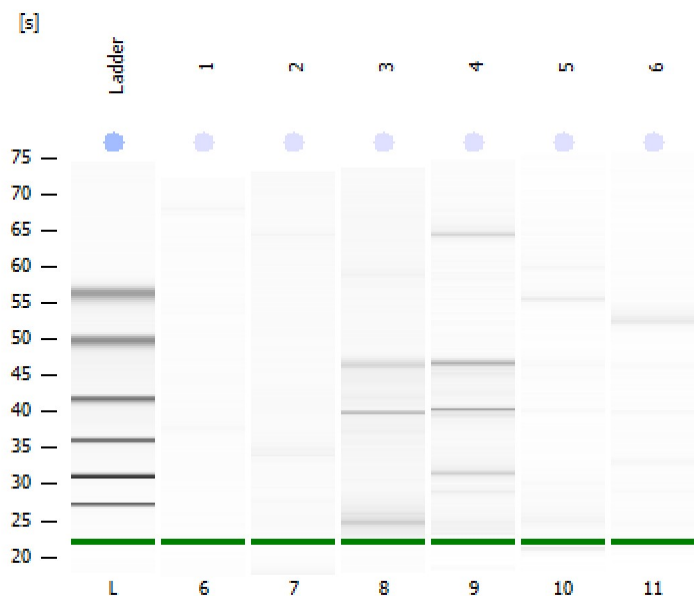


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:31 PM

Electrophoresis File Run Summary



Instrument Information:

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

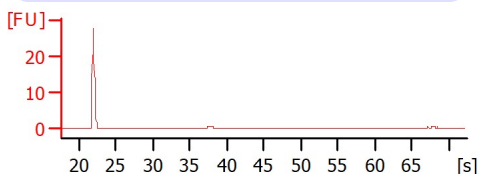
Assay Information:

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.

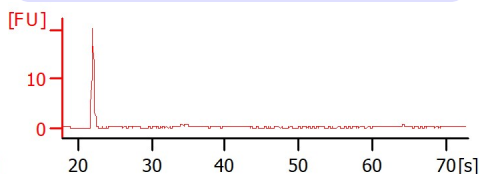
Chip Information:

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

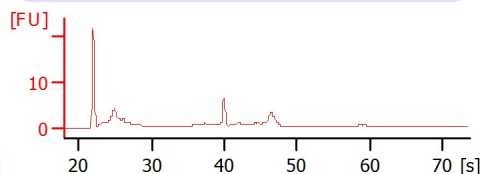
TAG0011
 RIN: 4.90



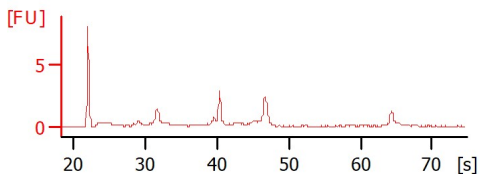
TAG0011
 RIN: 1



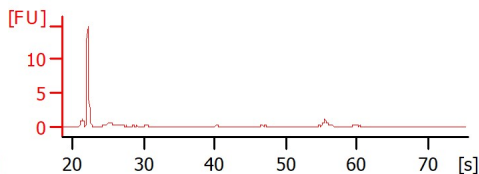
TAG0011
 RIN: 7.30



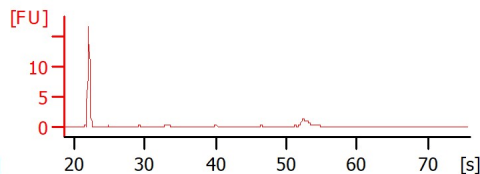
TAG0011
 RIN: 7.40



TAG0011
 RIN: 1



TAG0011
 RIN: 1



Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:31 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	TAG0011	✓	RIN: 4.90	
2	TAG0011	✓	RIN:1	
3	TAG0011	✓	RIN: 7.30	
4	TAG0011	✓	RIN: 7.40	
5	TAG0011	✓	RIN:1	
6	TAG0011	✓	RIN:1	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:31 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

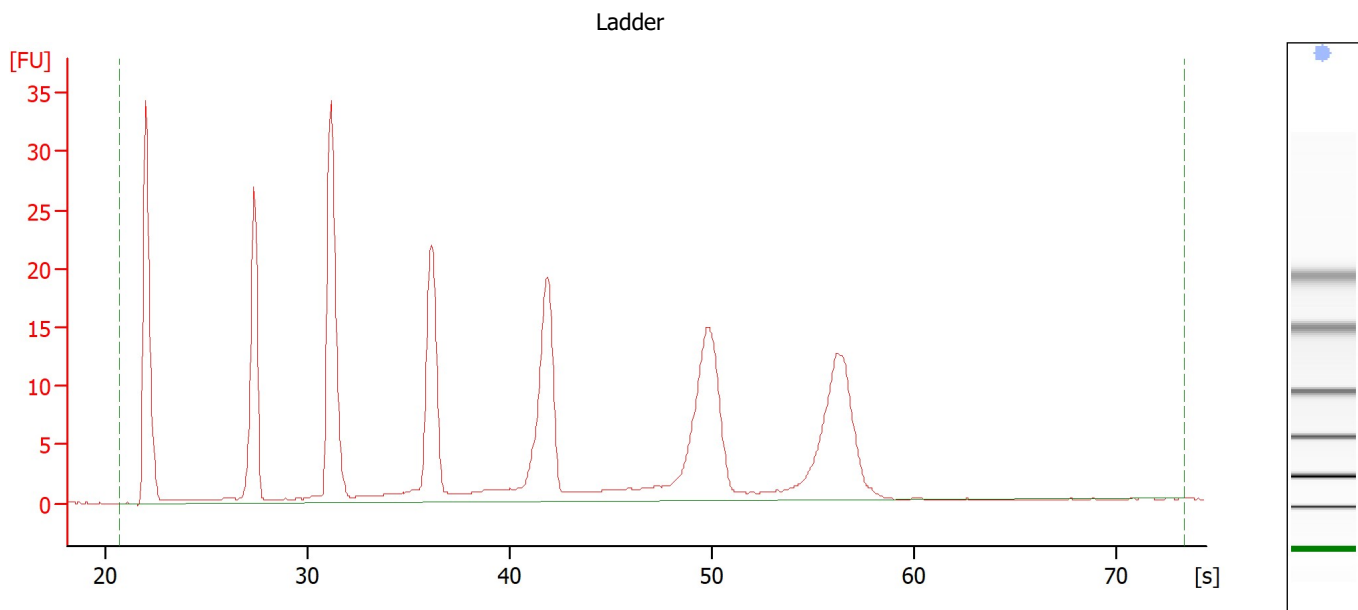
Ladder

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\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:31 PM

Electropherogram Summary



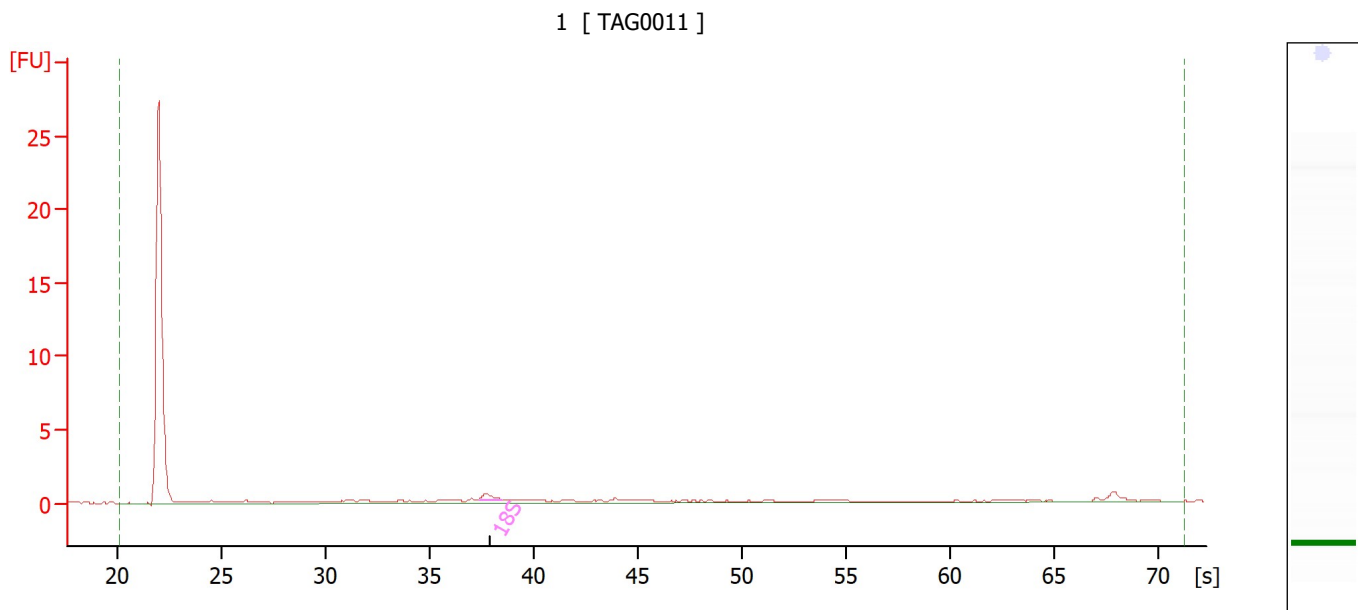
Overall Results for Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 1

RNA Area:	15.3	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	54 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.90

Fragment table for sample 6 : 1

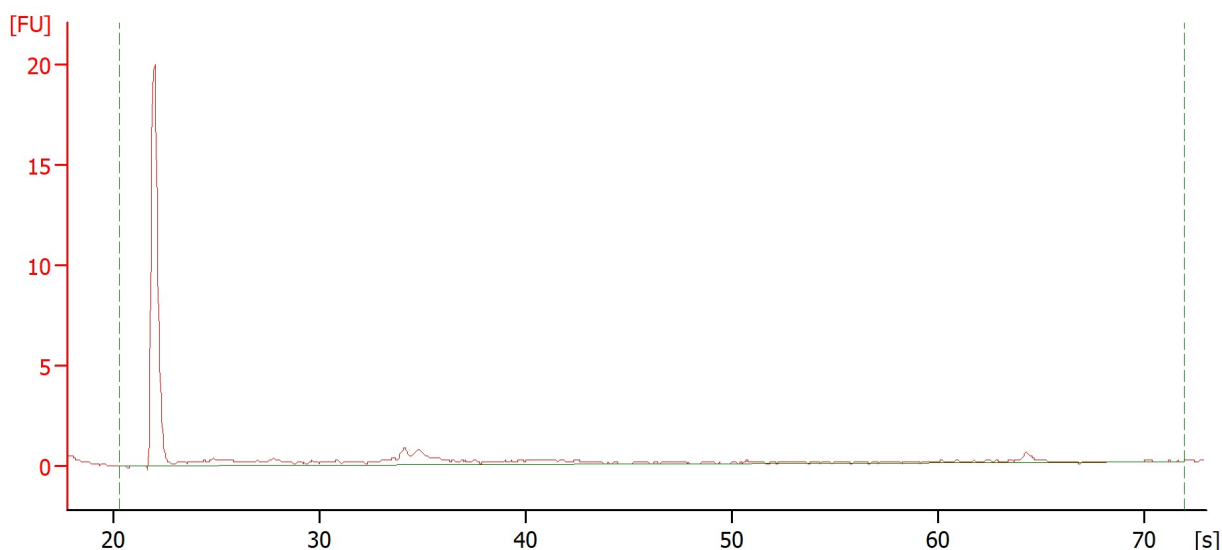
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	37.39	38.53	0.6	3.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:31 PM

Electropherogram Summary Continued ...

2 [TAG0011]



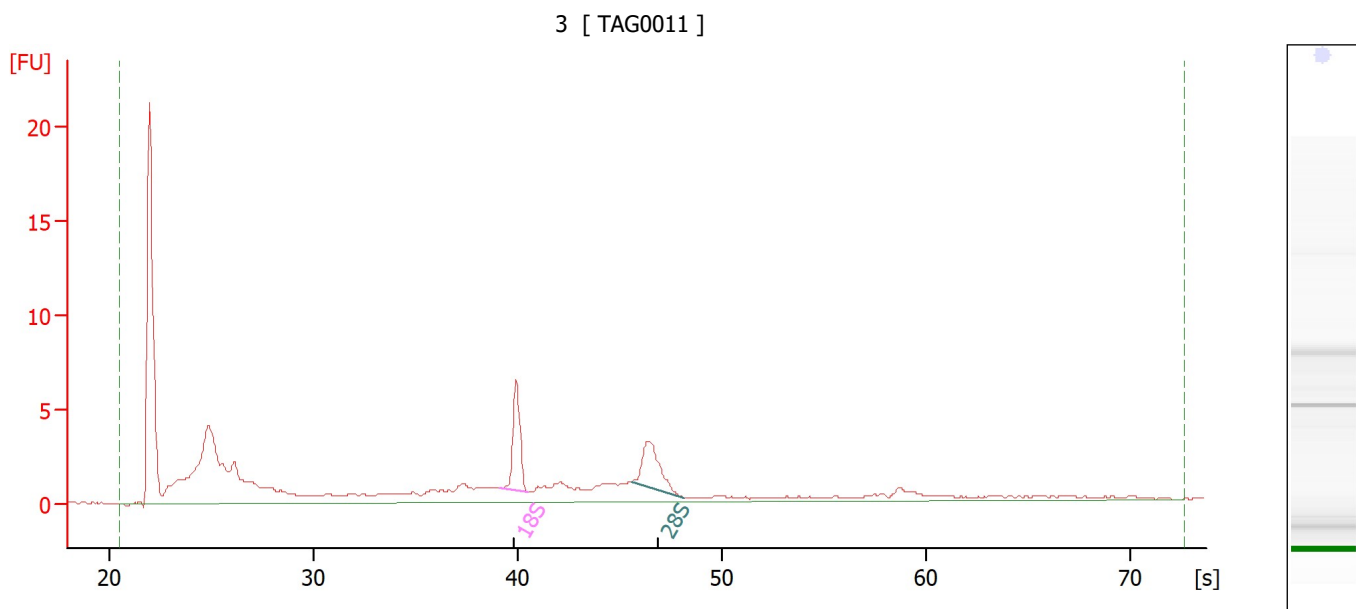
Overall Results for sample 7 : 2

RNA Area:	17.0	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	60 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 3

RNA Area:	87.5	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	307 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.30

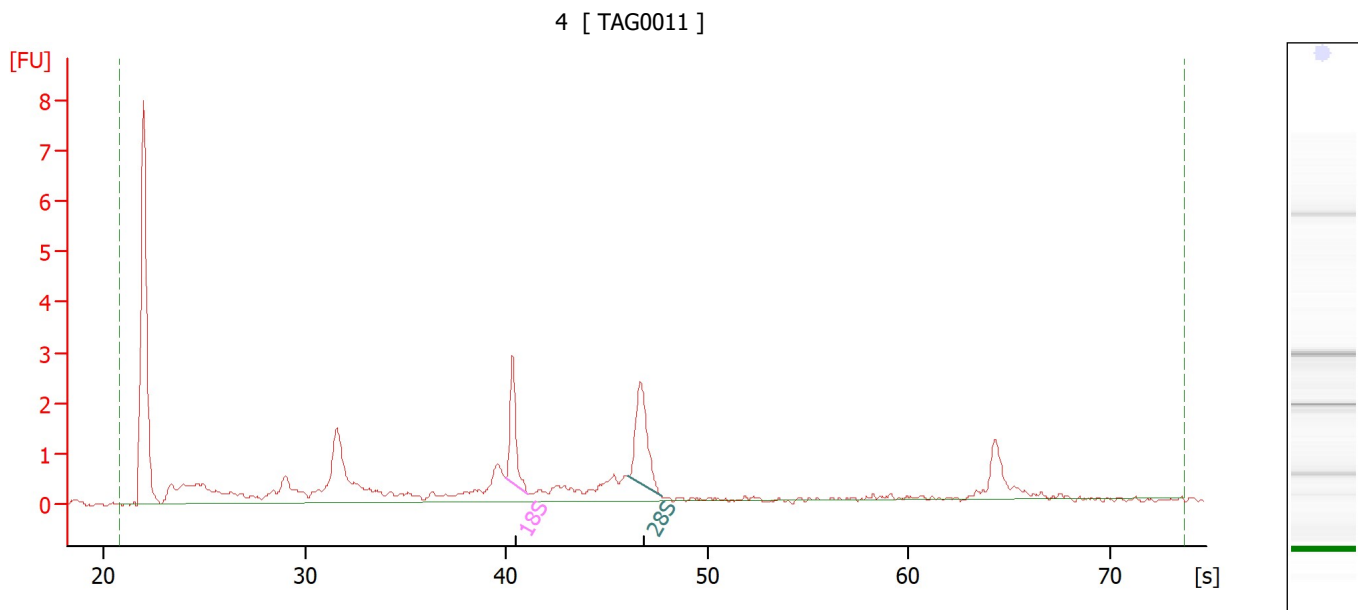
Fragment table for sample 8 : 3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.11	40.47	5.9	6.8
28S	45.58	48.11	5.1	5.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4

RNA Area:	27.4	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	96 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.40

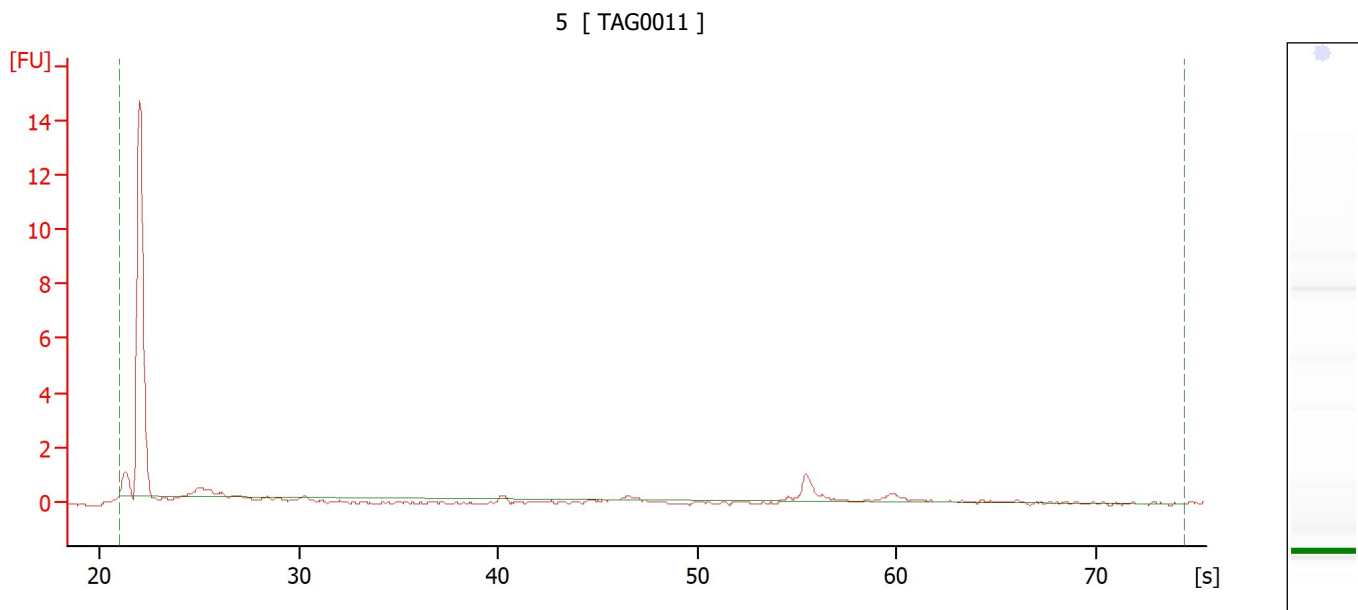
Fragment table for sample 9 : 4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.94	41.12	2.2	8.0
28S	46.03	47.74	2.8	10.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:31 PM

Electropherogram Summary Continued ...

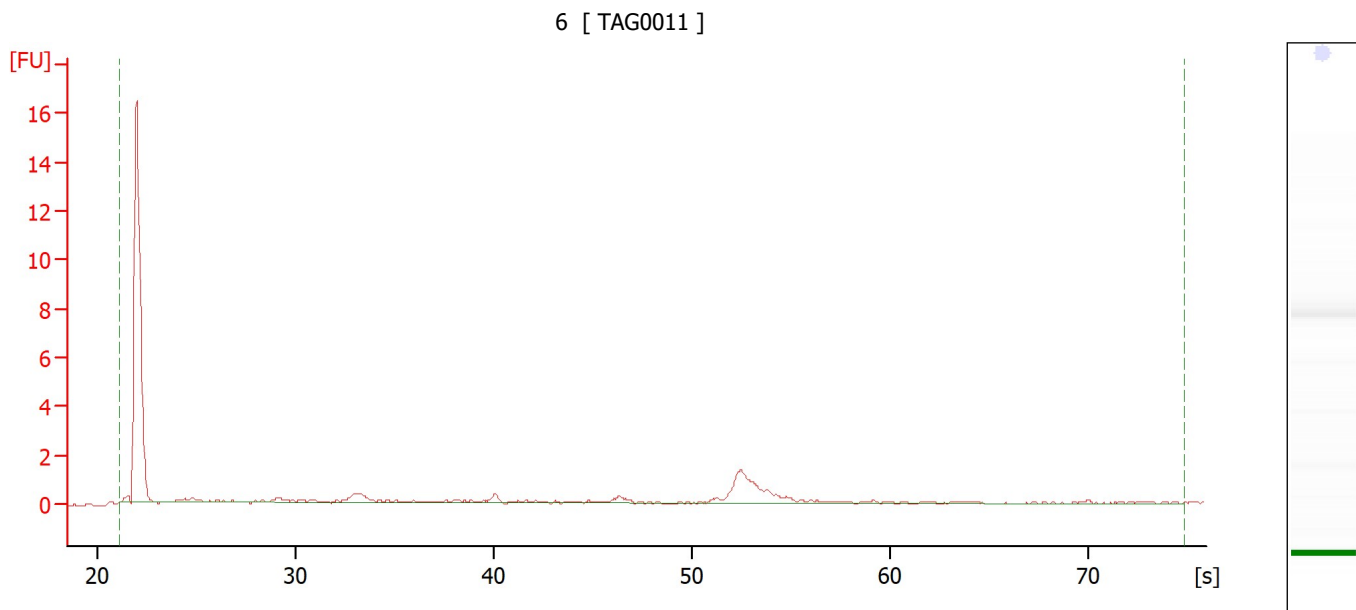


Overall Results for sample 10 : 5

RNA Area:	5.4	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	19 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:31 PM

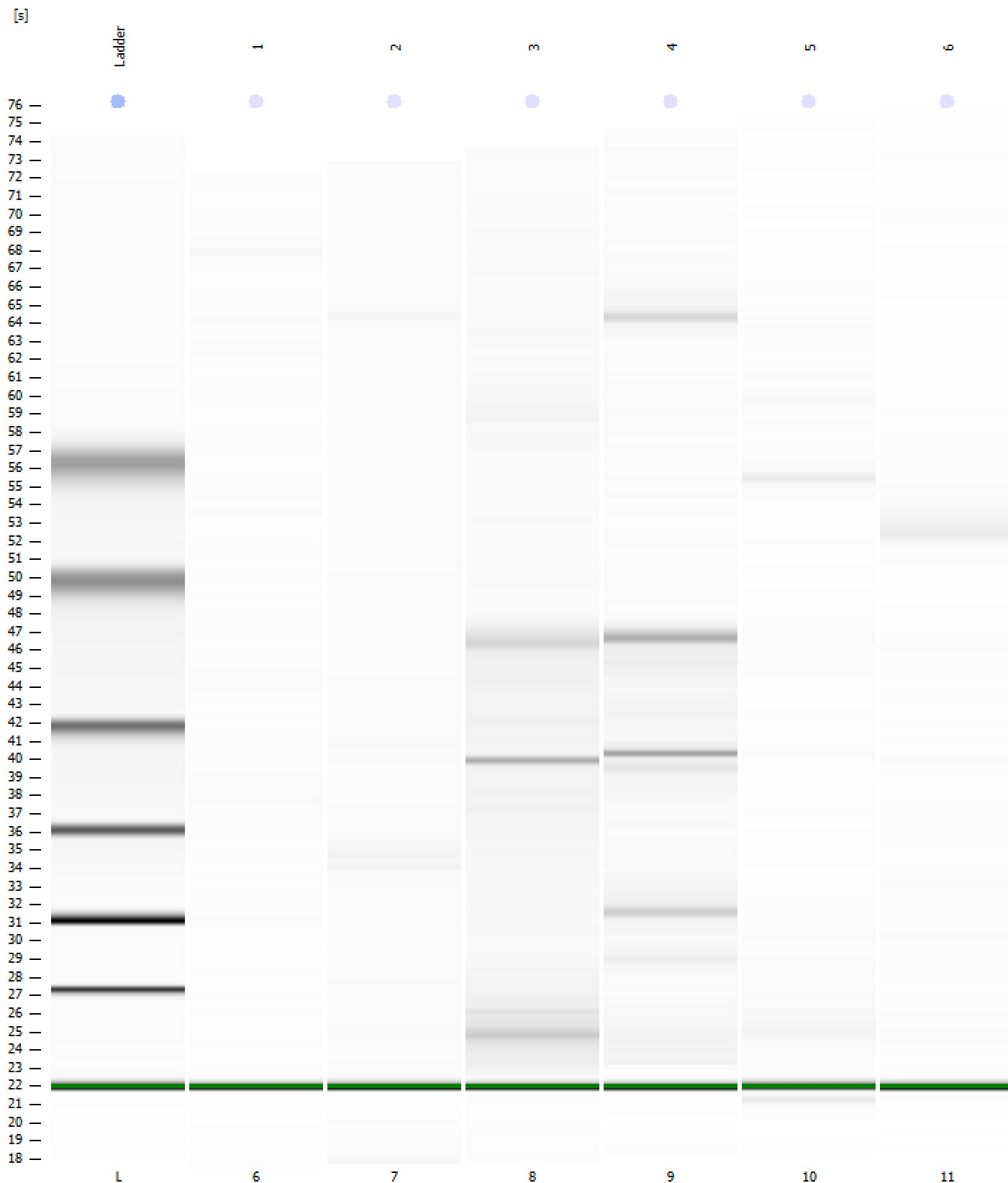
Electropherogram Summary Continued ...**Overall Results for sample 11 : 6**

RNA Area:	11.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	41 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
Modified: 7/9/2020 2:04:31 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-09\TAG0011_RNA_QC.xad

Created: 7/9/2020 1:24:39 PM
 Modified: 7/9/2020 2:04:31 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