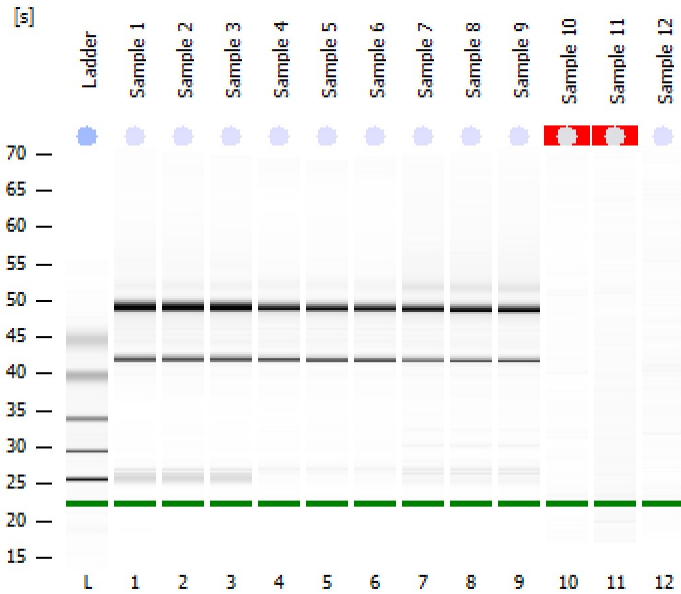


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
Modified: 1/9/2020 12:31:08 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

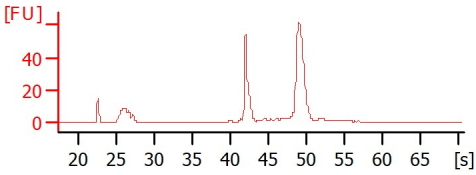
Assay Information:

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.

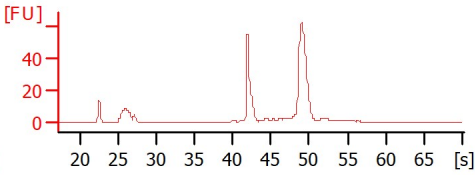
Chip Information:

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

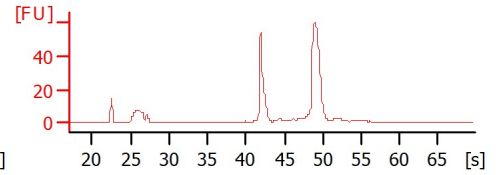
**Sample 1**  
IMR90 RNA  
RIN:10



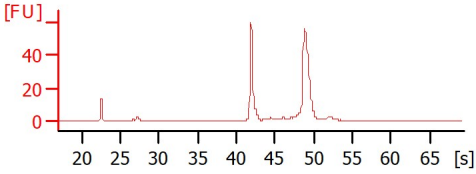
**Sample 2**  
IMR90 RNA  
RIN:10



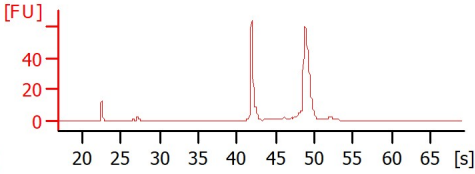
**Sample 3**  
IMR90 RNA  
RIN:10



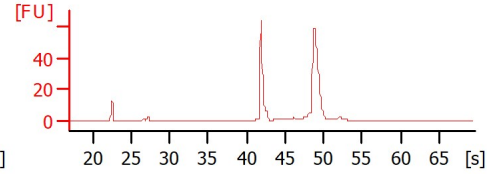
**Sample 4**  
293T RNA  
RIN: 9.90



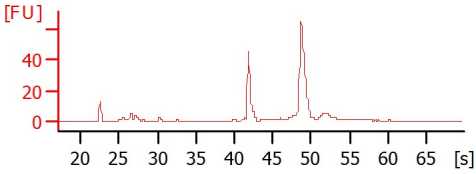
**Sample 5**  
293T RNA  
RIN:10



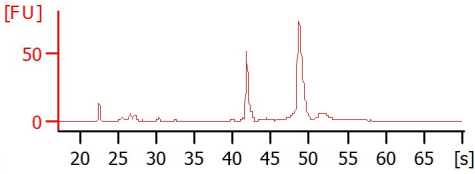
**Sample 6**  
293T RNA  
RIN:10



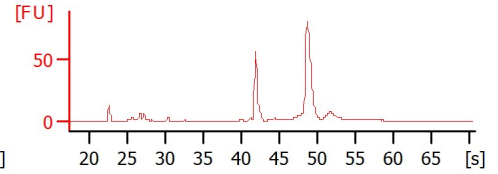
**Sample 7**  
SHSY-5Y RNA  
RIN:10



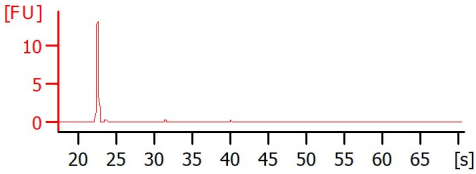
**Sample 8**  
SHSY-5Y RNA  
RIN:10



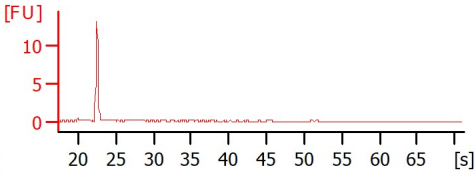
**Sample 9**  
SHSY5Y-RNA  
RIN: 9.90



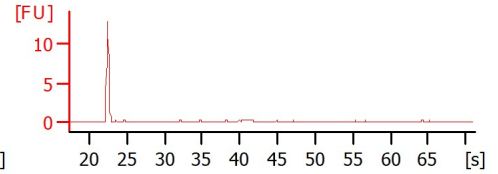
**Sample 10**  
blank  
RIN N/A



**Sample 11**  
blank  
RIN N/A



**Sample 12**  
blank  
RIN:1



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	IMR90 RNA	✓	RIN:10	
Sample 2	IMR90 RNA	✓	RIN:10	
Sample 3	IMR90 RNA	✓	RIN:10	
Sample 4	293T RNA	✓	RIN: 9.90	
Sample 5	293T RNA	✓	RIN:10	
Sample 6	293T RNA	✓	RIN:10	
Sample 7	SHSY-5Y RNA	✓	RIN:10	
Sample 8	SHSY-5Y RNA	✓	RIN:10	
Sample 9	SHSY5Y-RNA	✓	RIN: 9.90	
Sample 10	blank	✓	RIN N/A	
Sample 11	blank	✓	RIN N/A	
Sample 12	blank	✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 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

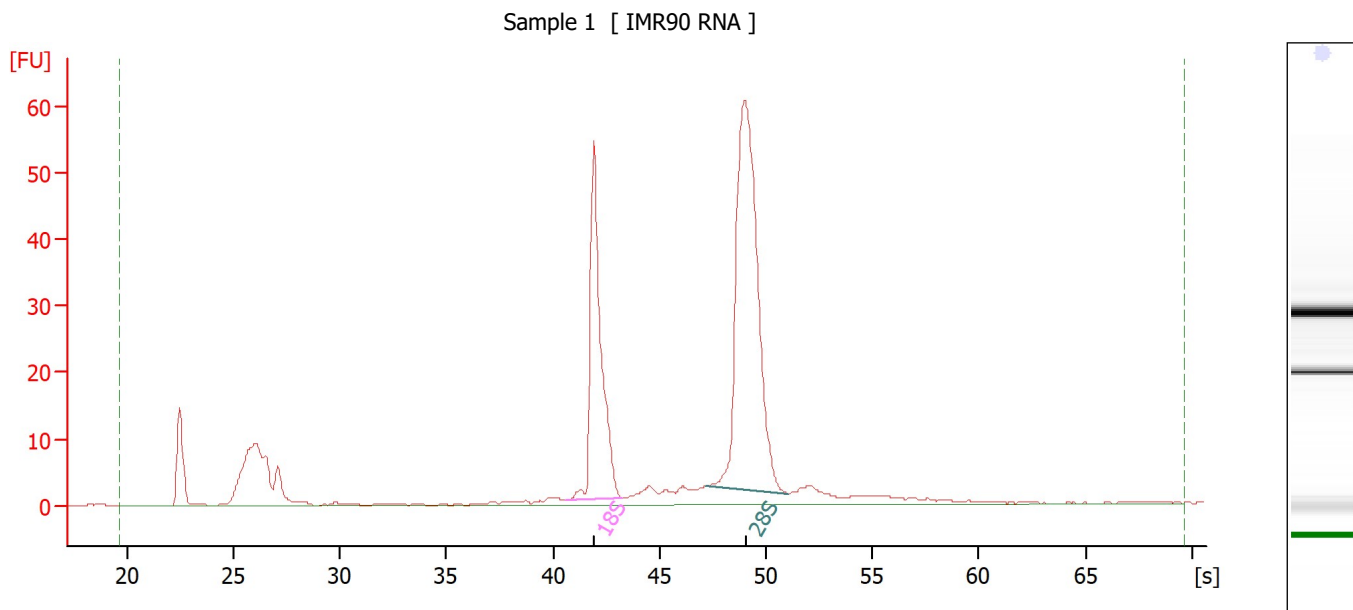
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary**



**Overall Results for sample 1 : Sample 1**

RNA Area:	331.2	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	381 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:10

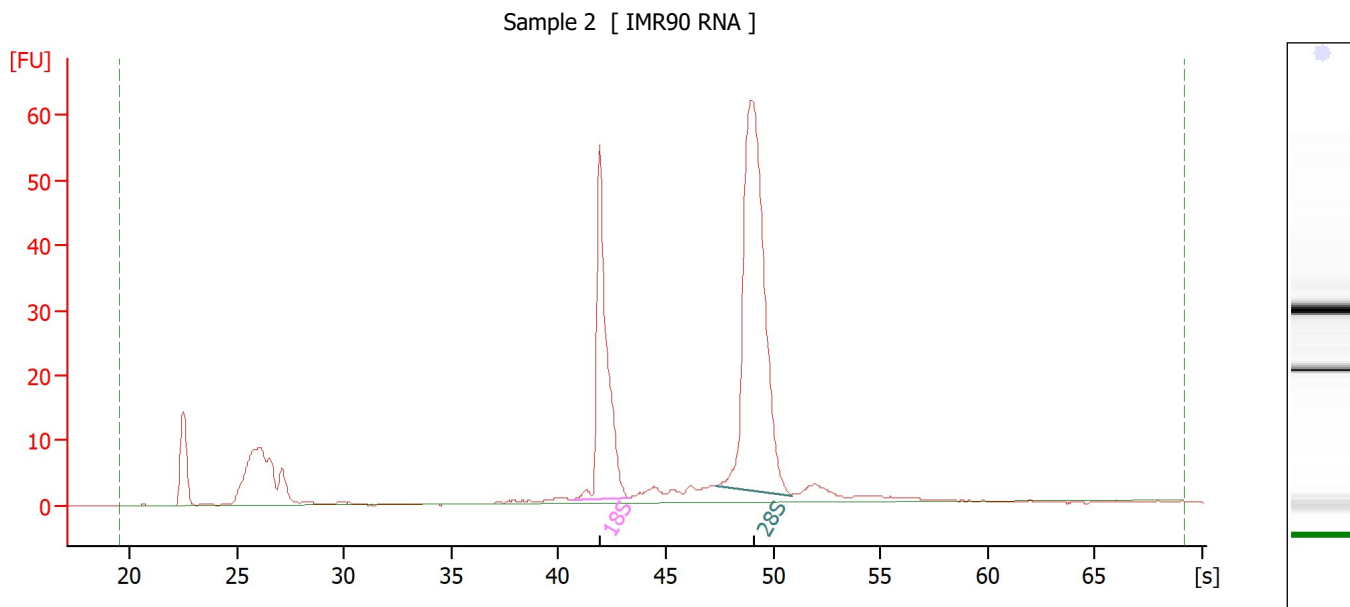
**Fragment table for sample 1 : Sample 1**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.56	43.23	71.9	21.7
28S	47.17	51.05	139.1	42.0

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Sample 2**

RNA Area:	324.0	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	373 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:10

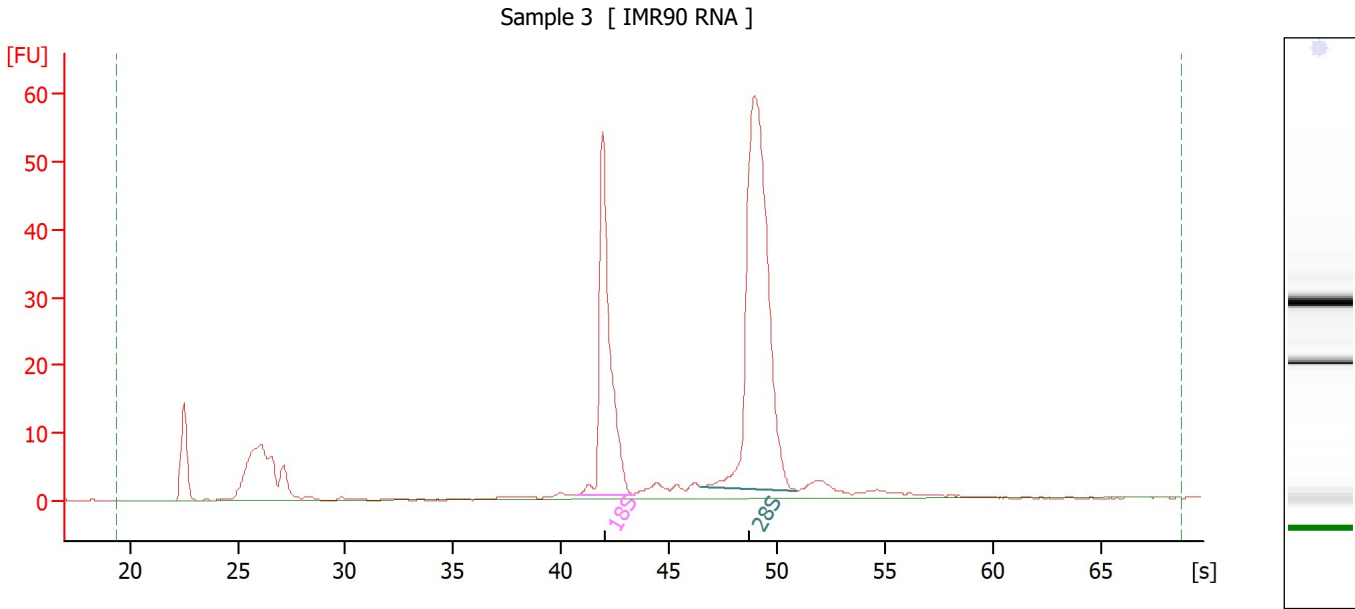
**Fragment table for sample 2 : Sample 2**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.59	43.30	71.4	22.0
28S	47.36	50.86	138.4	42.7

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Sample 3**

RNA Area:	302.7	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	348 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:10

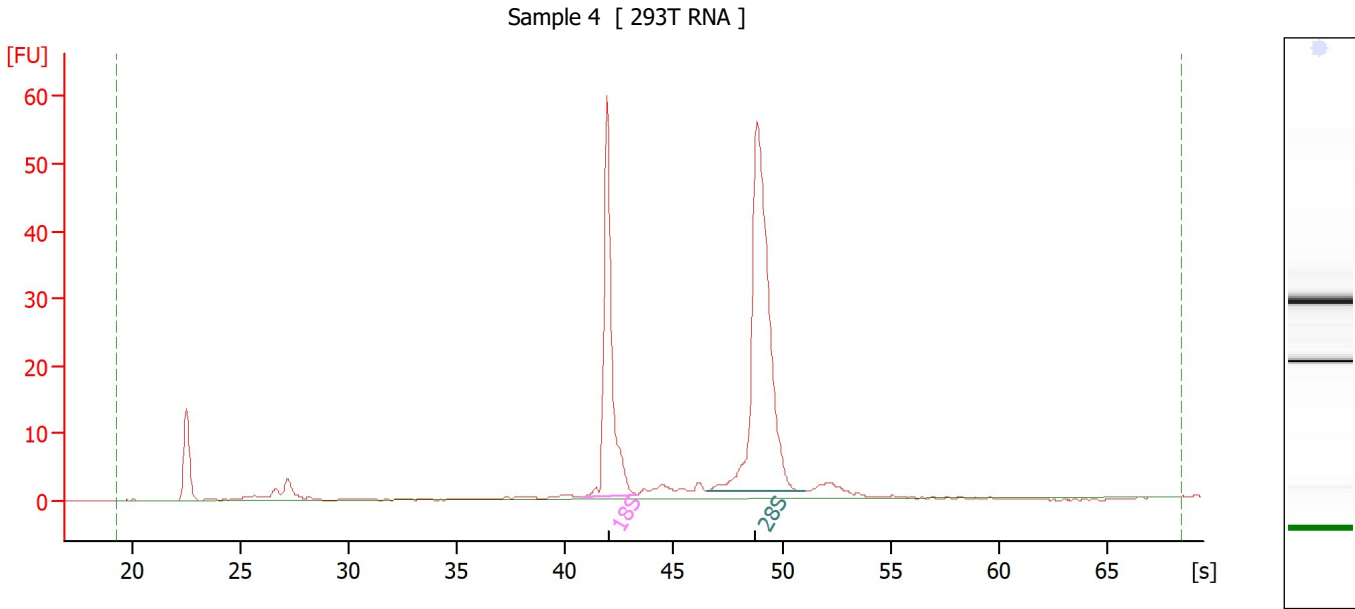
**Fragment table for sample 3 : Sample 3**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.67	43.36	68.5	22.6
28S	46.49	50.87	134.7	44.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 4**

RNA Area:	213.4	RNA Integrity Number (RIN):	9.9 (B.02.10)
RNA Concentration:	246 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.90

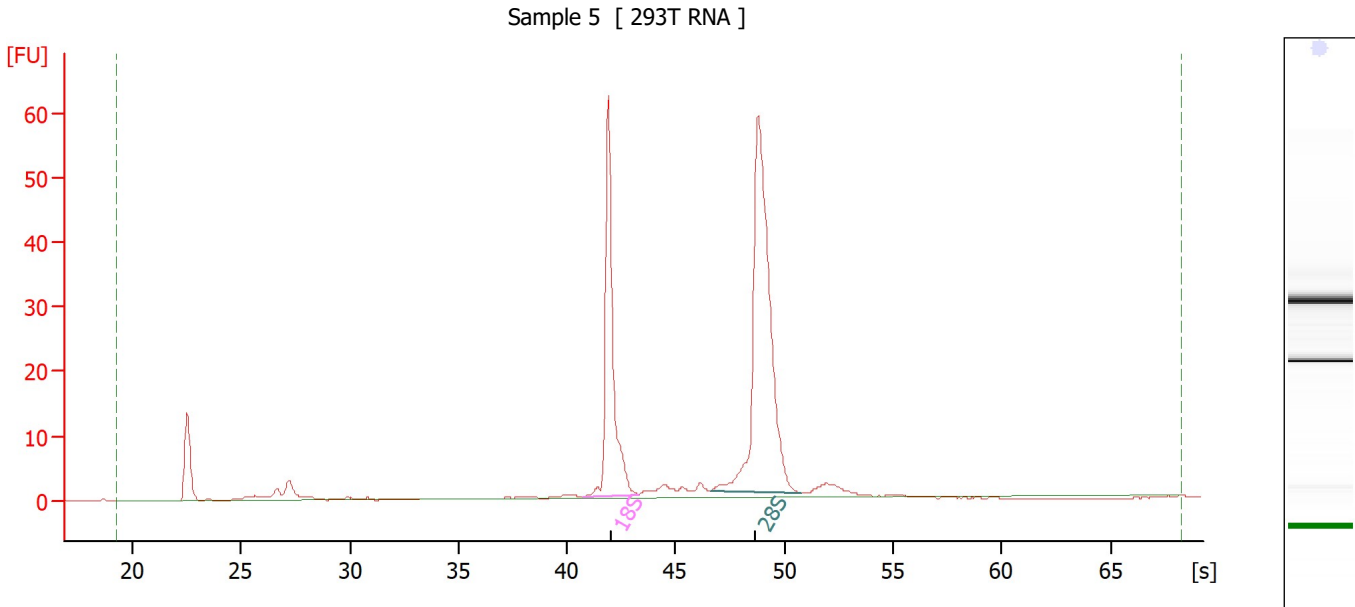
**Fragment table for sample 4 : Sample 4**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.84	43.31	58.6	27.5
28S	46.54	51.05	103.4	48.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Sample 5**

RNA Area:	207.6	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	239 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:10

**Fragment table for sample 5 : Sample 5**

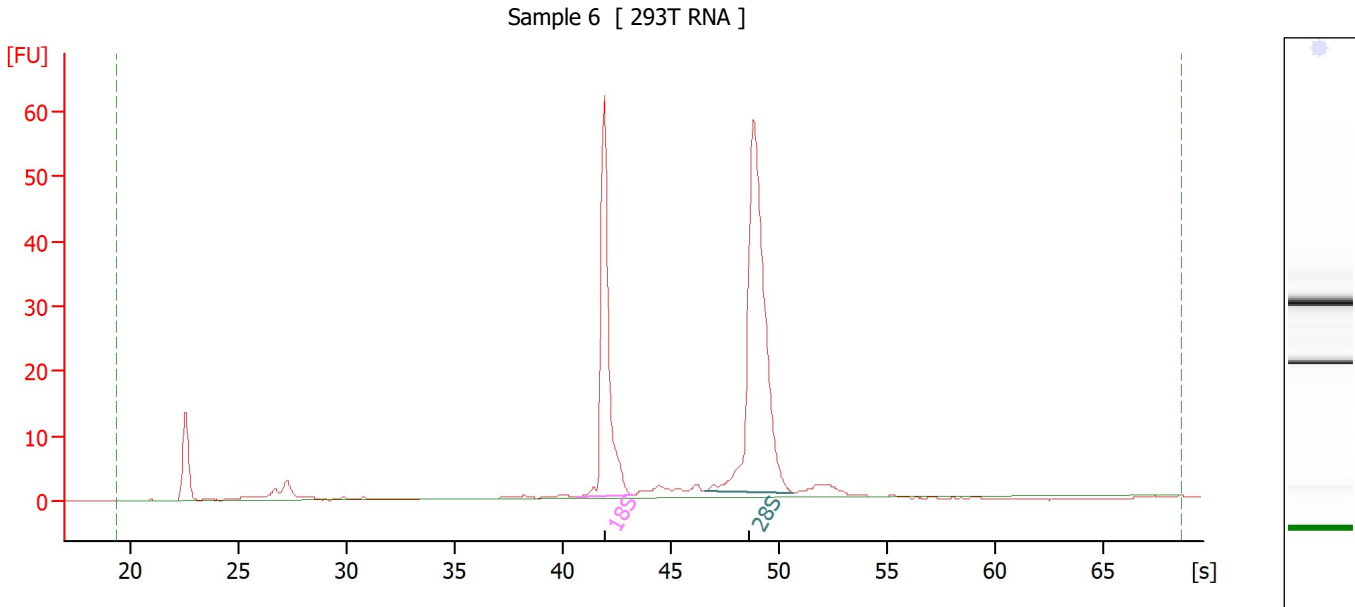
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.70	43.27	60.3	29.0
28S	46.58	50.79	106.3	51.2



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Sample 6**

RNA Area:	207.7	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	239 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:10

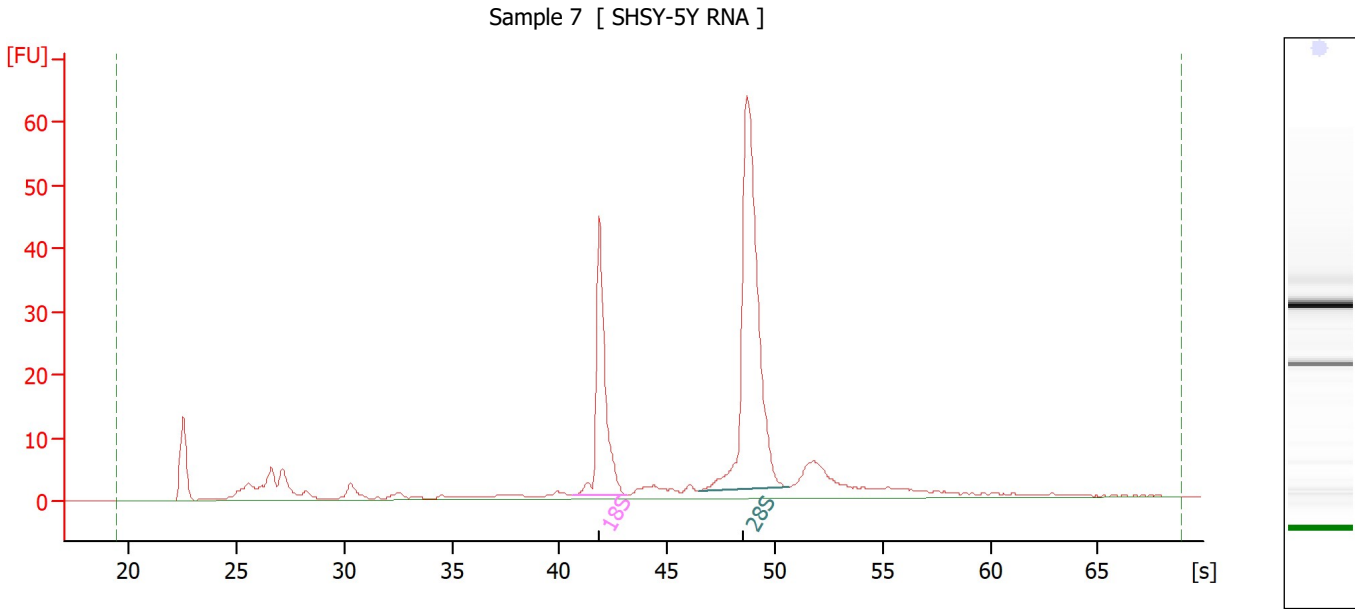
**Fragment table for sample 6 : Sample 6**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.63	43.21	59.5	28.6
28S	46.54	50.61	105.1	50.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Sample 7**

RNA Area:	272.7	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	314 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

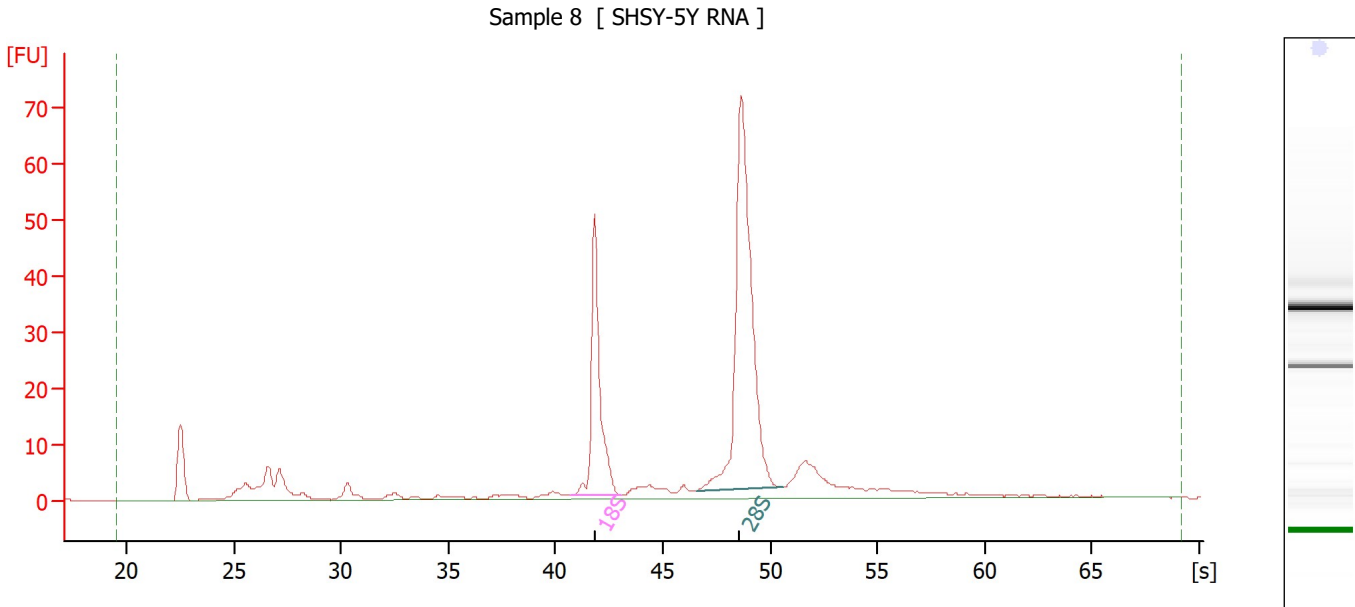
**Fragment table for sample 7 : Sample 7**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.61	43.15	48.8	17.9
28S	46.45	50.64	107.6	39.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Sample 8**

RNA Area:	302.2	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	348 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN:10

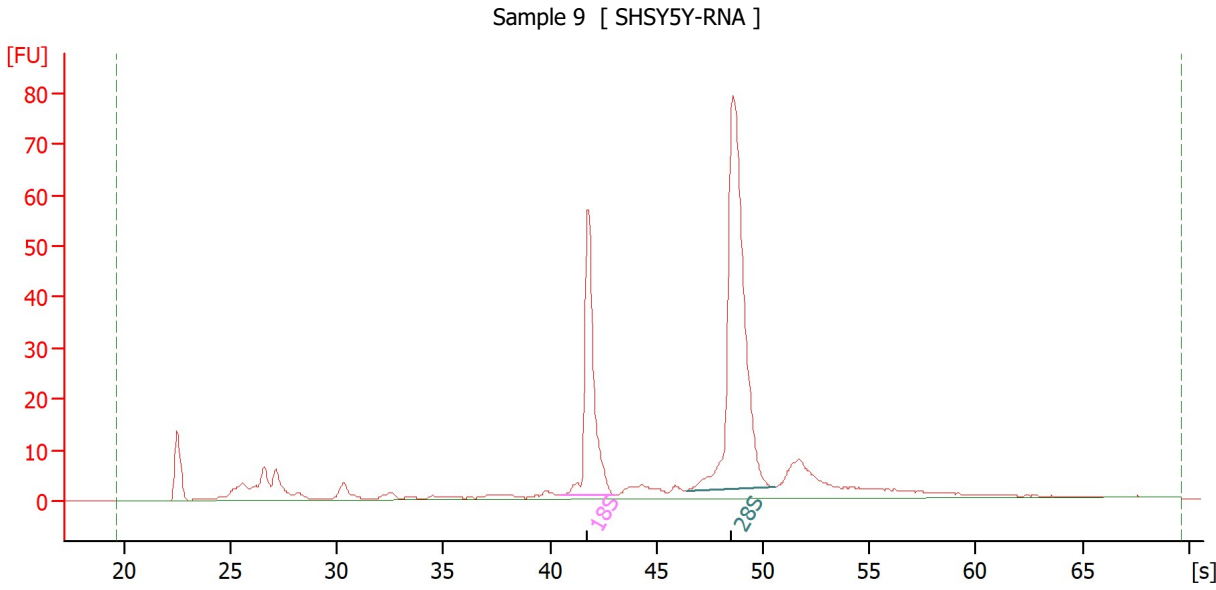
**Fragment table for sample 8 : Sample 8**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.69	43.05	55.6	18.4
28S	46.55	50.56	122.5	40.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Sample 9**

RNA Area:	350.8	RNA Integrity Number (RIN):	9.9 (B.02.10)
RNA Concentration:	404 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.90

**Fragment table for sample 9 : Sample 9**

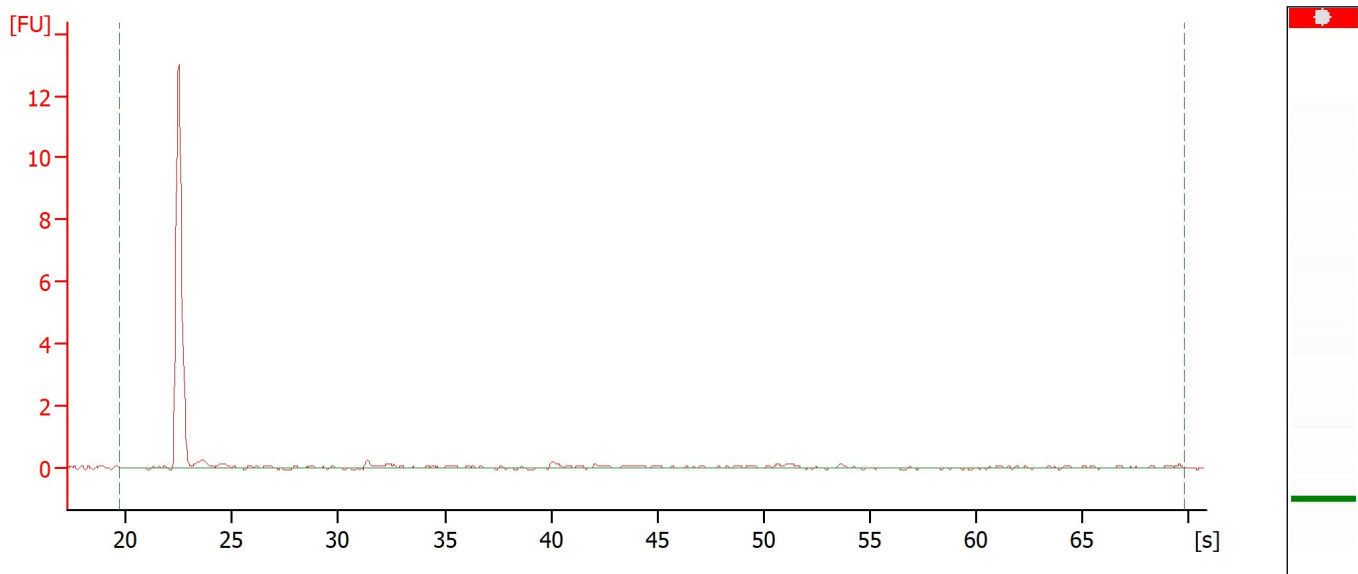
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.51	43.03	63.2	18.0
28S	46.41	50.60	137.8	39.3

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**

Sample 10 [ blank ]



**Overall Results for sample 10 : Sample 10**

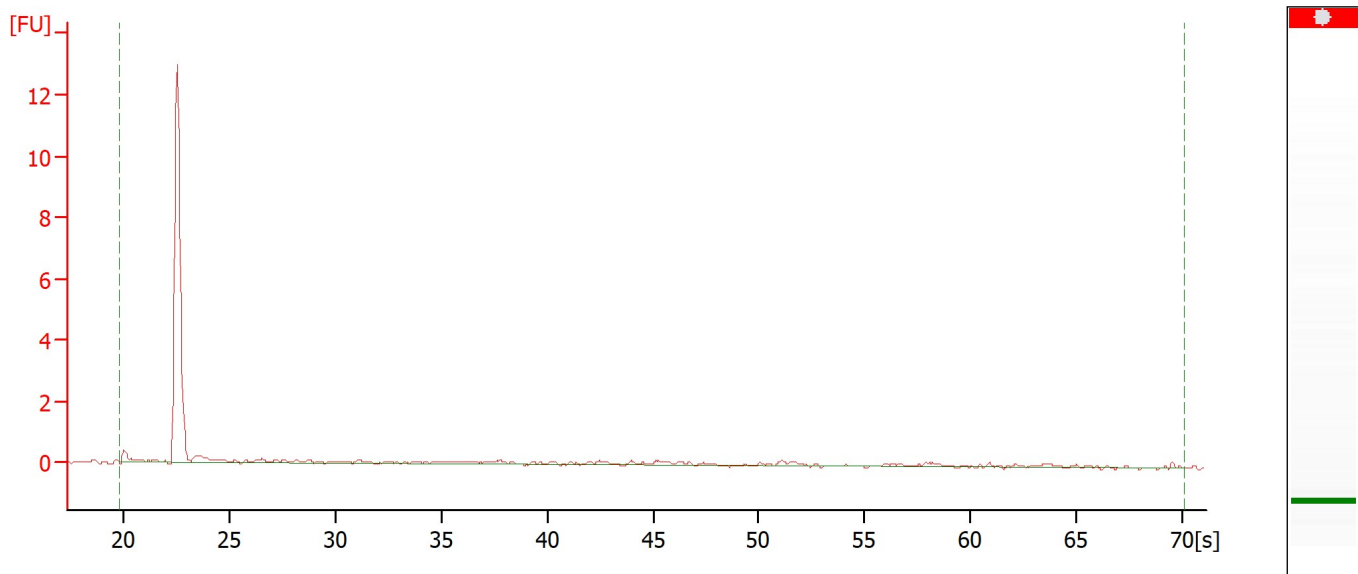
RNA Area:	2.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
 Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**

Sample 11 [ blank ]



**Overall Results for sample 11 : Sample 11**

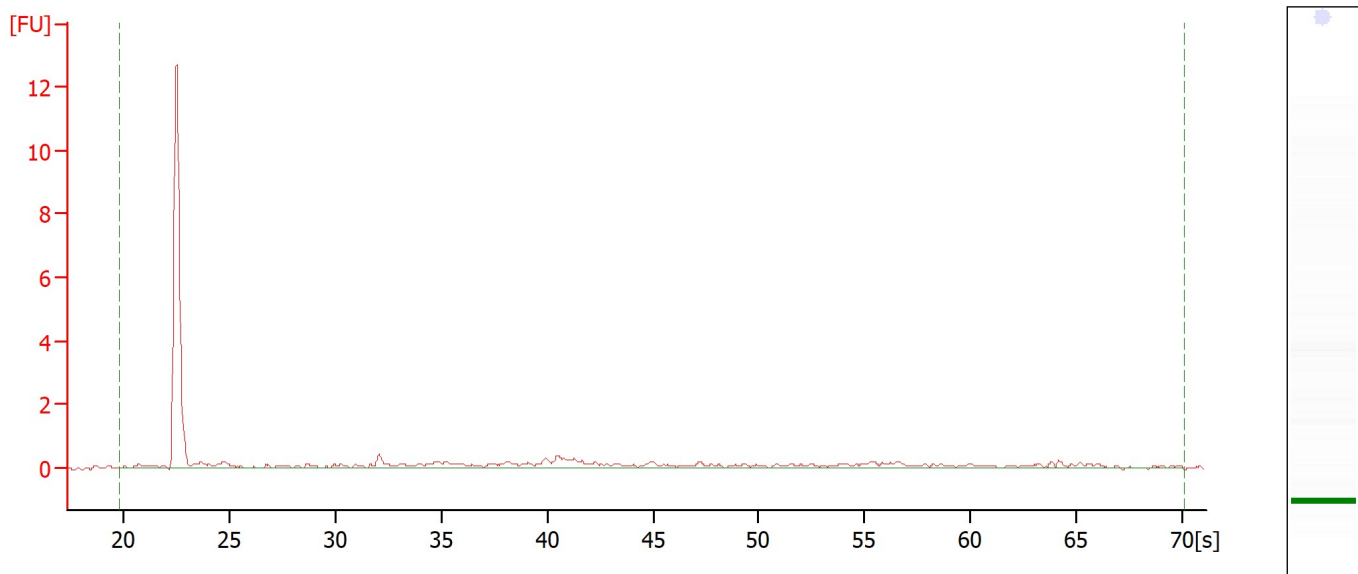
RNA Area:	6.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
Modified: 1/9/2020 12:31:08 PM

**Electropherogram Summary Continued ...**

Sample 12 [ blank ]



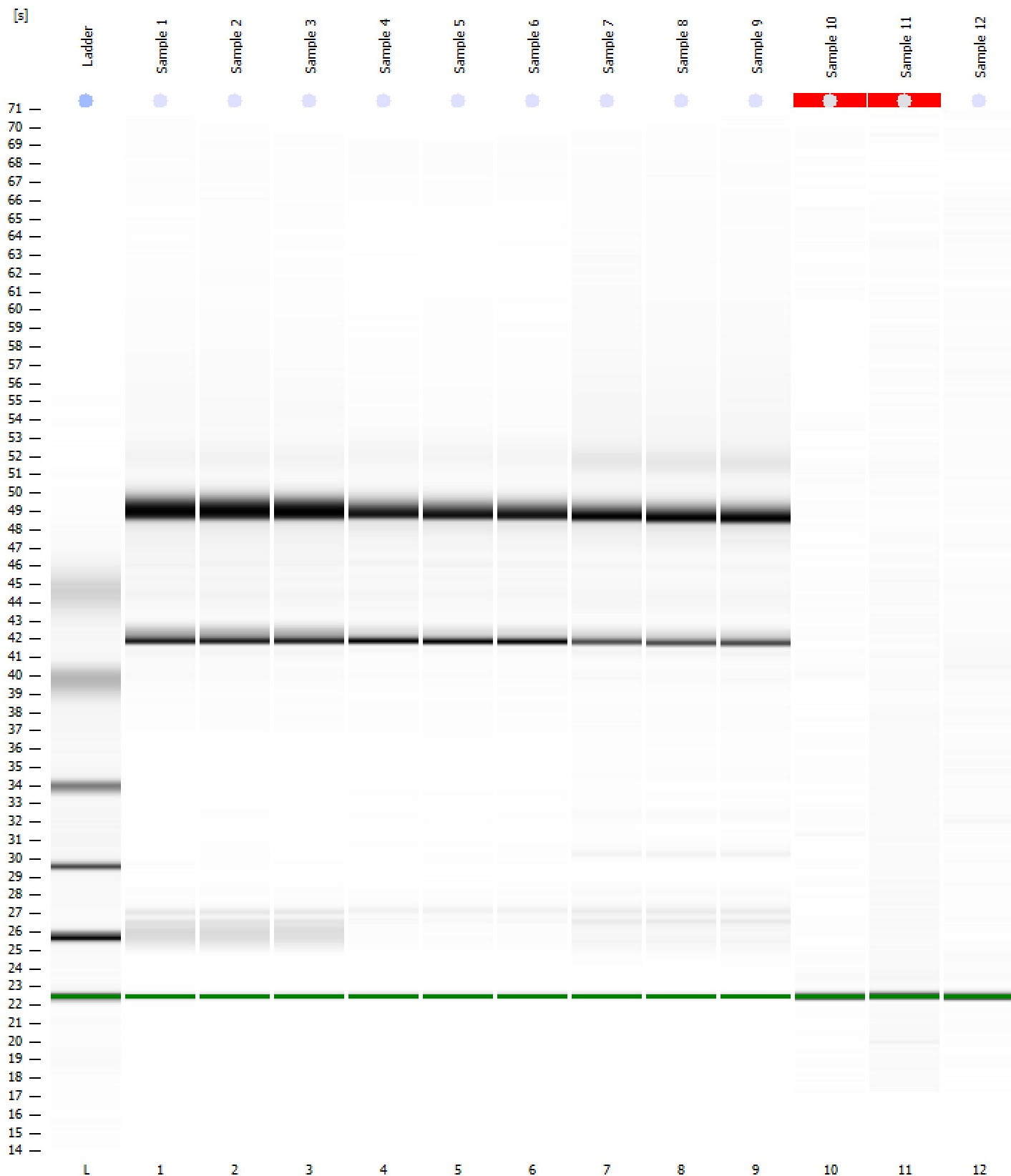
**Overall Results for sample 12 : Sample 12**

RNA Area:	11.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	13 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
Modified: 1/9/2020 12:31:08 PM

**Gel Image**



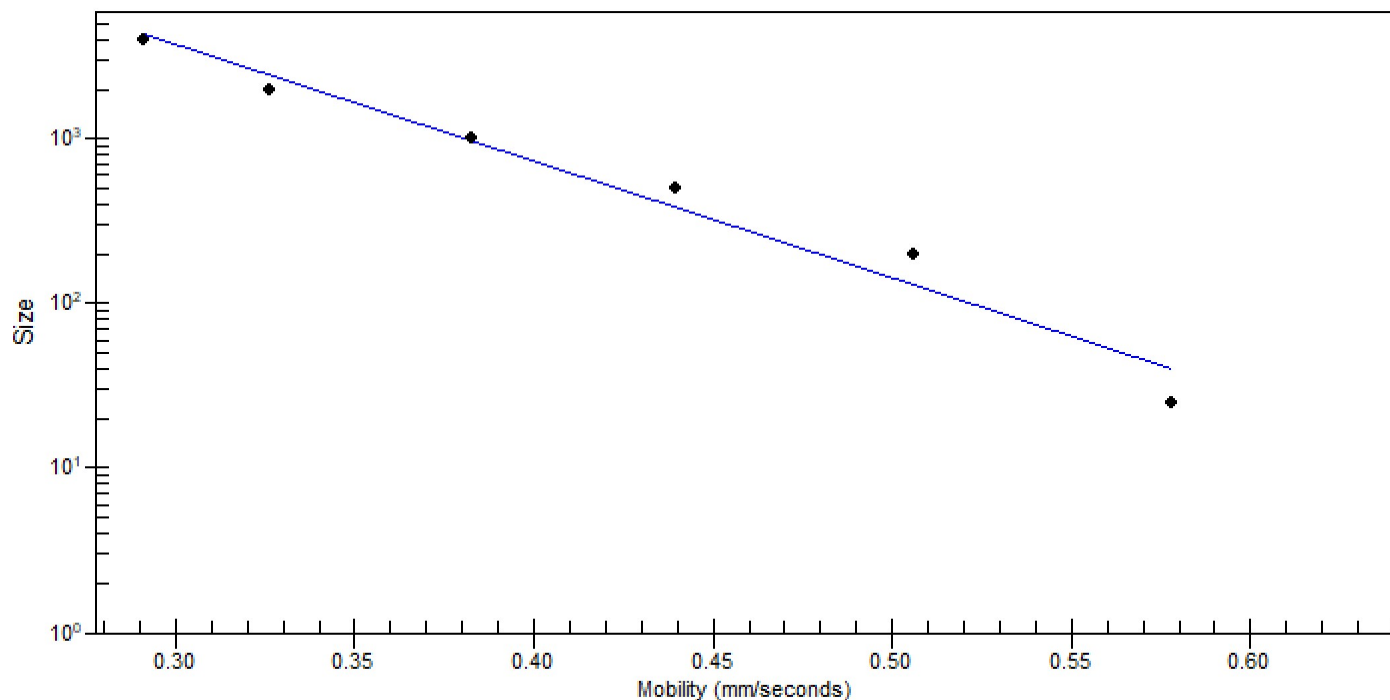


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad

Created: 1/9/2020 12:08:04 PM  
Modified: 1/9/2020 12:31:08 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano Created: 1/9/2020 12:08:04 PM  
 Data Path: Z:\...09\Bioanalyzer1\_Eukaryote Total RNA Nano\_2020-01-09\_002.xad Modified: 1/9/2020 12:31:08 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		1/9/2020 12:31:06 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-09\Bioanalyze r1_Eukaryote Total RNA Nano_2020-01-09_002.xad)		Instrument	Run		1/9/2020 12:08:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/9/2020 12:08:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/9/2020 12:08:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/9/2020 12:08:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/9/2020 12:08:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/9/2020 12:08:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/9/2020 12:08:10 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB