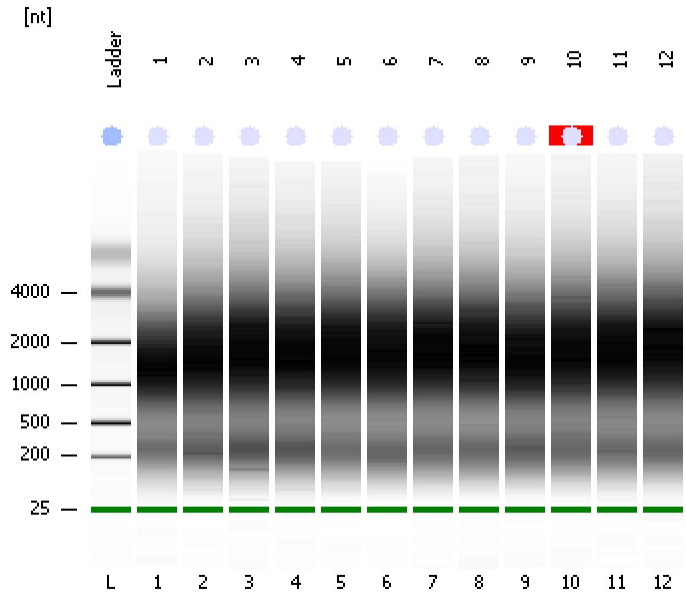


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electrophoresis File Run Summary



Instrument Information:

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

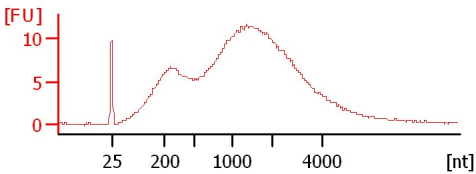
Assay Information:

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.

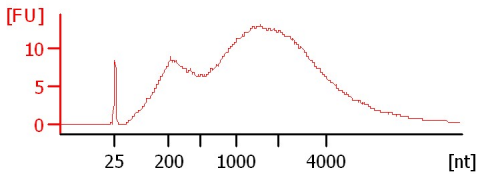
Chip Information:

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

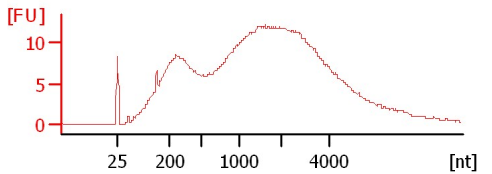
1
RIN: 2.60



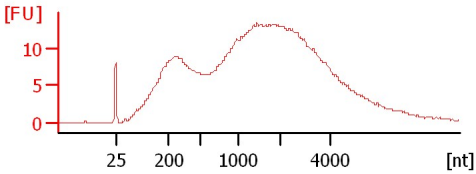
2
RIN: 2.40



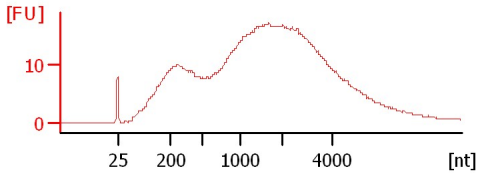
3
RIN: 2.60



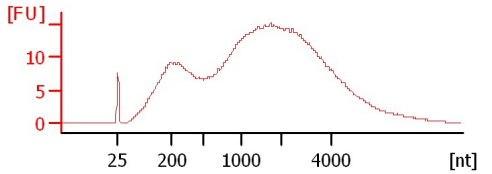
4
RIN: 2.30



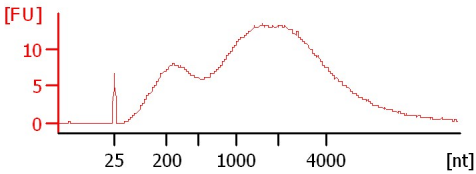
5
RIN: 2.90



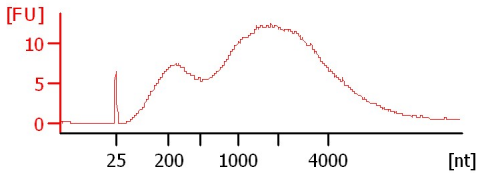
6
RIN: 2.70



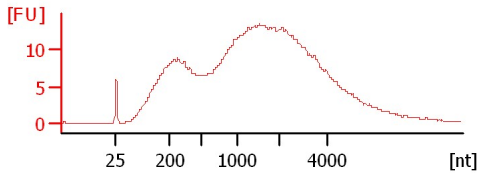
7
RIN: 2.60



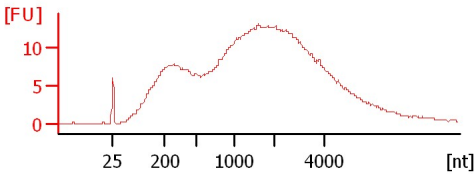
8
RIN: 2.60



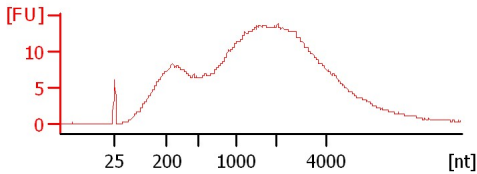
9
RIN: 2.70



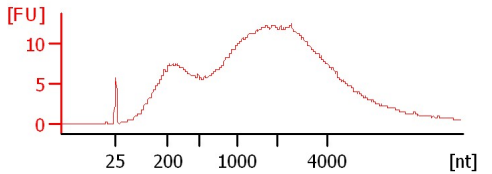
10
RIN: 2.70



11
RIN: 2.50



12
RIN: 2.20



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
 Modified: 1/7/2015 1:25:32 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1		✓	RIN: 2.60	
2		✓	RIN: 2.40	
3		✓	RIN: 2.60	
4		✓	RIN: 2.30	
5		✓	RIN: 2.90	
6		✓	RIN: 2.70	
7		✓	RIN: 2.60	
8		✓	RIN: 2.60	
9		✓	RIN: 2.70	
10		✓	RIN: 2.70	
11		✓	RIN: 2.50	
12		✓	RIN: 2.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 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/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

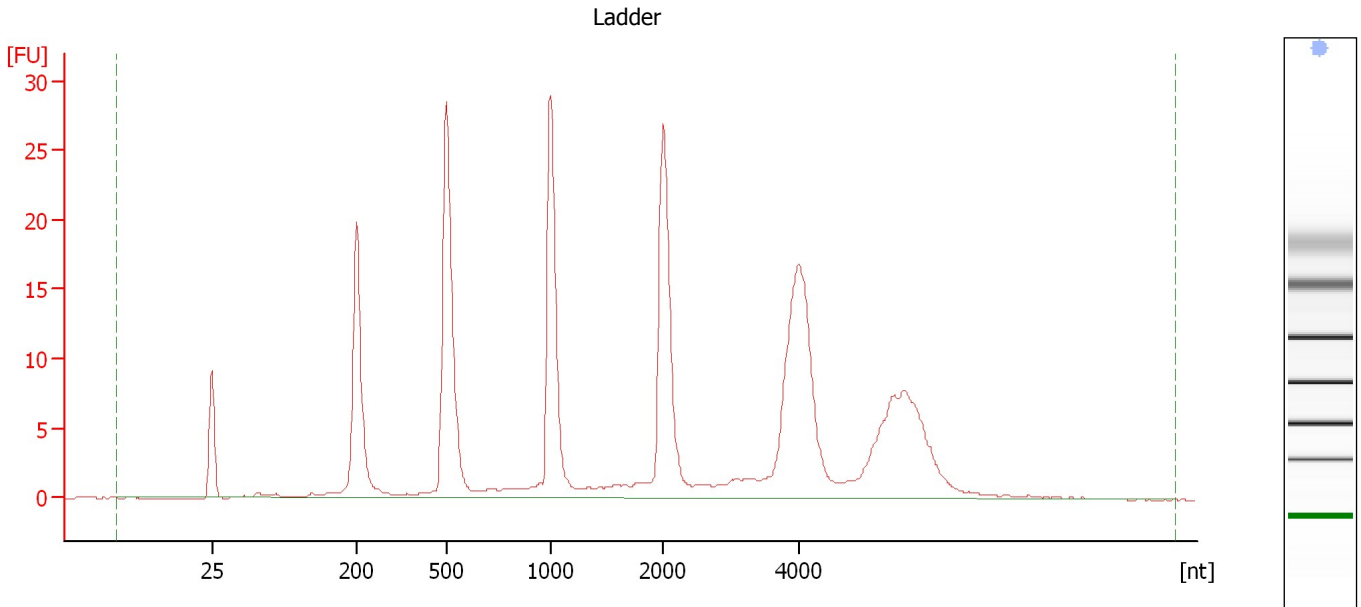
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary



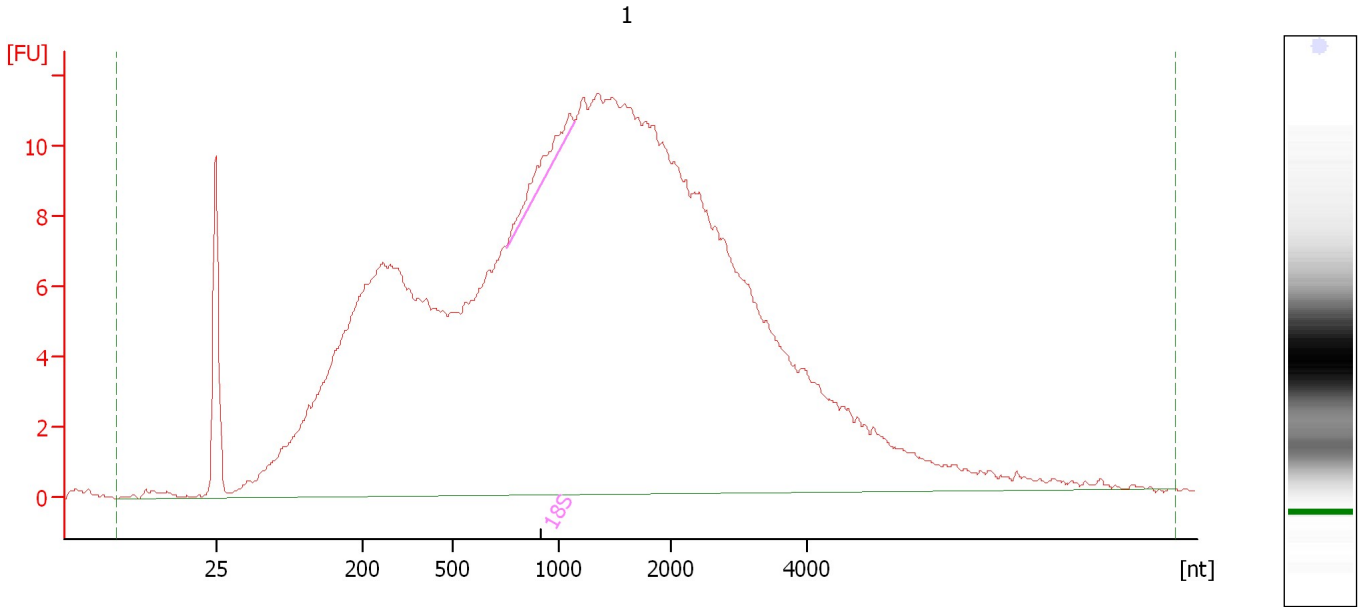
Overall Results for Ladder

RNA Area:	259.2	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1

RNA Area:	465.1	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	269 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

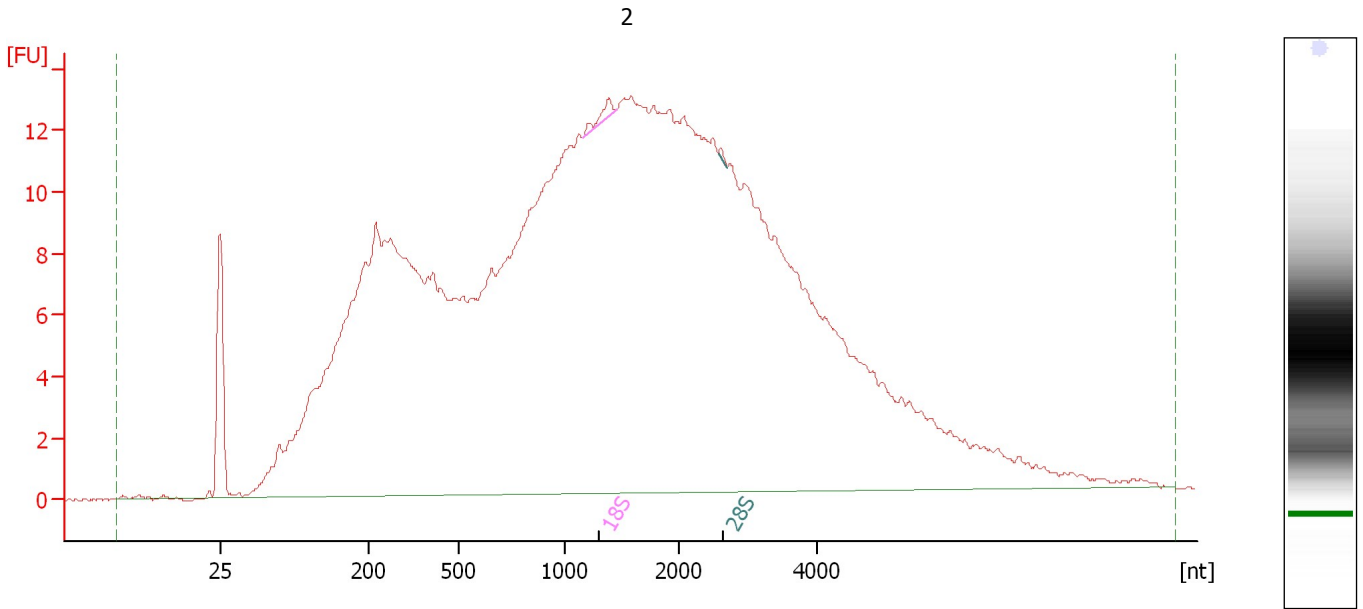
Fragment table for sample 1 : 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	753	1,145	3.1	0.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2

RNA Area: 593.4 RNA Integrity Number (RIN): 2.4 (B.02.08)
RNA Concentration: 343 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 2.40

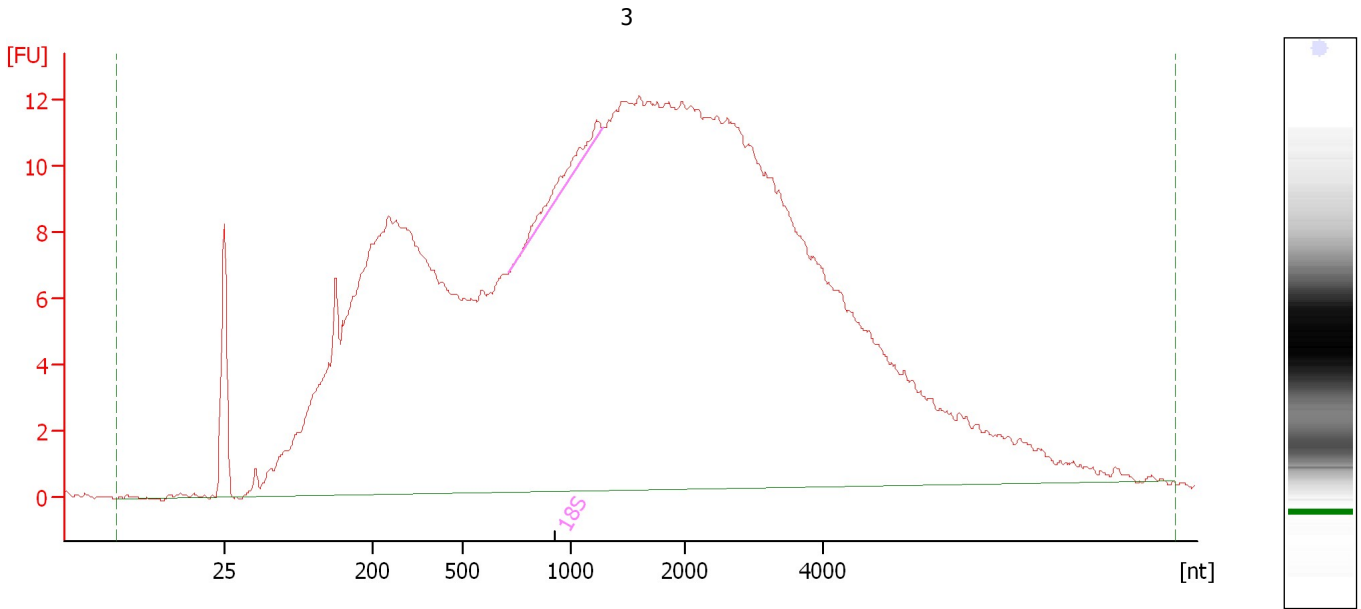
Fragment table for sample 2 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,156	1,446	0.9	0.2
28S	2,572	2,696	0.2	0.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3

RNA Area:	572.5	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	331 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

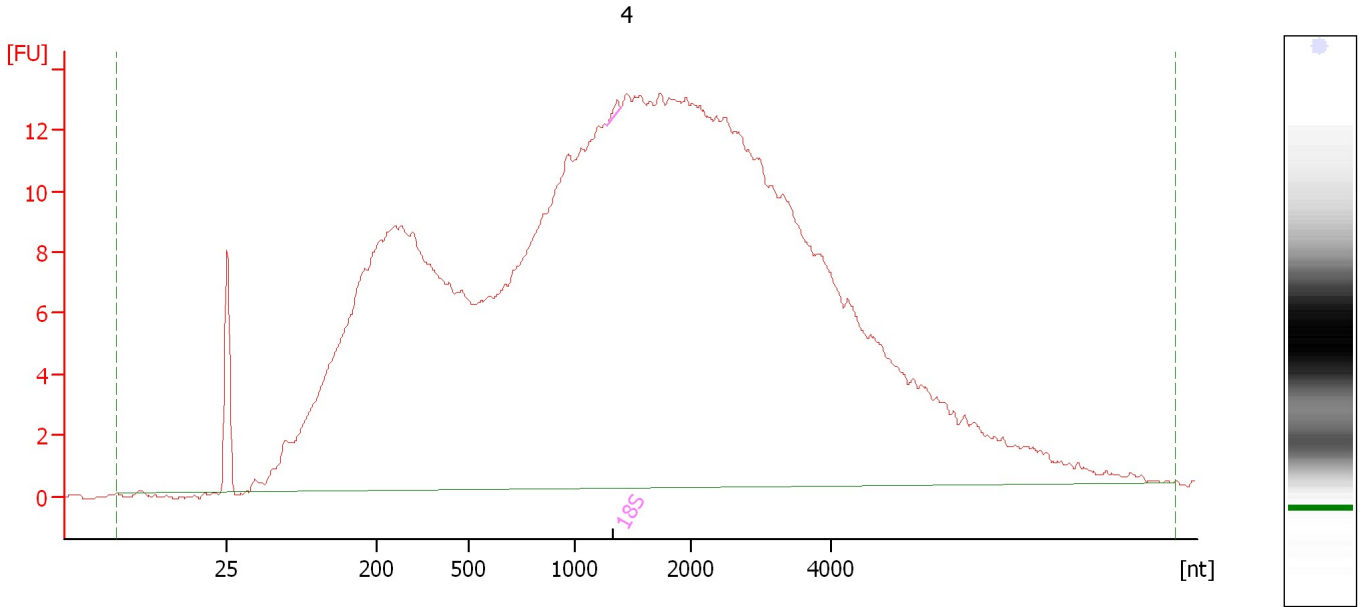
Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	714	1,286	3.4	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4

RNA Area:	612.3	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	354 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

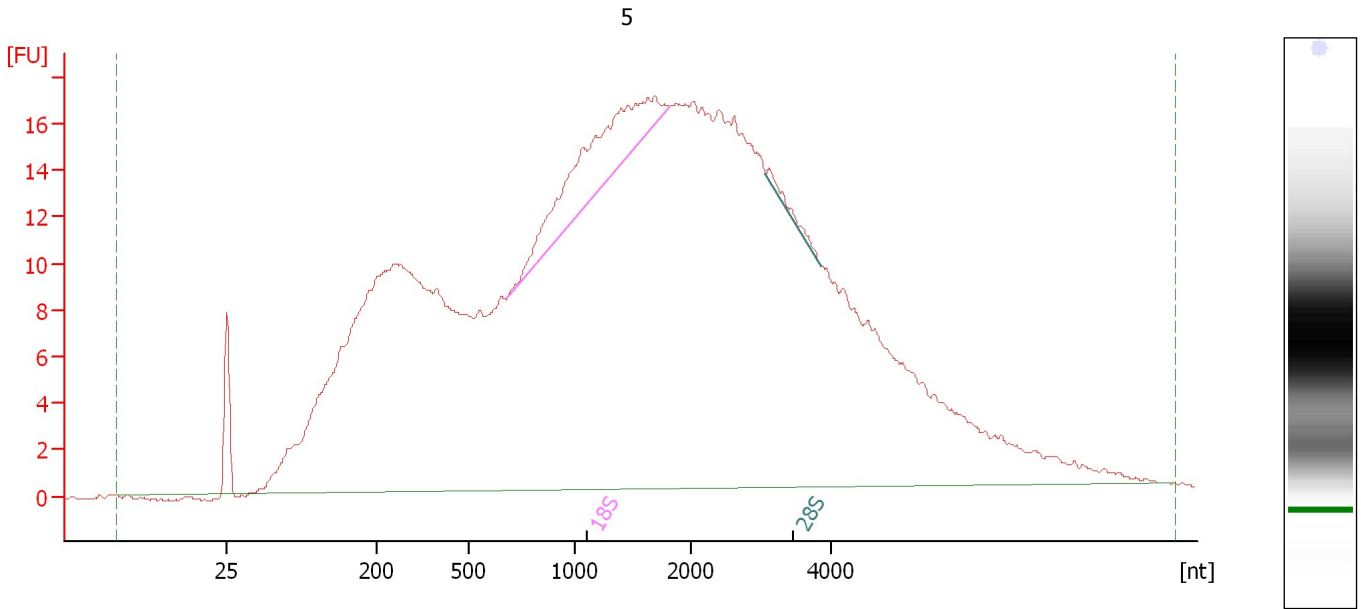
Fragment table for sample 4 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,275	1,395	0.3	0.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5

RNA Area: 774.0 RNA Integrity Number (RIN): 2.9 (B.02.08)
RNA Concentration: 448 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 2.90

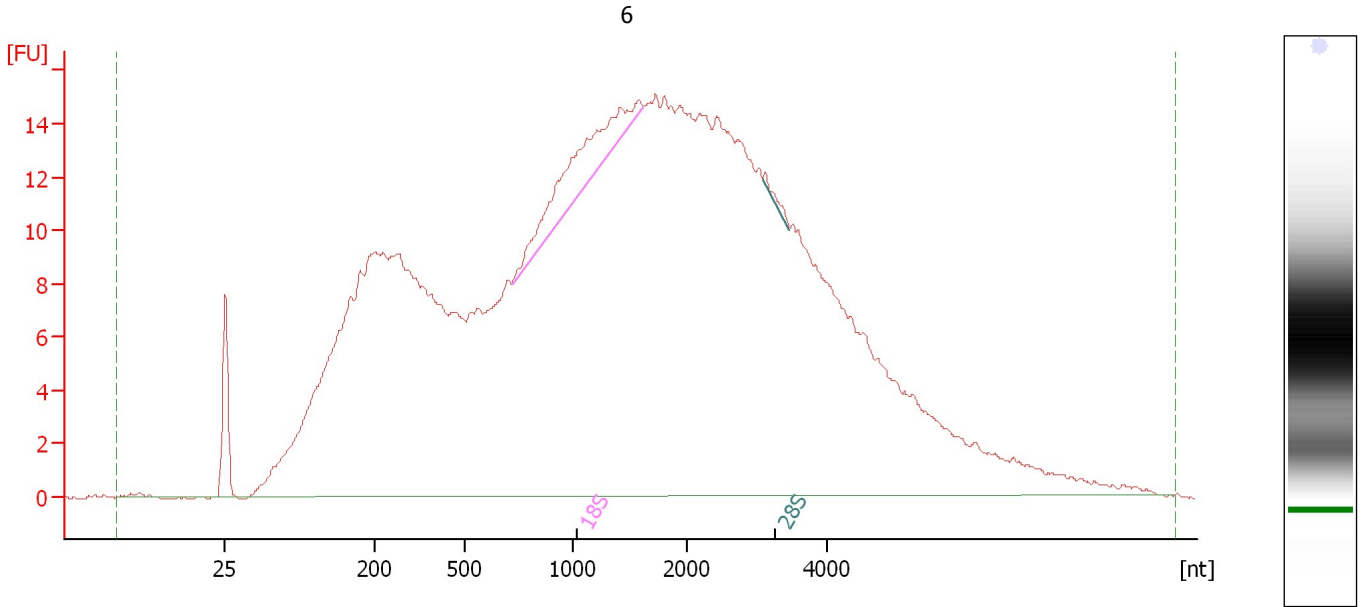
Fragment table for sample 5 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	681	1,811	27.5	3.6
28S	3,065	3,846	1.4	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6

RNA Area:	698.8	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	404 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

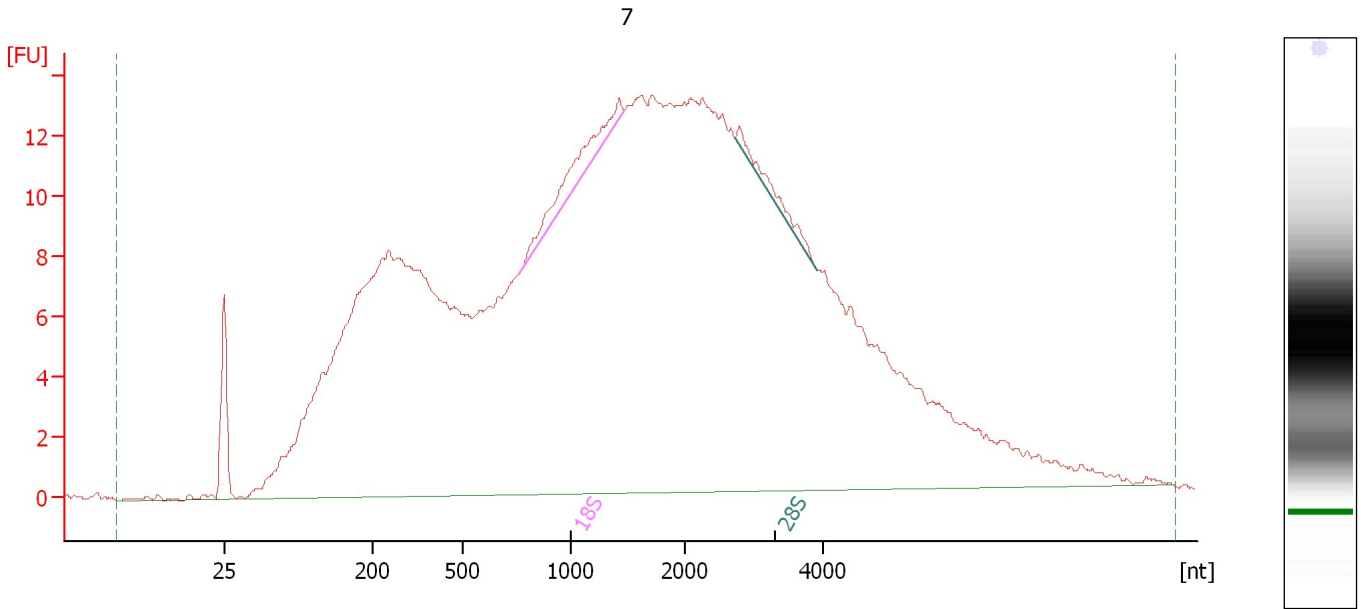
Fragment table for sample 6 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	721	1,623	15.4	2.2
28S	3,081	3,466	0.7	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7

RNA Area: 616.6 RNA Integrity Number (RIN): 2.6 (B.02.08)
RNA Concentration: 357 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 2.60

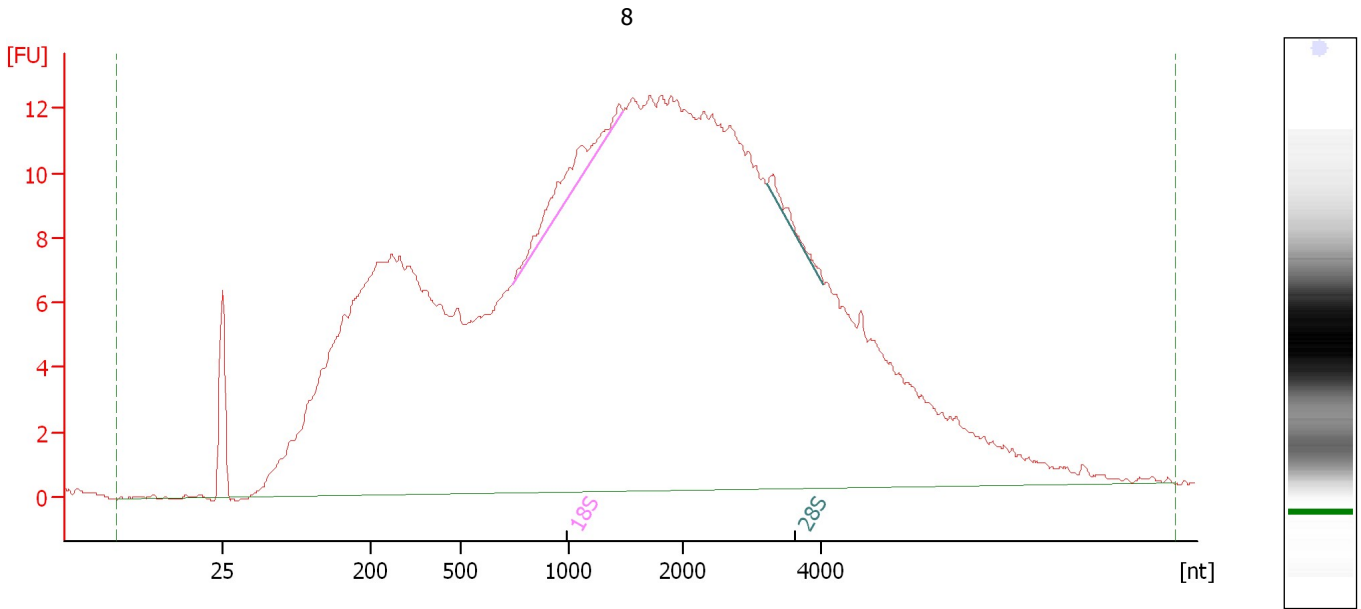
Fragment table for sample 7 : 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	759	1,472	6.7	1.1
28S	2,728	3,898	2.3	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8

RNA Area:	564.8	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	327 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.60

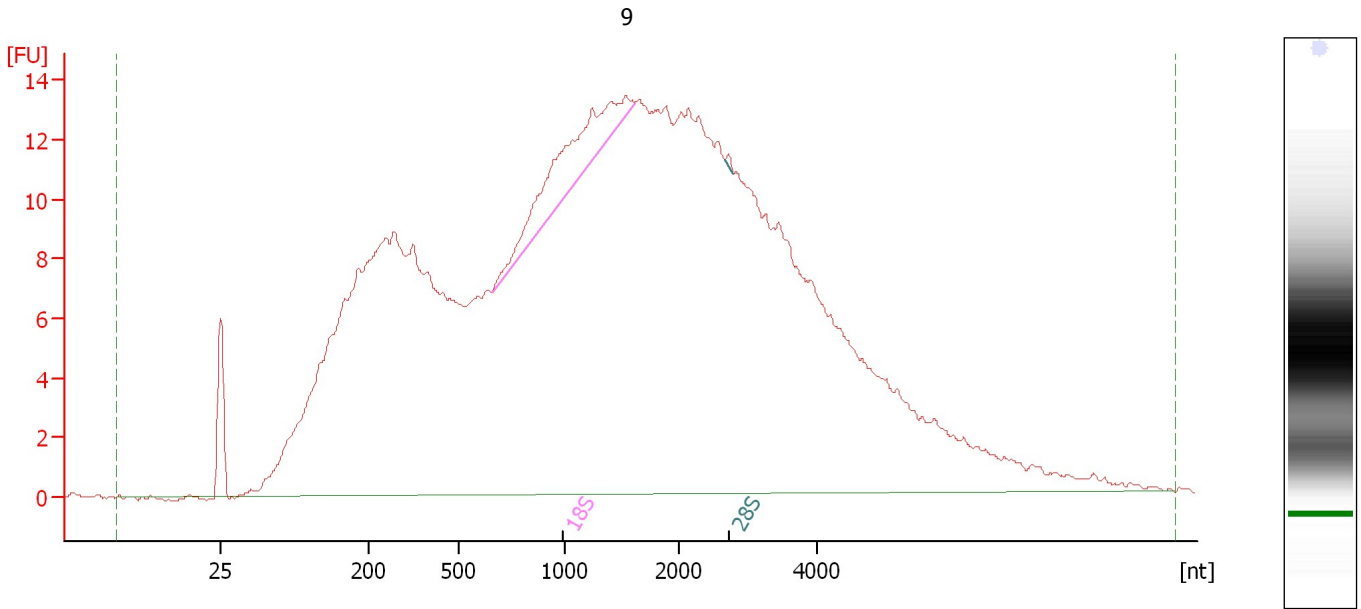
Fragment table for sample 8 : 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	742	1,479	6.8	1.2
28S	3,206	4,023	1.1	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9

RNA Area: 626.8 RNA Integrity Number (RIN): 2.7 (B.02.08)
RNA Concentration: 363 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.70

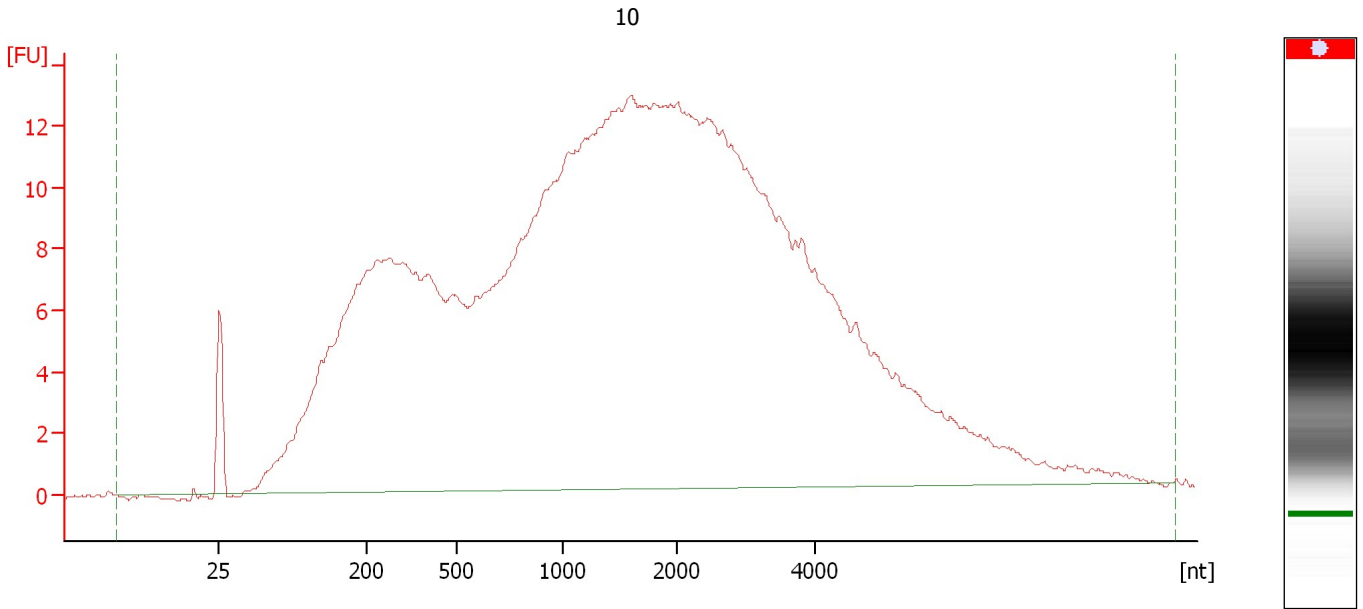
Fragment table for sample 9 : 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	657	1,606	15.7	2.5
28S	2,665	2,789	0.2	0.0


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



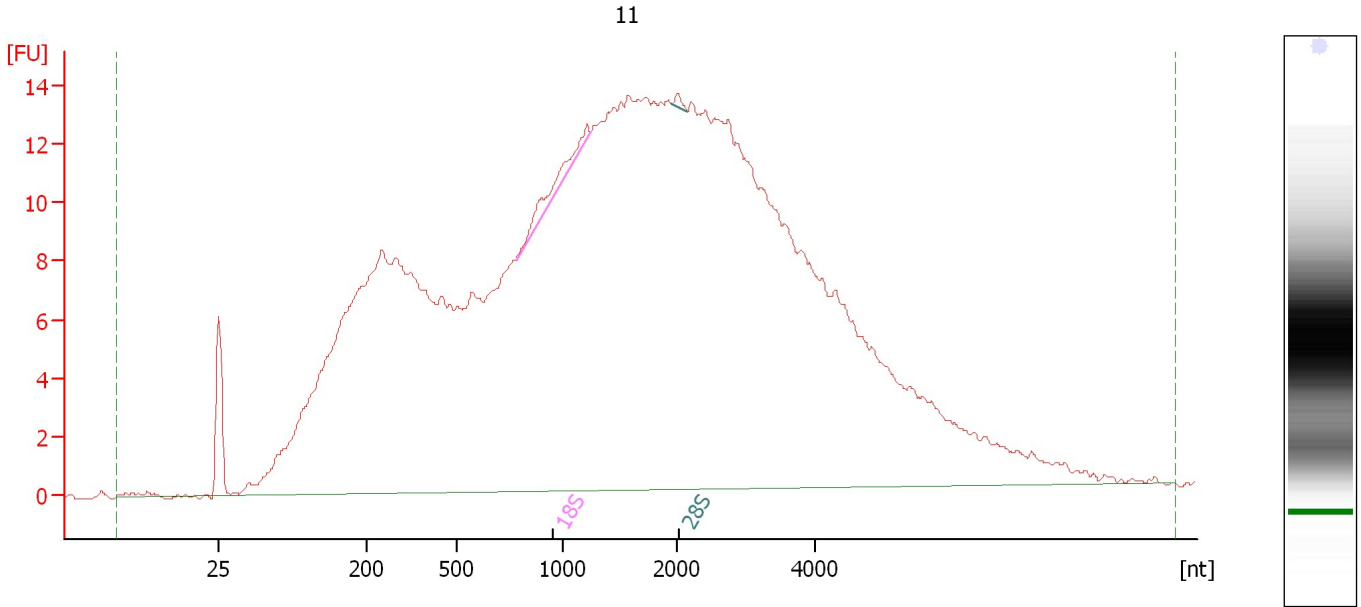
Overall Results for sample 10 : 10

RNA Area:	0.0	Result Flagging Color:	
RNA Integrity Number (RIN):	2.7 (B.02.08)	Result Flagging Label:	RIN: 2.70

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
 Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11

RNA Area:	628.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	364 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.50

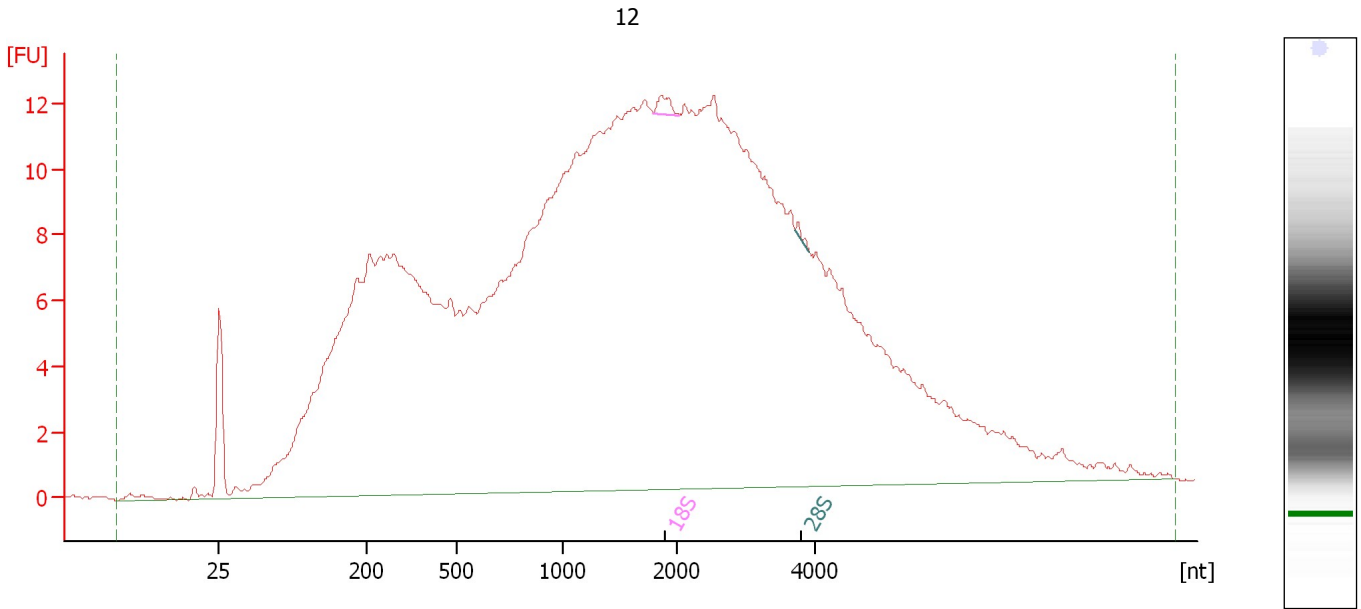
Fragment table for sample 11 : 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	780	1,247	3.2	0.5
28S	1,951	2,152	0.3	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12

RNA Area:	568.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	329 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 2.20

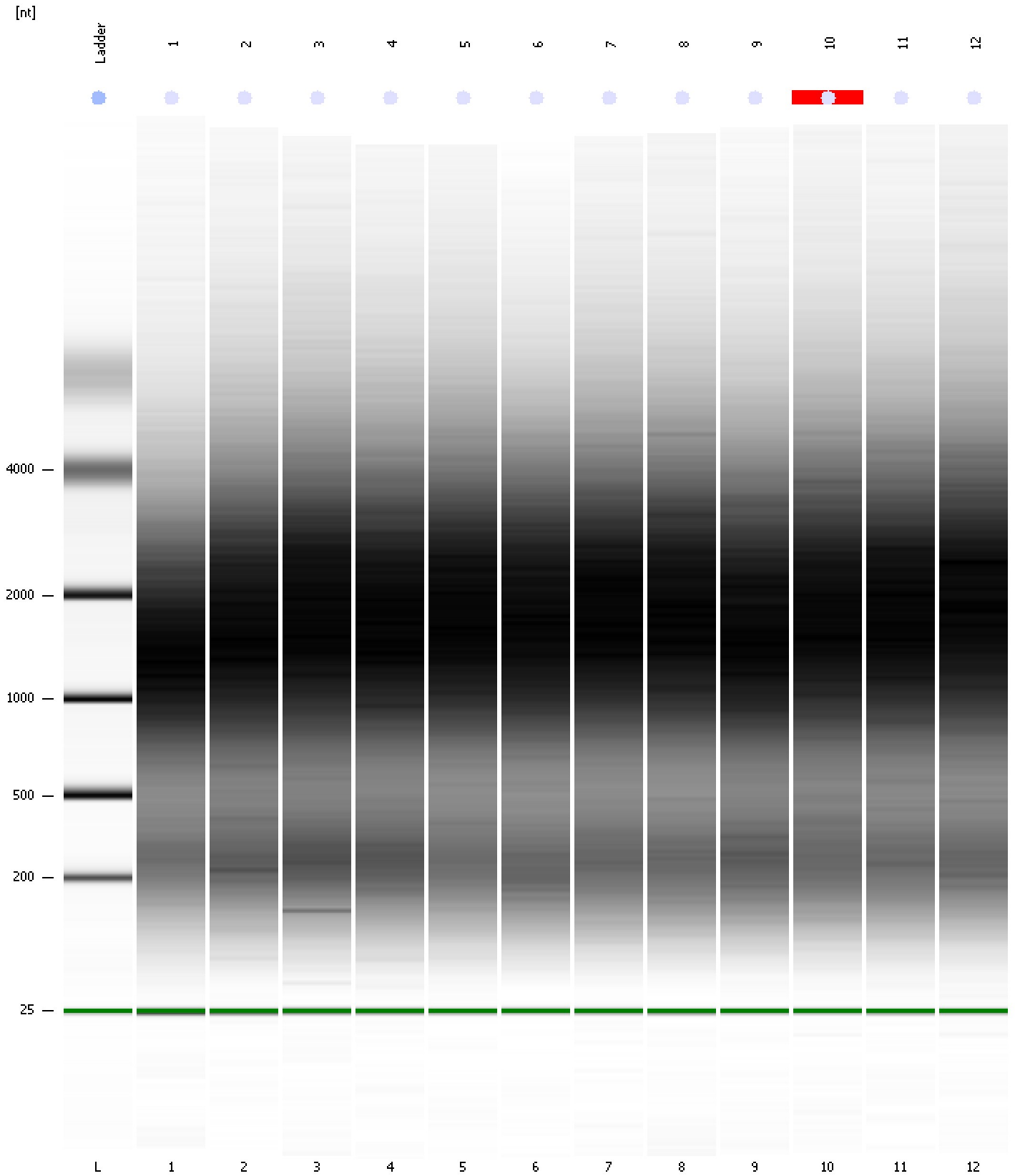
Fragment table for sample 12 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,791	2,028	0.8	0.1
28S	3,720	3,922	0.2	0.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad

Created: 1/7/2015 1:01:40 PM
Modified: 1/7/2015 1:25:32 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 1/7/2015 1:01:40 PM
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad Modified: 1/7/2015 1:25:32 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		1/7/2015 1:25:30 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-01-07\2015-01-07_002.xad)		Instrument	Run		1/7/2015 1:01:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/7/2015 1:01:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/7/2015 1:01:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/7/2015 1:01:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/7/2015 1:01:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/7/2015 1:01:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/7/2015 1:01:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1