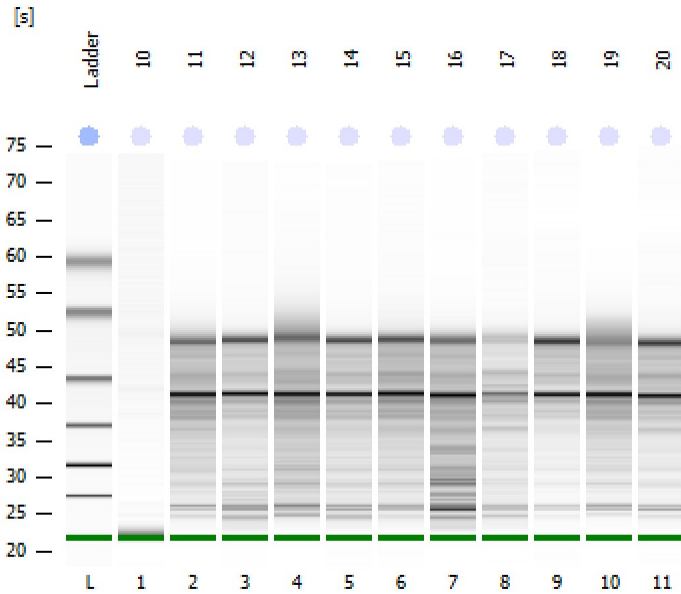


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
Modified: 7/16/2020 4:42:20 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

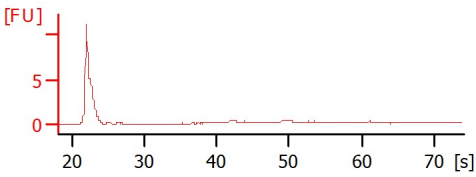
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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.

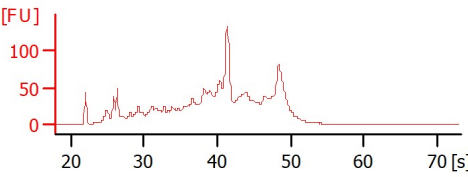
Chip Information:

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

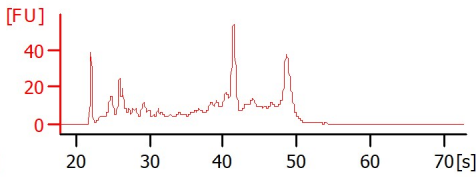
**10**  
QC0609  
RIN: 1



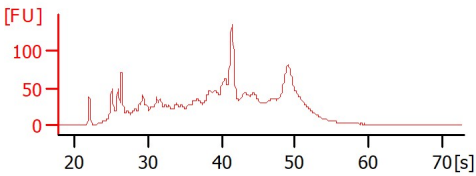
**11**  
QC0609  
RIN: 5.30



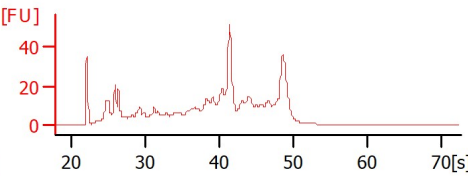
**12**  
QC0609  
RIN: 6.40



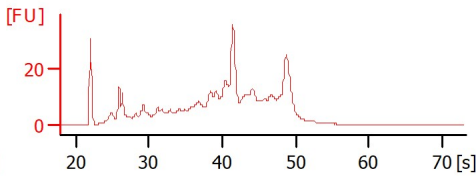
**13**  
QC0609  
RIN: 5.30



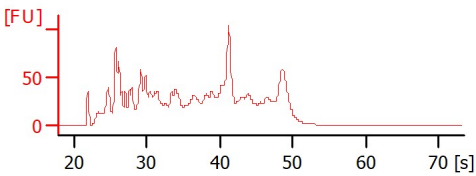
**14**  
QC0609  
RIN: 6.20



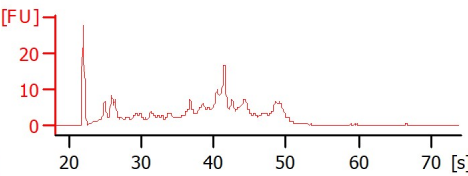
**15**  
QC0609  
RIN: 5.70



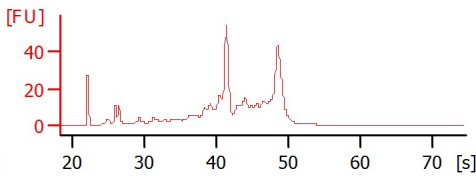
**16**  
QC0609  
RIN: 5.20



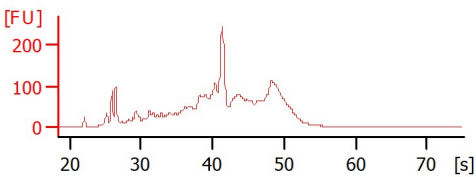
**17**  
QC0609  
RIN: 3.80



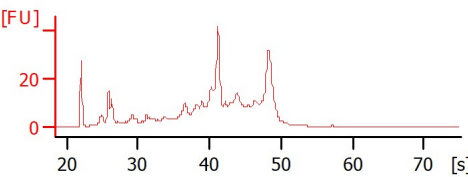
**18**  
QC0609  
RIN: 7



**19**  
QC0609  
RIN: 5.80



**20**  
QC0609  
RIN: 6.30



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
10	QC0609	✓	RIN:1	
11	QC0609	✓	RIN: 5.30	
12	QC0609	✓	RIN: 6.40	
13	QC0609	✓	RIN: 5.30	
14	QC0609	✓	RIN: 6.20	
15	QC0609	✓	RIN: 5.70	
16	QC0609	✓	RIN: 5.20	
17	QC0609	✓	RIN: 3.80	
18	QC0609	✓	RIN:7	
19	QC0609	✓	RIN: 5.80	
20	QC0609	✓	RIN: 6.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 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/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 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

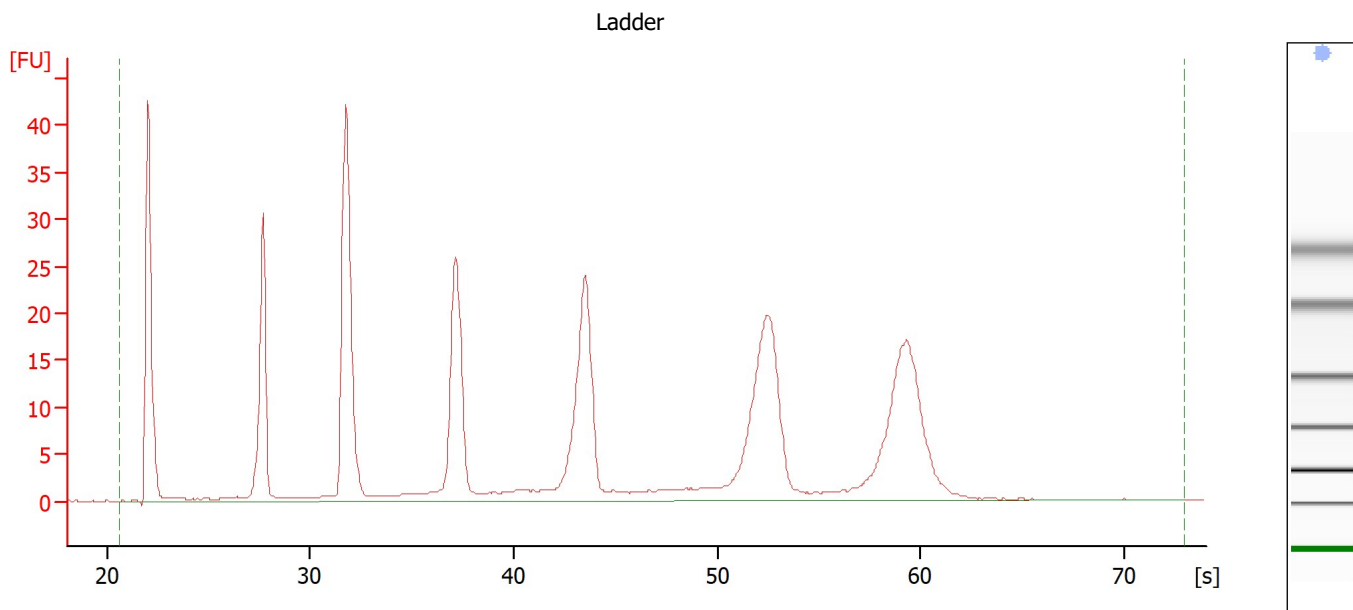
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary**



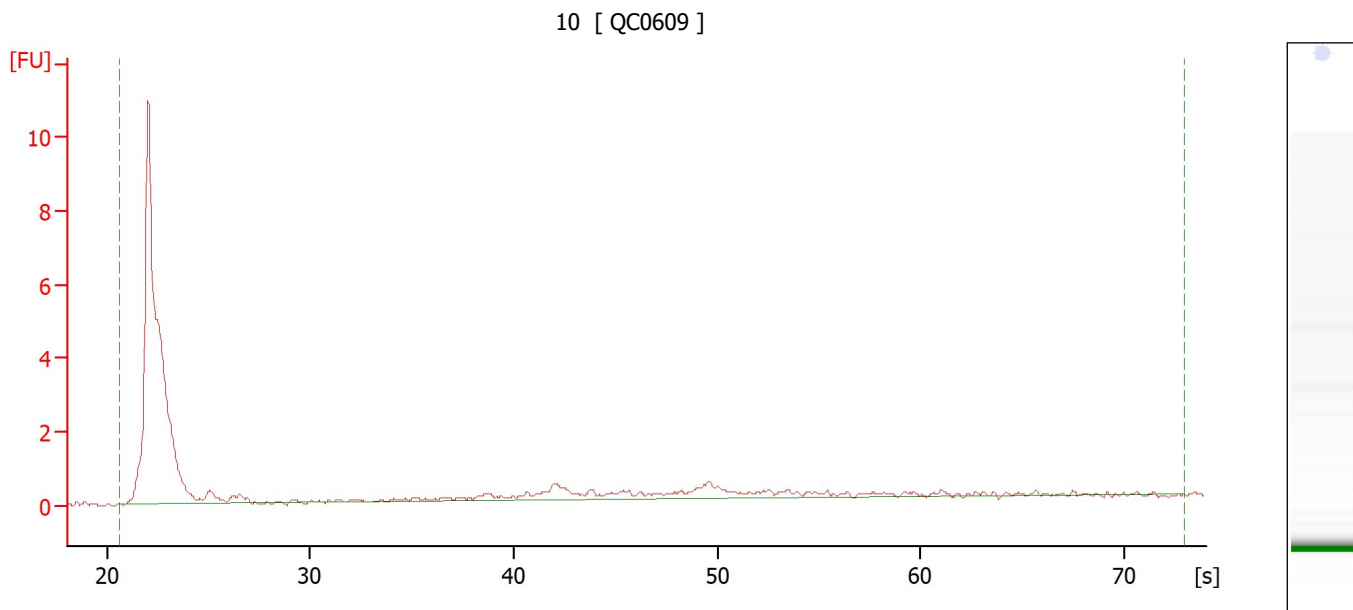
**Overall Results for Ladder**

RNA Area:	364.8	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: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



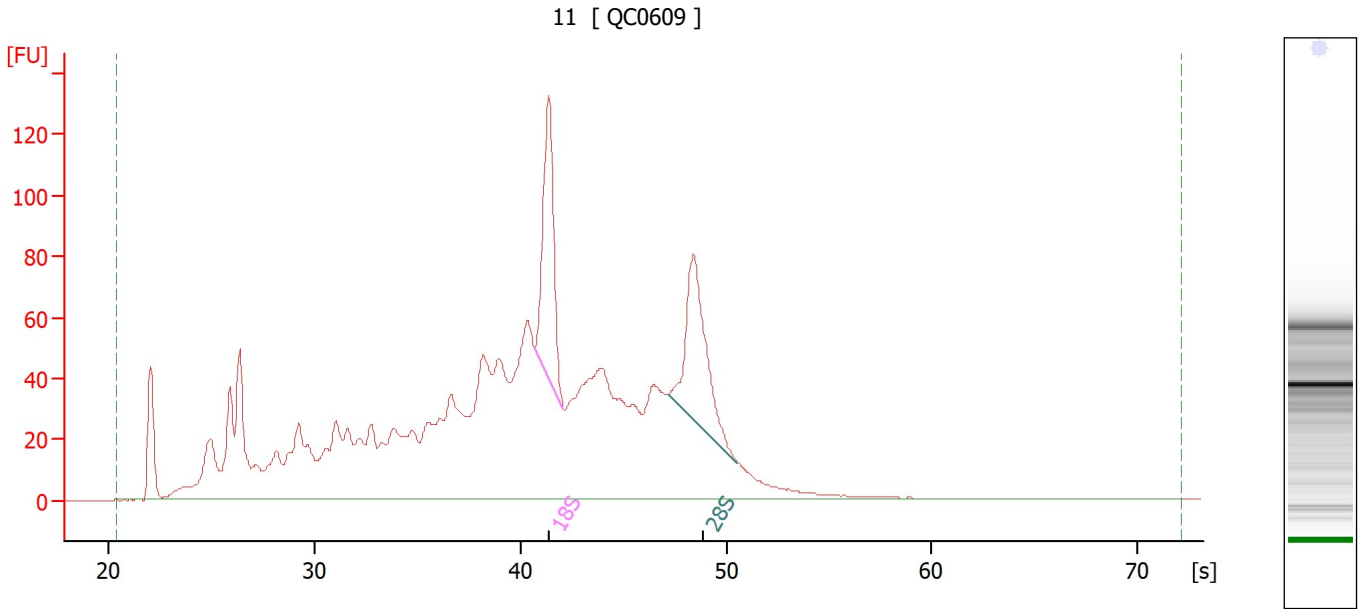
**Overall Results for sample 1 : 10**

RNA Area:	10.4	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	29 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: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 11**

RNA Area:	2,226.2	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	6,102 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]:	1.0	Result Flagging Label:	RIN: 5.30

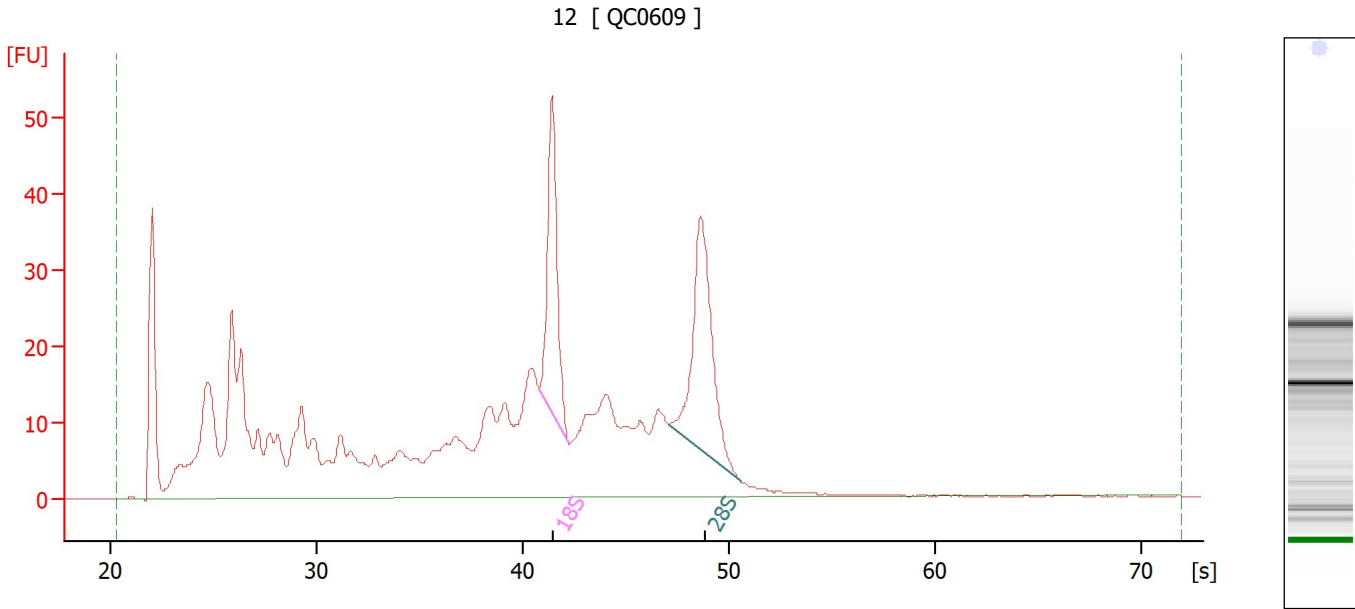
**Fragment table for sample 2 : 11**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.71	42.07	132.5	5.9
28S	47.19	50.53	126.6	5.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 12**

