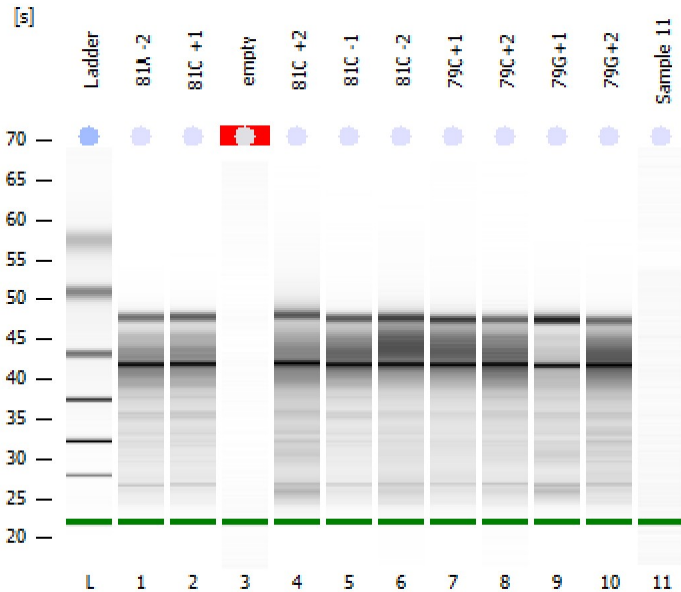


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electrophoresis File Run Summary



Instrument Information:

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

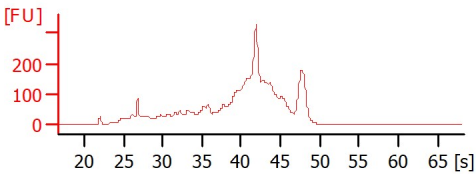
Assay Information:

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.

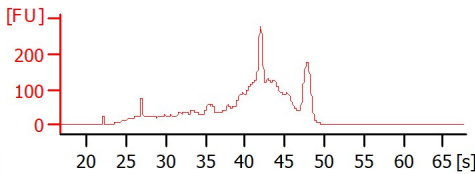
Chip Information:

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

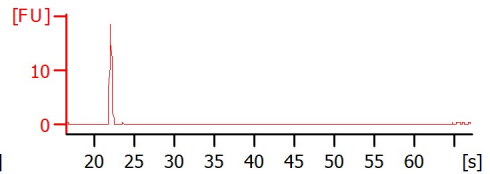
81A -2
 NovaSeq144 #16
 RIN: 7.40



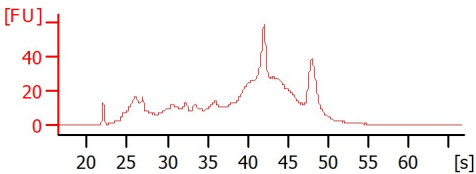
81C +1
 NovaSeq144 #17
 RIN: 6.10



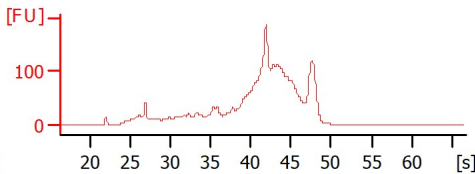
empty
 RIN N/A



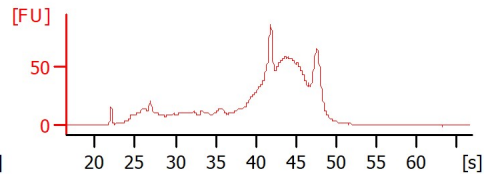
81C +2
 NovaSeq144 #18
 RIN: 5.60



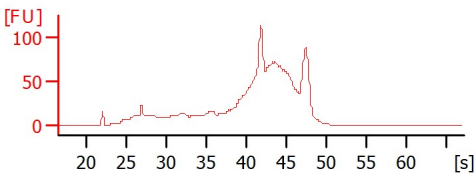
81C -1
 NovaSeq144 #19
 RIN: 5.20



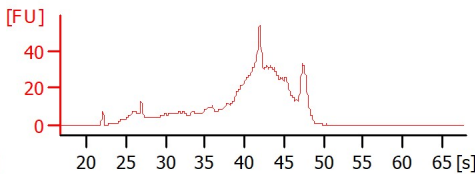
81C -2
 NovaSeq144 #20
 RIN: 4.30



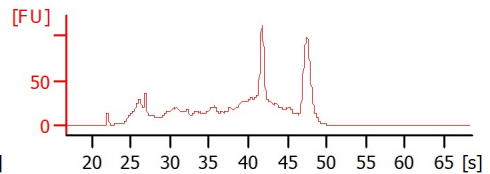
79C+1
 NovaSeq144 #21
 RIN: 4.70



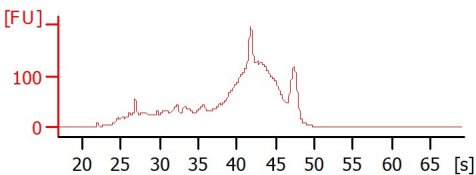
79C+2
 NovaSeq144 #22
 RIN: 4.90



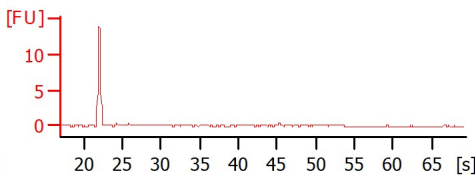
79G+1
 NovaSeq144 #23
 RIN: 7.10



79G+2
 NovaSeq144 #24
 RIN: 4.50



Sample 11
 na
 RIN: 1.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
81A -2	NovaSeq144 #16	✓	RIN: 7.40	
81C +1	NovaSeq144 #17	✓	RIN: 6.10	
empty		✓	RIN N/A	
81C +2	NovaSeq144 #18	✓	RIN: 5.60	
81C -1	NovaSeq144 #19	✓	RIN: 5.20	
81C -2	NovaSeq144 #20	✓	RIN: 4.30	
79C+1	NovaSeq144 #21	✓	RIN: 4.70	
79C+2	NovaSeq144 #22	✓	RIN: 4.90	
79G+1	NovaSeq144 #23	✓	RIN: 7.10	
79G+2	NovaSeq144 #24	✓	RIN: 4.50	
Sample 11	na	✓	RIN: 1.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 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

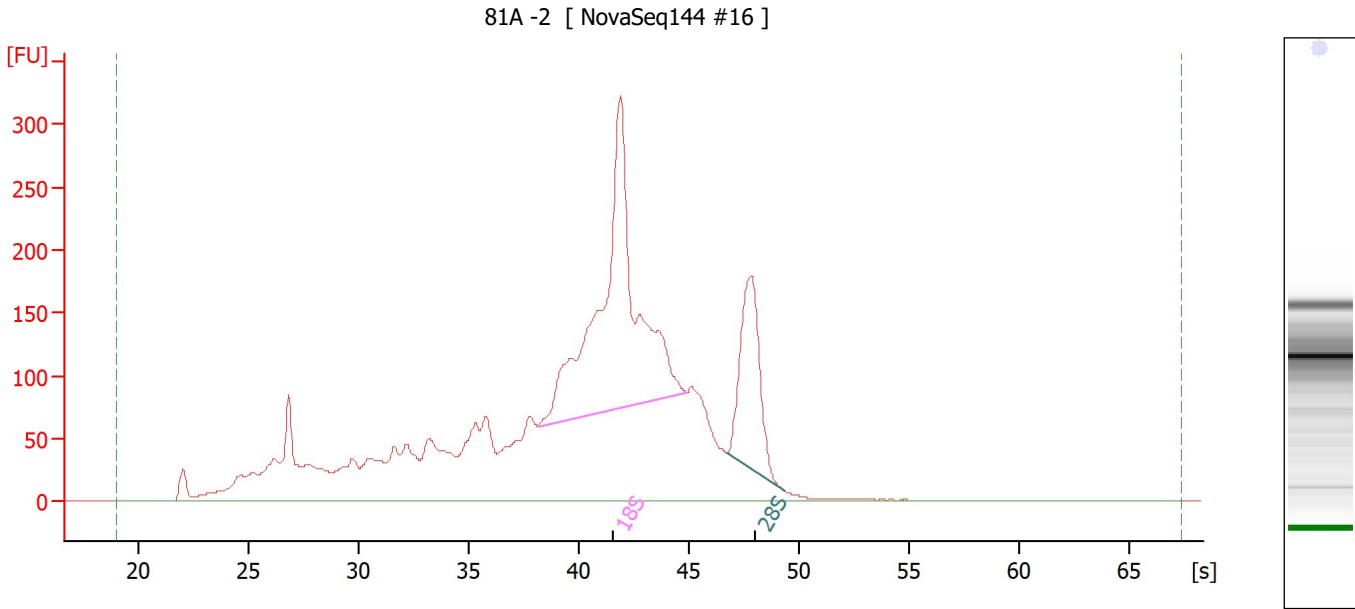
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary



Overall Results for sample 1 : 81A -2

RNA Area:	4,650.1	RNA Integrity Number (RIN):	7.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	21,585 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 7.40

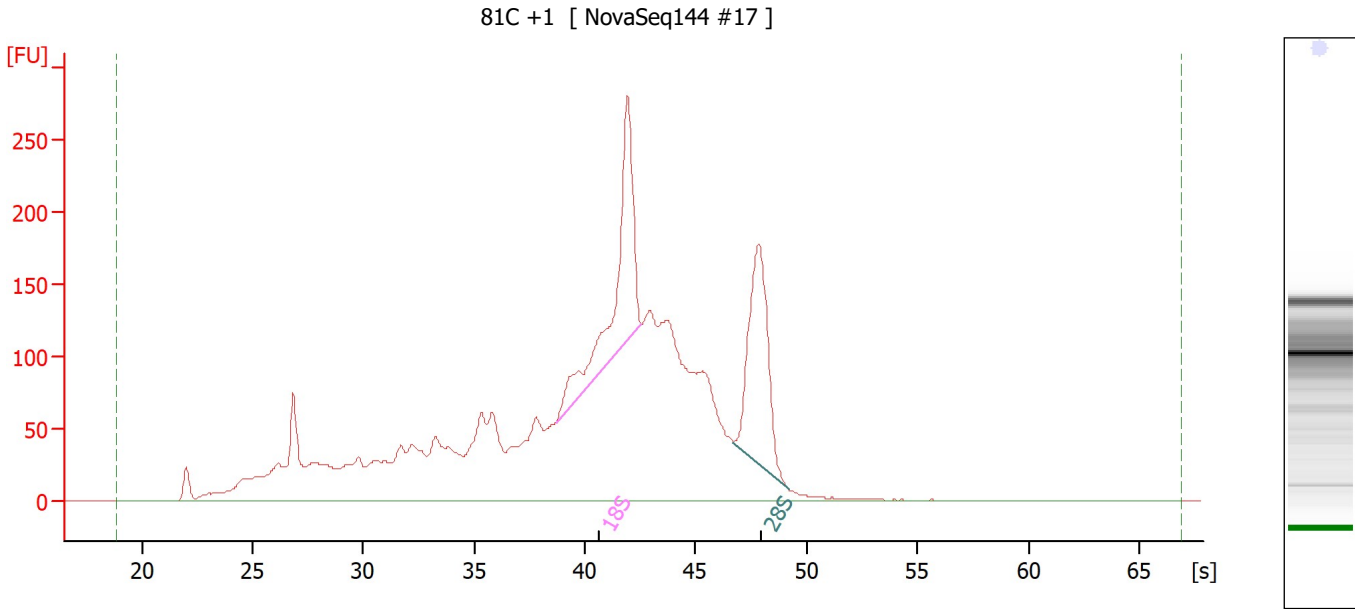
Fragment table for sample 1 : 81A -2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.15	44.88	1,030.0	22.2
28S	46.73	49.37	329.6	7.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 81C +1

RNA Area:	4,097.5	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	19,020 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.10

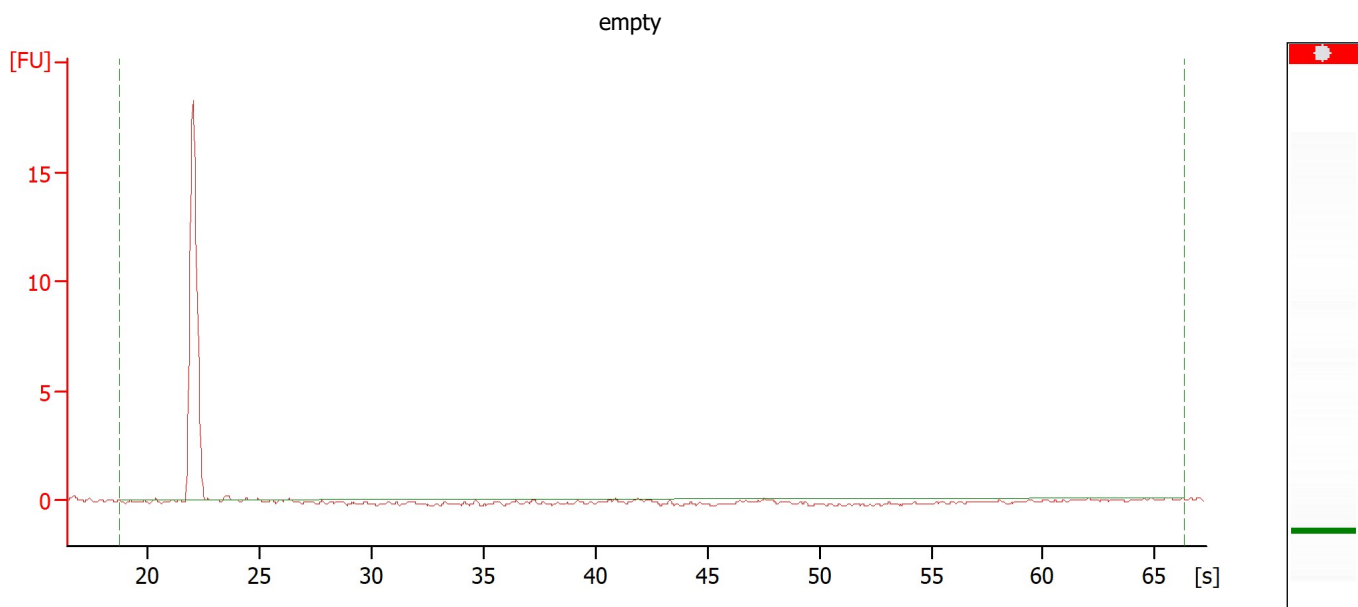
Fragment table for sample 2 : 81C +1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.72	42.55	359.8	8.8
28S	46.71	49.19	317.0	7.7

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



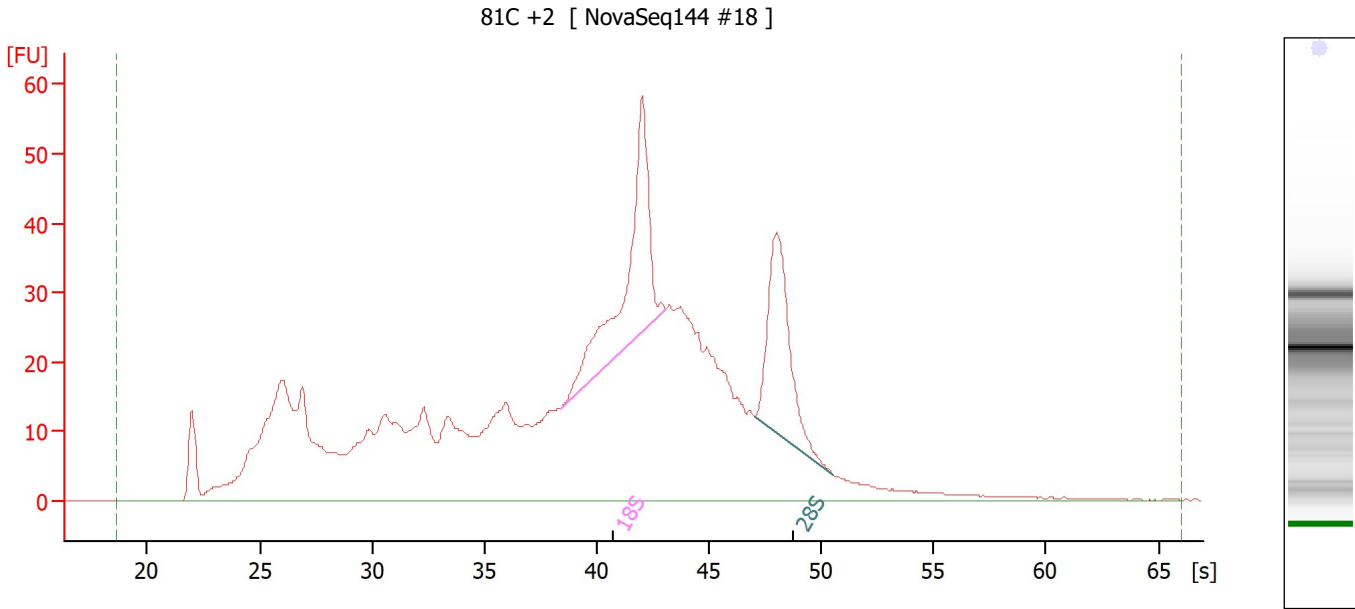
Overall Results for sample 3 : empty

RNA Area:	0.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	2 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 81C +2

RNA Area: 1,160.5 RNA Integrity Number (RIN): 5.6 (B.02.10)
RNA Concentration: 5,387 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 5.60

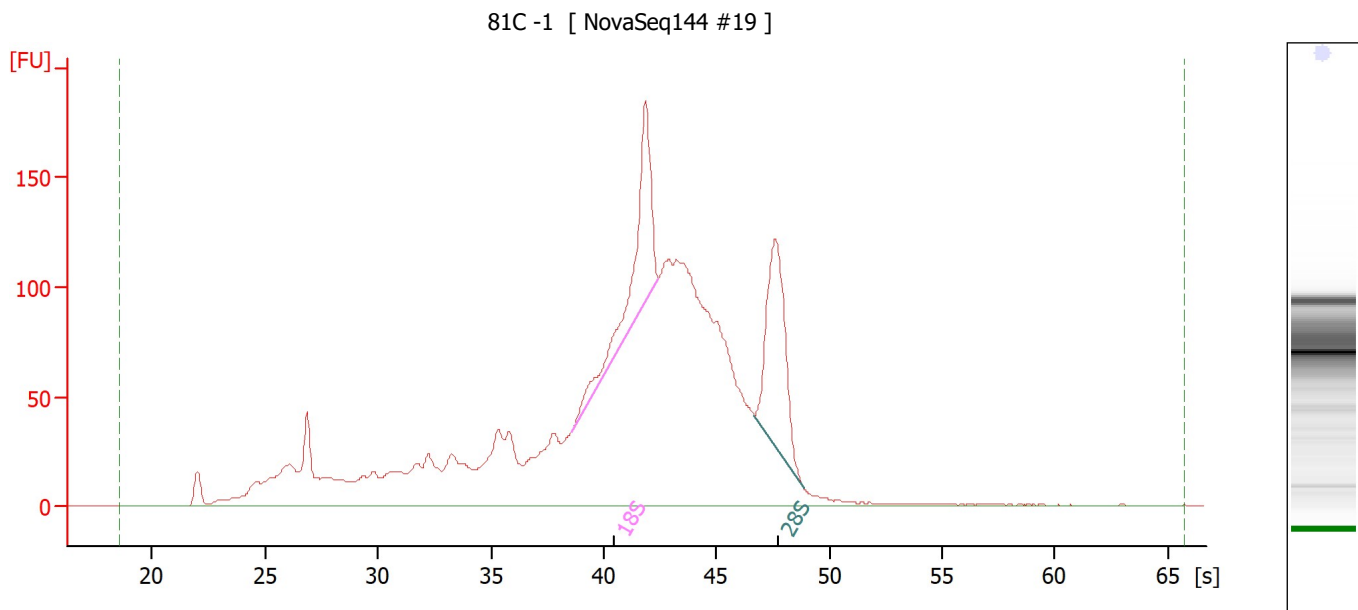
Fragment table for sample 4 : 81C +2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.40	43.04	89.6	7.7
28S	47.06	50.55	67.1	5.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 81C-1

RNA Area:	2,833.9	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	13,154 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 5.20

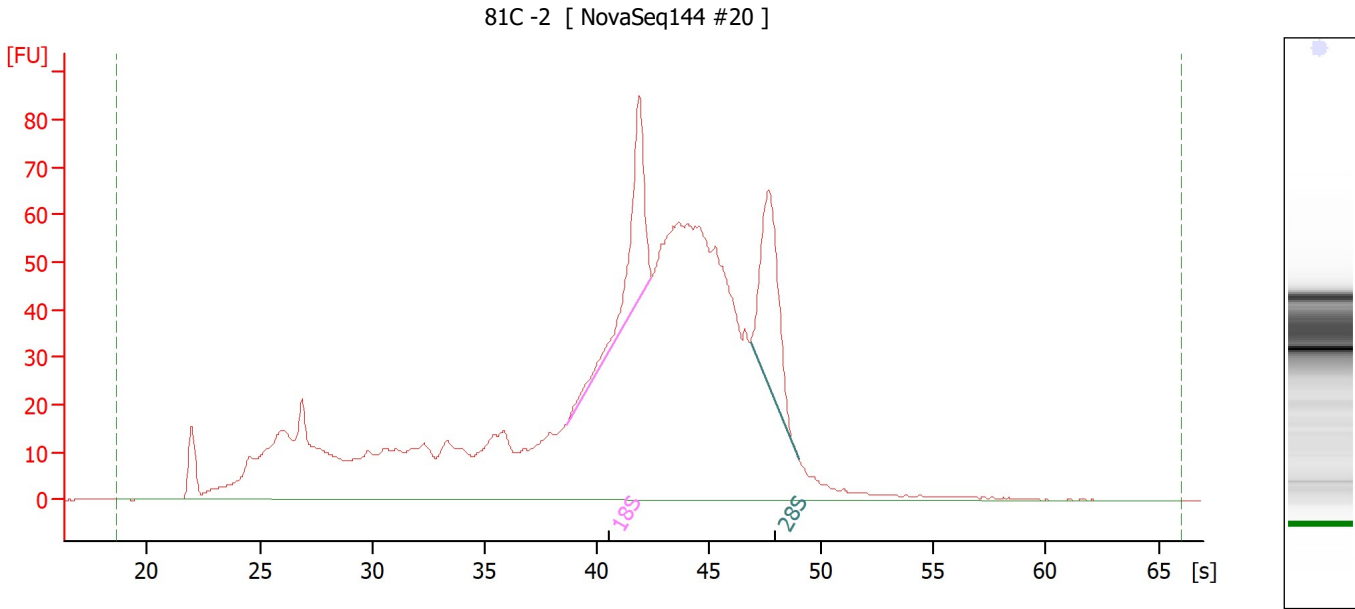
Fragment table for sample 5 : 81C-1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.62	42.43	179.5	6.3
28S	46.67	48.86	190.7	6.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 81C-2

RNA Area:	1,606.4	RNA Integrity Number (RIN):	4.3 (B.02.10)
RNA Concentration:	7,456 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 4.30

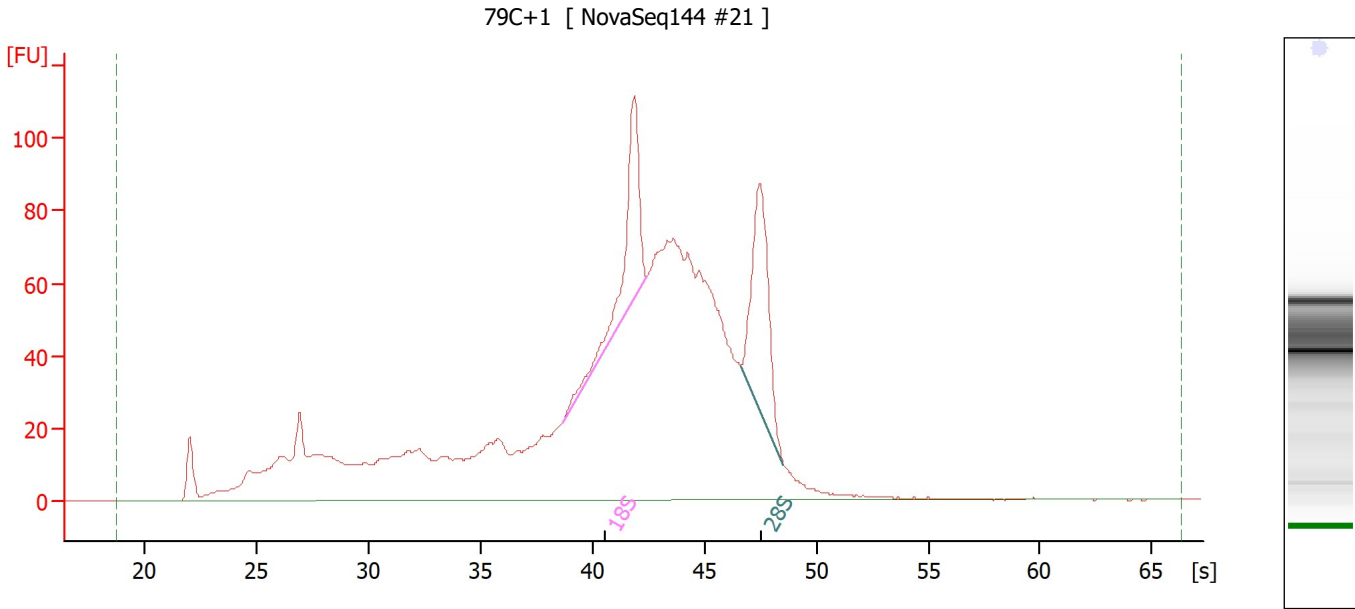
Fragment table for sample 6 : 81C-2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.64	42.42	72.0	4.5
28S	46.82	48.97	81.1	5.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 79C+1

RNA Area:	1,867.4	RNA Integrity Number (RIN):	4.7 (B.02.10)
RNA Concentration:	8,668 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 4.70

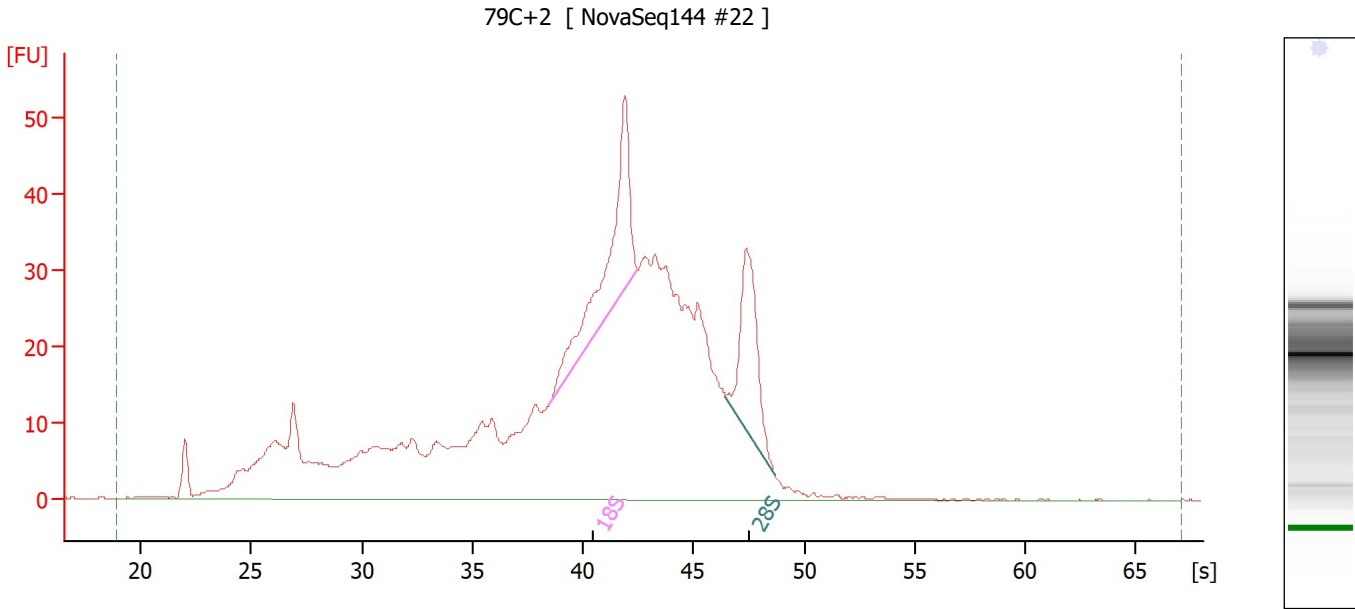
Fragment table for sample 7 : 79C+1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.62	42.41	91.4	4.9
28S	46.59	48.52	113.0	6.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 79C+2

RNA Area:	914.4	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	4,244 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 4.90

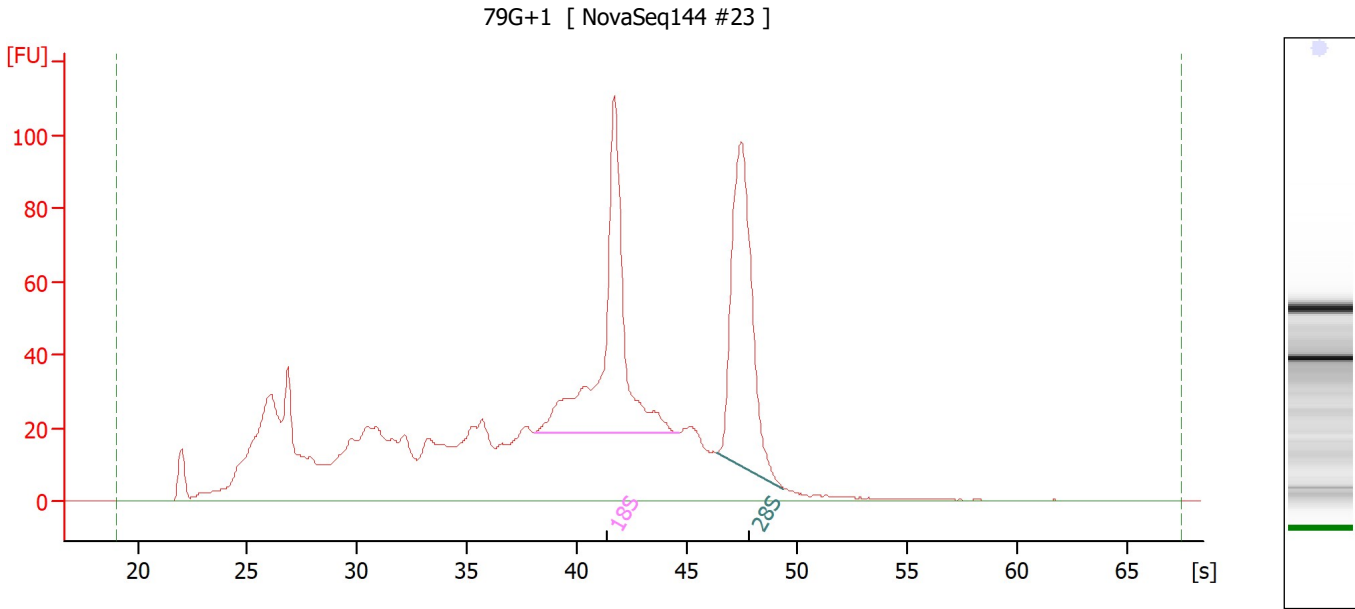
Fragment table for sample 8 : 79C+2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.46	42.45	64.9	7.1
28S	46.43	48.66	44.9	4.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 79G+1

RNA Area:	1,643.7	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	7,630 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.10

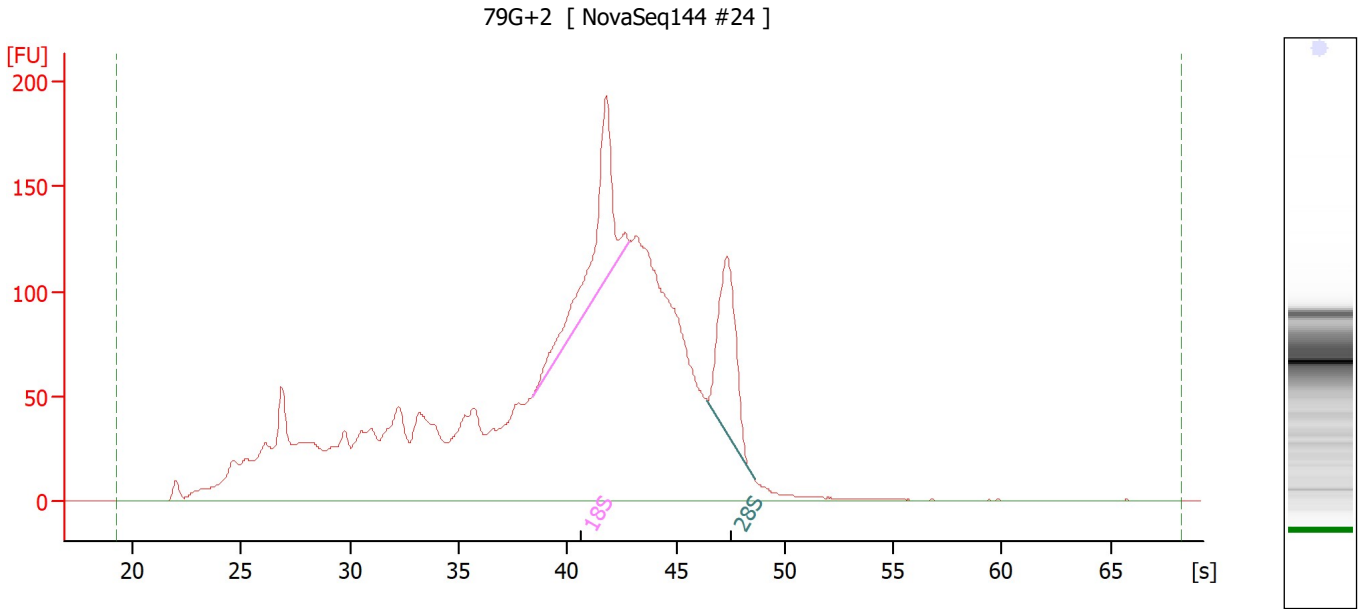
Fragment table for sample 9 : 79G+1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.08	44.59	234.9	14.3
28S	46.40	49.38	198.8	12.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 79G+2

RNA Area:	3,707.0	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	17,207 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 4.50

Fragment table for sample 10 : 79G+2

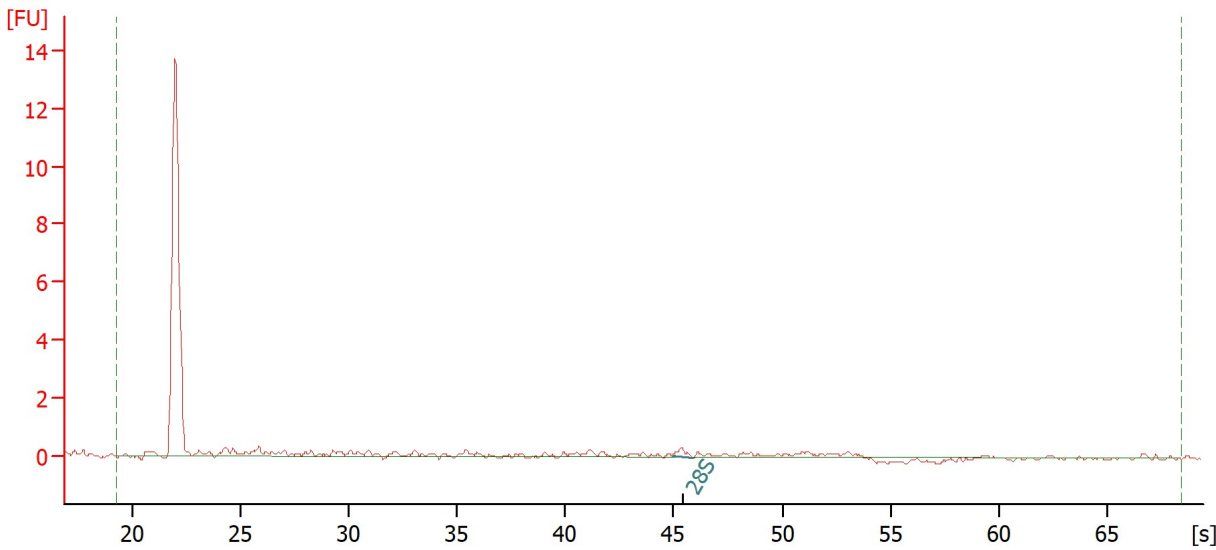
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.36	42.86	208.8	5.6
28S	46.42	48.60	168.3	4.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 PM

Electropherogram Summary Continued ...

Sample 11 [na]



Overall Results for sample 11 : Sample 11

RNA Area:	10.0	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	46 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

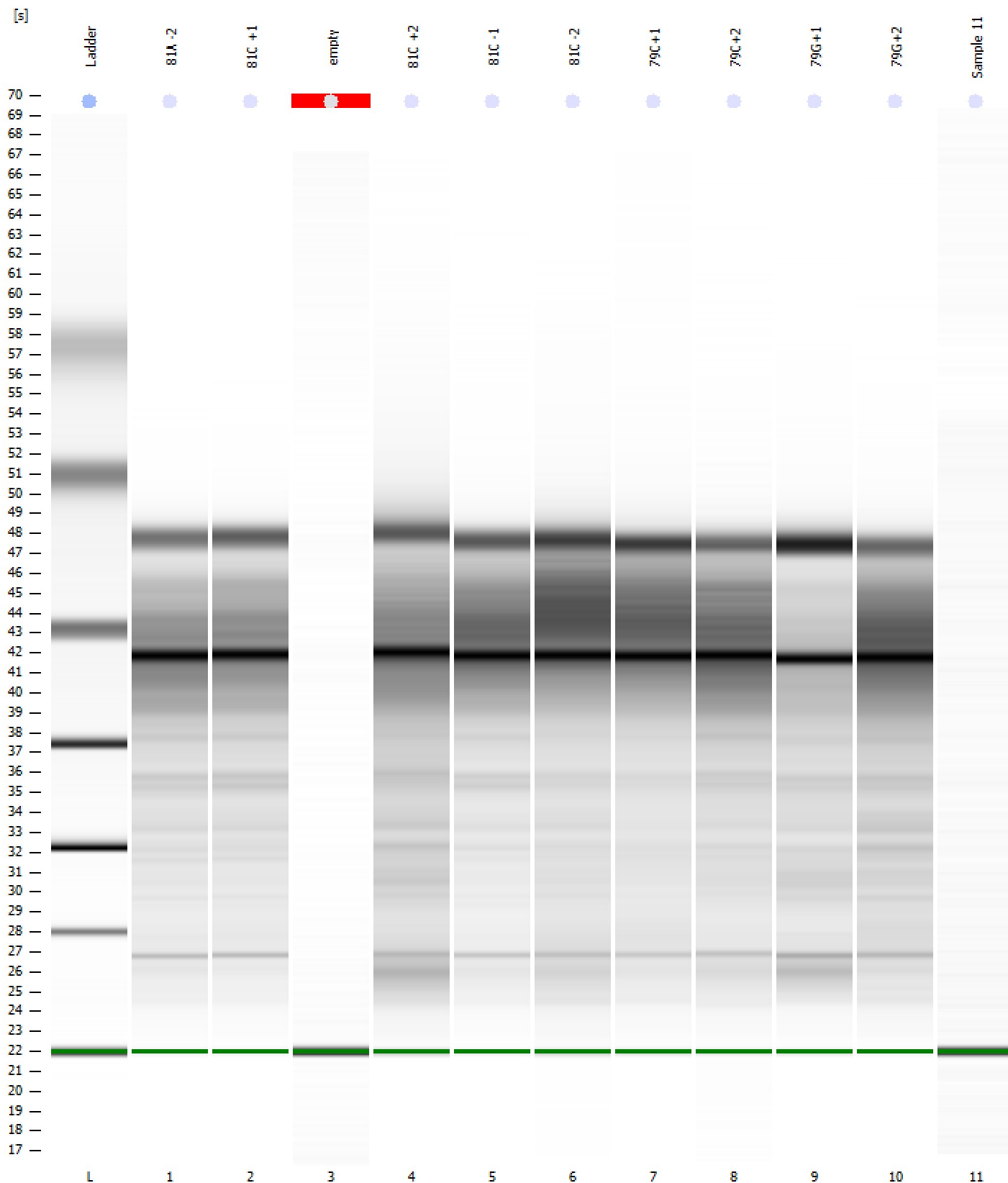
Fragment table for sample 11 : Sample 11

Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	44.94	45.88	0.3	2.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
Modified: 12/20/2019 2:56:15 PM

Gel Image

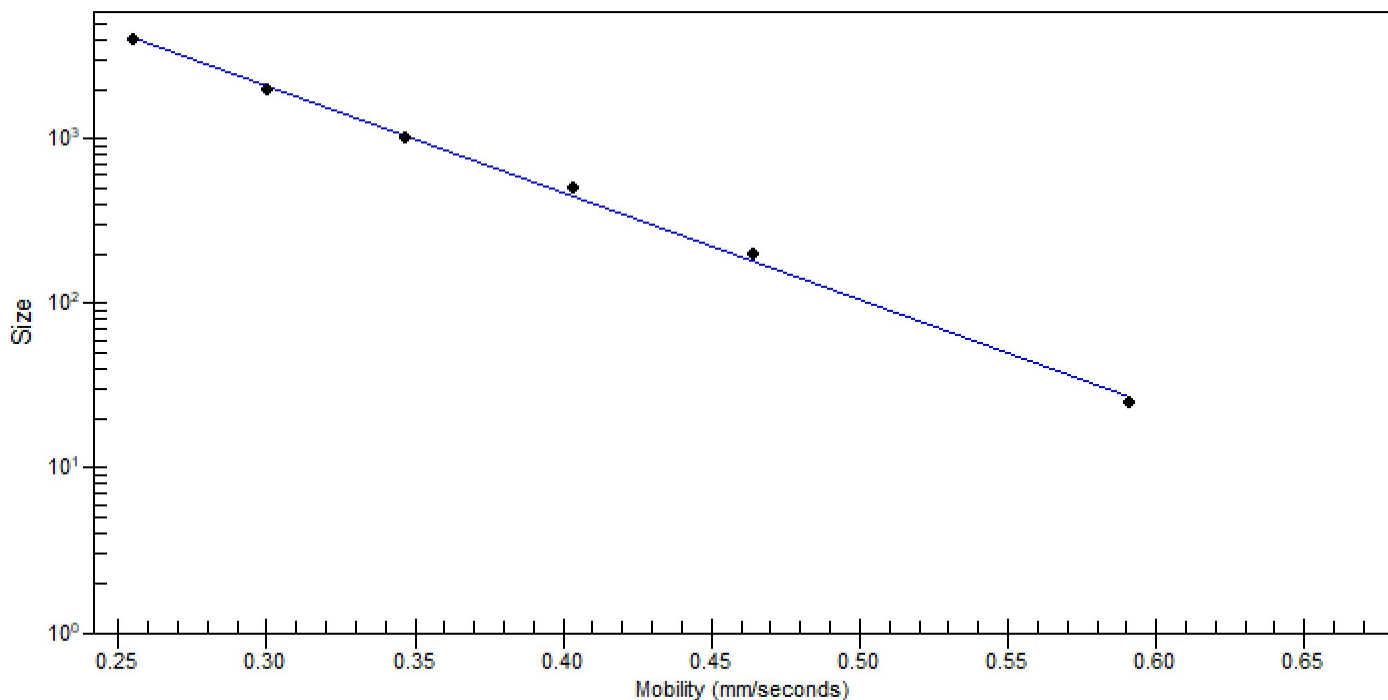


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
Modified: 12/20/2019 2:56:15 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...20\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-20_003.xad

Created: 12/20/2019 2:20:50 PM
 Modified: 12/20/2019 2:56:15 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		12/20/2019 2:42:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-20\Bioanalyze r1_Eukaryote Total RNA Pico_2019-12-20_003.xad)		Instrument	Run		12/20/2019 2:20:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/20/2019 2:20:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/20/2019 2:20:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/20/2019 2:20:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/20/2019 2:20:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/20/2019 2:20:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/20/2019 2:20:55 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB