

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-29\2017-11-29\_001.xad

Created: 11/29/2017 10:14:45 AM  
Modified: 11/29/2017 10:36:11 AM

### Electrophoresis File Run Summary

#### Instrument Information:

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

#### Assay Information:

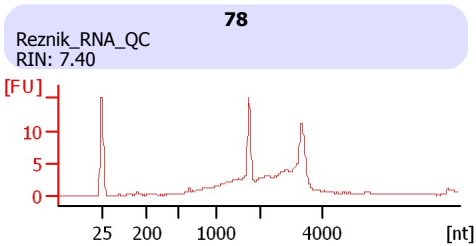
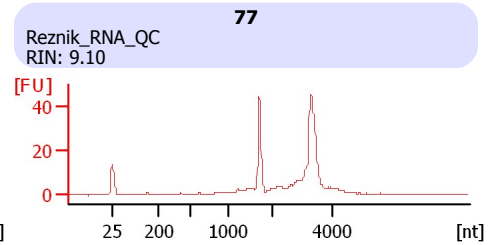
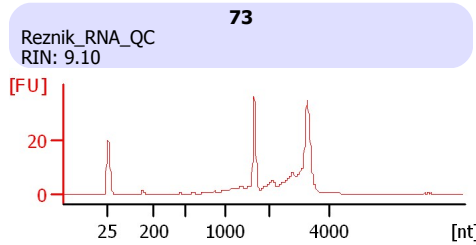
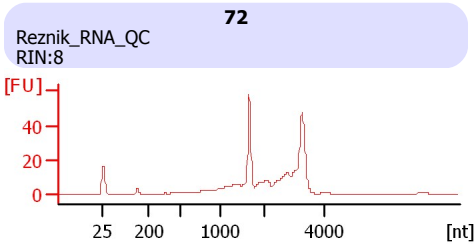
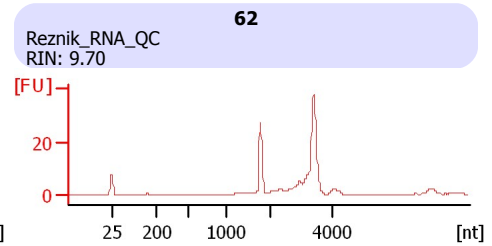
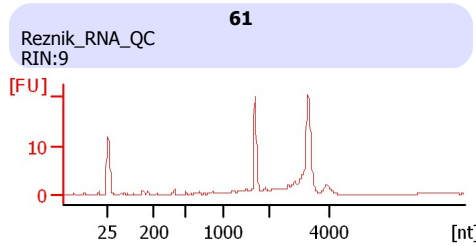
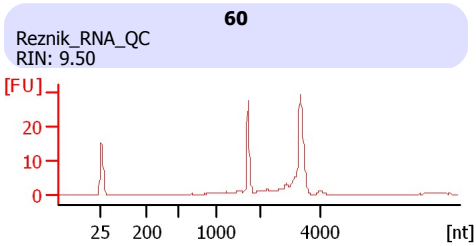
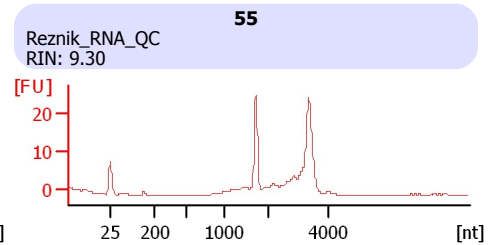
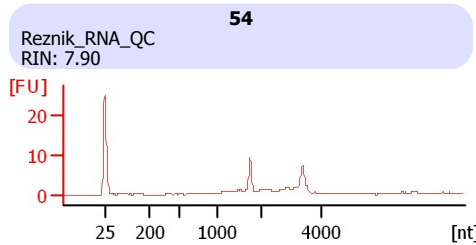
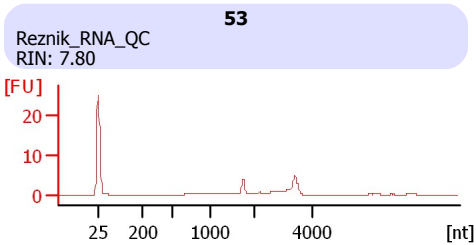
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



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

Sample Name	Sample Comment	Status	Result Label	Result Color
53	Reznik_RNA_QC	✓	RIN: 7.80	
54	Reznik_RNA_QC	✓	RIN: 7.90	
55	Reznik_RNA_QC	✓	RIN: 9.30	
60	Reznik_RNA_QC	✓	RIN: 9.50	
61	Reznik_RNA_QC	✓	RIN:9	
62	Reznik_RNA_QC	✓	RIN: 9.70	
72	Reznik_RNA_QC	✓	RIN:8	
73	Reznik_RNA_QC	✓	RIN: 9.10	
77	Reznik_RNA_QC	✓	RIN: 9.10	
78	Reznik_RNA_QC	✓	RIN: 7.40	
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

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## 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

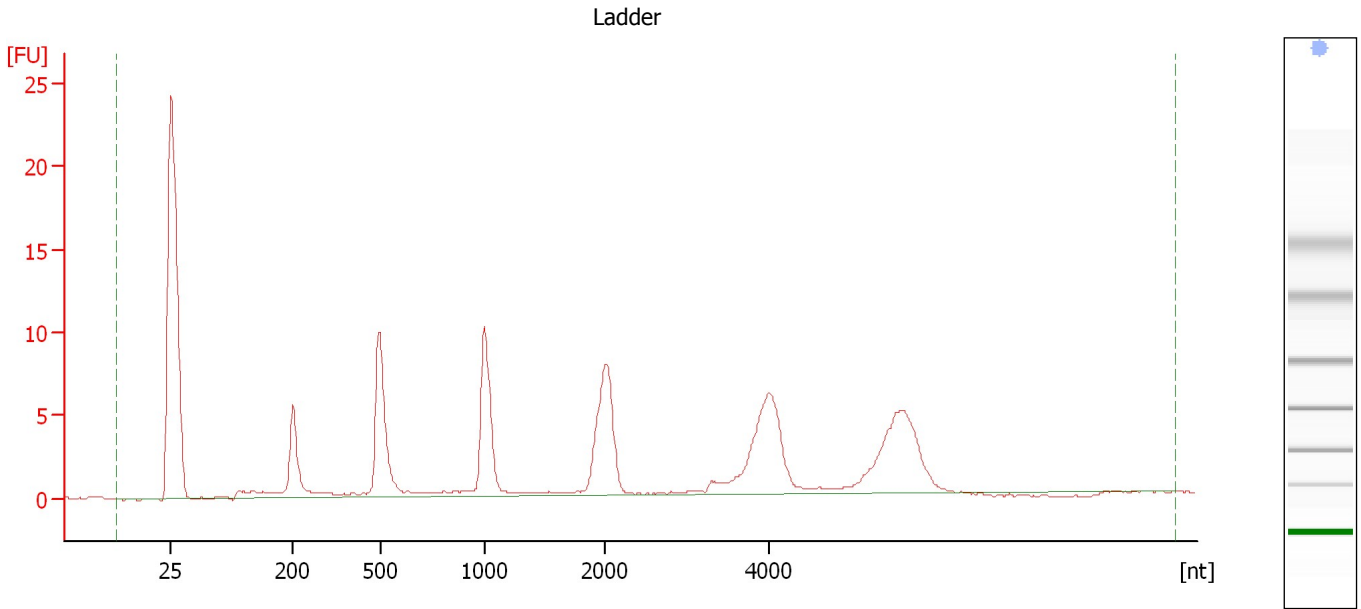
### Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

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**Electropherogram Summary**



**Overall Results for Ladder**

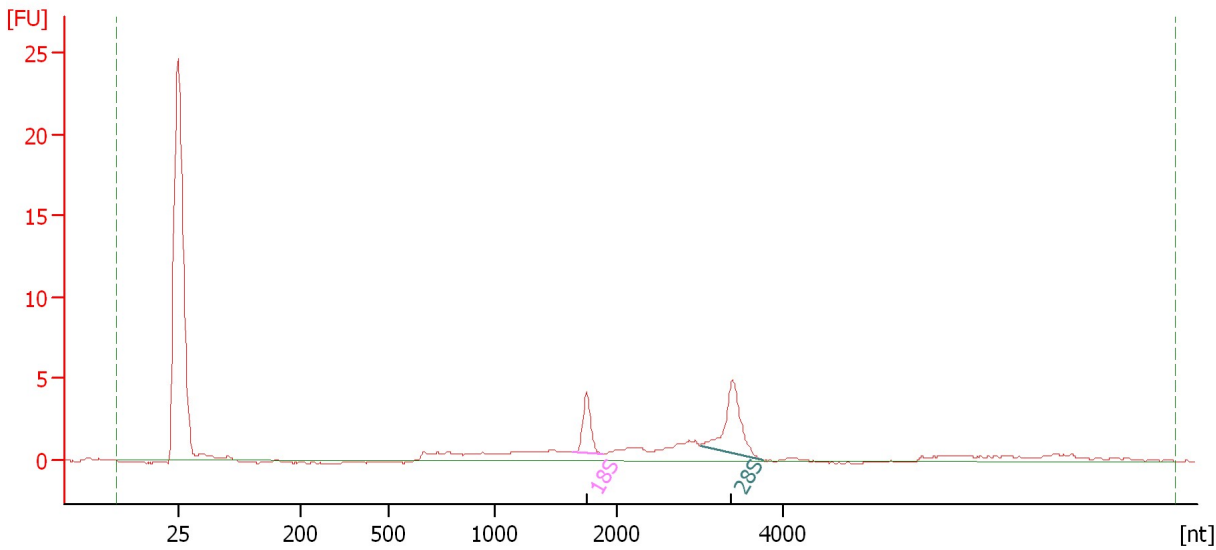
RNA Area:	108.1	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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**Electropherogram Summary Continued ...**

53 [ Reznik\_RNA\_QC ]



**Overall Results for sample 1 : 53**

RNA Area:	38.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	358 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]:	2.0	Result Flagging Label:	RIN: 7.80

**Fragment table for sample 1 : 53**

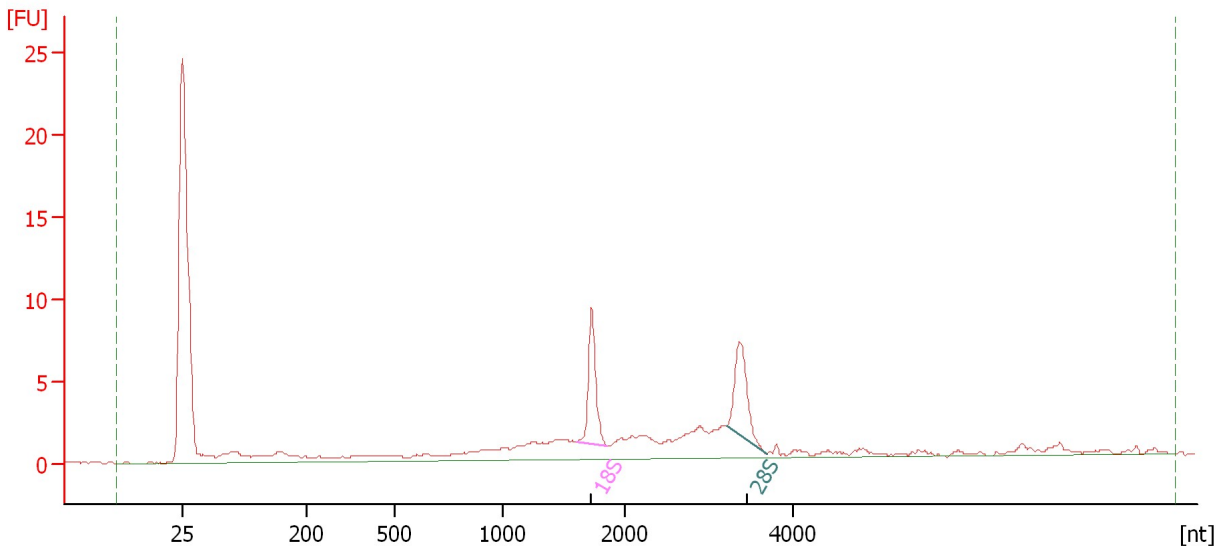
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	1,873	3.8	9.8
28S	2,999	3,760	7.7	20.0

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**Electropherogram Summary Continued ...**

54 [ Reznik\_RNA\_QC ]



**Overall Results for sample 2 : 54**

RNA Area:	72.9	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	674 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]:	1.0	Result Flagging Label:	RIN: 7.90

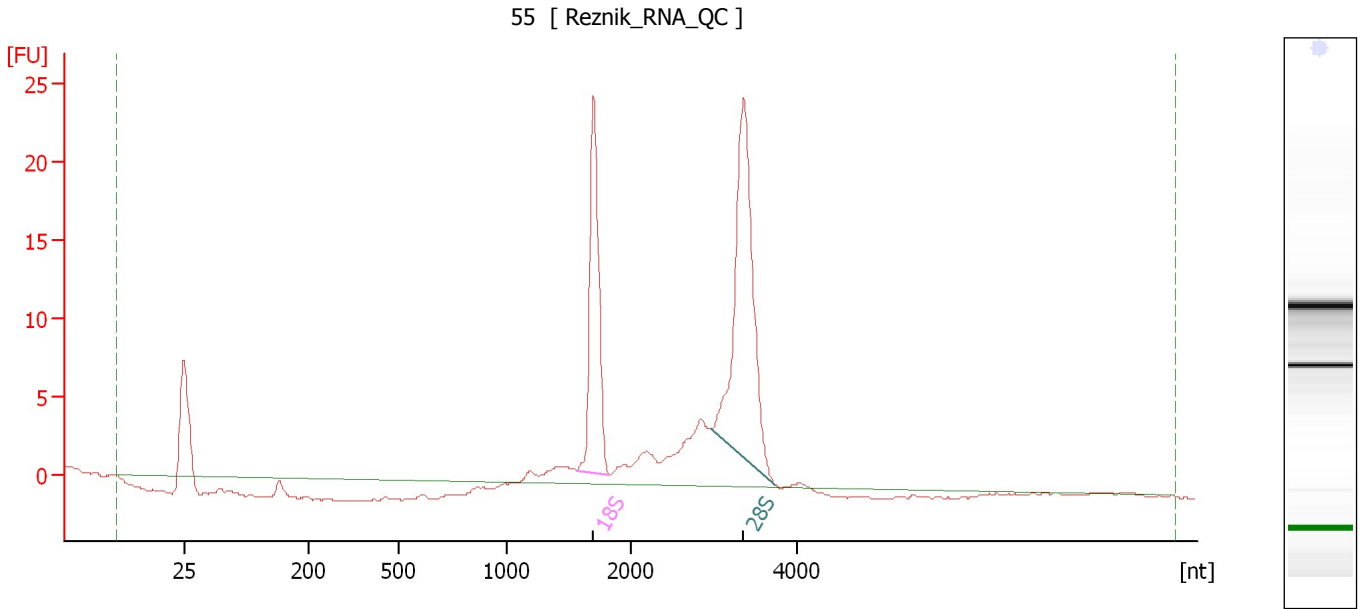
**Fragment table for sample 2 : 54**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,851	8.0	11.0
28S	3,198	3,684	7.9	10.9

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 55**

RNA Area:	115.9	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	1,072 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: 9.30

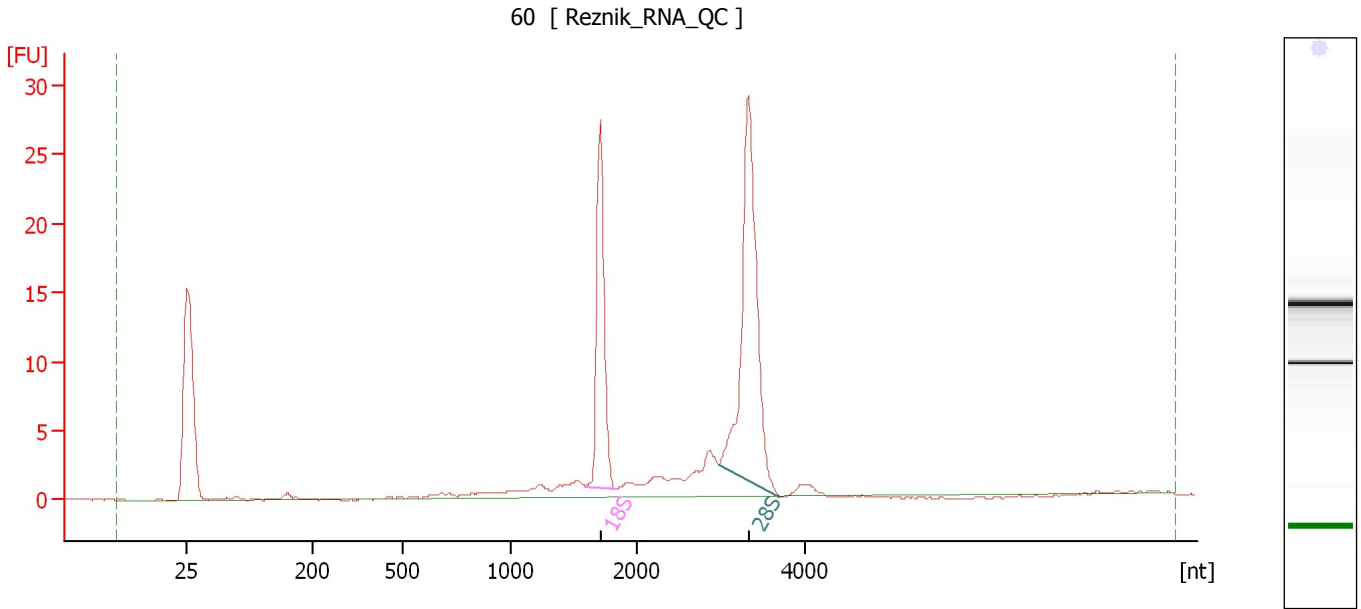
**Fragment table for sample 3 : 55**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,835	28.1	24.2
28S	2,966	3,717	45.2	39.0

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Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-29\2017-11-29\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 60**

RNA Area:	107.5	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	994 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]:	1.9	Result Flagging Label:	RIN: 9.50

**Fragment table for sample 4 : 60**

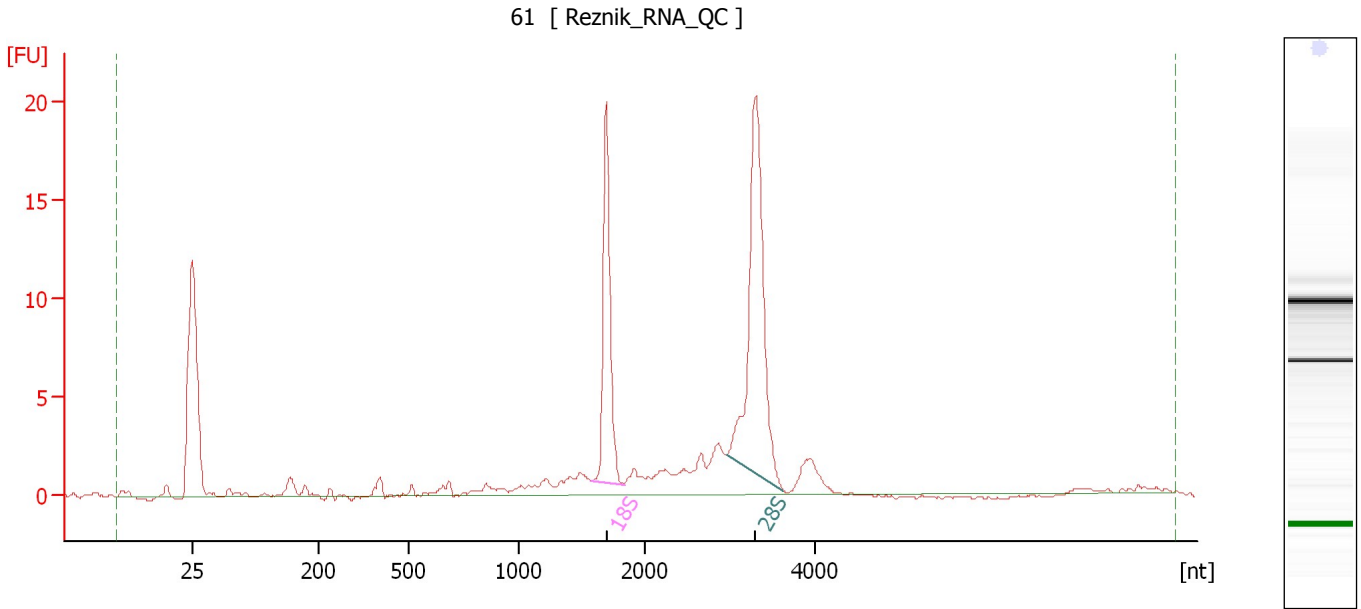
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	1,839	24.3	22.6
28S	2,975	3,696	45.1	41.9



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-29\2017-11-29\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 61**

RNA Area:	88.1	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	815 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]:	1.7	Result Flagging Label:	RIN:9

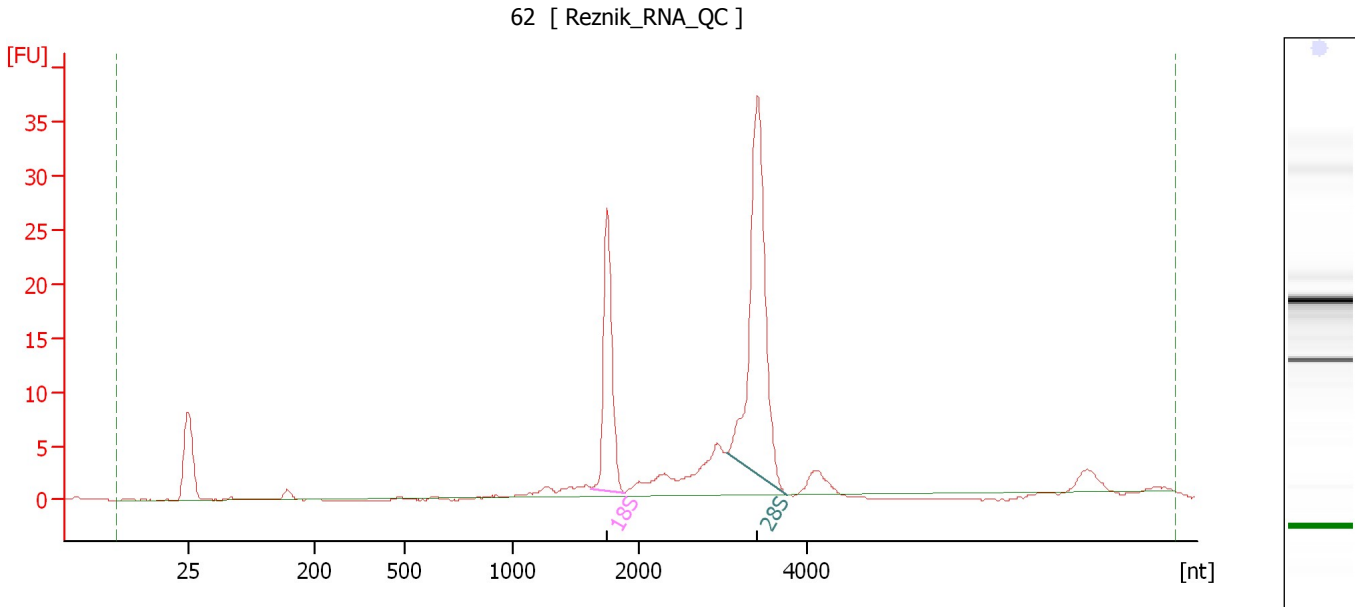
**Fragment table for sample 5 : 61**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	1,843	17.6	20.0
28S	2,958	3,635	30.2	34.3

Assay Class: Eukaryote Total RNA Pico  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 62**

RNA Area:	135.6	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	1,254 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]:	2.0	Result Flagging Label:	RIN: 9.70

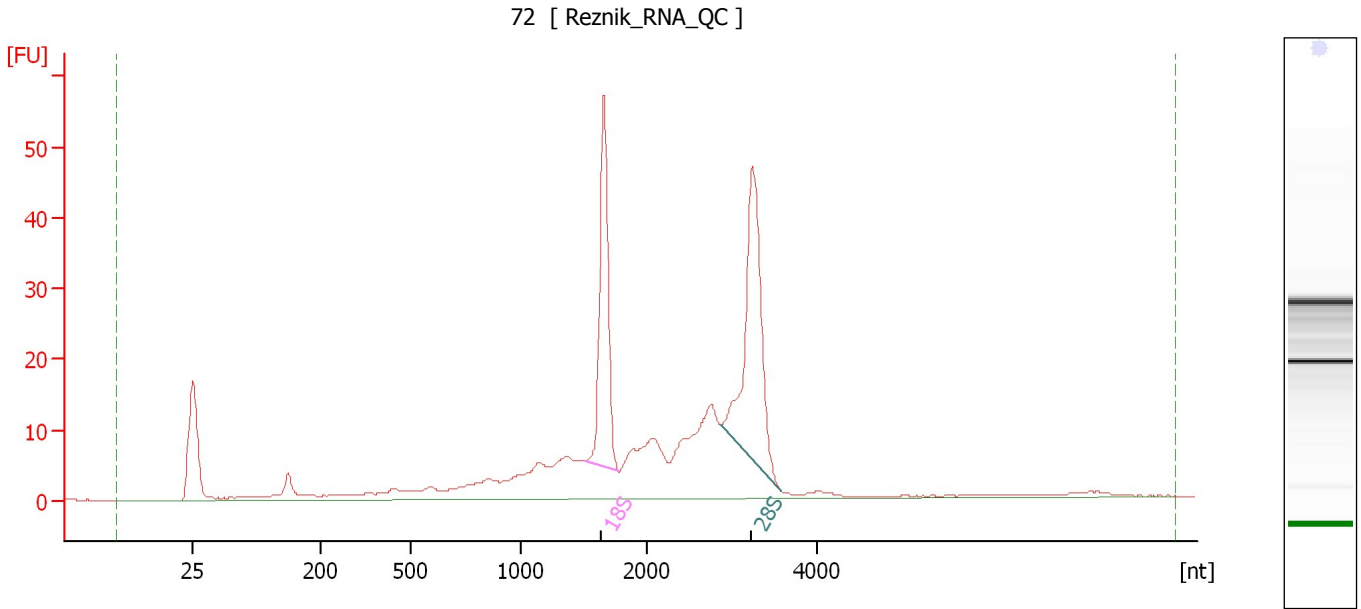
**Fragment table for sample 6 : 62**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,626	1,891	28.9	21.3
28S	3,050	3,756	57.8	42.6

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 72**

RNA Area:	361.6	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	3,344 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:8

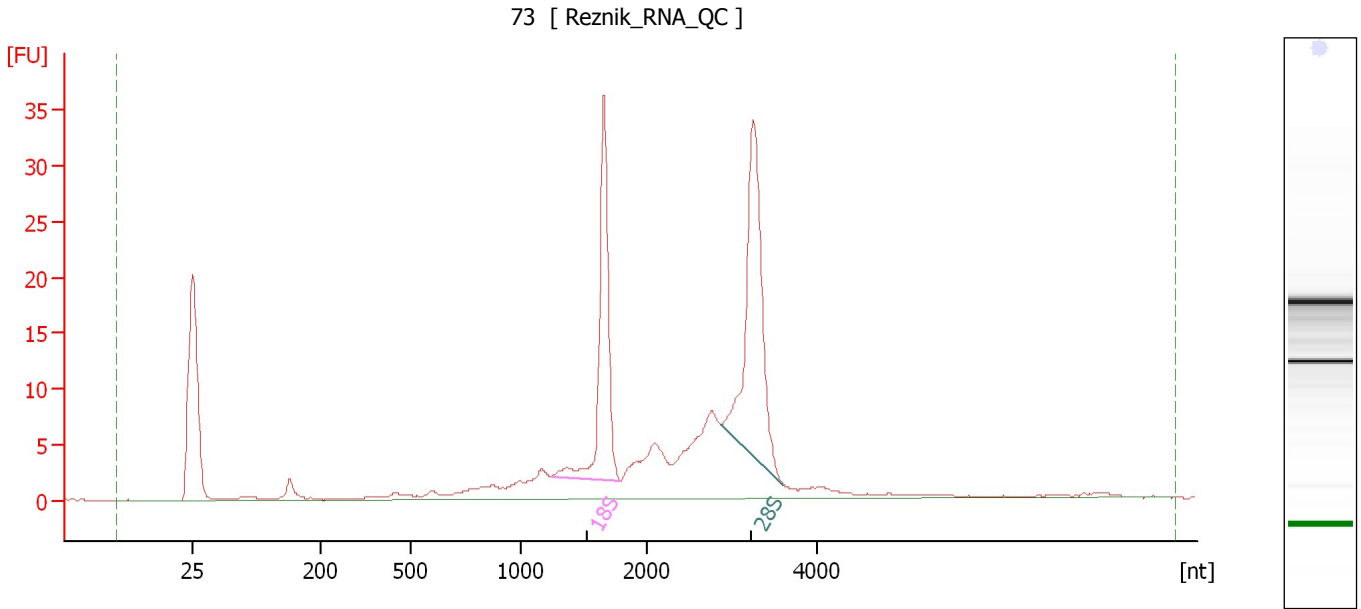
**Fragment table for sample 7 : 72**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,776	57.3	15.9
28S	2,882	3,582	72.1	19.9

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 73**

RNA Area:	215.4	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	1,992 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: 9.10

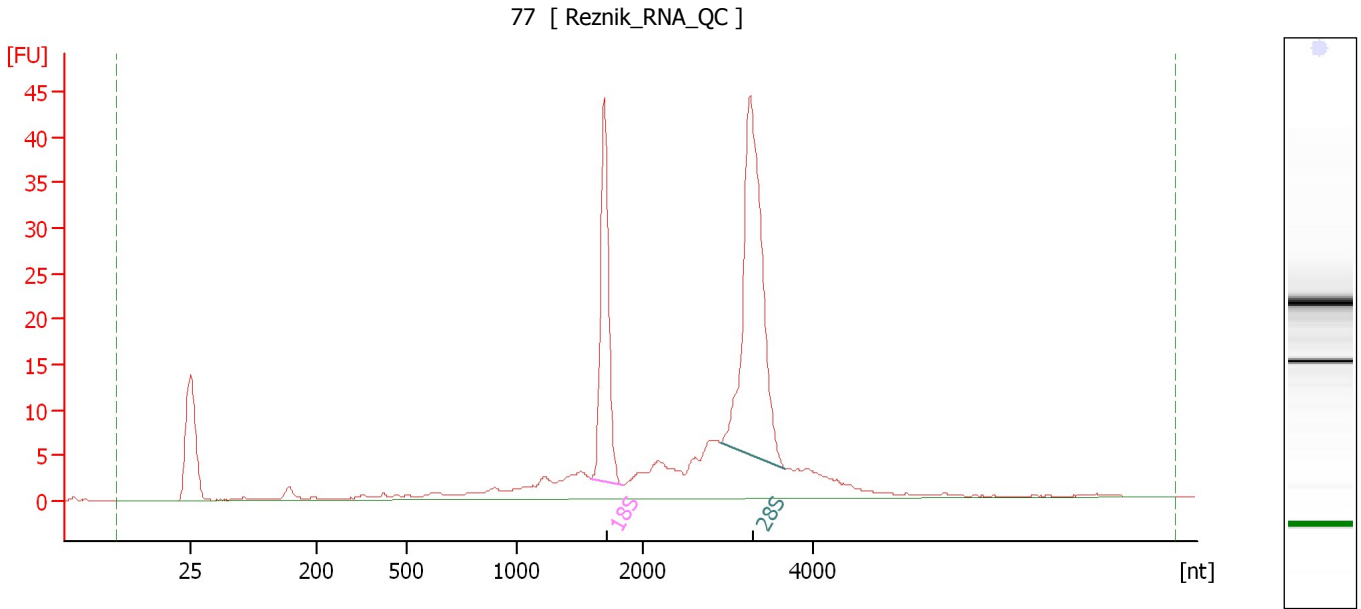
**Fragment table for sample 8 : 73**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,251	1,793	39.9	18.5
28S	2,882	3,607	51.1	23.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-29\2017-11-29\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 77**

RNA Area:	262.5	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	2,428 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: 9.10

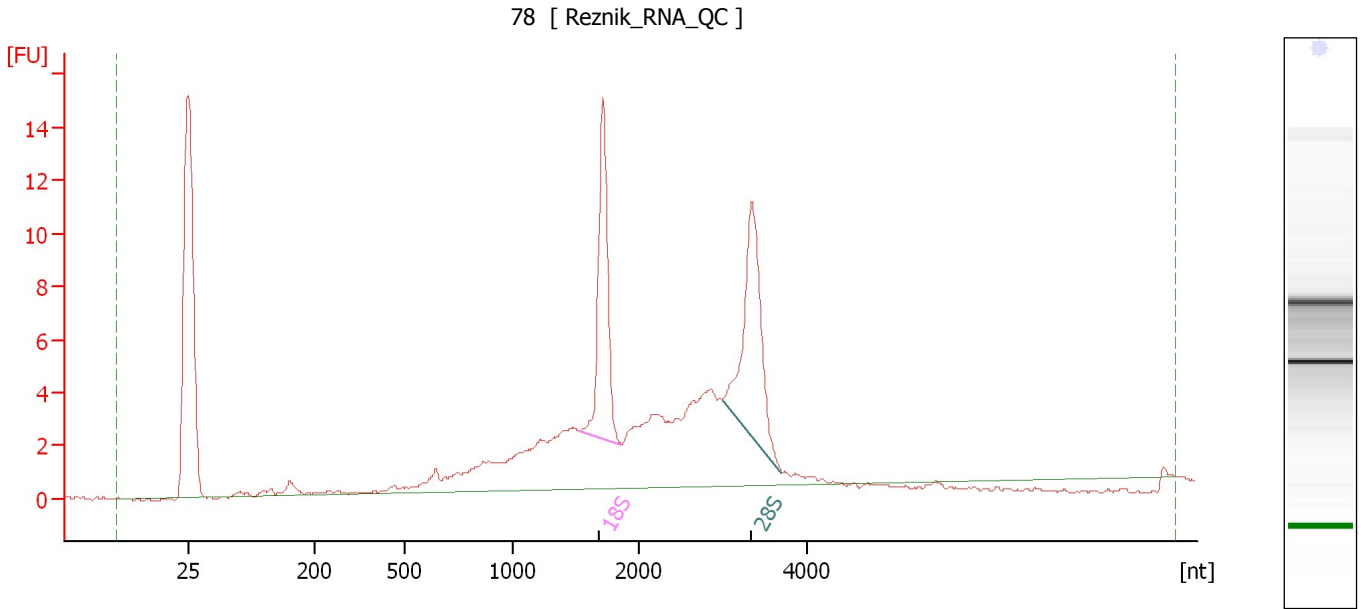
**Fragment table for sample 9 : 77**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,842	44.7	17.0
28S	2,922	3,688	82.8	31.6

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 78**

RNA Area:	108.2	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	1,000 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]:	1.1	Result Flagging Label:	RIN: 7.40

**Fragment table for sample 10 : 78**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,524	1,865	15.1	14.0
28S	2,999	3,693	16.5	15.3

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**Gel Image**

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**Invalid Samples**

Sample 11 has not been run, no results available.