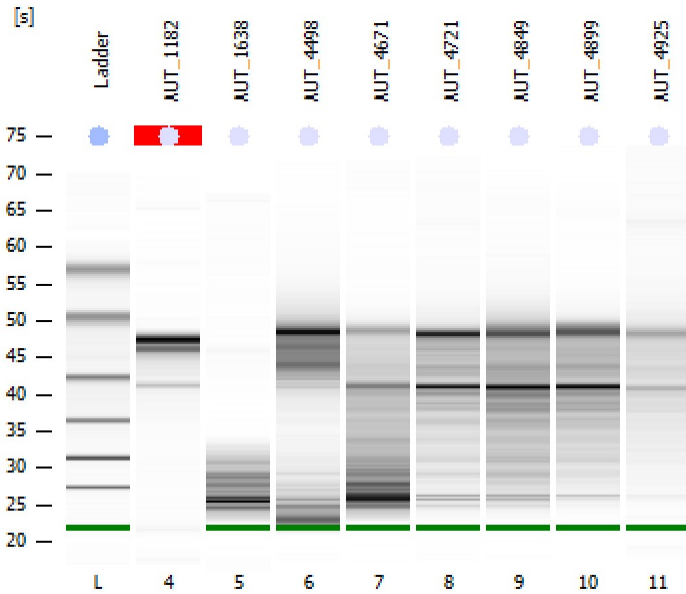


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electrophoresis File Run Summary



Instrument Information:

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

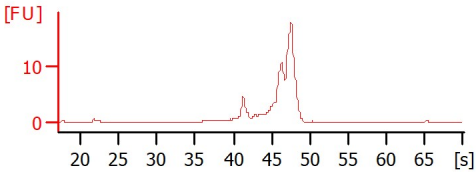
Assay Information:

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.

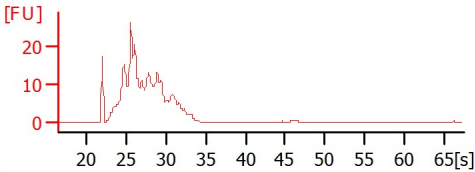
Chip Information:

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

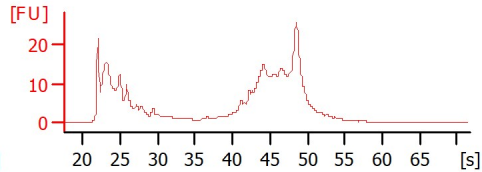
AUT_1182
QC0600
RIN: 7.40



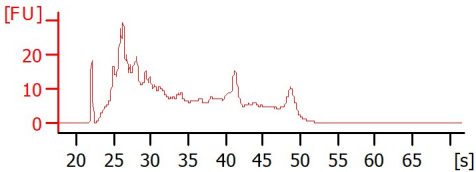
AUT_1638
QC0600
RIN: 2.30



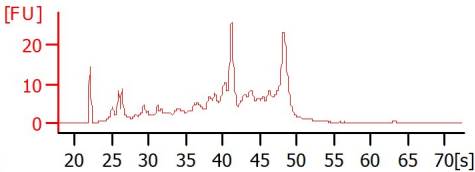
AUT_4498
QC0600
RIN: 3.10



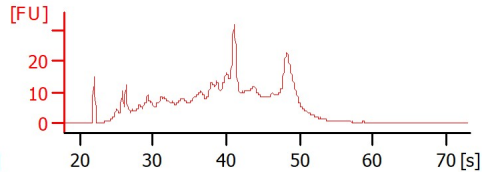
AUT_4671
QC0600
RIN: 3.70



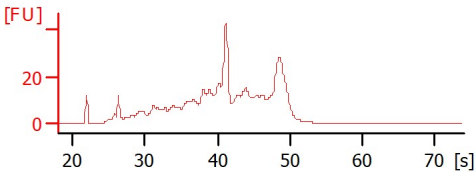
AUT_4721
QC0600
RIN: 6.20



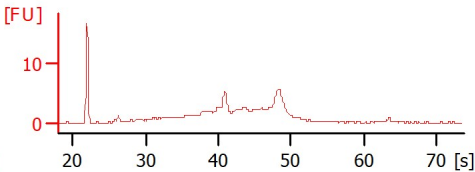
AUT_4849
QC0600
RIN: 5.20



AUT_4899
QC0600
RIN: 6.10



AUT_4925
QC0600
RIN: 5.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
 Modified: 7/9/2020 1:10:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AUT_1182	QC0600	✓	RIN: 7.40	
AUT_1638	QC0600	✓	RIN: 2.30	
AUT_4498	QC0600	✓	RIN: 3.10	
AUT_4671	QC0600	✓	RIN: 3.70	
AUT_4721	QC0600	✓	RIN: 6.20	
AUT_4849	QC0600	✓	RIN: 5.20	
AUT_4899	QC0600	✓	RIN: 6.10	
AUT_4925	QC0600	✓	RIN: 5.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 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

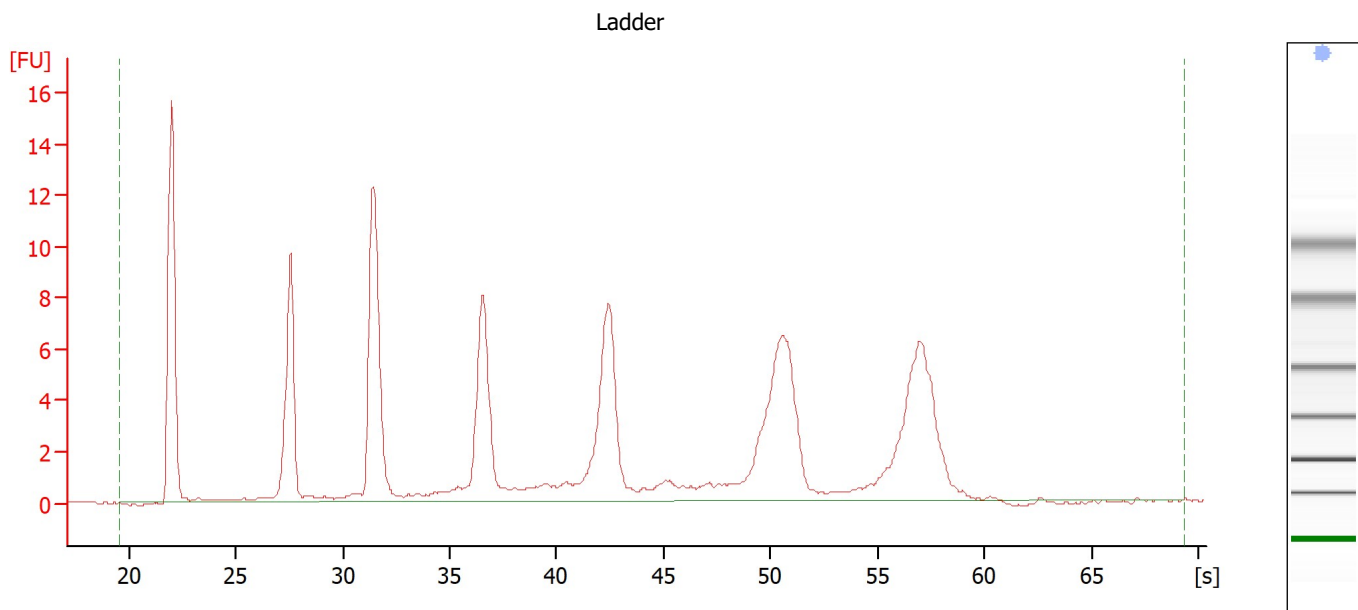
Ladder

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\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary



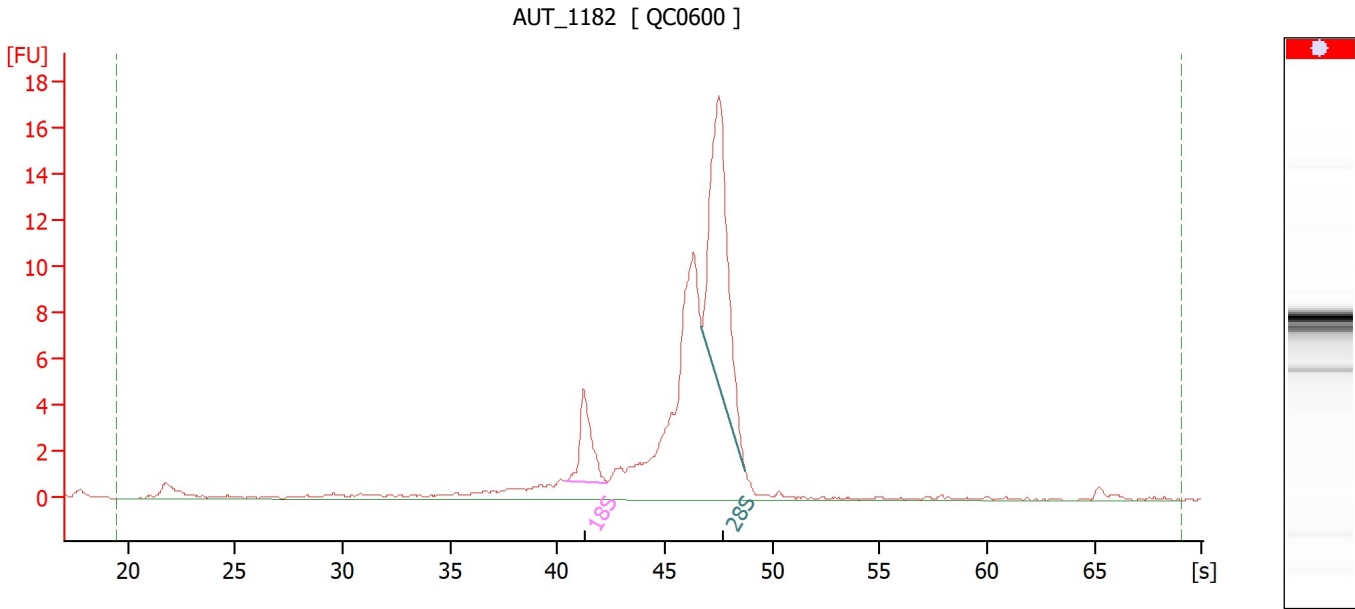
Overall Results for Ladder

RNA Area:	133.0	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\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
 Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AUT_1182

RNA Area:	103.8	RNA Integrity Number (RIN):	7.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	781 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.1	Result Flagging Label:	RIN: 7.40

Fragment table for sample 4 : AUT_1182

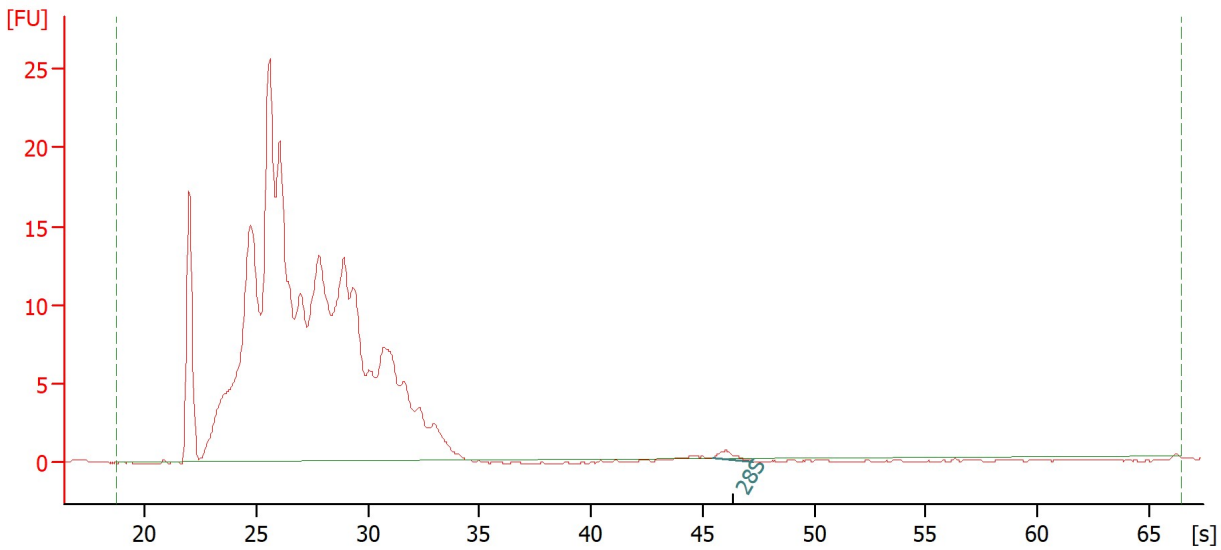
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.35	42.30	5.8	5.6
28S	46.70	48.75	24.0	23.2

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...

AUT_1638 [QC0600]



Overall Results for sample 5 : AUT_1638

RNA Area:	327.4	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	2,462 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

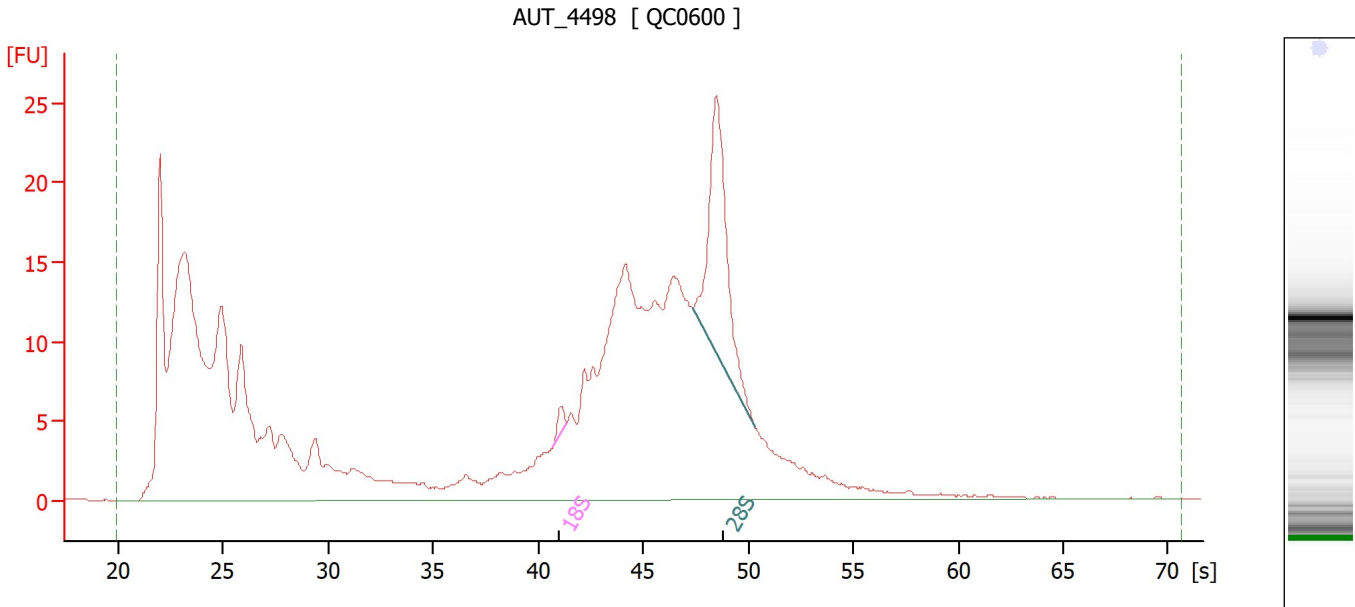
Fragment table for sample 5 : AUT_1638

Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	45.44	47.23	1.0	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : AUT_4498

RNA Area:	514.1	RNA Integrity Number (RIN):	3.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,867 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	25.1	Result Flagging Label:	RIN: 3.10

Fragment table for sample 6 : AUT_4498

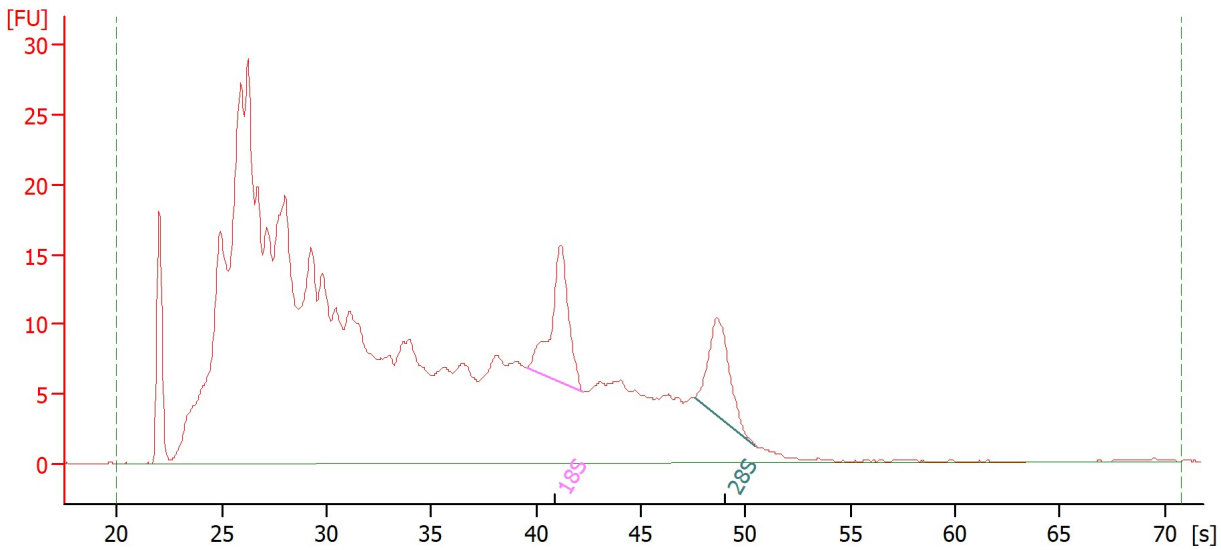
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.73	41.39	1.3	0.3
28S	47.33	50.29	33.2	6.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...

AUT_4671 [QC0600]



Overall Results for sample 7 : AUT_4671

RNA Area: 744.0 RNA Integrity Number (RIN): 3.7 (B.02.10)
RNA Concentration: 5,596 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 3.70

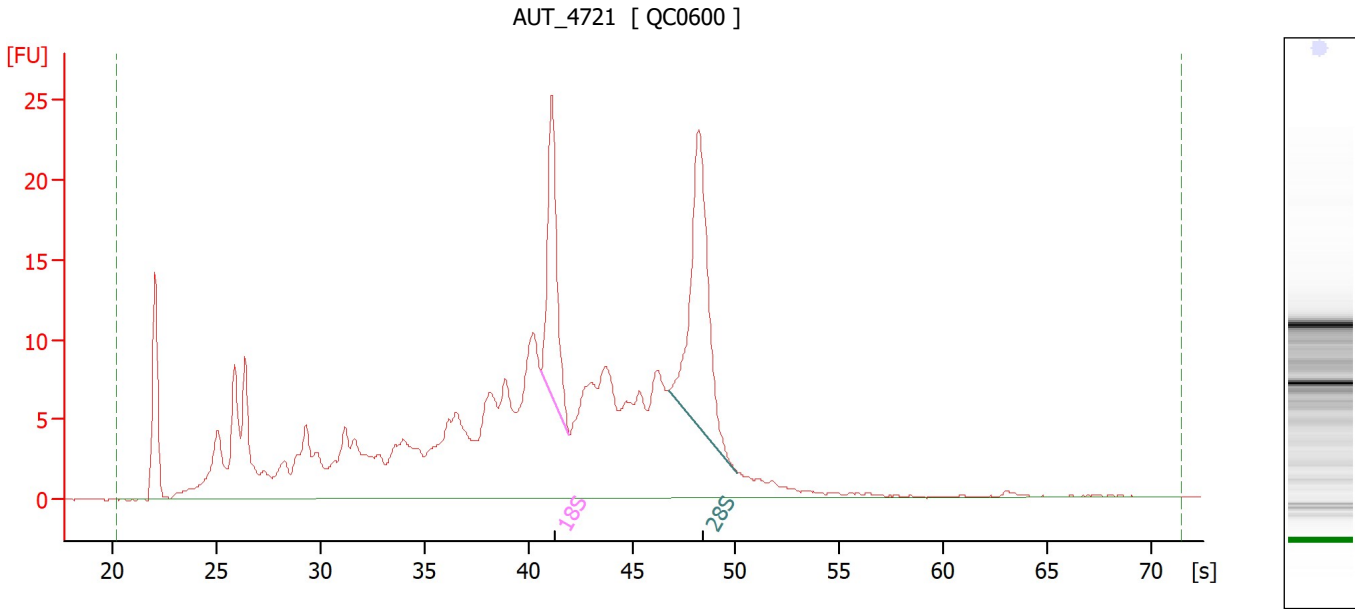
Fragment table for sample 7 : AUT_4671

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.59	42.21	23.1	3.1
28S	47.54	50.46	16.9	2.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : AUT_4721

RNA Area: 382.0 RNA Integrity Number (RIN): 6.2 (B.02.10)
RNA Concentration: 2,873 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 6.20

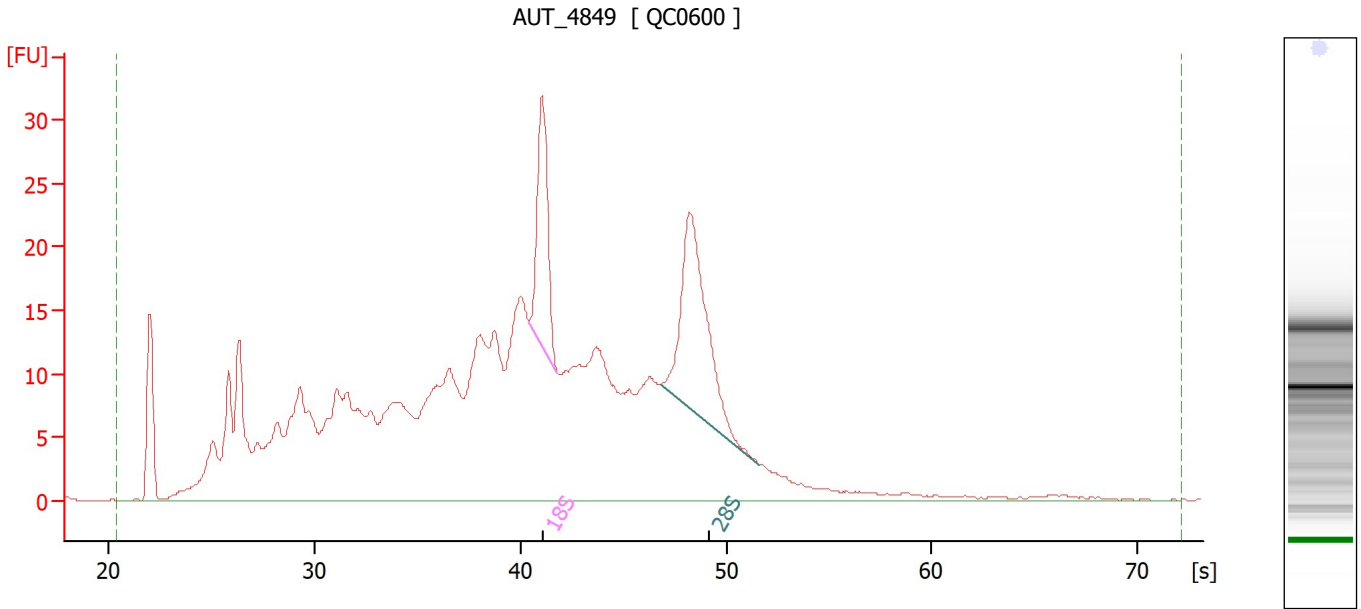
Fragment table for sample 8 : AUT_4721

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.64	41.98	23.9	6.2
28S	46.74	50.06	37.8	9.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : AUT 4849

RNA Area: 688.4 RNA Integrity Number (RIN): 5.2 (B.02.10)
RNA Concentration: 5,178 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 5.20

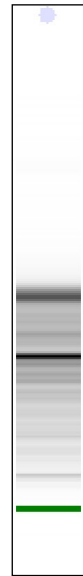
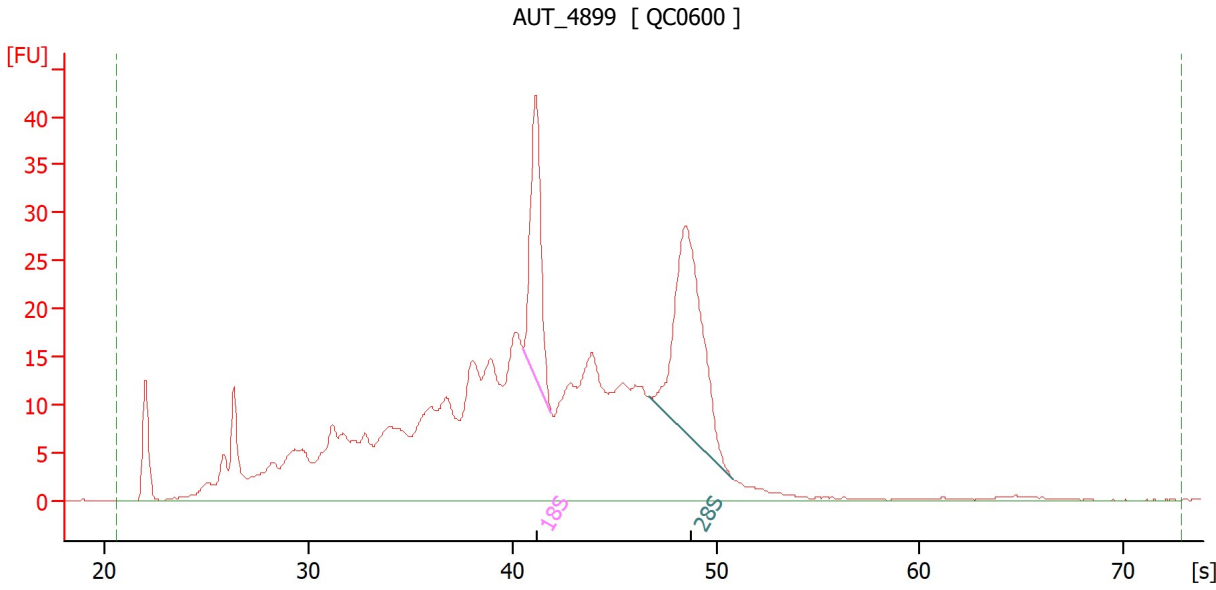
Fragment table for sample 9 : AUT 4849

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.45	41.81	27.6	4.0
28S	46.82	51.63	46.6	6.8

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : AUT_4899

RNA Area: 695.6 RNA Integrity Number (RIN): 6.1 (B.02.10)
RNA Concentration: 5,232 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 6.10

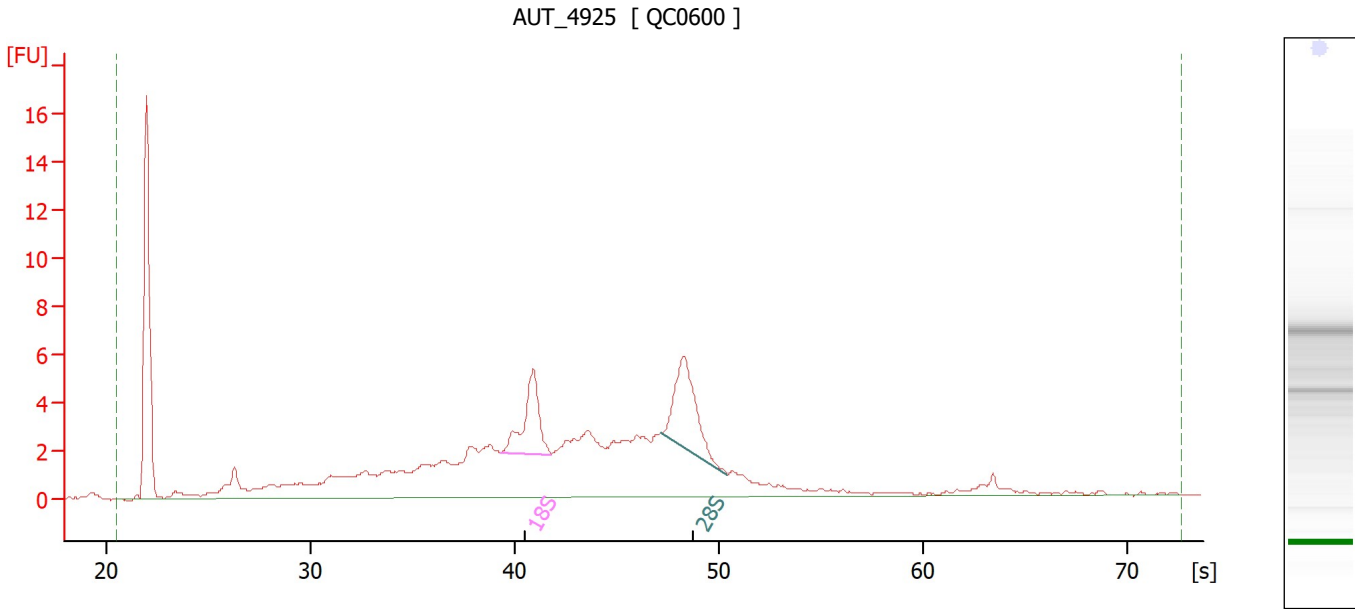
Fragment table for sample 10 : AUT_4899

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.52	41.89	41.9	6.0
28S	46.64	50.81	71.6	10.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : AUT_4925

RNA Area: 121.8 RNA Integrity Number (RIN): 5.9 (B.02.10)
RNA Concentration: 916 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 5.90

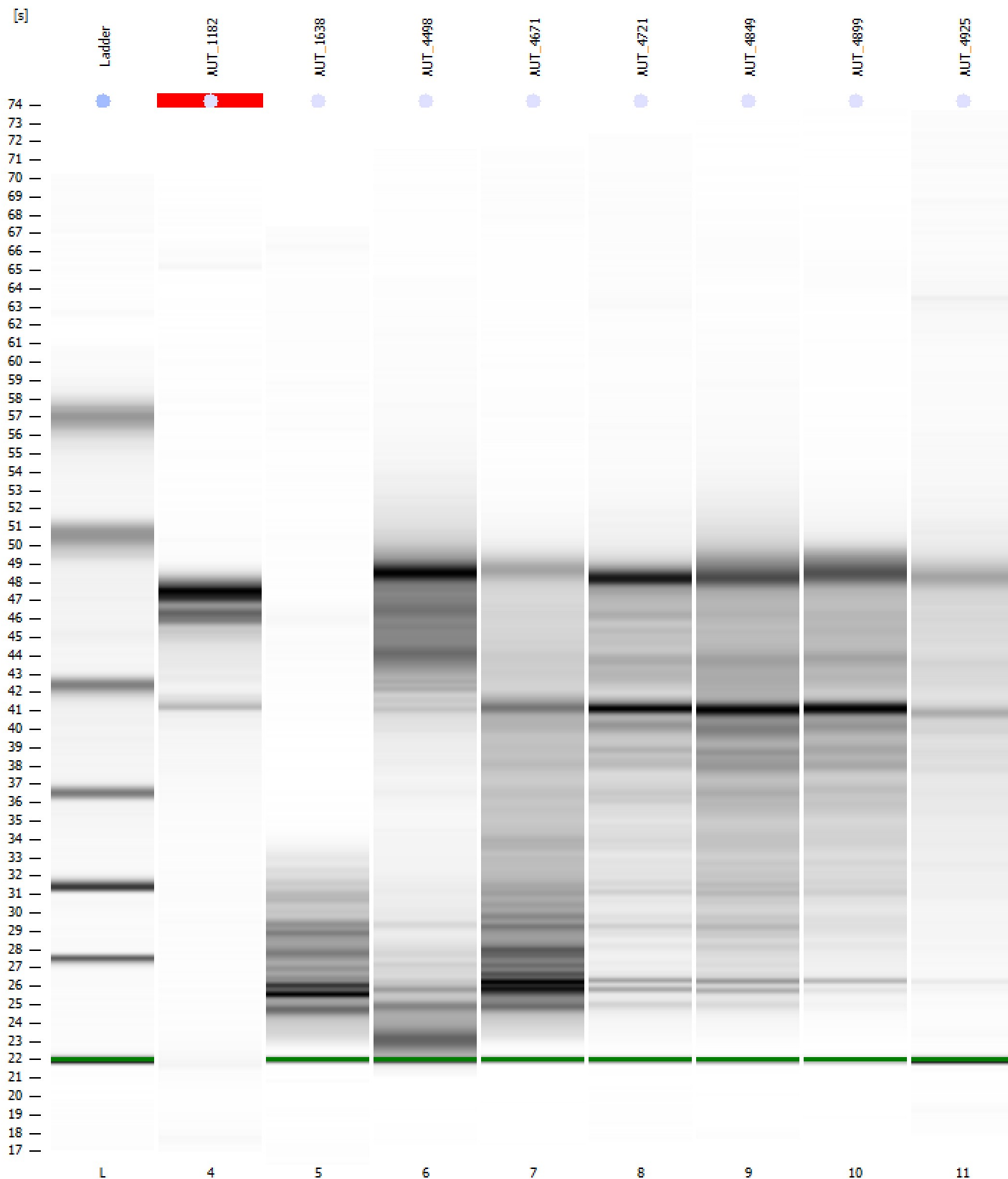
Fragment table for sample 11 : AUT_4925

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.32	41.79	7.1	5.9
28S	47.21	50.42	9.2	7.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
Modified: 7/9/2020 1:10:56 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-08\QC0600_3.xad

Created: 7/8/2020 4:08:50 PM
 Modified: 7/9/2020 1:10:56 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