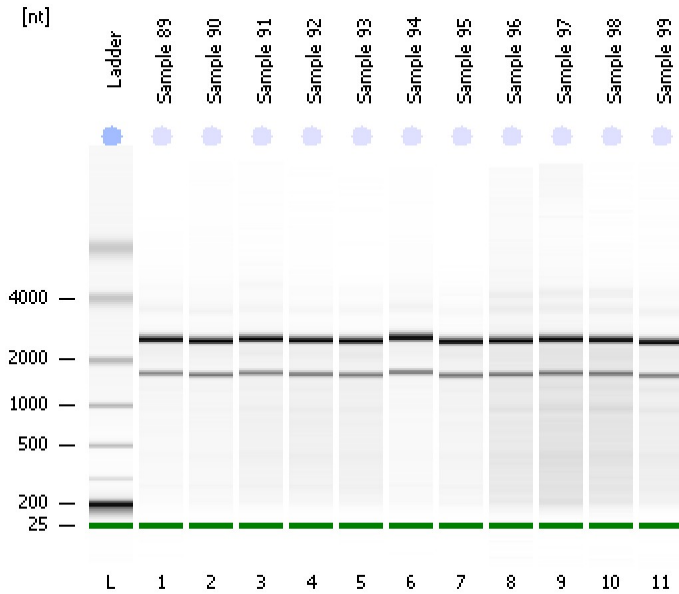


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

Electrophoresis File Run Summary



Instrument Information:

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

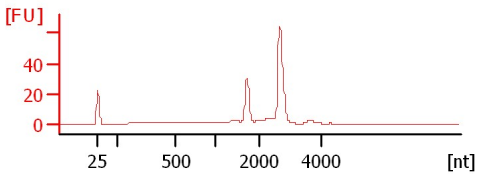
Assay Information:

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.

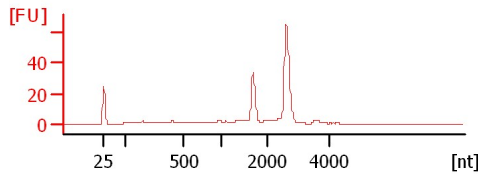
Chip Information:

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

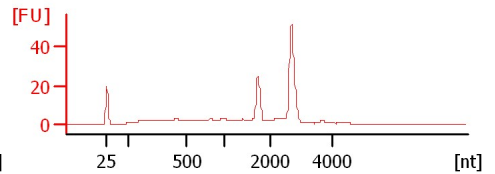
**Sample 89**  
HiSeq1248\_RNAQC  
RIN: 8.50



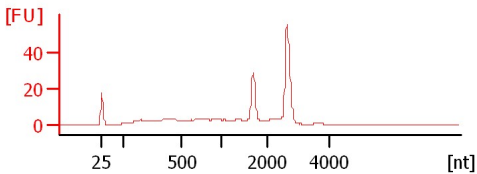
**Sample 90**  
HiSeq1248\_RNAQC  
RIN: 5.80



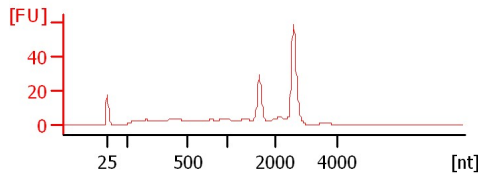
**Sample 91**  
HiSeq1248\_RNAQC  
RIN: 4.90



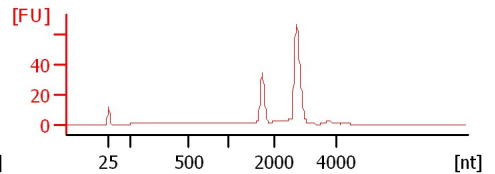
**Sample 92**  
HiSeq1248\_RNAQC  
RIN: 8



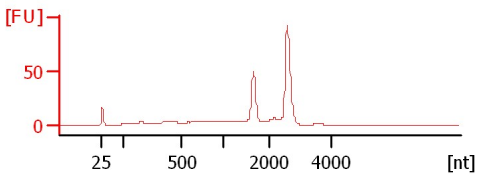
**Sample 93**  
HiSeq1248\_RNAQC  
RIN: 8



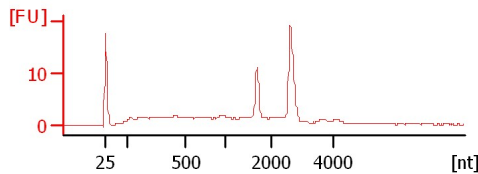
**Sample 94**  
HiSeq1248\_RNAQC  
RIN: 8.80



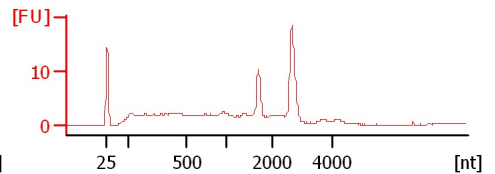
**Sample 95**  
HiSeq1248\_RNAQC  
RIN: 8.20



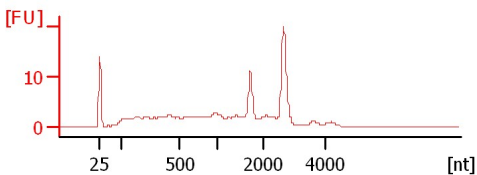
**Sample 96**  
HiSeq1248\_RNAQC  
RIN: 4.30



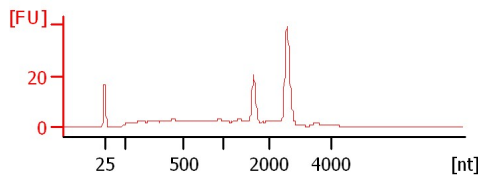
**Sample 97**  
HiSeq1248\_RNAQC  
RIN: 3.80



**Sample 98**  
HiSeq1248\_RNAQC  
RIN: 3.90



**Sample 99**  
HiSeq1248\_RNAQC  
RIN: 7.90



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 89	HiSeq1248_RNAQC	✓	RIN: 8.50	
Sample 90	HiSeq1248_RNAQC	✓	RIN: 5.80	
Sample 91	HiSeq1248_RNAQC	✓	RIN: 4.90	
Sample 92	HiSeq1248_RNAQC	✓	RIN:8	
Sample 93	HiSeq1248_RNAQC	✓	RIN:8	
Sample 94	HiSeq1248_RNAQC	✓	RIN: 8.80	
Sample 95	HiSeq1248_RNAQC	✓	RIN: 8.20	
Sample 96	HiSeq1248_RNAQC	✓	RIN: 4.30	
Sample 97	HiSeq1248_RNAQC	✓	RIN: 3.80	
Sample 98	HiSeq1248_RNAQC	✓	RIN: 3.90	
Sample 99	HiSeq1248_RNAQC	✓	RIN: 7.90	
Ladder		✓	All Other Samples	

**Chip Lot #**

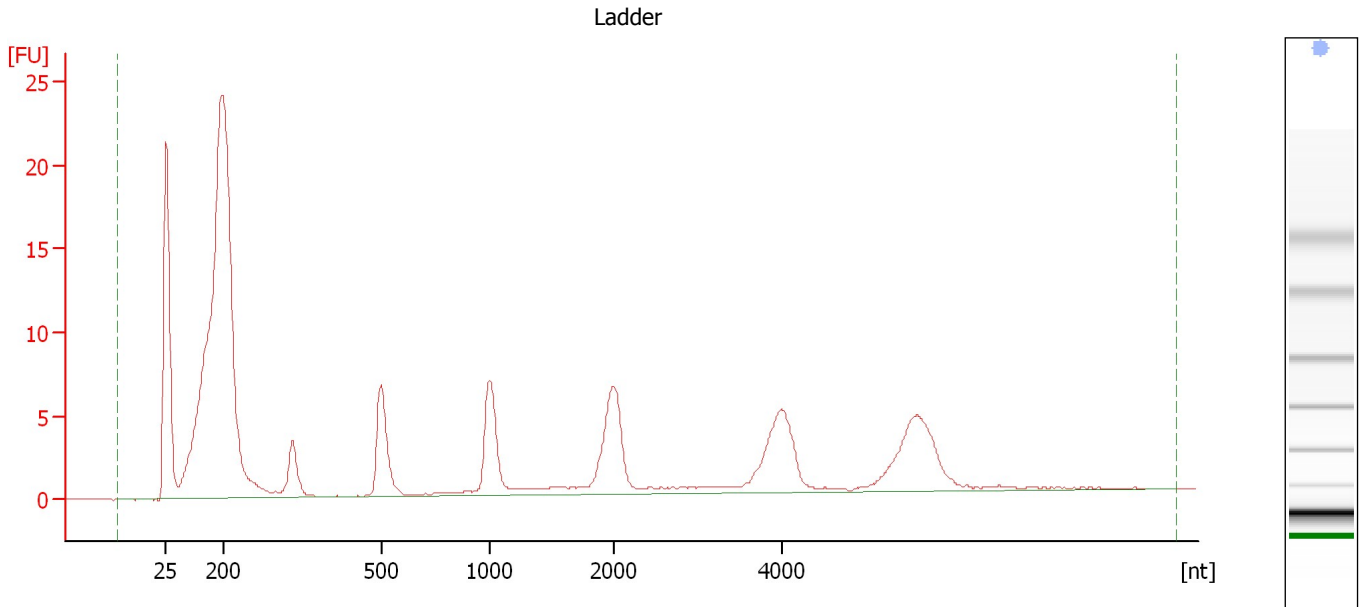
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary**



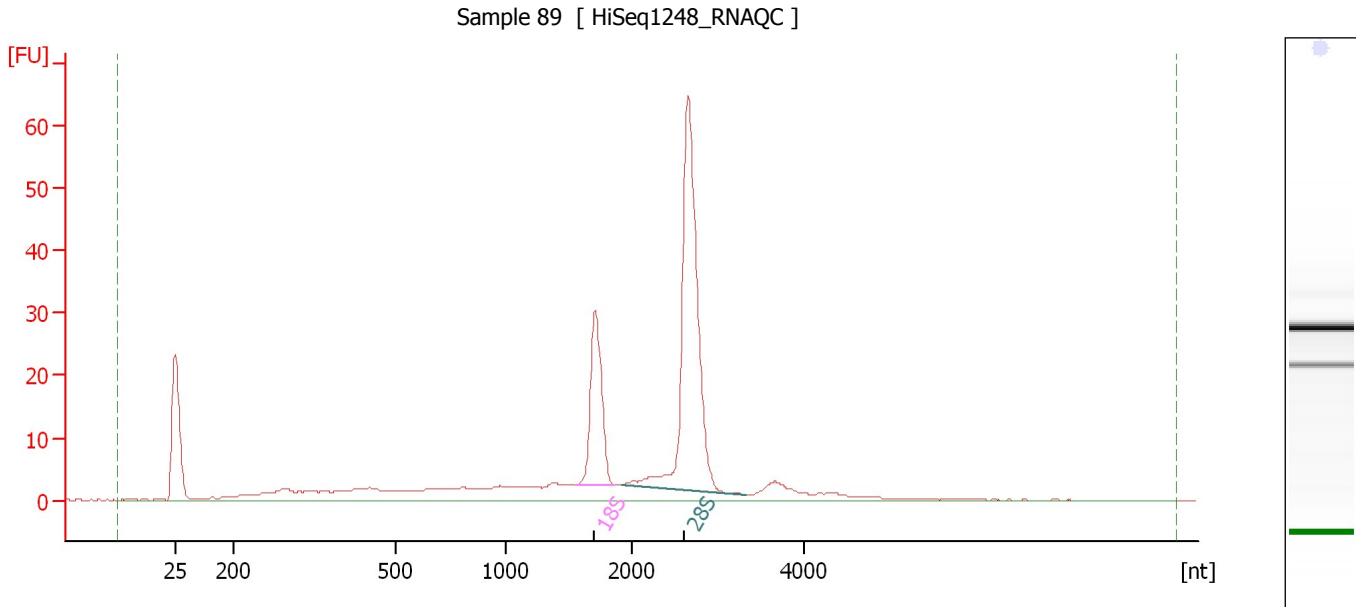
**Overall Results for Ladder**

RNA Area:	212.1	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\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Sample 89**

RNA Area:	289.4	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	1,364 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]:	2.8	Result Flagging Label:	RIN: 8.50

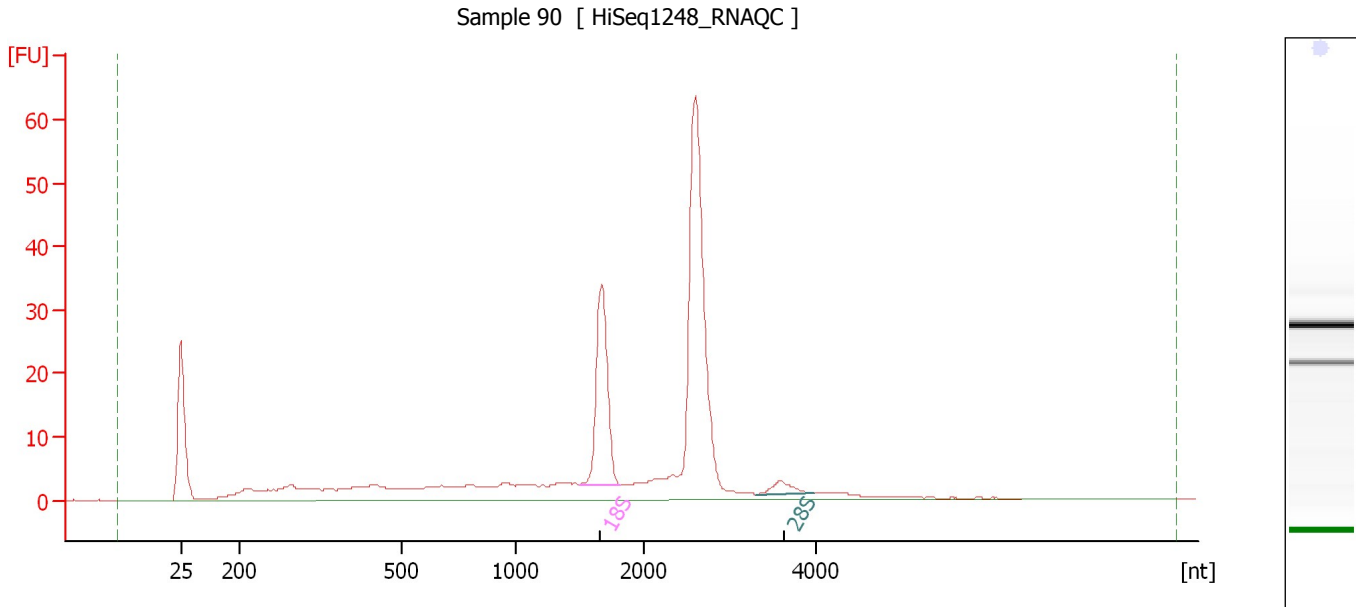
**Fragment table for sample 1 : Sample 89**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,859	40.9	14.1
28S	1,918	3,327	114.5	39.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sample 90**

RNA Area:	301.5	RNA Integrity Number (RIN):	5.8 (B.02.08)
RNA Concentration:	1,421 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: 5.80

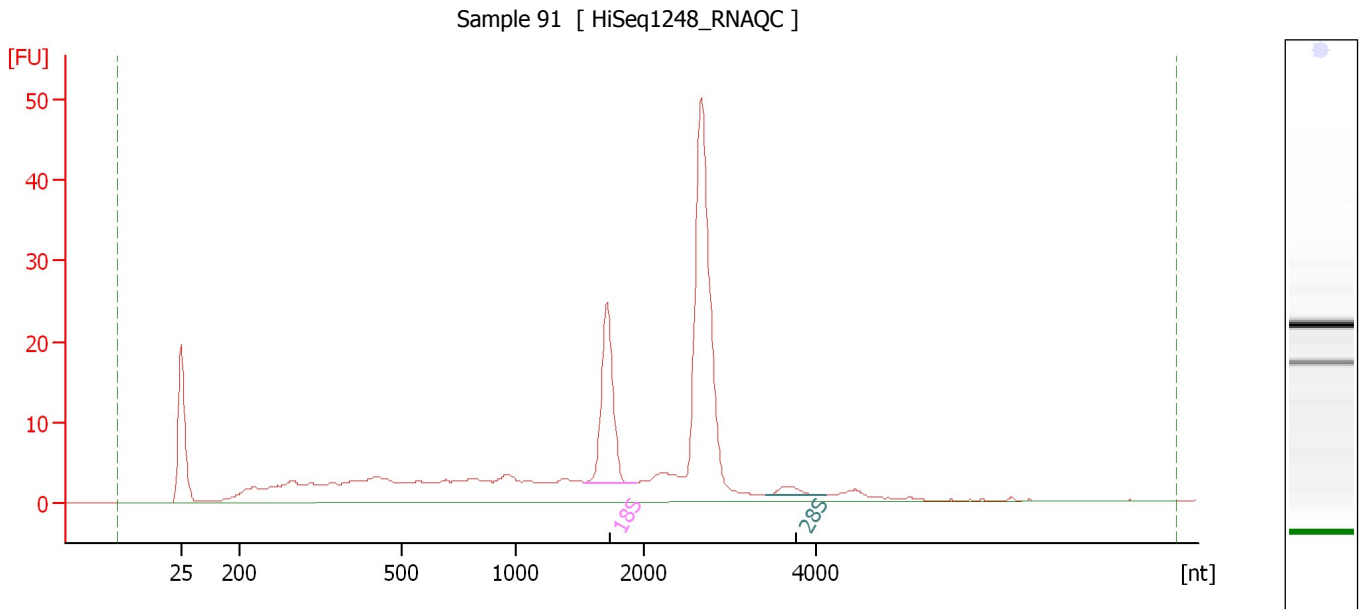
**Fragment table for sample 2 : Sample 90**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,503	1,820	45.0	14.9
28S	3,302	3,968	4.3	1.4

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
 Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Sample 91**

RNA Area:	294.4	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	1,388 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: 4.90

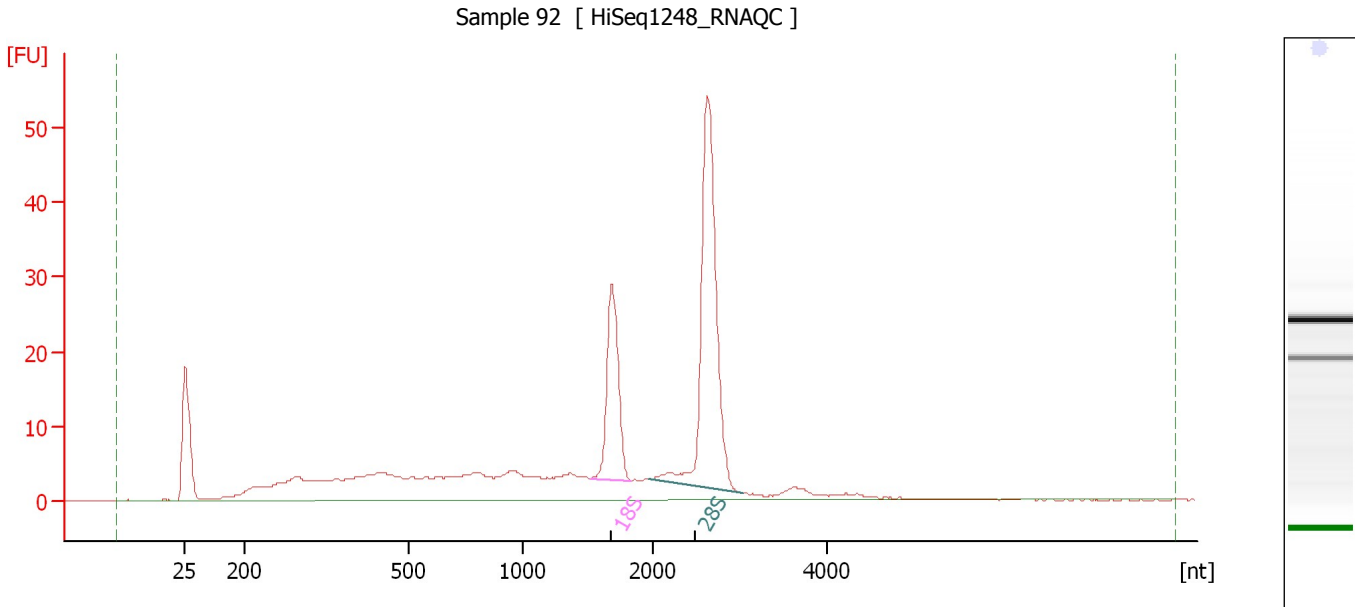
**Fragment table for sample 3 : Sample 91**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	1,945	32.9	11.2
28S	3,425	4,104	2.7	0.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 92**

RNA Area:	324.2	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	1,529 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

**Fragment table for sample 4 : Sample 92**

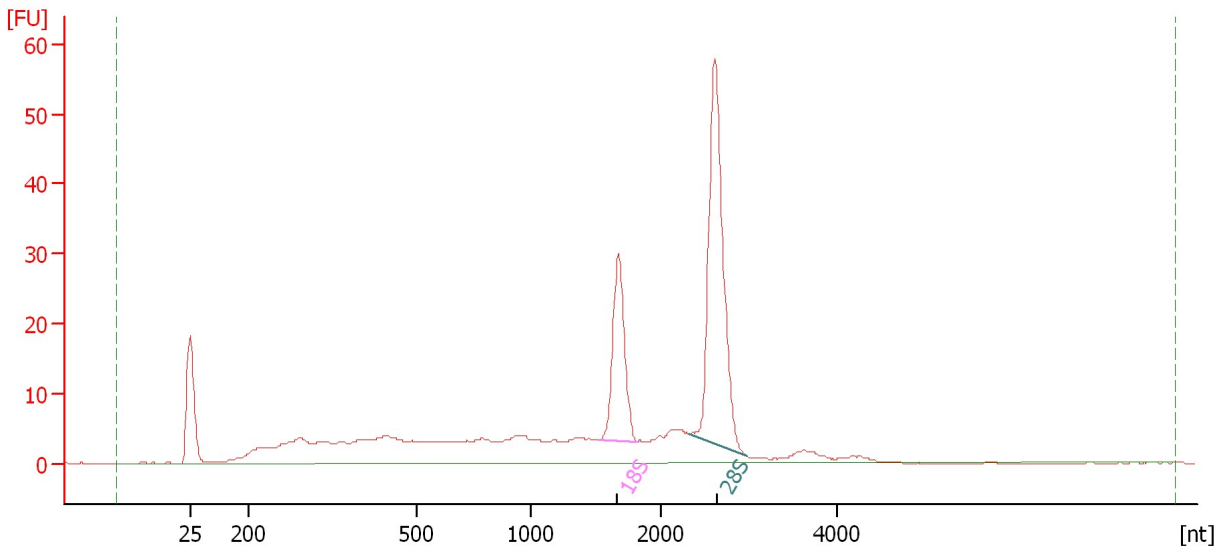
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,518	1,832	37.6	11.6
28S	1,972	3,021	89.4	27.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**

Sample 93 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 5 : Sample 93**

RNA Area: 342.3                      RNA Integrity Number (RIN): 8 (B.02.08)  
RNA Concentration: 1,613 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.3                      Result Flagging Label: RIN:8

**Fragment table for sample 5 : Sample 93**

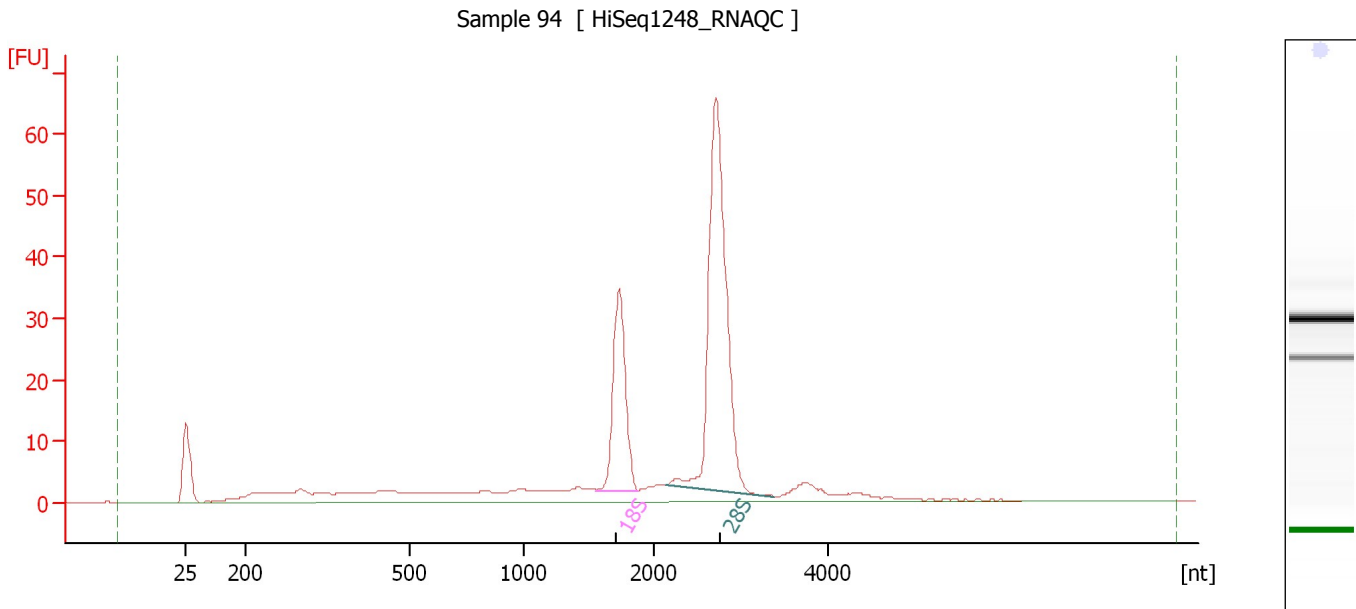
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,810	39.1	11.4
28S	2,324	2,978	89.5	26.2



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Sample 94**

RNA Area:	312.0	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	1,471 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]:	2.5	Result Flagging Label:	RIN: 8.80

**Fragment table for sample 6 : Sample 94**

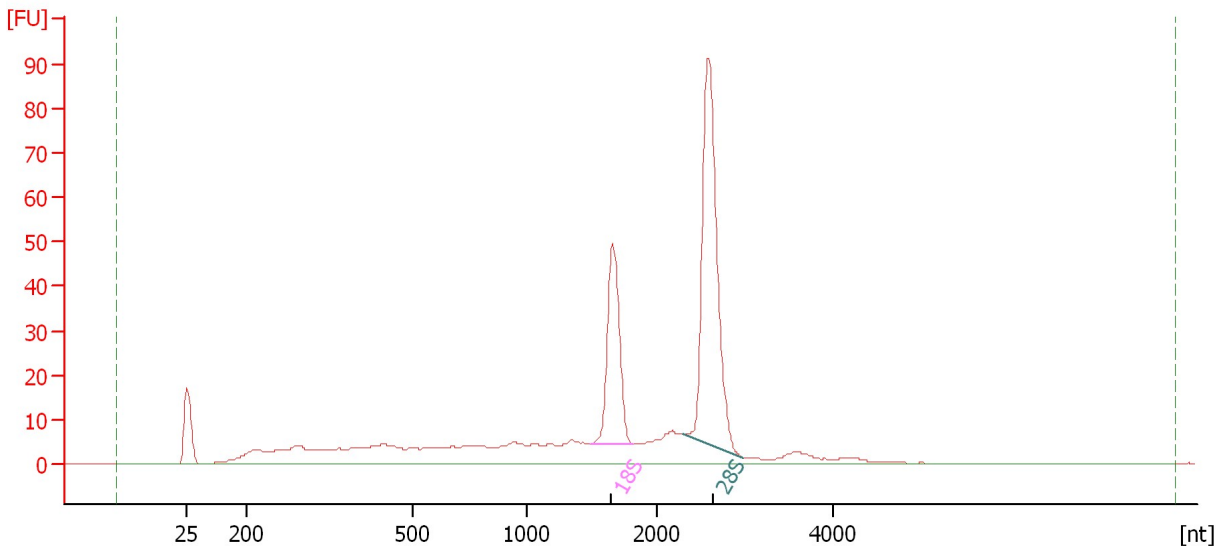
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,881	50.1	16.1
28S	2,130	3,375	124.7	40.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**

Sample 95 [ HiSeq1248\_RNAQC ]



**Overall Results for sample 7 : Sample 95**

RNA Area: 498.5                      RNA Integrity Number (RIN): 8.2 (B.02.08)  
RNA Concentration: 2,350 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1                      Result Flagging Label: RIN: 8.20

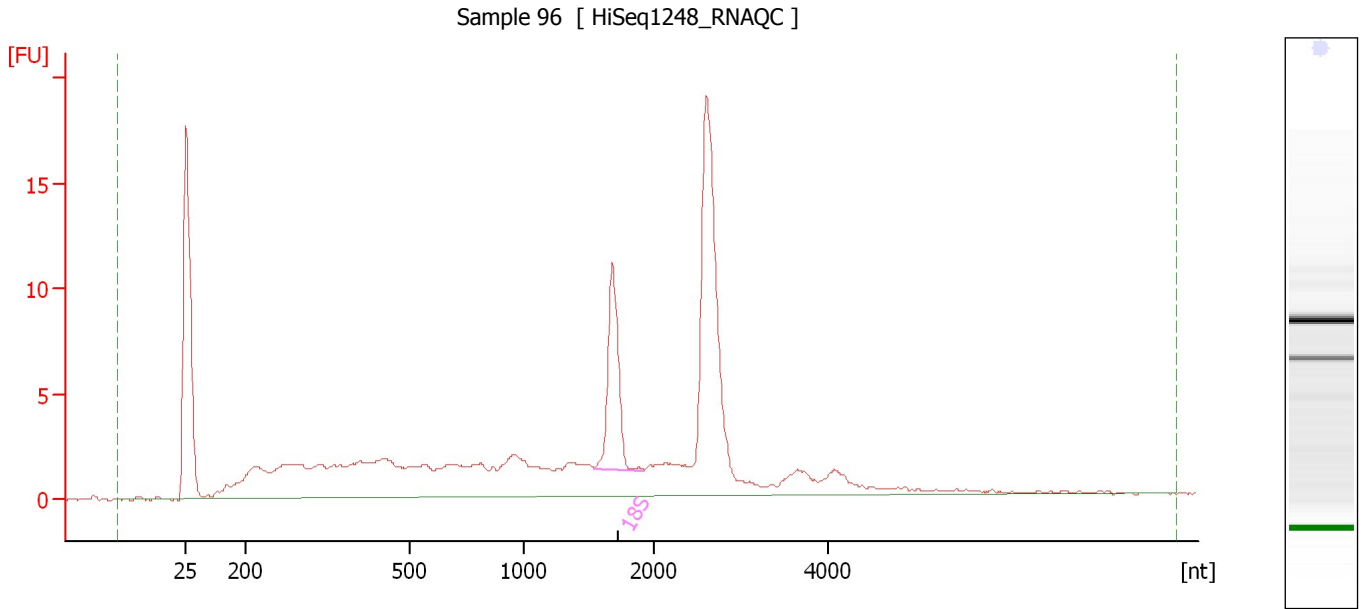
**Fragment table for sample 7 : Sample 95**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,808	68.0	13.6
28S	2,301	2,969	144.9	29.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Sample 96**

RNA Area:	151.8	RNA Integrity Number (RIN):	4.3 (B.02.08)
RNA Concentration:	716 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]:	0.0	Result Flagging Label:	RIN: 4.30

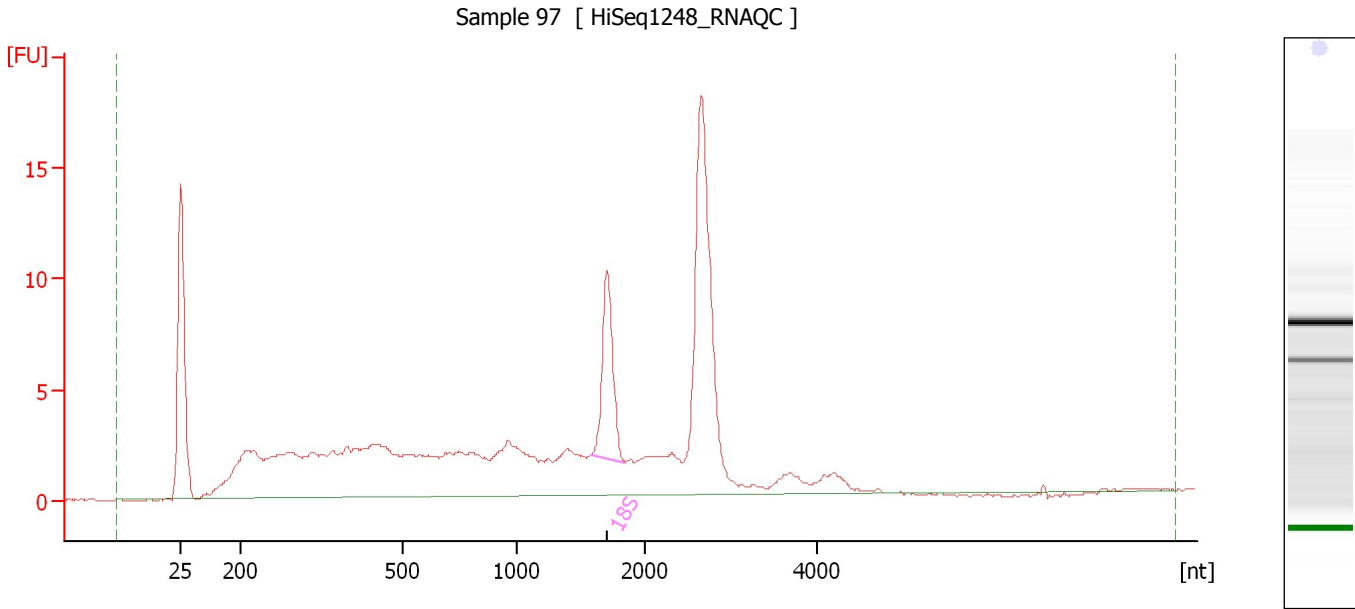
**Fragment table for sample 8 : Sample 96**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,543	1,931	12.6	8.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Sample 97**

RNA Area:	171.5	RNA Integrity Number (RIN):	3.8 (B.02.08)
RNA Concentration:	808 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]:	0.0	Result Flagging Label:	RIN: 3.80

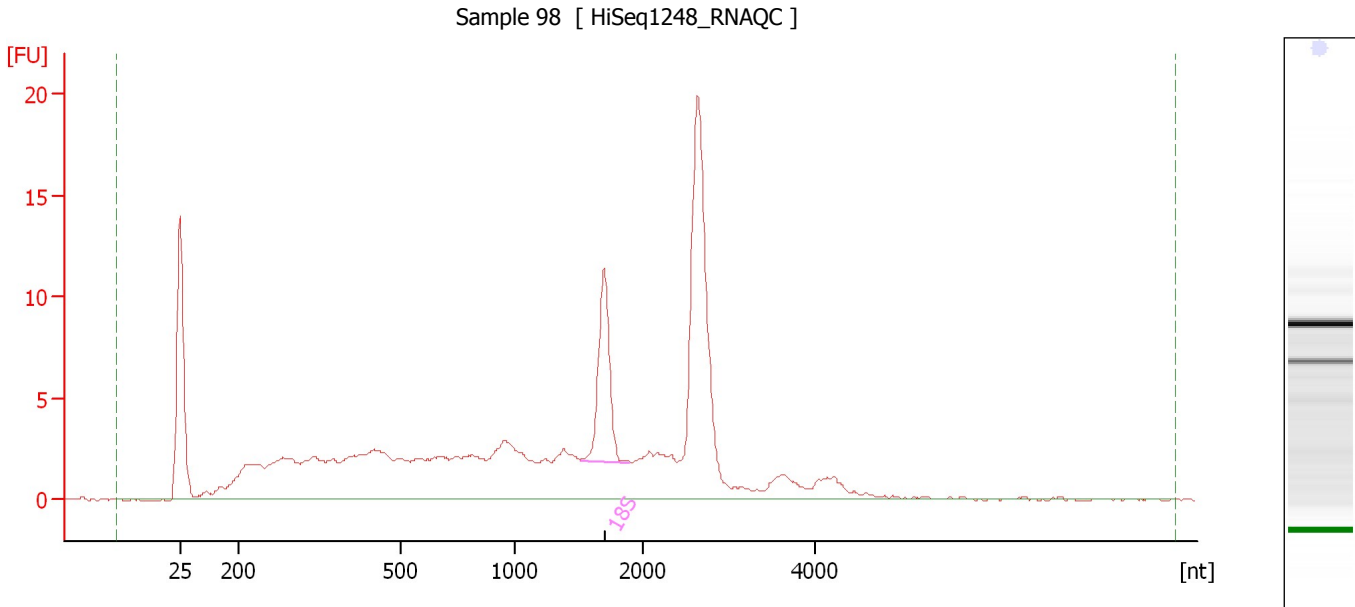
**Fragment table for sample 9 : Sample 97**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,854	11.6	6.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Sample 98**

RNA Area:	184.3	RNA Integrity Number (RIN):	3.9 (B.02.08)
RNA Concentration:	869 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]:	0.0	Result Flagging Label:	RIN: 3.90

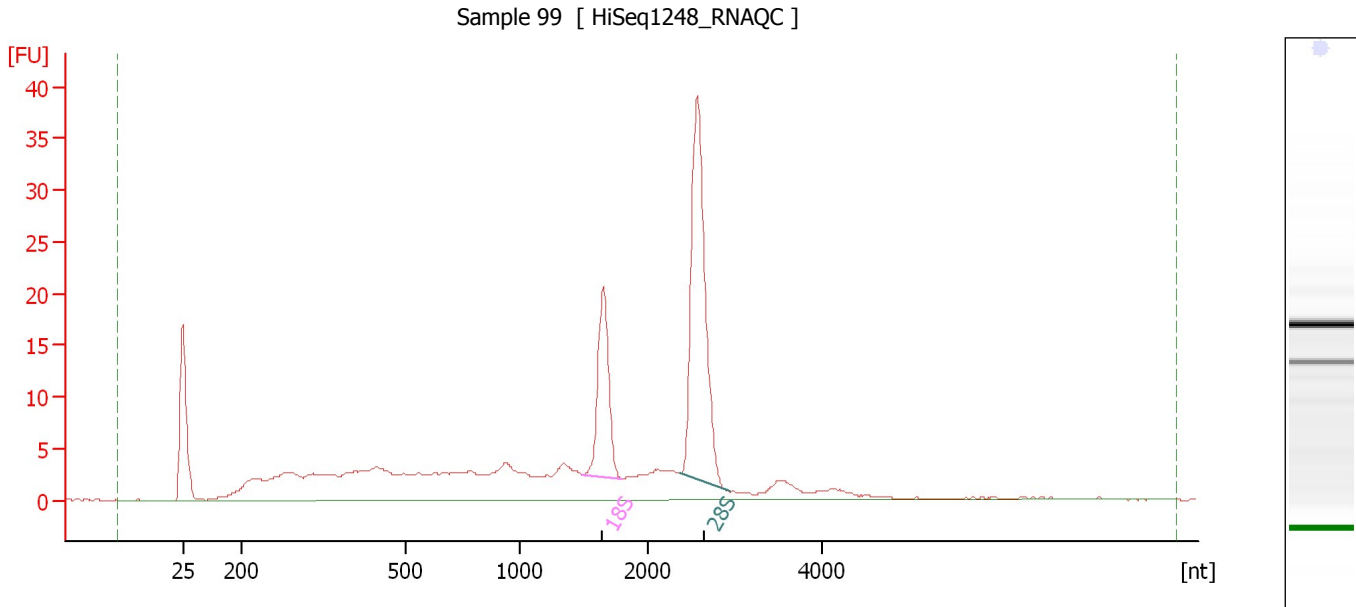
**Fragment table for sample 10 : Sample 98**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,519	1,904	13.3	7.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
 Modified: 1/3/2018 4:05:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Sample 99**

RNA Area:	257.5	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	1,214 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]:	2.3	Result Flagging Label:	RIN: 7.90

**Fragment table for sample 11 : Sample 99**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,497	1,797	25.3	9.8
28S	2,375	2,941	59.2	23.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03\_007.xad

Created: 1/3/2018 3:43:45 PM  
Modified: 1/3/2018 4:05:50 PM

**Gel Image**

