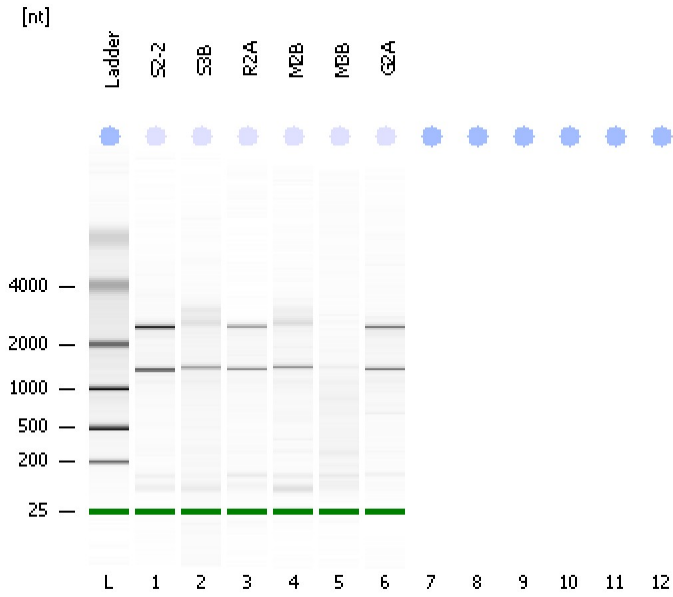


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 PM

Electrophoresis File Run Summary



Instrument Information:

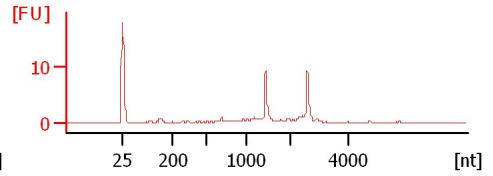
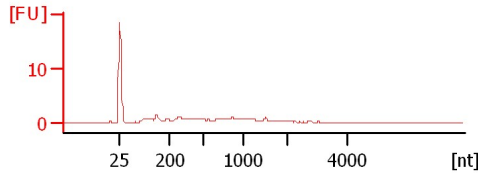
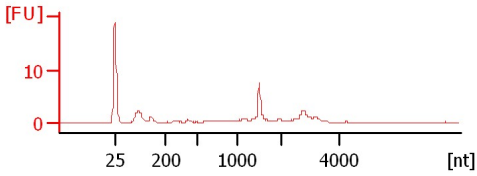
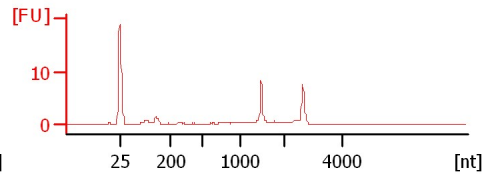
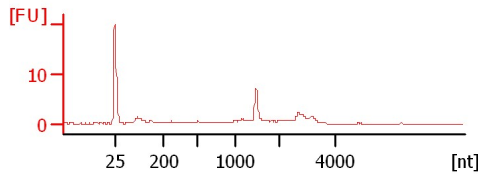
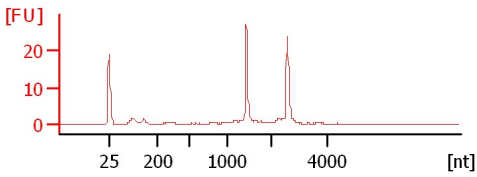
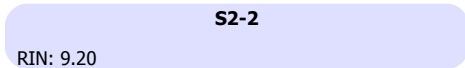
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
 Modified: 1/25/2019 3:14:32 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
S2-2		✓	RIN: 9.20	
S3B		✓	RIN: 7.40	
R2A		✓	RIN: 8.30	
M2B		✓	RIN: 7.30	
M3B		✓	RIN: 3.80	
G2A		✓	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\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 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

