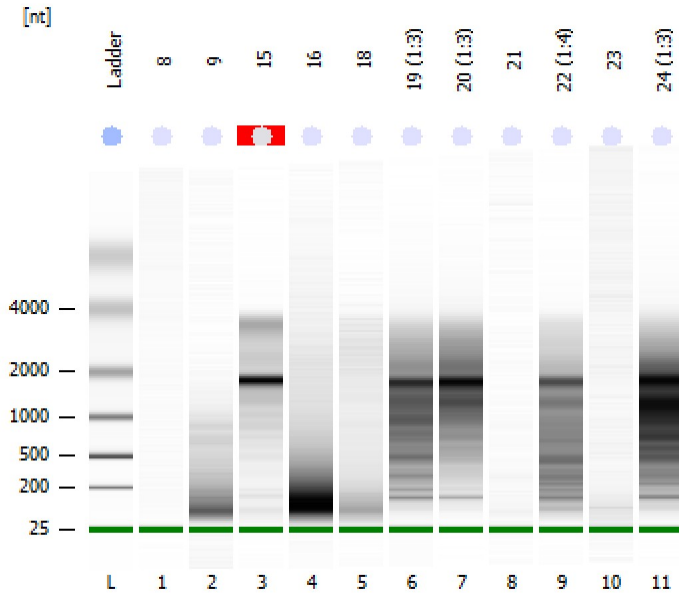


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Electrophoresis File Run Summary



Instrument Information:

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

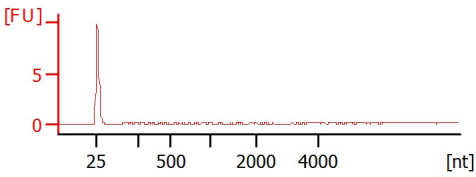
Assay Information:

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.

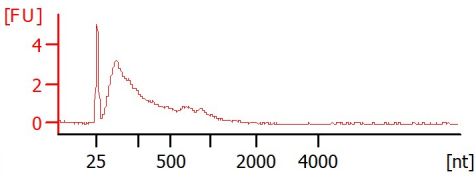
Chip Information:

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

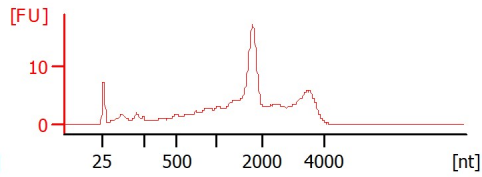
Tag0217 RIN:1 **8**



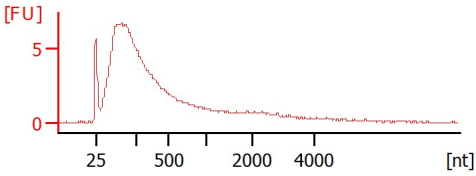
Tag0217 RIN: 2.40 **9**



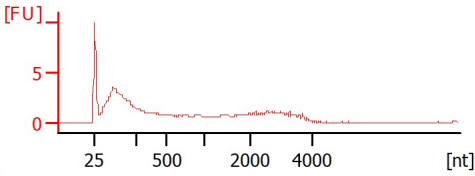
Tag0217 RIN N/A **15**



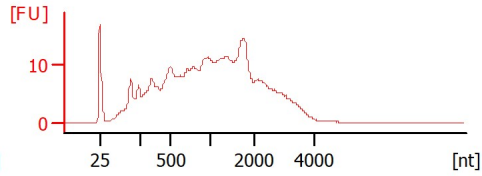
Tag0217 RIN: 2.30 **16**



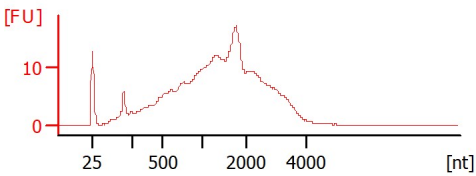
Tag0217 RIN: 2.40 **18**



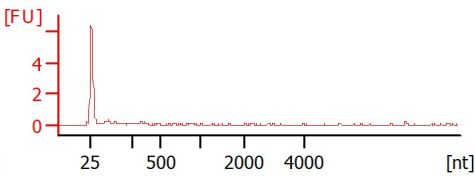
Tag0217 RIN: 3.30 **19 (1:3)**



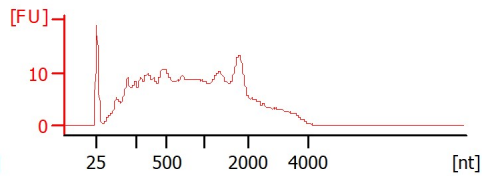
Tag0217 RIN: 3.30 **20 (1:3)**



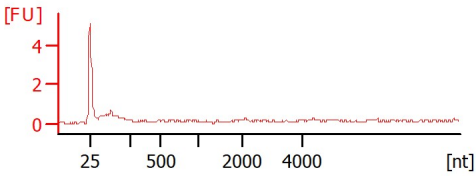
Tag0217 RIN:1 **21**



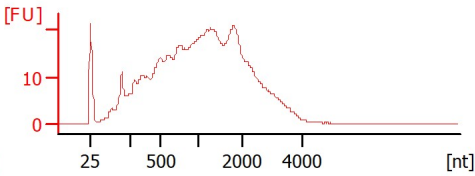
Tag0217 RIN: 3.70 **22 (1:4)**



Tag0217 RIN: 1.40 **23**



Tag0217 RIN: 3.30 **24 (1:3)**



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
8	Tag0217	✓	RIN:1	
9	Tag0217	✓	RIN: 2.40	
15	Tag0217	✓	RIN N/A	
16	Tag0217	✓	RIN: 2.30	
18	Tag0217	✓	RIN: 2.40	
19 (1:3)	Tag0217	✓	RIN: 3.30	
20 (1:3)	Tag0217	✓	RIN: 3.30	
21	Tag0217	✓	RIN:1	
22 (1:4)	Tag0217	✓	RIN: 3.70	
23	Tag0217	✓	RIN: 1.40	
24 (1:3)	Tag0217	✓	RIN: 3.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 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

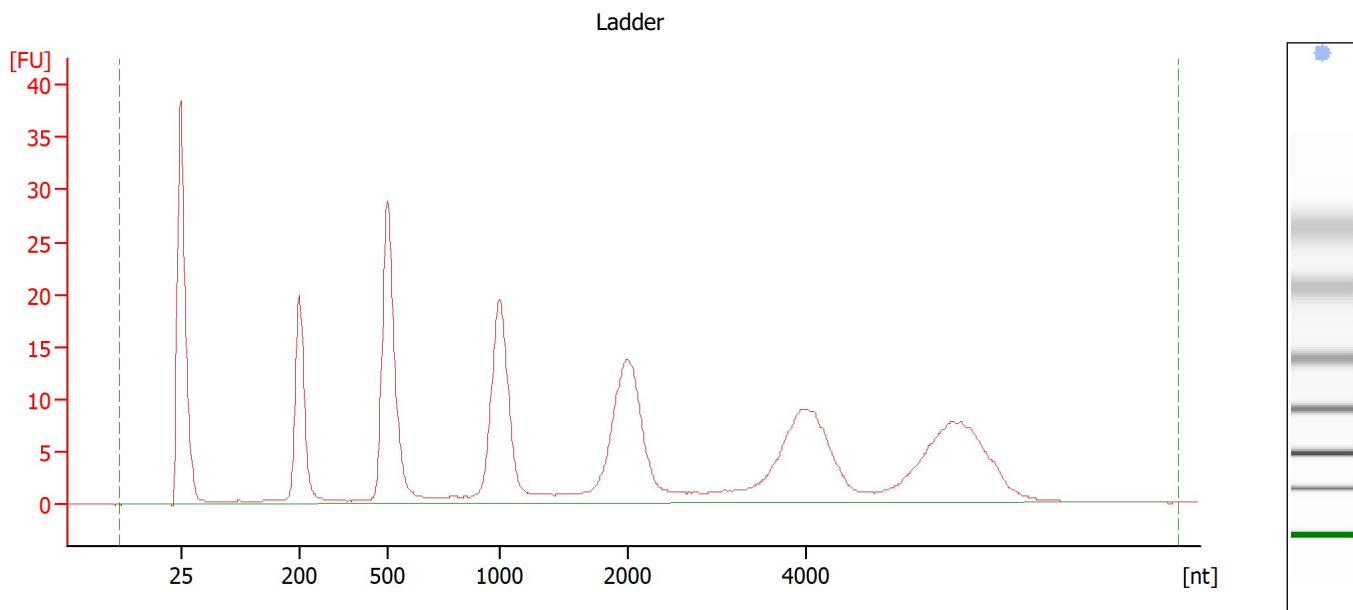
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary



Overall Results for Ladder

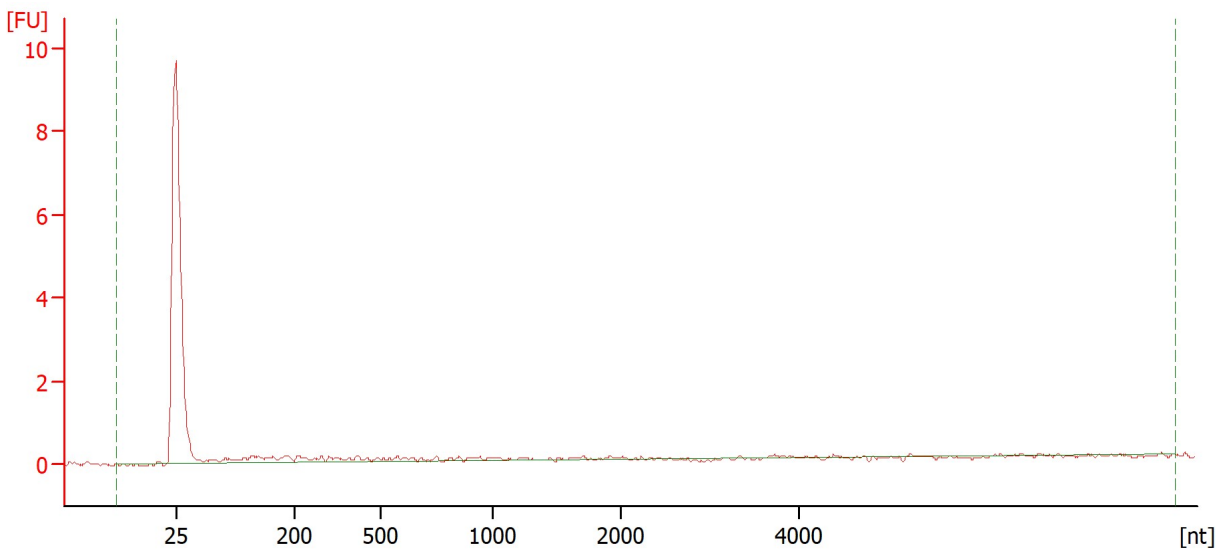
RNA Area:	328.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...

8 [Tag0217]



Overall Results for sample 1 : 8

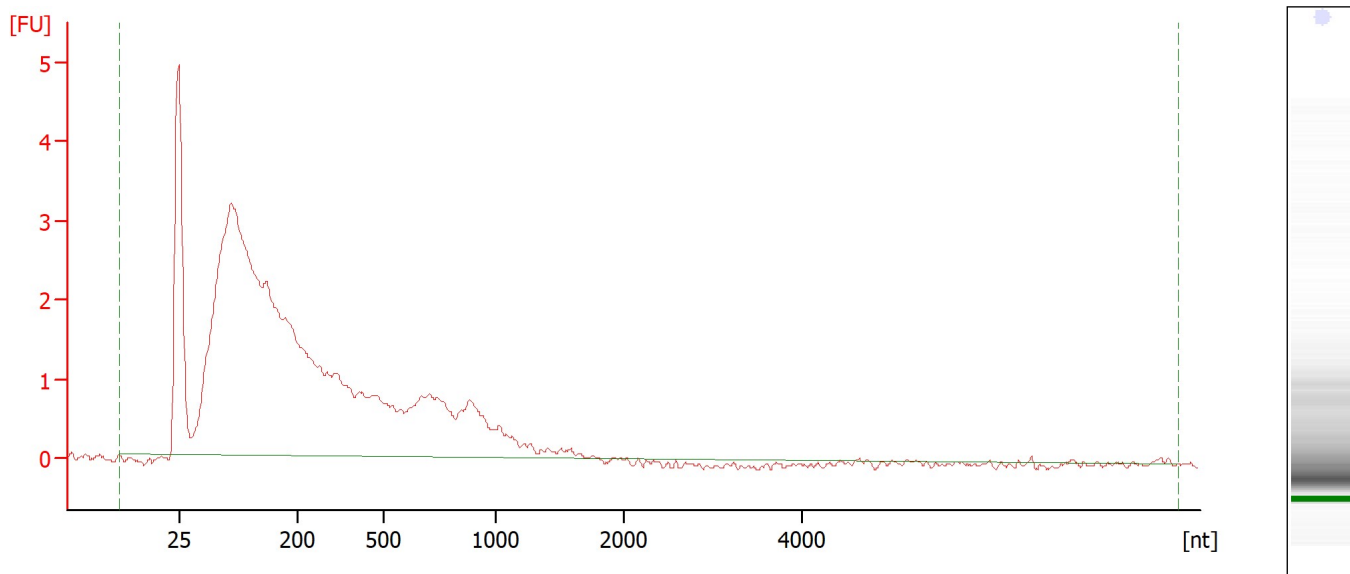
RNA Area:	4.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	13 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...

9 [Tag0217]



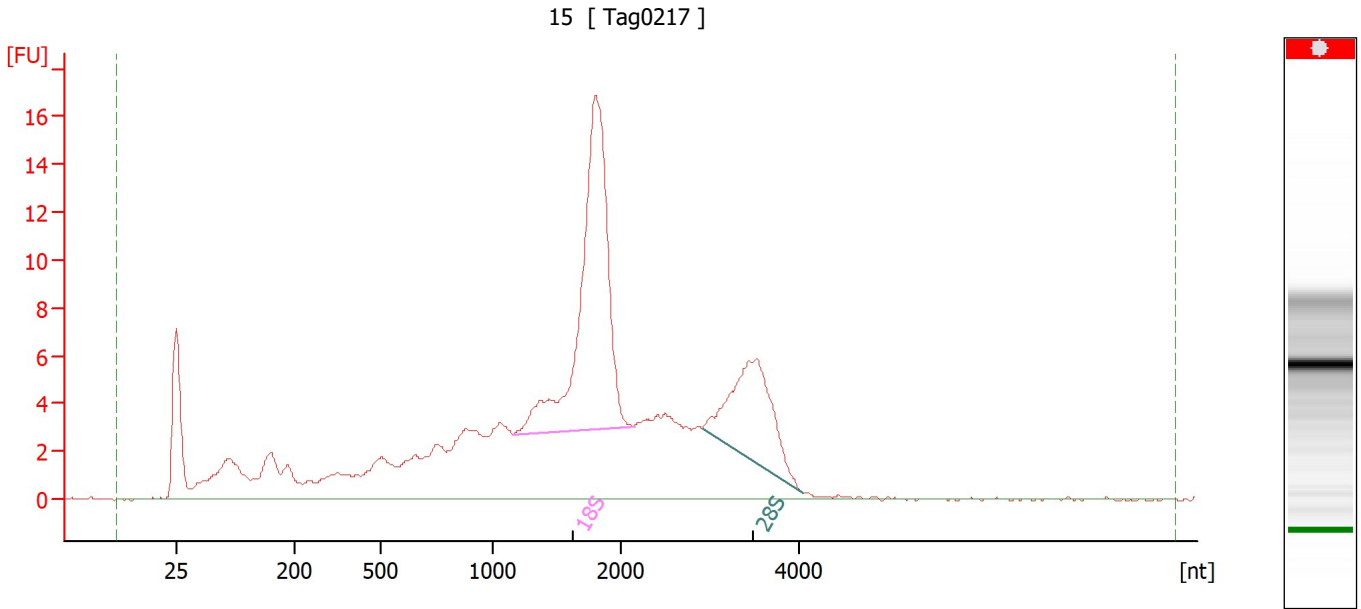
Overall Results for sample 2 : 9

RNA Area:	64.0	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	195 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 15

RNA Area:	224.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	683 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN N/A

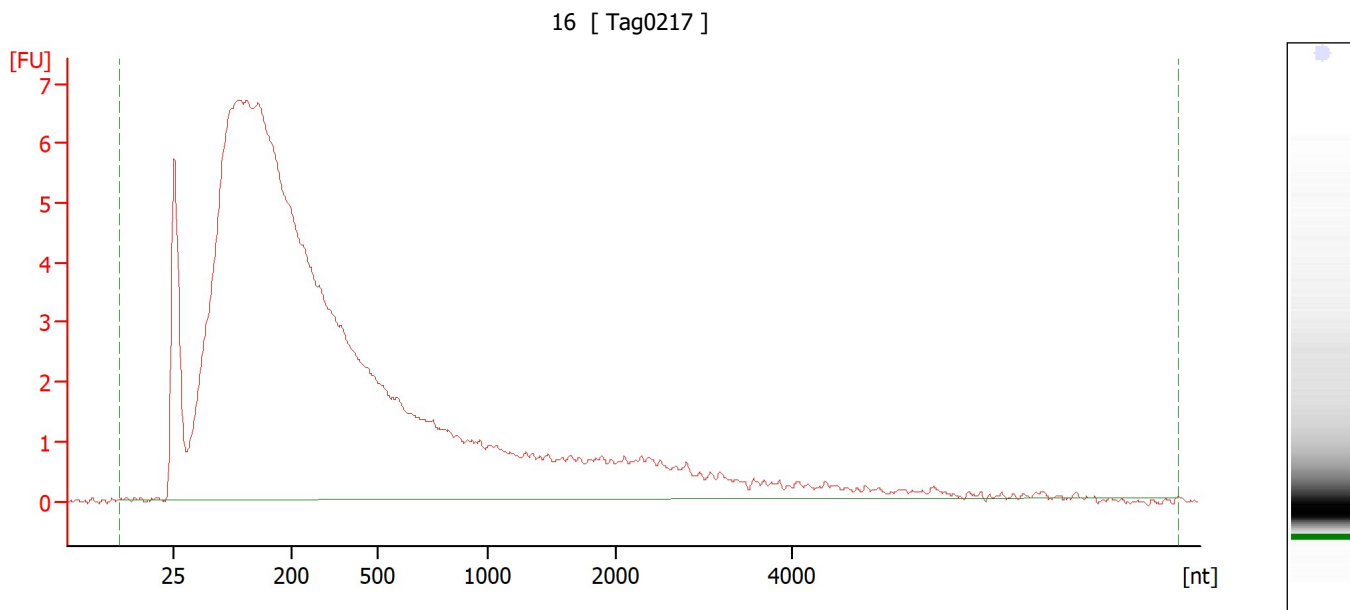
Fragment table for sample 3 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,160	2,143	49.5	22.0
28S	2,918	4,055	19.4	8.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



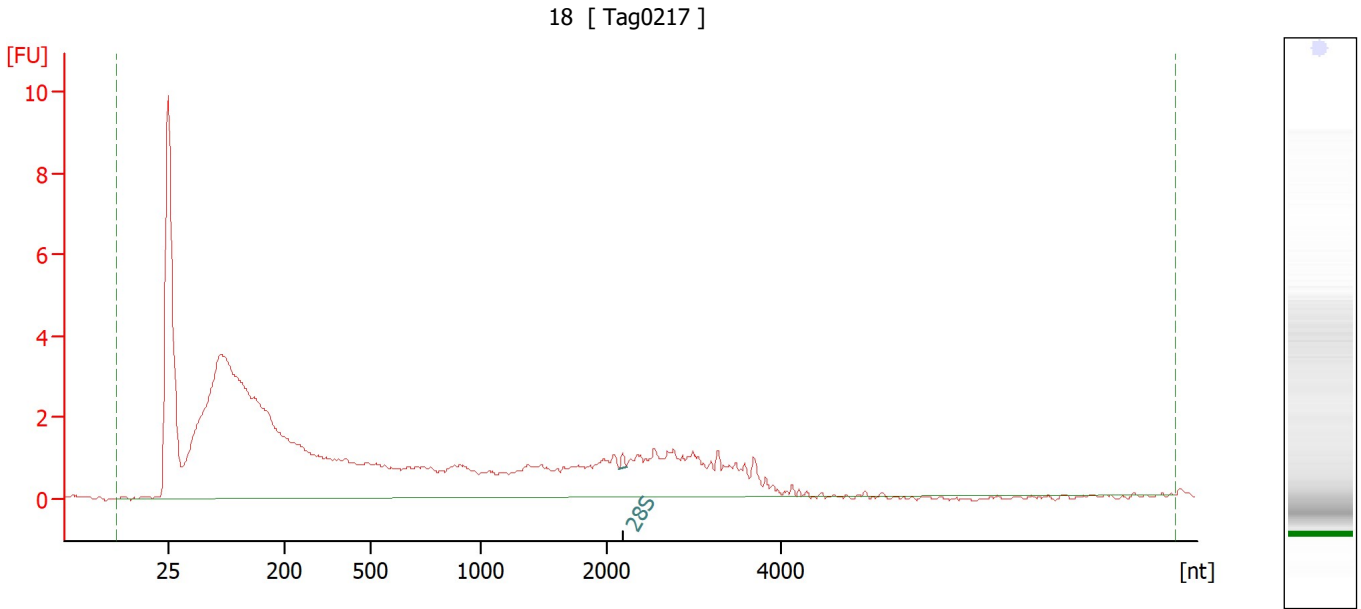
Overall Results for sample 4 : 16

RNA Area:	181.6	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	553 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 18

RNA Area:	97.0	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	295 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

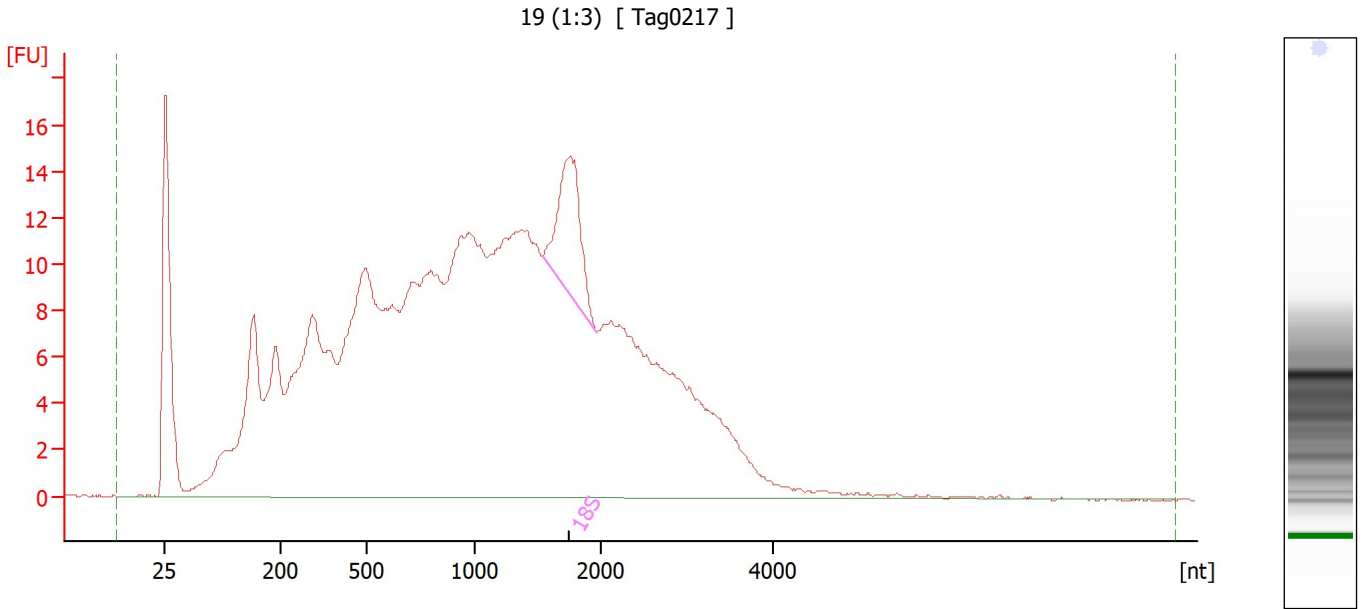
Fragment table for sample 5 : 18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,140	2,226	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 19 (1:3)

RNA Area:	532.8	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	1,622 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

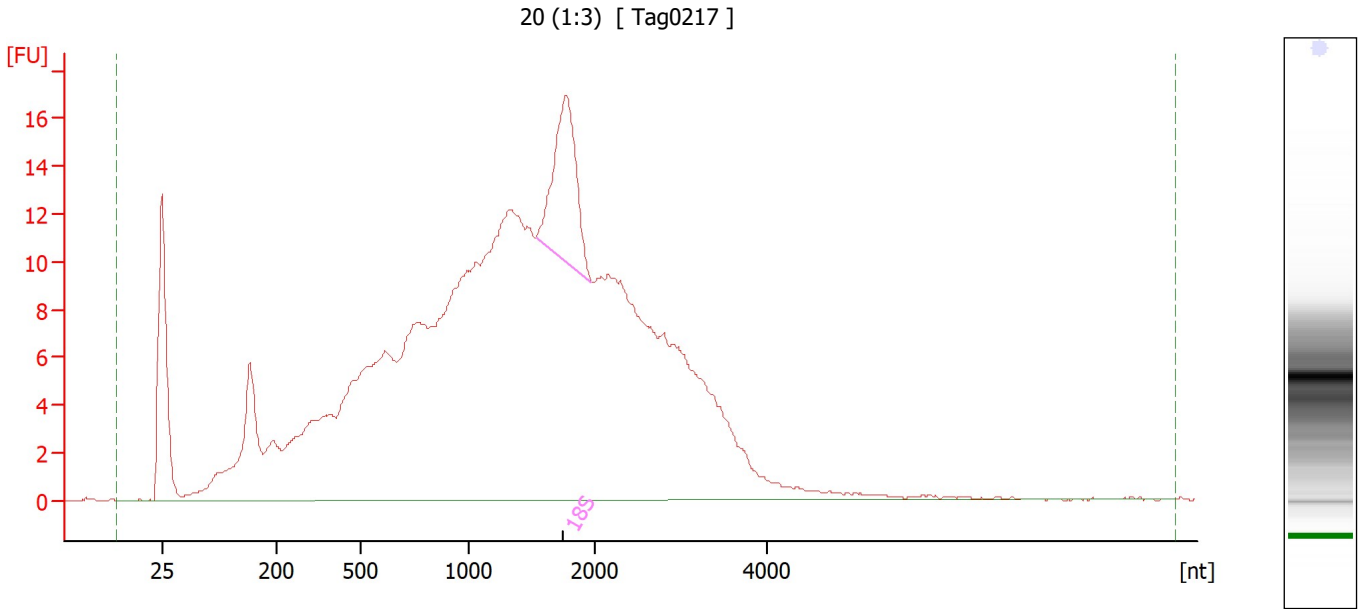
Fragment table for sample 6 : 19 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,968	17.7	3.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 20 (1:3)

RNA Area:	469.2	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	1,428 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

Fragment table for sample 7 : 20 (1:3)

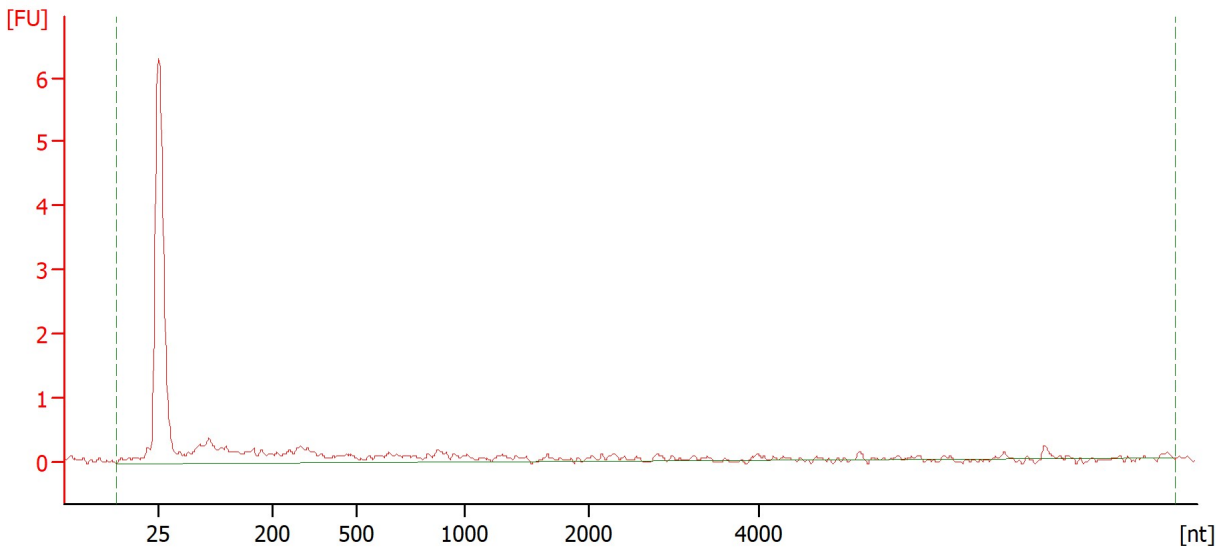
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,974	20.9	4.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...

21 [Tag0217]



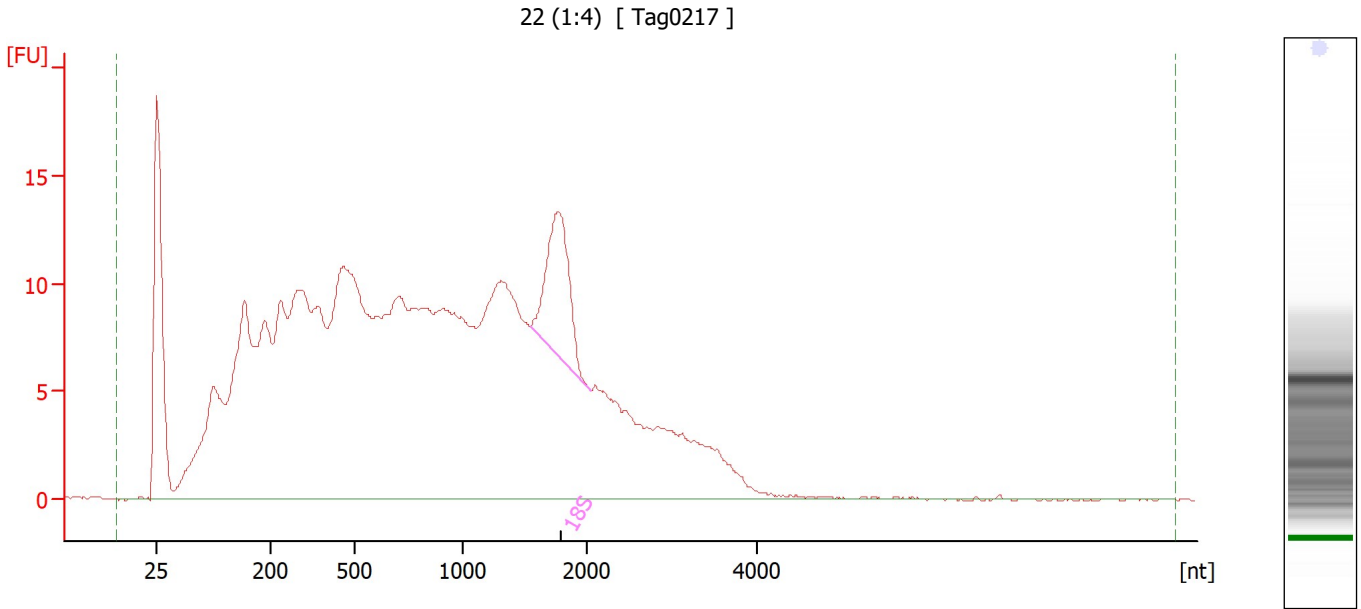
Overall Results for sample 8 : 21

RNA Area:	9.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	28 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 22 (1:4)

RNA Area:	541.9	RNA Integrity Number (RIN):	3.7 (B.02.10)
RNA Concentration:	1,650 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.70

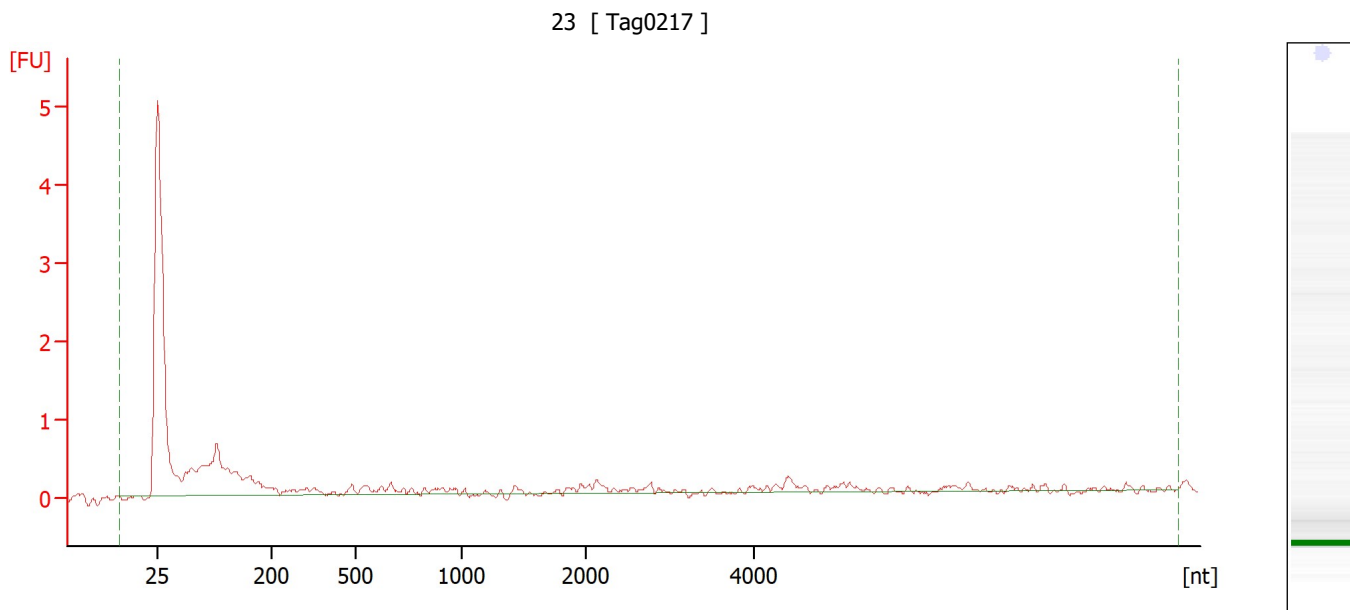
Fragment table for sample 9 : 22 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	2,047	20.6	3.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



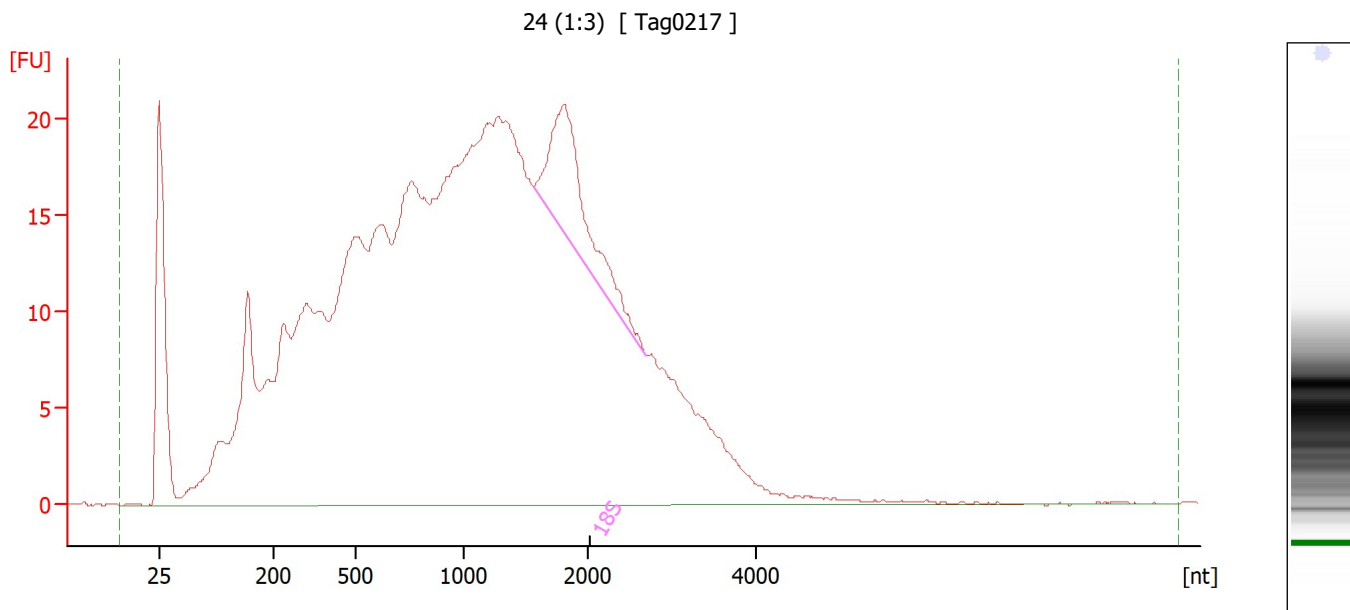
Overall Results for sample 10 : 23

RNA Area:	9.4	RNA Integrity Number (RIN):	1.4 (B.02.10)
RNA Concentration:	29 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 24 (1:3)

RNA Area:	846.3	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	2,576 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

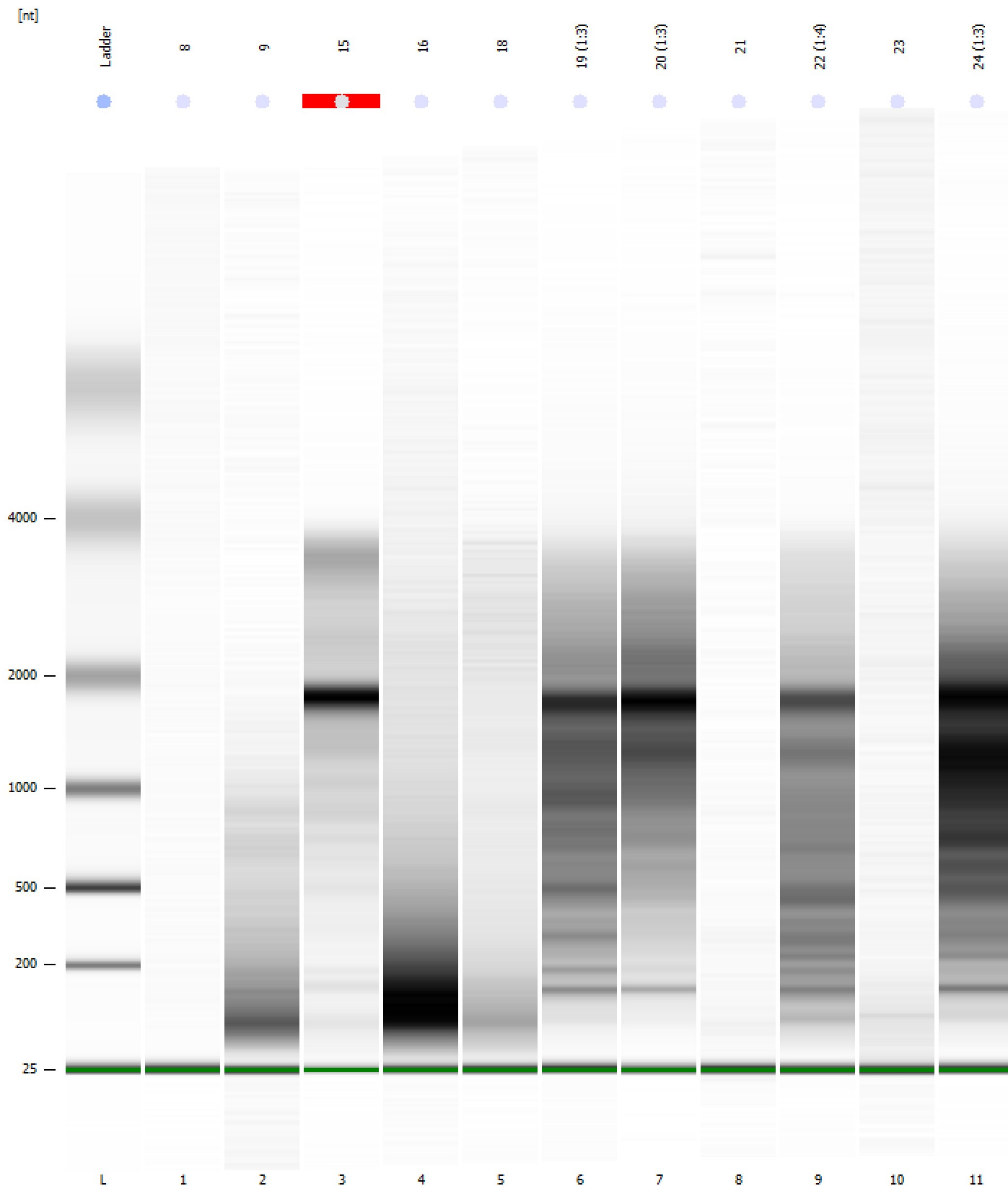
Fragment table for sample 11 : 24 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	2,690	31.3	3.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Gel Image

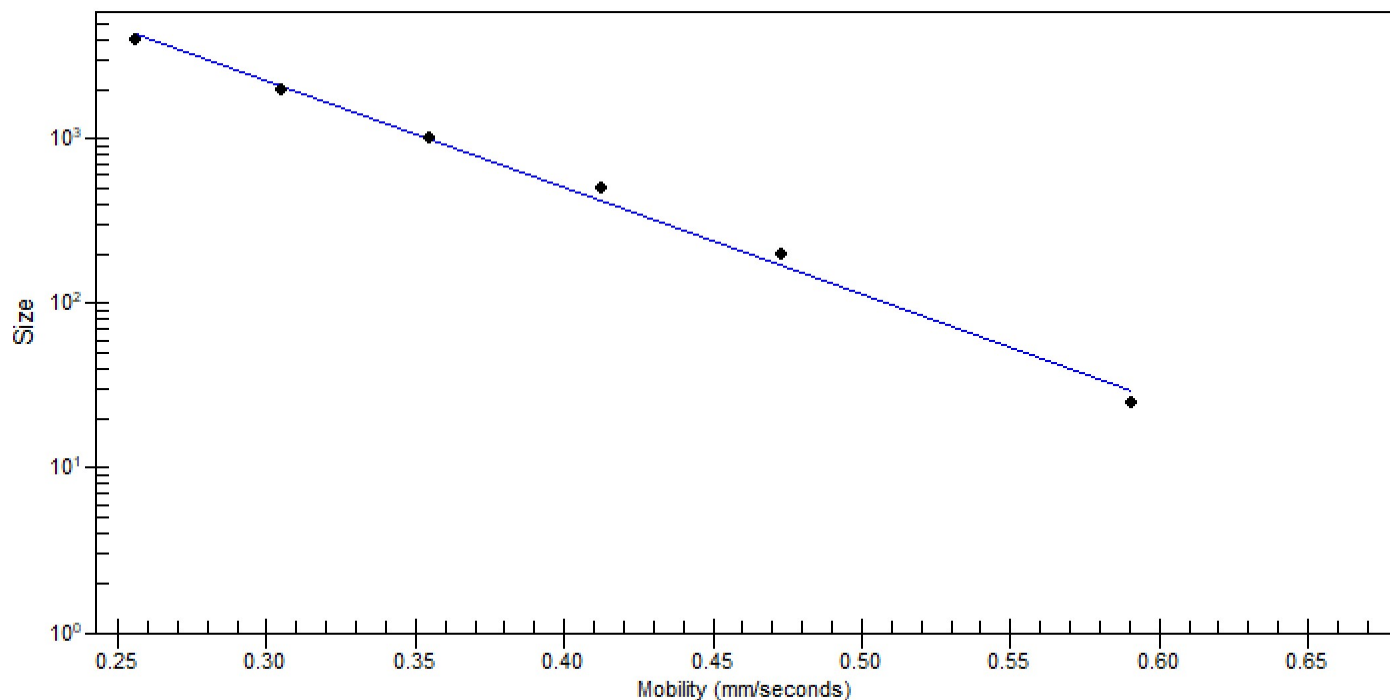


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
Modified: 6/14/2023 12:04:25 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad

Created: 6/14/2023 11:41:26 AM
 Modified: 6/14/2023 12:04:25 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		6/14/2023 12:04:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-14_001.xad)		Instrument	Run		6/14/2023 11:41:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/14/2023 11:41:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/14/2023 11:41:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/14/2023 11:41:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/14/2023 11:41:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/14/2023 11:41:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/14/2023 11:41:32 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB