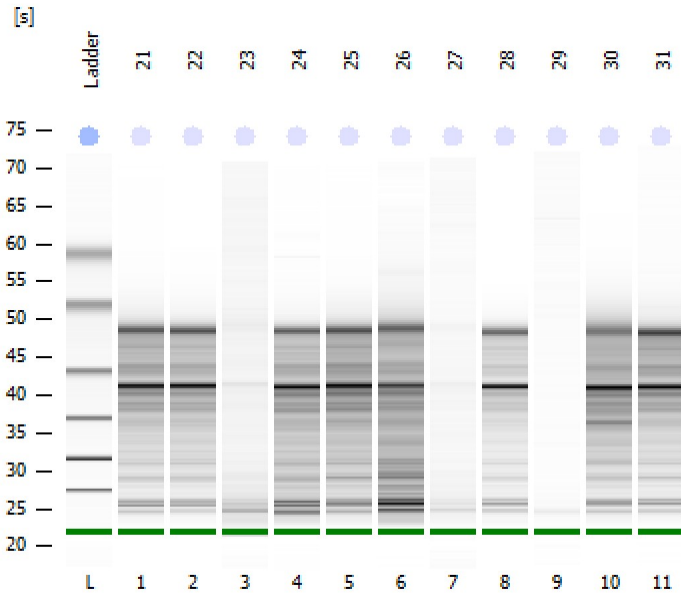


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
Modified: 7/17/2020 10:57:00 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

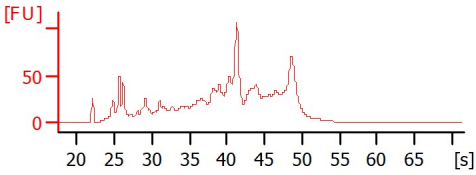
Assay Information:

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.

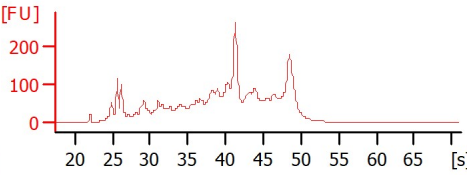
Chip Information:

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

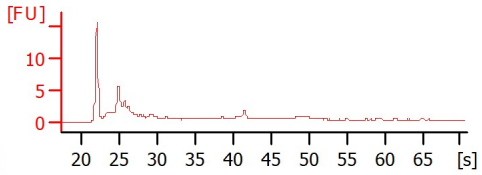
**21**  
QC0609  
RIN: 5.20



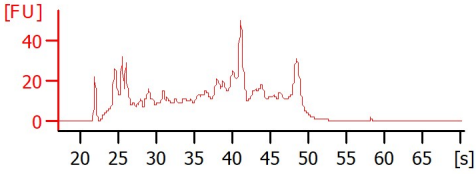
**22**  
QC0609  
RIN: 5.40



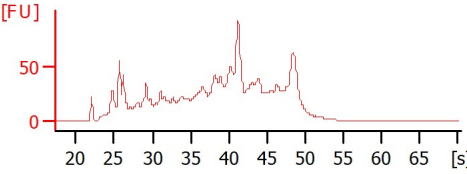
**23**  
QC0609  
RIN: 2.60



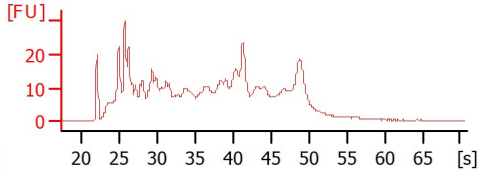
**24**  
QC0609  
RIN: 4.80



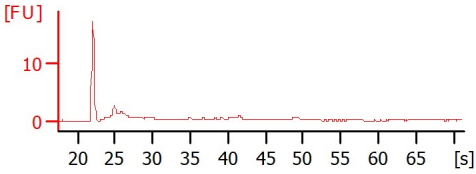
**25**  
QC0609  
RIN: 4.60



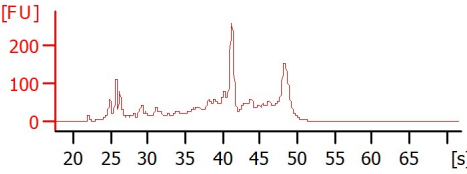
**26**  
QC0609  
RIN: 3.80



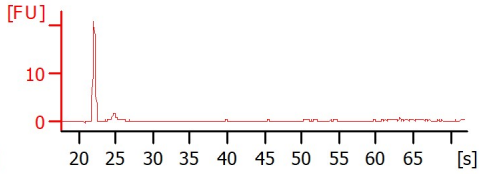
**27**  
QC0609  
RIN: 1.70



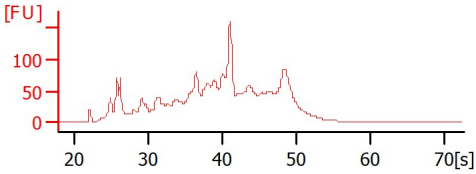
**28**  
QC0609  
RIN: 6.10



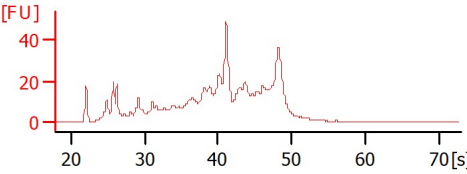
**29**  
QC0609  
RIN: 1



**30**  
QC0609  
RIN: 4.50



**31**  
QC0609  
RIN: 5.40



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
21	QC0609	✓	RIN: 5.20	
22	QC0609	✓	RIN: 5.40	
23	QC0609	✓	RIN: 2.60	
24	QC0609	✓	RIN: 4.80	
25	QC0609	✓	RIN: 4.60	
26	QC0609	✓	RIN: 3.80	
27	QC0609	✓	RIN: 1.70	
28	QC0609	✓	RIN: 6.10	
29	QC0609	✓	RIN:1	
30	QC0609	✓	RIN: 4.50	
31	QC0609	✓	RIN: 5.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**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

