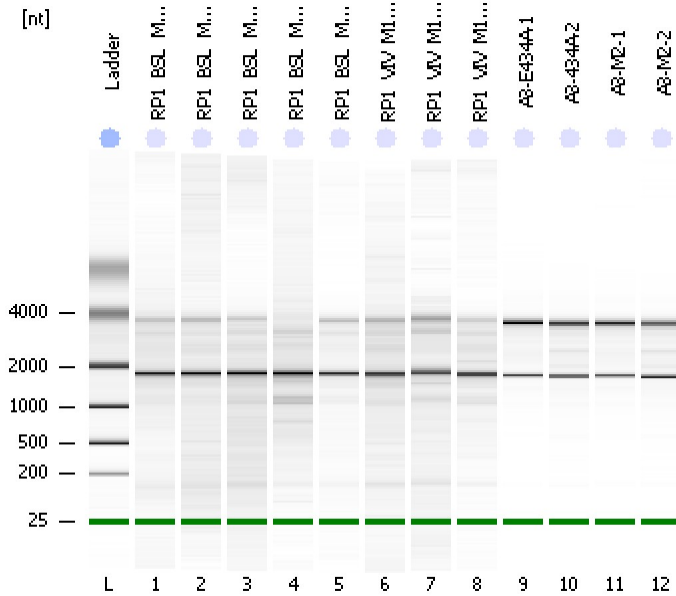


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electrophoresis File Run Summary



Instrument Information:

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

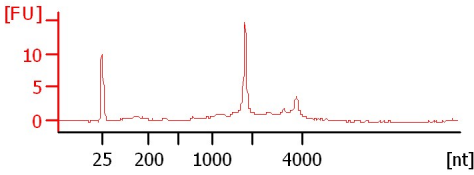
Assay Information:

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.

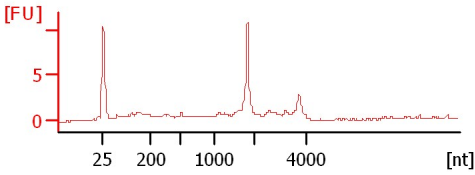
Chip Information:

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

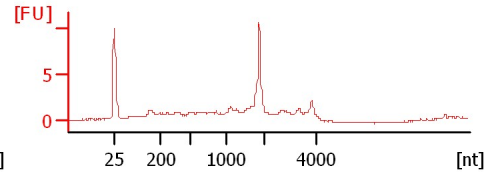
RP1_BSL_M4_LVR_RNA_ALQ2
RIN: 7.80



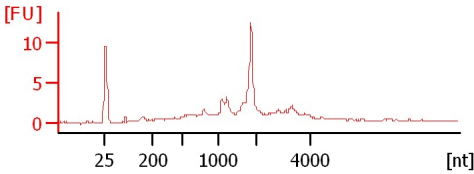
RP1_BSL_M5_LVR_RNA_ALQ2
RIN: 7.70



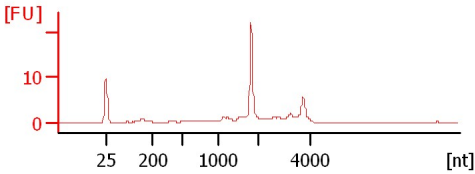
RP1_BSL_M7_LVR_RNA_ALQ2
RIN: 7



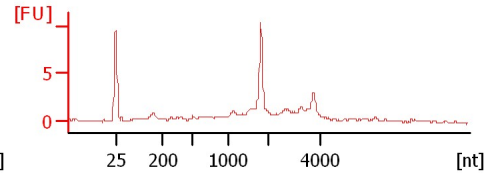
RP1_BSL_M8_LVR_RNA_ALQ2
RIN: 6.90



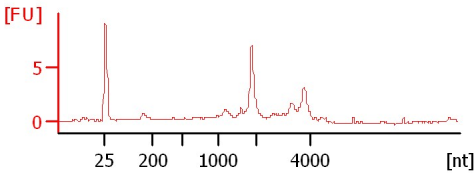
RP1_BSL_M10_LVR_RNA_ALQ2
RIN: 8.30



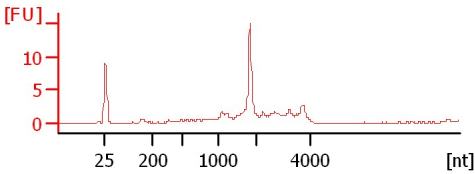
RP1_VIV_M16_LVR_RNA_ALQ2
RIN: 7



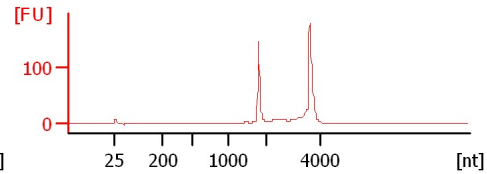
RP1_VIV_M17_LVR_RNA_ALQ2
RIN: 7.70



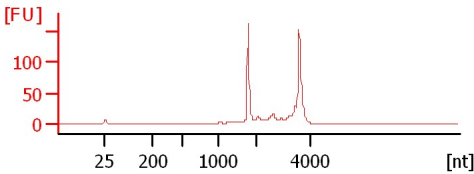
RP1_VIV_M18_LVR_RNA_ALQ2
RIN: 7.70



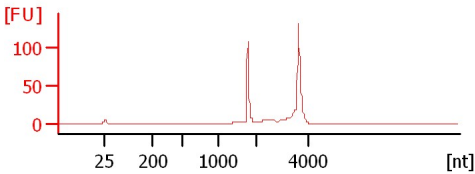
A3-E434A-1
RIN: 9.80



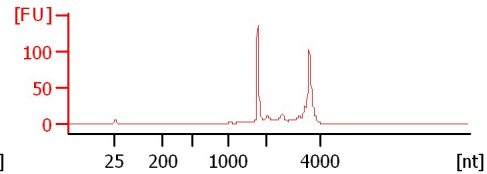
A3-434A-2
RIN: 9.10



A3-M2-1
RIN: 9.90



A3-M2-2
RIN: 9.20



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RP1_BSL_M4_LVR_RNA_ALQ2		✓	RIN: 7.80	
RP1_BSL_M5_LVR_RNA_ALQ2		✓	RIN: 7.70	
RP1_BSL_M7_LVR_RNA_ALQ2		✓	RIN:7	
RP1_BSL_M8_LVR_RNA_ALQ2		✓	RIN: 6.90	
RP1_BSL_M10_LVR_RNA_ALQ2		✓	RIN: 8.30	
RP1_VIV_M16_LVR_RNA_ALQ2		✓	RIN:7	
RP1_VIV_M17_LVR_RNA_ALQ2		✓	RIN: 7.70	
RP1_VIV_M18_LVR_RNA_ALQ2		✓	RIN: 7.70	
A3-E434A-1		✓	RIN: 9.80	
A3-434A-2		✓	RIN: 9.10	
A3-M2-1		✓	RIN: 9.90	
A3-M2-2		✓	RIN: 9.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 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

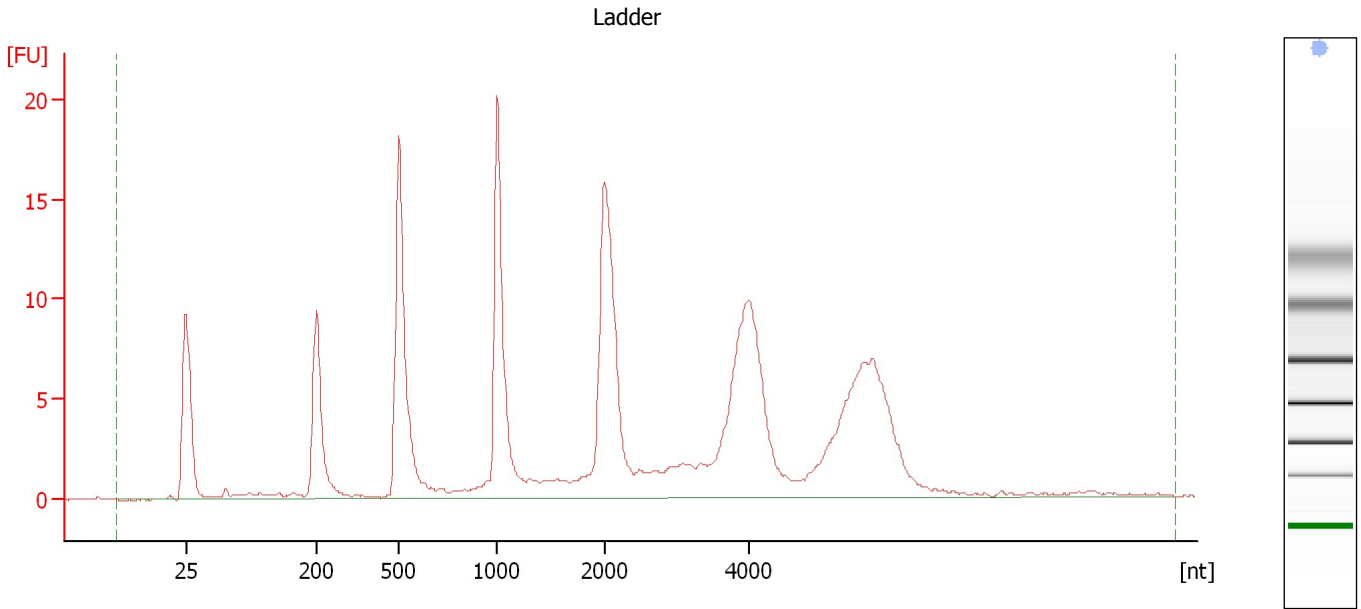
Ladder

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\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary



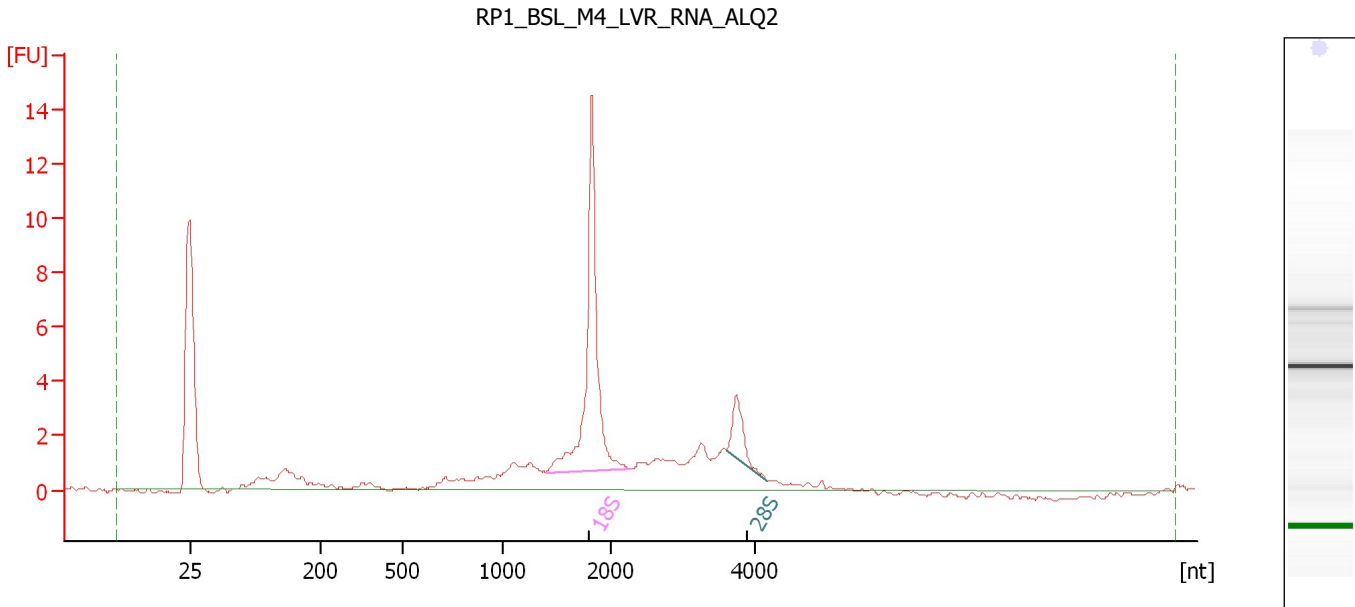
Overall Results for Ladder

RNA Area:	205.5	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\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
 Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : RP1_BSL_M4_LVR_RNA_ALQ2

RNA Area:	58.1	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	42 ng/μl		
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.80

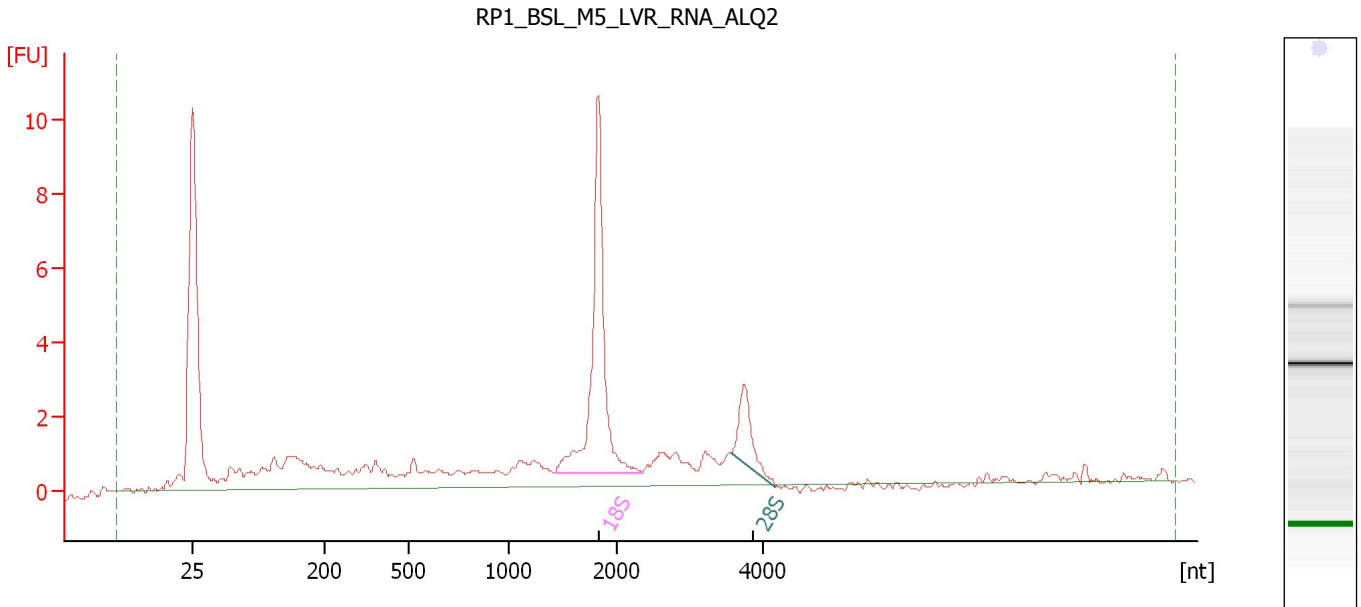
Fragment table for sample 1 : RP1_BSL_M4_LVR_RNA_ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,408	2,285	17.8	30.7
28S	3,595	4,155	2.7	4.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
 Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RP1_BSL_M5_LVR_RNA_ALQ2

RNA Area:	58.7	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	43 ng/μl		
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.70

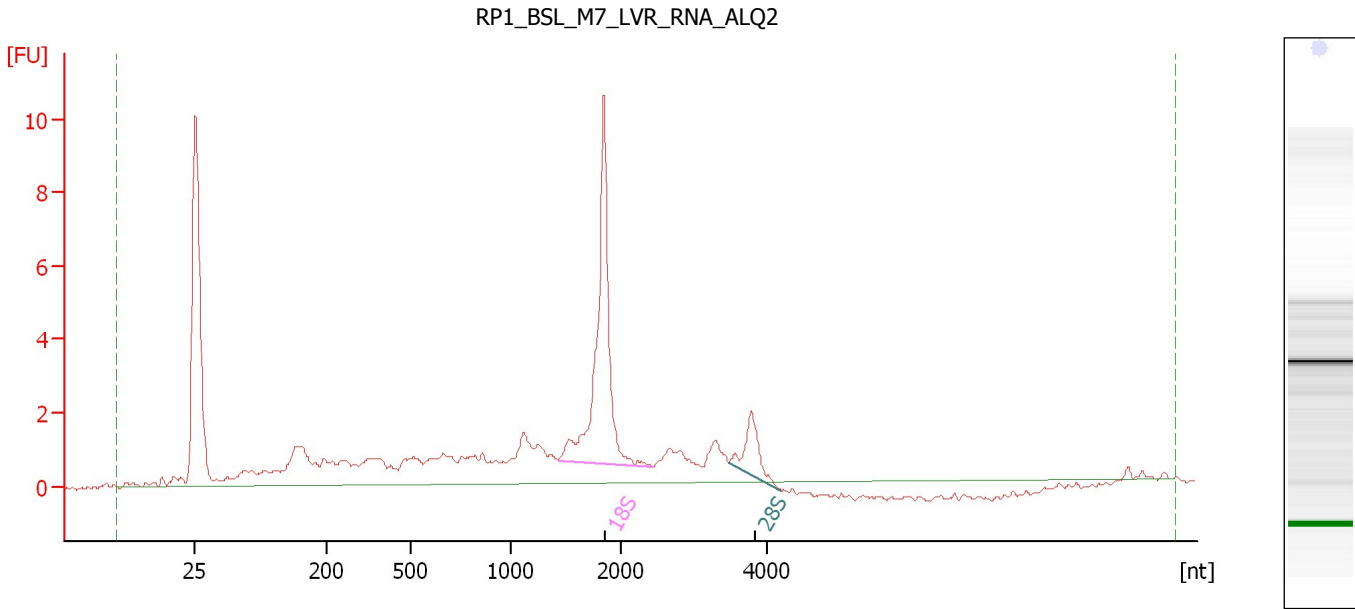
Fragment table for sample 2 : RP1_BSL_M5_LVR_RNA_ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,426	2,363	14.4	24.5
28S	3,562	4,176	3.0	5.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RP1_BSL_M7_LVR_RNA_ALQ2

RNA Area: 60.4 RNA Integrity Number (RIN): 7 (B.02.08)
RNA Concentration: 44 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN:7

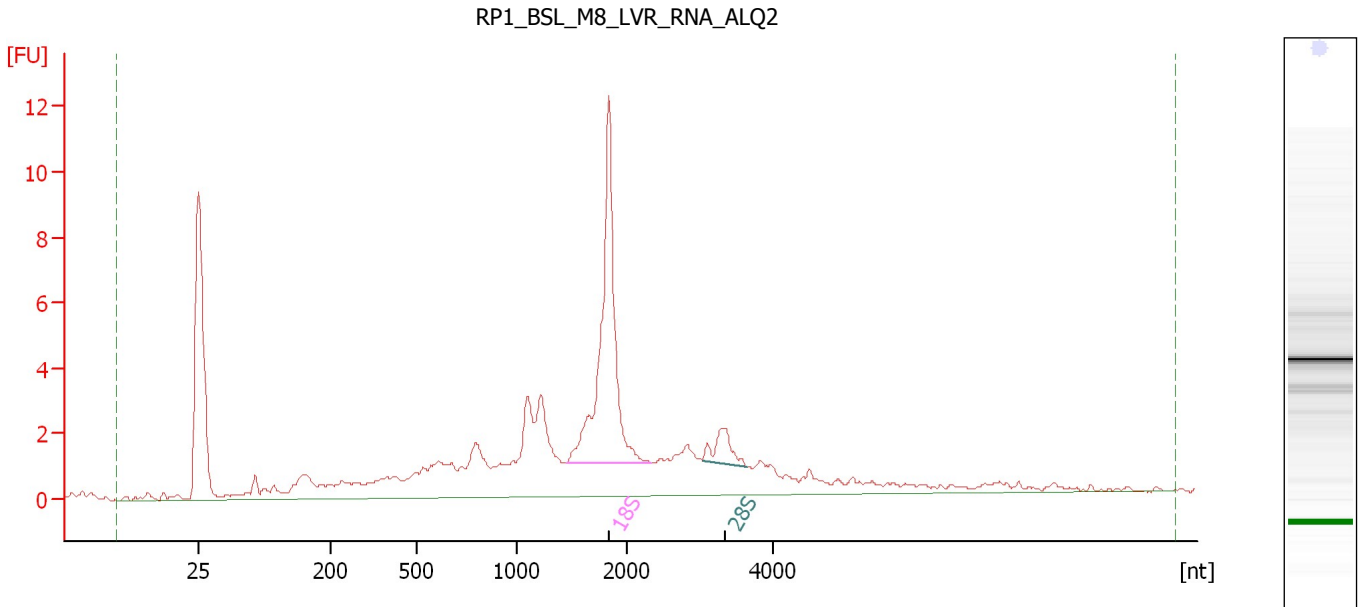
Fragment table for sample 3 : RP1_BSL_M7_LVR_RNA_ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,431	2,438	14.8	24.5
28S	3,472	4,200	2.6	4.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
 Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : RP1 BSL M8 LVR RNA ALQ2

RNA Area:	88.9	RNA Integrity Number (RIN):	6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	65 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.90

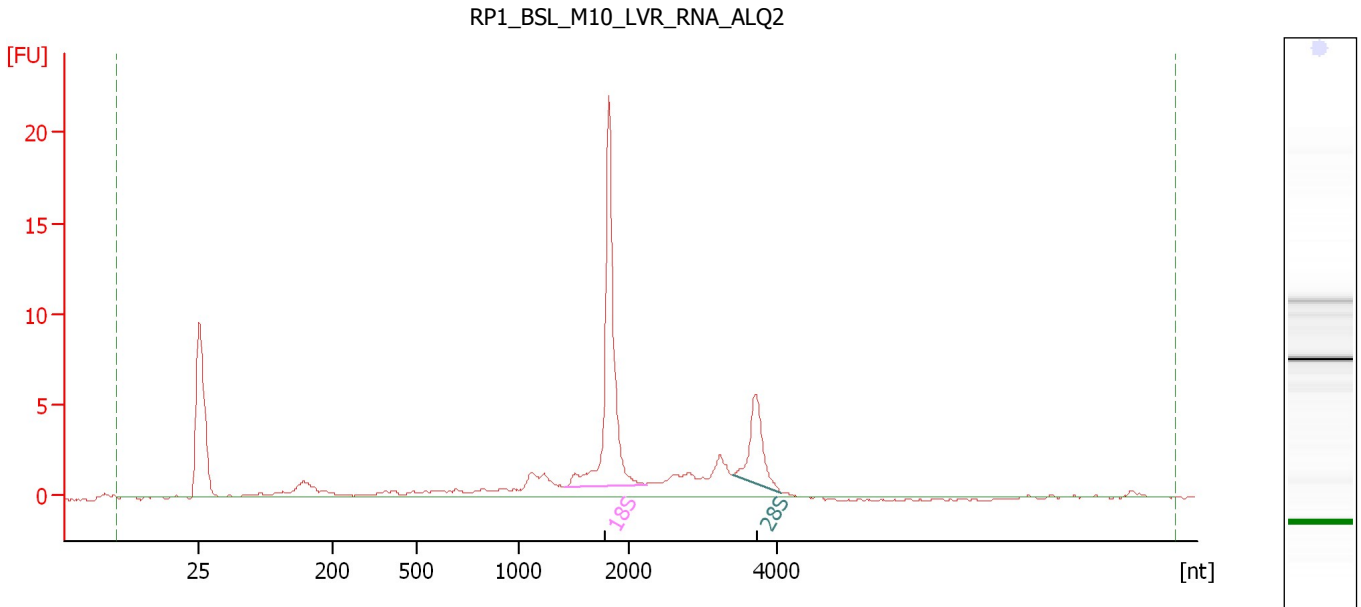
Fragment table for sample 4 : RP1 BSL M8 LVR RNA ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,458	2,326	18.7	21.1
28S	3,034	3,628	2.1	2.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RP1_BSL_M10_LVR_RNA_ALQ2

RNA Area:	64.9	RNA Integrity Number (RIN):	8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	47 ng/μl		
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.30

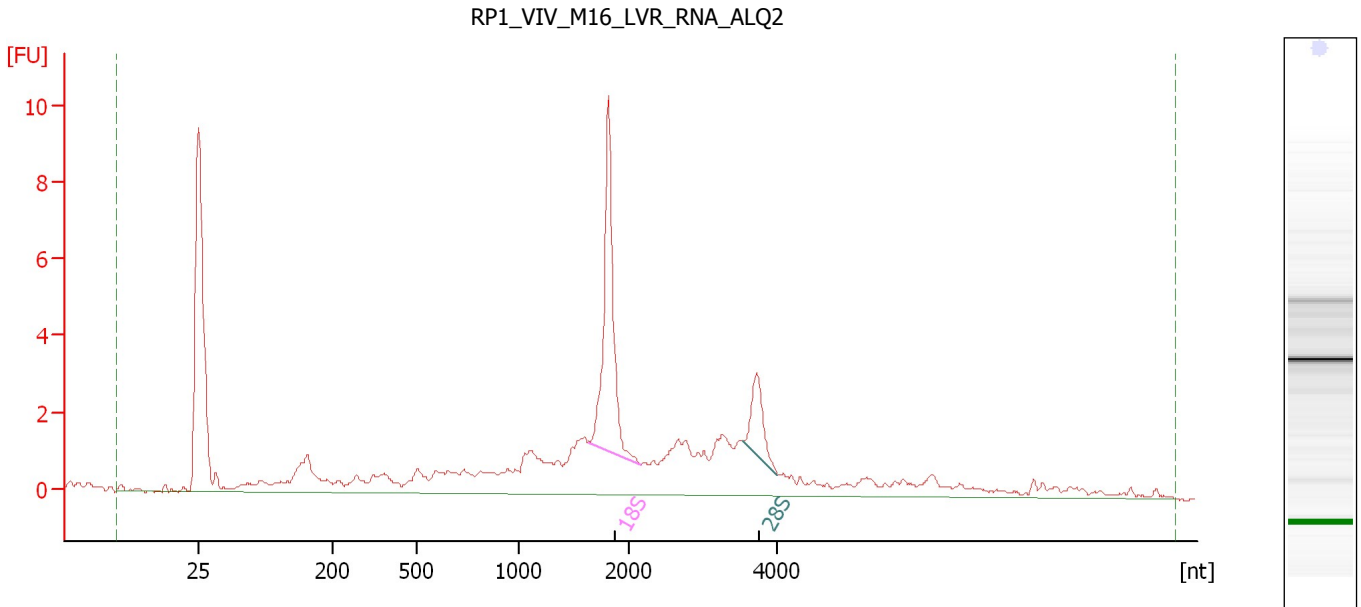
Fragment table for sample 5 : RP1_BSL_M10_LVR_RNA_ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,422	2,240	23.8	36.7
28S	3,410	4,074	6.9	10.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
 Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RP1_VIV_M16_LVR_RNA_ALQ2

RNA Area:	67.4	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	49 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN:7

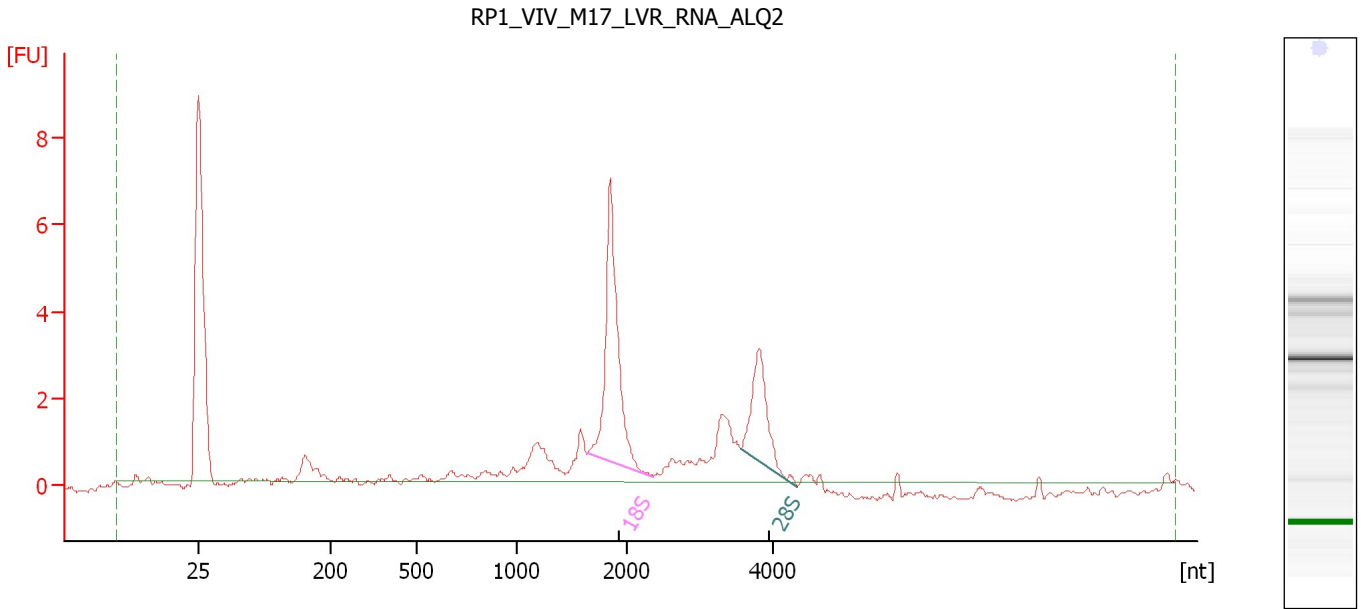
Fragment table for sample 6 : RP1_VIV_M16_LVR_RNA_ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	2,168	10.6	15.7
28S	3,554	4,016	2.6	3.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RP1_VIV_M17_LVR_RNA_ALQ2

RNA Area:	33.0	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 7.70

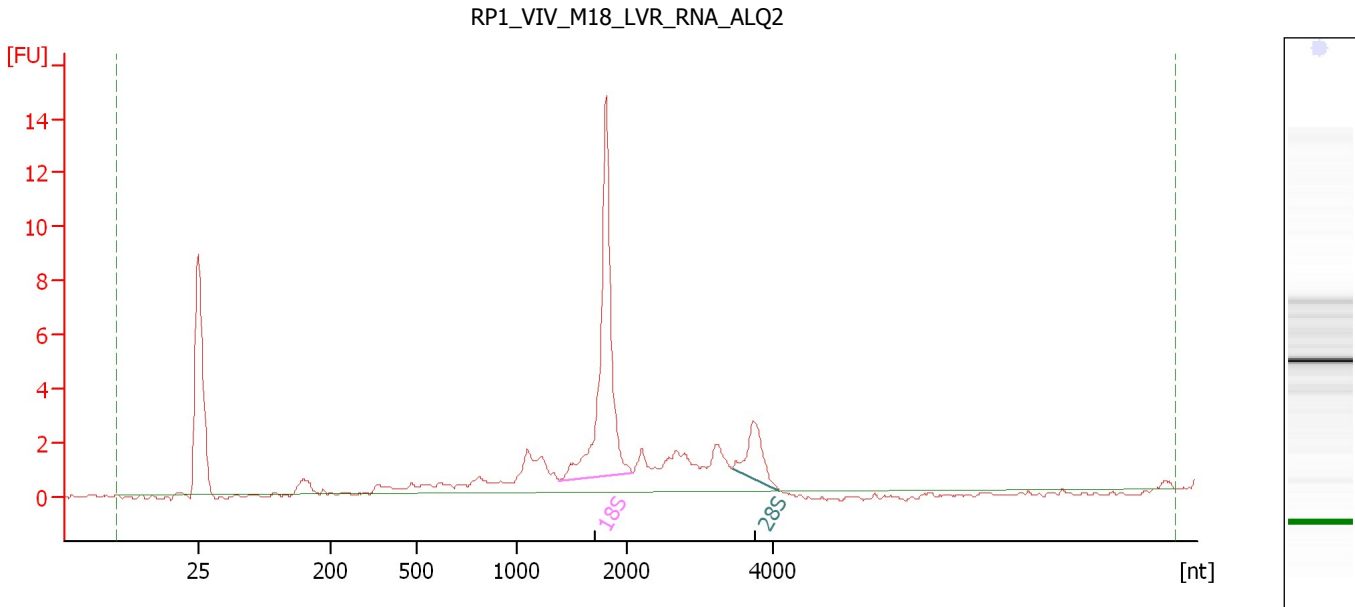
Fragment table for sample 7 : RP1_VIV_M17_LVR_RNA_ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	2,369	9.8	29.7
28S	3,555	4,322	4.3	13.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
 Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : RP1_VIV_M18_LVR_RNA_ALQ2

RNA Area:	53.1	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	39 ng/μl		
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.70

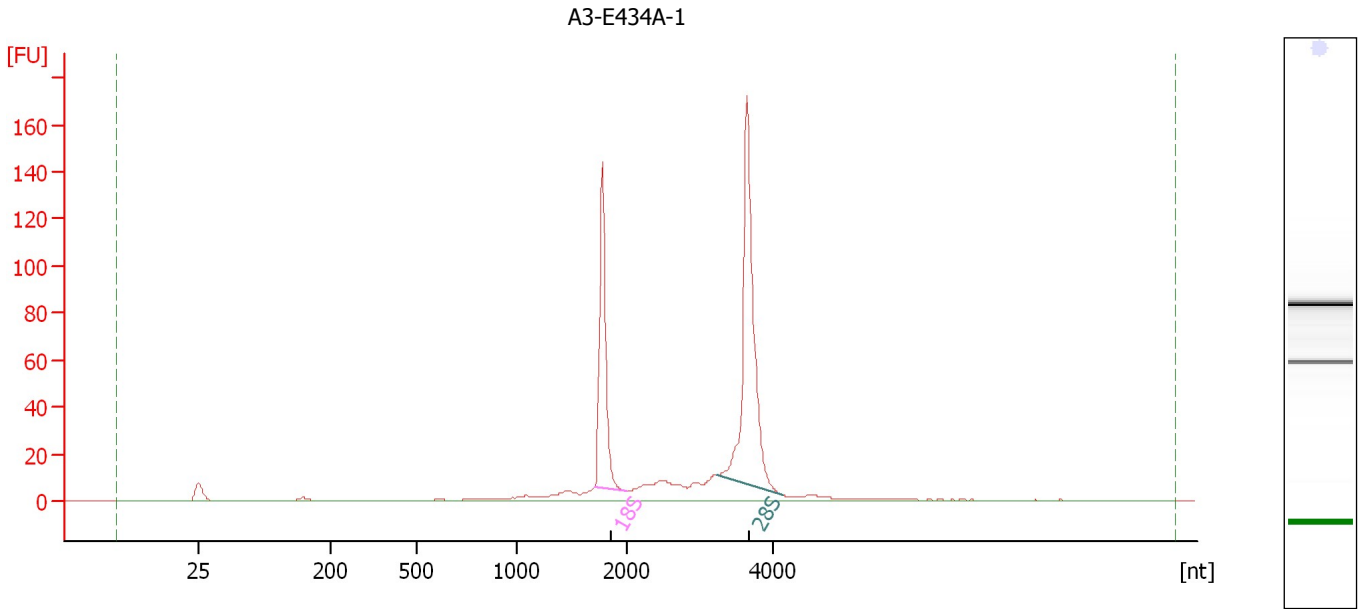
Fragment table for sample 8 : RP1_VIV_M18_LVR_RNA_ALQ2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,390	2,094	19.3	36.3
28S	3,439	4,076	3.7	7.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : A3-E434A-1

RNA Area: 484.2 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 353 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.80

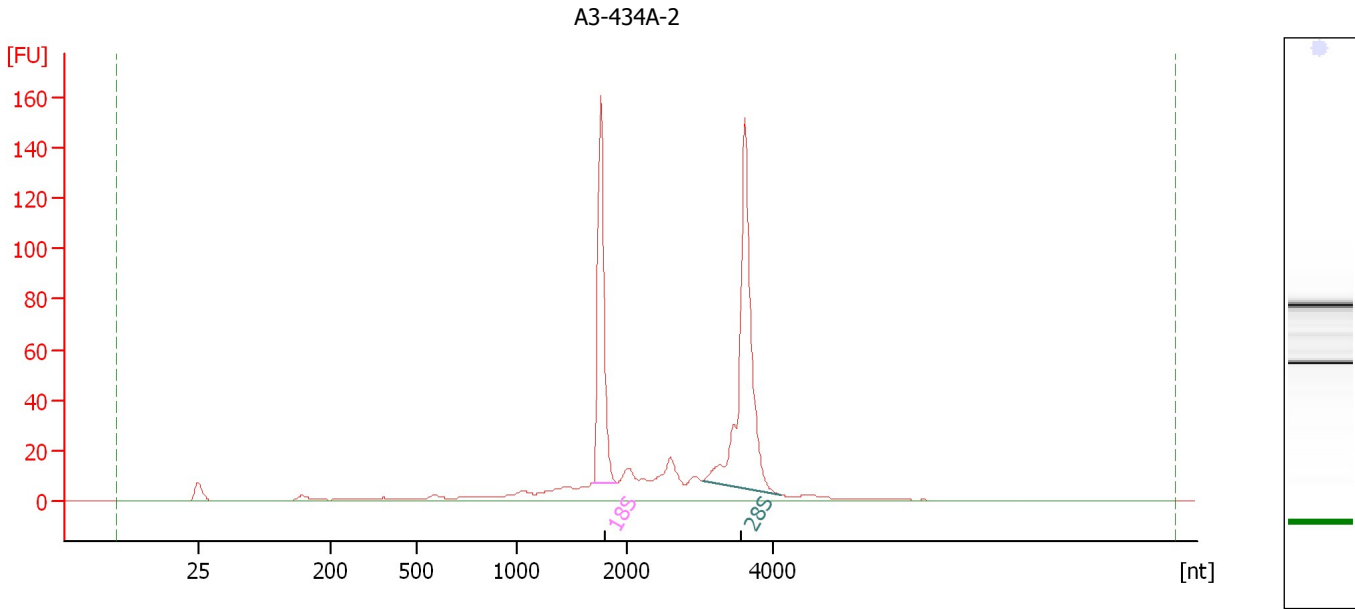
Fragment table for sample 9 : A3-E434A-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,022	108.3	22.4
28S	3,237	4,119	191.3	39.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : A3-434A-2

RNA Area: 550.7 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 402 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.10

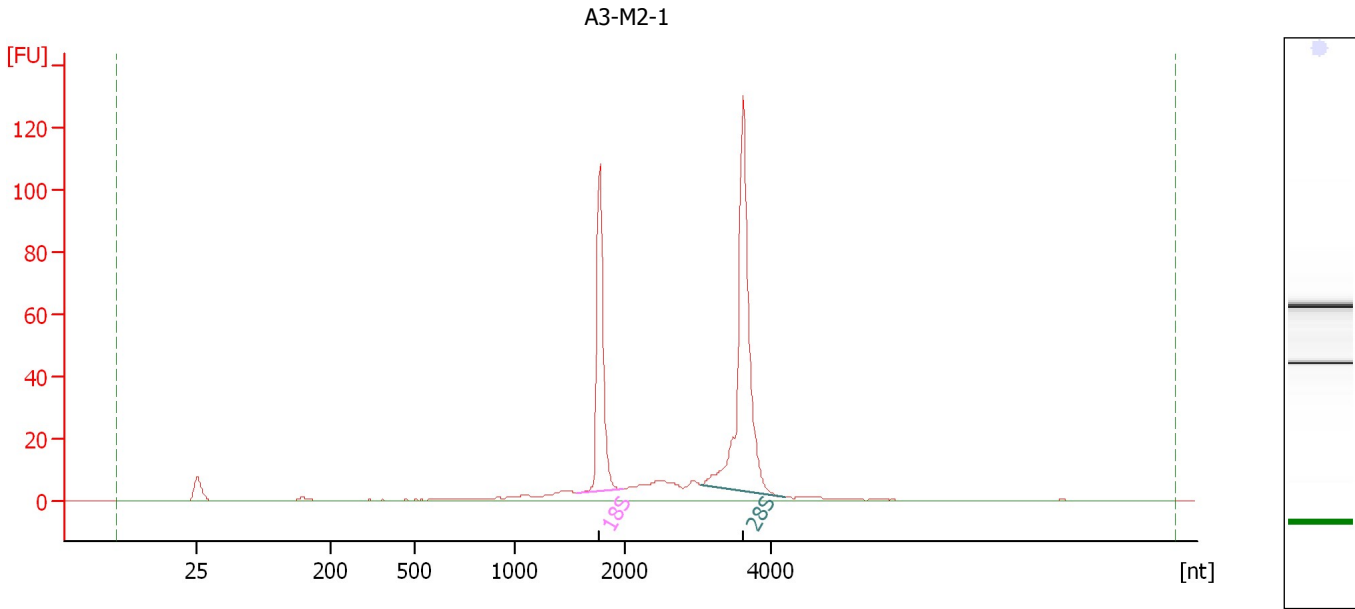
Fragment table for sample 10 : A3-434A-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	1,917	117.9	21.4
28S	3,034	4,105	189.5	34.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : A3-M2-1

RNA Area:	355.0	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	259 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.90

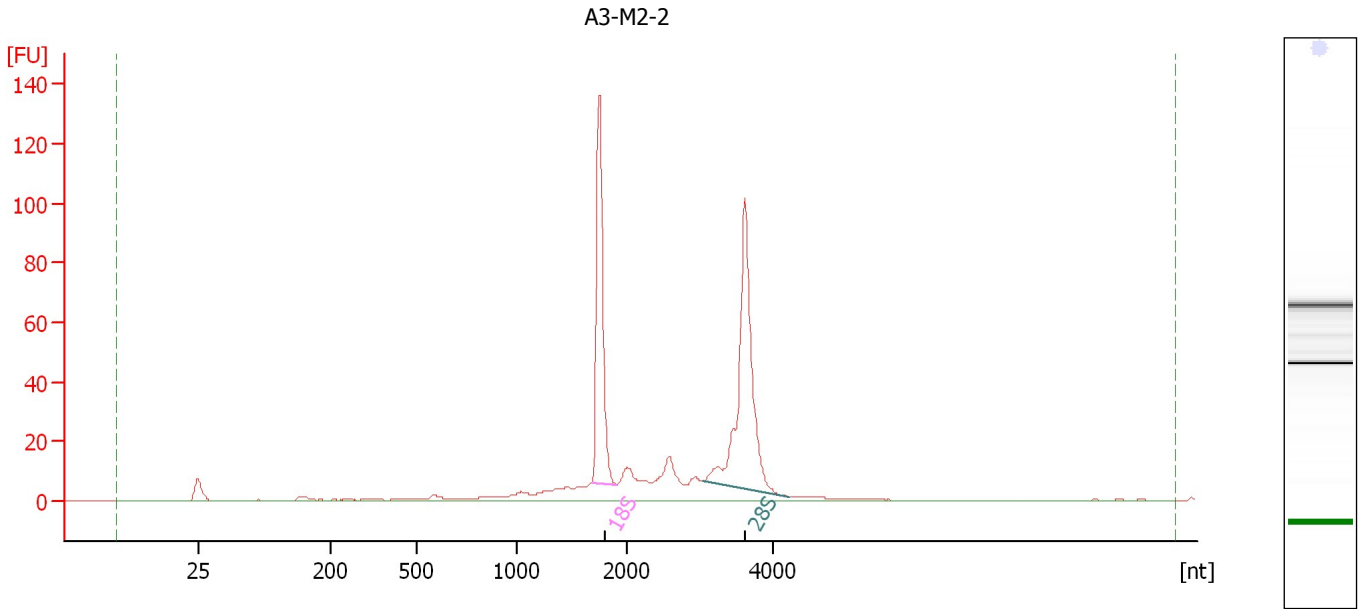
Fragment table for sample 11 : A3-M2-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	1,984	82.9	23.4
28S	3,049	4,180	149.3	42.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : A3-M2-2

RNA Area:	423.4	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	309 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.20

Fragment table for sample 12 : A3-M2-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	1,907	100.3	23.7
28S	3,049	4,206	140.5	33.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_004.xad

Created: 8/28/2017 12:30:09 PM
Modified: 8/28/2017 12:54:00 PM

Gel Image

