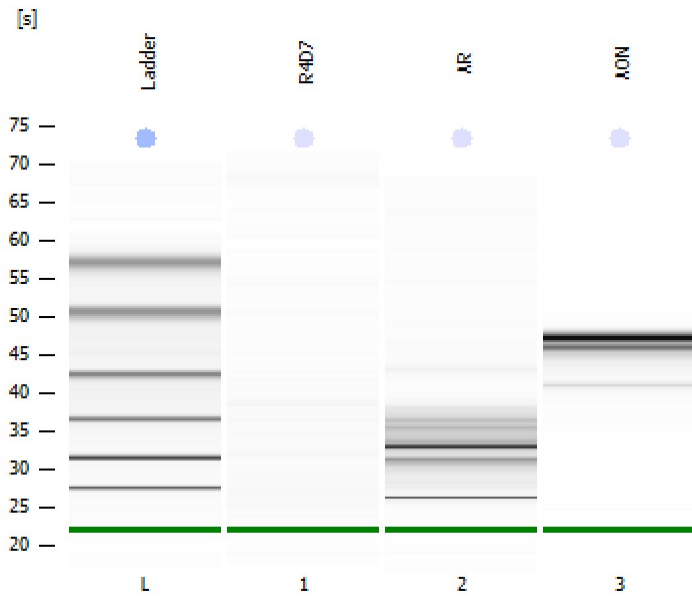


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
Modified: 7/8/2020 4:50:07 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)

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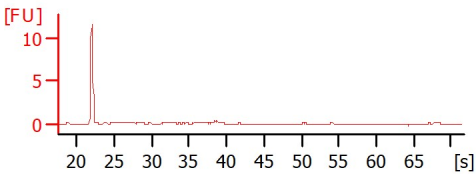
Chip Information:

Chip Lot #:

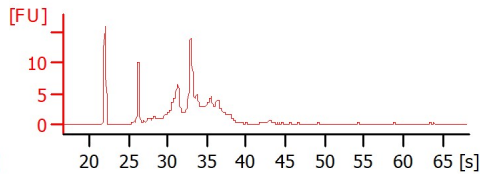
Reagent Kit Lot #:

Chip Comments:

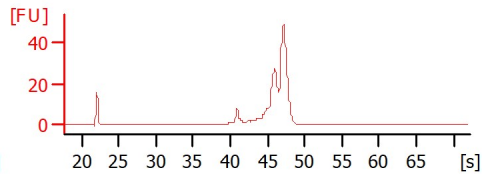
**QC0602 R4D7**  
RIN: 1



**QC0602 AR**  
RIN: 2.60



**QC0602 AON**  
RIN: 7.70



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
 Modified: 7/8/2020 4:50:07 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
R4D7	QC0602	✓	RIN:1	
AR	QC0602	✓	RIN: 2.60	
AON	QC0602	✓	RIN: 7.70	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
Modified: 7/8/2020 4:50:07 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

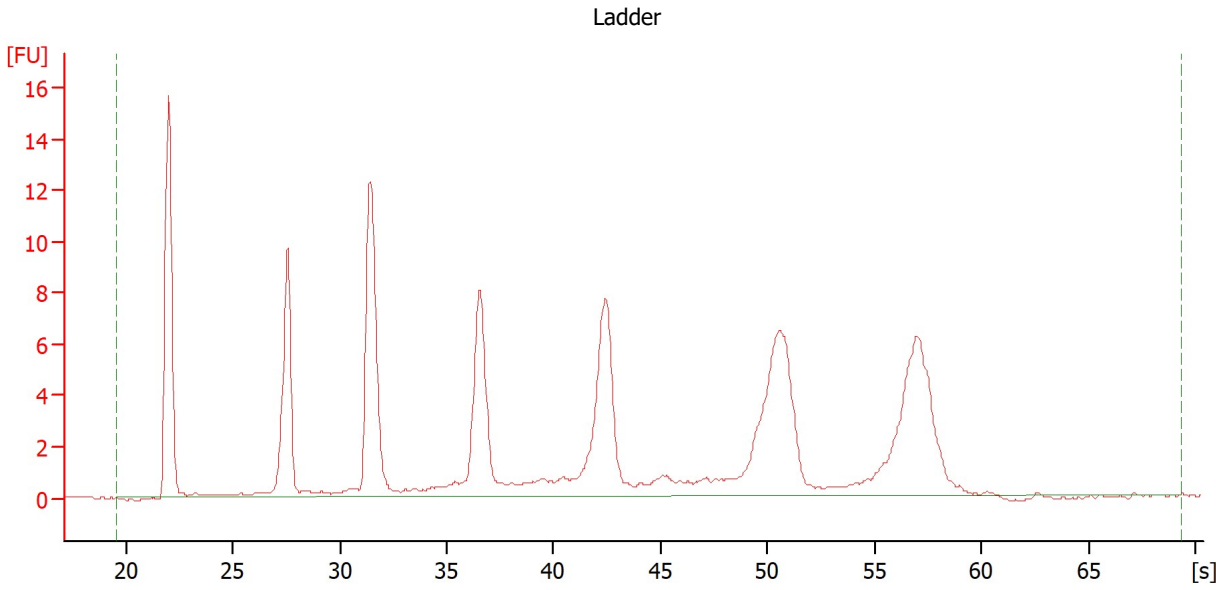
### Ladder

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\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
Modified: 7/8/2020 4:50:07 PM

**Electropherogram Summary**



**Overall Results for Ladder**

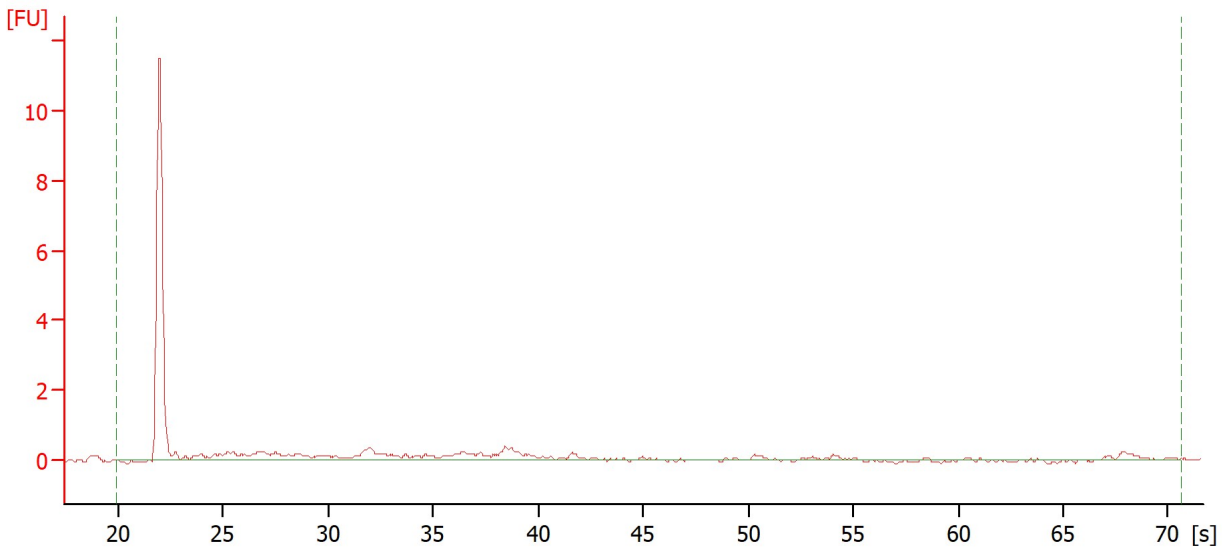
RNA Area:	133.0	Result Flagging Color:	<span style="background-color: #6699ff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
Modified: 7/8/2020 4:50:07 PM

**Electropherogram Summary Continued ...**

R4D7 [ QC0602 ]



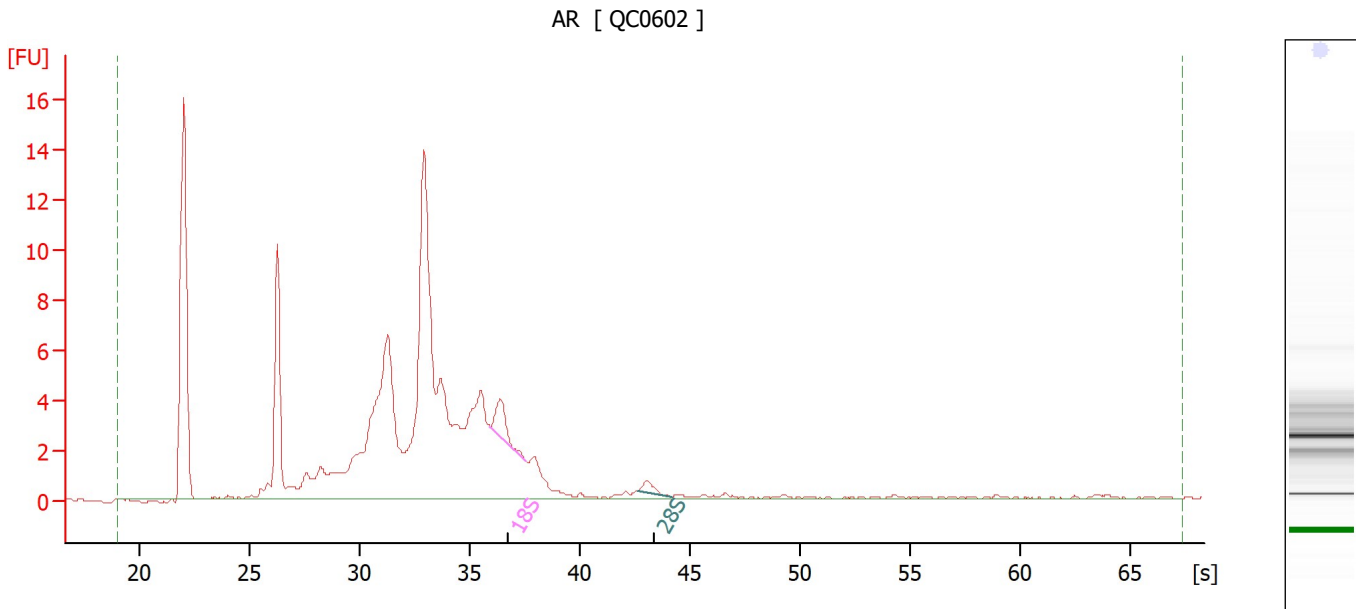
**Overall Results for sample 1 : R4D7**

RNA Area:	9.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	74 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:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
 Modified: 7/8/2020 4:50:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : AR**

RNA Area:	117.8	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	886 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]:	0.3	Result Flagging Label:	RIN: 2.60

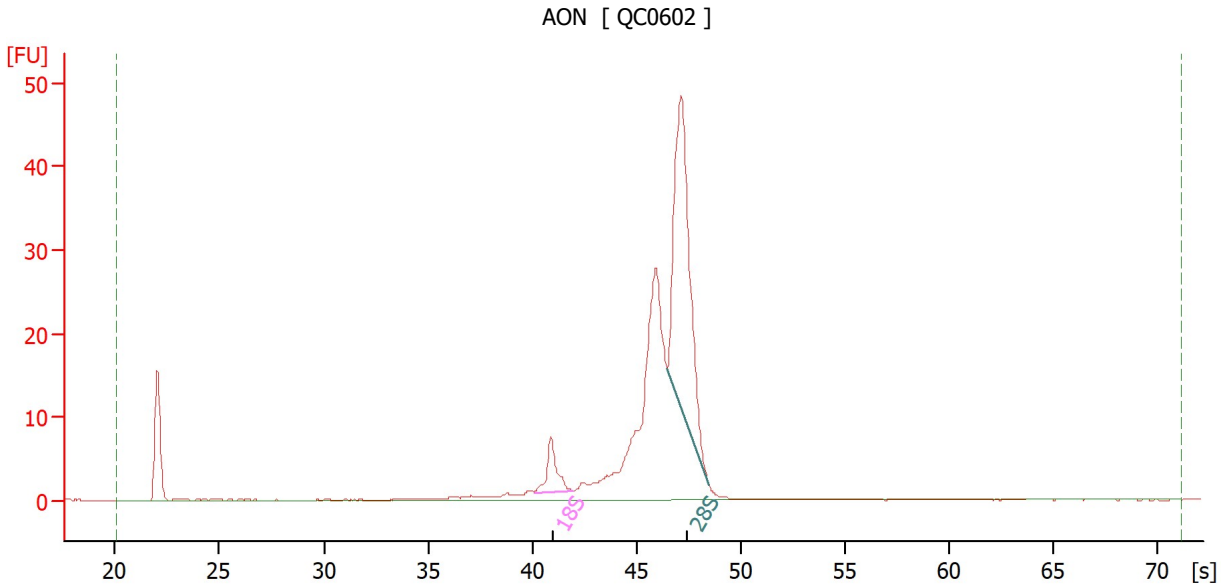
**Fragment table for sample 2 : AR**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	35.90	37.56	2.2	1.9
28S	42.59	44.15	0.6	0.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
Modified: 7/8/2020 4:50:07 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : AON**

RNA Area:	212.7	RNA Integrity Number (RIN):	7.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,600 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]:	7.8	Result Flagging Label:	RIN: 7.70

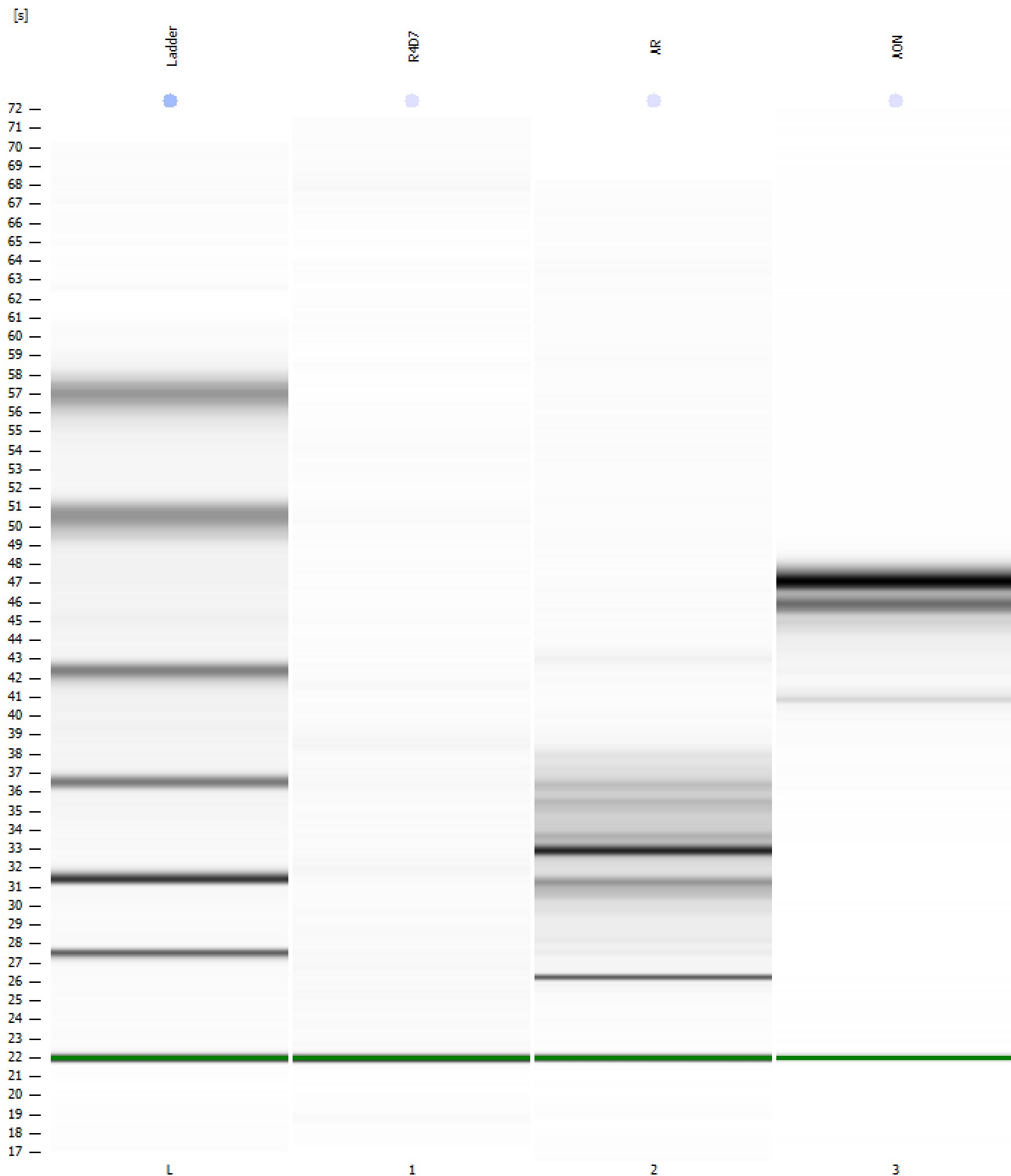
**Fragment table for sample 3 : AON**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.08	41.94	8.6	4.0
28S	46.47	48.48	67.2	31.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
Modified: 7/8/2020 4:50:07 PM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\XADs\2020-07-08\QC0602\_2.xad

Created: 7/8/2020 4:08:50 PM  
 Modified: 7/8/2020 4:50:07 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		7/8/2020 4:30:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-08\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-07-08_002.xad)		Instrument	Run		7/8/2020 4:08:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/8/2020 4:08:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/8/2020 4:08:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/8/2020 4:08:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/8/2020 4:08:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/8/2020 4:08:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/8/2020 4:08:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB