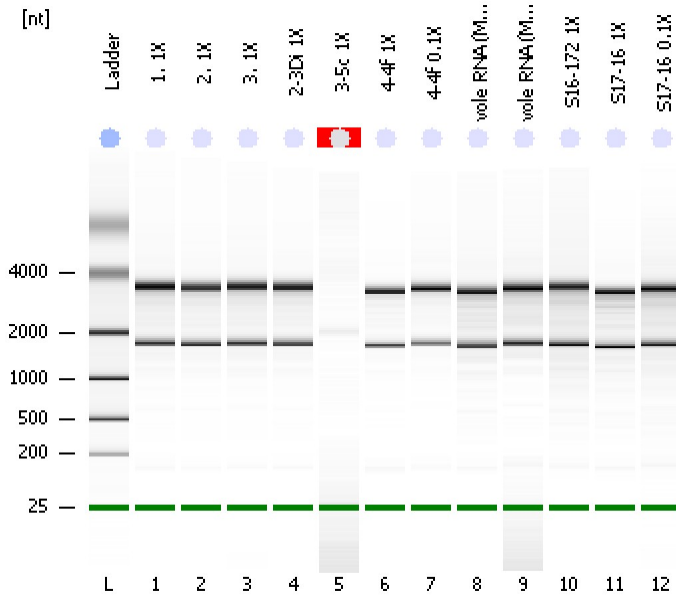


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

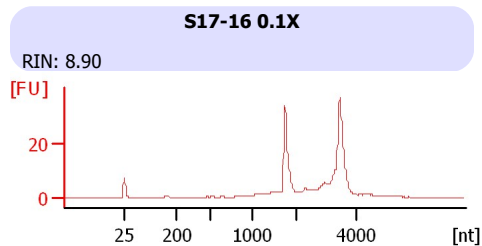
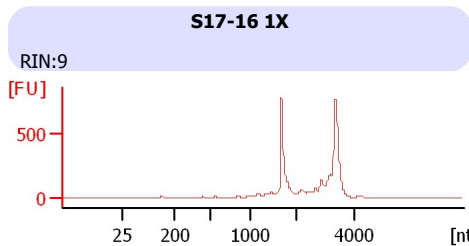
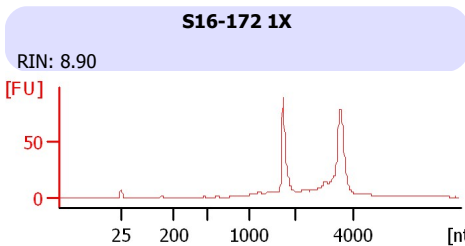
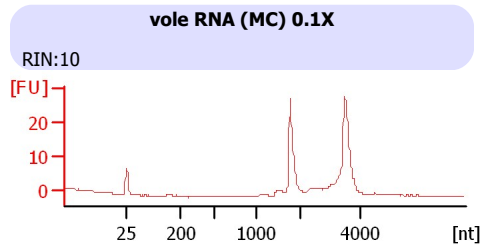
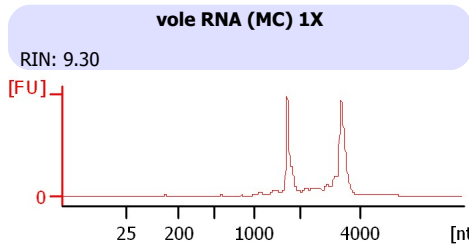
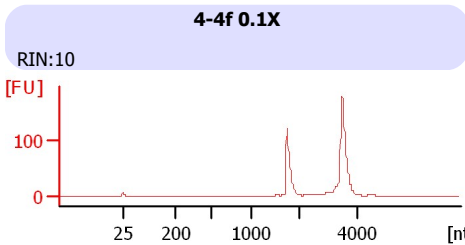
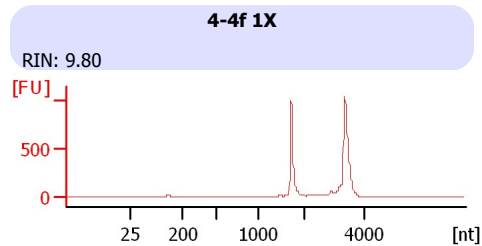
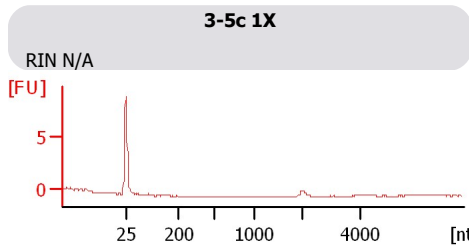
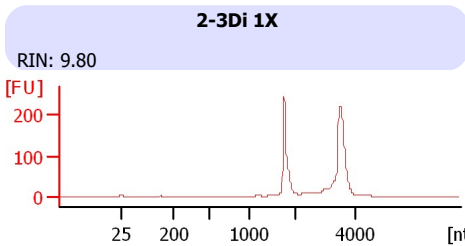
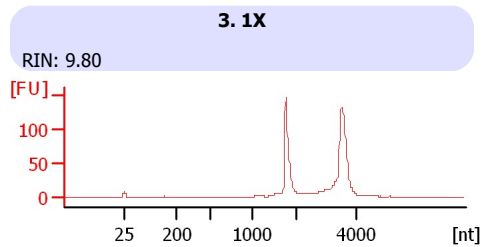
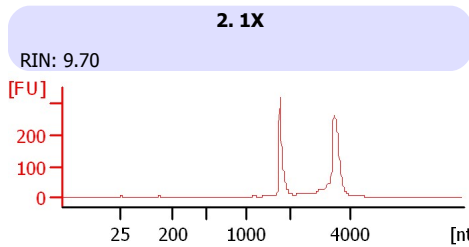
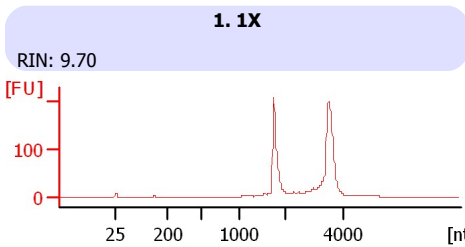
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
 Modified: 10/18/2017 2:46:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1. 1X		✓	RIN: 9.70	
2. 1X		✓	RIN: 9.70	
3. 1X		✓	RIN: 9.80	
2-3Di 1X		✓	RIN: 9.80	
3-5c 1X		✓	RIN N/A	
4-4f 1X		✓	RIN: 9.80	
4-4f 0.1X		✓	RIN:10	
vole RNA (MC) 1X		✓	RIN: 9.30	
vole RNA (MC) 0.1X		✓	RIN:10	
S16-172 1X		✓	RIN: 8.90	
S17-16 1X		✓	RIN:9	
S17-16 0.1X		✓	RIN: 8.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 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

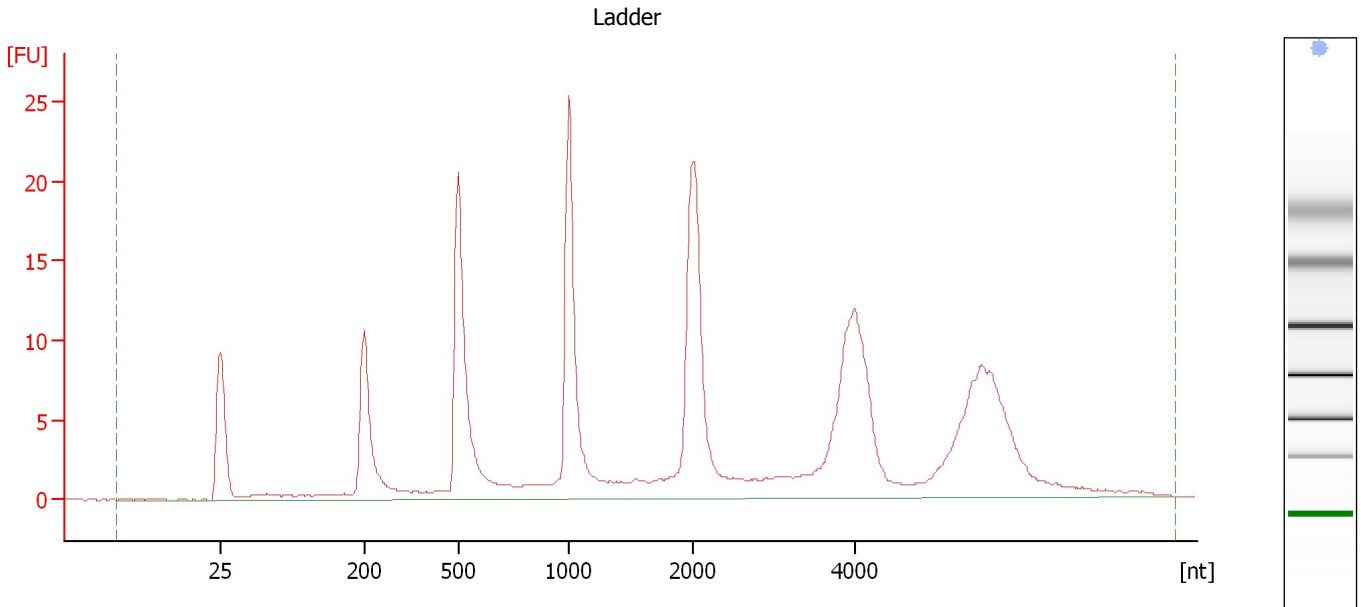
Ladder

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\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary



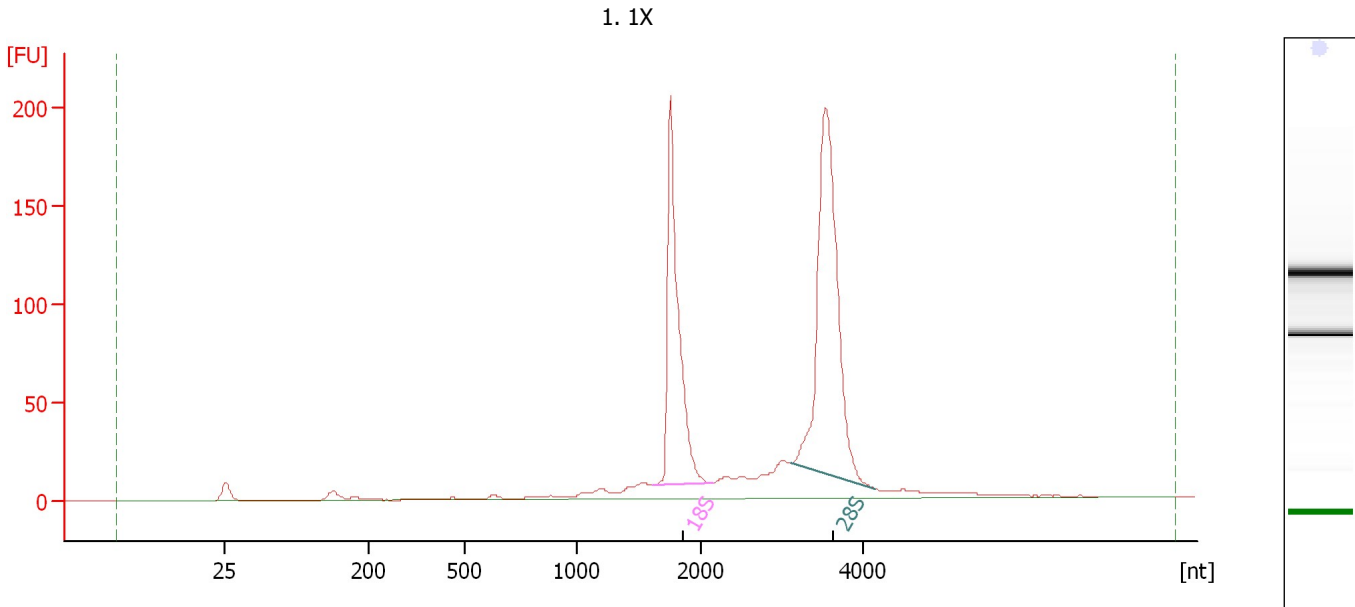
Overall Results for Ladder

RNA Area:	237.5	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\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1.1X

RNA Area: 963.0 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 608 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.70

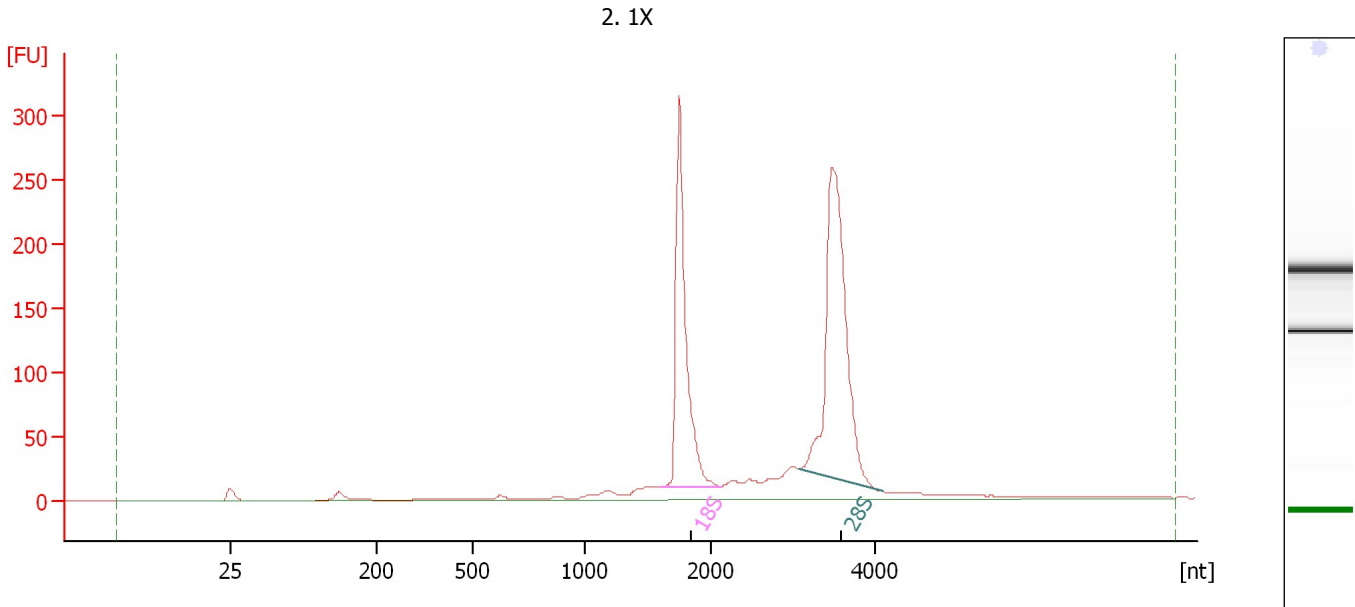
Fragment table for sample 1 : 1.1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	2,136	249.2	25.9
28S	3,095	4,146	377.7	39.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2.1X

RNA Area:	1,249.1	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	789 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.70

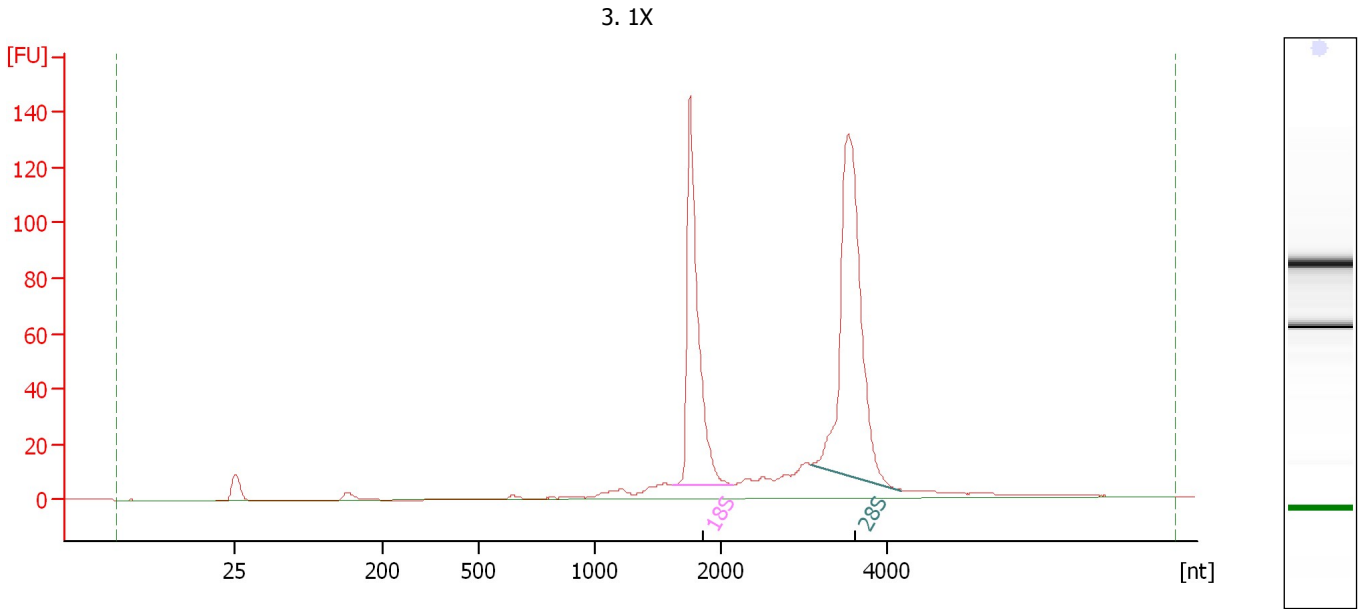
Fragment table for sample 2 : 2.1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	2,114	339.0	27.1
28S	3,077	4,078	490.9	39.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
 Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3.1X

RNA Area:	623.6	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	394 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.80

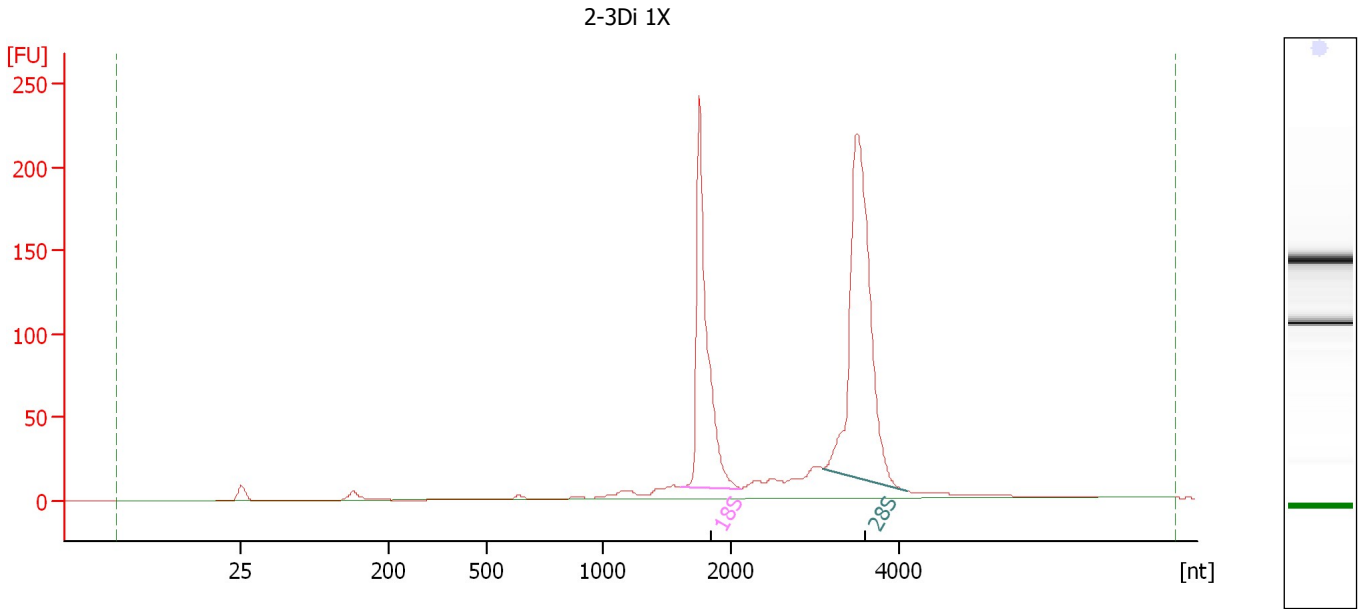
Fragment table for sample 3 : 3.1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	2,145	170.1	27.3
28S	3,085	4,166	251.4	40.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2-3Di 1X

RNA Area: 1,000.5 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 632 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.80

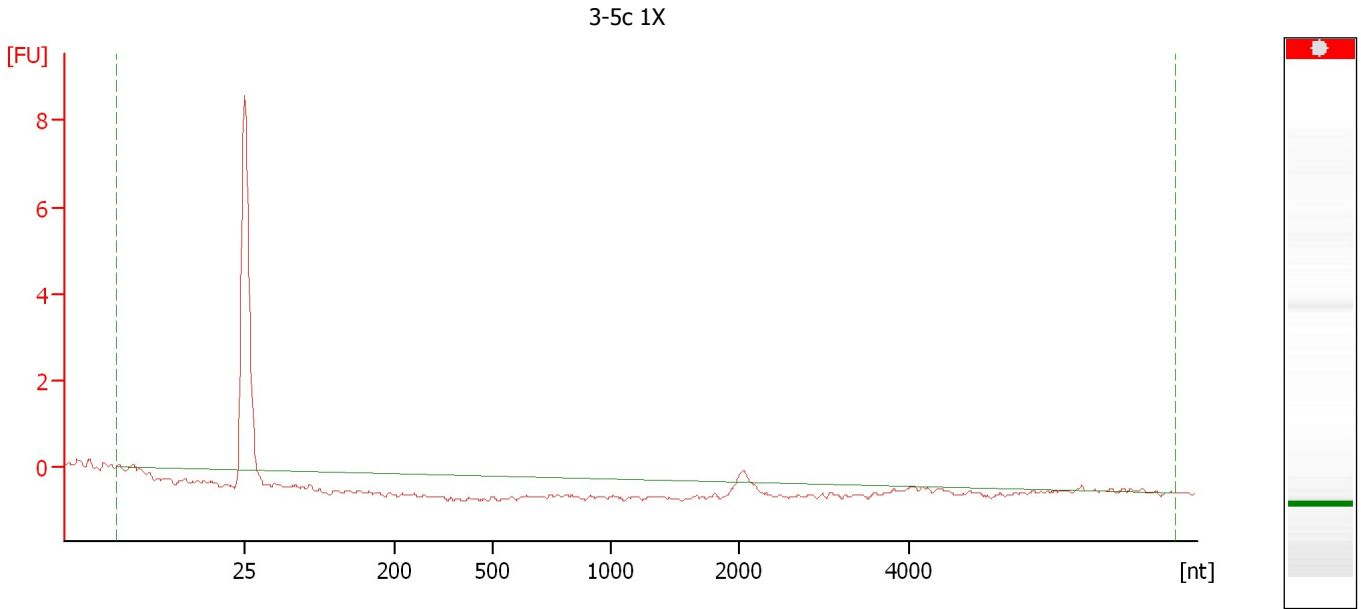
Fragment table for sample 4 : 2-3Di 1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	2,111	274.9	27.5
28S	3,080	4,100	411.9	41.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



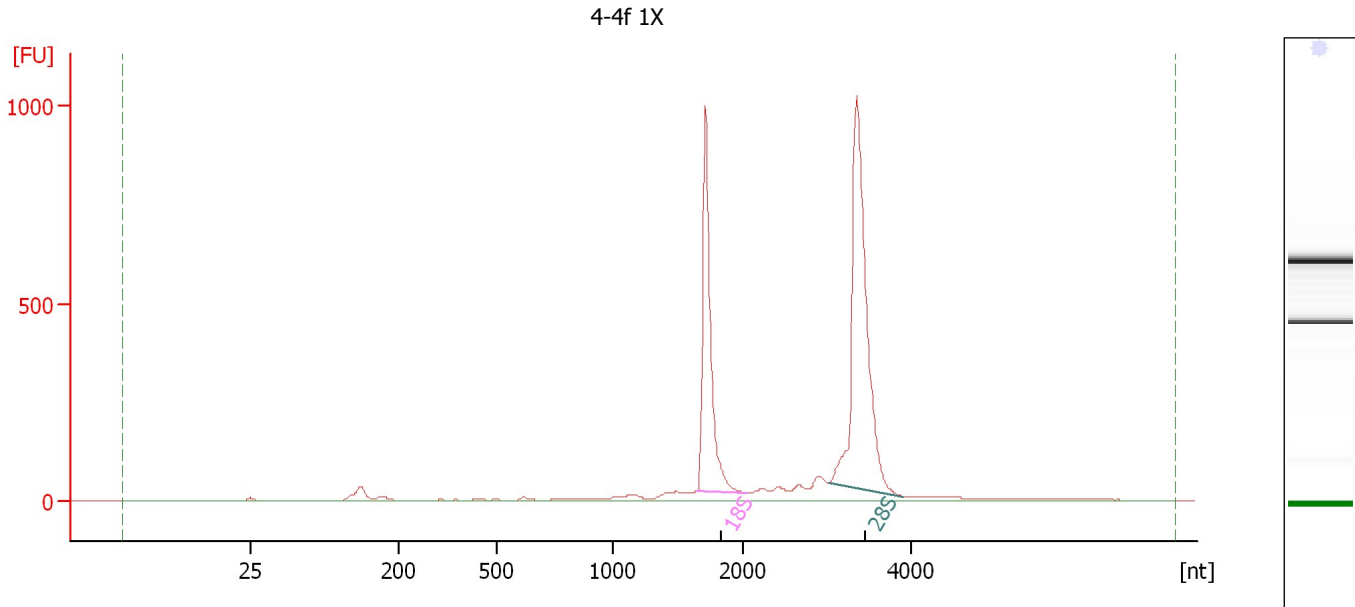
Overall Results for sample 5 : 3-5c 1X

RNA Area:	0.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	0 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\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
 Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 4-4f 1X

RNA Area:	3,244.0	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	2,049 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.80

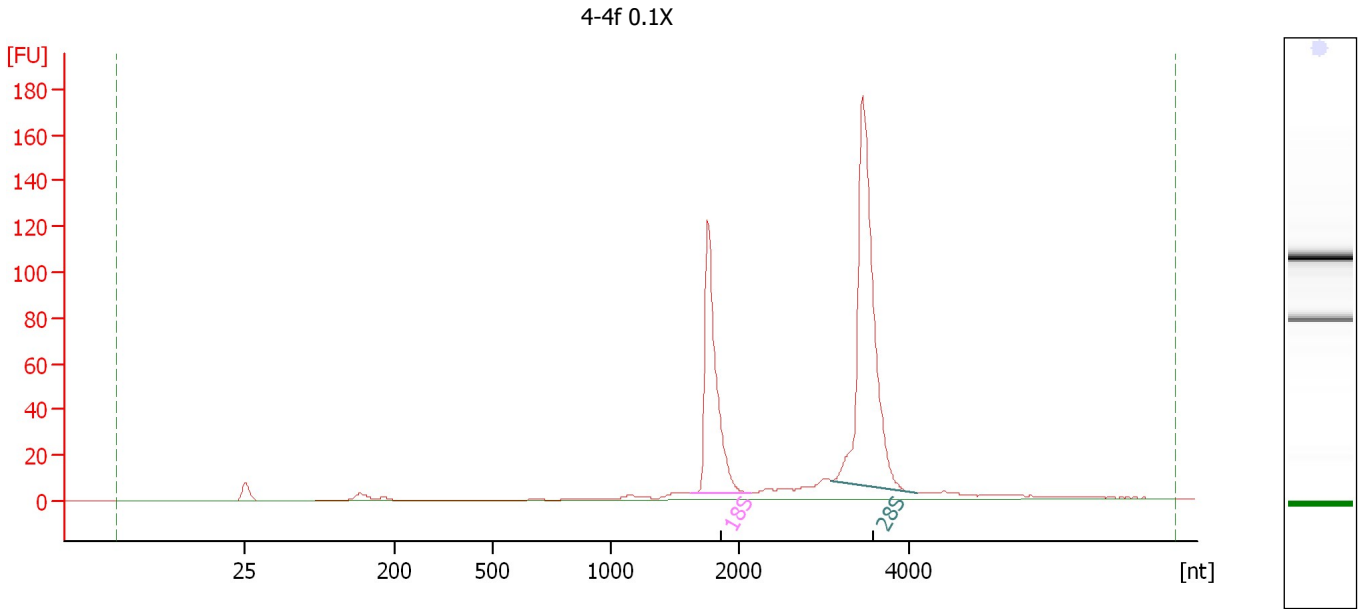
Fragment table for sample 6 : 4-4f 1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,655	2,052	891.2	27.5
28S	3,026	3,924	1,403.8	43.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 4-4f 0.1X

RNA Area: 538.8 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 340 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN:10

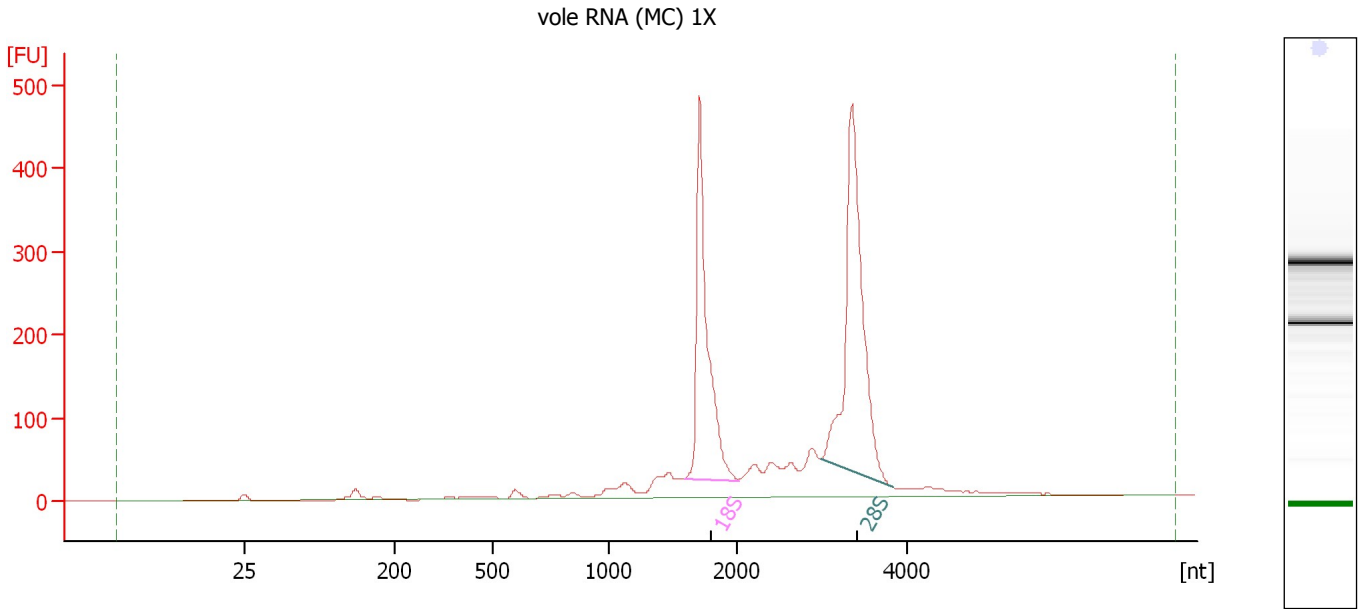
Fragment table for sample 7 : 4-4f 0.1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	2,140	146.4	27.2
28S	3,089	4,088	260.9	48.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : vole RNA (MC) 1X

RNA Area: 2,173.5 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 1,373 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 9.30

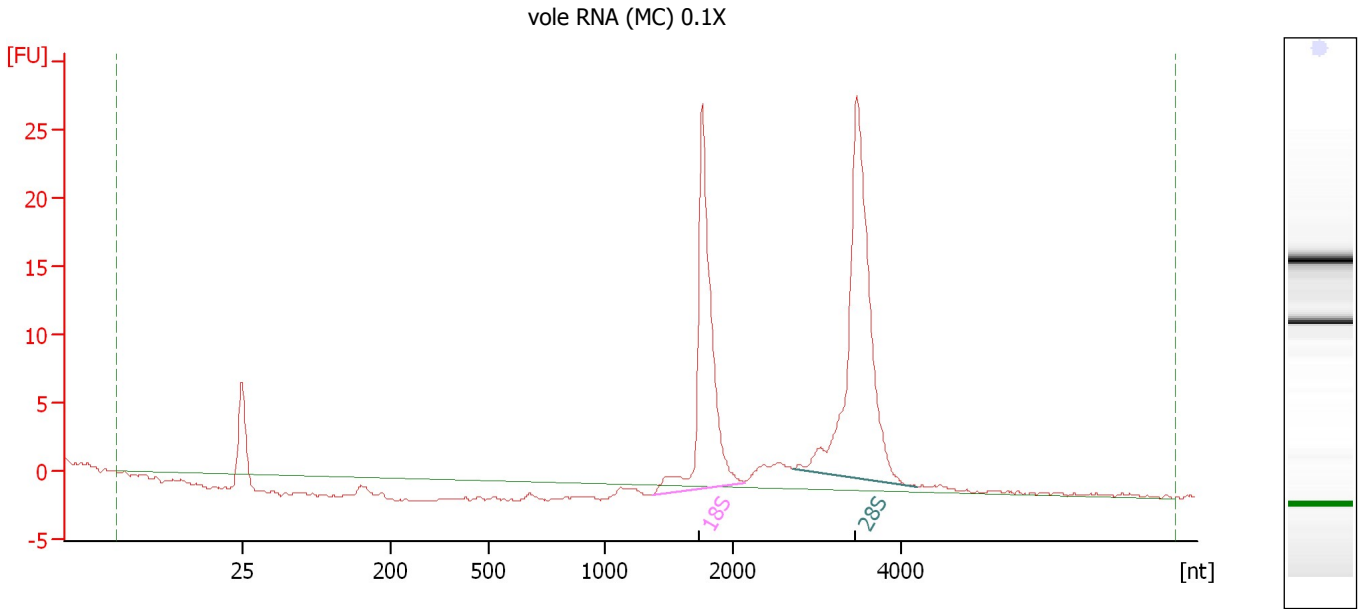
Fragment table for sample 8 : vole RNA (MC) 1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	2,013	554.4	25.5
28S	2,988	3,850	719.8	33.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : vole RNA (MC) 0.1X

RNA Area: 119.5 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 76 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:10

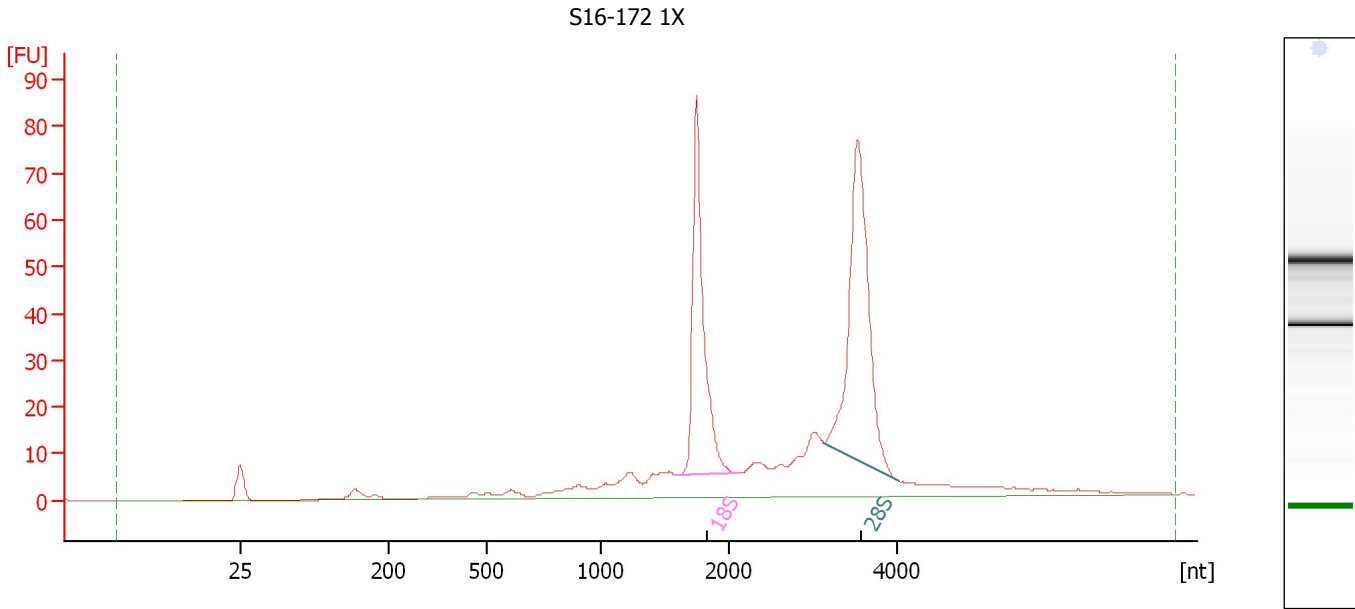
Fragment table for sample 9 : vole RNA (MC) 0.1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,377	2,125	42.6	35.6
28S	2,710	4,186	58.3	48.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : S16-172 1X

RNA Area: 458.2 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 289 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.90

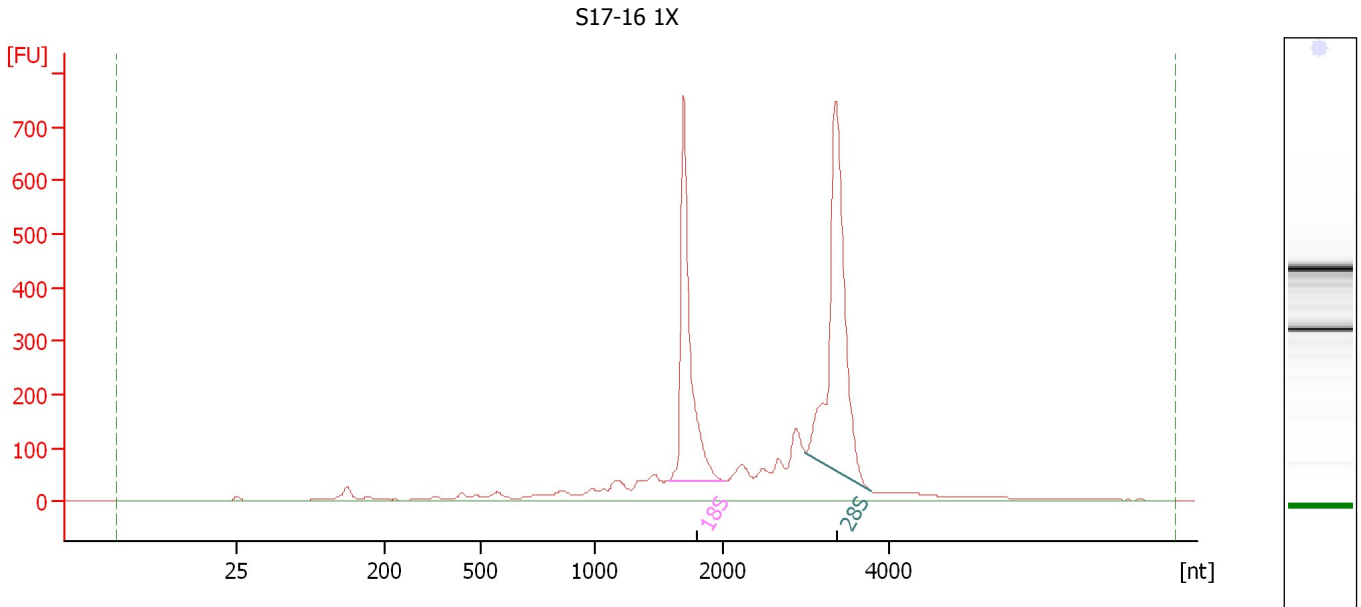
Fragment table for sample 10 : S16-172 1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,598	2,097	97.7	21.3
28S	3,119	4,013	130.7	28.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : S17-16 1X

RNA Area:	3,537.6	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	2,235 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:9

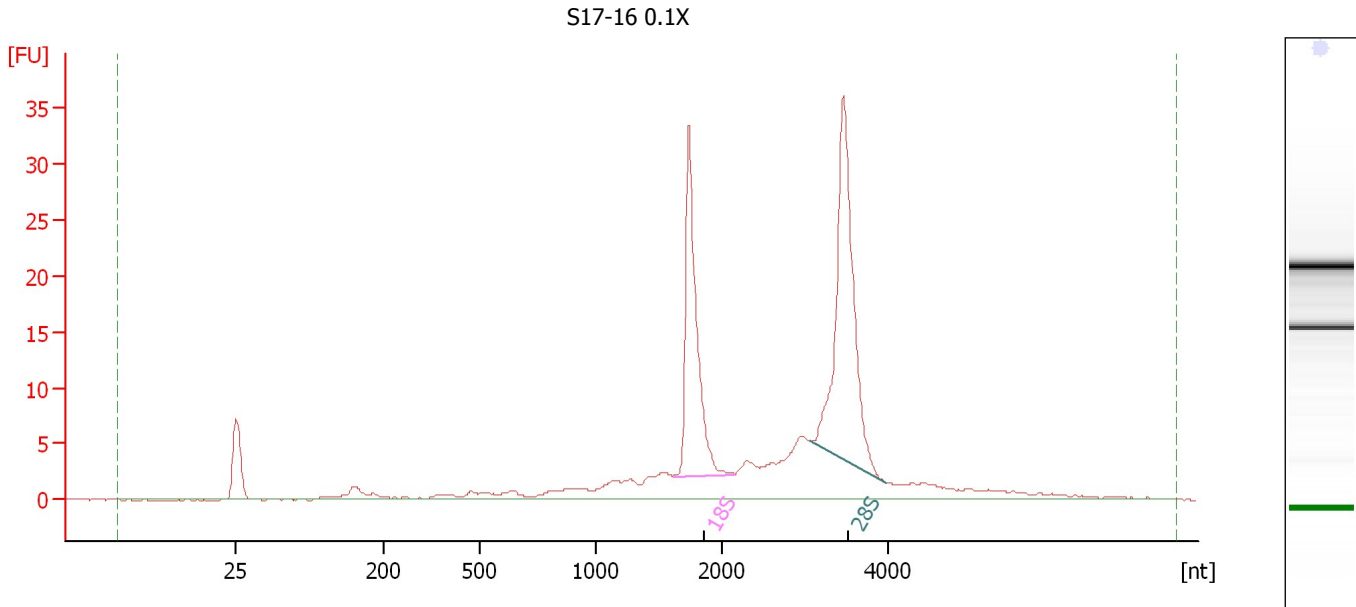
Fragment table for sample 11 : S17-16 1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	2,017	794.8	22.5
28S	2,981	3,778	1,049.5	29.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : S17-16 0.1X

RNA Area: 196.6 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 124 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.90

Fragment table for sample 12 : S17-16 0.1X

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	2,145	39.1	19.9
28S	3,046	3,973	56.2	28.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-18\2017-10-18_001.xad

Created: 10/18/2017 2:22:50 PM
Modified: 10/18/2017 2:46:40 PM

Gel Image