RNA Area:	769.8	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	2,110 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]:	1.2	Result Flagging Label:	RIN: 6.40

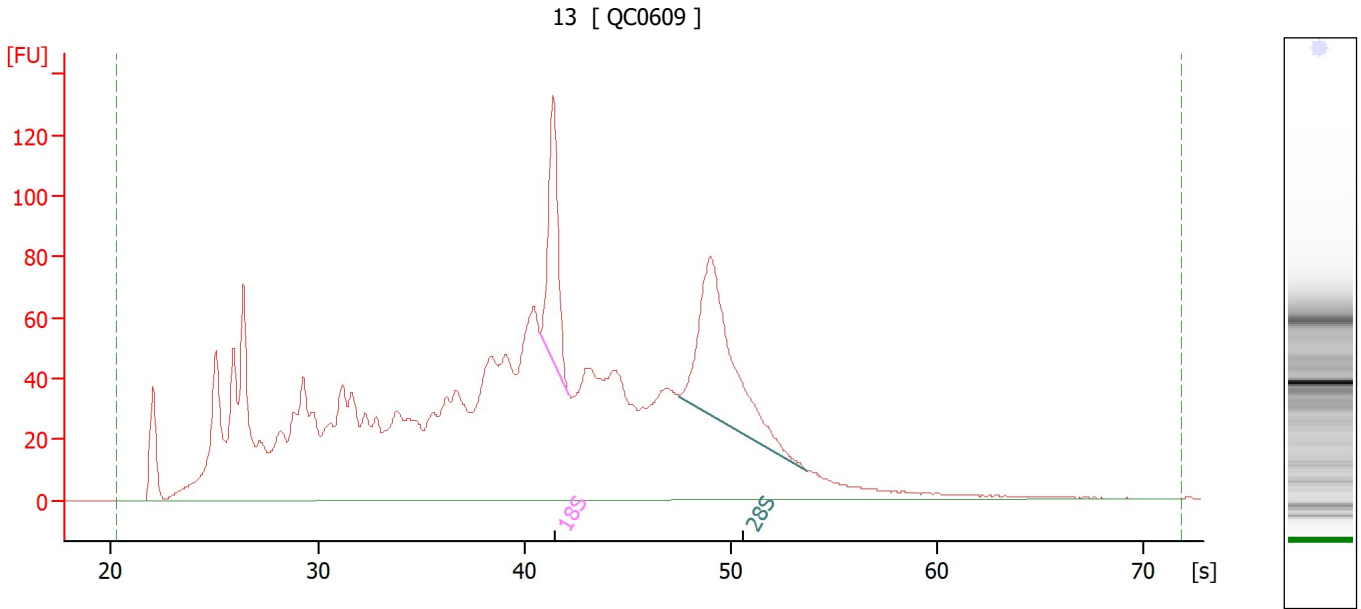
**Fragment table for sample 3 : 12**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.82	42.23	54.6	7.1
28S	47.13	50.57	66.9	8.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 13**

RNA Area:	2,838.4	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	7,780 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]:	1.7	Result Flagging Label:	RIN: 5.30

**Fragment table for sample 4 : 13**

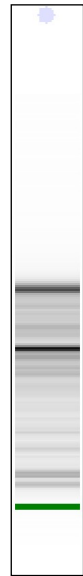
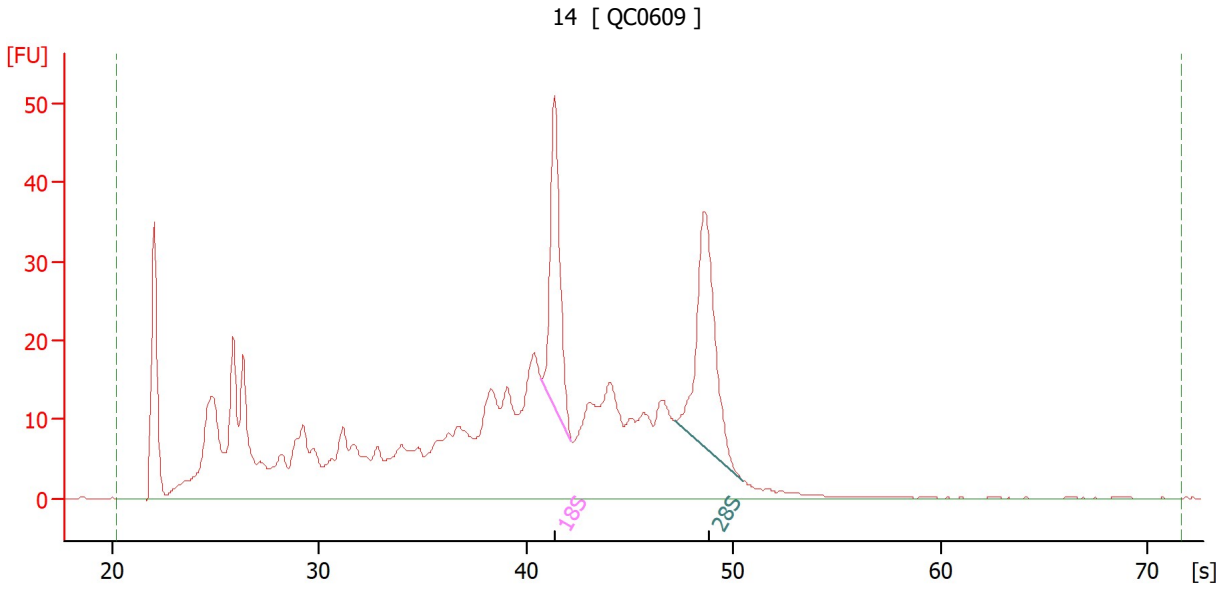
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.78	42.18	115.5	4.1
28S	47.48	53.67	198.6	7.0



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 14**

RNA Area:	751.9	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	2,061 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]:	1.2	Result Flagging Label:	RIN: 6.20

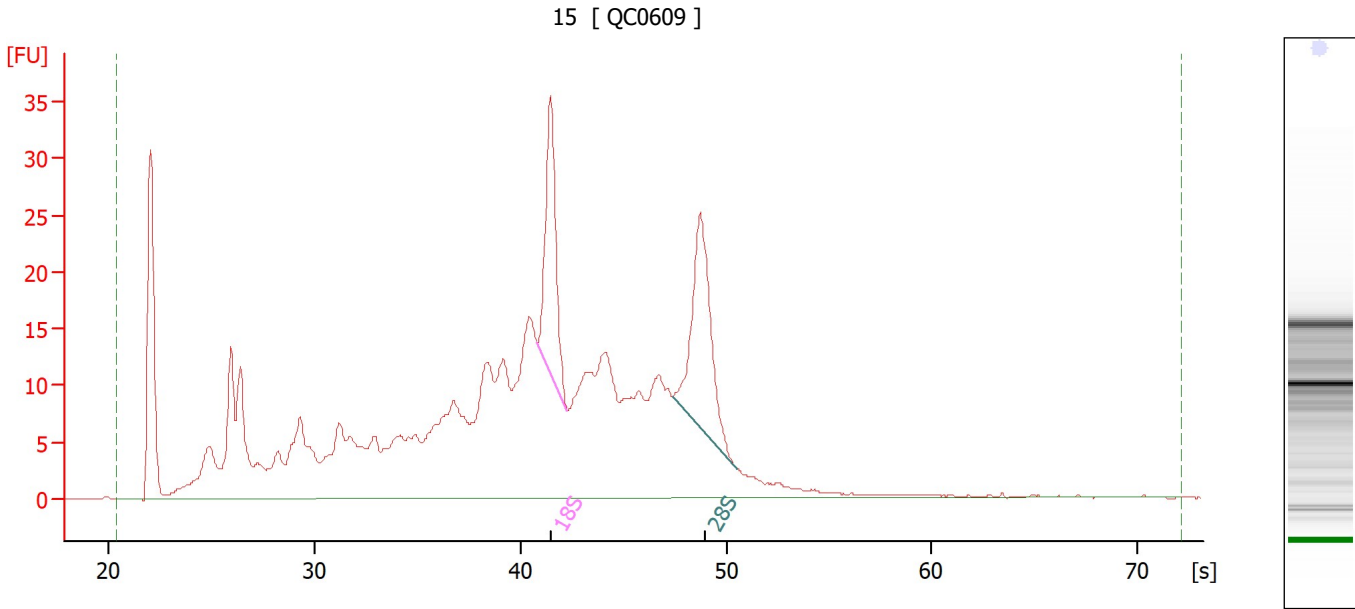
**Fragment table for sample 5 : 14**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.73	42.18	51.8	6.9
28S	47.17	50.43	62.5	8.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 15**

RNA Area:	596.1	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	1,634 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]:	1.2	Result Flagging Label:	RIN: 5.70

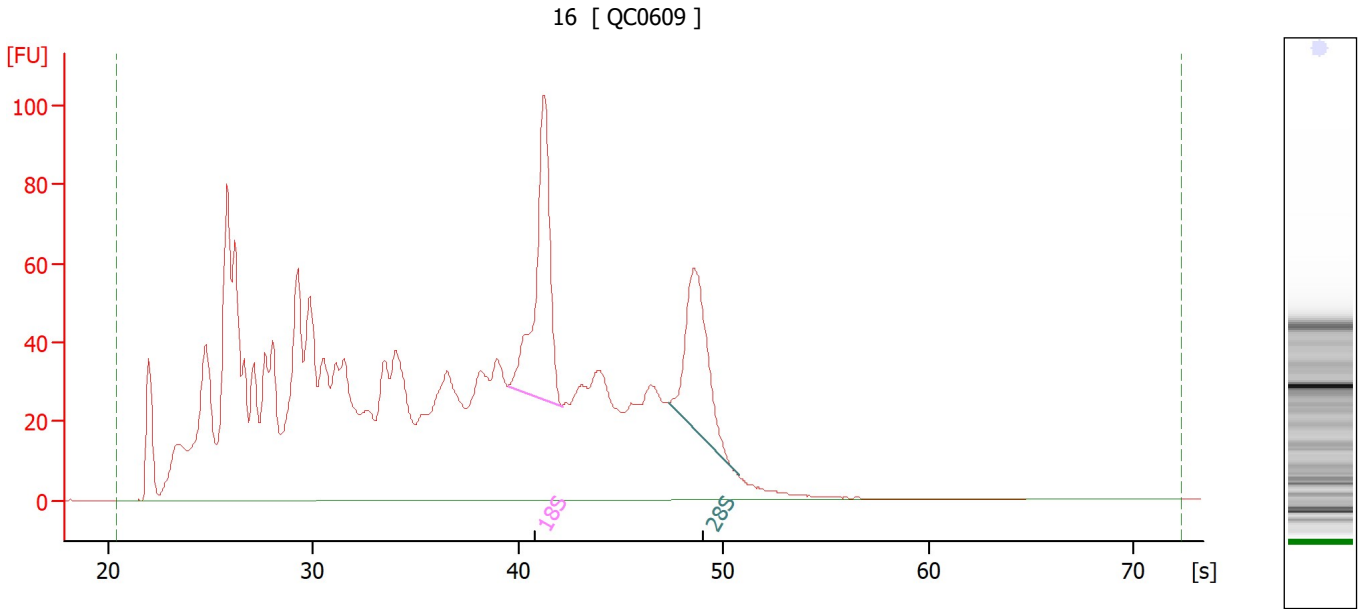
**Fragment table for sample 6 : 15**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.81	42.28	34.2	5.7
28S	47.45	50.48	40.5	6.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 16**

RNA Area:	2,458.5	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	6,739 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]:	0.7	Result Flagging Label:	RIN: 5.20

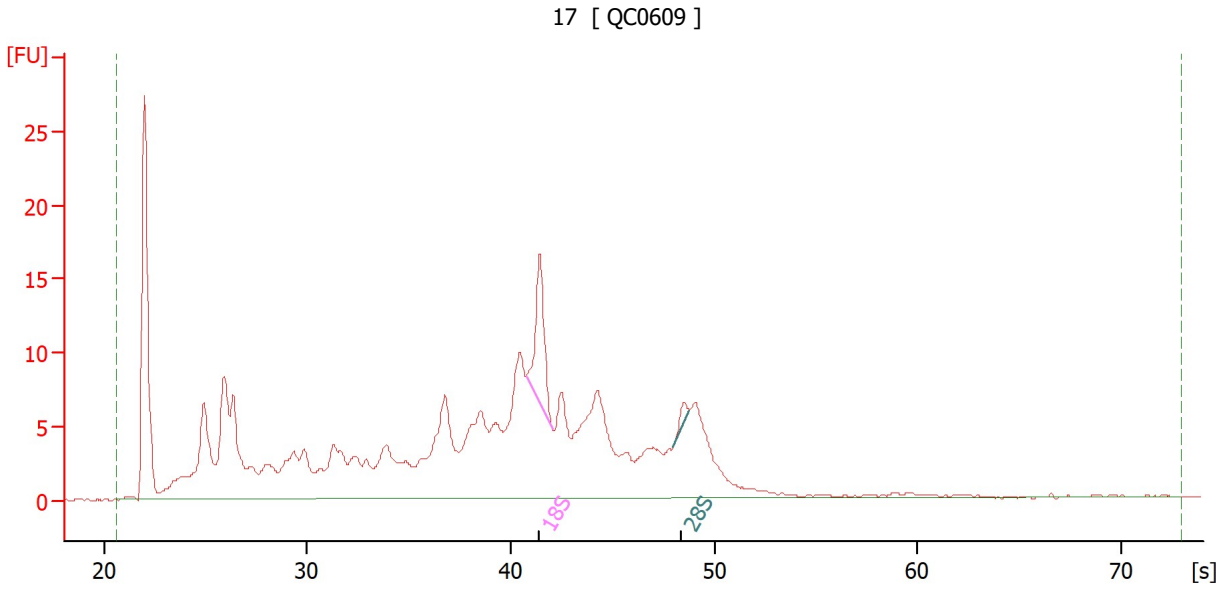
**Fragment table for sample 7 : 16**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.50	42.11	147.0	6.0
28S	47.35	50.70	104.9	4.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 17**

RNA Area:	309.2	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	848 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: 3.80

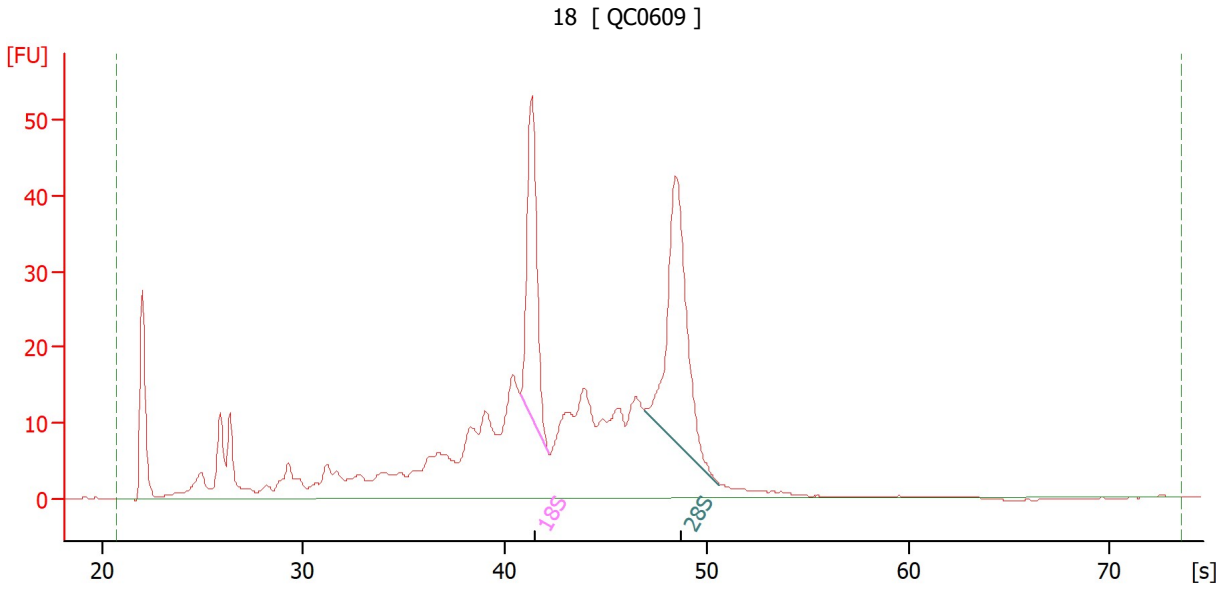
**Fragment table for sample 8 : 17**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.77	42.04	11.8	3.8
28S	48.02	48.81	1.3	0.4

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 18**

RNA Area:	572.3	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	1,569 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

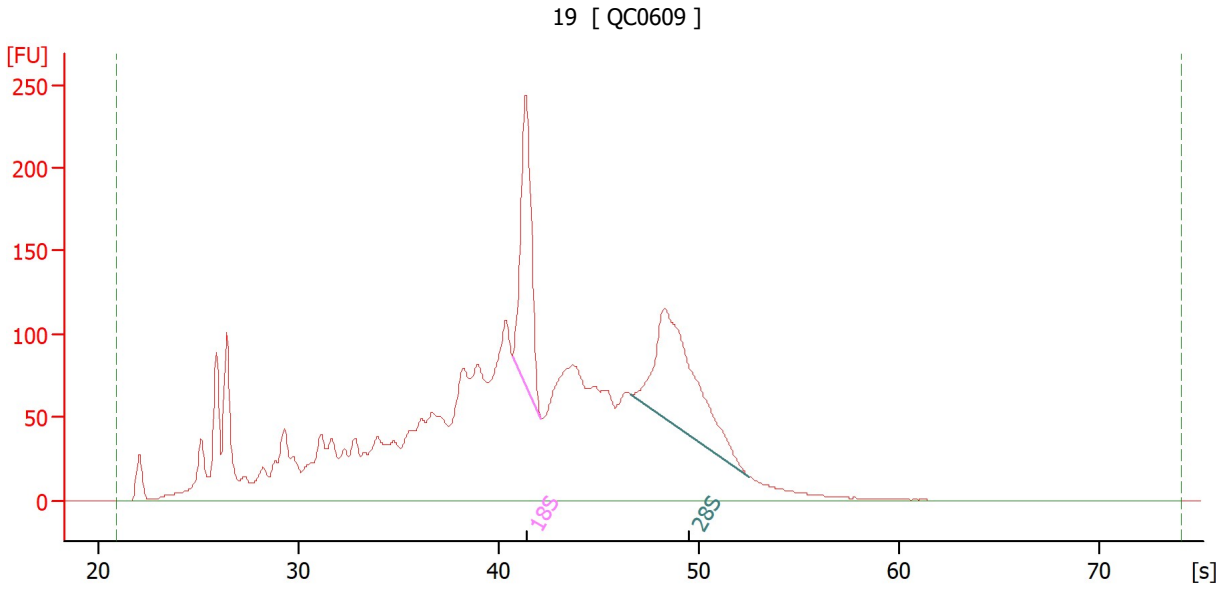
**Fragment table for sample 9 : 18**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.75	42.14	56.6	9.9
28S	46.93	50.66	77.8	13.6

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 19**

RNA Area:	4,037.2	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	11,065 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: 5.80

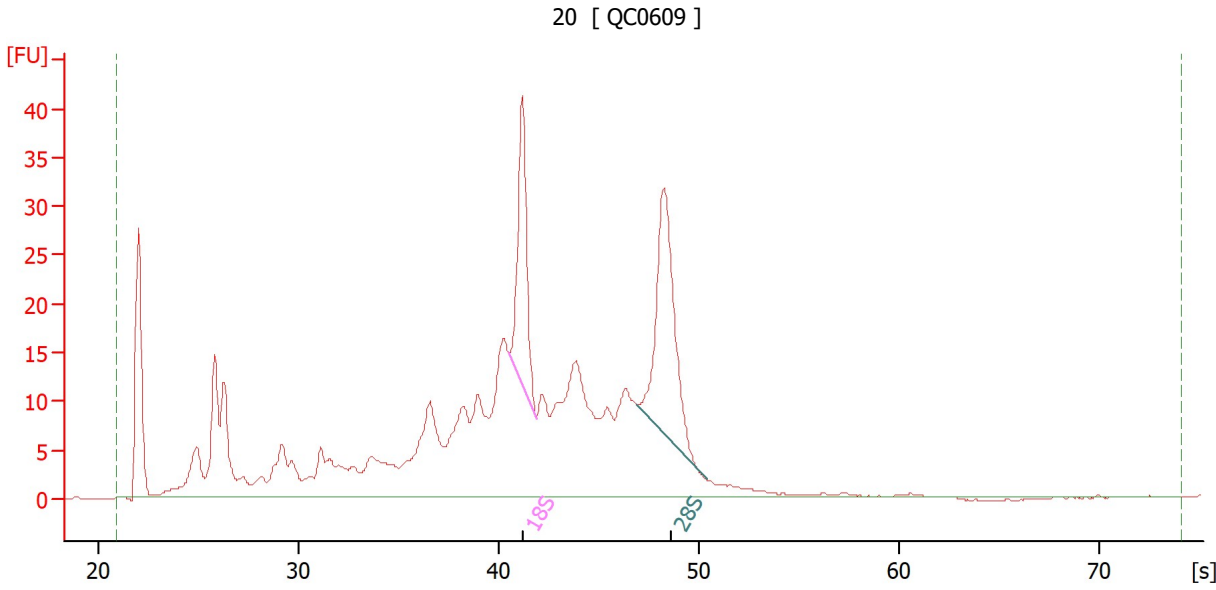
**Fragment table for sample 10 : 19**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.67	42.12	259.2	6.4
28S	46.63	52.48	329.5	8.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 20**

RNA Area:	542.8	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	1,488 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]:	1.5	Result Flagging Label:	RIN: 6.30

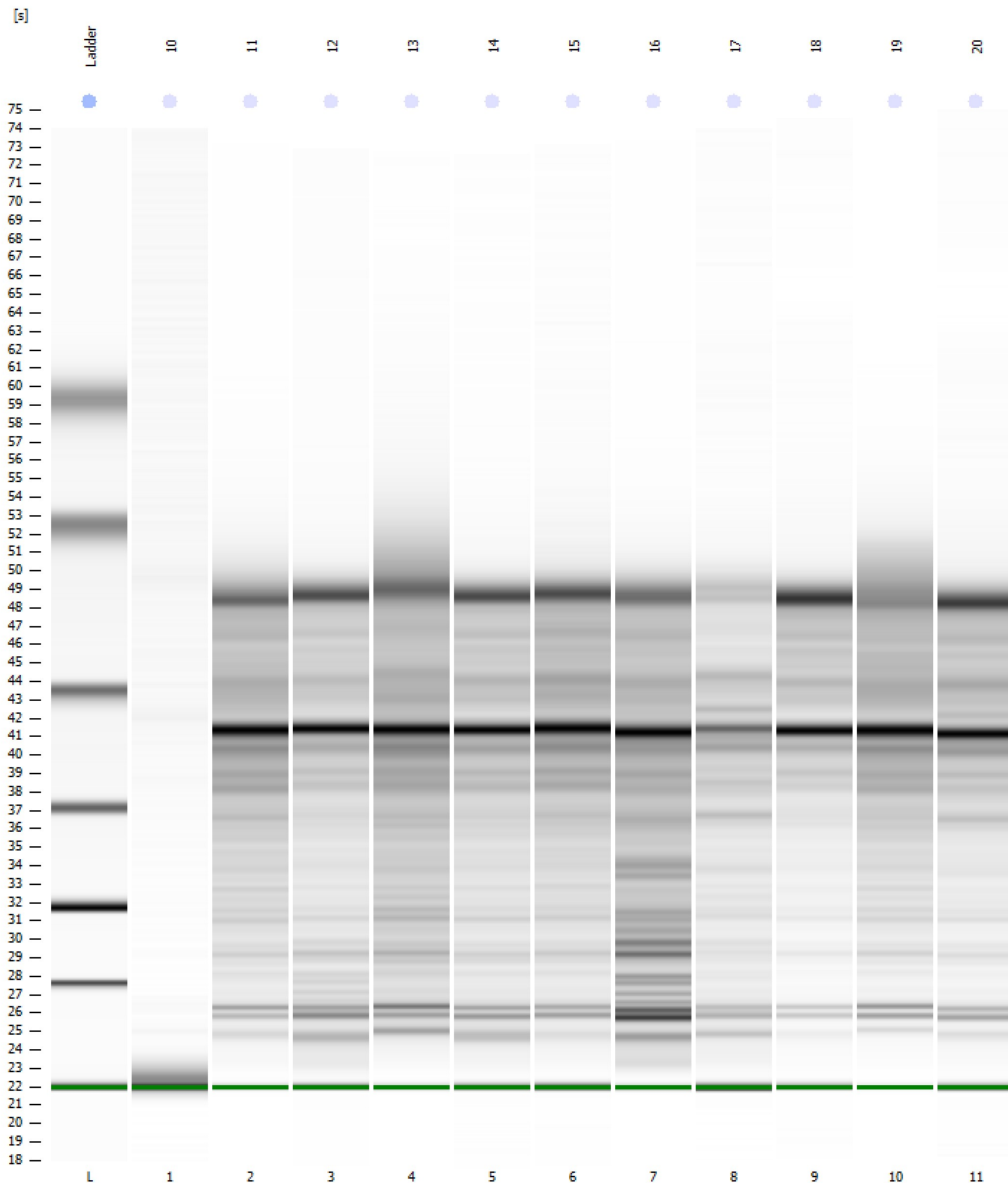
**Fragment table for sample 11 : 20**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.51	41.85	36.8	6.8
28S	46.90	50.33	54.5	10.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
Modified: 7/16/2020 4:42:20 PM

Gel Image





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-16\_004.xad

Created: 7/16/2020 4:19:25 PM  
 Modified: 7/16/2020 4:42:20 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/16/2020 4:42:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-16\Bioanalyze r1_Eukaryote Total RNA Pico_2020-07-16_004.xad)		Instrument	Run		7/16/2020 4:19:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/16/2020 4:19:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/16/2020 4:19:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/16/2020 4:19:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/16/2020 4:19:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/16/2020 4:19:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/16/2020 4:19:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB