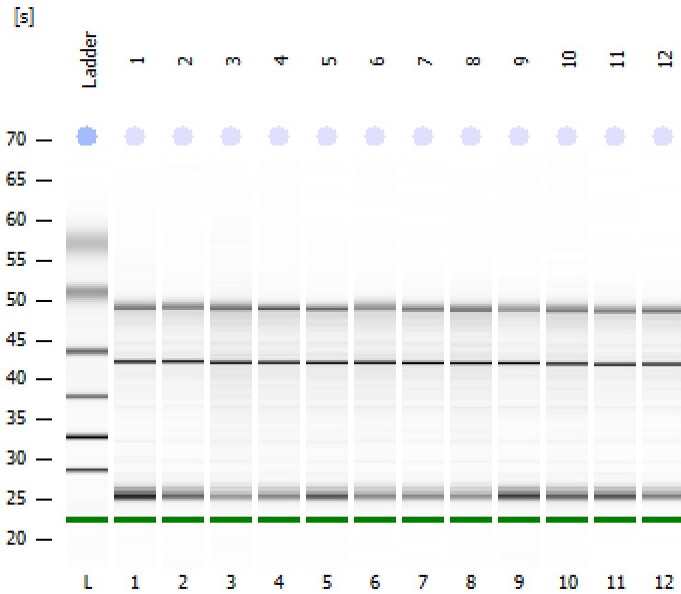


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
Modified: 6/29/2020 2:28:27 PM

Electrophoresis File Run Summary



Instrument Information:

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

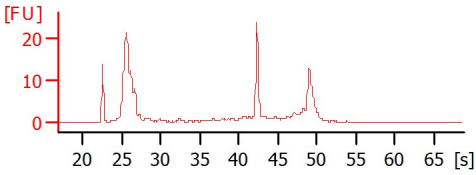
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

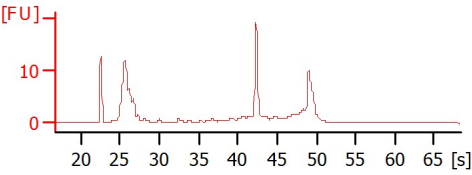
Chip Information:

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

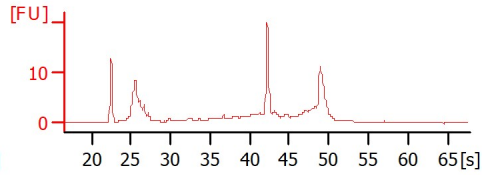
1
NovaSeq217 TotRNA
RIN: 8.10



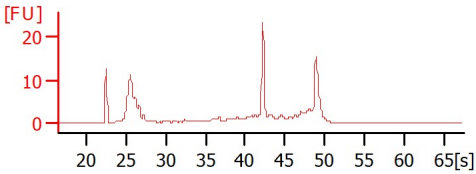
2
NovaSeq217 TotRNA
RIN: 8.40



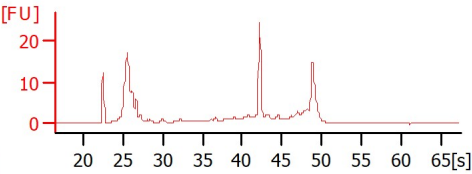
3
NovaSeq217 TotRNA
RIN: 7.80



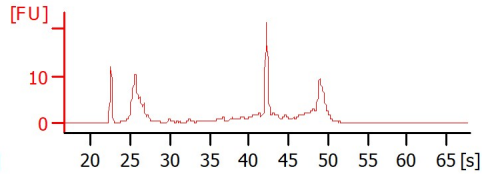
4
NovaSeq217 TotRNA
RIN: 7.80



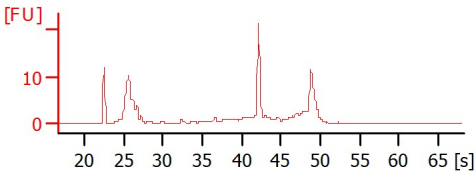
5
NovaSeq217 TotRNA
RIN: 7.60



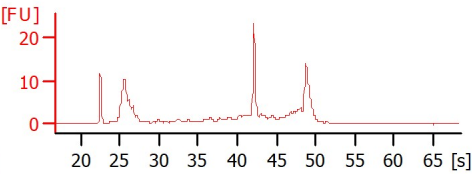
6
NovaSeq217 TotRNA
RIN: 8



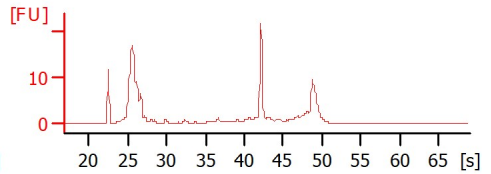
7
NovaSeq217 TotRNA
RIN: 8.50



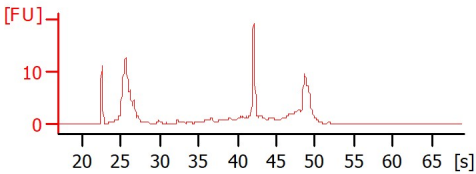
8
NovaSeq217 TotRNA
RIN: 7.70



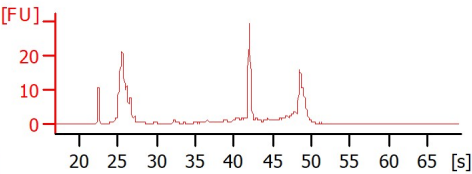
9
NovaSeq217 TotRNA
RIN: 8.40



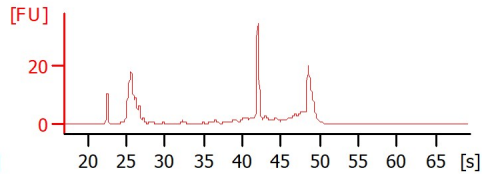
10
NovaSeq217 TotRNA
RIN: 7.40



11
NovaSeq217 TotRNA
RIN: 7.80



12
NovaSeq217 TotRNA
RIN: 8.40



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	NovaSeq217 TotRNA	✓	RIN: 8.10	
2	NovaSeq217 TotRNA	✓	RIN: 8.40	
3	NovaSeq217 TotRNA	✓	RIN: 7.80	
4	NovaSeq217 TotRNA	✓	RIN: 7.80	
5	NovaSeq217 TotRNA	✓	RIN: 7.60	
6	NovaSeq217 TotRNA	✓	RIN:8	
7	NovaSeq217 TotRNA	✓	RIN: 8.50	
8	NovaSeq217 TotRNA	✓	RIN: 7.70	
9	NovaSeq217 TotRNA	✓	RIN: 8.40	
10	NovaSeq217 TotRNA	✓	RIN: 7.40	
11	NovaSeq217 TotRNA	✓	RIN: 7.80	
12	NovaSeq217 TotRNA	✓	RIN: 8.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 19
 End Analysis Time Range [s] : 69
 Ladder Concentration [ng/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.5
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

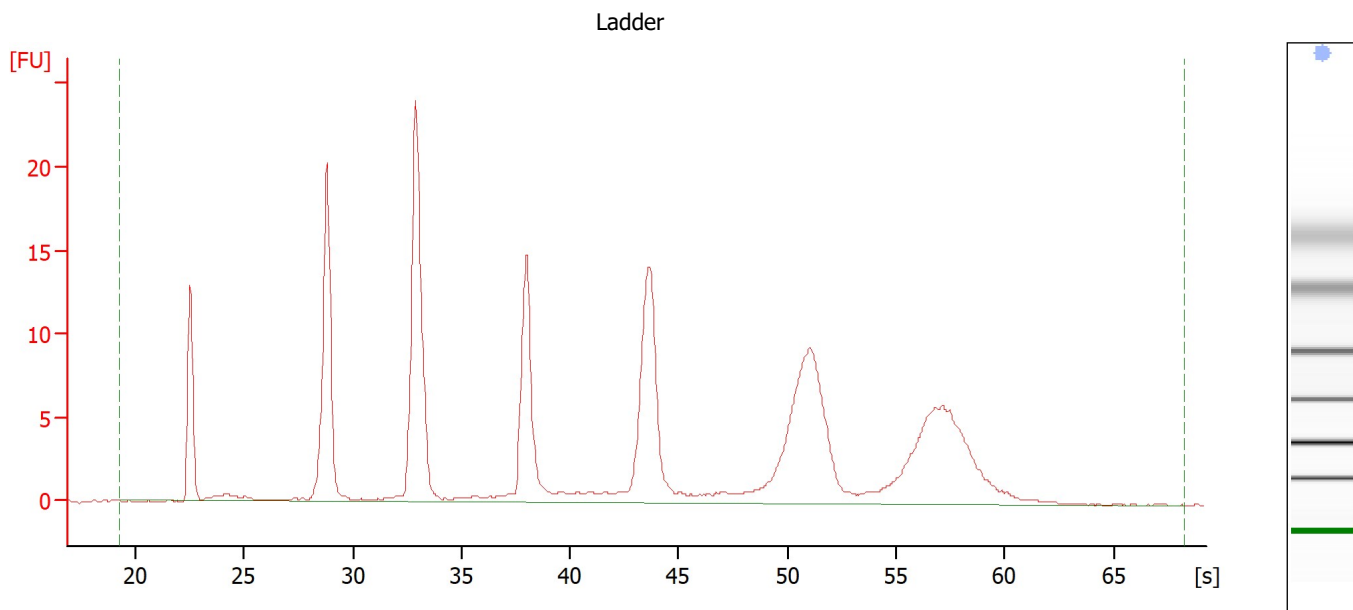
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary



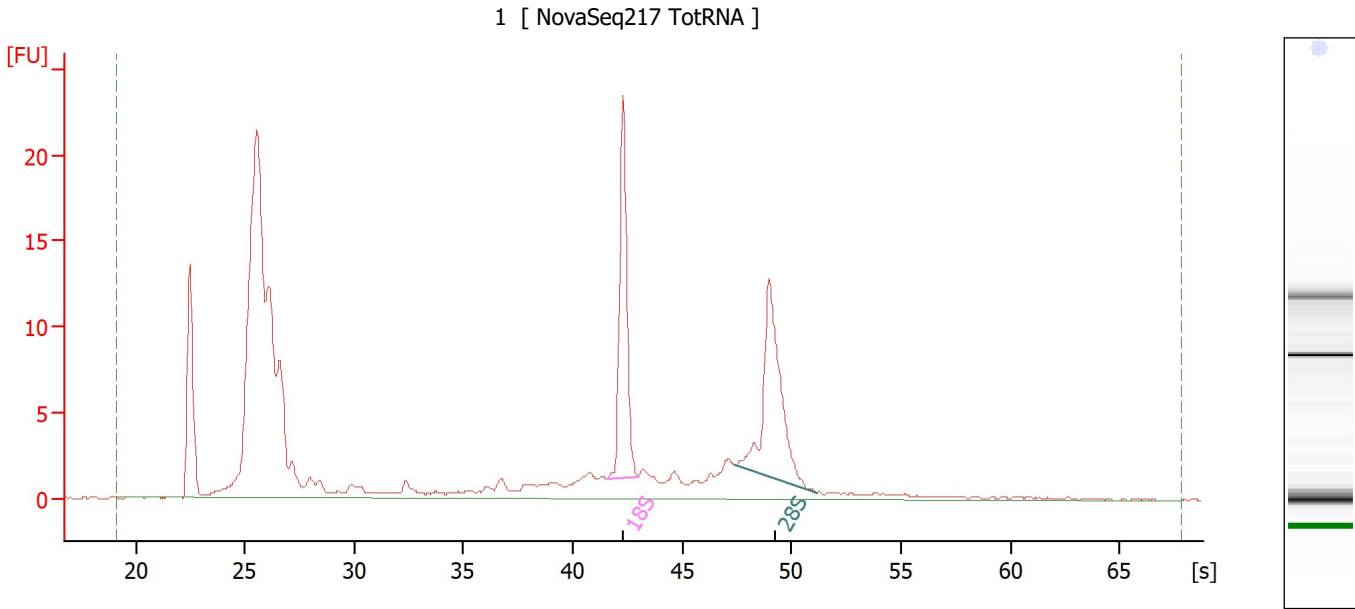
Overall Results for Ladder

RNA Area:	200.7	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1

RNA Area:	199.1	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	149 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.10

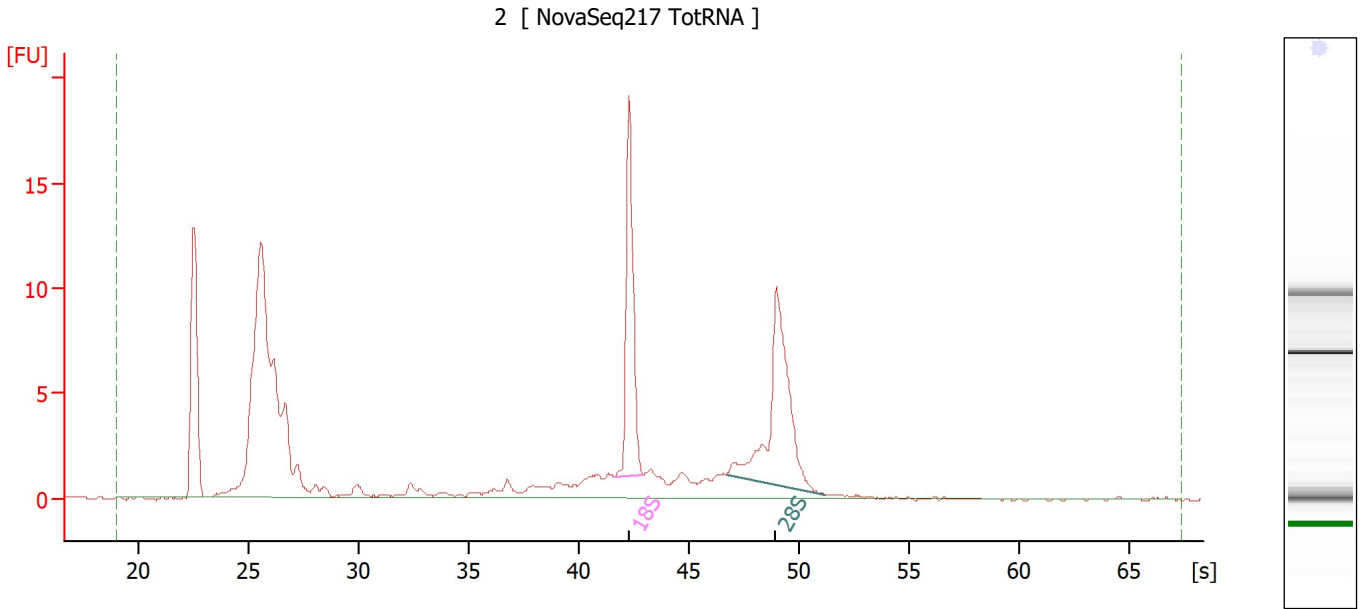
Fragment table for sample 1 : 1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.51	42.99	20.2	10.2
28S	47.41	51.14	20.9	10.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2

RNA Area:	125.6	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	94 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.40

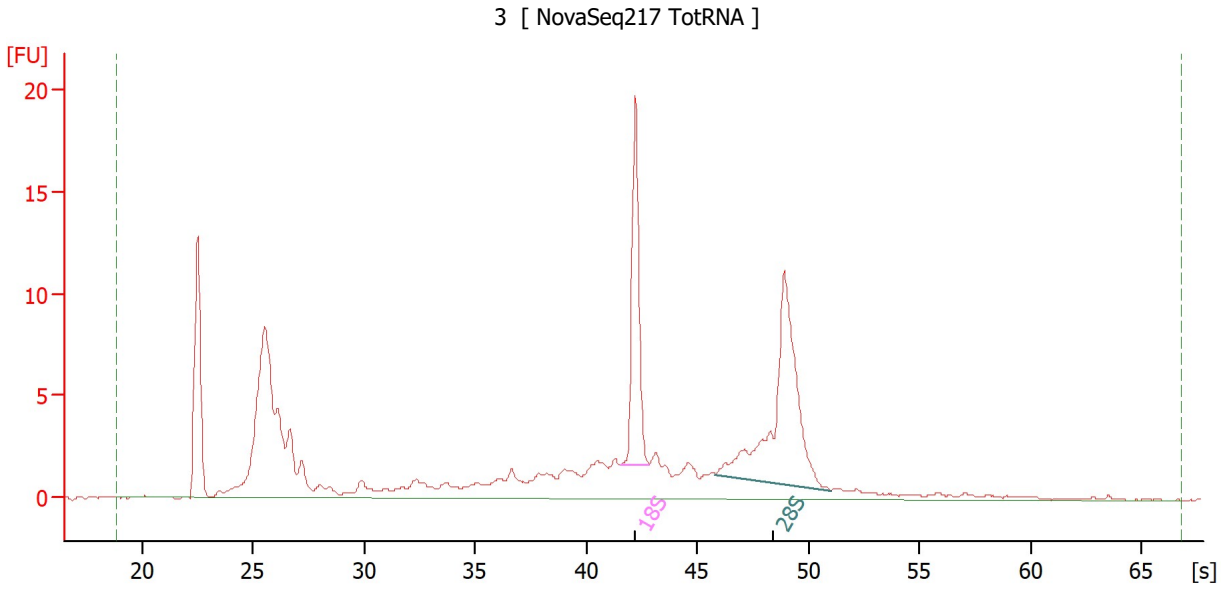
Fragment table for sample 2 : 2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.63	42.95	15.1	12.0
28S	46.71	51.15	19.2	15.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3

RNA Area:	138.9	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	104 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.80

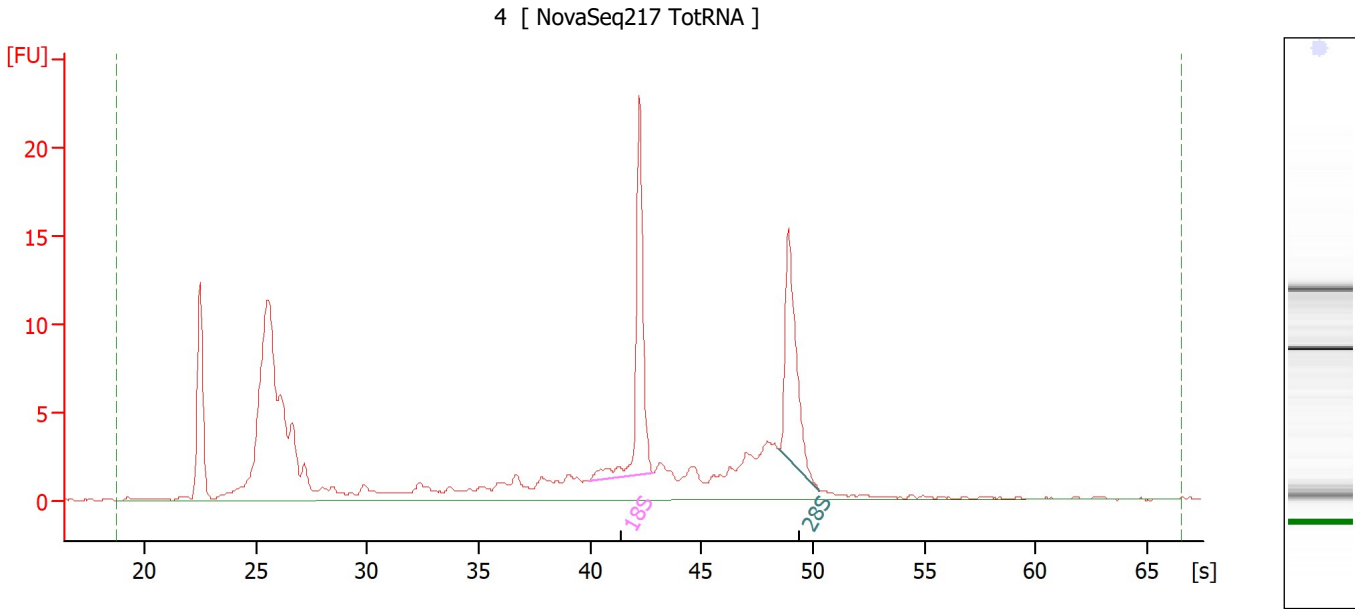
Fragment table for sample 3 : 3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.52	42.82	14.9	10.7
28S	45.82	51.00	25.7	18.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4

RNA Area:	158.4	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	118 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.80

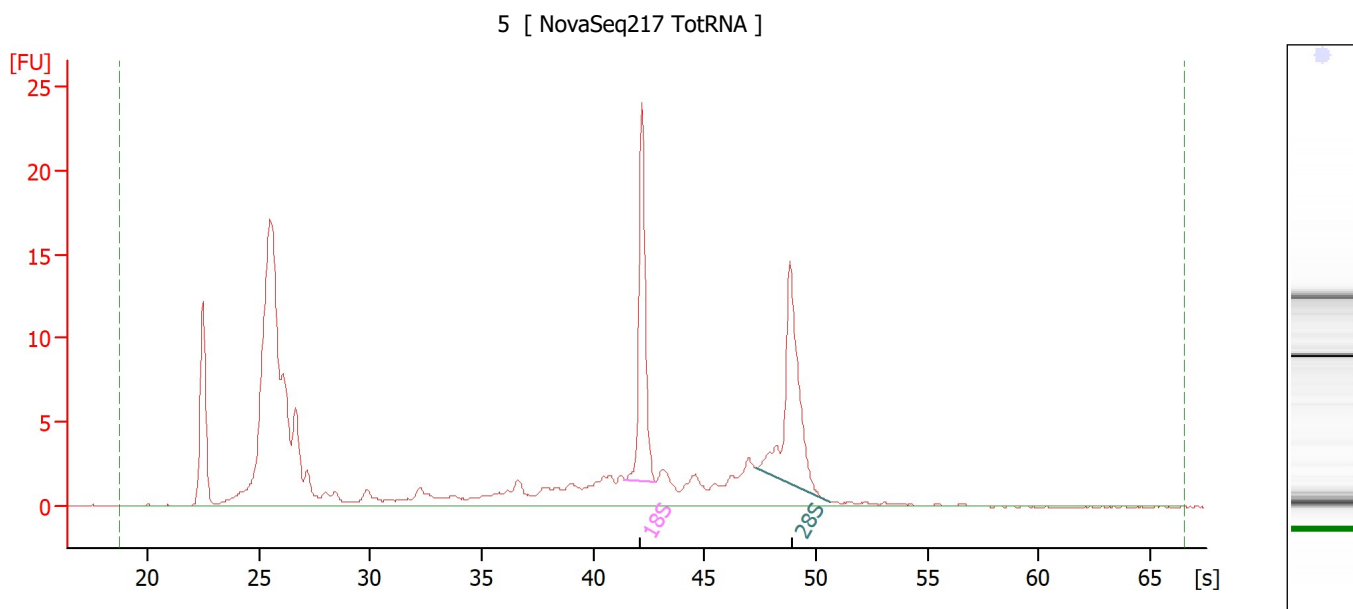
Fragment table for sample 4 : 4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.94	42.83	19.3	12.2
28S	48.47	50.30	14.9	9.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5

RNA Area:	173.4	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	130 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

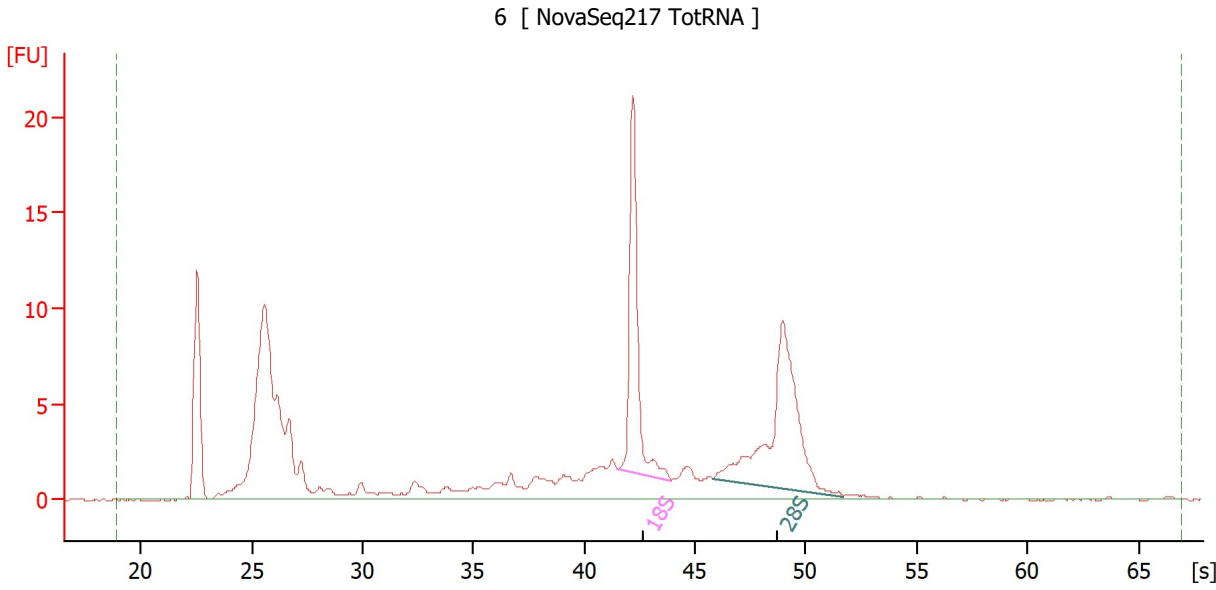
Fragment table for sample 5 : 5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.39	42.78	18.4	10.6
28S	47.26	50.59	19.8	11.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6

RNA Area:	142.4	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	106 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:8

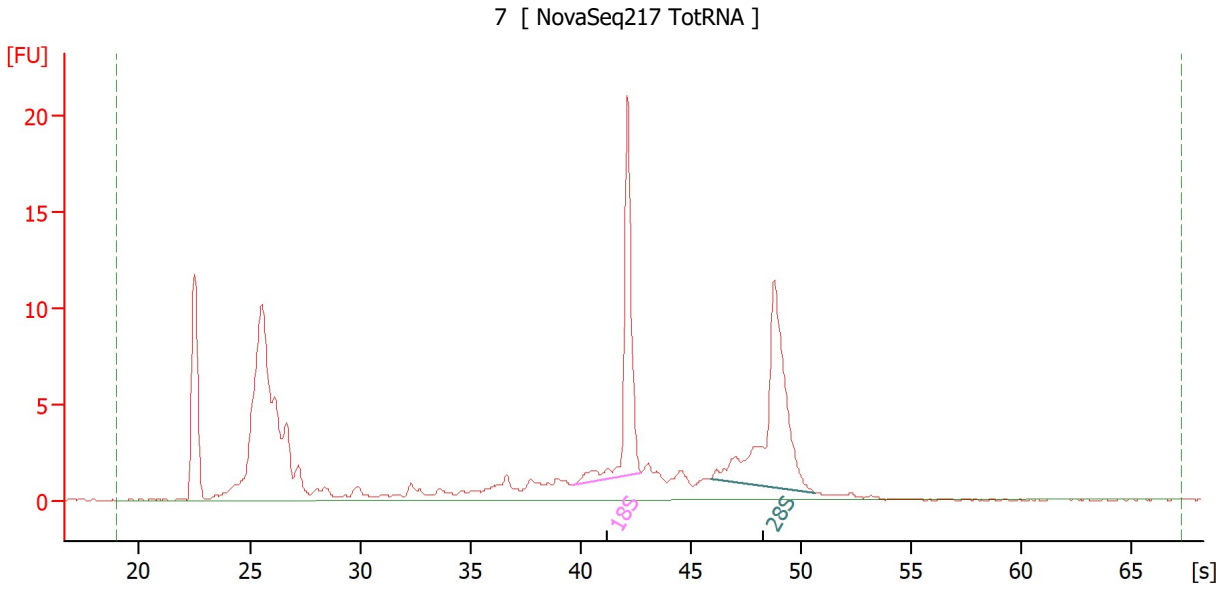
Fragment table for sample 6 : 6

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.51	43.93	18.6	13.1
28S	45.78	51.69	24.7	17.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7

RNA Area:	134.6	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	101 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.50

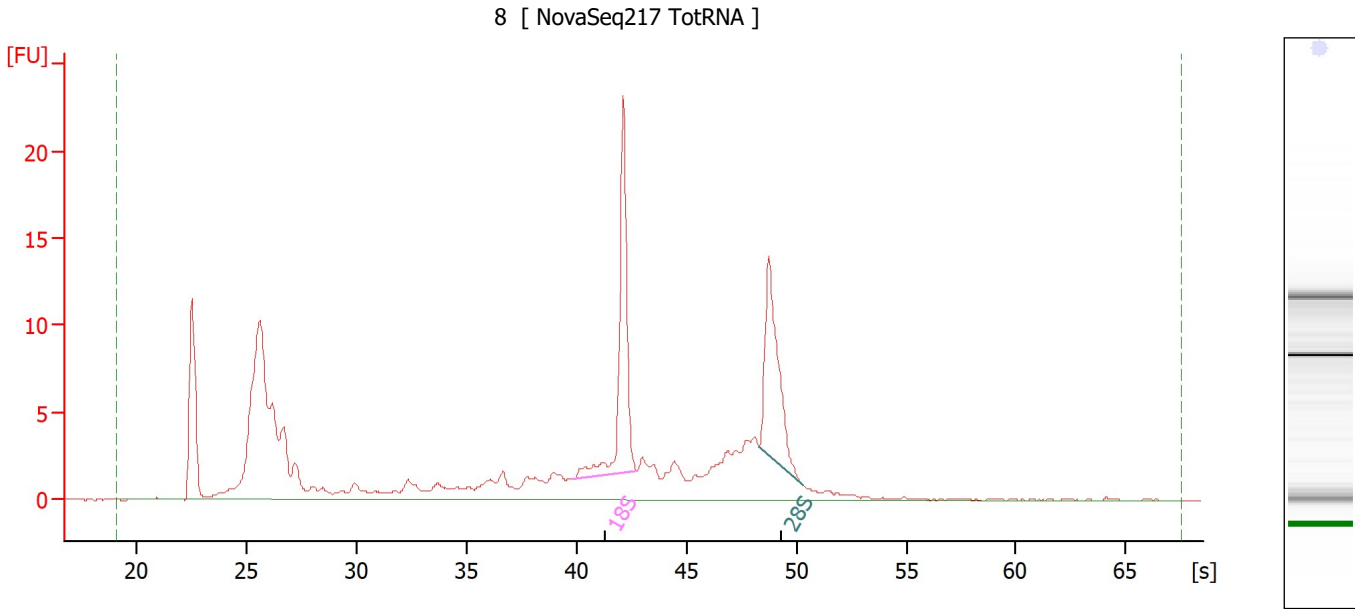
Fragment table for sample 7 : 7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.69	42.71	17.9	13.3
28S	45.93	50.65	23.4	17.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8

RNA Area:	162.1	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	121 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.70

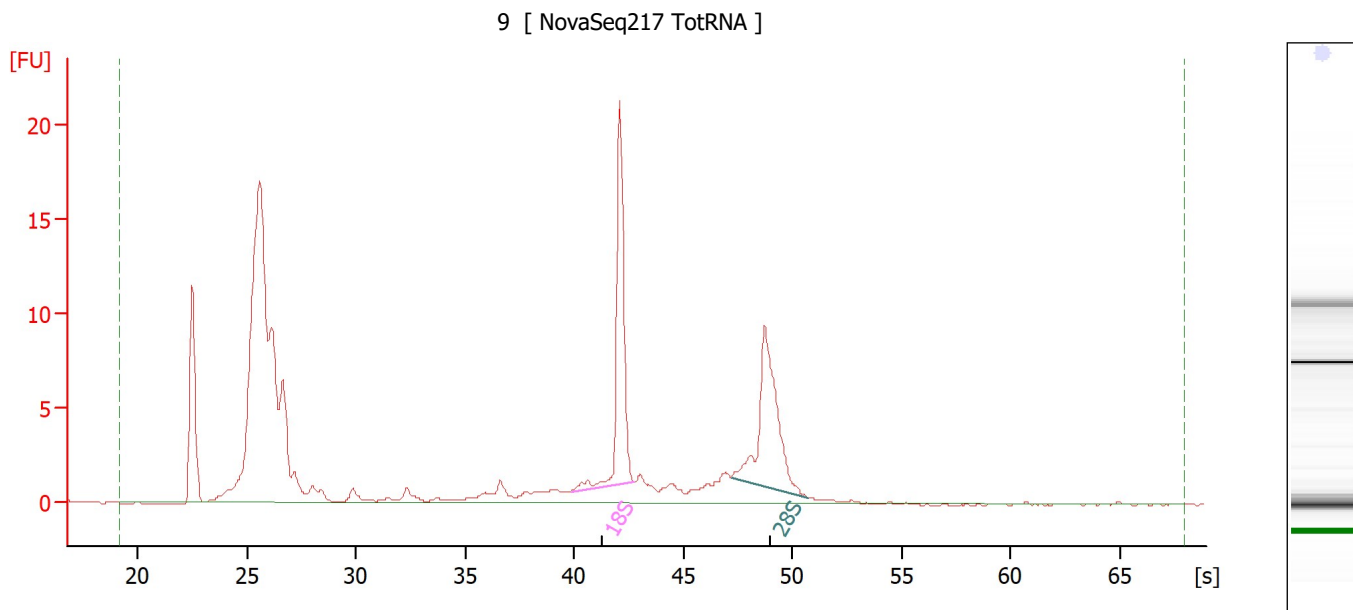
Fragment table for sample 8 : 8

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.86	42.70	20.2	12.5
28S	48.28	50.28	15.9	9.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9

RNA Area:	149.7	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	112 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.40

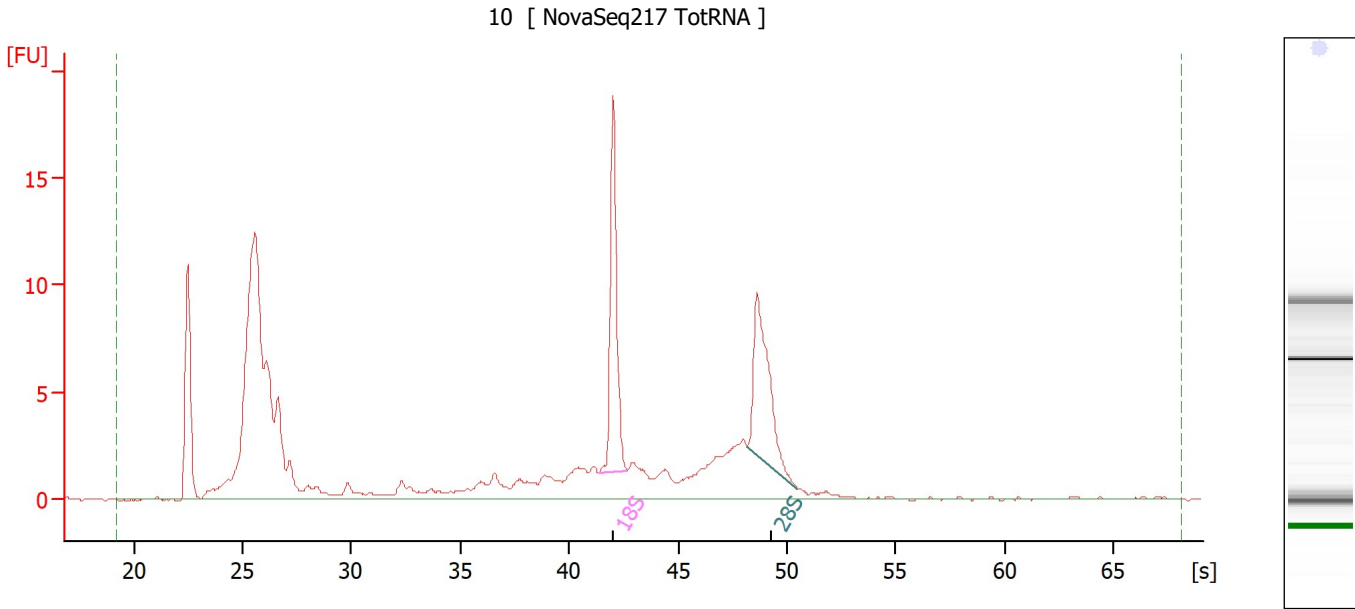
Fragment table for sample 9 : 9

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.88	42.74	17.6	11.8
28S	47.22	50.76	16.5	11.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10

RNA Area:	140.8	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	105 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.40

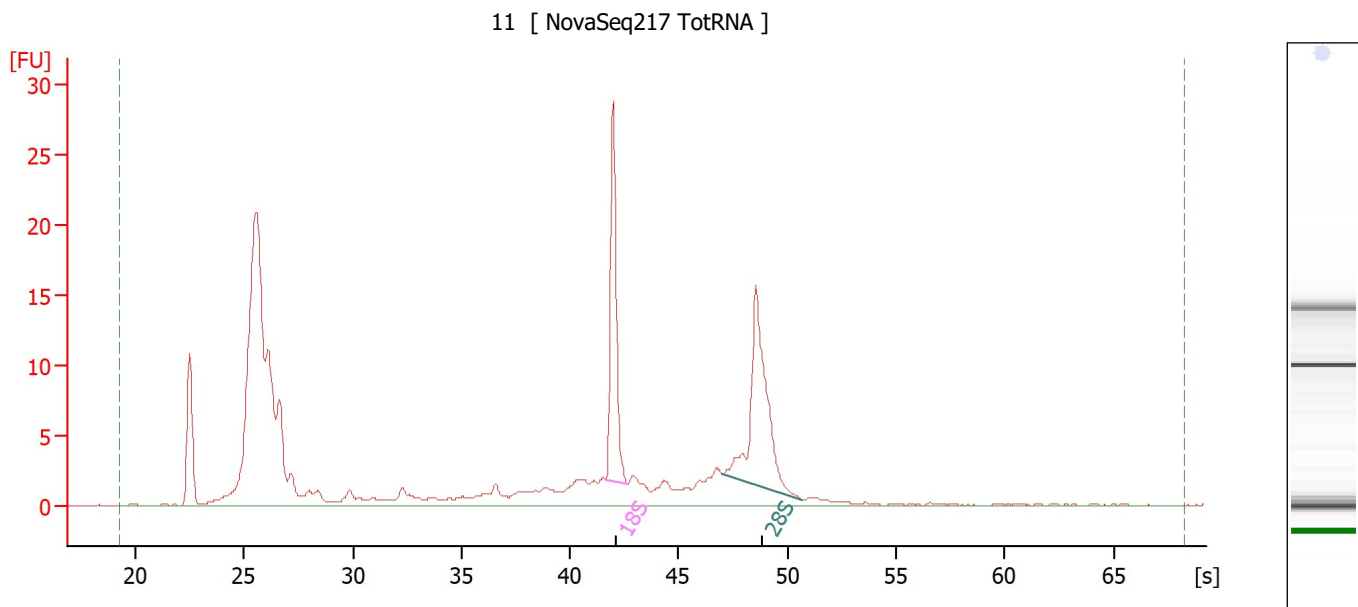
Fragment table for sample 10 : 10

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.35	42.68	14.3	10.1
28S	48.21	50.48	12.7	9.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11

RNA Area:	201.5	RNA Integrity Number (RIN):	7.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	151 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.80

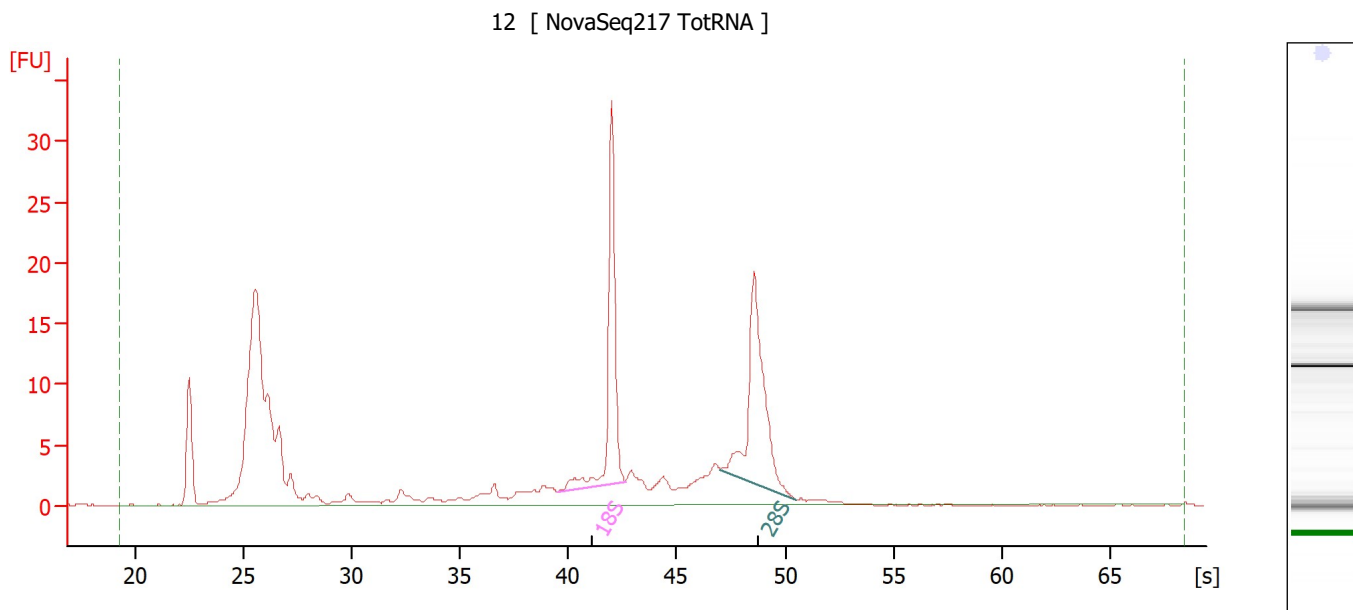
Fragment table for sample 11 : 11

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.64	42.63	21.0	10.4
28S	47.03	50.64	24.2	12.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12

RNA Area:	204.7	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	153 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.40

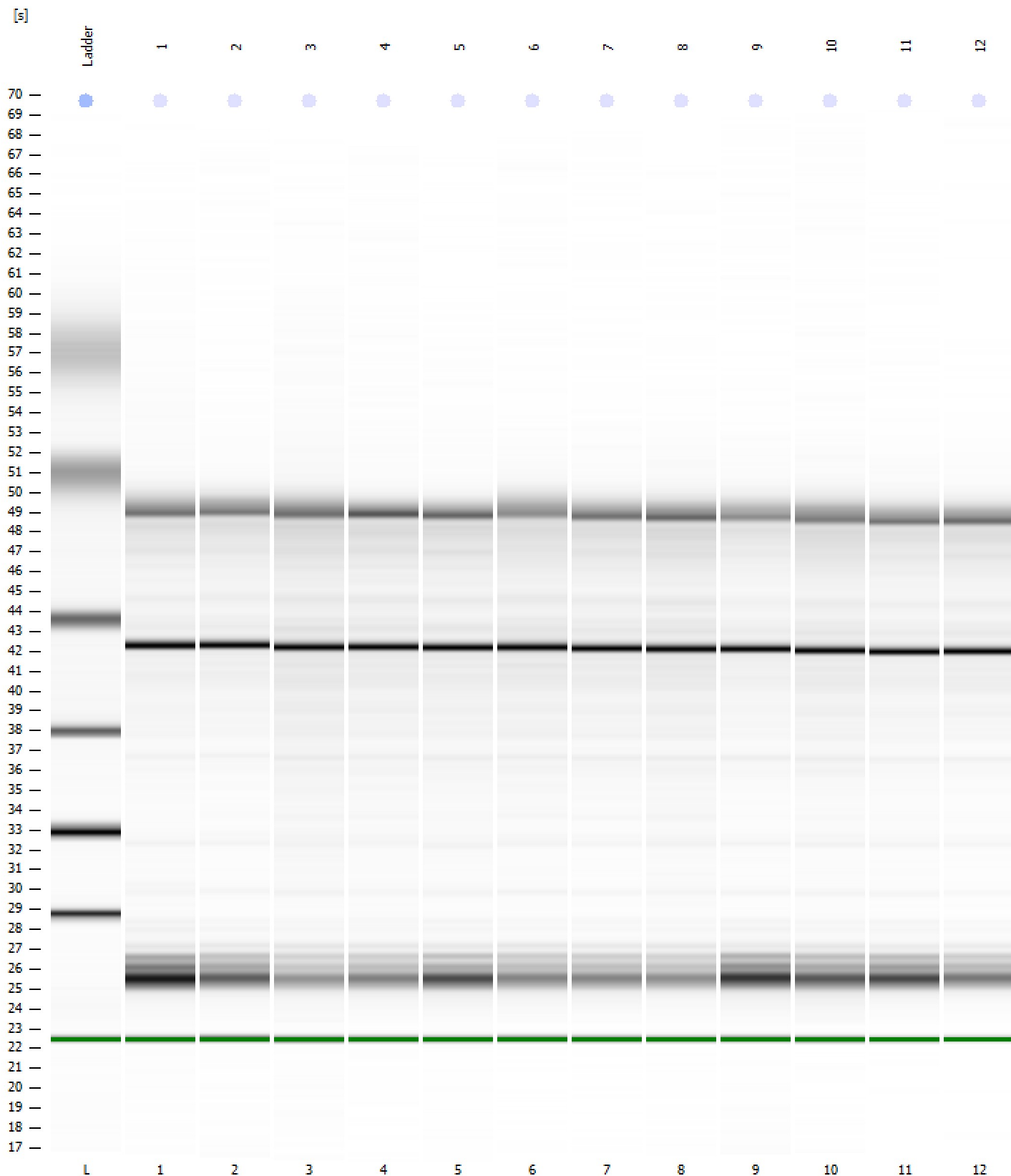
Fragment table for sample 12 : 12

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.50	42.62	28.1	13.7
28S	47.03	50.50	28.4	13.9

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad

Created: 6/29/2020 1:47:40 PM
Modified: 6/29/2020 2:28:27 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-29_001.xad
 Created: 6/29/2020 1:47:40 PM
 Modified: 6/29/2020 2:28:27 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		6/29/2020 2:11:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-06-29\Bioanalyze r1_Eukaryote Total RNA Nano_2020-06-29_001.xad)		Instrument	Run		6/29/2020 1:47:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/29/2020 1:47:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/29/2020 1:47:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/29/2020 1:47:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/29/2020 1:47:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/29/2020 1:47:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/29/2020 1:47:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB