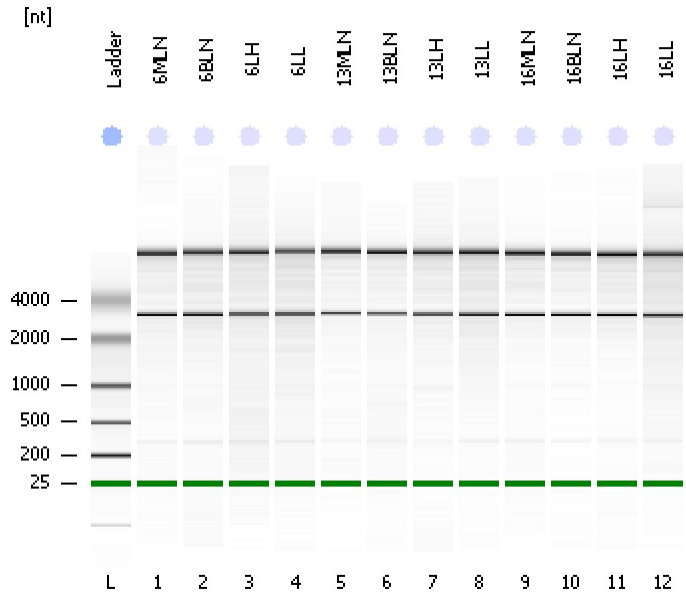


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

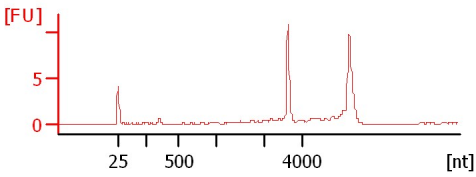
Assay Information:

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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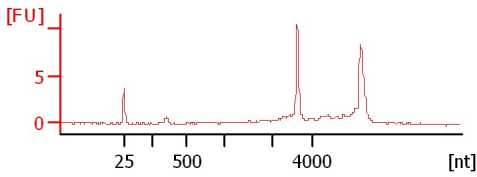
Chip Information:

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

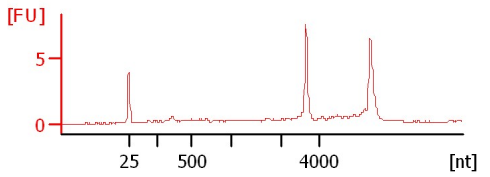
6MLN
RIN: 8.70



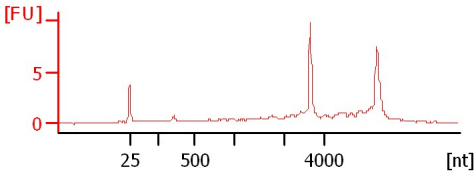
6BLN
RIN: 8.20



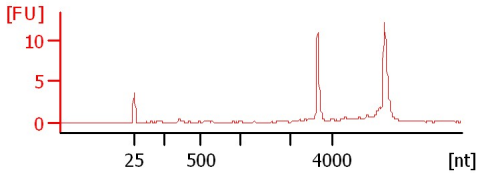
6LH
RIN: 7.70



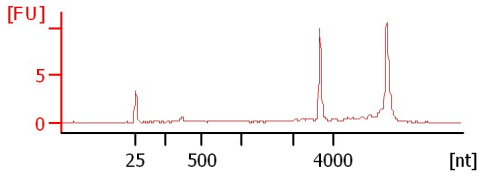
6LL
RIN: 7.10



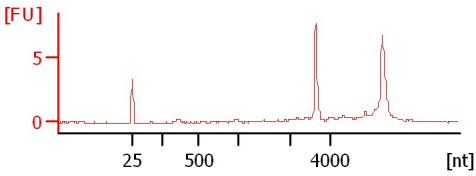
13MLN
RIN: 9.50



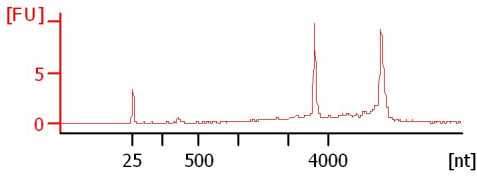
13BLN
RIN: 8.20



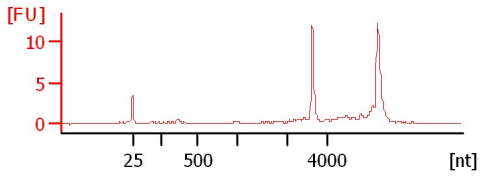
13LH
RIN: 8.70



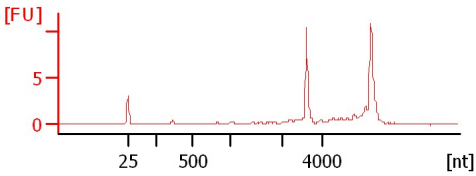
13LL
RIN: 8.10



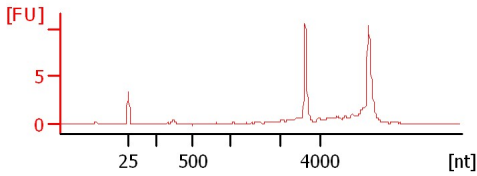
16MLN
RIN: 8.90



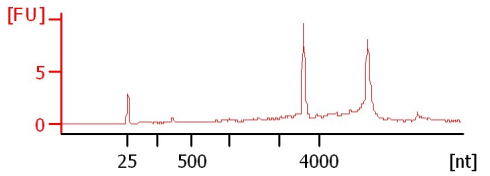
16BLN
RIN: 9.30



16LH
RIN: 8.90



16LL
RIN: 8



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
 Modified: 12/4/2017 2:39:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
6MLN		✓	RIN: 8.70	
6BLN		✓	RIN: 8.20	
6LH		✓	RIN: 7.70	
6LL		✓	RIN: 7.10	
13MLN		✓	RIN: 9.50	
13BLN		✓	RIN: 8.20	
13LH		✓	RIN: 8.70	
13LL		✓	RIN: 8.10	
16MLN		✓	RIN: 8.90	
16BLN		✓	RIN: 9.30	
16LH		✓	RIN: 8.90	
16LL		✓	RIN:8	
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_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 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

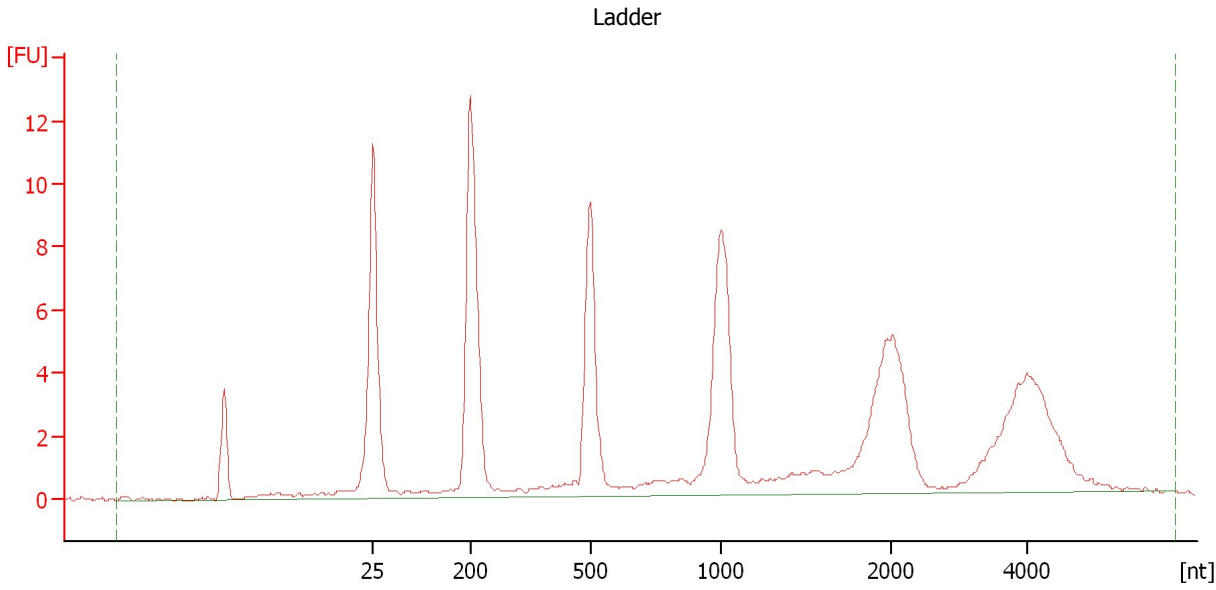
Ladder

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_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary



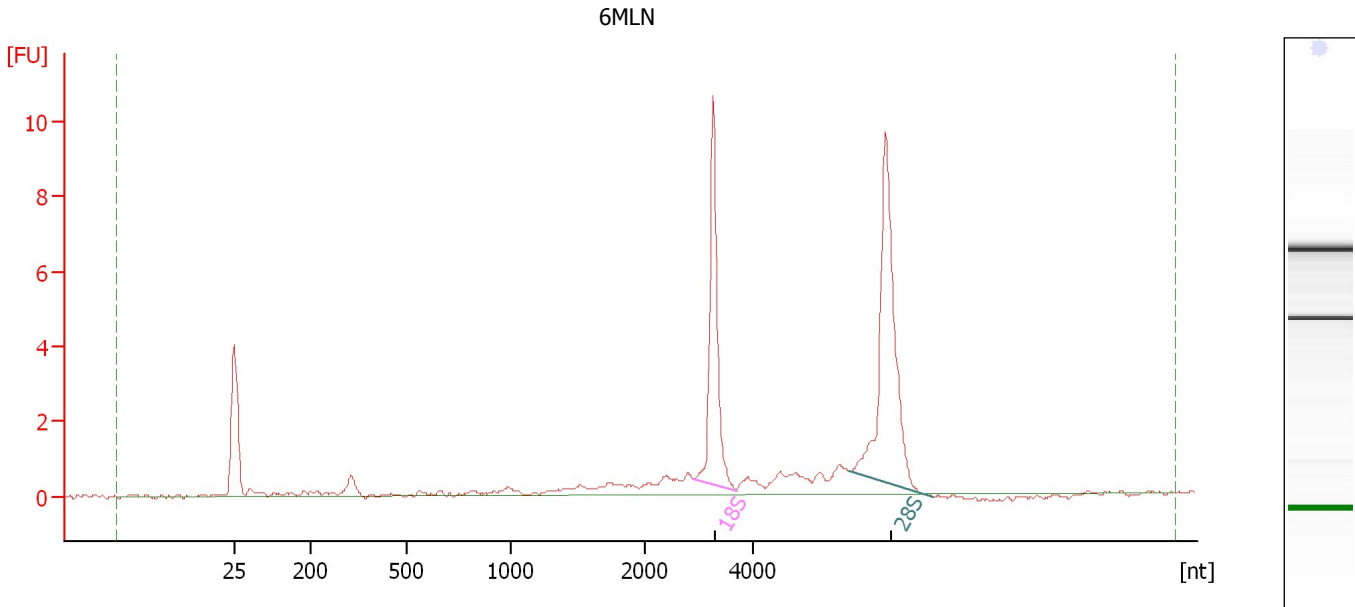
Overall Results for Ladder

RNA Area:	106.8	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_003.xad

Created: 12/4/2017 2:16:02 PM
 Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 6MLN

RNA Area:	37.1	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	52 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.70

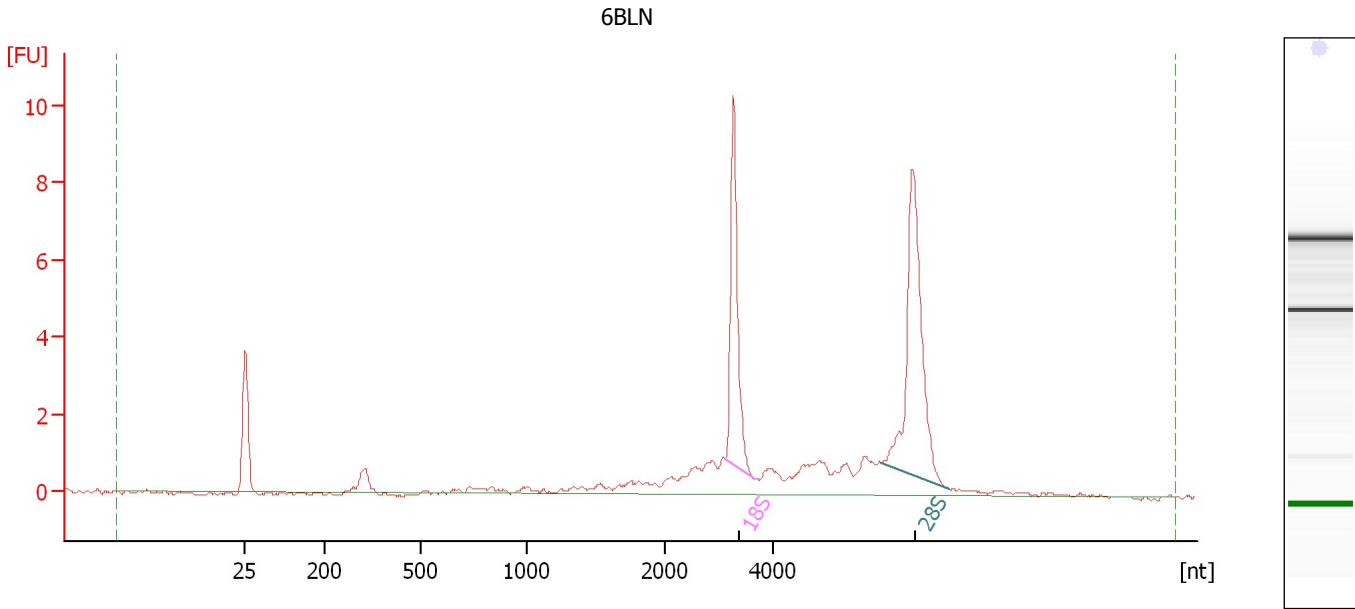
Fragment table for sample 1 : 6MLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,881	3,701	8.7	23.4
28S	5,821	7,361	13.1	35.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
 Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 6BLN

RNA Area:	38.7	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.20

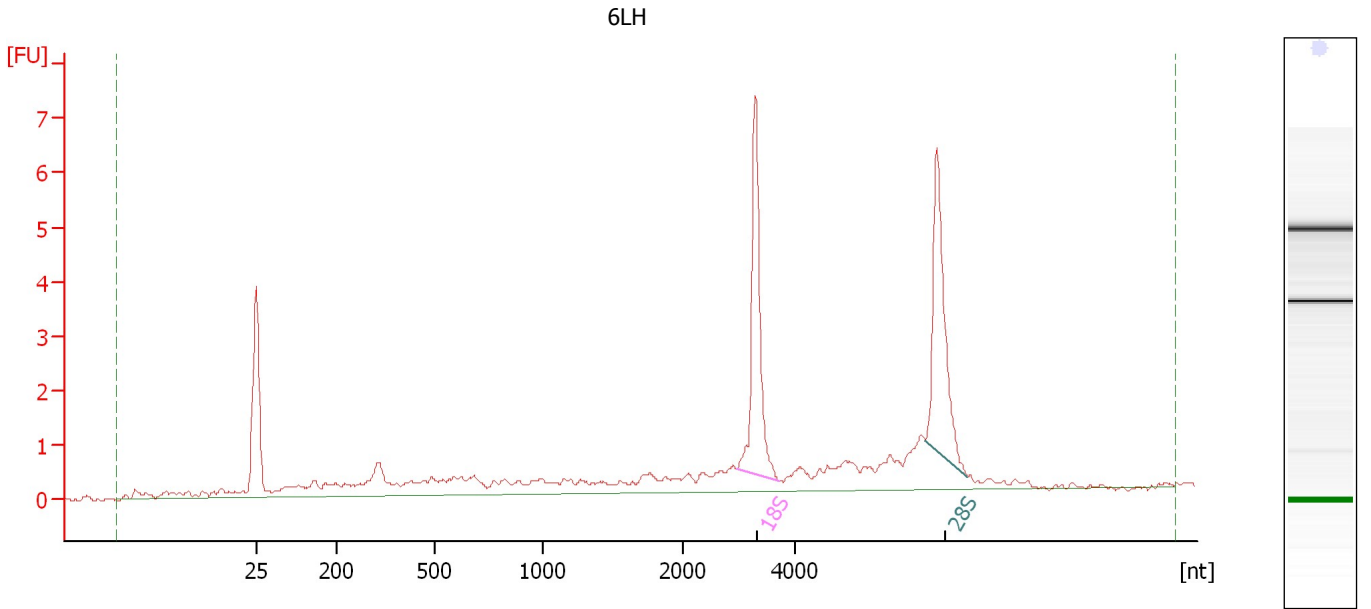
Fragment table for sample 2 : 6BLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,105	3,654	7.5	19.4
28S	5,968	7,223	11.0	28.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
 Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 6LH

RNA Area:	38.6	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.70

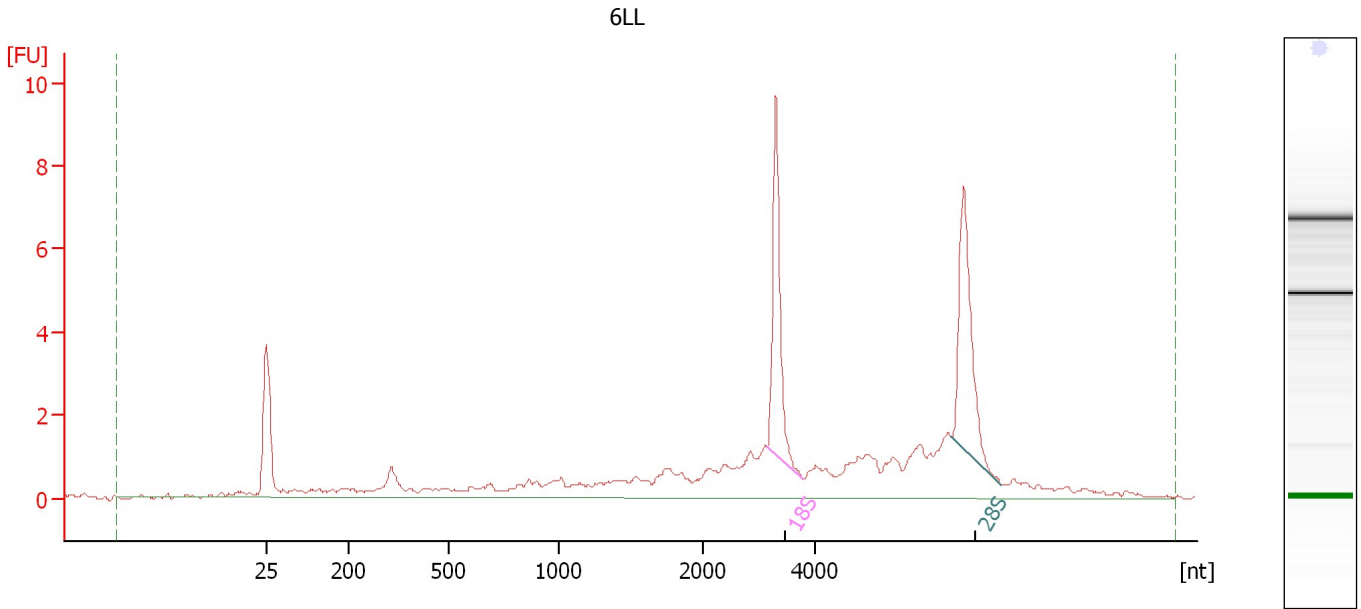
Fragment table for sample 3 : 6LH

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,955	3,724	5.9	15.3
28S	6,359	7,109	5.9	15.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 6LL

RNA Area: 52.5 RNA Integrity Number (RIN): 7.1 (B.02.08)
RNA Concentration: 74 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.10

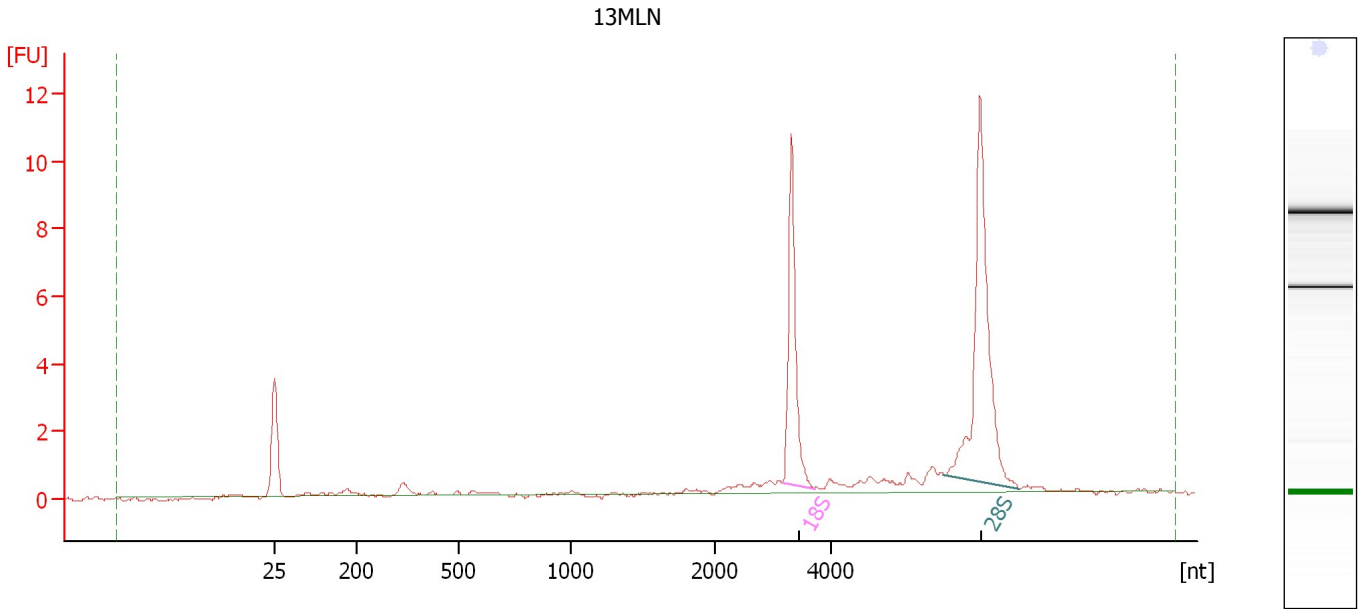
Fragment table for sample 4 : 6LL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,131	3,773	6.8	12.9
28S	6,377	7,263	6.9	13.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 13MLN

RNA Area: 32.0 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 45 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.50

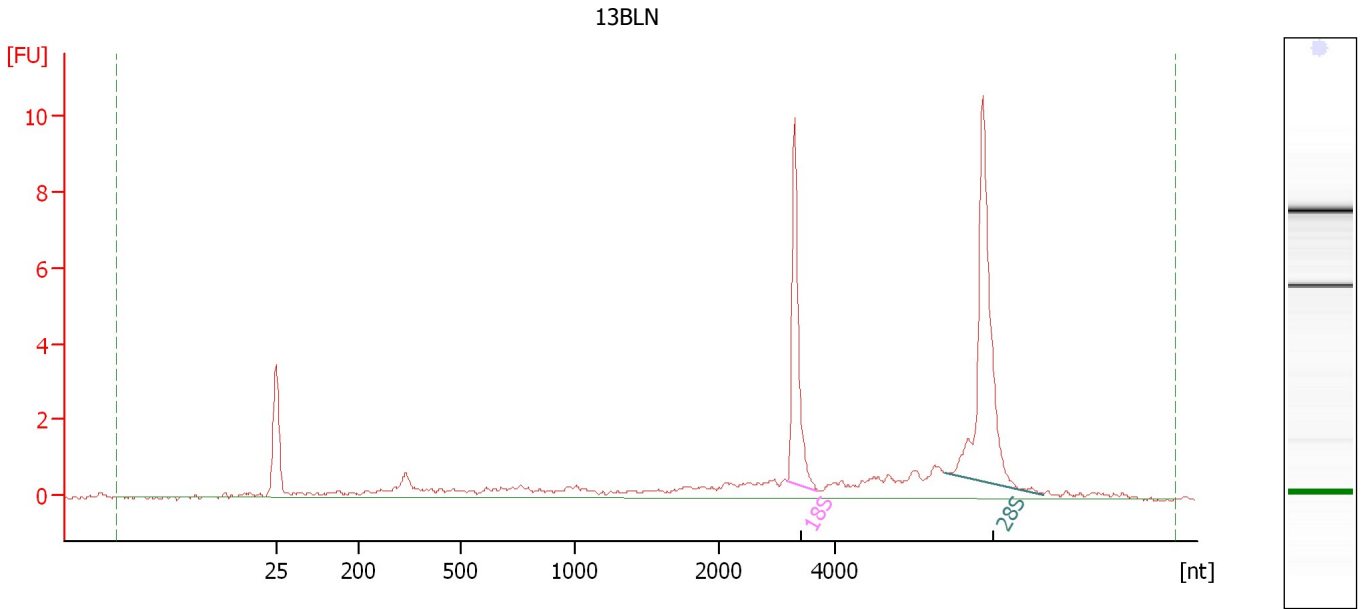
Fragment table for sample 5 : 13MLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,165	3,724	7.7	23.9
28S	5,977	7,299	13.4	41.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 13BLN

RNA Area:	41.1	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	58 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.20

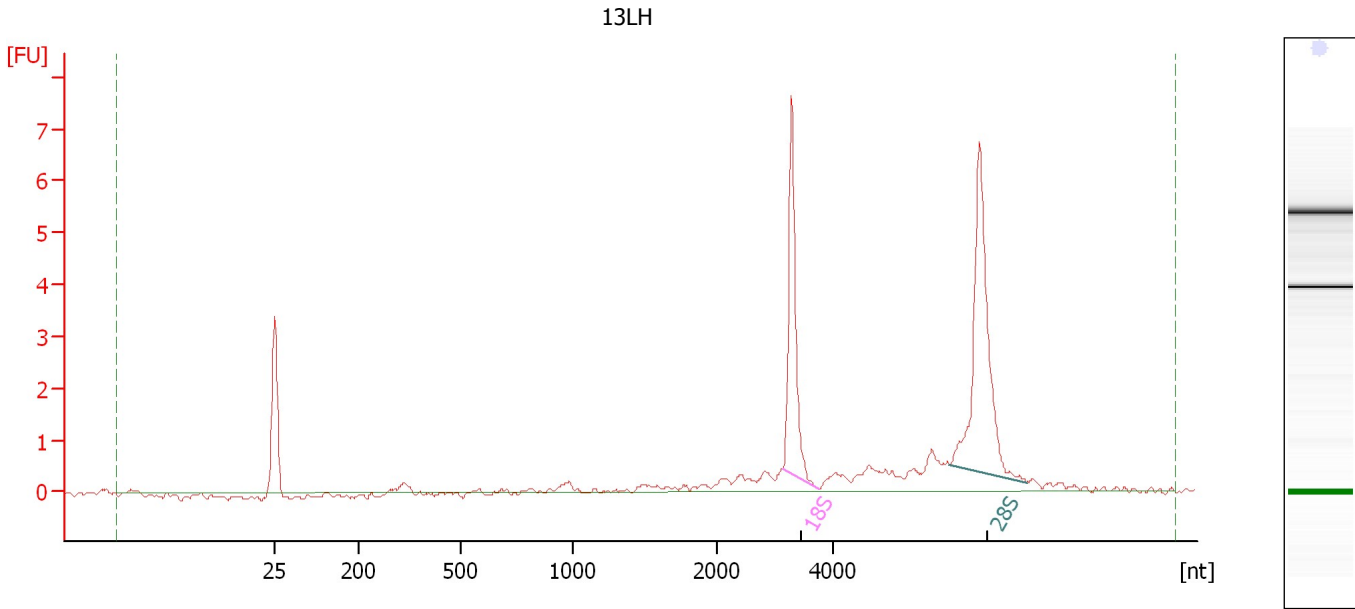
Fragment table for sample 6 : 13BLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,169	3,707	6.7	16.4
28S	5,915	7,622	11.3	27.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 13LH

RNA Area: 24.4 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 34 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.70

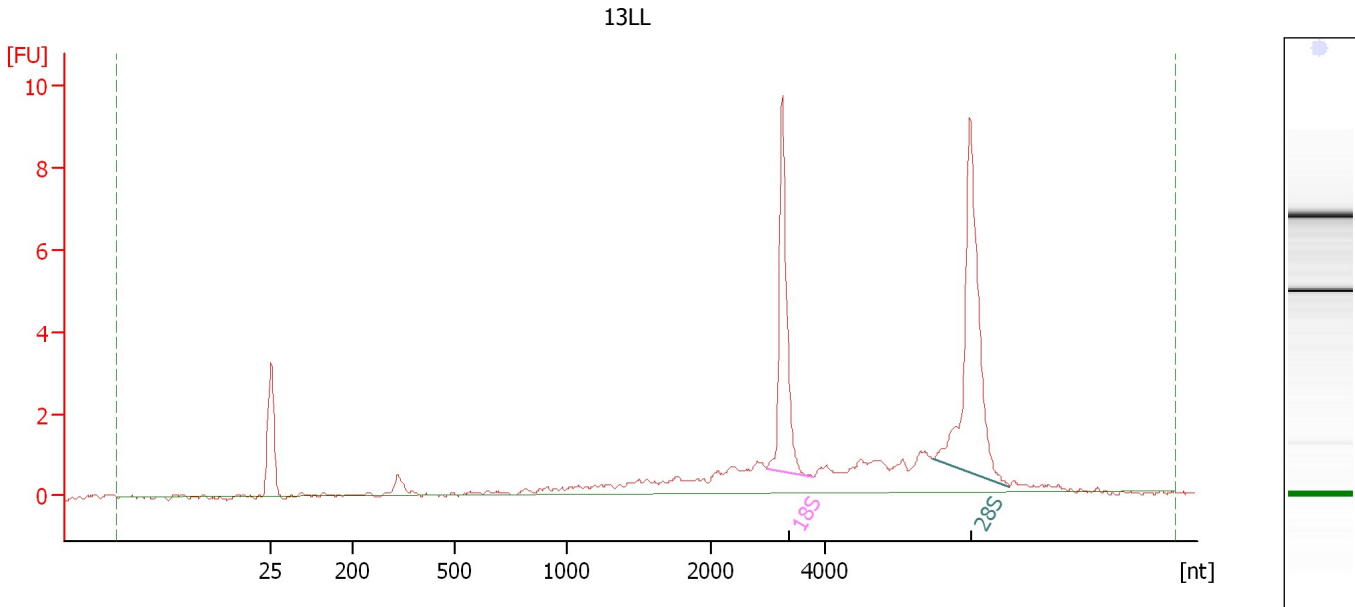
Fragment table for sample 7 : 13LH

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,130	3,762	5.3	21.9
28S	6,030	7,368	8.1	33.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 13LL

RNA Area:	41.0	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	58 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.10

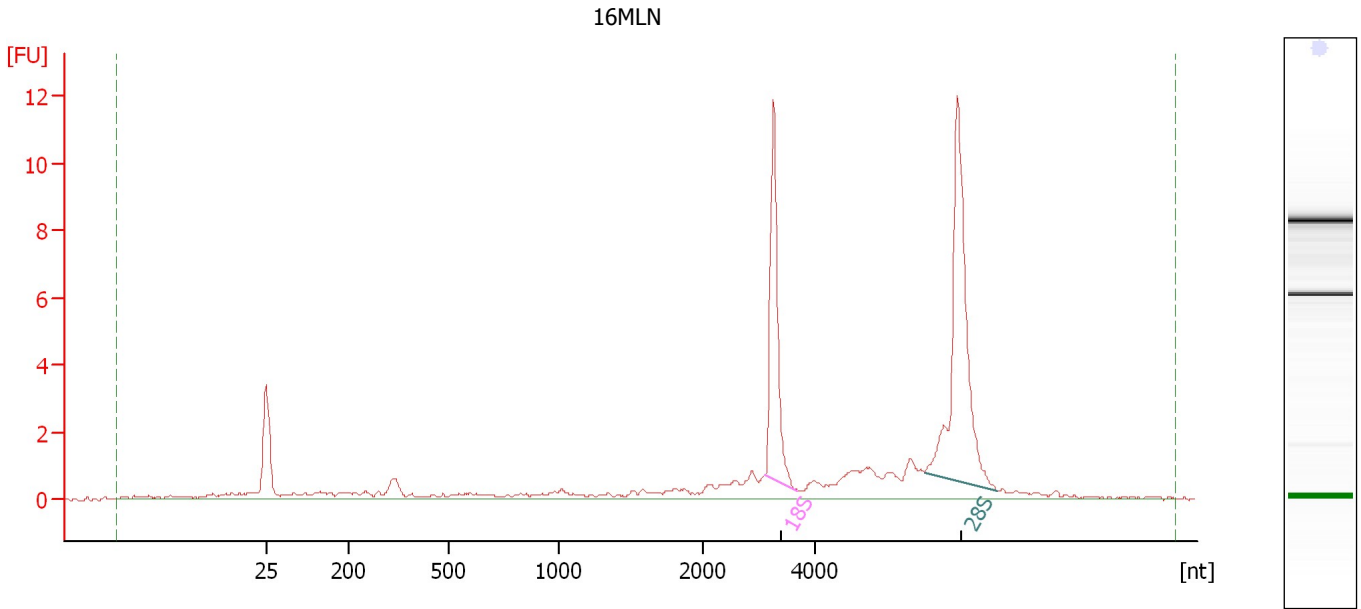
Fragment table for sample 8 : 13LL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,990	3,814	7.3	17.8
28S	5,893	7,241	11.1	27.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 16MLN

RNA Area: 46.2 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 65 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.90

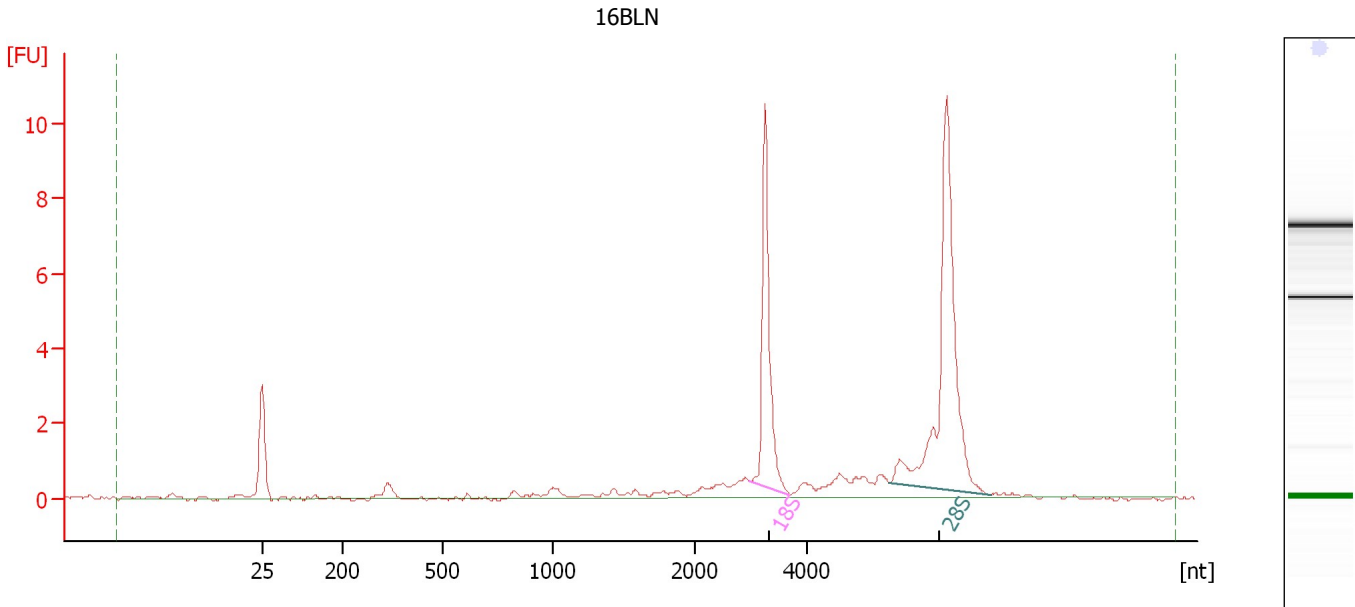
Fragment table for sample 9 : 16MLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,112	3,678	8.5	18.5
28S	5,924	7,207	14.5	31.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 16BLN

RNA Area: 34.0 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 48 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.30

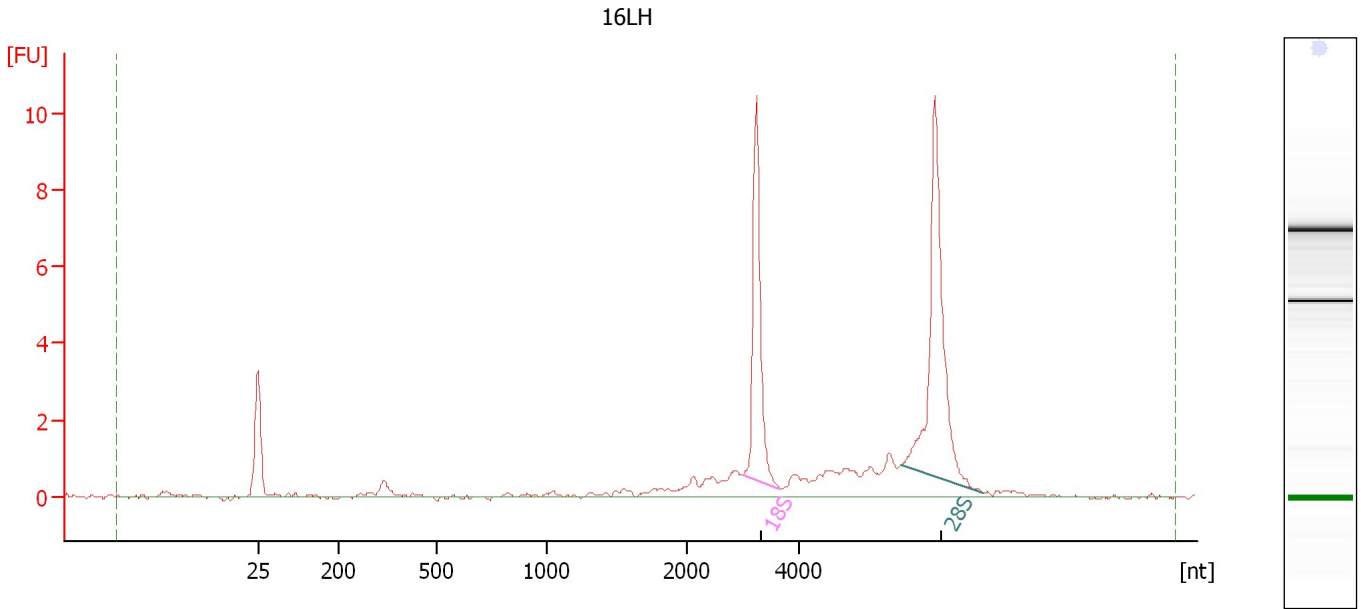
Fragment table for sample 10 : 16BLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,970	3,674	7.9	23.1
28S	5,461	7,267	14.3	42.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 16LH

RNA Area:	37.6	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	53 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.90

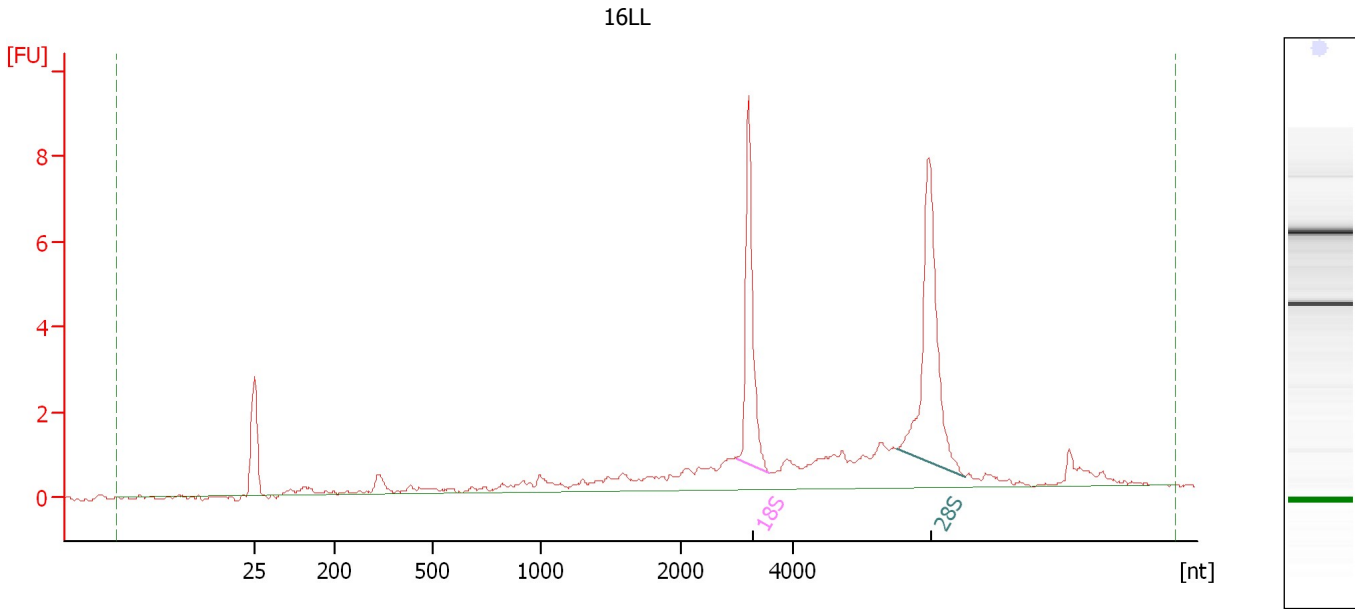
Fragment table for sample 11 : 16LH

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,979	3,650	7.7	20.4
28S	5,834	7,309	12.0	31.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 16LL

RNA Area: 40.6 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 57 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:8

Fragment table for sample 12 : 16LL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,991	3,569	6.7	16.5
28S	5,881	7,114	9.4	23.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_003.xad

Created: 12/4/2017 2:16:02 PM
Modified: 12/4/2017 2:39:49 PM

Gel Image

