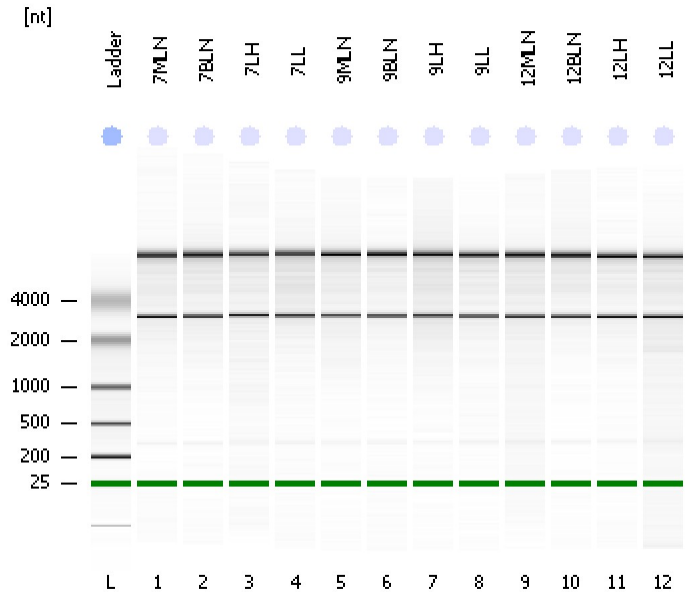


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electrophoresis File Run Summary



Instrument Information:

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

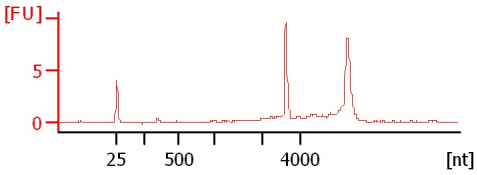
Assay Information:

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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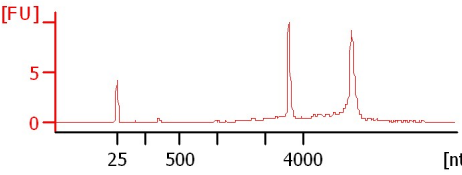
Chip Information:

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

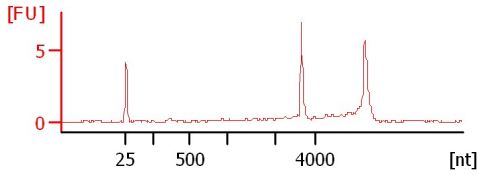
7MLN
RIN: 9.10



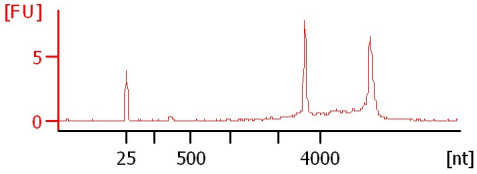
7BLN
RIN: 9



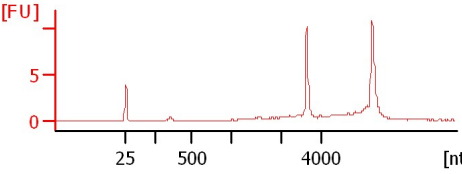
7LH
RIN: 8



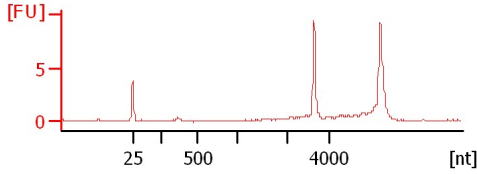
7LL
RIN: 8.80



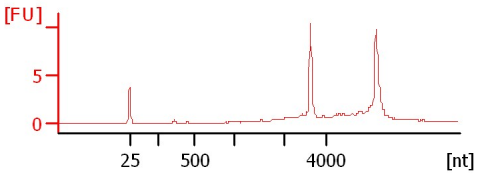
9MLN
RIN: 8.50



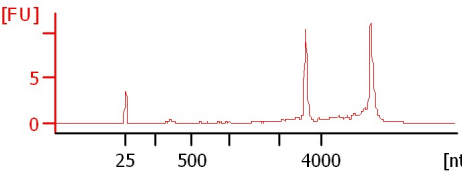
9BLN
RIN: 9.40



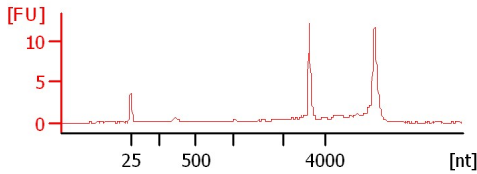
9LH
RIN: 8.50



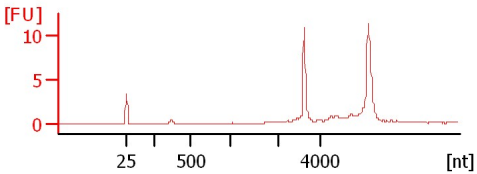
9LL
RIN: 8.70



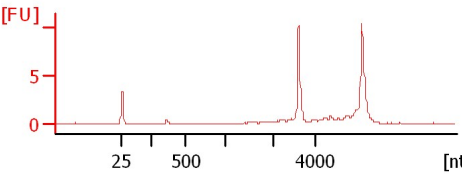
12MLN
RIN: 8.20



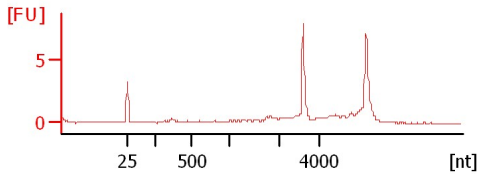
12BLN
RIN: 9.70



12LH
RIN: 9



12LL
RIN: 7.80



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
 Modified: 12/4/2017 3:29:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
7MLN		✓	RIN: 9.10	
7BLN		✓	RIN:9	
7LH		✓	RIN:8	
7LL		✓	RIN: 8.80	
9MLN		✓	RIN: 8.50	
9BLN		✓	RIN: 9.40	
9LH		✓	RIN: 8.50	
9LL		✓	RIN: 8.70	
12MLN		✓	RIN: 8.20	
12BLN		✓	RIN: 9.70	
12LH		✓	RIN:9	
12LL		✓	RIN: 7.80	
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_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 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

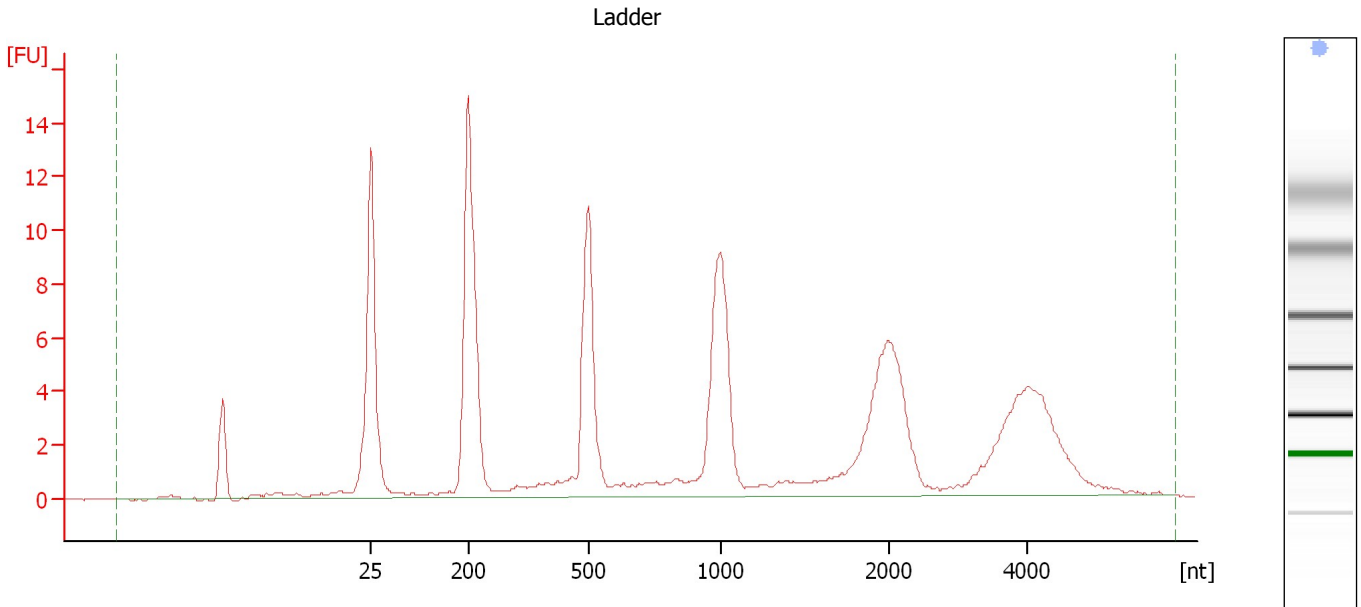
Ladder

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_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary



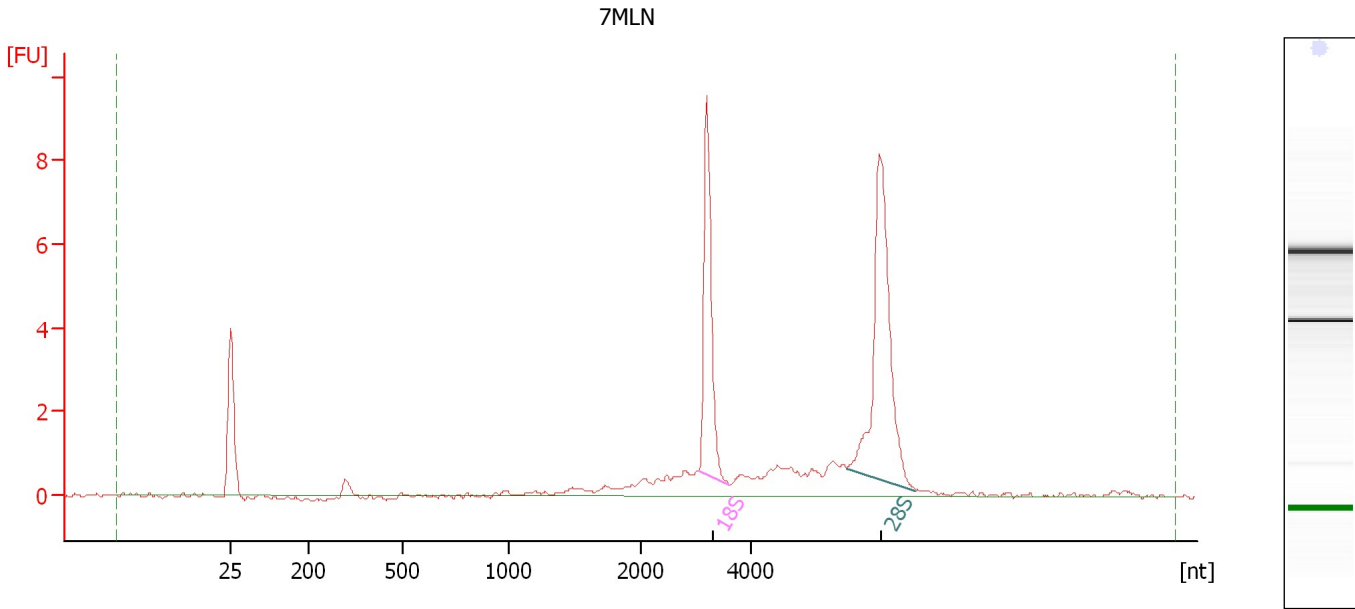
Overall Results for Ladder

RNA Area:	123.9	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_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 7MLN

RNA Area:	36.3	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	44 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.10

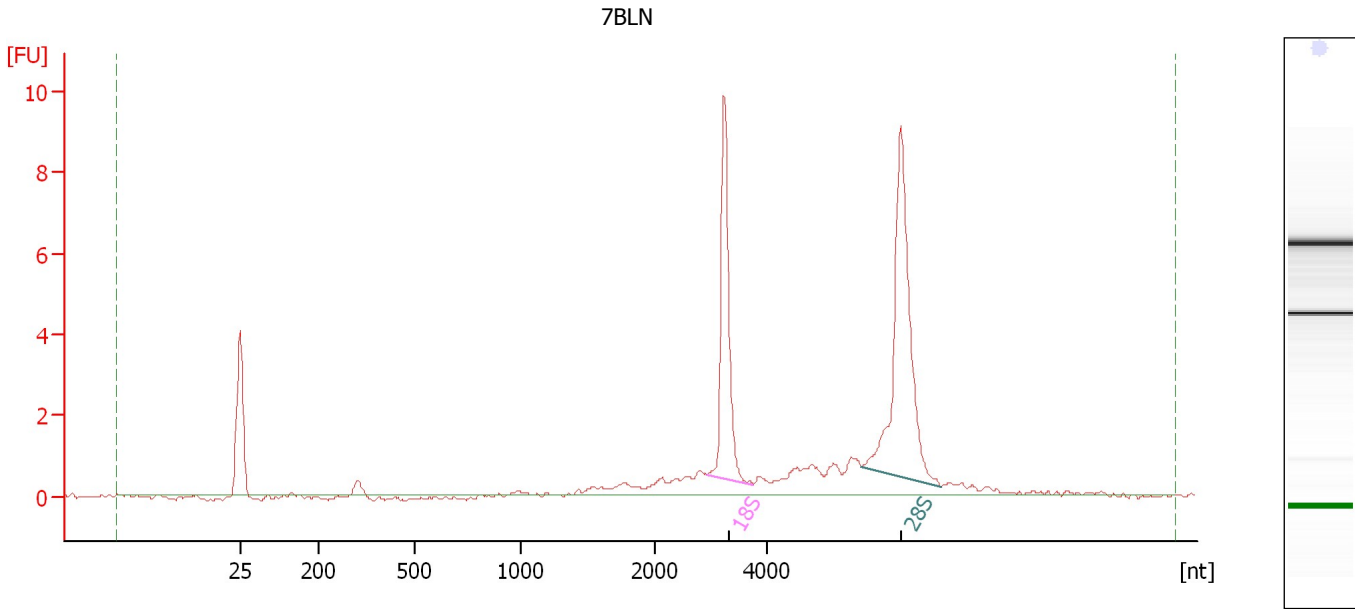
Fragment table for sample 1 : 7MLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,049	3,612	7.3	20.0
28S	5,751	6,995	11.9	32.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 7BLN

RNA Area: 37.3 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 45 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN:9

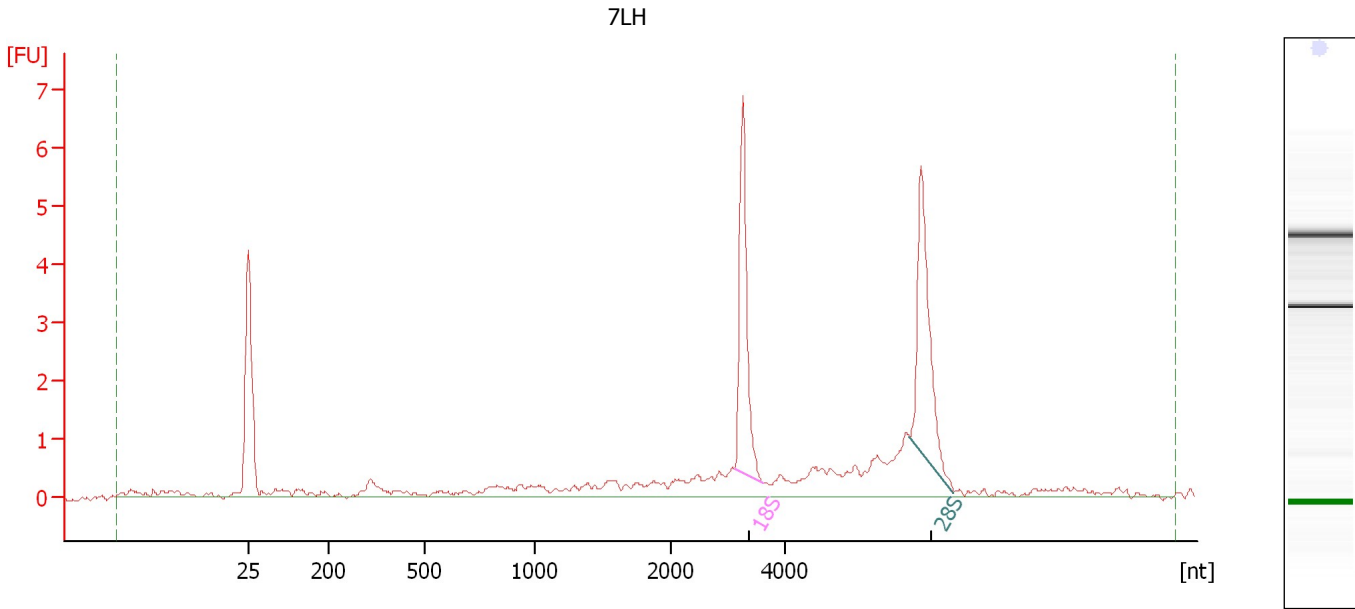
Fragment table for sample 2 : 7BLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,933	3,756	7.9	21.2
28S	5,669	7,104	12.8	34.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 7LH

RNA Area:	29.7	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN:8

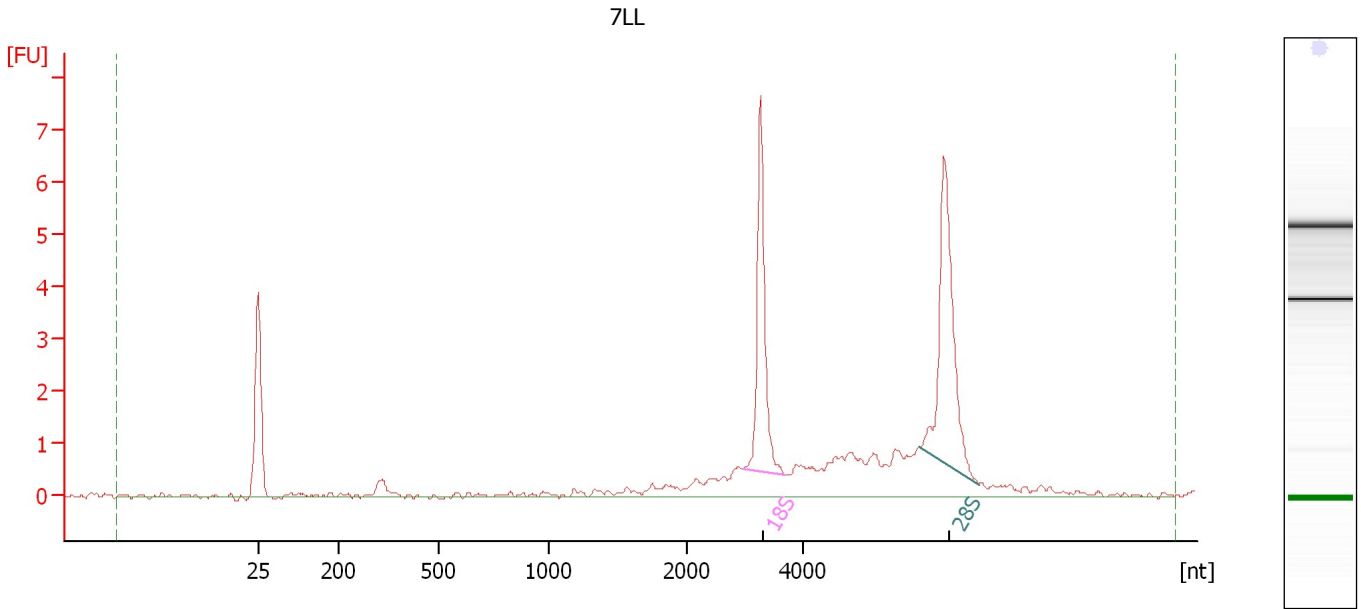
Fragment table for sample 3 : 7LH

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,123	3,631	5.0	16.8
28S	6,211	6,983	5.5	18.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 7LL

RNA Area:	33.0	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	40 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.80

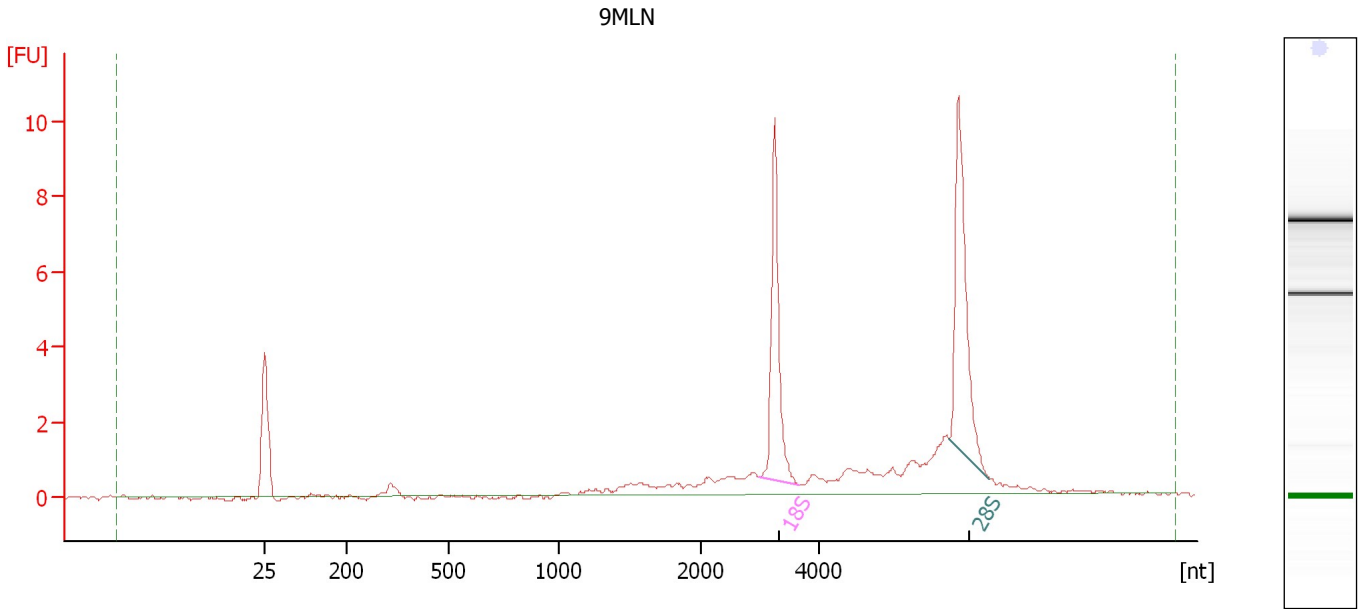
Fragment table for sample 4 : 7LL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,938	3,697	5.9	18.0
28S	6,010	7,028	7.3	22.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 9MLN

RNA Area:	36.2	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	44 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.50

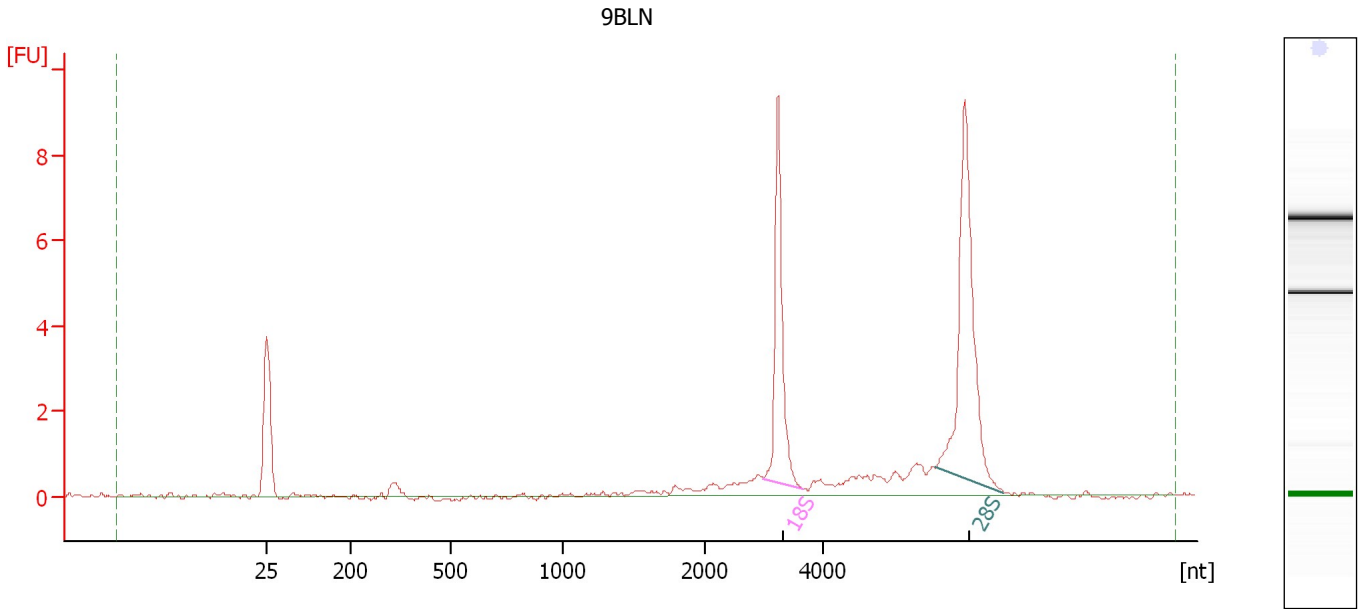
Fragment table for sample 5 : 9MLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,973	3,685	7.4	20.4
28S	6,242	6,936	8.8	24.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 9BLN

RNA Area: 29.8 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 36 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.40

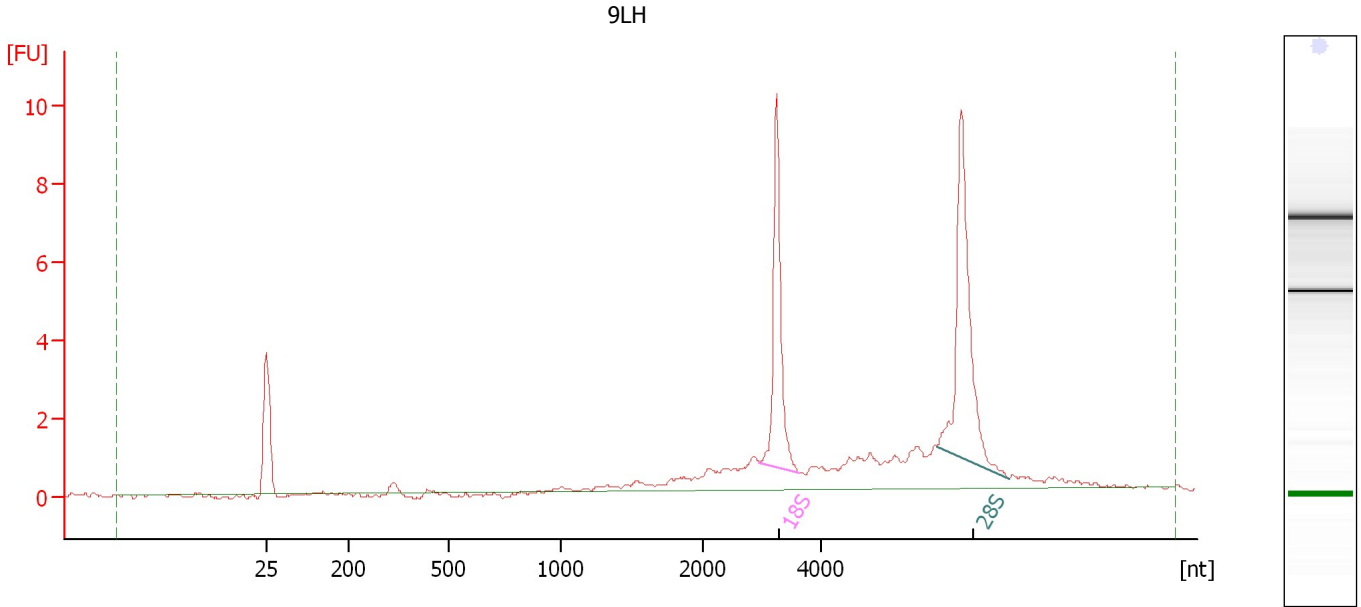
Fragment table for sample 6 : 9BLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,996	3,669	7.2	24.1
28S	5,907	7,090	11.0	37.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 9LH

RNA Area: 40.2 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 49 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.50

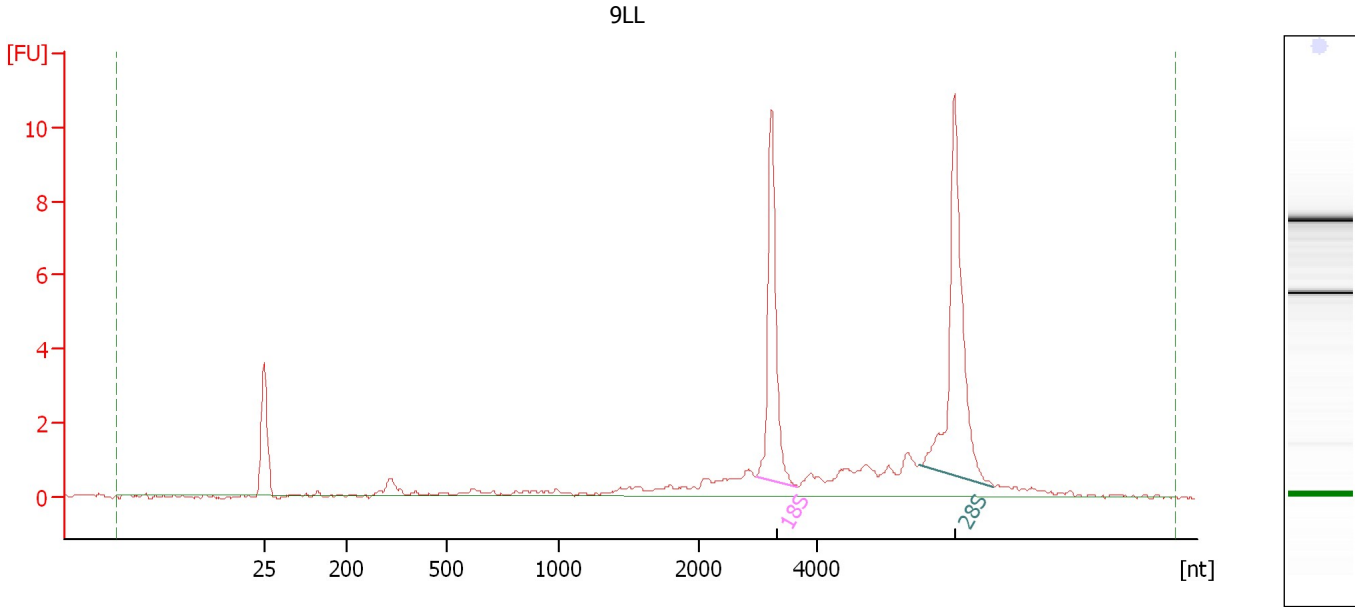
Fragment table for sample 7 : 9LH

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,957	3,650	7.7	19.1
28S	5,983	7,204	10.1	25.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 9LL

RNA Area: 41.0 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 50 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.70

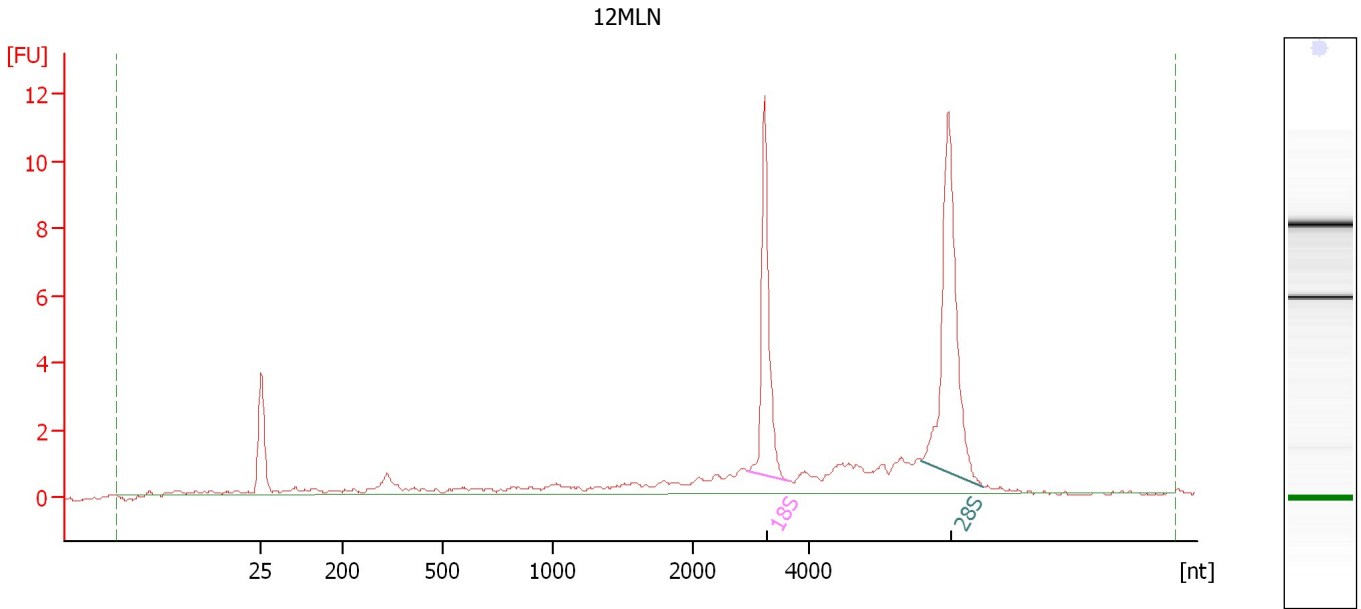
Fragment table for sample 8 : 9LL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,971	3,684	8.3	20.3
28S	5,770	7,033	12.2	29.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 12MLN

RNA Area: 49.8 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 60 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.20

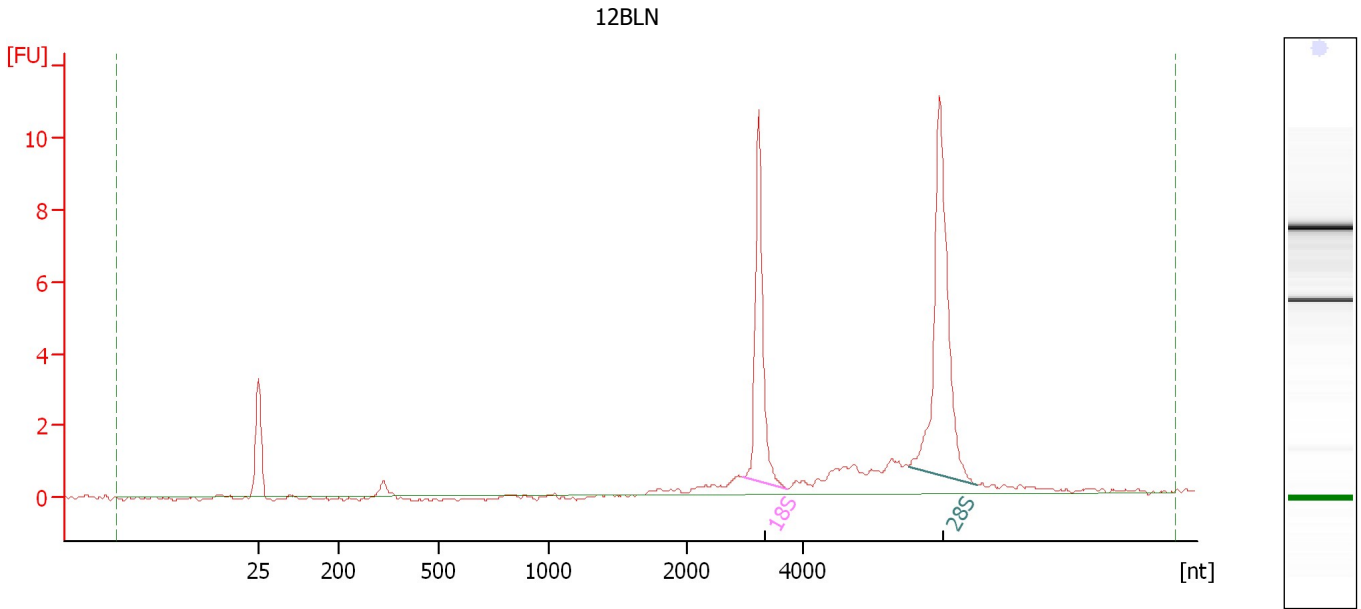
Fragment table for sample 9 : 12MLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,927	3,644	9.0	18.0
28S	5,926	6,975	13.6	27.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 12BLN

RNA Area: 35.2 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 43 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.70

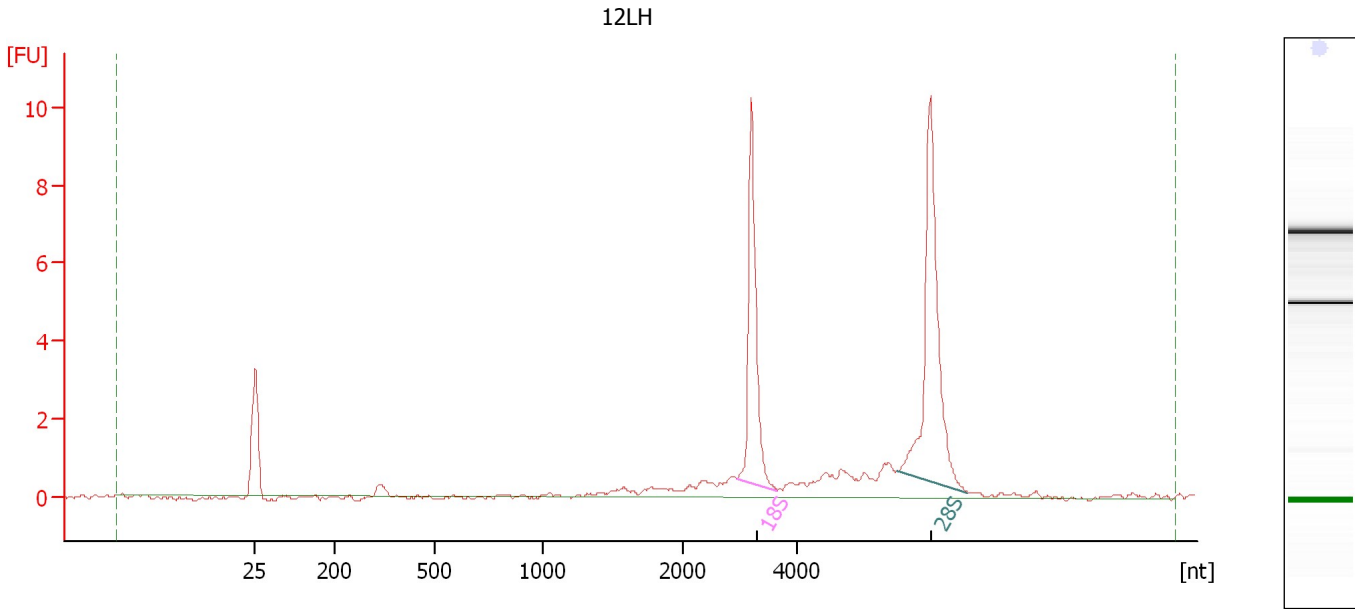
Fragment table for sample 10 : 12BLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,956	3,715	8.3	23.6
28S	5,825	7,010	13.1	37.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 12LH

RNA Area:	33.8	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	41 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

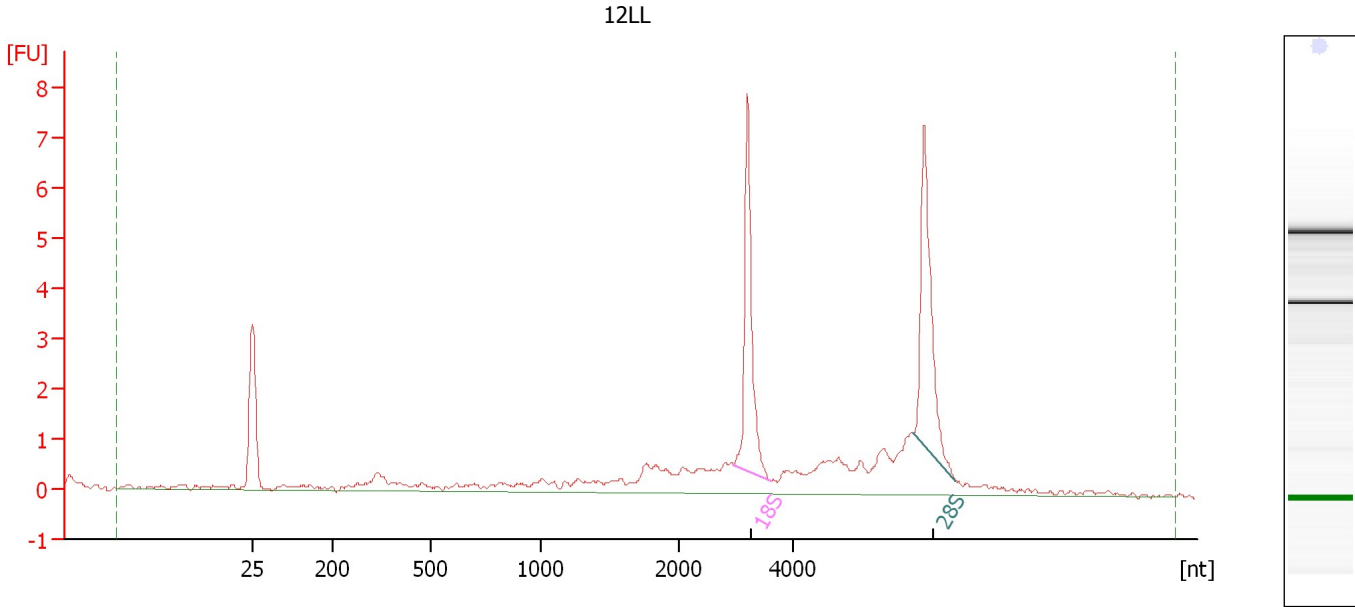
Fragment table for sample 11 : 12LH

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,949	3,656	7.9	23.4
28S	5,741	6,970	11.5	34.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12LL

RNA Area:	36.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	44 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.80

Fragment table for sample 12 : 12LL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,963	3,617	5.9	16.2
28S	6,102	6,850	6.1	16.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-04\2017-12-04_004.xad

Created: 12/4/2017 3:06:43 PM
Modified: 12/4/2017 3:29:46 PM

Gel Image

