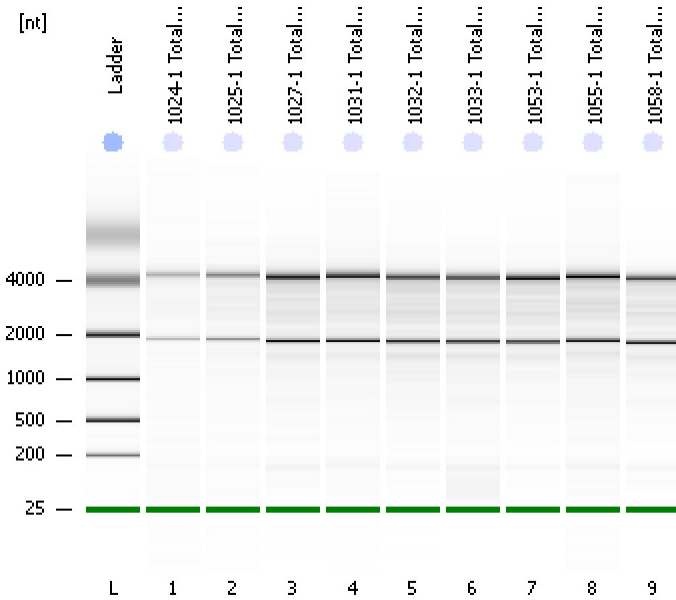


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
Modified: 1/23/2014 5:57:55 PM

Electrophoresis File Run Summary



Instrument Information:

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

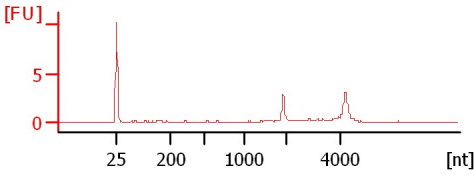
Assay Information:

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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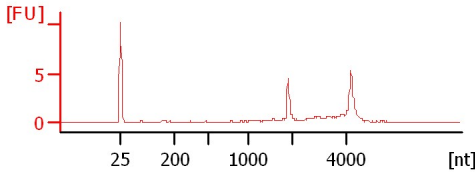
Chip Information:

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

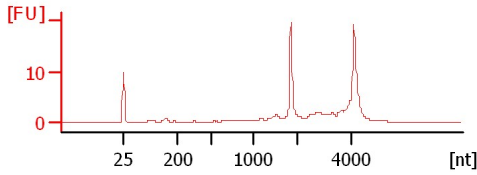
1024-1 Total RNA
RIN: 8.60



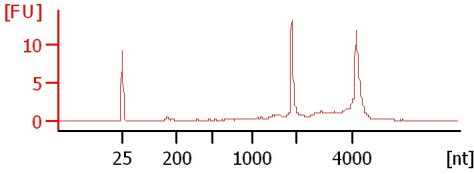
1025-1 Total RNA
RIN: 8.40



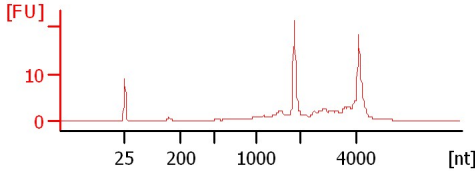
1027-1 Total RNA
RIN: 8.70



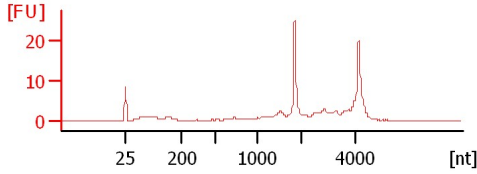
1031-1 Total RNA
RIN: 8.70



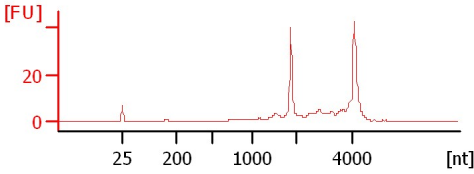
1032-1 Total RNA
RIN: 7.90



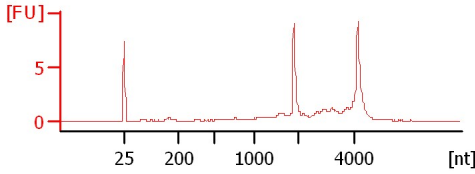
1033-1 Total RNA
RIN: 8.20



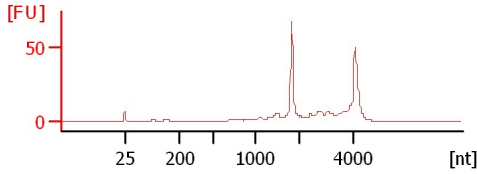
1053-1 Total RNA
RIN: 8.70



1055-1 Total RNA
RIN: 8.30



1058-1 Total RNA
RIN: 8.40



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1024-1 Total RNA		✓	RIN: 8.60	
1025-1 Total RNA		✓	RIN: 8.40	
1027-1 Total RNA		✓	RIN: 8.70	
1031-1 Total RNA		✓	RIN: 8.70	
1032-1 Total RNA		✓	RIN: 7.90	
1033-1 Total RNA		✓	RIN: 8.20	
1053-1 Total RNA		✓	RIN: 8.70	
1055-1 Total RNA		✓	RIN: 8.30	
1058-1 Total RNA		✓	RIN: 8.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
Modified: 1/23/2014 5:57:55 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

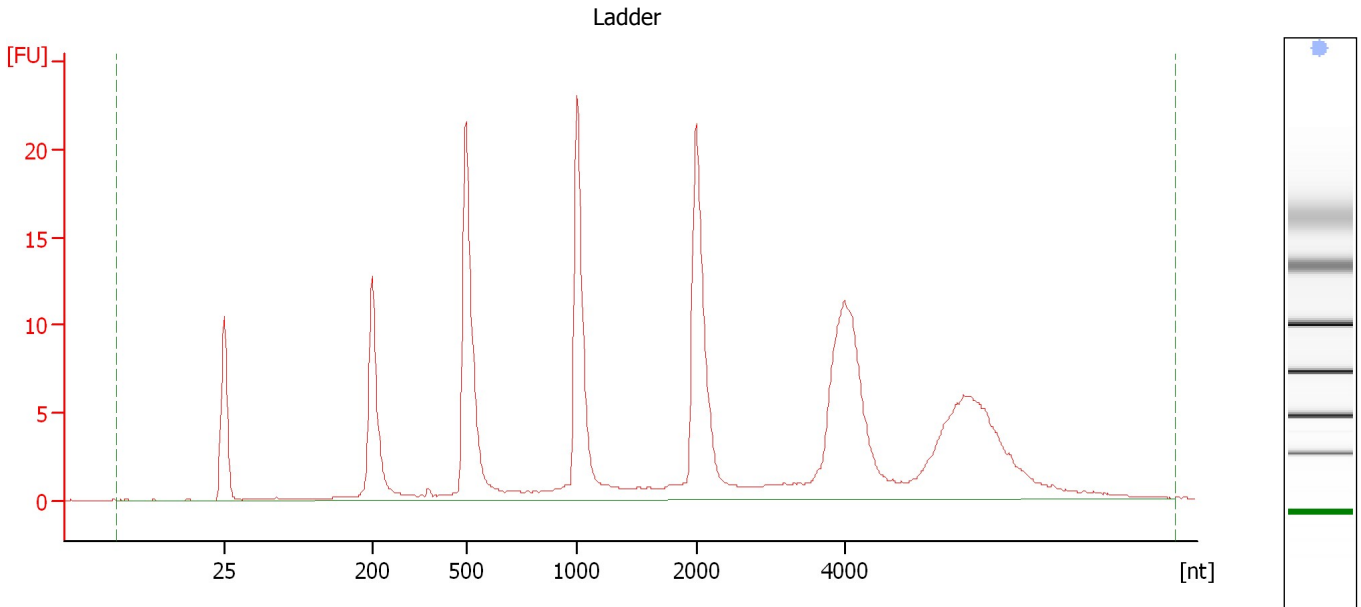
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary



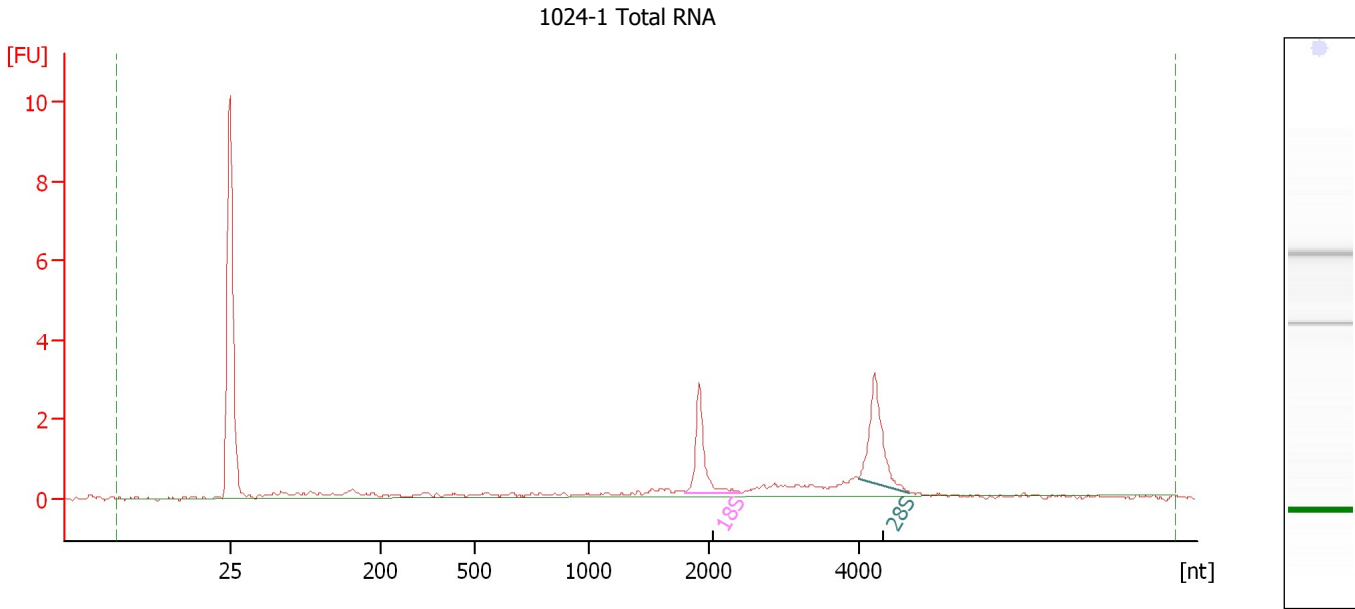
Overall Results for Ladder

RNA Area:	201.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1024-1 Total RNA

RNA Area:	18.2	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	14 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.60

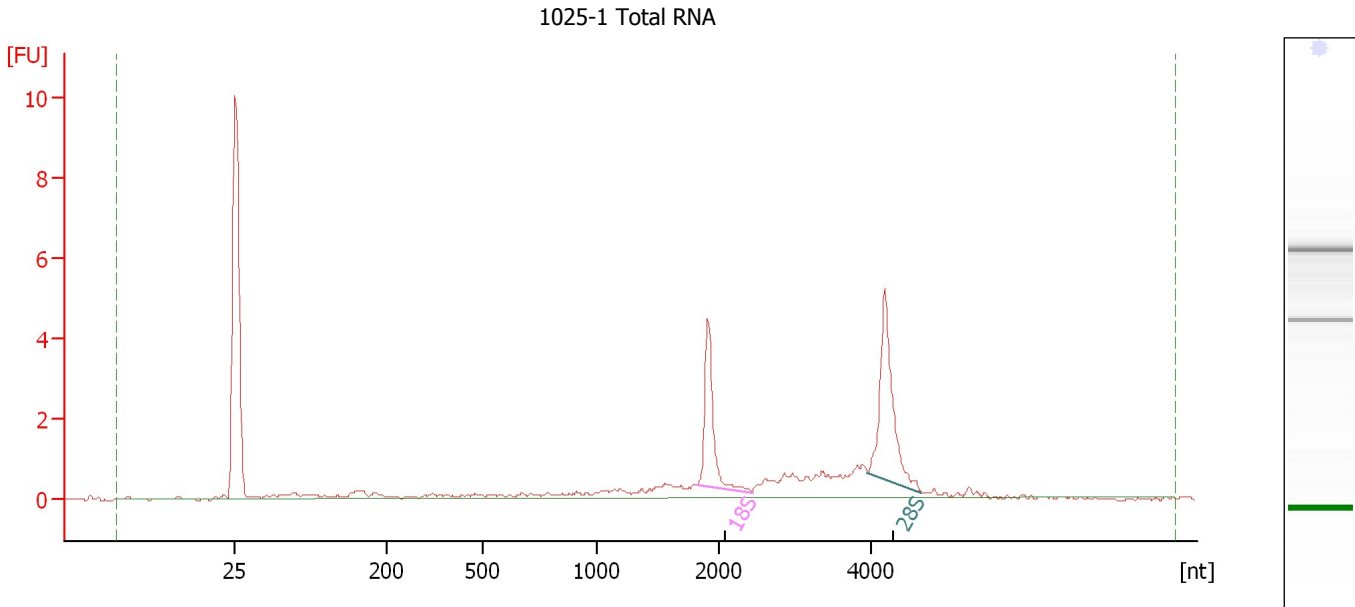
Fragment table for sample 1 : 1024-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,809	2,434	2.6	14.5
28S	3,998	4,680	3.4	18.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 1025-1 Total RNA

RNA Area: 25.1 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 19 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.40

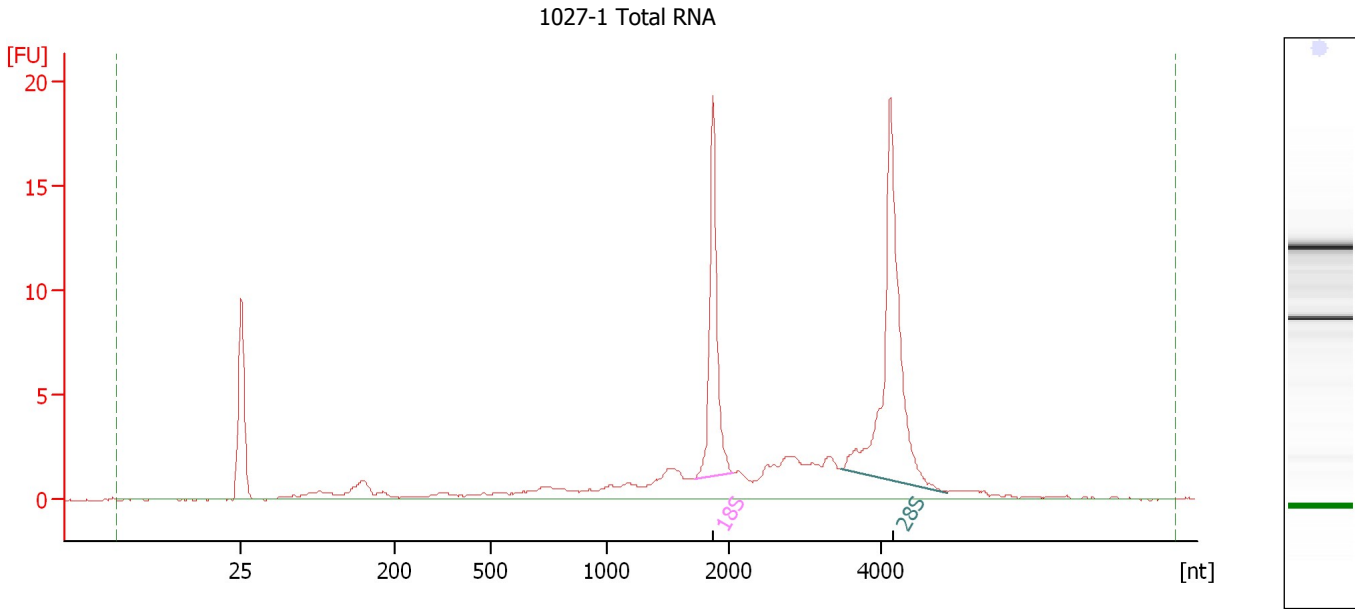
Fragment table for sample 2 : 1025-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,815	2,451	3.8	15.2
28S	3,957	4,674	5.8	23.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 1027-1 Total RNA

RNA Area:	92.8	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.70

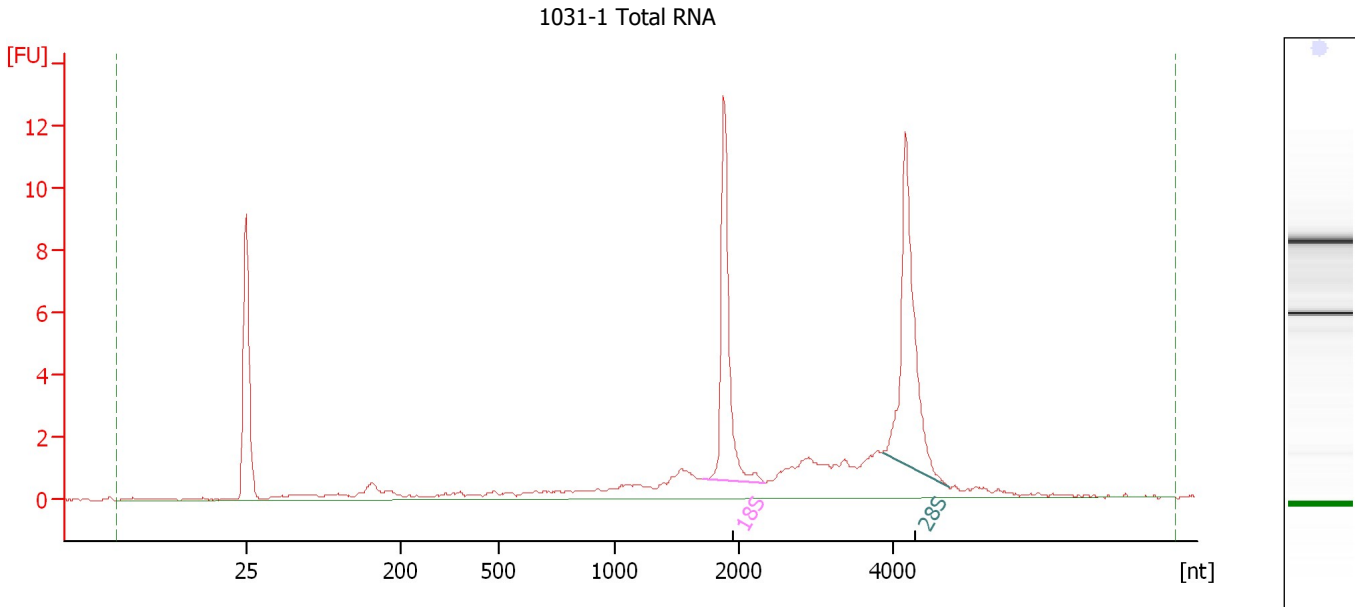
Fragment table for sample 3 : 1027-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,717	2,063	15.2	16.4
28S	3,470	4,850	26.7	28.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1031-1 Total RNA

RNA Area:	60.5	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	45 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

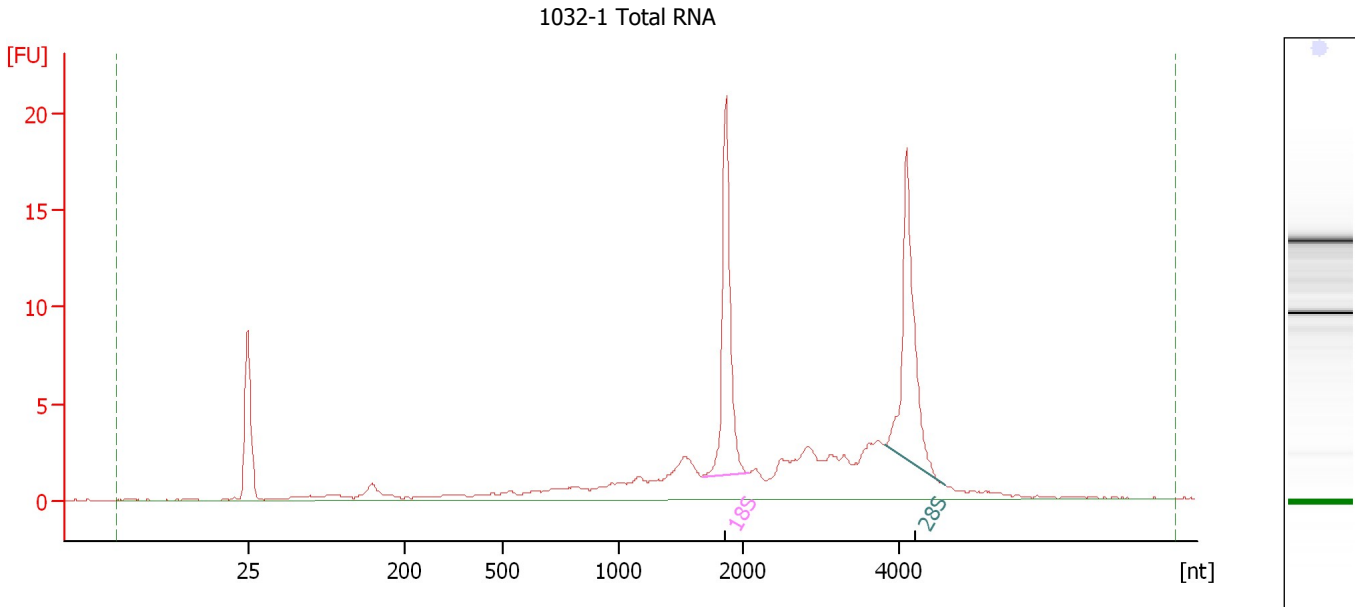
Fragment table for sample 4 : 1031-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,345	10.3	17.0
28S	3,849	4,705	13.2	21.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1032-1 Total RNA

RNA Area:	103.3	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	77 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.90

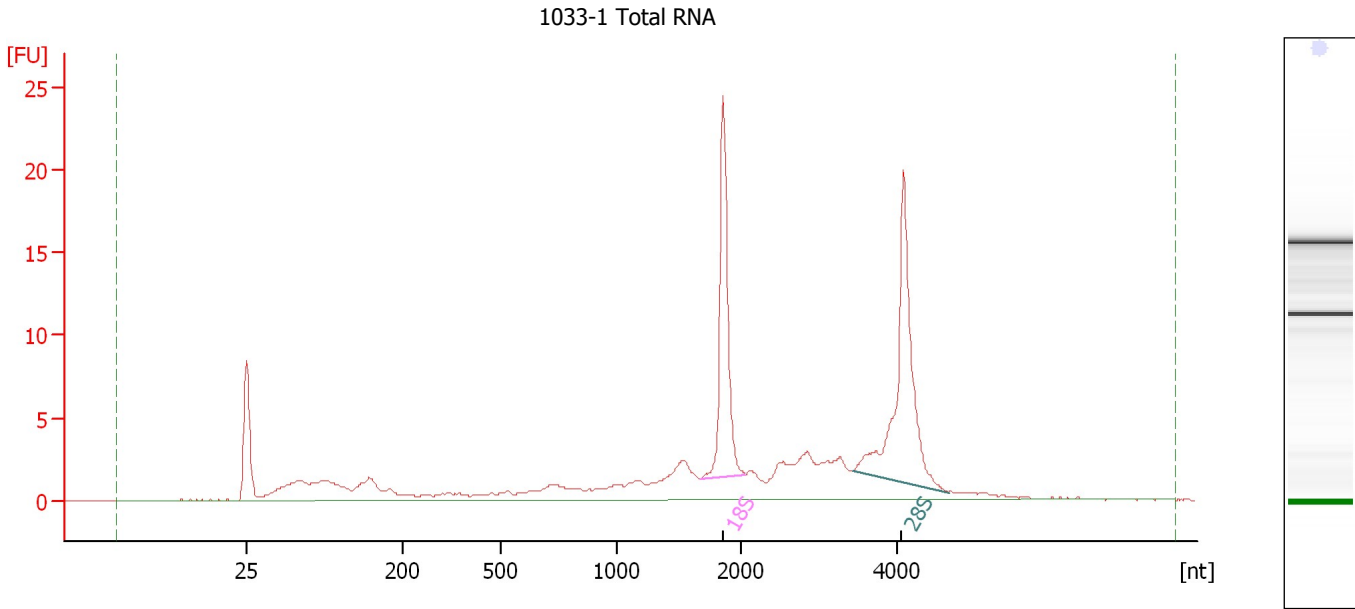
Fragment table for sample 5 : 1032-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,072	16.6	16.0
28S	3,817	4,600	17.8	17.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 1033-1 Total RNA

RNA Area: 129.4 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 96 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.20

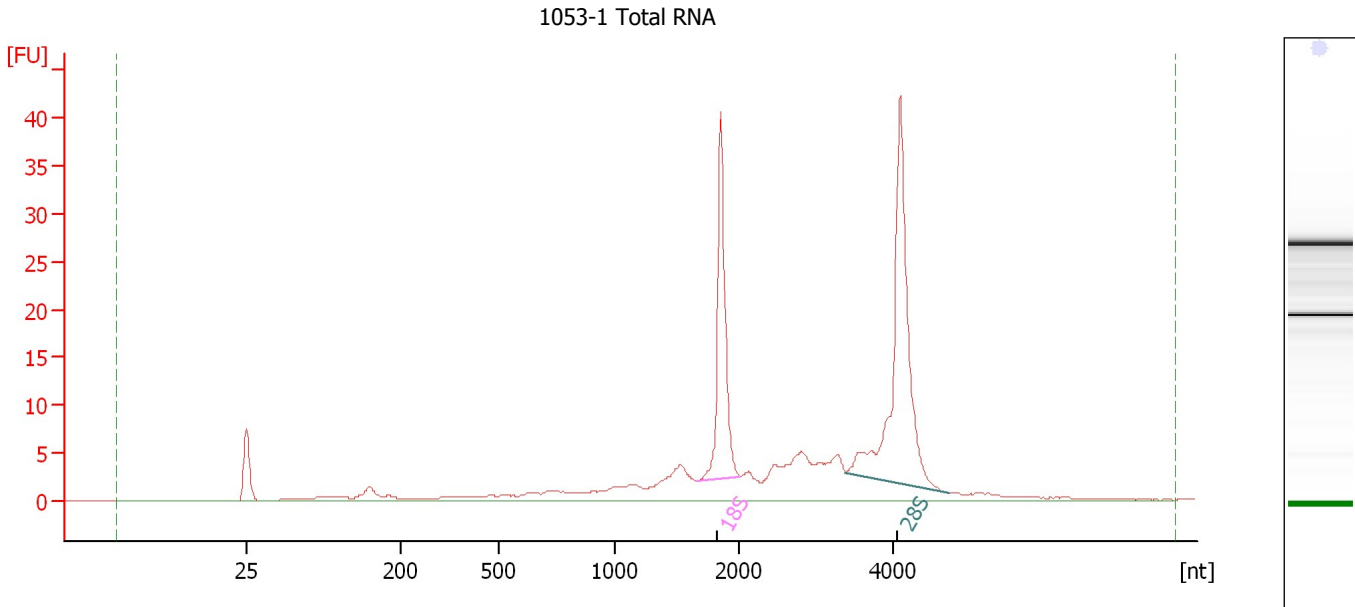
Fragment table for sample 6 : 1033-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,673	2,057	19.5	15.0
28S	3,448	4,673	26.8	20.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 1053-1 Total RNA

RNA Area:	193.7	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	144 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.70

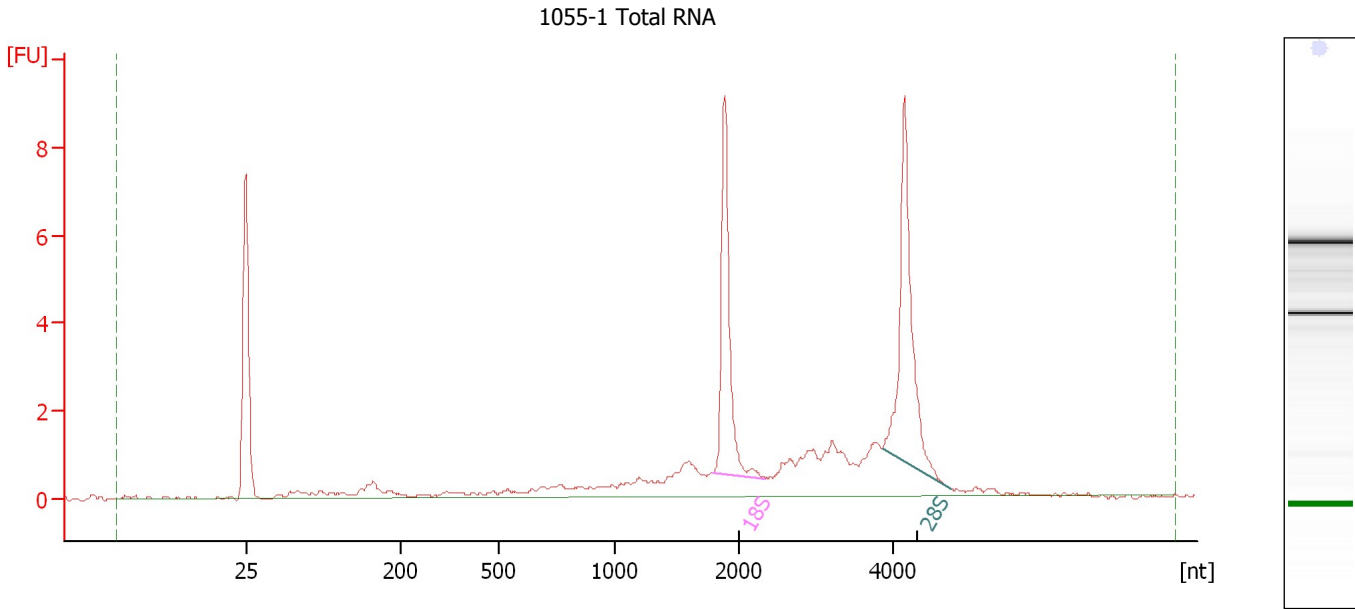
Fragment table for sample 7 : 1053-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	2,014	32.4	16.7
28S	3,380	4,705	56.6	29.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 1055-1 Total RNA

RNA Area:	42.8	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.30

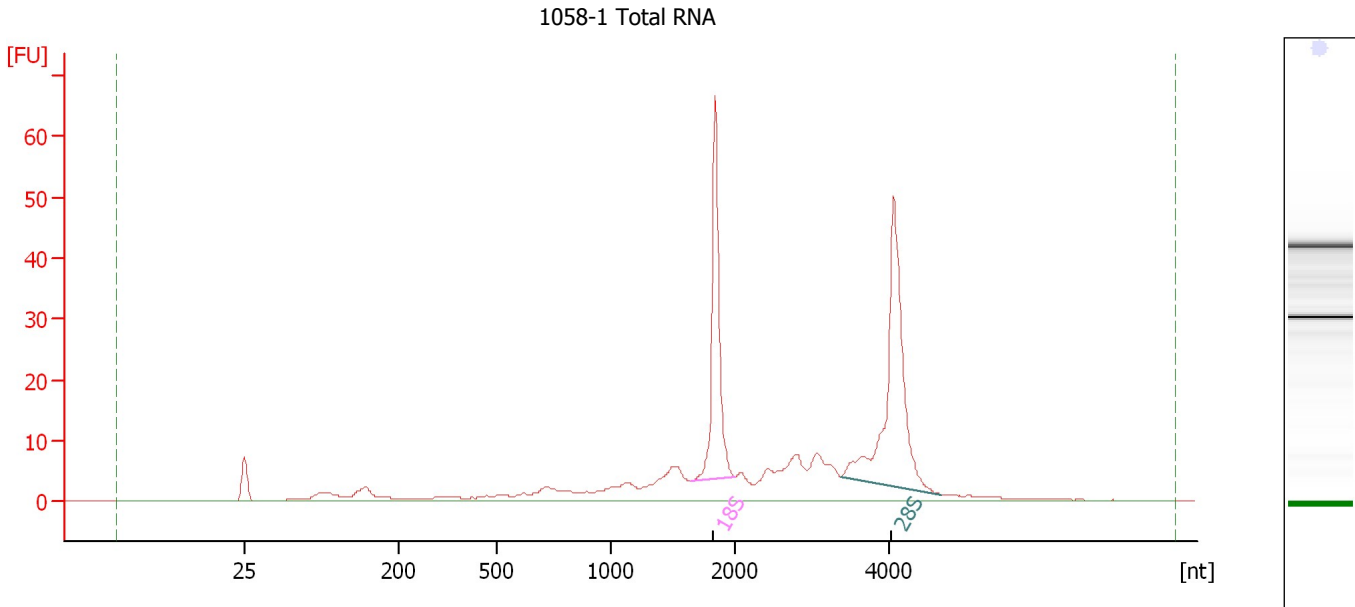
Fragment table for sample 8 : 1055-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,793	2,345	7.3	17.1
28S	3,849	4,732	9.4	22.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
 Modified: 1/23/2014 5:57:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 1058-1 Total RNA

RNA Area:	290.4	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	216 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.40

Fragment table for sample 9 : 1058-1 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,643	2,011	52.7	18.2
28S	3,369	4,685	72.9	25.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2014-01-23\2014-01-23_002_TotalRNA.xad

Created: 1/23/2014 5:16:11 PM
Modified: 1/23/2014 5:57:55 PM

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