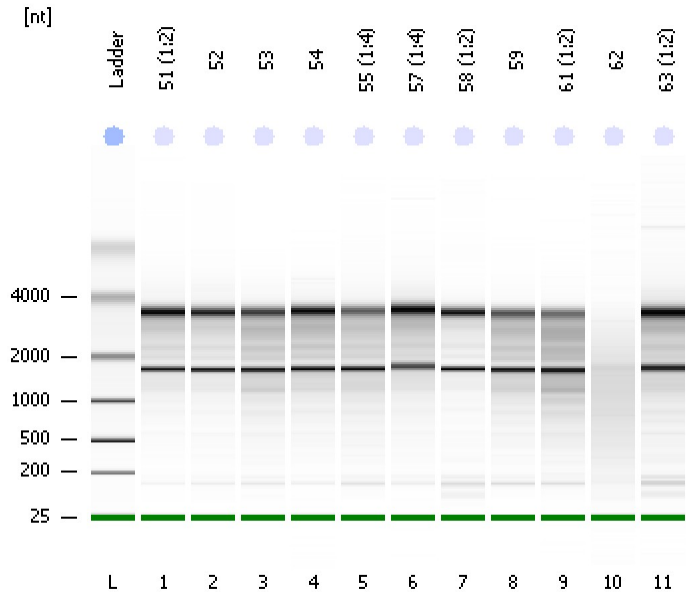


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electrophoresis File Run Summary



Instrument Information:

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

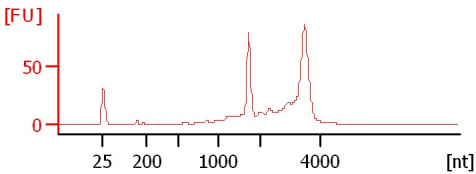
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

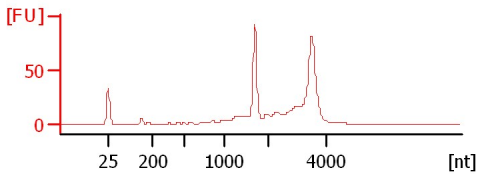
Chip Information:

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

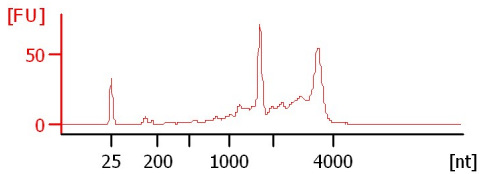
51 (1:2)
RIN: 8.70



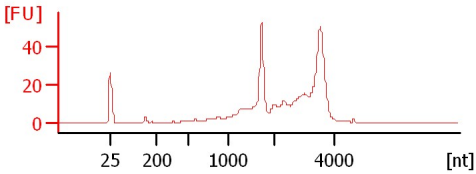
52
RIN: 9.10



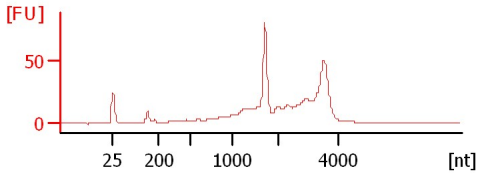
53
RIN: 7.60



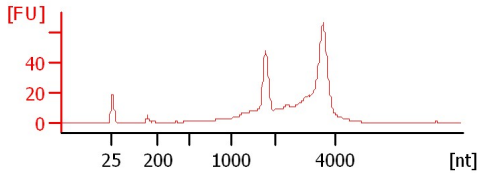
54
RIN: 8.20



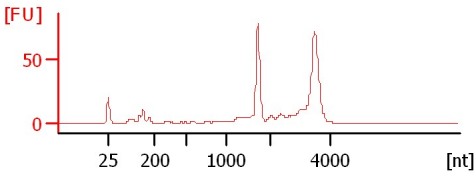
55 (1:4)
RIN: 8.40



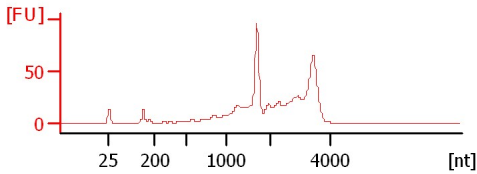
57 (1:4)
RIN: 9.40



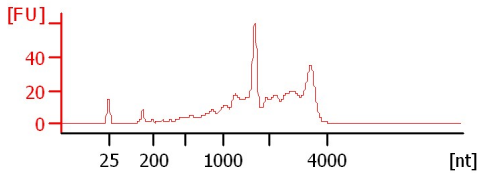
58 (1:2)
RIN: 9.30



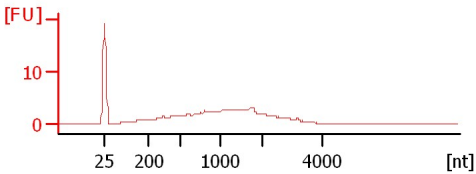
59
RIN: 7.40



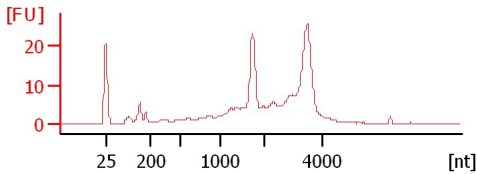
61 (1:2)
RIN: 6.60



62
RIN: 1.70



63 (1:2)
RIN: 8.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
 Modified: 2/5/2019 4:21:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
51 (1:2)		✓	RIN: 8.70	
52		✓	RIN: 9.10	
53		✓	RIN: 7.60	
54		✓	RIN: 8.20	
55 (1:4)		✓	RIN: 8.40	
57 (1:4)		✓	RIN: 9.40	
58 (1:2)		✓	RIN: 9.30	
59		✓	RIN: 7.40	
61 (1:2)		✓	RIN: 6.60	
62		✓	RIN: 1.70	
63 (1:2)		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

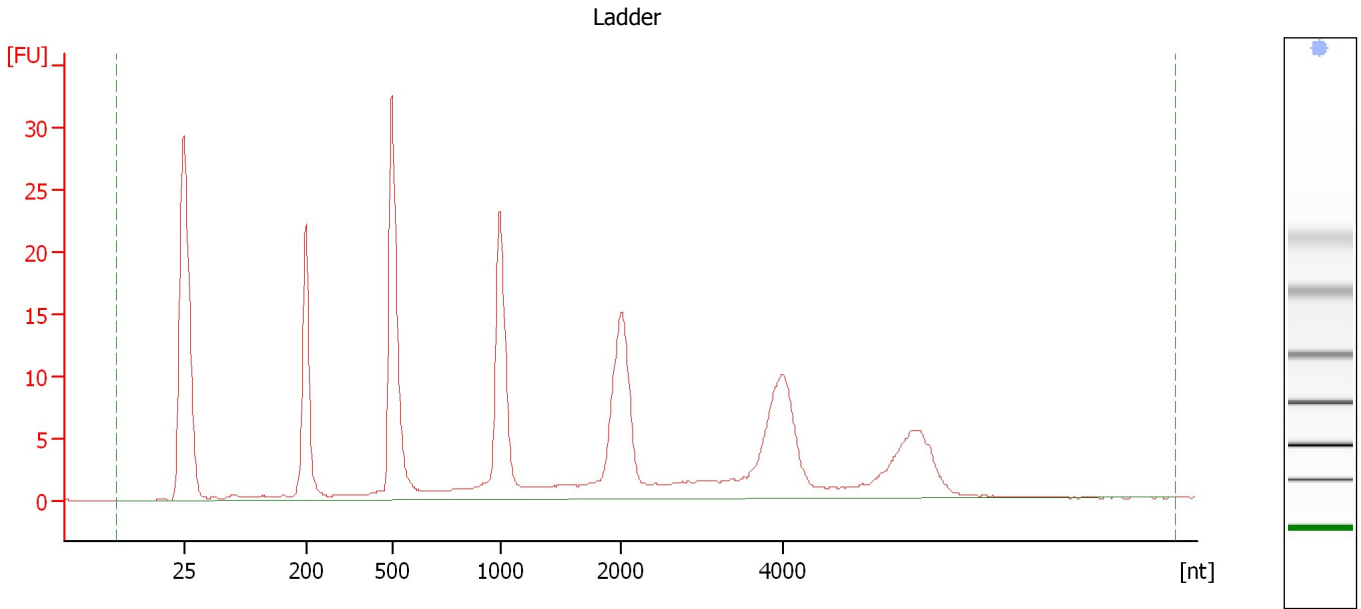
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary



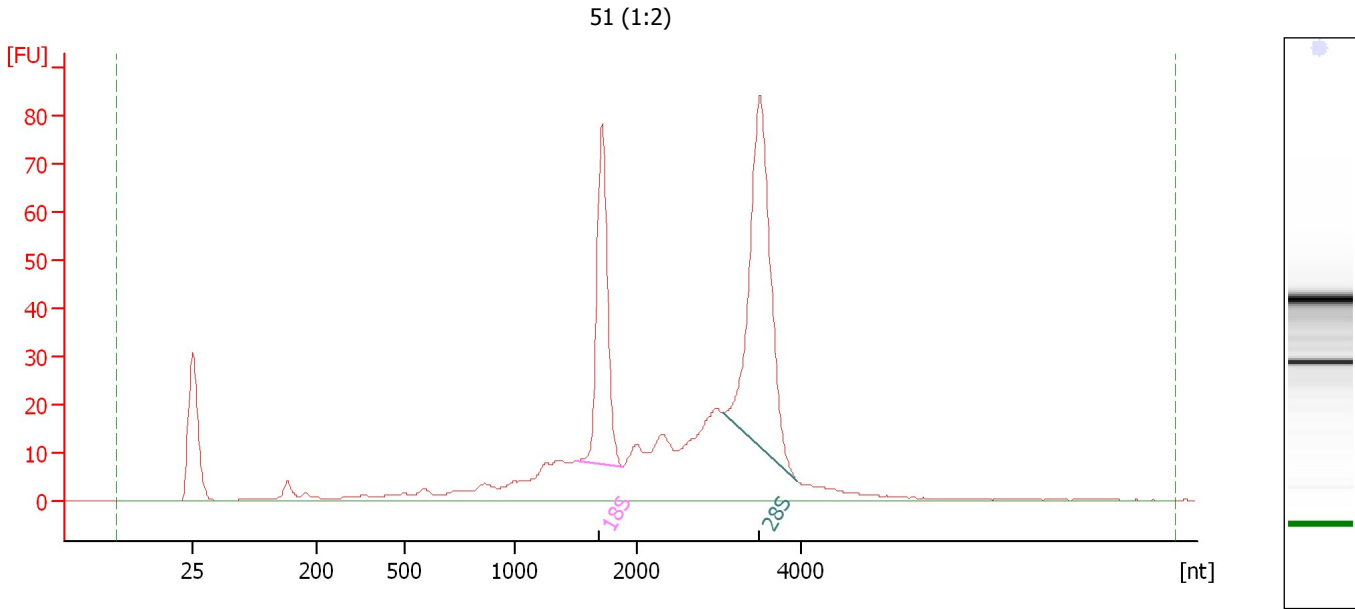
Overall Results for Ladder

RNA Area: 247.4 Result Flagging Color:
RNA Concentration: 1,000 pg/μl Result Flagging Label: All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 51 (1:2)

RNA Area: 642.7 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 2,598 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.70

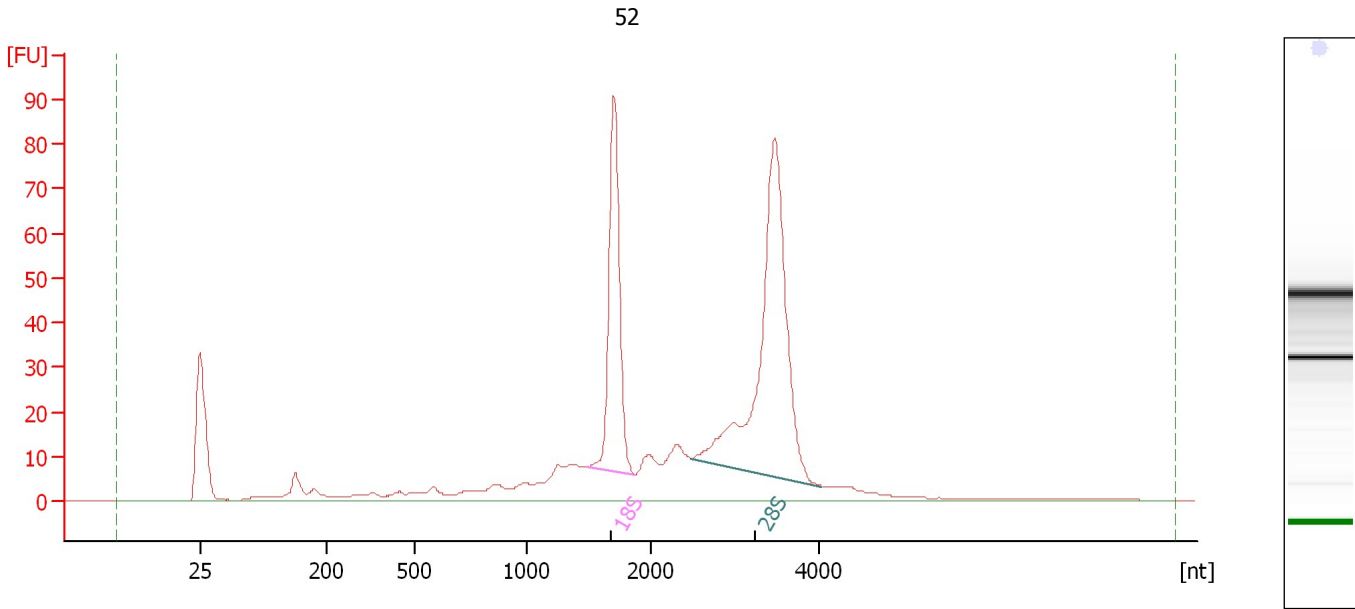
Fragment table for sample 1 : 51 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,876	96.9	15.1
28S	3,038	3,949	166.3	25.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
 Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 52

RNA Area:	629.5	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	2,544 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.10

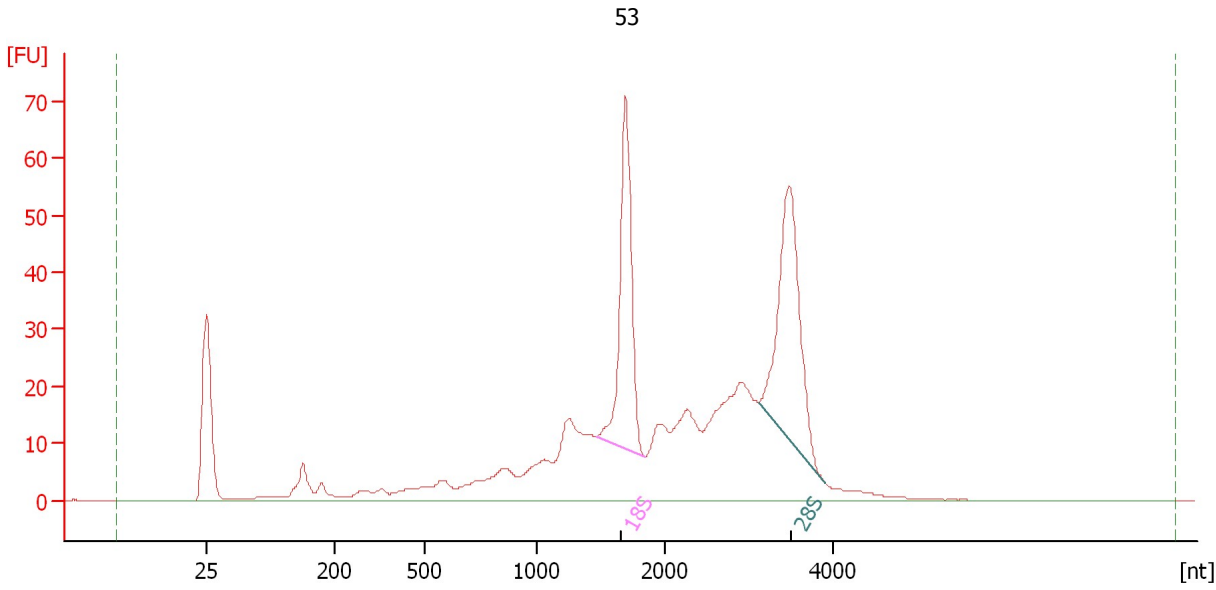
Fragment table for sample 2 : 52

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,481	1,866	109.8	17.4
28S	2,480	4,031	212.8	33.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 53

RNA Area: 650.6 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 2,629 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 7.60

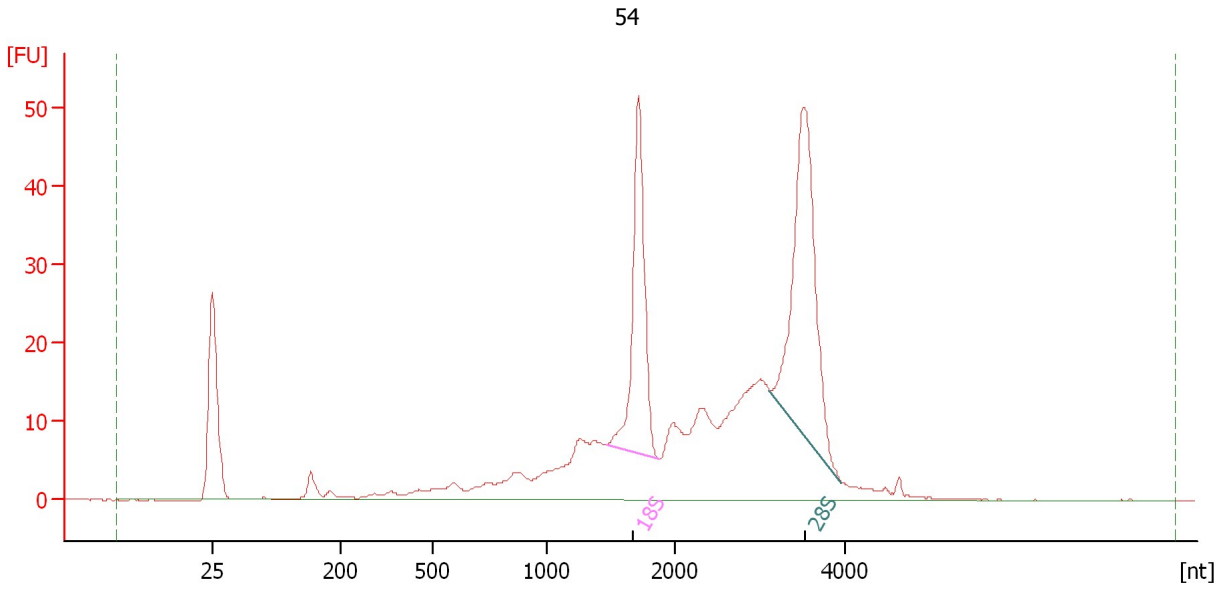
Fragment table for sample 3 : 53

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,467	1,848	87.5	13.5
28S	3,114	3,899	100.8	15.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 54

RNA Area:	471.2	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	1,904 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.20

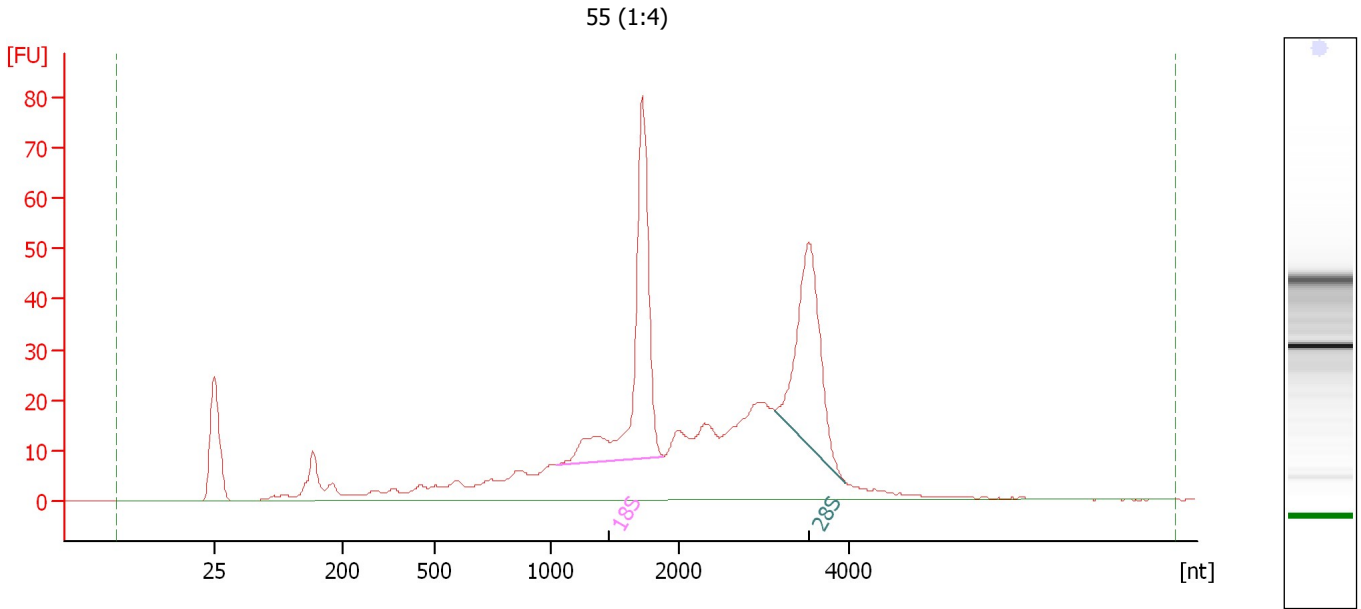
Fragment table for sample 4 : 54

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,468	1,878	65.5	13.9
28S	3,121	3,960	94.9	20.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 55 (1:4)

RNA Area: 676.7 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 2,735 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 8.40

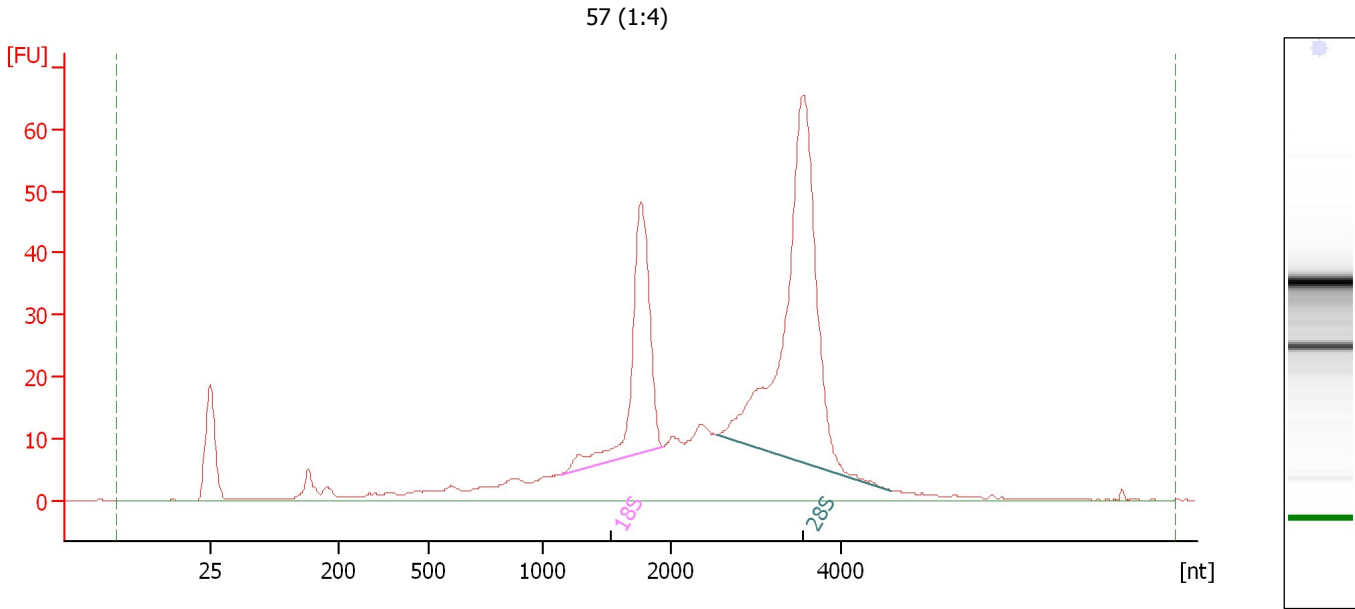
Fragment table for sample 5 : 55 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,047	1,880	126.4	18.7
28S	3,119	3,954	95.5	14.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 57 (1:4)

RNA Area: 601.1 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 2,430 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 9.40

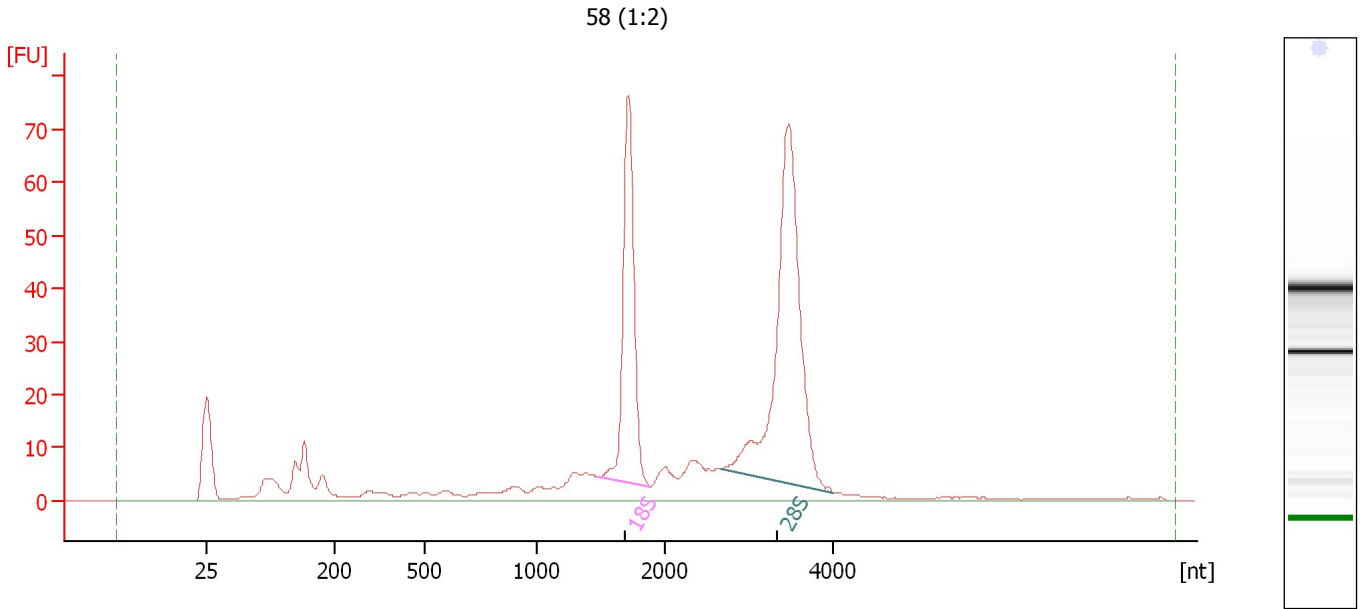
Fragment table for sample 6 : 57 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,145	1,943	90.1	15.0
28S	2,557	4,607	197.1	32.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 58 (1:2)

RNA Area: 496.5 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 2,007 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.30

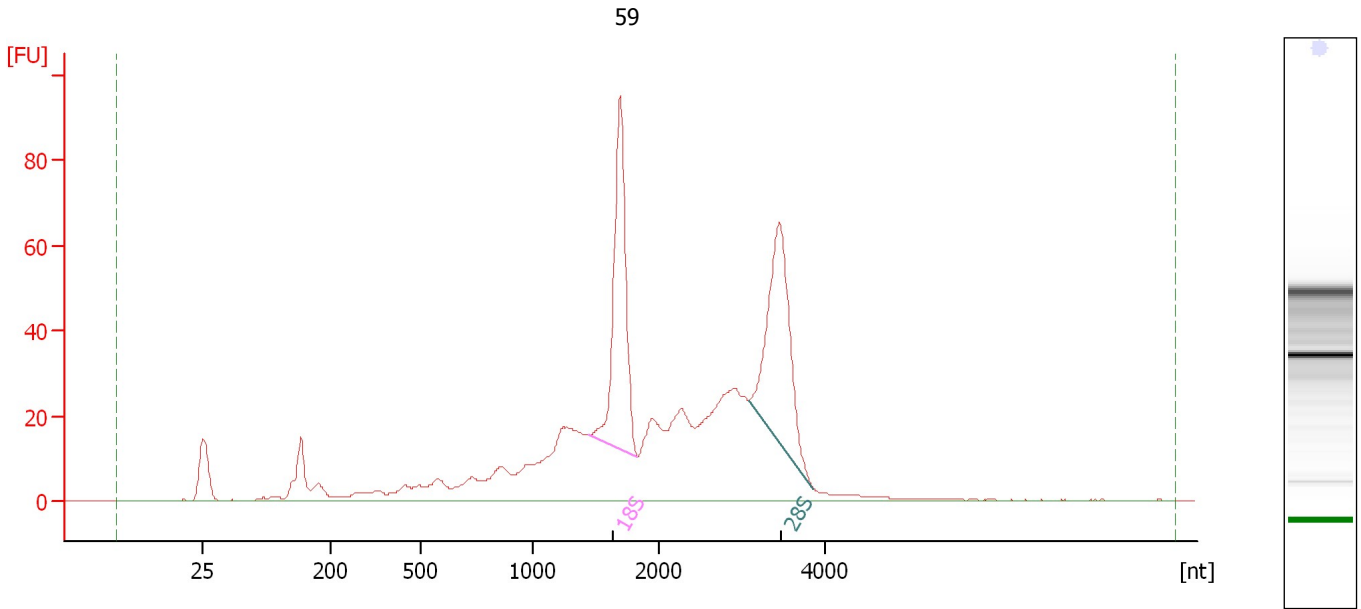
Fragment table for sample 7 : 58 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,484	1,890	95.9	19.3
28S	2,684	4,013	168.0	33.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
 Modified: 2/5/2019 4:21:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 59

RNA Area:	860.3	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	3,477 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.40

Fragment table for sample 8 : 59

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,453	1,836	121.7	14.1
28S	3,079	3,856	119.6	13.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_005.xad

Created: 2/5/2019 3:58:12 PM
Modified: 2/5/2019 4:21:09 PM

Gel Image

