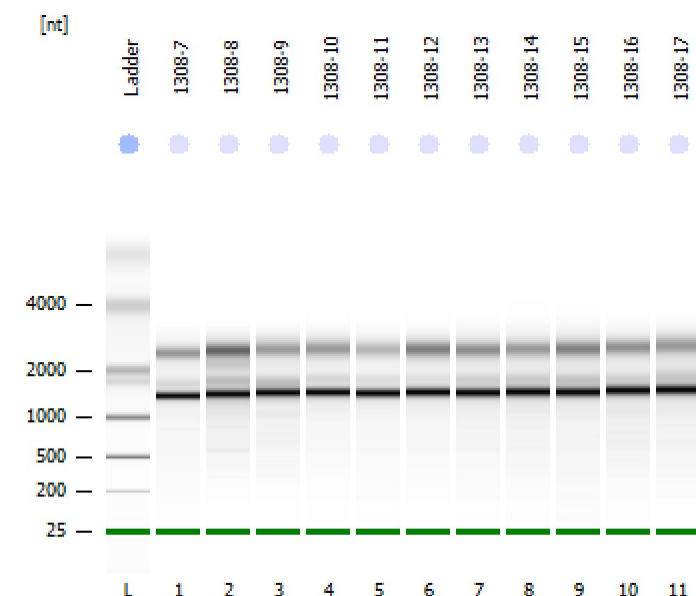


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
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)

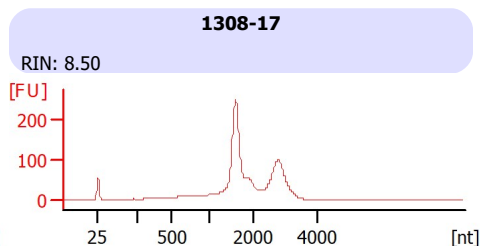
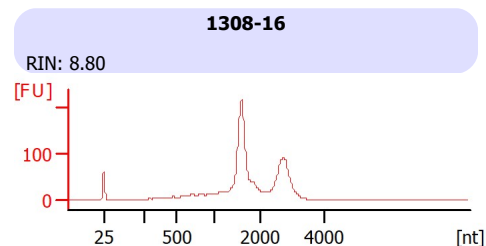
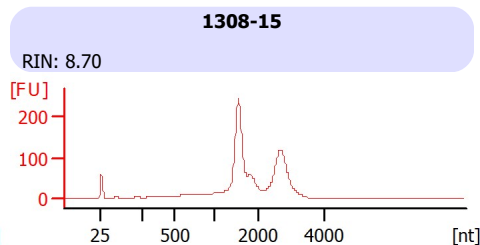
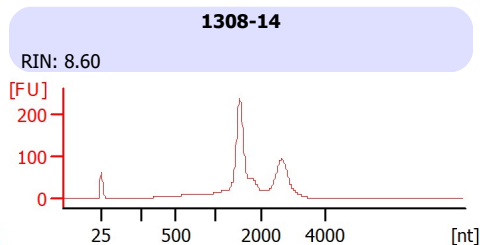
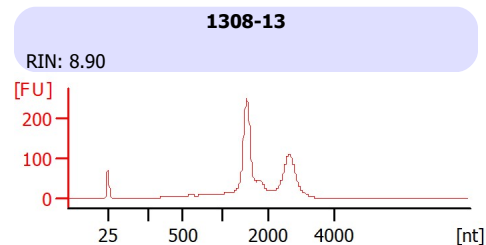
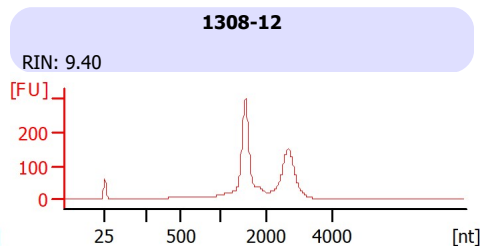
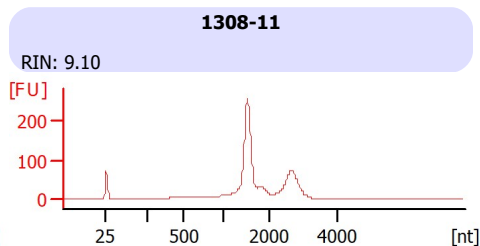
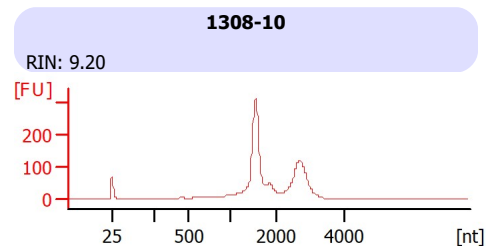
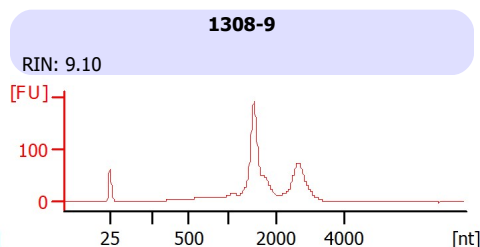
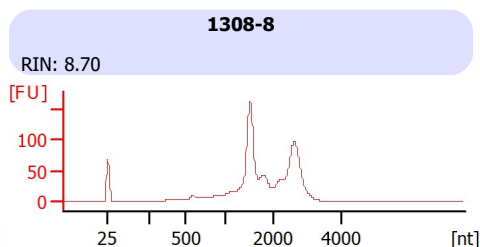
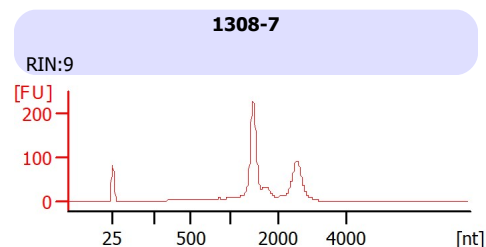
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1308-7		✓	RIN:9	
1308-8		✓	RIN: 8.70	
1308-9		✓	RIN: 9.10	
1308-10		✓	RIN: 9.20	
1308-11		✓	RIN: 9.10	
1308-12		✓	RIN: 9.40	
1308-13		✓	RIN: 8.90	
1308-14		✓	RIN: 8.60	
1308-15		✓	RIN: 8.70	
1308-16		✓	RIN: 8.80	
1308-17		✓	RIN: 8.50	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
 Modified: 5/16/2025 3:59:28 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

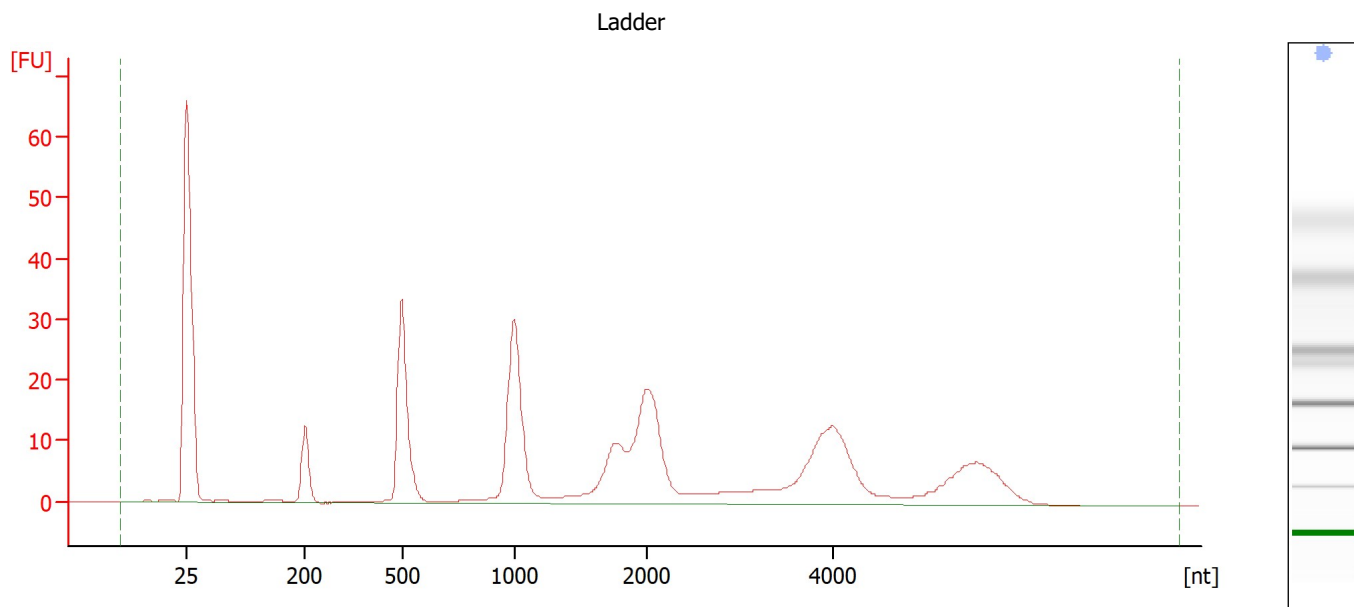
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 346.9

Result Flagging Color:



RNA Concentration: 1,000 pg/μl

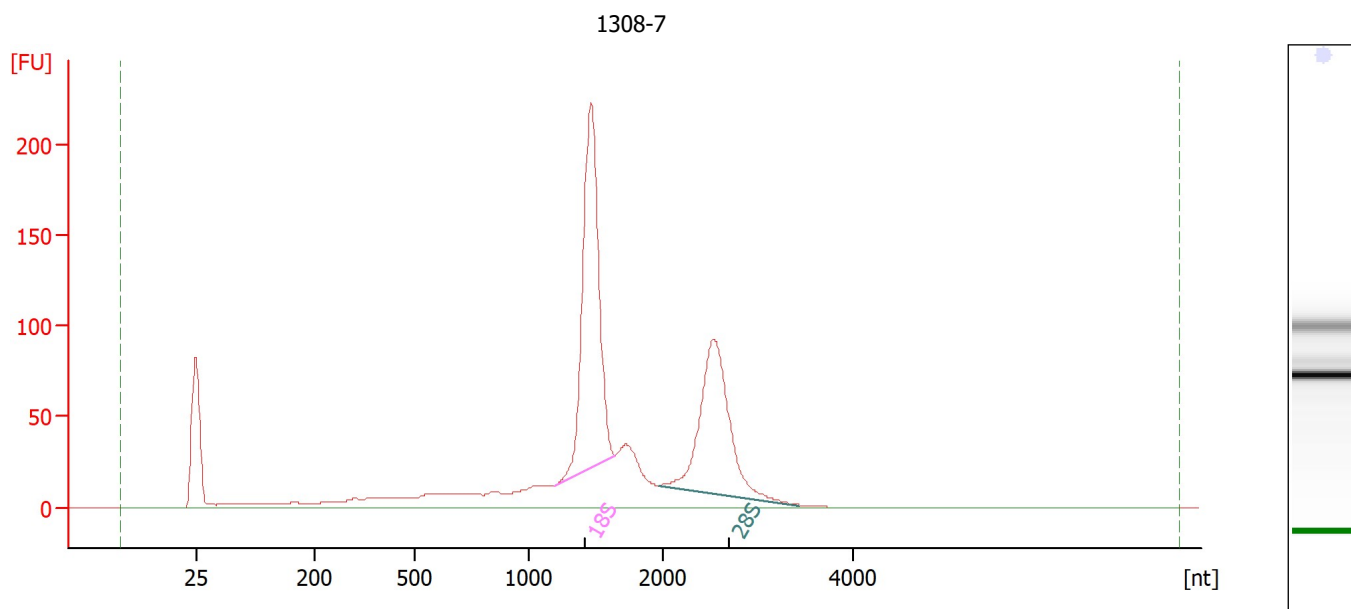
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1308-7

RNA Area: 1,311.5
RNA Concentration: 3,781 pg/μl
rRNA Ratio [28s / 18s]: 0.7

RNA Integrity Number (RIN):

9 (B.02.10, Anomaly Threshold(s) manually adapted)

Result Flagging Color:



Result Flagging Label:

RIN:9

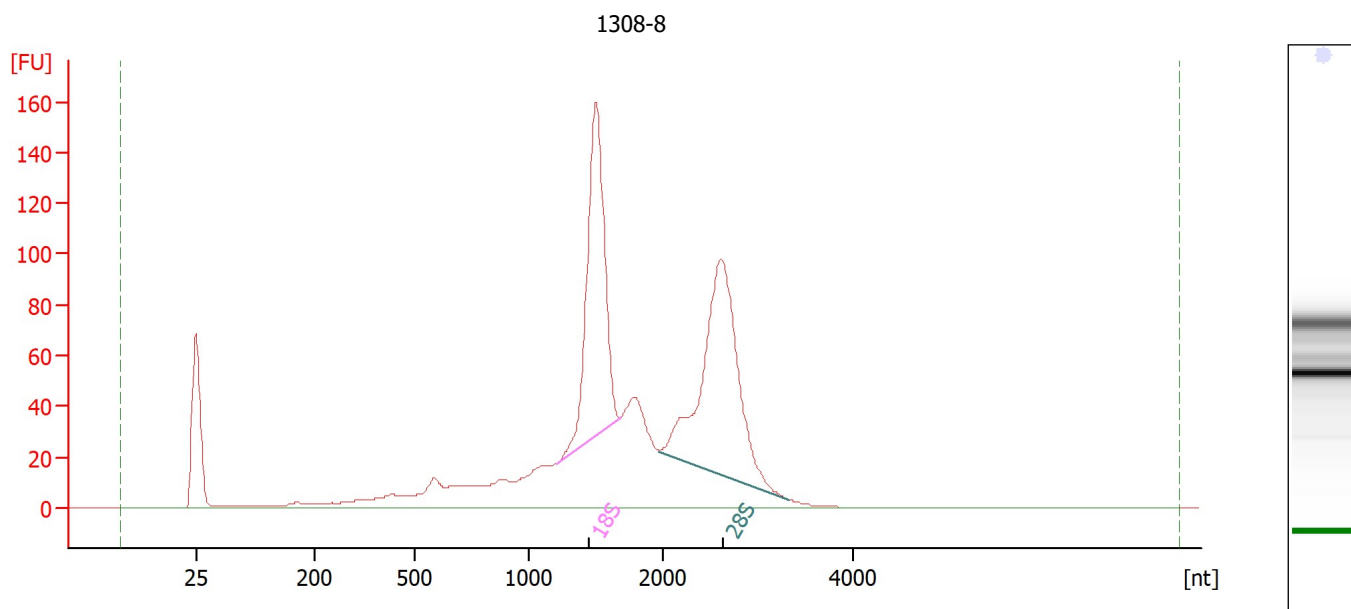
Fragment table for sample 1 : 1308-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,194	1,638	415.5	31.7
28S	1,963	3,438	283.2	21.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 1308-8

RNA Area:	1,400.5	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,037 pg/μl		
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.70

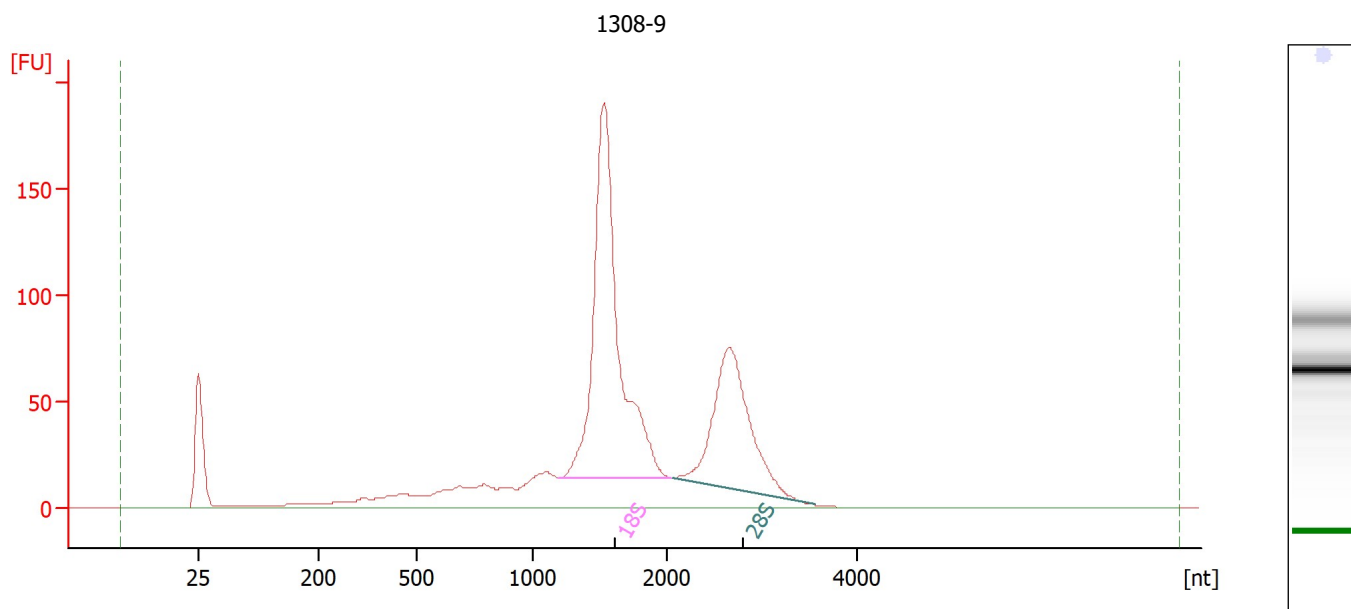
Fragment table for sample 2 : 1308-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,202	1,678	295.0	21.1
28S	1,971	3,325	342.4	24.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 1308-9

RNA Area:	1,383.6	RNA Integrity Number (RIN):	9.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,989 pg/μl		
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.10

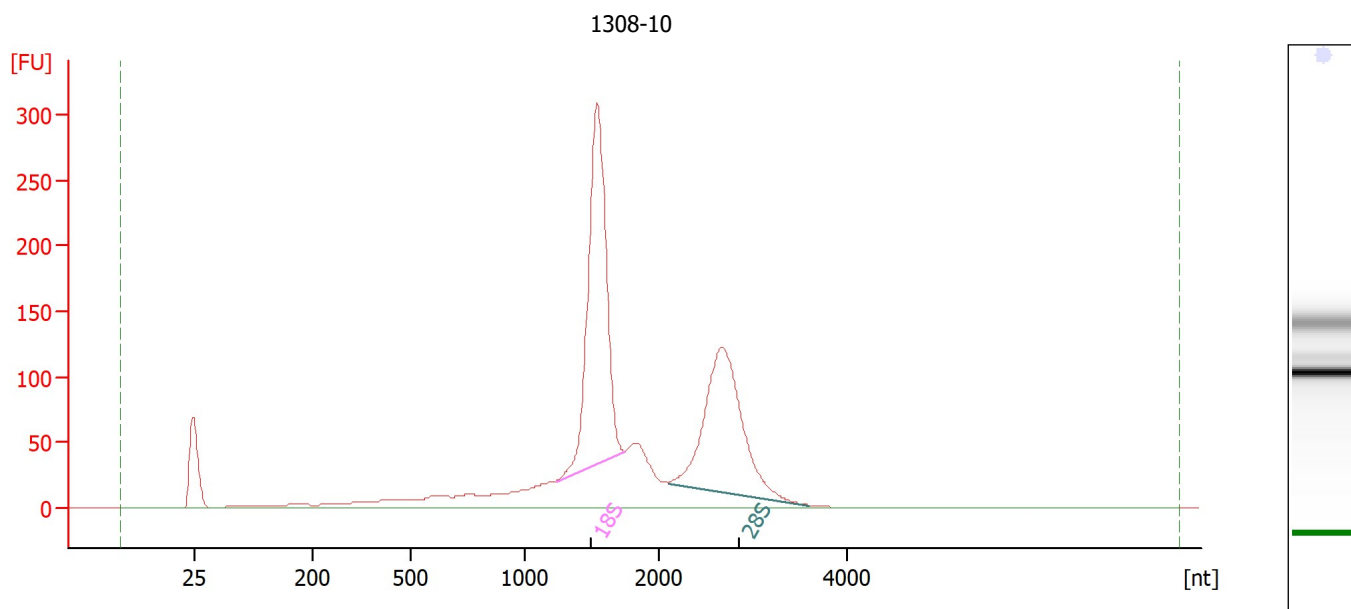
Fragment table for sample 3 : 1308-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,199	2,027	550.7	39.8
28S	2,050	3,546	274.9	19.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1308-10

RNA Area: 1,975.8
RNA Concentration: 5,696 pg/μl
rRNA Ratio [28s / 18s]: 0.7

RNA Integrity Number (RIN): 9.2 (B.02.10, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

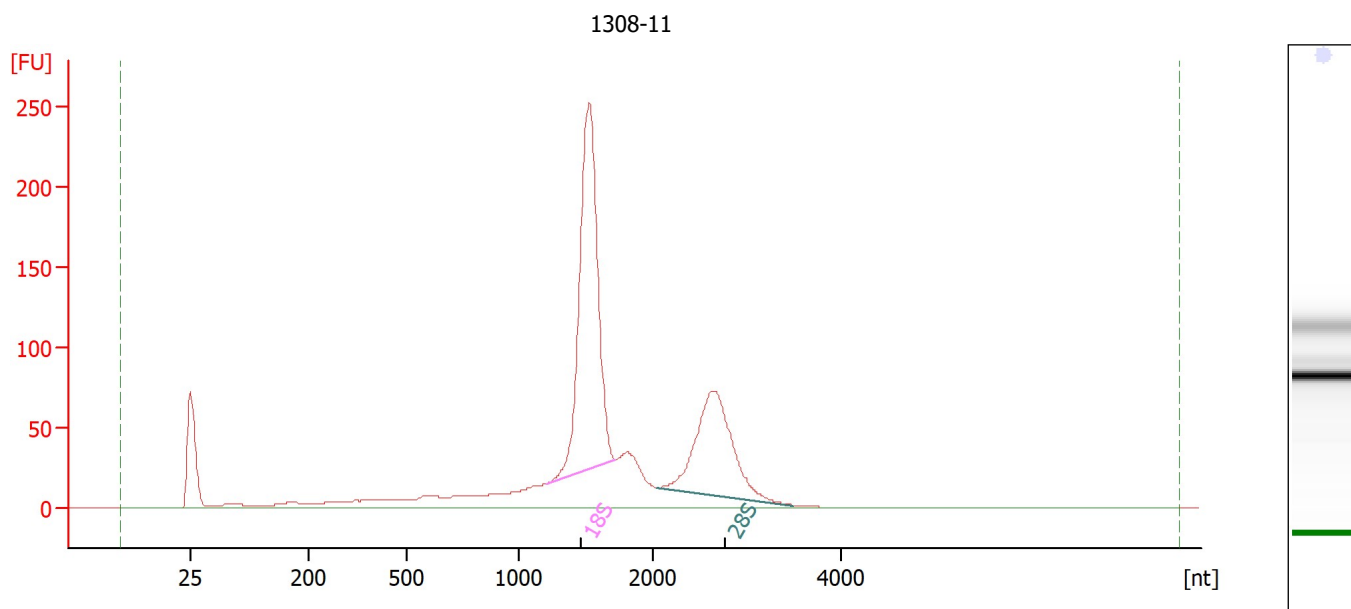
Fragment table for sample 4 : 1308-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,230	1,739	637.7	32.3
28S	2,094	3,591	468.6	23.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1308-11

RNA Area:	1,476.8	RNA Integrity Number (RIN):	9.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,257 pg/μl		
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.10

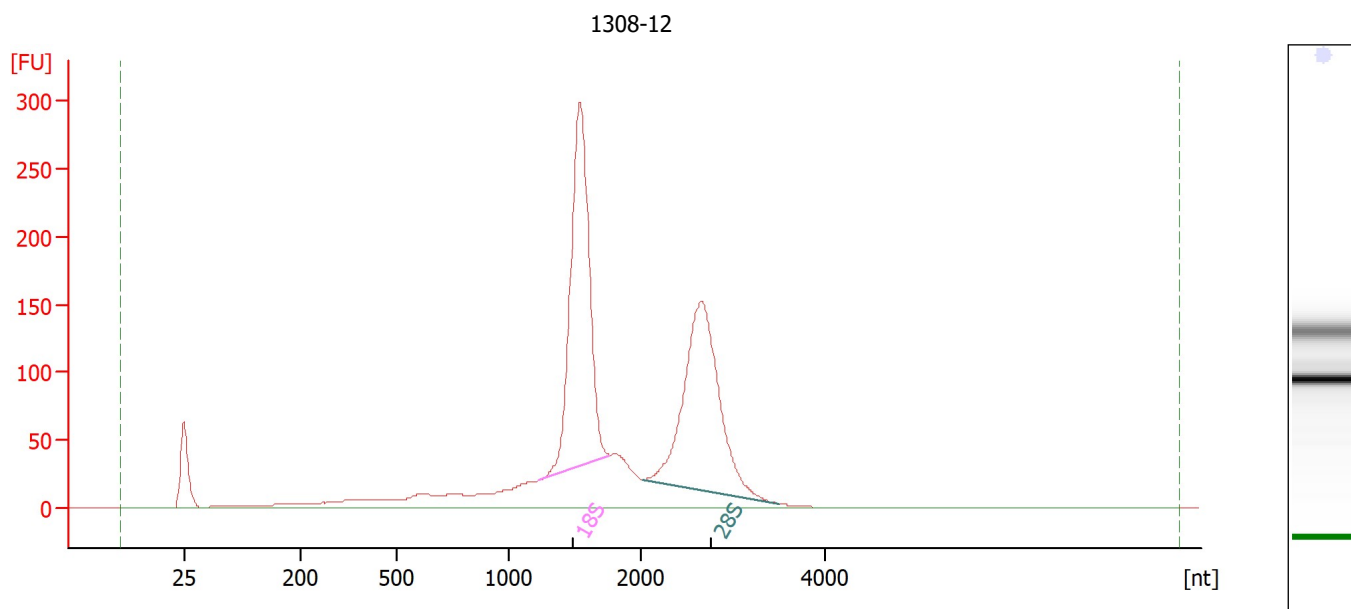
Fragment table for sample 5 : 1308-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,208	1,720	541.5	36.7
28S	2,047	3,486	272.1	18.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 1308-12

RNA Area:	2,071.5	RNA Integrity Number (RIN):	9.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,972 pg/μl		
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.40

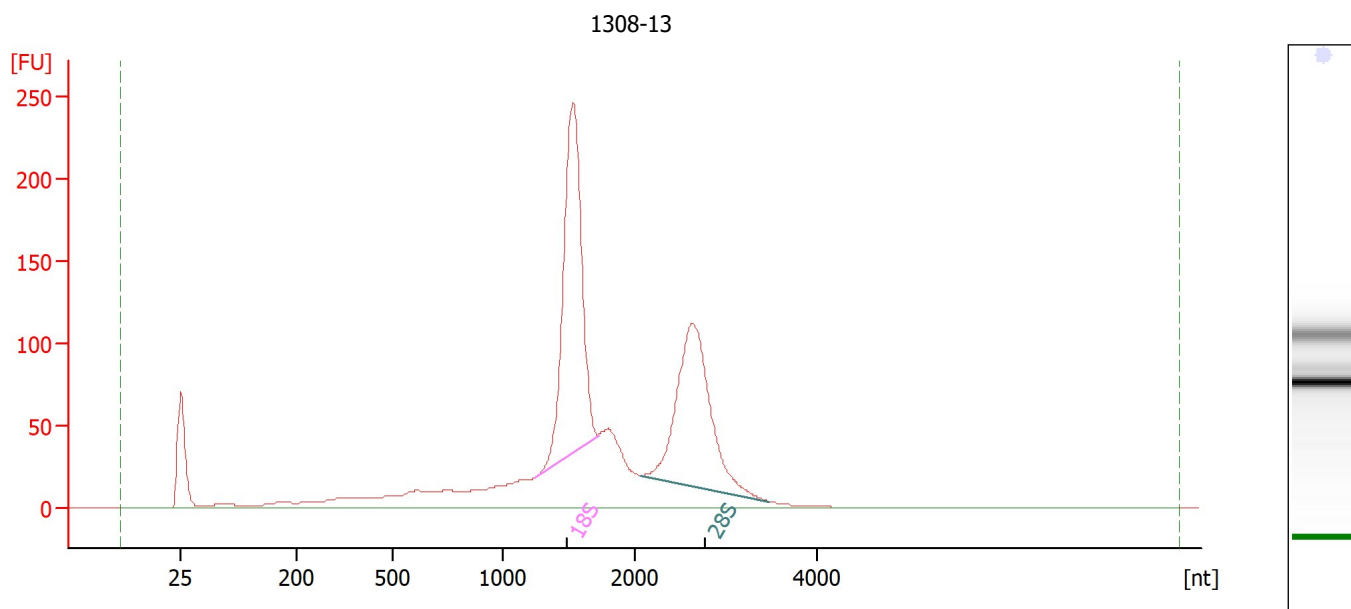
Fragment table for sample 6 : 1308-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,227	1,763	657.7	31.7
28S	2,033	3,490	573.6	27.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 1308-13

RNA Area:	1,798.5	RNA Integrity Number (RIN):	8.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,185 pg/μl		
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.90

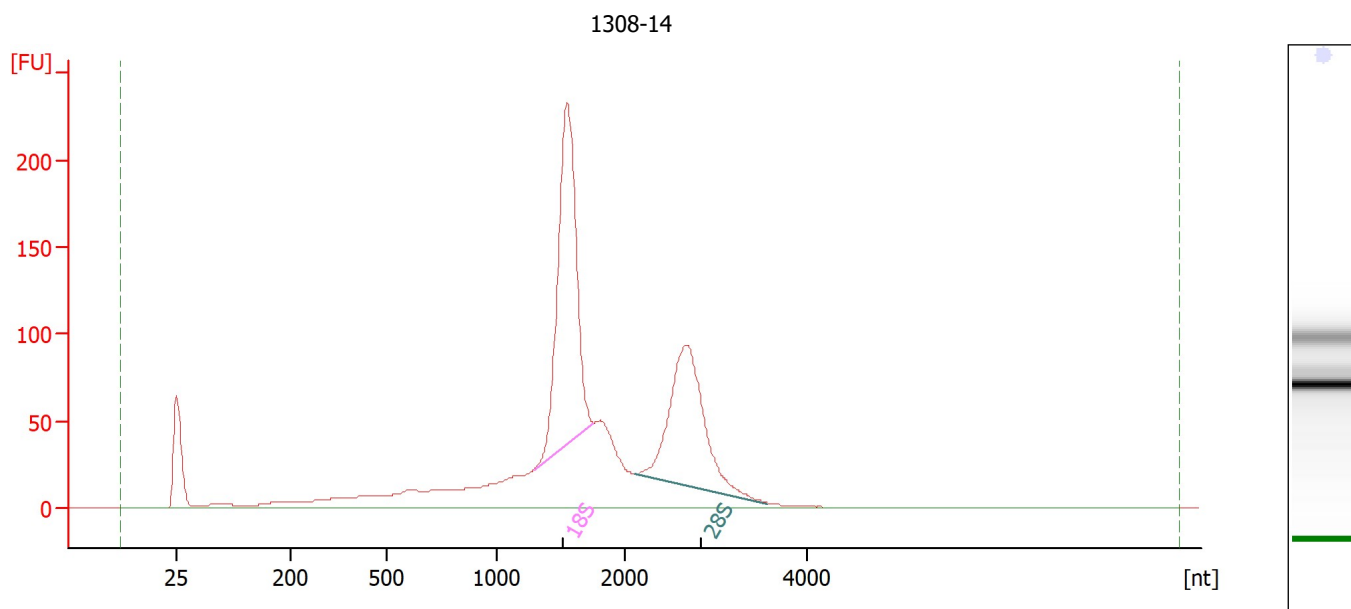
Fragment table for sample 7 : 1308-13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,245	1,727	515.8	28.7
28S	2,066	3,476	392.9	21.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 1308-14

RNA Area:	1,735.7	RNA Integrity Number (RIN):	8.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,004 pg/μl		
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.60

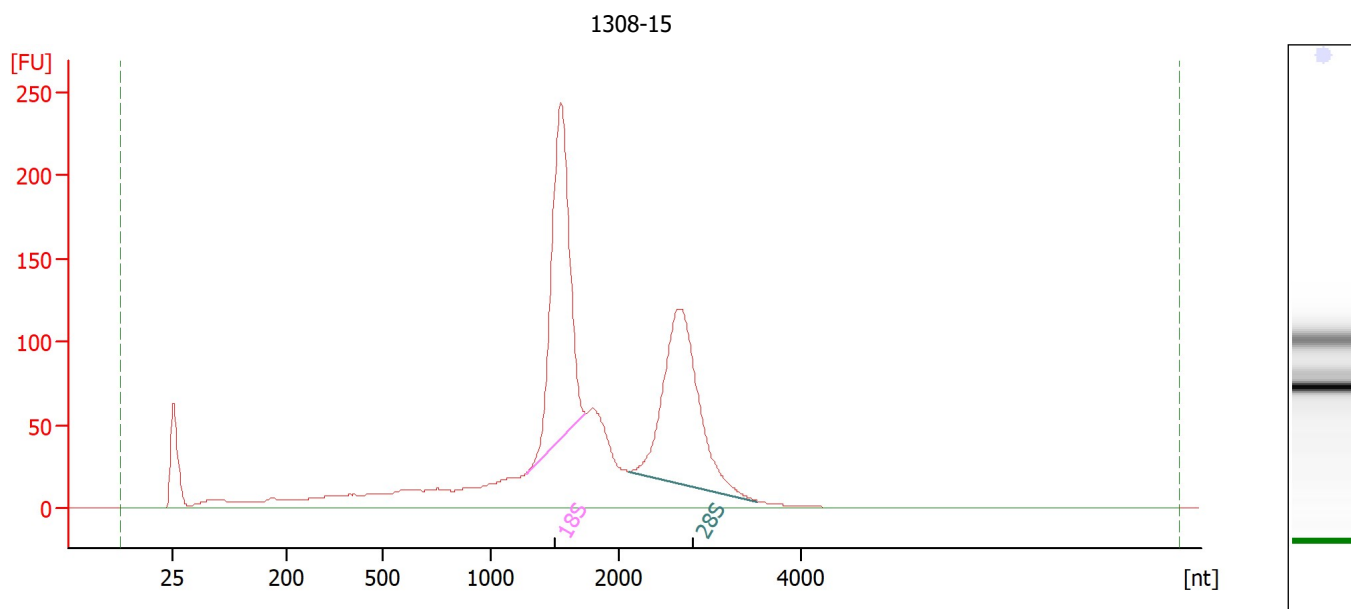
Fragment table for sample 8 : 1308-14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,294	1,748	479.5	27.6
28S	2,100	3,557	328.4	18.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 1308-15

RNA Area:	1,998.5	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,761 pg/μl		
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.70

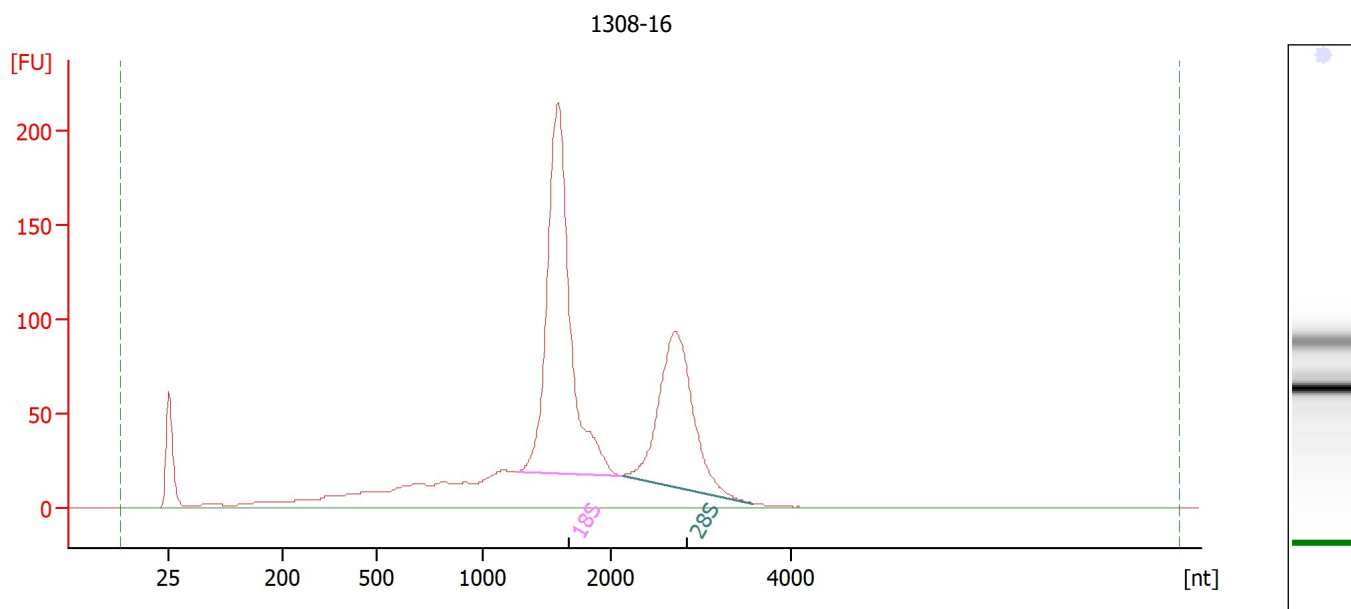
Fragment table for sample 9 : 1308-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,272	1,737	486.9	24.4
28S	2,110	3,531	440.6	22.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 1308-16

RNA Area:	1,687.2	RNA Integrity Number (RIN):	8.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,864 pg/μl		
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.80

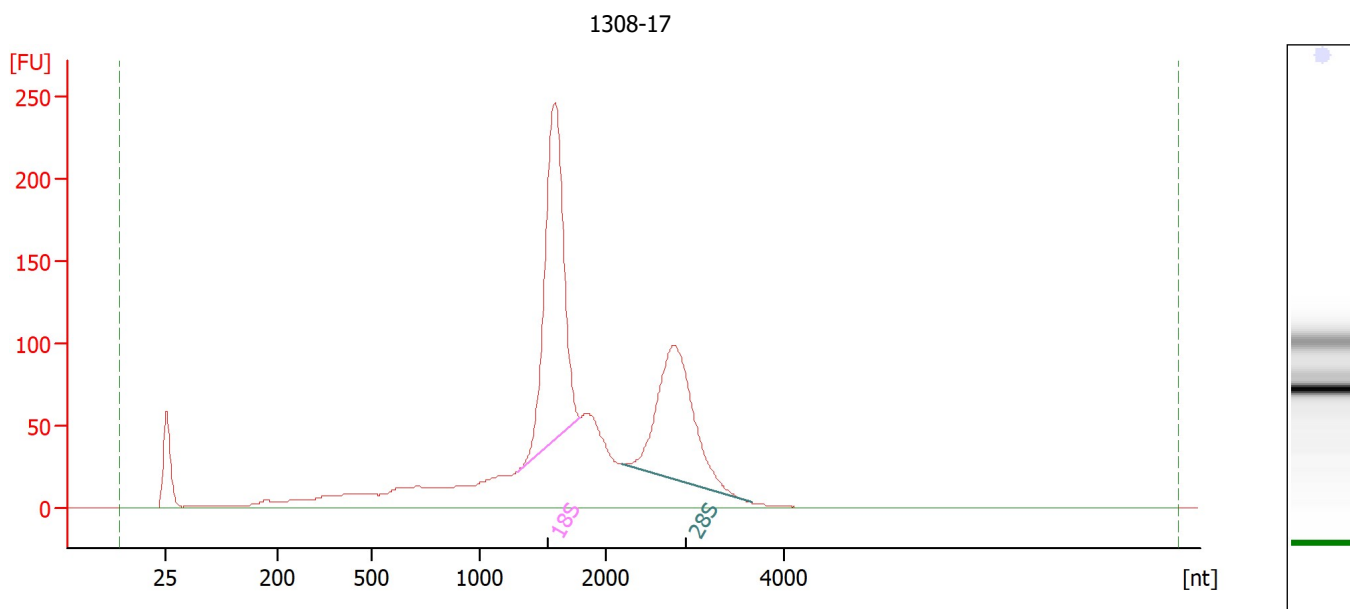
Fragment table for sample 10 : 1308-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,255	2,109	606.8	36.0
28S	2,133	3,590	334.8	19.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
Modified: 5/16/2025 3:59:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 1308-17

RNA Area:	1,973.5	RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,689 pg/μl		
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.50

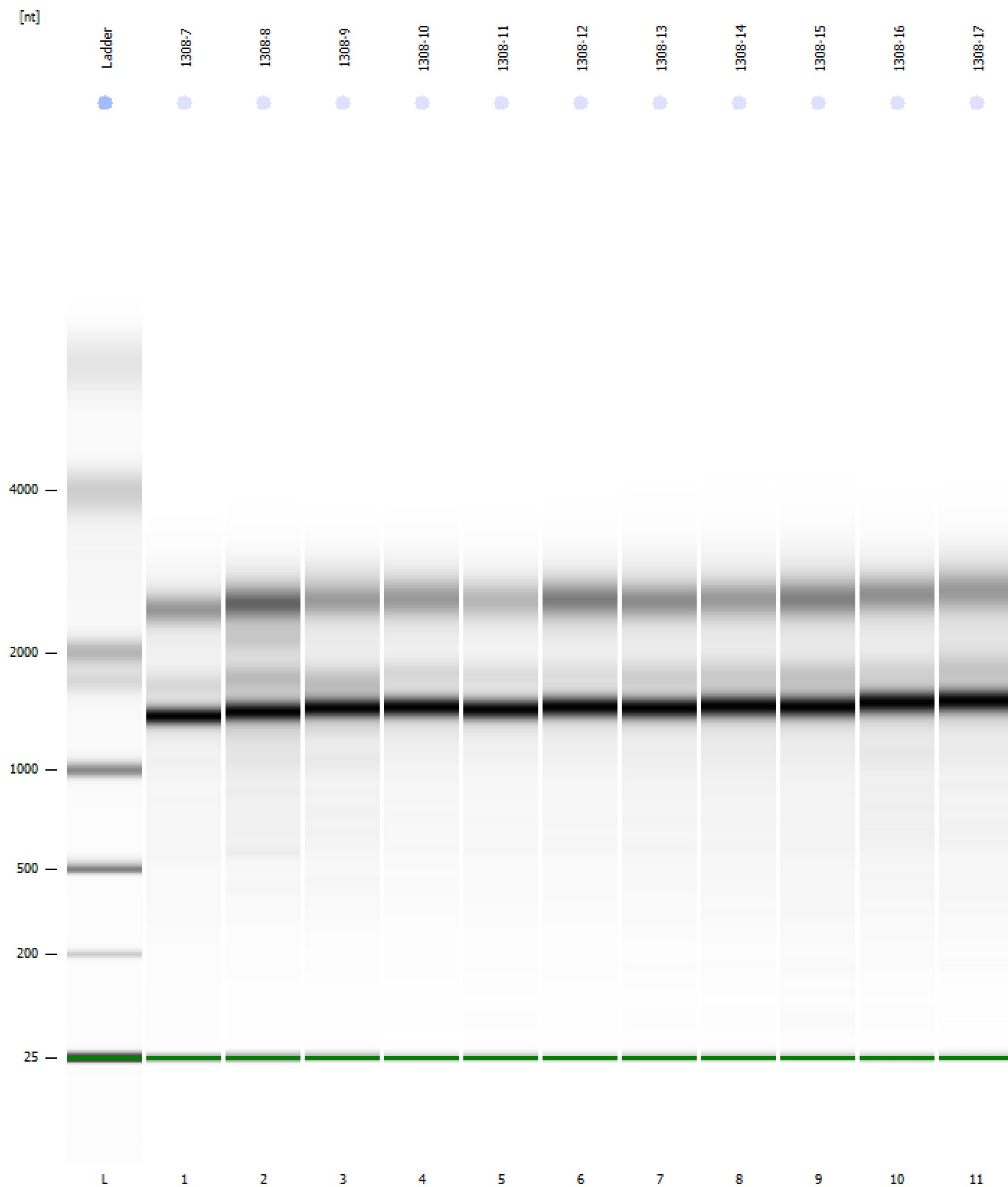
Fragment table for sample 11 : 1308-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,310	1,798	520.8	26.4
28S	2,180	3,632	359.5	18.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad

Created: 5/16/2025 2:53:02 PM
 Modified: 5/16/2025 3:59:28 PM

Gel Image



Assay Class:	Eukaryote Total RNA Pico	Created:	5/16/2025 2:53:02 PM
Data Path:	C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad	Modified:	5/16/2025 3:59:28 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		5/16/2025 3:15:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-05-16\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-05-16_002.xad)		Instrument	Run		5/16/2025 2:53:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/16/2025 2:53:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/16/2025 2:53:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/16/2025 2:53:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/16/2025 2:53:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/16/2025 2:53:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/16/2025 2:53:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB