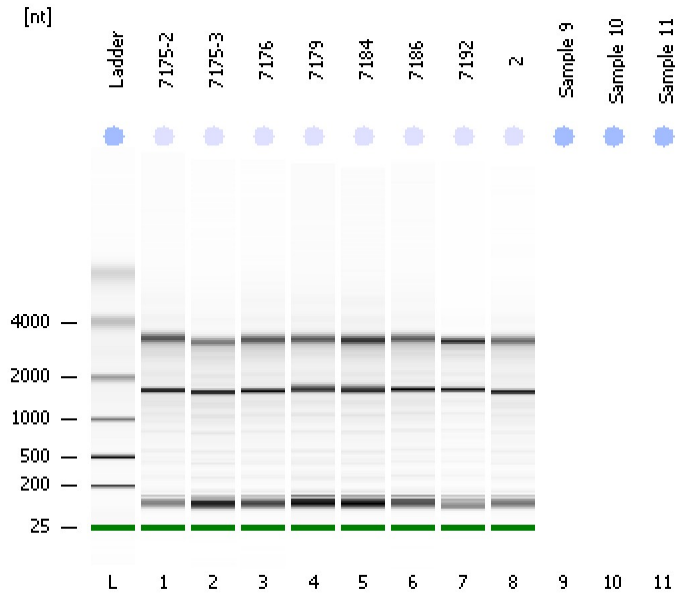


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

Electrophoresis File Run Summary



Instrument Information:

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

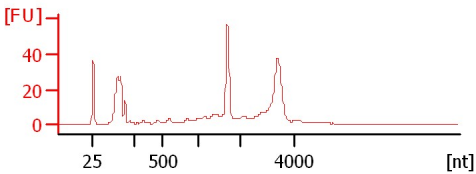
Assay Information:

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.

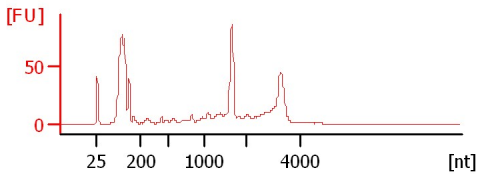
Chip Information:

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

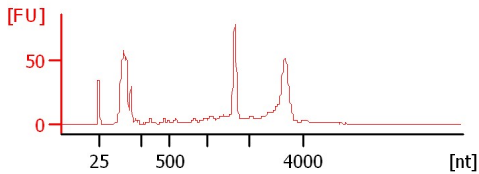
**7175-2**  
RIN: 8.40



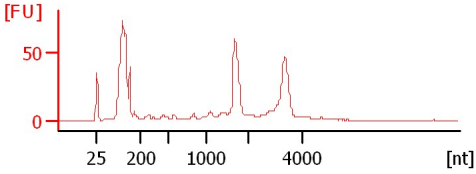
**7175-3**  
RIN: 7.60



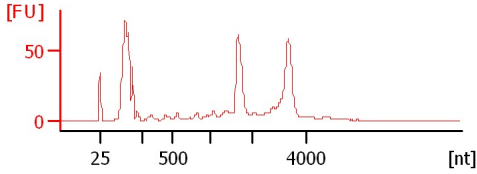
**7176**  
RIN: 8.30



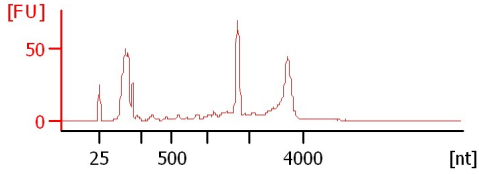
**7179**  
RIN: 8.30



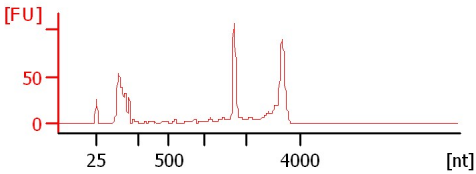
**7184**  
RIN: 8.50



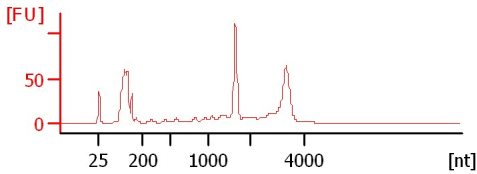
**7186**  
RIN: 8



**7192**  
RIN: 8.70



**2**  
RIN: 8.10



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
 Modified: 2/5/2019 2:19:10 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
7175-2		✓	RIN: 8.40	
7175-3		✓	RIN: 7.60	
7176		✓	RIN: 8.30	
7179		✓	RIN: 8.30	
7184		✓	RIN: 8.50	
7186		✓	RIN:8	
7192		✓	RIN: 8.70	
2		✓	RIN: 8.10	
Sample 9				
Sample 10				
Sample 11				
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\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 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

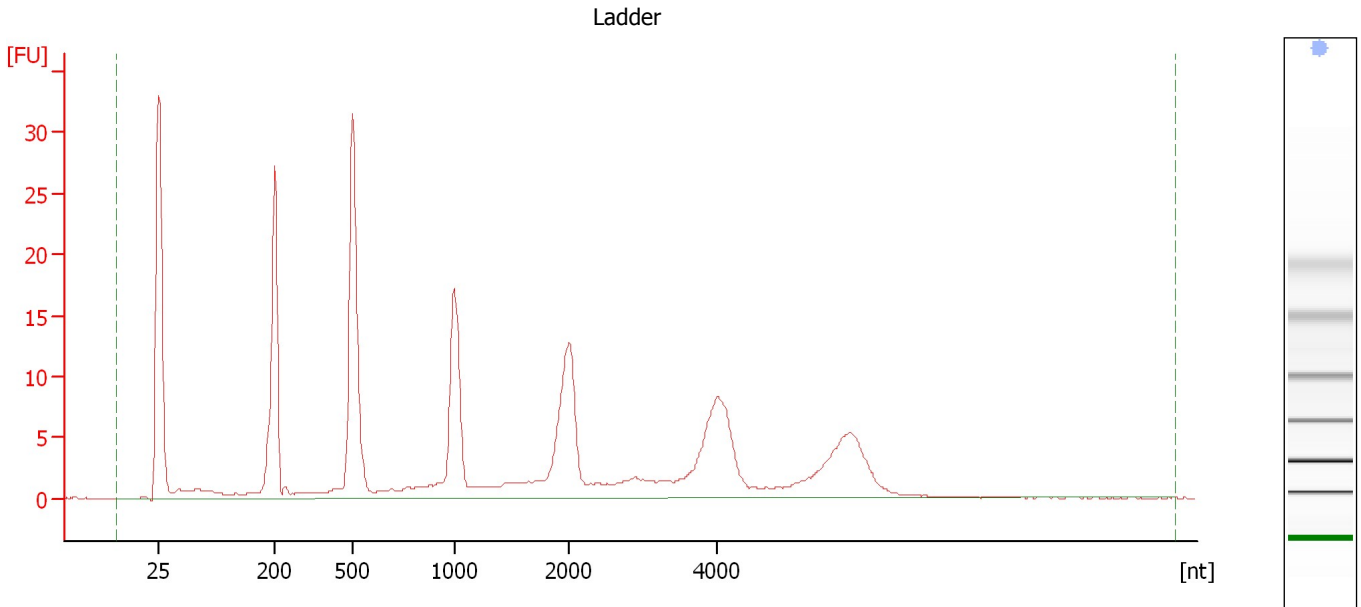
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary**



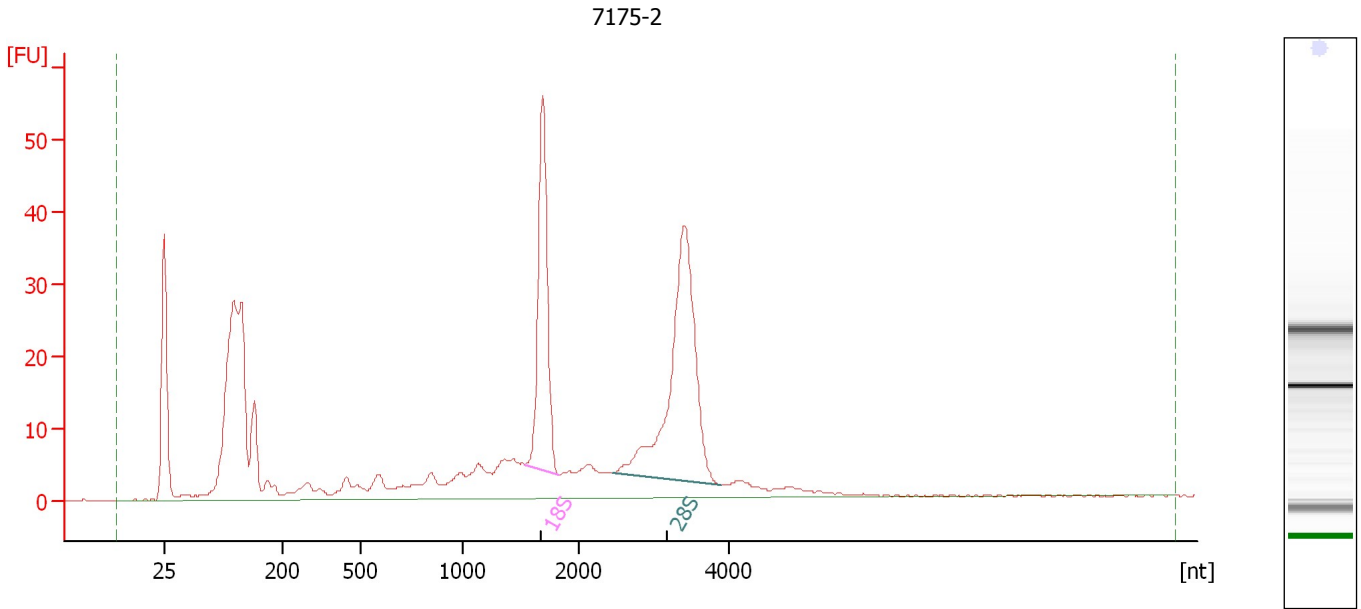
**Overall Results for Ladder**

RNA Area:	235.7	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:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 7175-2**

RNA Area:	476.2	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	2,020 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]:	1.6	Result Flagging Label:	RIN: 8.40

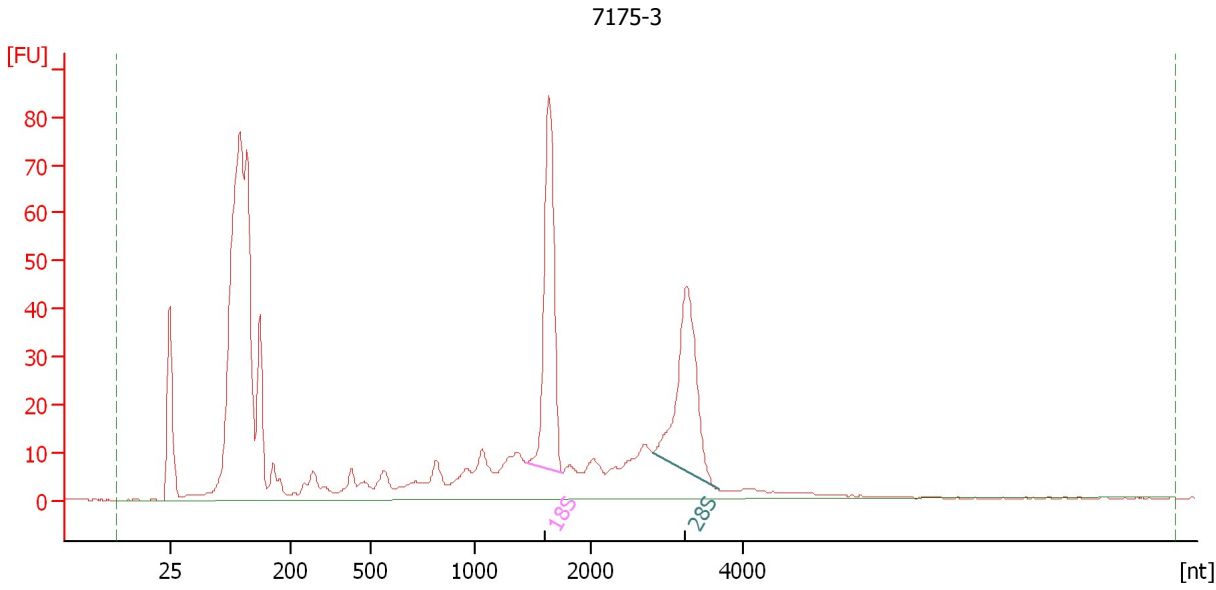
**Fragment table for sample 1 : 7175-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,533	1,829	67.0	14.1
28S	2,448	3,899	105.0	22.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 7175-3**

RNA Area:	875.6	RNA Integrity Number (RIN):	7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,715 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]:	0.8	Result Flagging Label:	RIN: 7.60

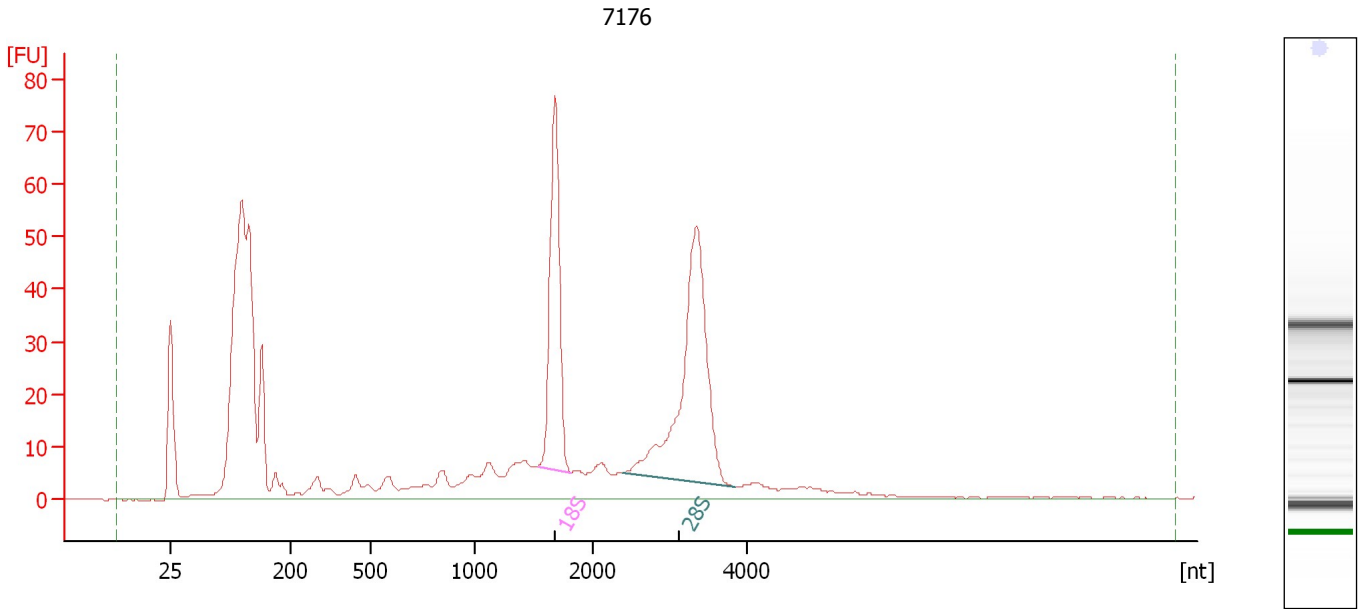
**Fragment table for sample 2 : 7175-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	1,755	102.5	11.7
28S	2,801	3,671	87.1	10.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 7176**

RNA Area:	745.3	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	3,162 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]:	1.6	Result Flagging Label:	RIN: 8.30

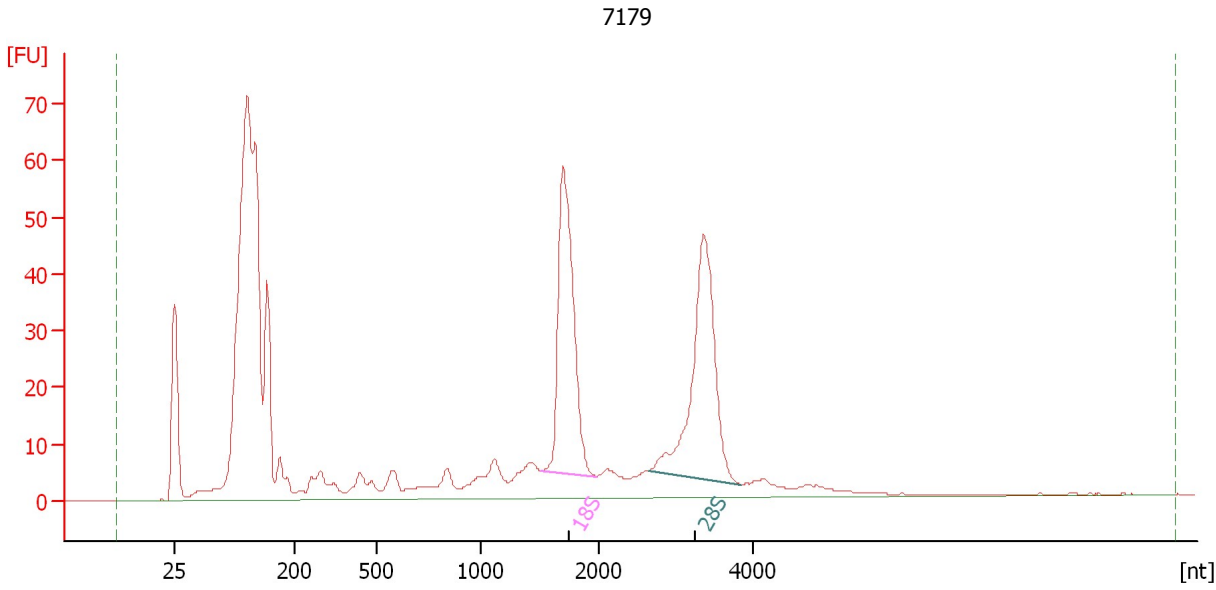
**Fragment table for sample 3 : 7176**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,529	1,811	91.2	12.2
28S	2,381	3,865	142.2	19.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
 Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 7179**

RNA Area:	788.3	RNA Integrity Number (RIN):	8.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,344 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]:	1.0	Result Flagging Label:	RIN: 8.30

**Fragment table for sample 4 : 7179**

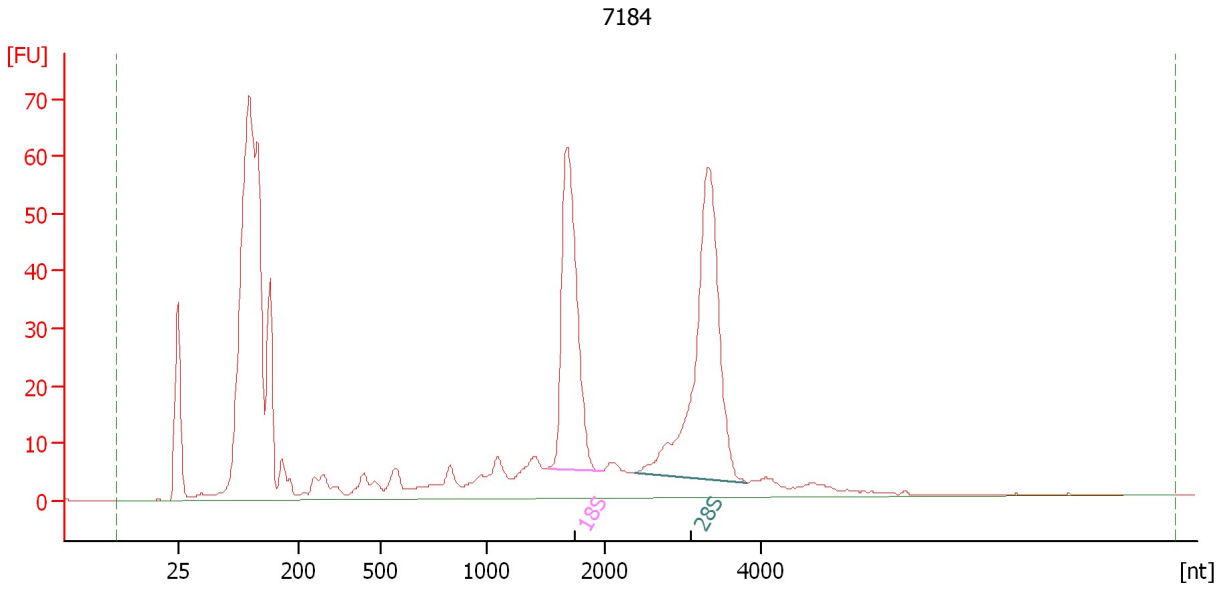
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,508	1,978	109.4	13.9
28S	2,633	3,843	112.2	14.2



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 7184**

RNA Area:	833.0	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	3,534 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: 8.50

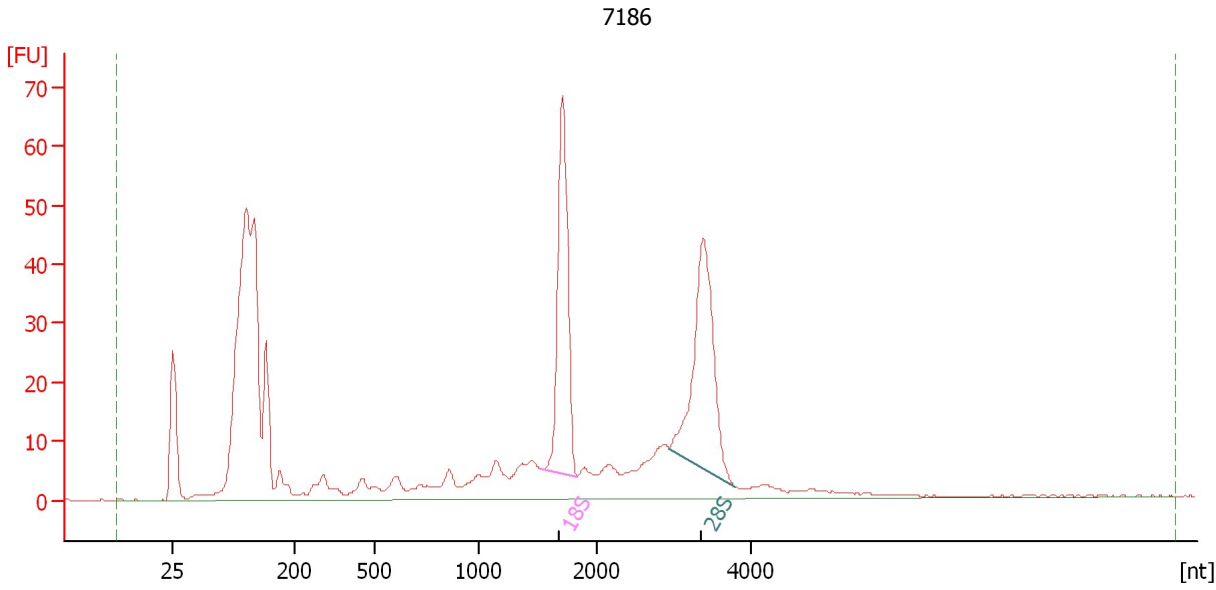
**Fragment table for sample 5 : 7184**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,972	112.3	13.5
28S	2,371	3,835	151.5	18.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 7186**

RNA Area:	649.7	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	2,756 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]:	1.0	Result Flagging Label:	RIN:8

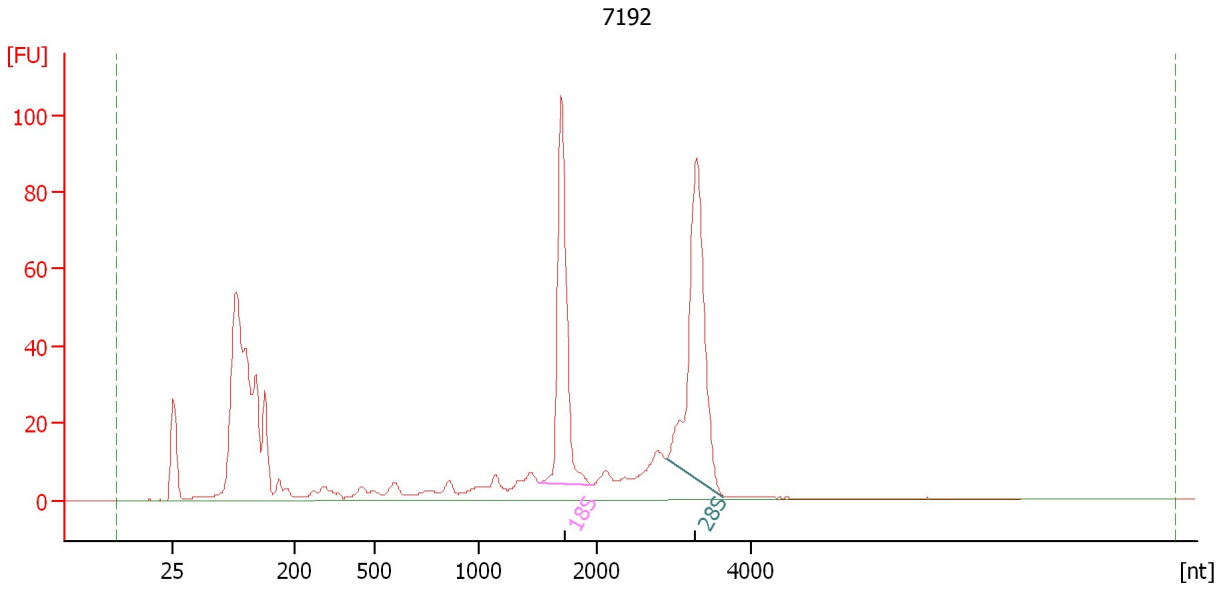
**Fragment table for sample 6 : 7186**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,524	1,832	85.4	13.1
28S	2,940	3,790	88.3	13.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 7192**

RNA Area:	758.6	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	3,218 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]:	1.2	Result Flagging Label:	RIN: 8.70

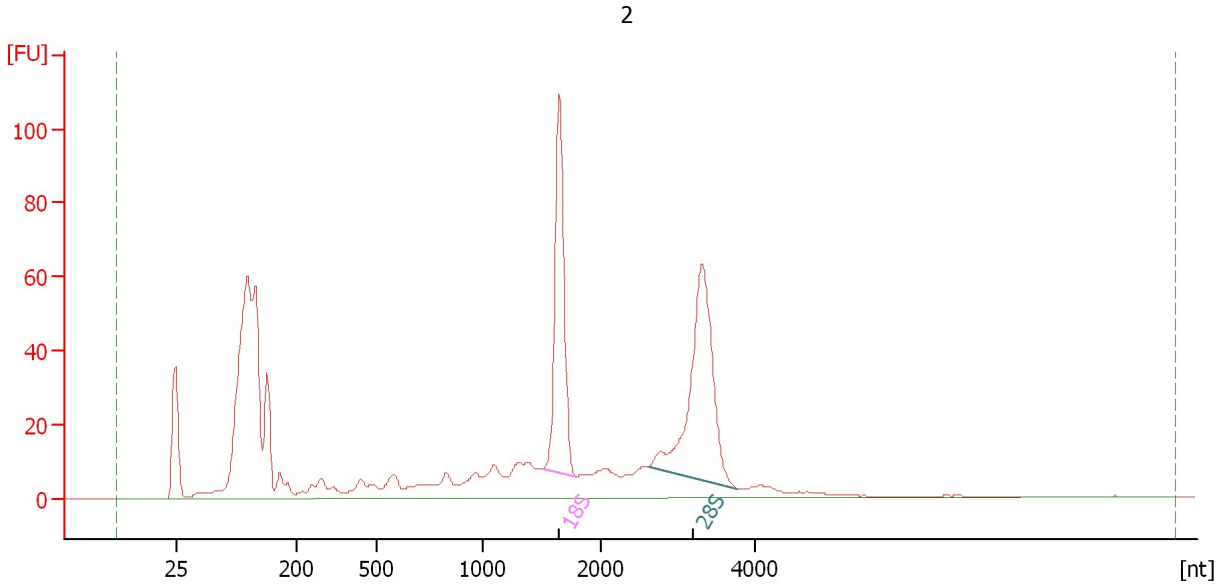
**Fragment table for sample 7 : 7192**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,506	1,968	121.6	16.0
28S	2,898	3,650	149.4	19.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 2**

RNA Area:	885.5	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	3,756 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]:	1.2	Result Flagging Label:	RIN: 8.10

**Fragment table for sample 8 : 2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,501	1,789	127.9	14.4
28S	2,605	3,771	153.2	17.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05\_004.xad

Created: 2/5/2019 1:53:13 PM  
Modified: 2/5/2019 2:19:10 PM

**Gel Image**

