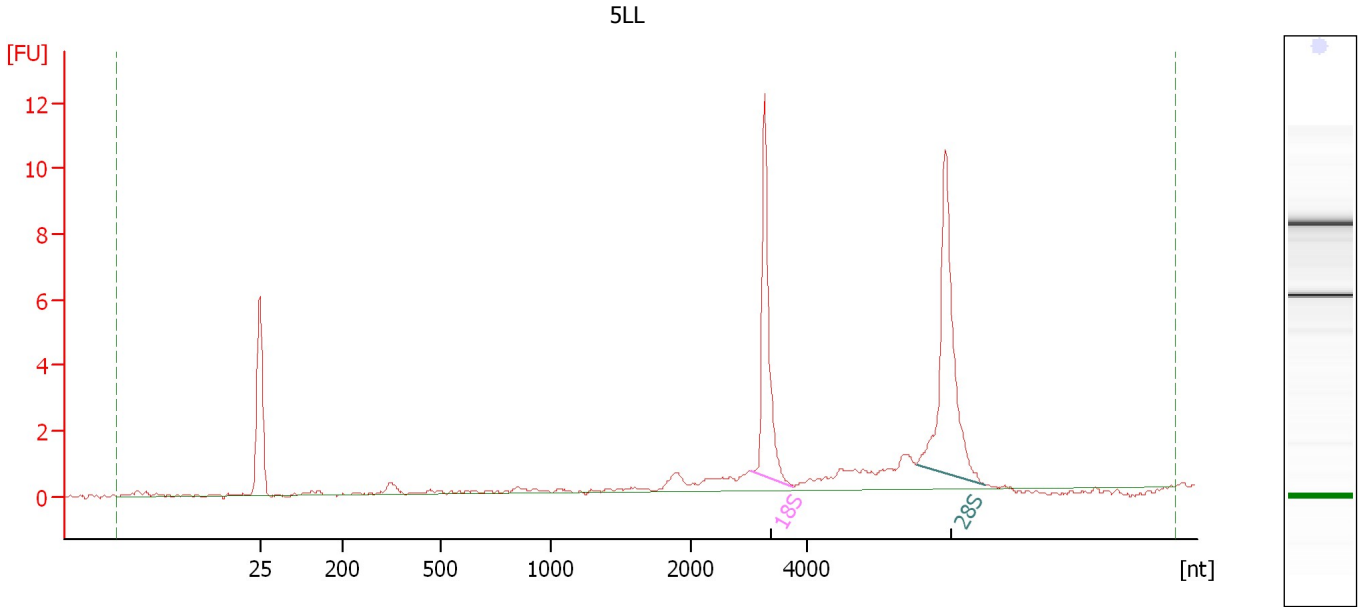
Fragment table for sample 11 : 5LH

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 4:07:58 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 4:07:58 PM

Gel Image

