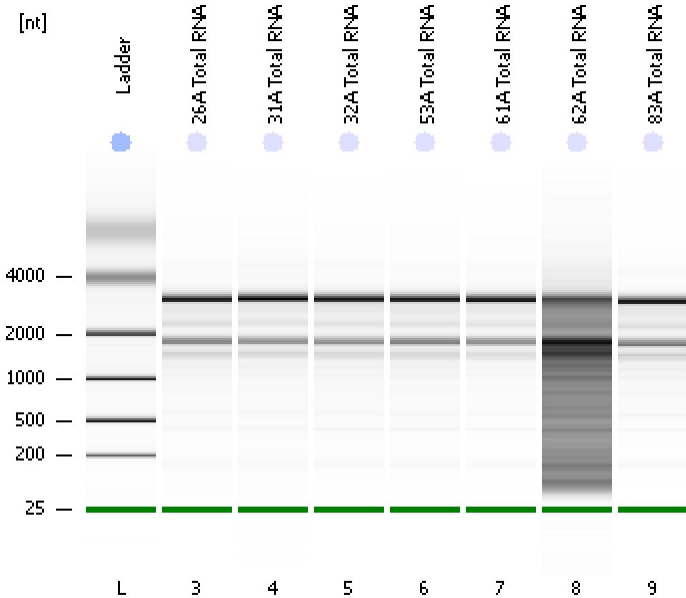


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
Modified: 1/10/2014 3:45:50 PM

Electrophoresis File Run Summary

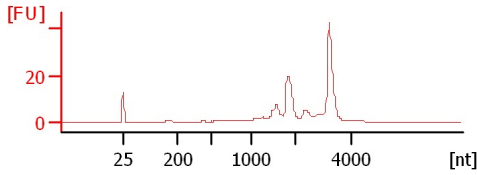


Instrument Information:
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

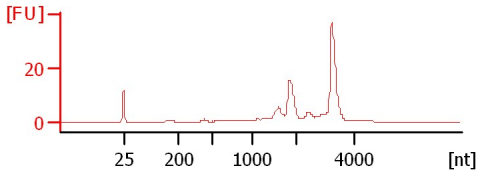
Assay Information:
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

Chip Information:
Chip Lot #: © Copyright 2003 - 2009 Agilent Technologies, Inc.
Reagent Kit Lot #: Chip Comments:

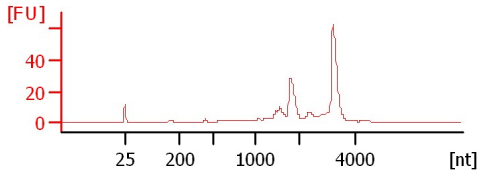
26A Total RNA
RIN: 8.30



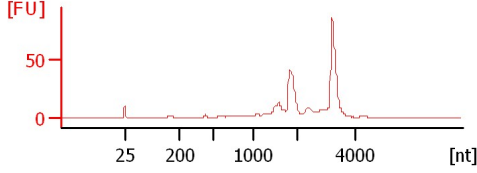
31A Total RNA
RIN: 8.30



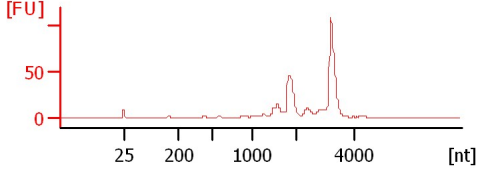
32A Total RNA
RIN: 8.30



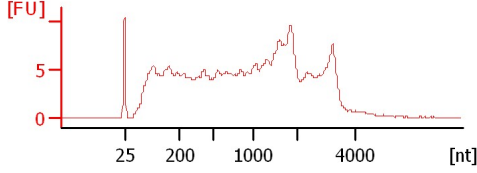
53A Total RNA
RIN: 8.30



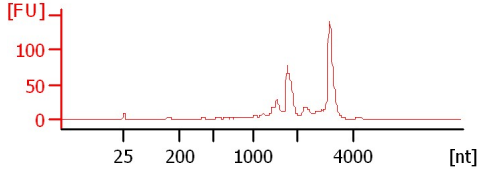
61A Total RNA
RIN: 8.40



62A Total RNA
RIN: 3.80



83A Total RNA
RIN: 8.30



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
26A Total RNA		✓	RIN: 8.30	
31A Total RNA		✓	RIN: 8.30	
32A Total RNA		✓	RIN: 8.30	
53A Total RNA		✓	RIN: 8.30	
61A Total RNA		✓	RIN: 8.40	
62A Total RNA		✓	RIN: 3.80	
83A Total RNA		✓	RIN: 8.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
Modified: 1/10/2014 3:45:50 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

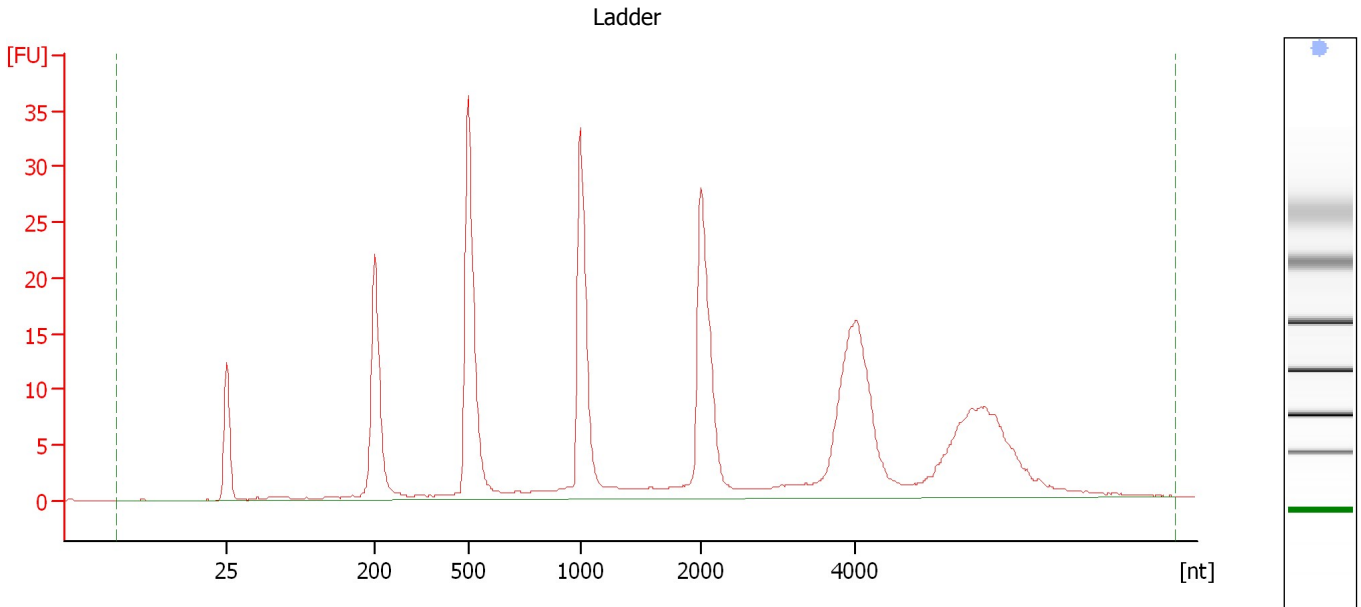
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary



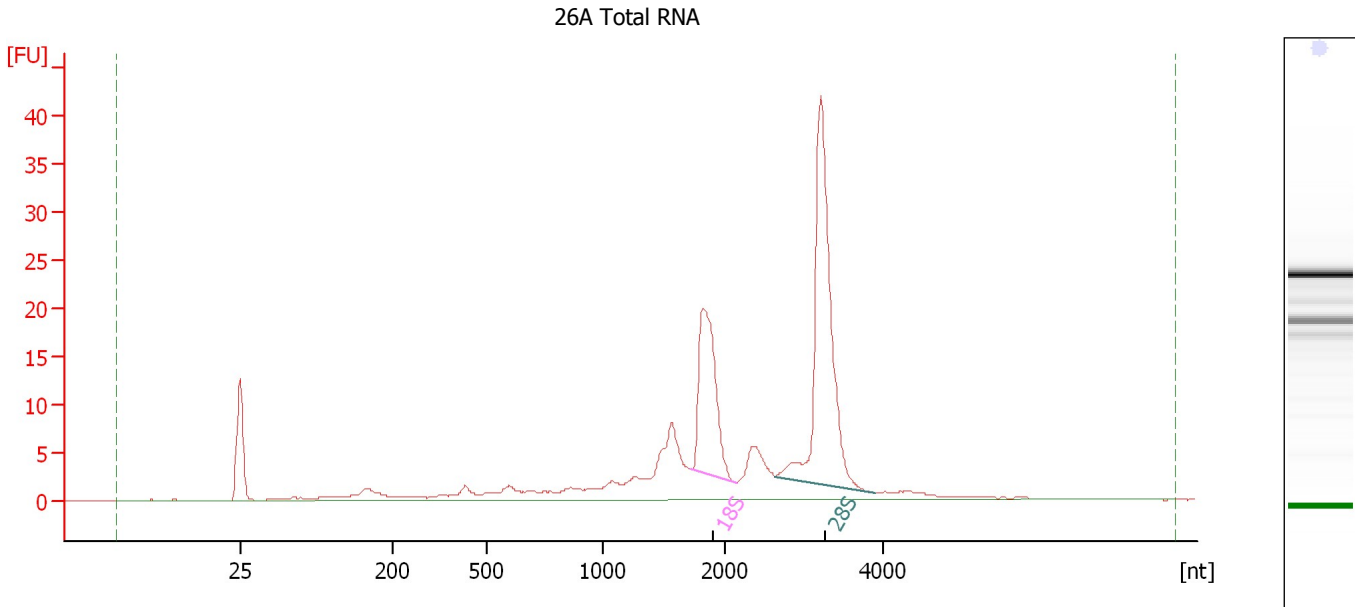
Overall Results for Ladder

RNA Area:	293.6	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 26A Total RNA

RNA Area:	199.3	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	102 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.30

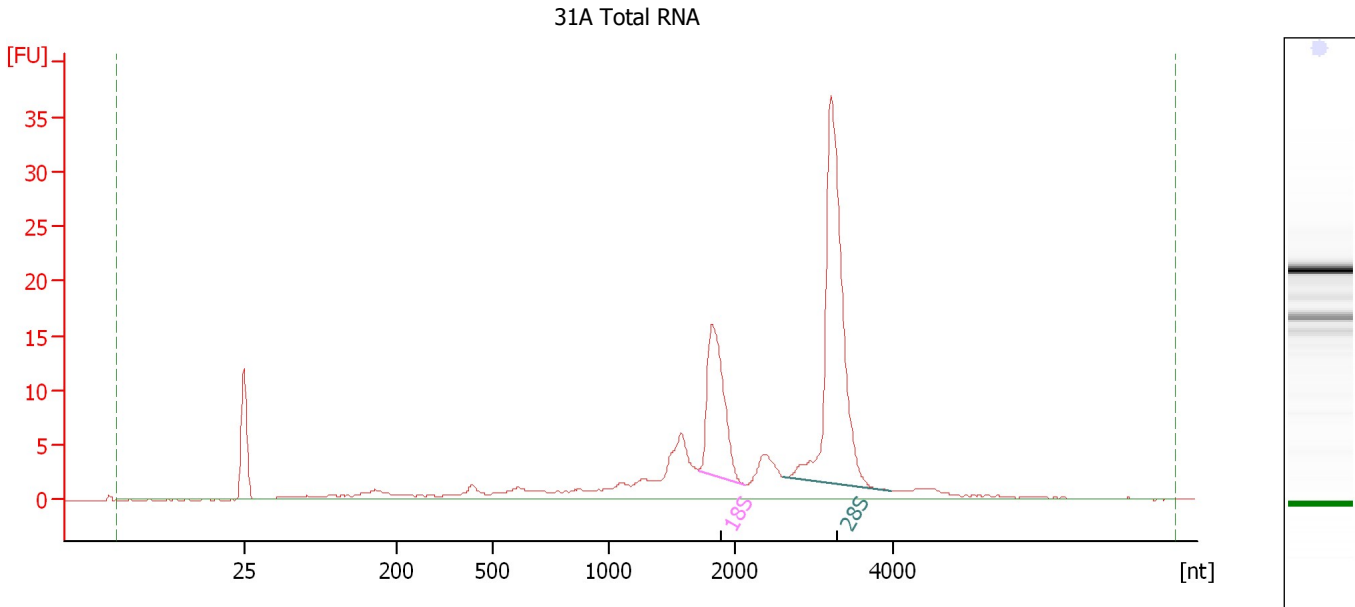
Fragment table for sample 3 : 26A Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,138	33.4	16.7
28S	2,626	3,887	63.4	31.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 31A Total RNA

RNA Area:	171.7	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	88 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 8.30

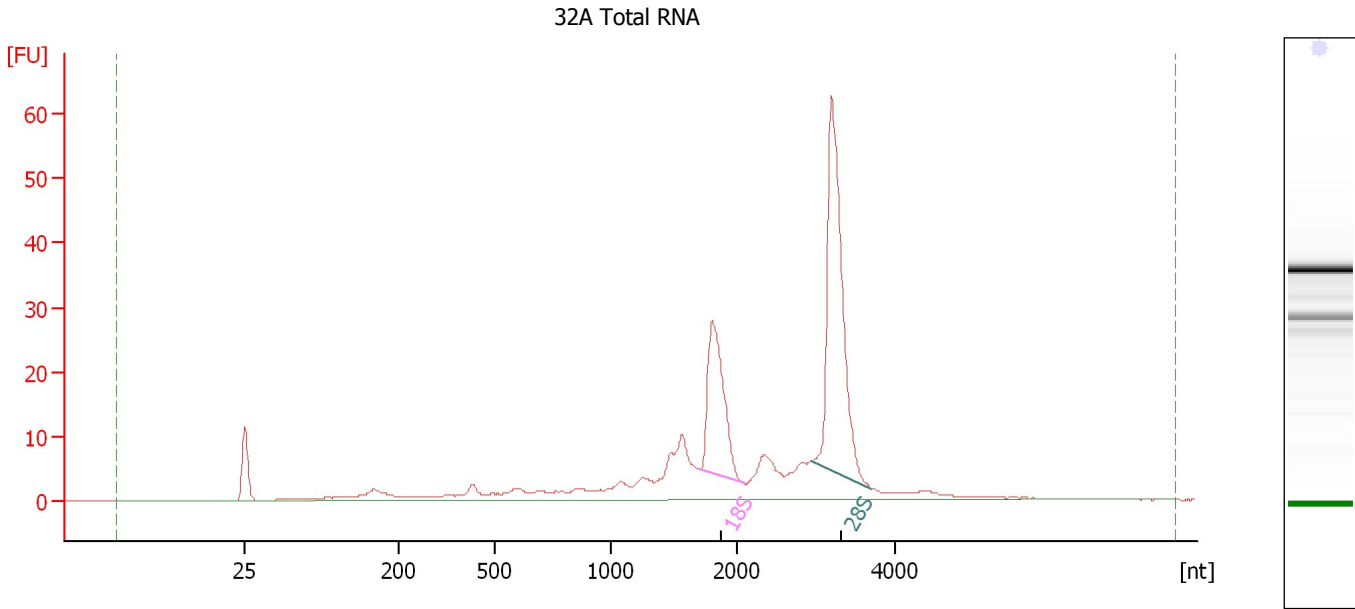
Fragment table for sample 4 : 31A Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,142	25.5	14.8
28S	2,626	3,985	59.9	34.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 32A Total RNA

RNA Area:	290.4	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	148 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.30

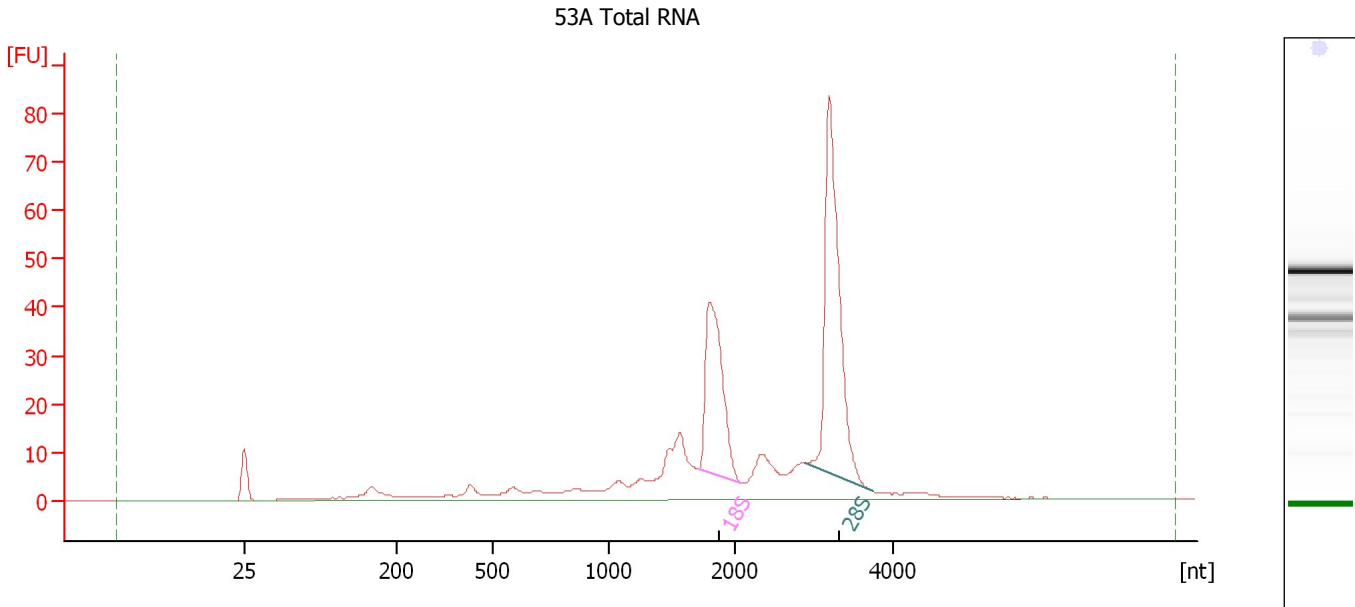
Fragment table for sample 5 : 32A Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,103	42.8	14.7
28S	2,949	3,700	86.3	29.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 53A Total RNA

RNA Area:	397.1	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	203 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.30

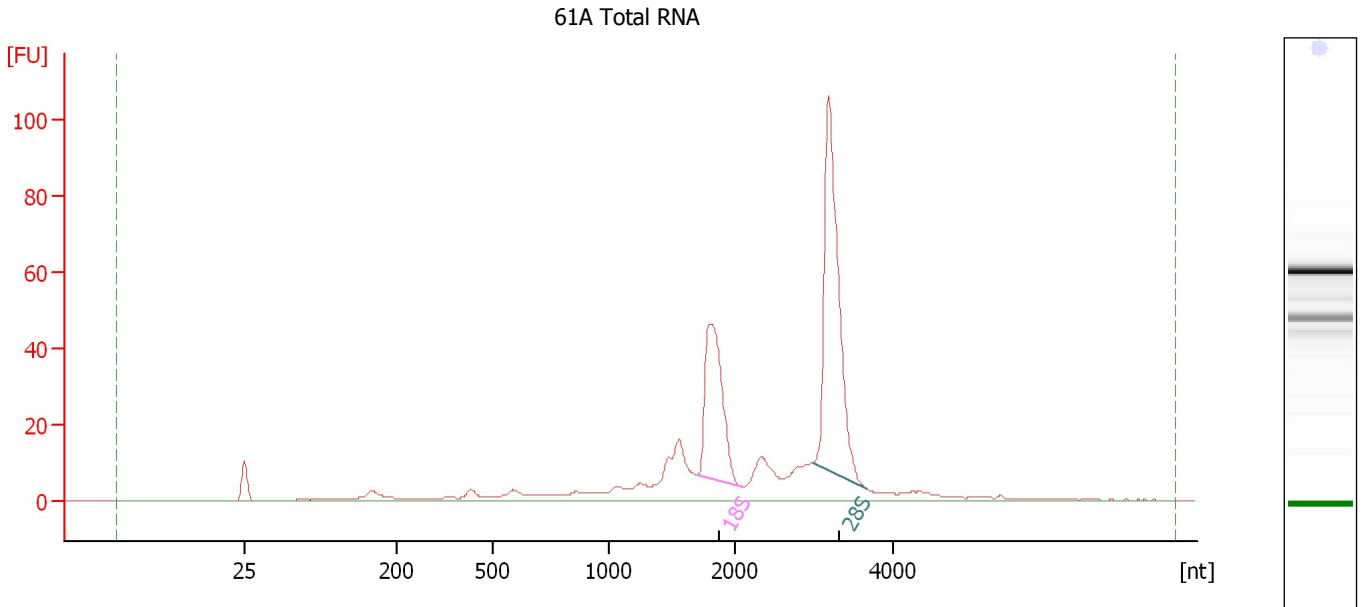
Fragment table for sample 6 : 53A Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,088	67.9	17.1
28S	2,895	3,743	113.0	28.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 61A Total RNA

RNA Area:	457.7	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	234 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.40

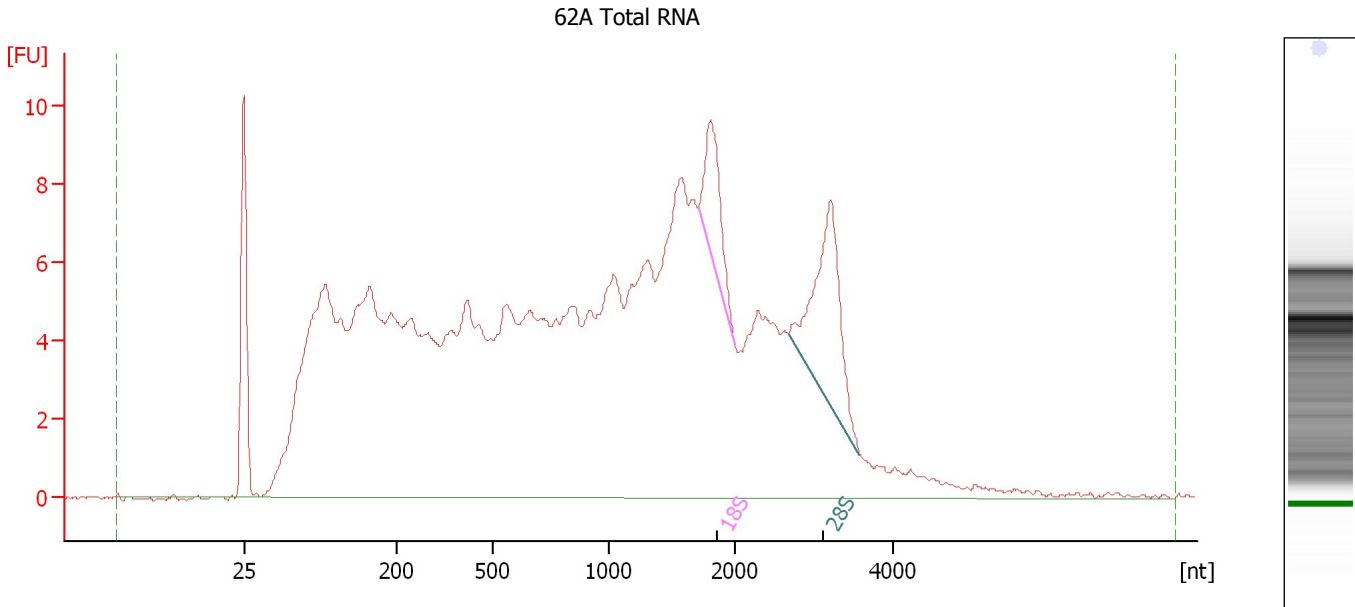
Fragment table for sample 7 : 61A Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,102	80.1	17.5
28S	2,989	3,676	143.8	31.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 62A Total RNA

RNA Area:	339.7	RNA Integrity Number (RIN):	3.8 (B.02.08)
RNA Concentration:	174 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 3.80

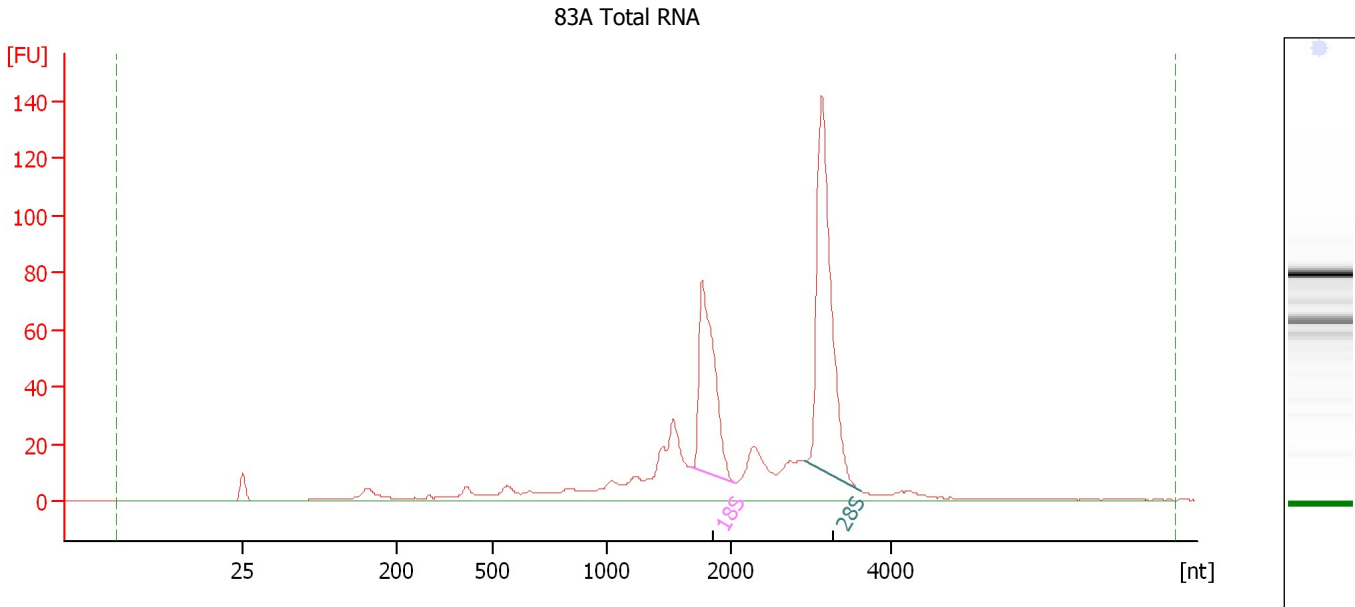
Fragment table for sample 8 : 62A Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,007	6.3	1.8
28S	2,680	3,581	13.1	3.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
 Modified: 1/10/2014 3:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 83A Total RNA

RNA Area:	672.4	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	344 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.30

Fragment table for sample 9 : 83A Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	2,033	117.4	17.5
28S	2,909	3,624	187.3	27.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...gs\Bioanalyzer\2013-12-18\2013-12-18_003_Randi_TotalRNA.xad

Created: 12/18/2013 1:29:20 PM
Modified: 1/10/2014 3:45:50 PM

Gel Image

