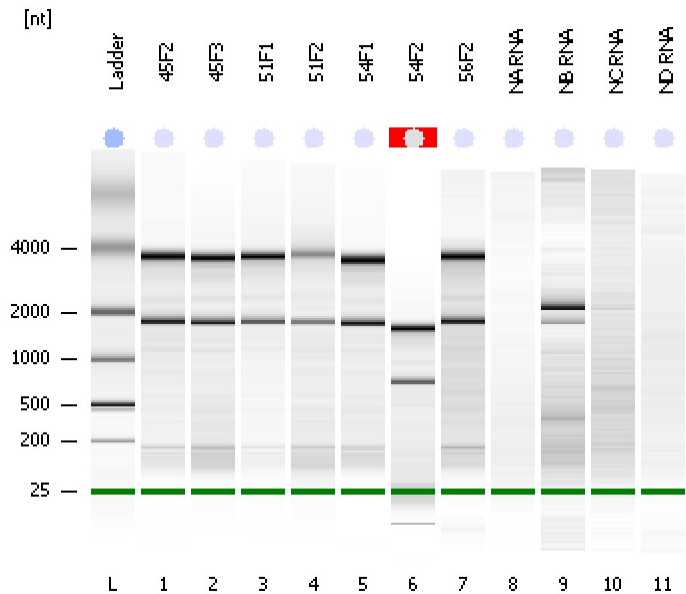


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

Electrophoresis File Run Summary



Instrument Information:

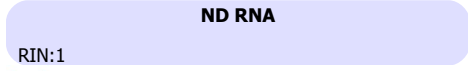
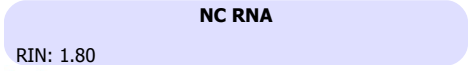
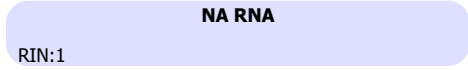
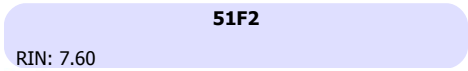
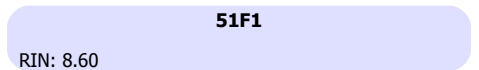
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
 Modified: 4/27/2017 11:27:08 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
45F2		✓	RIN:8	
45F3		✓	RIN: 7.50	
51F1		✓	RIN: 8.60	
51F2		✓	RIN: 7.60	
54F1		✓	RIN: 7.90	
54F2		✓	RIN N/A	
56F2		✓	RIN:7	
NA RNA		✓	RIN:1	
NB RNA		✓	RIN: 3.30	
NC RNA		✓	RIN: 1.80	
ND RNA		✓	RIN:1	
Ladder		✓	All Other Samples	

**Chip Lot #**

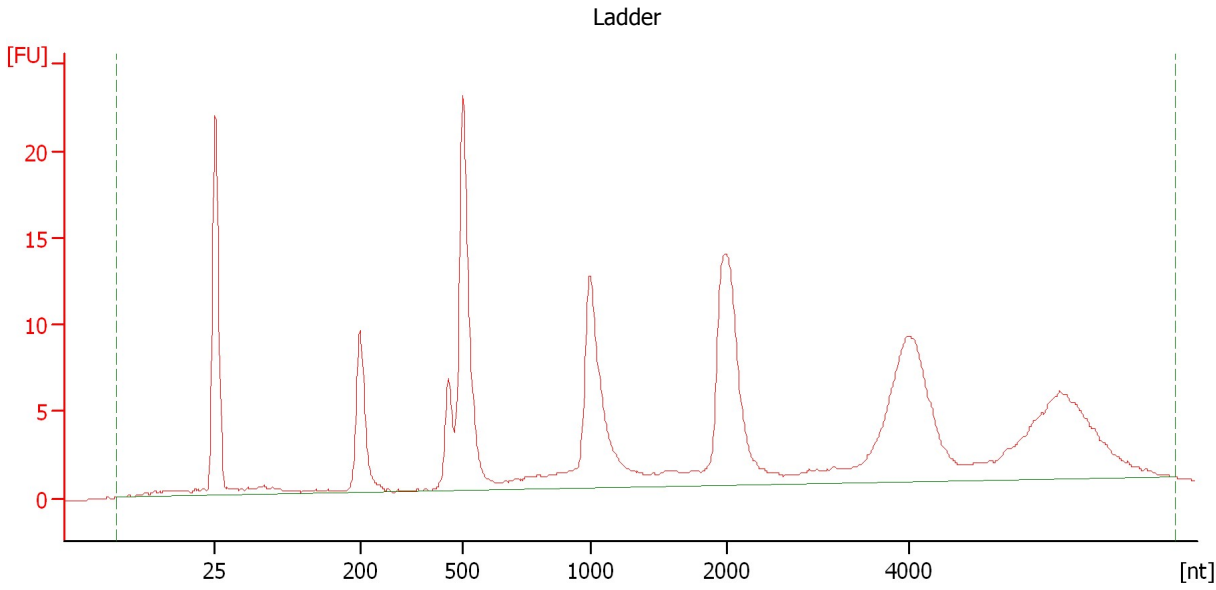
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary**



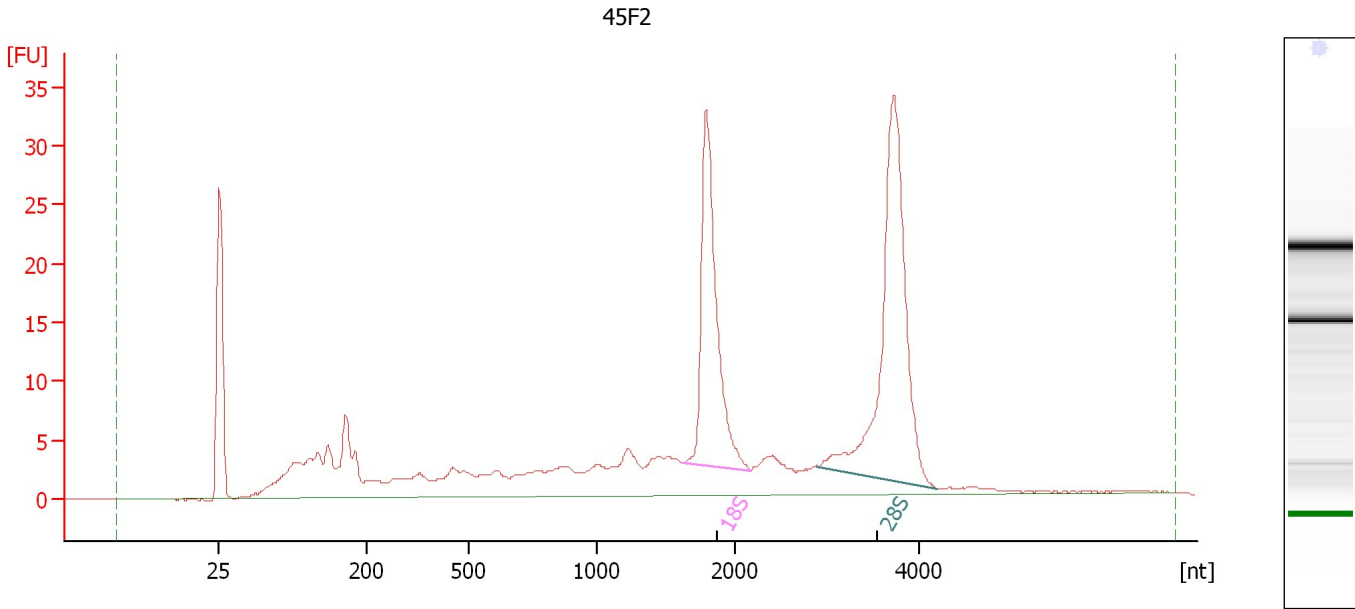
**Overall Results for Ladder**

RNA Area:	216.0	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\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 45F2**

RNA Area: 308.9                      RNA Integrity Number (RIN): 8 (B.02.08)  
RNA Concentration: 1,430 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4                      Result Flagging Label: RIN:8

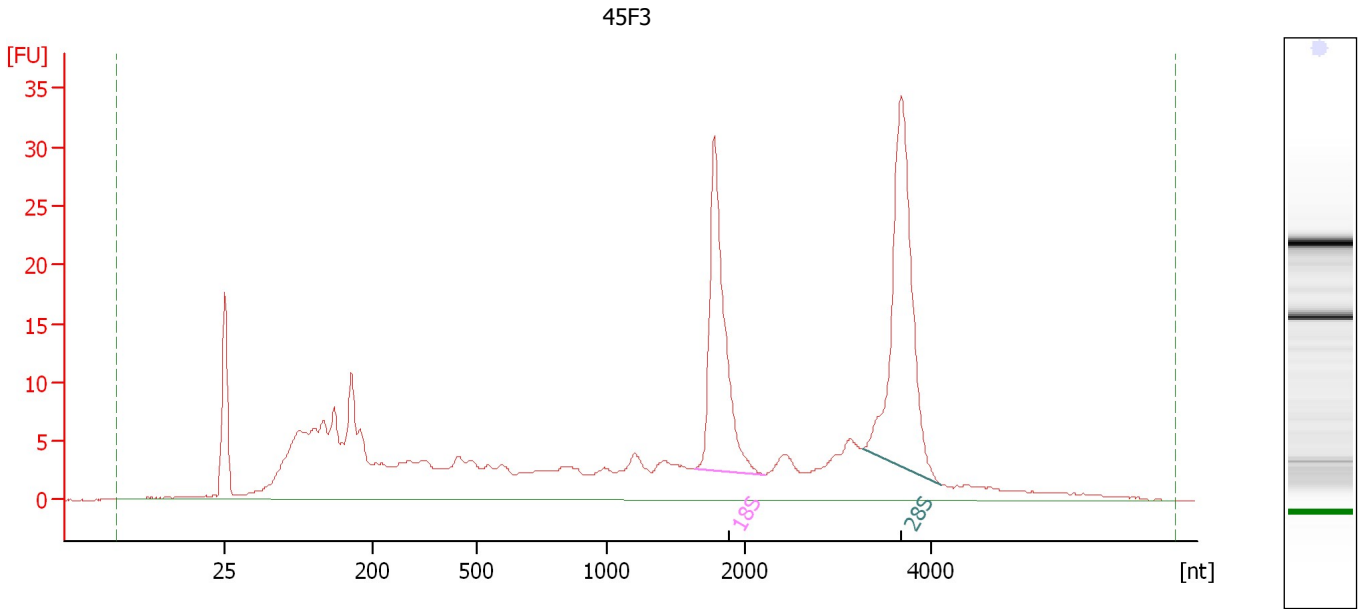
**Fragment table for sample 1 : 45F2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	2,174	51.3	16.6
28S	2,905	4,192	73.8	23.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 45F3**

RNA Area:	382.0	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	1,768 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: 7.50

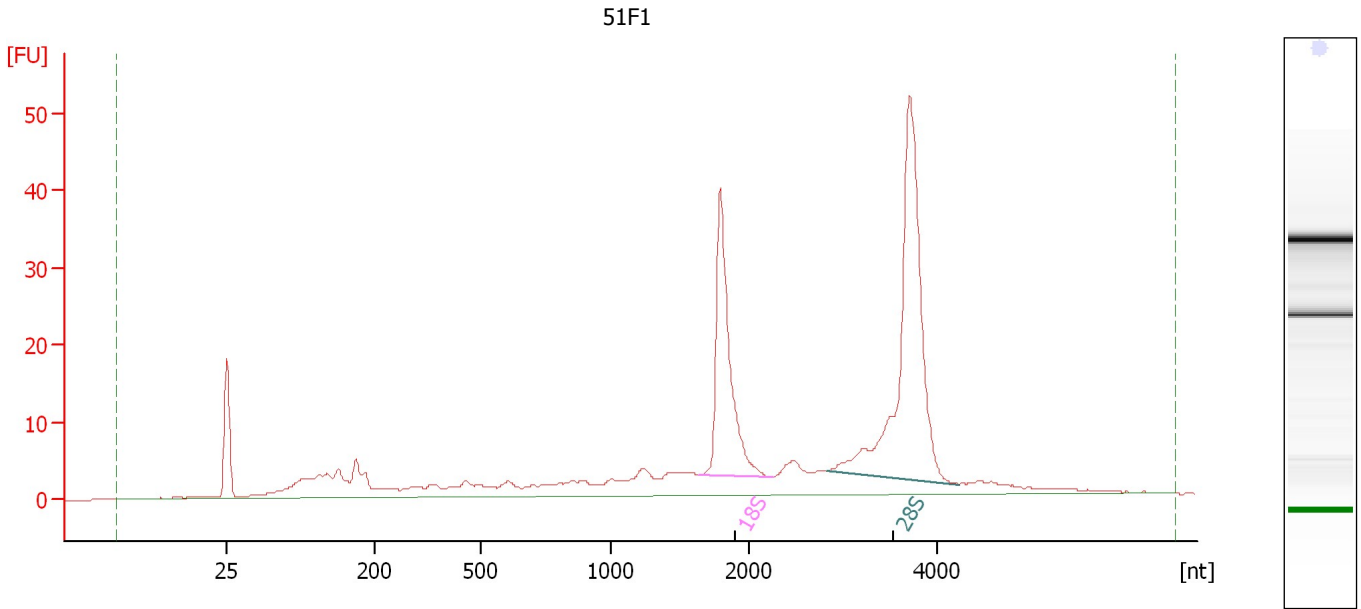
**Fragment table for sample 2 : 45F3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,629	2,207	47.0	12.3
28S	3,263	4,101	59.6	15.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 51F1**

RNA Area: 337.7                      RNA Integrity Number (RIN): 8.6 (B.02.08)  
RNA Concentration: 1,563 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.8                      Result Flagging Label: RIN: 8.60

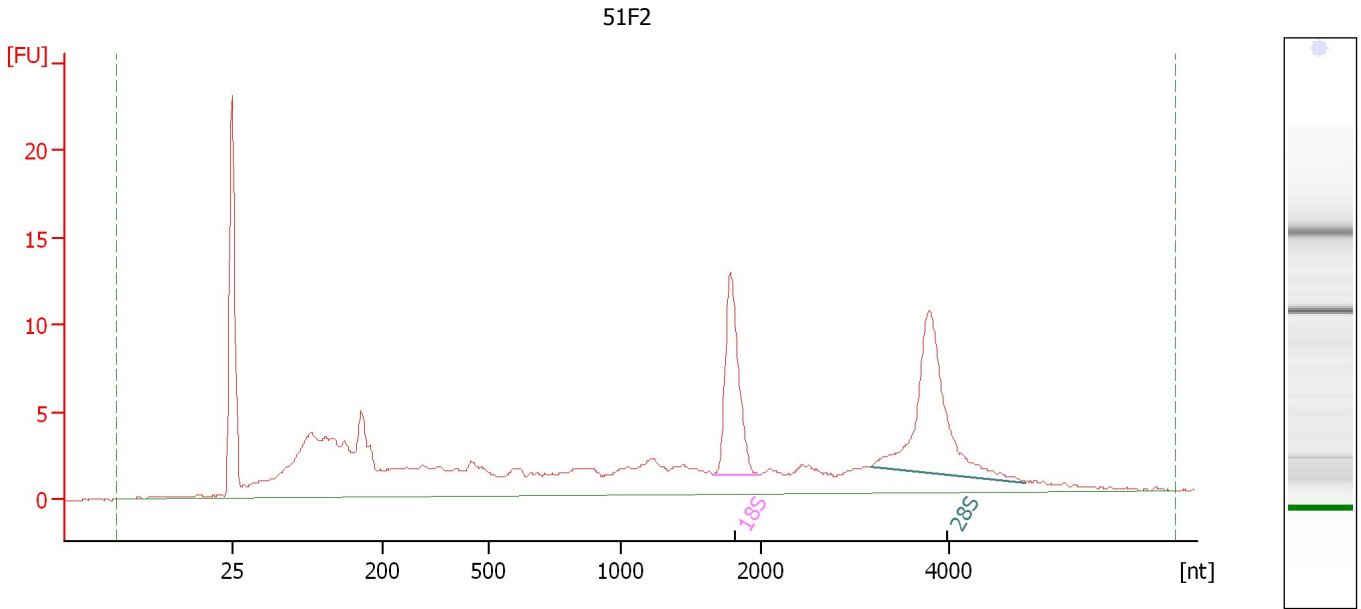
**Fragment table for sample 3 : 51F1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,638	2,241	55.4	16.4
28S	2,835	4,242	100.0	29.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 51F2**

RNA Area:	186.3	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	862 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: 7.60

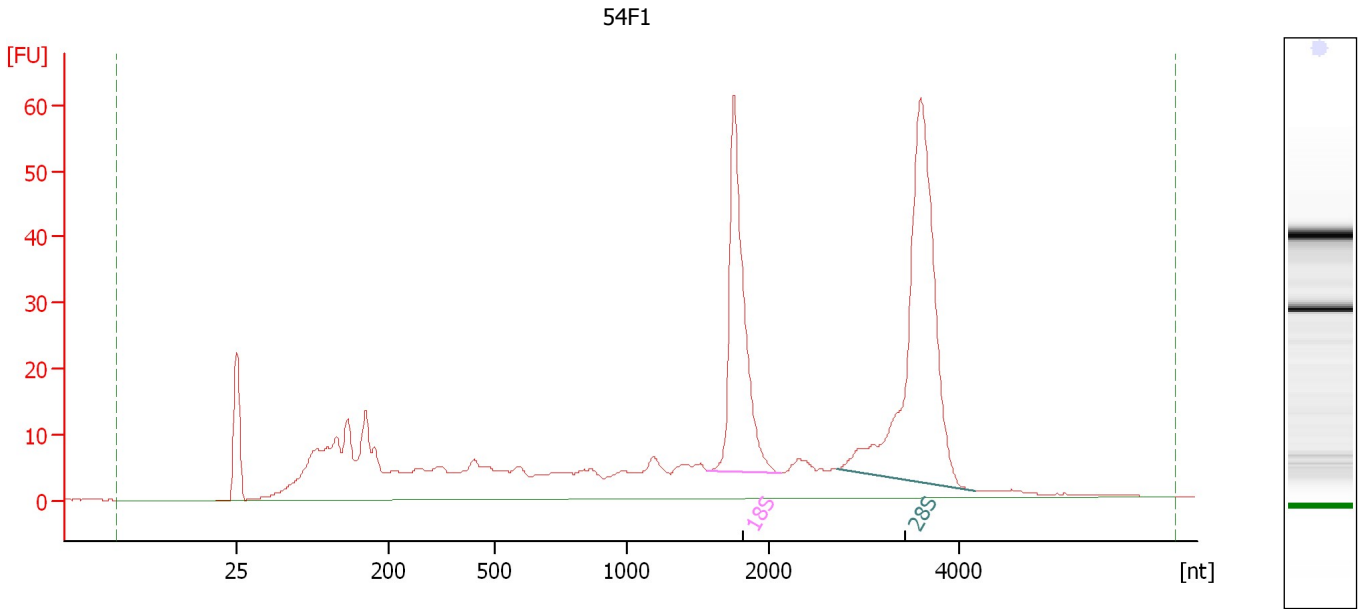
**Fragment table for sample 4 : 51F2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	1,978	17.2	9.2
28S	3,167	4,808	24.6	13.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 54F1**

RNA Area:	608.2	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	2,816 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]:	1.6	Result Flagging Label:	RIN: 7.90

**Fragment table for sample 5 : 54F1**

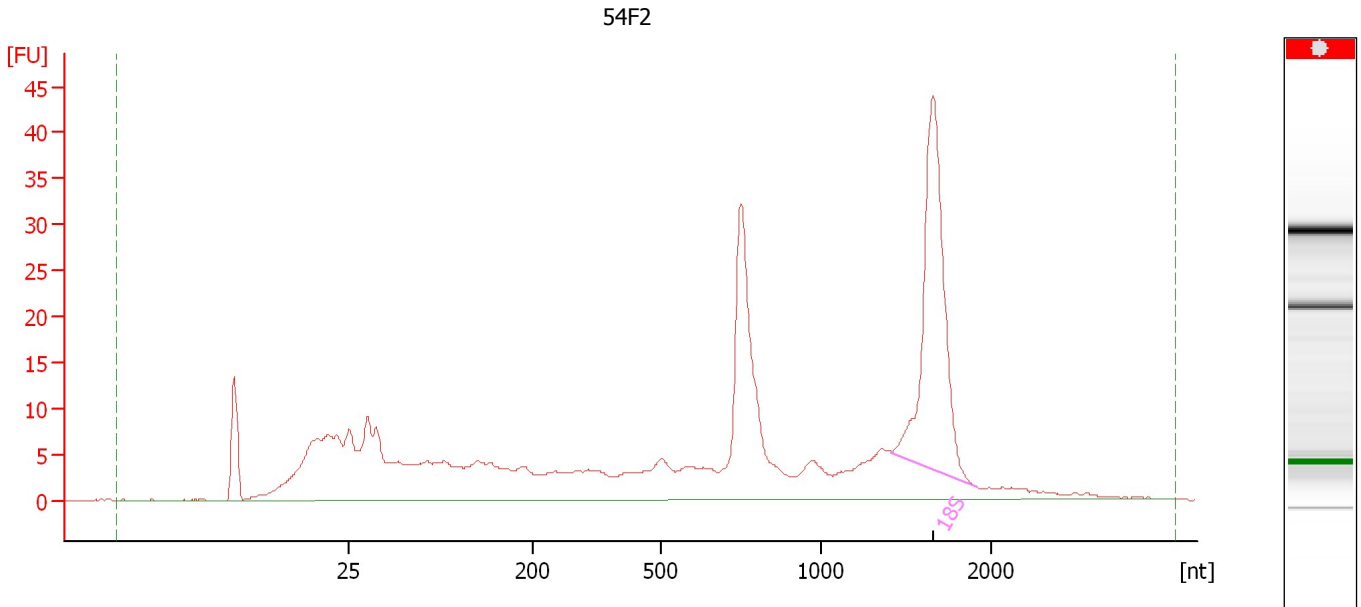
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,570	2,136	91.2	15.0
28S	2,720	4,169	150.2	24.7



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 54F2**

RNA Area:	445.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,061 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]:	0.0	Result Flagging Label:	RIN N/A

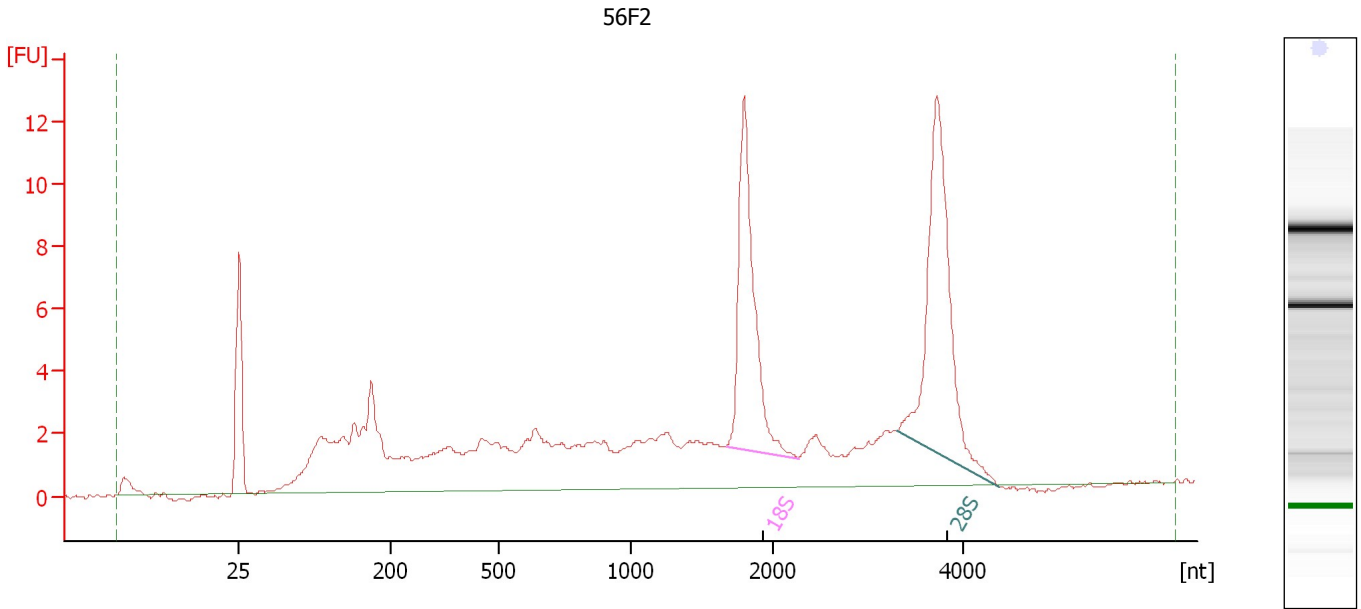
**Fragment table for sample 6 : 54F2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,412	1,912	77.2	17.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 56F2**

RNA Area:	147.3	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	682 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:7

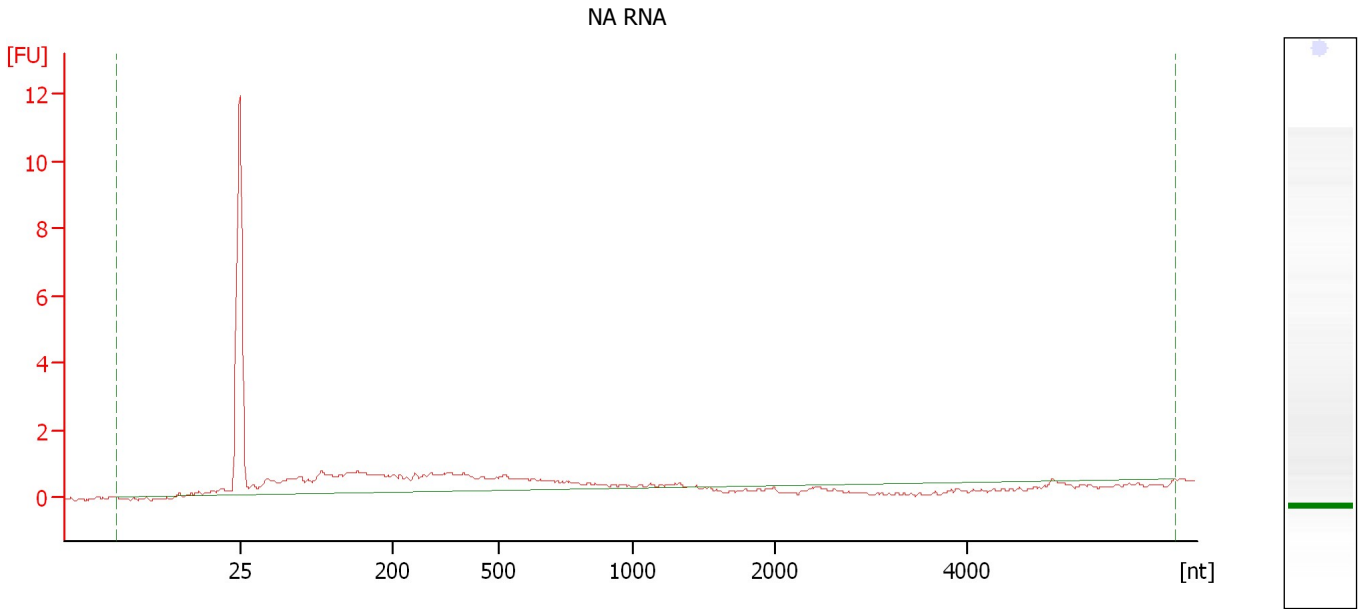
**Fragment table for sample 7 : 56F2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	2,270	18.4	12.5
28S	3,299	4,362	23.1	15.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



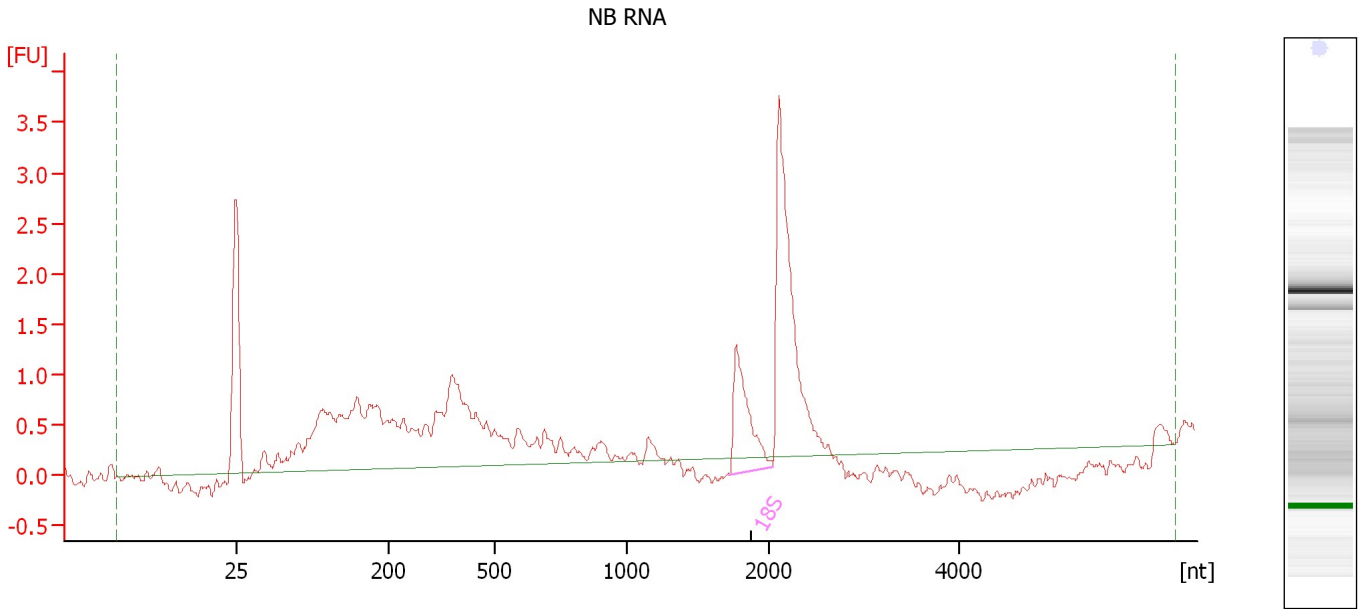
**Overall Results for sample 8 : NA RNA**

RNA Area:	20.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	97 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:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : NB RNA**

RNA Area:	25.5	RNA Integrity Number (RIN):	3.3 (B.02.08)
RNA Concentration:	118 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: 3.30

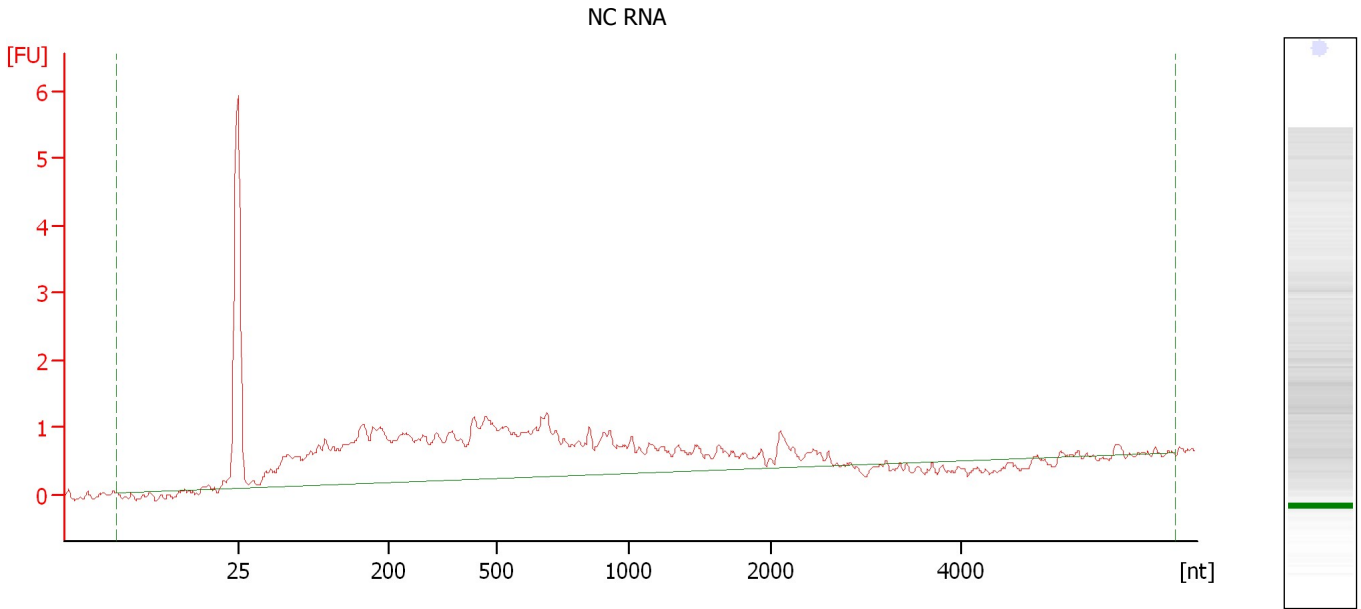
**Fragment table for sample 9 : NB RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	2,046	2.1	8.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



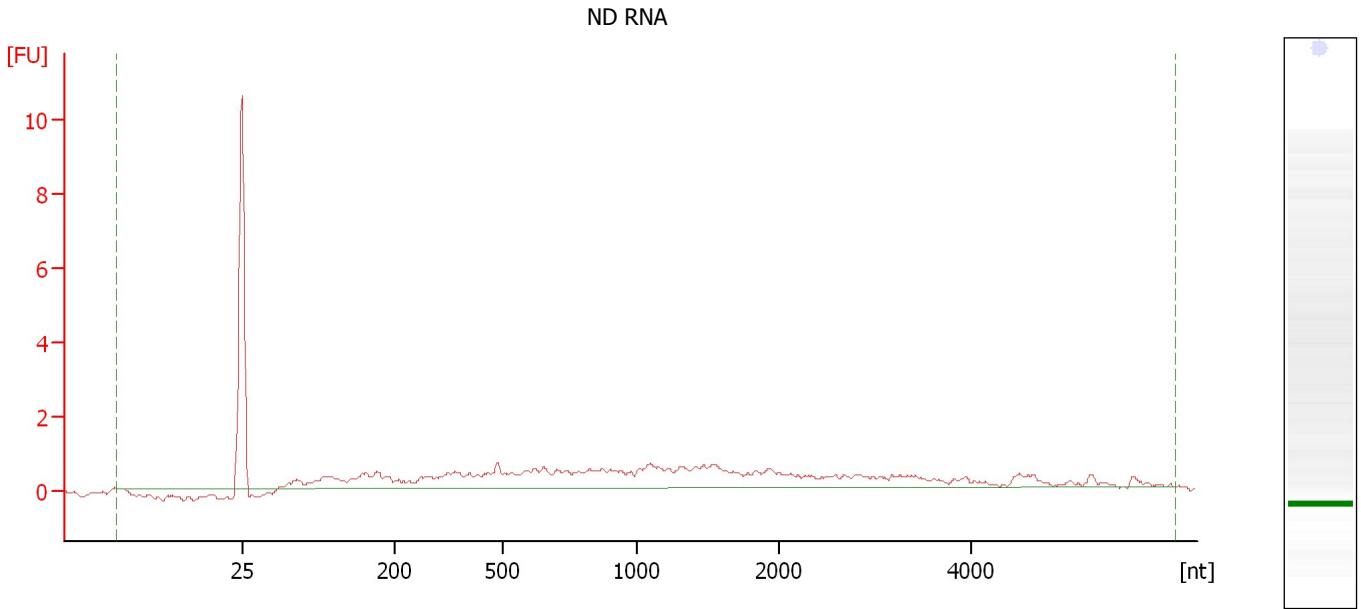
**Overall Results for sample 10 : NC RNA**

RNA Area:	35.9	RNA Integrity Number (RIN):	1.8 (B.02.08)
RNA Concentration:	166 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: 1.80

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : ND RNA**

RNA Area:	28.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	133 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:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-27\2017-04-27\_001.xad

Created: 4/27/2017 11:04:13 AM  
Modified: 4/27/2017 11:27:08 AM

**Gel Image**

