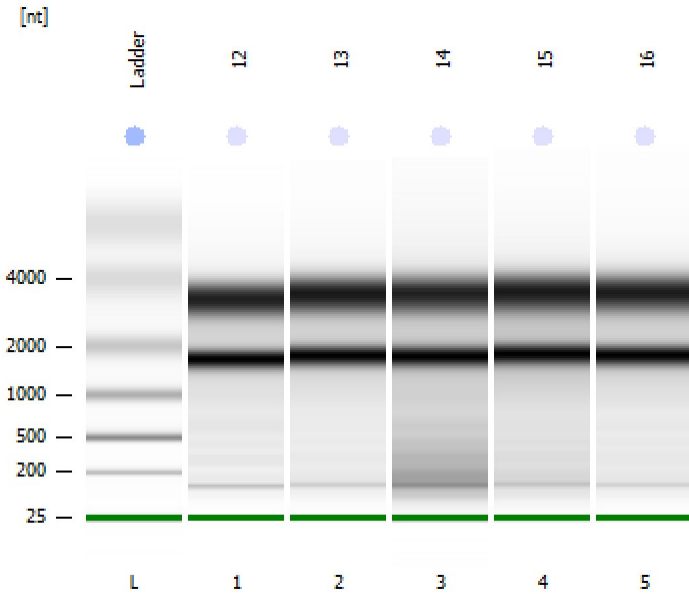


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/9/2023 6:59:16 AM

Electrophoresis File Run Summary



Instrument Information:

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

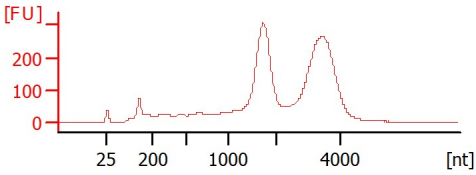
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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.

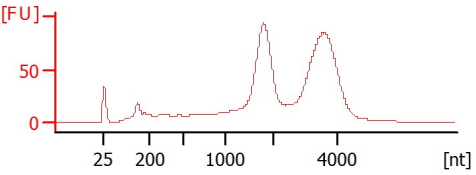
Chip Information:

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

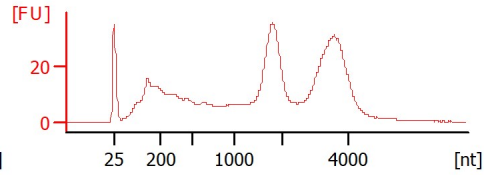
TAG0209 RIN: 9.30 **12**



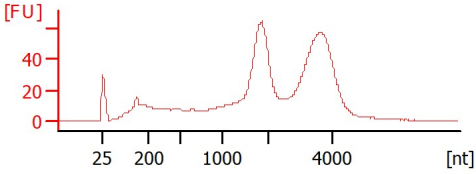
TAG0209 RIN: 9.60 **13**



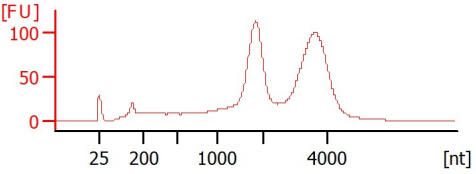
TAG0209 RIN: 8.20 **14**



TAG0209 RIN: 8.90 **15**



TAG0209 RIN: 9.30 **16**



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/9/2023 6:59:16 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
12	TAG0209	✓	RIN: 9.30	
13	TAG0209	✓	RIN: 9.60	
14	TAG0209	✓	RIN: 8.20	
15	TAG0209	✓	RIN: 8.90	
16	TAG0209	✓	RIN: 9.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/9/2023 6:59:16 AM

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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 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

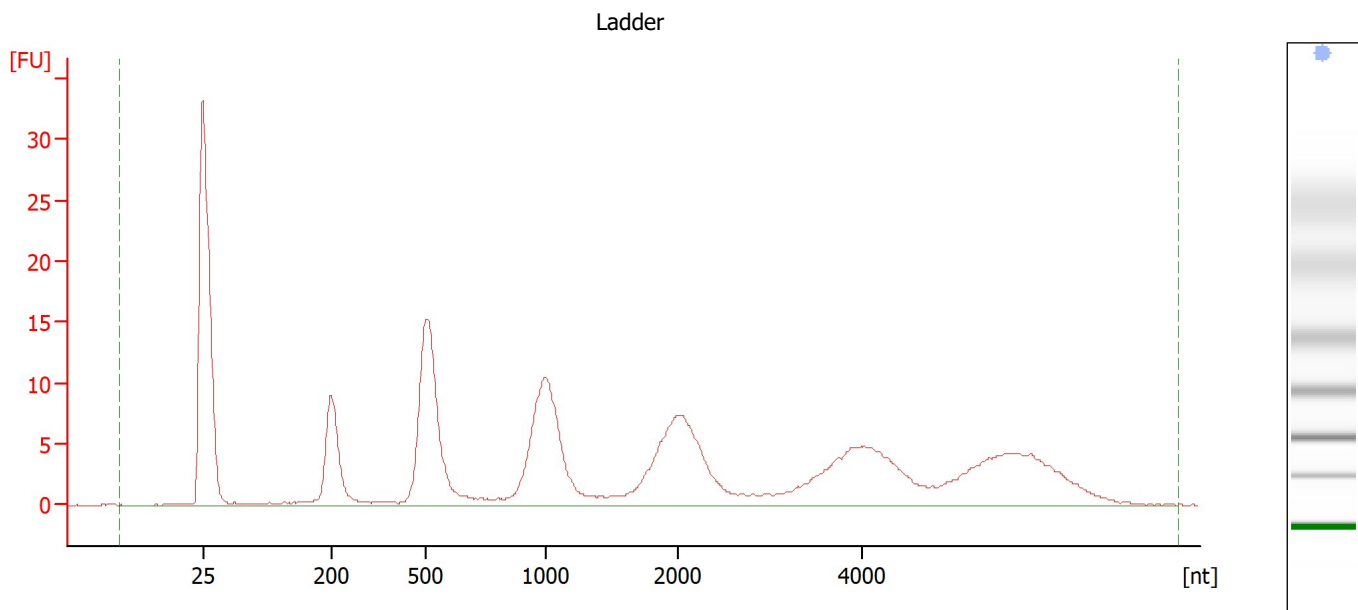
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/9/2023 6:59:16 AM

Electropherogram Summary



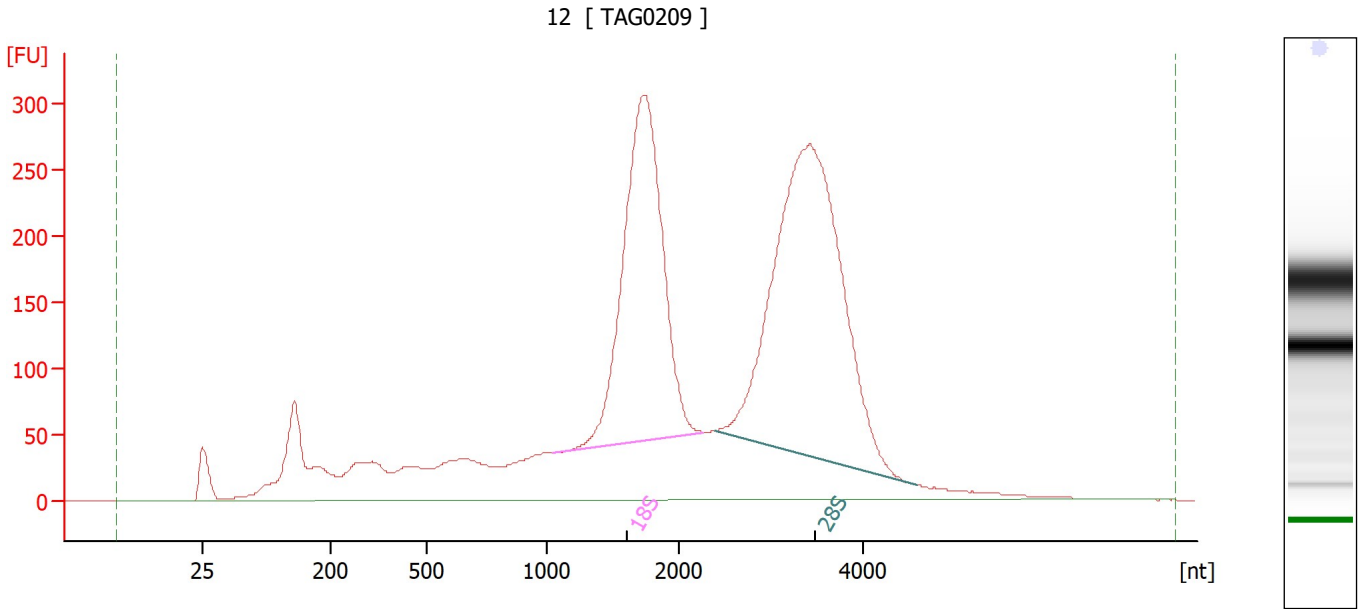
Overall Results for Ladder

RNA Area:	244.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/9/2023 6:59:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 12

RNA Area:	5,564.9	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	22,805 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.30

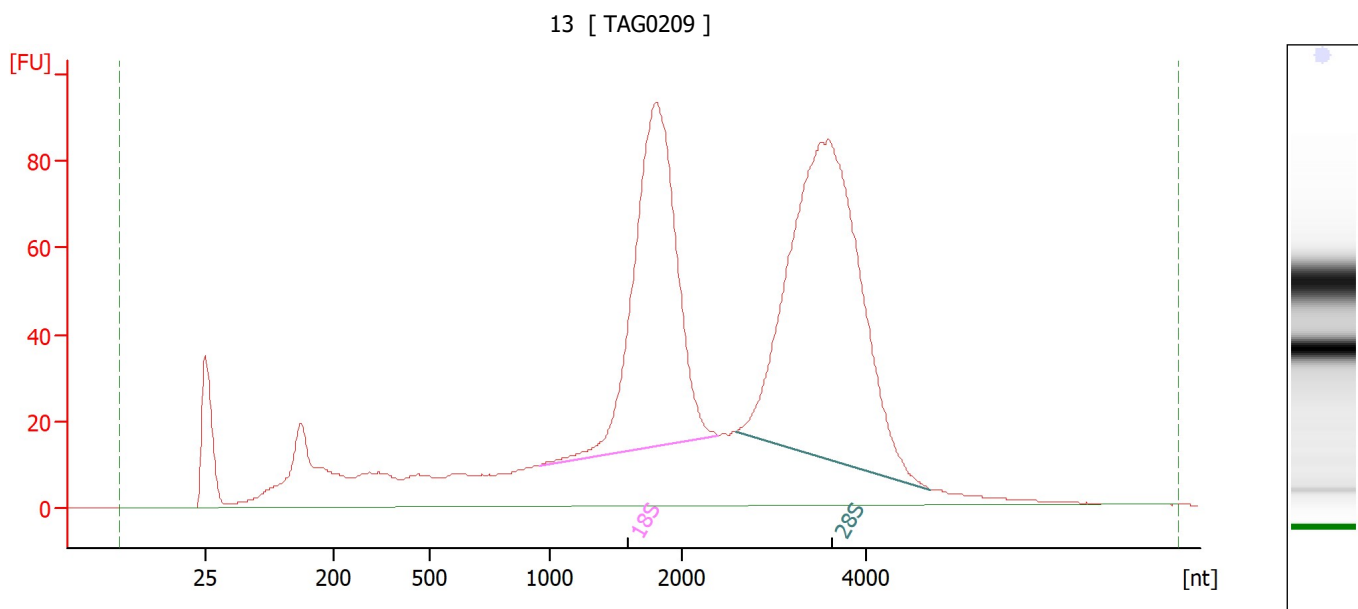
Fragment table for sample 1 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,053	2,267	1,262.0	22.7
28S	2,383	4,571	1,705.0	30.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/9/2023 6:59:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 13

RNA Area:	1,768.2	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	7,246 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.60

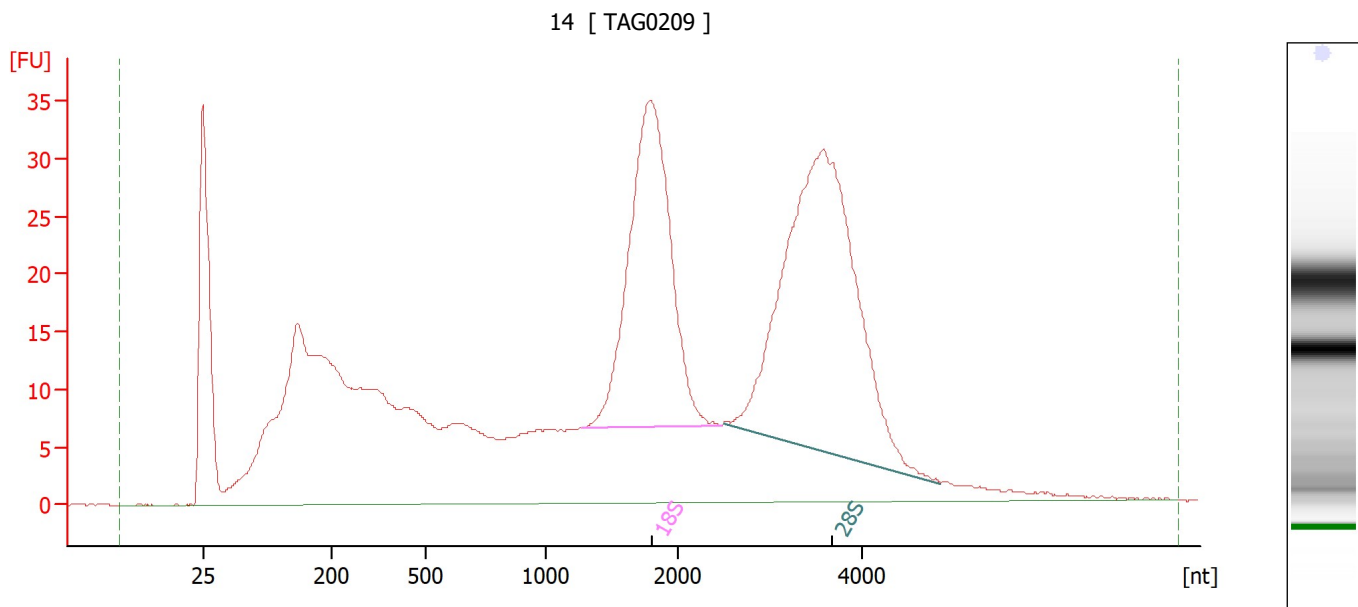
Fragment table for sample 2 : 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	962	2,394	411.1	23.3
28S	2,580	4,698	553.6	31.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/9/2023 6:59:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 14

RNA Area:	938.8	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	3,847 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.20

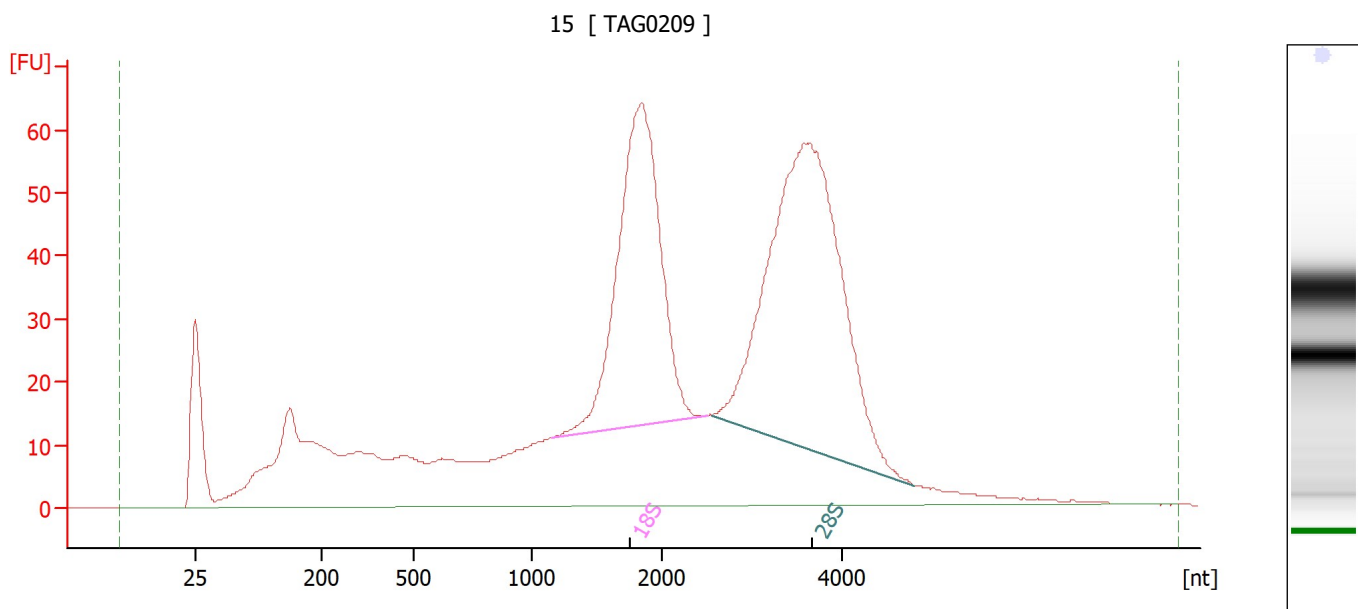
Fragment table for sample 3 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,282	2,476	144.5	15.4
28S	2,499	4,860	198.7	21.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/9/2023 6:59:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 15

RNA Area:	1,432.1	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	5,869 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

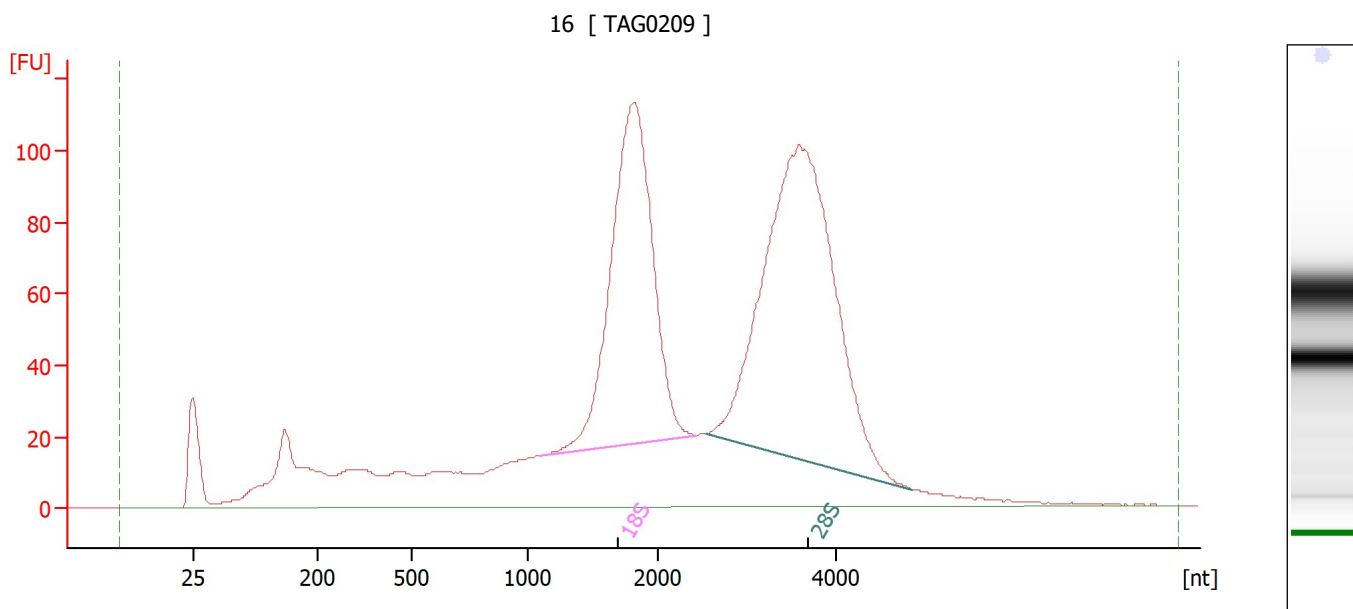
Fragment table for sample 4 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,167	2,515	270.5	18.9
28S	2,562	4,810	377.6	26.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/9/2023 6:59:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 16

RNA Area:	2,199.7	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	9,015 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.30

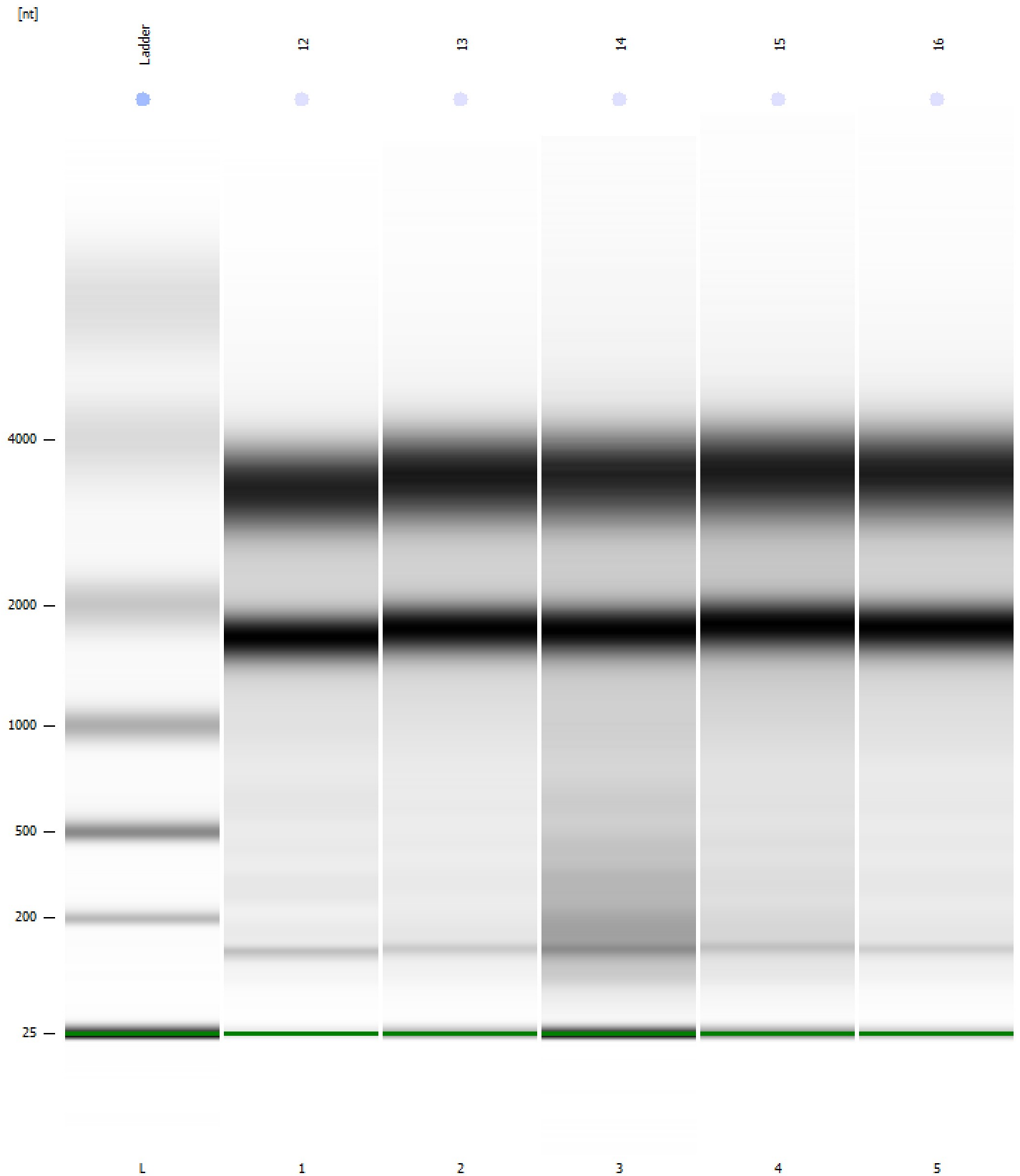
Fragment table for sample 5 : 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,097	2,433	496.6	22.6
28S	2,552	4,845	668.3	30.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/9/2023 6:59:16 AM

Gel Image

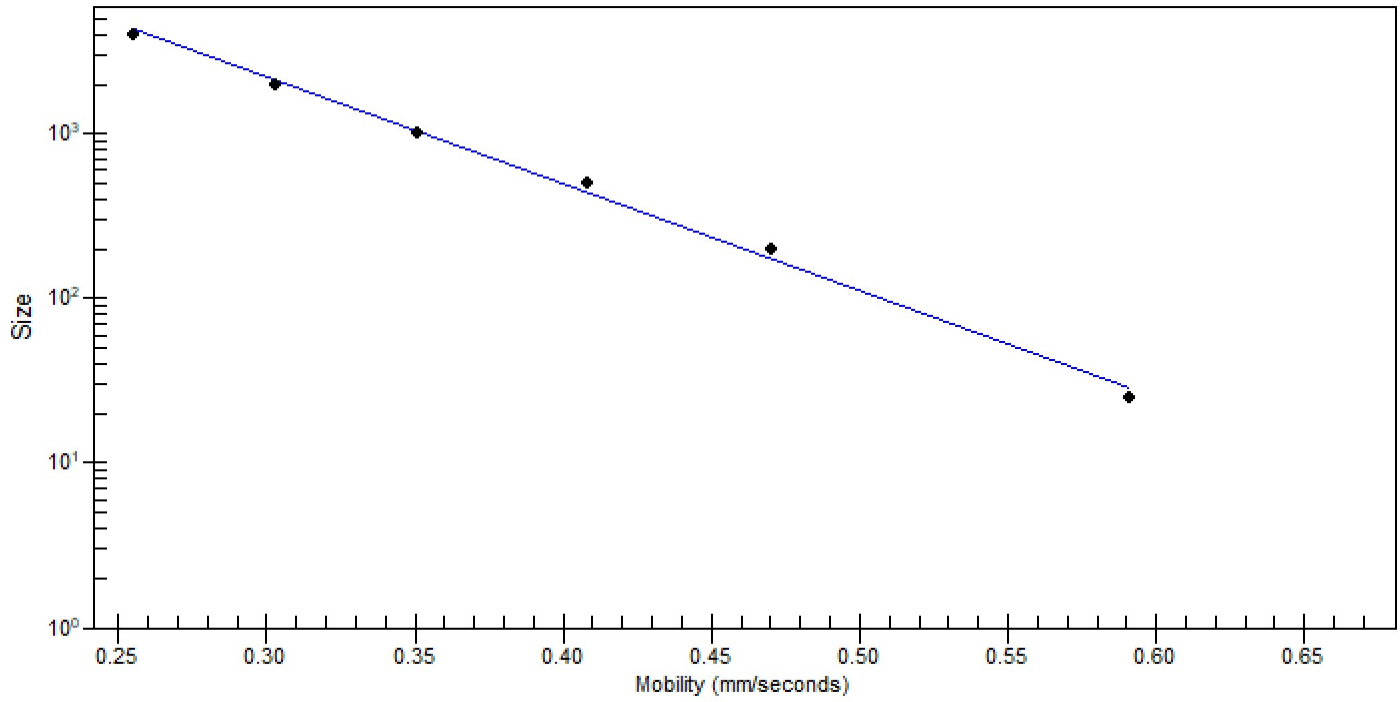


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/9/2023 6:59:16 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-06-08\TAG209-12-16.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/9/2023 6:59:16 AM

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		6/8/2023 4:59:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad)		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB