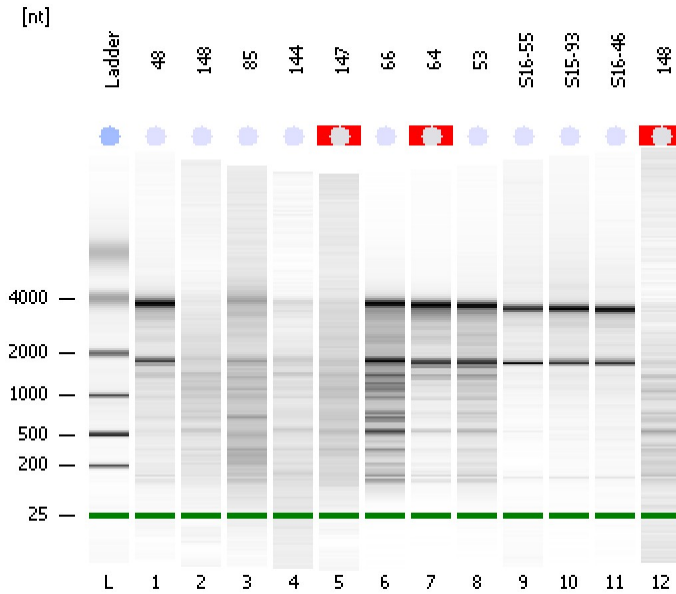


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electrophoresis File Run Summary



Instrument Information:

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

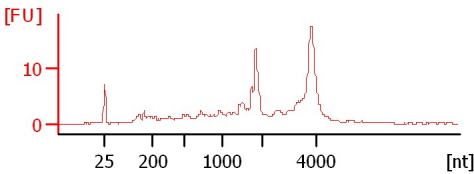
Assay Information:

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.

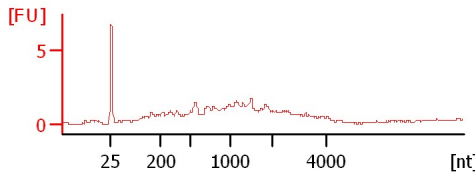
Chip Information:

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

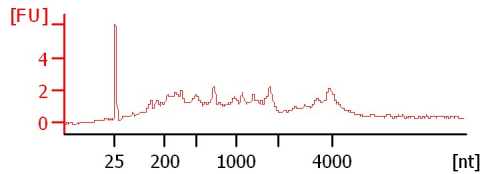
48
RIN: 7.70



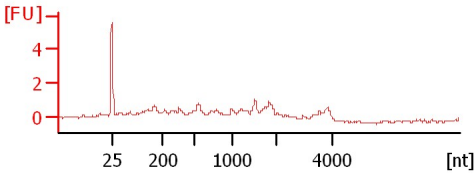
148
RIN: 2.20



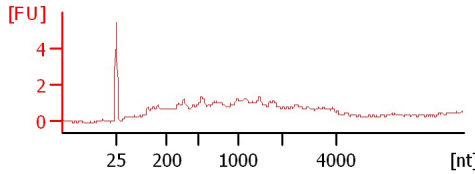
85
RIN: 4.50



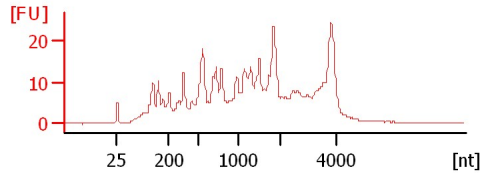
144
RIN: 3.10



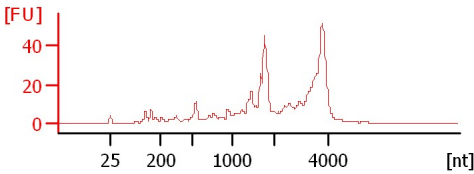
147
RIN N/A



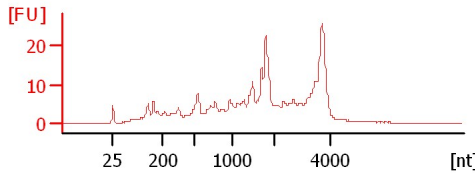
66
RIN: 5.70



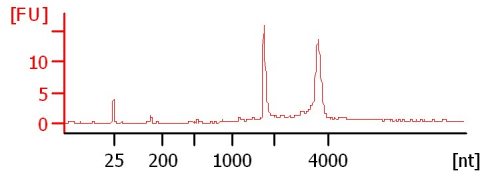
64
RIN N/A



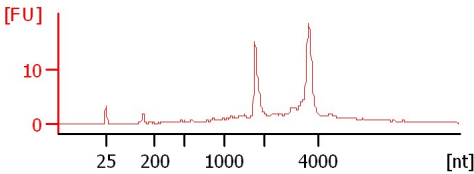
53
RIN: 7



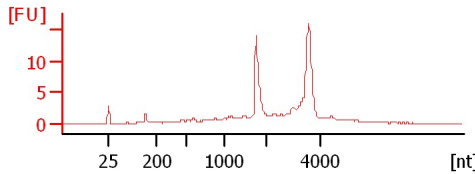
S16-55
RIN: 9.60



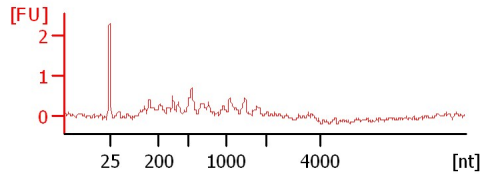
S15-93
RIN: 8.30



S16-46
RIN: 8



148
RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
 Modified: 8/23/2017 3:33:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
48		✓	RIN: 7.70	
148		✓	RIN: 2.20	
85		✓	RIN: 4.50	
144		✓	RIN: 3.10	
147		✓	RIN N/A	
66		✓	RIN: 5.70	
64		✓	RIN N/A	
53		✓	RIN:7	
S16-55		✓	RIN: 9.60	
S15-93		✓	RIN: 8.30	
S16-46		✓	RIN:8	
148		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 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

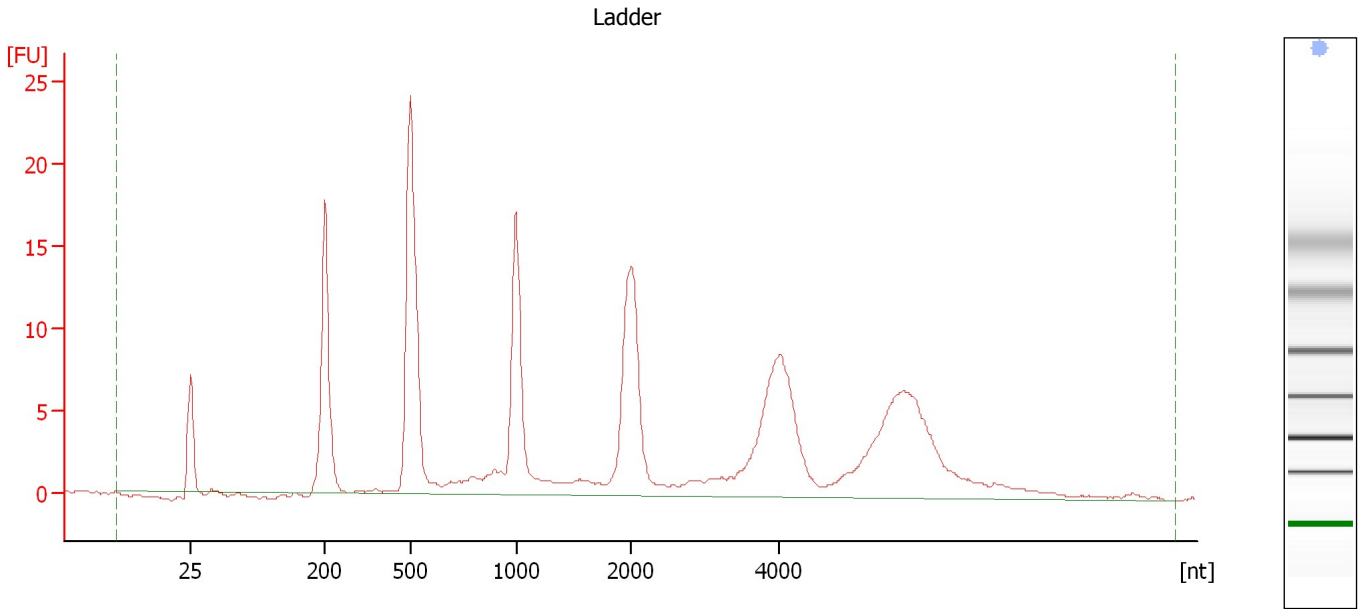
Ladder

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\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary



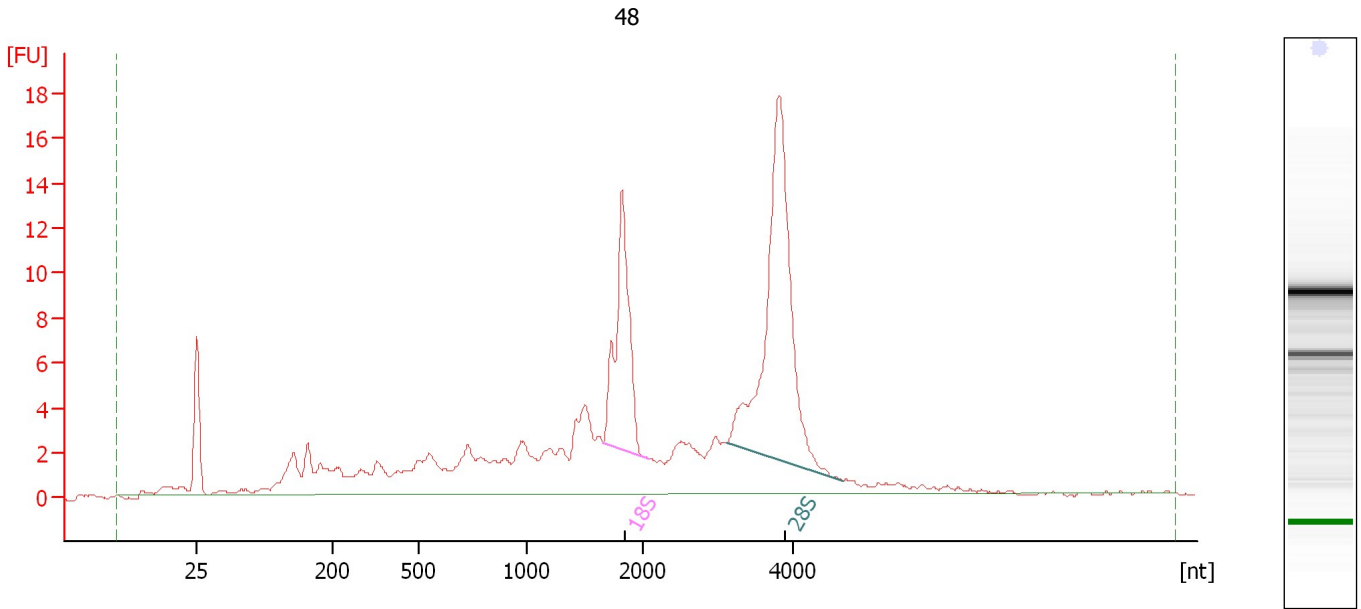
Overall Results for Ladder

RNA Area:	217.1	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\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 48

RNA Area: 176.5 RNA Integrity Number (RIN): 7.7 (B.02.08)
RNA Concentration: 122 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 7.70

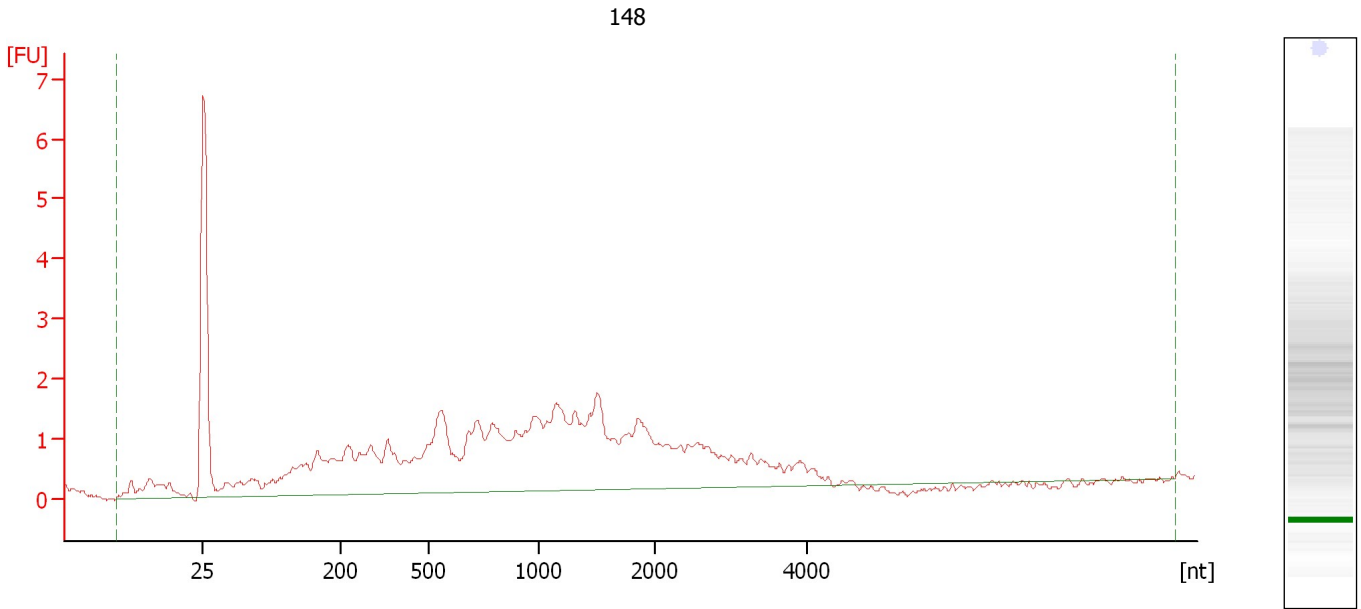
Fragment table for sample 1 : 48

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,655	2,079	19.3	10.9
28S	3,116	4,650	41.7	23.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



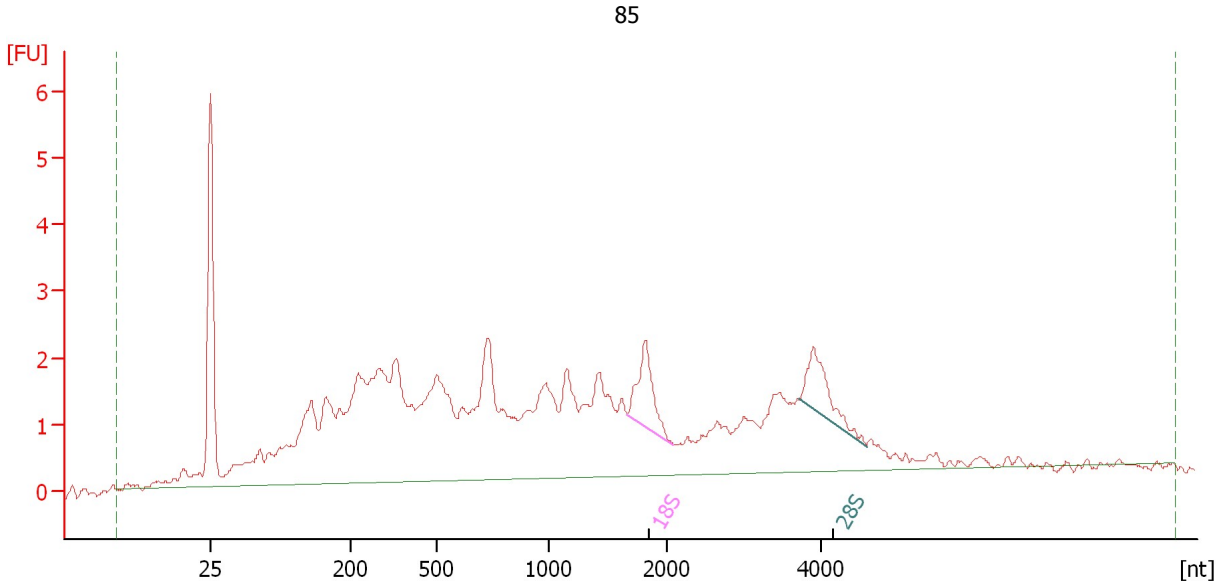
Overall Results for sample 2 : 148

RNA Area:	54.6	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	38 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 85

RNA Area: 84.5 RNA Integrity Number (RIN): 4.5 (B.02.08)
RNA Concentration: 58 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 4.50

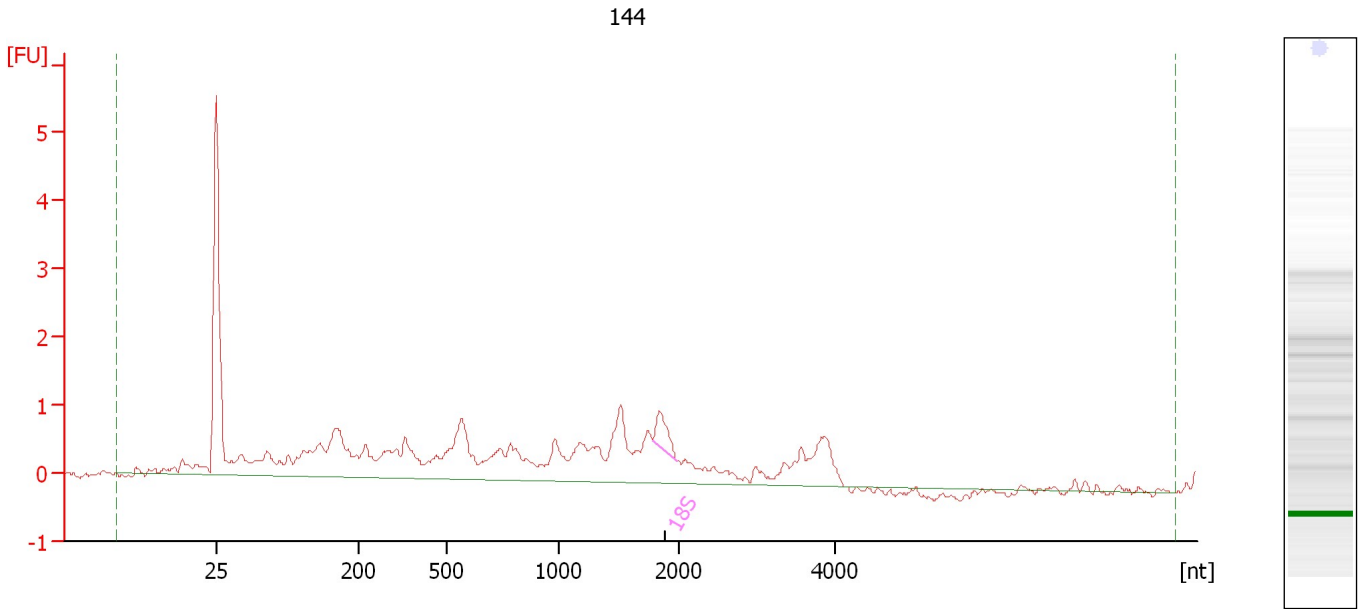
Fragment table for sample 3 : 85

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	2,080	2.3	2.7
28S	3,700	4,573	2.1	2.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 144

RNA Area:	30.1	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	21 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

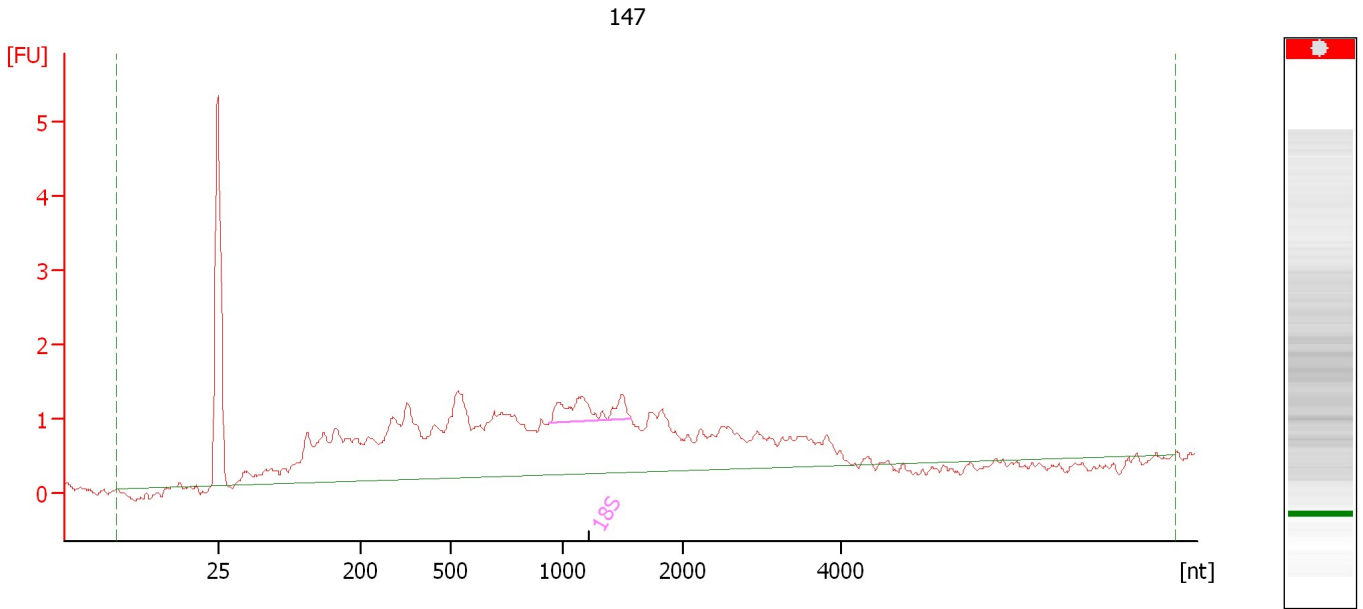
Fragment table for sample 4 : 144

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	1,977	0.7	2.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 147

RNA Area:	44.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	31 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

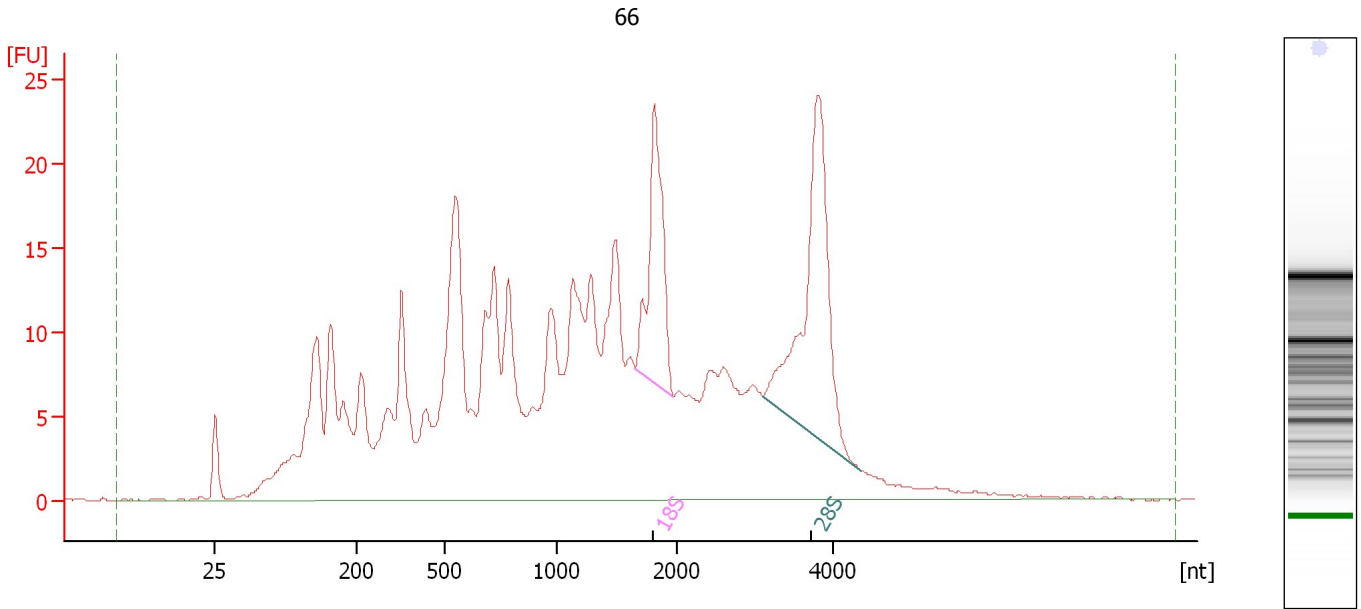
Fragment table for sample 5 : 147

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	941	1,563	1.6	3.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 66

RNA Area: 567.1 RNA Integrity Number (RIN): 5.7 (B.02.08)
RNA Concentration: 392 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 5.70

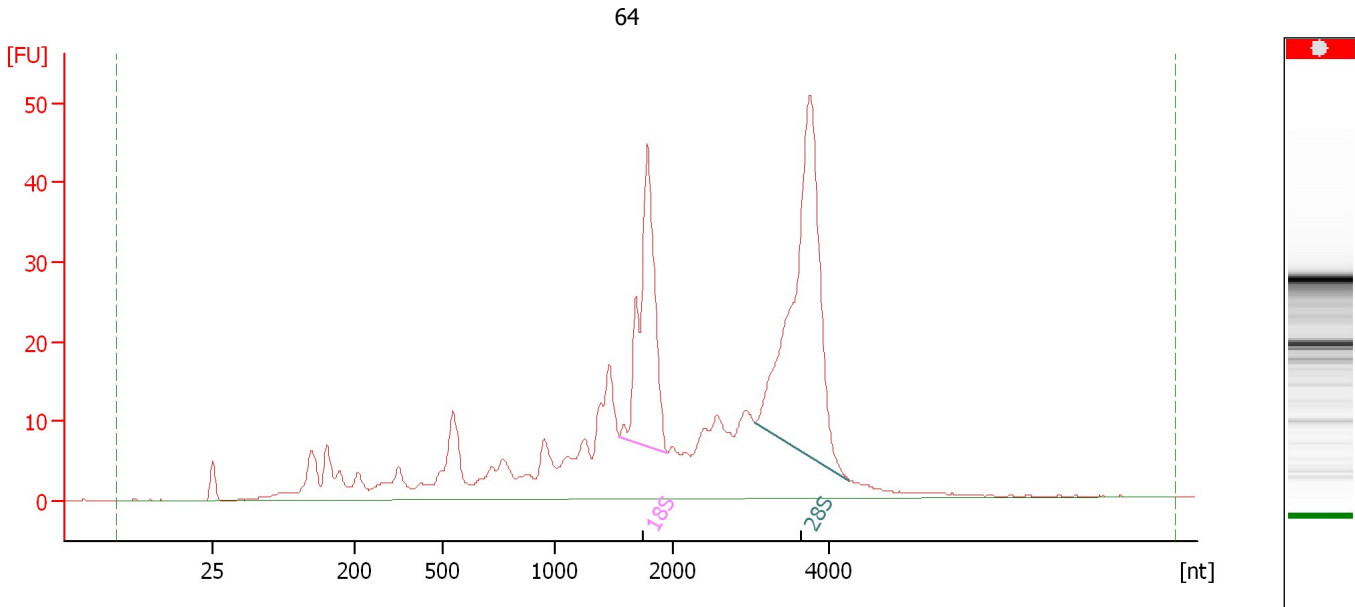
Fragment table for sample 6 : 66

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	1,967	27.8	4.9
28S	3,087	4,347	49.5	8.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
 Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 64

RNA Area:	542.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	375 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN N/A

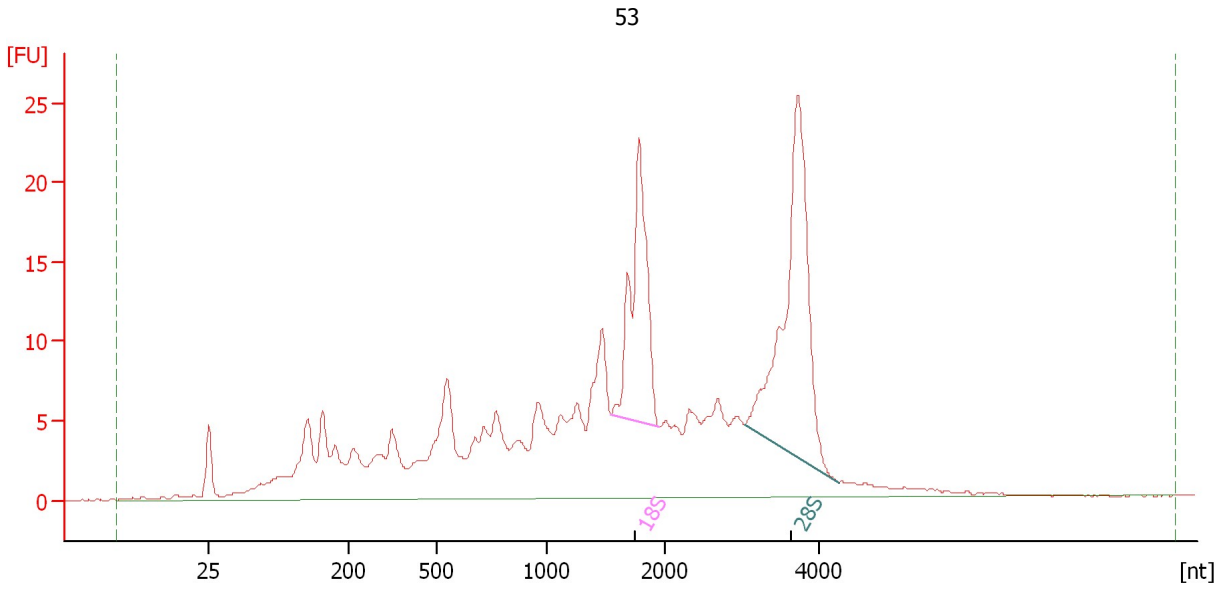
Fragment table for sample 7 : 64

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,947	68.7	12.7
28S	3,047	4,272	124.5	22.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 53

RNA Area:	363.7	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	251 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN:7

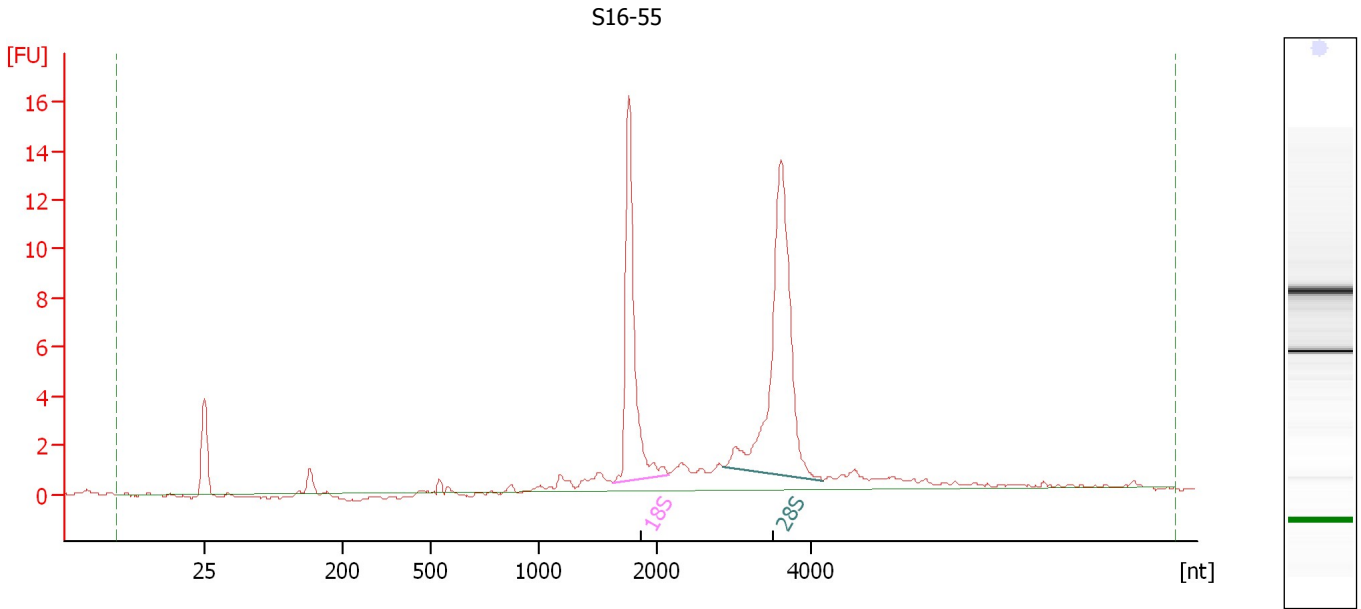
Fragment table for sample 8 : 53

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,547	1,943	33.6	9.2
28S	3,023	4,244	56.0	15.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : S16-55

RNA Area: 68.9 RNA Integrity Number (RIN): 9.6 (B.02.08)
RNA Concentration: 48 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.60

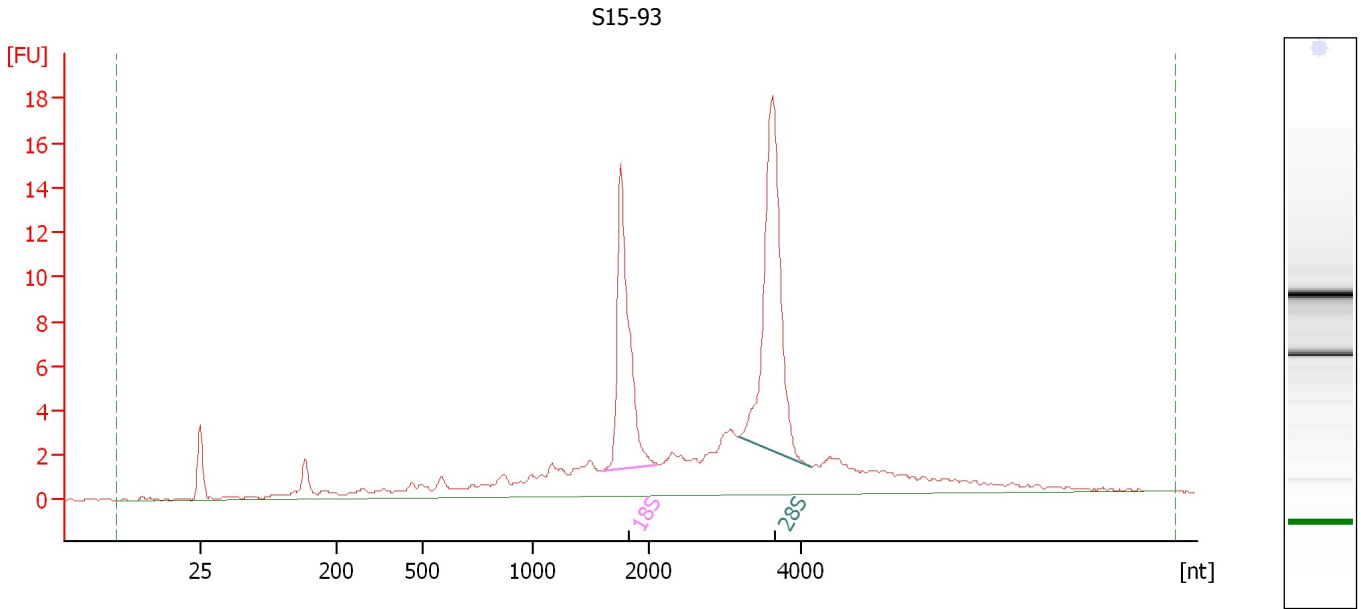
Fragment table for sample 9 : S16-55

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	2,144	16.0	23.2
28S	2,872	4,173	26.1	37.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
 Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : S15-93

RNA Area:	126.5	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	87 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.30

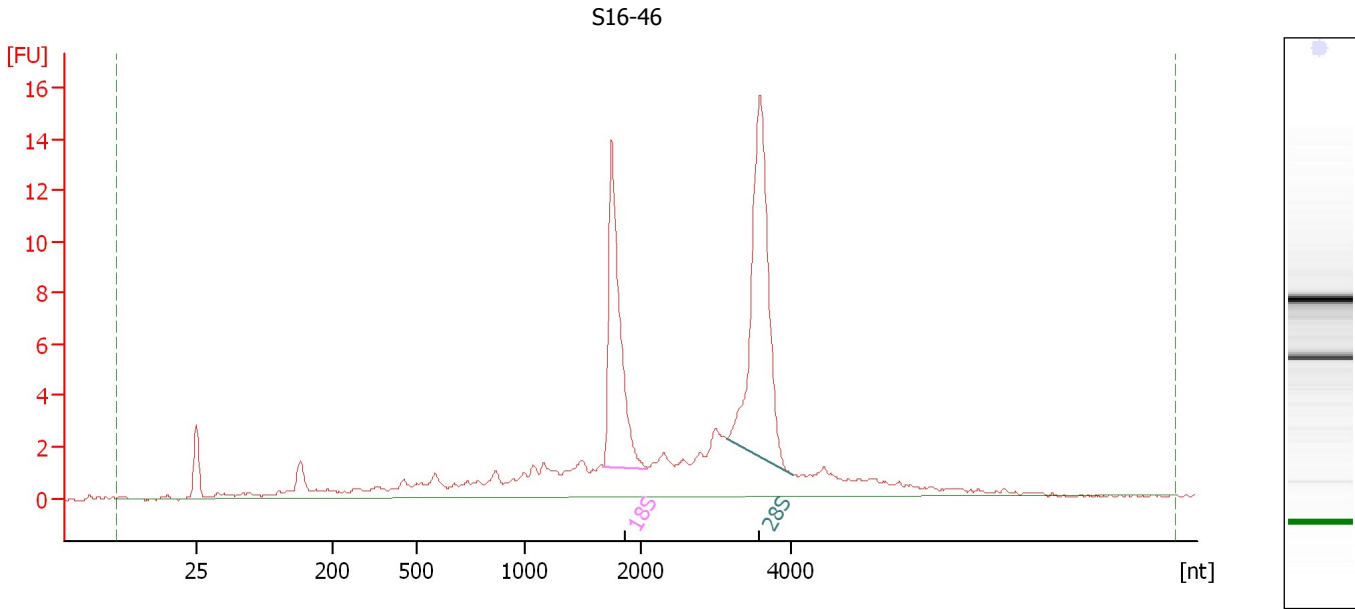
Fragment table for sample 10 : S15-93

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	2,111	19.4	15.4
28S	3,184	4,129	28.0	22.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : S16-46

RNA Area: 109.0 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 75 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN:8

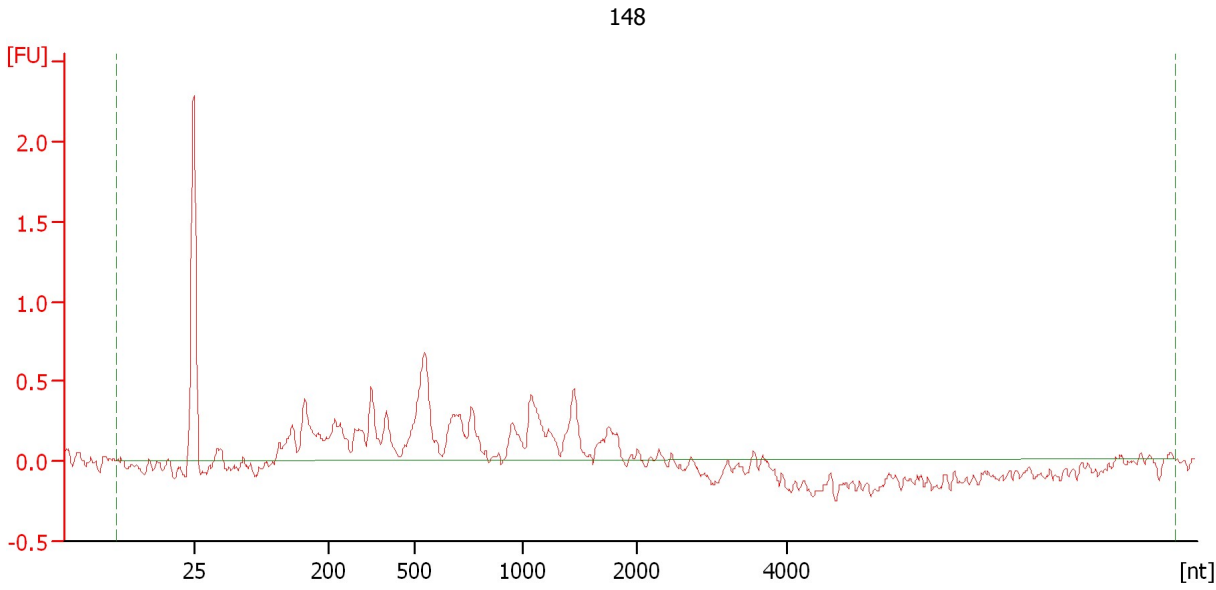
Fragment table for sample 11 : S16-46

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,671	2,078	17.2	15.8
28S	3,145	4,014	25.8	23.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 148

RNA Area:	8.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-23\2017-08-23_002.xad

Created: 8/23/2017 3:09:36 PM
Modified: 8/23/2017 3:33:28 PM

Gel Image

