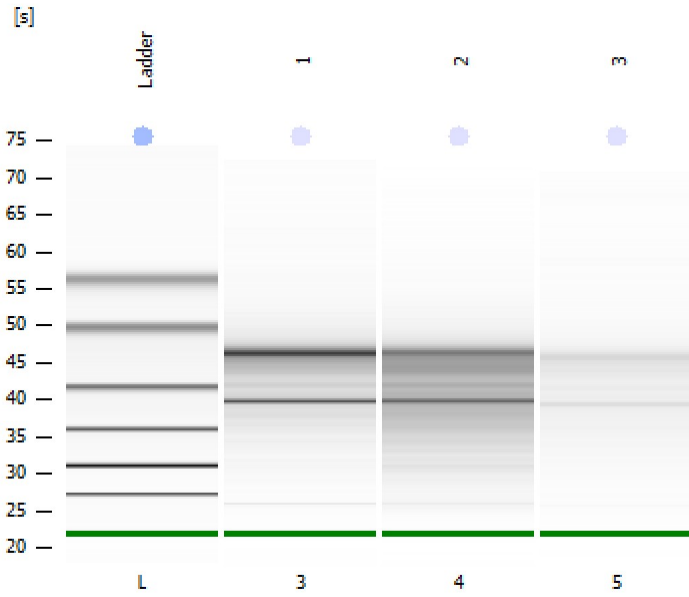


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:03 PM

Electrophoresis File Run Summary



Instrument Information:

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

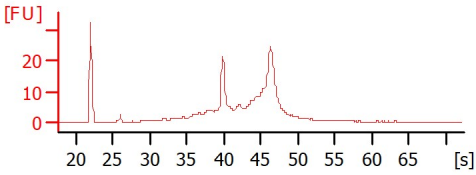
Assay Information:

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.

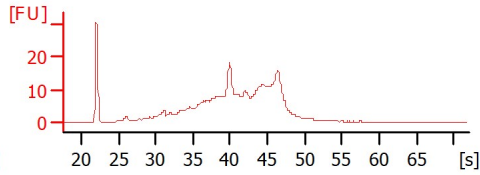
Chip Information:

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

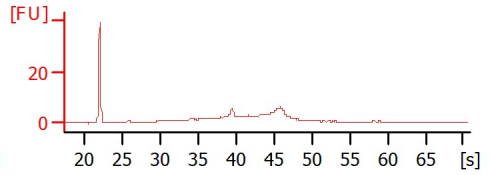
1
QC0597
RIN: 8.50



2
QC0597
RIN: 4.60



3
QC0597
RIN: 6.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	QC0597	✓	RIN: 8.50	
2	QC0597	✓	RIN: 4.60	
3	QC0597	✓	RIN: 6.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:03 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ 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

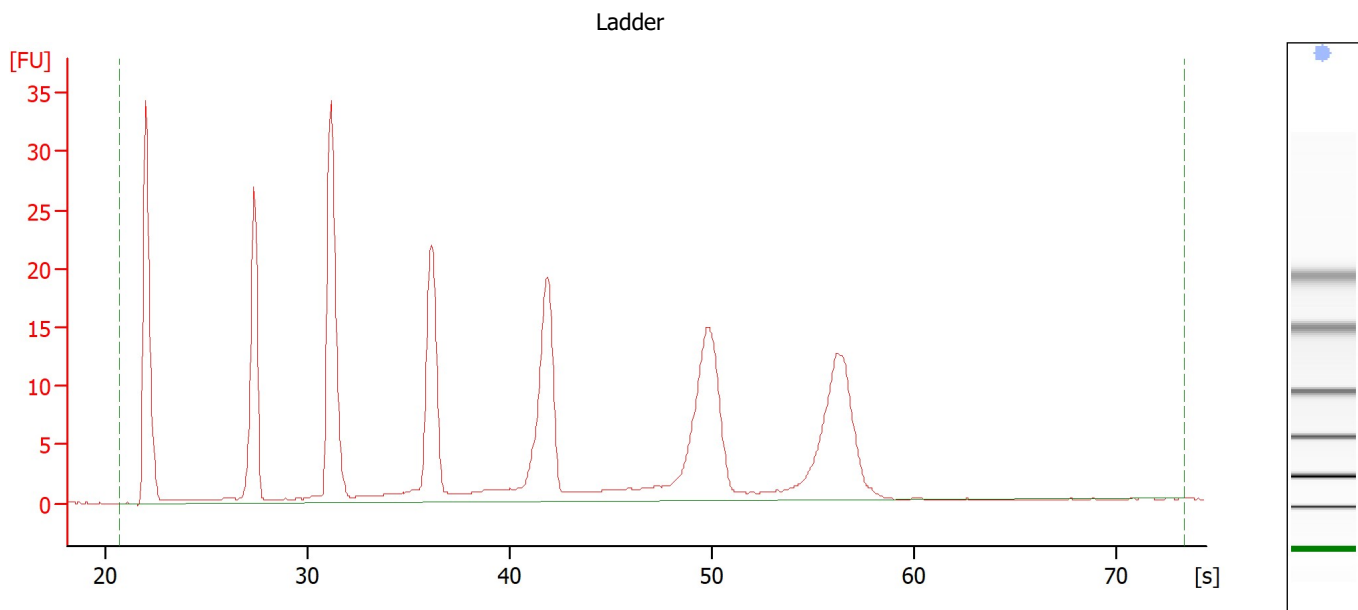
Ladder

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\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:03 PM

Electropherogram Summary



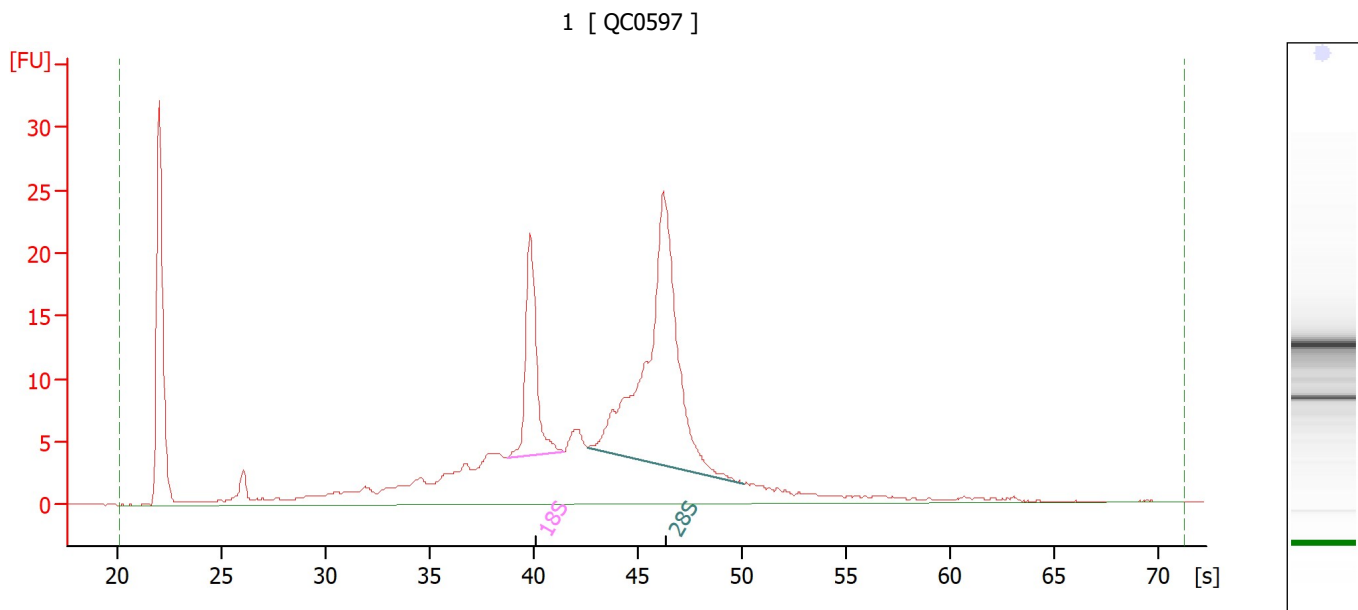
Overall Results for Ladder

RNA Area:	284.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 1

RNA Area:	275.1	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	966 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.1	Result Flagging Label:	RIN: 8.50

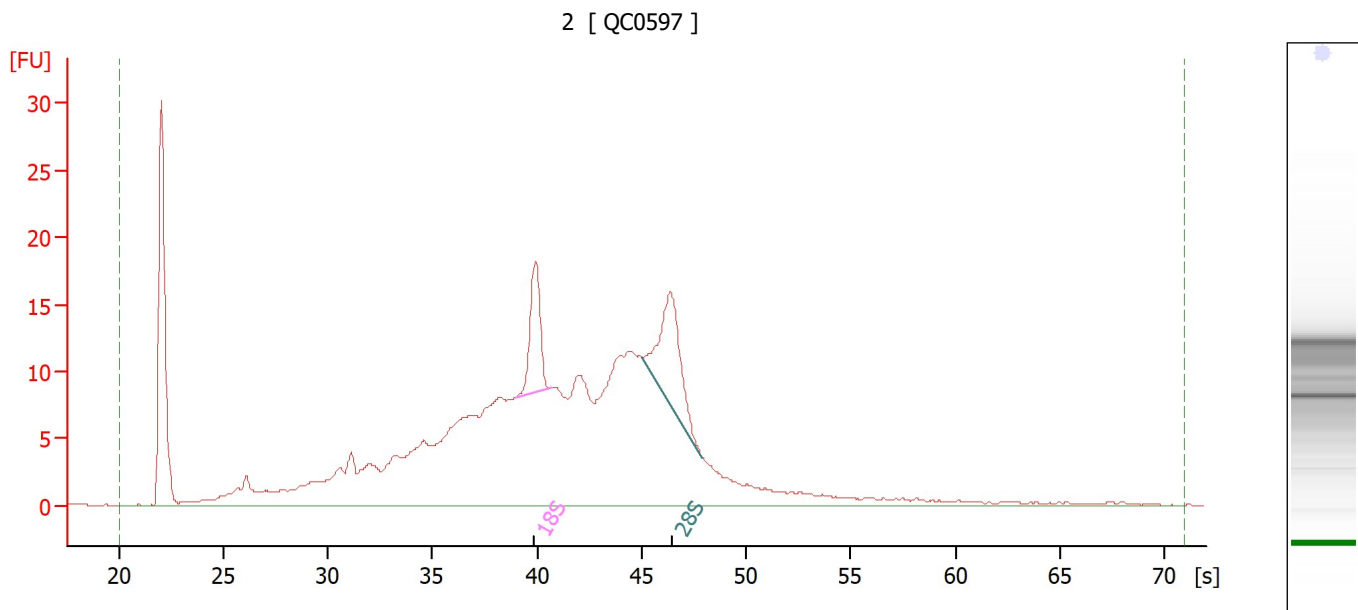
Fragment table for sample 3 : 1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.73	41.47	26.3	9.6
28S	42.61	50.09	80.5	29.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2

RNA Area:	388.4	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	1,364 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 4.60

Fragment table for sample 4 : 2

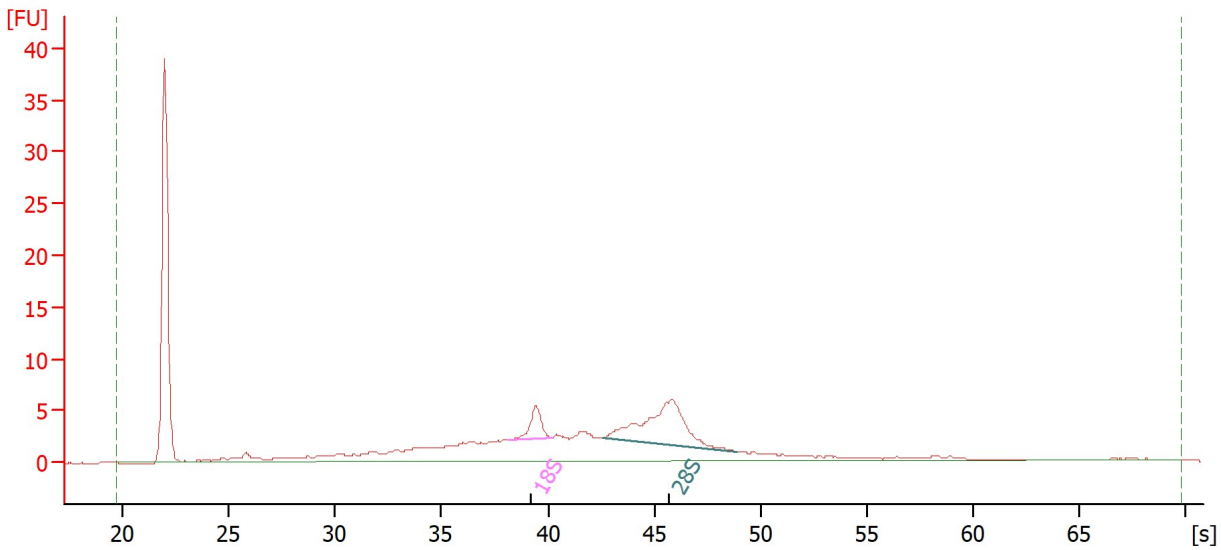
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.01	40.71	13.8	3.6
28S	45.03	47.91	20.0	5.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:03 PM

Electropherogram Summary Continued ...

3 [QC0597]



Overall Results for sample 5 : 3

RNA Area:	123.1	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	432 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.1	Result Flagging Label:	RIN: 6.90

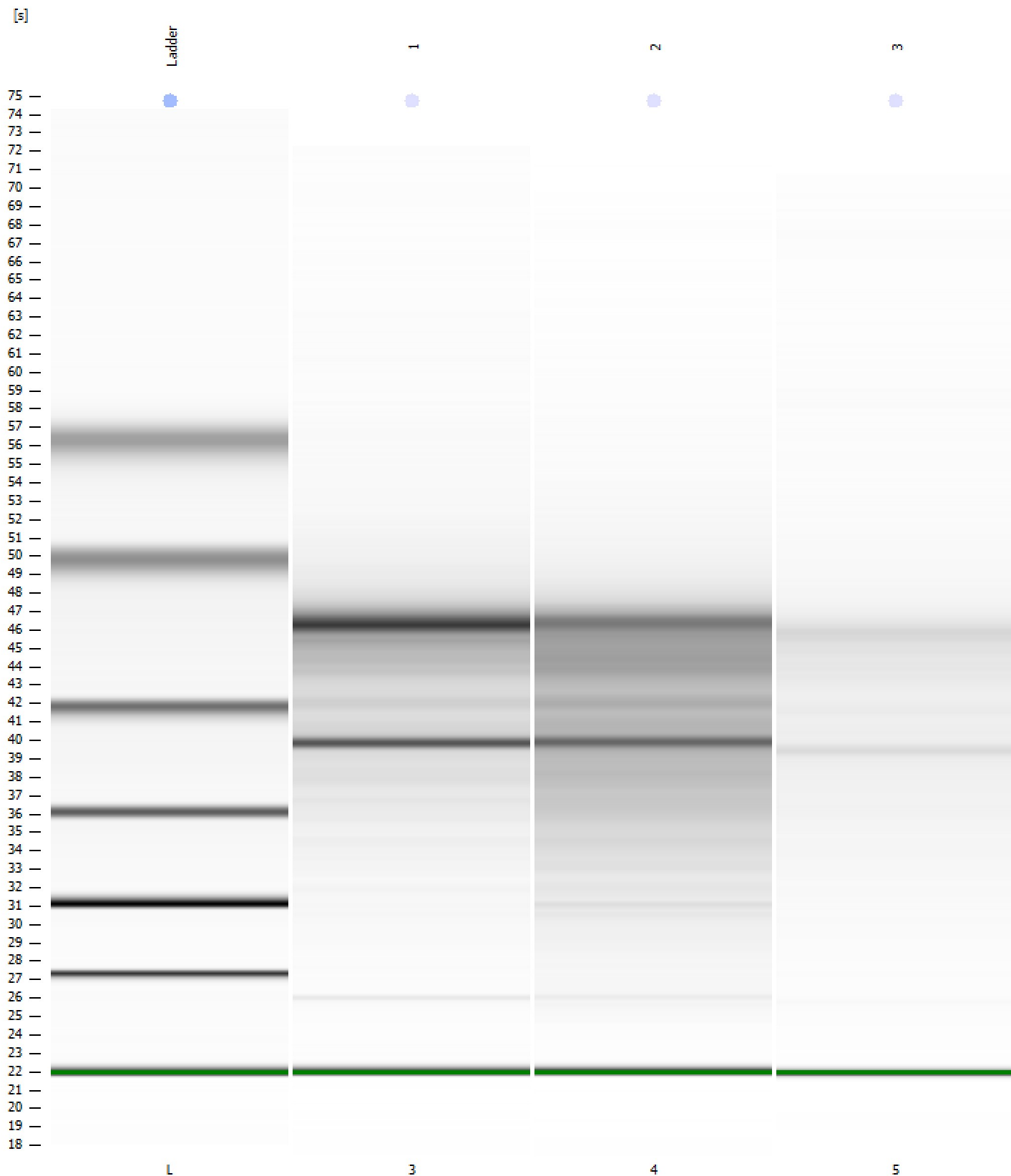
Fragment table for sample 5 : 3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.18	40.21	5.1	4.1
28S	42.58	48.86	21.1	17.1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:03 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\QC0597_RNAQC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:03 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		7/9/2020 1:47:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-09\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-07-09_001.xad)		Instrument	Run		7/9/2020 1:24:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/9/2020 1:24:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/9/2020 1:24:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/9/2020 1:24:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/9/2020 1:24:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/9/2020 1:24:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/9/2020 1:24:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB