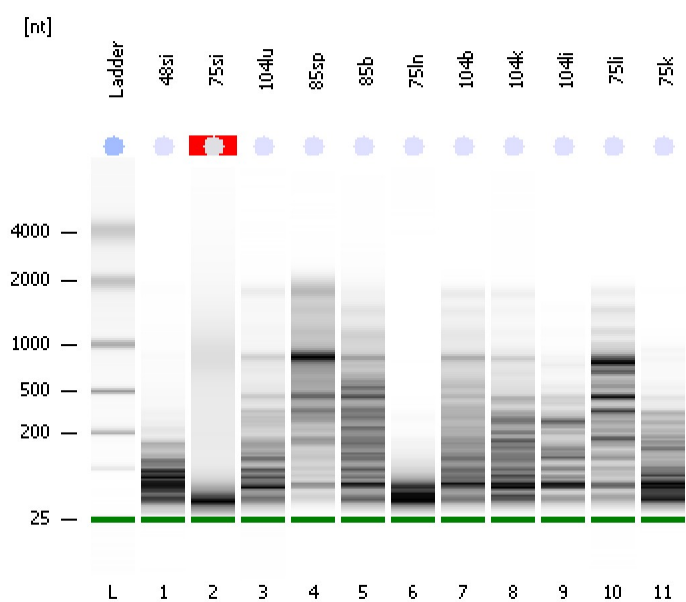


Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
 Modified: 8/22/2017 9:58:07 AM

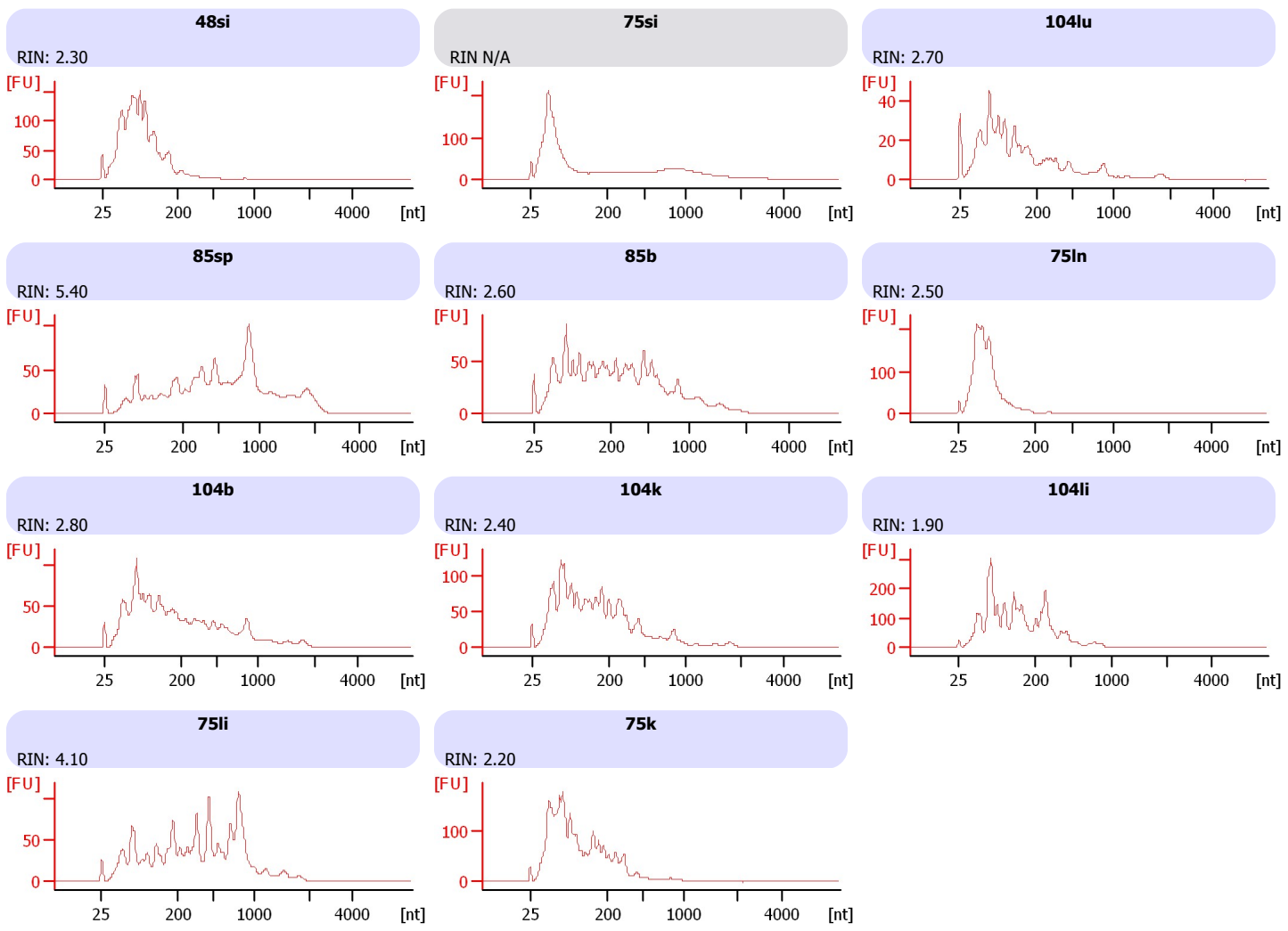
**Electrophoresis File Run Summary**



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 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:



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
 Modified: 8/22/2017 9:58:07 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
48si		✓	RIN: 2.30	
75si		✓	RIN N/A	
104lu		✓	RIN: 2.70	
85sp		✓	RIN: 5.40	
85b		✓	RIN: 2.60	
75ln		✓	RIN: 2.50	
104b		✓	RIN: 2.80	
104k		✓	RIN: 2.40	
104li		✓	RIN: 1.90	
75li		✓	RIN: 4.10	
75k		✓	RIN: 2.20	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**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/μl] : 1000  
Lower Marker Concentration [pg/μl] : 0  
Upper Marker Concentration [pg/μl] : 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

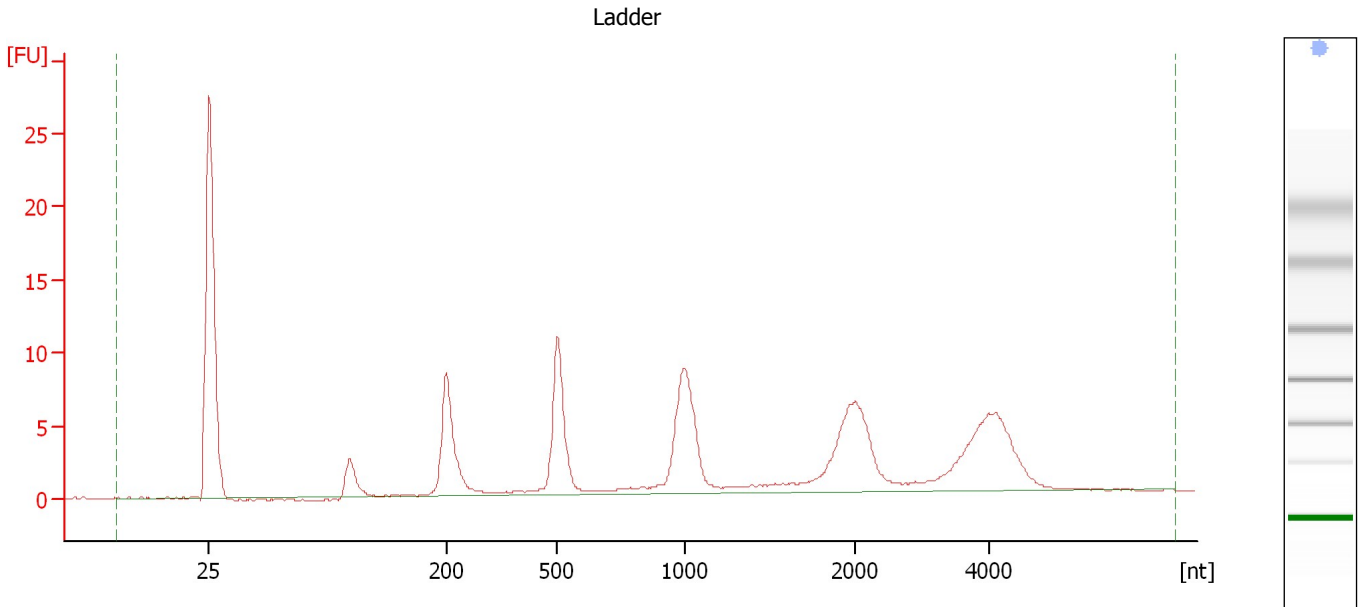
**Ladder**

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\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary**



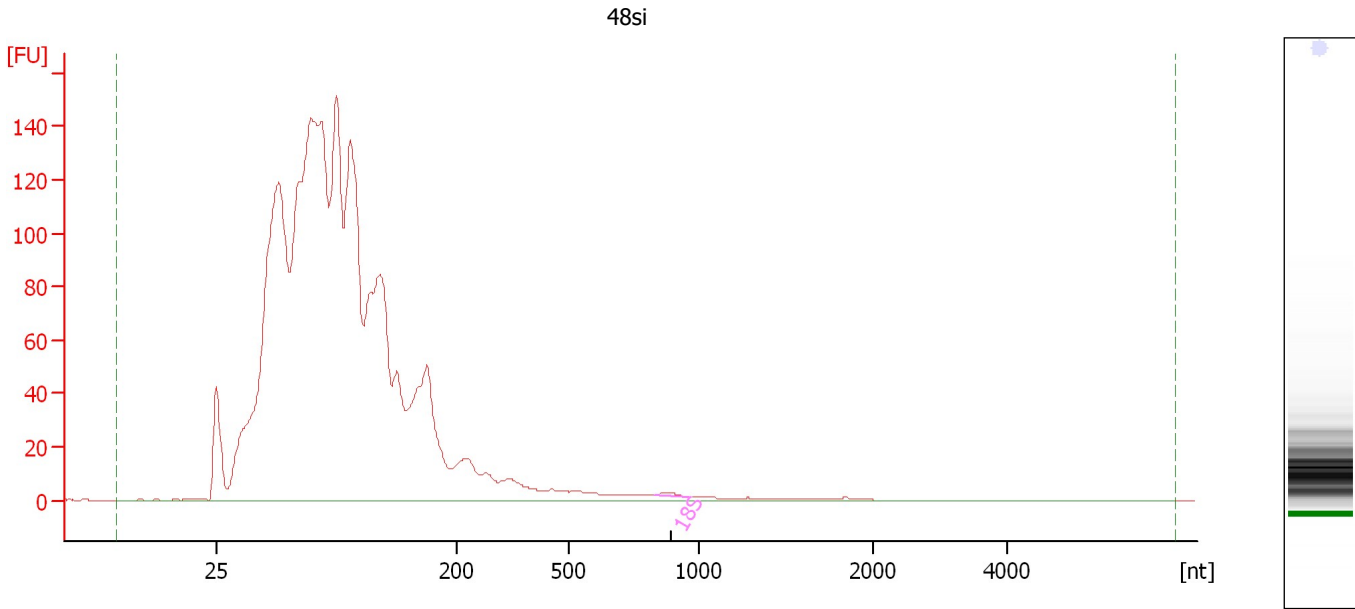
**Overall Results for Ladder**

RNA Area:	114.9	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\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 48si**

RNA Area:	2,830.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	24,642 pg/ $\mu$ l	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: 2.30

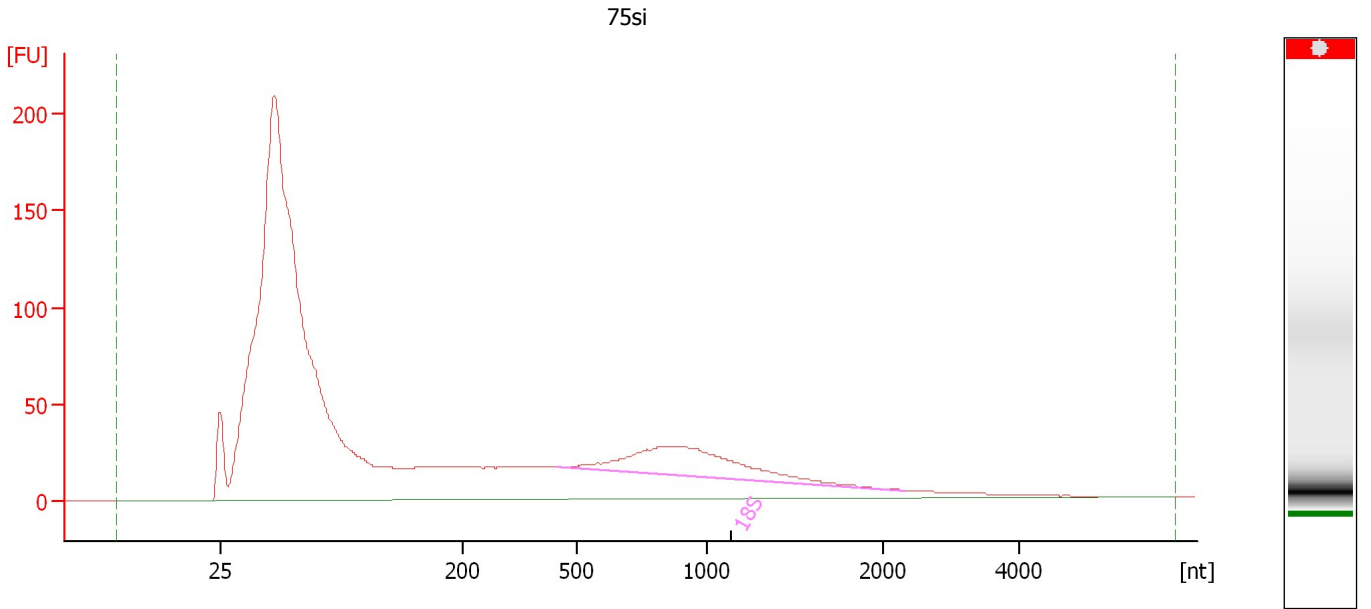
**Fragment table for sample 1 : 48si**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	827	960	2.2	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 75si**

RNA Area:	2,900.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	25,250 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

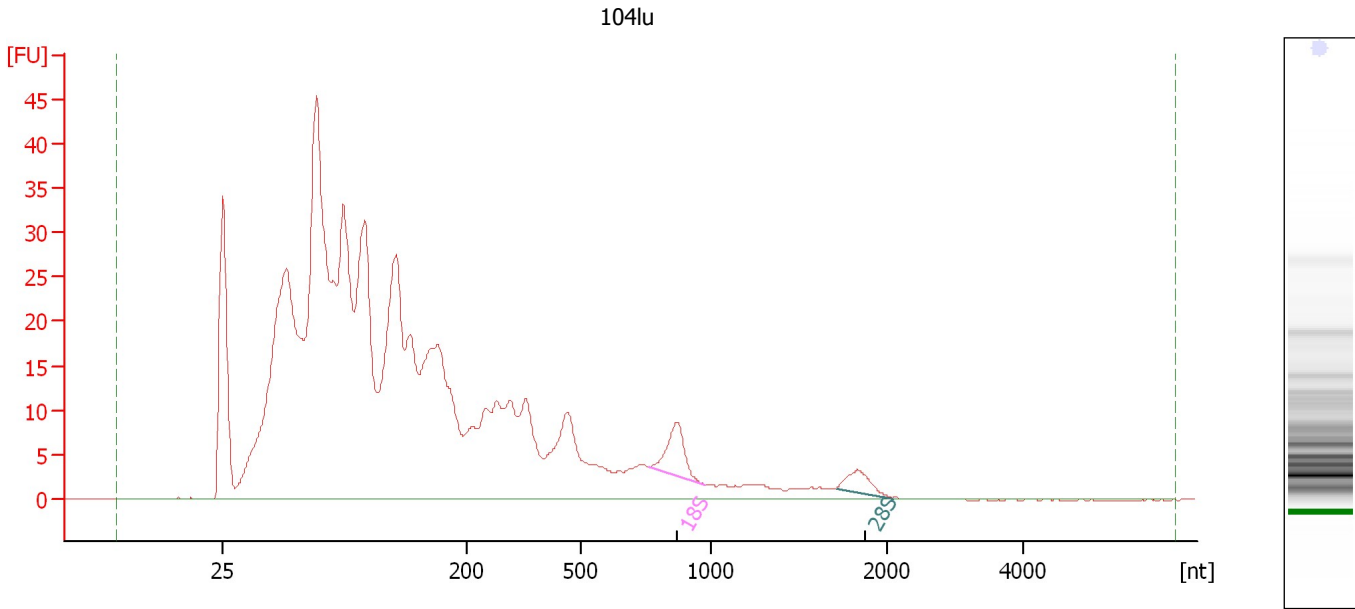
**Fragment table for sample 2 : 75si**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	447	2,328	199.3	6.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 104lu**

RNA Area:	859.9	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	7,486 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]:	0.5	Result Flagging Label:	RIN: 2.70

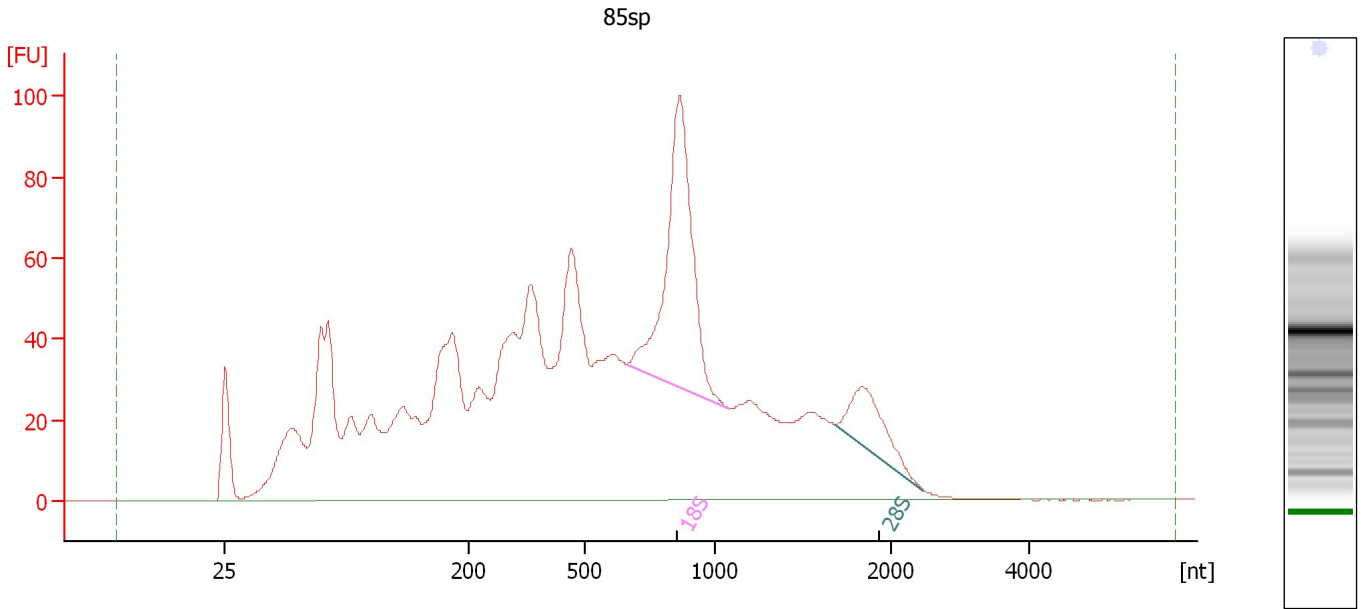
**Fragment table for sample 3 : 104lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	758	974	12.3	1.4
28S	1,710	2,085	5.6	0.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 85sp**

RNA Area:	2,234.6	RNA Integrity Number (RIN):	5.4 (B.02.08)
RNA Concentration:	19,454 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.40

**Fragment table for sample 4 : 85sp**

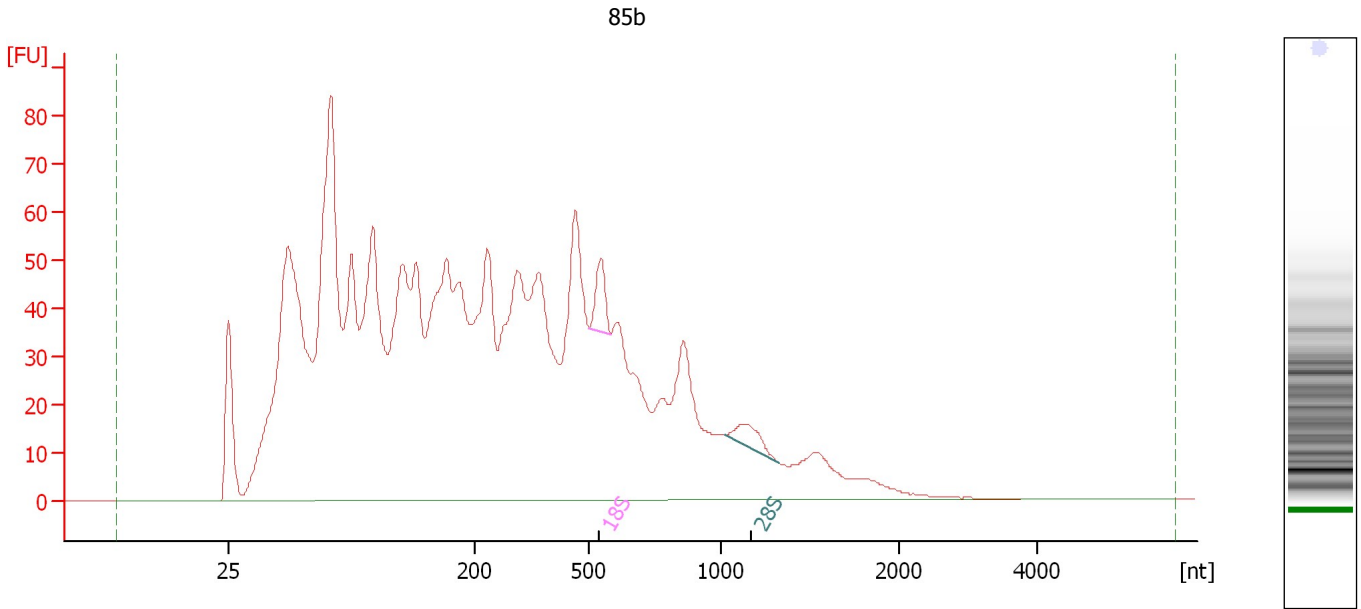
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	661	1,072	216.4	9.7
28S	1,678	2,464	50.1	2.2



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
 Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 85b**

RNA Area:	2,429.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	21,154 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]:	0.7	Result Flagging Label:	RIN: 2.60

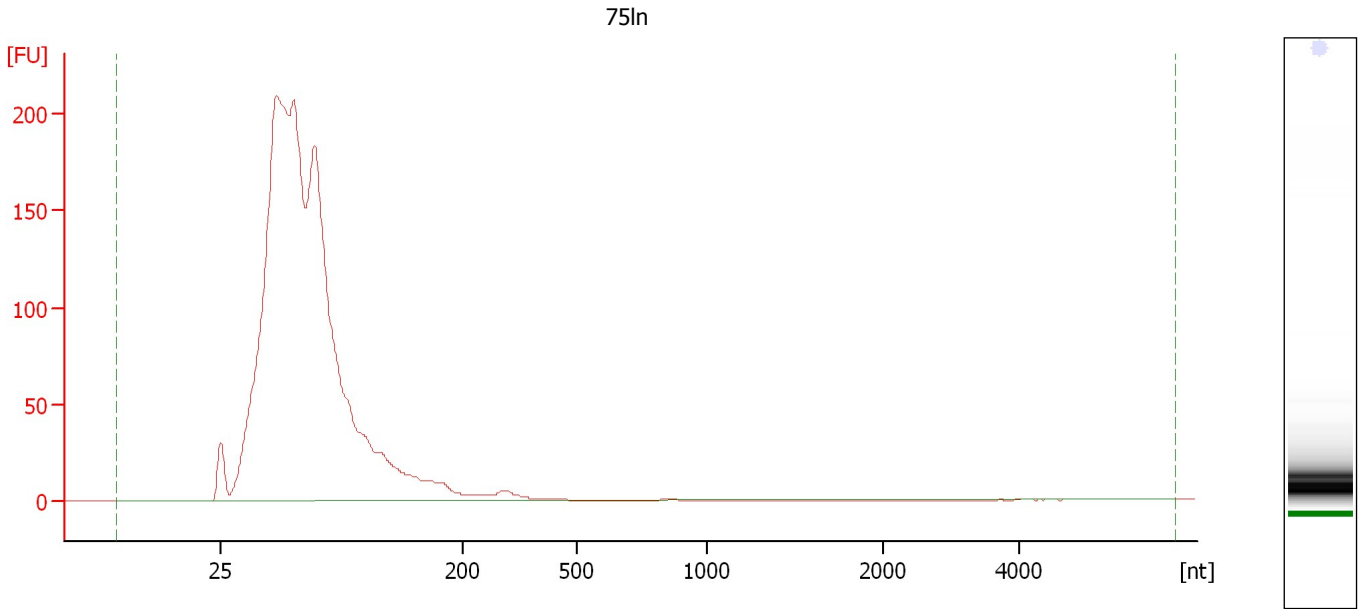
**Fragment table for sample 5 : 85b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	499	579	17.1	0.7
28S	1,019	1,326	12.5	0.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



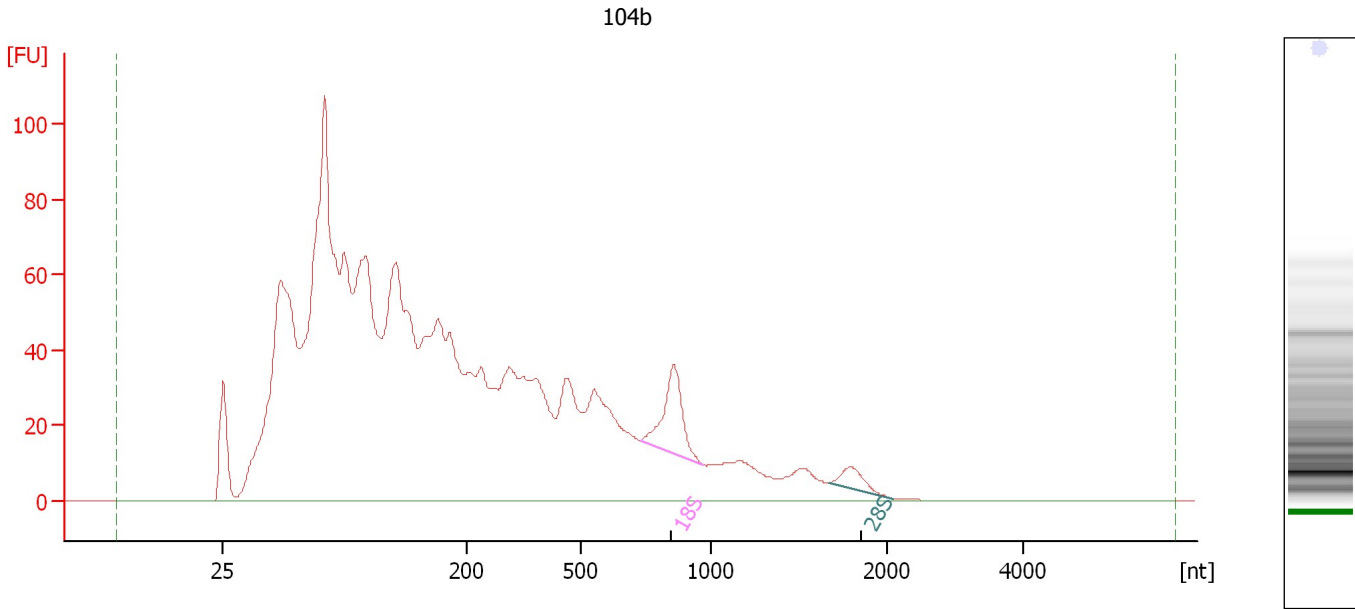
**Overall Results for sample 6 : 75ln**

RNA Area:	2,706.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	23,563 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: 2.50

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 104b**

RNA Area: 2,477.8 RNA Integrity Number (RIN): 2.8 (B.02.08)  
RNA Concentration: 21,572 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 2.80

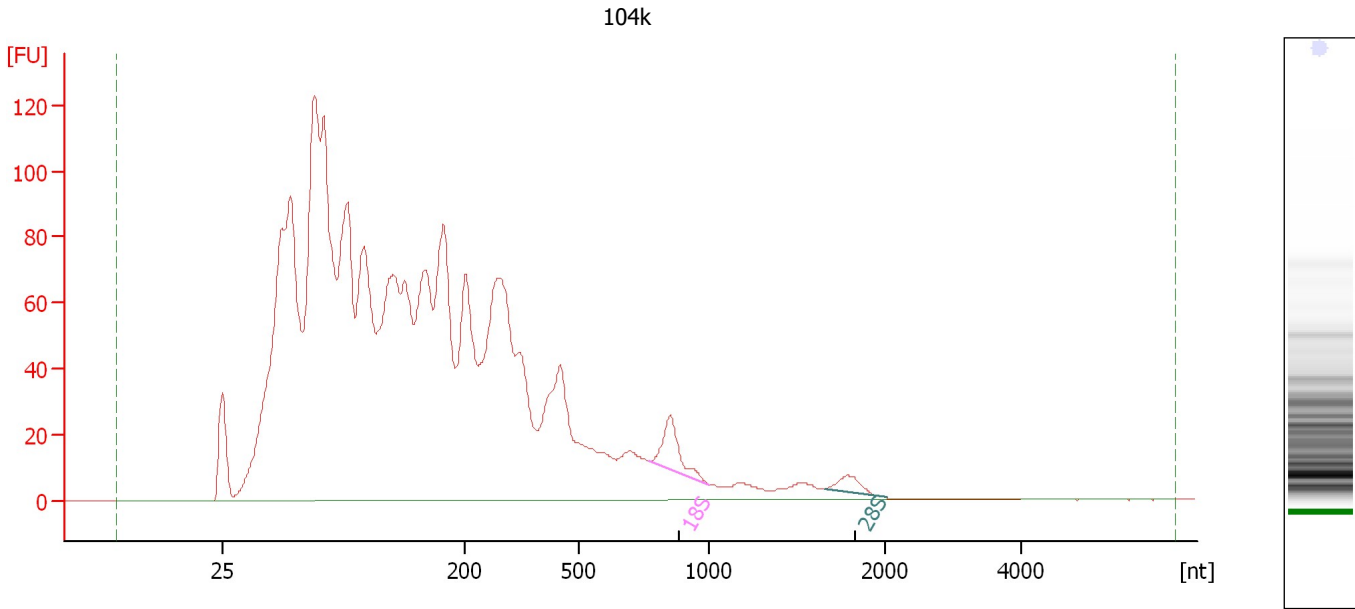
**Fragment table for sample 7 : 104b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	729	966	50.5	2.0
28S	1,674	2,085	12.3	0.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 104k**

RNA Area:	3,020.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	26,294 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]:	0.4	Result Flagging Label:	RIN: 2.40

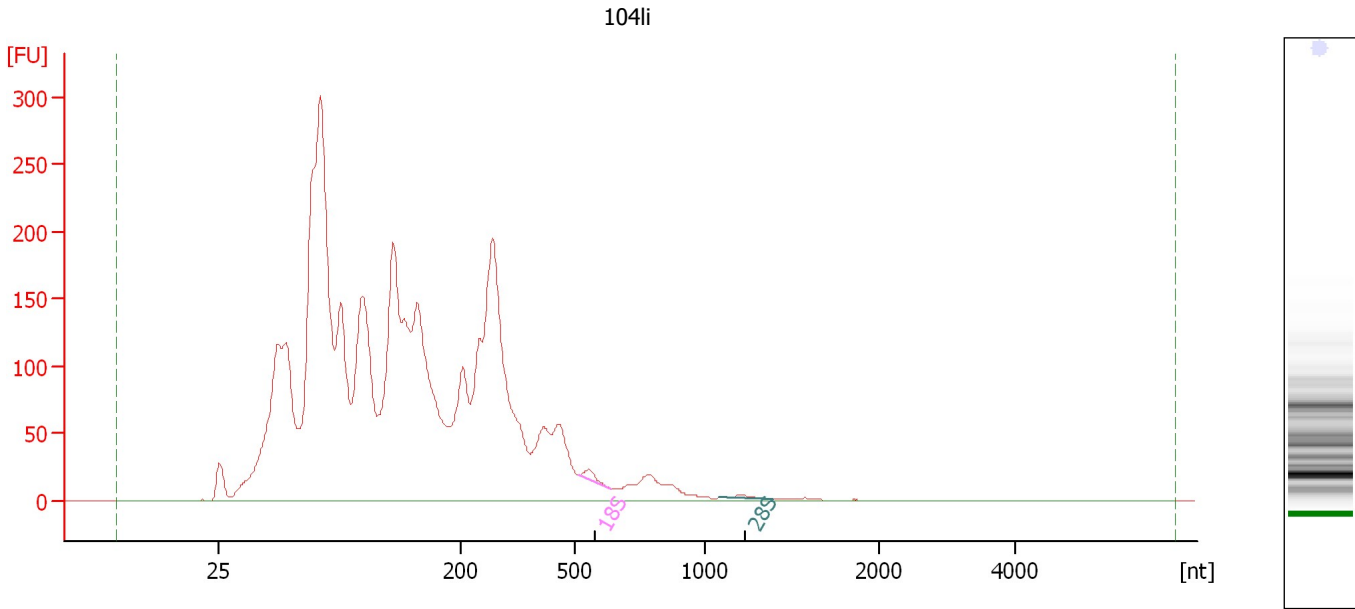
**Fragment table for sample 8 : 104k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	769	999	31.3	1.0
28S	1,657	2,027	11.4	0.4

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
 Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 104li**

RNA Area:	4,931.6	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	42,933 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: 1.90

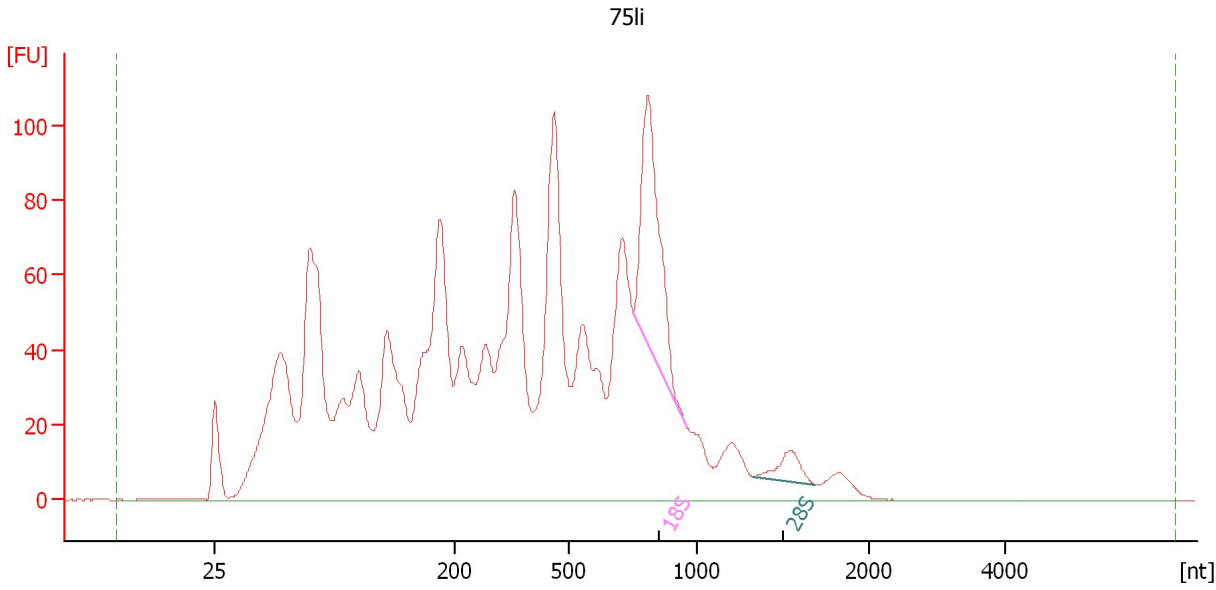
**Fragment table for sample 9 : 104li**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	517	636	9.7	0.2
28S	1,077	1,383	4.9	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 75li**

RNA Area:	2,525.9	RNA Integrity Number (RIN):	4.1 (B.02.08)
RNA Concentration:	21,990 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]:	0.1	Result Flagging Label:	RIN: 4.10

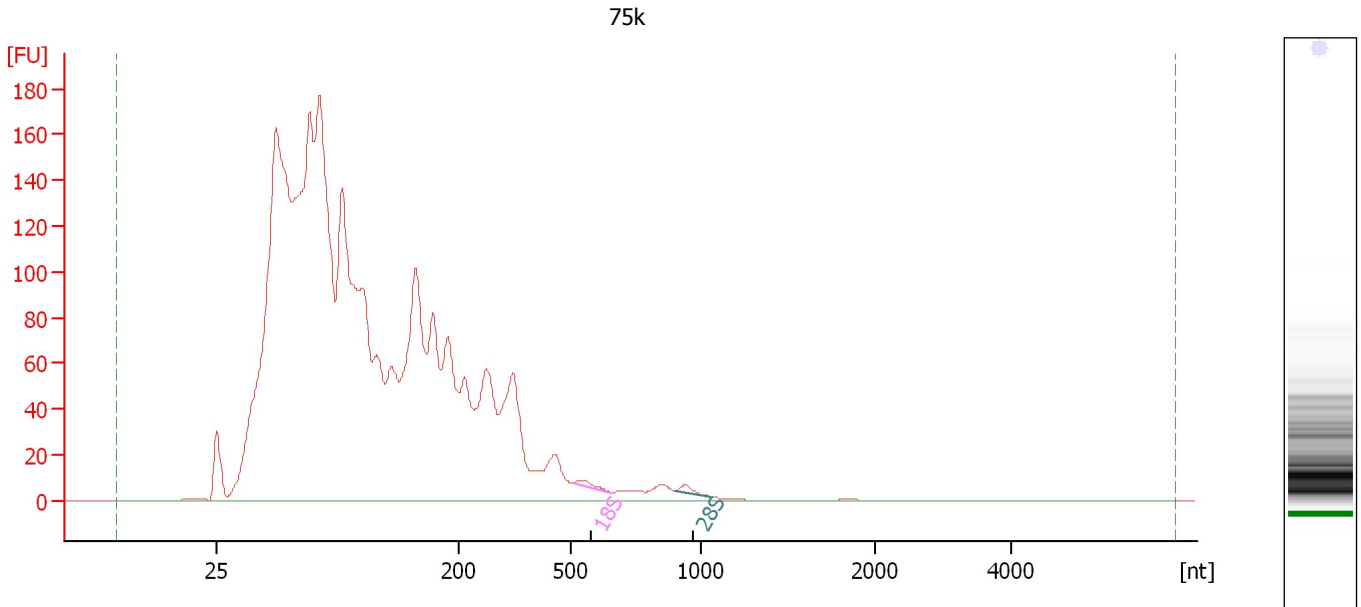
**Fragment table for sample 10 : 75li**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	752	960	144.1	5.7
28S	1,329	1,687	19.2	0.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 75k**

RNA Area:	3,717.4	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	32,363 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]:	1.1	Result Flagging Label:	RIN: 2.20

**Fragment table for sample 11 : 75k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	506	650	4.0	0.1
28S	902	1,058	4.3	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22\_002.xad

Created: 8/22/2017 9:35:53 AM  
Modified: 8/22/2017 9:58:07 AM

**Gel Image**

