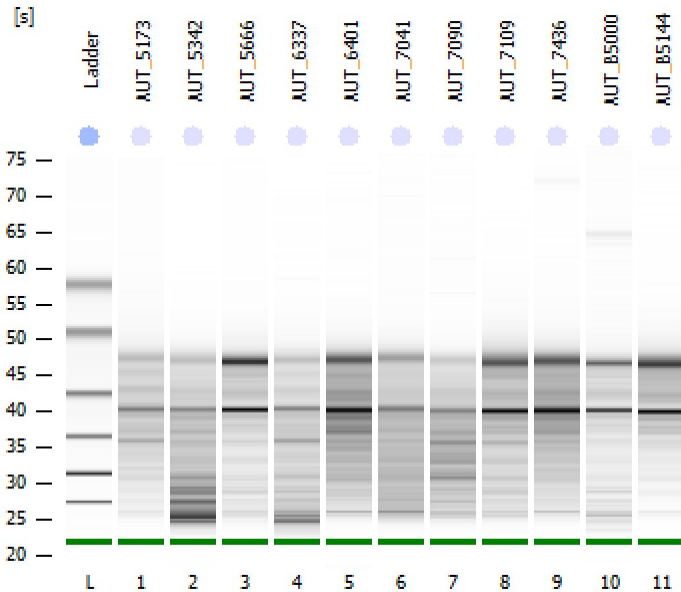


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electrophoresis File Run Summary



Instrument Information:

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

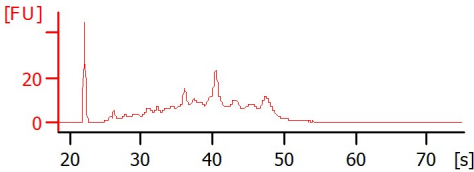
Assay Information:

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.

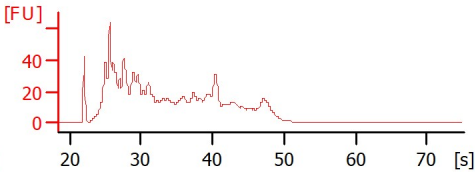
Chip Information:

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

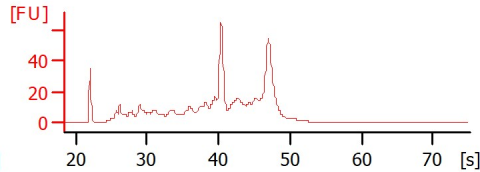
AUT_5173
 QC0600
 RIN: 5.70



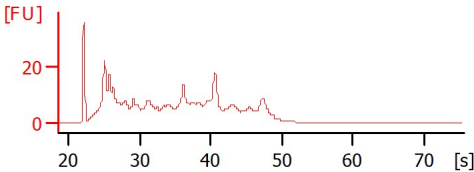
AUT_5342
 RIN: 3.20



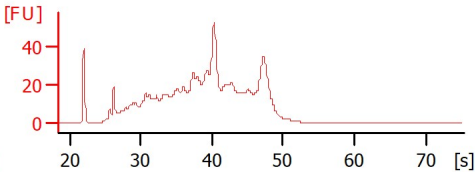
AUT_5666
 RIN: 6.80



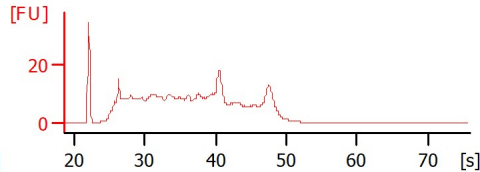
AUT_6337
 RIN: 4.60



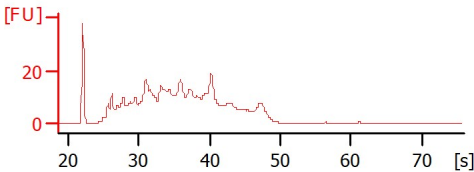
AUT_6401
 RIN: 5.10



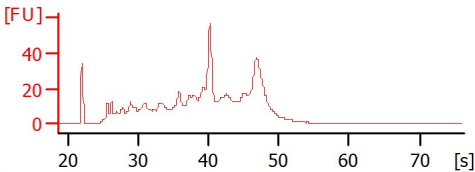
AUT_7041
 RIN: 5.20



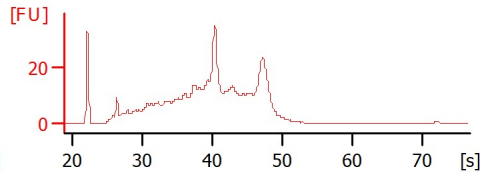
AUT_7090
 RIN: 4.60



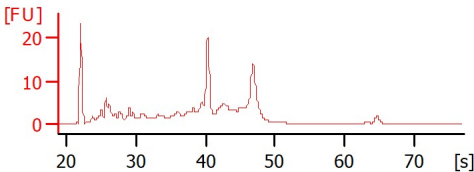
AUT_7109
 RIN: 6.30



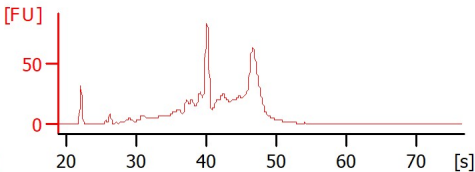
AUT_7436
 RIN: 5.70



AUT_B5000
 RIN: 7



AUT_B5144
 RIN: 6.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AUT_5173	QC0600	✓	RIN: 5.70	
AUT_5342		✓	RIN: 3.20	
AUT_5666		✓	RIN: 6.80	
AUT_6337		✓	RIN: 4.60	
AUT_6401		✓	RIN: 5.10	
AUT_7041		✓	RIN: 5.20	
AUT_7090		✓	RIN: 4.60	
AUT_7109		✓	RIN: 6.30	
AUT_7436		✓	RIN: 5.70	
AUT_B5000		✓	RIN:7	
AUT_B5144		✓	RIN: 6.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 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

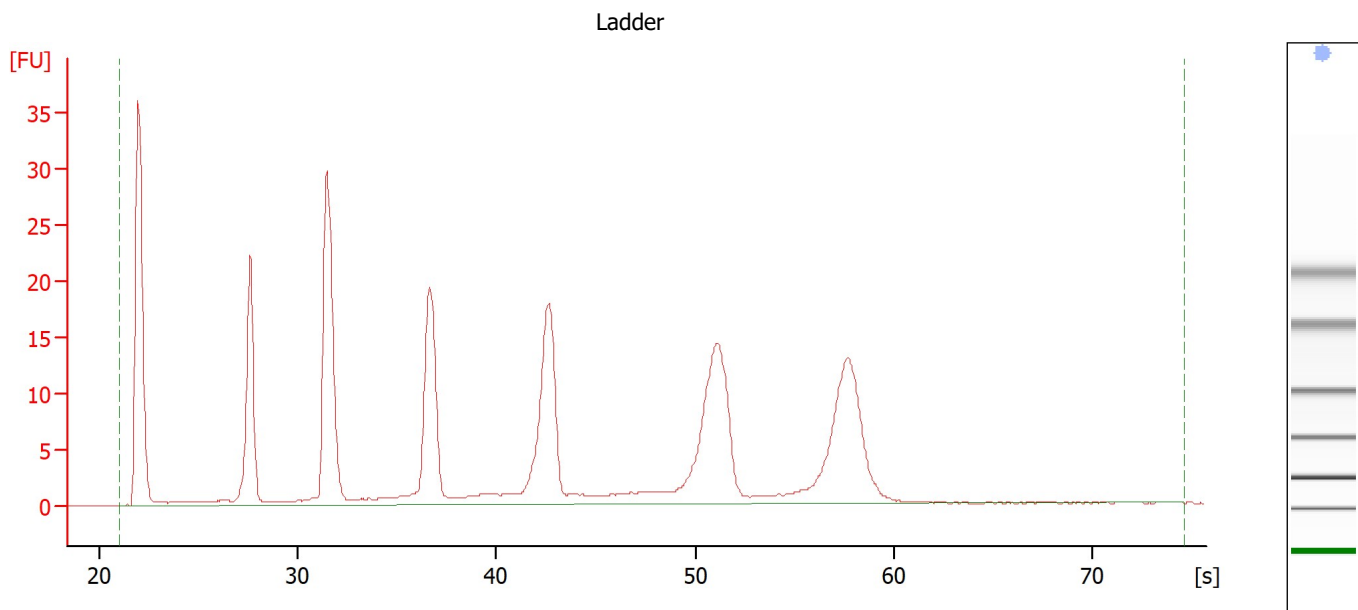
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary



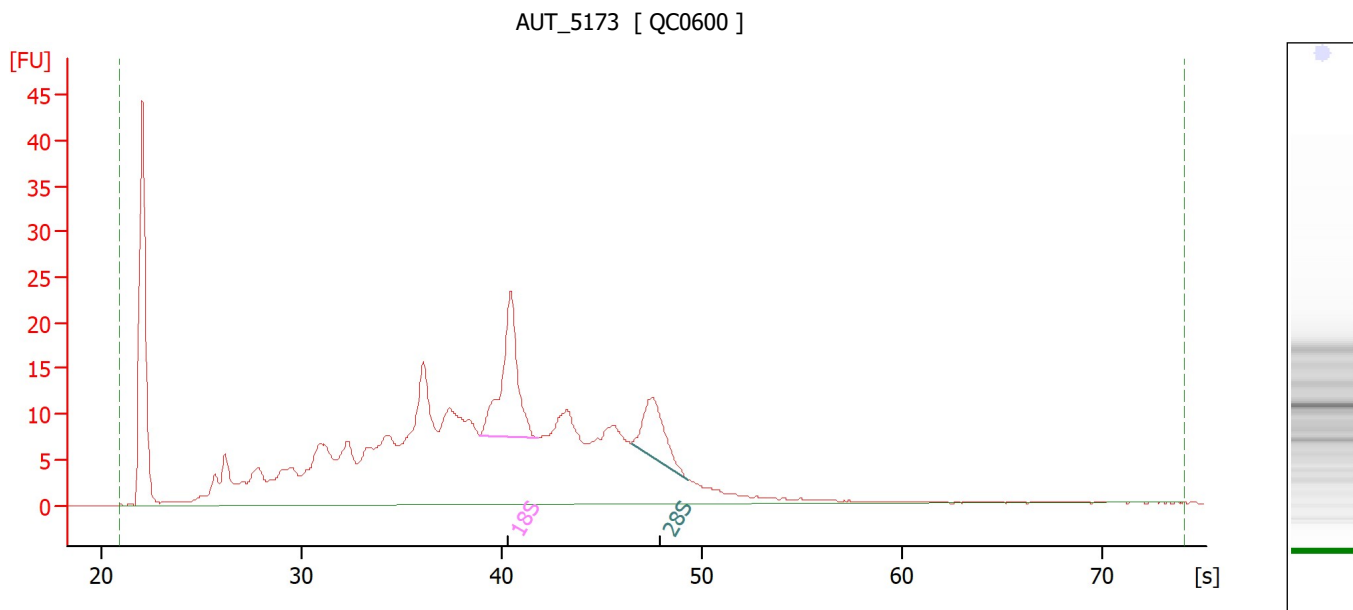
Overall Results for Ladder

RNA Area:	278.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : AUT_5173

RNA Area:	481.7	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	1,732 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 5.70

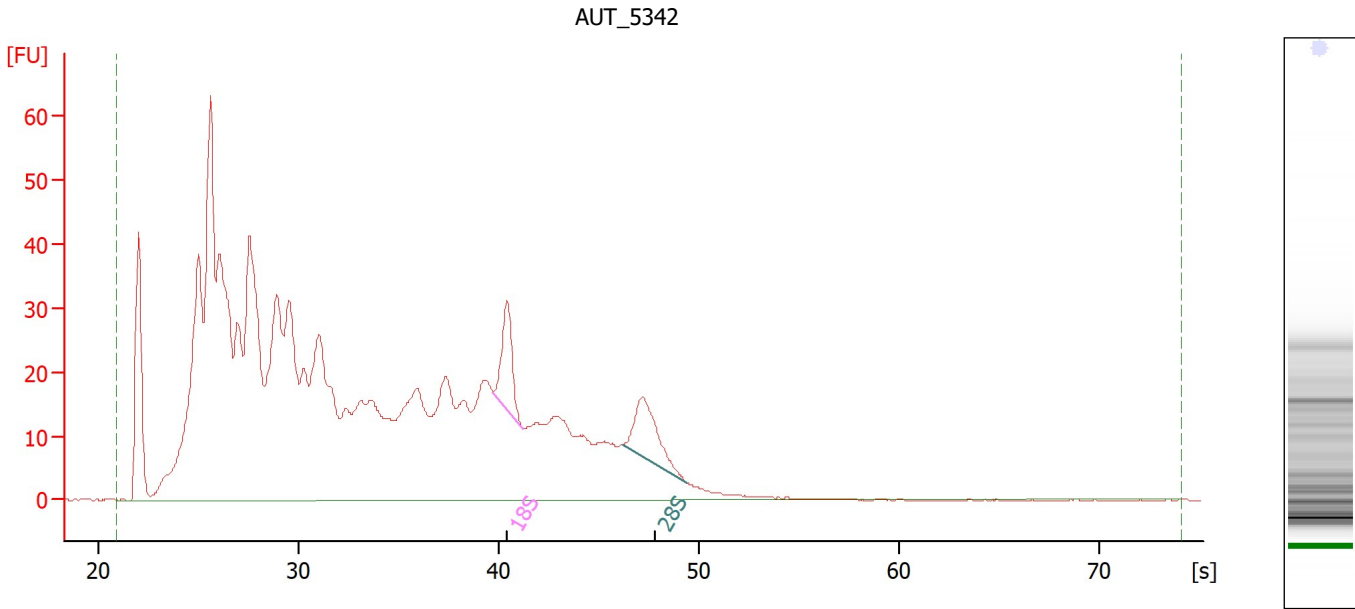
Fragment table for sample 1 : AUT_5173

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.90	41.80	35.9	7.5
28S	46.47	49.26	17.1	3.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AUT_5342

RNA Area:	1,371.4	RNA Integrity Number (RIN):	3.2 (B.02.10)
RNA Concentration:	4,930 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 3.20

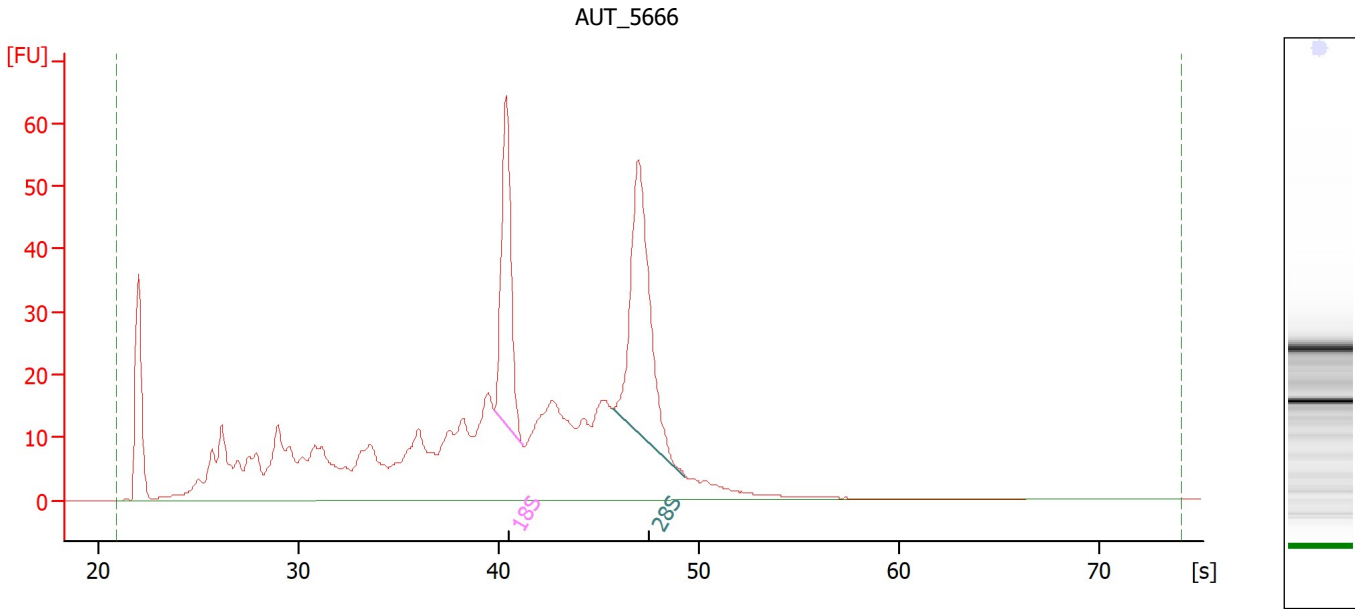
Fragment table for sample 2 : AUT_5342

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.71	41.16	25.0	1.8
28S	46.20	49.42	26.1	1.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : AUT_5666

RNA Area:	803.6	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	2,889 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.80

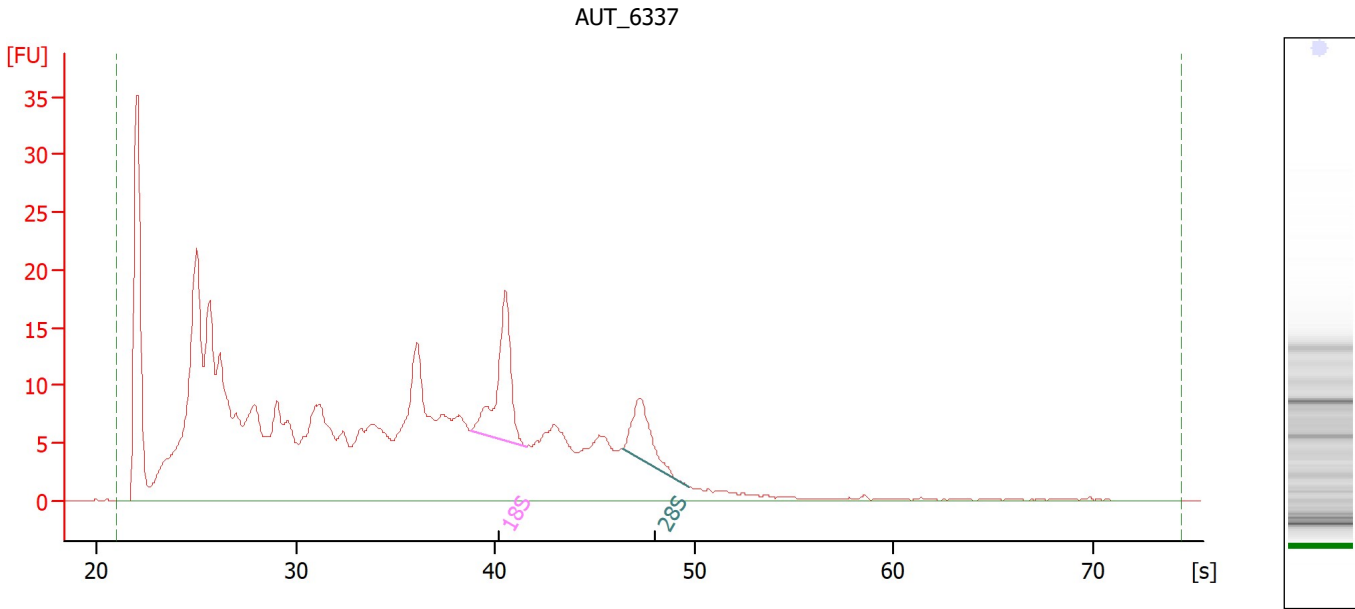
Fragment table for sample 3 : AUT_5666

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.76	41.16	73.4	9.1
28S	45.66	49.31	102.0	12.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AUT_6337

RNA Area:	560.6	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	2,015 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 4.60

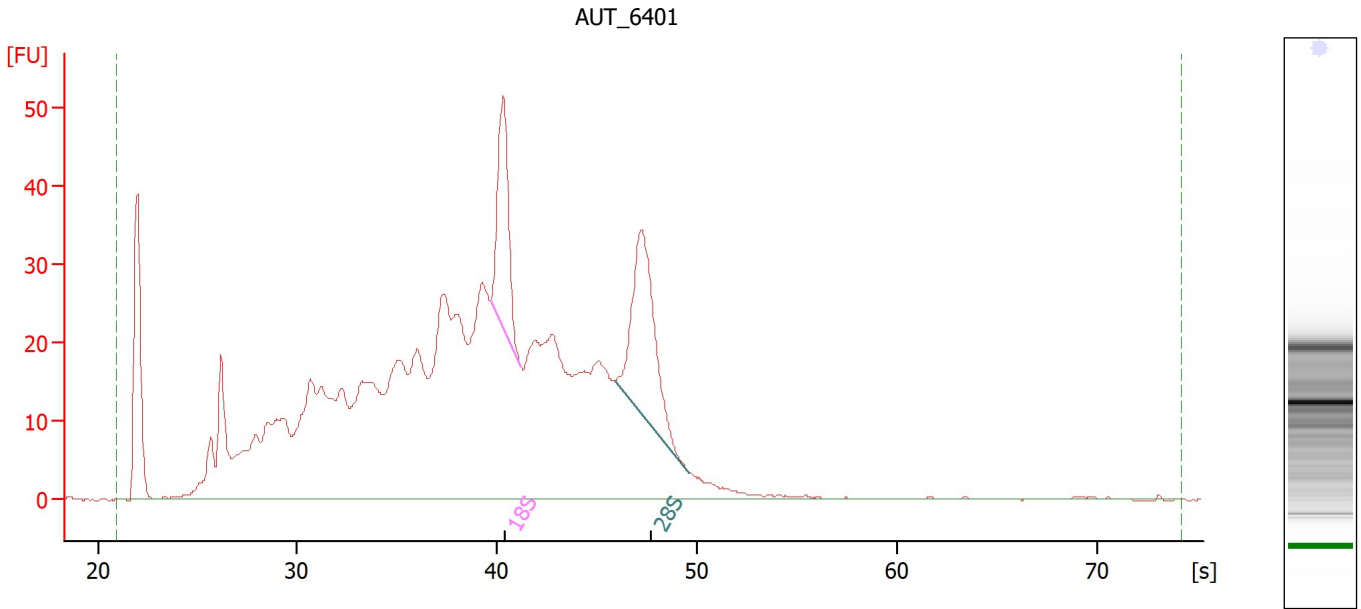
Fragment table for sample 4 : AUT_6337

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.77	41.57	25.6	4.6
28S	46.37	49.72	12.6	2.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AUT_6401

RNA Area:	1,083.7	RNA Integrity Number (RIN):	5.1 (B.02.10)
RNA Concentration:	3,896 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 5.10

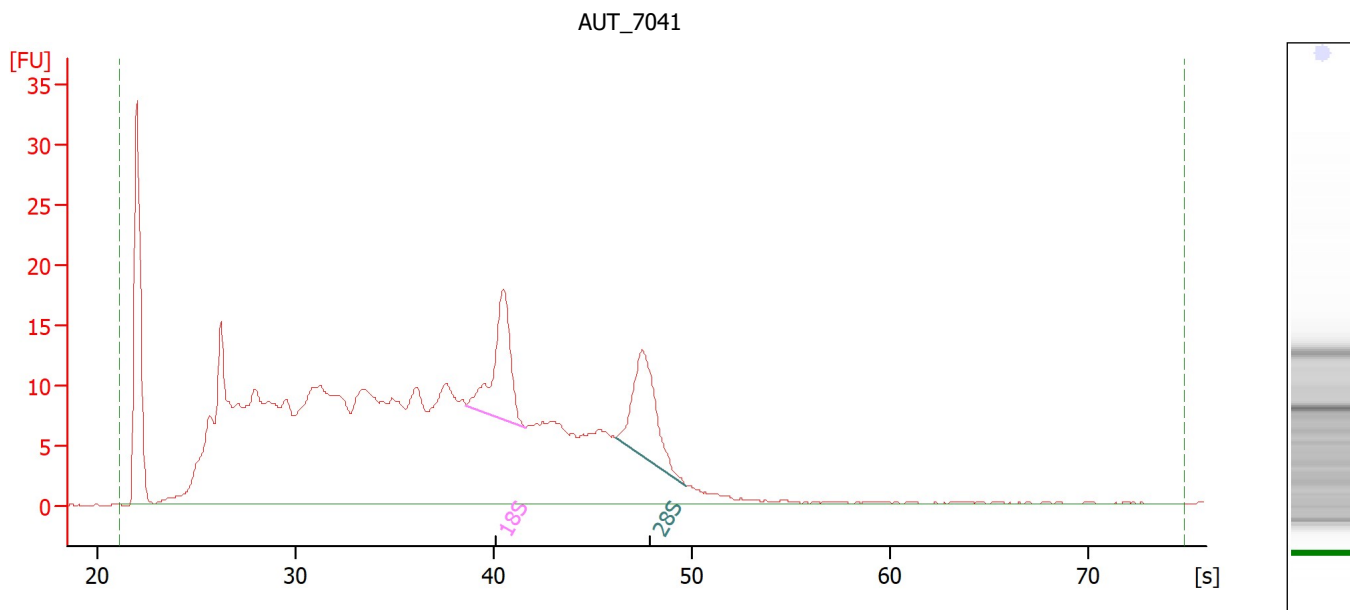
Fragment table for sample 5 : AUT_6401

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.64	41.20	46.0	4.2
28S	45.88	49.59	65.5	6.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : AUT_7041

RNA Area:	588.5	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	2,116 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 5.20

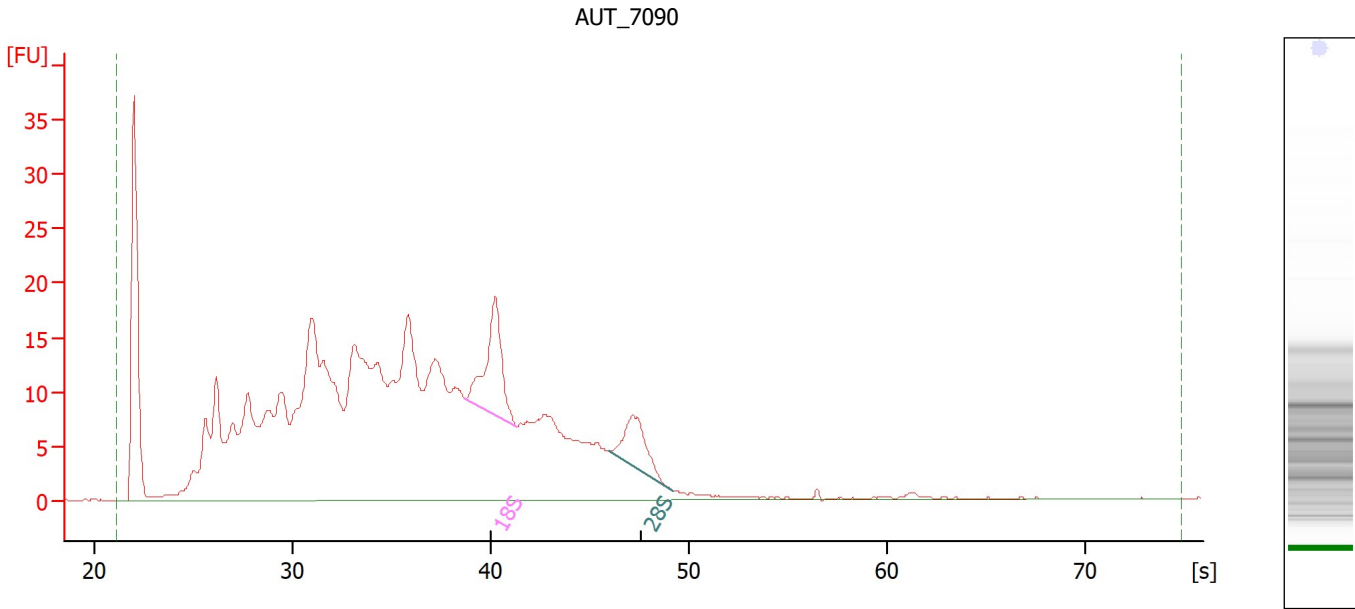
Fragment table for sample 6 : AUT_7041

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.58	41.56	25.9	4.4
28S	46.11	49.64	25.0	4.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : AUT_7090

RNA Area:	615.1	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	2,211 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 4.60

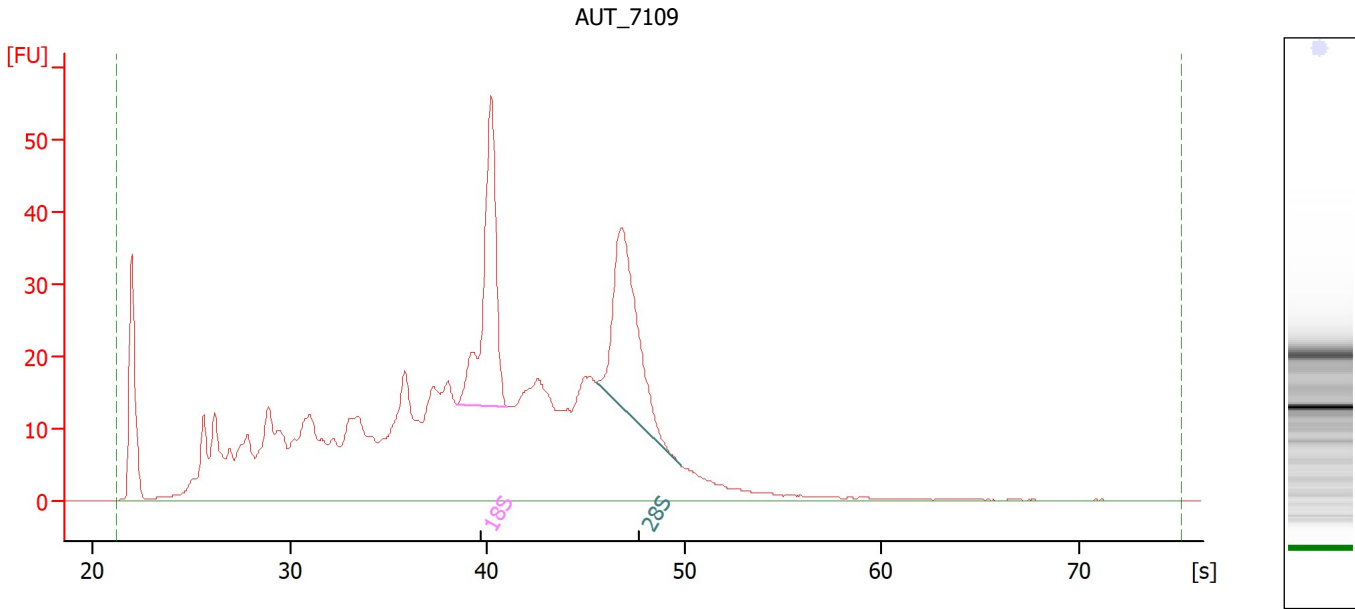
Fragment table for sample 7 : AUT_7090

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.69	41.29	24.2	3.9
28S	45.95	49.15	13.0	2.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : AUT_7109

RNA Area:	939.4	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	3,377 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.30

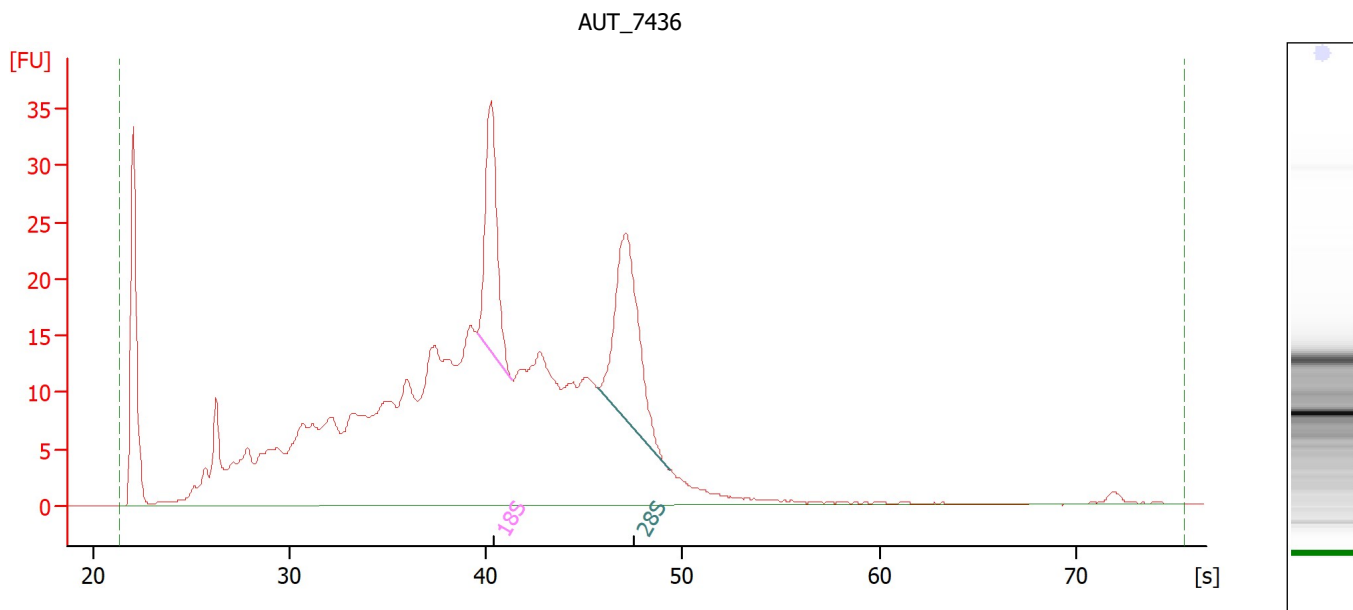
Fragment table for sample 8 : AUT_7109

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.45	41.00	79.7	8.5
28S	45.52	49.77	76.3	8.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : AUT_7436

RNA Area:	659.0	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	2,369 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 5.70

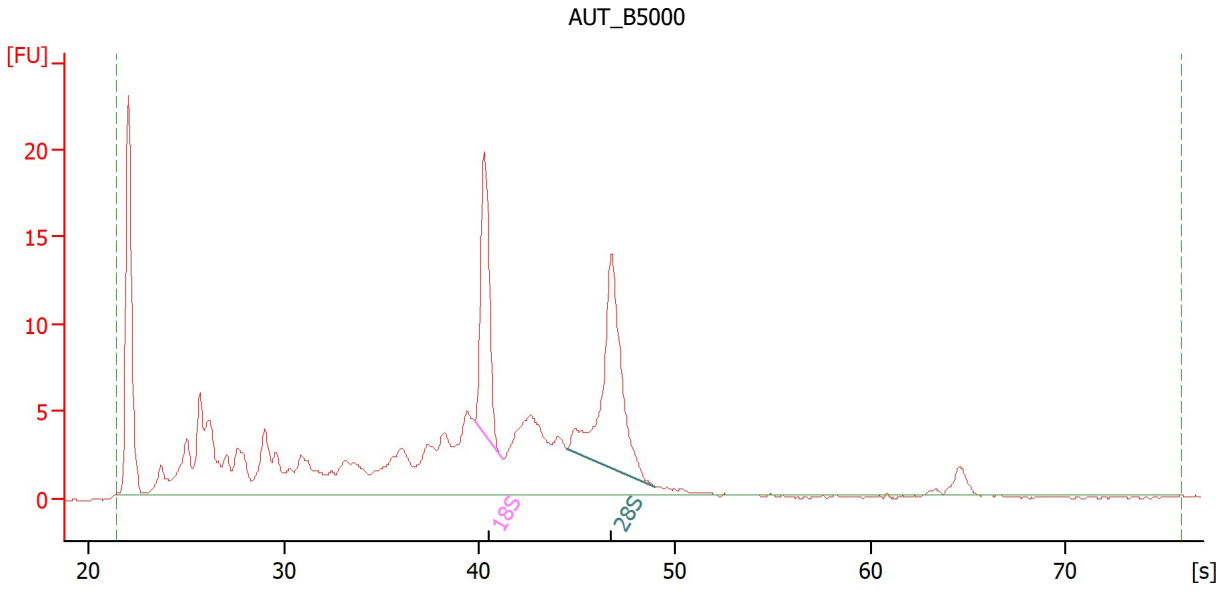
Fragment table for sample 9 : AUT_7436

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.51	41.32	37.2	5.6
28S	45.70	49.31	49.1	7.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : AUT_B5000

RNA Area:	218.2	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	784 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:7

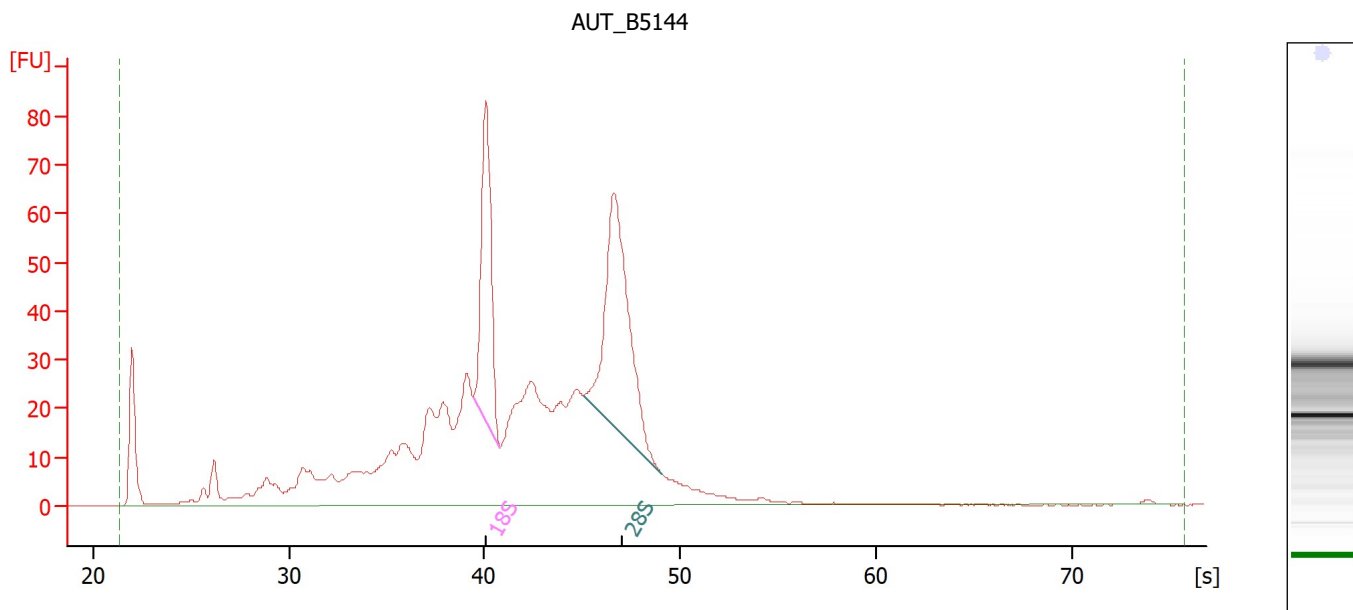
Fragment table for sample 10 : AUT_B5000

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.71	41.14	20.4	9.4
28S	44.50	49.01	30.0	13.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
 Modified: 7/8/2020 5:04:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : AUT_B5144

RNA Area:	999.3	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	3,592 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 6.90

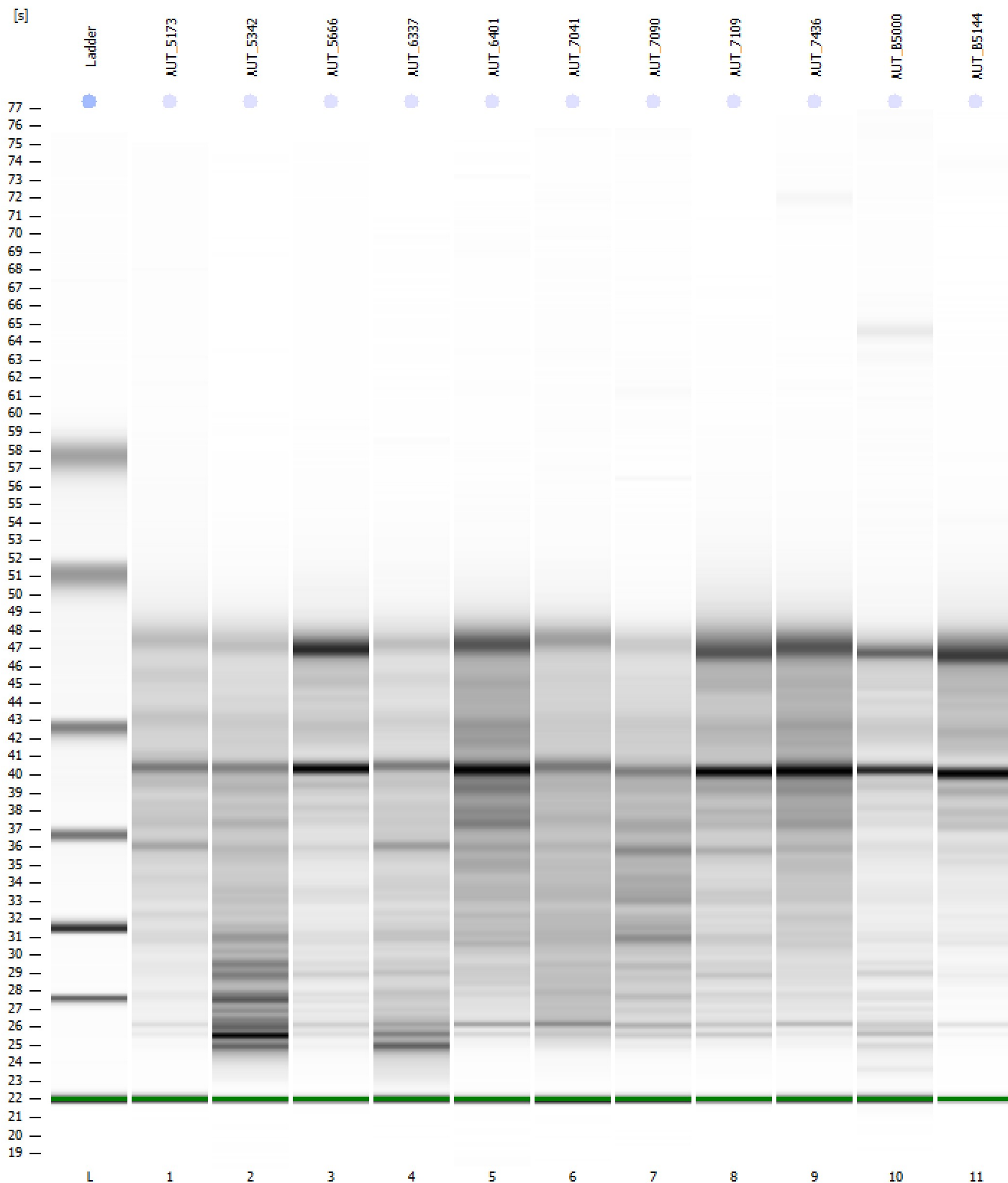
Fragment table for sample 11 : AUT_B5144

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.45	40.82	94.0	9.4
28S	45.04	49.05	141.8	14.2

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad

Created: 7/8/2020 4:42:04 PM
Modified: 7/8/2020 5:04:14 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico Created: 7/8/2020 4:42:04 PM
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_003.xad Modified: 7/8/2020 5:04:14 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 5:04:09 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_003.xad)		Instrument	Run		7/8/2020 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/8/2020 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/8/2020 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/8/2020 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/8/2020 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/8/2020 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/8/2020 4:42:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB