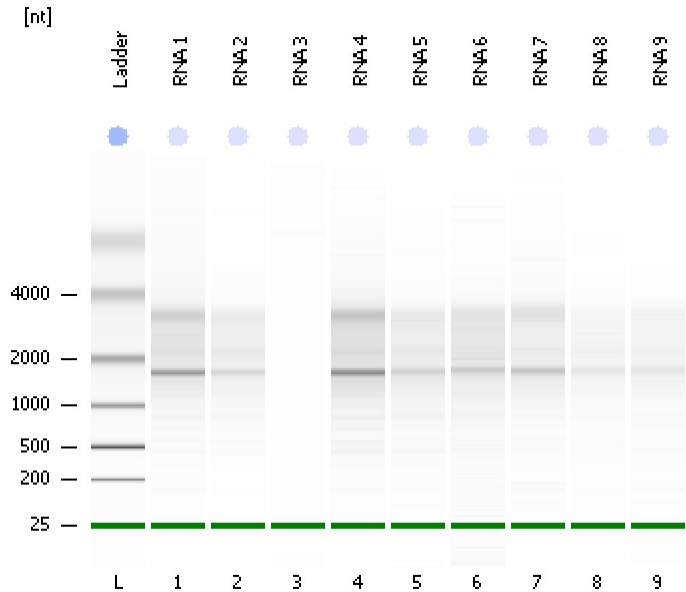


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

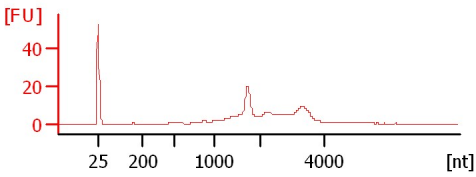
Assay Information:

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.

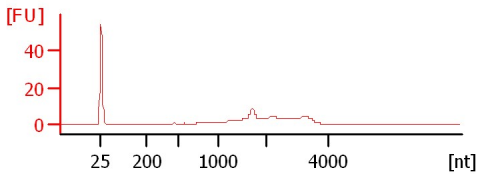
Chip Information:

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

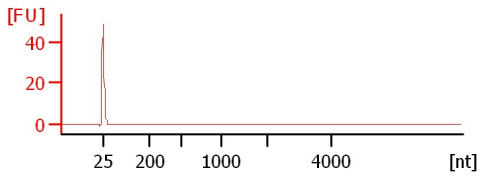
**RNA 1**  
RIN: 8.50



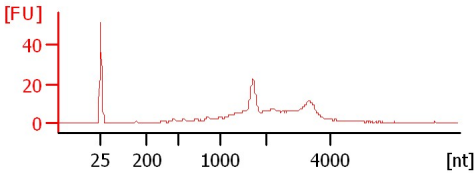
**RNA 2**  
RIN: 7



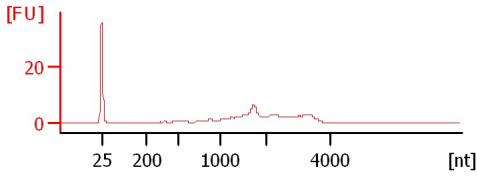
**RNA 3**  
RIN: 6.70



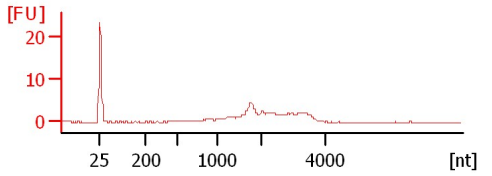
**RNA 4**  
RIN: 7.90



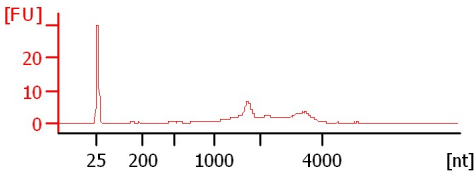
**RNA 5**  
RIN: 5.20



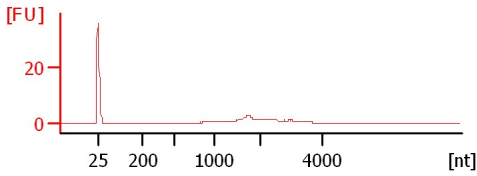
**RNA 6**  
RIN: 4.40



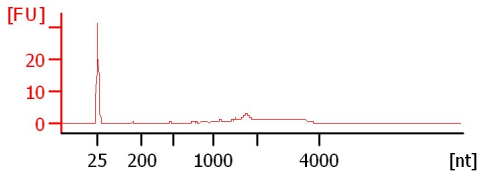
**RNA 7**  
RIN: 7.10



**RNA 8**  
RIN: 4.80



**RNA 9**  
RIN: 4.40



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
 Modified: 7/20/2018 4:58:24 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
RNA 1		✓	RIN: 8.50	
RNA 2		✓	RIN:7	
RNA 3		✓	RIN: 6.70	
RNA 4		✓	RIN: 7.90	
RNA 5		✓	RIN: 5.20	
RNA 6		✓	RIN: 4.40	
RNA 7		✓	RIN: 7.10	
RNA 8		✓	RIN: 4.80	
RNA 9		✓	RIN: 4.40	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 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

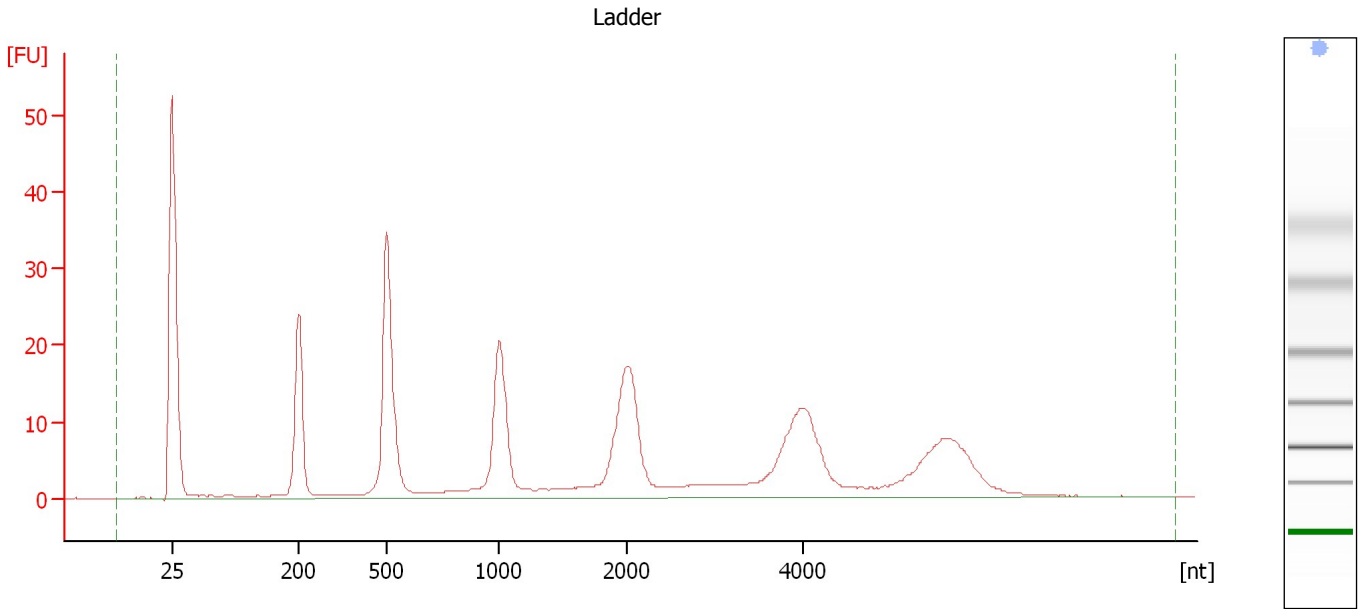
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary**



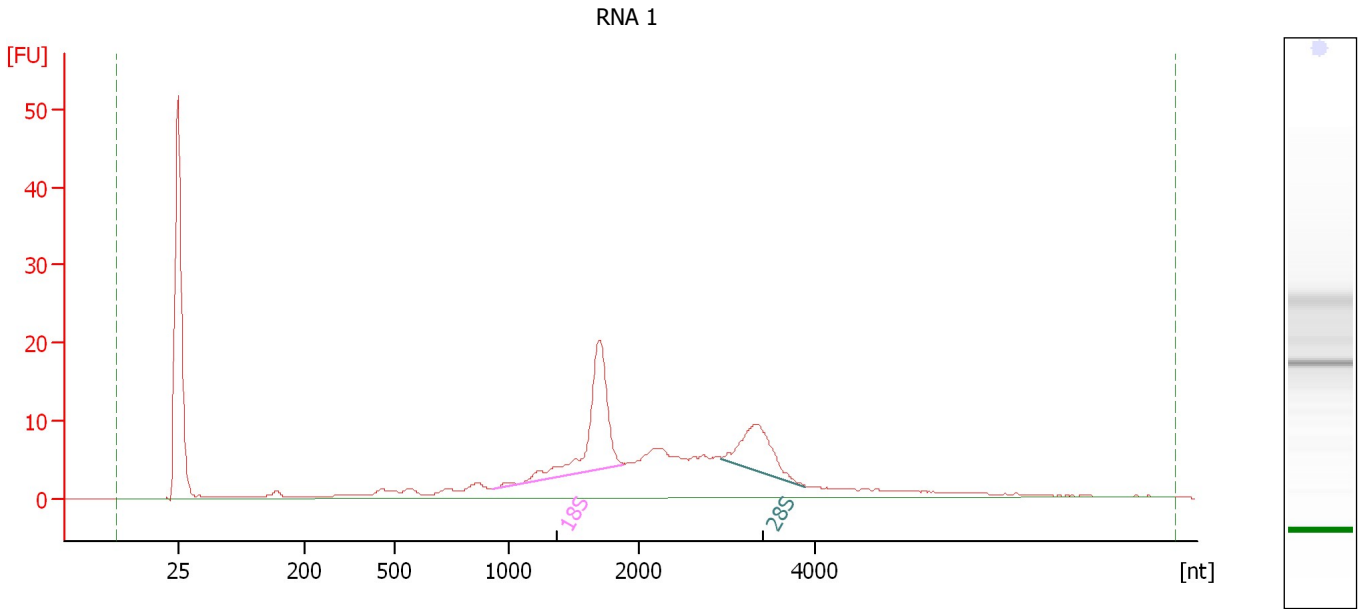
**Overall Results for Ladder**

RNA Area:	316.7	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: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : RNA 1**

RNA Area:	226.4	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	715 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]:	0.5	Result Flagging Label:	RIN: 8.50

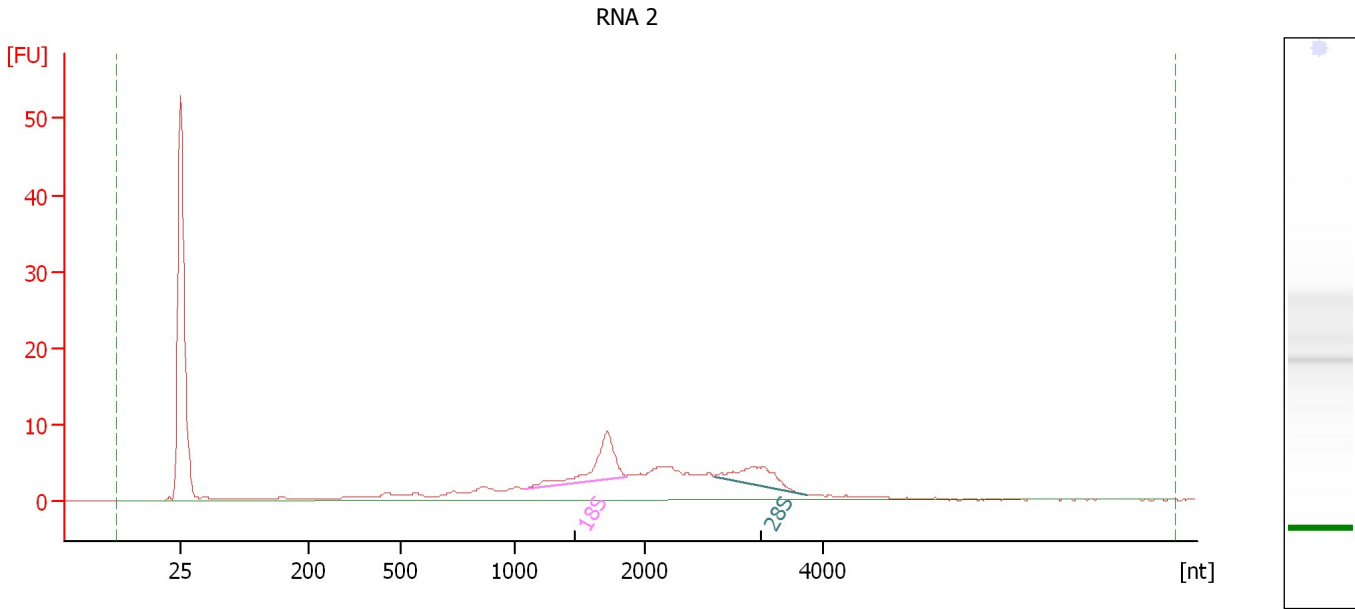
**Fragment table for sample 1 : RNA 1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	927	1,886	40.7	18.0
28S	2,942	3,883	19.2	8.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : RNA 2**

RNA Area:	136.4	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	431 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]:	0.6	Result Flagging Label:	RIN:7

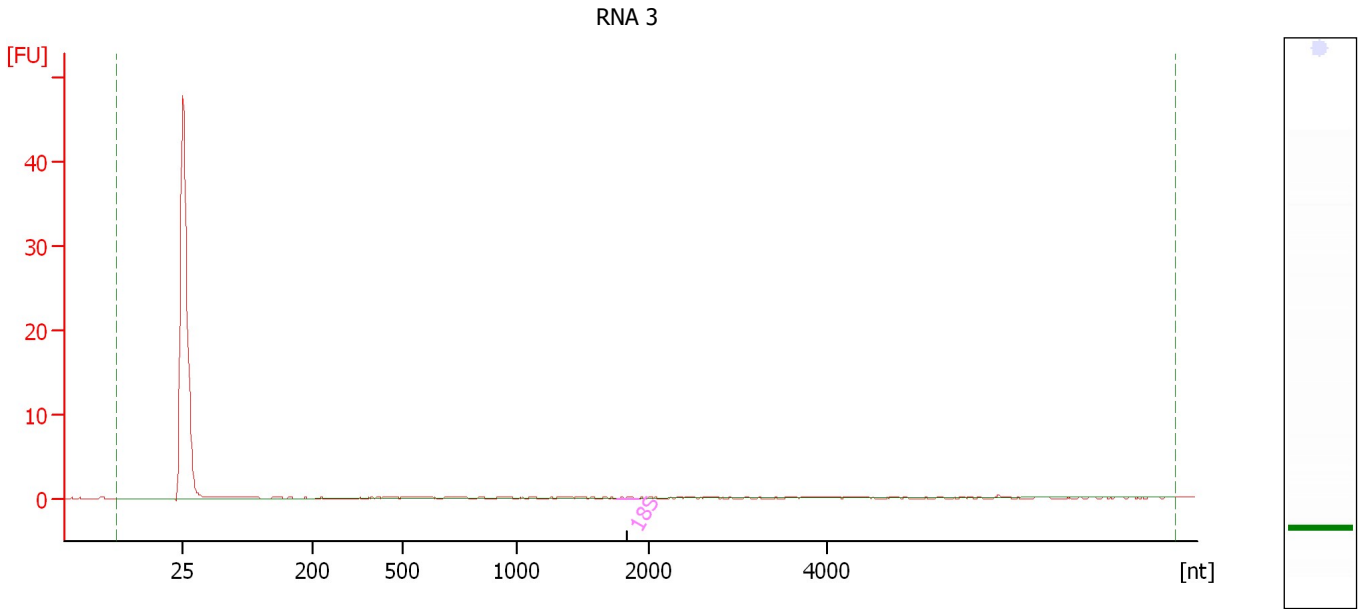
**Fragment table for sample 2 : RNA 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,077	1,863	15.7	11.5
28S	2,782	3,812	10.2	7.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : RNA 3**

RNA Area:	6.6	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	21 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]:	0.0	Result Flagging Label:	RIN: 6.70

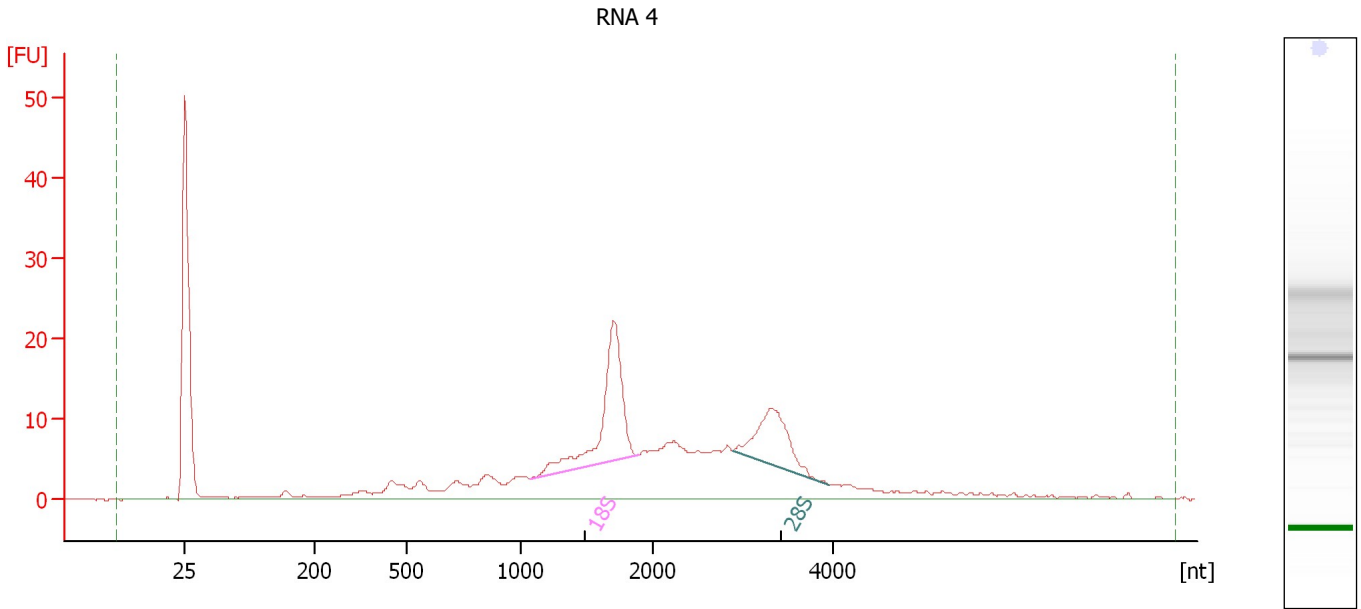
**Fragment table for sample 3 : RNA 3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	1,921	0.2	2.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : RNA 4**

RNA Area:	280.4	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	885 µg/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]:	0.6	Result Flagging Label:	RIN: 7.90

**Fragment table for sample 4 : RNA 4**

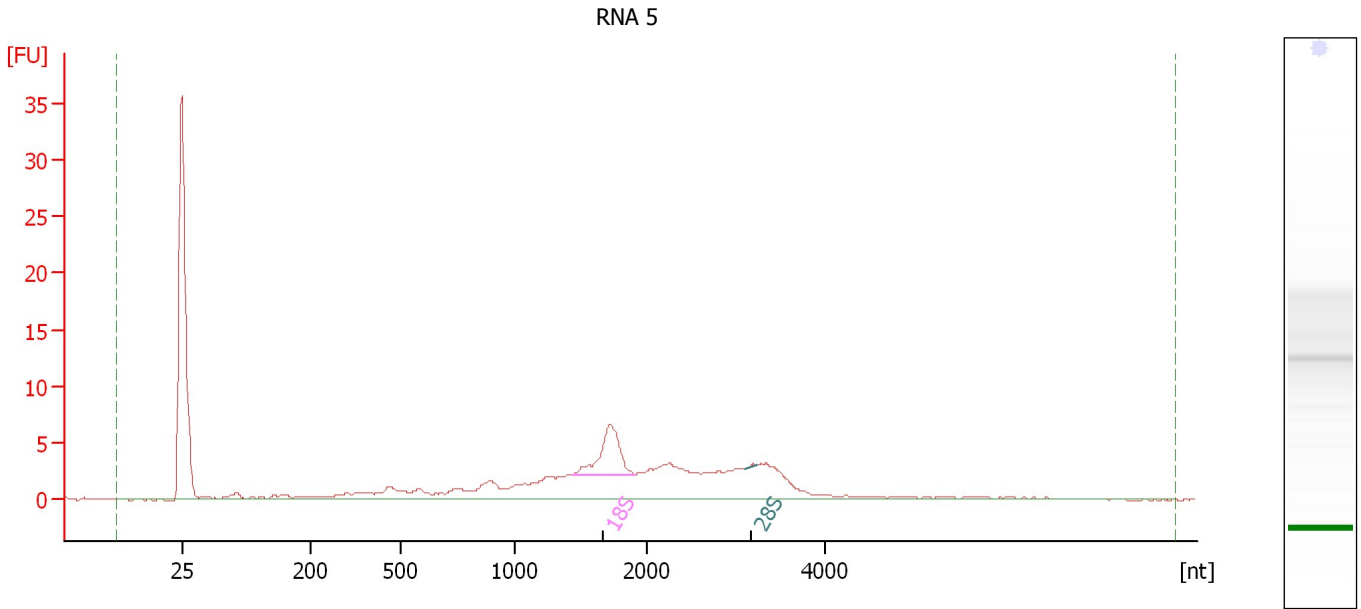
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,070	1,889	43.8	15.6
28S	2,883	3,952	24.3	8.7



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : RNA 5**

RNA Area:	105.6	RNA Integrity Number (RIN):	5.2 (B.02.08)
RNA Concentration:	333 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]:	0.0	Result Flagging Label:	RIN: 5.20

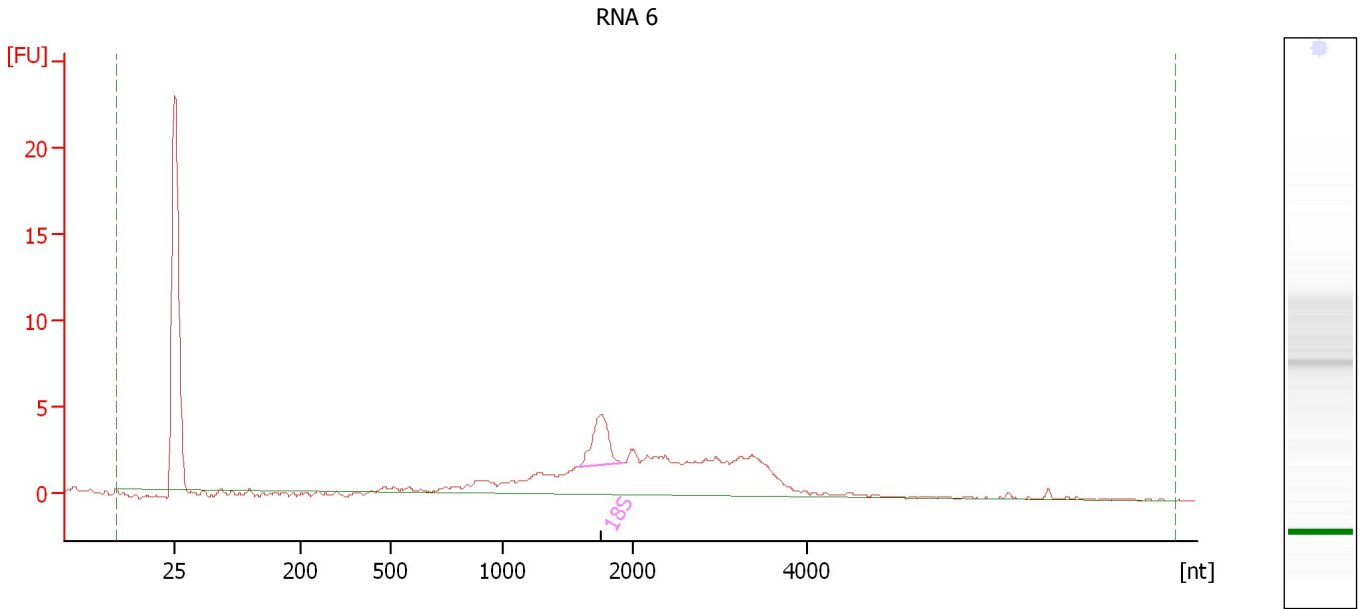
**Fragment table for sample 5 : RNA 5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,430	1,912	10.8	10.2
28S	3,103	3,234	0.2	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
 Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : RNA 6**

RNA Area:	63.4	RNA Integrity Number (RIN):	4.4 (B.02.08)
RNA Concentration:	200 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]:	0.0	Result Flagging Label:	RIN: 4.40

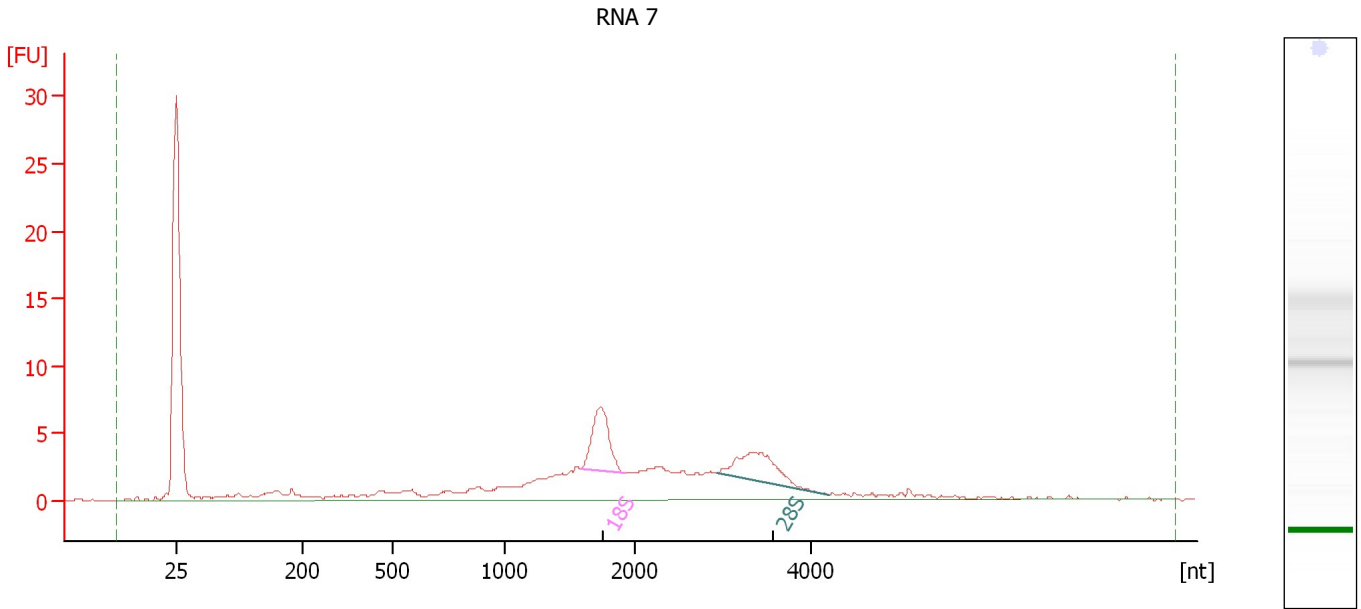
**Fragment table for sample 6 : RNA 6**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,934	6.2	9.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
 Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : RNA 7**

RNA Area:	102.7	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	324 µg/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]:	0.9	Result Flagging Label:	RIN: 7.10

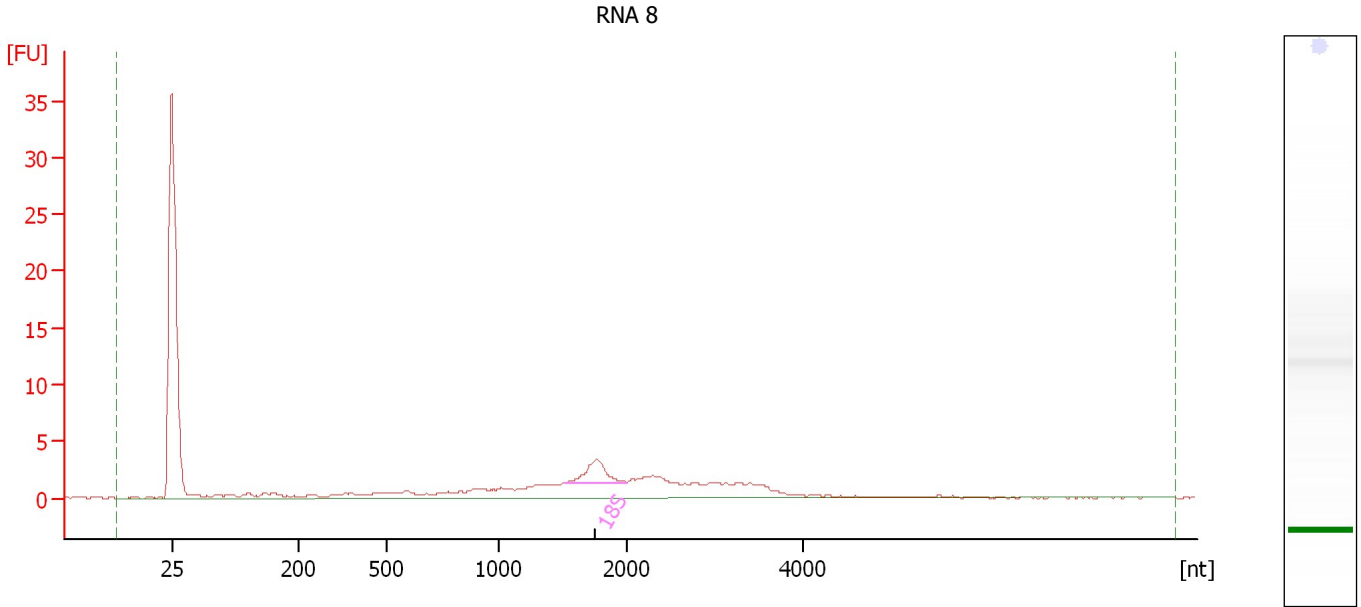
**Fragment table for sample 7 : RNA 7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,934	10.3	10.1
28S	2,946	4,205	9.6	9.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
 Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : RNA 8**

RNA Area:	62.5	RNA Integrity Number (RIN):	4.8 (B.02.08)
RNA Concentration:	197 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]:	0.0	Result Flagging Label:	RIN: 4.80

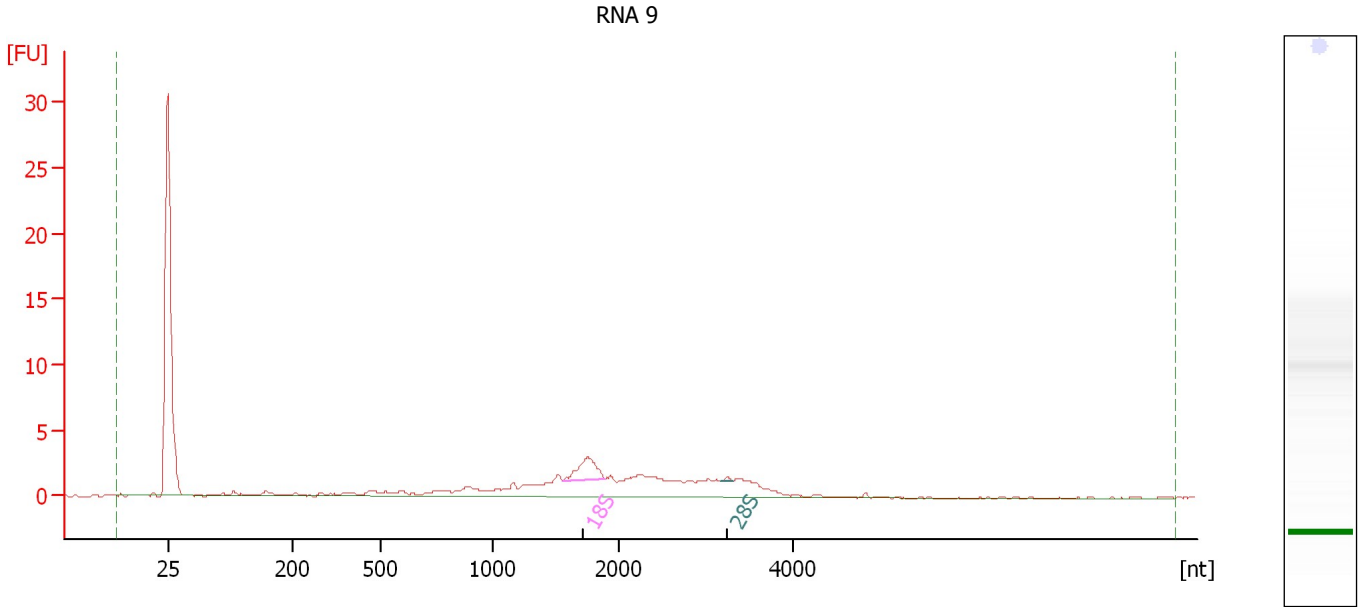
**Fragment table for sample 8 : RNA 8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,508	1,991	5.3	8.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
 Modified: 7/20/2018 4:58:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : RNA 9**

RNA Area:	49.6	RNA Integrity Number (RIN):	4.4 (B.02.08)
RNA Concentration:	157 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]:	0.0	Result Flagging Label:	RIN: 4.40

**Fragment table for sample 9 : RNA 9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,889	4.2	8.4
28S	3,167	3,302	0.2	0.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...alyzer\2100 expert\data\2018-07-20\2018-07-20\_001\_QC309.xad

Created: 7/20/2018 3:19:14 PM  
Modified: 7/20/2018 4:58:24 PM

**Gel Image**

