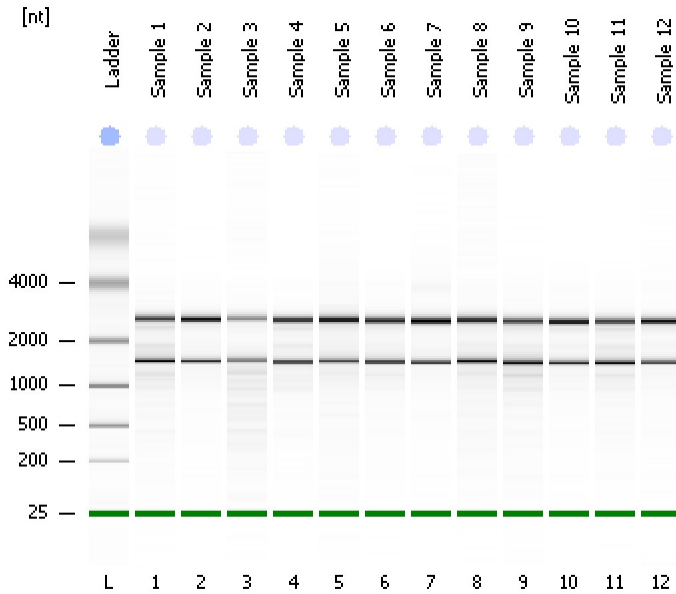


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electrophoresis File Run Summary



Instrument Information:

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

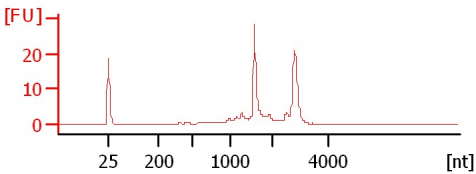
Assay Information:

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.

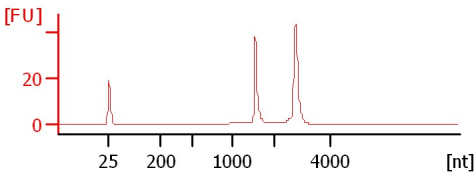
Chip Information:

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

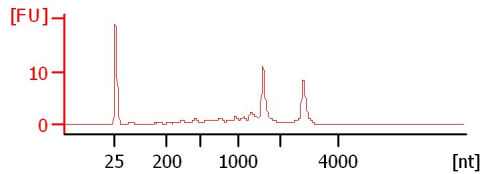
Sample 1
RIN: 8.30



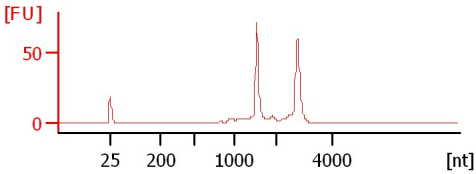
Sample 2
RIN: 9.80



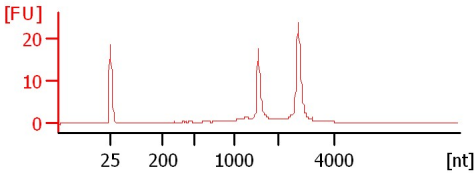
Sample 3
RIN: 7.40



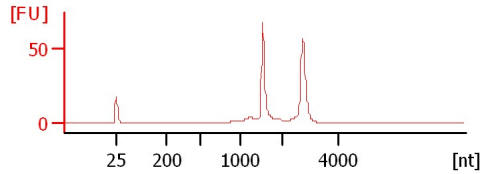
Sample 4
RIN: 8.80



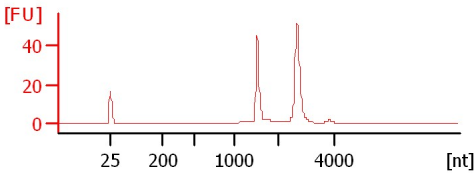
Sample 5
RIN: 9.10



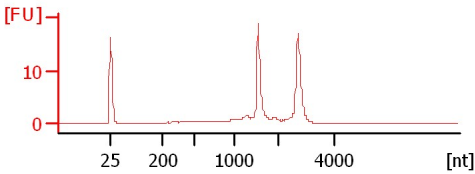
Sample 6
RIN: 9.20



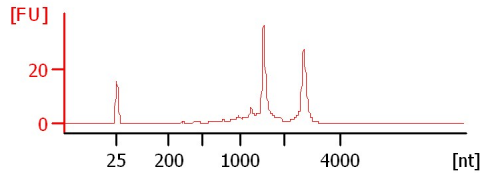
Sample 7
RIN: 9.90



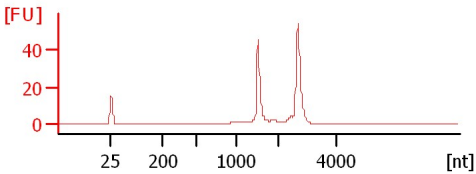
Sample 8
RIN: 9



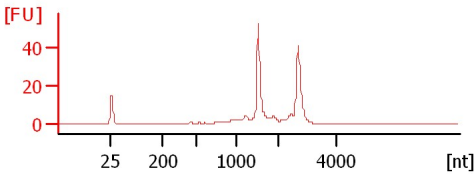
Sample 9
RIN: 8.50



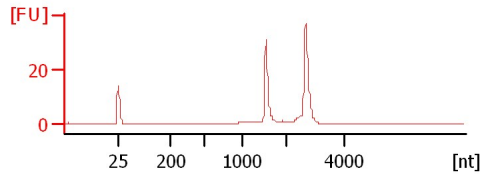
Sample 10
RIN: 9.80



Sample 11
RIN: 8.60



Sample 12
RIN: 9.80



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
 Modified: 9/10/2015 11:24:04 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 8.30	
Sample 2		✓	RIN: 9.80	
Sample 3		✓	RIN: 7.40	
Sample 4		✓	RIN: 8.80	
Sample 5		✓	RIN: 9.10	
Sample 6		✓	RIN: 9.20	
Sample 7		✓	RIN: 9.90	
Sample 8		✓	RIN:9	
Sample 9		✓	RIN: 8.50	
Sample 10		✓	RIN: 9.80	
Sample 11		✓	RIN: 8.60	
Sample 12		✓	RIN: 9.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

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

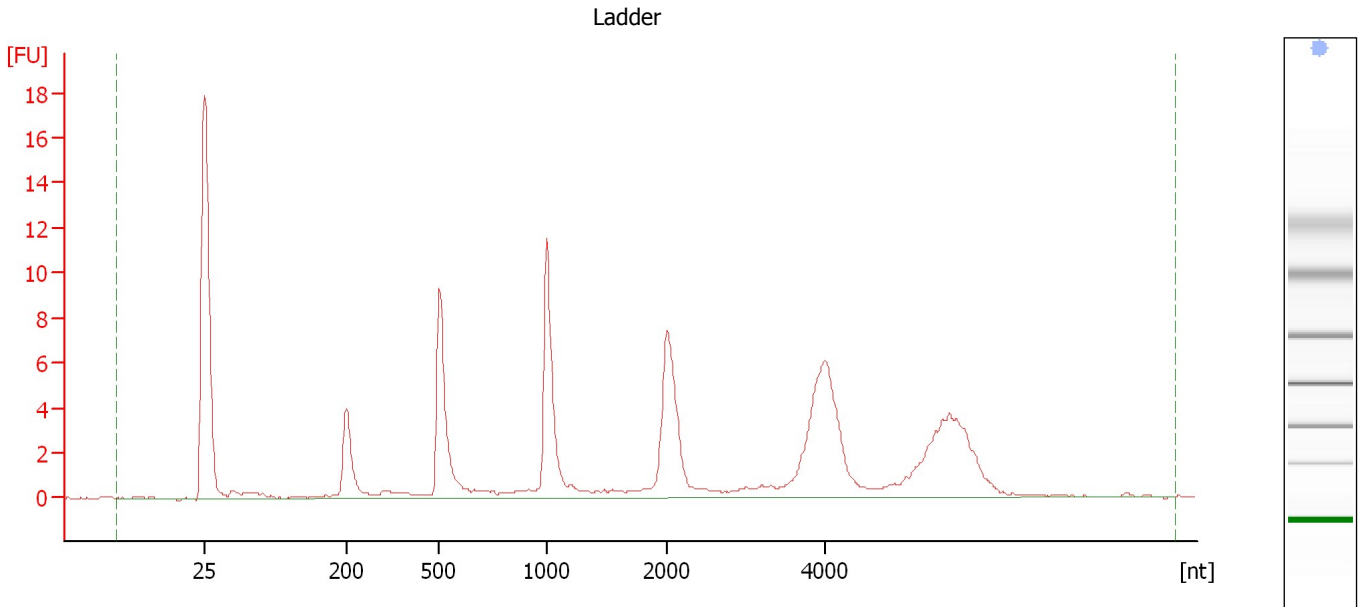
Ladder

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\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary



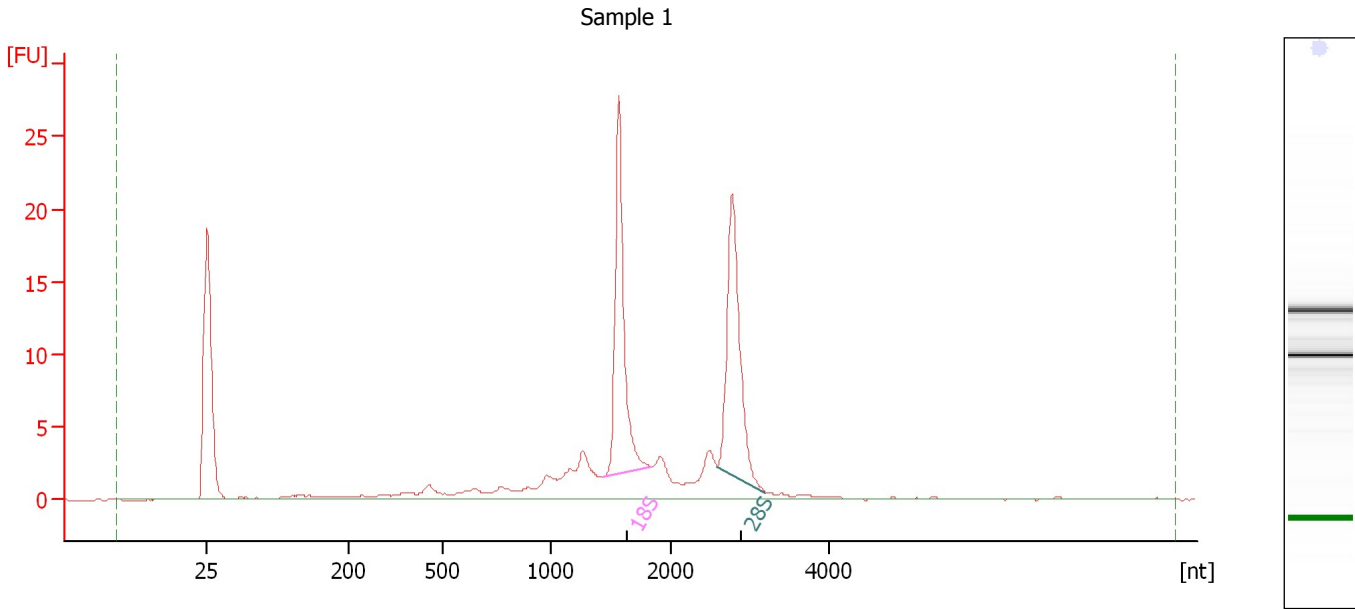
Overall Results for Ladder

RNA Area:	95.6	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\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	115.5	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	181 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.30

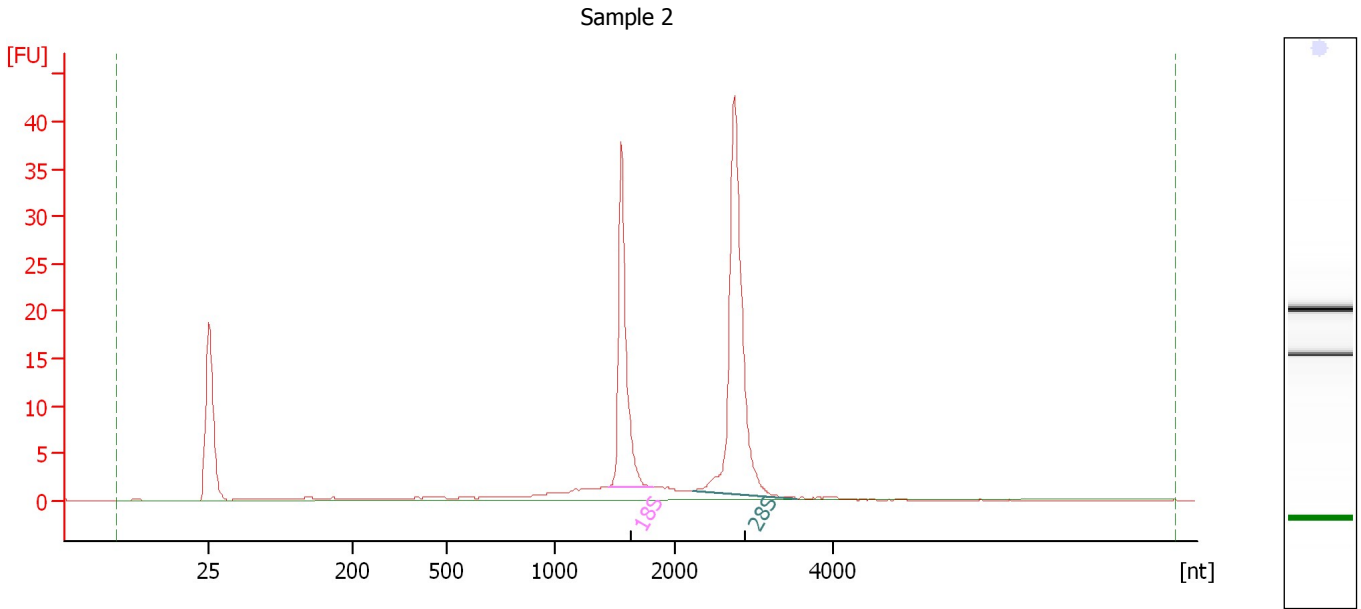
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,423	1,832	27.6	23.9
28S	2,584	3,194	27.4	23.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area: 130.9 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 205 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.80

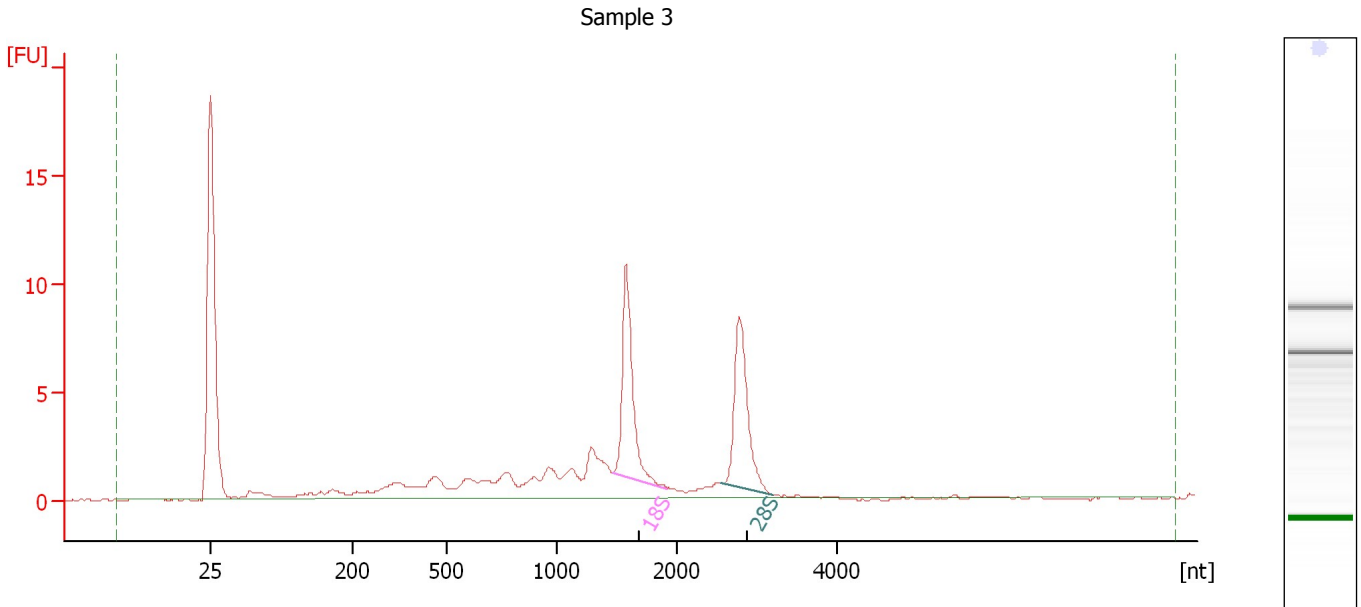
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	1,817	34.6	26.4
28S	2,220	3,528	60.0	45.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	67.9	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	106 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.40

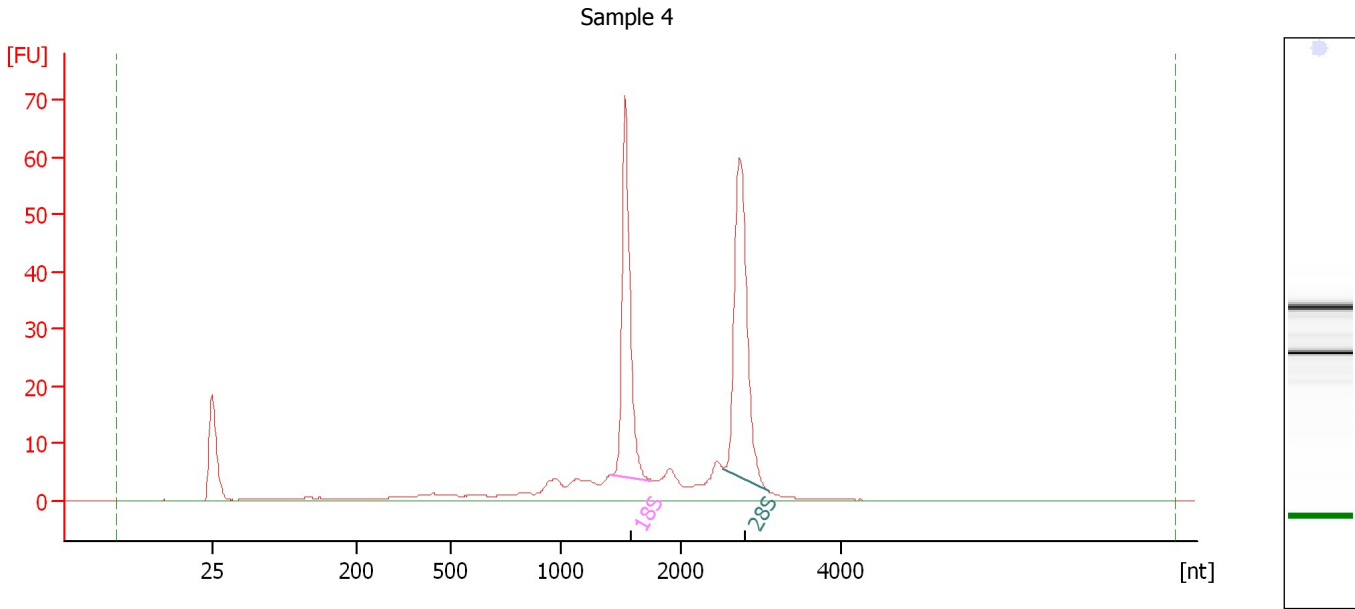
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,464	1,915	12.0	17.6
28S	2,557	3,190	11.4	16.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	263.1	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	413 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.80

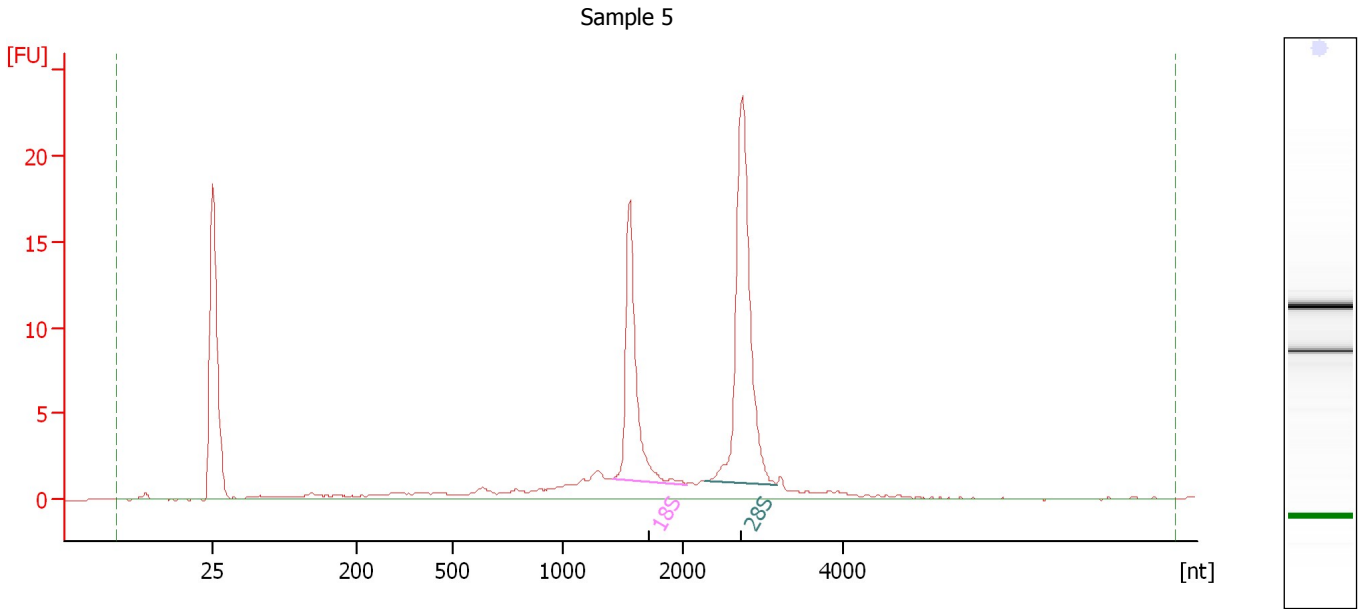
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,424	1,749	64.2	24.4
28S	2,530	3,093	77.6	29.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
 Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	93.2	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	146 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.10

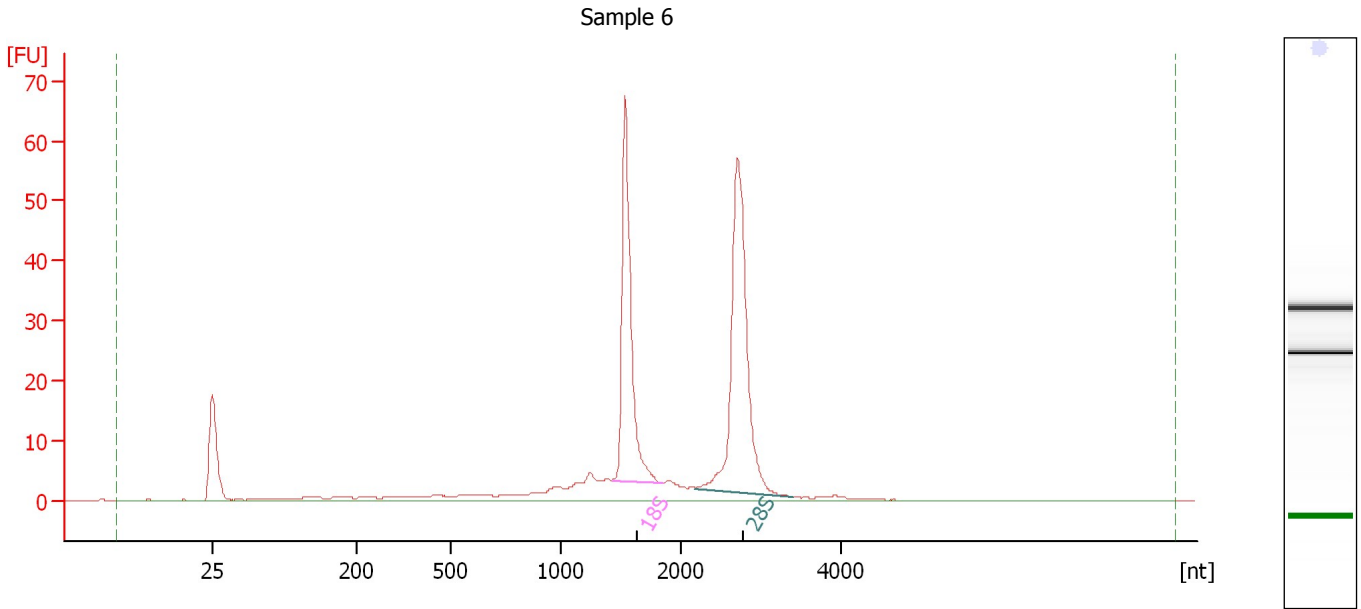
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,417	2,035	19.8	21.2
28S	2,263	3,159	34.2	36.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	250.8	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	393 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.20

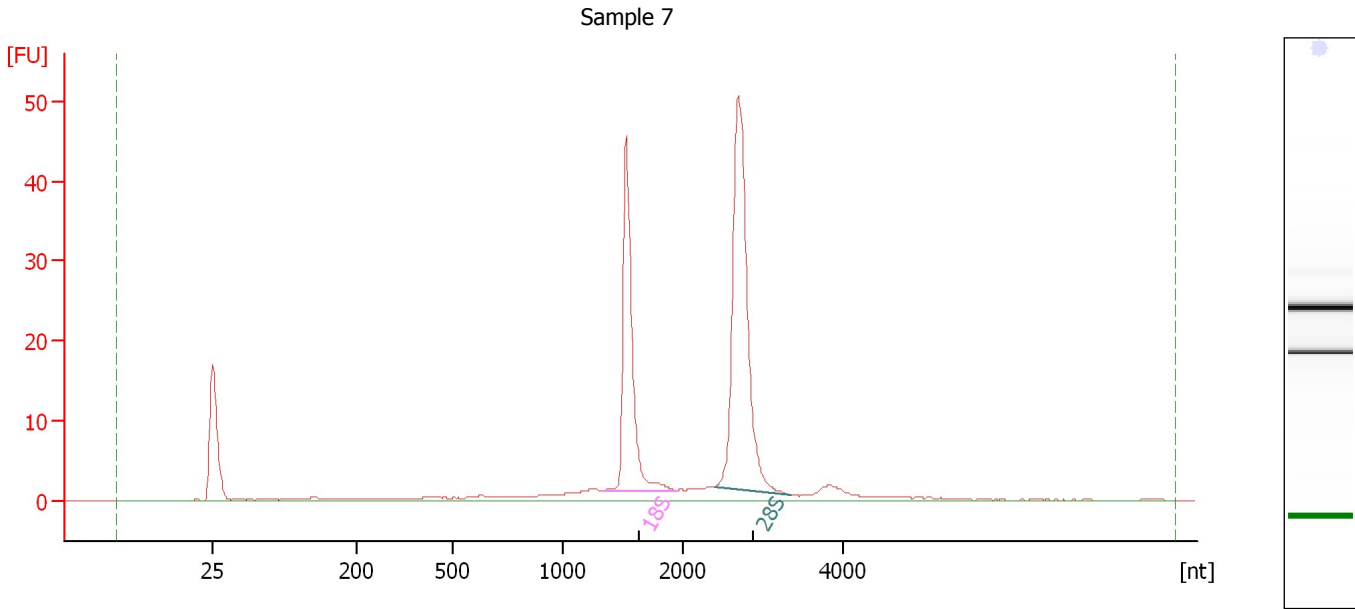
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,433	1,837	69.0	27.5
28S	2,168	3,388	94.6	37.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	182.4	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	286 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.90

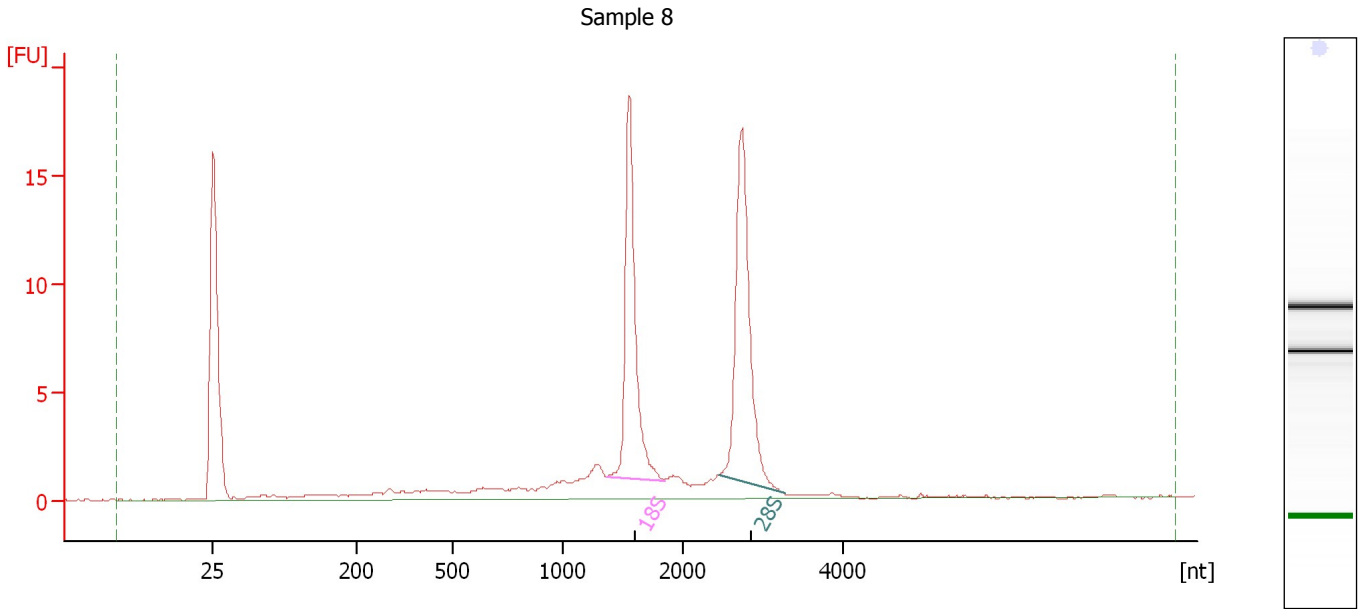
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,329	1,944	47.8	26.2
28S	2,396	3,346	79.1	43.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area: 81.4 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 128 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:9

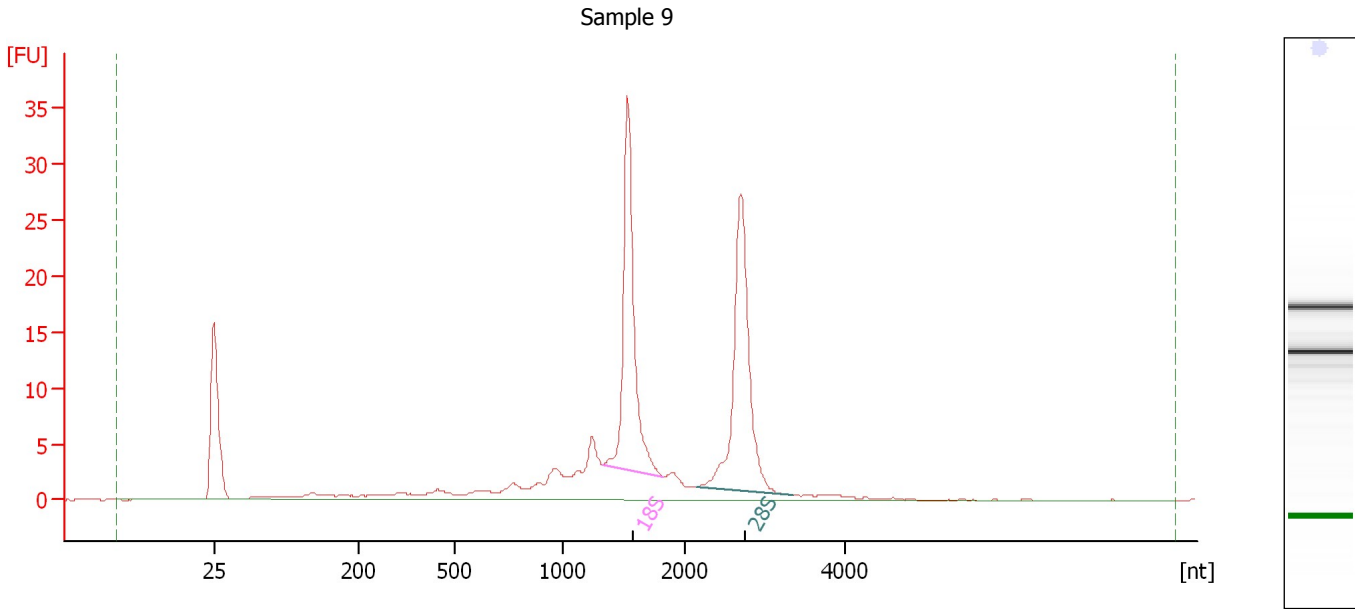
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,373	1,838	20.9	25.6
28S	2,450	3,266	24.6	30.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	163.3	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	256 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

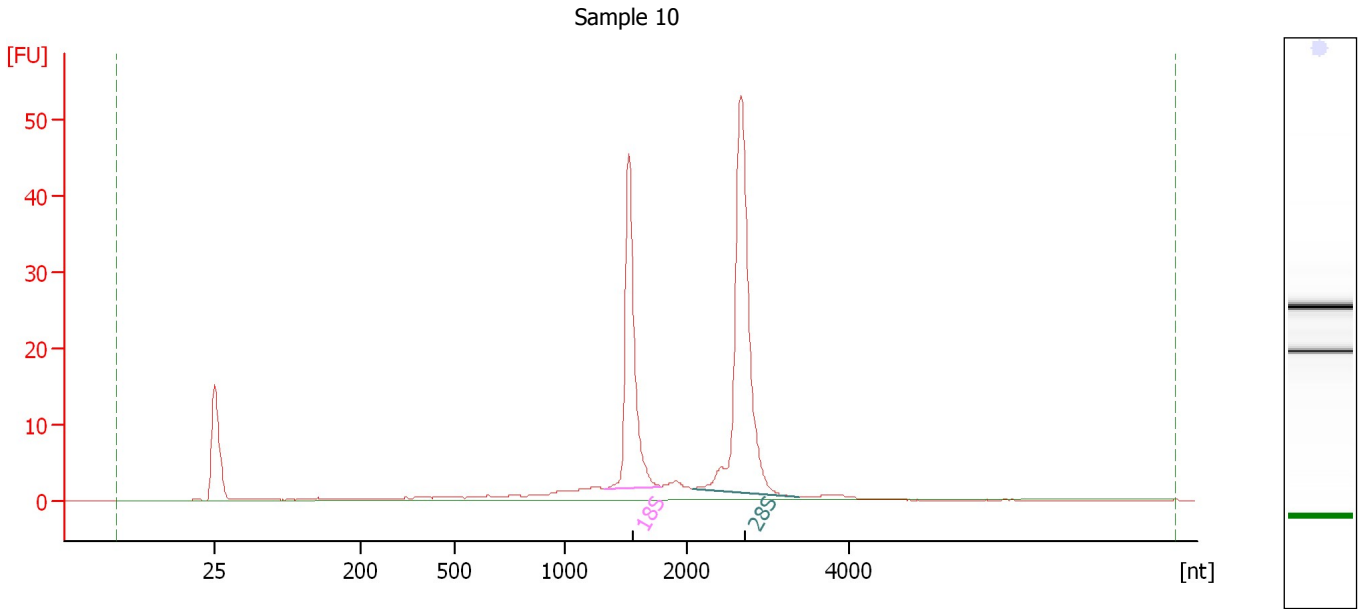
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,323	1,813	41.7	25.6
28S	2,143	3,331	44.4	27.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area: 179.3 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 281 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.80

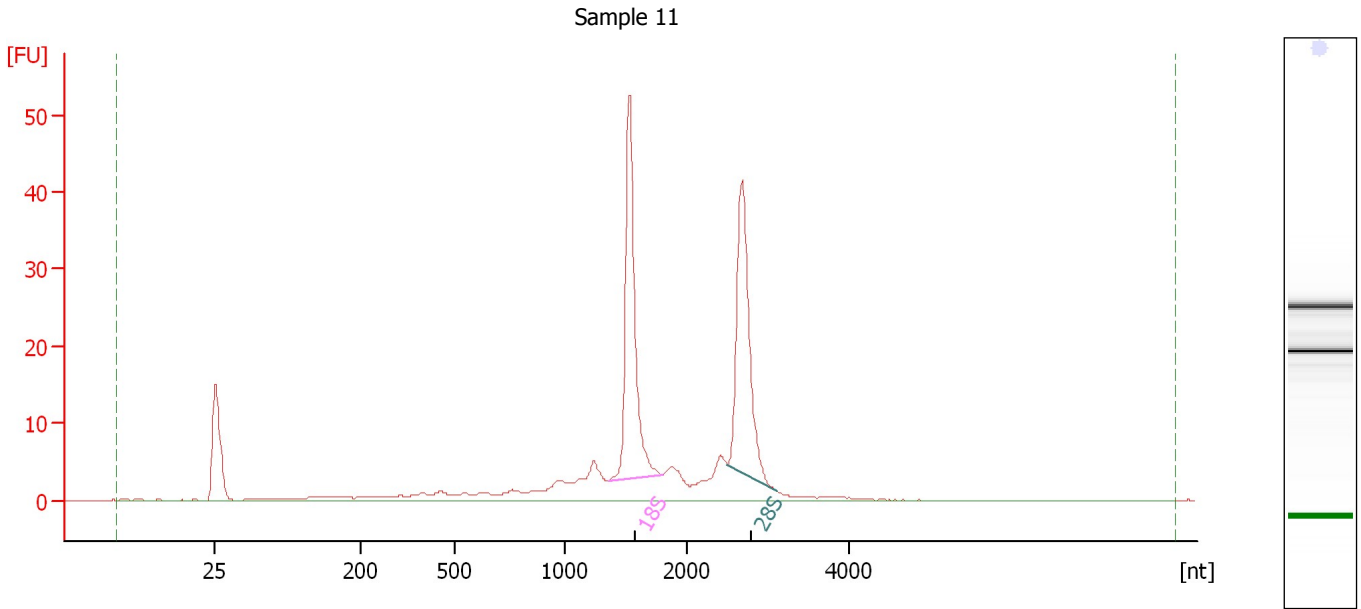
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,325	1,779	47.1	26.3
28S	2,064	3,396	79.1	44.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	210.3	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	330 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.60

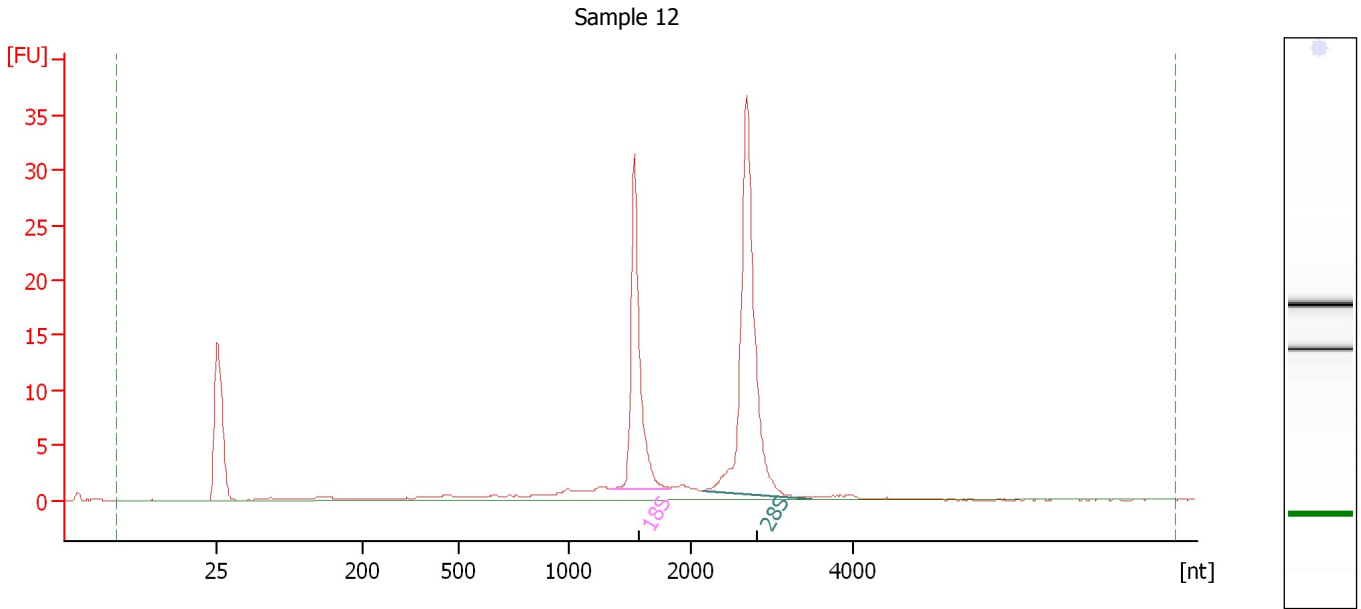
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,351	1,788	54.6	26.0
28S	2,490	3,103	51.5	24.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

RNA Area: 120.8 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 189 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.80

Fragment table for sample 12 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,346	1,817	32.2	26.7
28S	2,132	3,485	52.9	43.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-10\2015-09-10_001.xad

Created: 9/10/2015 11:00:14 AM
Modified: 9/10/2015 11:24:04 AM

Gel Image

