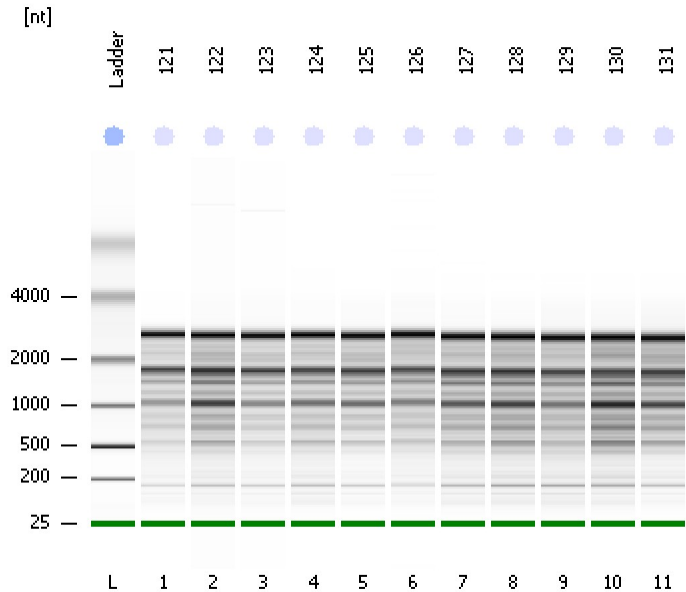


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

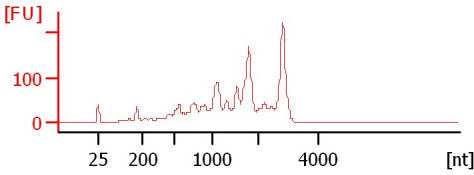
Assay Information:

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.

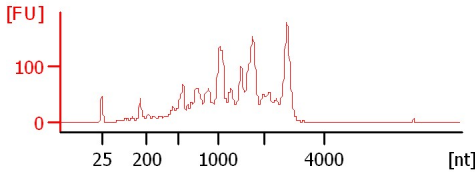
Chip Information:

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

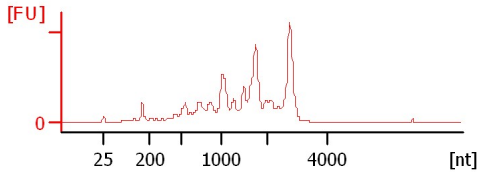
**121**  
RIN: 6.90



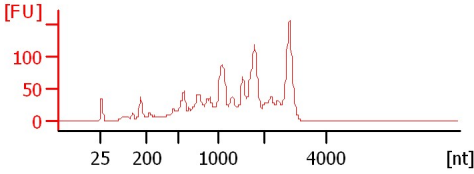
**122**  
RIN: 6.20



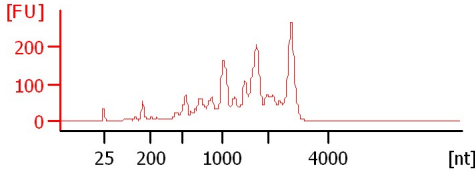
**123**  
RIN: 6.90



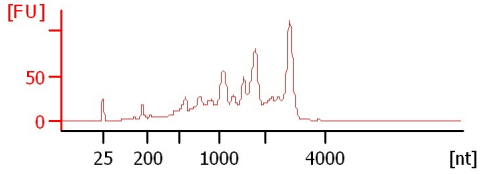
**124**  
RIN: 6.70



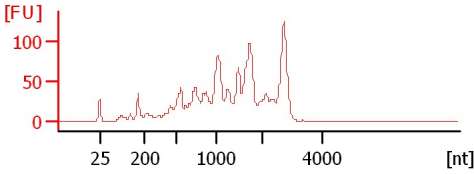
**125**  
RIN: 6.80



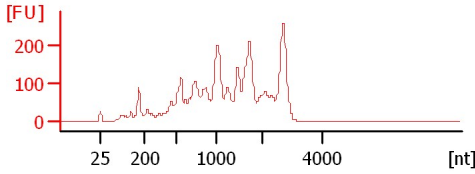
**126**  
RIN: 6.70



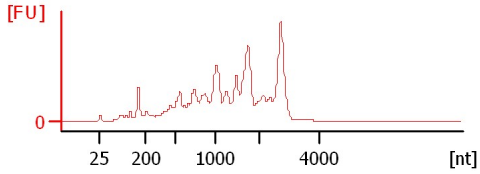
**127**  
RIN: 6.40



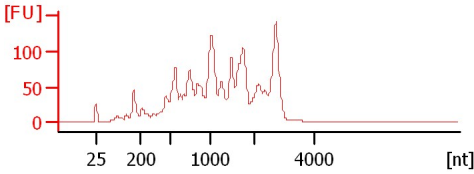
**128**  
RIN: 6



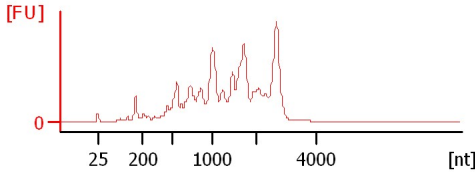
**129**  
RIN: 6.30



**130**  
RIN: 5.50



**131**  
RIN: 6.10



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
121		✓	RIN: 6.90	
122		✓	RIN: 6.20	
123		✓	RIN: 6.90	
124		✓	RIN: 6.70	
125		✓	RIN: 6.80	
126		✓	RIN: 6.70	
127		✓	RIN: 6.40	
128		✓	RIN:6	
129		✓	RIN: 6.30	
130		✓	RIN: 5.50	
131		✓	RIN: 6.10	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 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

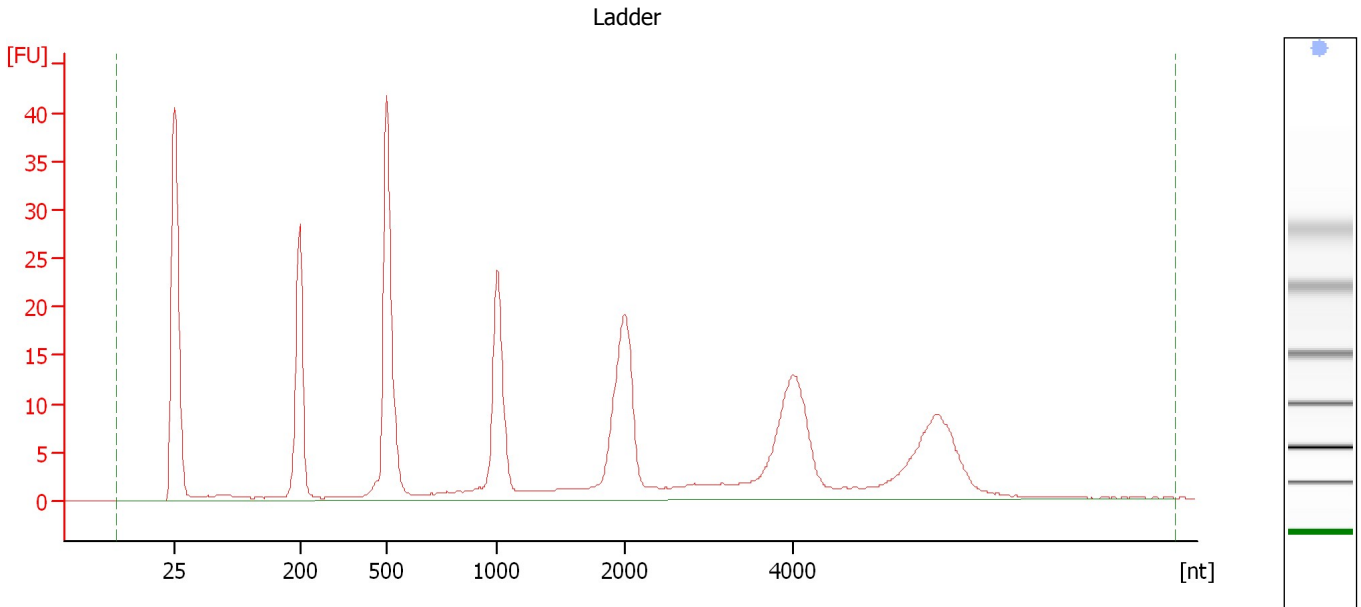
### Ladder

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\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary**



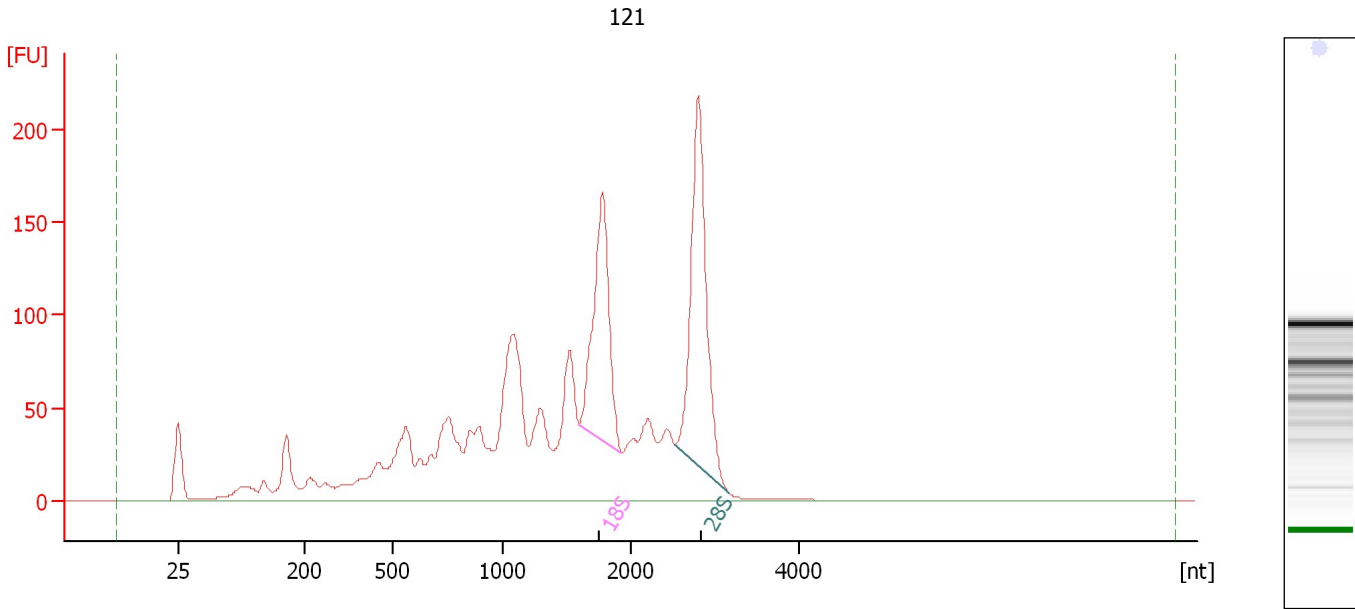
**Overall Results for Ladder**

RNA Area:	315.1	Result Flagging Color:	<span style="background-color: blue; 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\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 121**

RNA Area:	2,307.9	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	7,325 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: 6.90

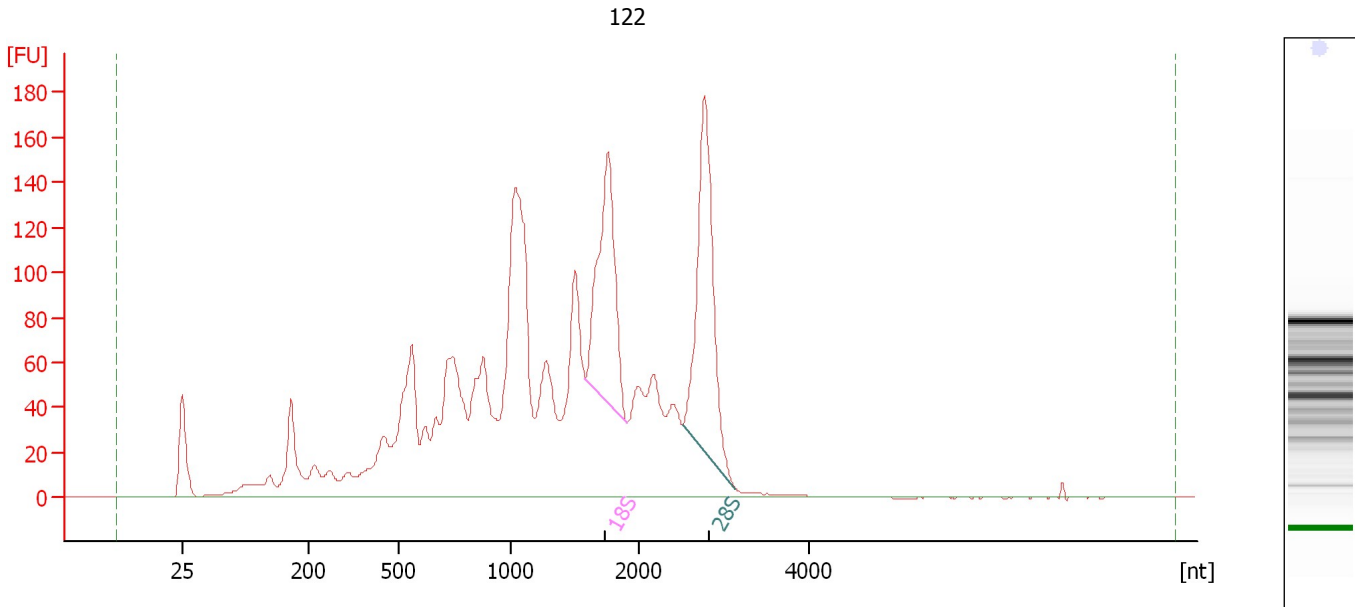
**Fragment table for sample 1 : 121**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,926	261.6	11.3
28S	2,533	3,166	346.9	15.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 122**

RNA Area: 2,716.5 RNA Integrity Number (RIN): 6.2 (B.02.08)  
RNA Concentration: 8,622 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 6.20

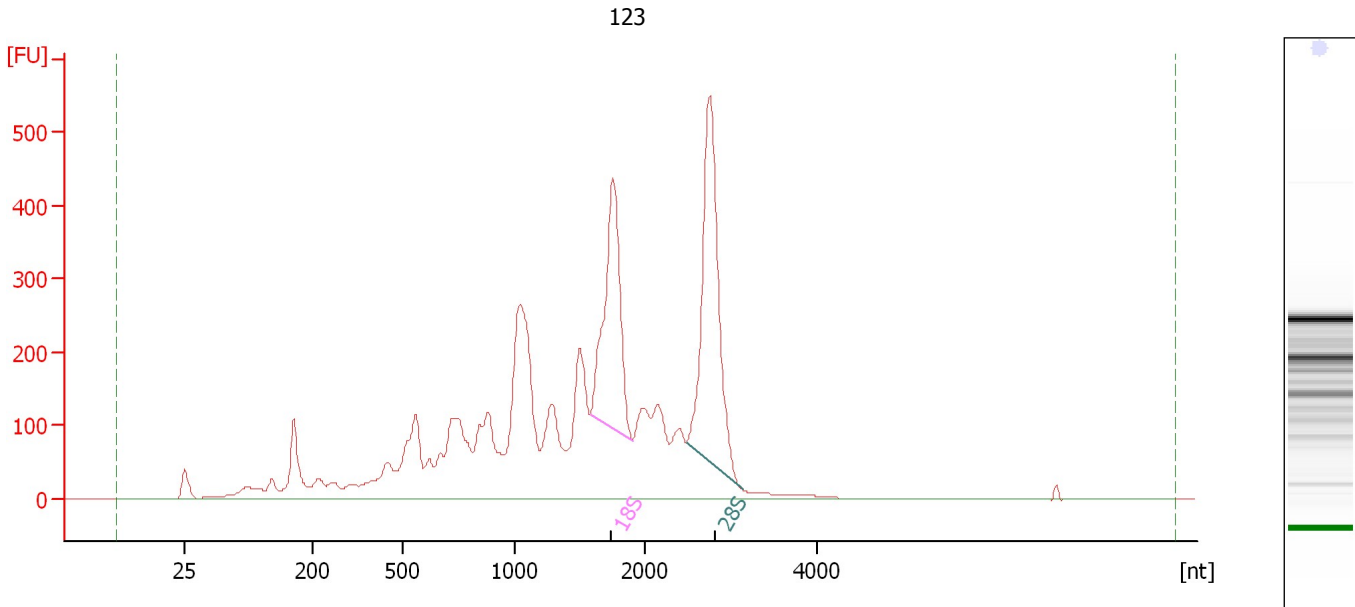
**Fragment table for sample 2 : 122**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	1,903	236.5	8.7
28S	2,506	3,133	283.0	10.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 123**

RNA Area:	6,033.9	RNA Integrity Number (RIN):	6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	19,151 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]:	1.4	Result Flagging Label:	RIN: 6.90

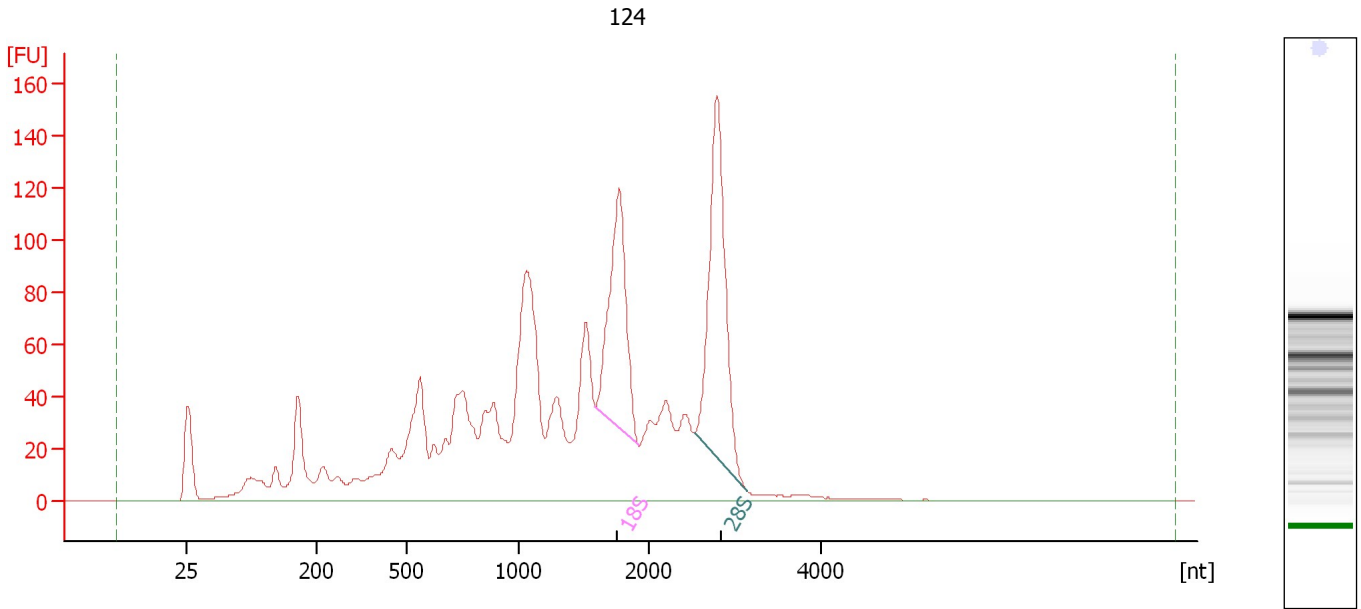
**Fragment table for sample 3 : 123**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	1,897	662.0	11.0
28S	2,479	3,127	906.3	15.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 124**

RNA Area: 2,028.7                      RNA Integrity Number (RIN): 6.7 (B.02.08)  
RNA Concentration: 6,439 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3                      Result Flagging Label: RIN: 6.70

**Fragment table for sample 4 : 124**

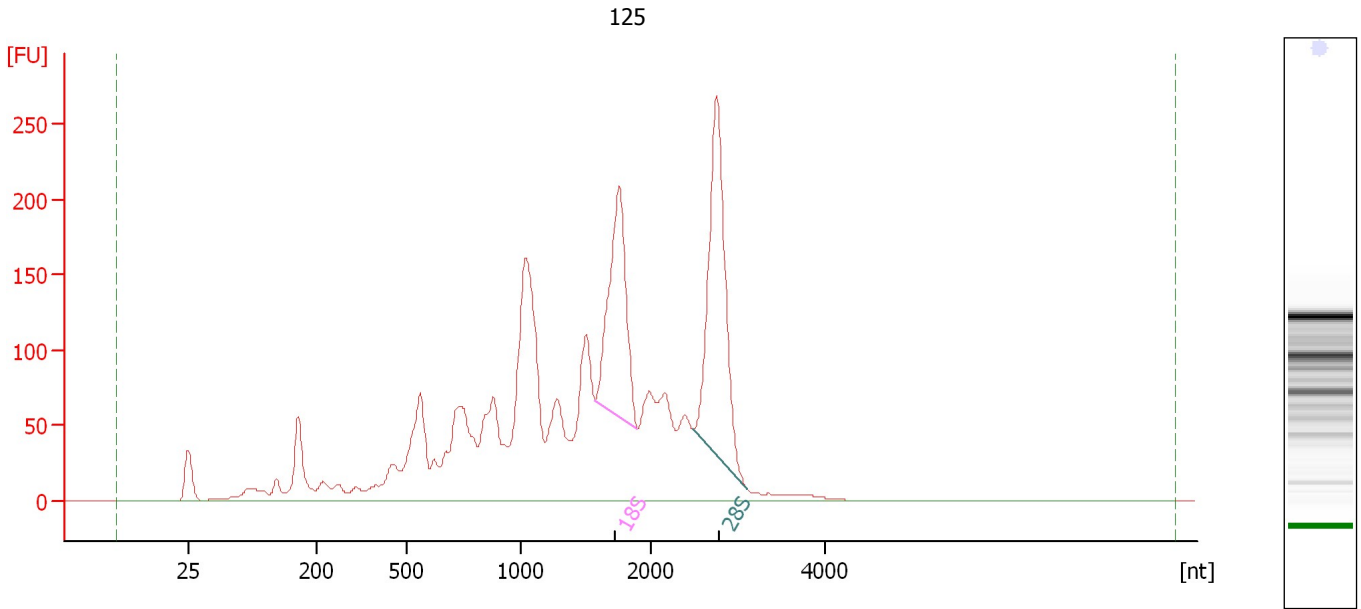
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,915	189.6	9.3
28S	2,516	3,136	252.8	12.5



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 125**

RNA Area:	3,288.4	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	10,437 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]:	1.4	Result Flagging Label:	RIN: 6.80

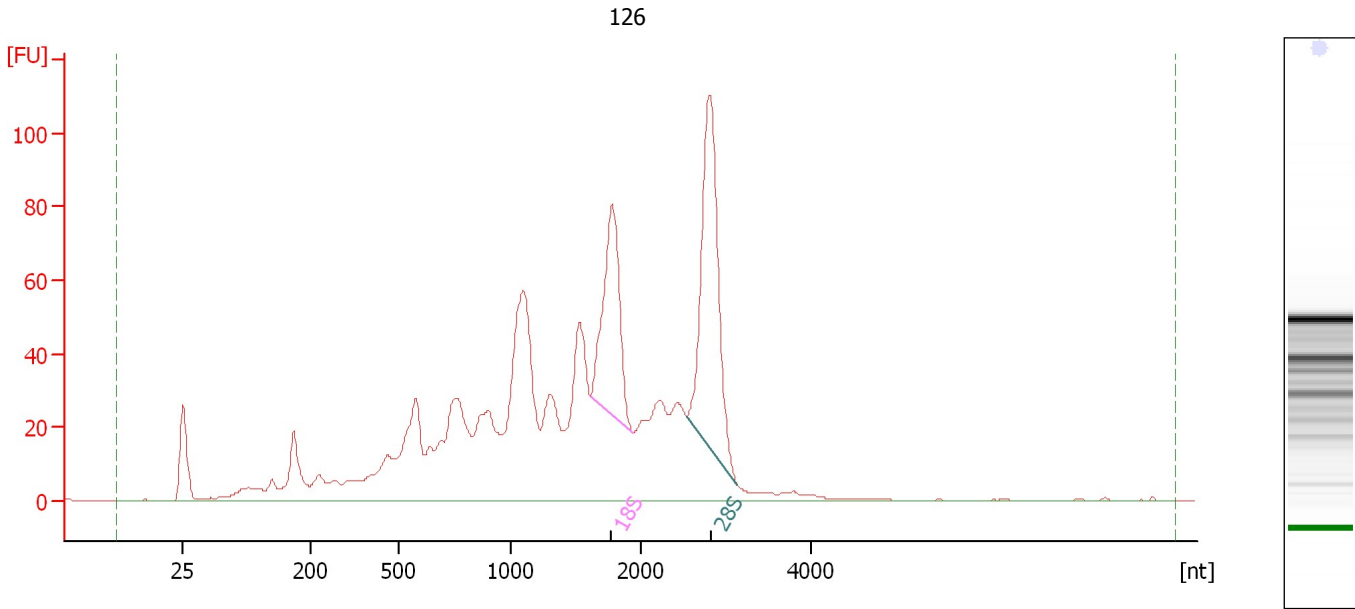
**Fragment table for sample 5 : 125**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	1,891	321.0	9.8
28S	2,478	3,109	446.2	13.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 126**

RNA Area:	1,411.5	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	4,480 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: 6.70

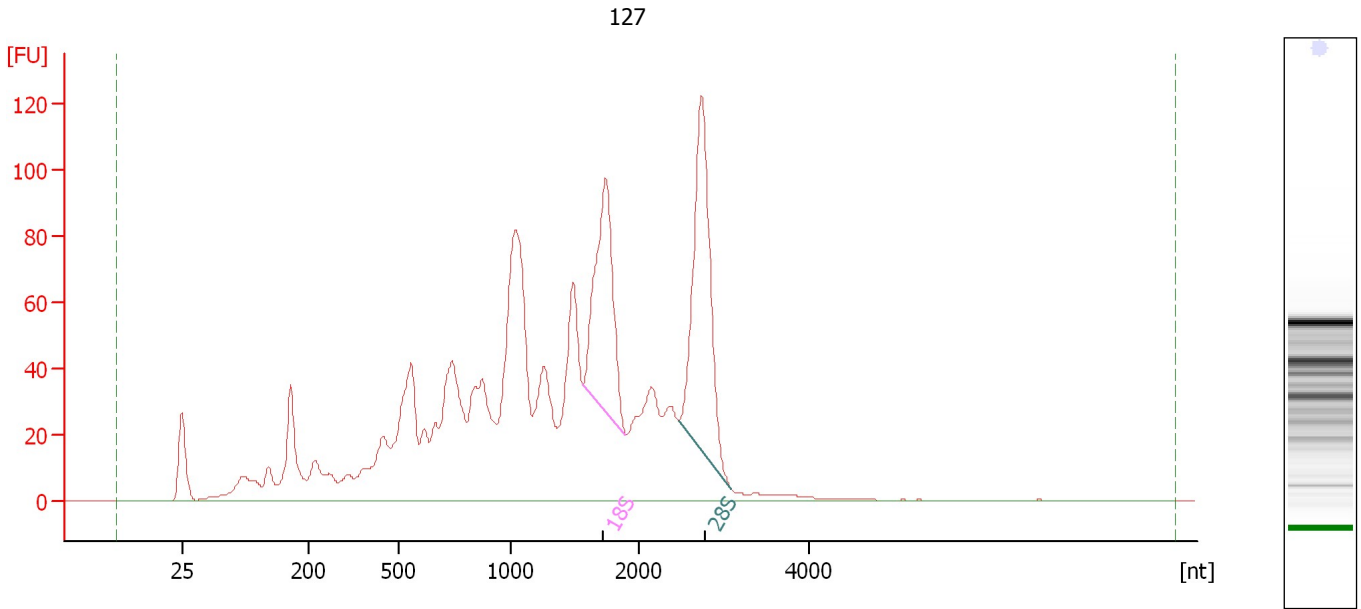
**Fragment table for sample 6 : 126**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,607	1,929	116.7	8.3
28S	2,543	3,131	181.0	12.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 127**

RNA Area:	1,856.7	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	5,893 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: 6.40

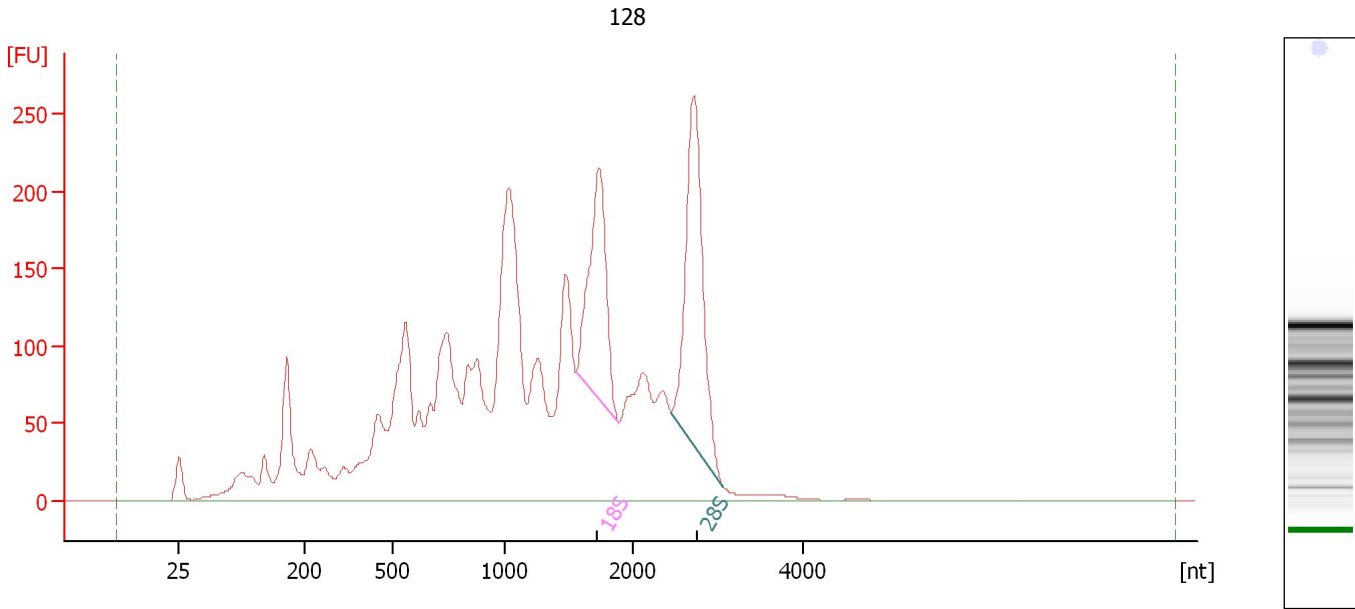
**Fragment table for sample 7 : 127**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,564	1,895	157.4	8.5
28S	2,468	3,083	205.2	11.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 128**

RNA Area: 4,499.3                      RNA Integrity Number (RIN): 6 (B.02.08)  
RNA Concentration: 14,280 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4                      Result Flagging Label: RIN:6

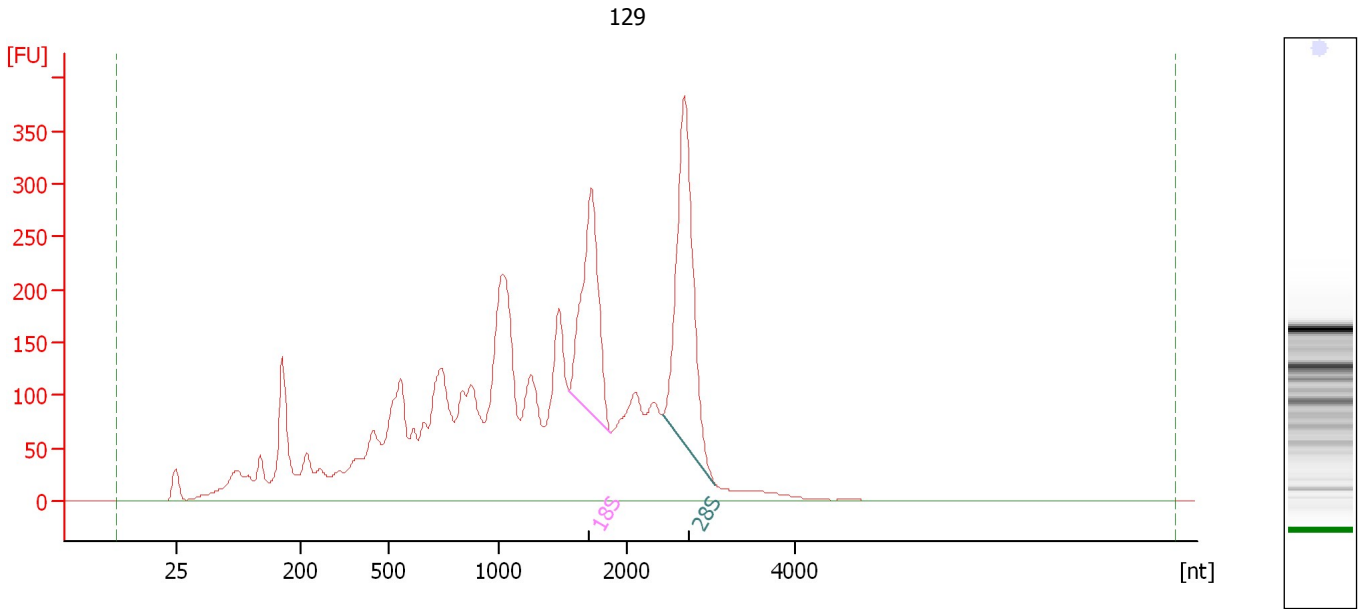
**Fragment table for sample 8 : 128**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,885	323.9	7.2
28S	2,457	3,075	441.4	9.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 129**

RNA Area: 5,761.8                      RNA Integrity Number (RIN): 6.3 (B.02.08)  
RNA Concentration: 18,287 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4                      Result Flagging Label: RIN: 6.30

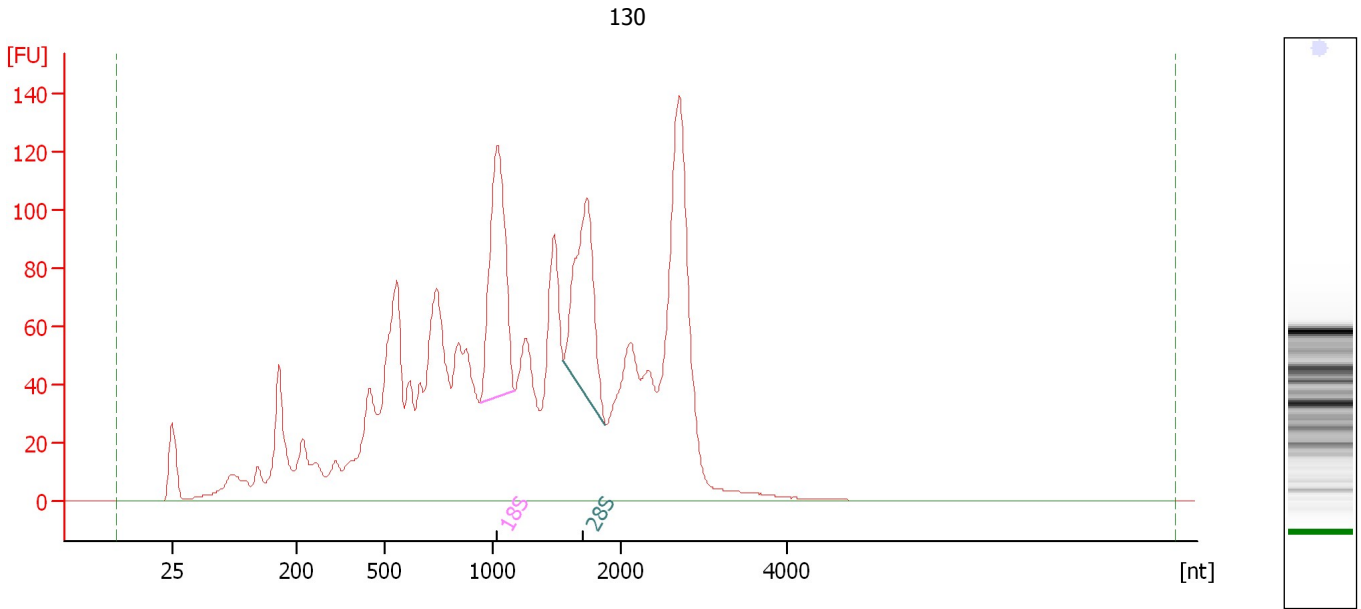
**Fragment table for sample 9 : 129**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,547	1,874	451.6	7.8
28S	2,420	3,055	634.8	11.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 130**

RNA Area: 2,659.1                      RNA Integrity Number (RIN): 5.5 (B.02.08)  
RNA Concentration: 8,440 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.8                      Result Flagging Label: RIN: 5.50

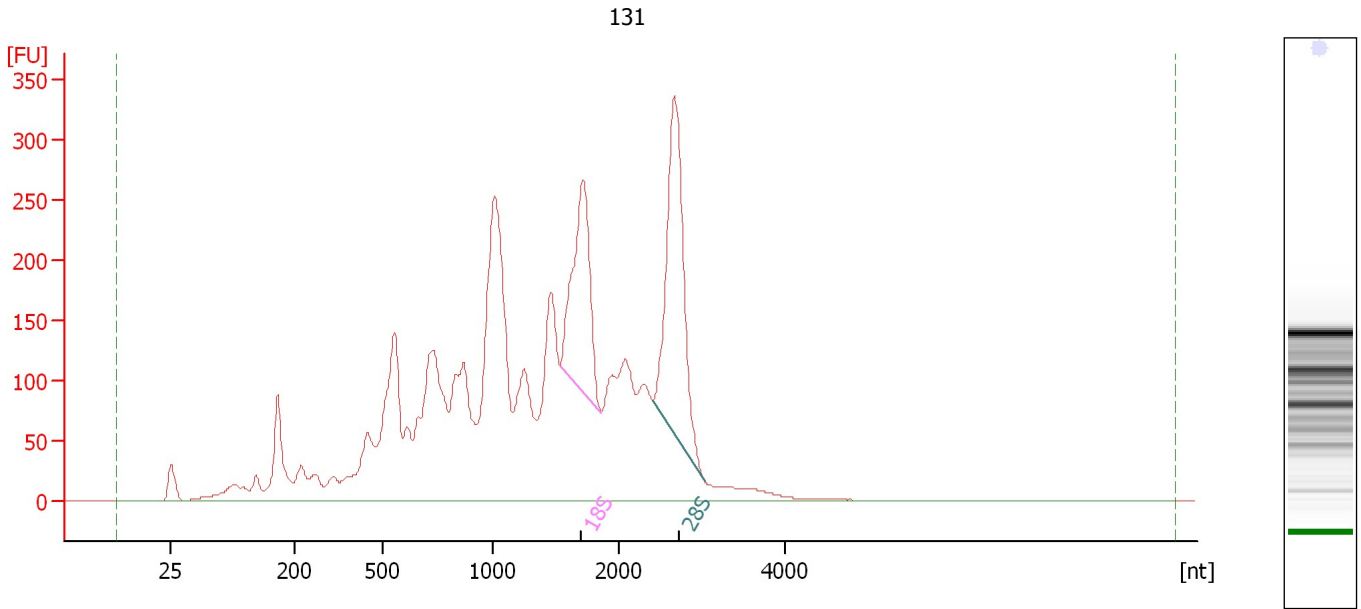
**Fragment table for sample 10 : 130**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	938	1,171	192.0	7.2
28S	1,551	1,880	161.5	6.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 131**

RNA Area:	5,394.7	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	17,122 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]:	1.4	Result Flagging Label:	RIN: 6.10

**Fragment table for sample 11 : 131**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	1,863	387.9	7.2
28S	2,421	3,036	555.1	10.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-25\2018-06-25\_005.xad

Created: 6/25/2018 2:02:57 PM  
Modified: 6/25/2018 2:47:37 PM

**Gel Image**

