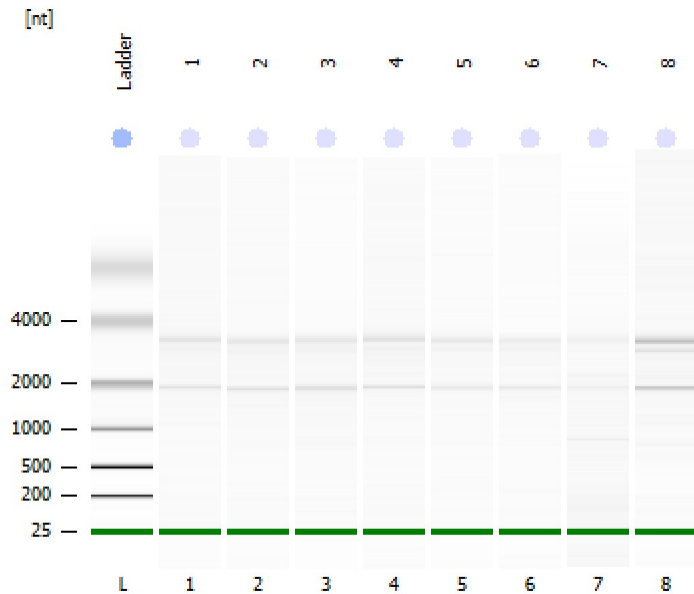


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

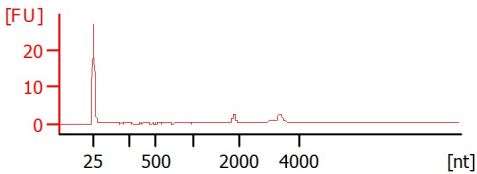
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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.

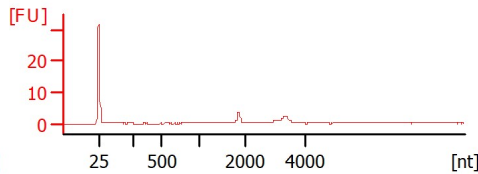
Chip Information:

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

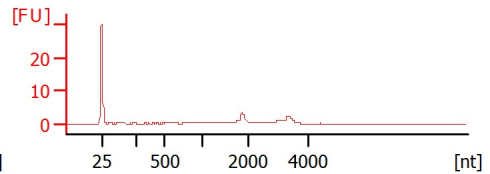
**1**  
QC0649  
RIN: 8.40



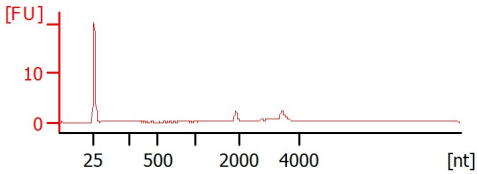
**2**  
QC0649  
RIN: 8.20



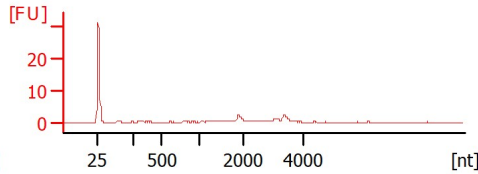
**3**  
QC0649  
RIN: 8



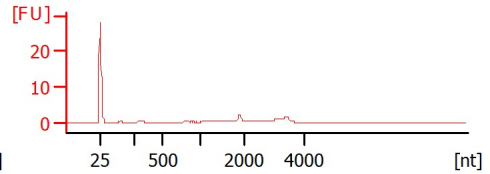
**4**  
QC0649  
RIN: 8.50



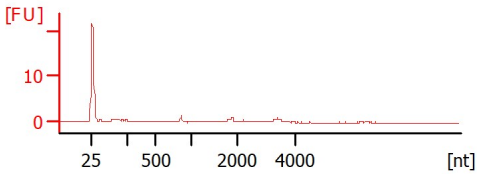
**5**  
QC0649  
RIN: 7.50



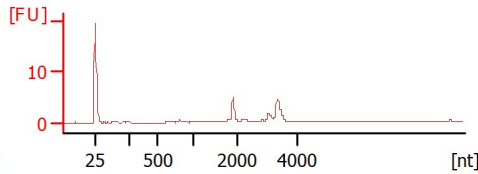
**6**  
QC0649  
RIN: 6.90



**7**  
QC0649  
RIN: 4.90



**8**  
QC0649  
RIN: 9



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
 Modified: 9/1/2020 12:41:44 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
1	QC0649	✓	RIN: 8.40	
2	QC0649	✓	RIN: 8.20	
3	QC0649	✓	RIN:8	
4	QC0649	✓	RIN: 8.50	
5	QC0649	✓	RIN: 7.50	
6	QC0649	✓	RIN: 6.90	
7	QC0649	✓	RIN: 4.90	
8	QC0649	✓	RIN:9	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ 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

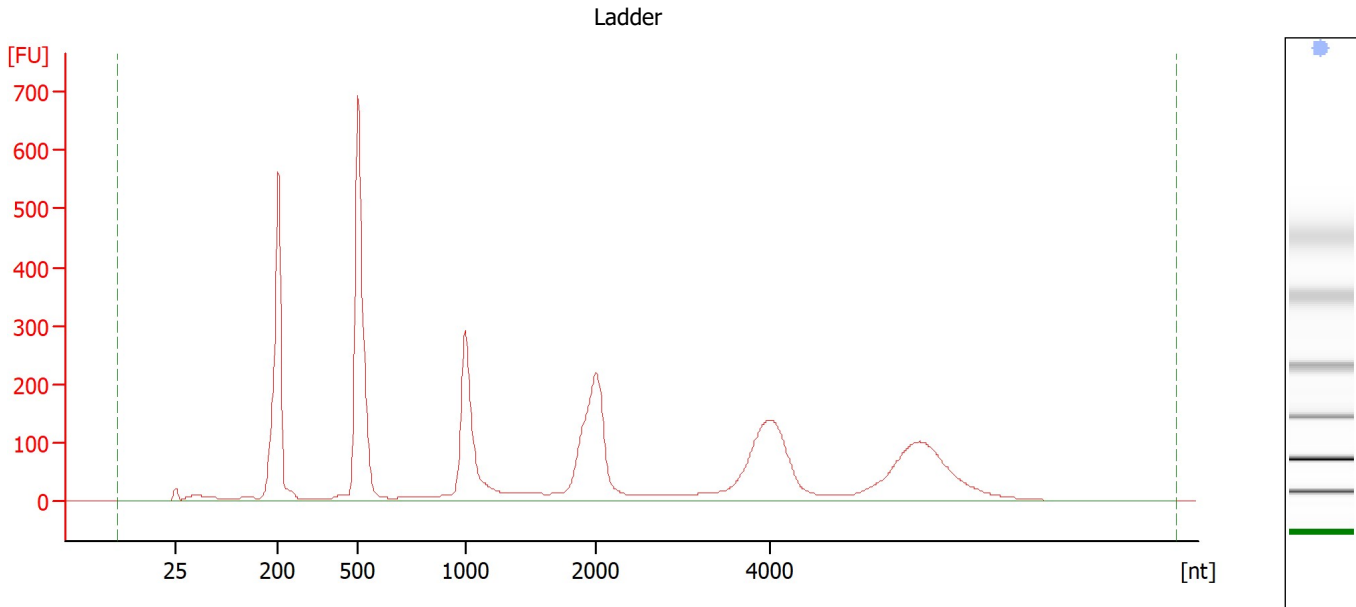
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary**



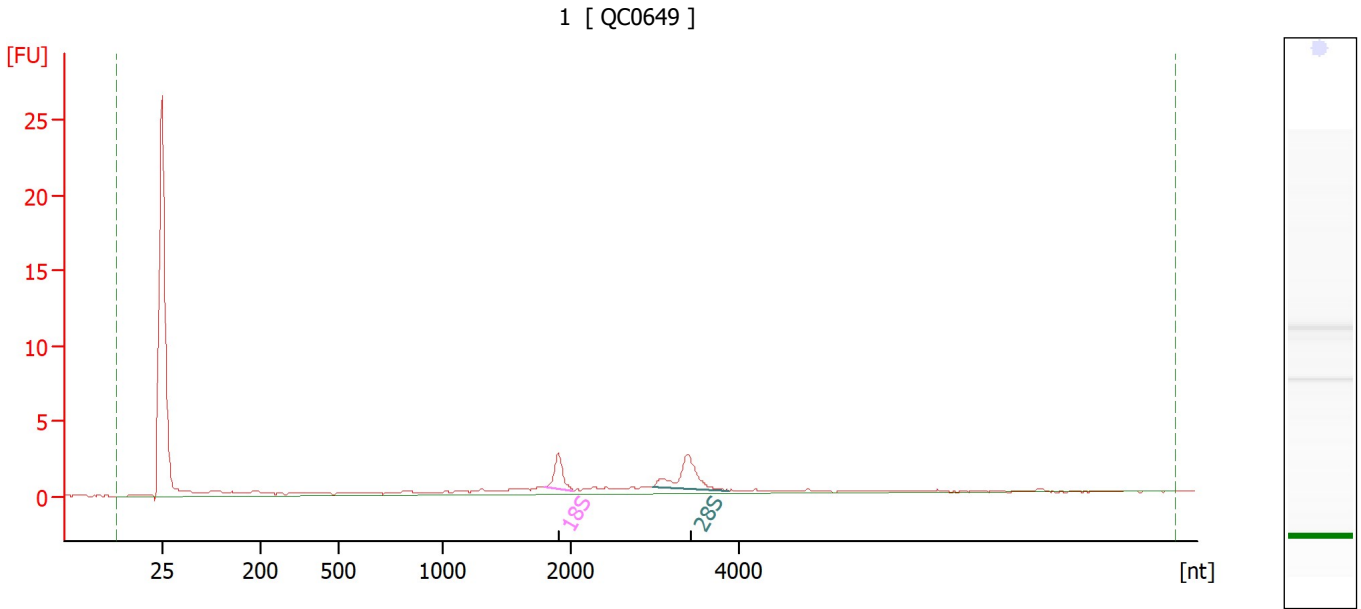
**Overall Results for Ladder**

RNA Area:	4,640.8	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1**

RNA Area:	31.5	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	7 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.40

**Fragment table for sample 1 : 1**

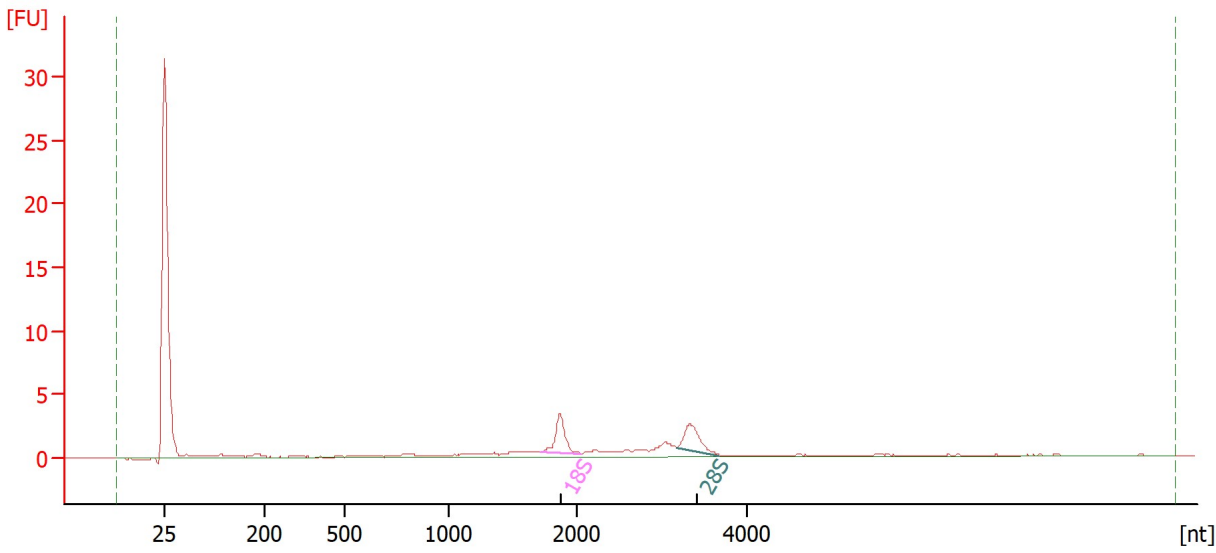
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,796	2,020	2.7	8.7
28S	2,959	3,860	4.9	15.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary Continued ...**

2 [ QC0649 ]



**Overall Results for sample 2 : 2**

RNA Area: 32.3                      RNA Integrity Number (RIN): 8.2 (B.02.10)  
RNA Concentration: 7 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.9              Result Flagging Label: RIN: 8.20

**Fragment table for sample 2 : 2**

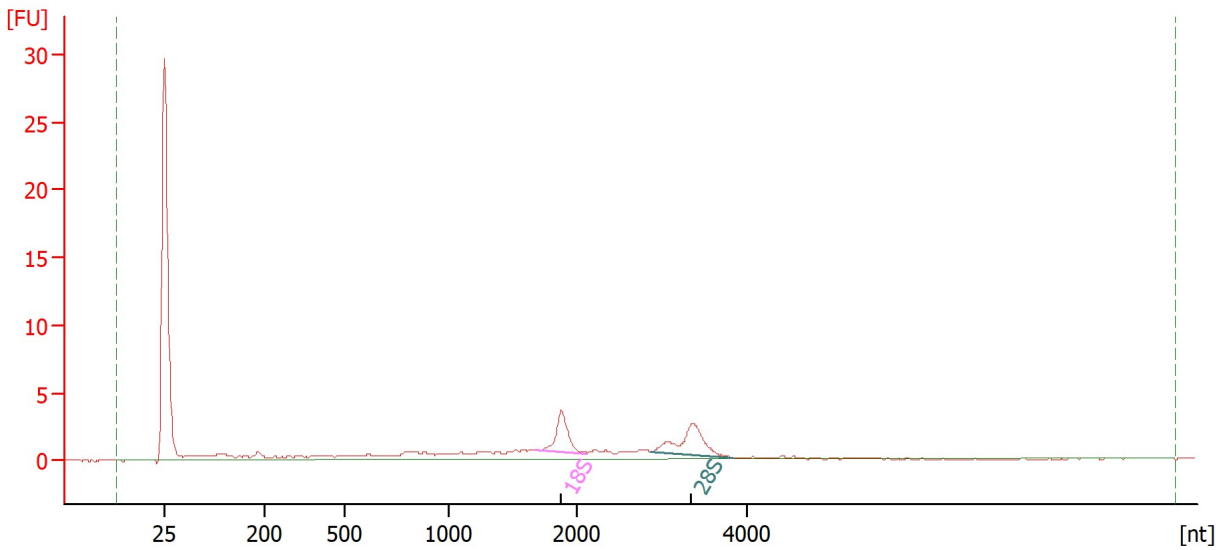
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,050	3.8	11.8
28S	3,171	3,675	3.5	10.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

Electropherogram Summary Continued ...

3 [ QC0649 ]



Overall Results for sample 3 : 3

RNA Area:	42.7	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	9 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:8

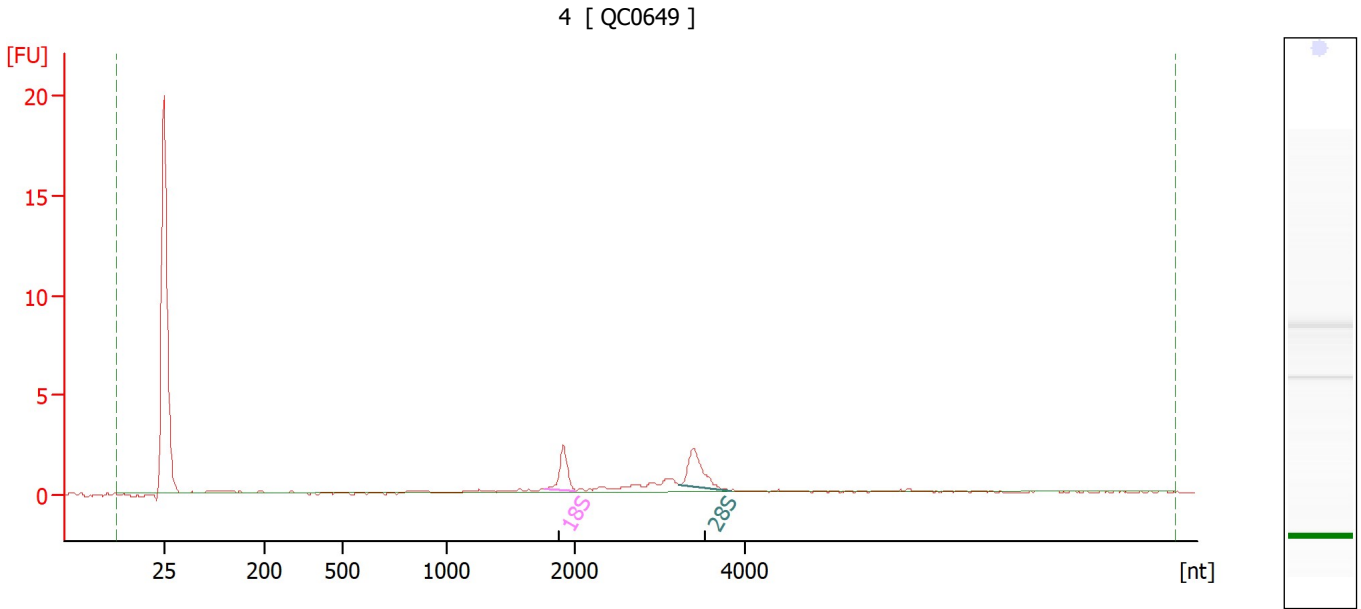
Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,667	2,113	4.8	11.3
28S	2,869	3,826	6.2	14.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 4**

RNA Area: 16.1                      RNA Integrity Number (RIN): 8.5 (B.02.10)  
RNA Concentration: 3 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4              Result Flagging Label: RIN: 8.50

**Fragment table for sample 4 : 4**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	1,998	2.3	14.3
28S	3,223	3,829	3.1	19.3

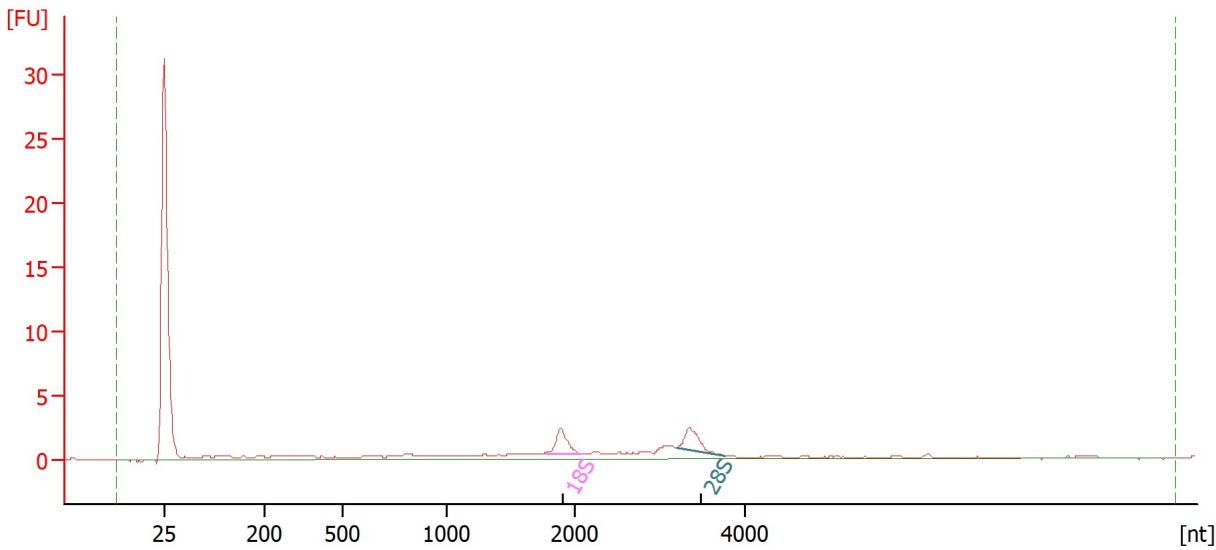


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary Continued ...**

5 [ QC0649 ]



**Overall Results for sample 5 : 5**

RNA Area: 33.0                      RNA Integrity Number (RIN): 7.5 (B.02.10)  
RNA Concentration: 7 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.1              Result Flagging Label: RIN: 7.50

**Fragment table for sample 5 : 5**

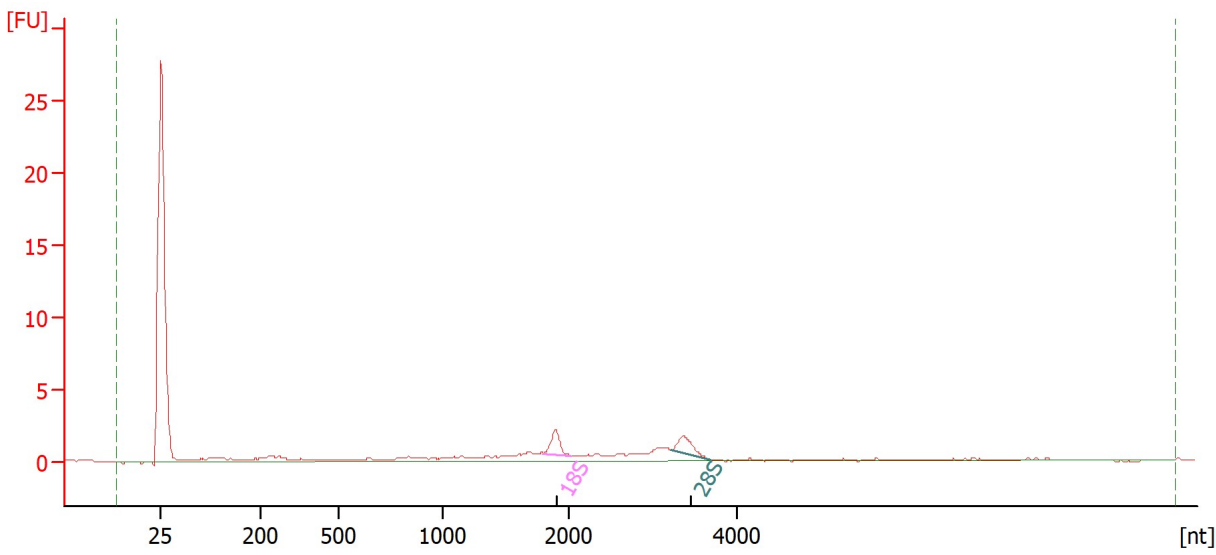
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,774	2,061	2.9	8.9
28S	3,198	3,766	3.2	9.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary Continued ...**

6 [ QC0649 ]



**Overall Results for sample 6 : 6**

RNA Area: 27.8                      RNA Integrity Number (RIN): 6.9 (B.02.10)  
RNA Concentration: 6 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.0              Result Flagging Label: RIN: 6.90

**Fragment table for sample 6 : 6**

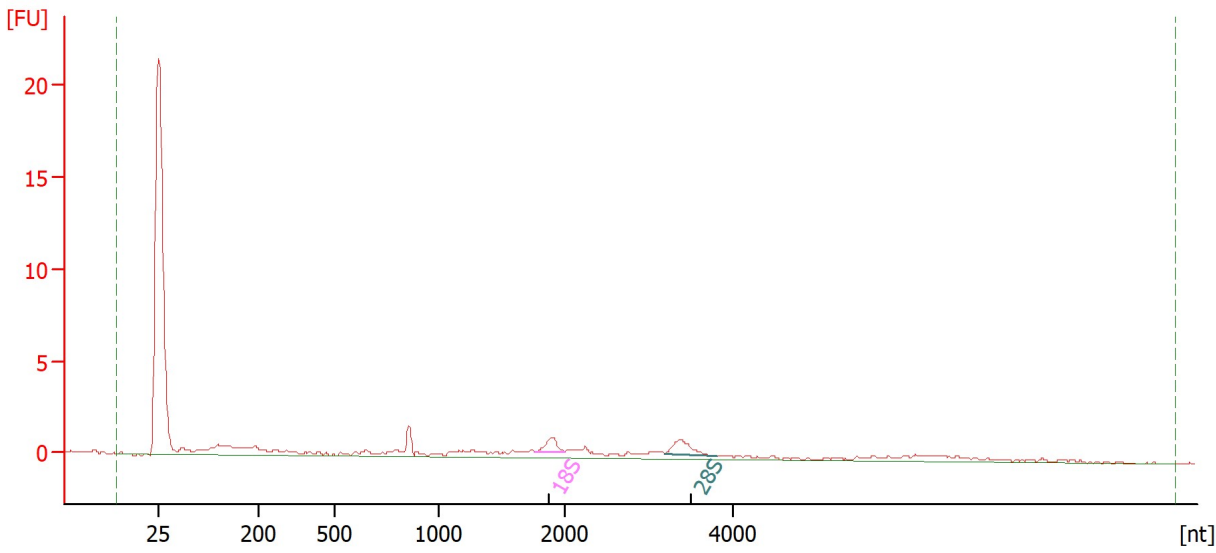
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,795	2,019	2.1	7.4
28S	3,202	3,685	2.1	7.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary Continued ...**

7 [ QC0649 ]



**Overall Results for sample 7 : 7**

RNA Area: 24.4                      RNA Integrity Number (RIN): 4.9 (B.02.10)  
RNA Concentration: 5 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6              Result Flagging Label: RIN: 4.90

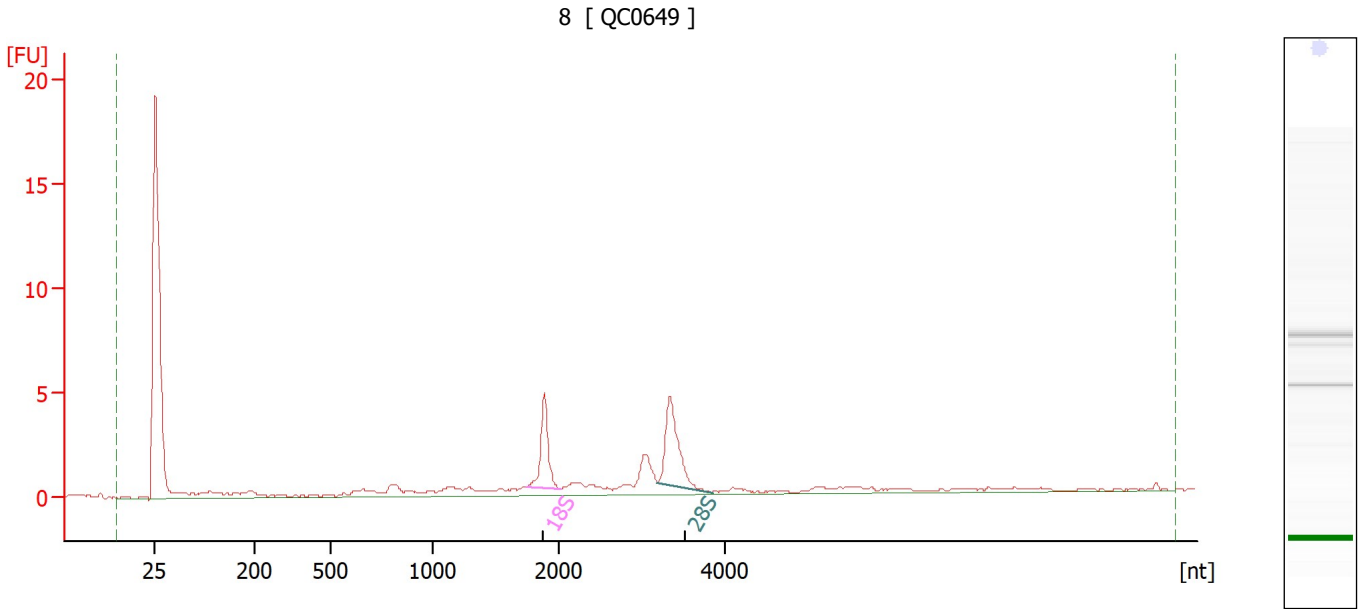
**Fragment table for sample 7 : 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	1,994	1.0	4.3
28S	3,192	3,818	1.6	6.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 8**

RNA Area:	34.9	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	8 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:9

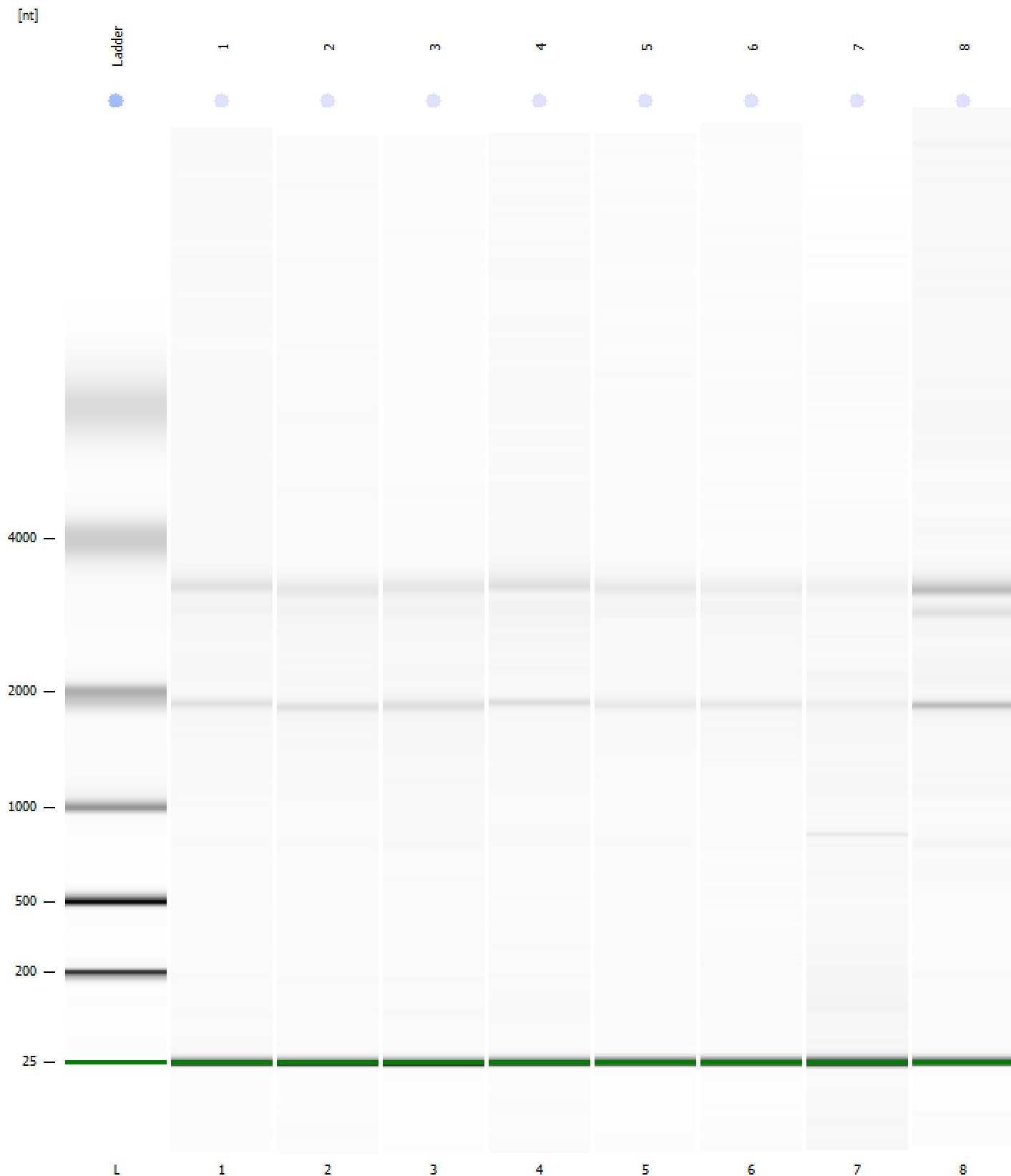
**Fragment table for sample 8 : 8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,737	2,012	4.7	13.6
28S	3,183	3,839	6.5	18.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
Modified: 9/1/2020 12:41:44 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-08-28\QC0649.xad

Created: 8/28/2020 4:07:19 PM  
 Modified: 9/1/2020 12:41:44 PM

### Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		8/28/2020 4:30:14 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-28\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-08-28_001.xad)		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/28/2020 4:07:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB