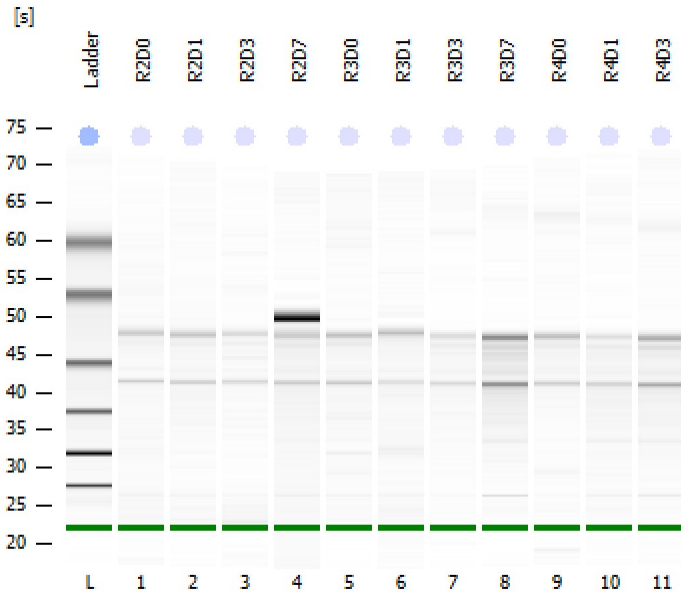


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
Modified: 7/8/2020 4:07:14 PM

Electrophoresis File Run Summary



Instrument Information:

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

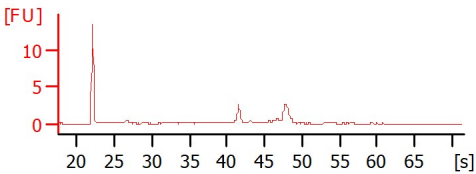
Assay Information:

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.

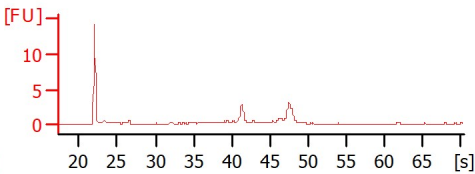
Chip Information:

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

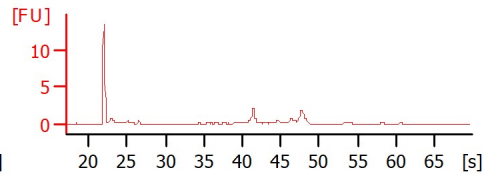
R2D0
QC0602
RIN: 7.80



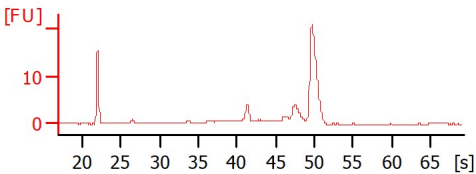
R2D1
RIN:8



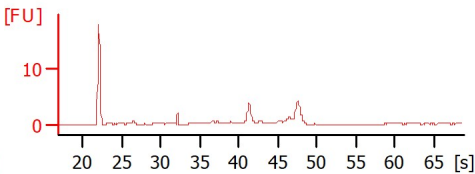
R2D3
RIN:8



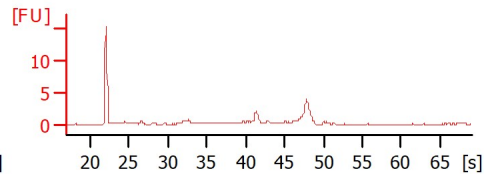
R2D7
RIN: 5.90



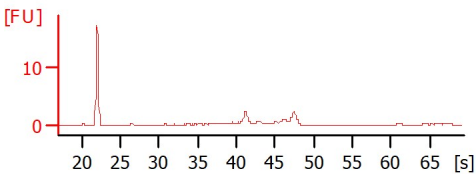
R3D0
RIN:8



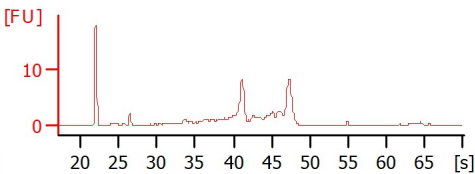
R3D1
RIN: 7.60



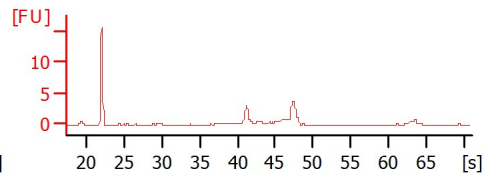
R3D3
RIN: 7.60



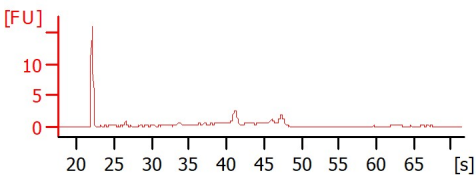
R3D7
RIN: 7.60



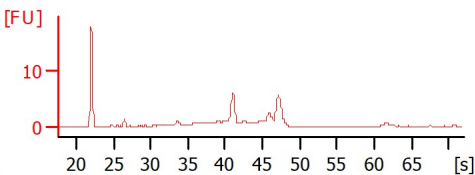
R4D0
RIN:8



R4D1
RIN:7



R4D3
RIN: 7.80



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
R2D0	QC0602	✓	RIN: 7.80	
R2D1		✓	RIN:8	
R2D3		✓	RIN:8	
R2D7		✓	RIN: 5.90	
R3D0		✓	RIN:8	
R3D1		✓	RIN: 7.60	
R3D3		✓	RIN: 7.60	
R3D7		✓	RIN: 7.60	
R4D0		✓	RIN:8	
R4D1		✓	RIN:7	
R4D3		✓	RIN: 7.80	
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_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 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

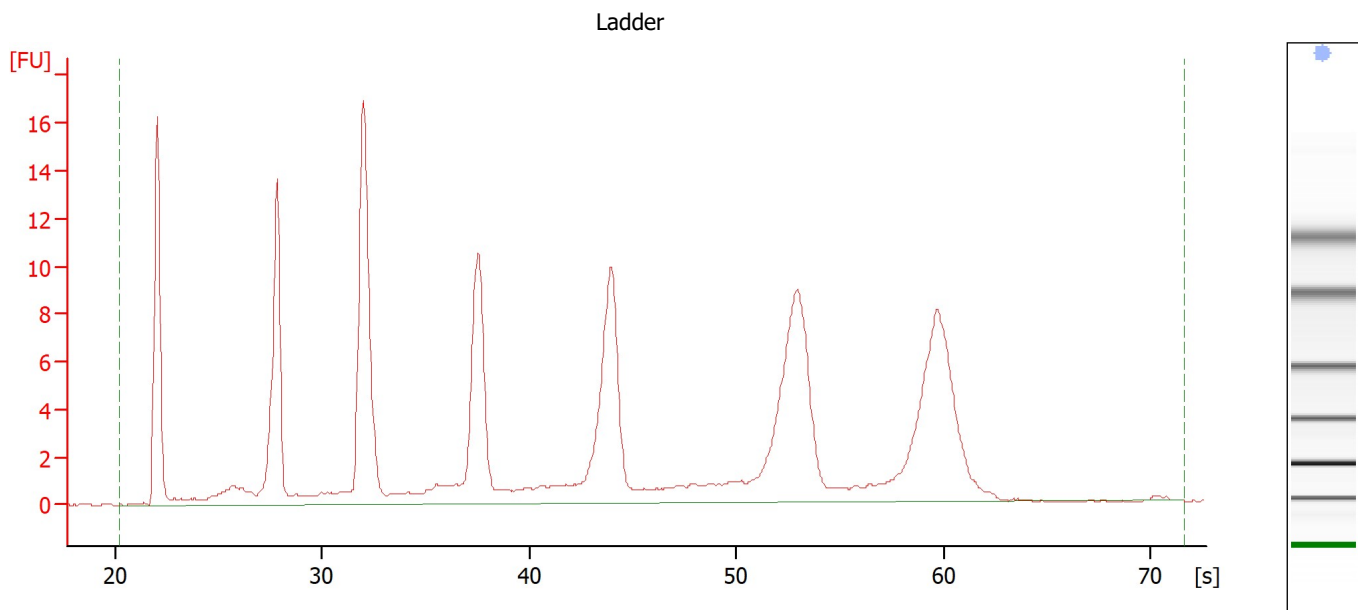
Ladder

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_001.xad

Created: 7/8/2020 3:36:12 PM
Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary



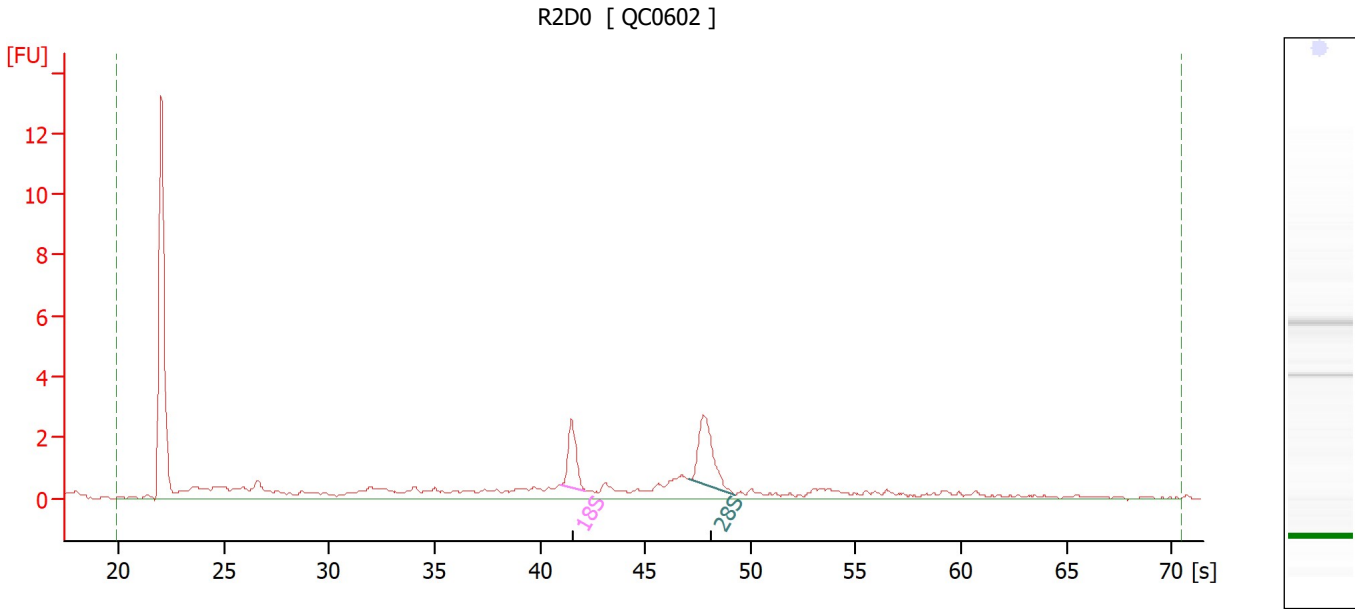
Overall Results for Ladder

RNA Area:	187.2	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:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : R2D0

RNA Area:	32.0	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	171 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.80

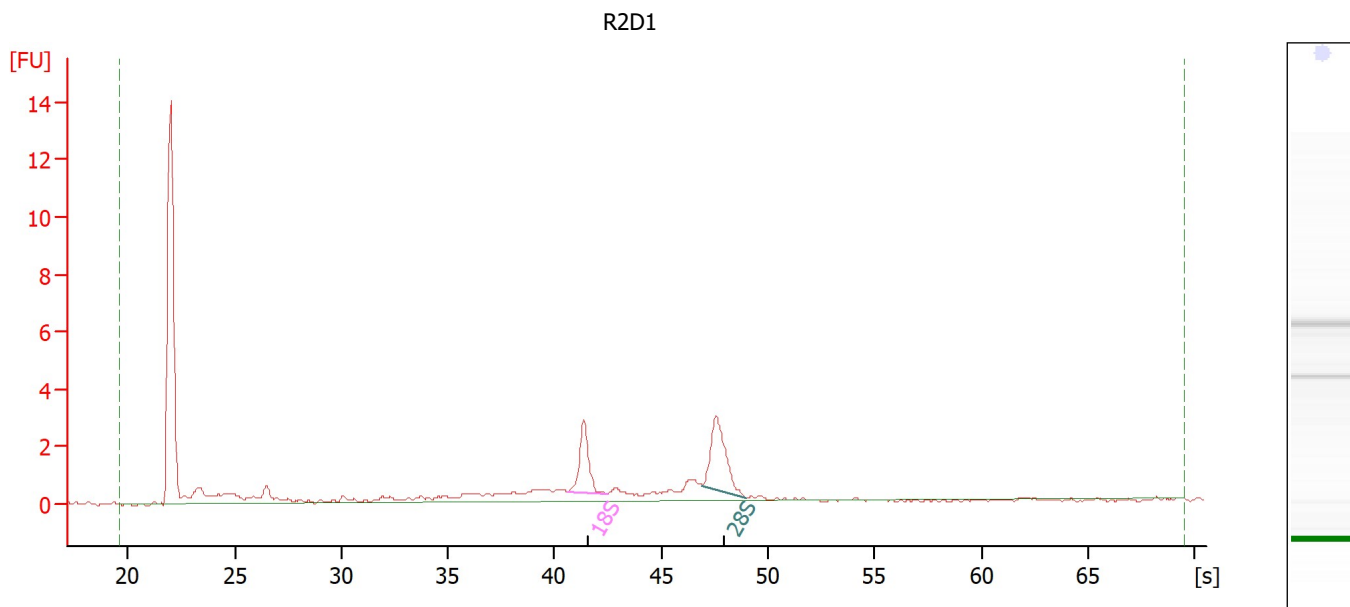
Fragment table for sample 1 : R2D0

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.99	42.16	2.4	7.5
28S	47.11	49.26	3.8	11.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : R2D1

RNA Area:	26.8	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	143 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:8

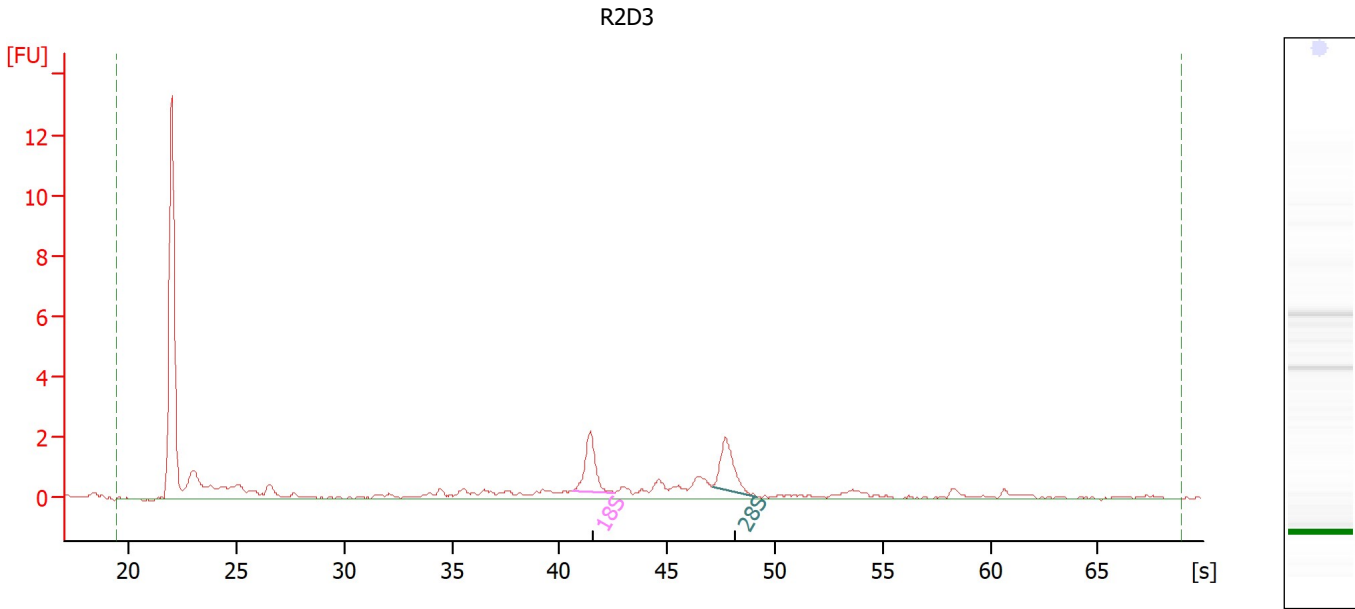
Fragment table for sample 2 : R2D1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.63	42.44	3.0	11.1
28S	46.92	48.93	4.3	16.1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R2D3

RNA Area: 30.0 RNA Integrity Number (RIN): 8 (B.02.10)
RNA Concentration: 160 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN:8

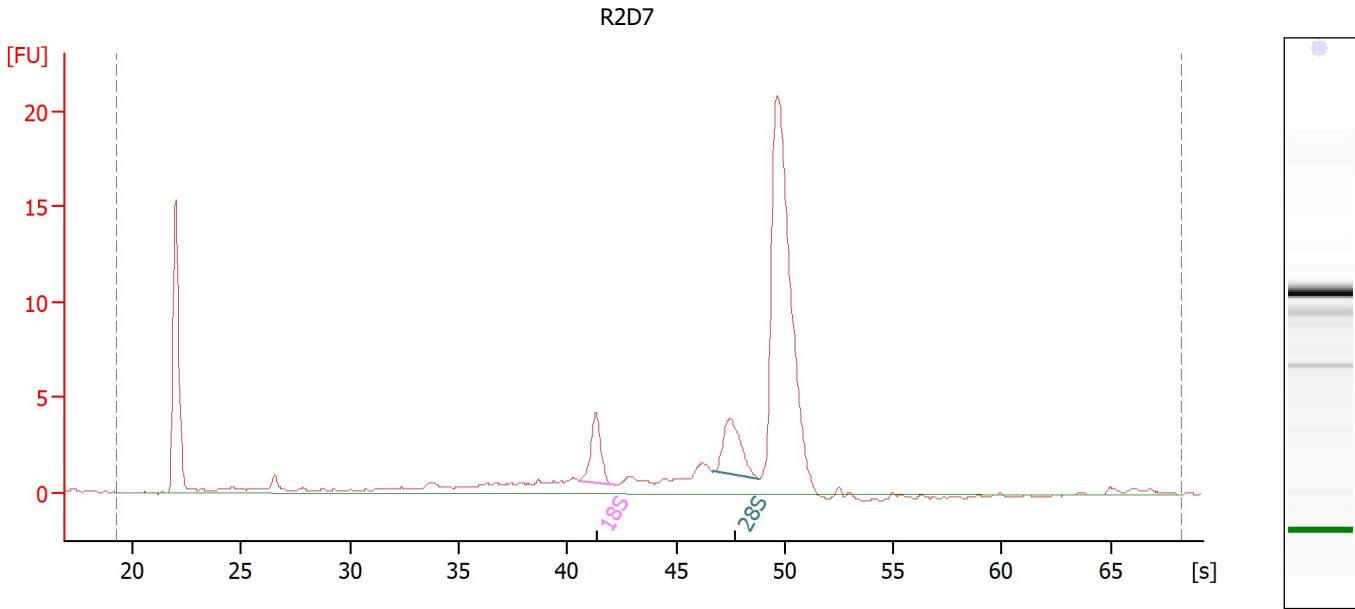
Fragment table for sample 3 : R2D3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.61	42.55	2.6	8.7
28S	47.09	49.19	2.6	8.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : R2D7

RNA Area:	86.1	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	460 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 5.90

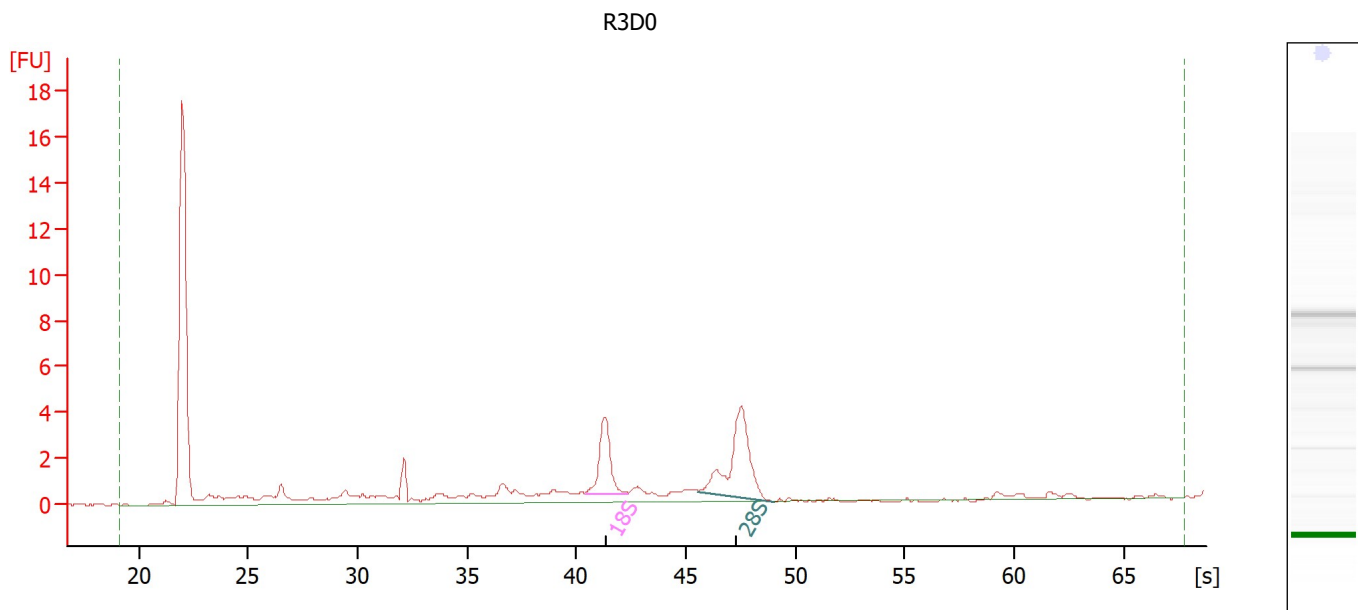
Fragment table for sample 4 : R2D7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.49	42.27	4.7	5.5
28S	46.72	48.80	5.8	6.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : R3D0

RNA Area:	42.3	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	226 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:8

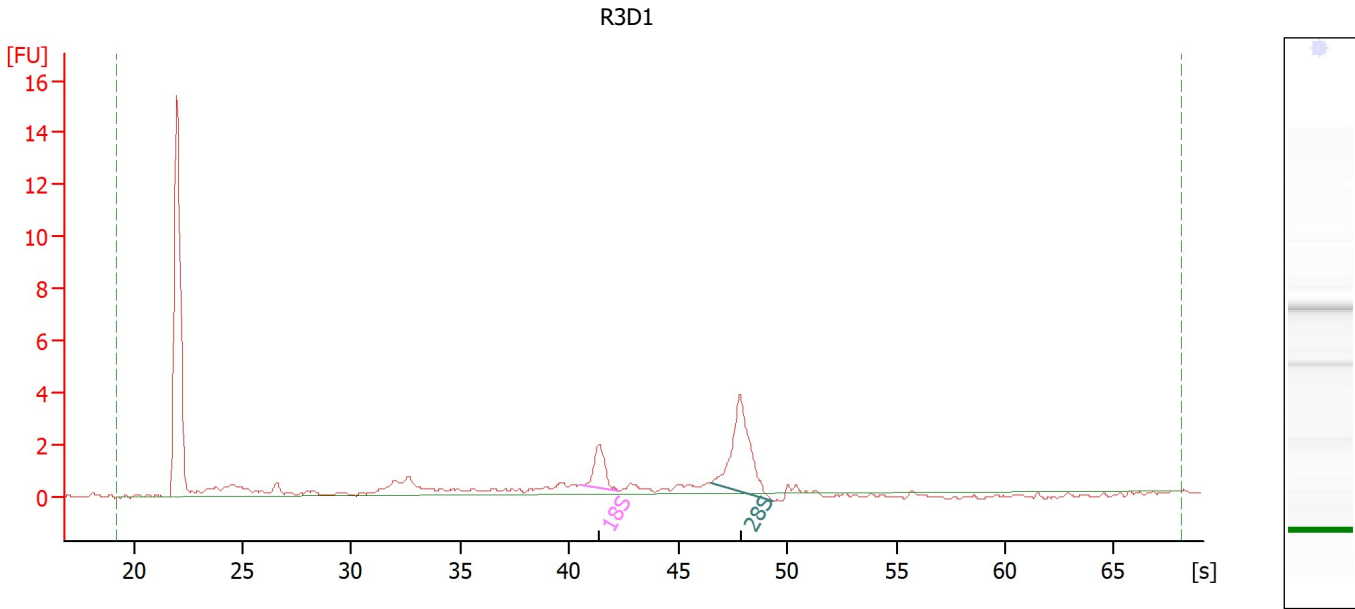
Fragment table for sample 5 : R3D0

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.42	42.38	4.5	10.7
28S	45.57	49.06	8.5	20.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R3D1

RNA Area:	29.3	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	157 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.2	Result Flagging Label:	RIN: 7.60

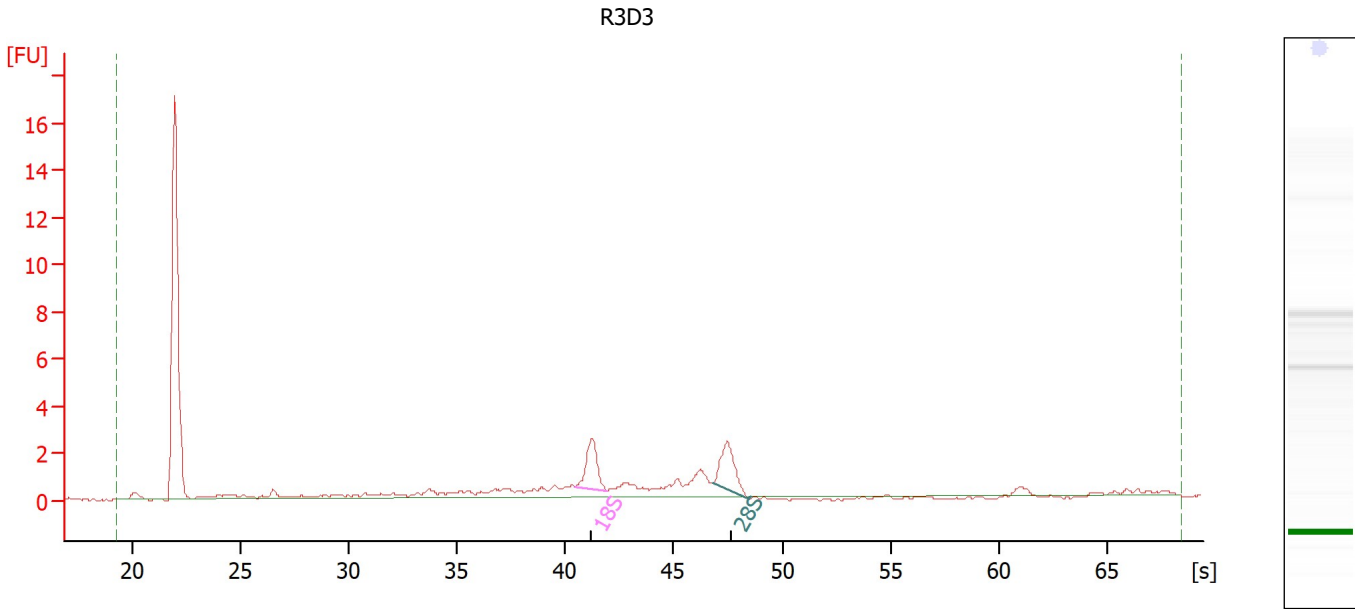
Fragment table for sample 6 : R3D1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.55	42.27	2.4	8.1
28S	46.47	49.33	7.5	25.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : R3D3

RNA Area:	26.4	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	141 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

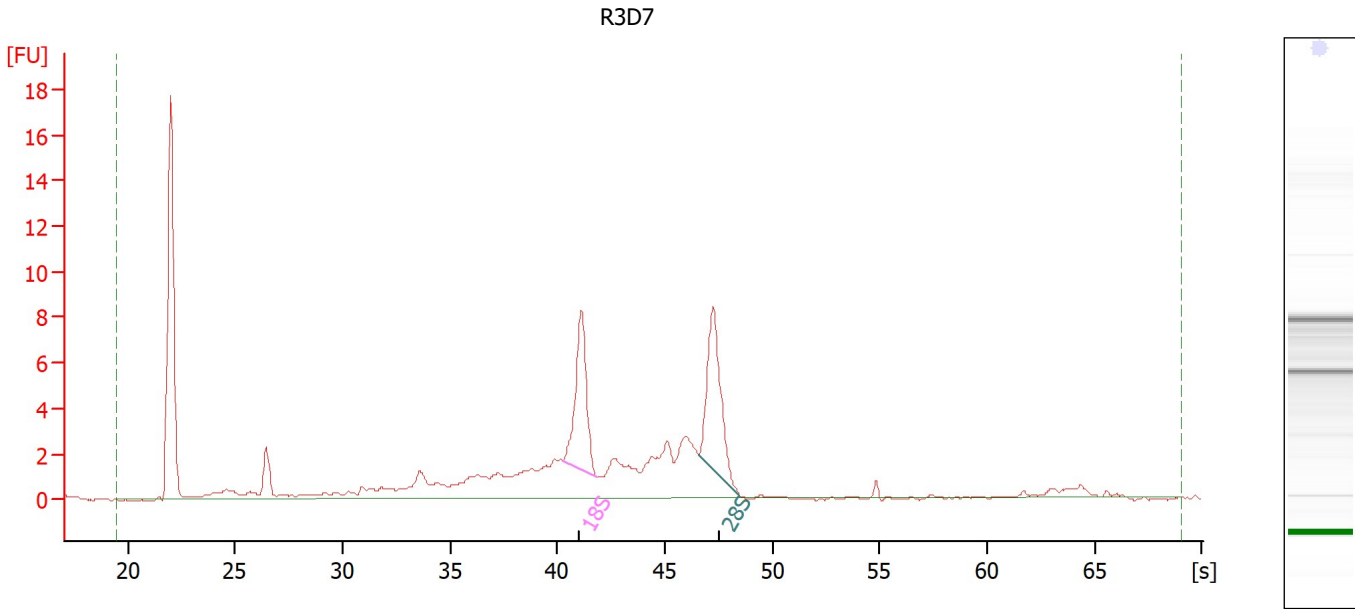
Fragment table for sample 7 : R3D3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.43	41.92	3.0	11.2
28S	46.77	48.46	3.2	12.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : R3D7

RNA Area:	81.5	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	435 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

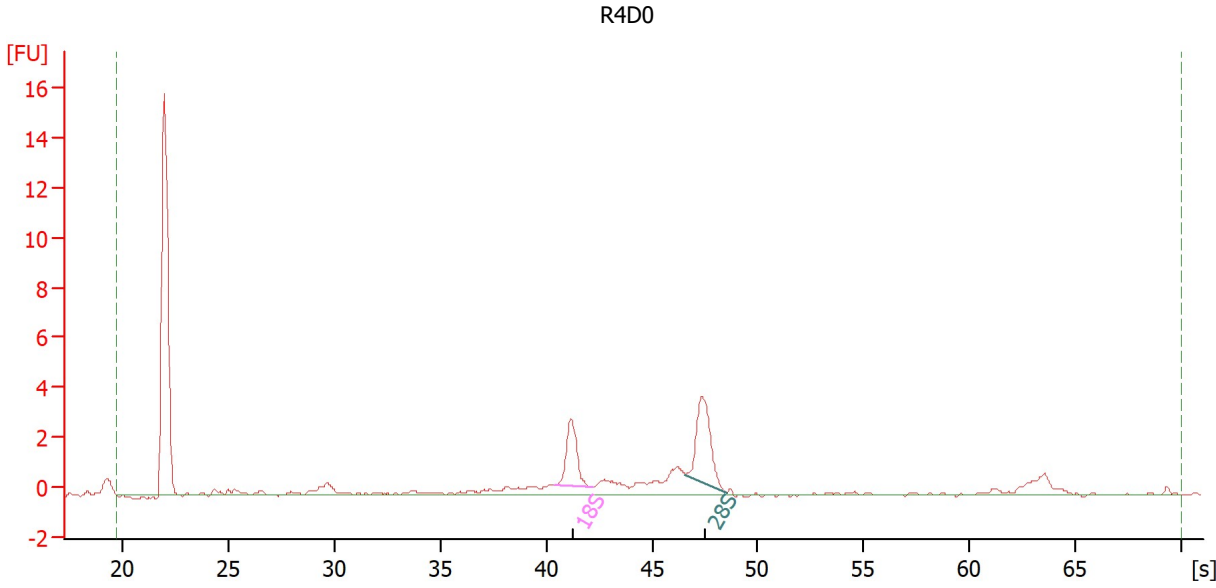
Fragment table for sample 8 : R3D7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.20	41.80	10.1	12.4
28S	46.55	48.45	11.0	13.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : R4D0

RNA Area:	26.6	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	142 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:8

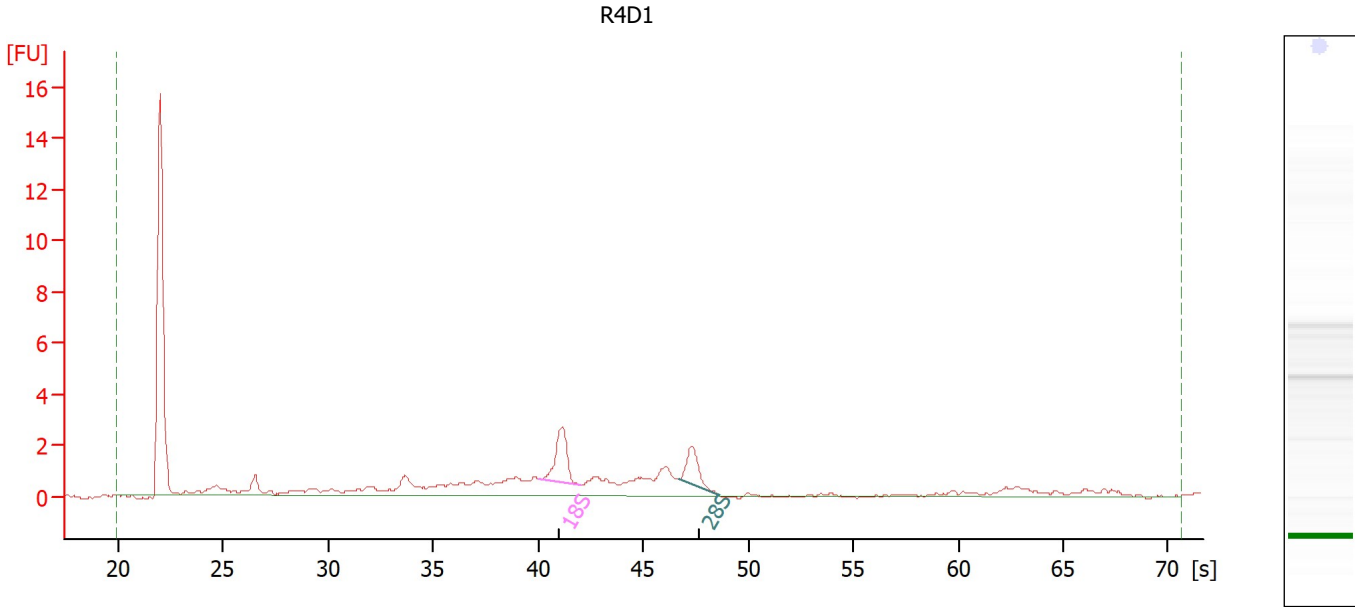
Fragment table for sample 9 : R4D0

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.40	42.18	3.8	14.2
28S	46.59	48.51	5.5	20.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : R4D1

RNA Area:	34.1	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	182 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN:7

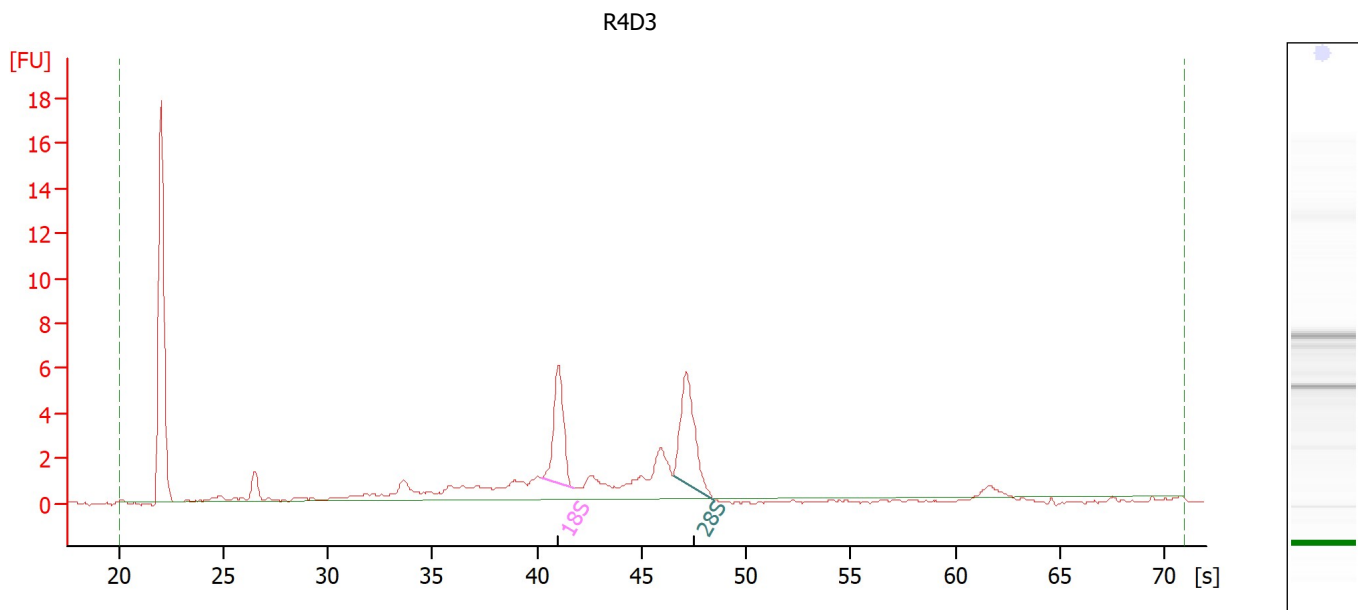
Fragment table for sample 10 : R4D1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.06	42.00	3.3	9.8
28S	46.66	48.60	2.2	6.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
 Modified: 7/8/2020 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : R4D3

RNA Area:	46.2	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	247 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.80

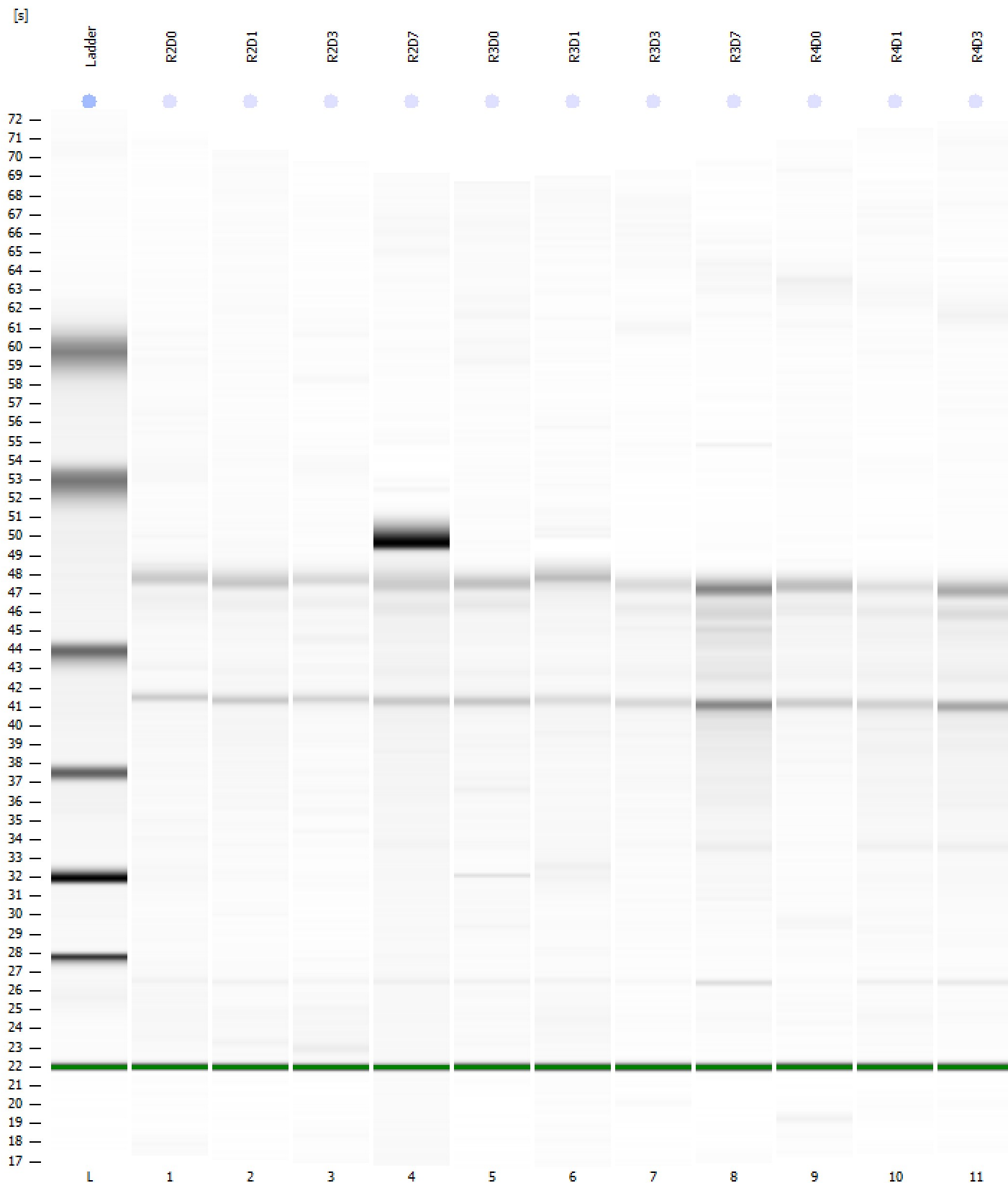
Fragment table for sample 11 : R4D3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.20	41.74	7.1	15.4
28S	46.52	48.42	8.1	17.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad

Created: 7/8/2020 3:36:12 PM
Modified: 7/8/2020 4:07:14 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico Created: 7/8/2020 3:36:12 PM
 Data Path: Z:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-08_001.xad Modified: 7/8/2020 4:07:14 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 3:59:08 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_001.xad)		Instrument	Run		7/8/2020 3:36:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/8/2020 3:36:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/8/2020 3:36:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/8/2020 3:36:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/8/2020 3:36:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/8/2020 3:36:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/8/2020 3:36:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB