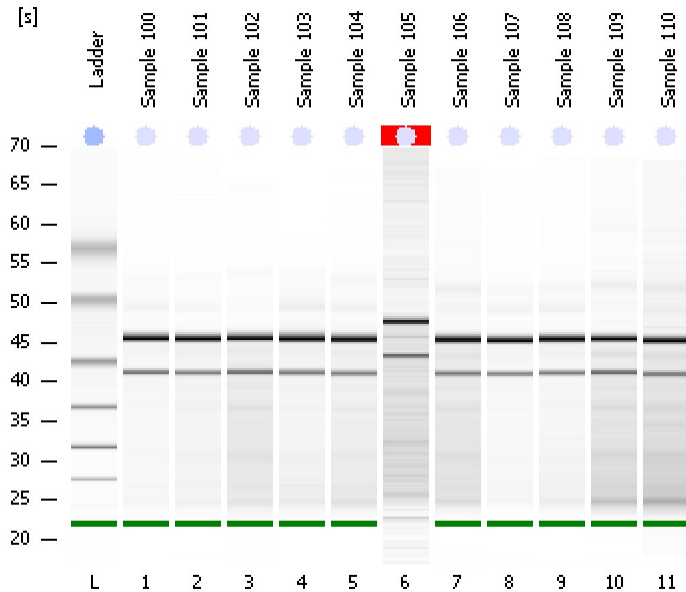


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

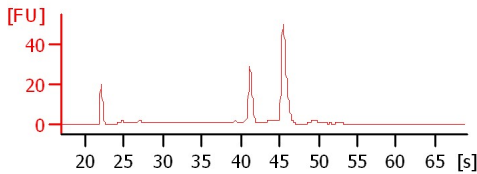
Assay Information:

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.

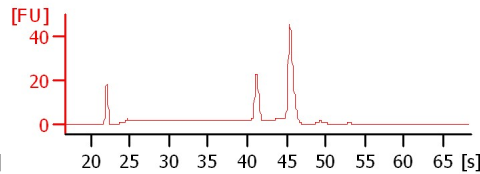
Chip Information:

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

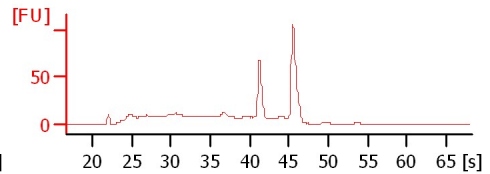
**Sample 100**  
HiSeq1248\_RNAQC  
RIN: 8.60



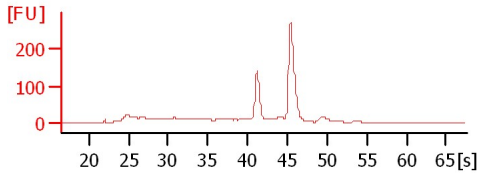
**Sample 101**  
HiSeq1248\_RNAQC  
RIN: 8.20



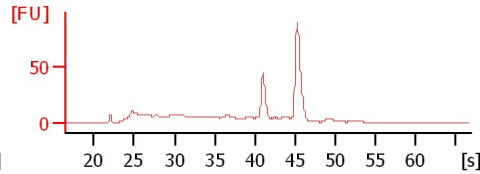
**Sample 102**  
HiSeq1248\_RNAQC  
RIN: 7.30



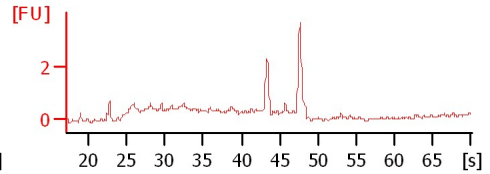
**Sample 103**  
HiSeq1248\_RNAQC  
RIN: 6.50



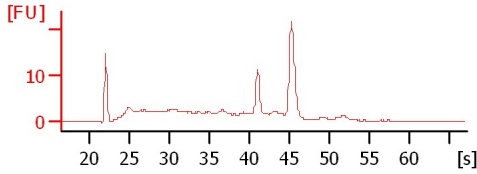
**Sample 104**  
HiSeq1248\_RNAQC  
RIN: 6.30



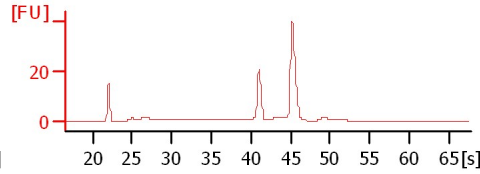
**Sample 105**  
HiSeq1248\_RNAQC  
RIN: 2



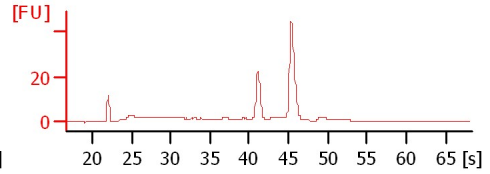
**Sample 106**  
HiSeq1248\_RNAQC  
RIN: 3.90



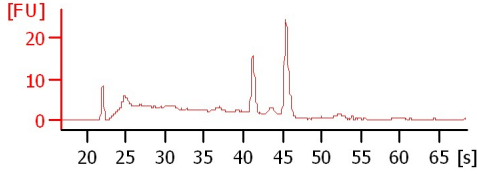
**Sample 107**  
HiSeq1248\_RNAQC  
RIN: 5.60



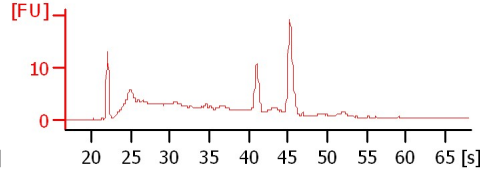
**Sample 108**  
HiSeq1248\_RNAQC  
RIN: 5



**Sample 109**  
HiSeq1248\_RNAQC  
RIN: 5.90



**Sample 110**  
HiSeq1248\_RNAQC  
RIN: 6.80



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 100	HiSeq1248_RNAQC	✓	RIN: 8.60	
Sample 101	HiSeq1248_RNAQC	✓	RIN: 8.20	
Sample 102	HiSeq1248_RNAQC	✓	RIN: 7.30	
Sample 103	HiSeq1248_RNAQC	✓	RIN: 6.50	
Sample 104	HiSeq1248_RNAQC	✓	RIN: 6.30	
Sample 105	HiSeq1248_RNAQC	✓	RIN:2	
Sample 106	HiSeq1248_RNAQC	✓	RIN: 3.90	
Sample 107	HiSeq1248_RNAQC	✓	RIN: 5.60	
Sample 108	HiSeq1248_RNAQC	✓	RIN:5	
Sample 109	HiSeq1248_RNAQC	✓	RIN: 5.90	
Sample 110	HiSeq1248_RNAQC	✓	RIN: 6.80	
Ladder		✓	All Other Samples	

**Chip Lot #**

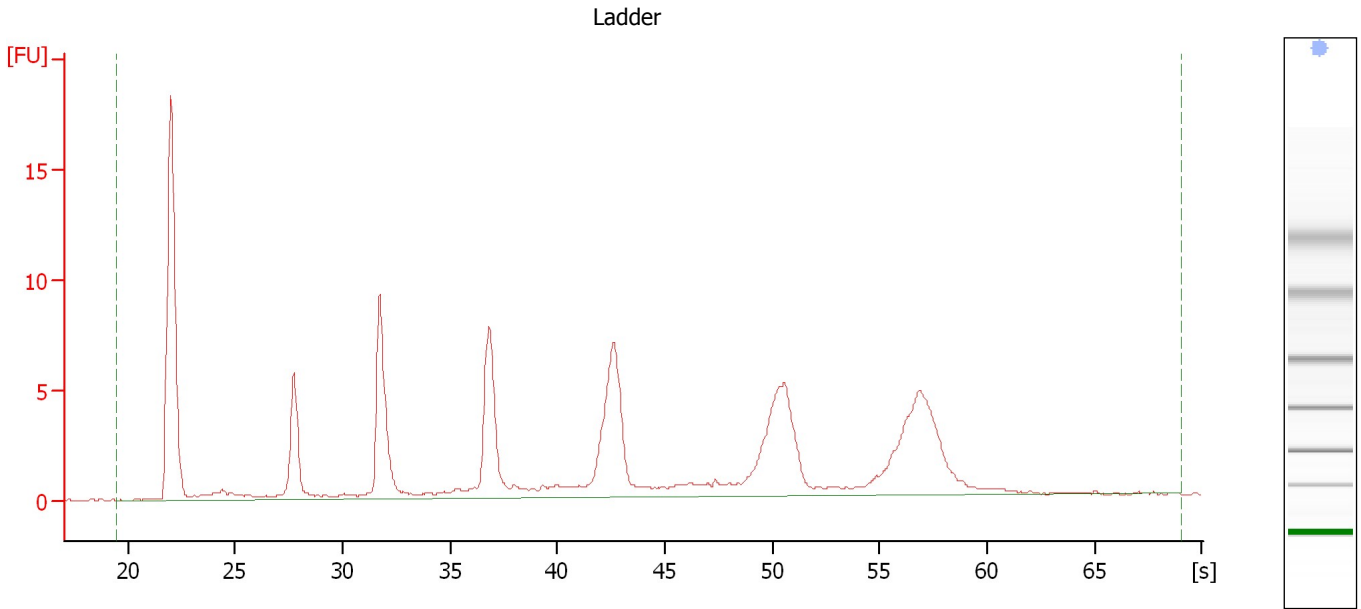
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary**



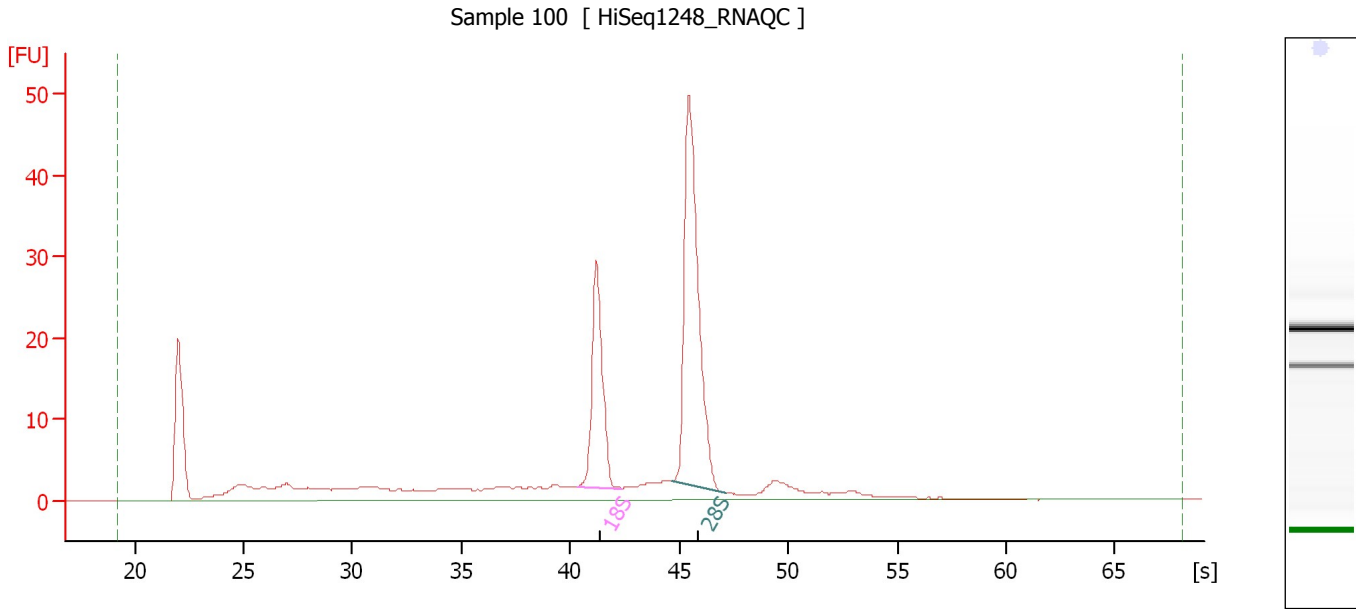
**Overall Results for Ladder**

RNA Area:	104.1	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\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Sample 100**

RNA Area:	241.7	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	2,321 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]:	2.1	Result Flagging Label:	RIN: 8.60

**Fragment table for sample 1 : Sample 100**

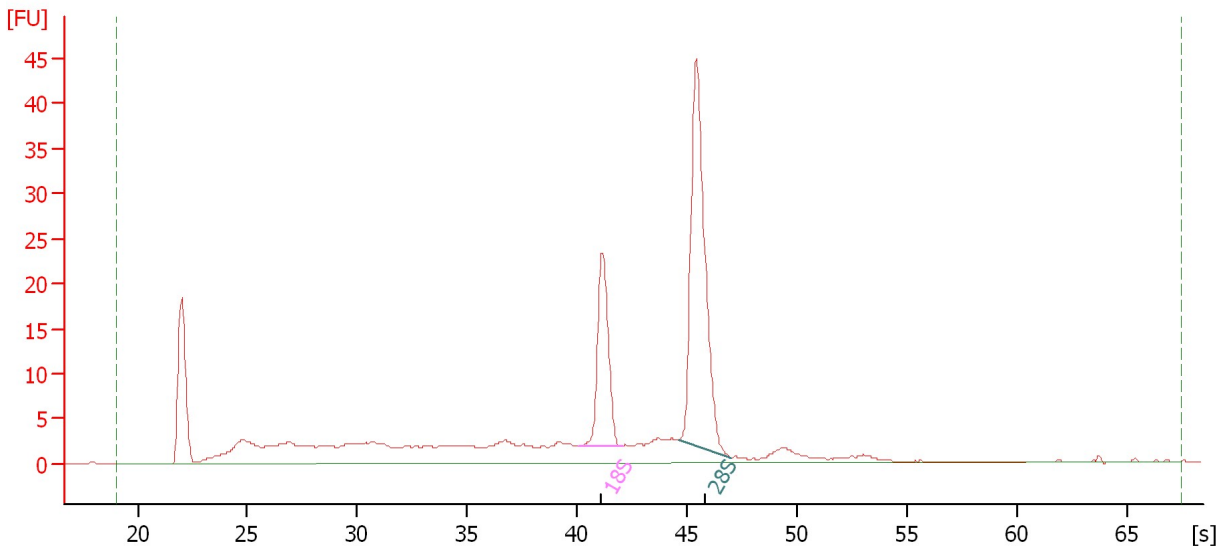
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	1,960	37.2	15.4
28S	2,529	3,141	77.9	32.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
 Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 101 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 2 : Sample 101**

RNA Area:	248.9	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	2,391 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]:	2.4	Result Flagging Label:	RIN: 8.20

**Fragment table for sample 2 : Sample 101**

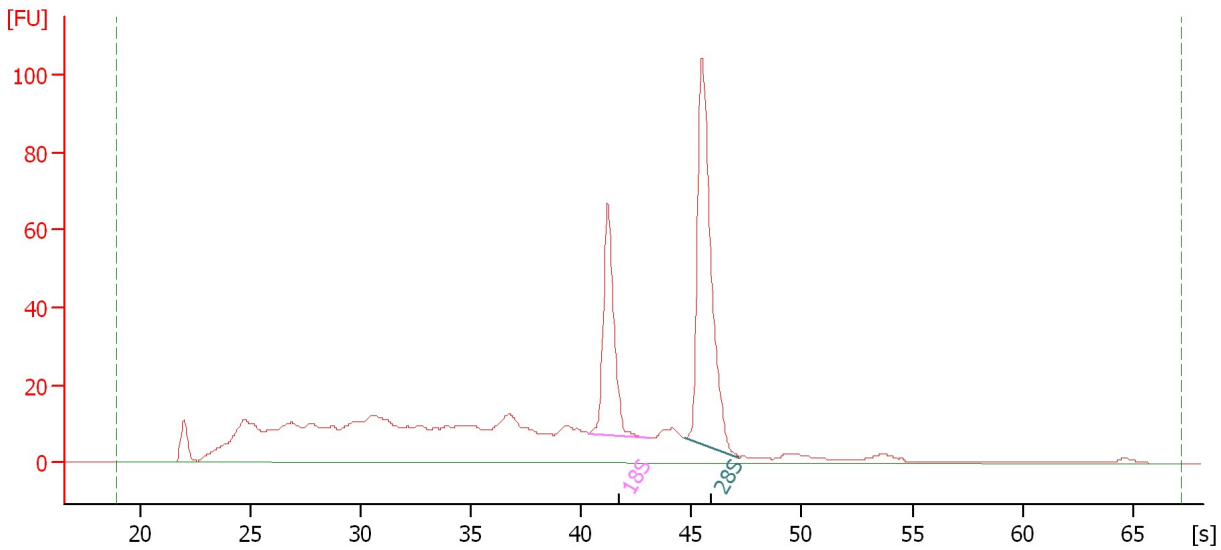
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,904	29.3	11.8
28S	2,502	3,109	68.8	27.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 102 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 3 : Sample 102**

RNA Area:	858.9	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	8,248 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]:	1.9	Result Flagging Label:	RIN: 7.30

**Fragment table for sample 3 : Sample 102**

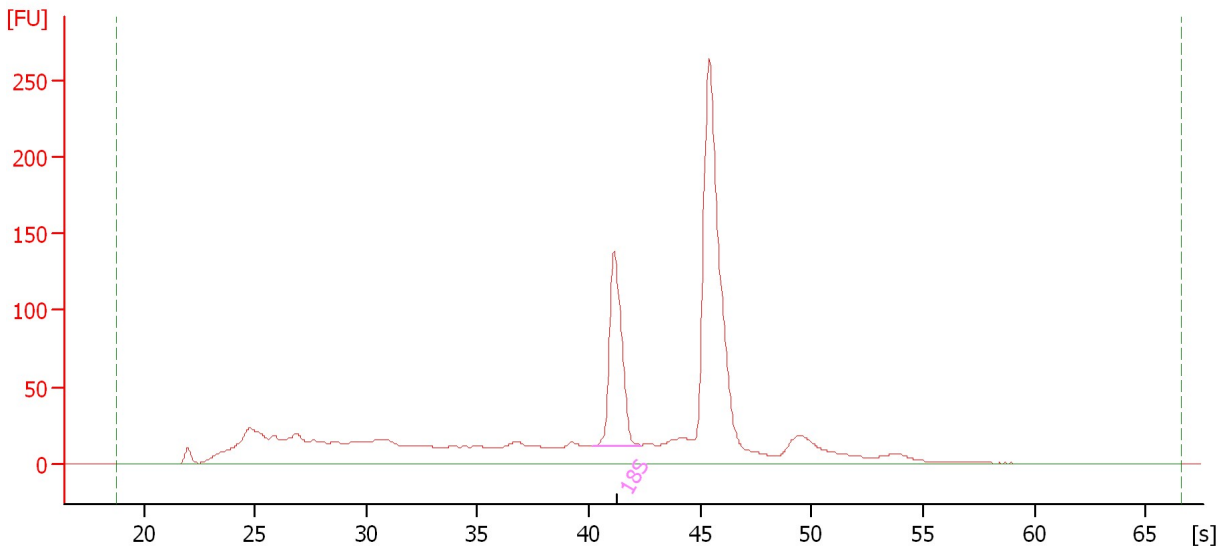
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	2,144	80.5	9.4
28S	2,526	3,155	154.8	18.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 103 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 4 : Sample 103**

RNA Area:	1,725.3	RNA Integrity Number (RIN):	6.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	16,568 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: 6.50

**Fragment table for sample 4 : Sample 103**

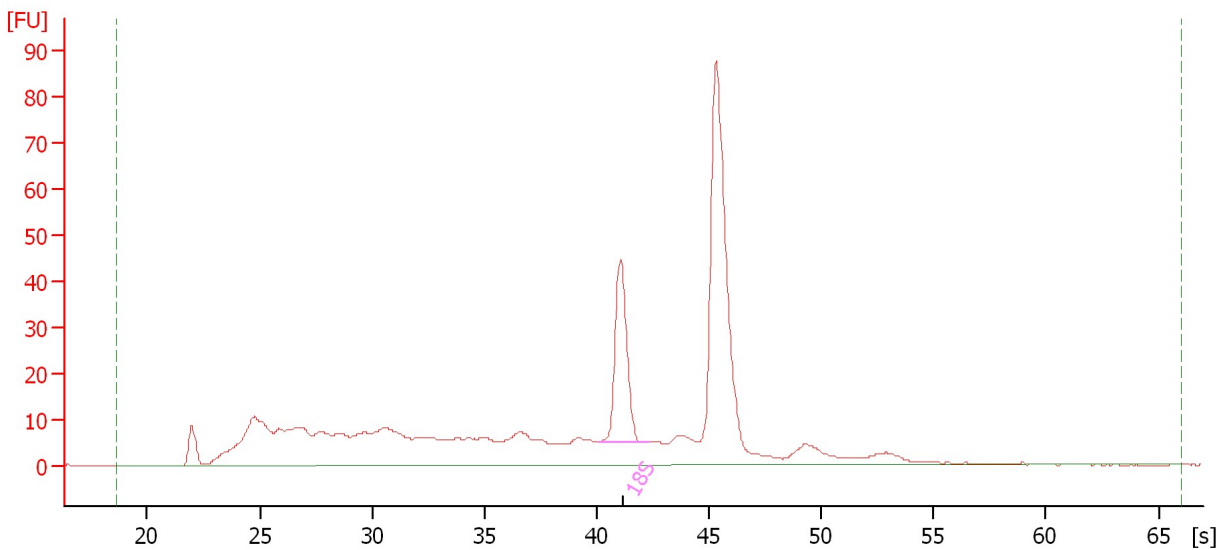
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,584	1,958	195.8	11.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
 Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 104 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 5 : Sample 104**

RNA Area:	657.6	RNA Integrity Number (RIN):	6.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,315 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: 6.30

**Fragment table for sample 5 : Sample 104**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	1,944	57.9	8.8

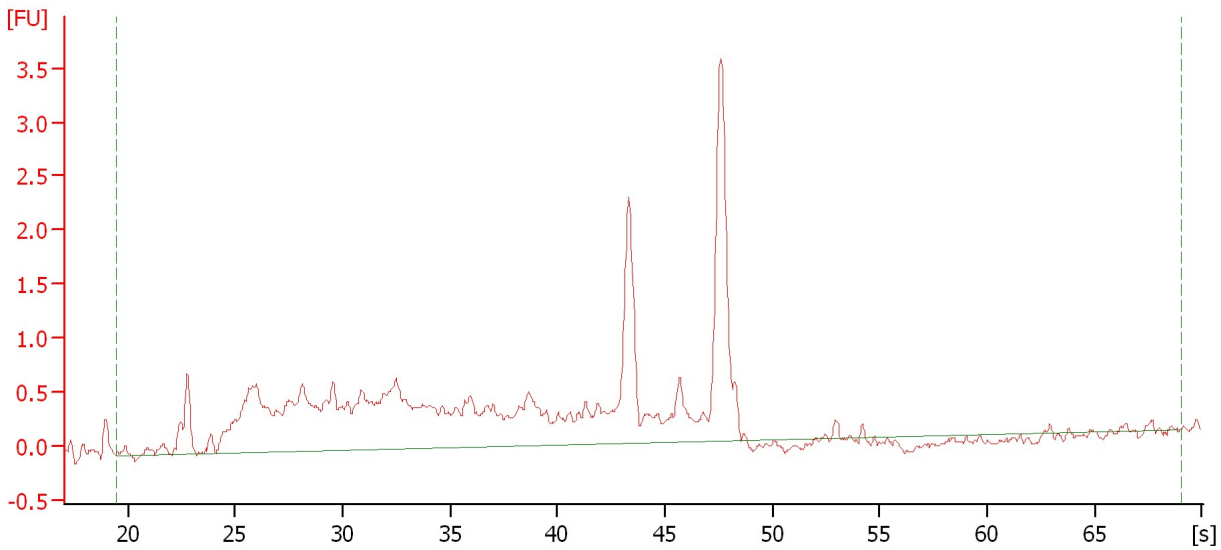


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 105 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 6 : Sample 105**

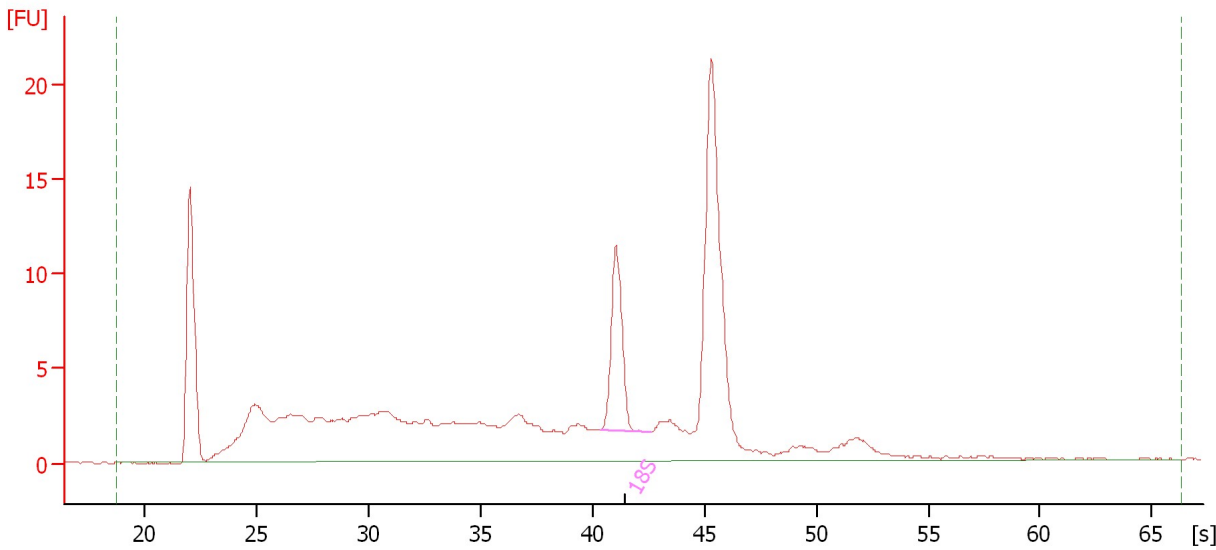
RNA Area:	32.4	RNA Integrity Number (RIN):	2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	311 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 106 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 7 : Sample 106**

RNA Area:	192.7	RNA Integrity Number (RIN):	3.9 (B.02.08)
RNA Concentration:	1,850 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: 3.90

**Fragment table for sample 7 : Sample 106**

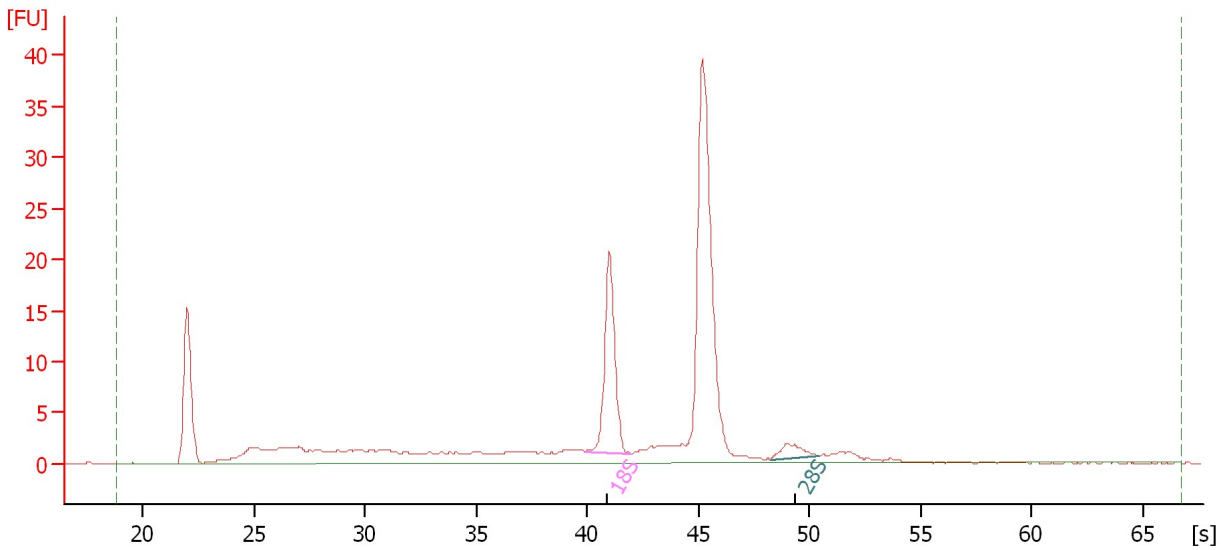
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	1,992	13.2	6.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 107 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 8 : Sample 107**

RNA Area: 173.1                      RNA Integrity Number (RIN): 5.6 (B.02.08)  
RNA Concentration: 1,662 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.1                      Result Flagging Label: RIN: 5.60

**Fragment table for sample 8 : Sample 107**

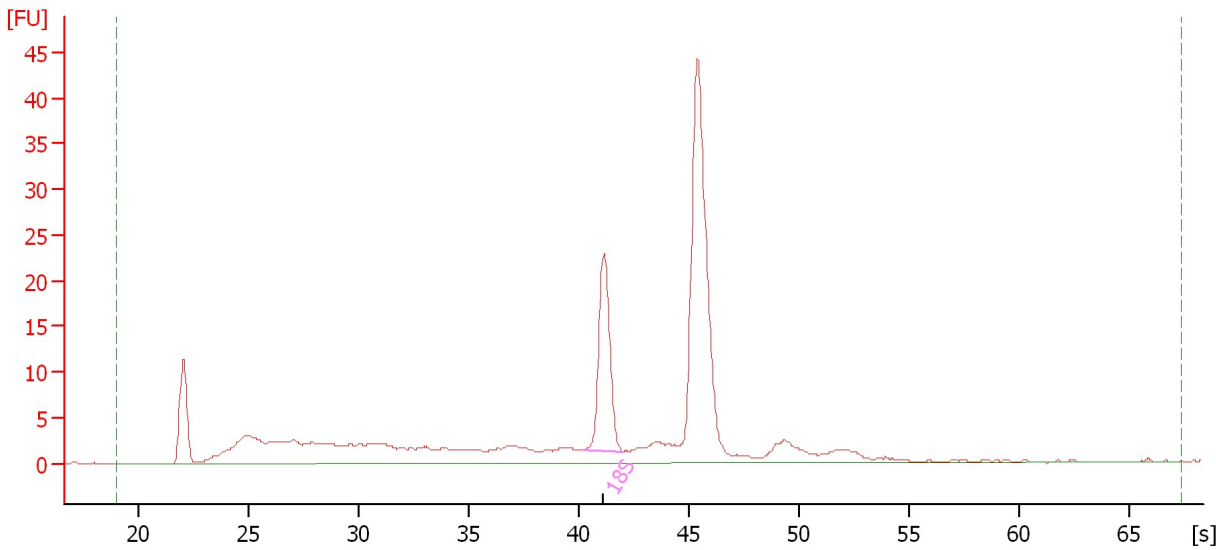
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	1,899	25.4	14.6
28S	3,431	3,982	3.0	1.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 108 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 9 : Sample 108**

RNA Area:	242.0	RNA Integrity Number (RIN):	5 (B.02.08)
RNA Concentration:	2,324 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:5

**Fragment table for sample 9 : Sample 108**

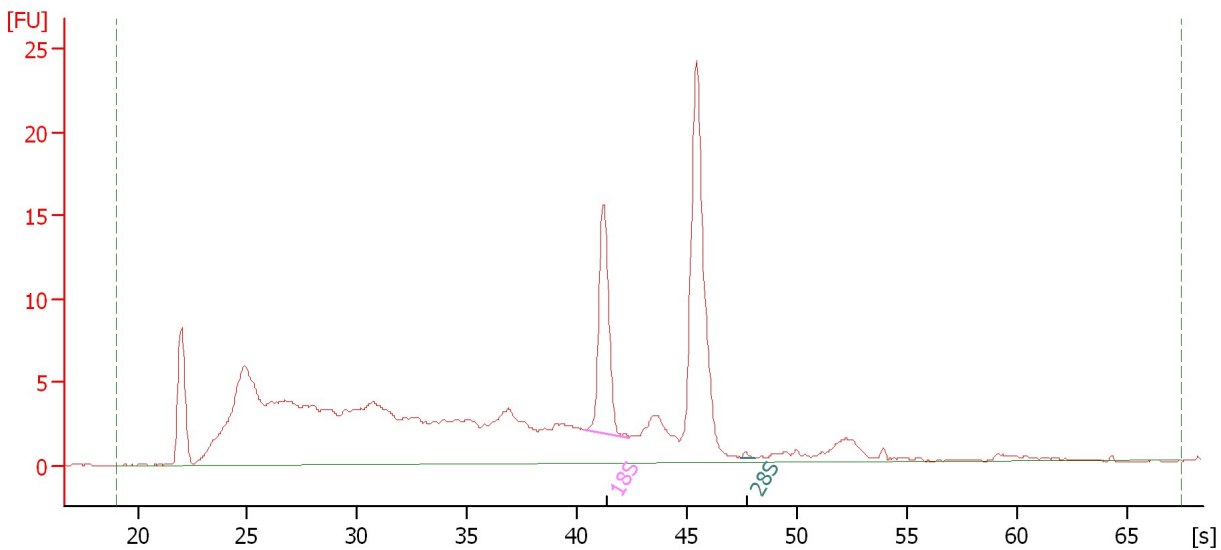
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,896	30.4	12.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 109 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 10 : Sample 109**

RNA Area: 254.7                      RNA Integrity Number (RIN): 5.9 (B.02.08)  
RNA Concentration: 2,446 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.0              Result Flagging Label: RIN: 5.90

**Fragment table for sample 10 : Sample 109**

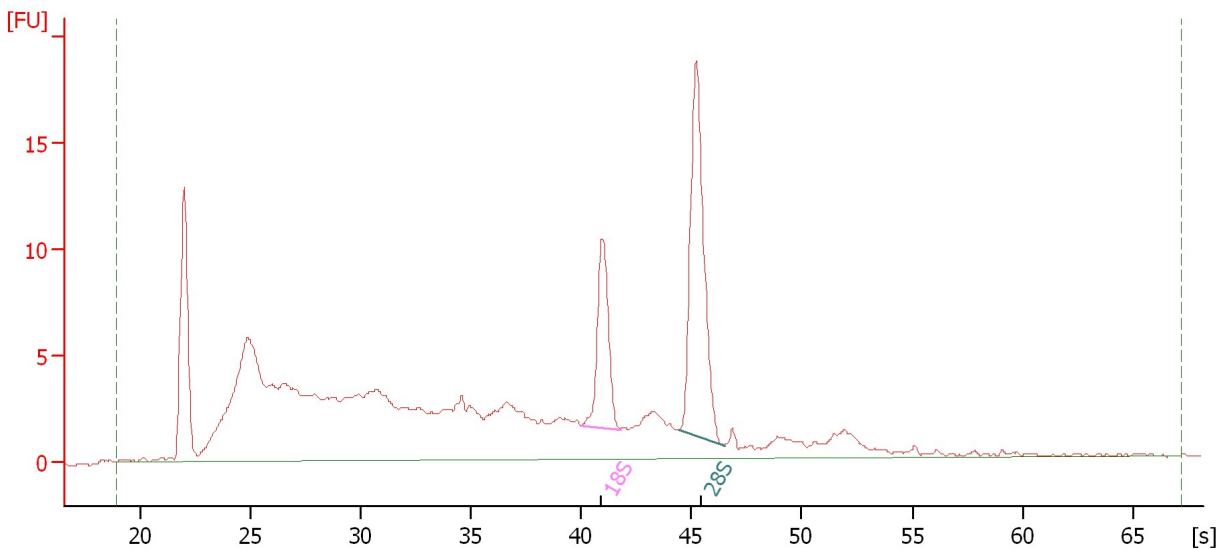
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,617	1,963	17.1	6.7
28S	3,233	3,394	0.2	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
 Modified: 1/3/2018 4:52:25 PM

**Electropherogram Summary Continued ...**

Sample 110 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 11 : Sample 110**

RNA Area:	231.6	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	2,224 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]:	2.2	Result Flagging Label:	RIN: 6.80

**Fragment table for sample 11 : Sample 110**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,553	1,855	12.4	5.4
28S	2,453	2,982	27.3	11.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_008.xad

Created: 1/3/2018 4:16:28 PM  
Modified: 1/3/2018 4:52:25 PM

**Gel Image**

