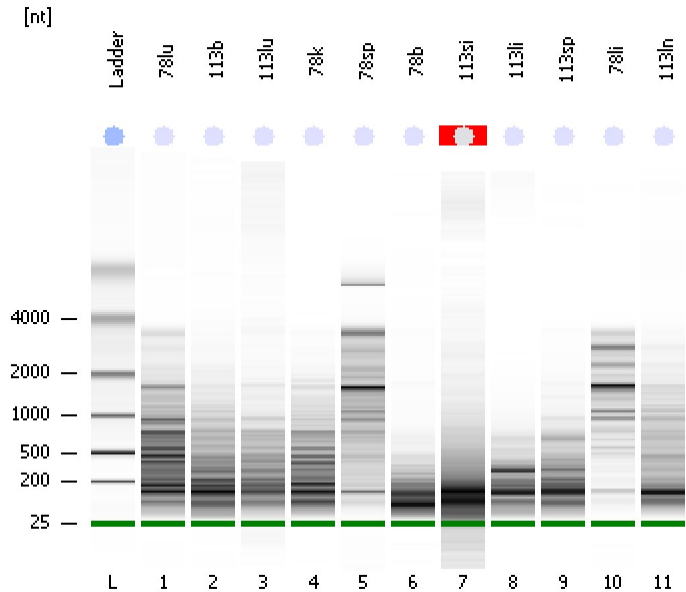


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 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\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
 Modified: 7/28/2017 10:37:30 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
78lu		✓	RIN: 2.90	
113b		✓	RIN: 2.30	
113lu		✓	RIN: 2.60	
78k		✓	RIN: 2.20	
78sp		✓	RIN: 5.40	
78b		✓	RIN: 2.40	
113si		✓	RIN N/A	
113li		✓	RIN: 2.10	
113sp		✓	RIN: 2.10	
78li		✓	RIN: 6.10	
113ln		✓	RIN: 2.40	
Ladder		✓	All Other Samples	

**Chip Lot #**

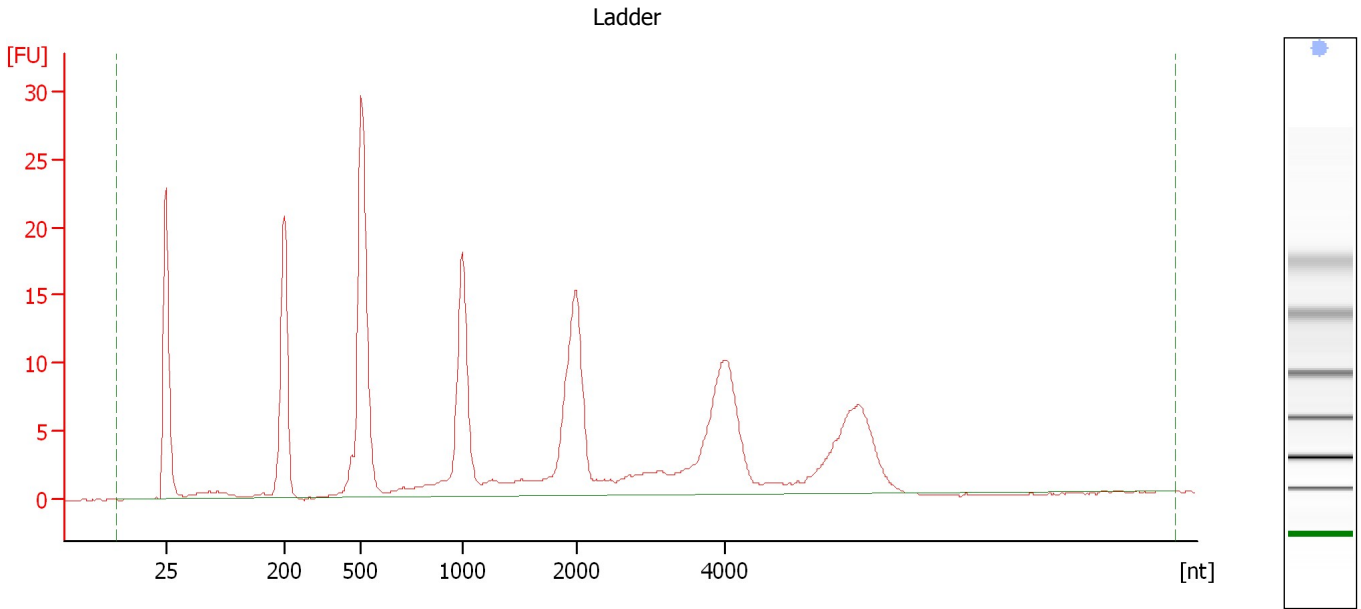
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary**



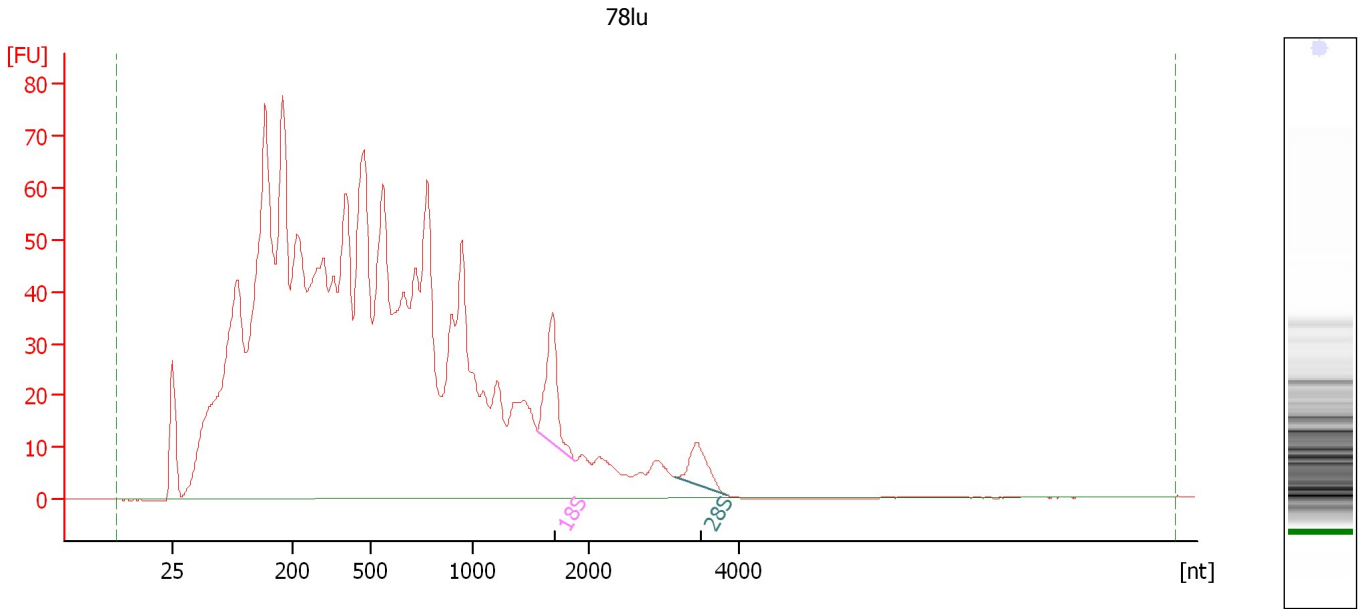
**Overall Results for Ladder**

RNA Area:	237.9	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\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 78lu**

RNA Area: 2,109.8                      RNA Integrity Number (RIN): 2.9 (B.02.08)  
RNA Concentration: 8,867 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.5                      Result Flagging Label: RIN: 2.90

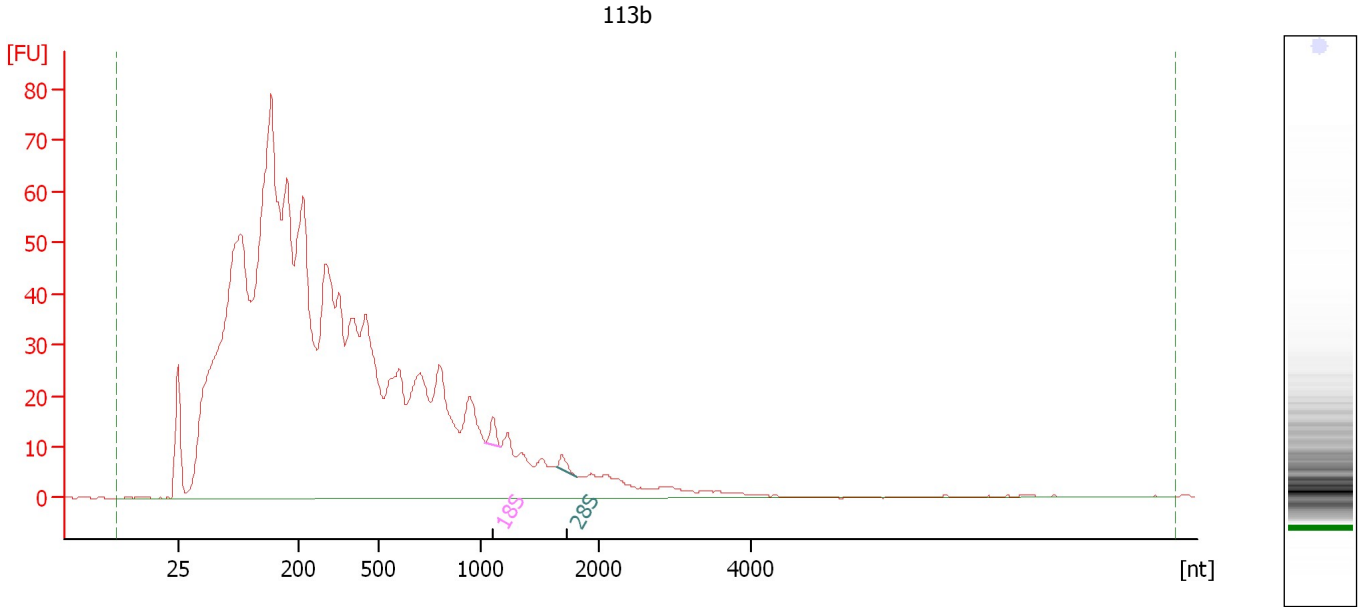
**Fragment table for sample 1 : 78lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,877	36.2	1.7
28S	3,159	3,826	16.9	0.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 113b**

RNA Area:	1,712.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	7,198 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: 2.30

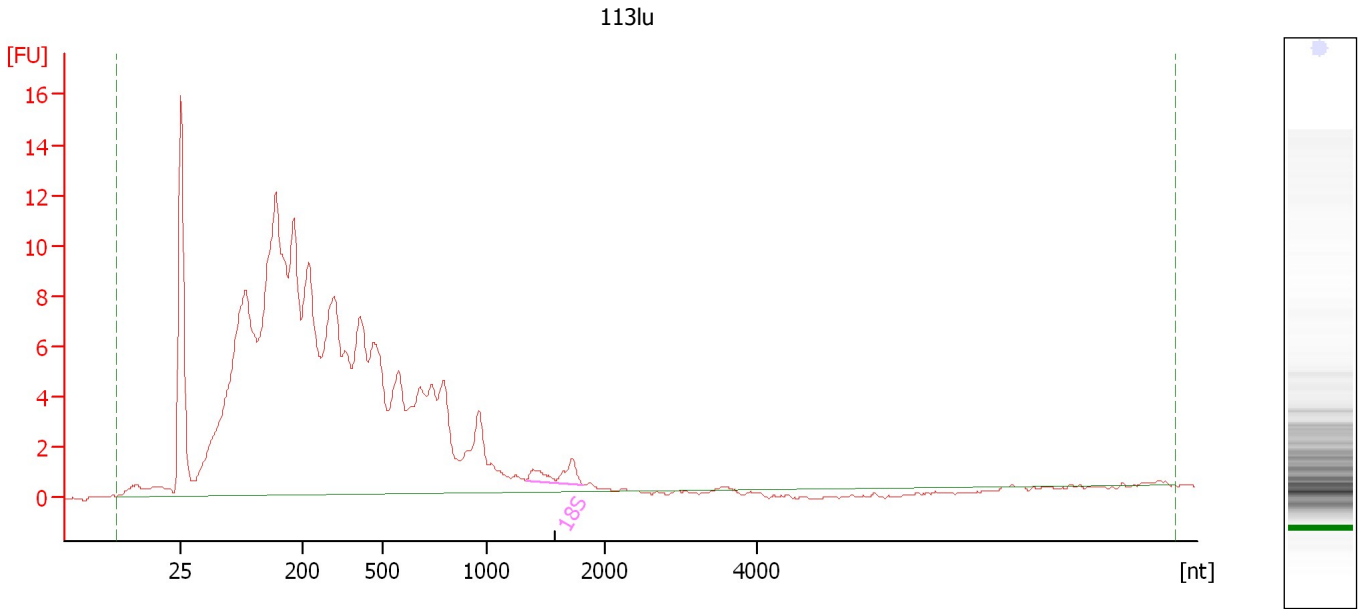
**Fragment table for sample 2 : 113b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,036	1,164	4.8	0.3
28S	1,638	1,820	2.9	0.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 113lu**

RNA Area:	259.4	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	1,090 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: 2.60

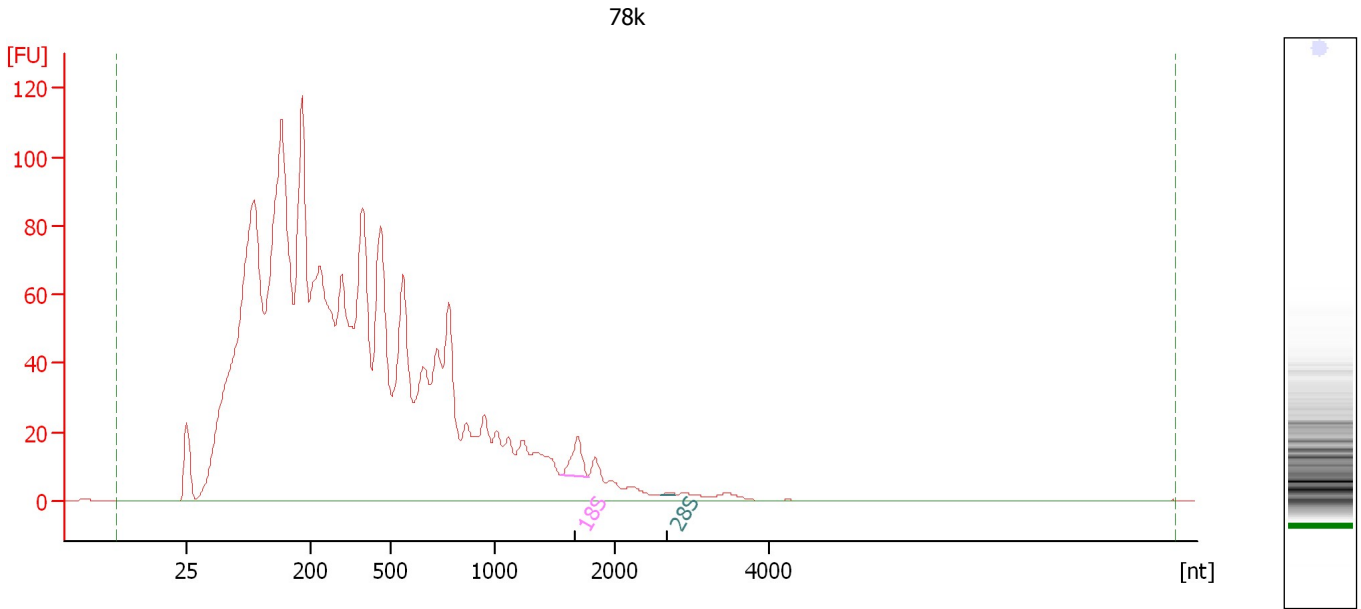
**Fragment table for sample 3 : 113lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,335	1,815	2.6	1.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 78k**

RNA Area: 2,534.8                      RNA Integrity Number (RIN): 2.2 (B.02.08)  
RNA Concentration: 10,653 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.0                      Result Flagging Label: RIN: 2.20

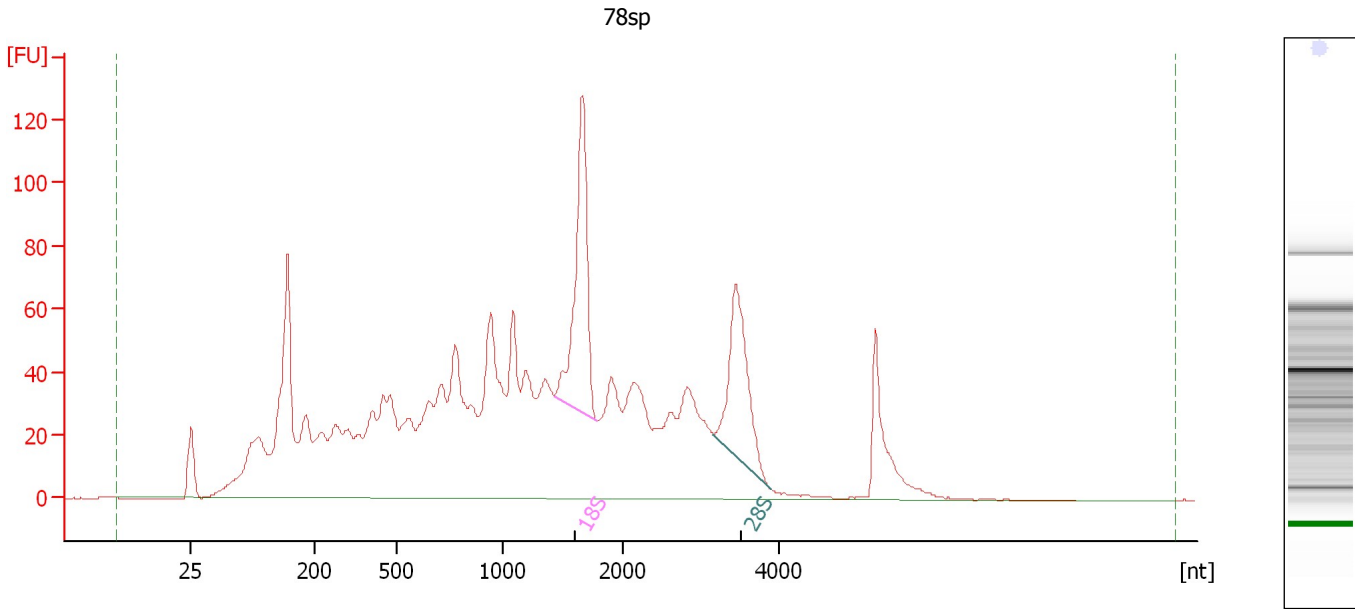
**Fragment table for sample 4 : 78k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,778	15.0	0.6
28S	2,596	2,789	0.4	0.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 78sp**

RNA Area:	2,202.4	RNA Integrity Number (RIN):	5.4 (B.02.08)
RNA Concentration:	9,256 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]:	0.7	Result Flagging Label:	RIN: 5.40

**Fragment table for sample 5 : 78sp**

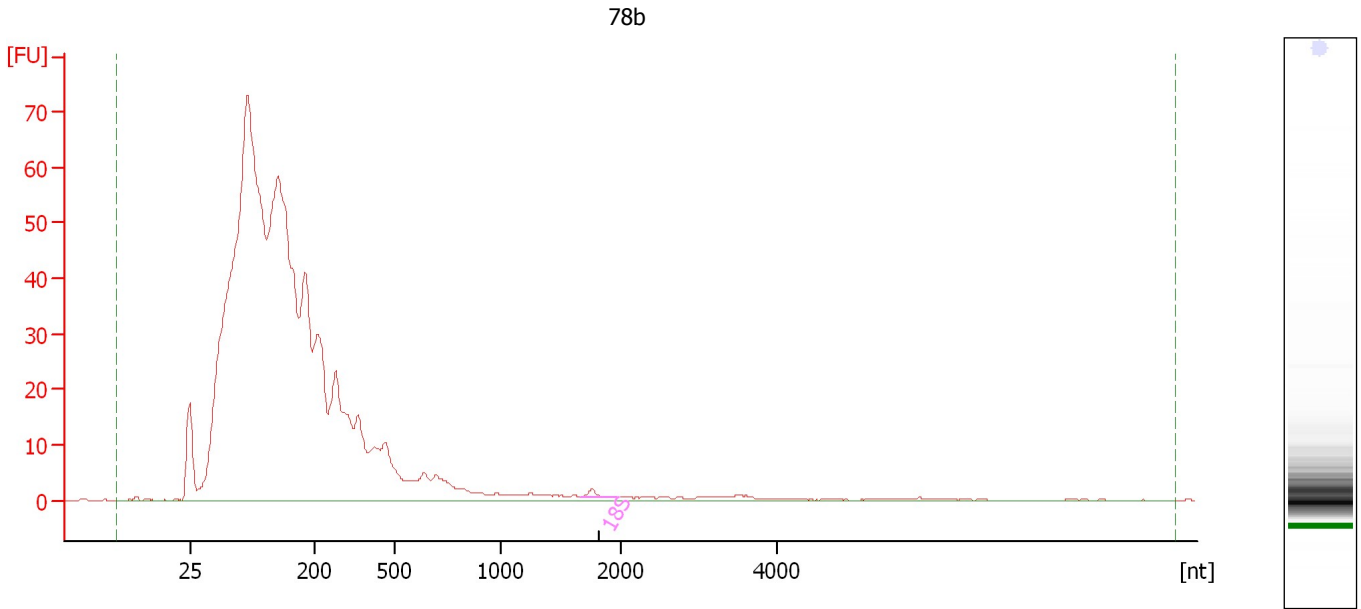
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,429	1,784	150.7	6.8
28S	3,158	3,896	111.3	5.1



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 78b**

RNA Area:	1,103.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	4,637 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: 2.40

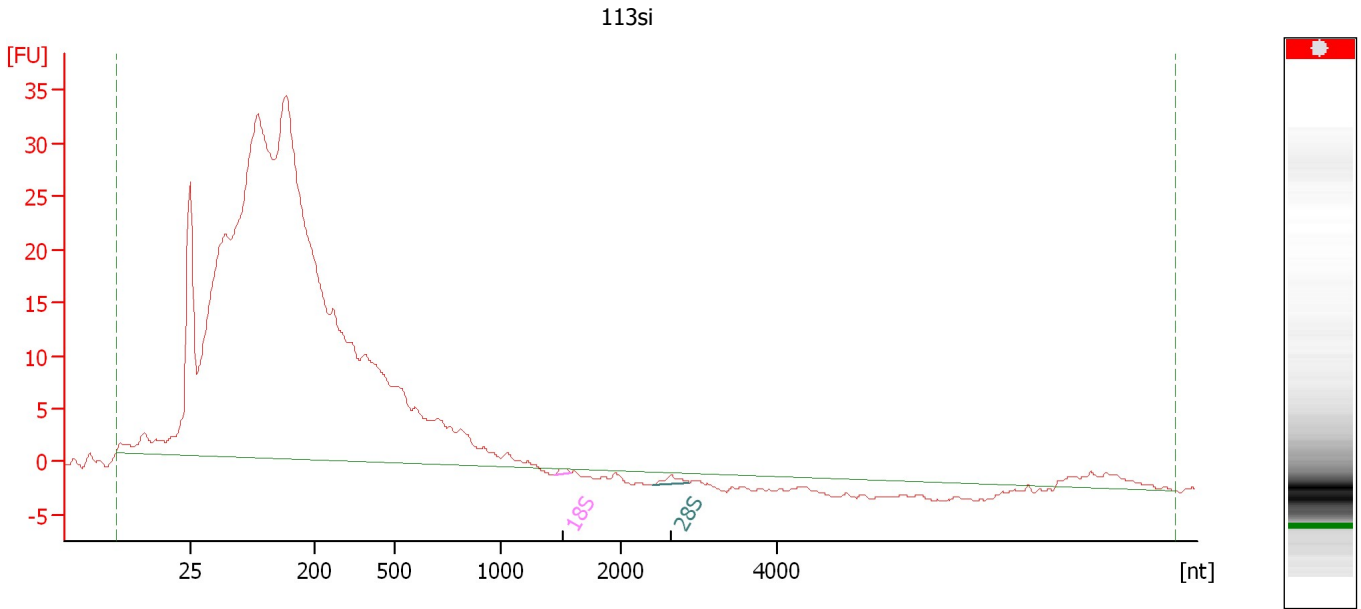
**Fragment table for sample 6 : 78b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	1,969	1.3	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
 Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 113si**

RNA Area:	709.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,981 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]:	2.1	Result Flagging Label:	RIN N/A

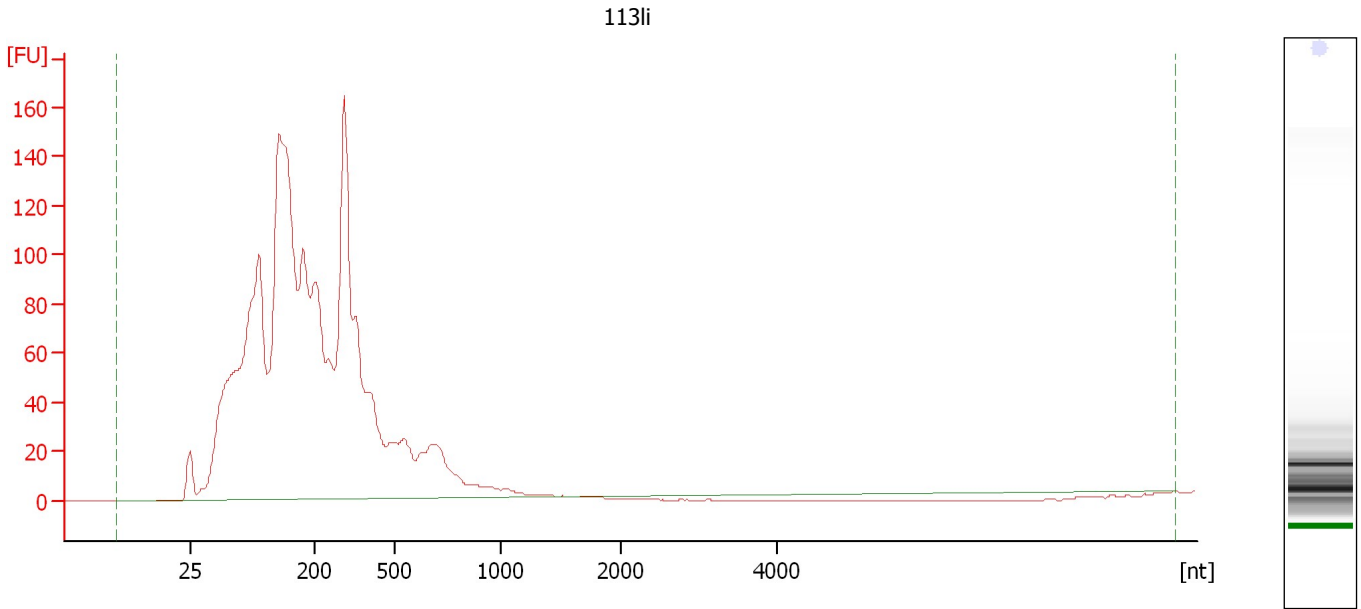
**Fragment table for sample 7 : 113si**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,445	1,587	0.6	0.1
28S	2,405	2,885	1.3	0.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



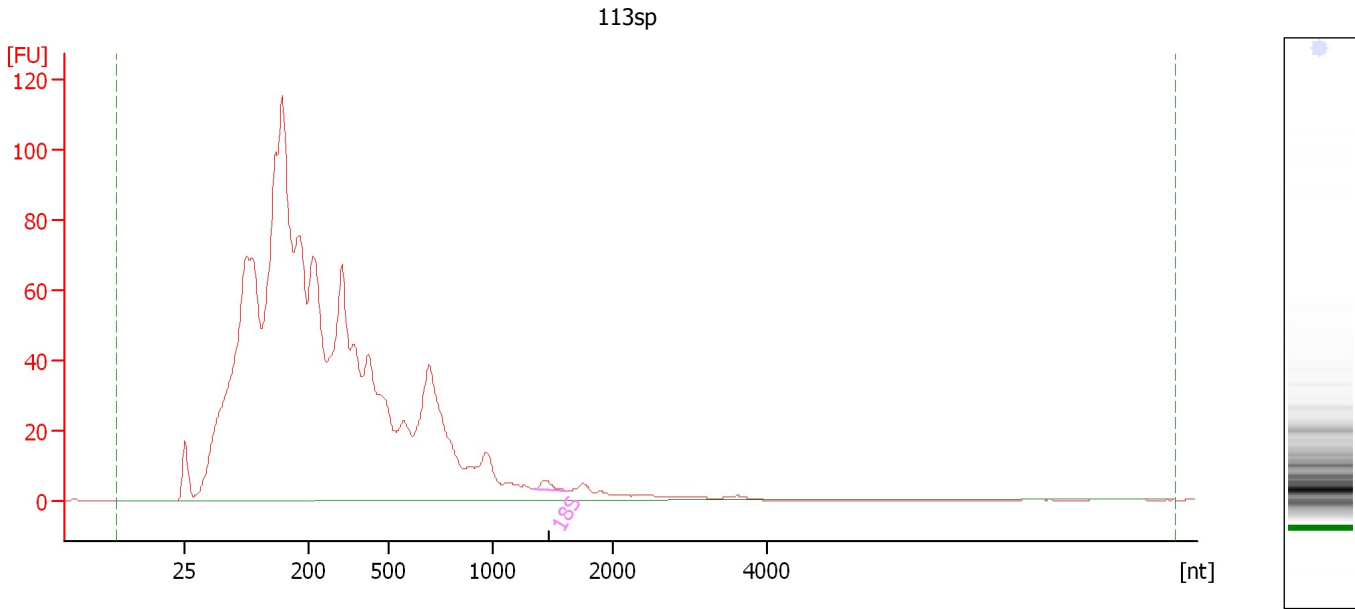
**Overall Results for sample 8 : 113li**

RNA Area:	2,381.7	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	10,010 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: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 113sp**

RNA Area:	1,960.4	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	8,239 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: 2.10

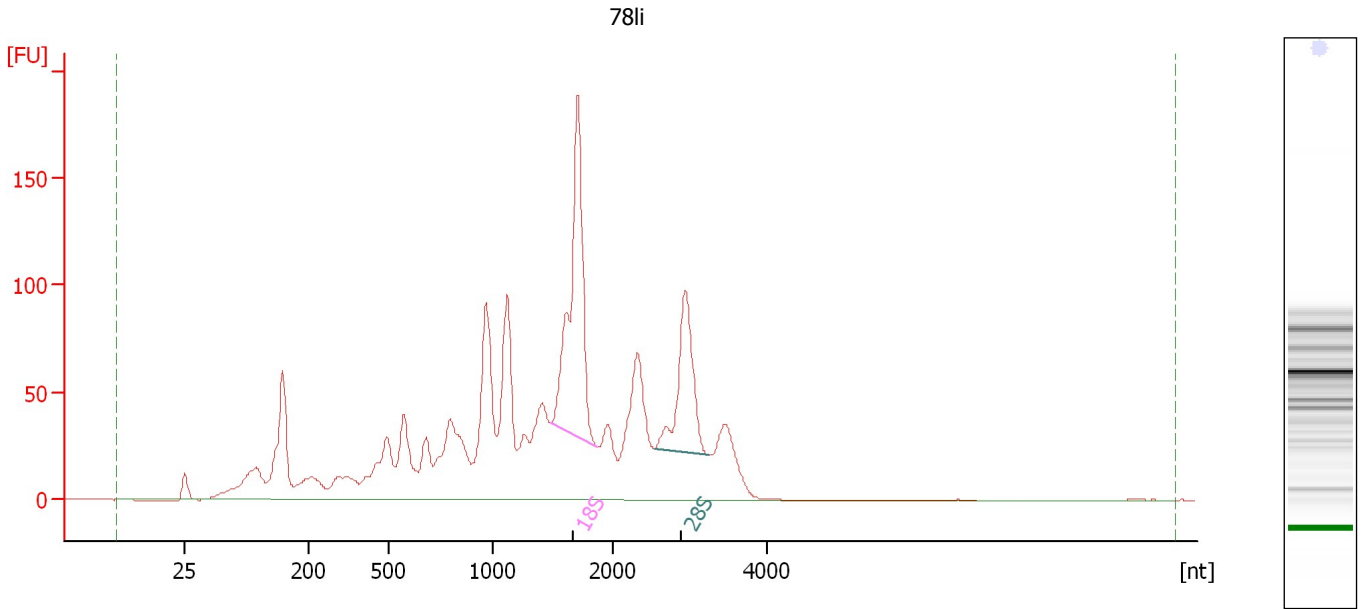
**Fragment table for sample 9 : 113sp**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,337	1,615	4.1	0.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 78li**

RNA Area:	2,040.8	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	8,577 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: 6.10

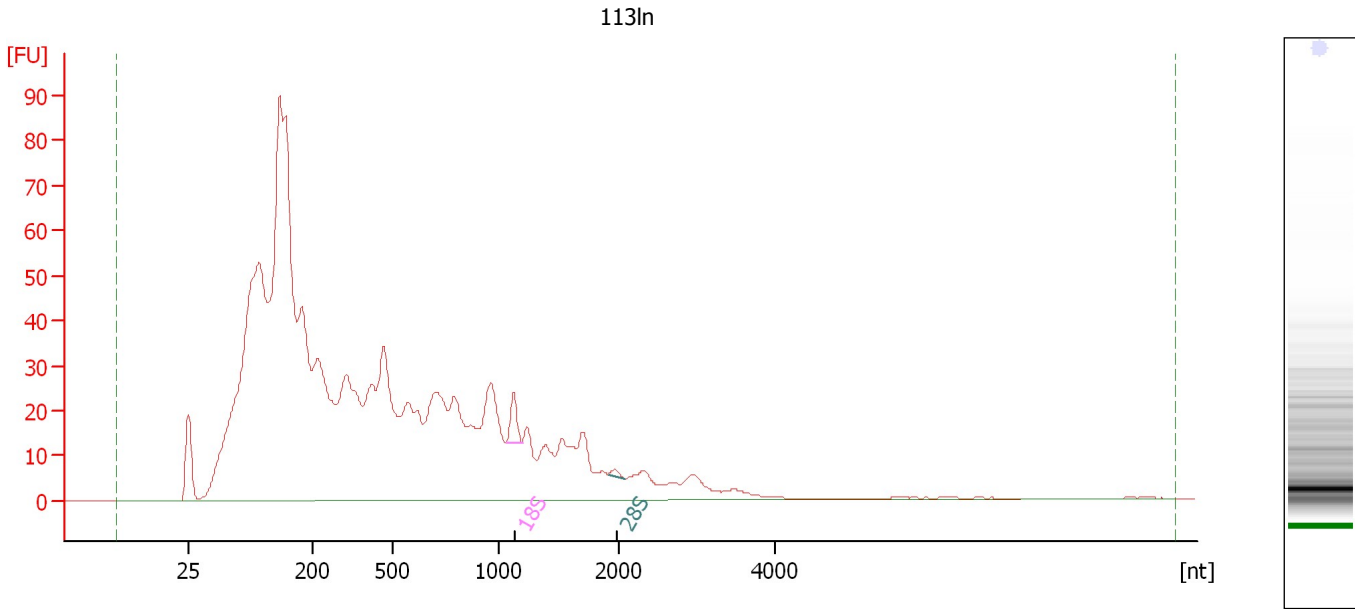
**Fragment table for sample 10 : 78li**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,480	1,875	262.3	12.9
28S	2,540	3,245	130.8	6.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 113ln**

RNA Area: 1,542.6 RNA Integrity Number (RIN): 2.4 (B.02.08)  
RNA Concentration: 6,483 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 2.40

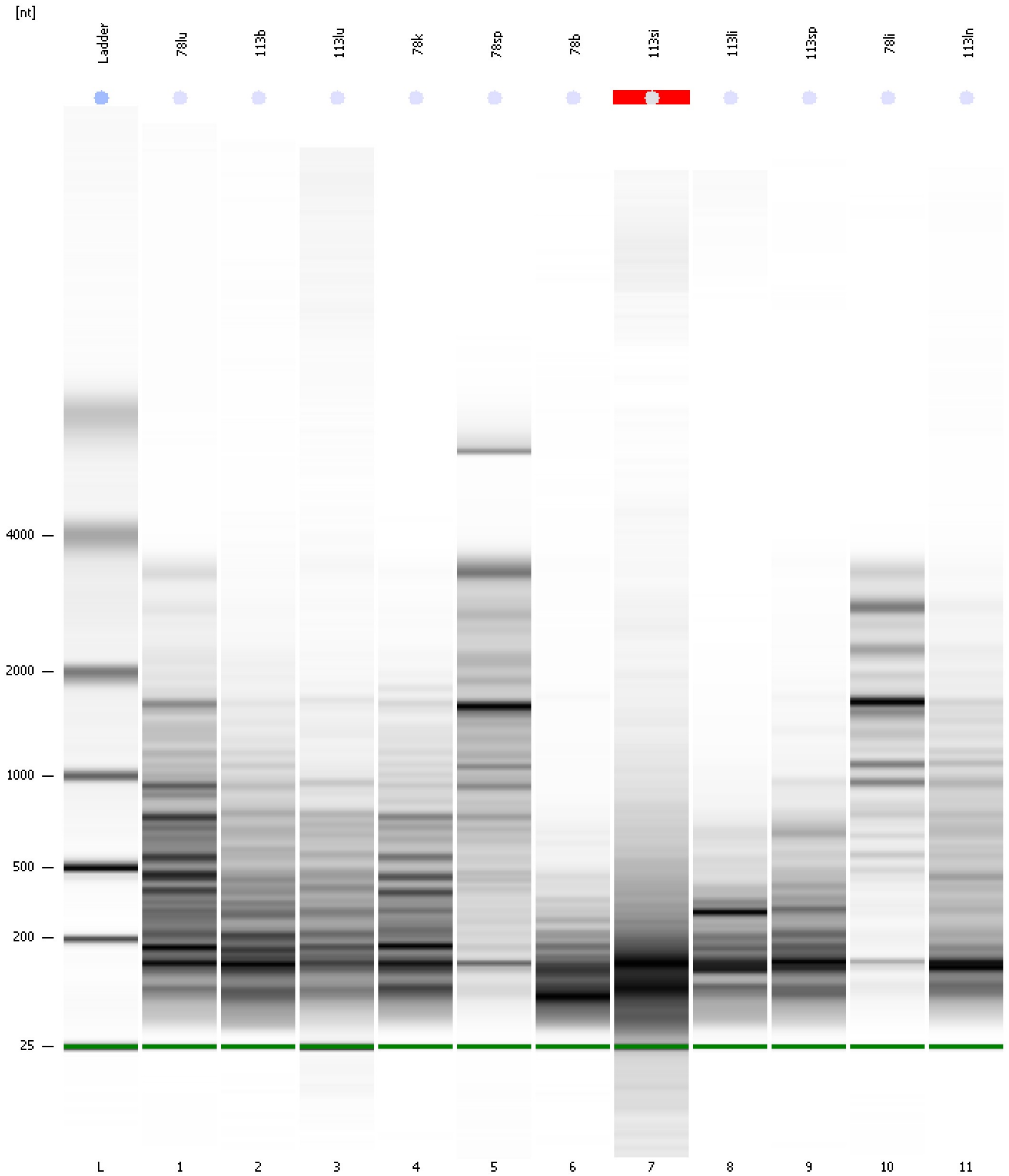
**Fragment table for sample 11 : 113ln**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,059	1,193	9.8	0.6
28S	1,915	2,075	1.3	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28\_002.xad

Created: 7/28/2017 10:14:31 AM  
Modified: 7/28/2017 10:37:30 AM

**Curves**

**Standard Curve**

