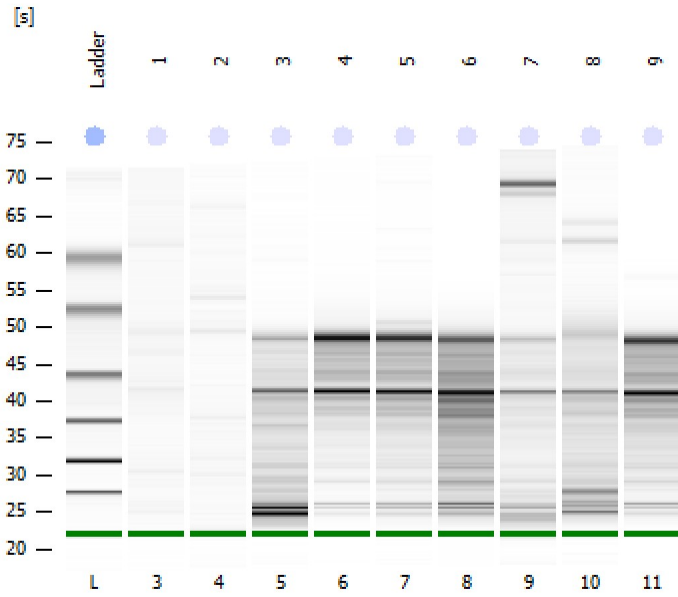


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

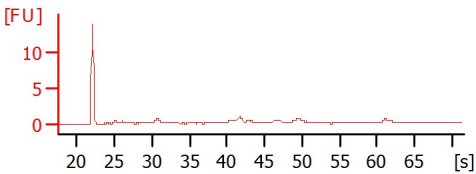
Assay Information:

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.

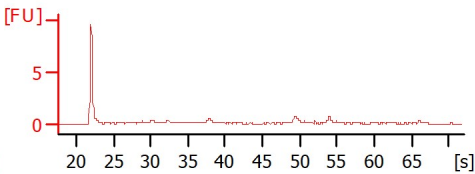
Chip Information:

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

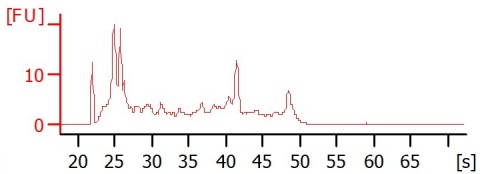
**1**  
QC0609  
RIN: 4.90



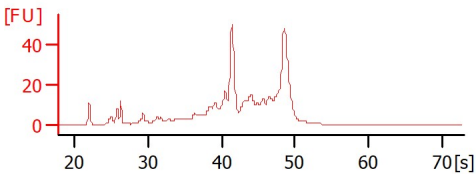
**2**  
QC0609  
RIN: 1



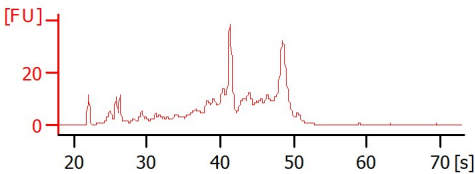
**3**  
QC0609  
RIN: 4.20



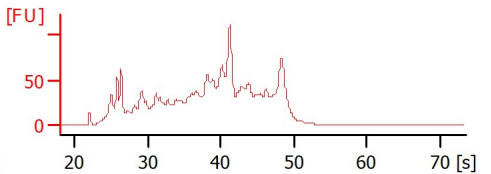
**4**  
QC0609  
RIN: 6.90



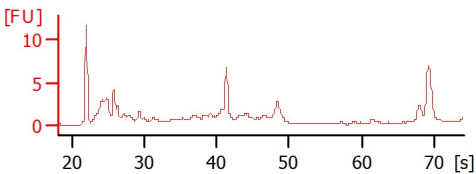
**5**  
QC0609  
RIN: 6.40



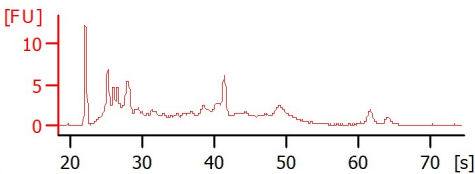
**6**  
QC0609  
RIN: 4.60



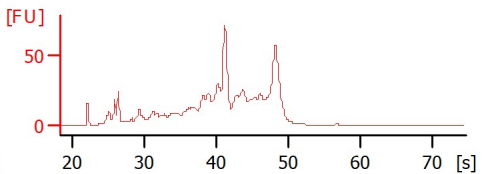
**7**  
QC0609  
RIN: 6.70



**8**  
QC0609  
RIN: 4.70



**9**  
QC0609  
RIN: 6.10



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
 Modified: 7/16/2020 3:16:41 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1	QC0609	✓	RIN: 4.90	
2	QC0609	✓	RIN:1	
3	QC0609	✓	RIN: 4.20	
4	QC0609	✓	RIN: 6.90	
5	QC0609	✓	RIN: 6.40	
6	QC0609	✓	RIN: 4.60	
7	QC0609	✓	RIN: 6.70	
8	QC0609	✓	RIN: 4.70	
9	QC0609	✓	RIN: 6.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 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/ $\mu$ 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

