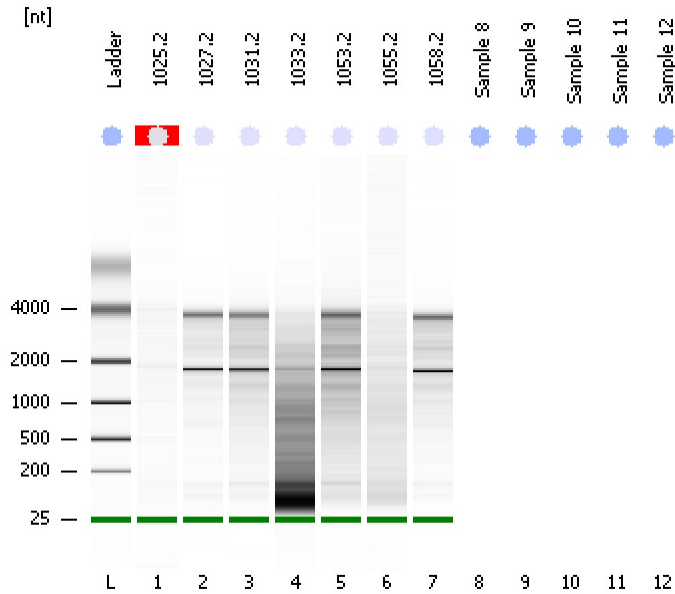


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electrophoresis File Run Summary



Instrument Information:

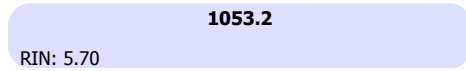
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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)
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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\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1025.2		✓	RIN N/A	
1027.2		✓	RIN: 7.90	
1031.2		✓	RIN: 6.50	
1033.2		✓	RIN: 2.20	
1053.2		✓	RIN: 5.70	
1055.2		✓	RIN: 1.50	
1058.2		✓	RIN: 7.20	
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 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

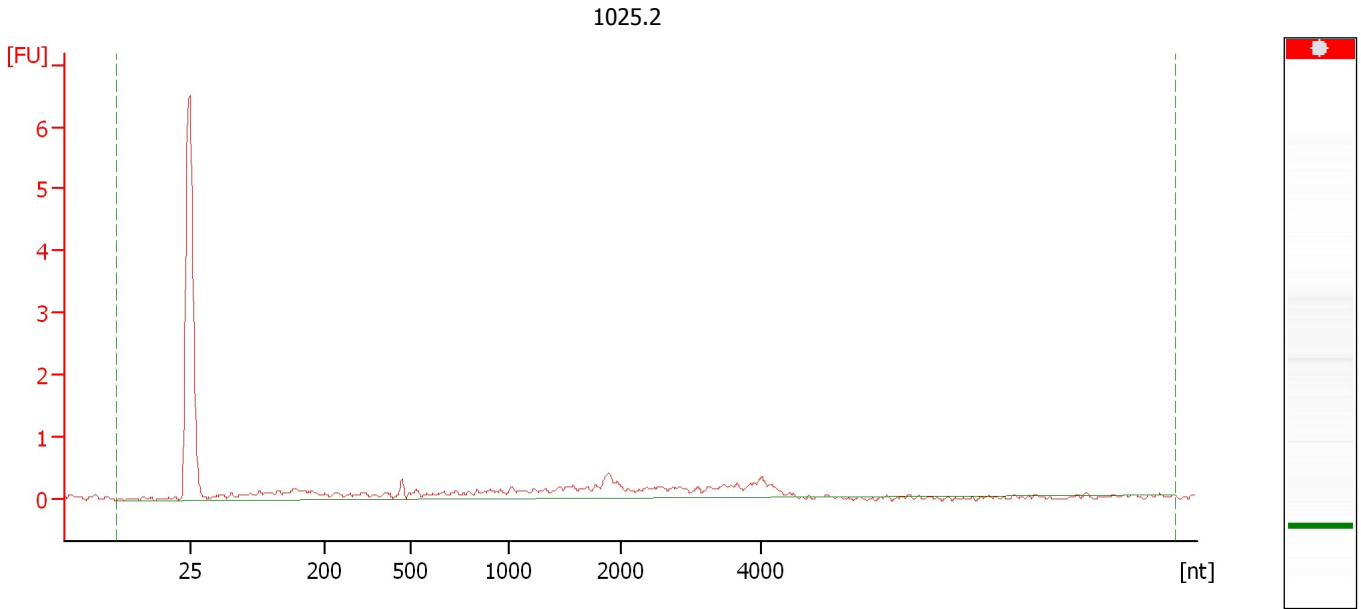
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electropherogram Summary



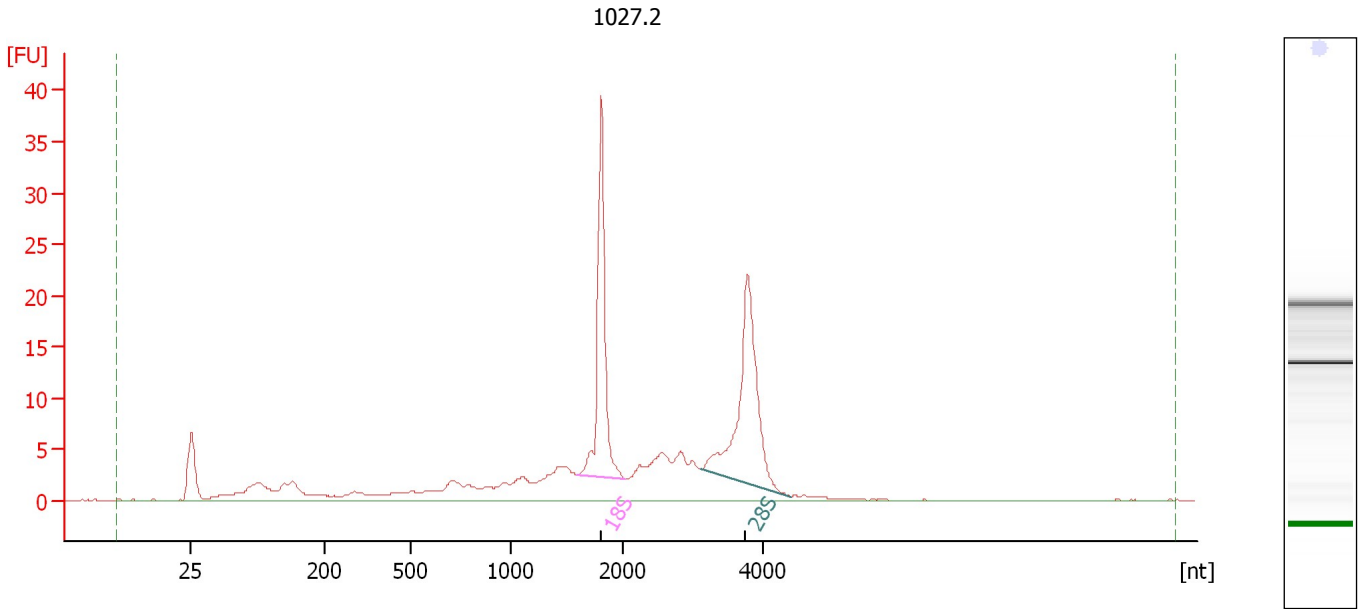
Overall Results for sample 1 : 1025.2

RNA Area:	10.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 1027.2

RNA Area: 191.5 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 142 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 7.90

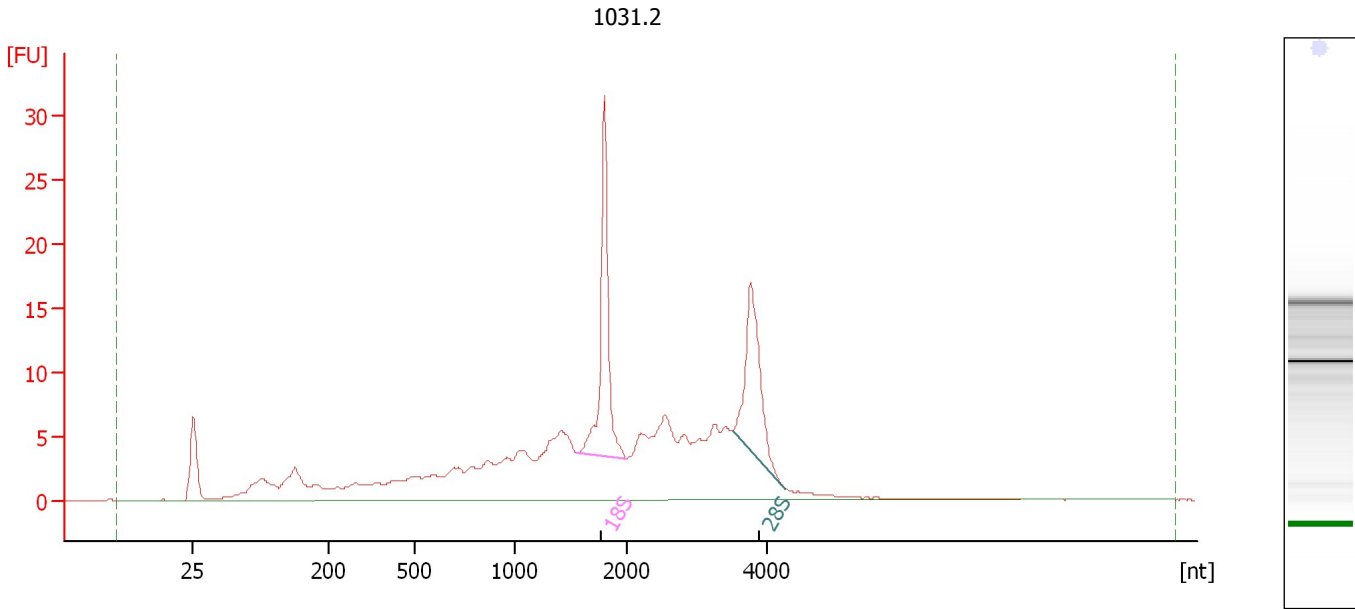
Fragment table for sample 2 : 1027.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	2,052	33.4	17.5
28S	3,112	4,383	40.4	21.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 1031.2

RNA Area: 243.7 RNA Integrity Number (RIN): 6.5 (B.02.08)
RNA Concentration: 181 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 6.50

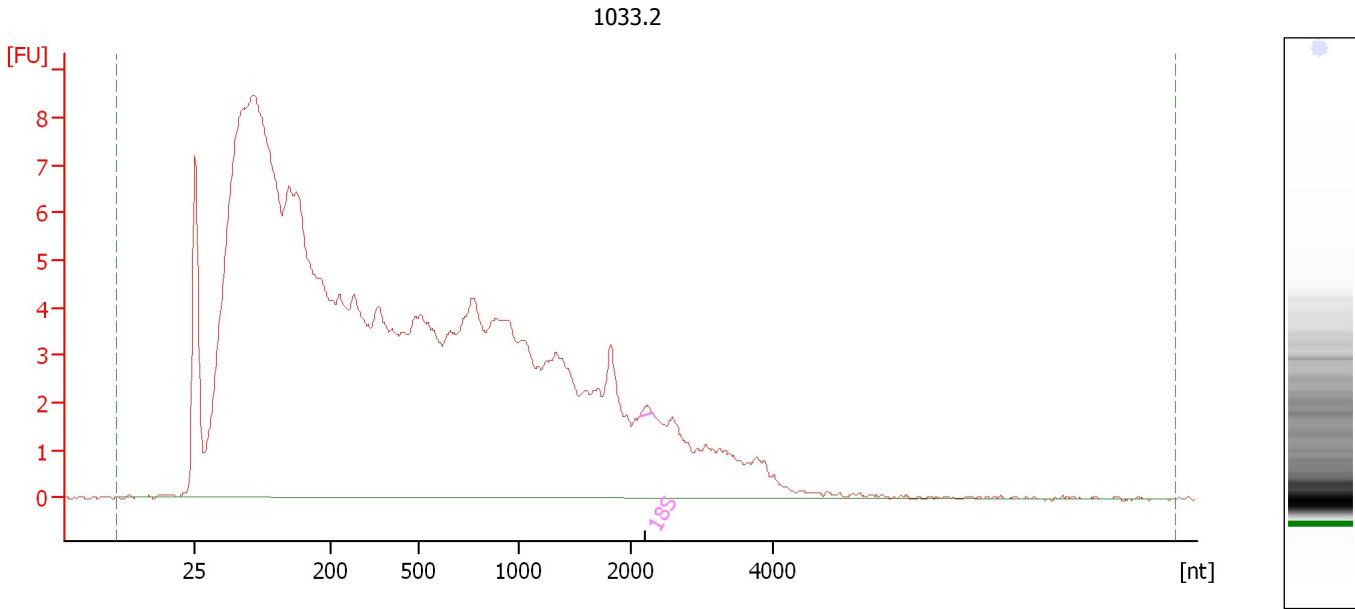
Fragment table for sample 3 : 1031.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	2,010	27.3	11.2
28S	3,502	4,241	20.9	8.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1033.2

RNA Area:	279.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	207 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

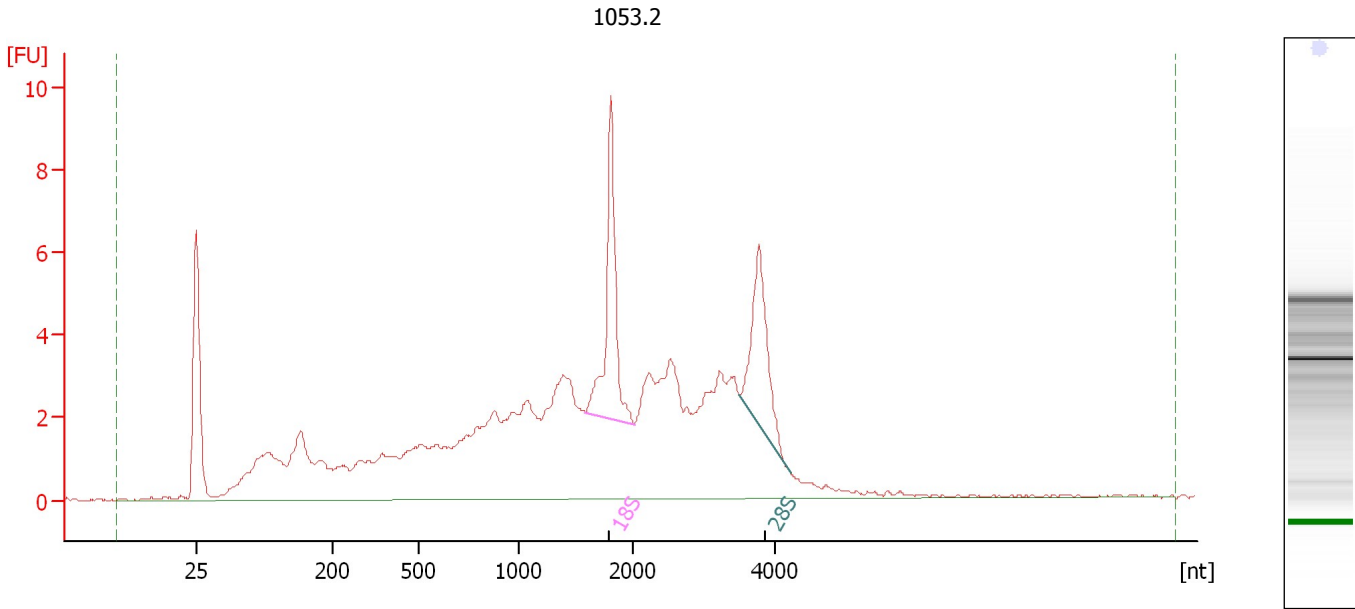
Fragment table for sample 4 : 1033.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,134	2,314	0.2	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1053.2

RNA Area: 133.1 RNA Integrity Number (RIN): 5.7 (B.02.08)
RNA Concentration: 99 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 5.70

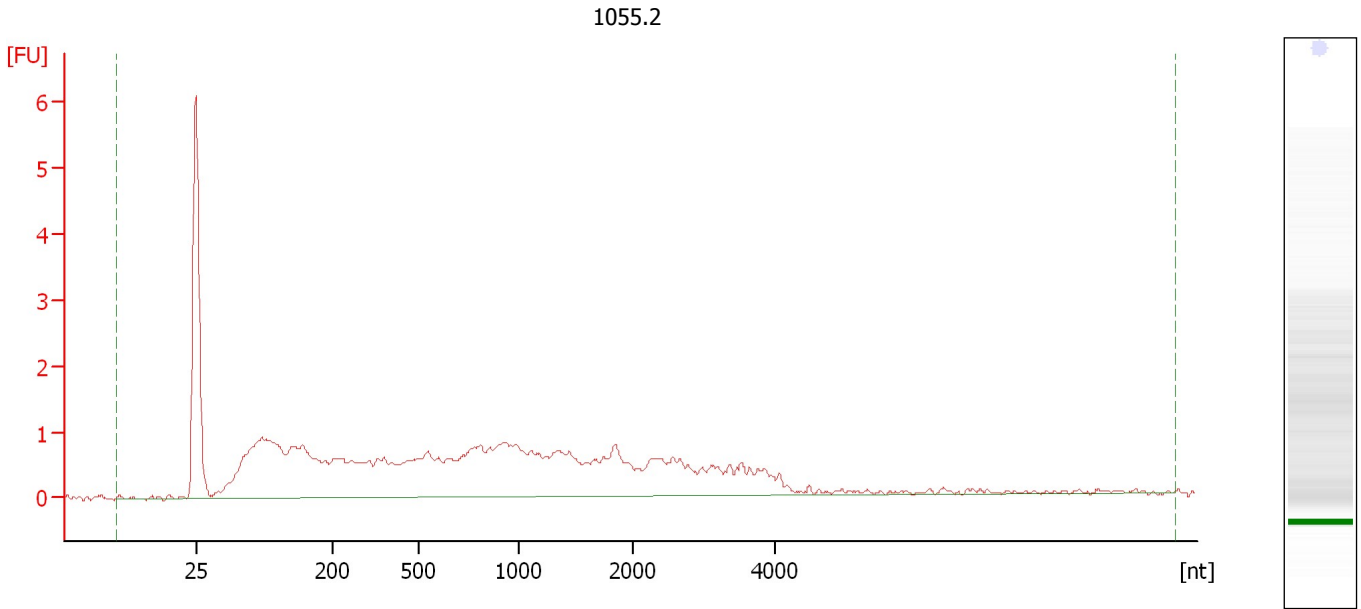
Fragment table for sample 5 : 1053.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	2,031	8.8	6.6
28S	3,513	4,217	7.1	5.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electropherogram Summary Continued ...



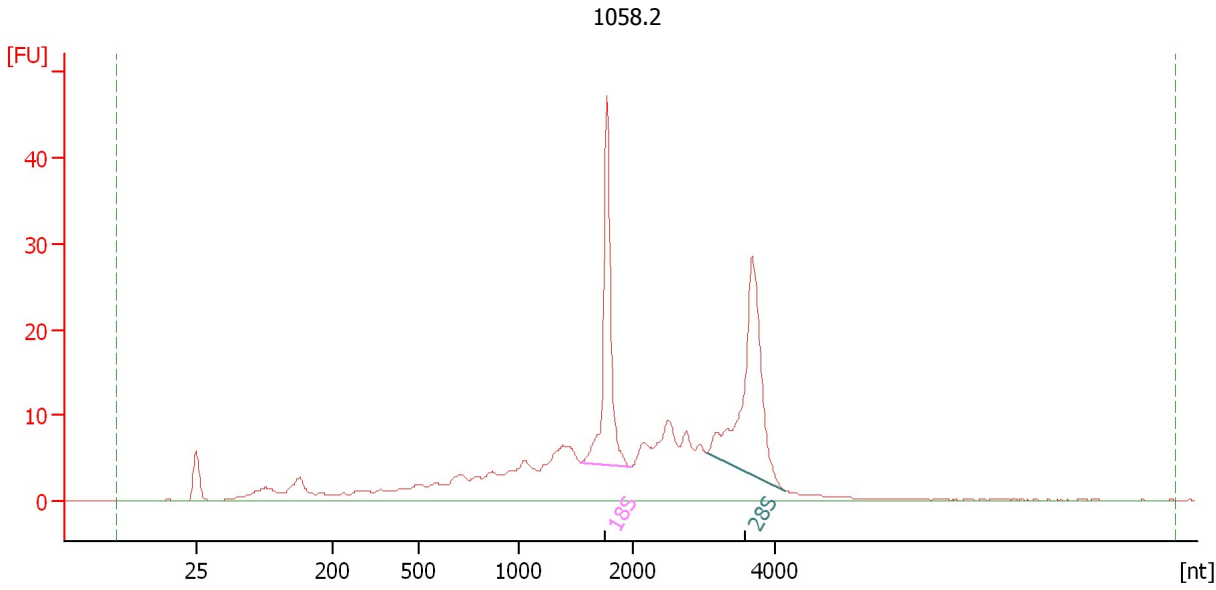
Overall Results for sample 6 : 1055.2

RNA Area:	44.6	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	33 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 1058.2

RNA Area:	302.1	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	224 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.20

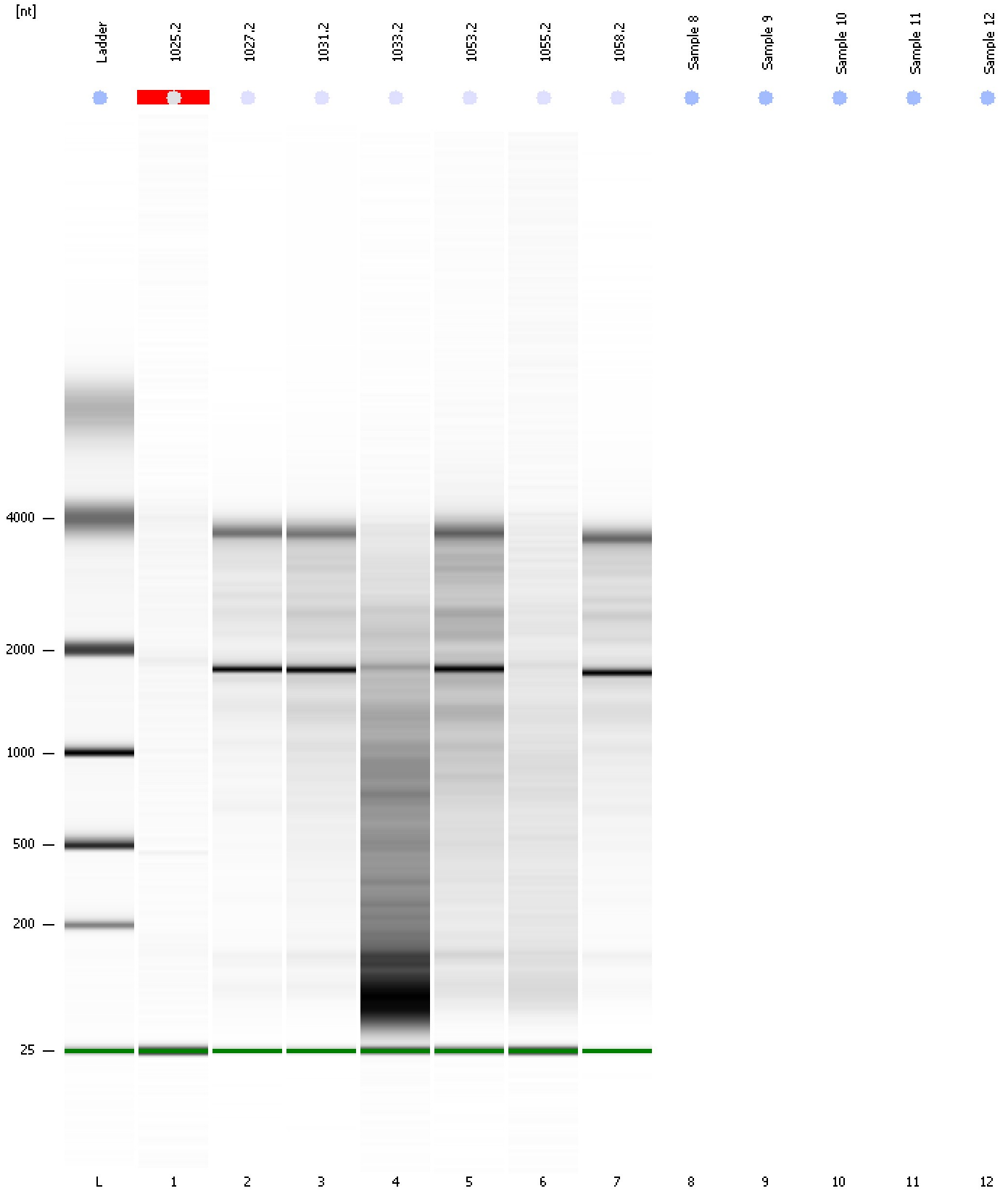
Fragment table for sample 7 : 1058.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,543	1,981	41.6	13.8
28S	3,049	4,157	51.0	16.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-03\2014-05-03_004.xad

Created: 5/3/2014 12:39:13 PM
Modified: 5/3/2014 1:32:50 PM

Invalid Samples

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.