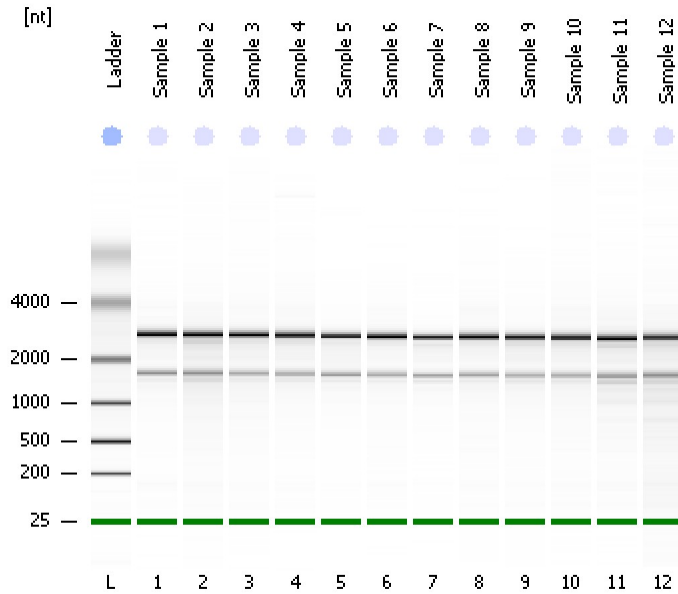


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

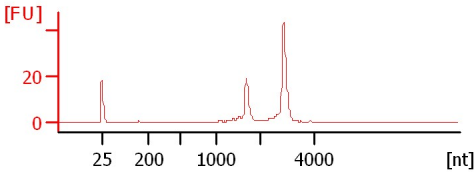
Assay Information:

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.

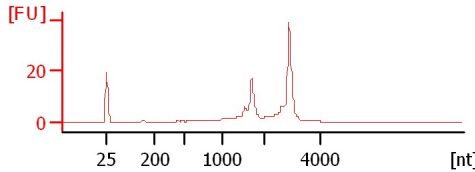
Chip Information:

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

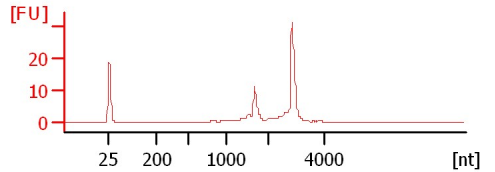
Sample 1
RIN: 8.90



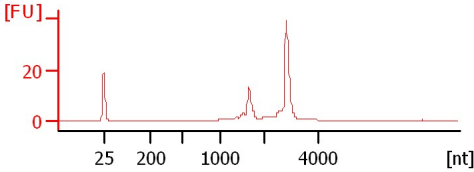
Sample 2
RIN: 8.20



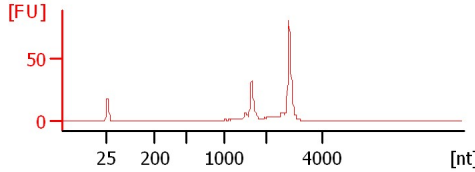
Sample 3
RIN: 8.40



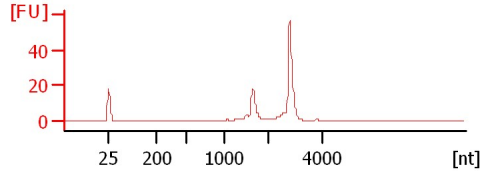
Sample 4
RIN: 8.40



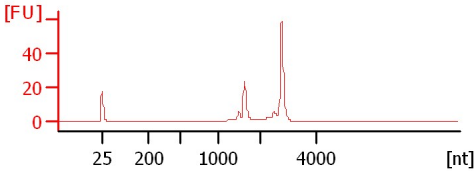
Sample 5
RIN: 8.70



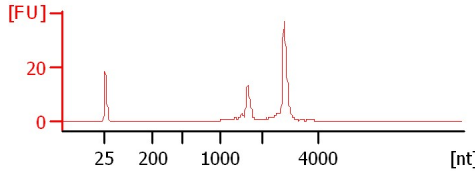
Sample 6
RIN: 8.40



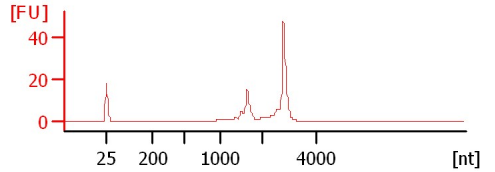
Sample 7
RIN: 8.70



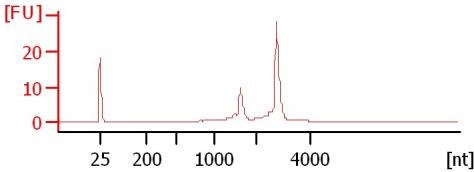
Sample 8
RIN: 8.50



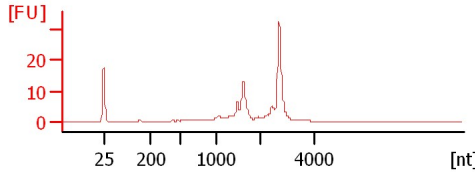
Sample 9
RIN: 8.20



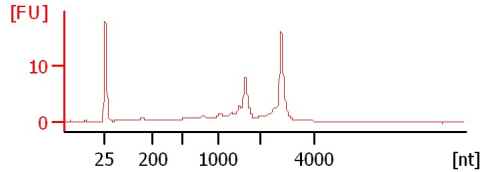
Sample 10
RIN: 8.40



Sample 11
RIN: 8.10



Sample 12
RIN: 8.20



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 8.90	
Sample 2		✓	RIN: 8.20	
Sample 3		✓	RIN: 8.40	
Sample 4		✓	RIN: 8.40	
Sample 5		✓	RIN: 8.70	
Sample 6		✓	RIN: 8.40	
Sample 7		✓	RIN: 8.70	
Sample 8		✓	RIN: 8.50	
Sample 9		✓	RIN: 8.20	
Sample 10		✓	RIN: 8.40	
Sample 11		✓	RIN: 8.10	
Sample 12		✓	RIN: 8.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 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

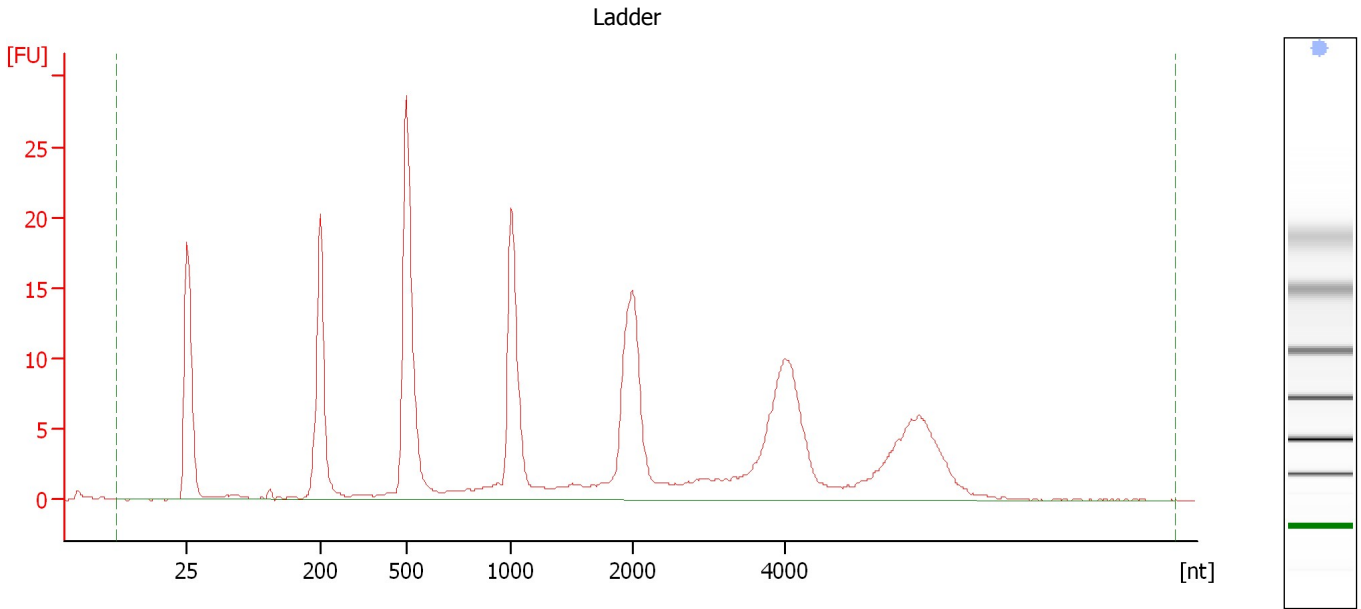
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary



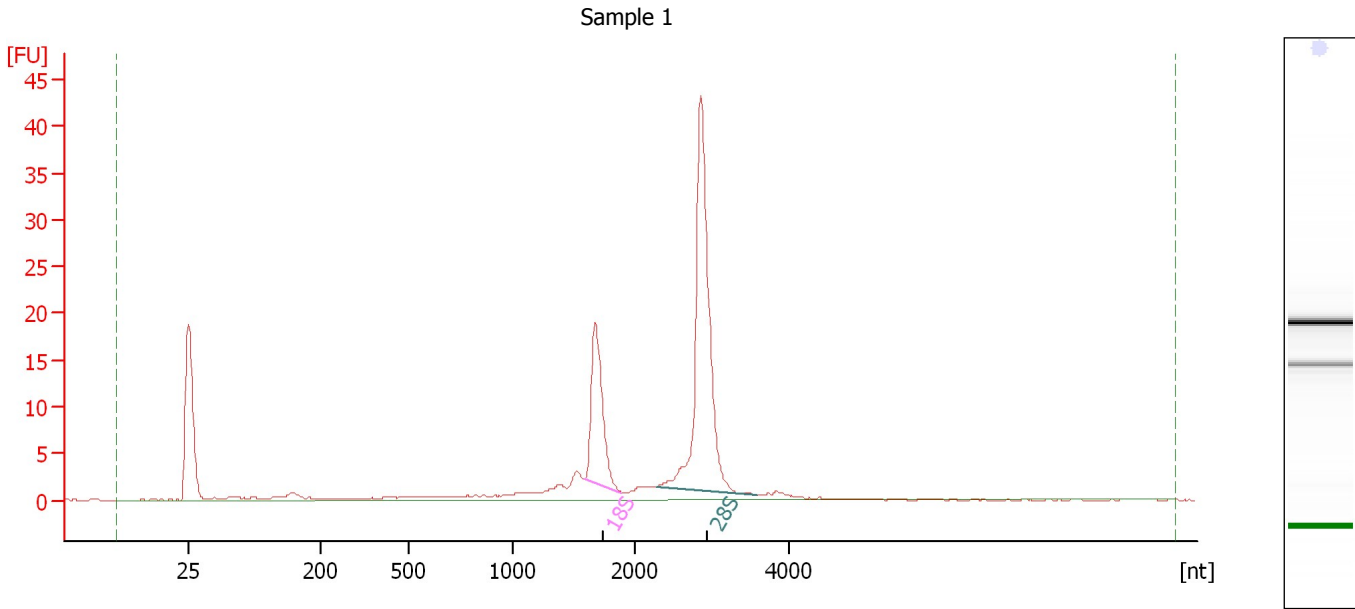
Overall Results for Ladder

RNA Area:	237.7	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	138.3	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	87 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.7	Result Flagging Label:	RIN: 8.90

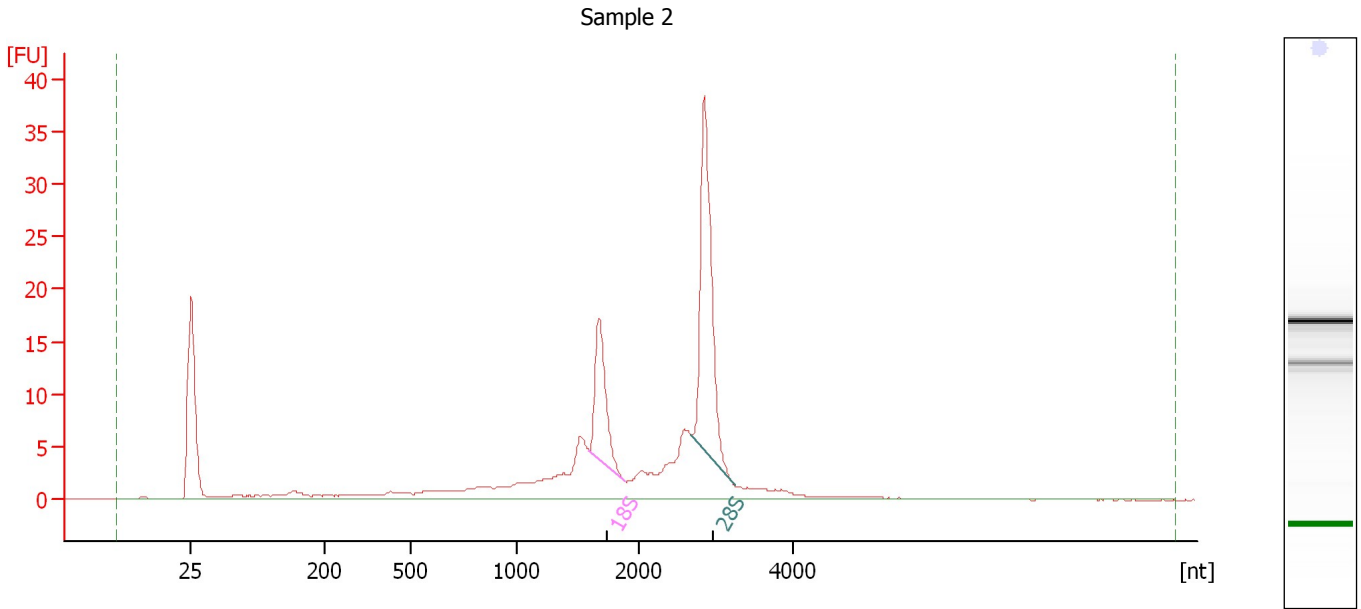
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,894	24.3	17.5
28S	2,292	3,581	65.5	47.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	170.9	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	108 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 8.20

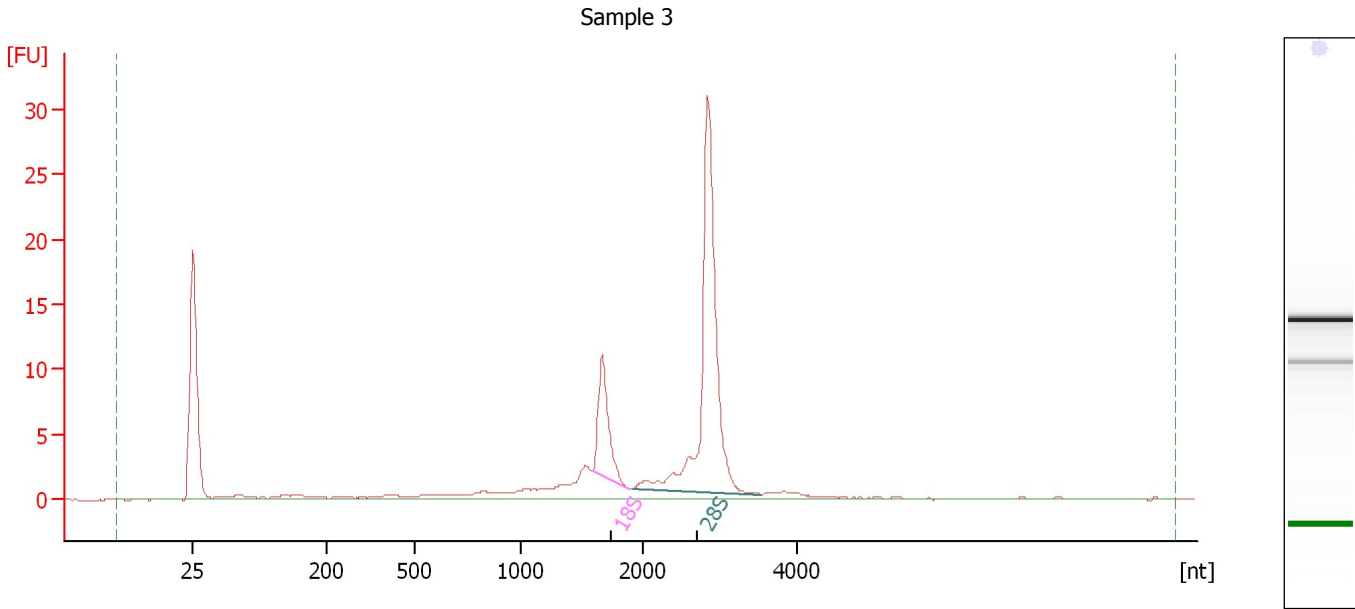
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,597	1,888	17.9	10.5
28S	2,693	3,245	42.0	24.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	97.0	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.0	Result Flagging Label:	RIN: 8.40

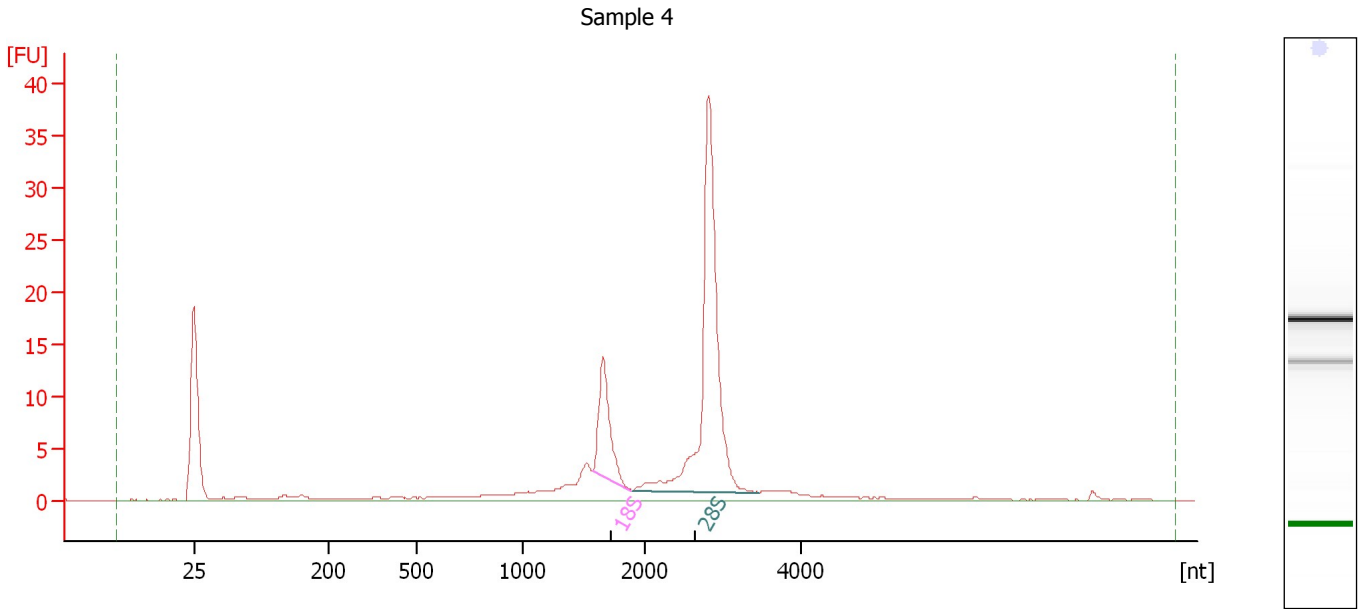
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,890	12.0	12.3
28S	1,925	3,517	47.7	49.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	131.9	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	83 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.9	Result Flagging Label:	RIN: 8.40

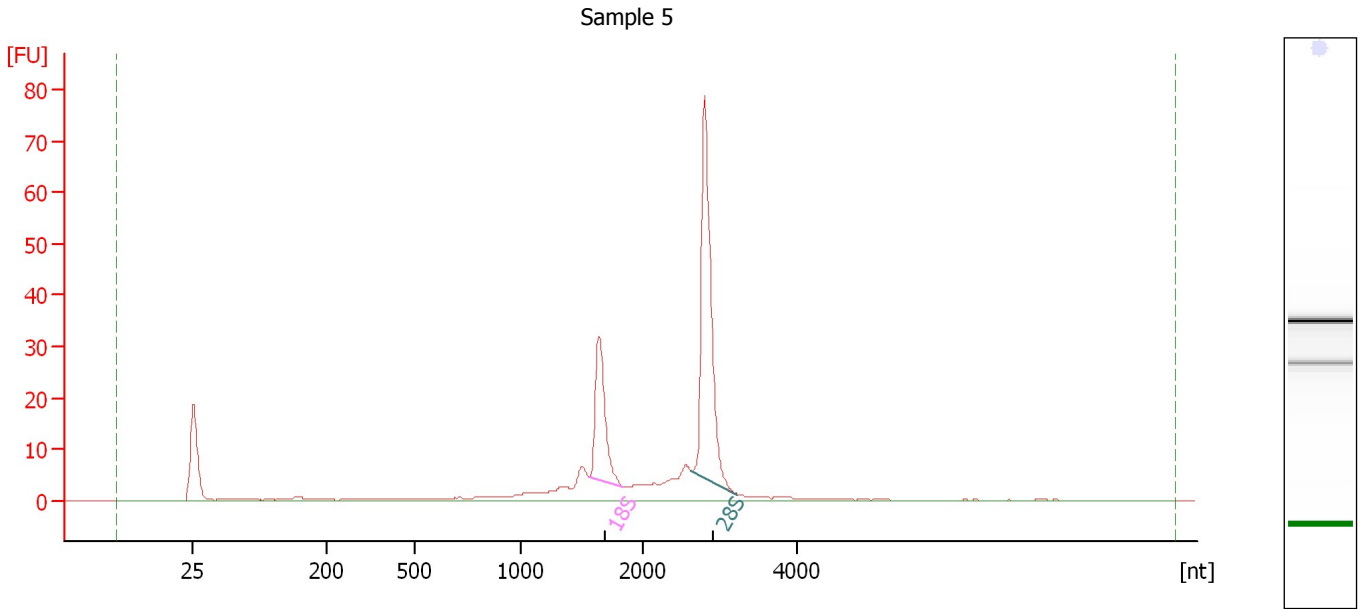
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	1,891	15.6	11.8
28S	1,908	3,460	61.4	46.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
 Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	218.6	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	138 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 8.70

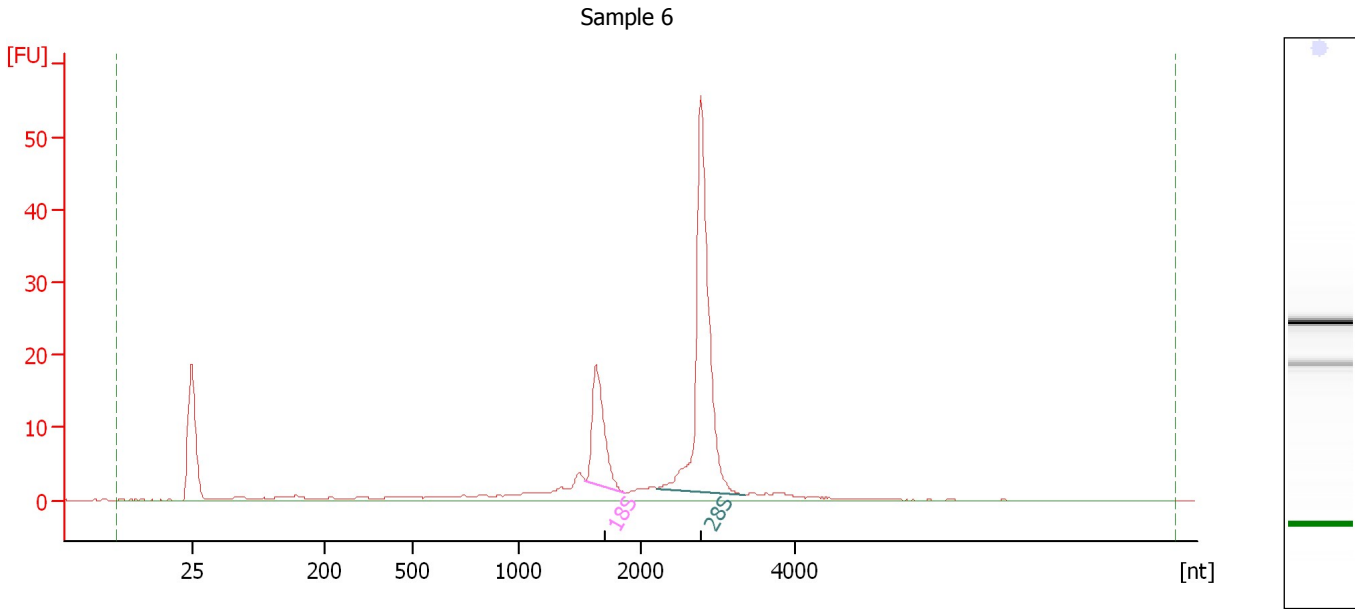
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	1,846	33.7	15.4
28S	2,637	3,228	79.9	36.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	166.3	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	105 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.2	Result Flagging Label:	RIN: 8.40

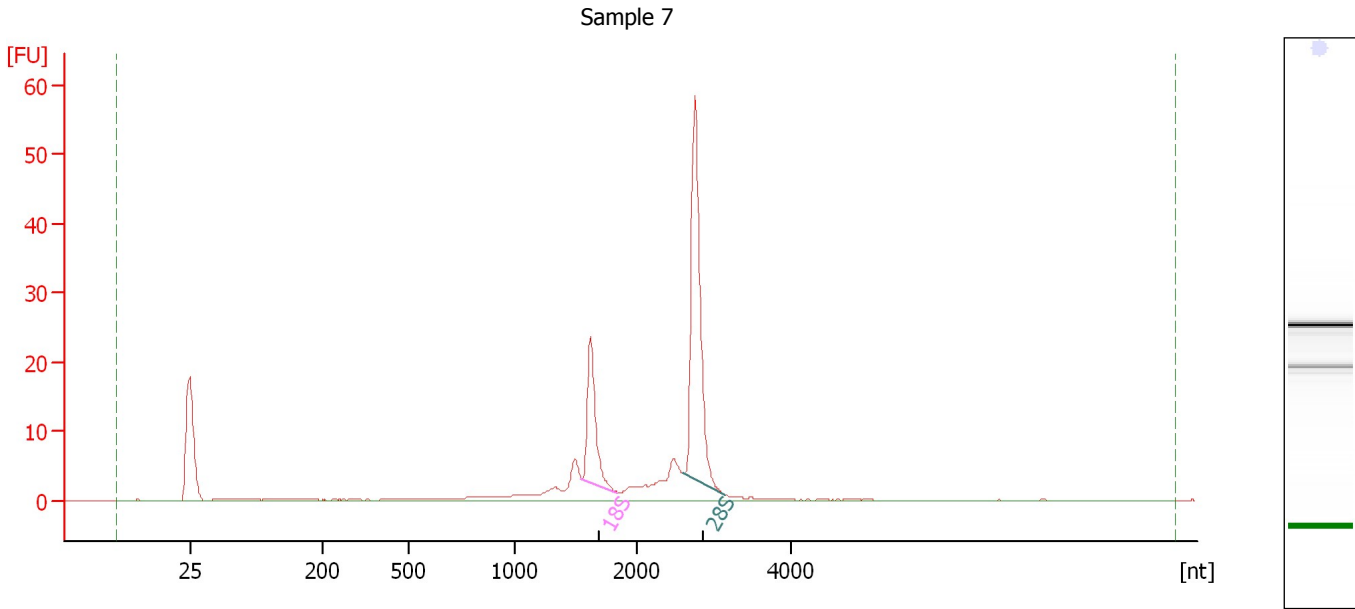
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	1,871	24.6	14.8
28S	2,225	3,340	78.9	47.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area: 145.1 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 92 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.5 Result Flagging Label: RIN: 8.70

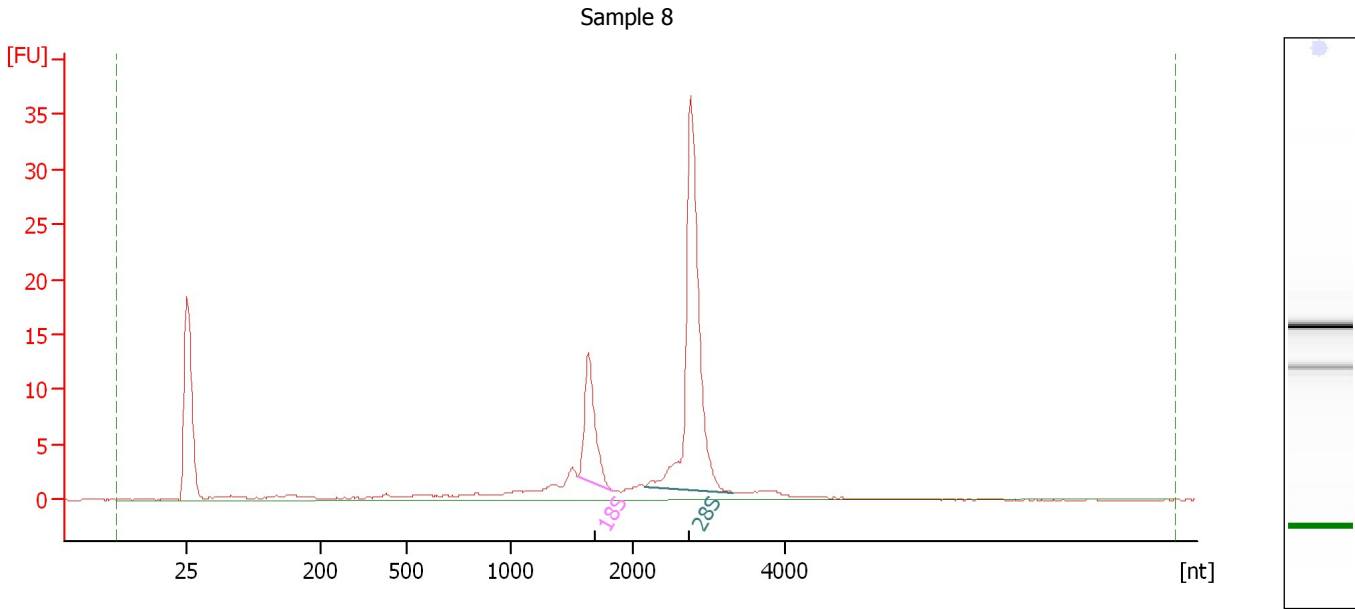
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,842	22.6	15.6
28S	2,610	3,150	55.3	38.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	115.8	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	73 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.3	Result Flagging Label:	RIN: 8.50

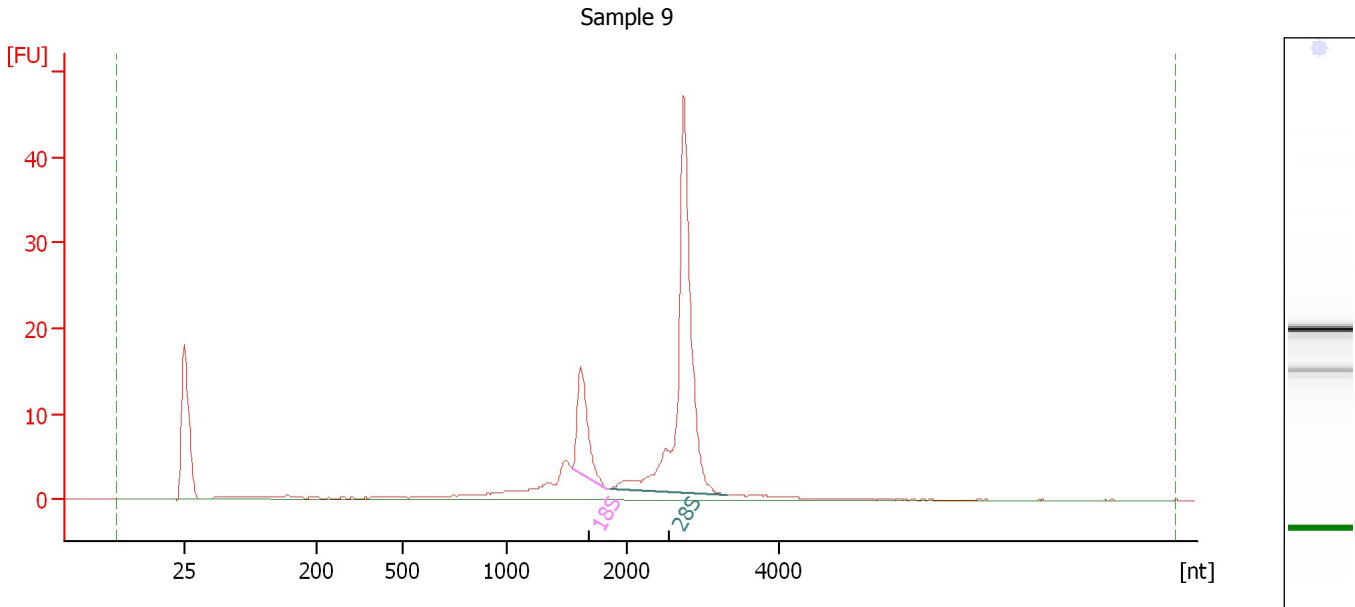
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,849	15.8	13.7
28S	2,166	3,319	52.3	45.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
 Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	147.9	RNA Integrity Number (RIN):	8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	93 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.4	Result Flagging Label:	RIN: 8.20

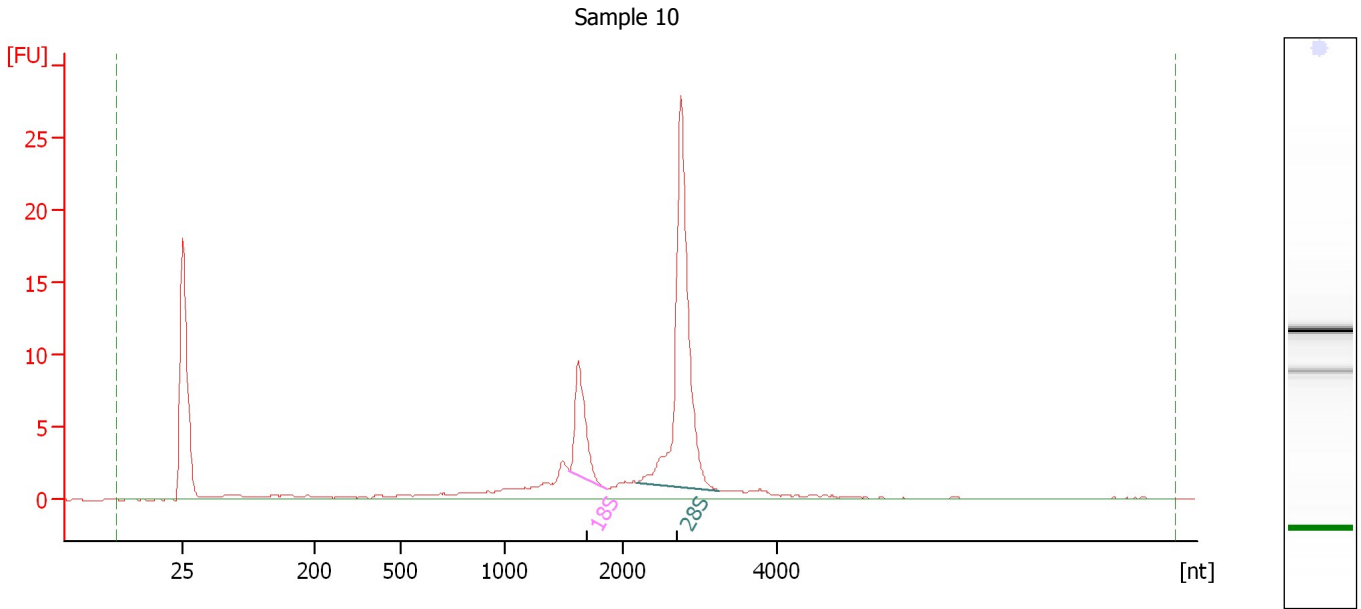
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,846	16.6	11.2
28S	1,881	3,310	73.2	49.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area: 90.9 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 57 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 3.8 Result Flagging Label: RIN: 8.40

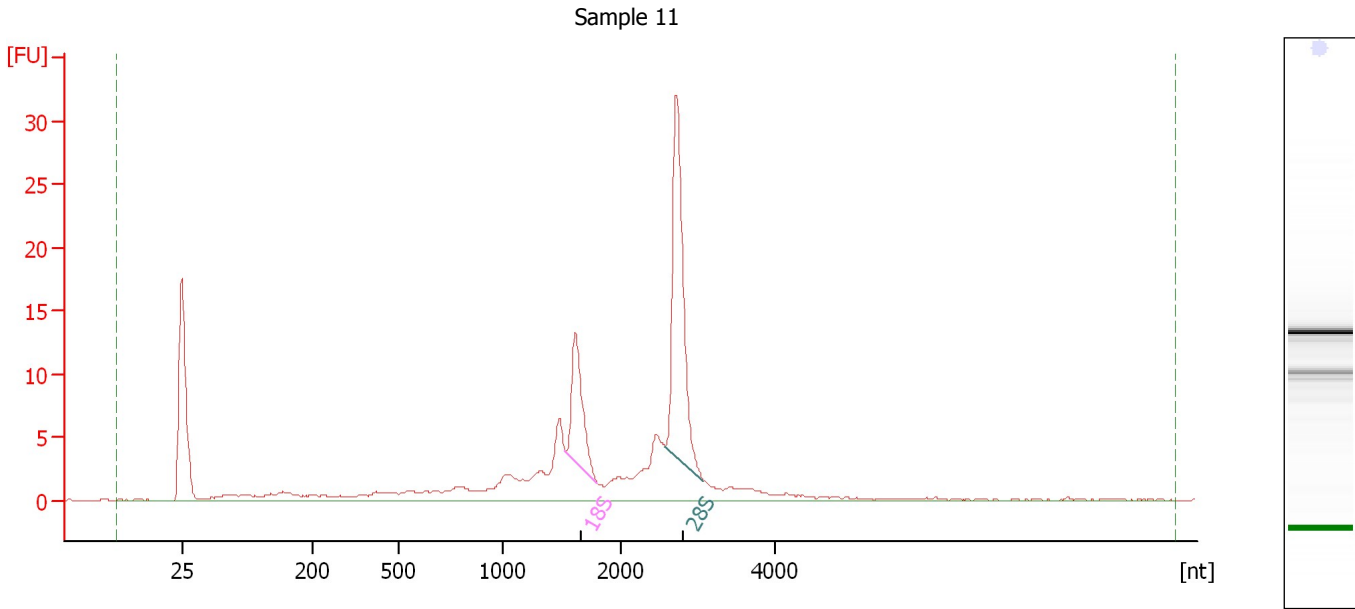
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	1,862	10.5	11.6
28S	2,177	3,256	40.3	44.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	139.5	RNA Integrity Number (RIN):	8.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	88 ng/μl		
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.10

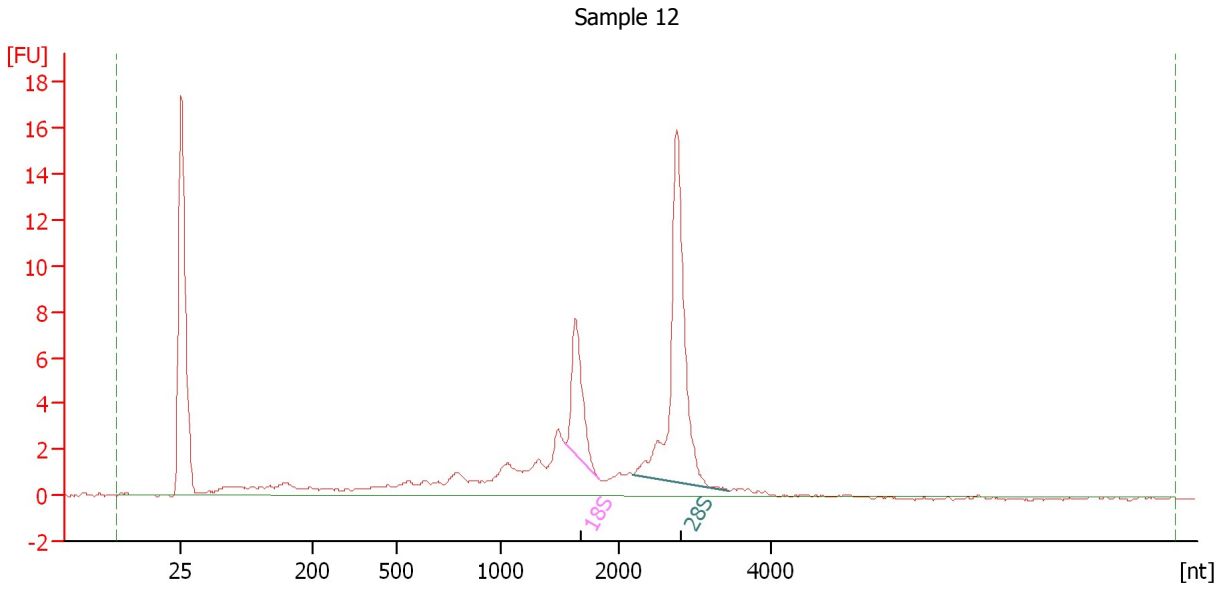
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,799	14.5	10.4
28S	2,569	3,075	34.9	25.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

RNA Area: 82.6 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 52 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.9 Result Flagging Label: RIN: 8.20

Fragment table for sample 12 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	1,824	8.4	10.1
28S	2,175	3,428	24.7	29.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-06\2019-03-06_001.xad

Created: 3/6/2019 9:07:03 AM
Modified: 3/6/2019 9:46:50 AM

Gel Image