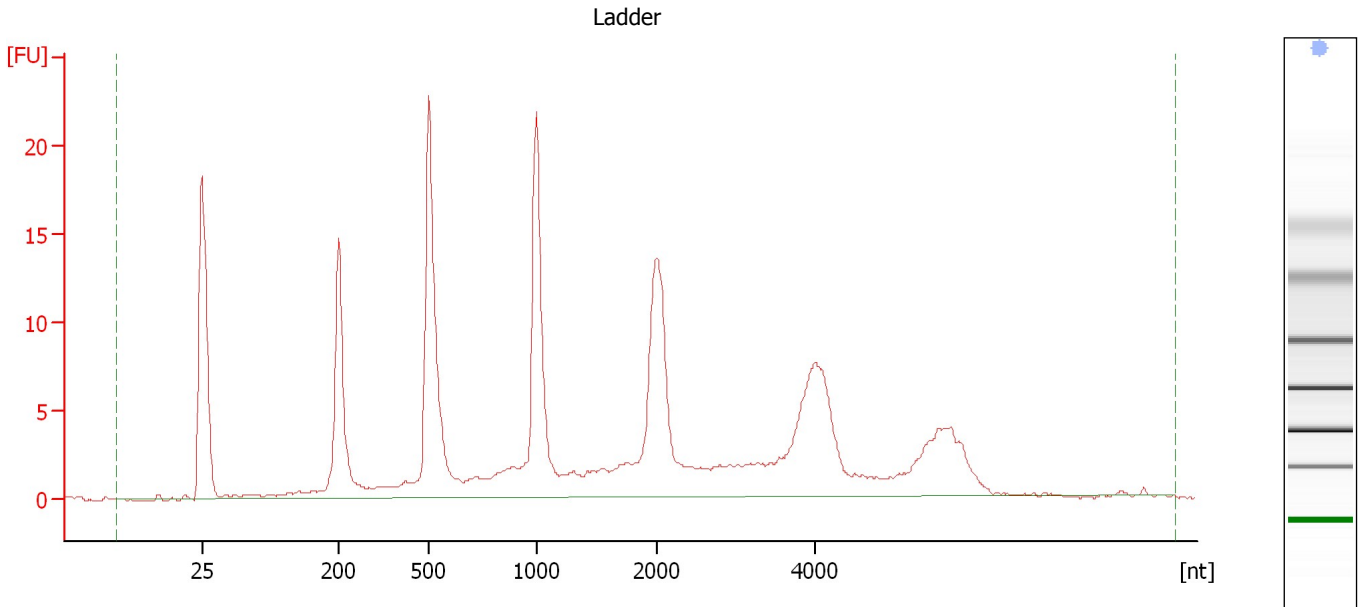
Ladder

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\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 PM

Electropherogram Summary



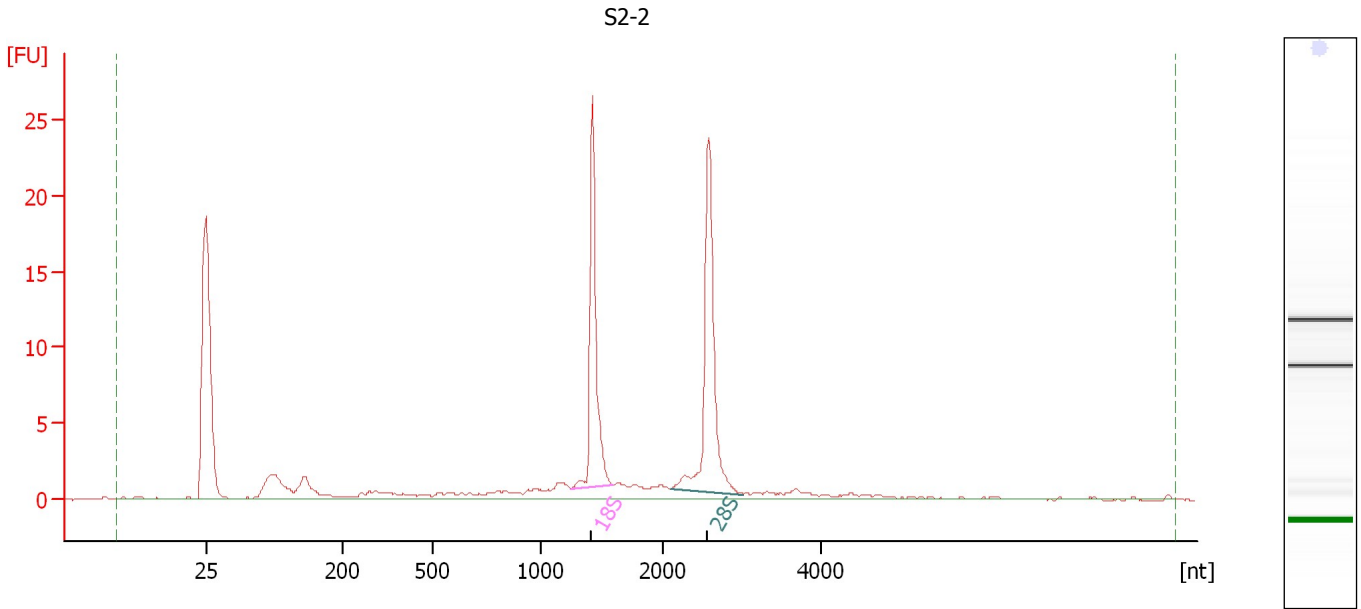
Overall Results for Ladder

RNA Area:	216.4	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : S2-2

RNA Area:	84.8	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.20

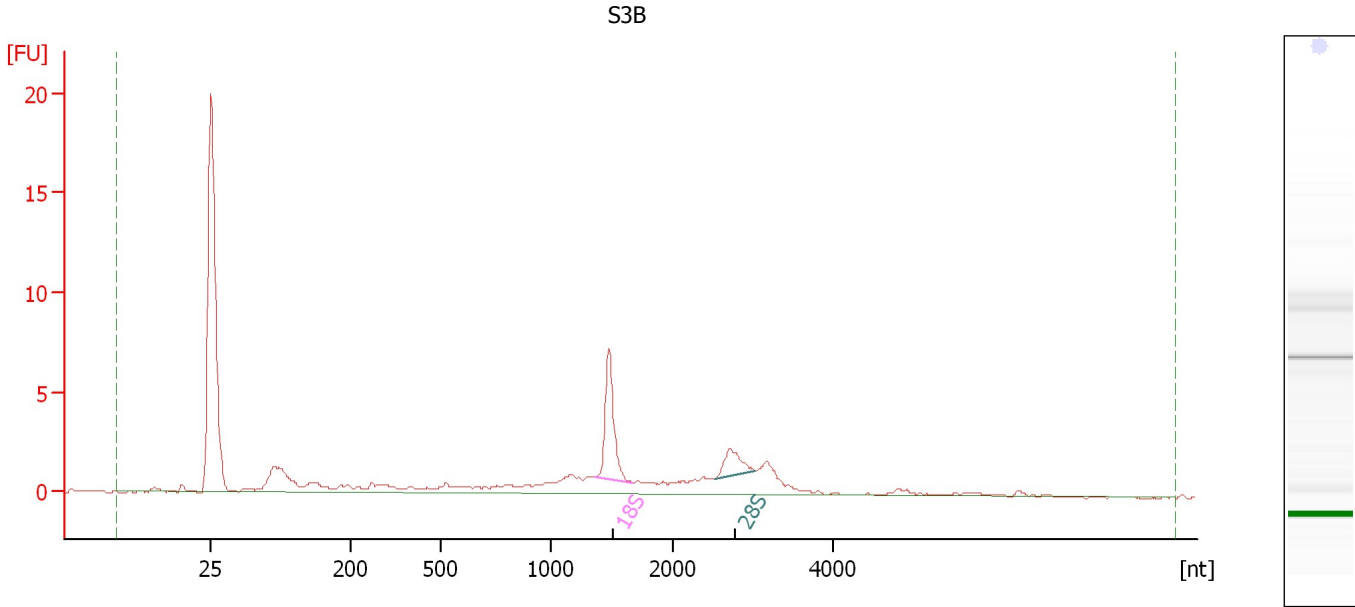
Fragment table for sample 1 : S2-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,246	1,598	20.9	24.6
28S	2,111	3,010	24.3	28.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : S3B

RNA Area: 50.4 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 35 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 7.40

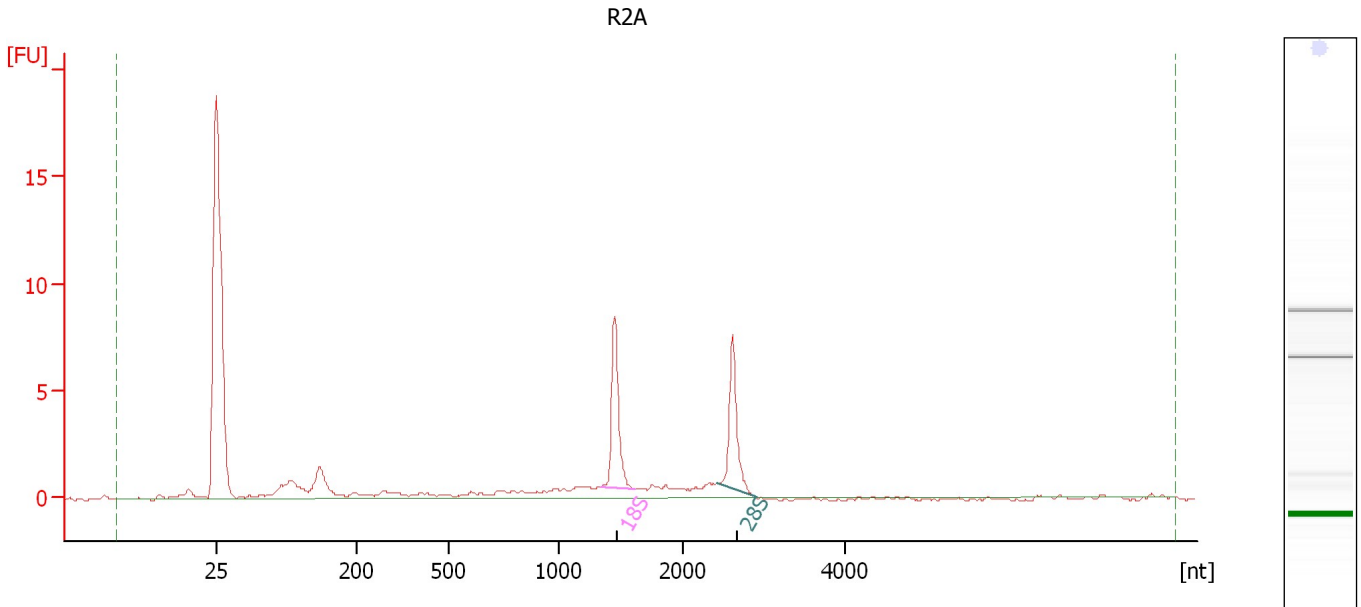
Fragment table for sample 2 : S3B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,371	1,676	7.1	14.1
28S	2,528	3,020	2.5	5.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : R2A

RNA Area:	36.0	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	25 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.30

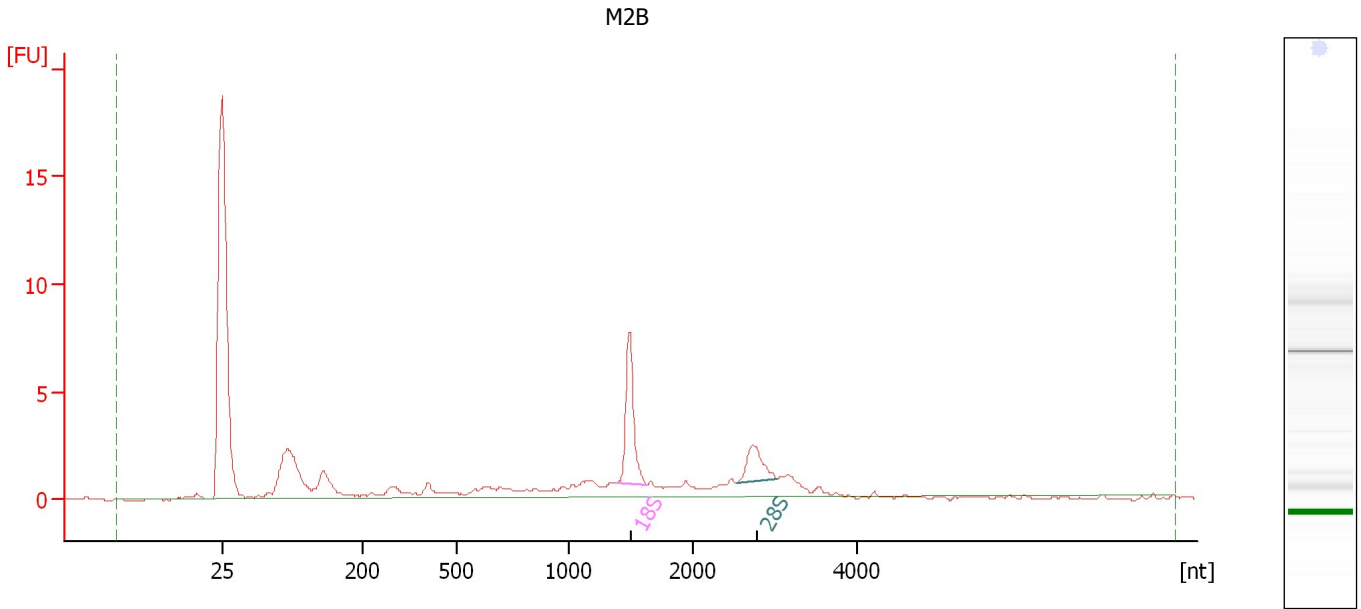
Fragment table for sample 3 : R2A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,339	1,614	6.6	18.3
28S	2,424	2,897	6.3	17.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : M2B

RNA Area: 46.8 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 32 ng/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 7.30

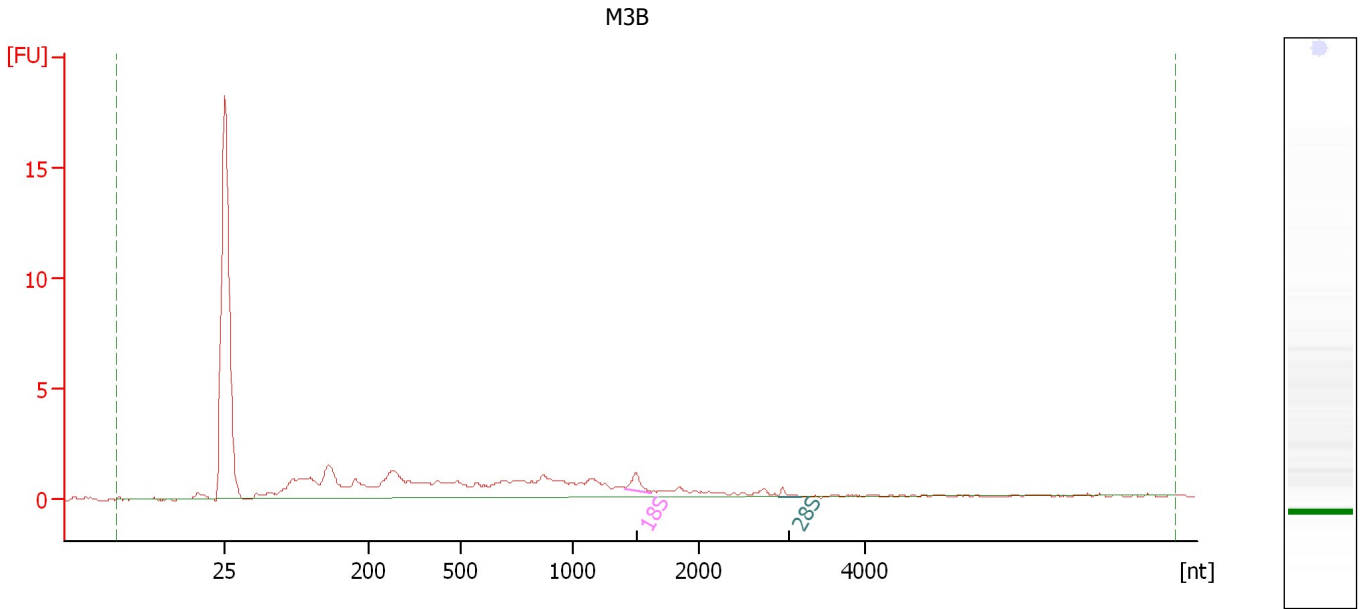
Fragment table for sample 4 : M2B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,392	1,631	6.5	14.0
28S	2,543	3,024	2.9	6.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : M3B

RNA Area:	41.8	RNA Integrity Number (RIN):	3.8 (B.02.08)
RNA Concentration:	29 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 3.80

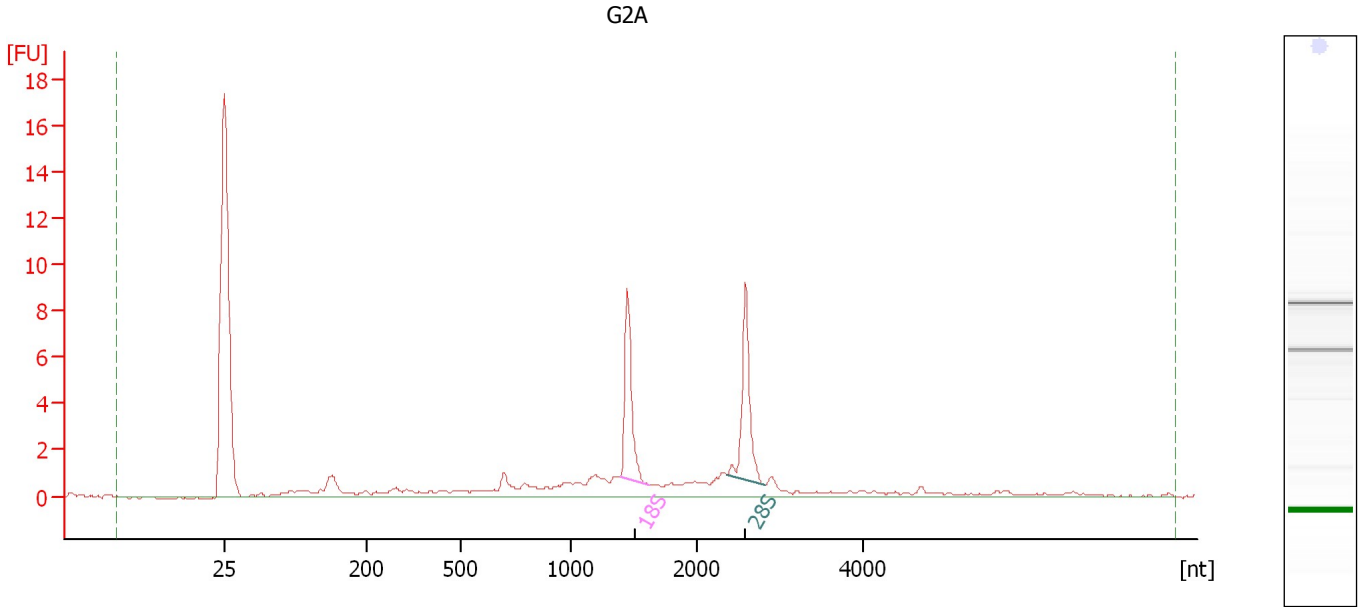
Fragment table for sample 5 : M3B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,415	1,618	0.8	1.9
28S	2,957	3,229	0.3	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : G2A

RNA Area: 42.7 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 30 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.80

Fragment table for sample 6 : G2A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,388	1,617	6.6	15.4
28S	2,361	2,828	7.0	16.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-25\2019-01-25_008.xad

Created: 1/25/2019 2:59:26 PM
Modified: 1/25/2019 3:14:32 PM

Gel Image