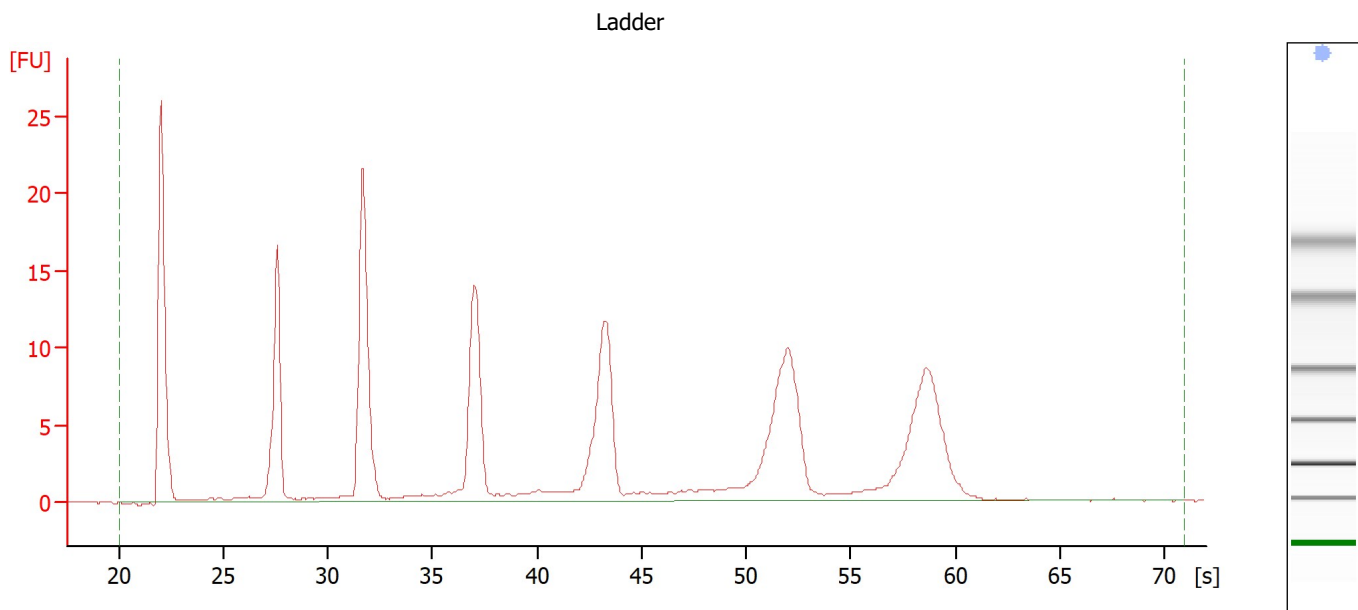
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary**



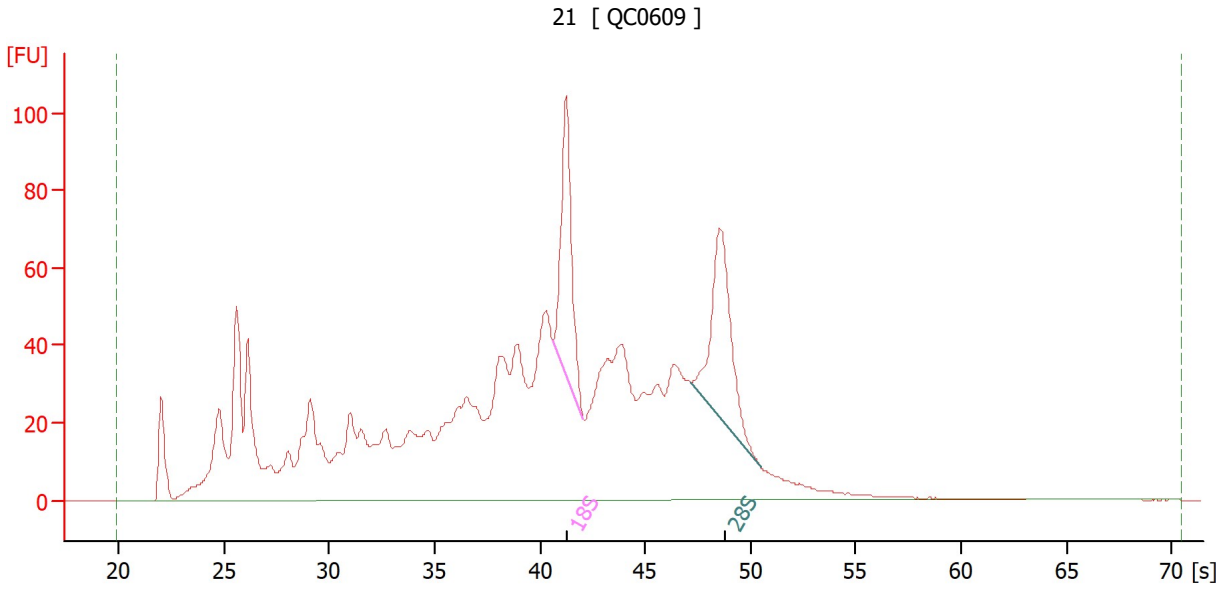
**Overall Results for Ladder**

RNA Area:	190.0	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: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 21**

RNA Area:	1,893.8	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	9,967 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: 5.20

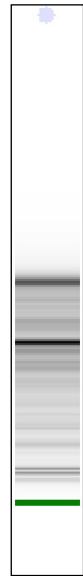
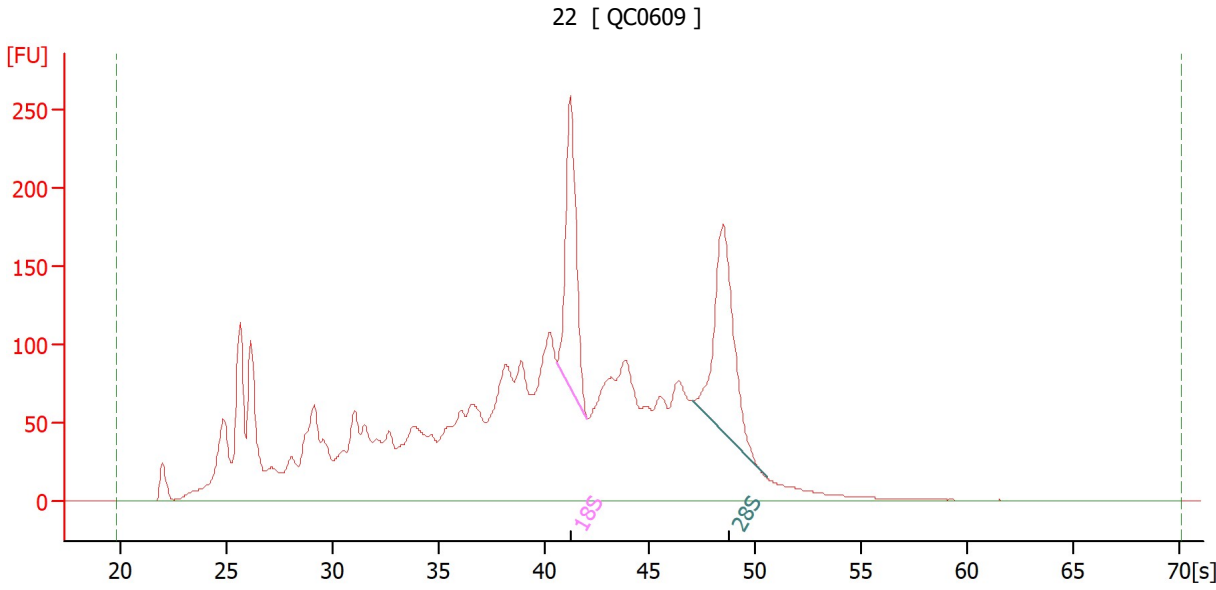
**Fragment table for sample 1 : 21**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.63	42.06	98.7	5.2
28S	47.16	50.48	108.1	5.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 22**

RNA Area:	4,415.8	RNA Integrity Number (RIN):	5.4 (B.02.10)
RNA Concentration:	23,240 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: 5.40

**Fragment table for sample 2 : 22**

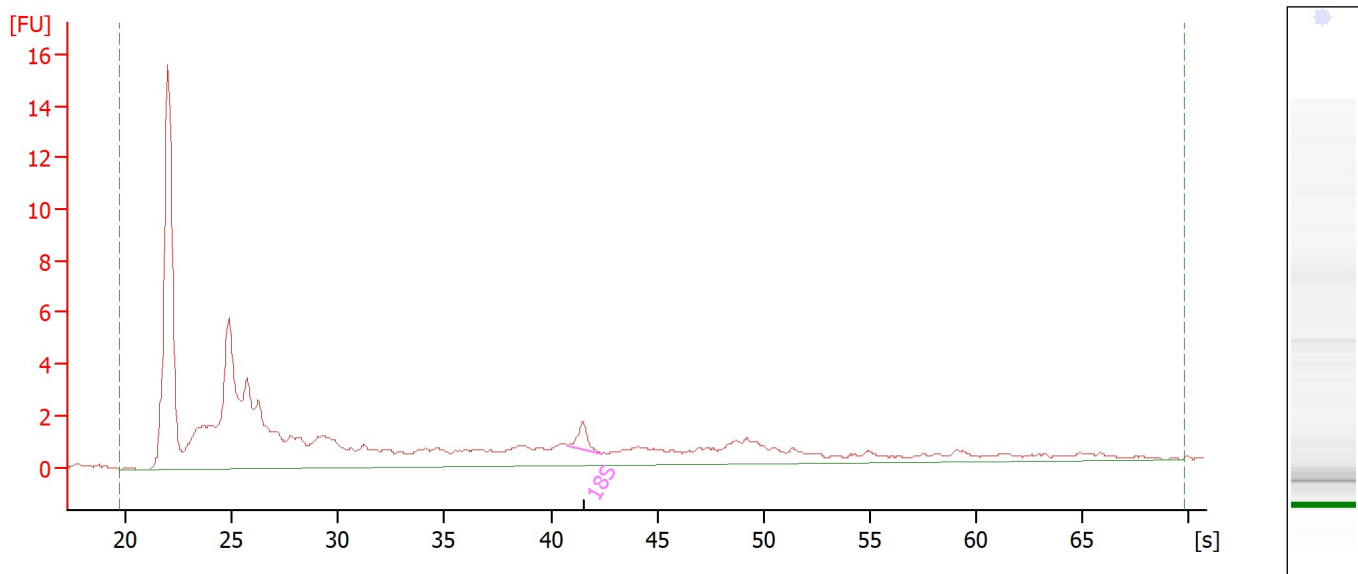
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.65	42.07	253.4	5.7
28S	47.00	50.50	293.9	6.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**

23 [ QC0609 ]



**Overall Results for sample 3 : 23**

RNA Area:	92.8	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	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]:	0.0	Result Flagging Label:	RIN: 2.60

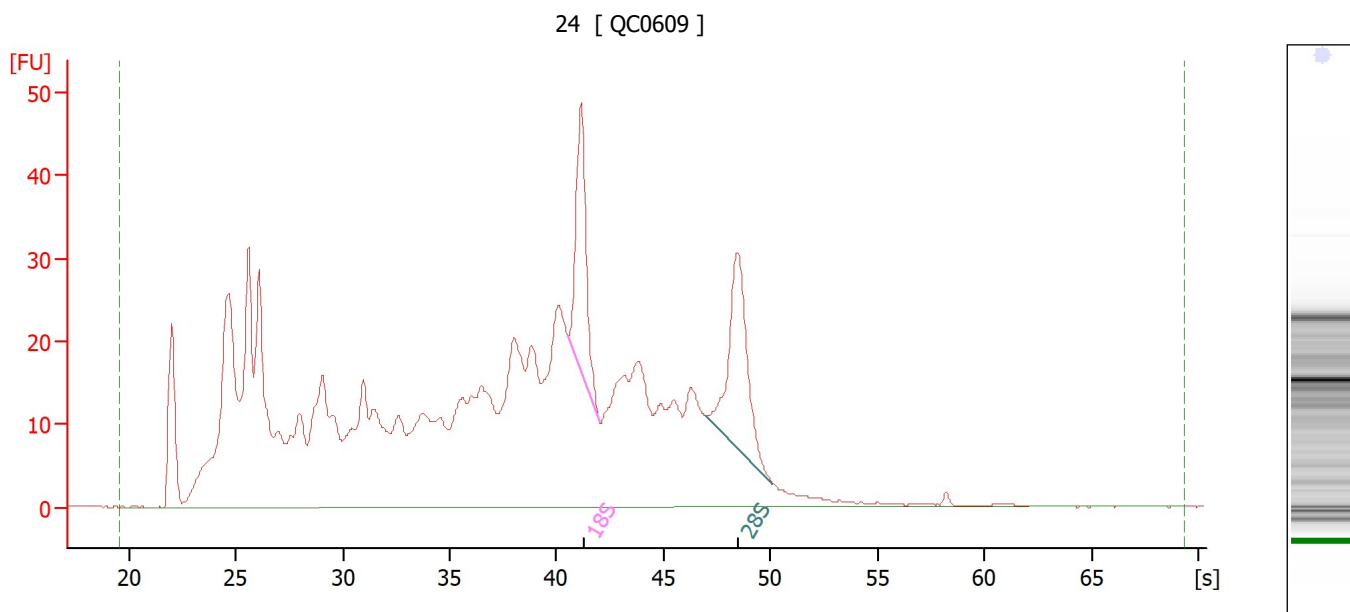
**Fragment table for sample 3 : 23**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.76	42.38	1.3	1.4

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 24**

RNA Area:	1,068.4	RNA Integrity Number (RIN):	4.8 (B.02.10)
RNA Concentration:	5,623 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: 4.80

**Fragment table for sample 4 : 24**

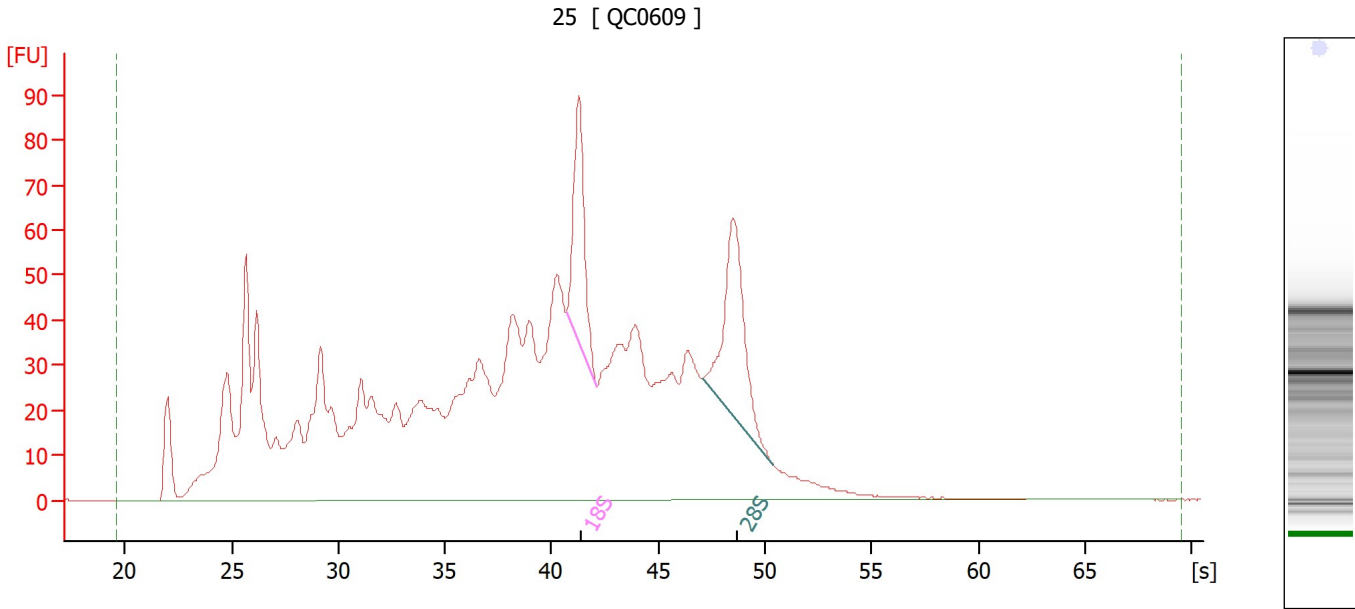
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.53	41.99	42.5	4.0
28S	47.01	50.08	48.1	4.5



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 25**

RNA Area:	2,021.2	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	10,637 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: 4.60

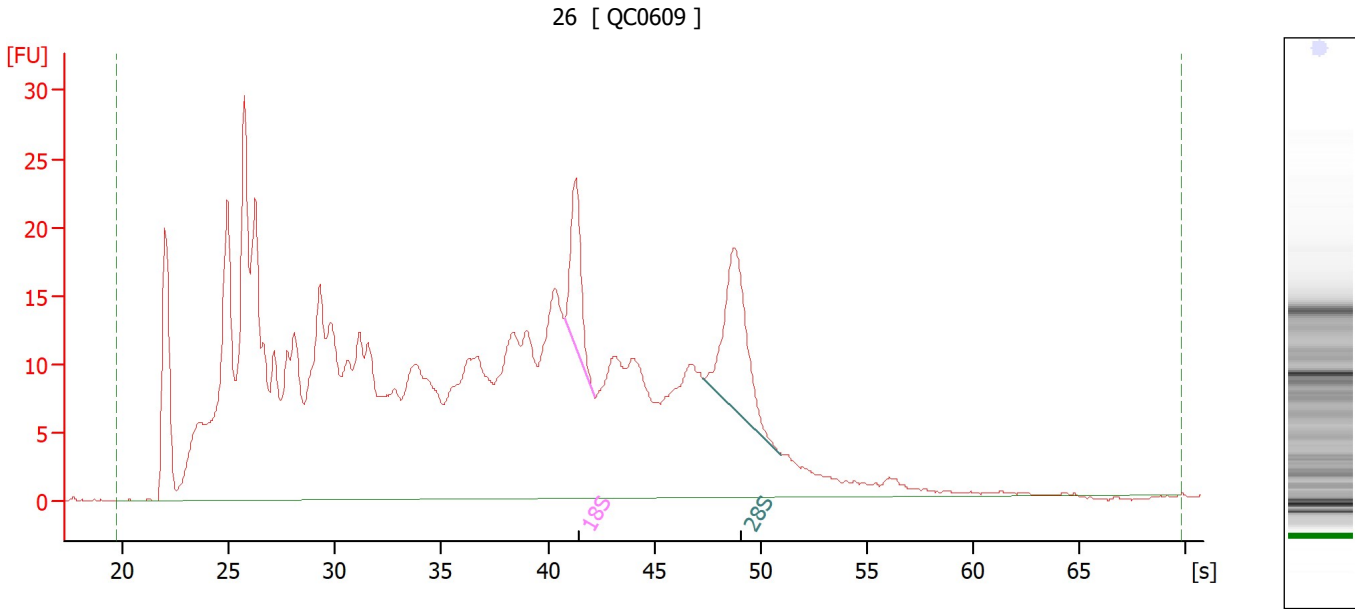
**Fragment table for sample 5 : 25**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.68	42.09	76.5	3.8
28S	47.07	50.39	98.0	4.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 26**

RNA Area:	839.3	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	4,417 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]:	1.8	Result Flagging Label:	RIN: 3.80

**Fragment table for sample 6 : 26**

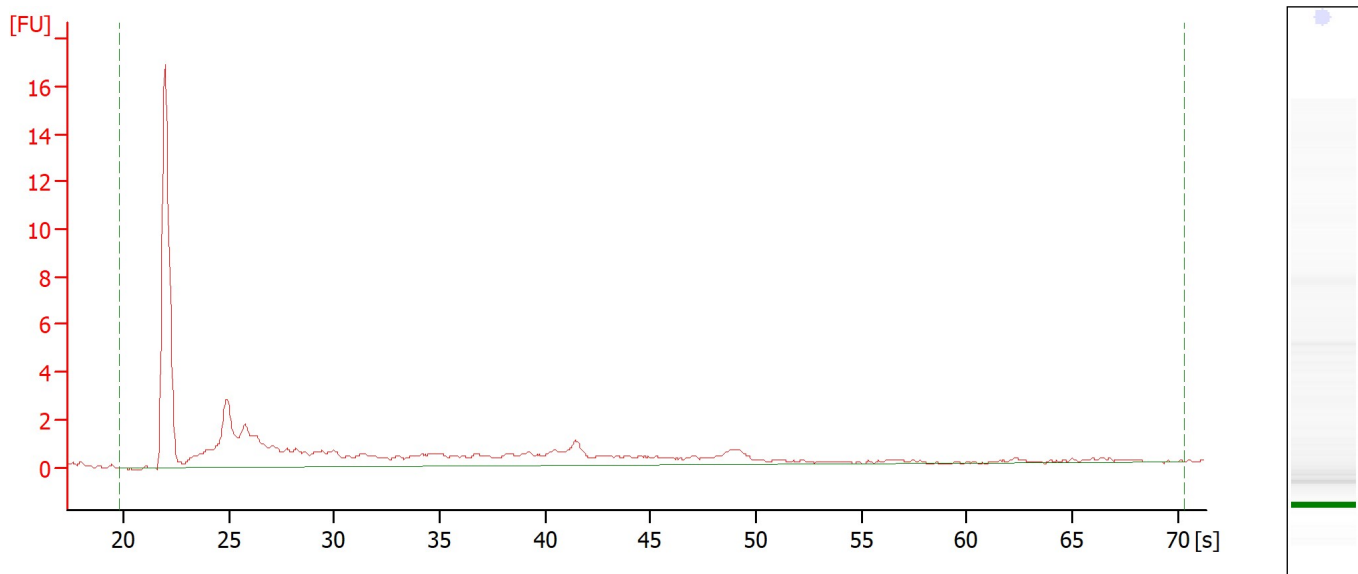
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.76	42.18	16.6	2.0
28S	47.34	50.98	29.7	3.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**

27 [ QC0609 ]



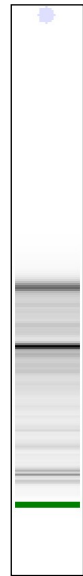
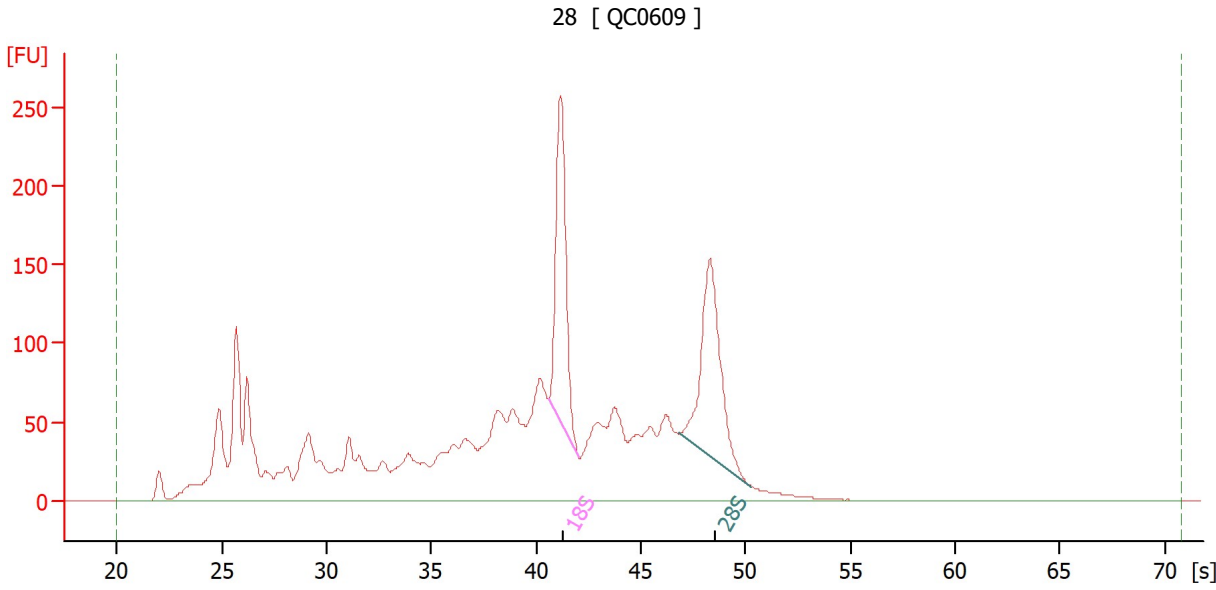
**Overall Results for sample 7 : 27**

RNA Area:	47.5	RNA Integrity Number (RIN):	1.7 (B.02.10)
RNA Concentration:	250 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: 1.70

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 28**

RNA Area:	3,192.5	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	16,802 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: 6.10

**Fragment table for sample 8 : 28**

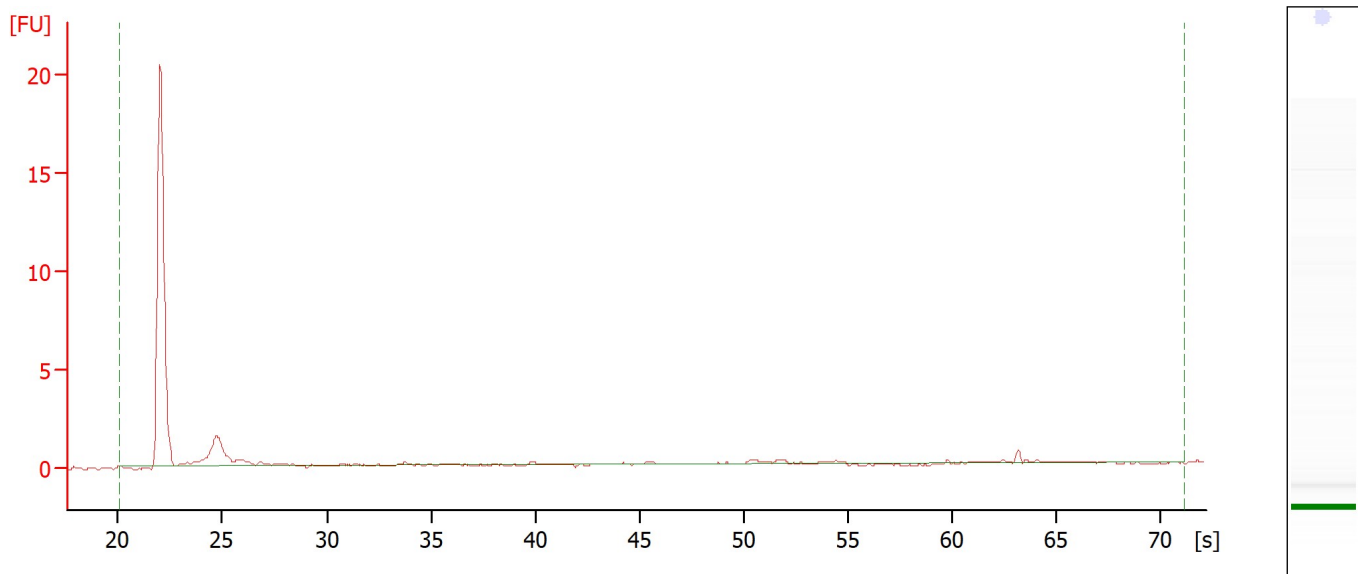
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.56	42.00	277.4	8.7
28S	46.82	50.26	276.9	8.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**

29 [ QC0609 ]



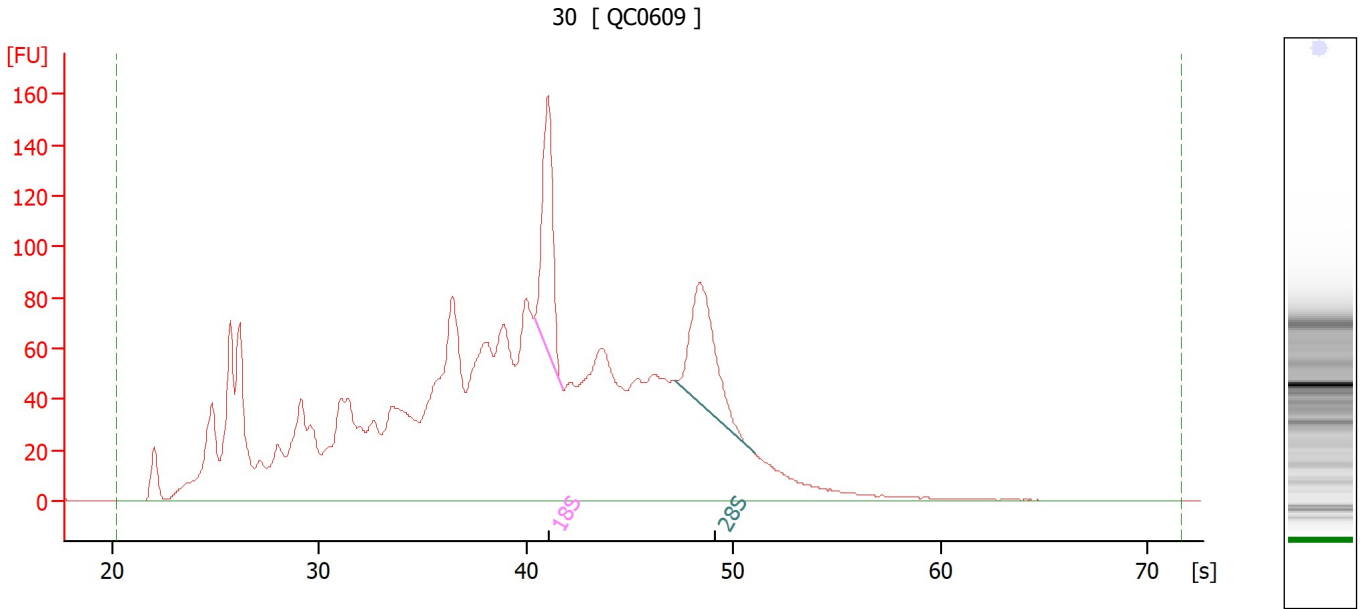
**Overall Results for sample 9 : 29**

RNA Area:	8.6	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	45 pg/ $\mu$ l	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:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 30**

RNA Area:	3,335.3	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	17,553 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: 4.50

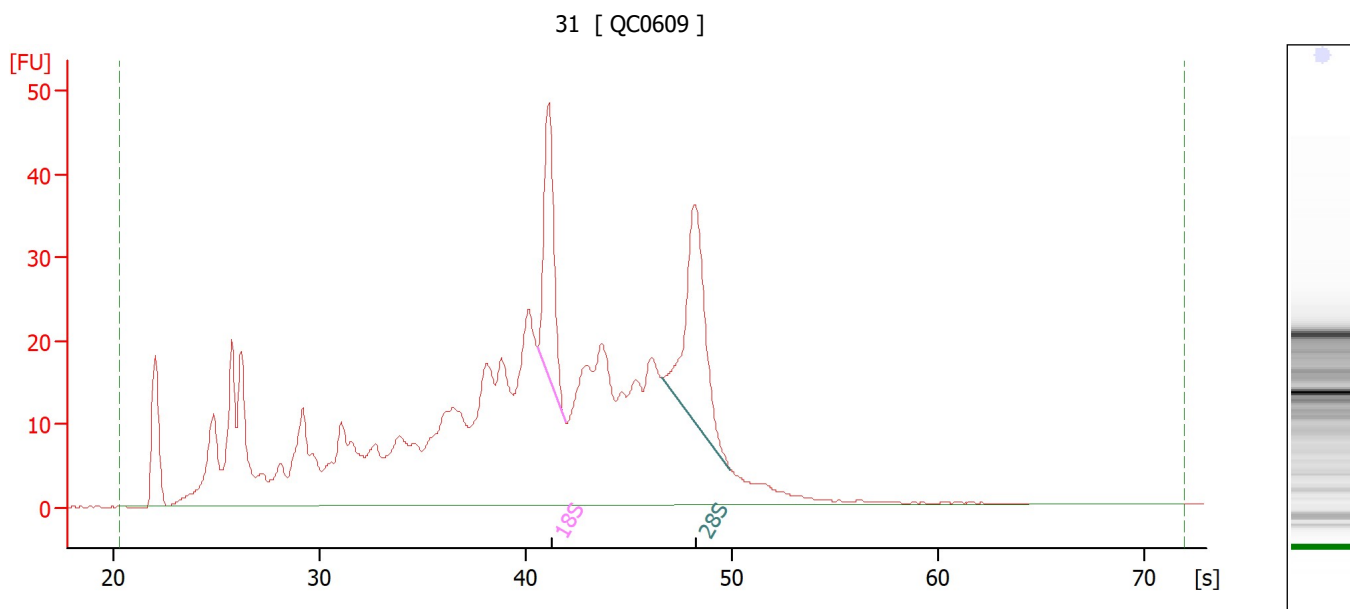
**Fragment table for sample 10 : 30**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.37	41.72	142.9	4.3
28S	47.22	51.00	138.6	4.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 31**

RNA Area:	855.9	RNA Integrity Number (RIN):	5.4 (B.02.10)
RNA Concentration:	4,505 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: 5.40

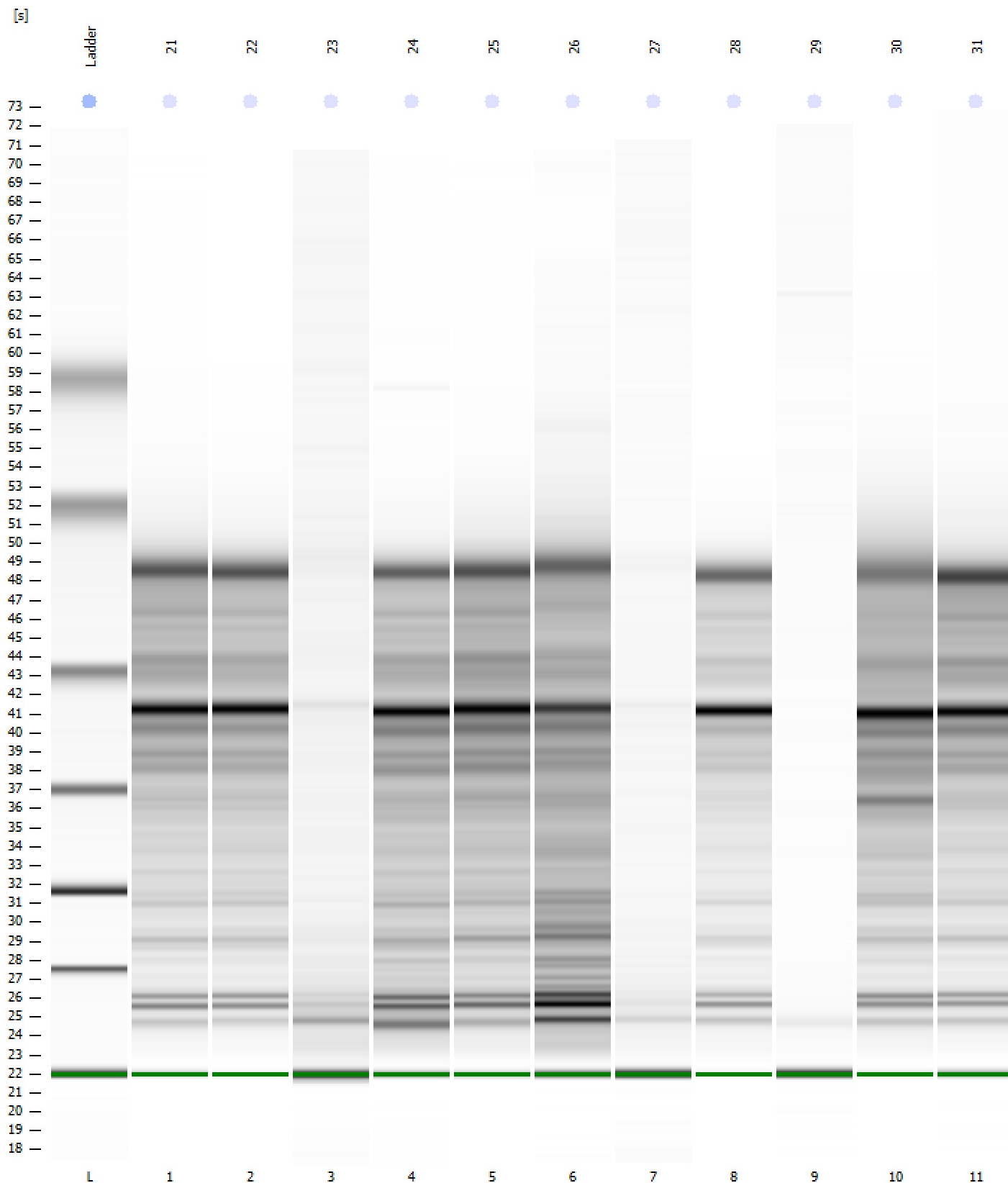
**Fragment table for sample 11 : 31**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.56	41.91	44.5	5.2
28S	46.66	49.94	58.6	6.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
Modified: 7/17/2020 10:57:00 AM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...17\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-17\_001.xad

Created: 7/17/2020 10:34:00 AM  
 Modified: 7/17/2020 10:57:00 AM

**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		7/17/2020 10:56:55 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-17\Bioanalyze r1_Eukaryote Total RNA Pico_2020-07-17_001.xad)		Instrument	Run		7/17/2020 10:34:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/17/2020 10:34:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/17/2020 10:34:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/17/2020 10:34:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/17/2020 10:34:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/17/2020 10:34:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/17/2020 10:34:05 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB