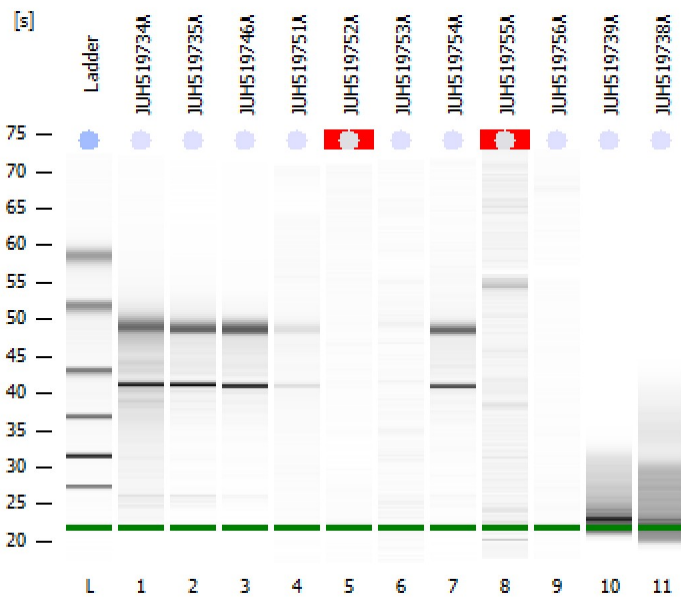


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
Modified: 7/20/2020 1:49:44 PM

Electrophoresis File Run Summary



Instrument Information:

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

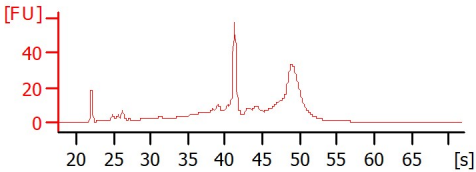
Assay Information:

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.

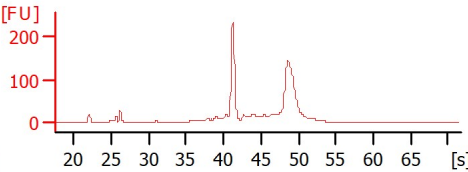
Chip Information:

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

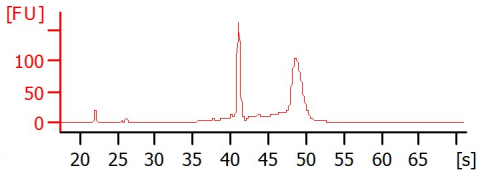
**JUH519734A**  
QC0612  
RIN: 7.80



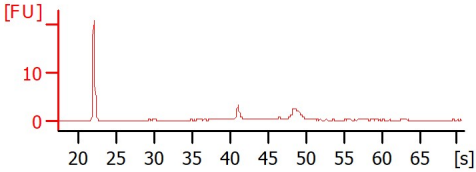
**JUH519735A**  
QC0612  
RIN: 8.80



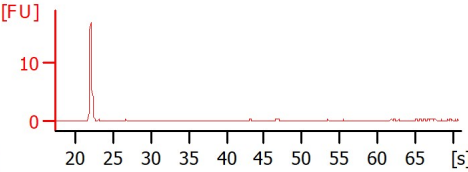
**JUH519746A**  
QC0612  
RIN: 9.10



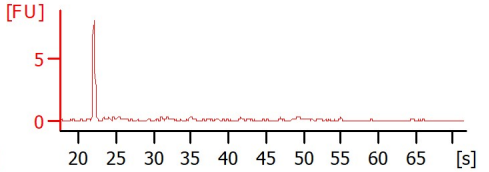
**JUH519751A**  
QC0612  
RIN: 8



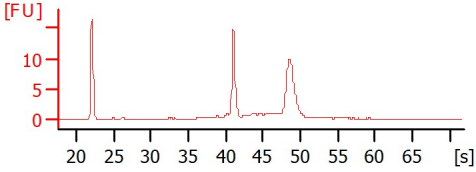
**JUH519752A**  
QC0612  
RIN N/A



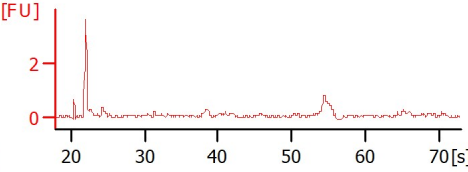
**JUH519753A**  
QC0612  
RIN: 1



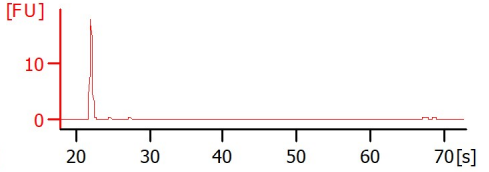
**JUH519754A**  
QC0612  
RIN: 9.60



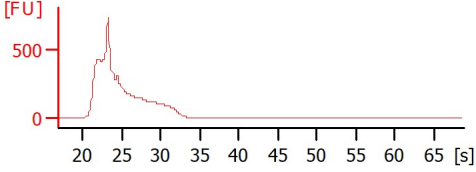
**JUH519755A**  
QC0612  
RIN N/A



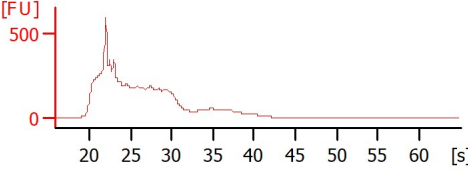
**JUH519756A**  
QC0612  
RIN: 1



**JUH519739A**  
QC0612  
RIN: 2.30



**JUH519738A**  
QC0612  
RIN: 2.40



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
JUH519734A	QC0612	✓	RIN: 7.80	
JUH519735A	QC0612	✓	RIN: 8.80	
JUH519746A	QC0612	✓	RIN: 9.10	
JUH519751A	QC0612	✓	RIN:8	
JUH519752A	QC0612	✓	RIN N/A	
JUH519753A	QC0612	✓	RIN:1	
JUH519754A	QC0612	✓	RIN: 9.60	
JUH519755A	QC0612	✓	RIN N/A	
JUH519756A	QC0612	✓	RIN:1	
JUH519739A	QC0612	✓	RIN: 2.30	
JUH519738A	QC0612	✓	RIN: 2.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 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

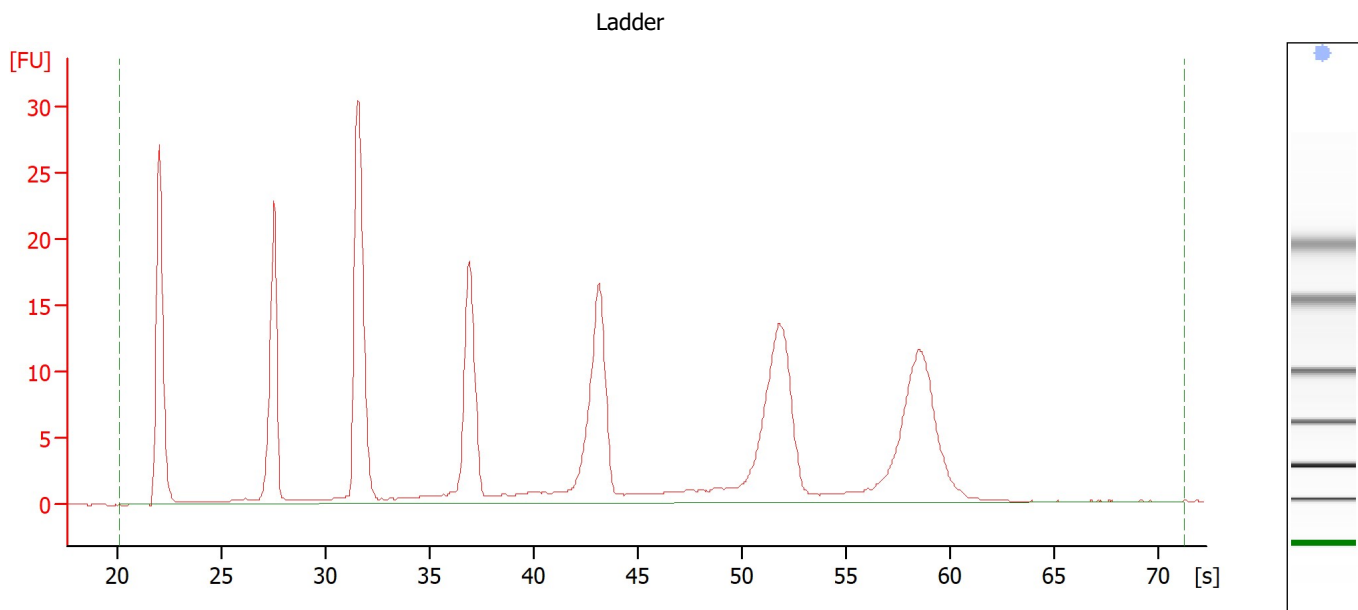
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary**



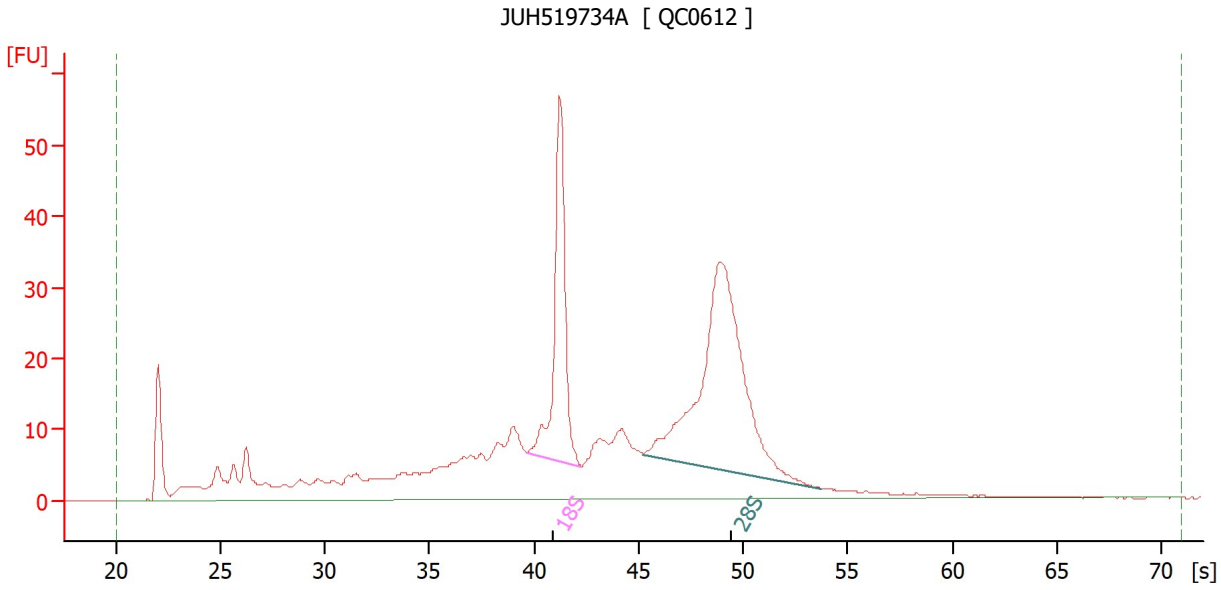
**Overall Results for Ladder**

RNA Area:	257.9	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/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : JUH519734A**

RNA Area:	575.7	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	2,232 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: 7.80

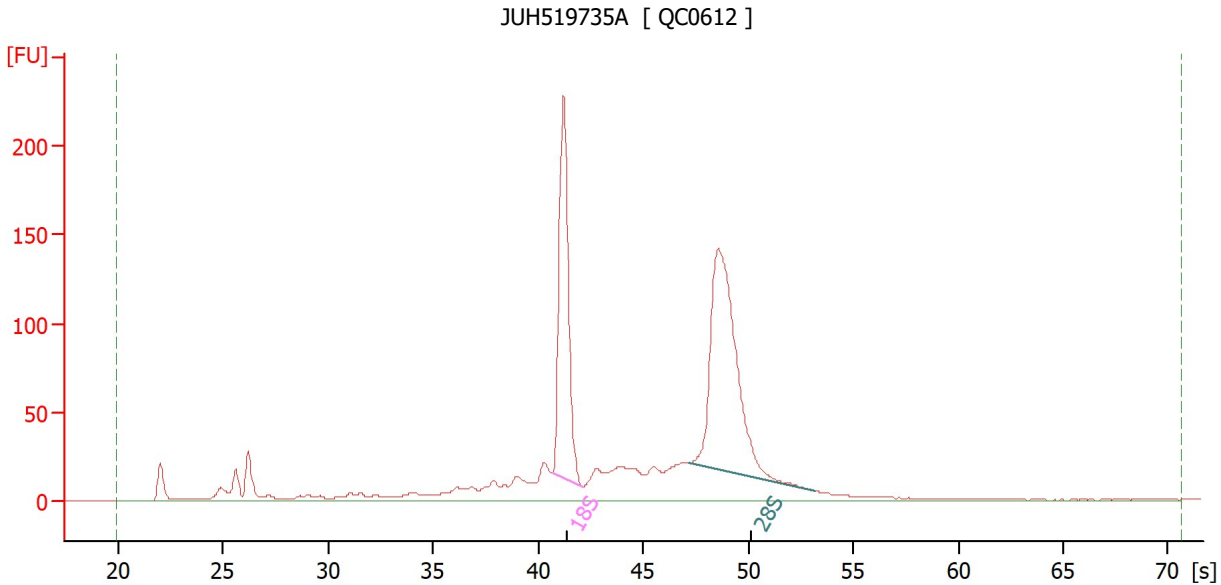
**Fragment table for sample 1 : JUH519734A**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.68	42.25	70.7	12.3
28S	45.23	53.77	139.5	24.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JUH519735A**

RNA Area:	1,340.9	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	5,199 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: 8.80

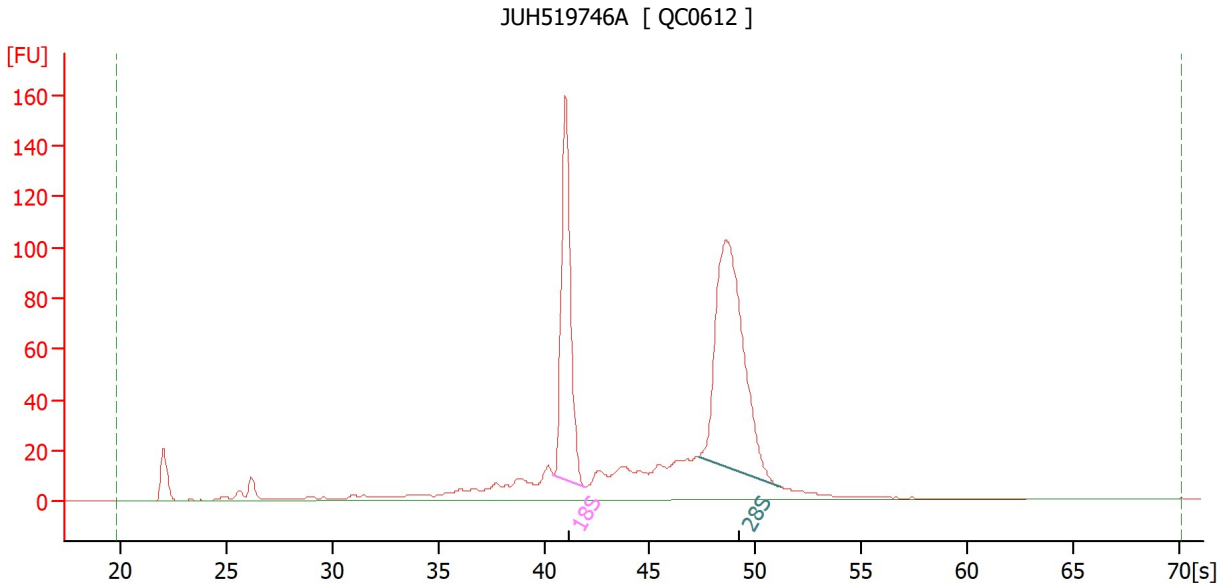
**Fragment table for sample 2 : JUH519735A**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.67	42.11	262.1	19.5
28S	47.22	53.21	367.0	27.4

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JUH519746A**

RNA Area:	874.2	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	3,389 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: 9.10

**Fragment table for sample 3 : JUH519746A**

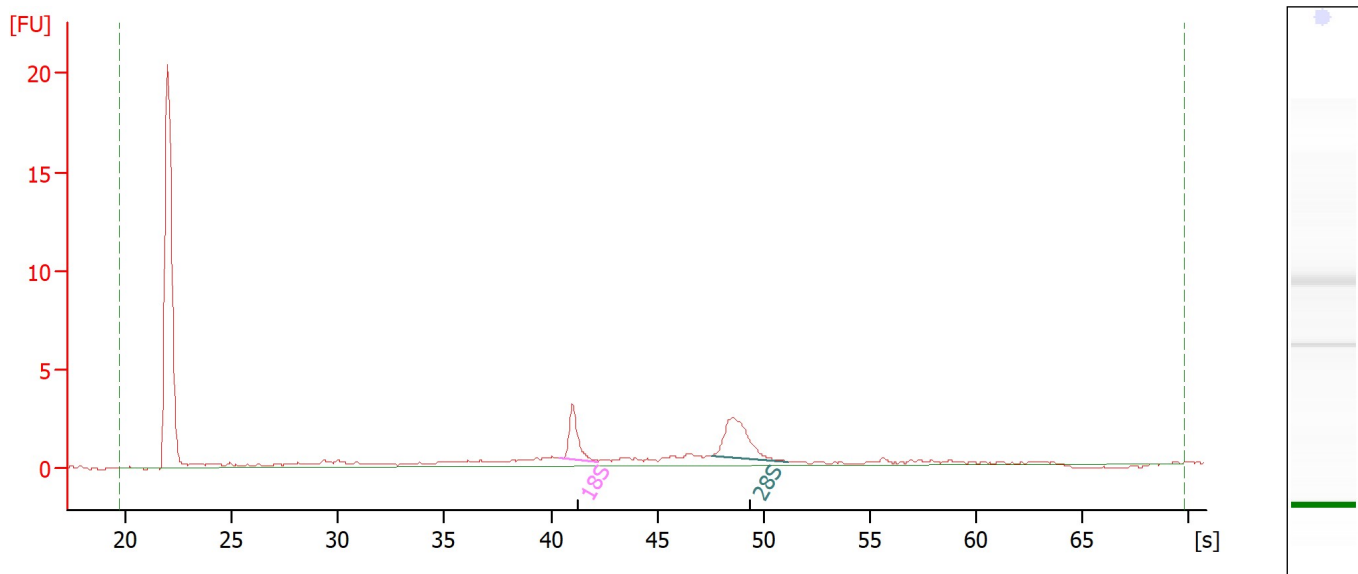
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.44	41.92	184.5	21.1
28S	47.30	51.16	282.1	32.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**

JUH519751A [ QC0612 ]



**Overall Results for sample 4 : JUH519751A**

RNA Area:	30.8	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	119 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:8

**Fragment table for sample 4 : JUH519751A**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.46	42.23	3.2	10.4
28S	47.54	51.13	5.6	18.1

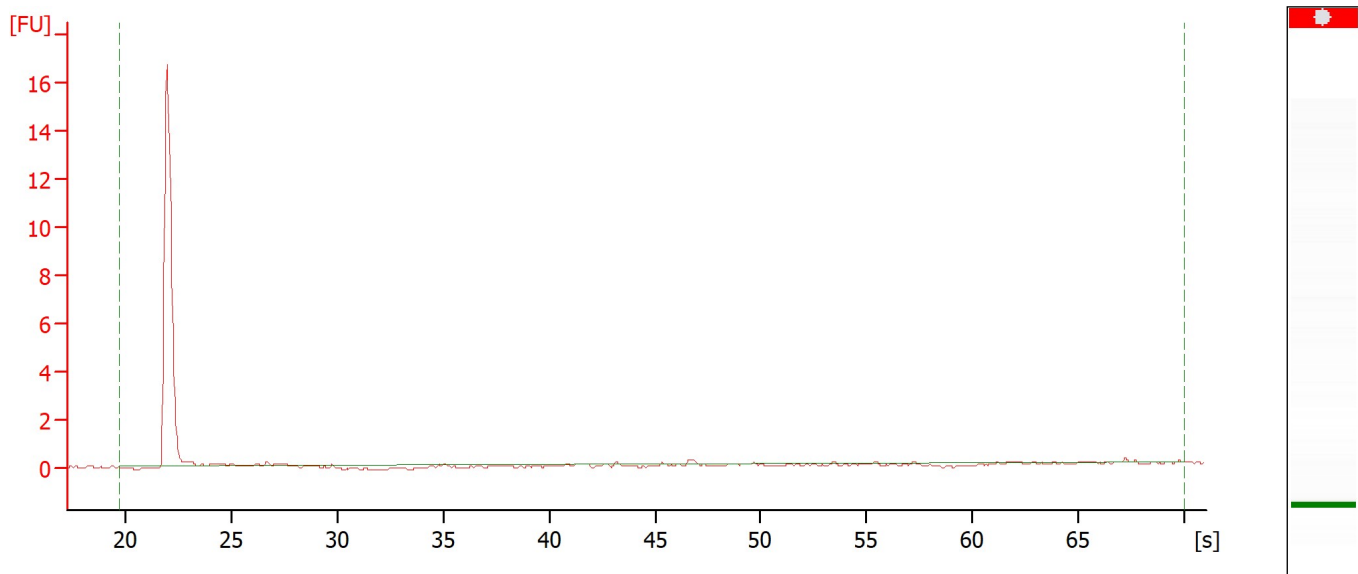


Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**

JUH519752A [ QC0612 ]



**Overall Results for sample 5 : JUH519752A**

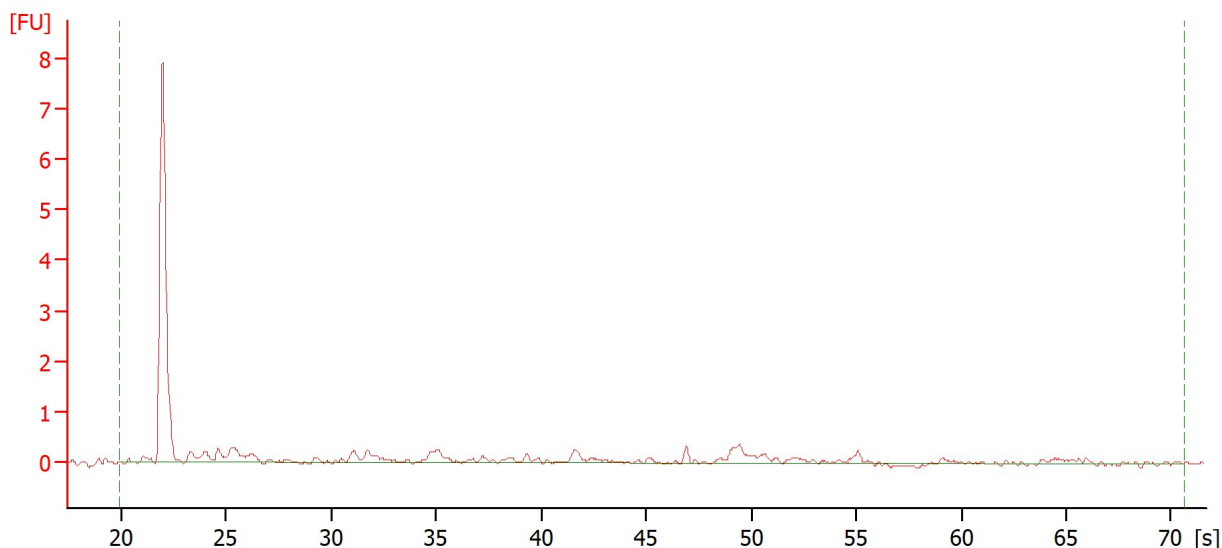
RNA Area:	2.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**

JUH519753A [ QC0612 ]



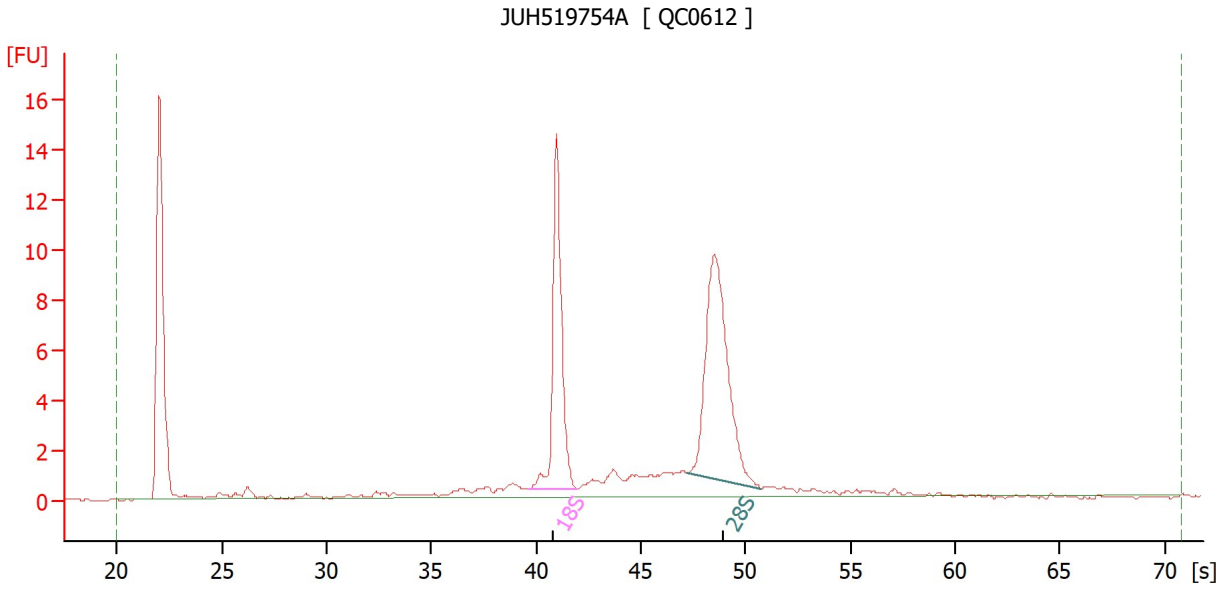
**Overall Results for sample 6 : JUH519753A**

RNA Area:	8.0	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	31 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:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : JUH519754A**

RNA Area:	66.3	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	257 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: 9.60

**Fragment table for sample 7 : JUH519754A**

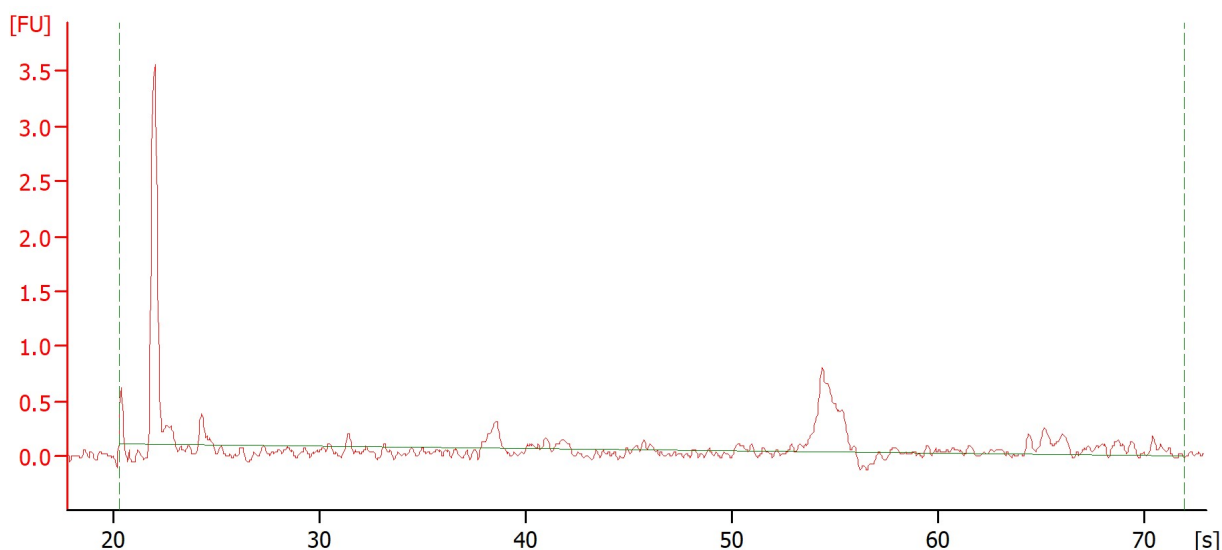
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.69	41.95	16.4	24.8
28S	47.23	50.77	22.5	33.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**

JUH519755A [ QC0612 ]



**Overall Results for sample 8 : JUH519755A**

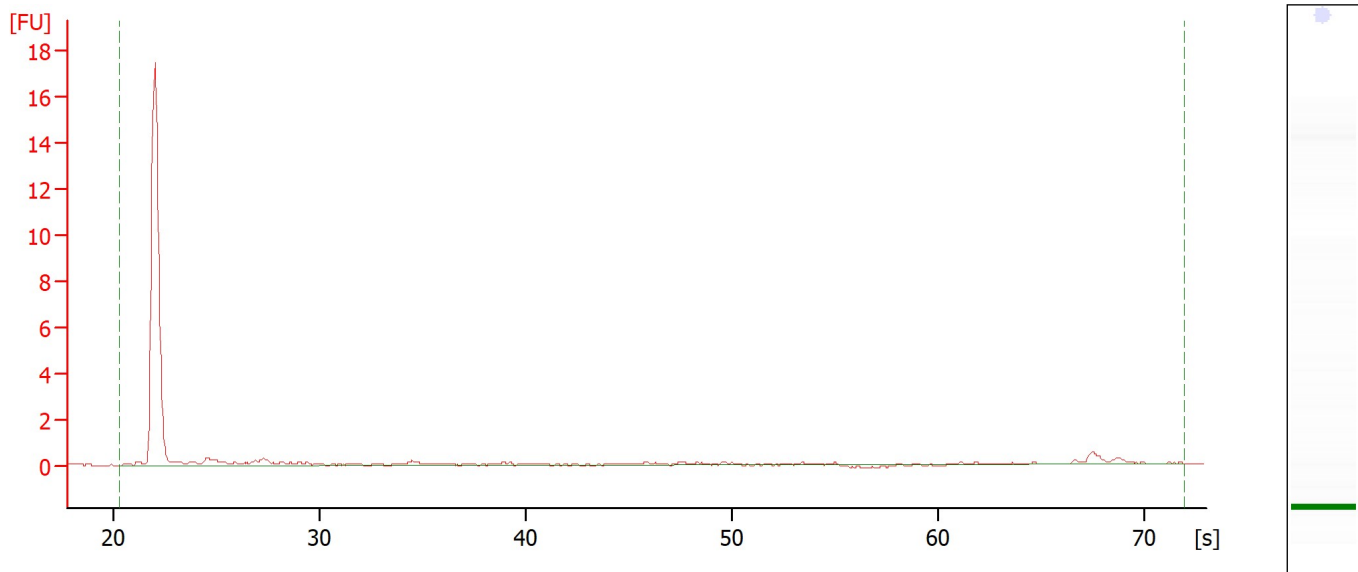
RNA Area:	4.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	17 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**

JUH519756A [ QC0612 ]



**Overall Results for sample 9 : JUH519756A**

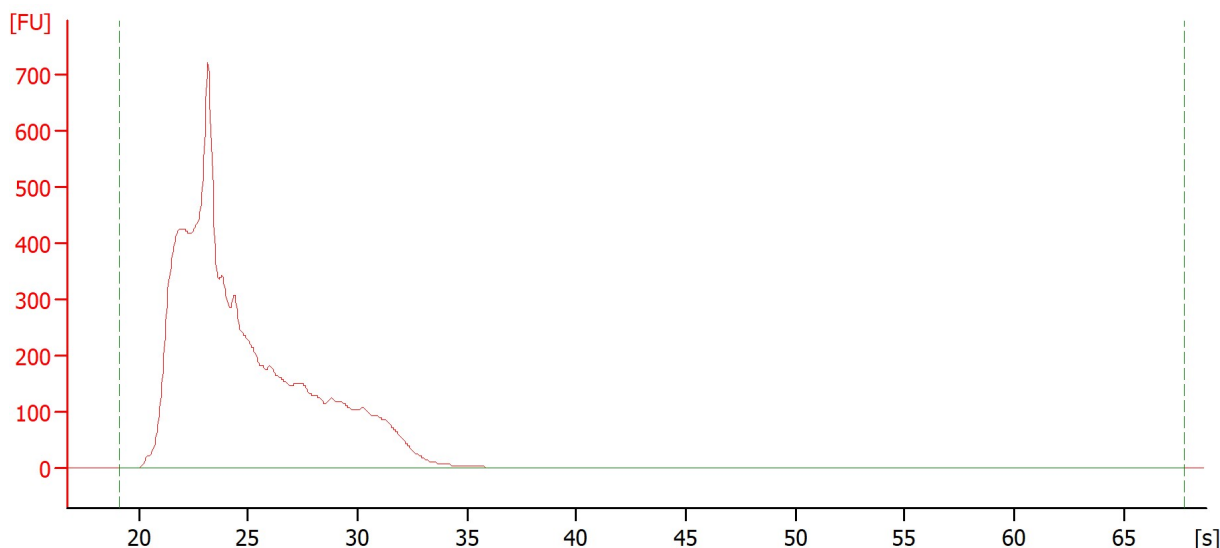
RNA Area:	6.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	24 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**

JUH519739A [ QC0612 ]



**Overall Results for sample 10 : JUH519739A**

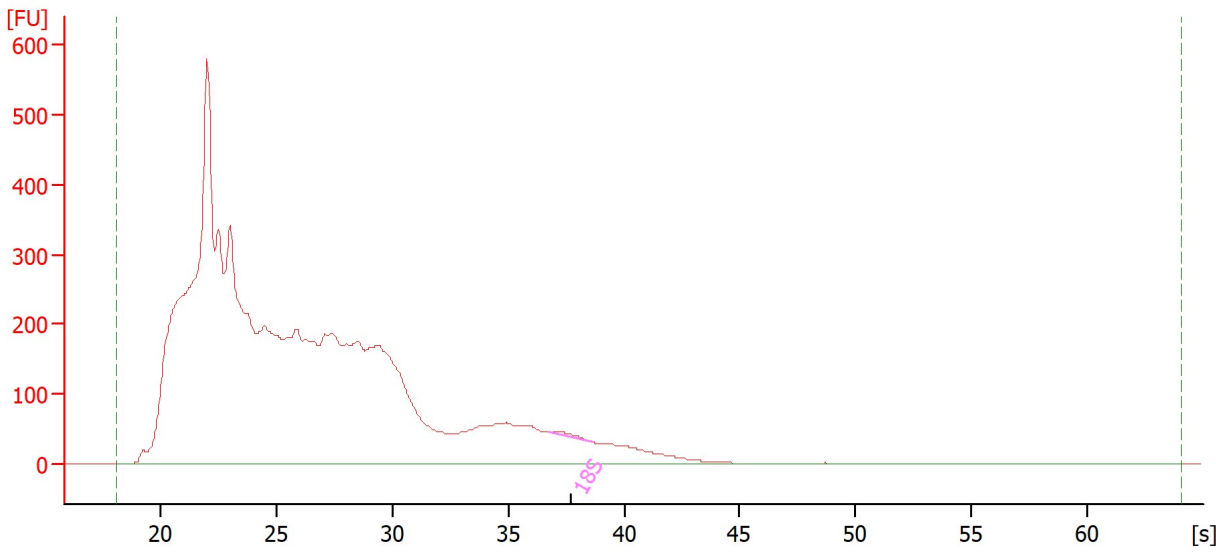
RNA Area:	7,819.8	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	30,316 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 PM

**Electropherogram Summary Continued ...**

JUH519738A [ QC0612 ]



**Overall Results for sample 11 : JUH519738A**

RNA Area:	6,995.1	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	27,119 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: 2.40

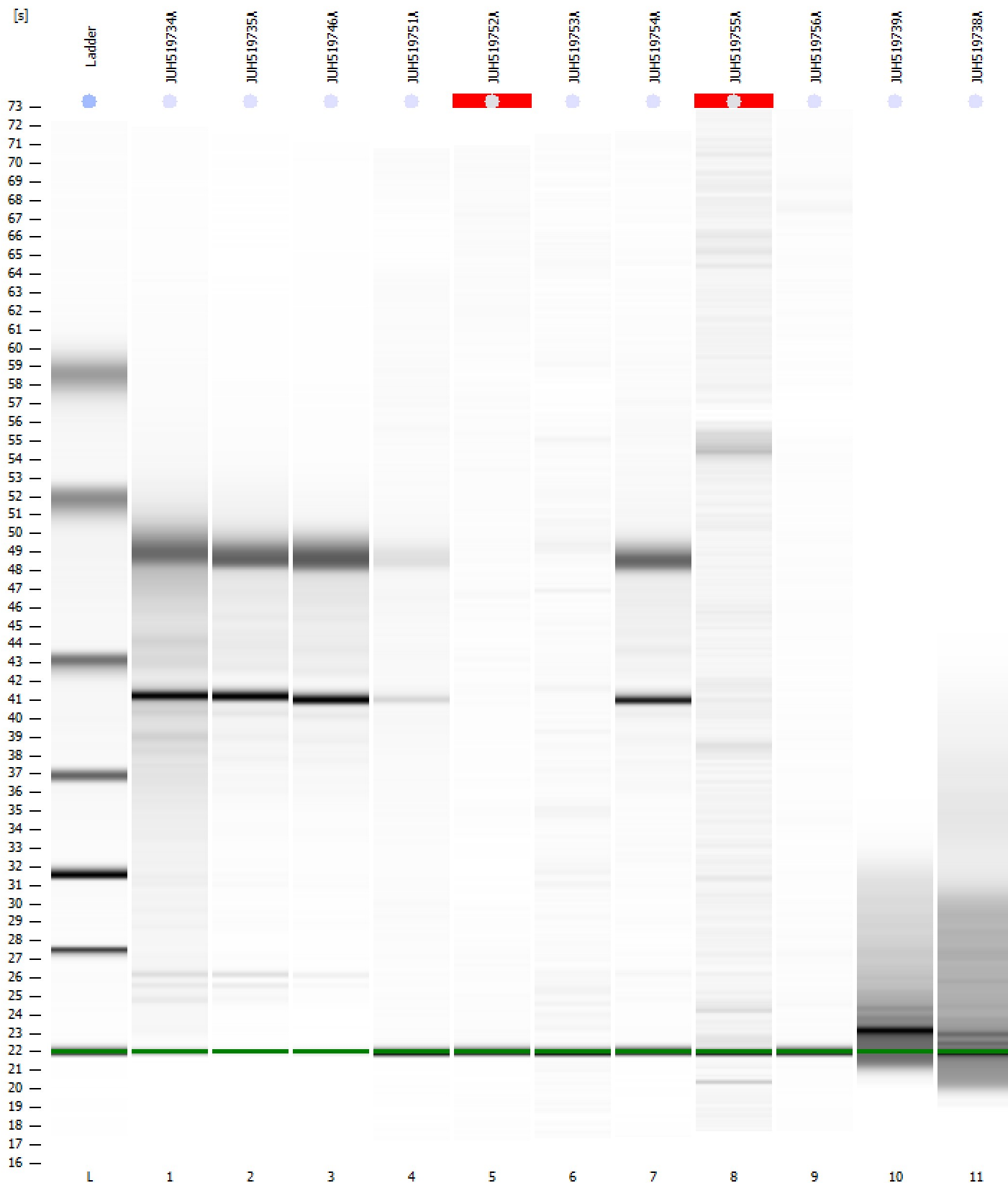
**Fragment table for sample 11 : JUH519738A**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	36.71	38.62	13.5	0.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad

Created: 7/20/2020 1:24:47 PM  
Modified: 7/20/2020 1:49:44 PM

Gel Image





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...20\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-07-20\_001.xad  
 Created: 7/20/2020 1:24:47 PM  
 Modified: 7/20/2020 1:49:44 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		7/20/2020 1:47:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-20\Bioanalyze r1_Eukaryote Total RNA Pico_2020-07-20_001.xad)		Instrument	Run		7/20/2020 1:24:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/20/2020 1:24:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/20/2020 1:24:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/20/2020 1:24:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/20/2020 1:24:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/20/2020 1:24:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/20/2020 1:24:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB