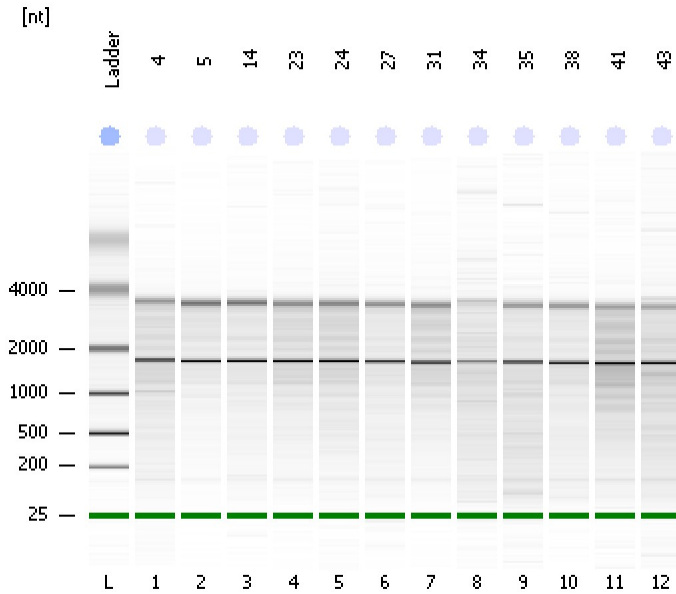


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electrophoresis File Run Summary



Instrument Information:

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

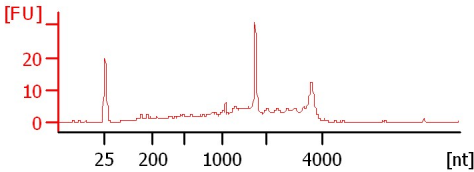
Assay Information:

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.

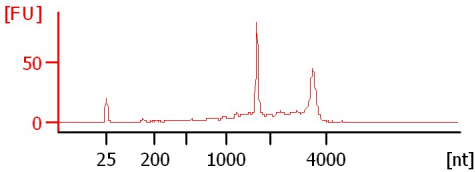
Chip Information:

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

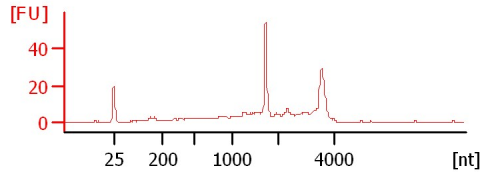
4
RIN: 6.50



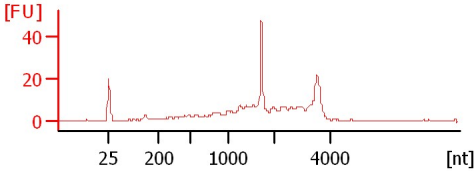
5
RIN: 7.20



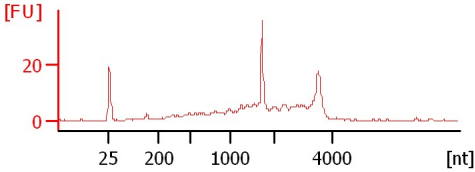
14
RIN: 7



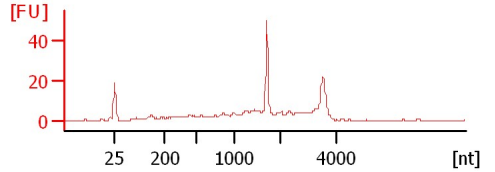
23
RIN: 6.60



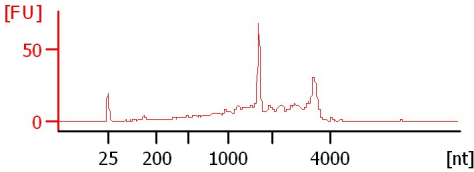
24
RIN: 6.60



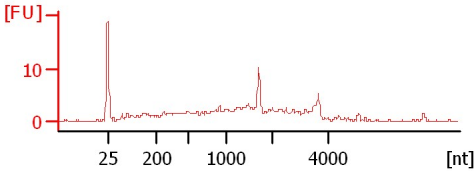
27
RIN: 6.70



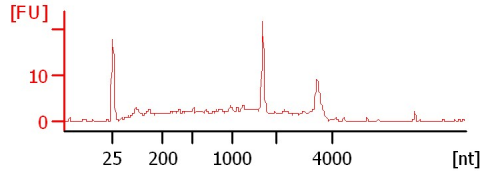
31
RIN: 6.40



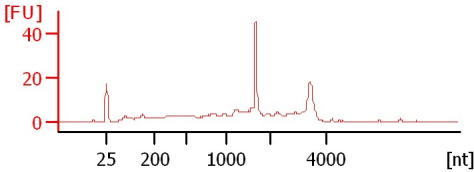
34
RIN: 5.80



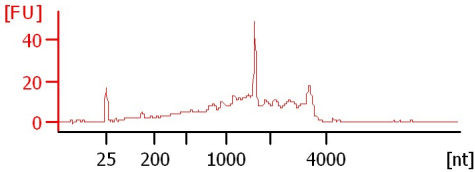
35
RIN: 6.50



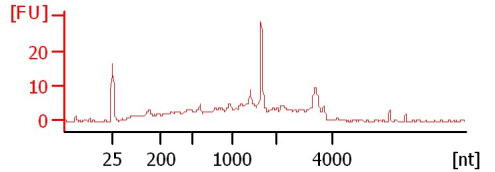
38
RIN: 6.70



41
RIN: 5.40



43
RIN: 5.70



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
 Modified: 10/12/2018 12:10:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4		✓	RIN: 6.50	
5		✓	RIN: 7.20	
14		✓	RIN:7	
23		✓	RIN: 6.60	
24		✓	RIN: 6.60	
27		✓	RIN: 6.70	
31		✓	RIN: 6.40	
34		✓	RIN: 5.80	
35		✓	RIN: 6.50	
38		✓	RIN: 6.70	
41		✓	RIN: 5.40	
43		✓	RIN: 5.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 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

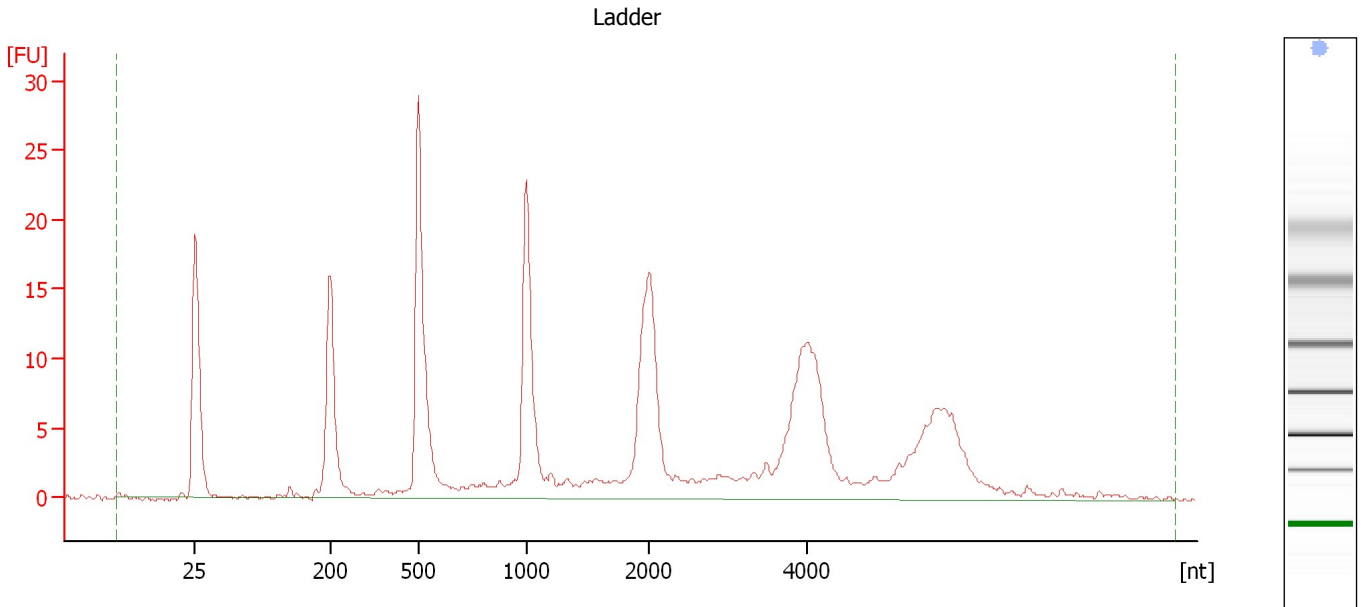
Ladder

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\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary



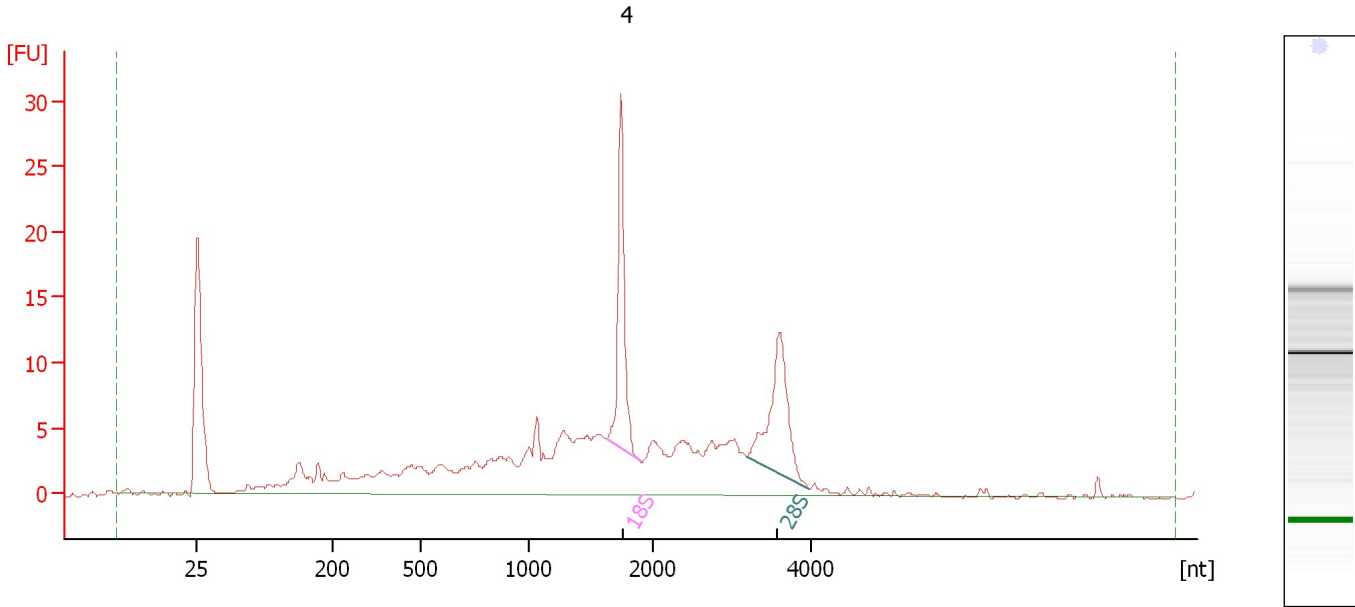
Overall Results for Ladder

RNA Area:	246.1	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\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 4

RNA Area:	206.9	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	126 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.50

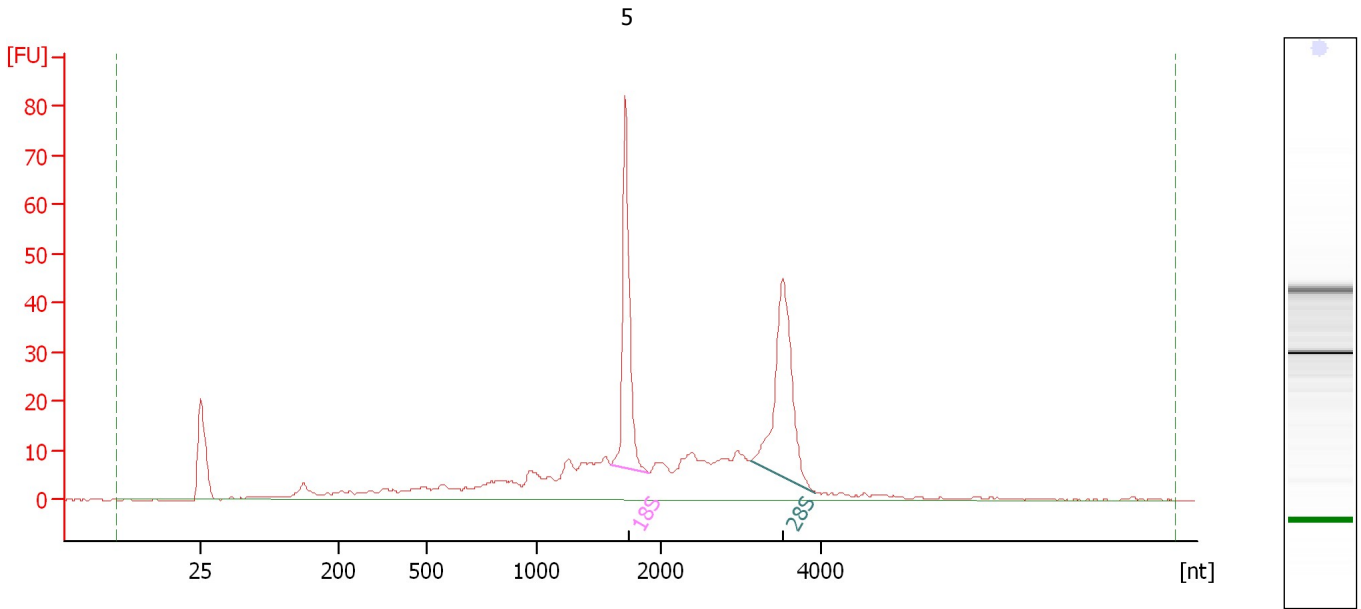
Fragment table for sample 1 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,620	1,897	22.1	10.7
28S	3,194	3,980	20.4	9.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 5

RNA Area:	421.4	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	257 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.20

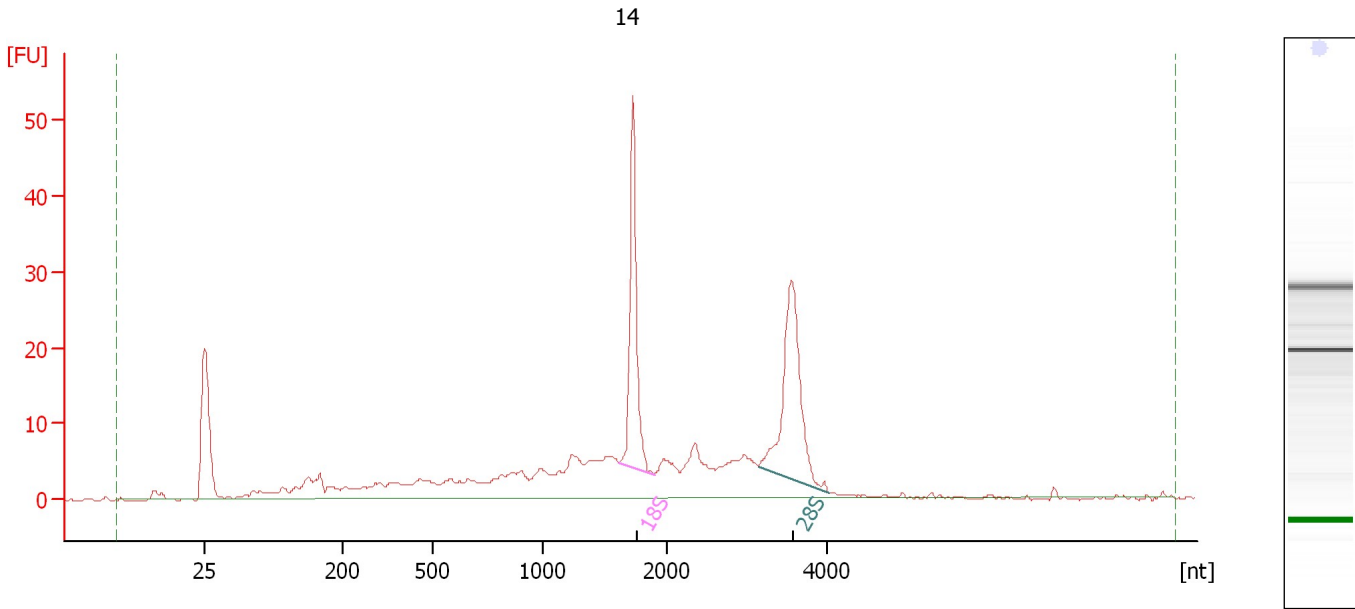
Fragment table for sample 2 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,901	61.7	14.6
28S	3,121	3,940	72.8	17.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 14

RNA Area:	301.6	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	184 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:7

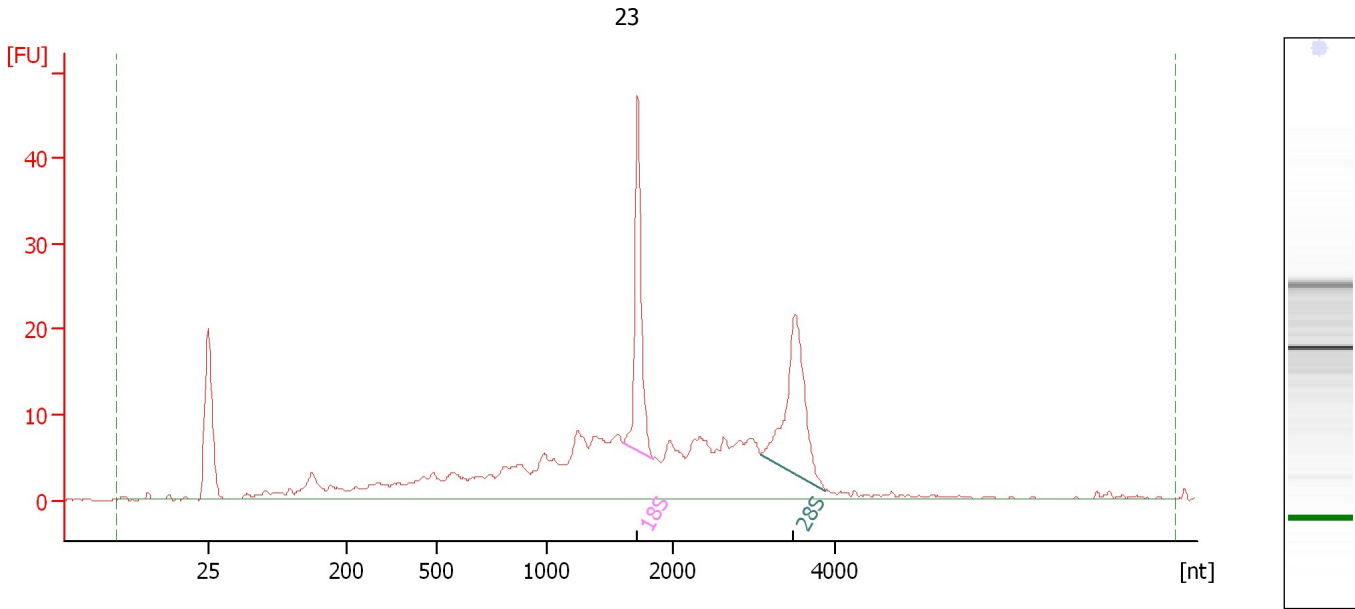
Fragment table for sample 3 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,613	1,895	39.2	13.0
28S	3,130	4,011	47.2	15.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 23

RNA Area:	318.6	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	194 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.60

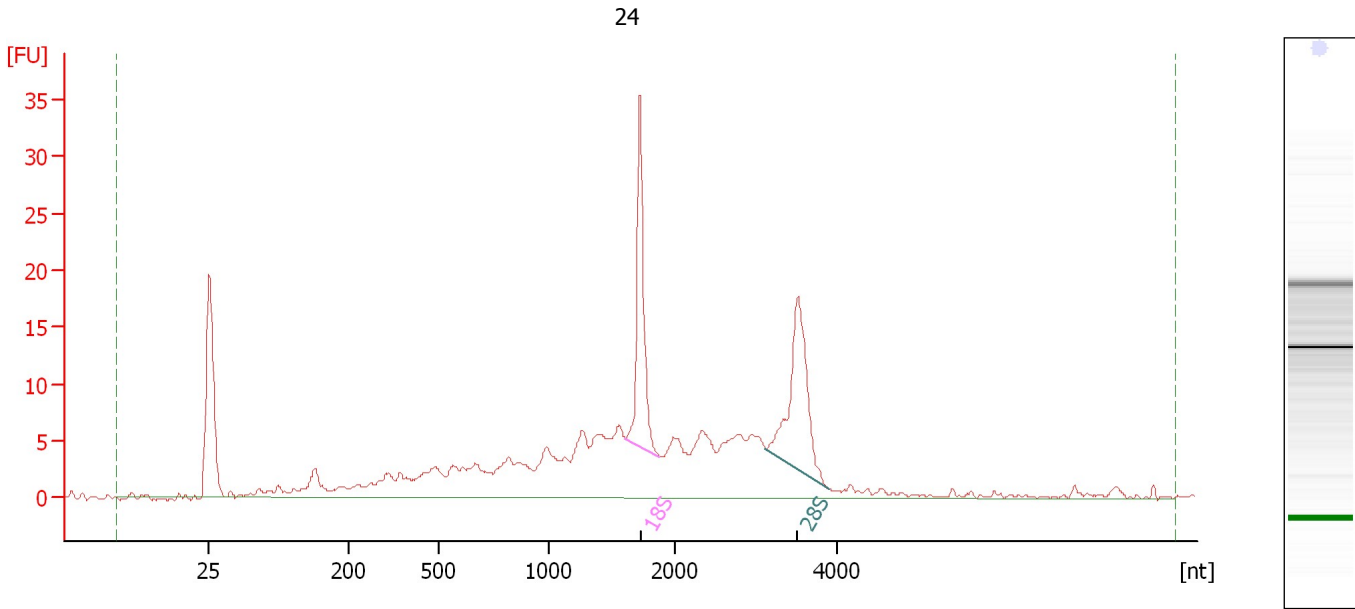
Fragment table for sample 4 : 23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,830	33.5	10.5
28S	3,073	3,882	36.7	11.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
 Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 24

RNA Area:	258.3	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	157 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.60

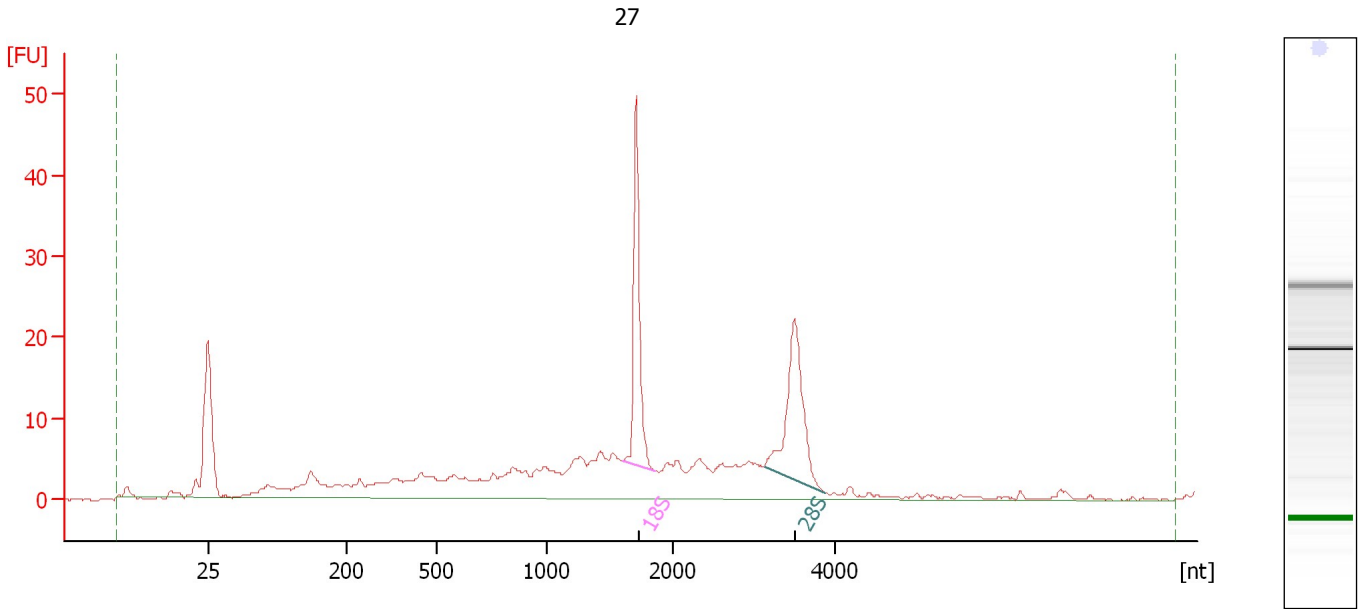
Fragment table for sample 5 : 24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	1,873	25.4	9.8
28S	3,112	3,893	27.8	10.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 27

RNA Area: 281.4 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 172 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 6.70

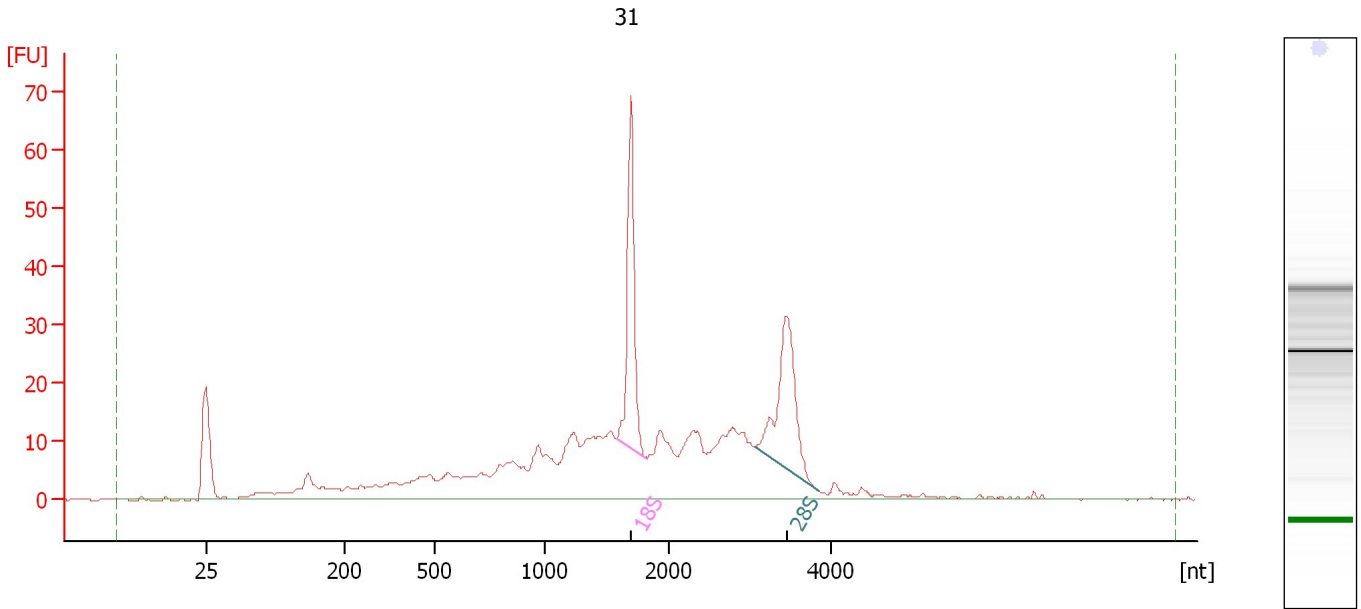
Fragment table for sample 6 : 27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,593	1,847	34.0	12.1
28S	3,127	3,869	33.5	11.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 31

RNA Area: 487.7 RNA Integrity Number (RIN): 6.4 (B.02.08)
RNA Concentration: 297 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 6.40

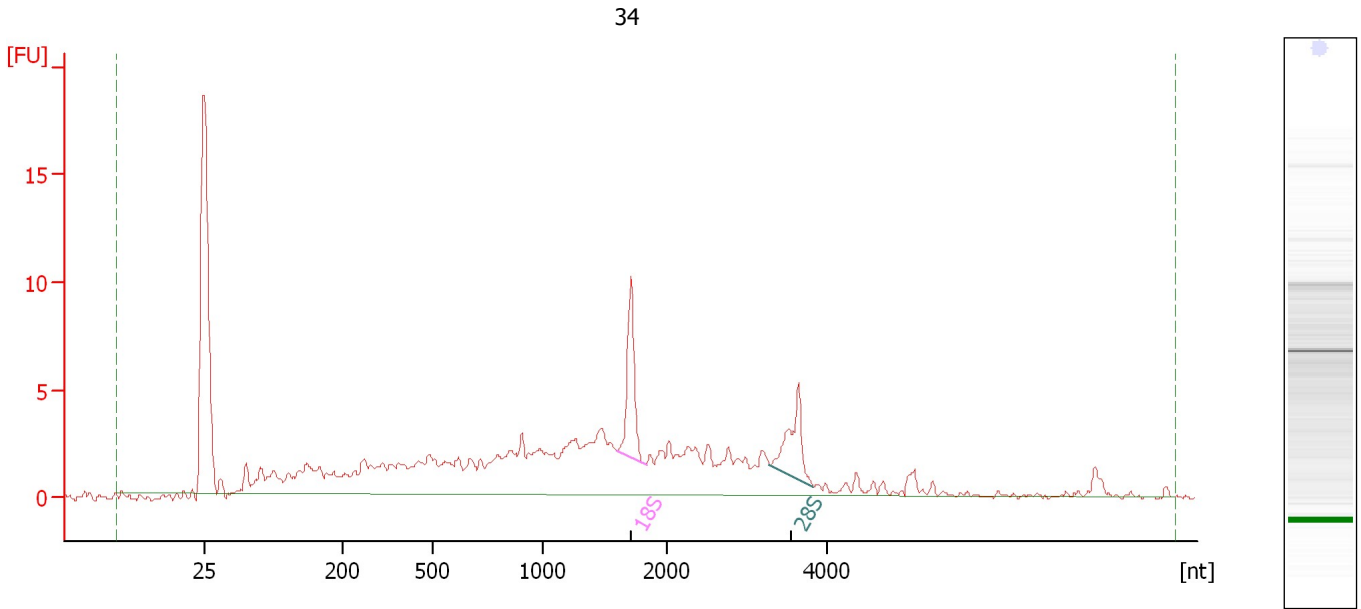
Fragment table for sample 7 : 31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	1,819	48.7	10.0
28S	3,063	3,862	49.5	10.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
 Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 34

RNA Area:	125.0	RNA Integrity Number (RIN):	5.8 (B.02.08)
RNA Concentration:	76 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 5.80

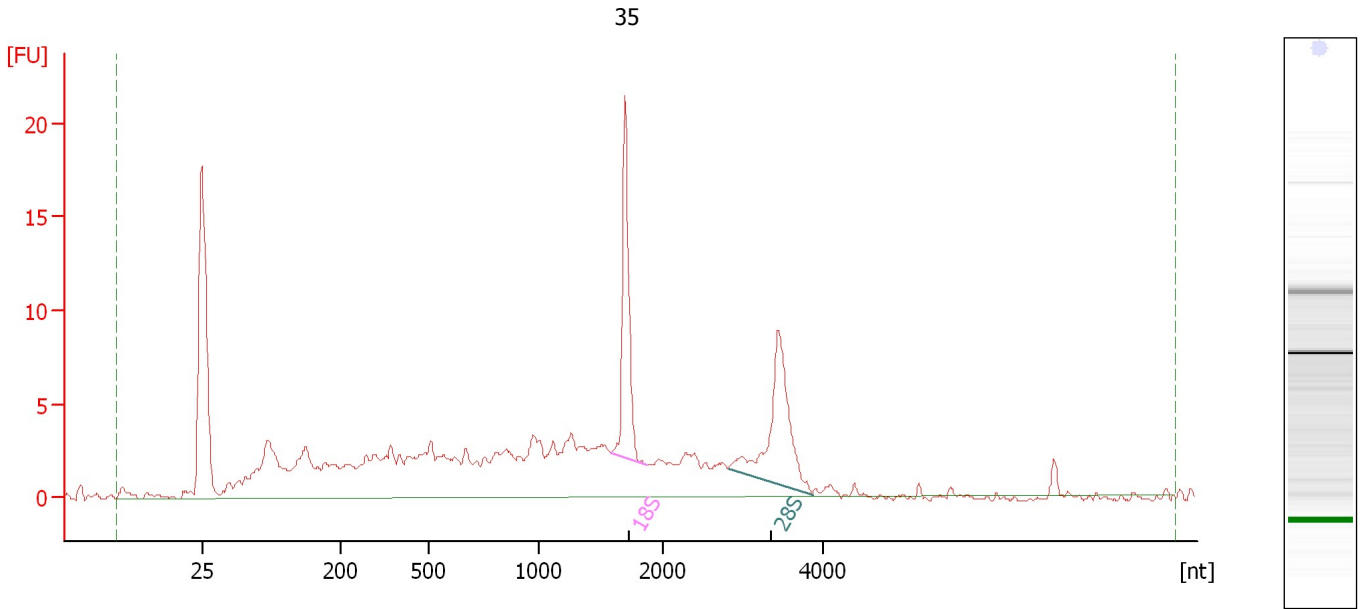
Fragment table for sample 8 : 34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,827	7.0	5.6
28S	3,277	3,824	5.5	4.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 35

RNA Area:	182.8	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	111 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.50

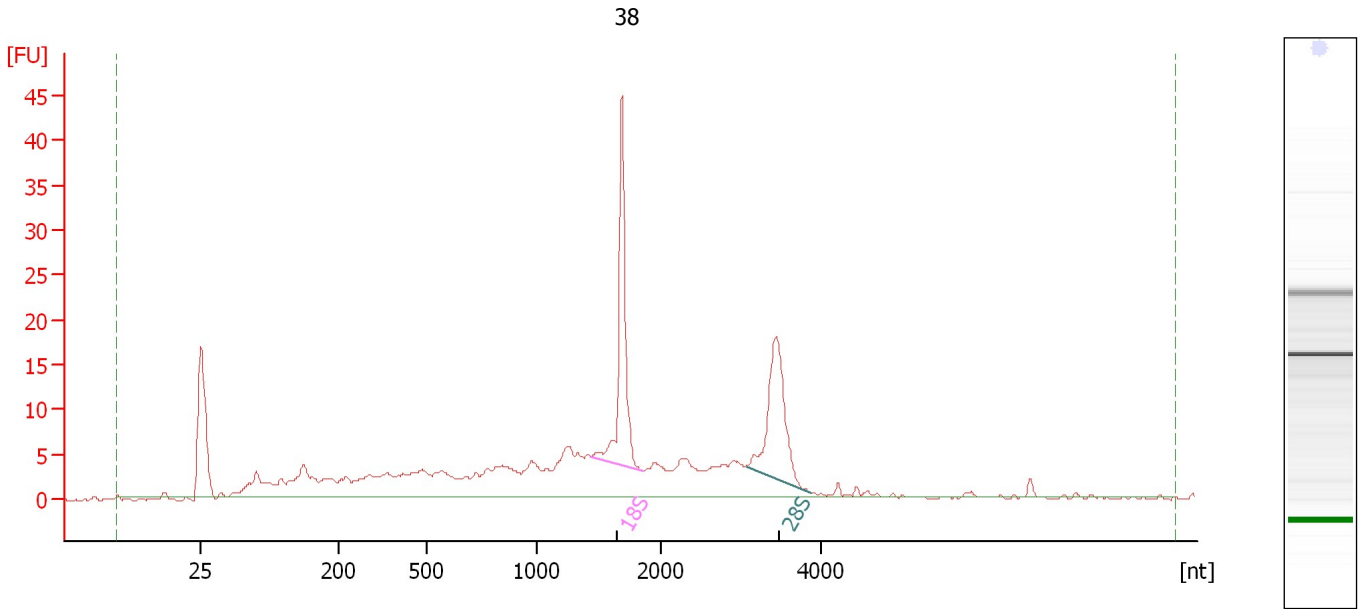
Fragment table for sample 9 : 35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,859	15.0	8.2
28S	2,811	3,870	16.9	9.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 38

RNA Area:	264.8	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	161 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.70

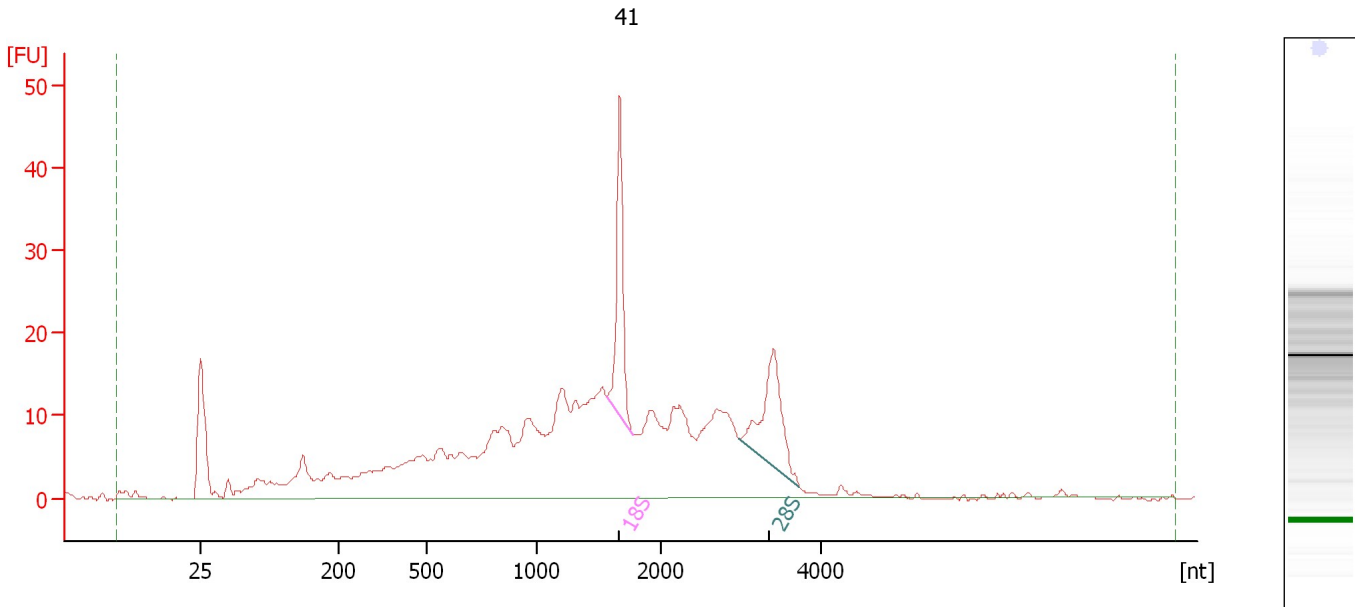
Fragment table for sample 10 : 38

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,437	1,849	34.4	13.0
28S	3,081	3,873	28.3	10.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 41

RNA Area: 480.2 RNA Integrity Number (RIN): 5.4 (B.02.08)
RNA Concentration: 293 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 5.40

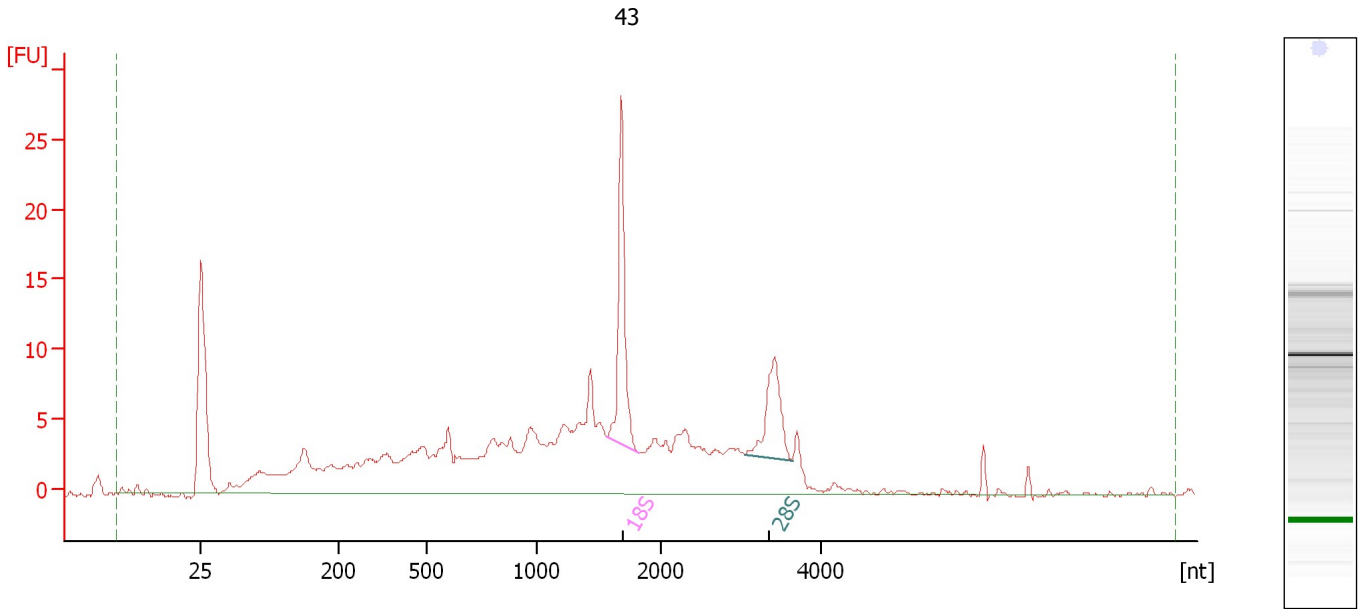
Fragment table for sample 11 : 41

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,763	31.1	6.5
28S	2,973	3,739	28.3	5.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 43

RNA Area: 246.7 RNA Integrity Number (RIN): 5.7 (B.02.08)
RNA Concentration: 150 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 5.70

Fragment table for sample 12 : 43

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	1,815	19.8	8.0
28S	3,040	3,645	10.9	4.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-12\2018-10-12_003.xad

Created: 10/12/2018 11:47:06 AM
Modified: 10/12/2018 12:10:30 PM

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