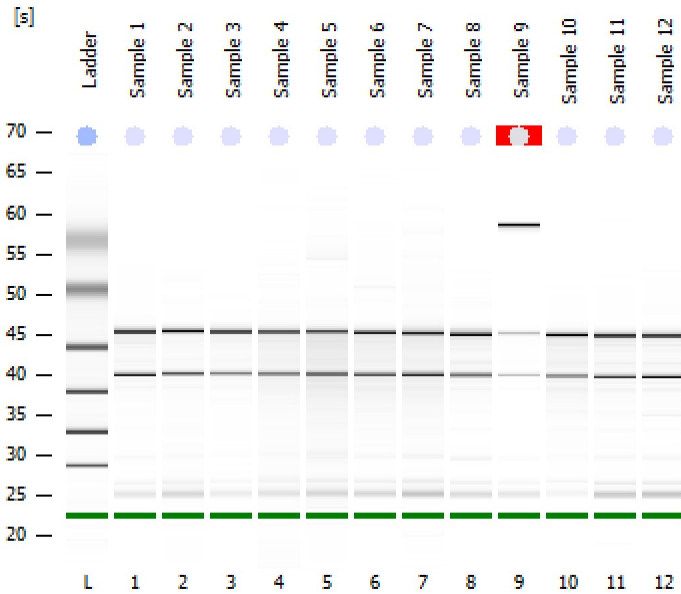


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
Modified: 11/18/2019 10:43:11 AM

Electrophoresis File Run Summary



Instrument Information:

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

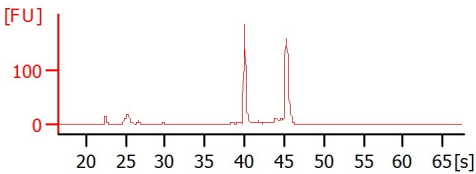
Assay Information:

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.

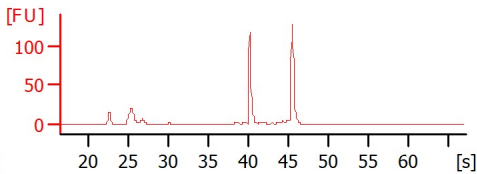
Chip Information:

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

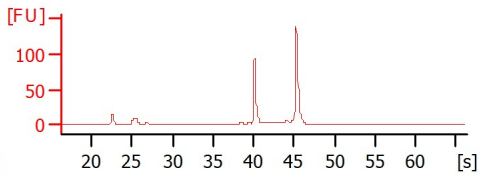
Sample 1
RIN: 9.40



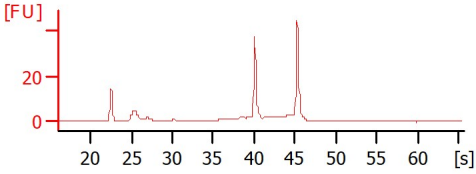
Sample 2
RIN: 9.30



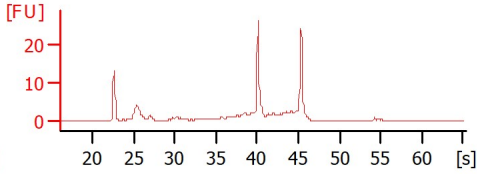
Sample 3
RIN: 9.60



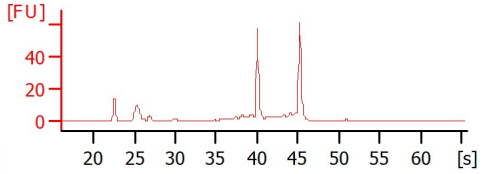
Sample 4
RIN: 8.80



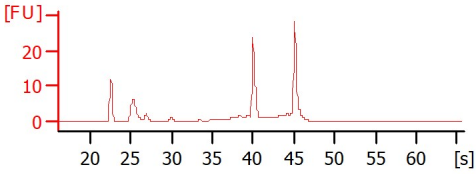
Sample 5
RIN: 7.90



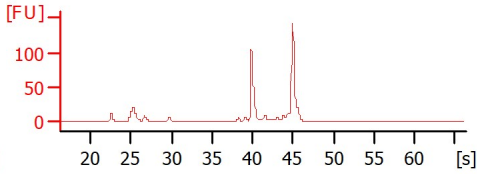
Sample 6
RIN: 8.10



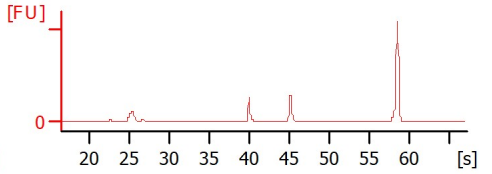
Sample 7
RIN: 8.60



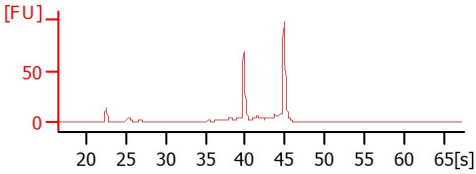
Sample 8
RIN: 9.40



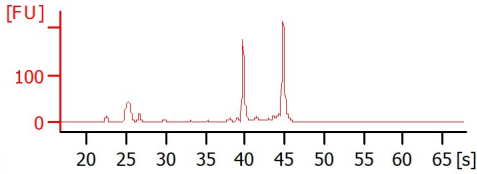
Sample 9
RIN N/A



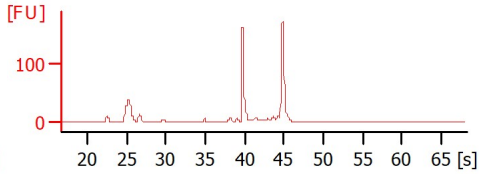
Sample 10
RIN: 8.60



Sample 11
RIN: 9



Sample 12
RIN: 9.10



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.40	
Sample 2		✓	RIN: 9.30	
Sample 3		✓	RIN: 9.60	
Sample 4		✓	RIN: 8.80	
Sample 5		✓	RIN: 7.90	
Sample 6		✓	RIN: 8.10	
Sample 7		✓	RIN: 8.60	
Sample 8		✓	RIN: 9.40	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN: 8.60	
Sample 11		✓	RIN:9	
Sample 12		✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 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

