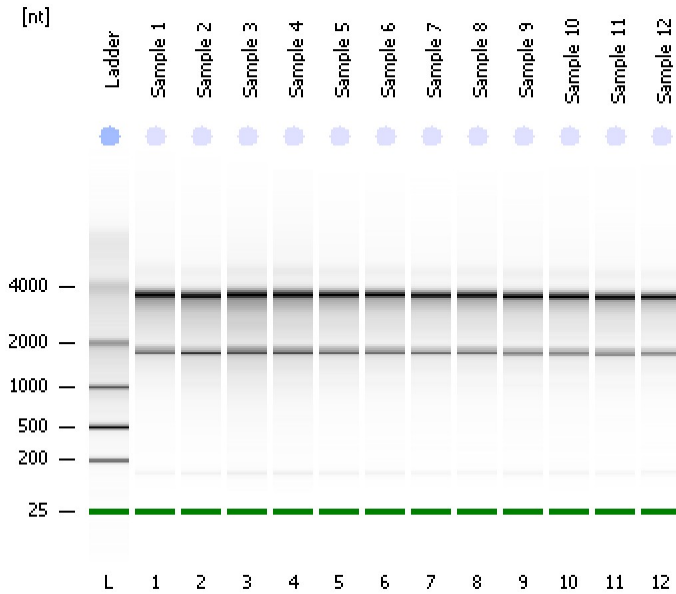


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electrophoresis File Run Summary



Instrument Information:

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

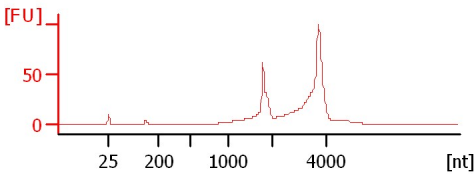
Assay Information:

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.

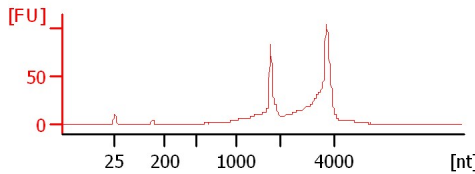
Chip Information:

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

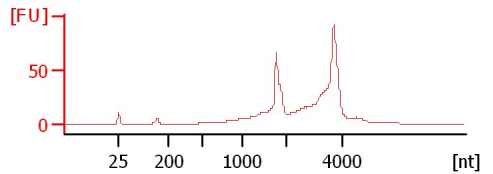
Sample 1
RIN: 9.90



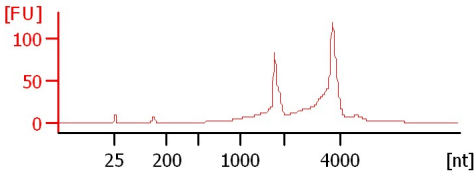
Sample 2
RIN: 9.40



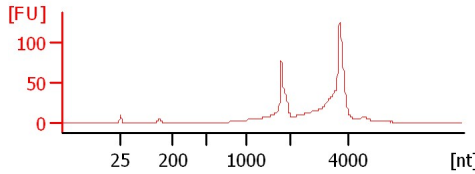
Sample 3
RIN: 8.60



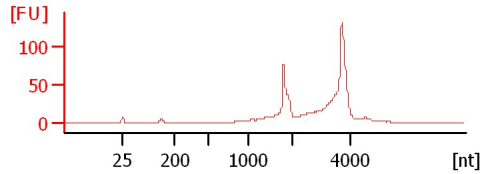
Sample 4
RIN: 9.40



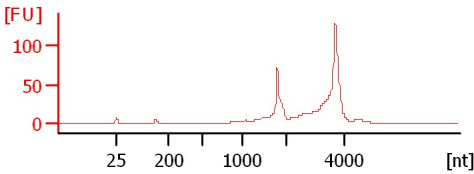
Sample 5
RIN: 9.70



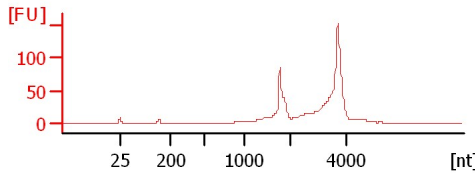
Sample 6
RIN: 9.70



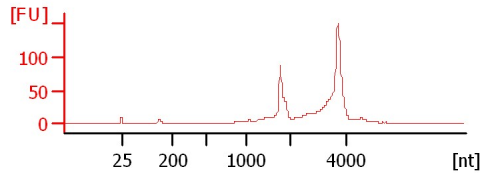
Sample 7
RIN: 9.60



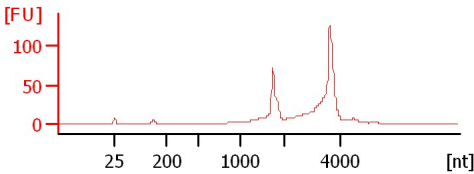
Sample 8
RIN: 9.60



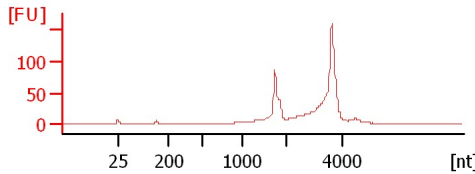
Sample 9
RIN: 9.70



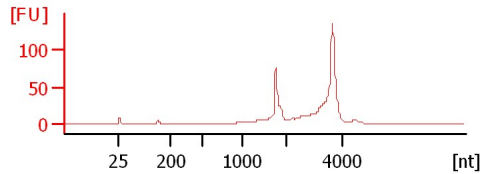
Sample 10
RIN: 9.20



Sample 11
RIN: 9.70



Sample 12
RIN: 9.70



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.90	
Sample 2		✓	RIN: 9.40	
Sample 3		✓	RIN: 8.60	
Sample 4		✓	RIN: 9.40	
Sample 5		✓	RIN: 9.70	
Sample 6		✓	RIN: 9.70	
Sample 7		✓	RIN: 9.60	
Sample 8		✓	RIN: 9.60	
Sample 9		✓	RIN: 9.70	
Sample 10		✓	RIN: 9.20	
Sample 11		✓	RIN: 9.70	
Sample 12		✓	RIN: 9.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 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

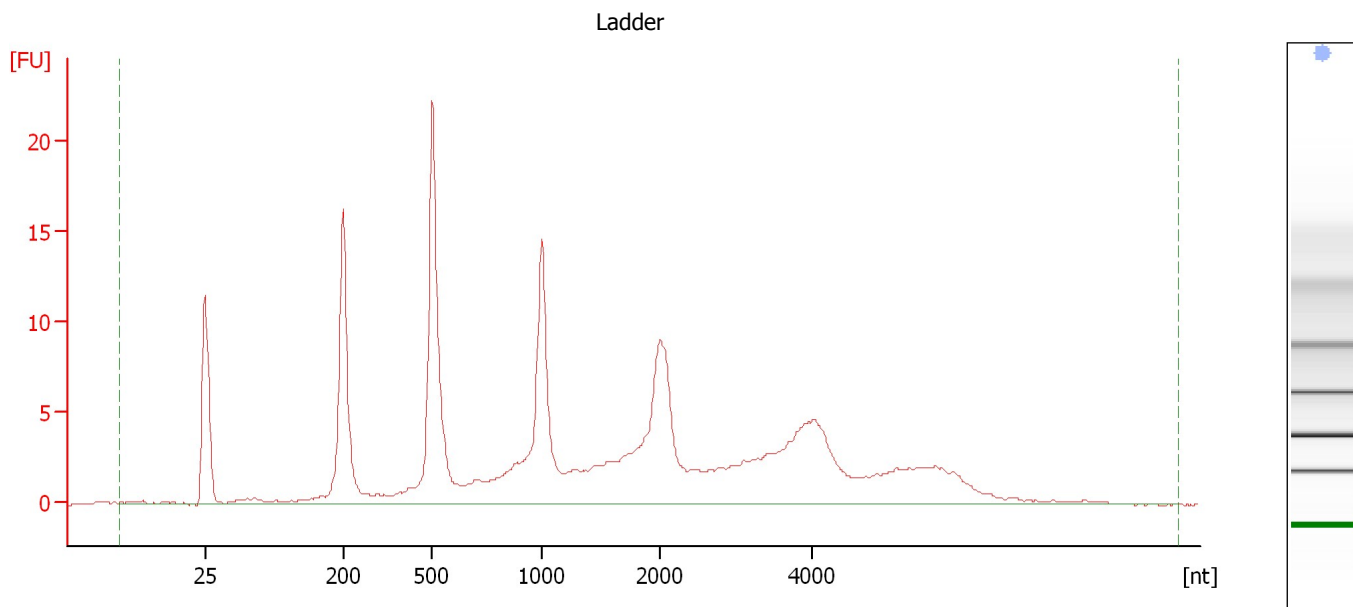
Ladder

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\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary



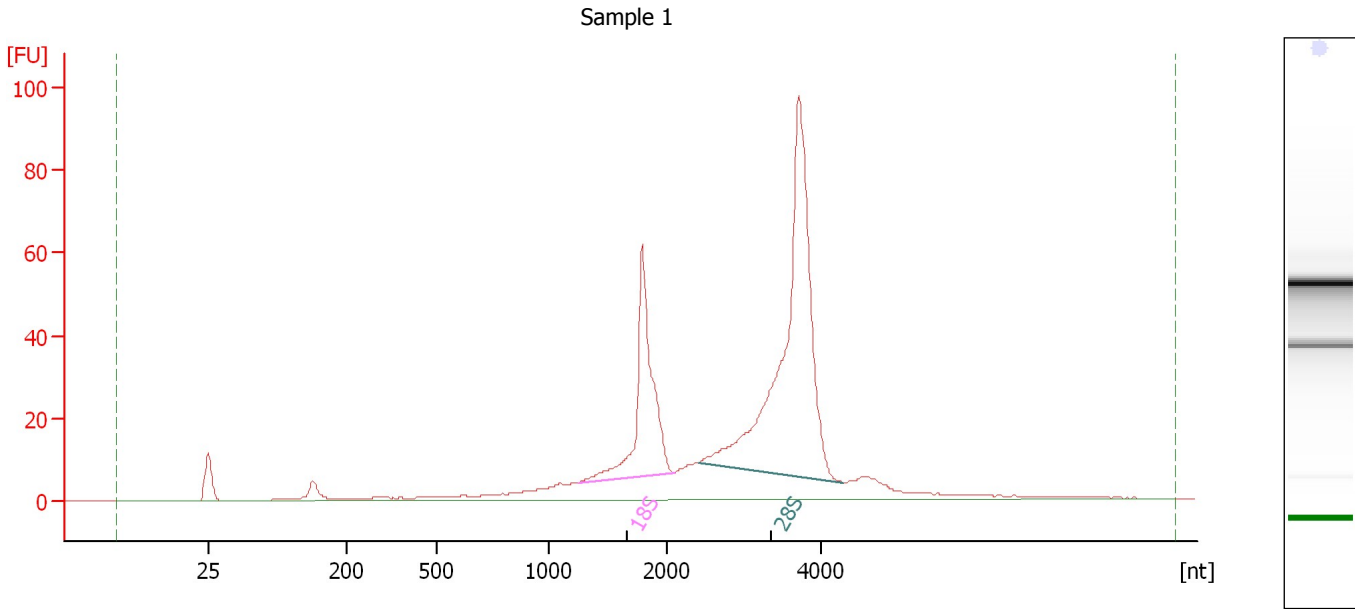
Overall Results for Ladder

RNA Area:	208.3	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	613.5	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	442 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.6	Result Flagging Label:	RIN: 9.90

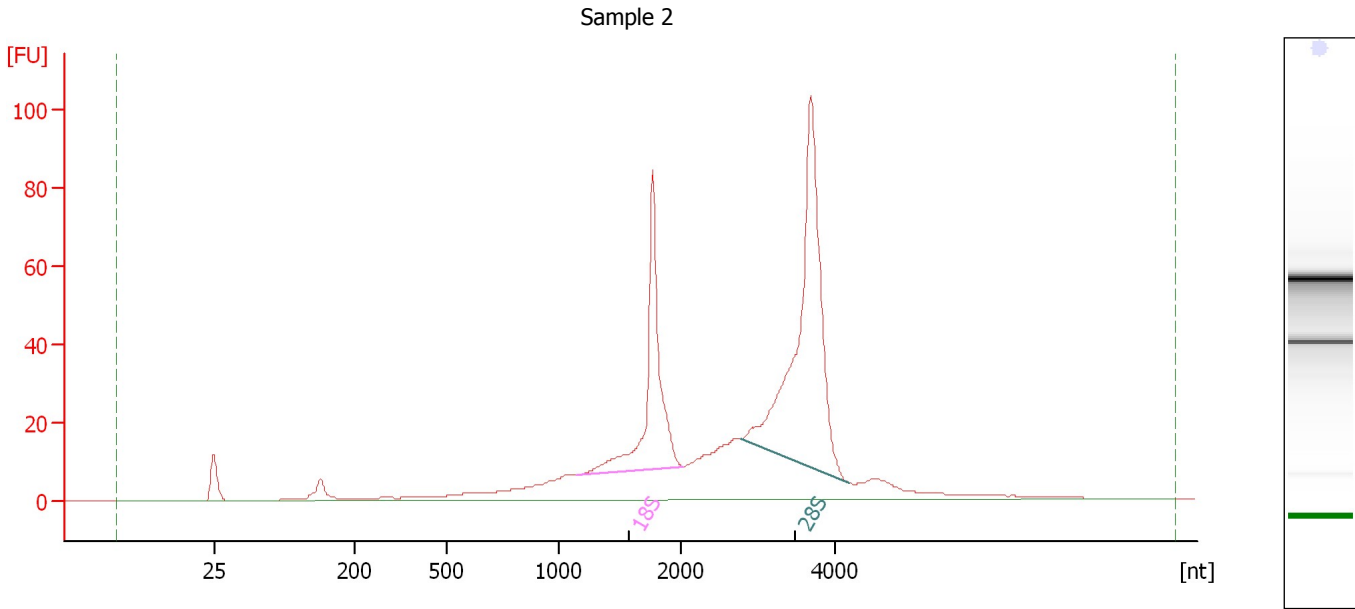
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,264	2,090	98.0	16.0
28S	2,396	4,292	256.1	41.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area: 700.2 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 504 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.40

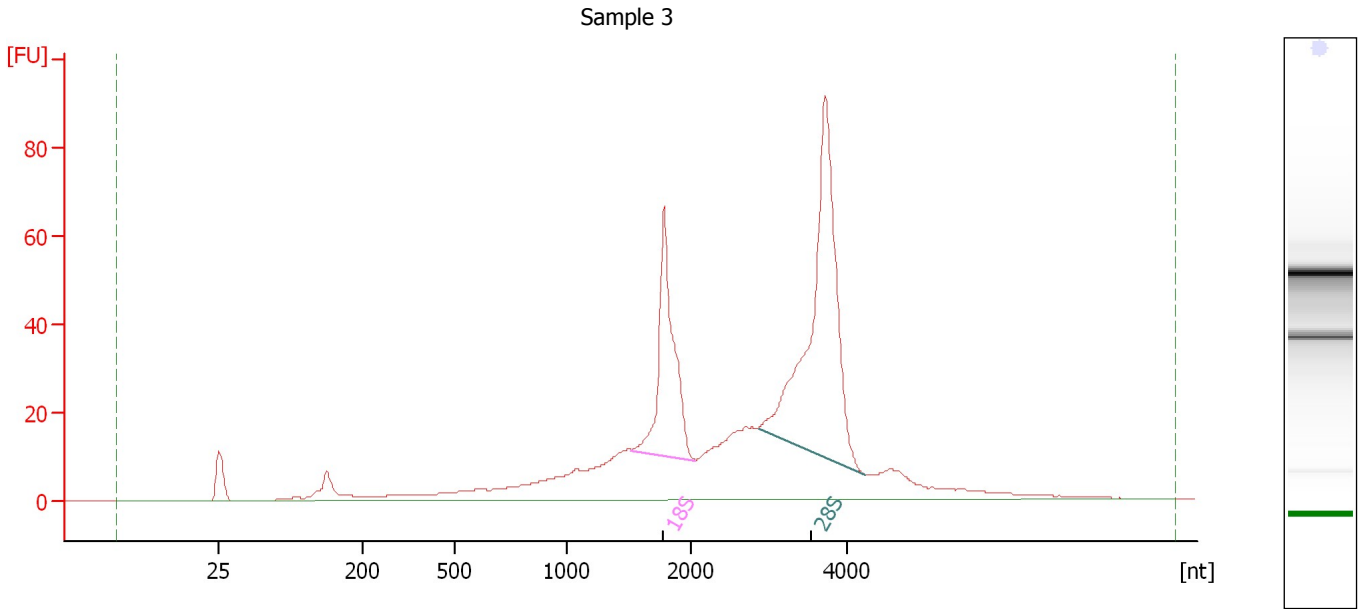
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,155	2,027	112.7	16.1
28S	2,784	4,174	222.6	31.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	745.9	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	537 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 8.60

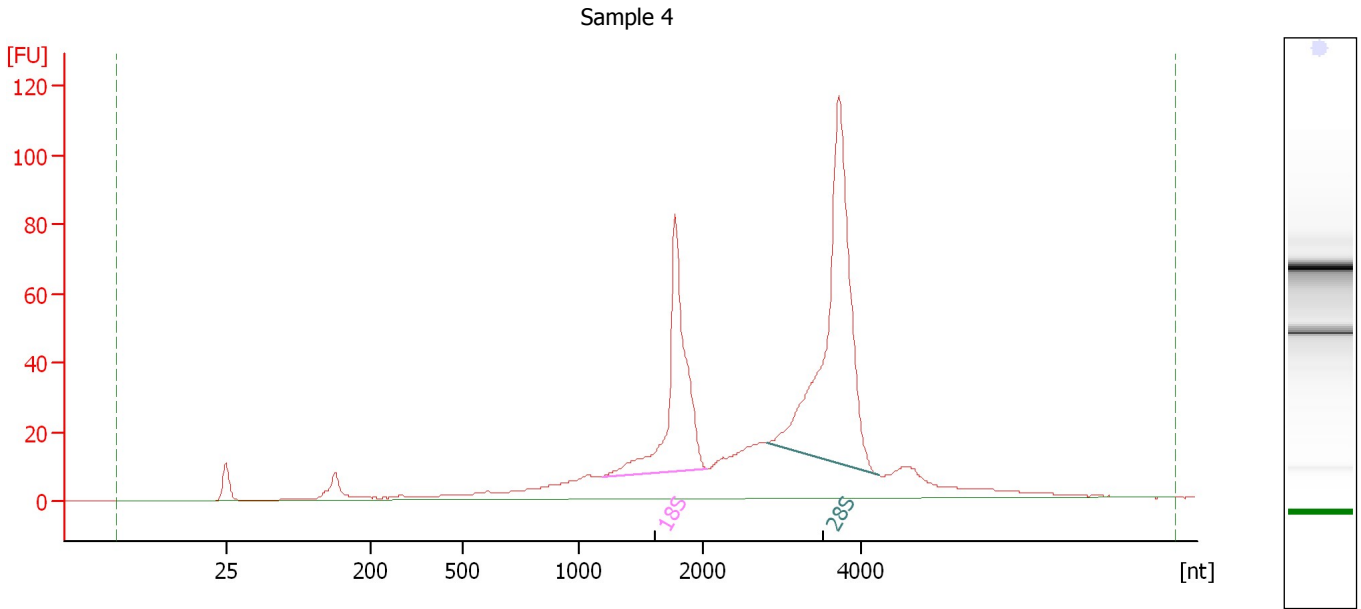
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	2,061	93.9	12.6
28S	2,864	4,226	209.0	28.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	827.1	RNA Integrity Number (RIN):	9.4 (B.02.08)
RNA Concentration:	595 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.40

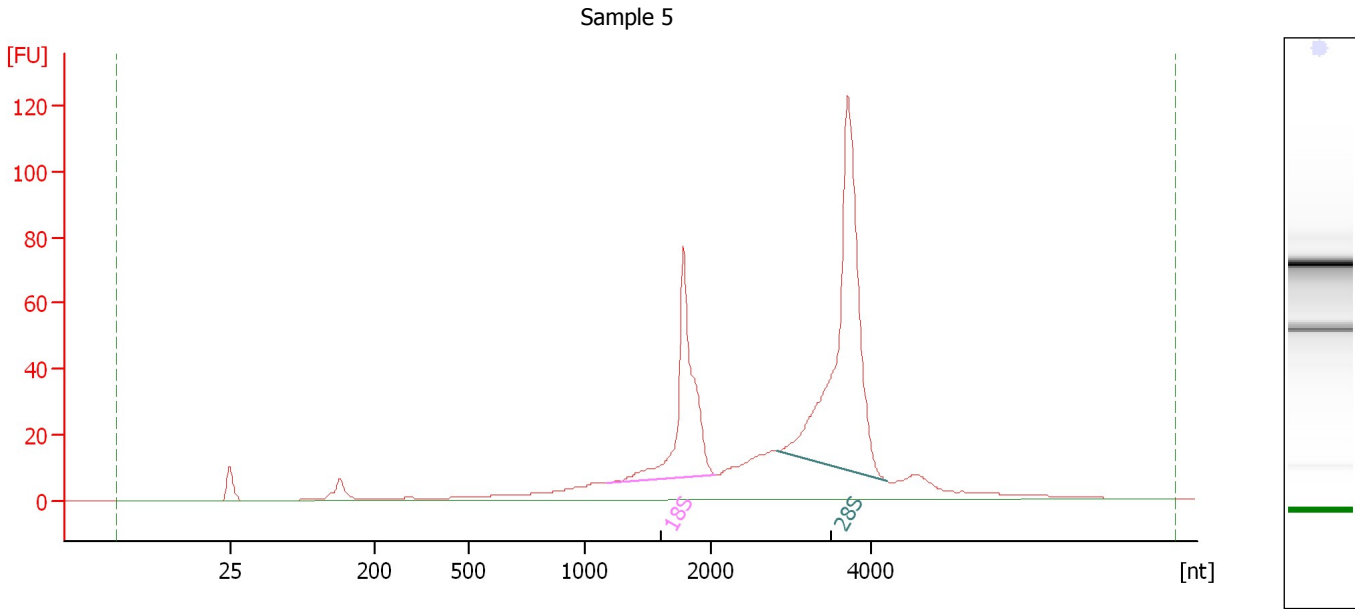
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,200	2,068	138.9	16.8
28S	2,808	4,220	259.0	31.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	718.1	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	517 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.70

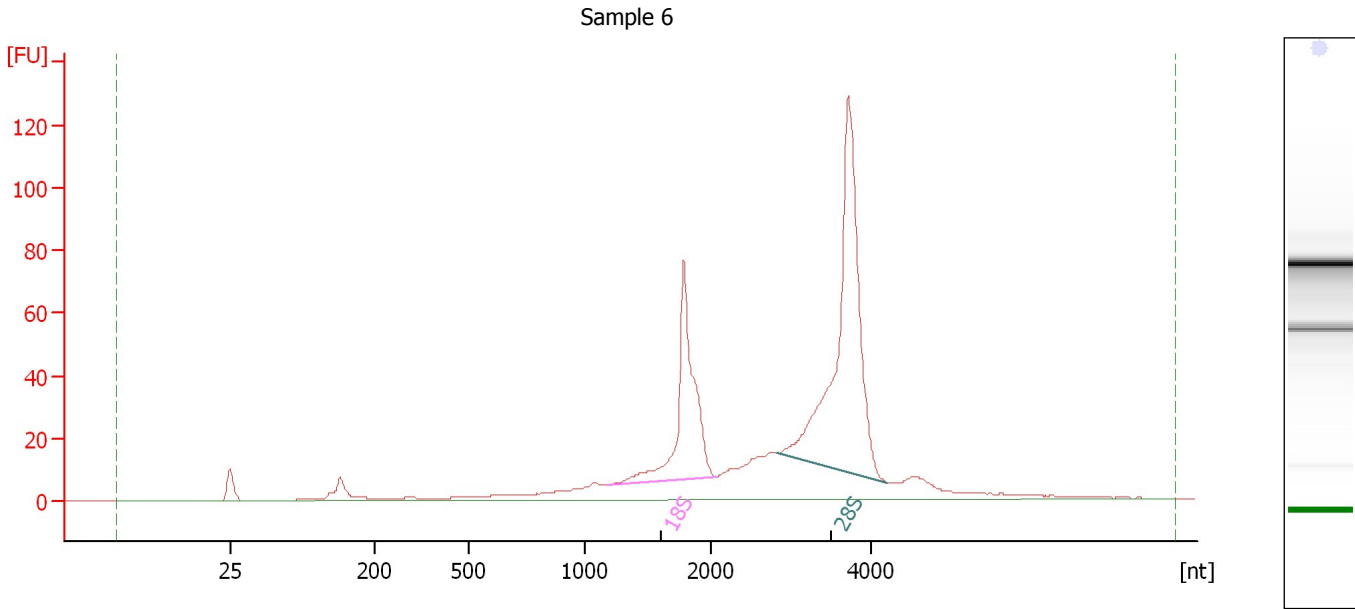
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,167	2,059	124.5	17.3
28S	2,833	4,207	250.0	34.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area: 732.9 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 528 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.70

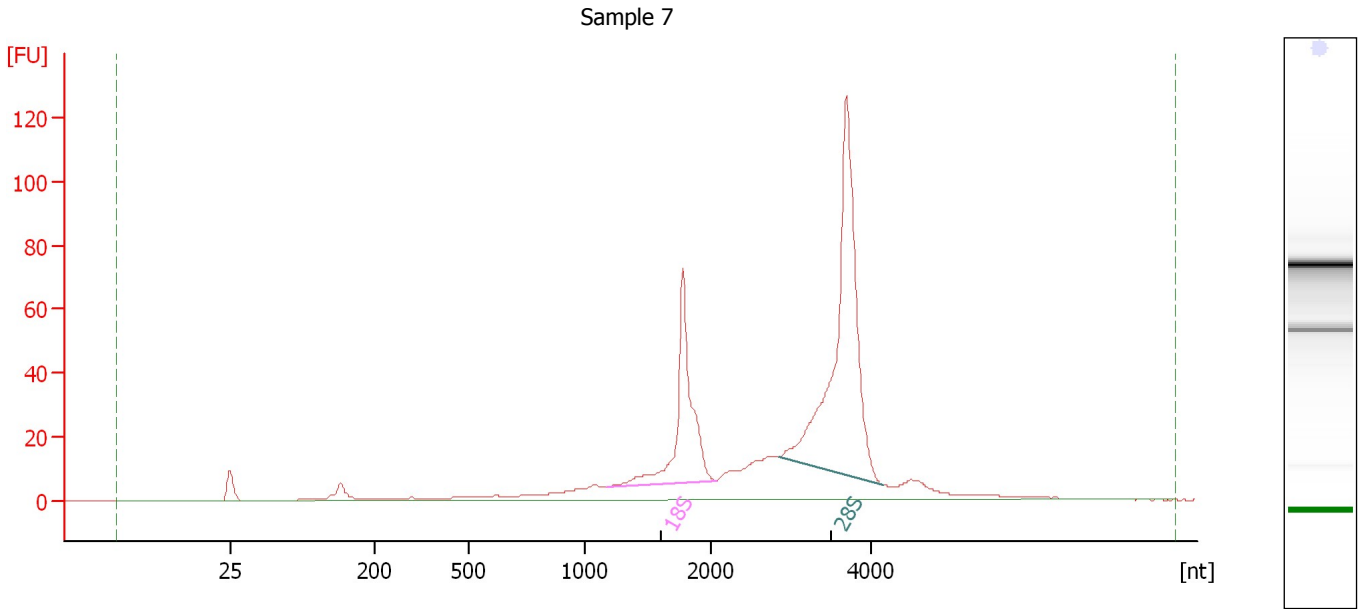
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,167	2,072	127.3	17.4
28S	2,833	4,194	258.5	35.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	655.3	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	472 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 9.60

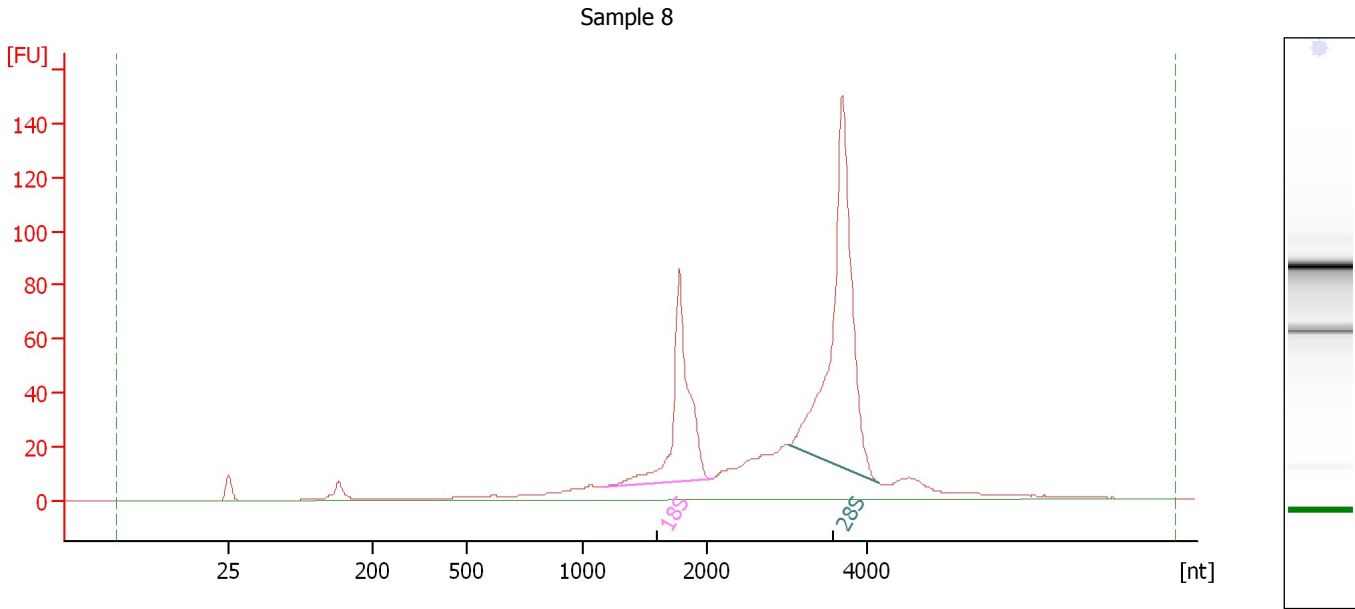
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,167	2,072	107.0	16.3
28S	2,859	4,154	243.4	37.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
 Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	808.4	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	582 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.60

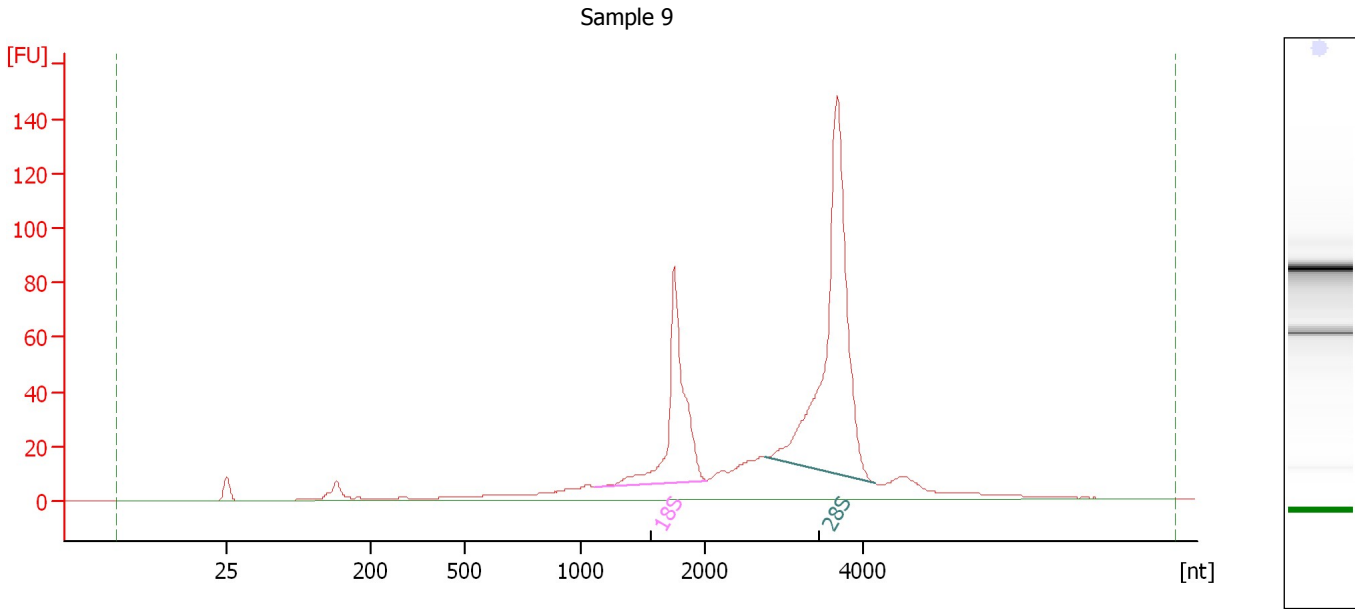
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,162	2,070	137.2	17.0
28S	3,021	4,174	278.5	34.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	791.4	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	570 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.70

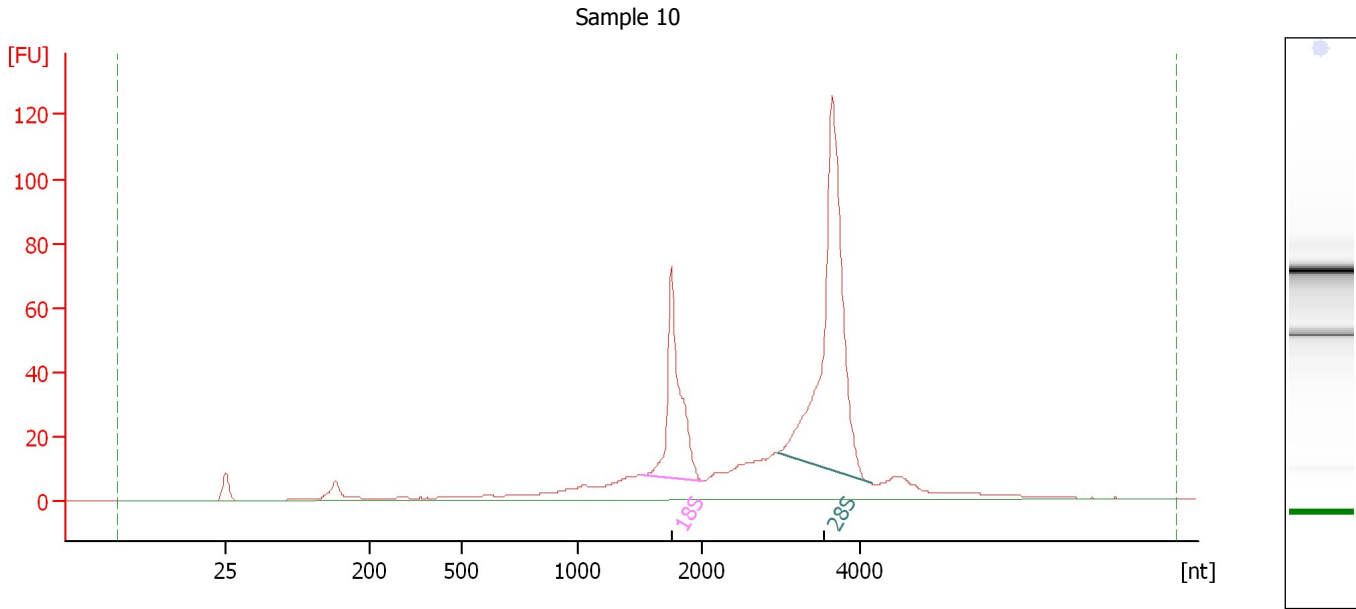
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,125	2,028	134.8	17.0
28S	2,767	4,150	296.6	37.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area: 661.3 RNA Integrity Number (RIN): 9.2 (B.02.08)
RNA Concentration: 476 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.4 Result Flagging Label: RIN: 9.20

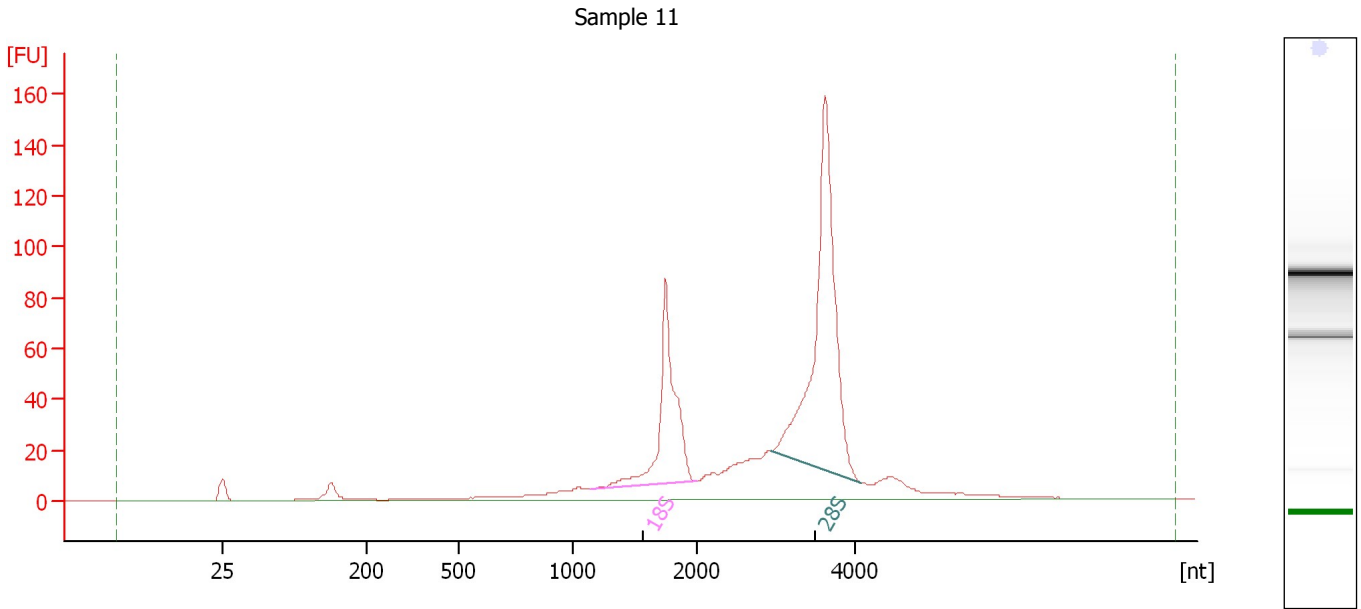
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	2,013	95.3	14.4
28S	2,956	4,143	229.8	34.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area: 815.6 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 587 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.70

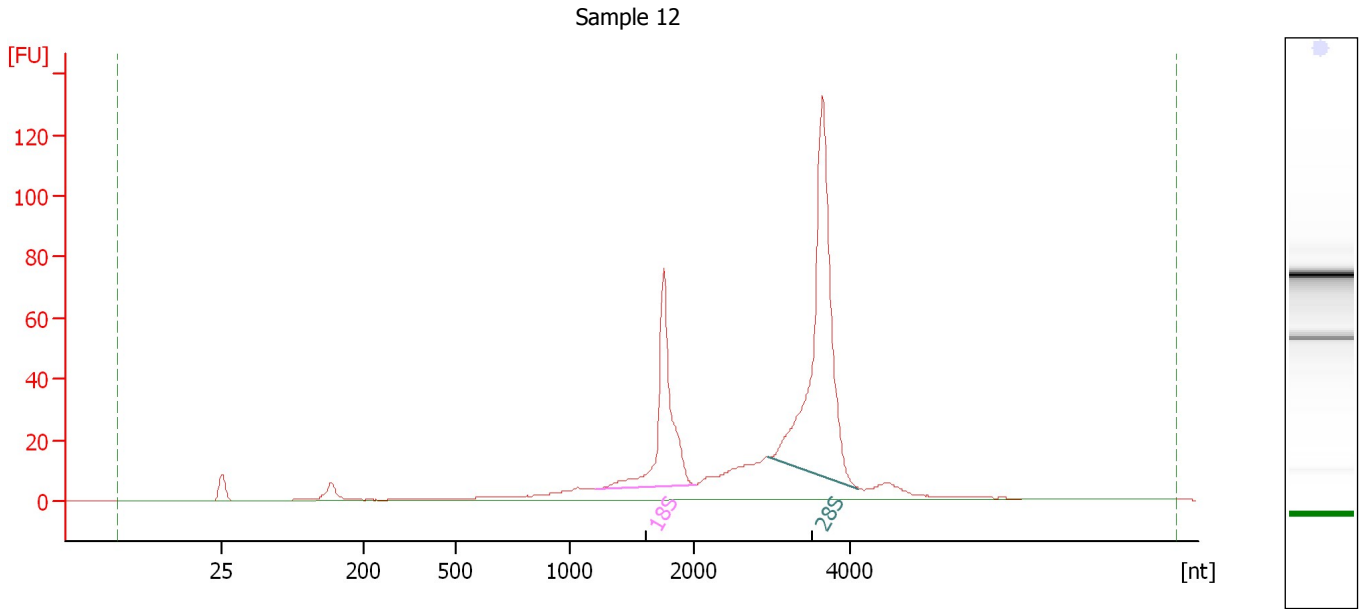
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,140	1,998	139.0	17.0
28S	2,944	4,095	293.8	36.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

RNA Area: 602.5 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 434 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 9.70

Fragment table for sample 12 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,213	2,021	104.7	17.4
28S	2,945	4,101	227.0	37.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_004.xad

Created: 12/7/2017 4:09:51 PM
Modified: 12/7/2017 4:33:39 PM

Gel Image

