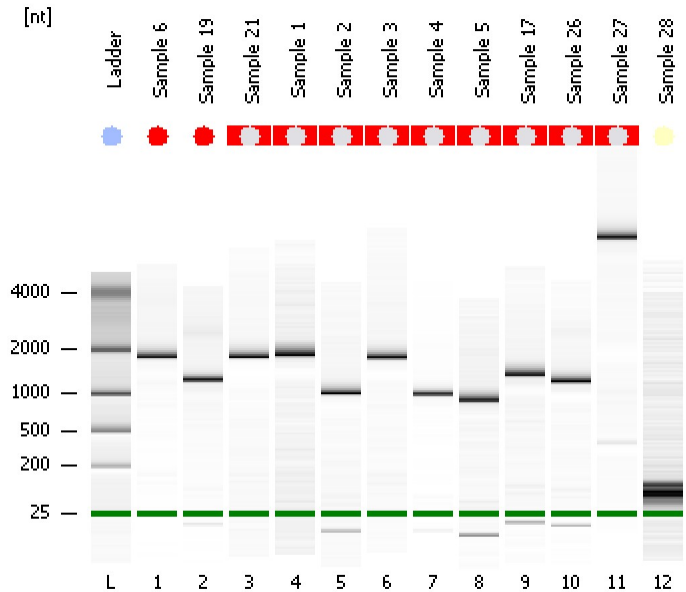


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Electrophoresis File Run Summary



Instrument Information:

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

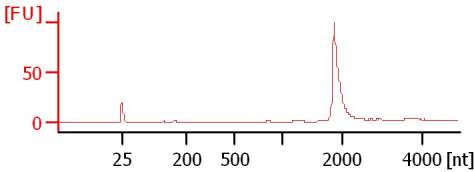
Assay Information:

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.

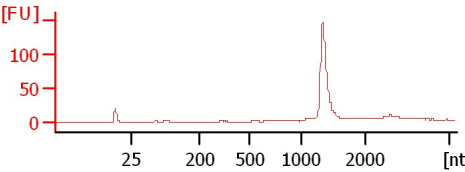
Chip Information:

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

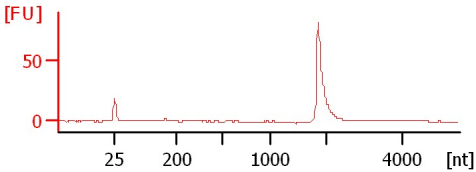
Sample 6
RIN: 7.40



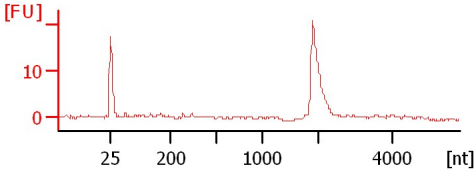
Sample 19
RIN: 9.70



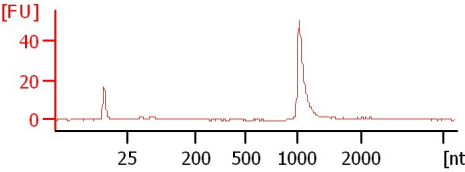
Sample 21
RIN N/A



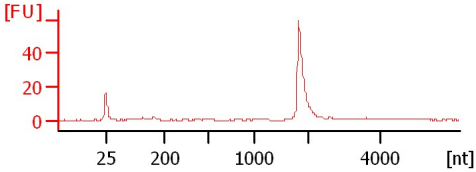
Sample 1
RIN N/A



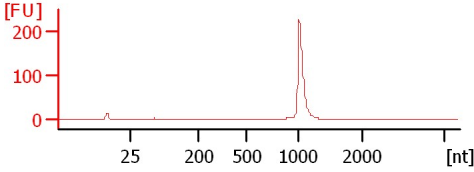
Sample 2
RIN N/A



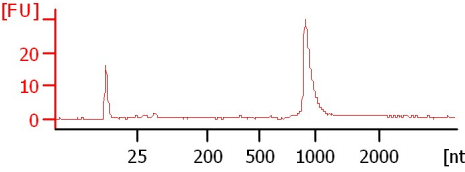
Sample 3
RIN N/A



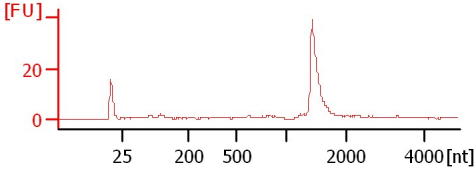
Sample 4
RIN N/A



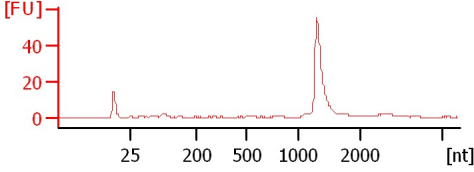
Sample 5
RIN N/A



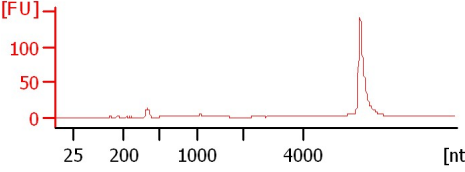
Sample 17
RIN N/A



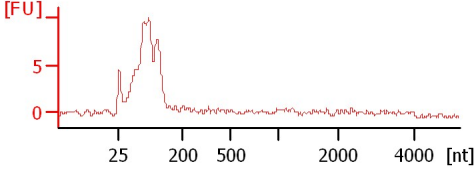
Sample 26
RIN N/A



Sample 27
RIN N/A













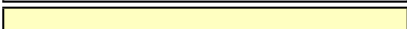


Sample 28
Sample's RIN value is greater than or...



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 6		✓	RIN: 7.40	
Sample 19		✓	RIN: 9.70	
Sample 21		✓	RIN N/A	
Sample 1		✓	RIN N/A	
Sample 2		✓	RIN N/A	
Sample 3		✓	RIN N/A	
Sample 4		✓	RIN N/A	
Sample 5		✓	RIN N/A	
Sample 17		✓	RIN N/A	
Sample 26		✓	RIN N/A	
Sample 27		✓	RIN N/A	
Sample 28		✓	Sample's RIN value is greater than or equal to the secondary threshold and lesser than the primary threshold	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 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

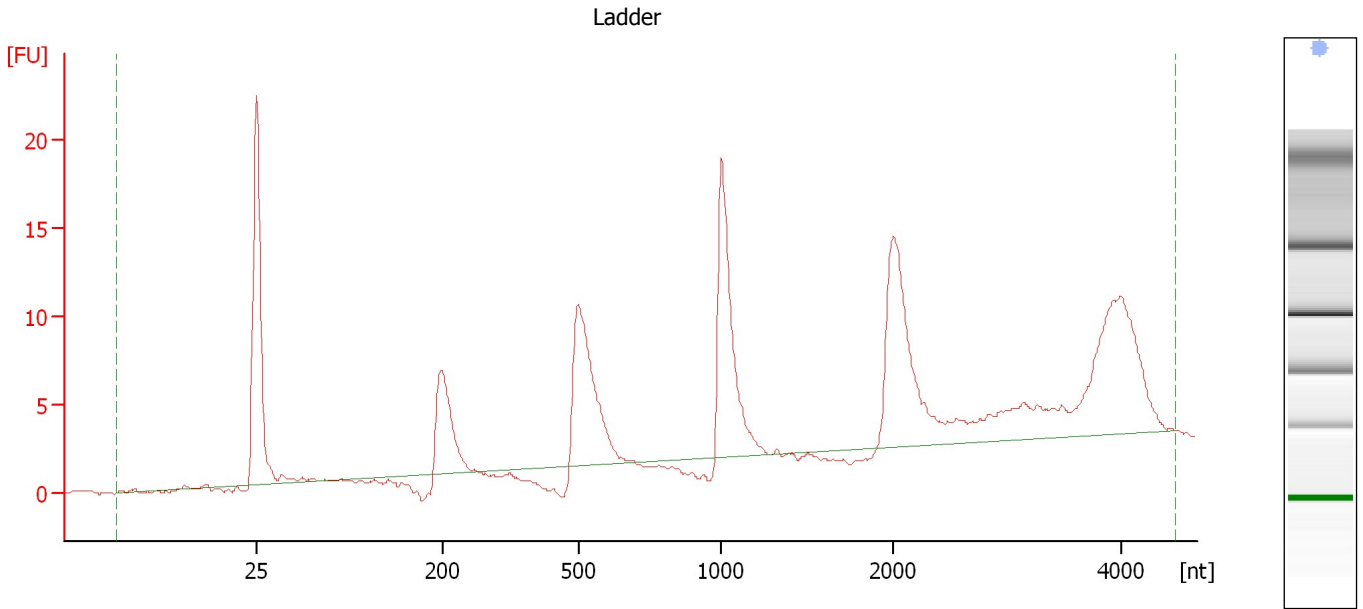
Ladder

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\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary



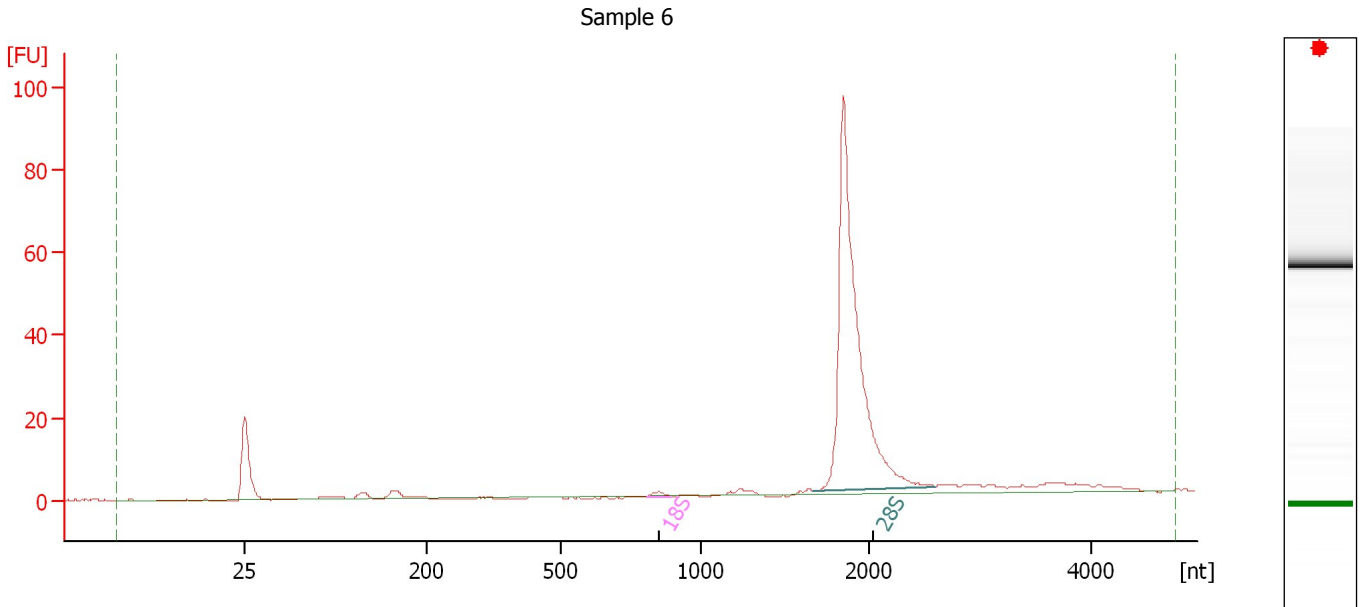
Overall Results for Ladder

RNA Area:	134.7	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\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 6

RNA Area:	213.8	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	238 ng/μl	Result Flagging Color:	████████
rRNA Ratio [28s / 18s]:	100.9	Result Flagging Label:	RIN: 7.40

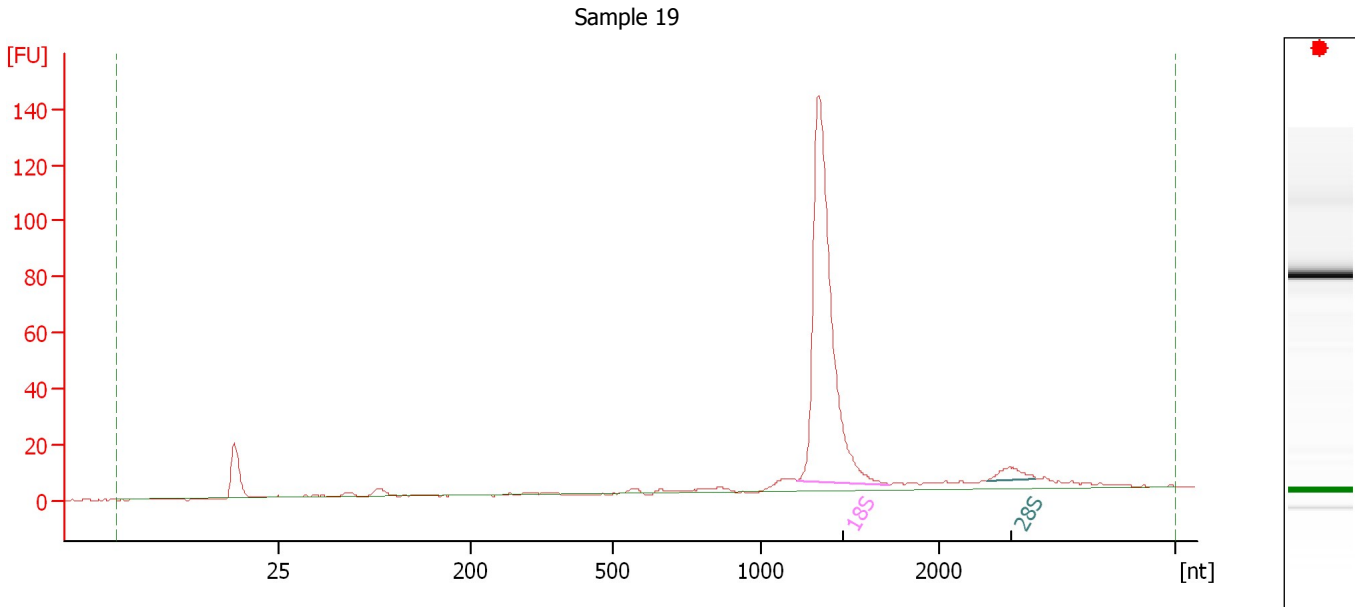
Fragment table for sample 1 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	806	893	1.7	0.8
28S	1,673	2,593	172.9	80.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 19

RNA Area: 390.1 RNA Integrity Number (RIN): 9.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 435 ng/μl
rRNA Ratio [28s / 18s]: 0.0
Result Flagging Color:
Result Flagging Label: RIN: 9.70

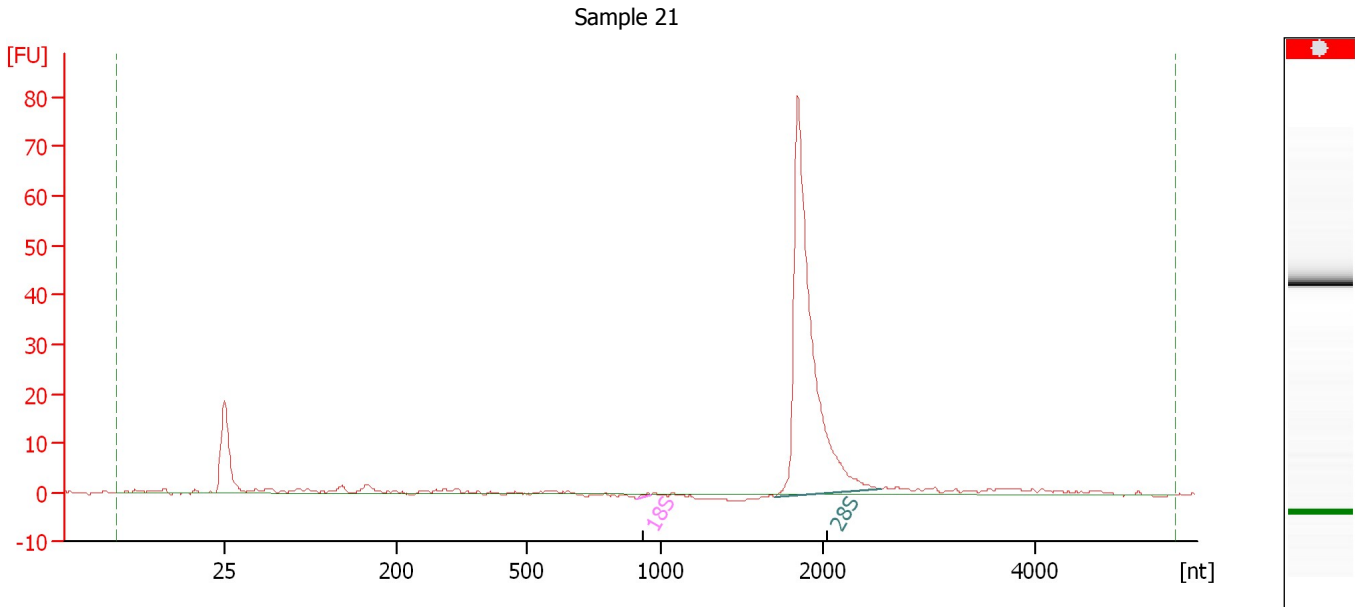
Fragment table for sample 2 : Sample 19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,199	1,713	251.6	64.5
28S	2,409	2,818	8.5	2.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 21

RNA Area:	201.3	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	224 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	407.1	Result Flagging Label:	RIN N/A

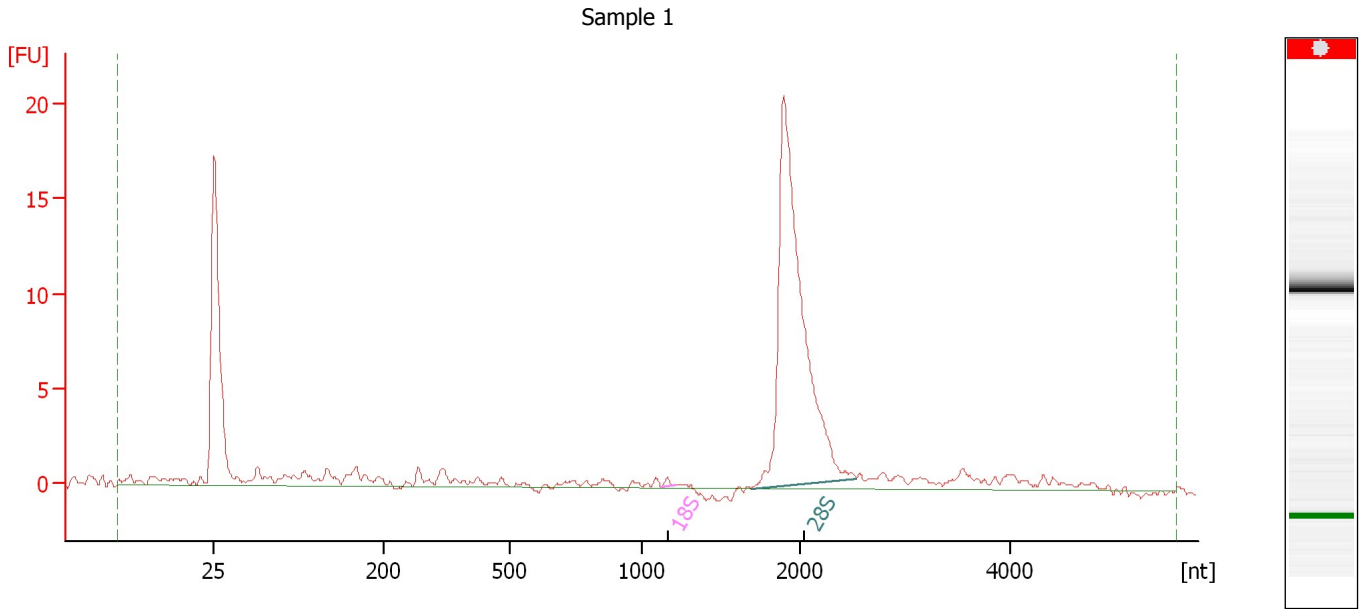
Fragment table for sample 3 : Sample 21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	908	959	0.4	0.2
28S	1,705	2,546	146.6	72.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 1

RNA Area:	86.5	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	96 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	175.2	Result Flagging Label:	RIN N/A

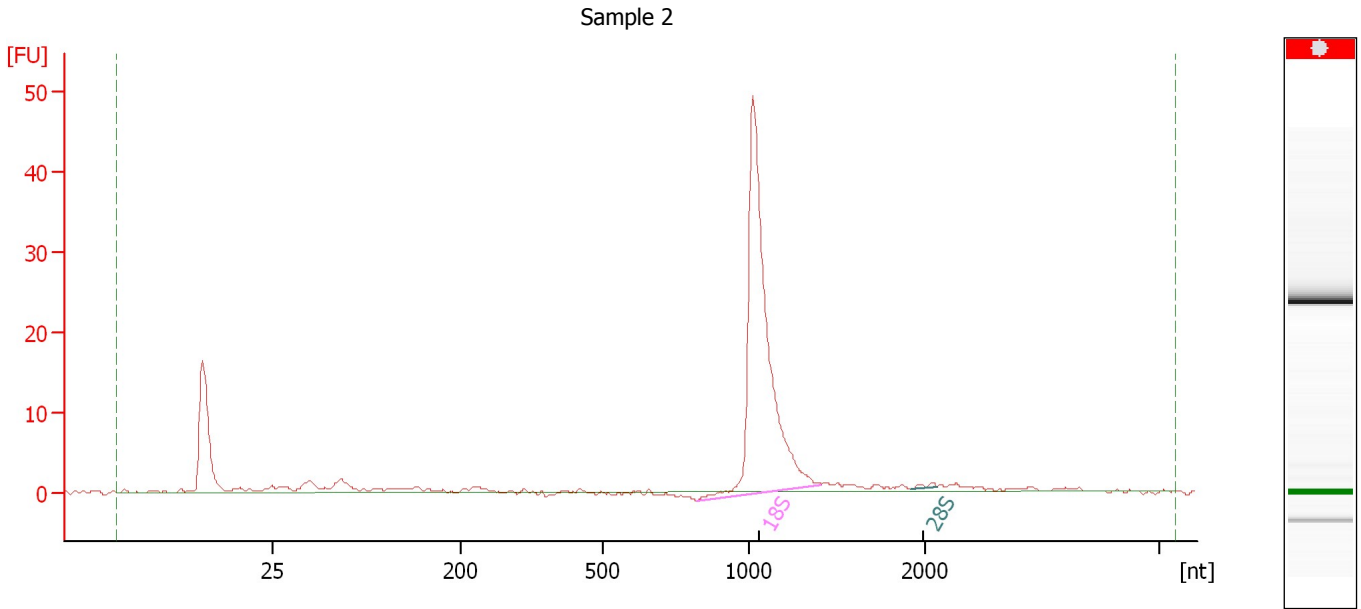
Fragment table for sample 4 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,122	1,210	0.3	0.3
28S	1,689	2,531	50.7	58.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 2

RNA Area: 160.1 RNA Integrity Number (RIN): N/A (B.02.08,
RNA Concentration: 178 ng/μl Anomaly Threshold(s)
rRNA Ratio [28s / 18s]: 0.0 manually adapted)

Result Flagging Color:
Result Flagging Label: RIN N/A

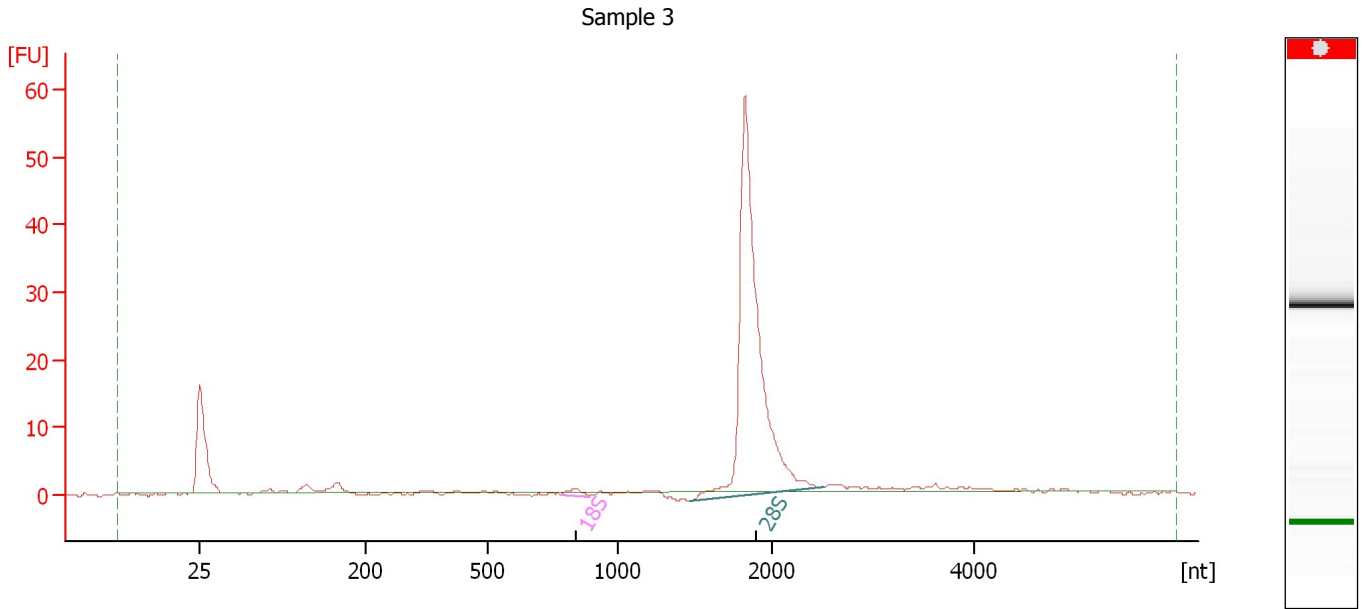
Fragment table for sample 5 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	823	1,407	98.8	61.7
28S	1,921	2,100	0.6	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 3

RNA Area:	129.2	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	144 ng/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	75.0	Result Flagging Label:	RIN N/A

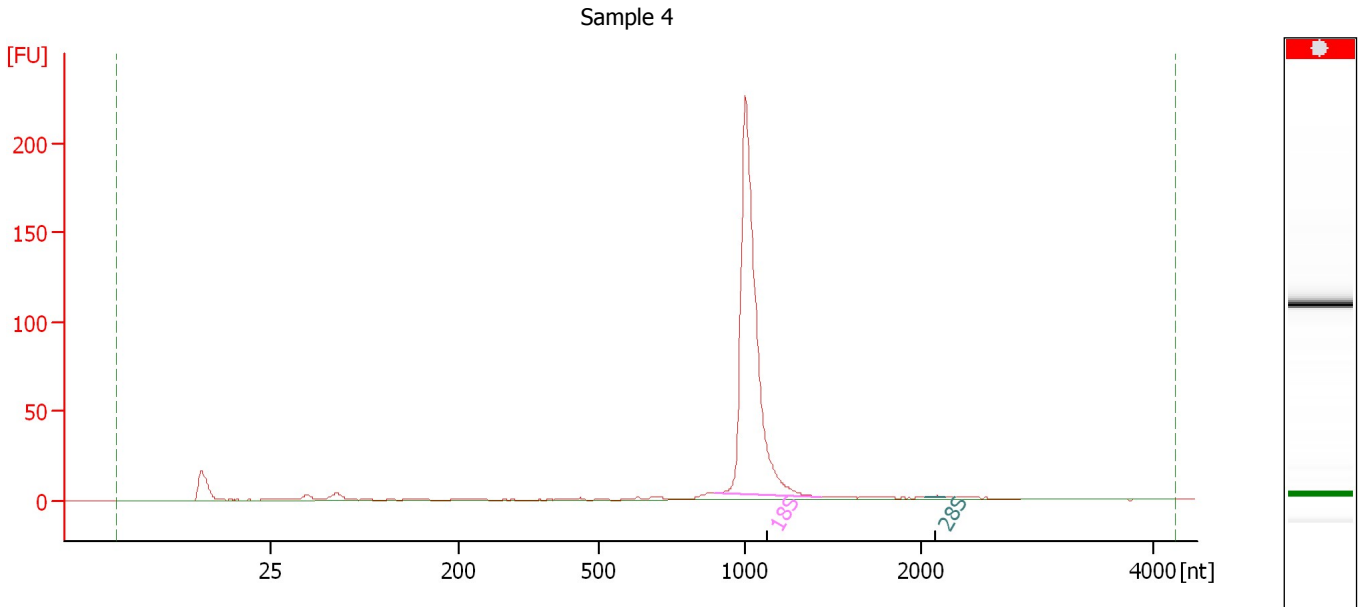
Fragment table for sample 6 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	783	892	1.6	1.2
28S	1,471	2,513	119.3	92.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 4

RNA Area:	505.9	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	563 ng/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

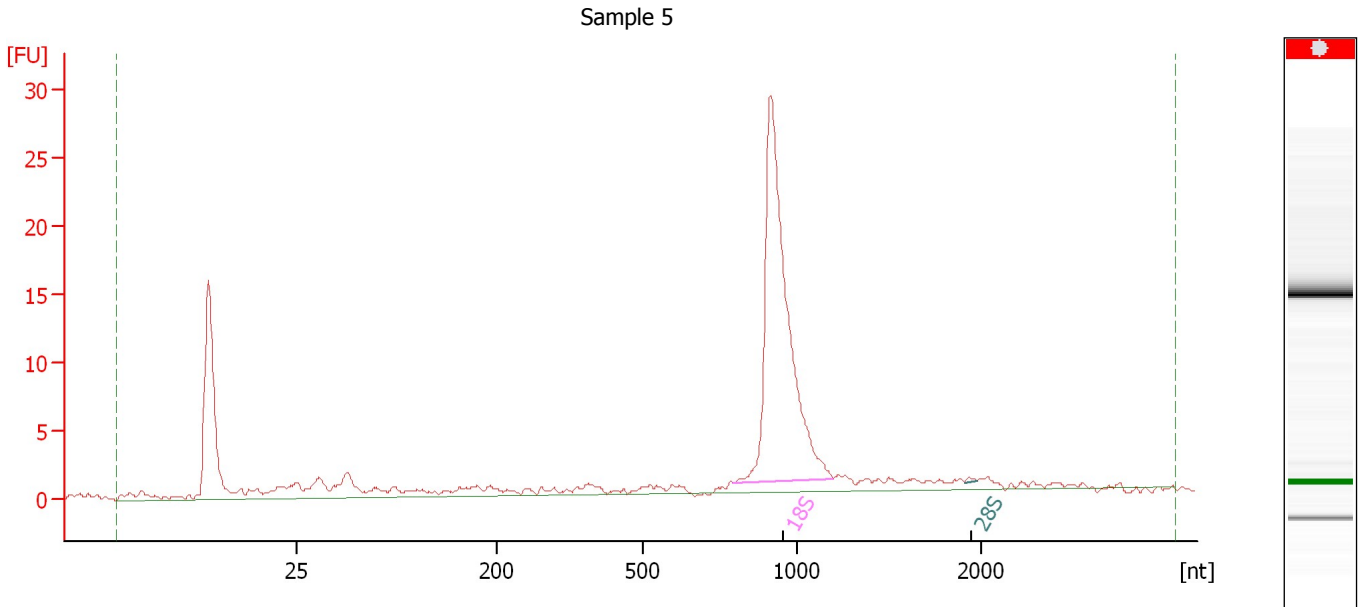
Fragment table for sample 7 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	897	1,430	360.7	71.3
28S	2,030	2,205	0.4	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 5

RNA Area:	158.3	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	176 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

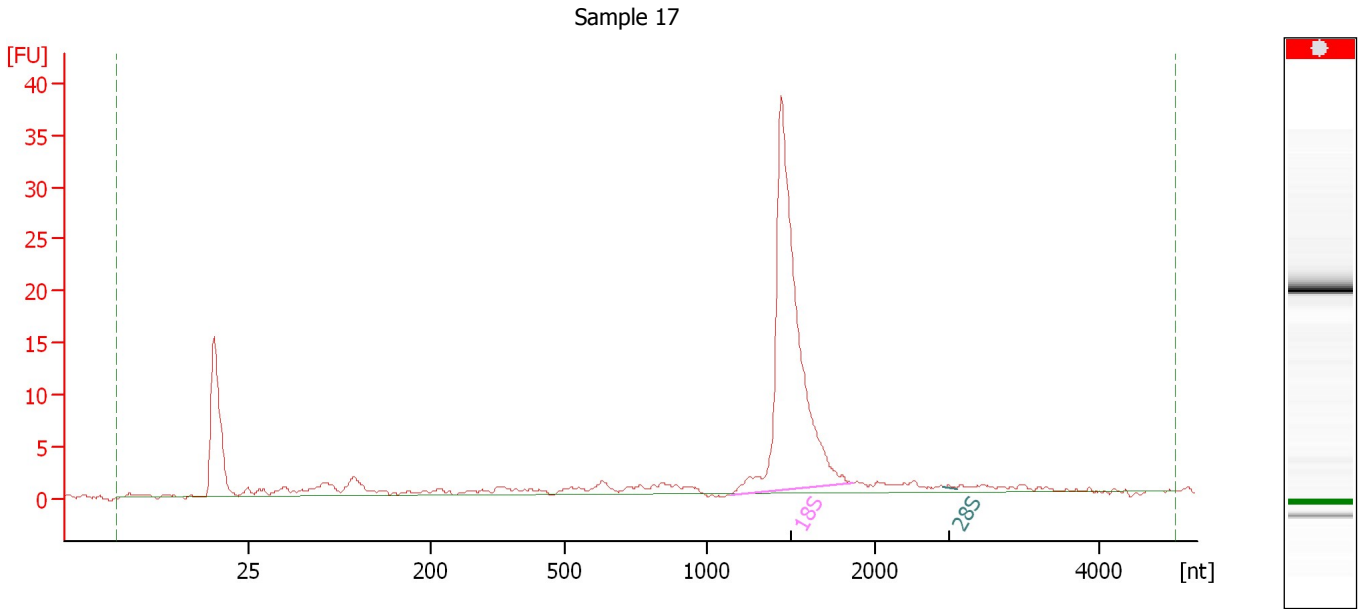
Fragment table for sample 8 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	795	1,204	65.2	41.2
28S	1,910	1,979	0.2	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 17

RNA Area:	168.3	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	187 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

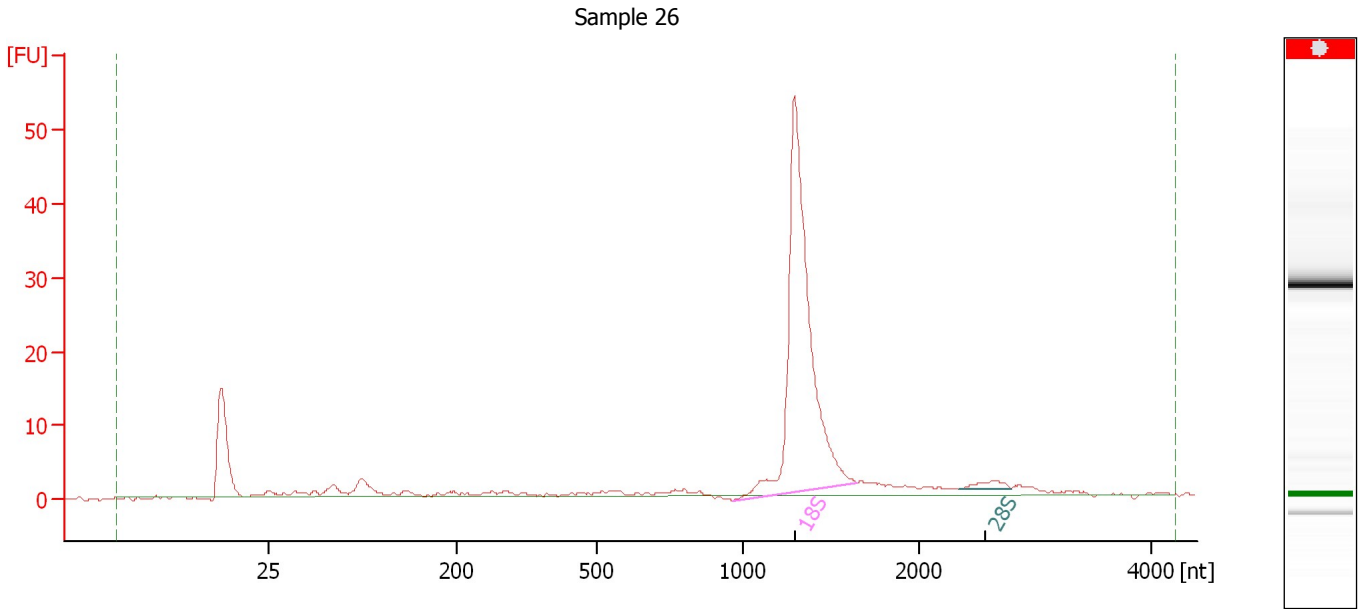
Fragment table for sample 9 : Sample 17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,143	1,868	86.2	51.2
28S	2,614	2,729	0.1	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 26

RNA Area:	207.8	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	231 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 10 : Sample 26

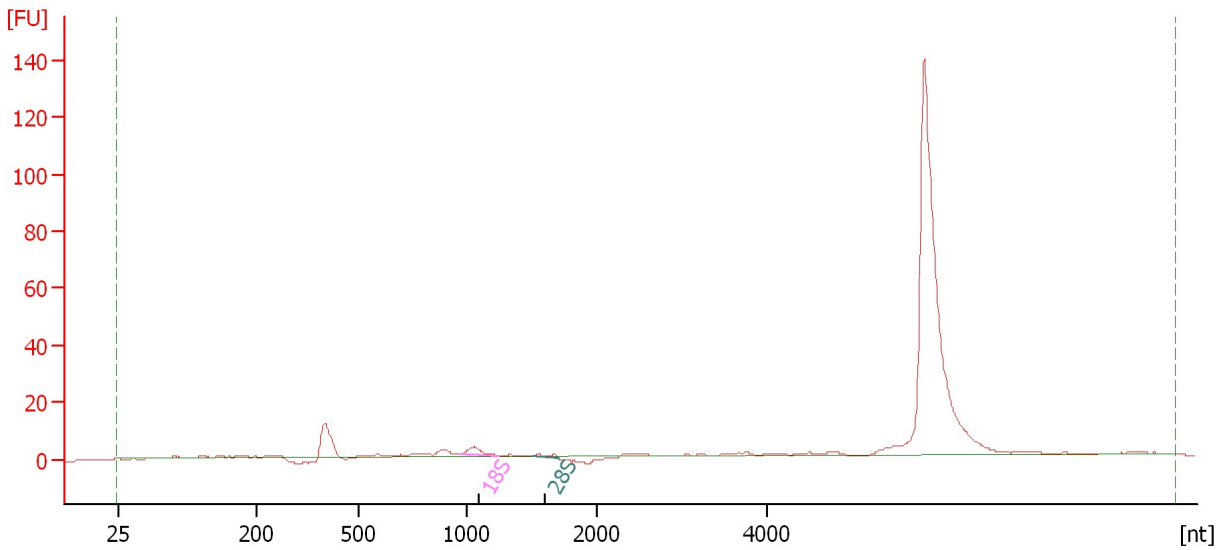
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	966	1,643	115.0	55.3
28S	2,345	2,789	2.8	1.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...

Sample 27



Overall Results for sample 11 : Sample 27

RNA Area:	295.1	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	329 ng/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : Sample 27

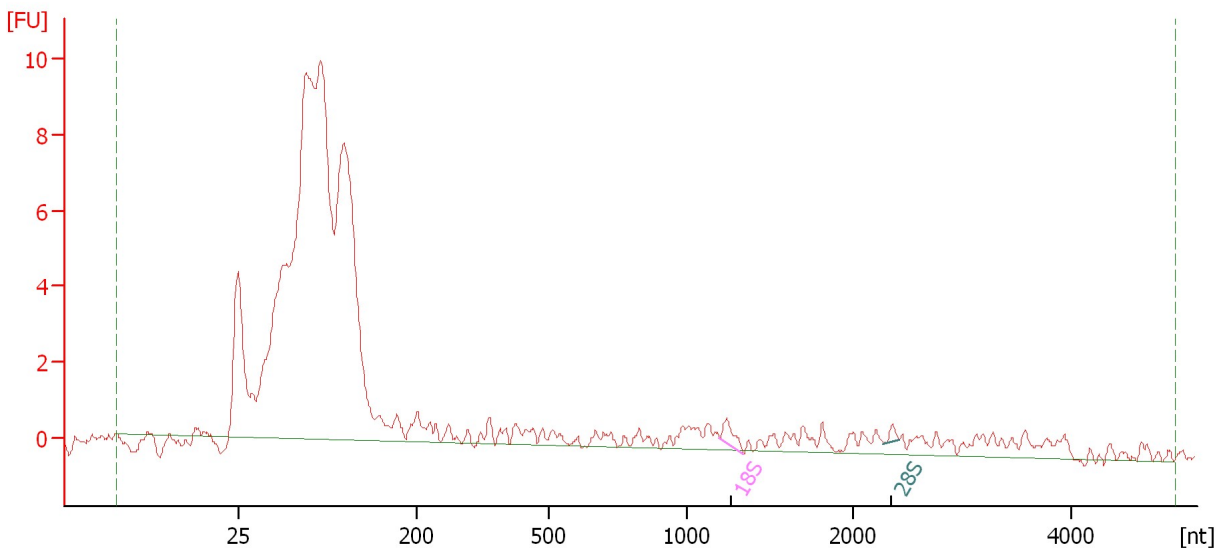
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	967	1,244	5.7	1.9
28S	1,517	1,707	1.6	0.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
 Modified: 4/20/2018 11:45:00 AM

Electropherogram Summary Continued ...

Sample 28



Overall Results for sample 12 : Sample 28

RNA Area:	129.6	Result Flagging Color:	
RNA Concentration:	144 ng/μl	Result Flagging Label:	Sample's RIN value is greater than or equal to the secondary threshold and lesser than the primary threshold
rRNA Ratio [28s / 18s]:	0.4		
RNA Integrity Number (RIN):	2.6 (B.02.08, Anomaly Threshold(s) manually adapted)		

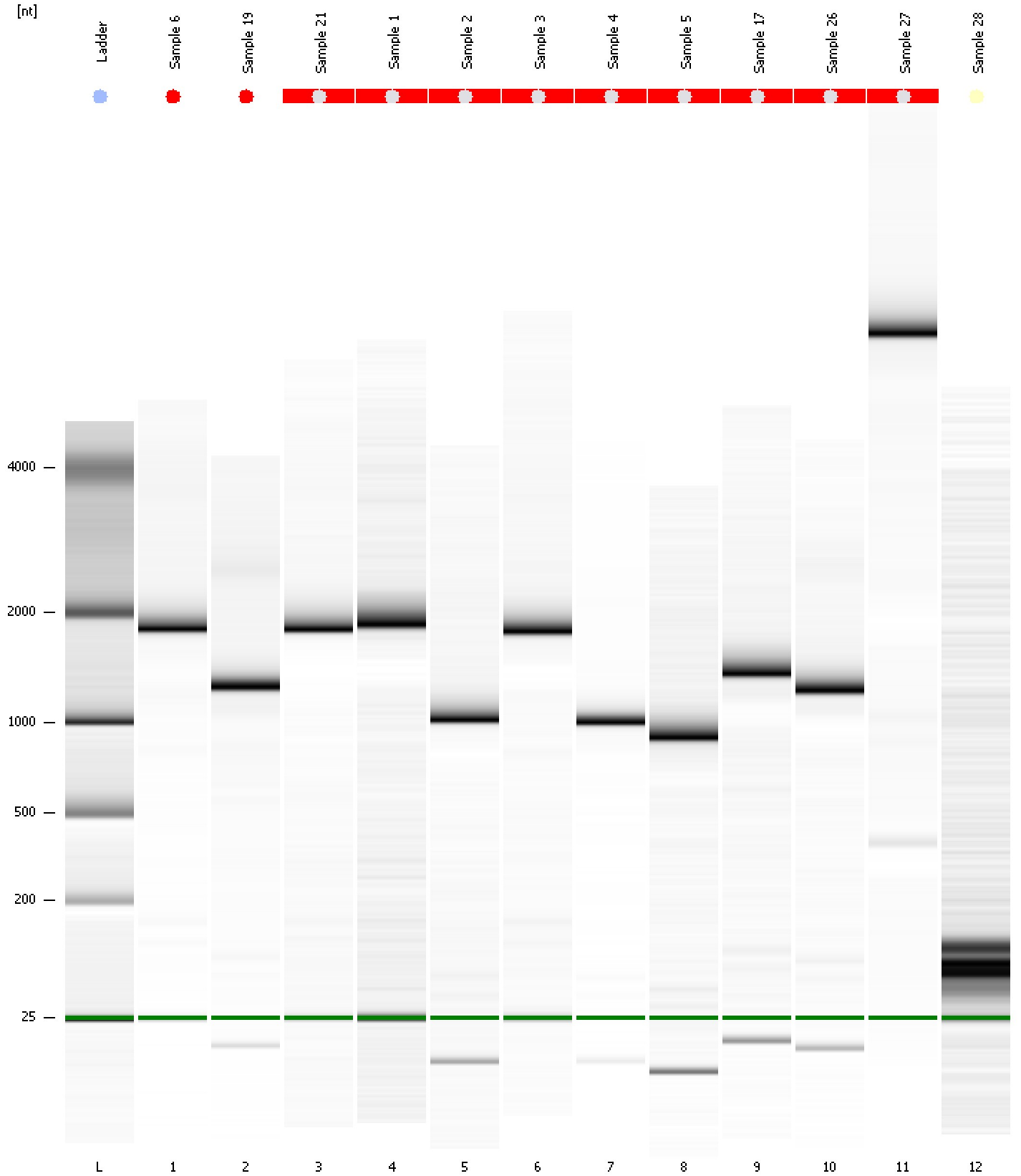
Fragment table for sample 12 : Sample 28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,199	1,341	0.8	0.6
28S	2,279	2,425	0.3	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-20\2018-04-20_001.xad

Created: 4/20/2018 11:00:14 AM
Modified: 4/20/2018 11:45:00 AM

Curves

Standard Curve