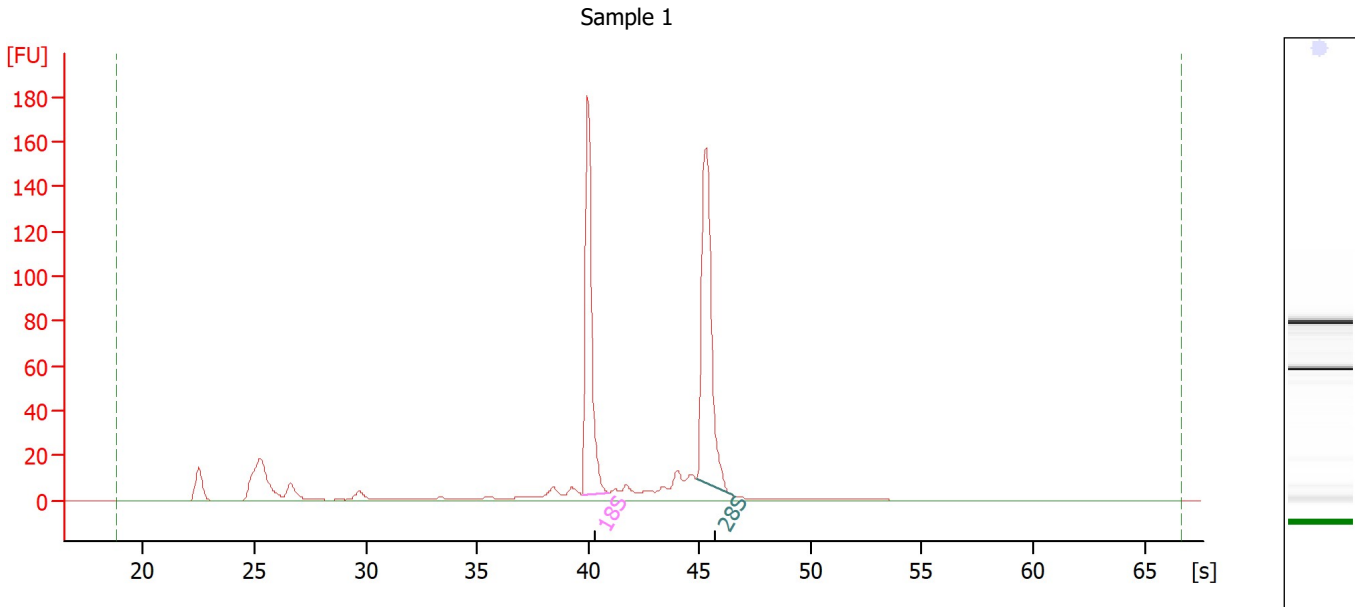
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary



Overall Results for sample 1 : Sample 1

RNA Area:	531.9	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	276 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.40

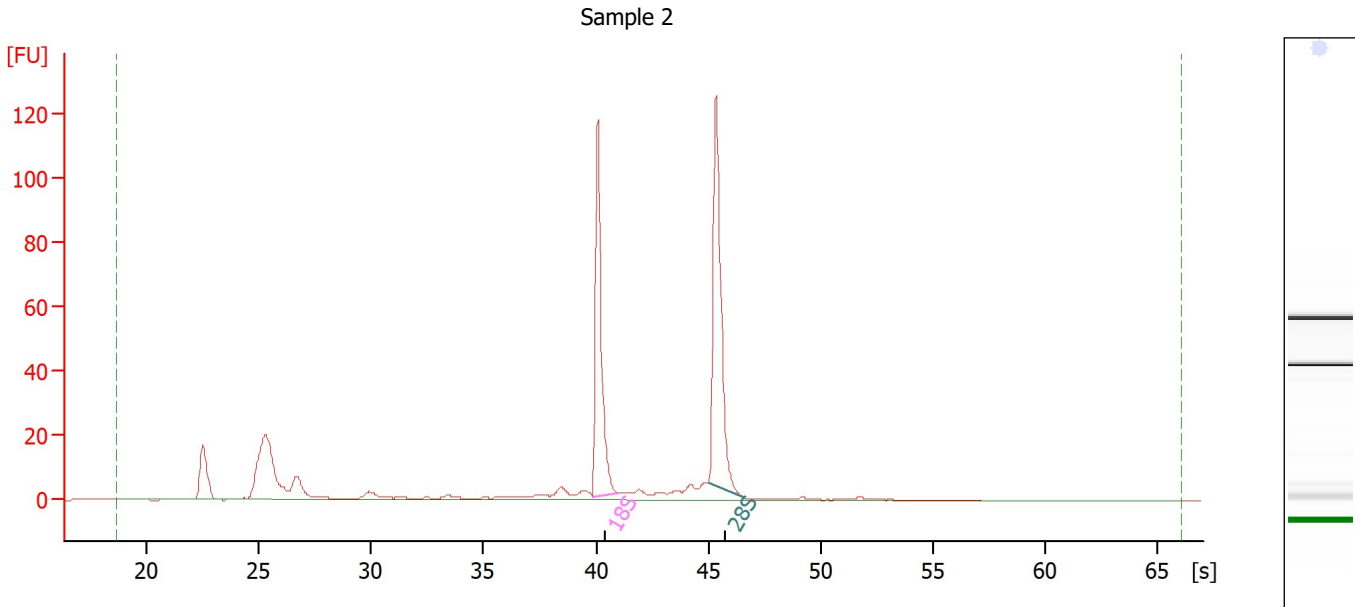
Fragment table for sample 1 : Sample 1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.74	40.94	139.0	26.1
28S	44.90	46.50	166.0	31.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	379.3	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	197 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.30

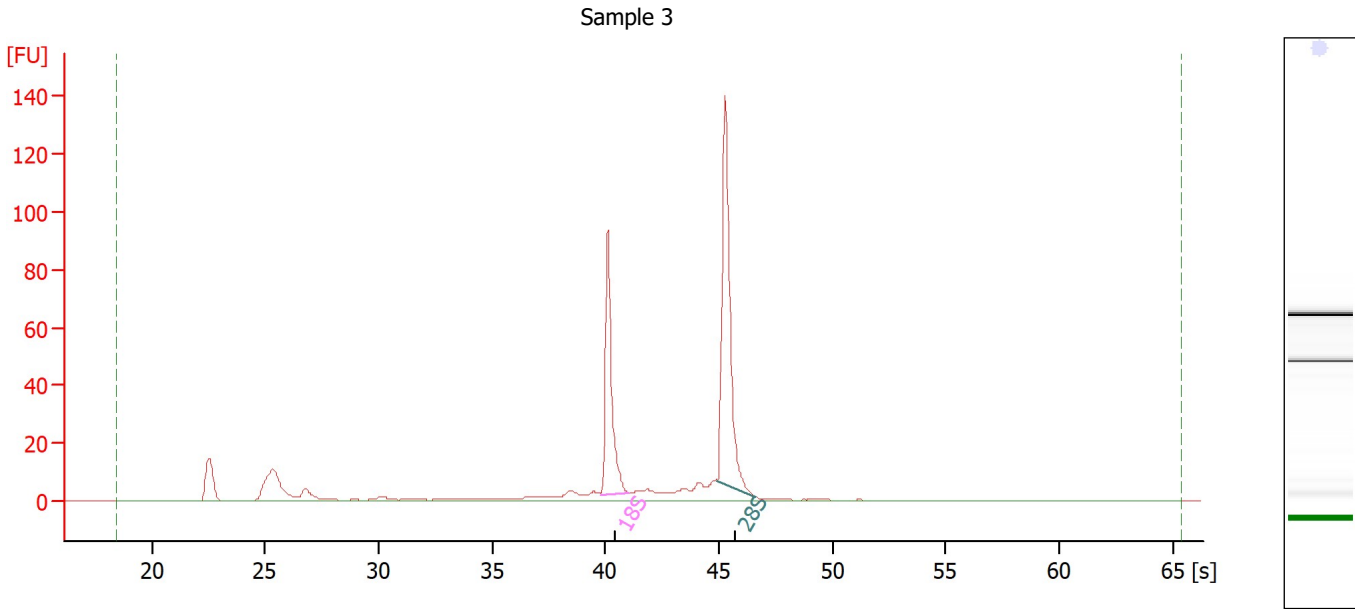
Fragment table for sample 2 : Sample 2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.83	41.03	91.5	24.1
28S	45.00	46.58	107.7	28.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	343.9	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	179 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.60

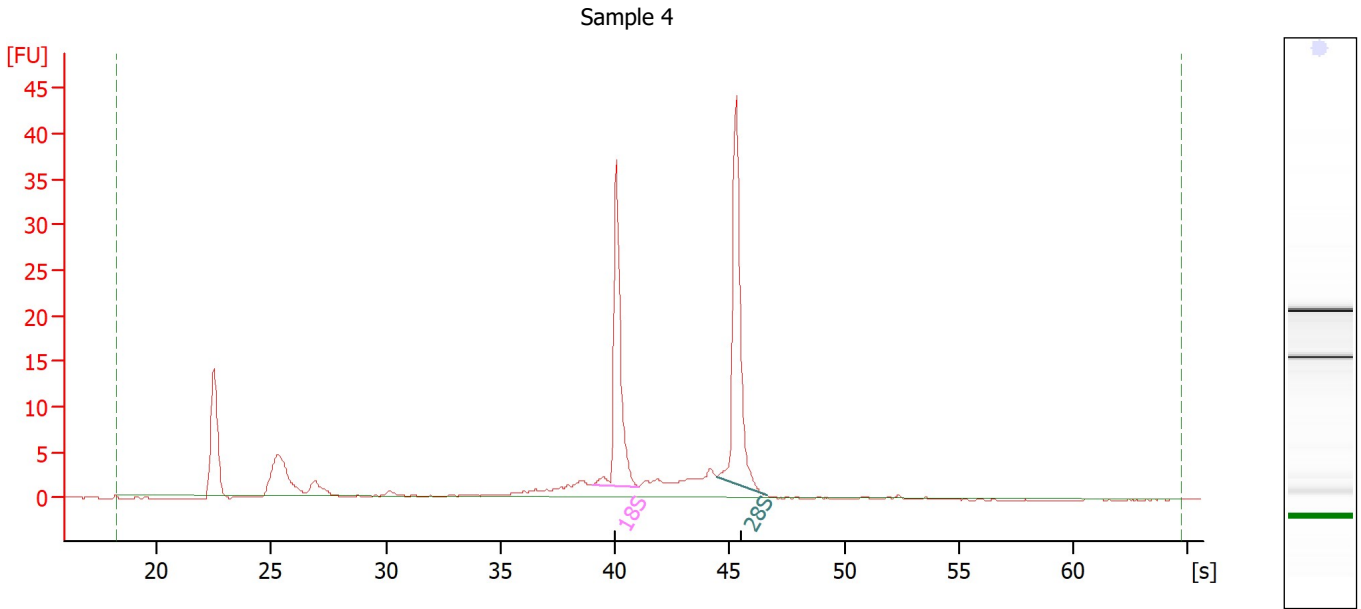
Fragment table for sample 3 : Sample 3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.84	41.07	75.1	21.8
28S	44.95	46.56	120.0	34.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	123.7	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	64 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.80

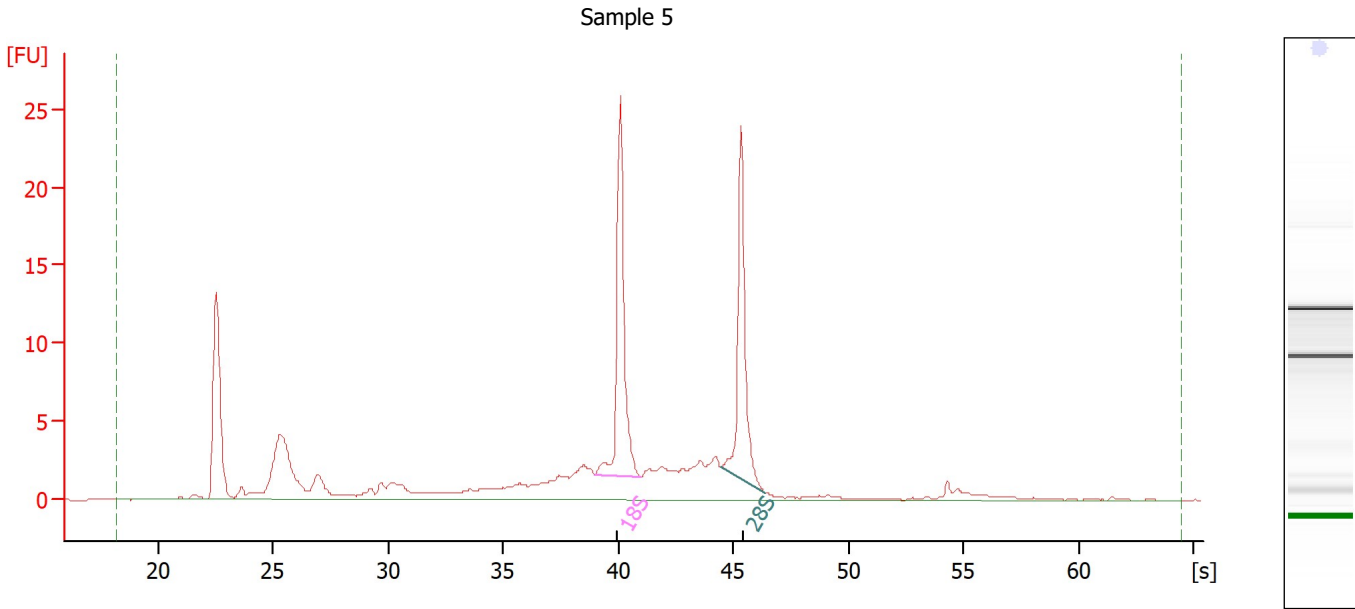
Fragment table for sample 4 : Sample 4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.00	41.02	29.2	23.6
28S	44.48	46.59	34.7	28.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	124.2	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	65 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.90

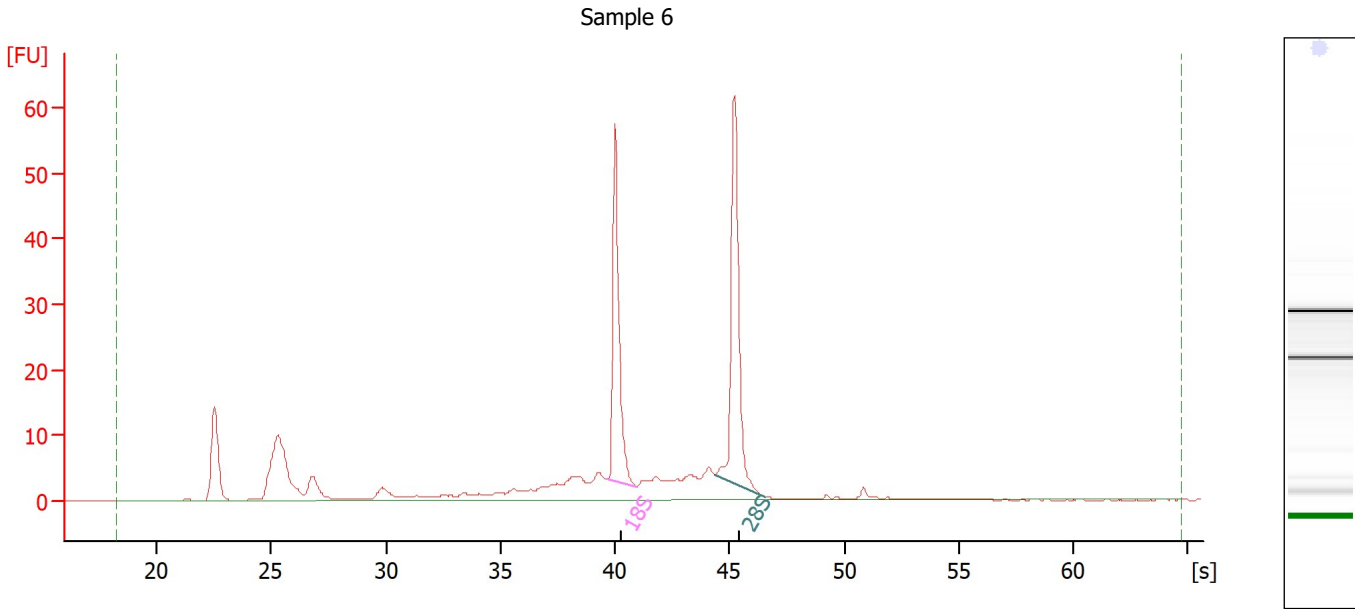
Fragment table for sample 5 : Sample 5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.93	40.94	20.6	16.6
28S	44.44	46.35	18.4	14.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	229.2	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	119 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.10

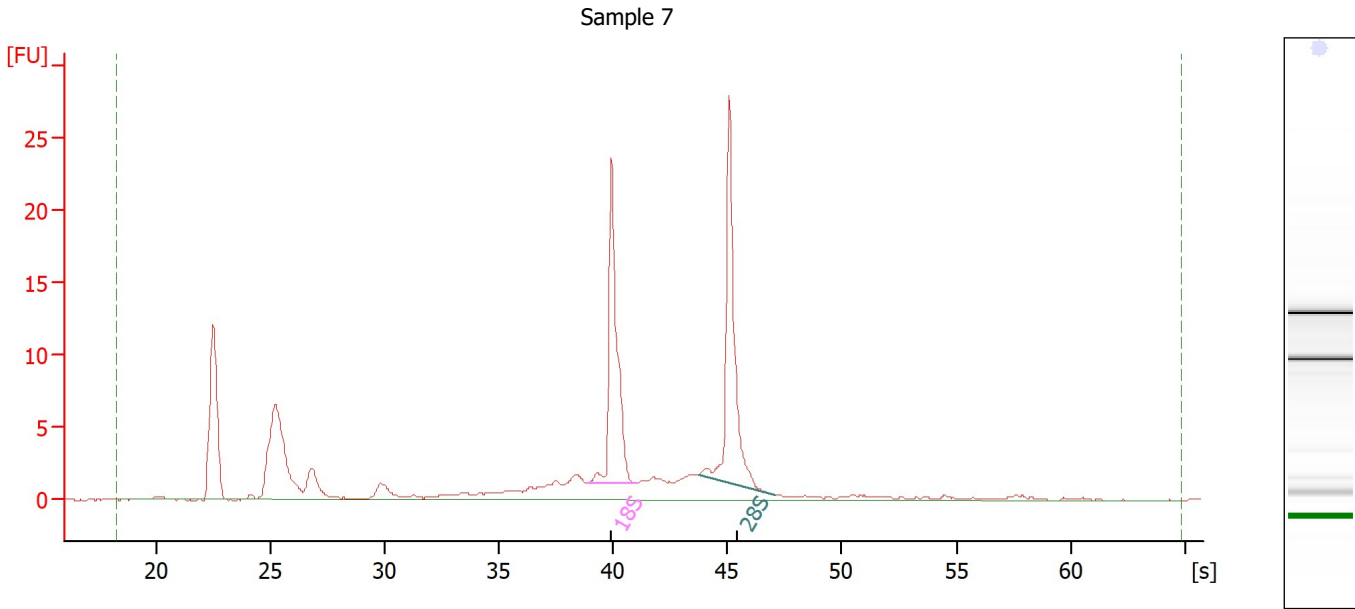
Fragment table for sample 6 : Sample 6

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.61	40.92	41.3	18.0
28S	44.39	46.55	47.9	20.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	118.3	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.60

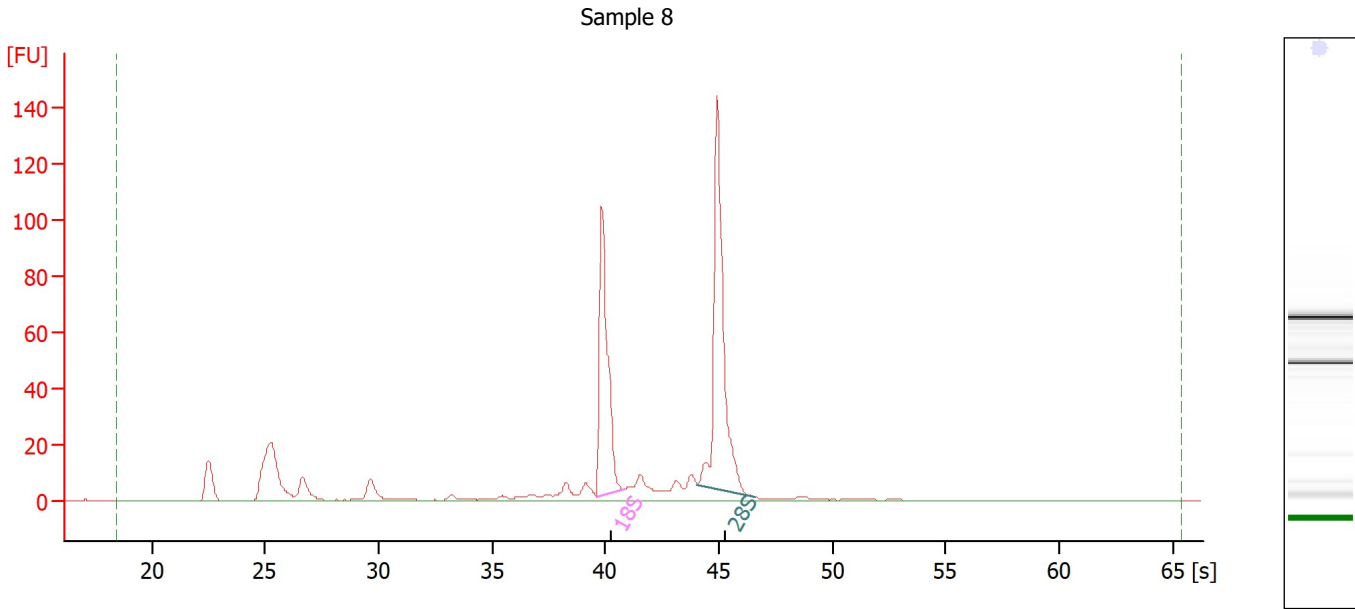
Fragment table for sample 7 : Sample 7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.89	41.05	22.9	19.4
28S	43.73	47.11	24.5	20.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	468.1	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	243 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.40

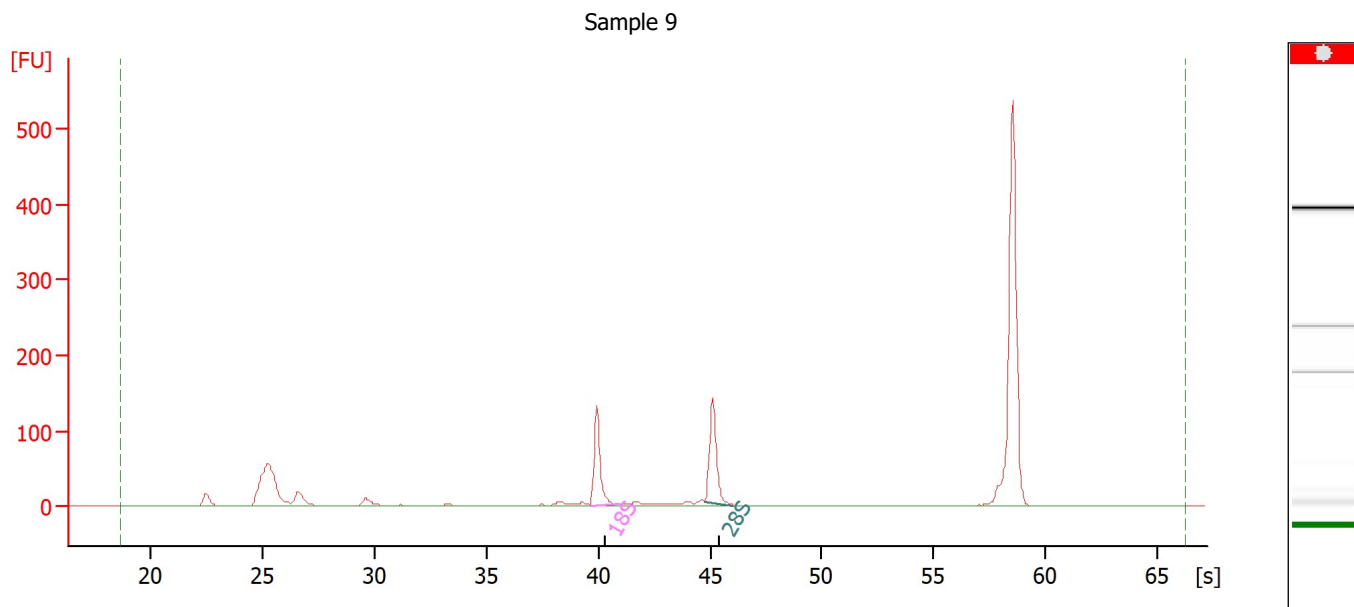
Fragment table for sample 8 : Sample 8

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.60	40.83	103.1	22.0
28S	44.05	46.56	145.1	31.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	942.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	490 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

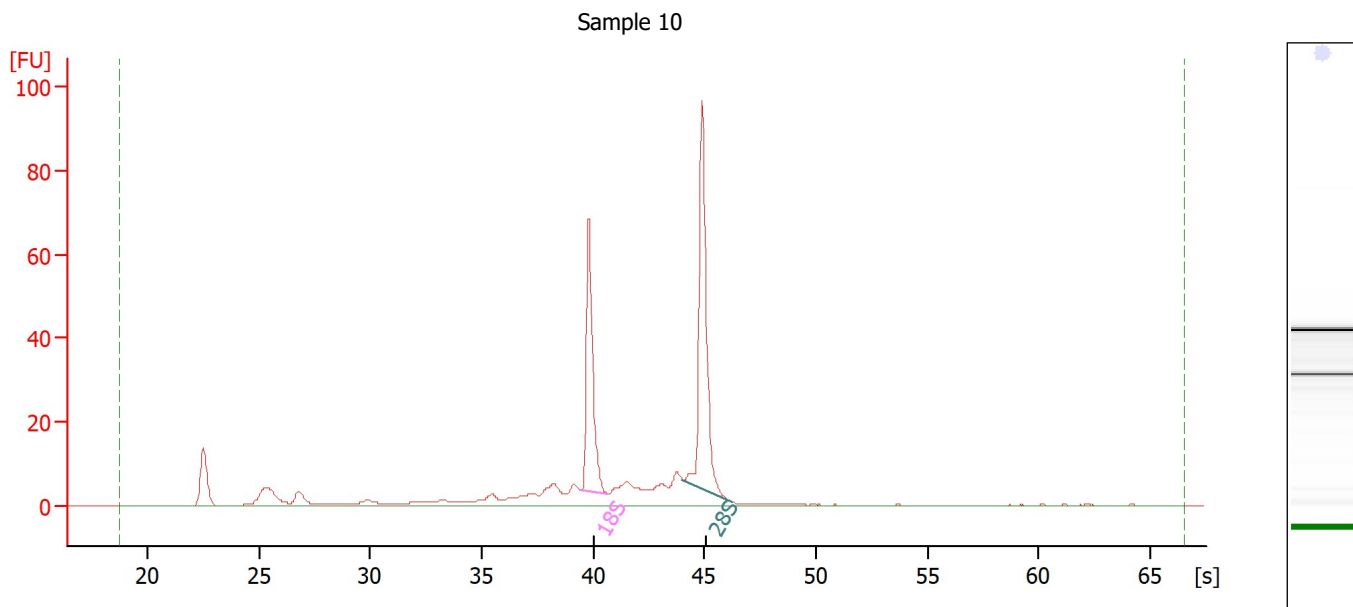
Fragment table for sample 9 : Sample 9

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.67	40.92	102.0	10.8
28S	44.76	46.06	107.9	11.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	282.6	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	147 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.60

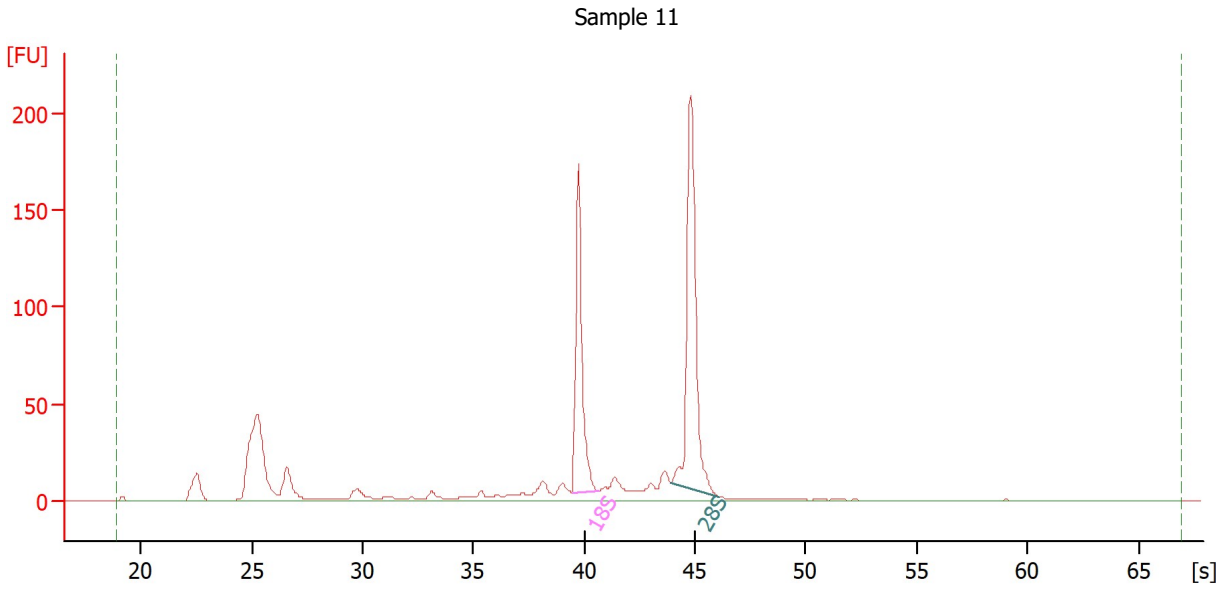
Fragment table for sample 10 : Sample 10

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.41	40.66	52.4	18.6
28S	43.99	46.20	79.4	28.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	736.1	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	382 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

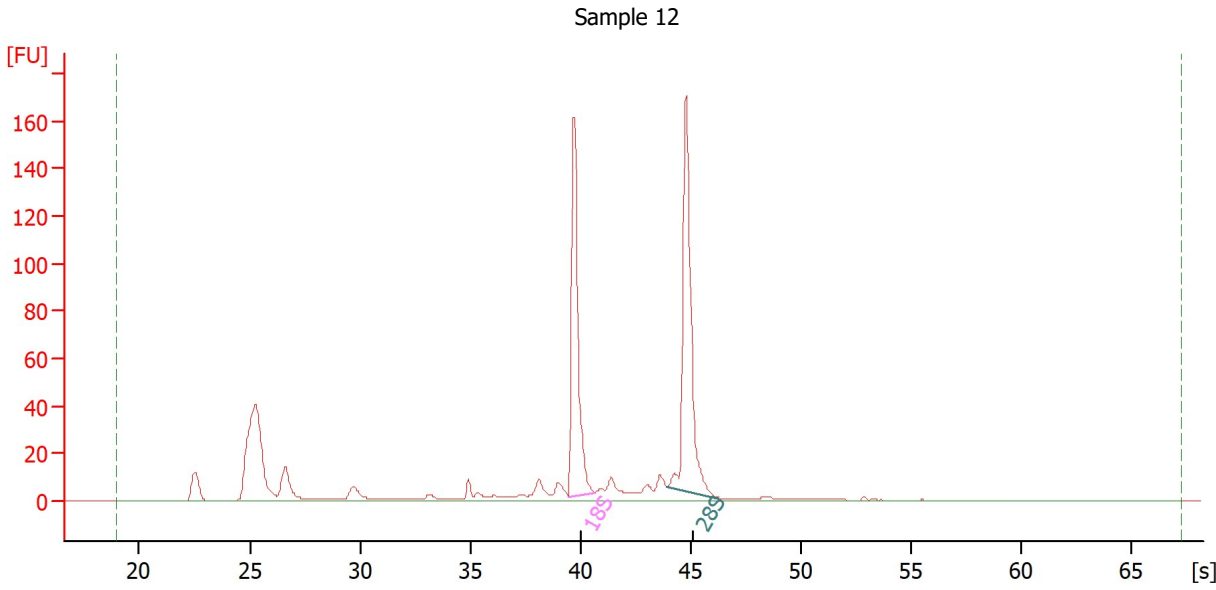
Fragment table for sample 11 : Sample 11

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.47	40.64	137.4	18.7
28S	43.93	46.12	200.9	27.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

RNA Area:	607.0	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	315 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.10

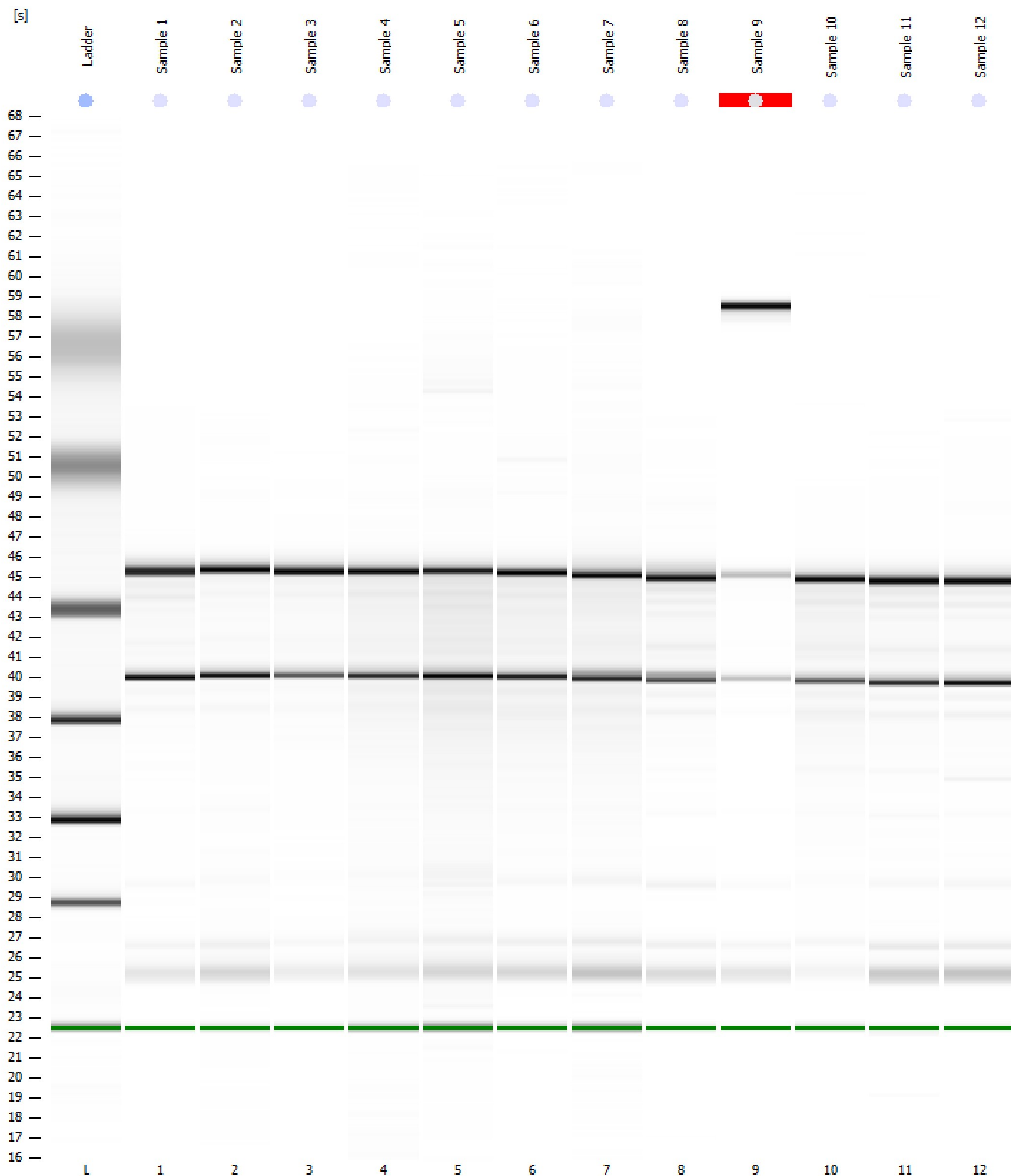
Fragment table for sample 12 : Sample 12

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.45	40.62	129.3	21.3
28S	43.93	46.31	159.0	26.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
Modified: 11/18/2019 10:43:11 AM

Gel Image

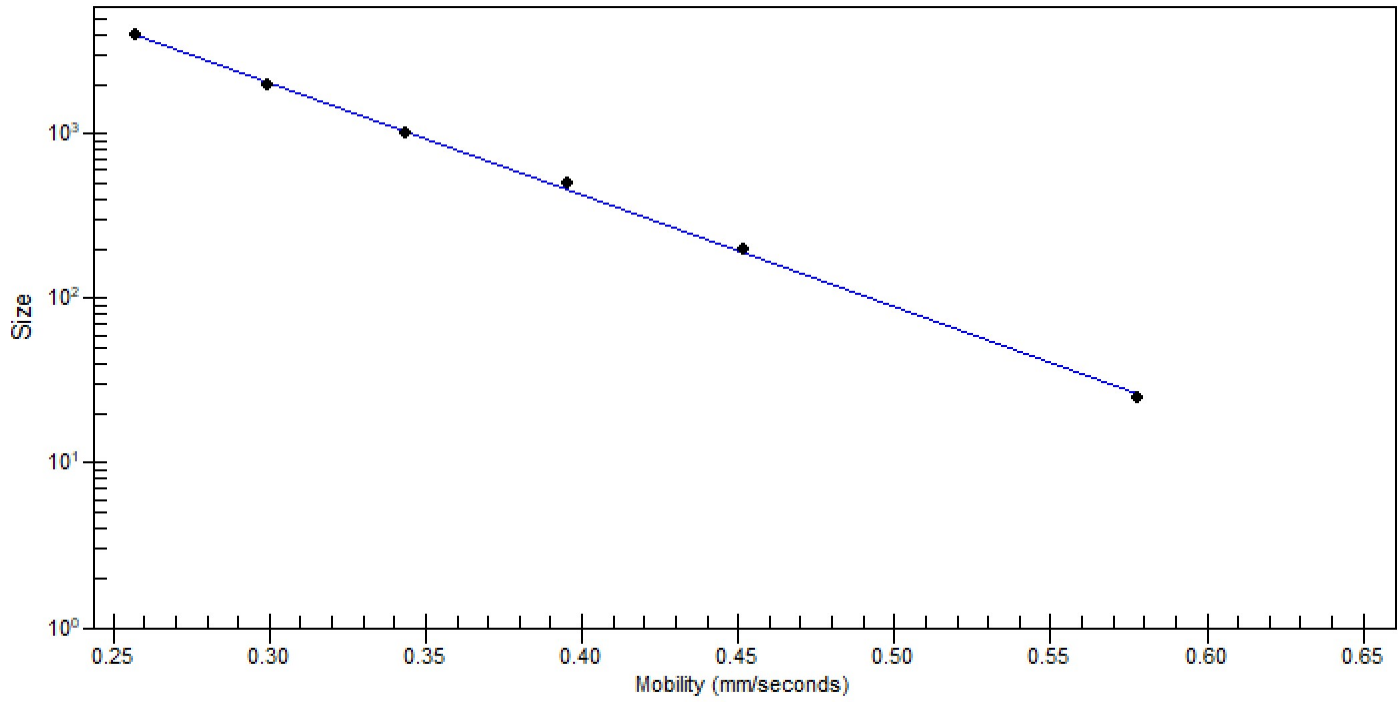


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad

Created: 11/18/2019 10:19:16 AM
Modified: 11/18/2019 10:43:11 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-18_001.xad
 Created: 11/18/2019 10:19:16 AM
 Modified: 11/18/2019 10:43:11 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		11/18/2019 10:43:08 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-11-18\Bioanalyze r1_Eukaryote Total RNA Nano_2019-11-18_001.xad)		Instrument	Run		11/18/2019 10:19:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/18/2019 10:19:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/18/2019 10:19:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/18/2019 10:19:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/18/2019 10:19:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/18/2019 10:19:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/18/2019 10:19:21 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB