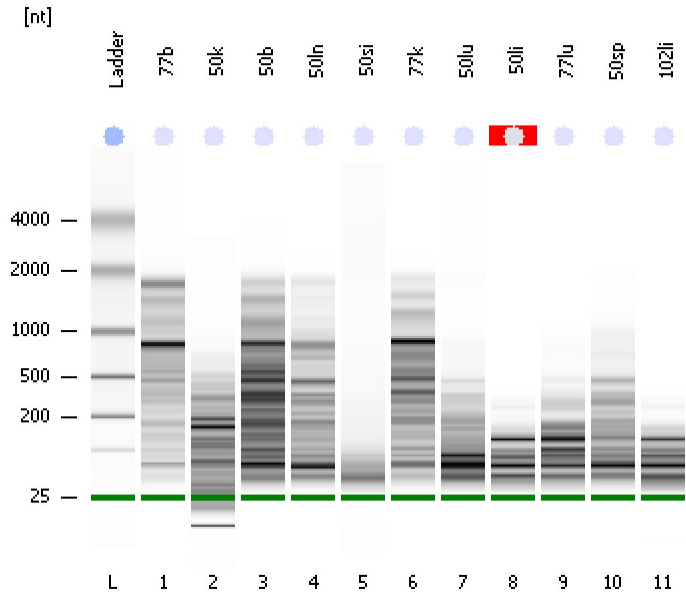


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 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)  
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
 Modified: 8/25/2017 10:37:30 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
77b		✓	RIN: 5.80	
50k		✓	RIN:3	
50b		✓	RIN: 3.40	
50ln		✓	RIN: 3.10	
50si		✓	RIN: 2.50	
77k		✓	RIN: 4.20	
50lu		✓	RIN: 2.20	
50li		✓	RIN N/A	
77lu		✓	RIN:2	
50sp		✓	RIN:2	
102li		✓	RIN: 2.30	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 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/ $\mu$ 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

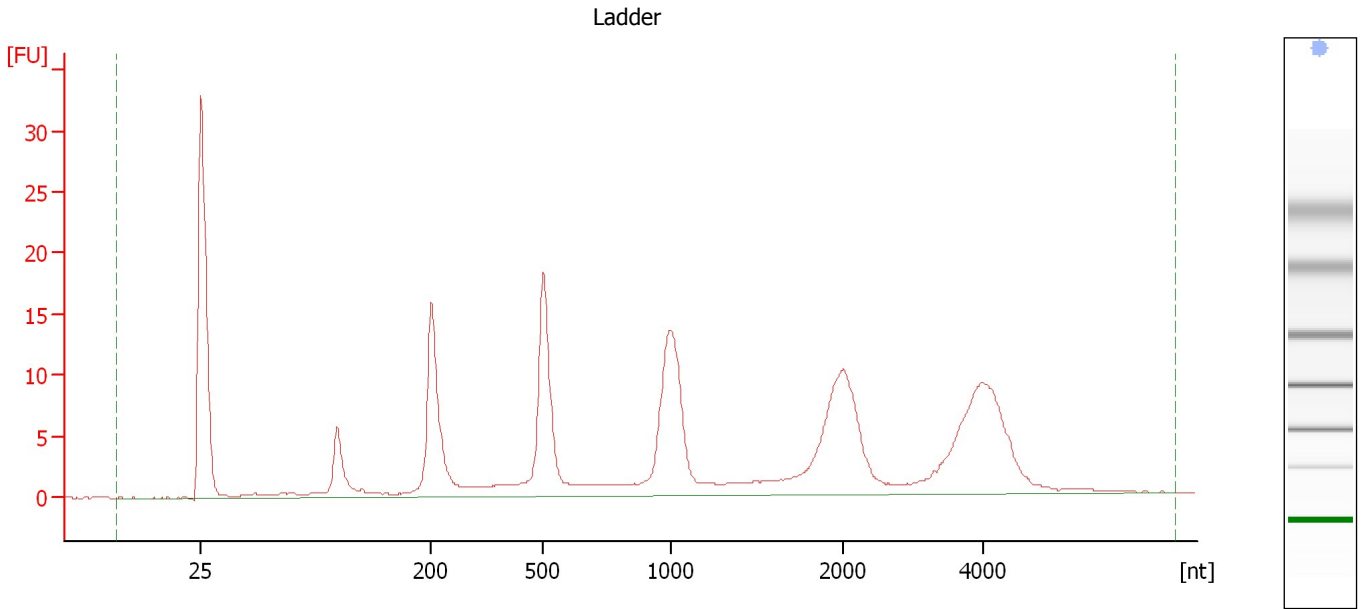
### Ladder

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\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary**



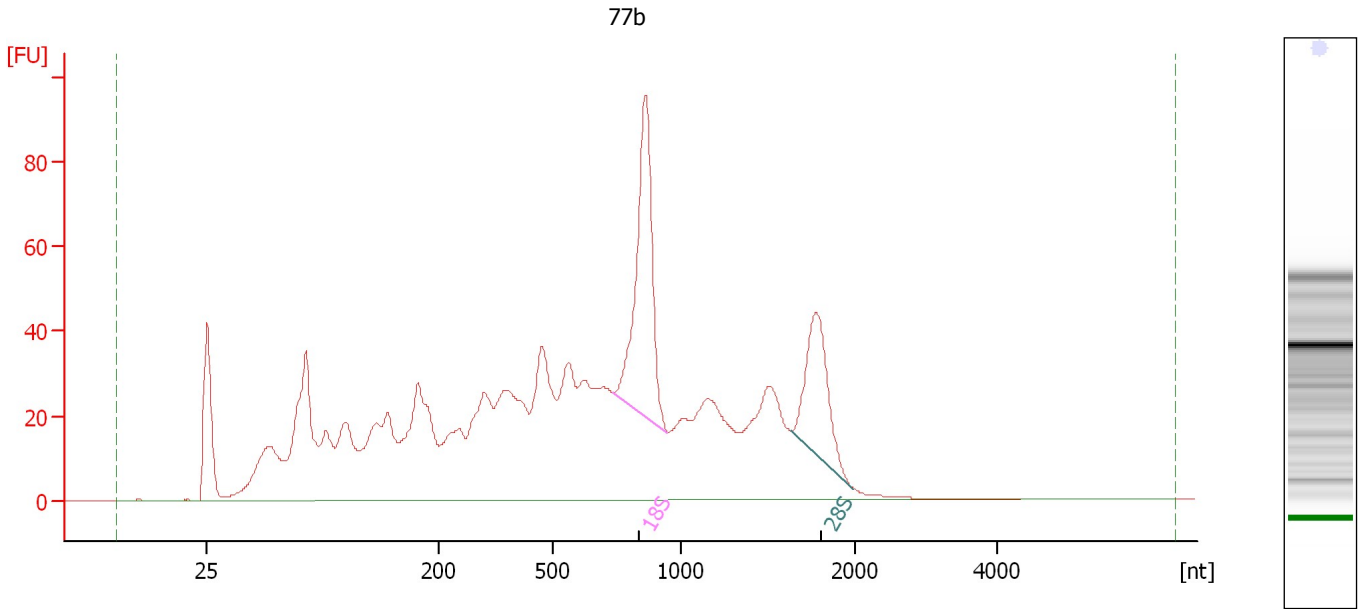
**Overall Results for Ladder**

RNA Area:	222.9	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\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 77b**

RNA Area:	1,611.4	RNA Integrity Number (RIN):	5.8 (B.02.08)
RNA Concentration:	7,228 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: 5.80

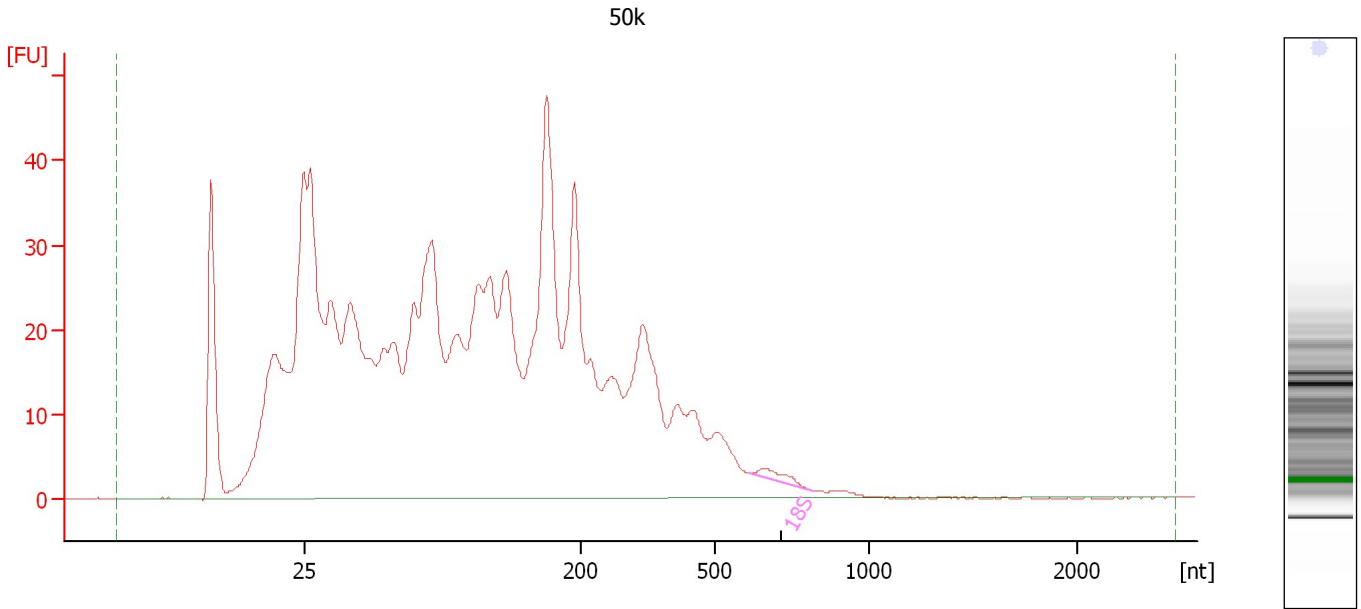
**Fragment table for sample 1 : 77b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	739	947	142.8	8.9
28S	1,631	1,985	75.8	4.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 50k**

RNA Area:	1,117.7	RNA Integrity Number (RIN):	3 (B.02.08)
RNA Concentration:	5,014 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:3

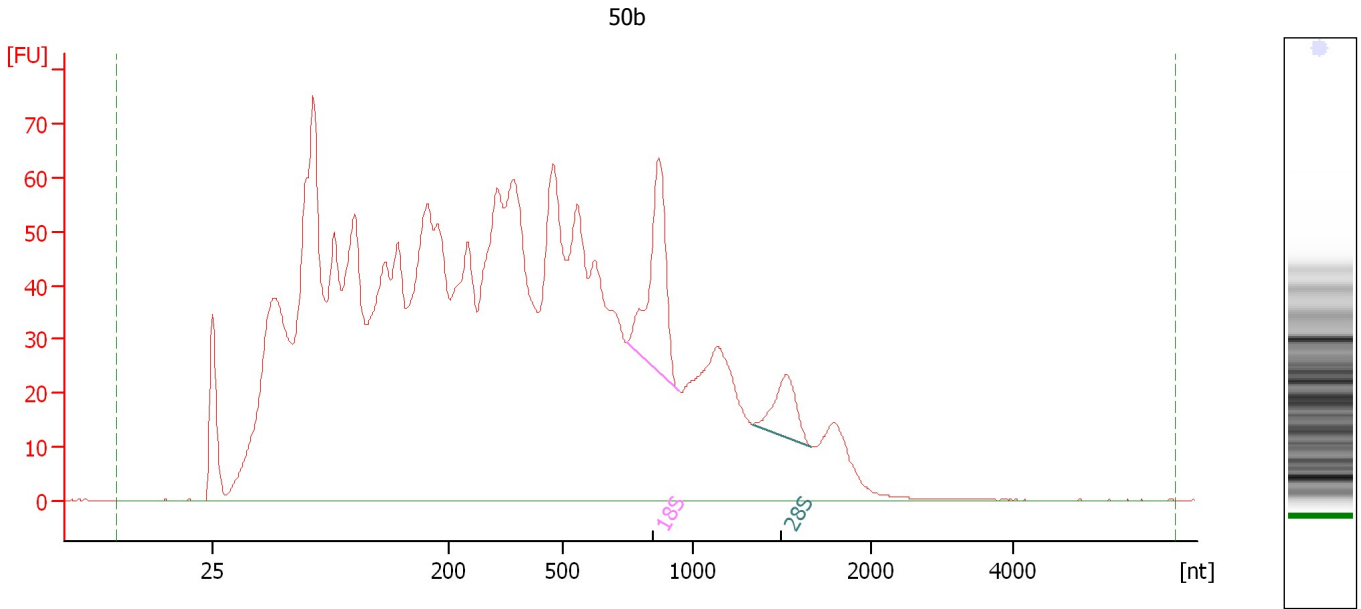
**Fragment table for sample 2 : 50k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	609	815	3.8	0.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 50b**

RNA Area:	2,761.2	RNA Integrity Number (RIN):	3.4 (B.02.08)
RNA Concentration:	12,385 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: 3.40

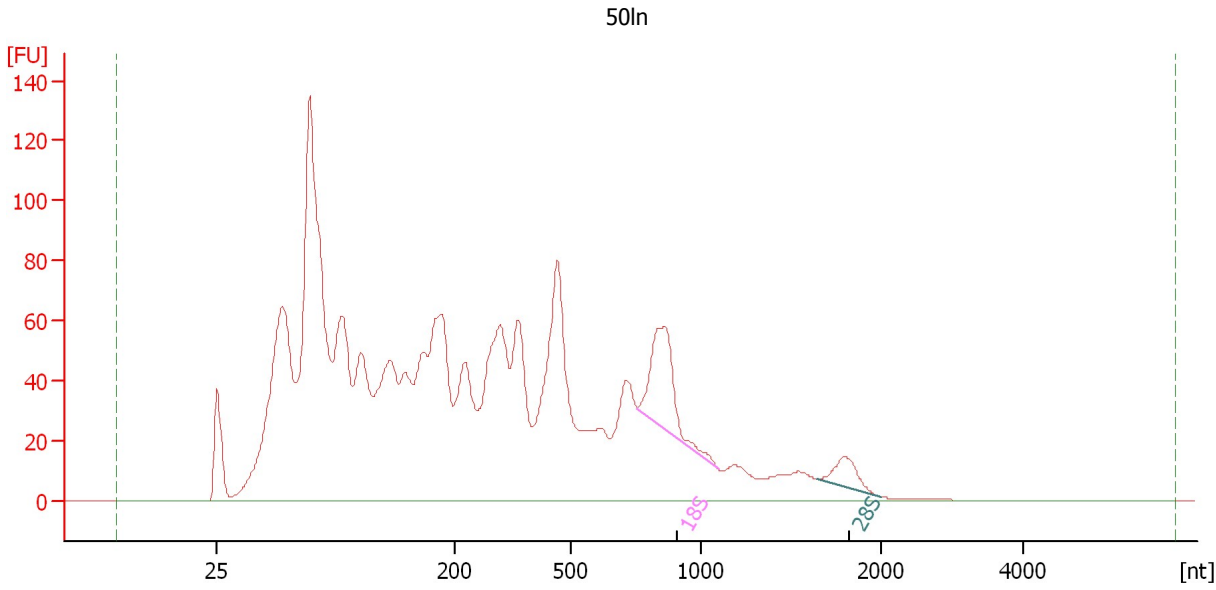
**Fragment table for sample 3 : 50b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	744	945	77.6	2.8
28S	1,335	1,661	27.2	1.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 50ln**

RNA Area:	2,831.7	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	12,702 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]:	0.2	Result Flagging Label:	RIN: 3.10

**Fragment table for sample 4 : 50ln**

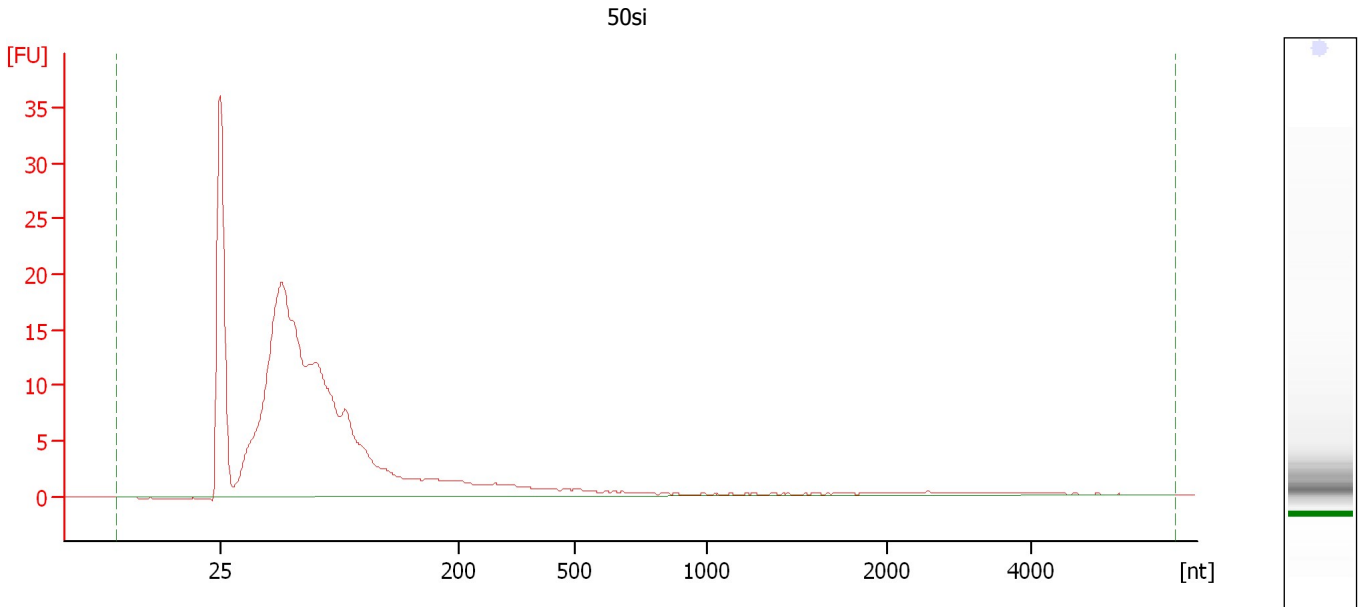
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	755	1,095	91.3	3.2
28S	1,651	2,011	22.6	0.8



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



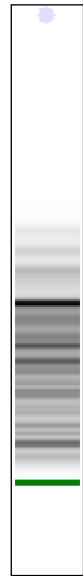
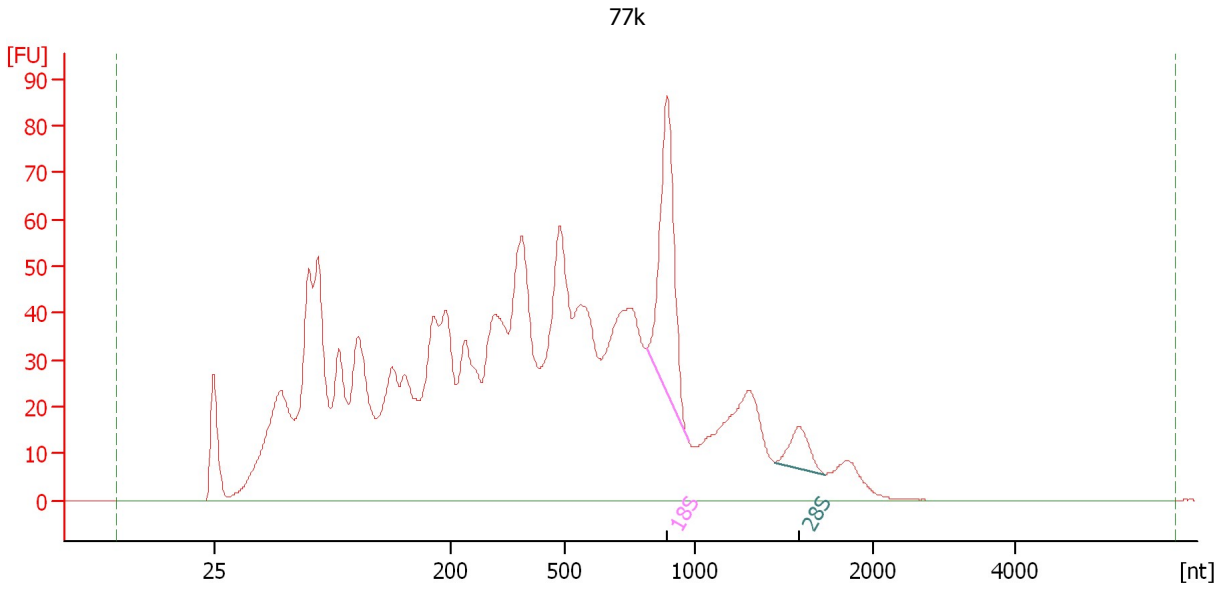
**Overall Results for sample 5 : 50si**

RNA Area:	259.5	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	1,164 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\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 77k**

RNA Area:	2,090.1	RNA Integrity Number (RIN):	4.2 (B.02.08)
RNA Concentration:	9,375 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]:	0.2	Result Flagging Label:	RIN: 4.20

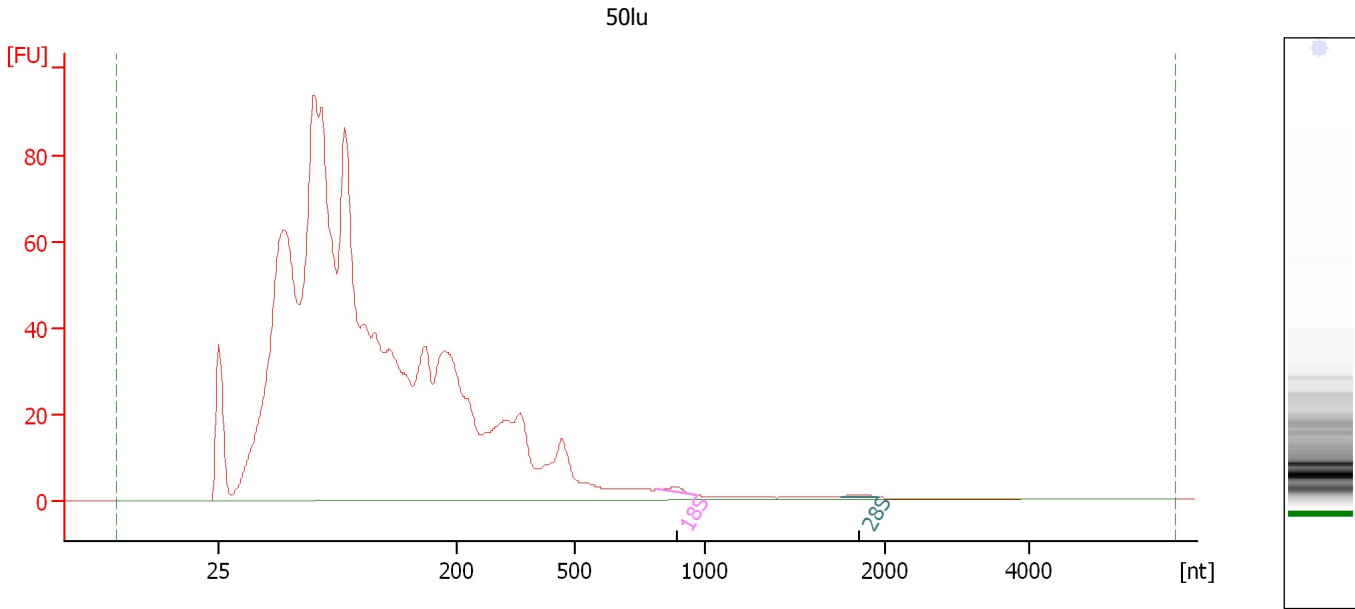
**Fragment table for sample 6 : 77k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	810	974	107.0	5.1
28S	1,450	1,726	17.8	0.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
 Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 50lu**

RNA Area:	1,739.6	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	7,803 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: 2.20

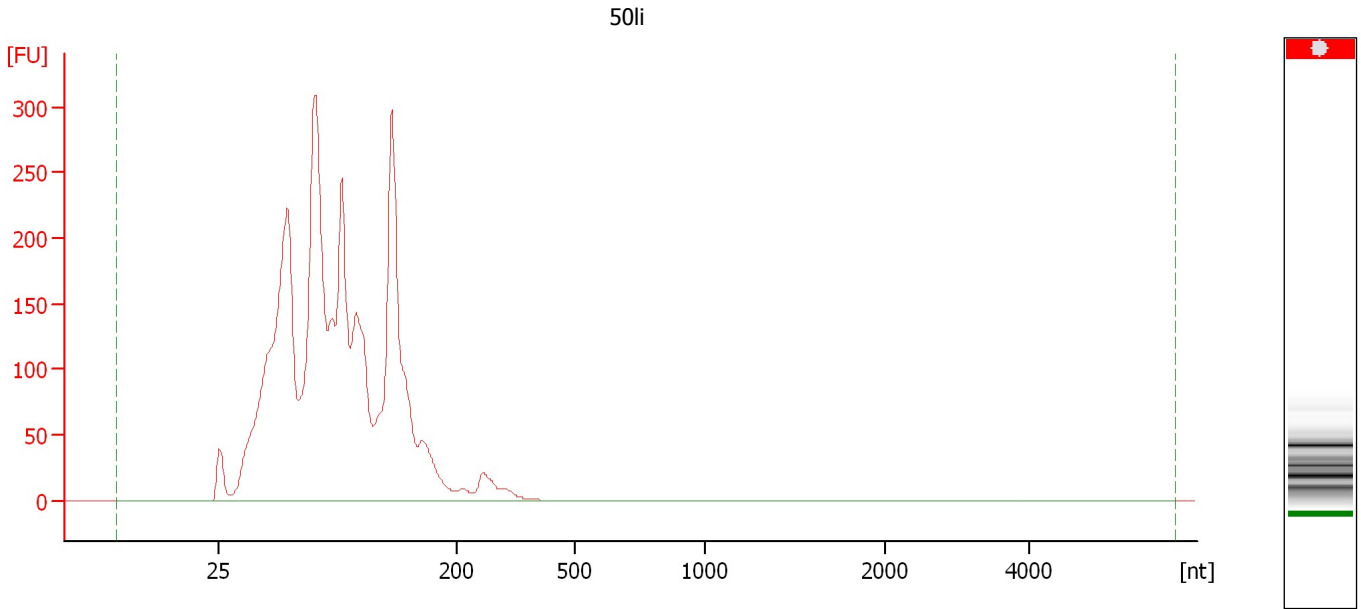
**Fragment table for sample 7 : 50lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	817	963	2.3	0.1
28S	1,751	1,959	1.0	0.1


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



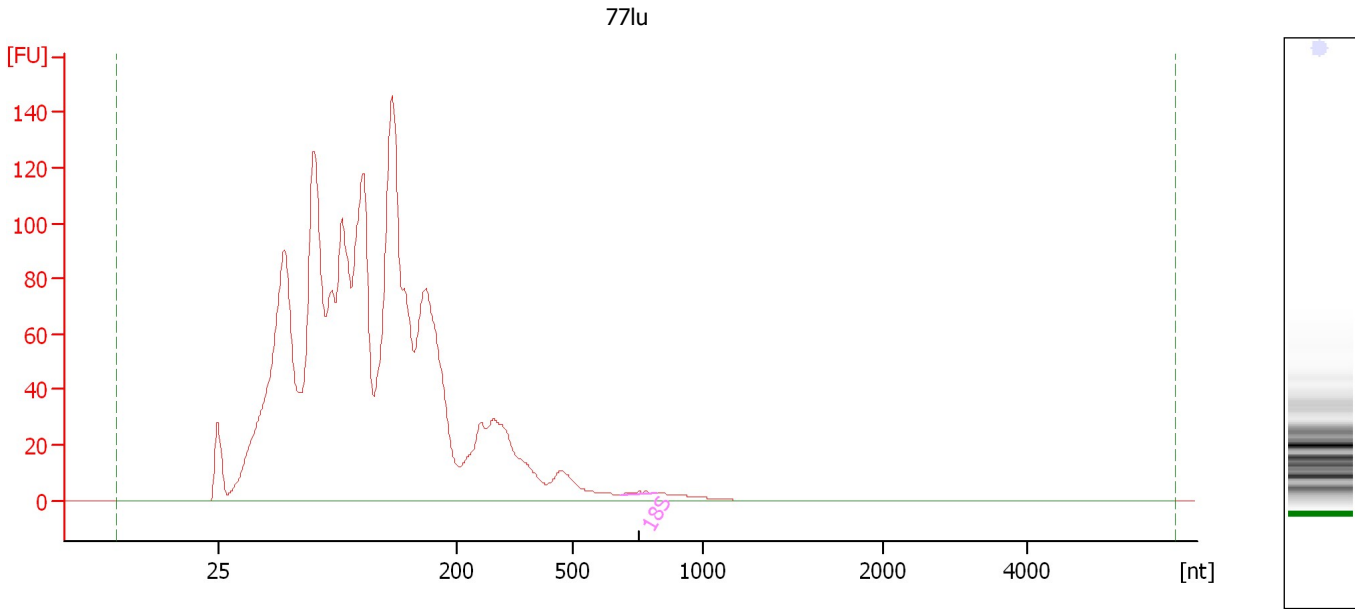
**Overall Results for sample 8 : 50li**

RNA Area:	3,863.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	17,328 pg/ $\mu$ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 77lu**

RNA Area:	2,495.4	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	11,193 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

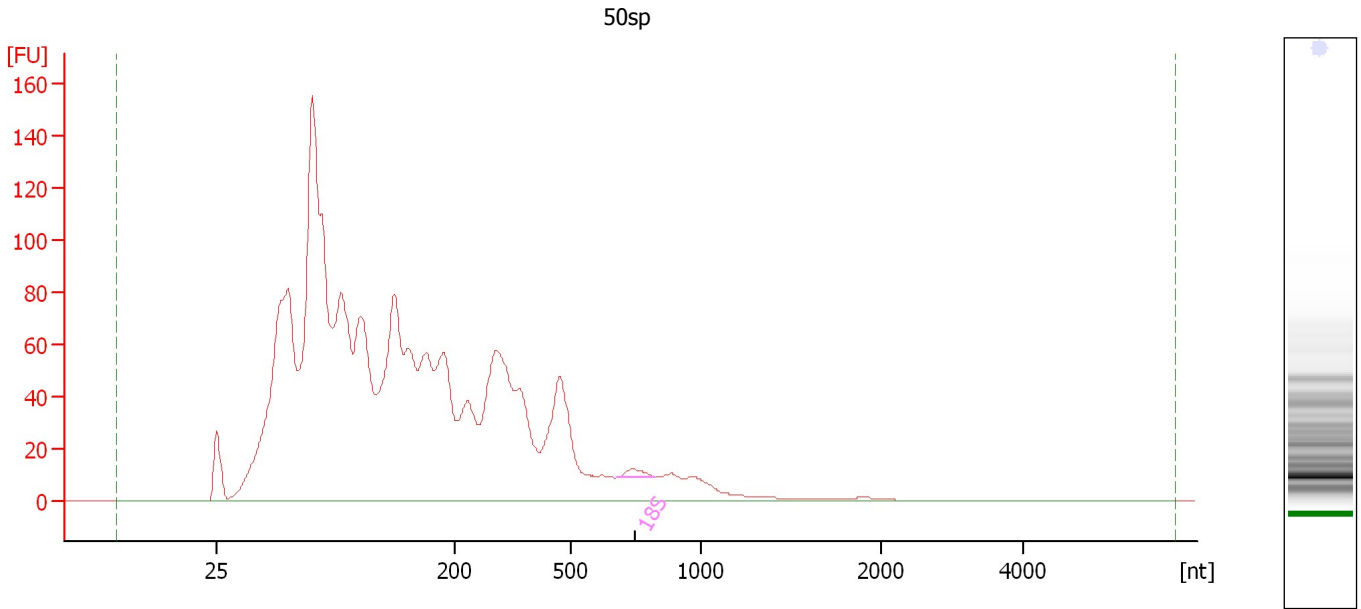
**Fragment table for sample 9 : 77lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	687	821	1.6	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 50sp**

RNA Area:	2,690.6	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	12,069 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

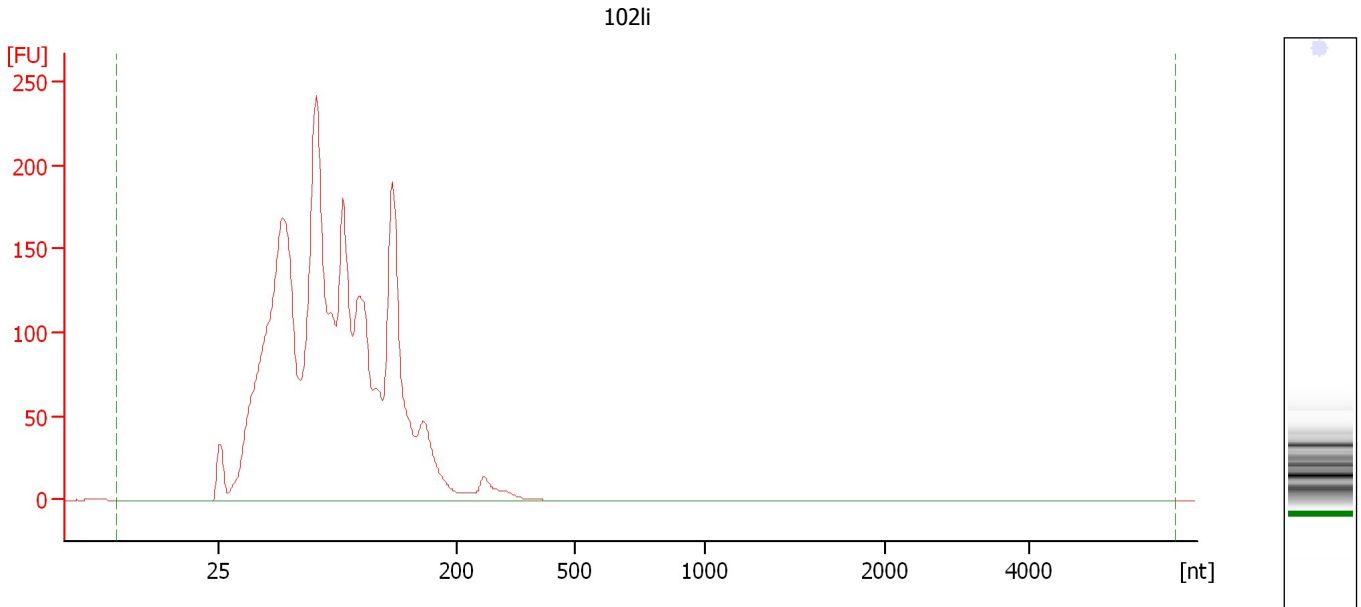
**Fragment table for sample 10 : 50sp**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	674	824	6.6	0.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 102li**

RNA Area:	3,263.9	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	14,640 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: 2.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25\_003.xad

Created: 8/25/2017 10:16:31 AM  
Modified: 8/25/2017 10:37:30 AM

**Gel Image**