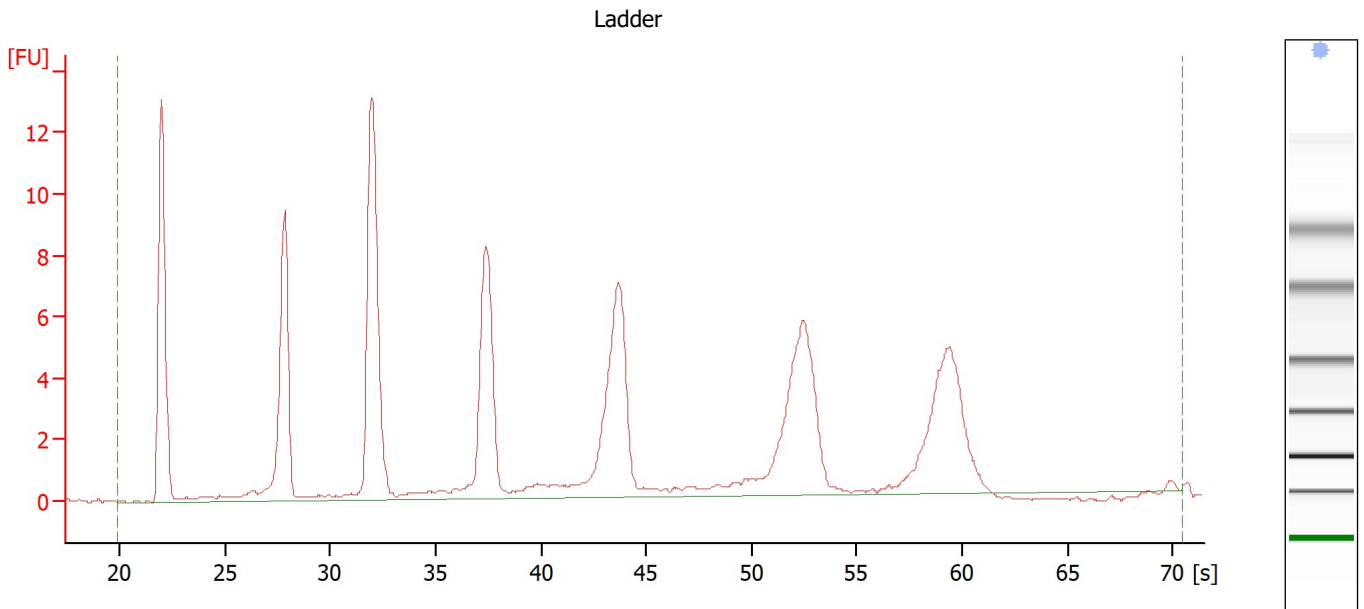
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary**



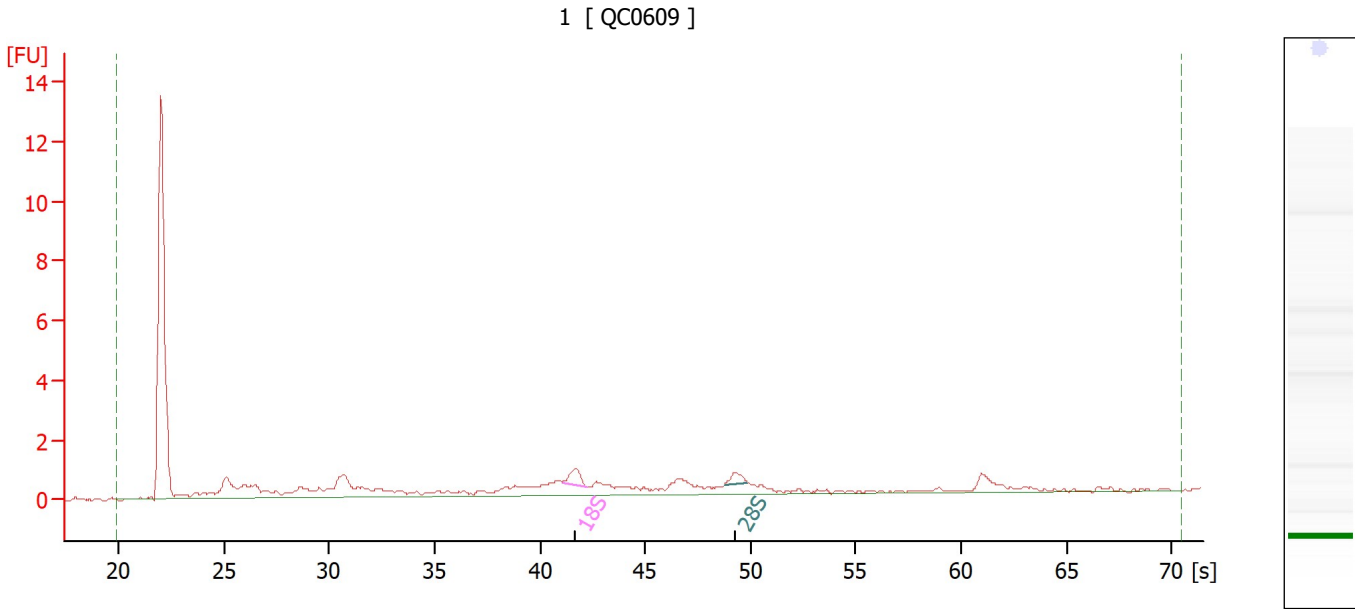
**Overall Results for Ladder**

RNA Area:	115.5	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:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 1**

RNA Area:	23.7	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	205 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]:	0.6	Result Flagging Label:	RIN: 4.90

**Fragment table for sample 3 : 1**

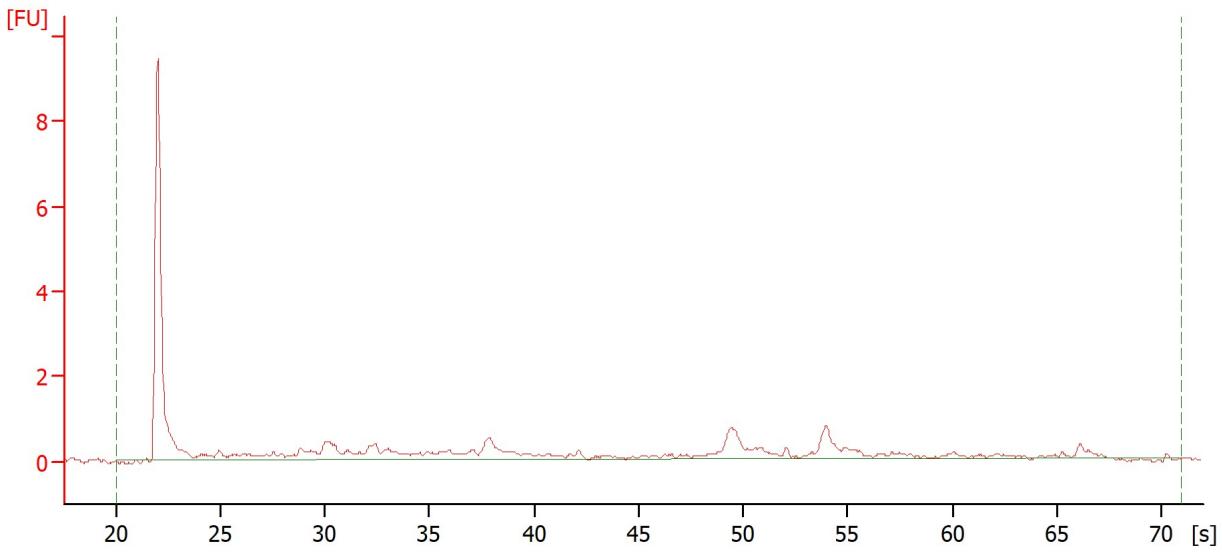
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.04	42.21	0.8	3.3
28S	48.75	49.87	0.4	1.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**

2 [ QC0609 ]



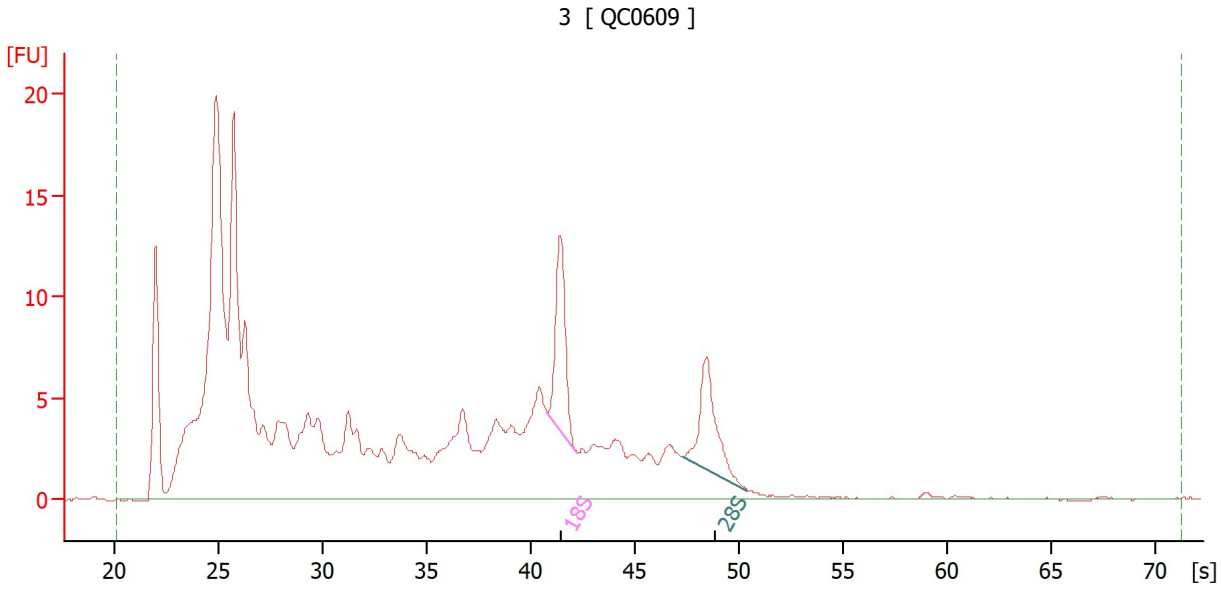
**Overall Results for sample 4 : 2**

RNA Area:	17.6	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	152 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:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 3**

RNA Area:	325.2	RNA Integrity Number (RIN):	4.2 (B.02.10)
RNA Concentration:	2,817 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]:	0.8	Result Flagging Label:	RIN: 4.20

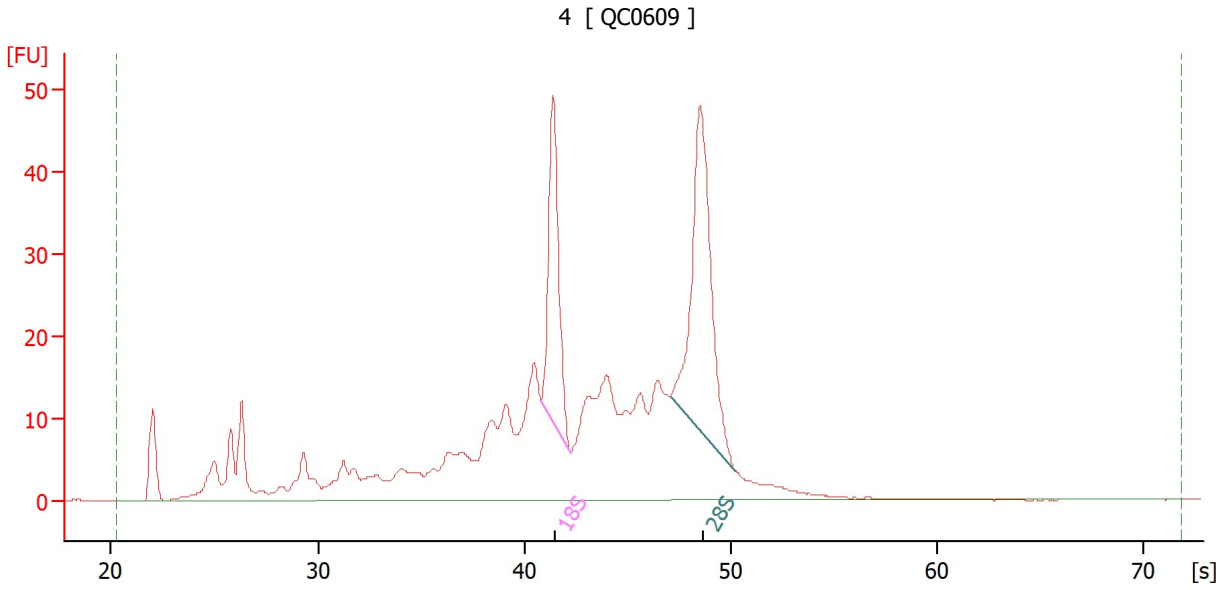
**Fragment table for sample 5 : 3**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.80	42.24	12.3	3.8
28S	47.31	50.46	10.3	3.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 4**

RNA Area:	594.0	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	5,145 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: 6.90

**Fragment table for sample 6 : 4**

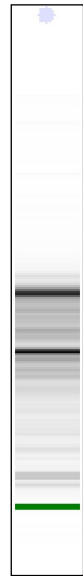
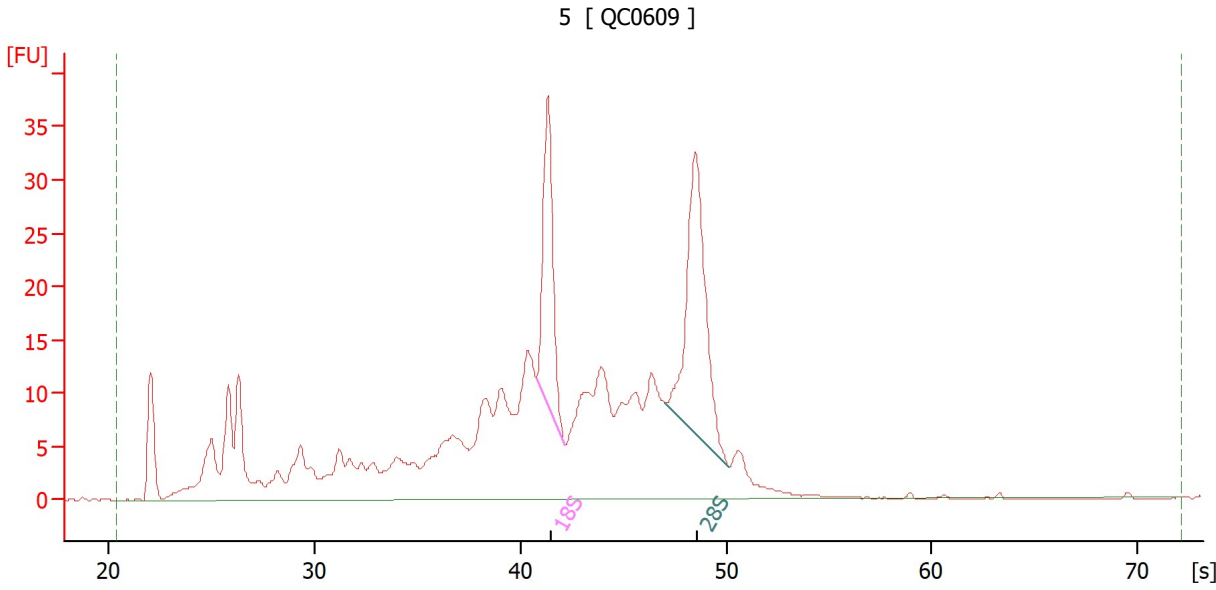
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.83	42.23	55.0	9.3
28S	47.07	50.19	86.9	14.6



Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 5**

RNA Area:	520.4	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	4,507 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: 6.40

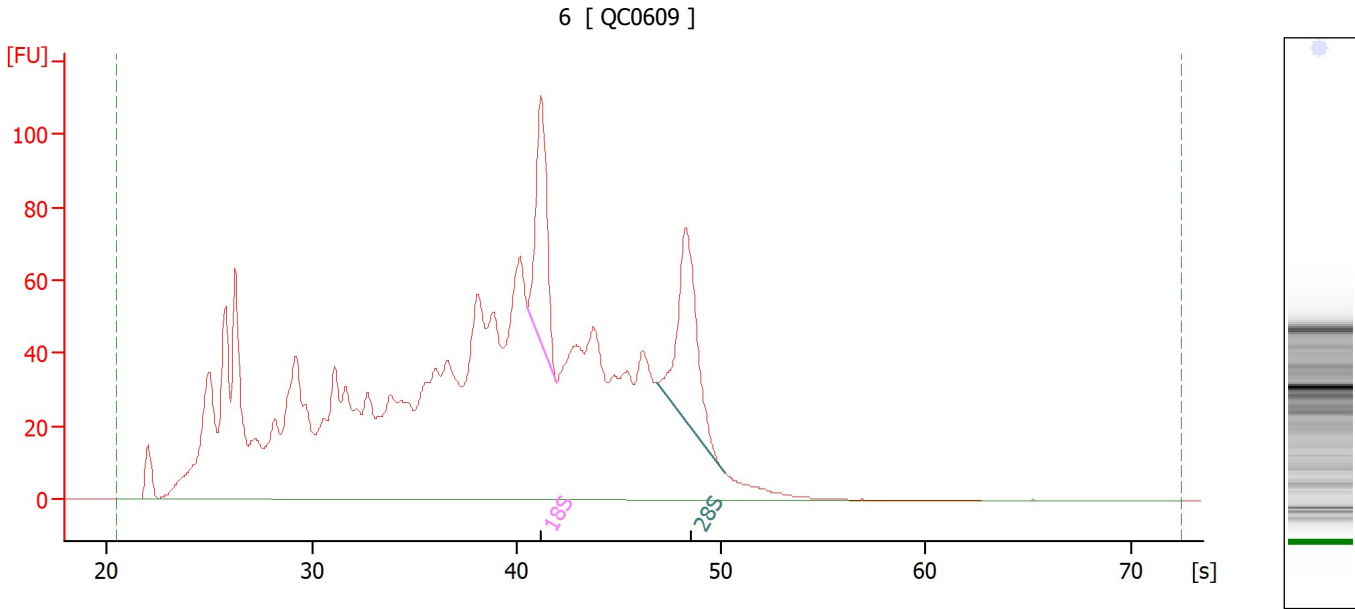
**Fragment table for sample 7 : 5**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.76	42.12	38.3	7.4
28S	47.03	50.11	57.1	11.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 6**

RNA Area: 2,529.3                      RNA Integrity Number (RIN): 4.6 (B.02.10)  
RNA Concentration: 21,905 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.2                      Result Flagging Label: RIN: 4.60

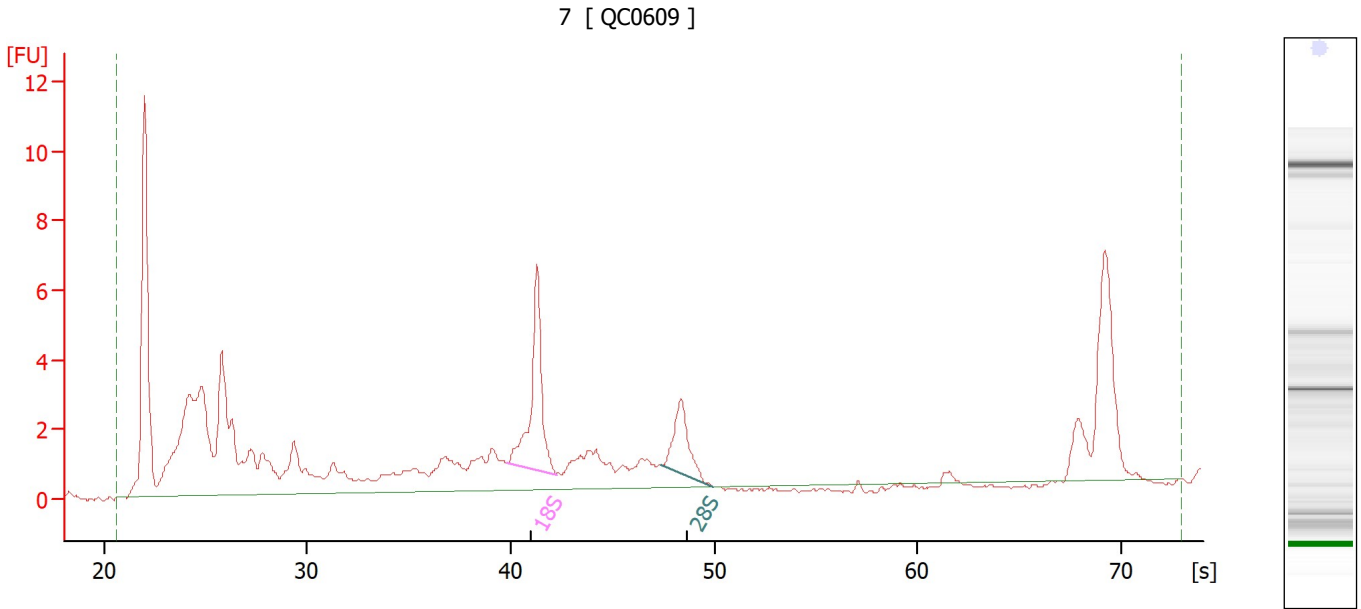
**Fragment table for sample 8 : 6**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.53	41.95	100.1	4.0
28S	46.84	50.20	119.8	4.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 7**

RNA Area: 97.9 RNA Integrity Number (RIN): 6.7 (B.02.10)  
RNA Concentration: 848 µg/µl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 6.70

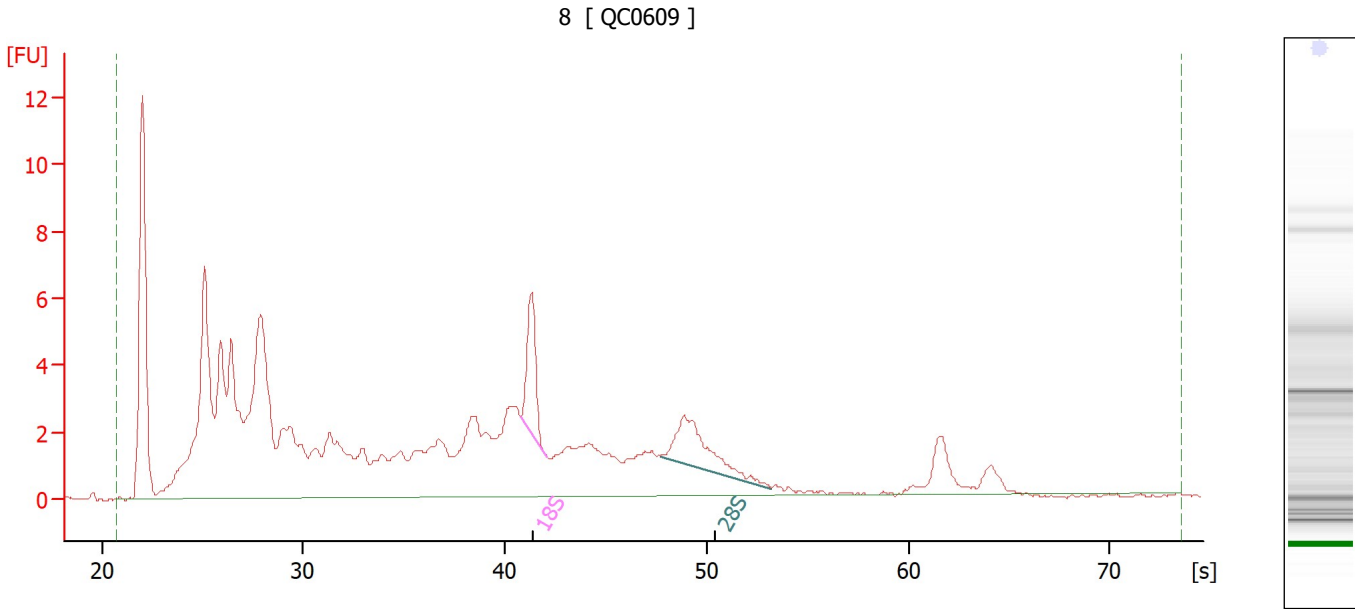
**Fragment table for sample 9 : 7**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.82	42.25	8.5	8.7
28S	47.44	49.92	3.7	3.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 8**

RNA Area:	161.9	RNA Integrity Number (RIN):	4.7 (B.02.10)
RNA Concentration:	1,402 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]:	1.1	Result Flagging Label:	RIN: 4.70

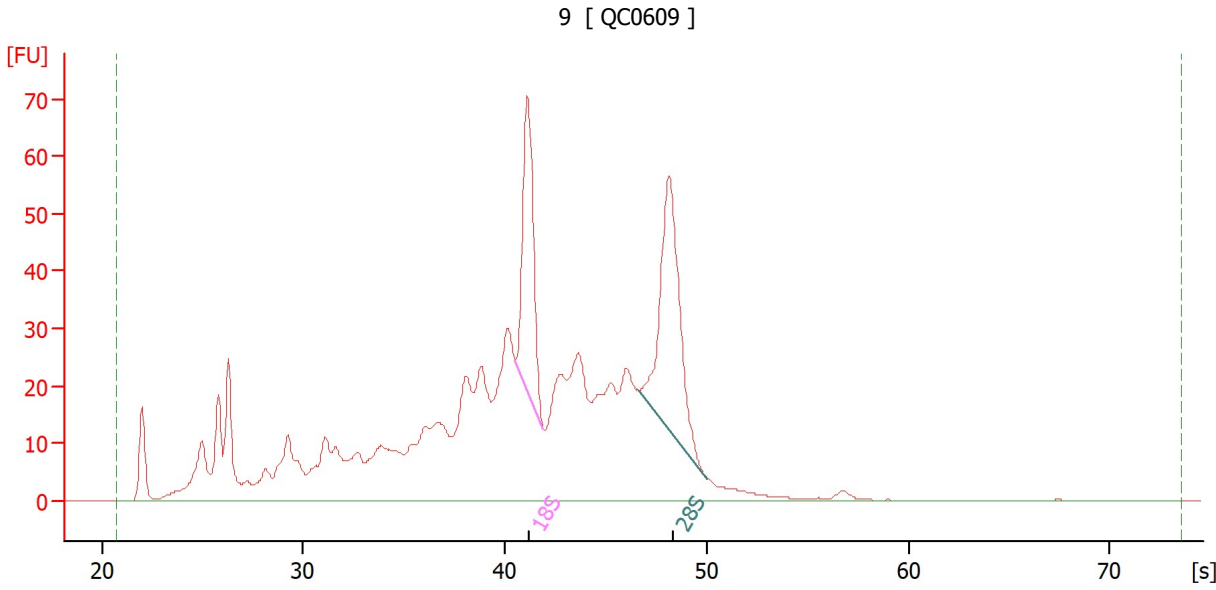
**Fragment table for sample 10 : 8**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.80	42.08	4.8	3.0
28S	47.73	53.22	5.3	3.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 9**

RNA Area:	1,075.8	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	9,317 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: 6.10

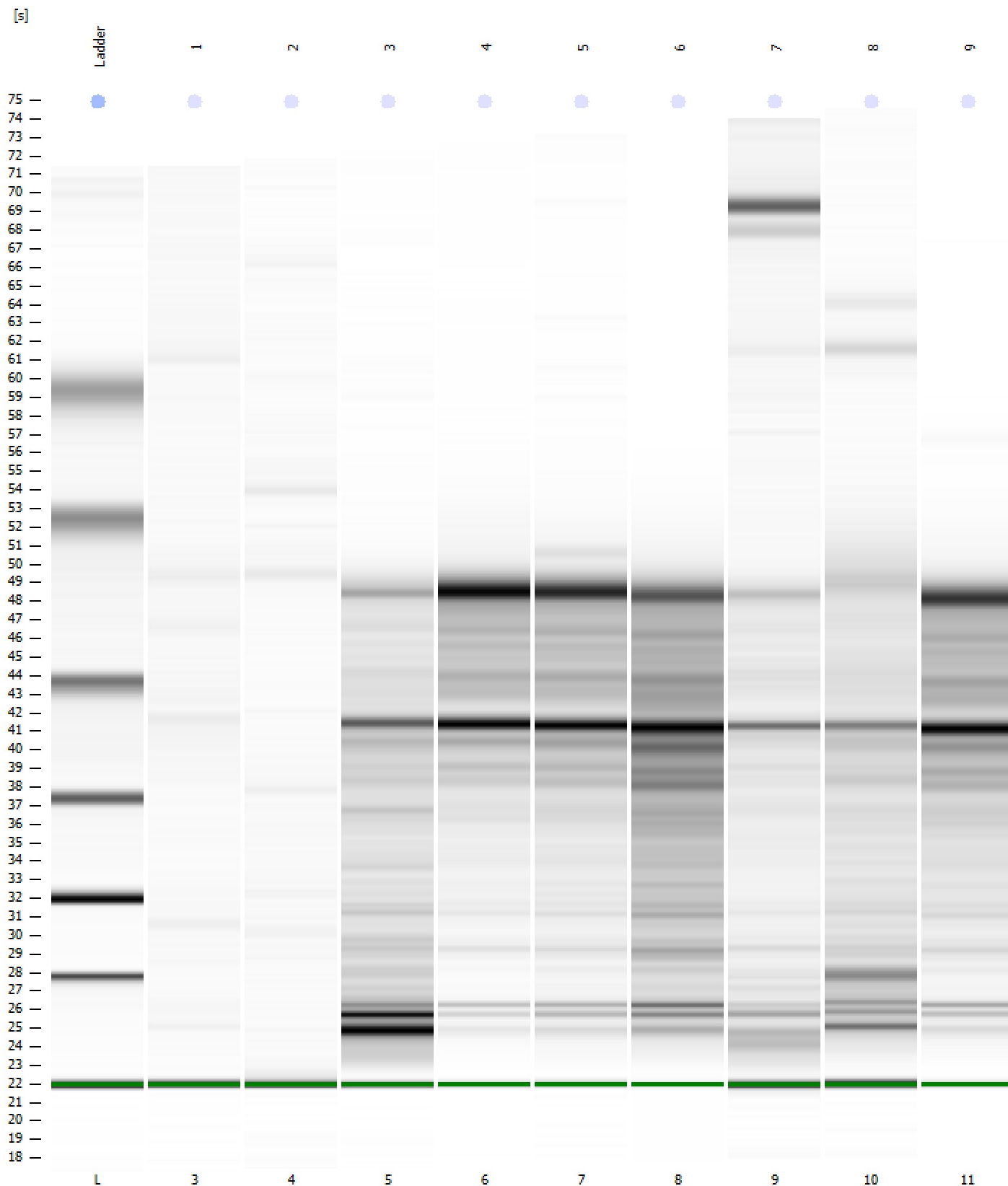
**Fragment table for sample 11 : 9**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.54	41.92	75.2	7.0
28S	46.66	50.02	100.6	9.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
Modified: 7/16/2020 3:16:41 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-16\QC0609\_1.xad

Created: 7/16/2020 2:42:54 PM  
 Modified: 7/16/2020 3:16:41 PM

### Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run Completed after UI crashed on port 1		Instrument	Run		7/16/2020 2:46:51 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_002.xad)		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/16/2020 2:20:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB