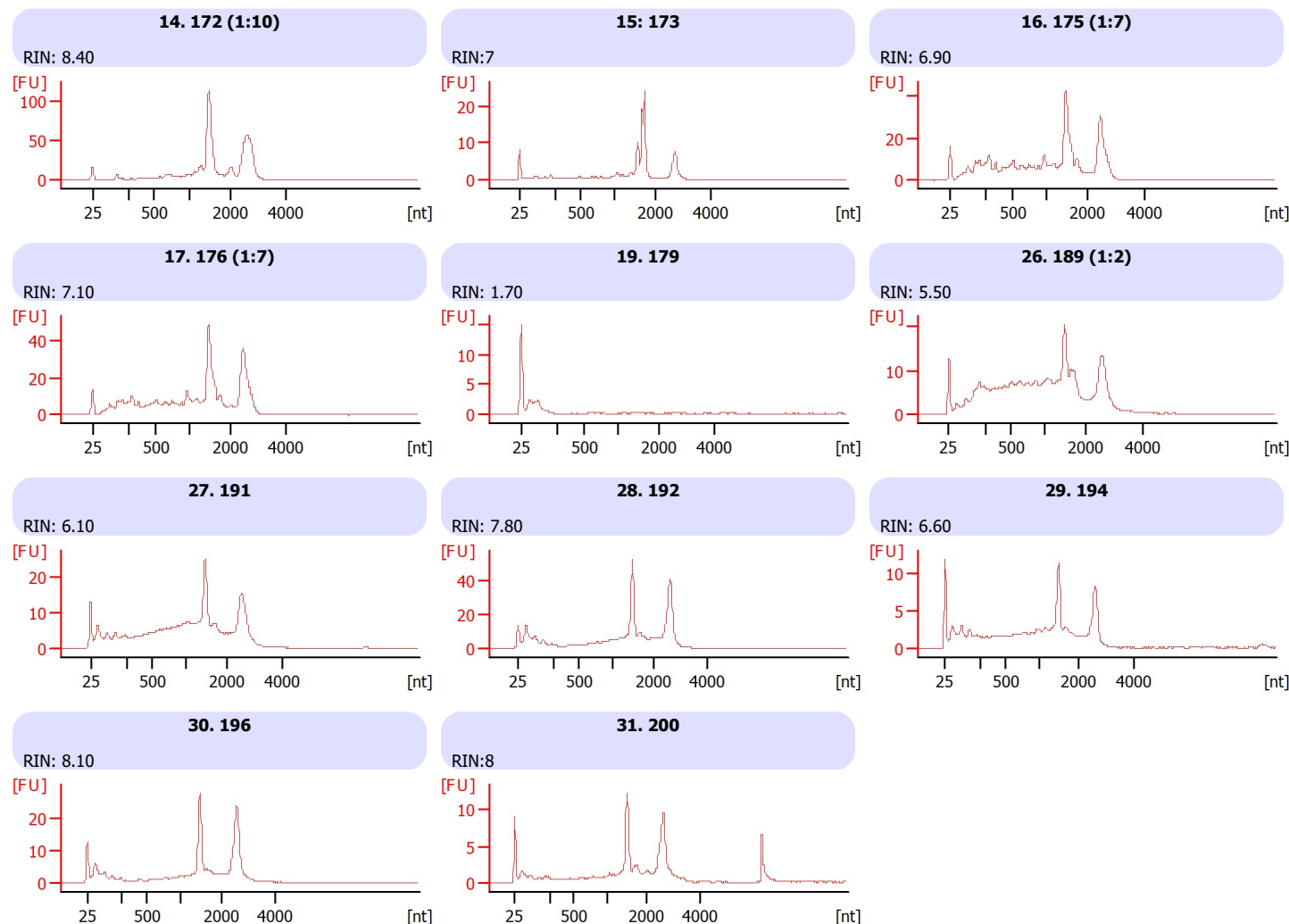
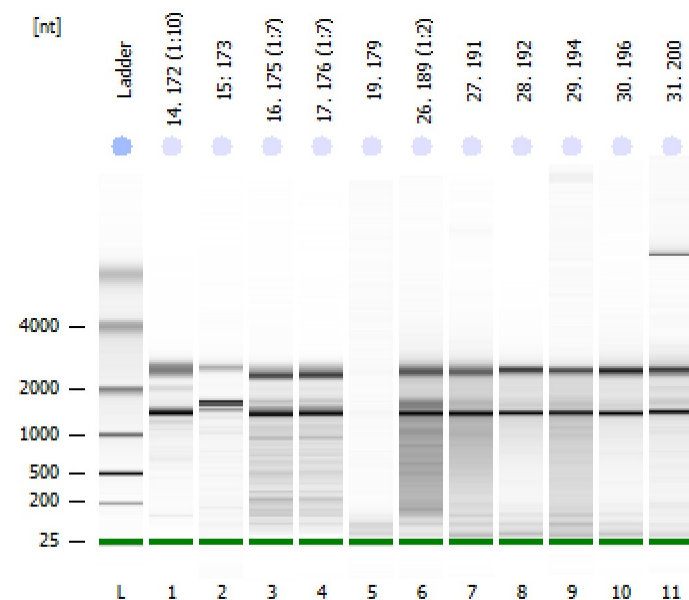


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electrophoresis File Run Summary

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
14. 172 (1:10)		✓	RIN: 8.40	
15. 173		✓	RIN: 7	
16. 175 (1:7)		✓	RIN: 6.90	
17. 176 (1:7)		✓	RIN: 7.10	
19. 179		✓	RIN: 1.70	
26. 189 (1:2)		✓	RIN: 5.50	
27. 191		✓	RIN: 6.10	
28. 192		✓	RIN: 7.80	
29. 194		✓	RIN: 6.60	
30. 196		✓	RIN: 8.10	
31. 200		✓	RIN: 8	
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_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
 Modified: 10/22/2025 11:21:01 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/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

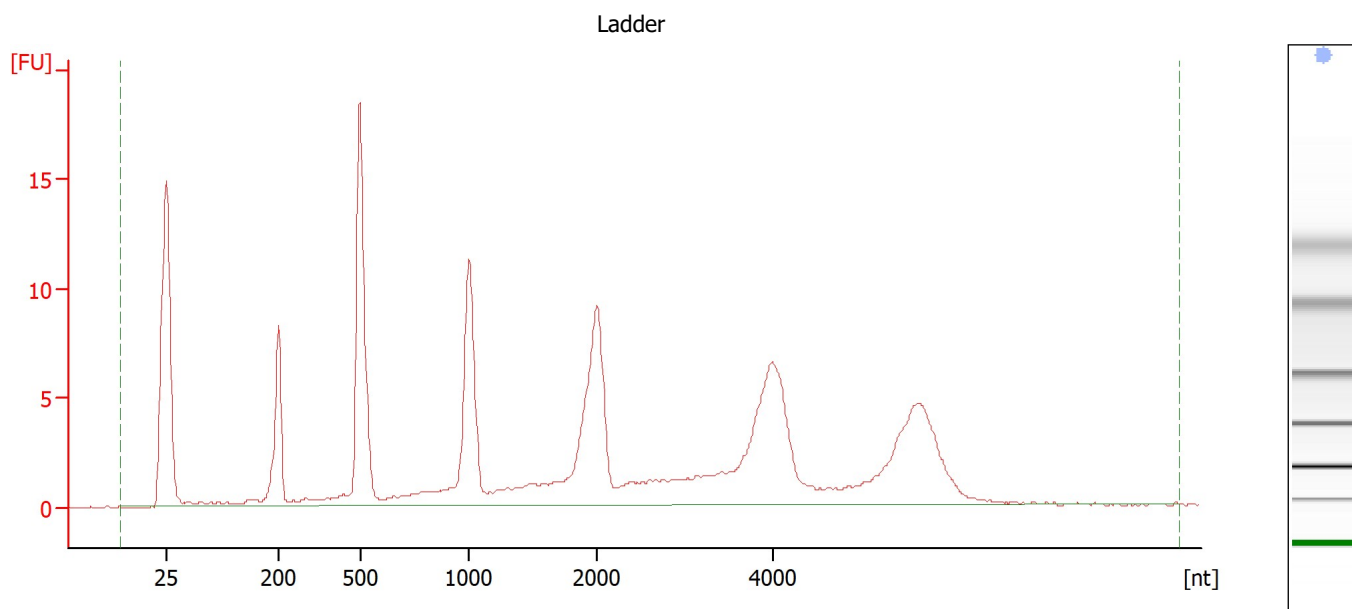
Ladder

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_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
 Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary



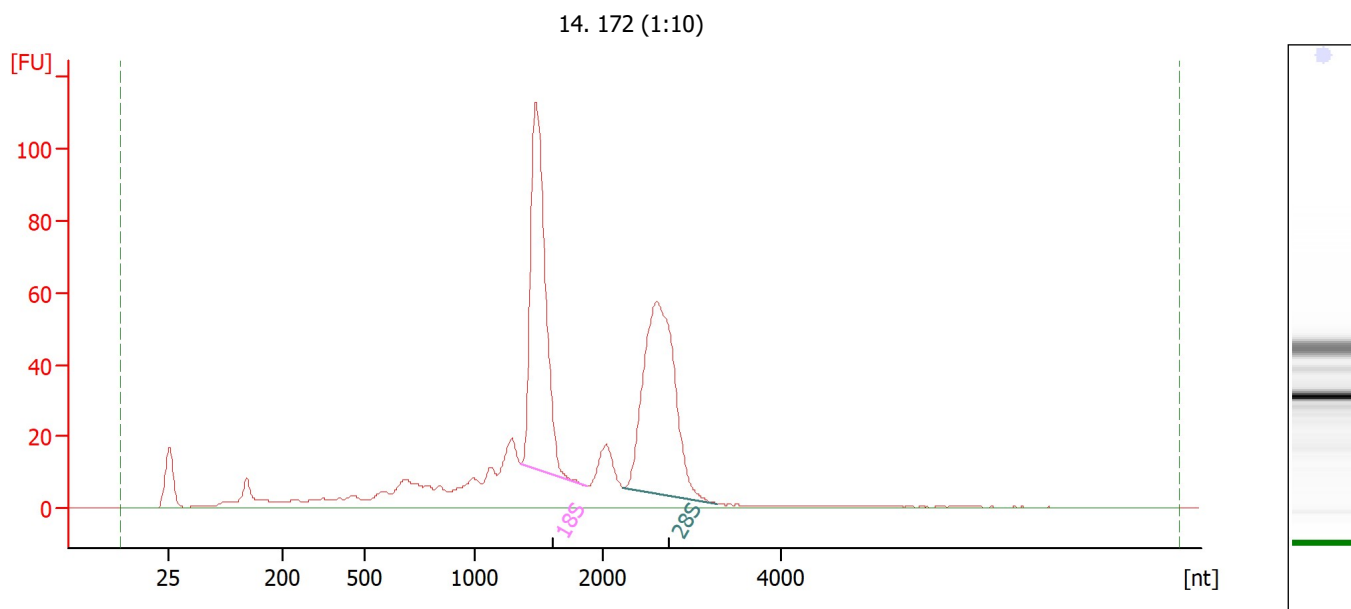
Overall Results for Ladder

RNA Area:	163.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 14. 172 (1:10)

RNA Area:	793.6	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	4,855 pg/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	1.0	Result Flagging Label:	RIN: 8.40

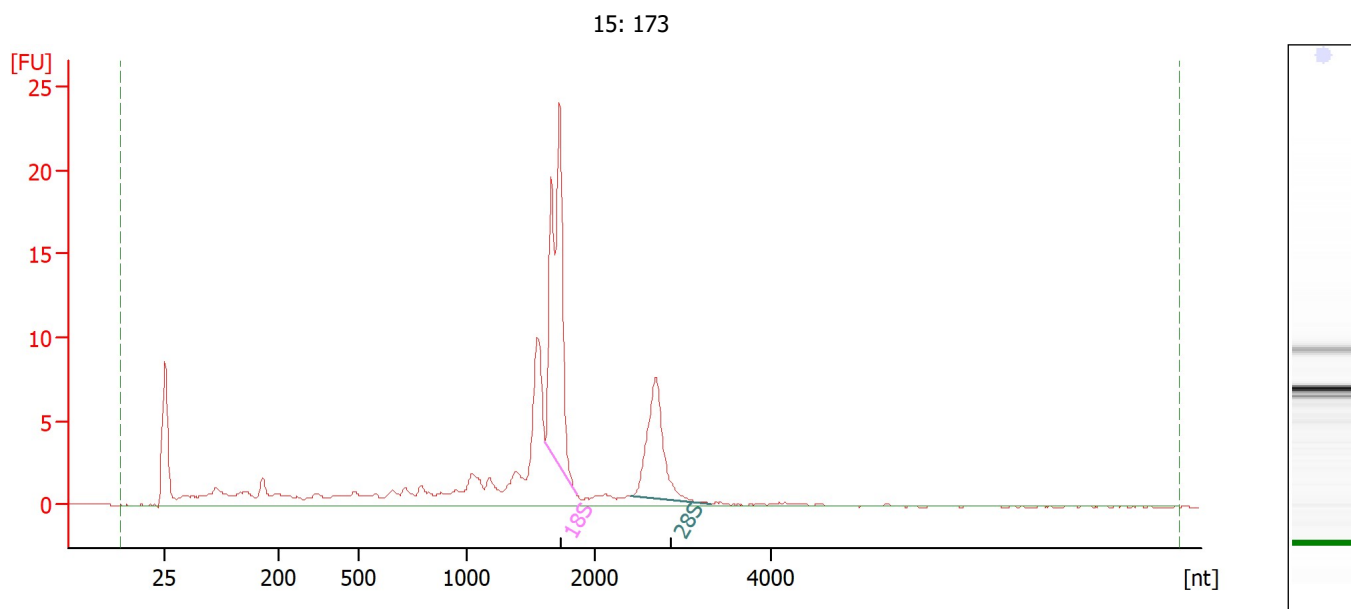
Fragment table for sample 1 : 14. 172 (1:10)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,364	1,869	210.5	26.5
28S	2,220	3,274	206.8	26.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 15: 173

RNA Area:	115.8	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	709 pg/μl		
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Color:	
		Result Flagging Label:	RIN:7

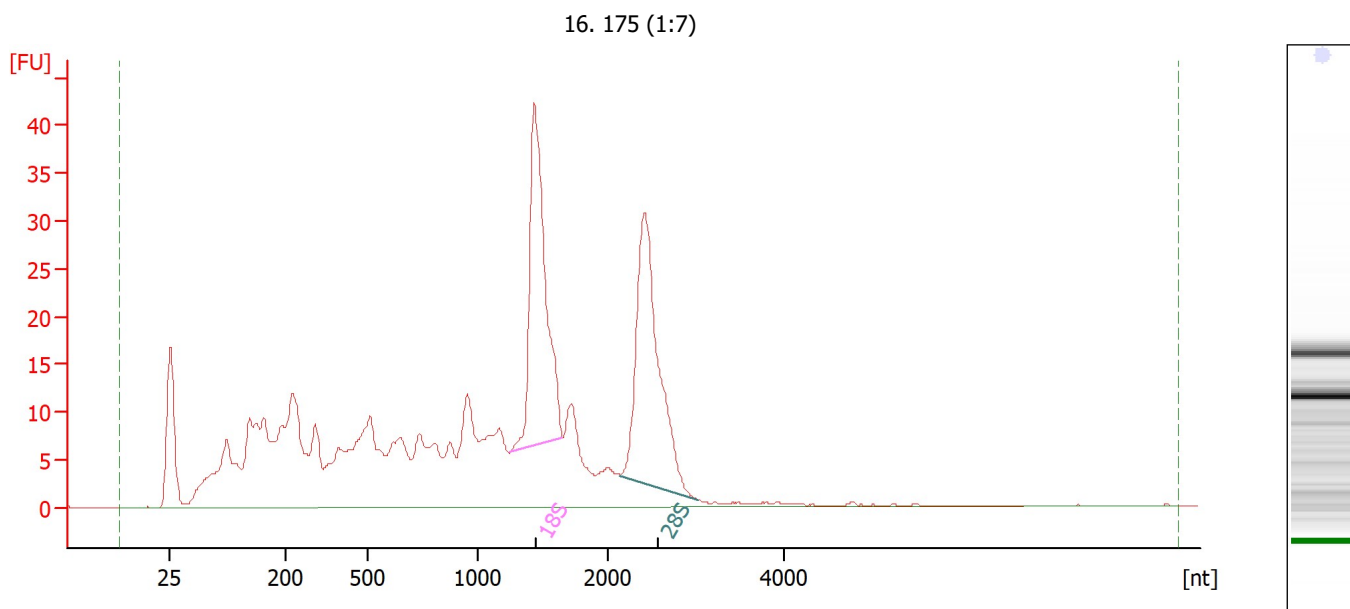
Fragment table for sample 2 : 15: 173

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	1,849	30.6	26.4
28S	2,414	3,319	14.4	12.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 16. 175 (1:7)

RNA Area:	580.9	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	3,554 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.90

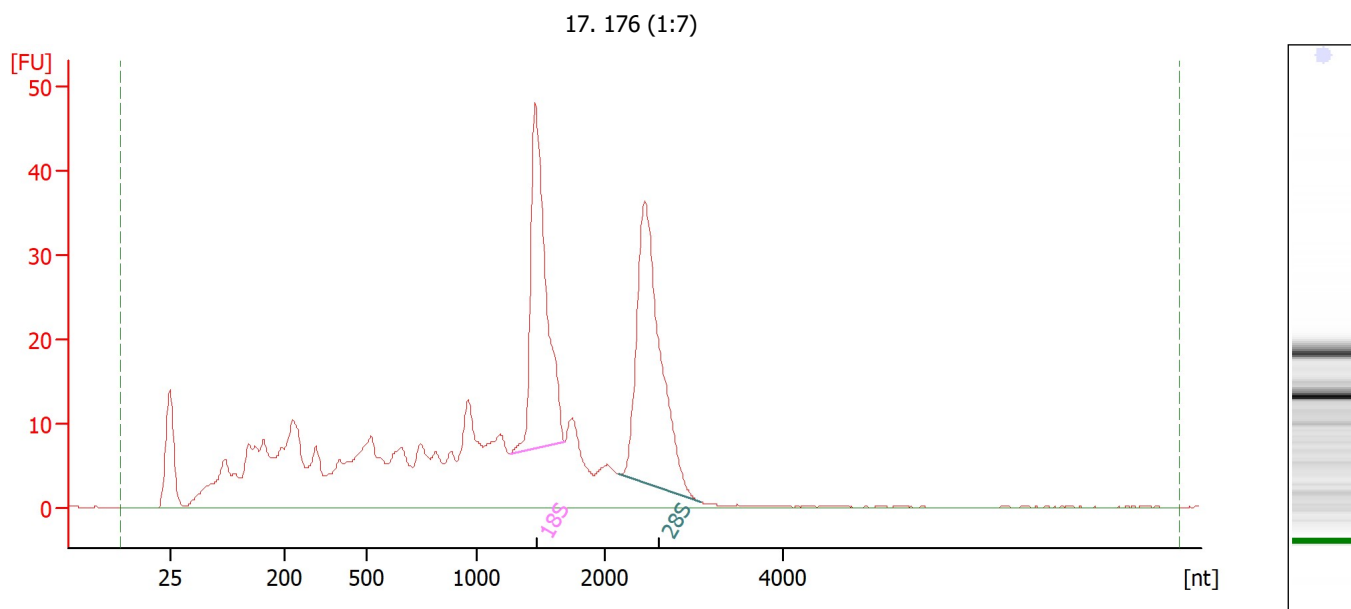
Fragment table for sample 3 : 16. 175 (1:7)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,253	1,656	76.8	13.2
28S	2,148	3,028	76.8	13.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 17. 176 (1:7)

RNA Area:	582.3	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	3,562 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.10

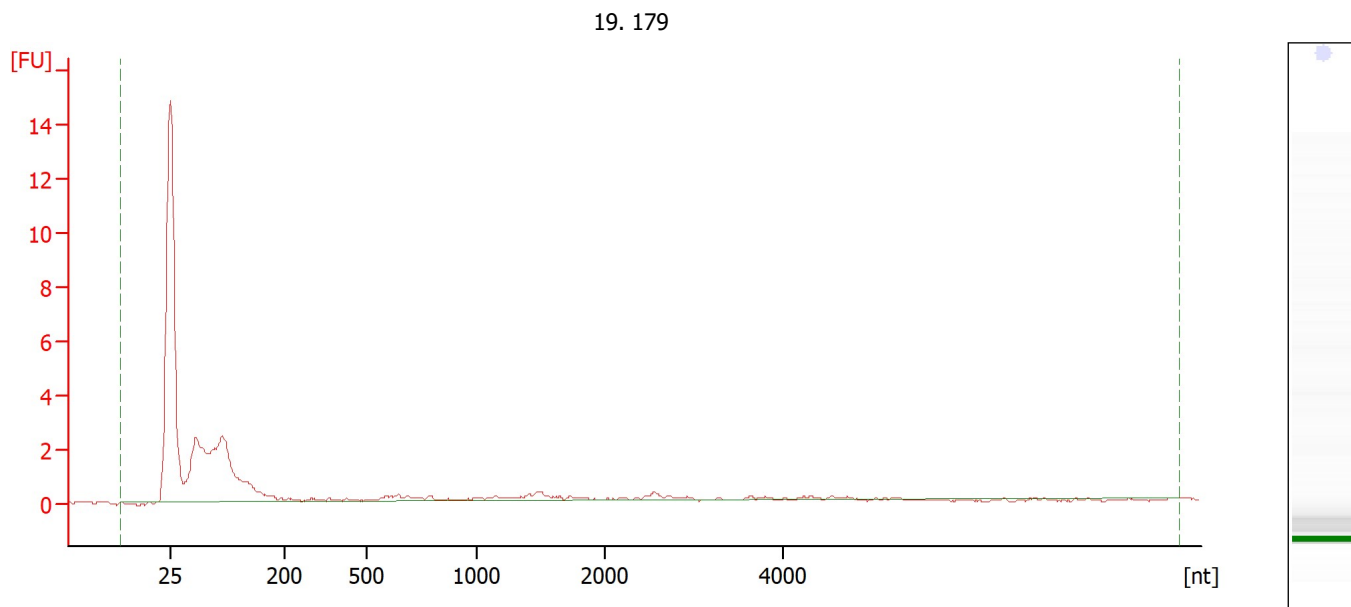
Fragment table for sample 4 : 17. 176 (1:7)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,259	1,680	84.7	14.5
28S	2,148	3,078	95.9	16.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



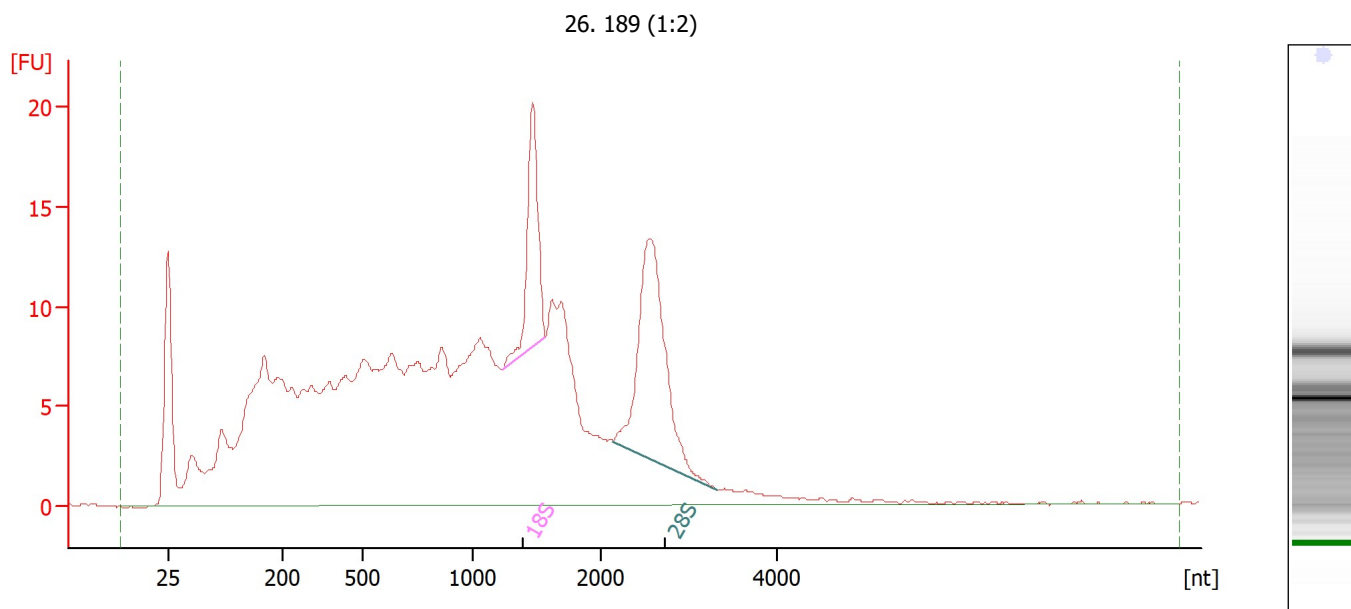
Overall Results for sample 5 : 19. 179

RNA Area:	27.5	RNA Integrity Number (RIN):	1.7 (B.02.10)
RNA Concentration:	168 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.70

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 26. 189 (1:2)

RNA Area:	460.6	RNA Integrity Number (RIN):	5.5 (B.02.10)
RNA Concentration:	2,818 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 5.50

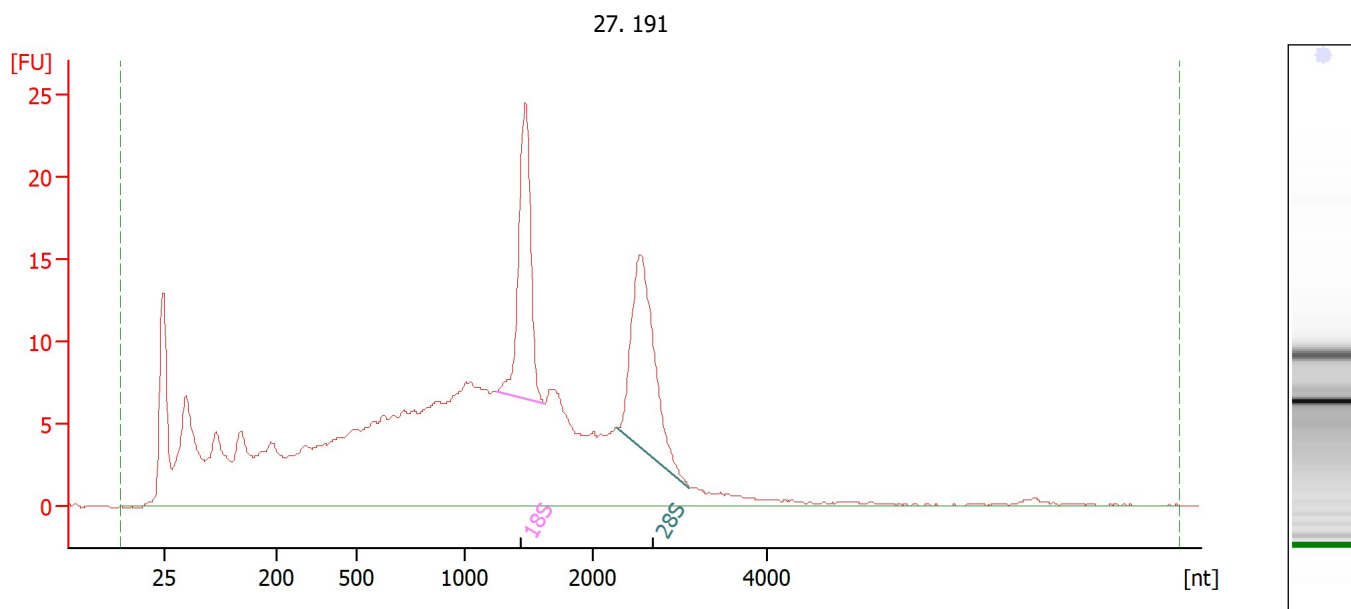
Fragment table for sample 6 : 26. 189 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,229	1,561	18.3	4.0
28S	2,135	3,312	36.1	7.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 27.191

RNA Area:	415.5	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	2,542 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.10

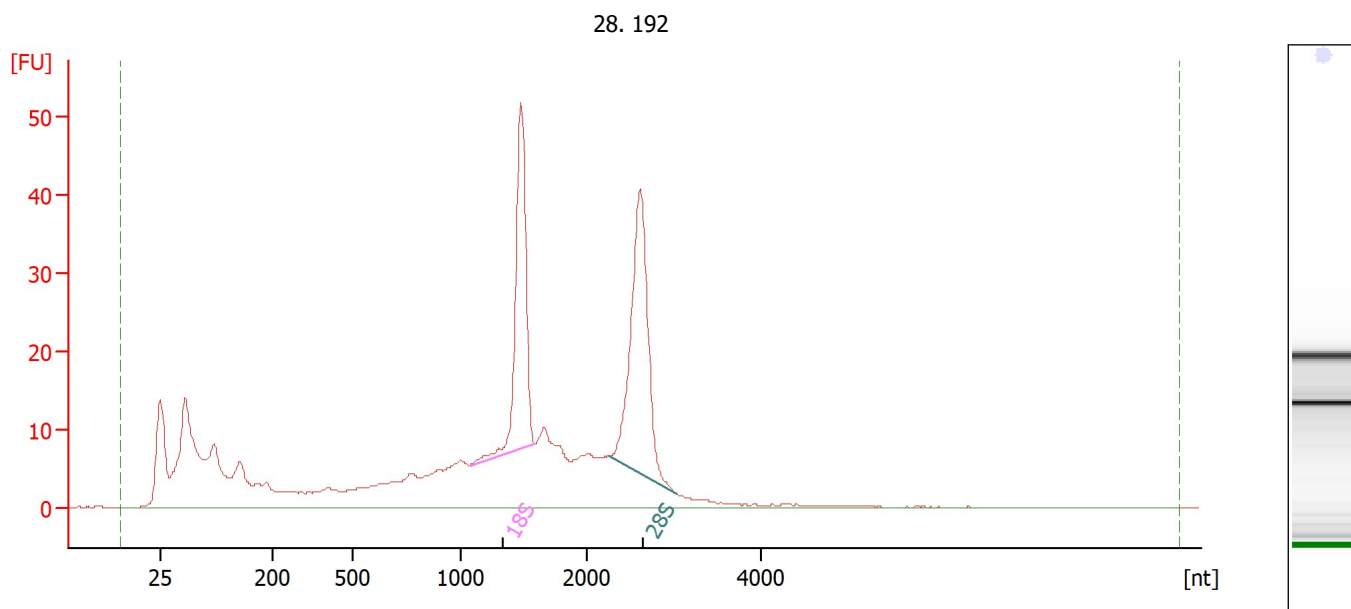
Fragment table for sample 7 : 27.191

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,245	1,613	30.2	7.3
28S	2,280	3,101	33.3	8.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 28. 192

RNA Area:	506.0	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	3,096 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.80

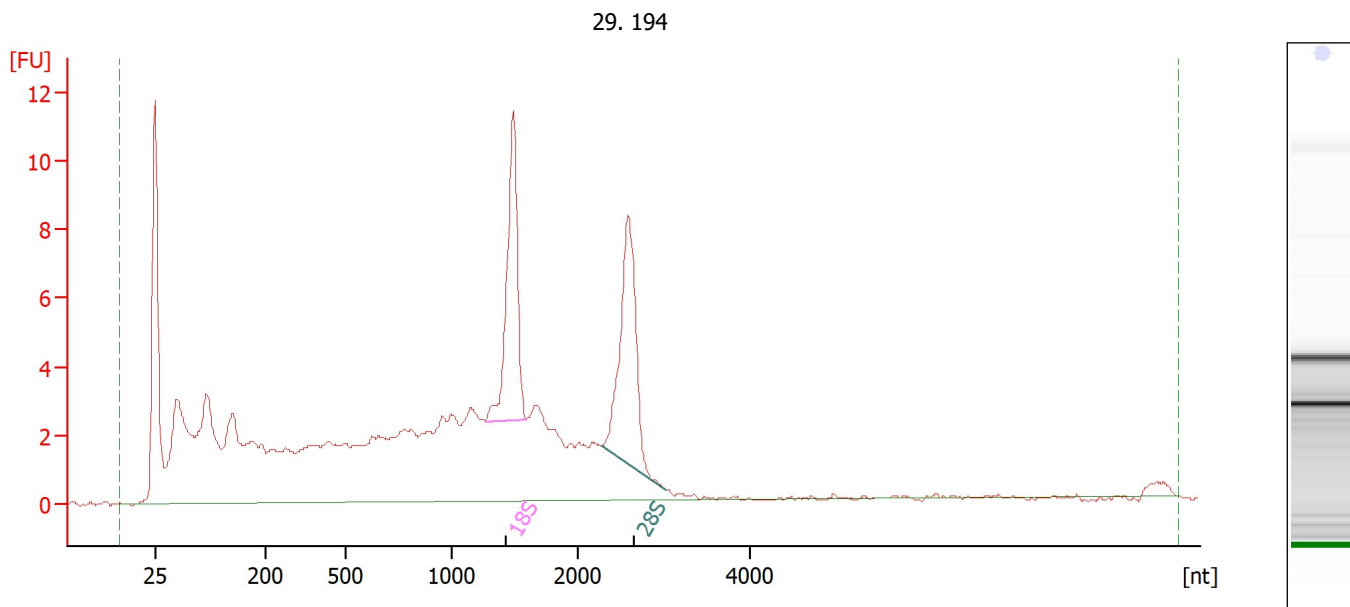
Fragment table for sample 8 : 28. 192

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,078	1,592	63.0	12.4
28S	2,255	3,044	77.1	15.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 29. 194

RNA Area:	166.0	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	1,015 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.60

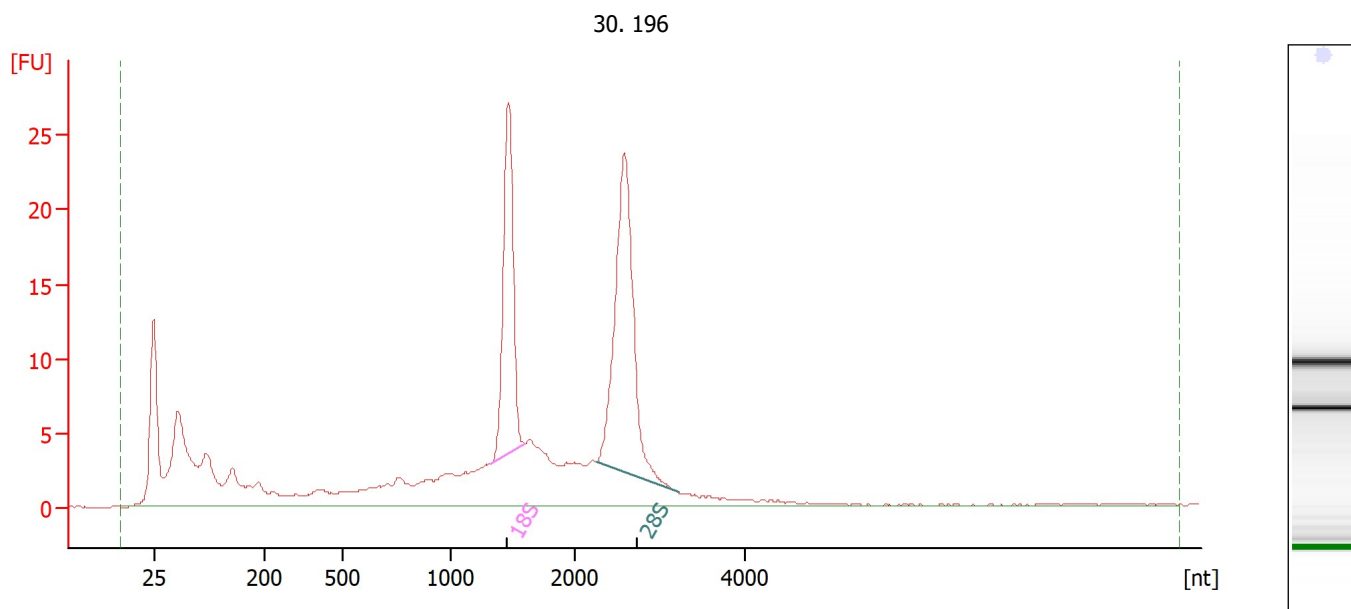
Fragment table for sample 9 : 29. 194

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,263	1,578	13.4	8.1
28S	2,279	3,014	14.3	8.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 30.196

RNA Area:	247.1	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	1,512 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.10

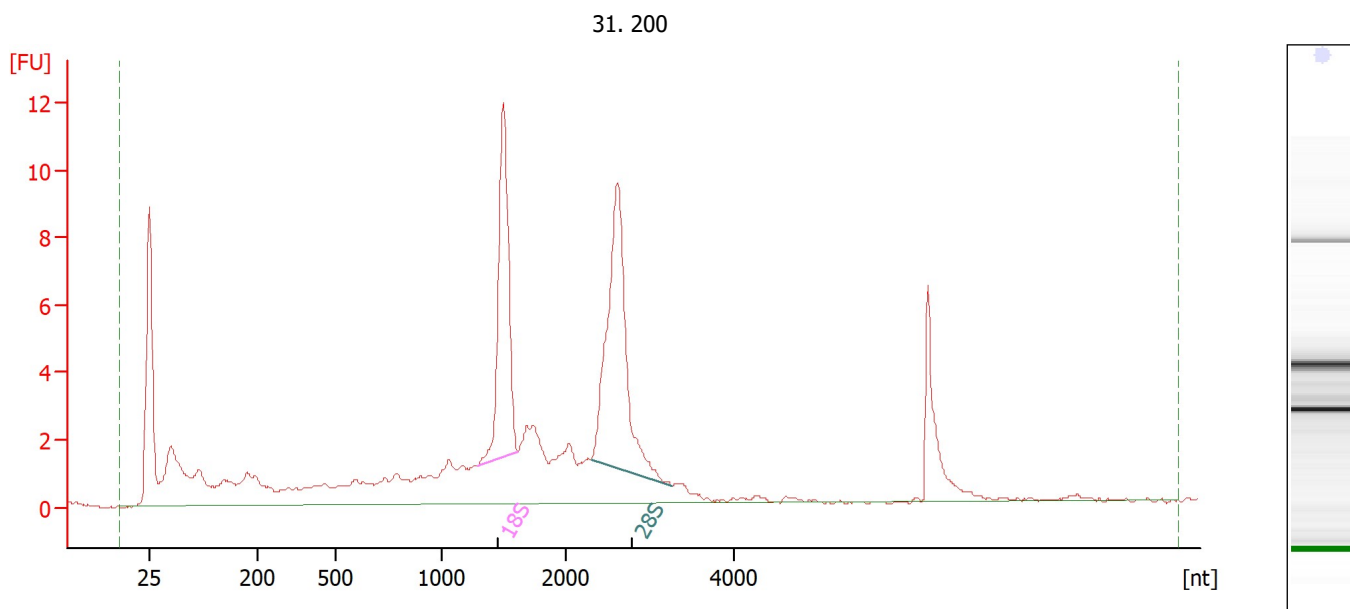
Fragment table for sample 10 : 30.196

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,326	1,600	32.9	13.3
28S	2,253	3,217	49.4	20.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 31. 200

RNA Area:	115.1	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	704 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:8

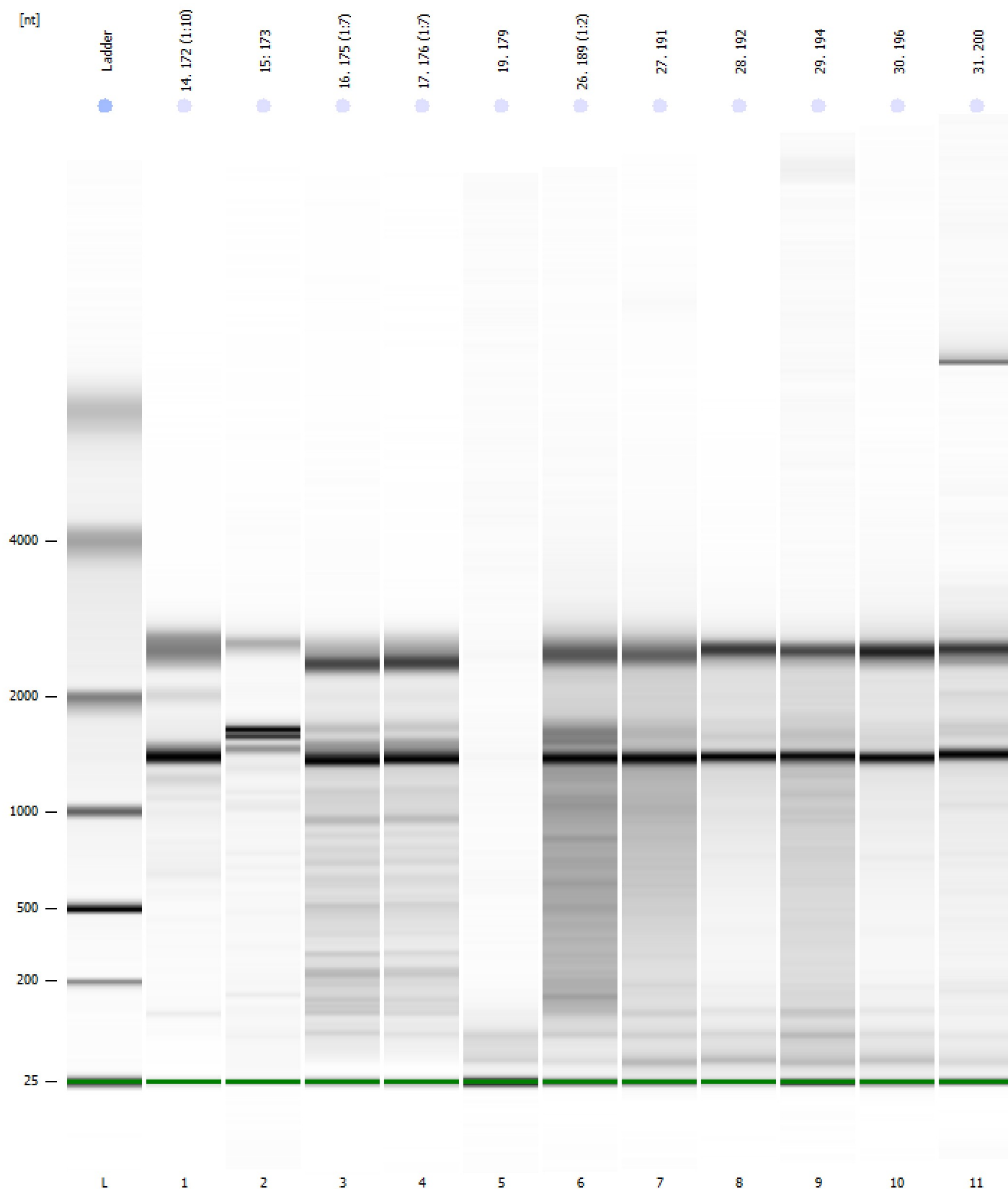
Fragment table for sample 11 : 31. 200

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,292	1,620	15.4	13.4
28S	2,303	3,263	19.7	17.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad

Created: 10/22/2025 10:45:40 AM
Modified: 10/22/2025 11:21:01 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		10/22/2025 11:08:35 AM	(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\2025-10-22\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-10-22_001.xad)		Instrument	Run		10/22/2025 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/22/2025 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/22/2025 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/22/2025 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/22/2025 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/22/2025 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/22/2025 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB