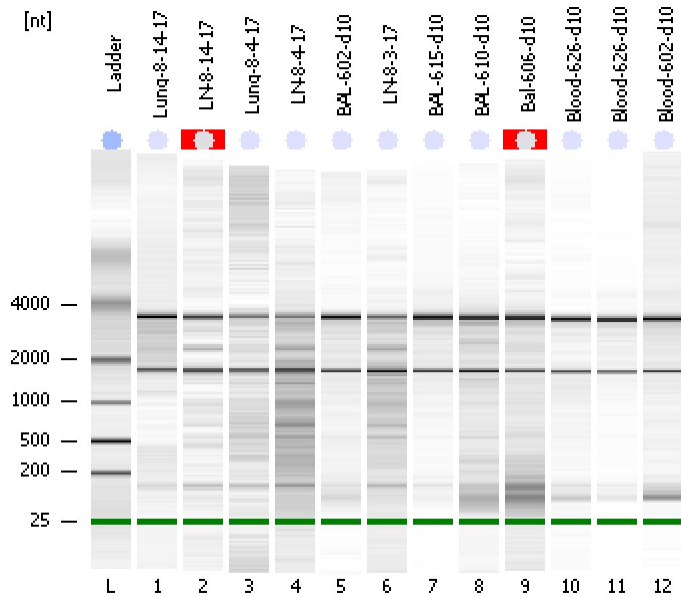


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electrophoresis File Run Summary



Instrument Information:

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

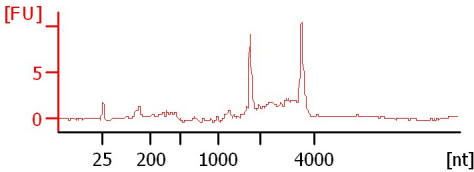
Assay Information:

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.

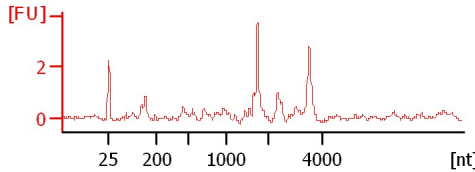
Chip Information:

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

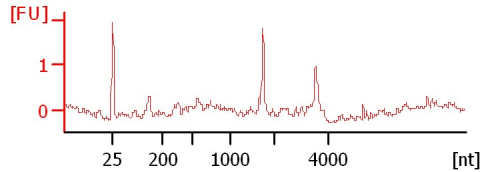
Lung-8-14-17
RIN: 7.80



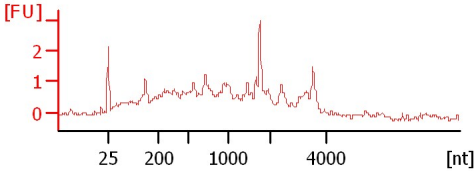
LN-8-14-17
RIN N/A



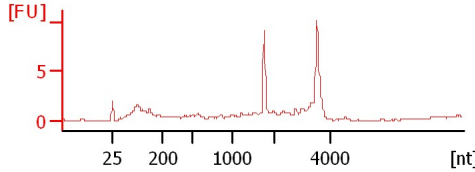
Lung-8-4-17
RIN: 6.40



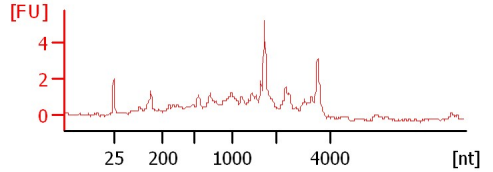
LN-8-4-17
RIN: 4.80



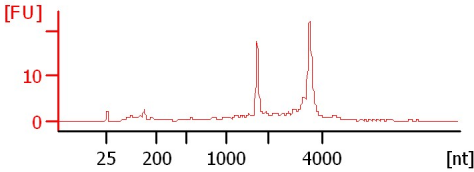
BAL-602-d10
RIN: 7.60



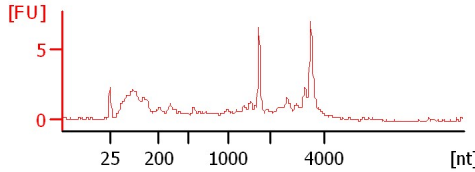
LN-8-3-17
RIN: 5.80



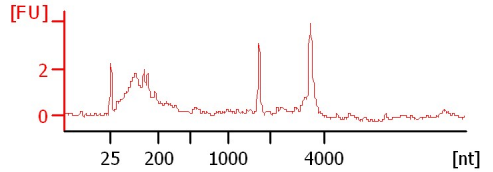
BAL-615-d10
RIN: 8.20



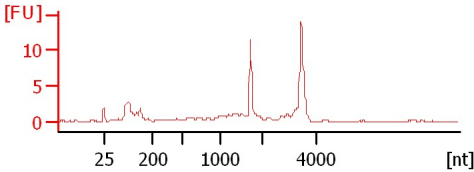
BAL-610-d10
RIN: 6.10



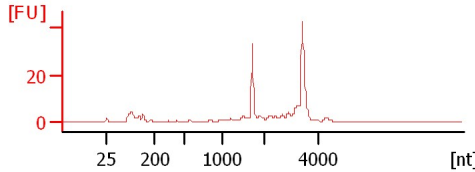
Bal-606-d10
RIN N/A



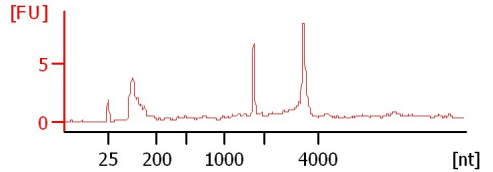
Blood-626-d10
RIN: 7.80



Blood-626-d10
RIN: 8.60



Blood-602-d10
RIN: 7.70



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
 Modified: 8/23/2017 5:06:05 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Lung-8-14-17		✓	RIN: 7.80	
LN-8-14-17		✓	RIN N/A	
Lung-8-4-17		✓	RIN: 6.40	
LN-8-4-17		✓	RIN: 4.80	
BAL-602-d10		✓	RIN: 7.60	
LN-8-3-17		✓	RIN: 5.80	
BAL-615-d10		✓	RIN: 8.20	
BAL-610-d10		✓	RIN: 6.10	
Bal-606-d10		✓	RIN N/A	
Blood-626-d10		✓	RIN: 7.80	
Blood-626-d10		✓	RIN: 8.60	
Blood-602-d10		✓	RIN: 7.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ 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

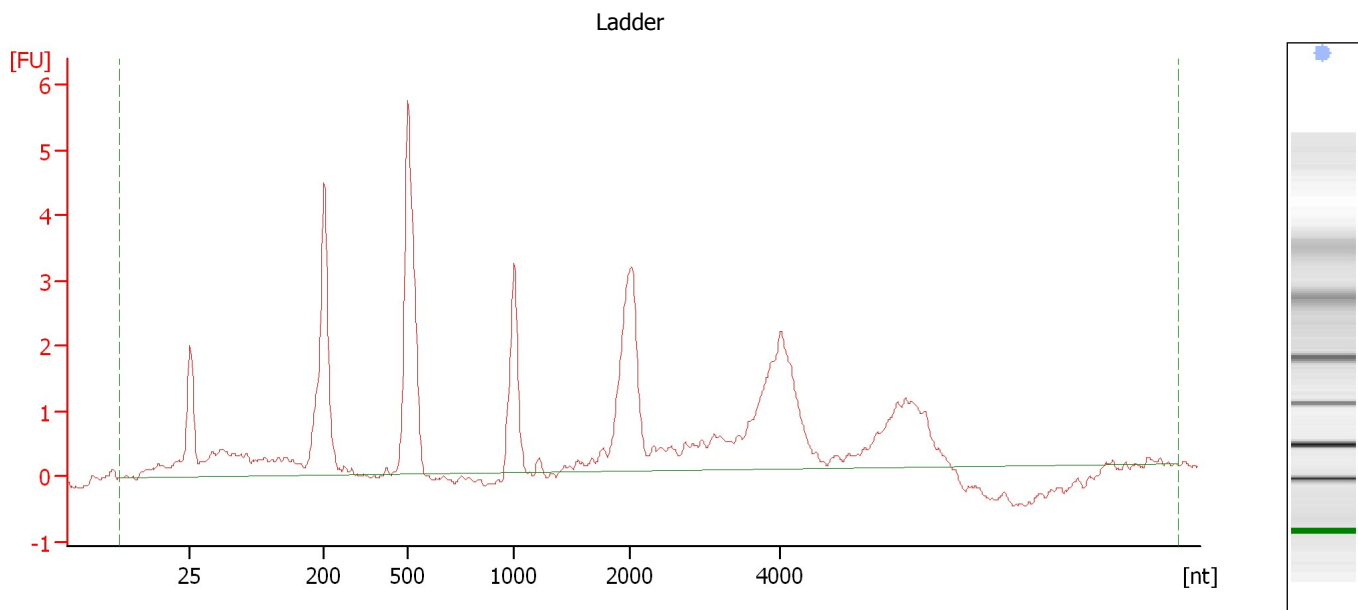
Ladder

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\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary



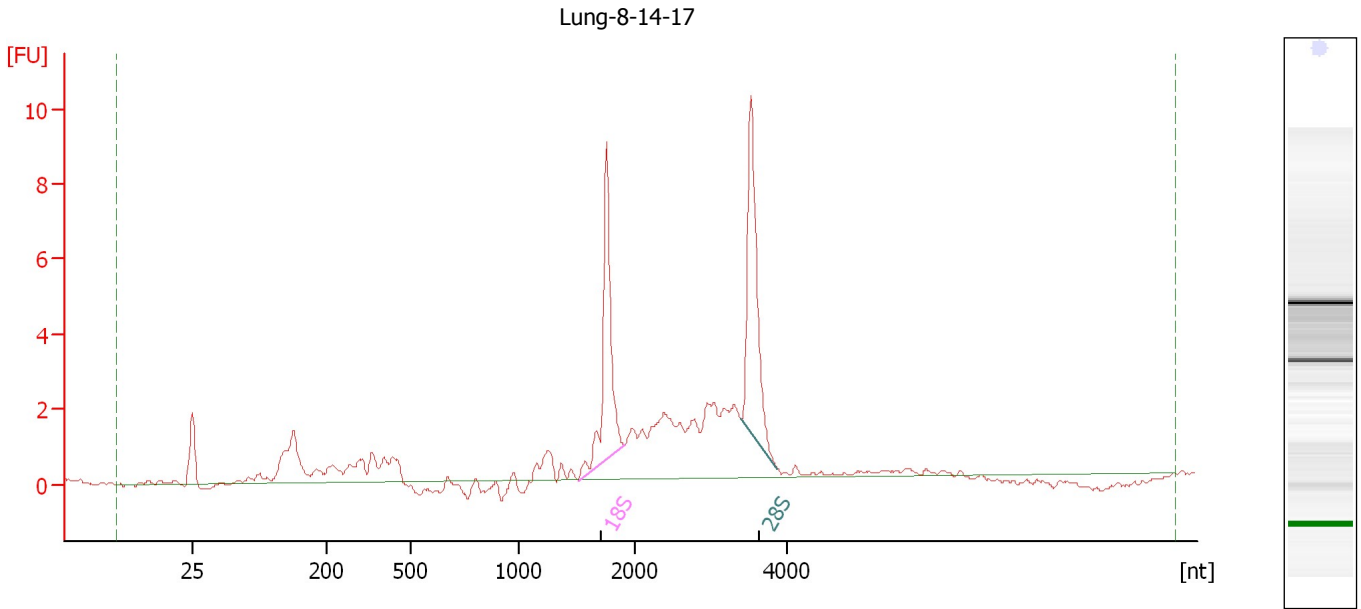
Overall Results for Ladder

RNA Area:	51.1	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\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Lung-8-14-17

RNA Area: 56.5 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 166 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.80

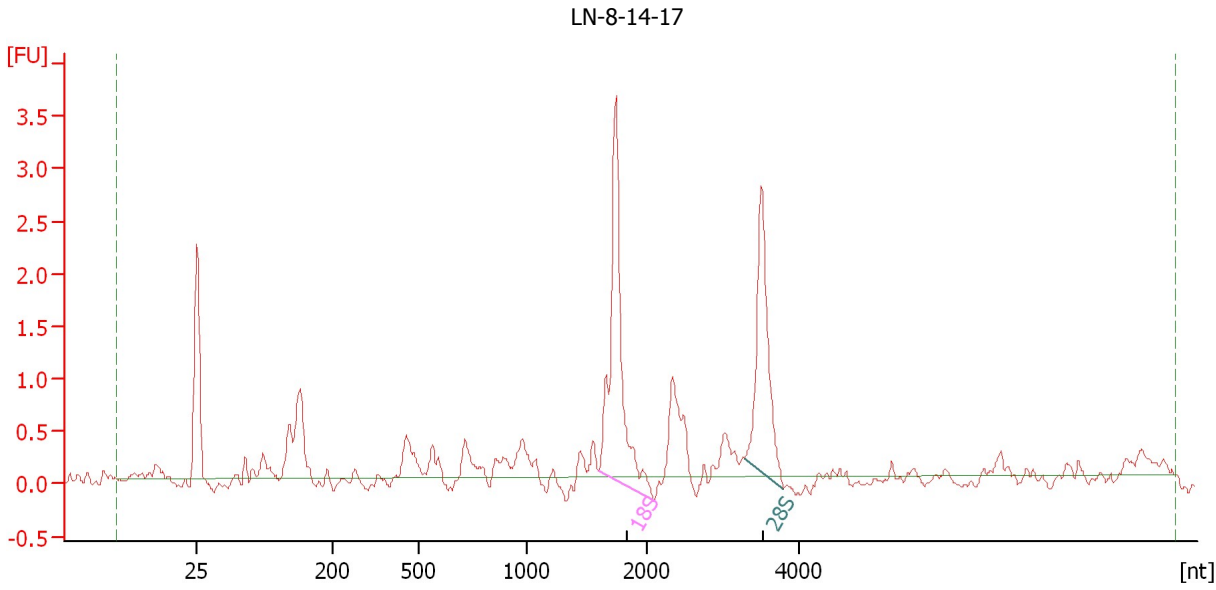
Fragment table for sample 1 : Lung-8-14-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,512	1,912	8.6	15.3
28S	3,393	3,874	9.1	16.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : LN-8-14-17

RNA Area:	17.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

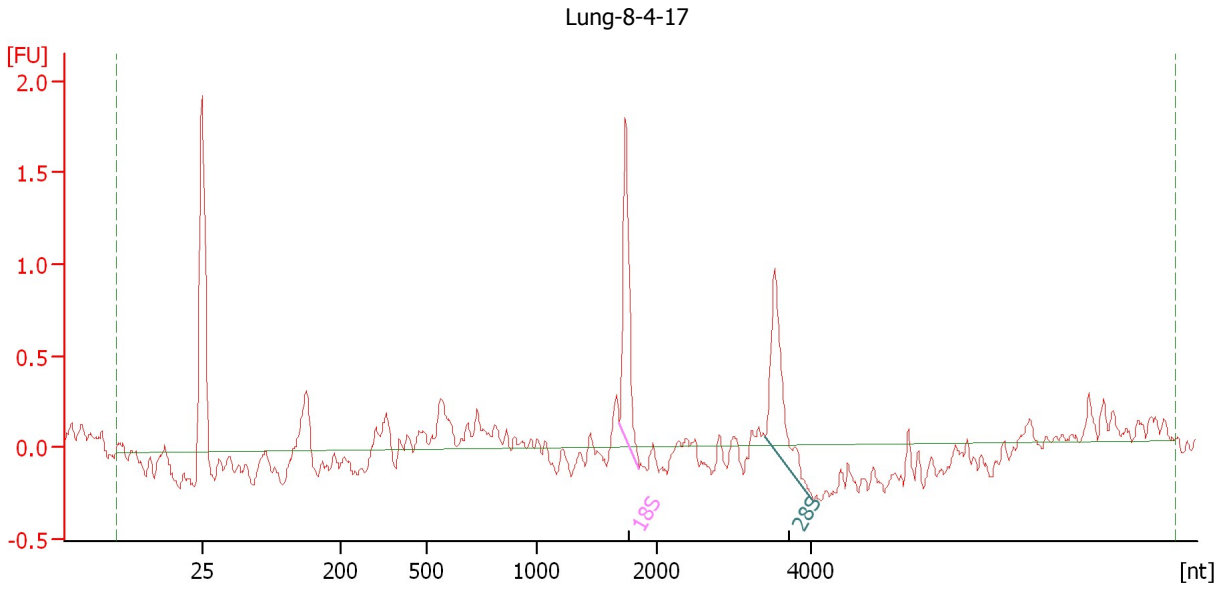
Fragment table for sample 2 : LN-8-14-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,602	2,110	4.8	27.9
28S	3,287	3,805	3.4	19.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
 Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Lung-8-4-17

RNA Area:	5.7	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	17 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.40

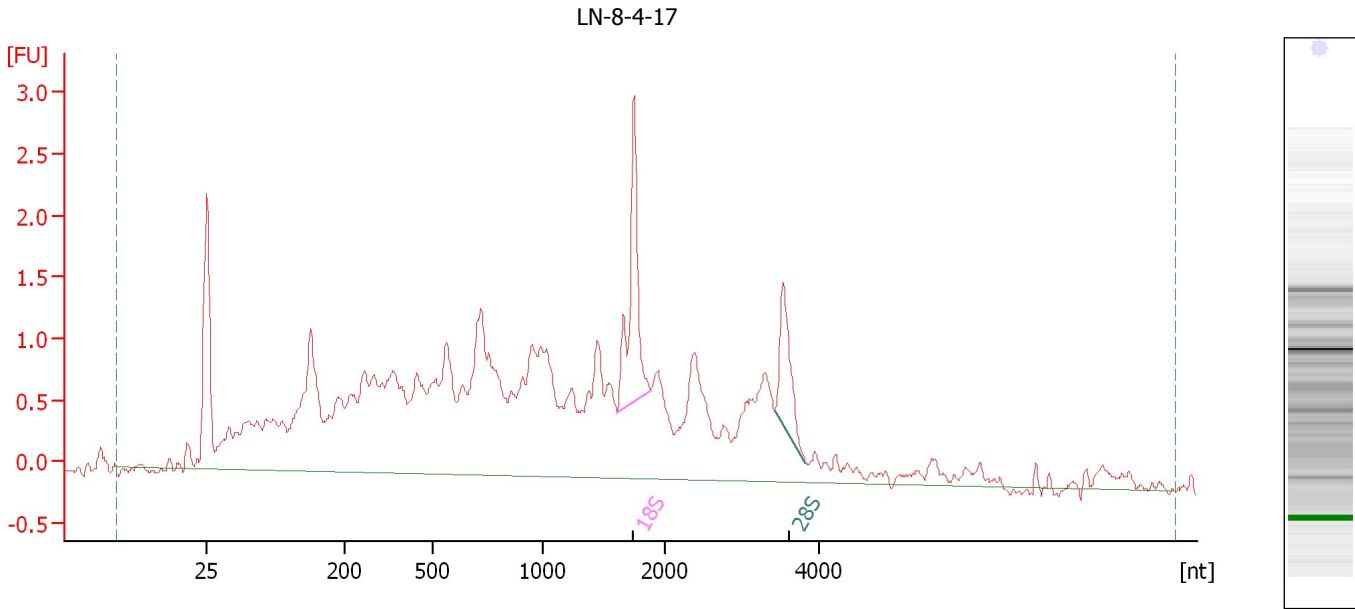
Fragment table for sample 3 : Lung-8-4-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	1,860	1.3	22.5
28S	3,404	4,042	1.2	21.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : LN-8-4-17

RNA Area: 53.7 RNA Integrity Number (RIN): 4.8 (B.02.08)
RNA Concentration: 158 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 4.80

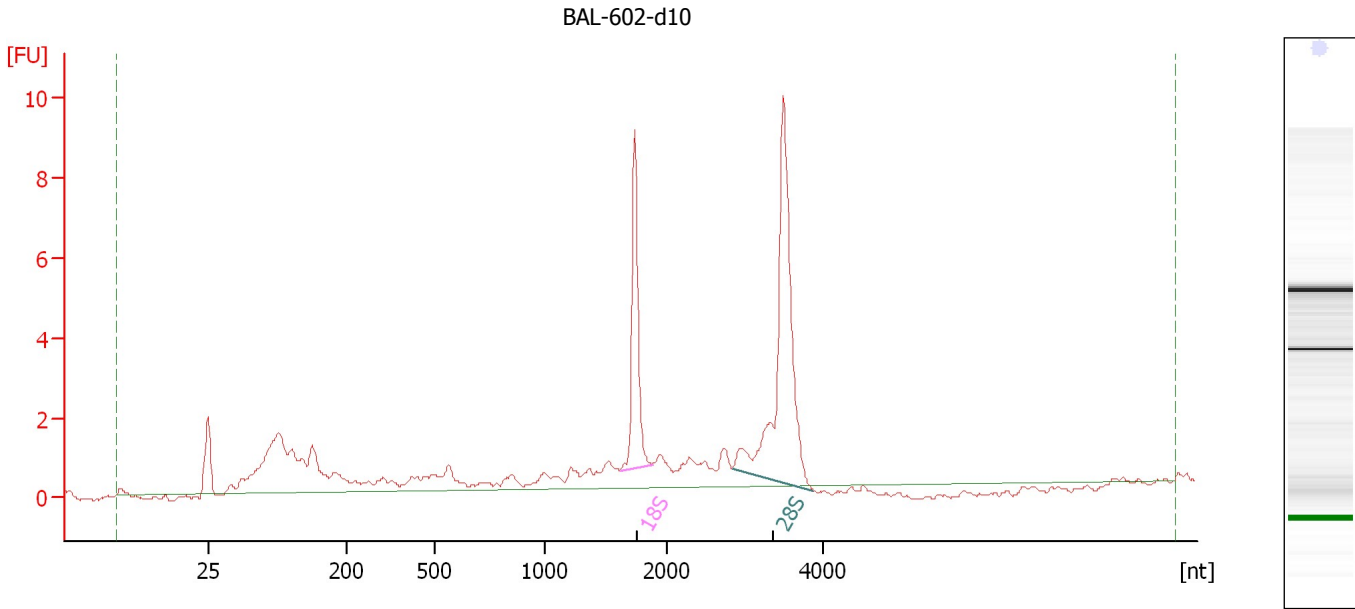
Fragment table for sample 4 : LN-8-4-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,882	2.6	4.8
28S	3,411	3,810	1.3	2.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BAL-602-d10

RNA Area: 54.6 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 160 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 7.60

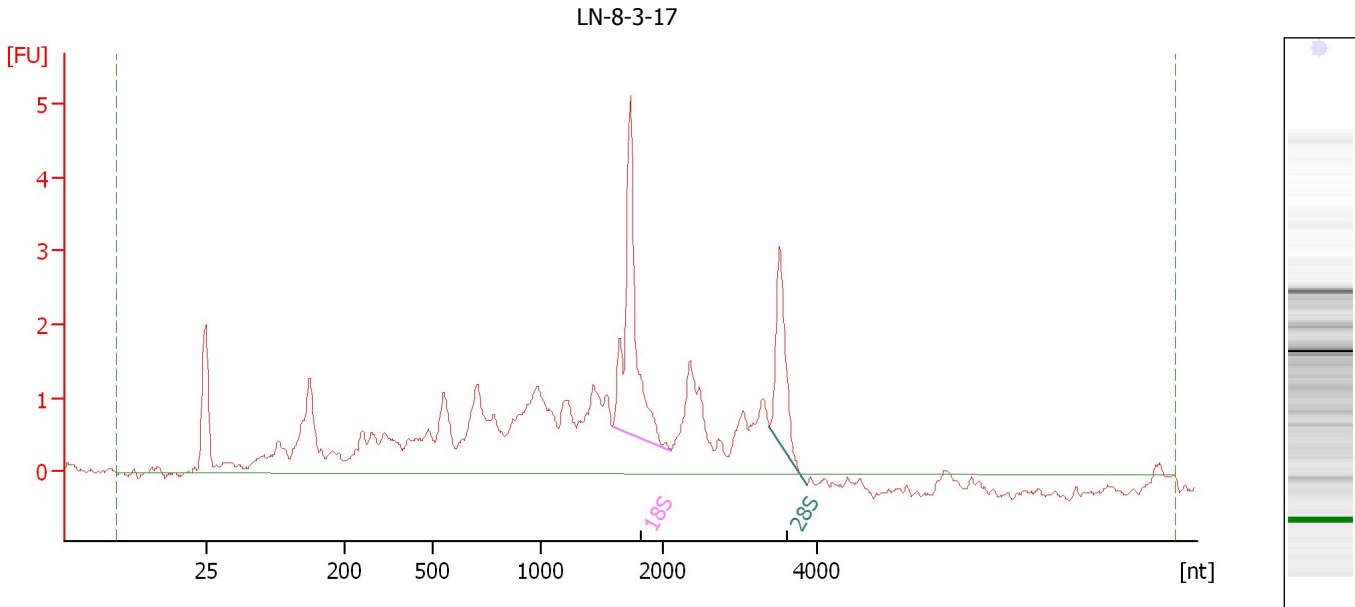
Fragment table for sample 5 : BAL-602-d10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	1,884	6.6	12.1
28S	2,848	3,890	14.6	26.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
 Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : LN-8-3-17

RNA Area:	48.8	RNA Integrity Number (RIN):	5.8 (B.02.08)
RNA Concentration:	143 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 5.80

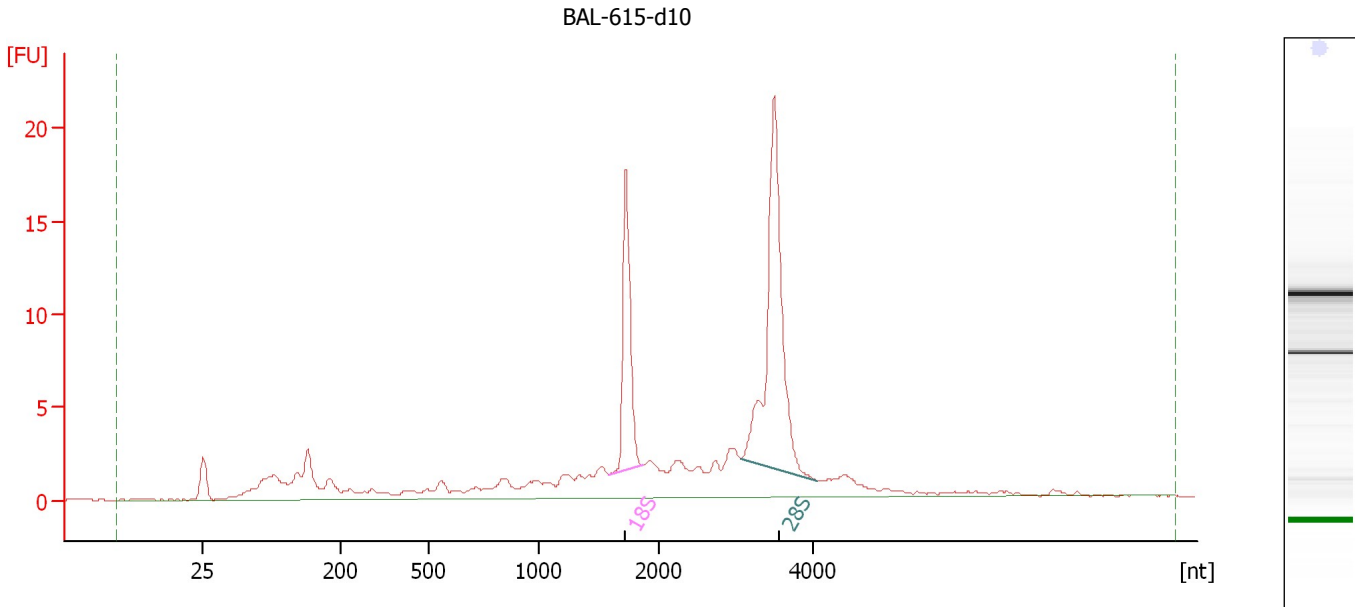
Fragment table for sample 6 : LN-8-3-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	2,118	5.8	11.9
28S	3,386	3,854	2.8	5.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BAL-615-d10

RNA Area: 125.8 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 369 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 8.20

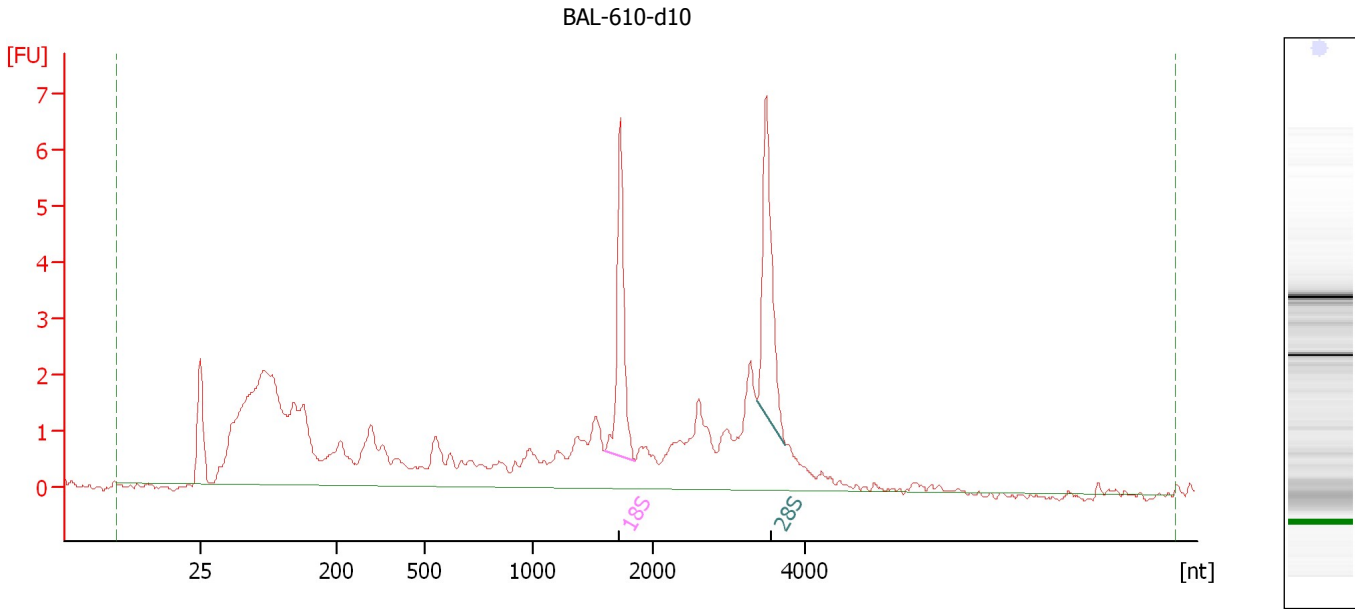
Fragment table for sample 7 : BAL-615-d10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	1,879	14.3	11.4
28S	3,071	4,053	30.9	24.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BAL-610-d10

RNA Area: 73.9 RNA Integrity Number (RIN): 6.1 (B.02.08)
RNA Concentration: 217 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 6.10

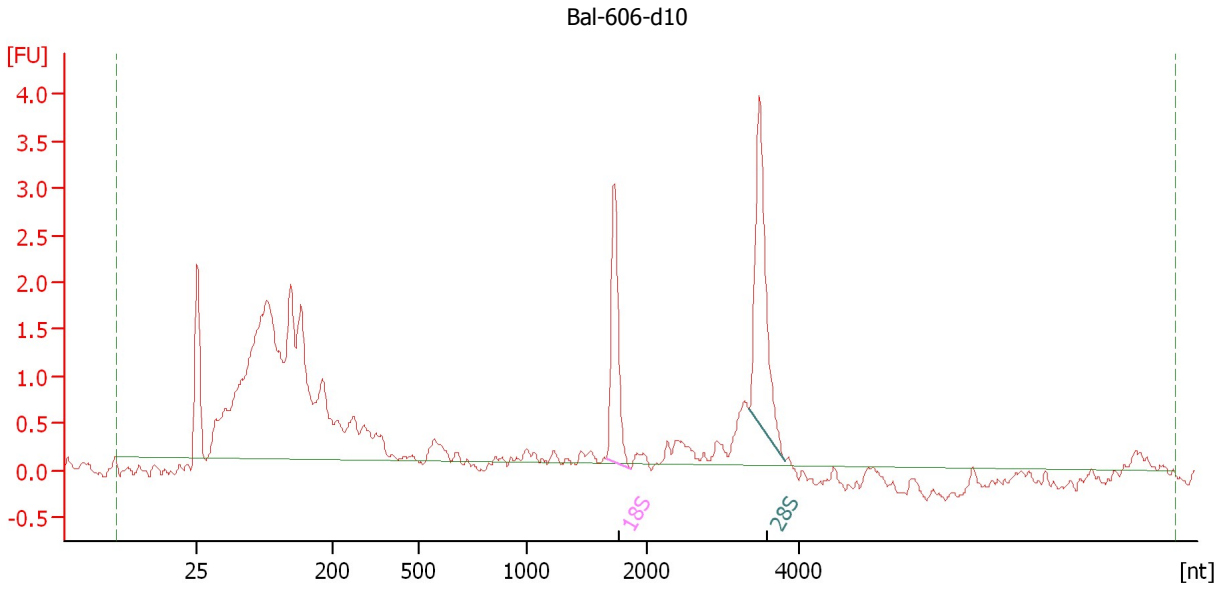
Fragment table for sample 8 : BAL-610-d10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	1,858	5.3	7.2
28S	3,366	3,742	5.6	7.6


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Bal-606-d10

RNA Area:	34.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	101 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN N/A

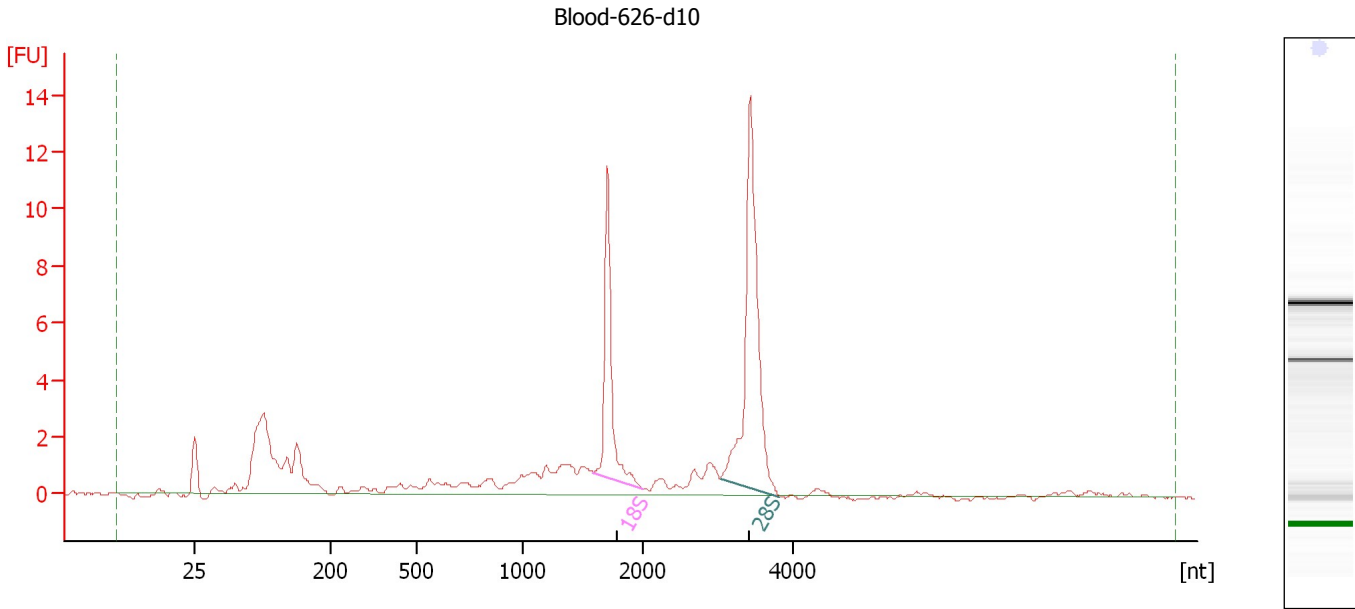
Fragment table for sample 9 : Bal-606-d10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	1,863	2.6	7.4
28S	3,343	3,819	4.0	11.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Blood-626-d10

RNA Area: 66.9 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 196 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 7.80

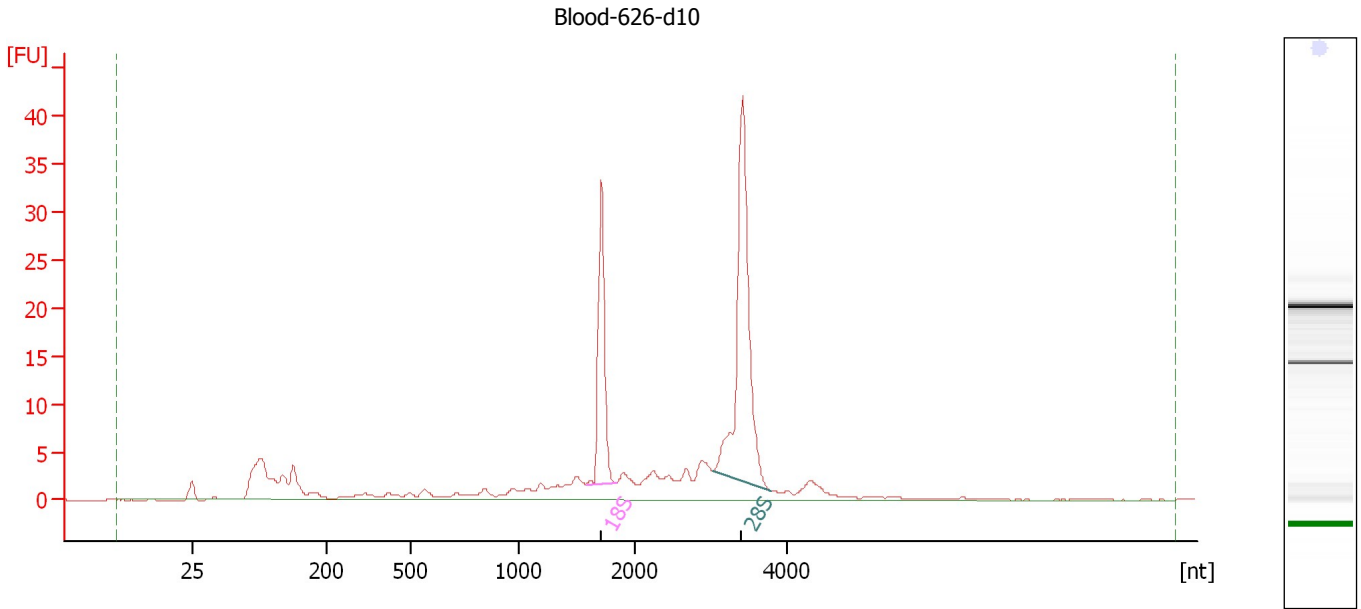
Fragment table for sample 10 : Blood-626-d10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	2,023	9.6	14.3
28S	3,036	3,810	18.1	27.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Blood-626-d10

RNA Area: 181.1 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 531 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 8.60

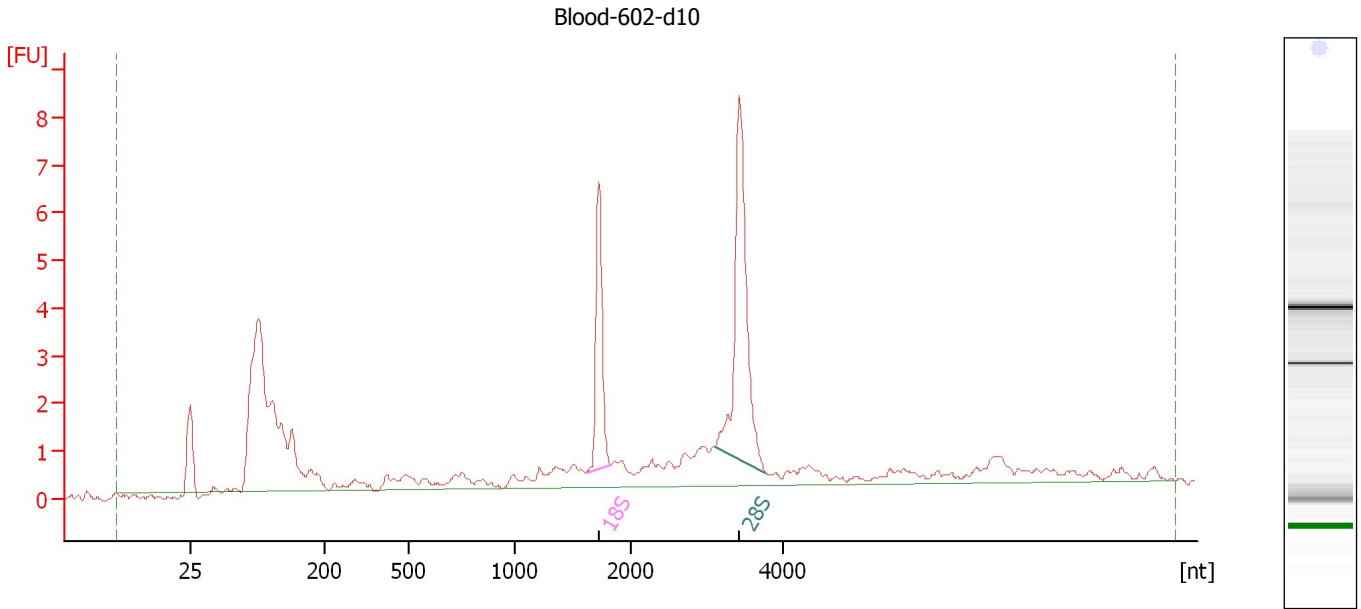
Fragment table for sample 11 : Blood-626-d10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	1,830	24.1	13.3
28S	3,025	3,789	51.0	28.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
 Modified: 8/23/2017 5:06:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Blood-602-d10

RNA Area:	54.7	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	160 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 7.70

Fragment table for sample 12 : Blood-602-d10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	1,828	4.5	8.2
28S	3,112	3,780	9.6	17.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_003.xad

Created: 8/23/2017 4:38:12 PM
Modified: 8/23/2017 5:06:05 PM

Gel Image

