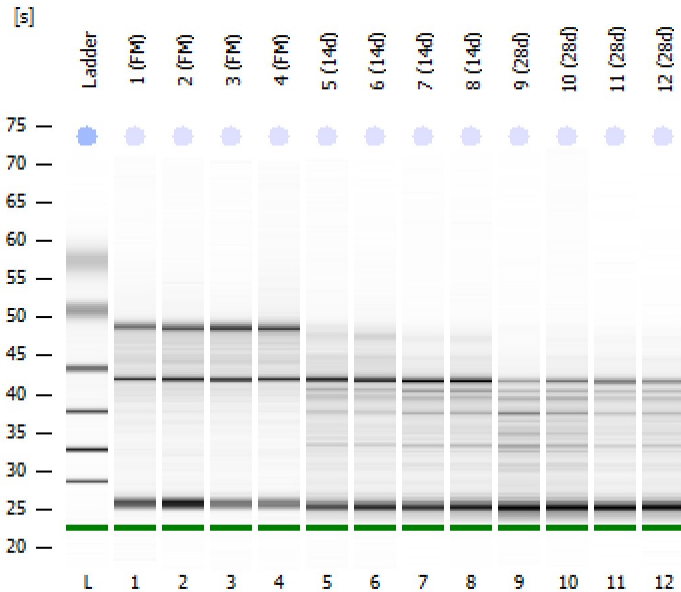


Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electrophoresis File Run Summary



Instrument Information:

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

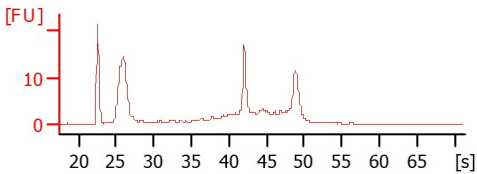
Assay Information:

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.

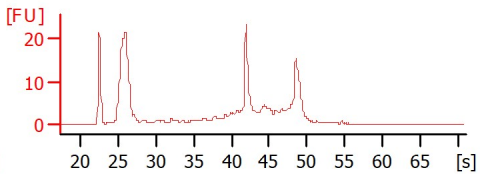
Chip Information:

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

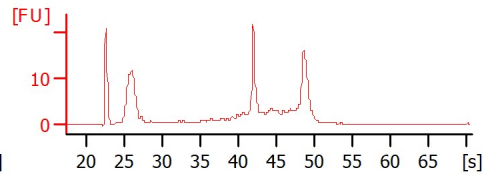
1 (FM)
 RIN: 7.40



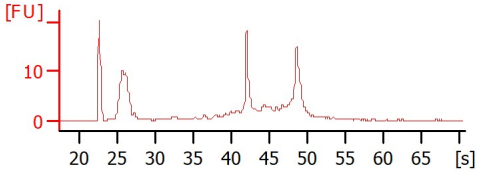
2 (FM)
 RIN: 7.50



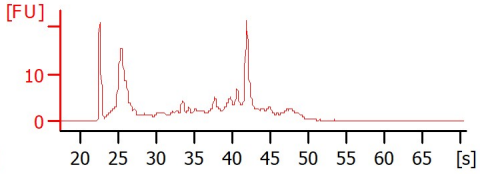
3 (FM)
 RIN: 8



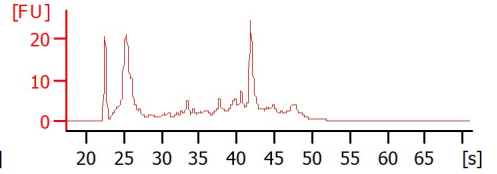
4 (FM)
 RIN: 8.60



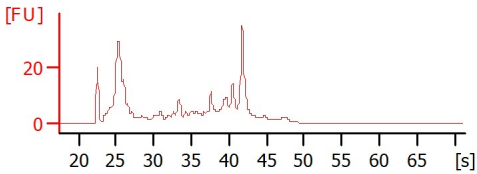
5 (14d)
 RIN: 5.60



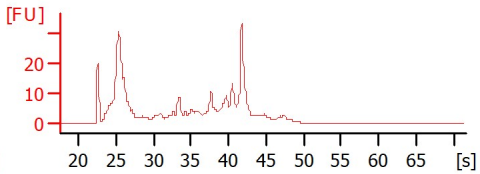
6 (14d)
 RIN: 6



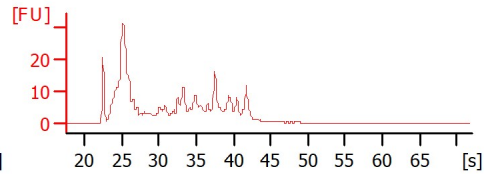
7 (14d)
 RIN: 5.40



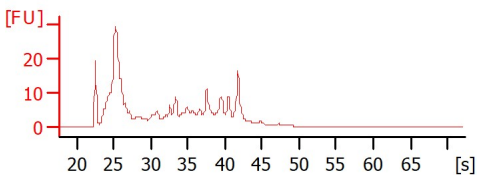
8 (14d)
 RIN: 5.60



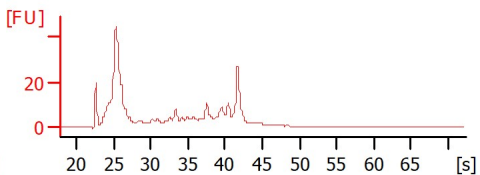
9 (28d)
 RIN: 3.80



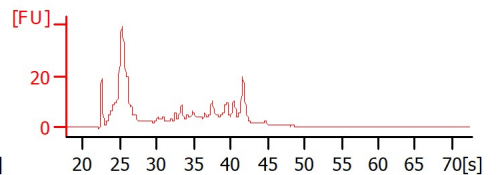
10 (28d)
 RIN: 3.50



11 (28d)
 RIN: 4.10



12 (28d)
 RIN: 3.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1 (FM)		✓	RIN: 7.40	
2 (FM)		✓	RIN: 7.50	
3 (FM)		✓	RIN:8	
4 (FM)		✓	RIN: 8.60	
5 (14d)		✓	RIN: 5.60	
6 (14d)		✓	RIN:6	
7 (14d)		✓	RIN: 5.40	
8 (14d)		✓	RIN: 5.60	
9 (28d)		✓	RIN: 3.80	
10 (28d)		✓	RIN: 3.50	
11 (28d)		✓	RIN: 4.10	
12 (28d)		✓	RIN: 3.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

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

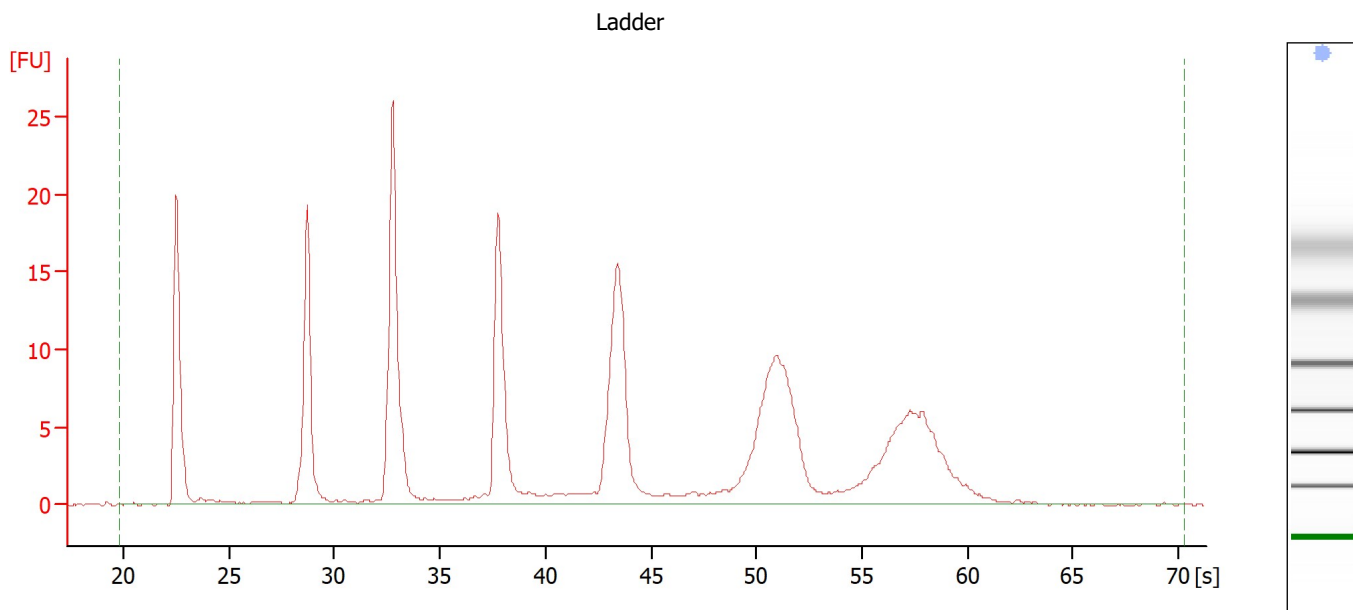
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary



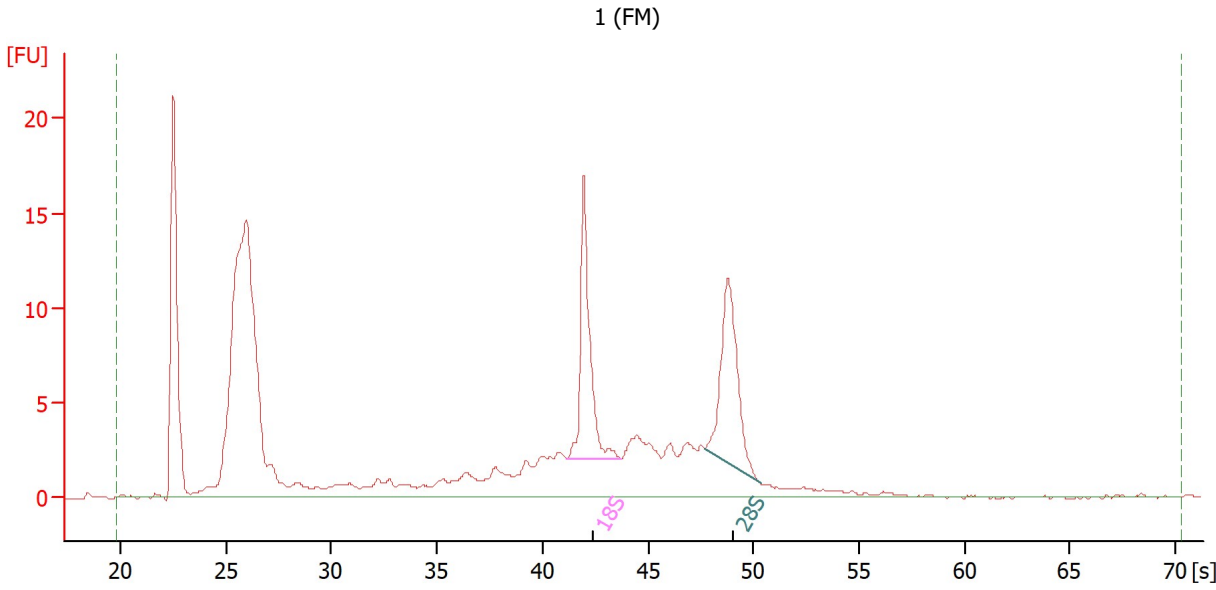
Overall Results for Ladder

RNA Area:	218.9	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1 (FM)

RNA Area:	199.0	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	136 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.40

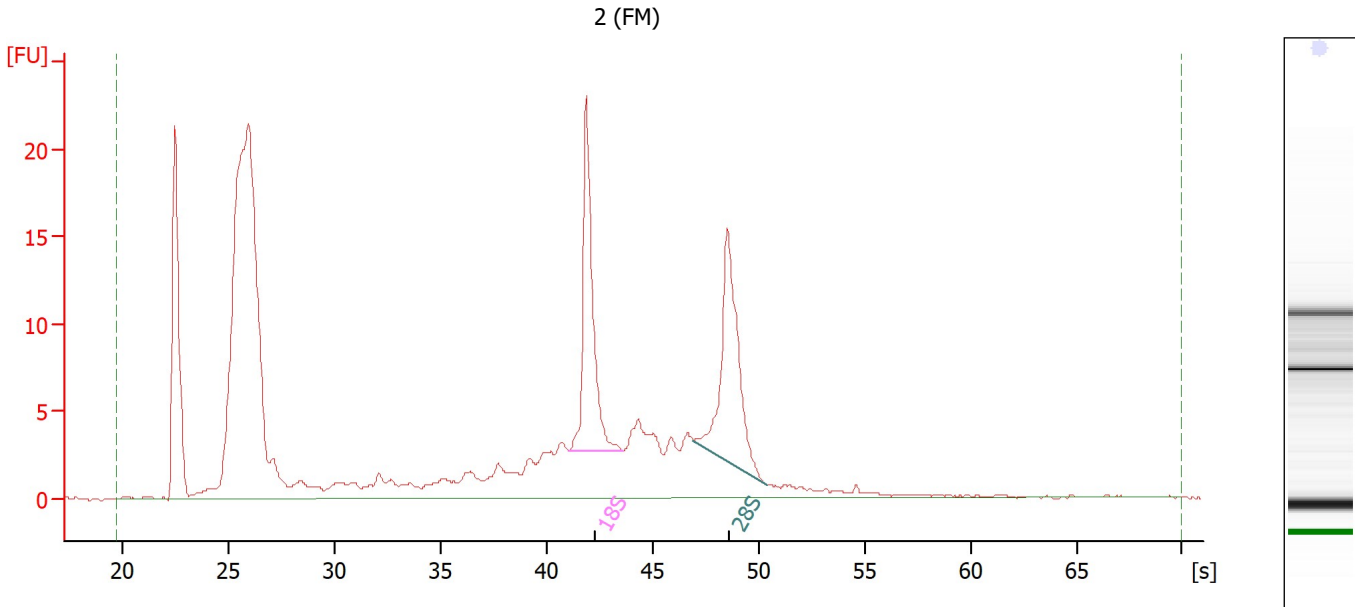
Fragment table for sample 1 : 1 (FM)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.18	43.68	17.8	9.0
28S	47.70	50.35	18.1	9.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2 (FM)

RNA Area: 268.2 RNA Integrity Number (RIN): 7.5 (B.02.10)
 RNA Concentration: 184 ng/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.50

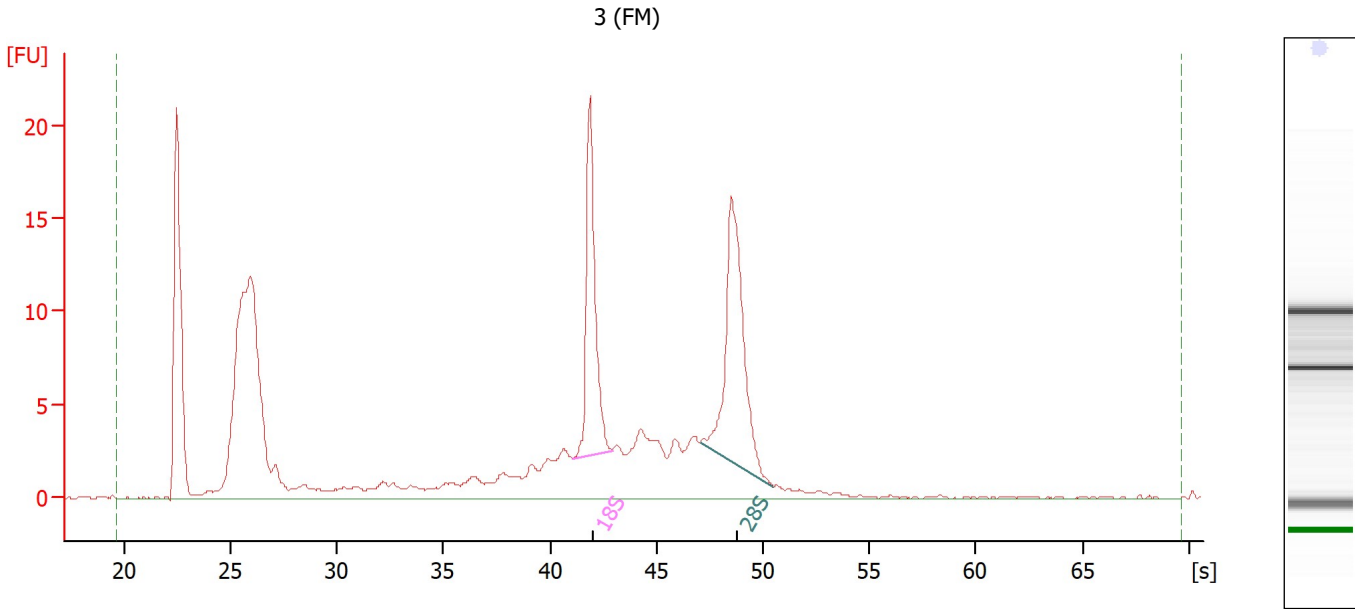
Fragment table for sample 2 : 2 (FM)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.10	43.58	24.0	9.0
28S	46.93	50.37	25.2	9.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3 (FM)

RNA Area:	199.3	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	137 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:8

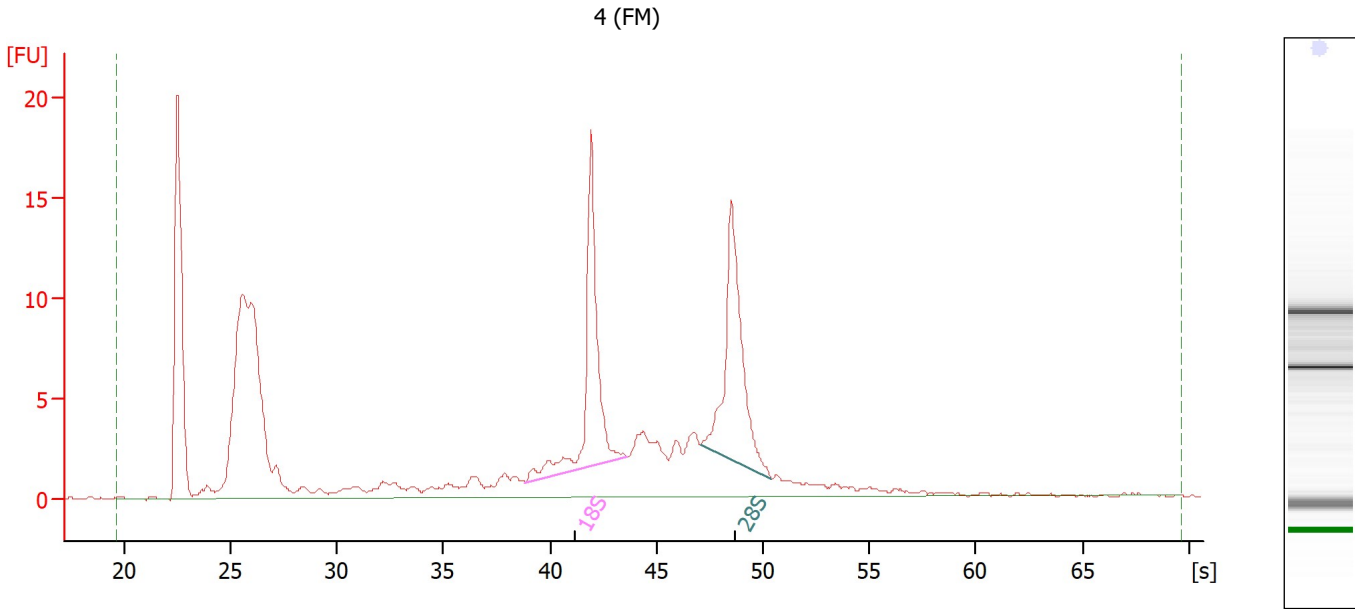
Fragment table for sample 3 : 3 (FM)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.07	42.93	20.7	10.4
28S	47.07	50.50	28.0	14.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4 (FM)

RNA Area:	177.5	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	122 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.60

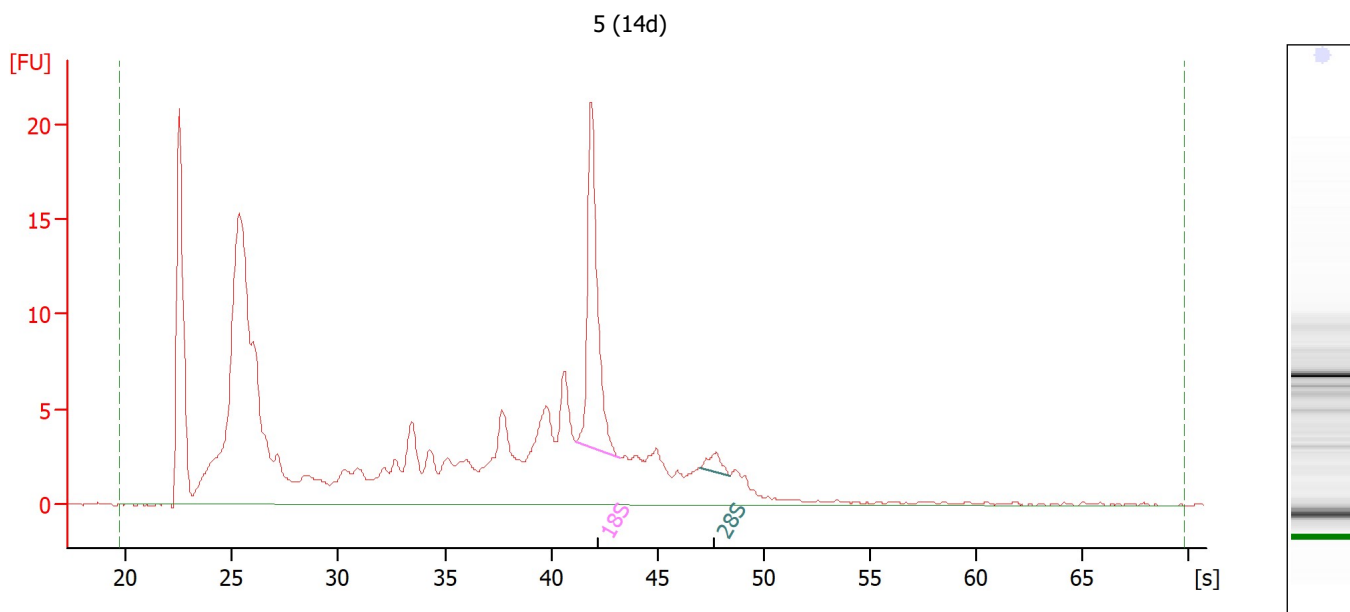
Fragment table for sample 4 : 4 (FM)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.85	43.64	22.8	12.8
28S	47.07	50.40	23.5	13.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5 (14d)

RNA Area:	248.1	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	170 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.60

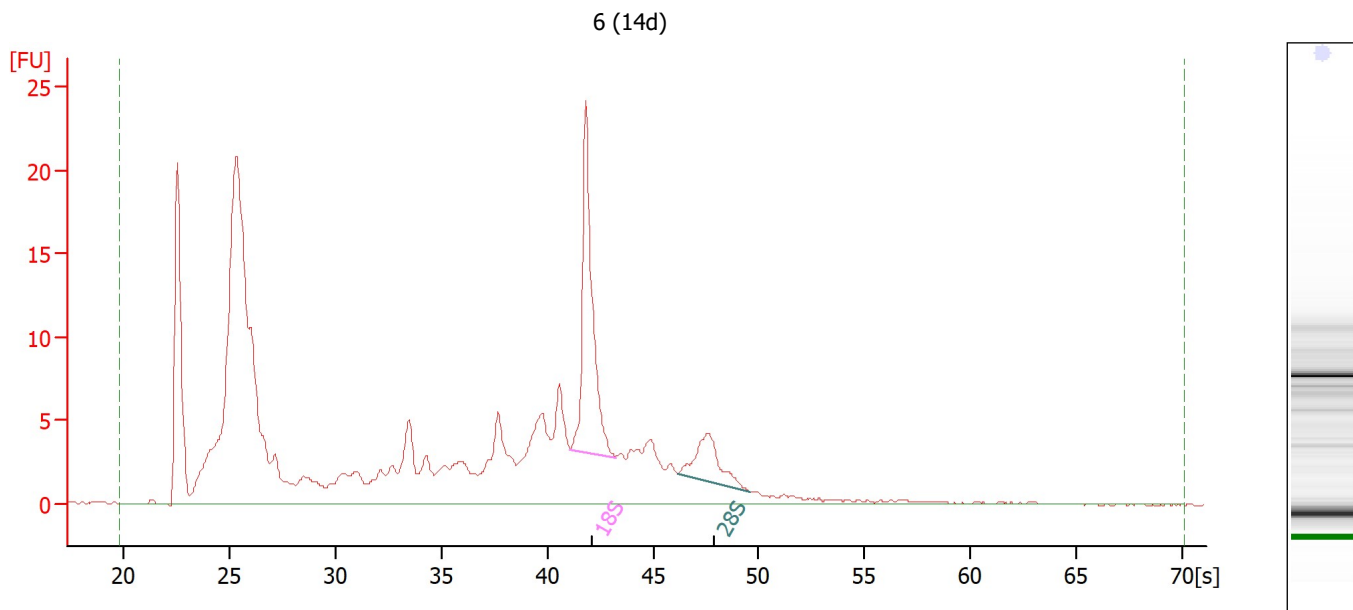
Fragment table for sample 5 : 5 (14d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.16	43.23	22.4	9.0
28S	47.02	48.39	1.5	0.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6 (14d)

RNA Area:	293.4	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	201 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN:6

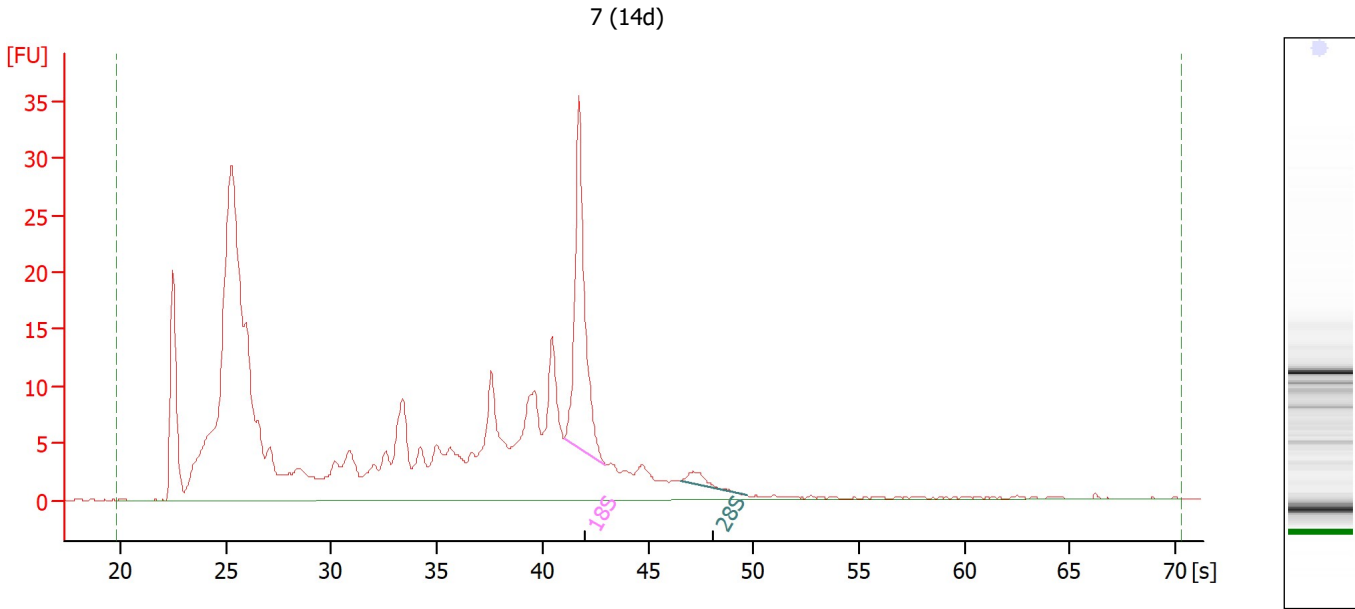
Fragment table for sample 6 : 6 (14d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.09	43.22	26.6	9.1
28S	46.22	49.57	7.9	2.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7 (14d)

RNA Area:	429.6	RNA Integrity Number (RIN):	5.4 (B.02.10)
RNA Concentration:	294 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.40

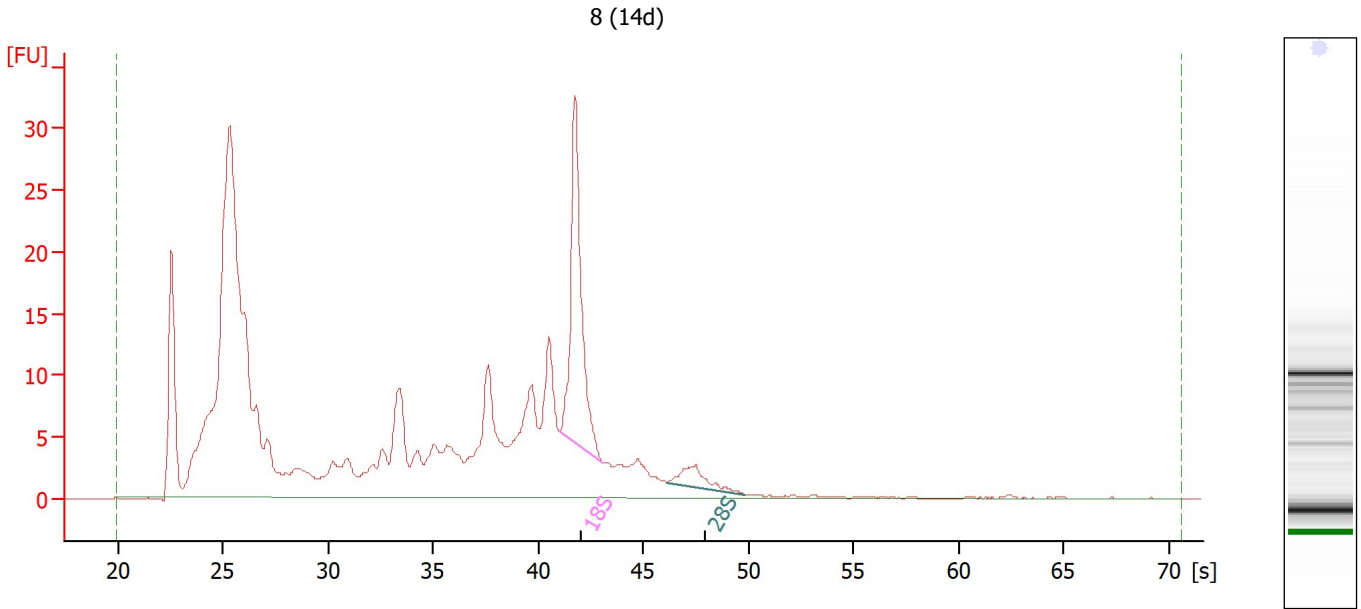
Fragment table for sample 7 : 7 (14d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.03	42.96	38.6	9.0
28S	46.58	49.68	2.3	0.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8 (14d)

RNA Area:	417.4	RNA Integrity Number (RIN):	5.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	286 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.60

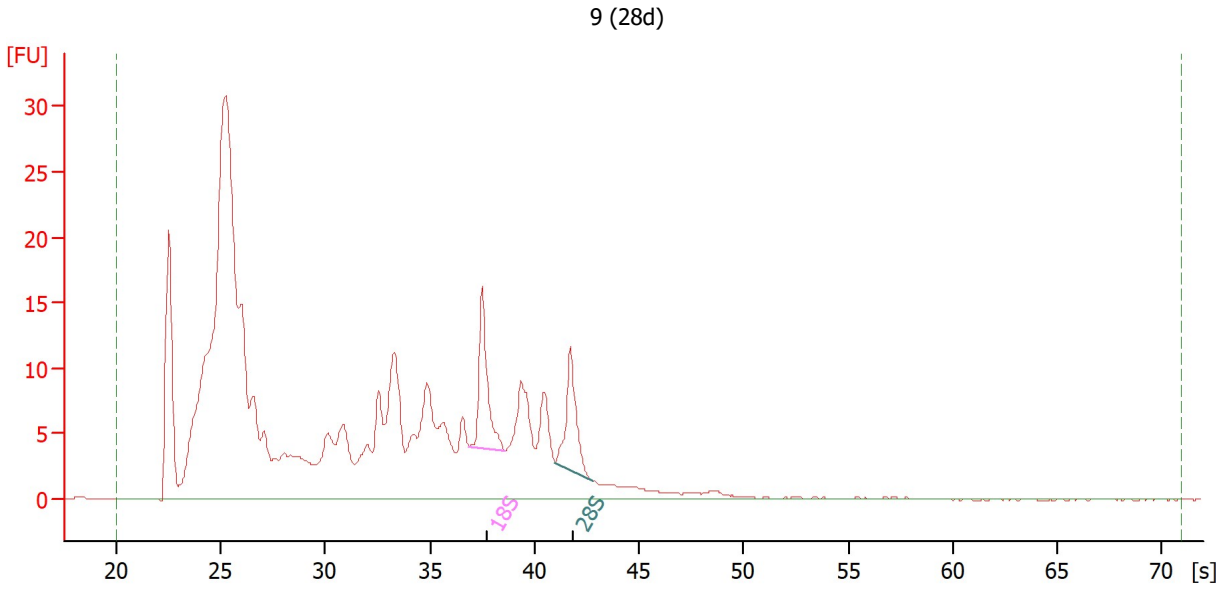
Fragment table for sample 8 : 8 (14d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.01	43.06	37.3	8.9
28S	46.07	49.81	4.8	1.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9 (28d)

RNA Area:	439.0	RNA Integrity Number (RIN):	3.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	301 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 3.80

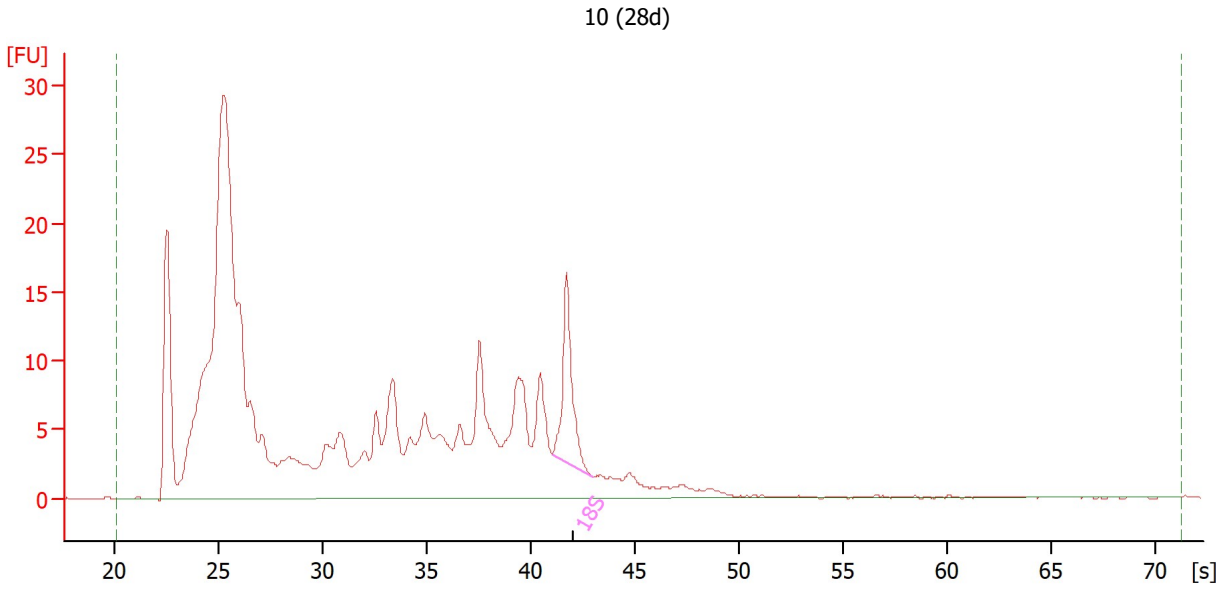
Fragment table for sample 9 : 9 (28d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	36.88	38.53	14.7	3.4
28S	40.99	42.74	12.2	2.8

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10 (28d)

RNA Area:	400.7	RNA Integrity Number (RIN):	3.5 (B.02.10)
RNA Concentration:	275 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

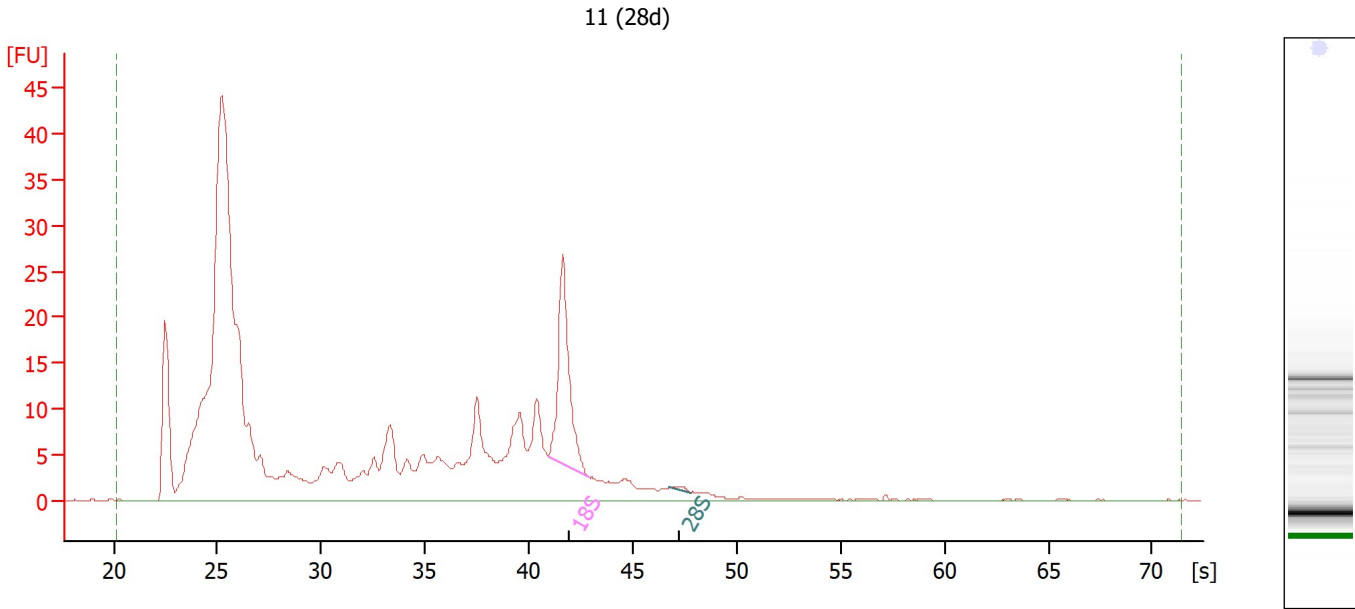
Fragment table for sample 10 : 10 (28d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.03	42.94	17.2	4.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11 (28d)

RNA Area:	485.9	RNA Integrity Number (RIN):	4.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	333 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.10

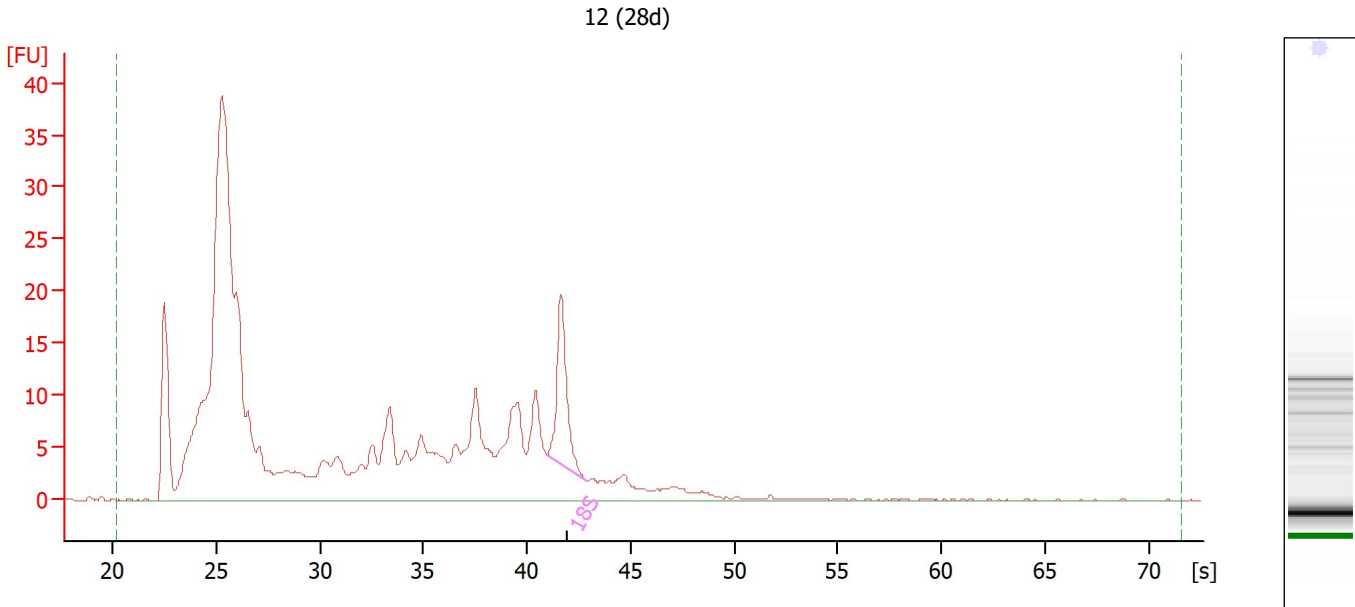
Fragment table for sample 11 : 11 (28d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.91	42.88	32.2	6.6
28S	46.76	47.79	0.5	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
 Modified: 6/24/2020 10:57:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12 (28d)

RNA Area:	461.3	RNA Integrity Number (RIN):	3.5 (B.02.10)
RNA Concentration:	316 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

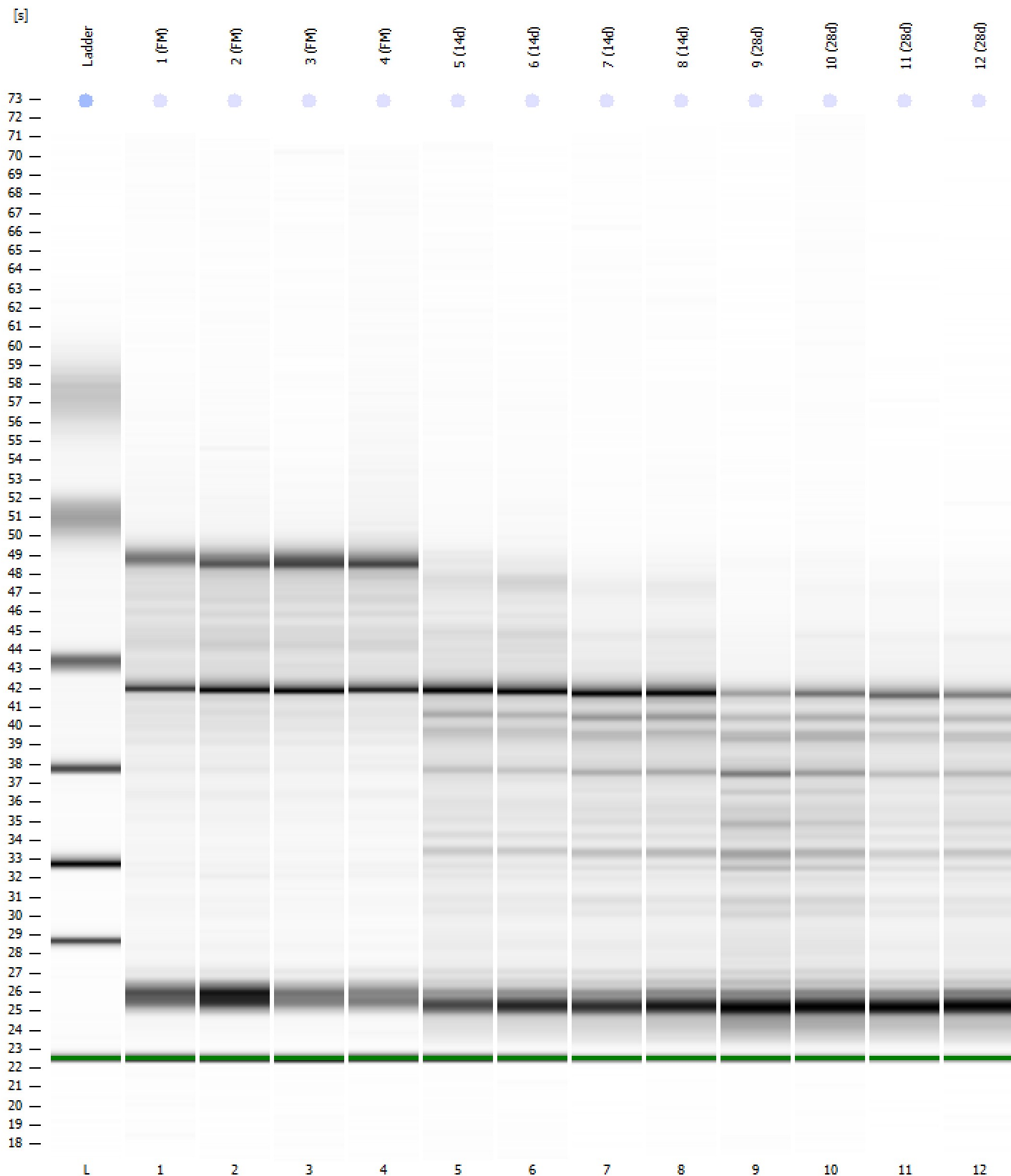
Fragment table for sample 12 : 12 (28d)

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.96	42.87	20.6	4.5

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad

Created: 6/24/2020 10:33:35 AM
Modified: 6/24/2020 10:57:27 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 6/24/2020 10:33:35 AM
 Data Path: Z:\...24\Bioanalyzer1_Eukaryote Total RNA Nano_2020-06-24_002.xad Modified: 6/24/2020 10:57:27 AM

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		6/24/2020 10:57:25 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-06-24\Bioanalyze r1_Eukaryote Total RNA Nano_2020-06-24_002.xad)		Instrument	Run		6/24/2020 10:33:40 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/24/2020 10:33:40 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/24/2020 10:33:40 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/24/2020 10:33:40 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/24/2020 10:33:40 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/24/2020 10:33:40 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/24/2020 10:33:40 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB