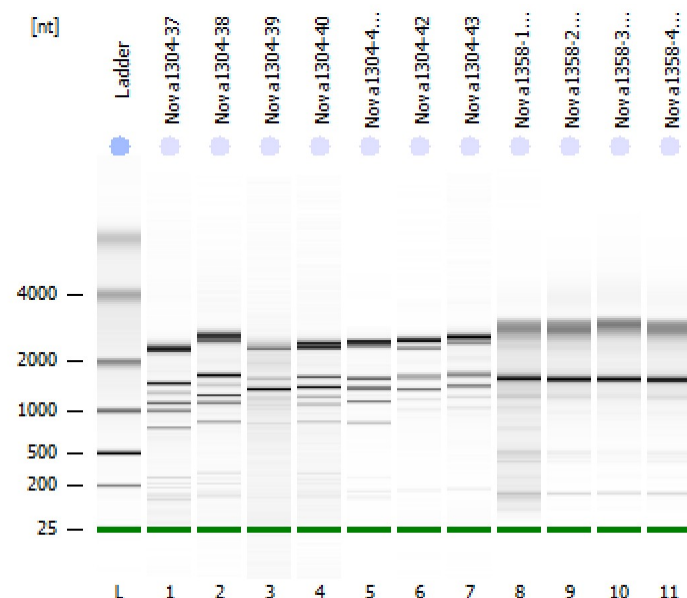


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 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)

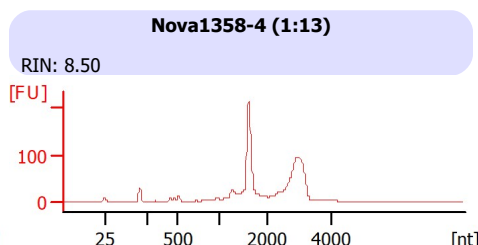
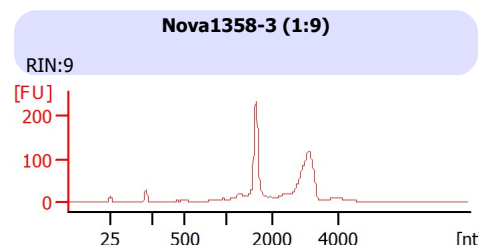
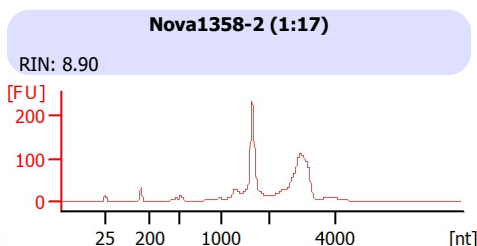
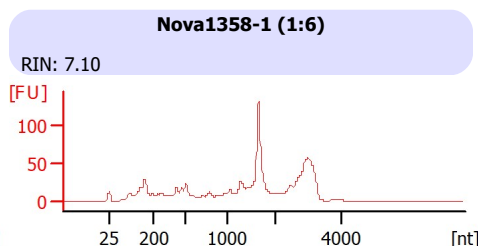
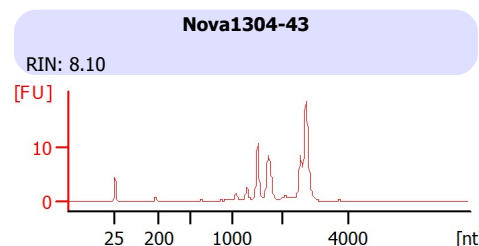
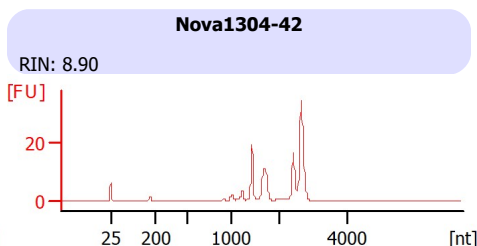
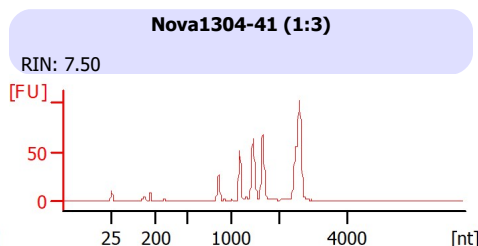
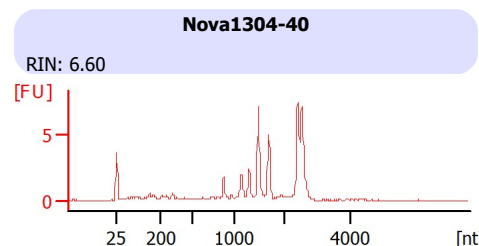
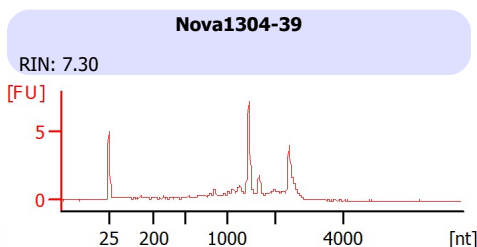
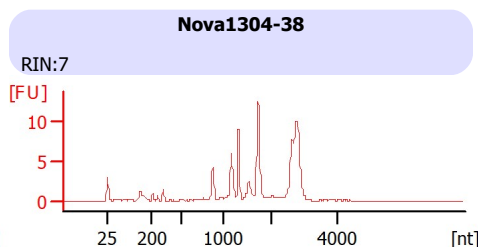
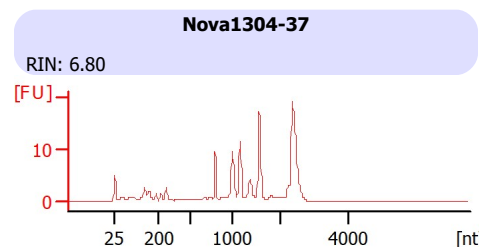
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova1304-37		✓	RIN: 6.80	
Nova1304-38		✓	RIN: 7	
Nova1304-39		✓	RIN: 7.30	
Nova1304-40		✓	RIN: 6.60	
Nova1304-41 (1:3)		✓	RIN: 7.50	
Nova1304-42		✓	RIN: 8.90	
Nova1304-43		✓	RIN: 8.10	
Nova1358-1 (1:6)		✓	RIN: 7.10	
Nova1358-2 (1:17)		✓	RIN: 8.90	
Nova1358-3 (1:9)		✓	RIN: 9	
Nova1358-4 (1:13)		✓	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_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 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

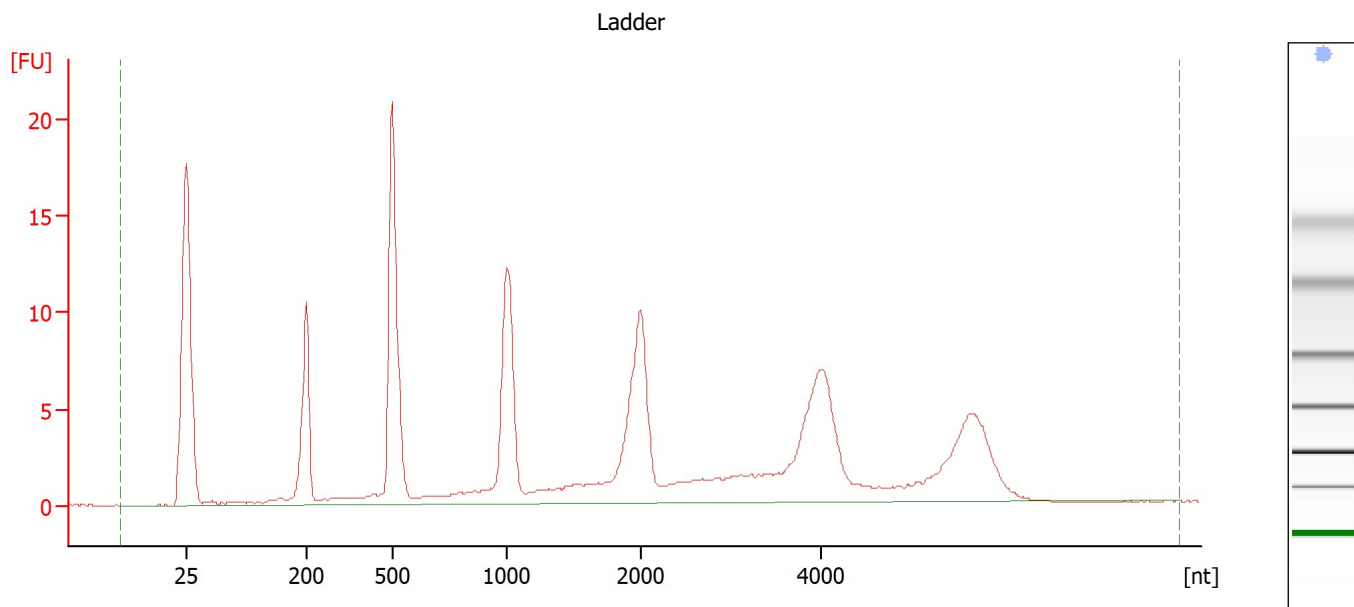
Ladder

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_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary



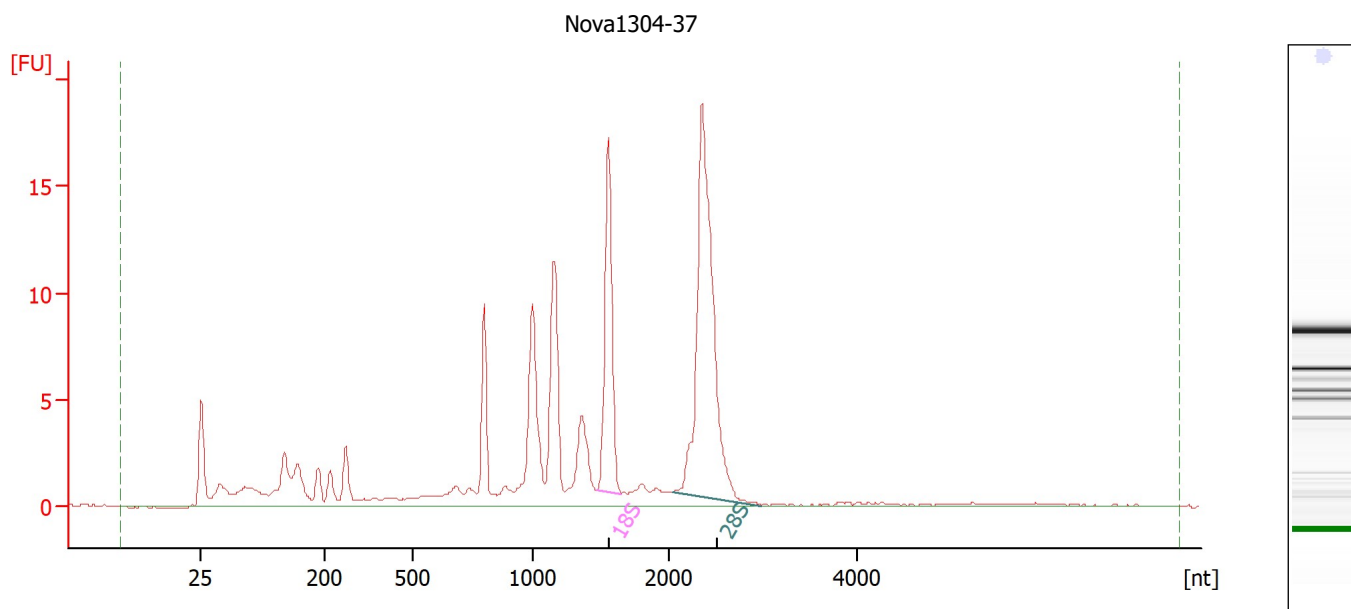
Overall Results for Ladder

RNA Area:	167.9	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_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova1304-37

RNA Area:	136.0	RNA Integrity Number (RIN):	6.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	810 pg/μl		
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.80

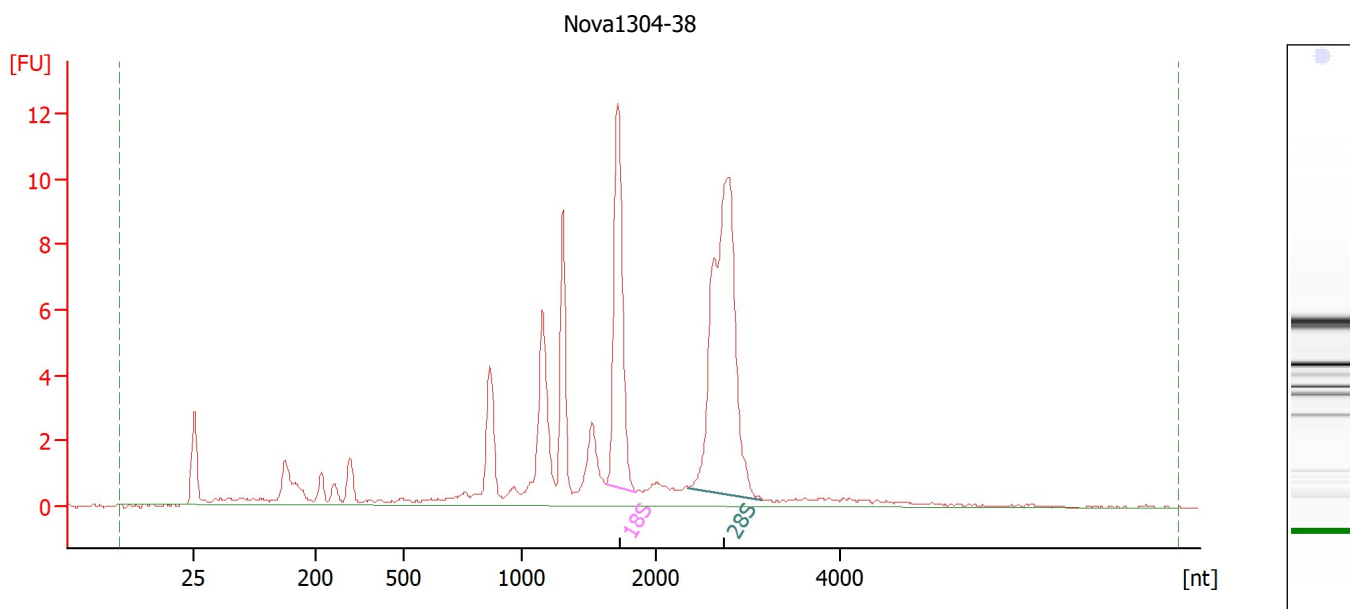
Fragment table for sample 1 : Nova1304-37

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,466	1,646	15.5	11.4
28S	2,043	2,979	33.6	24.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1304-38

RNA Area:	87.0	RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	518 pg/μl		
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Color:	
		Result Flagging Label:	RIN:7

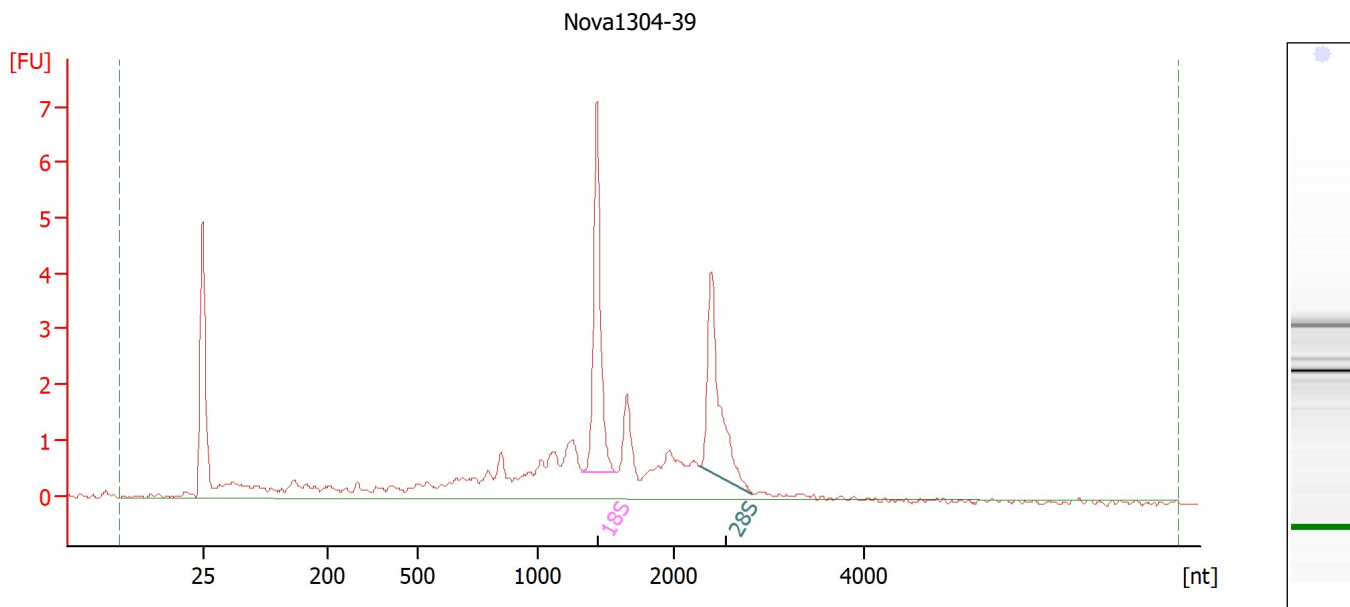
Fragment table for sample 2 : Nova1304-38

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,623	1,845	12.5	14.3
28S	2,352	3,149	24.9	28.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1304-39

RNA Area:	38.0	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	226 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.30

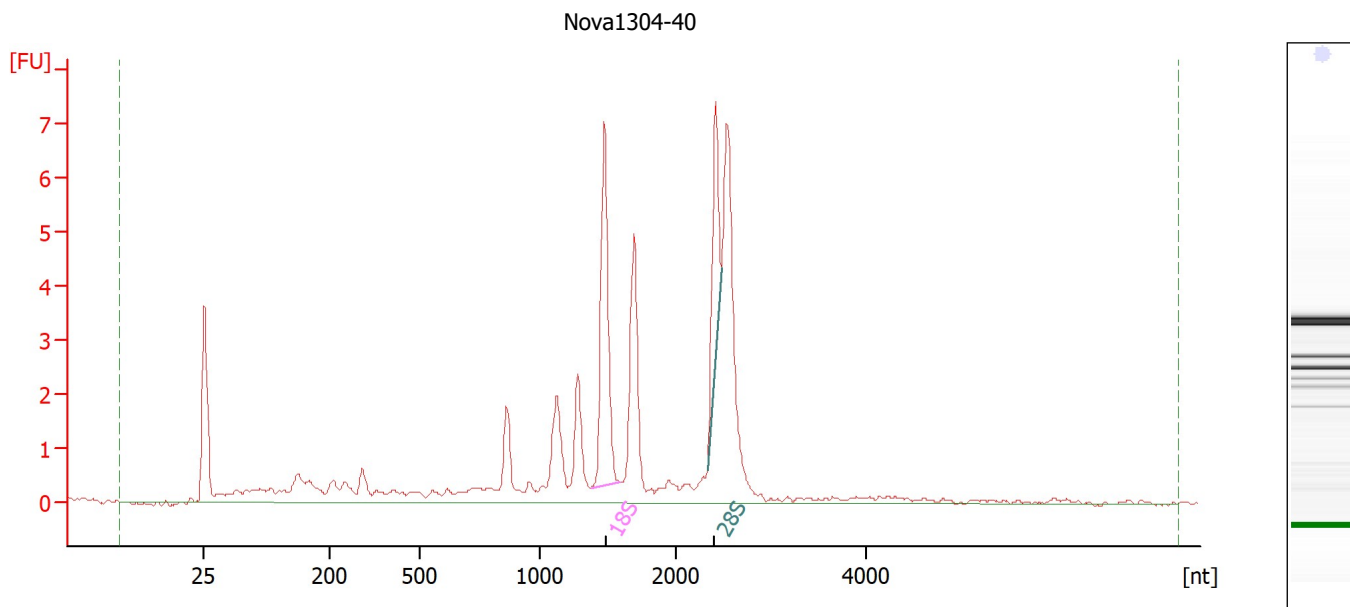
Fragment table for sample 3 : Nova1304-39

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,331	1,580	6.1	16.0
28S	2,271	2,827	4.9	12.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1304-40

RNA Area:	48.7	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	290 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 6.60

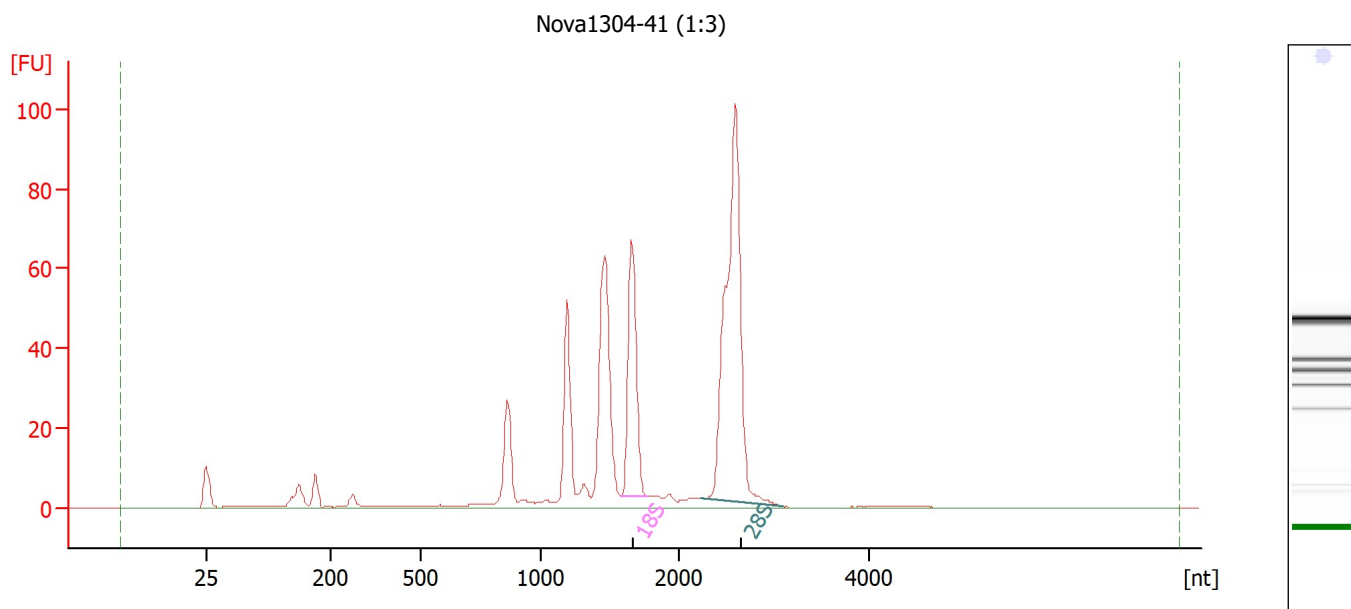
Fragment table for sample 4 : Nova1304-40

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,379	1,589	6.0	12.3
28S	2,328	2,475	3.0	6.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova1304-41 (1:3)

RNA Area:	475.8	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,834 pg/μl		
rRNA Ratio [28s / 18s]:	2.6	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.50

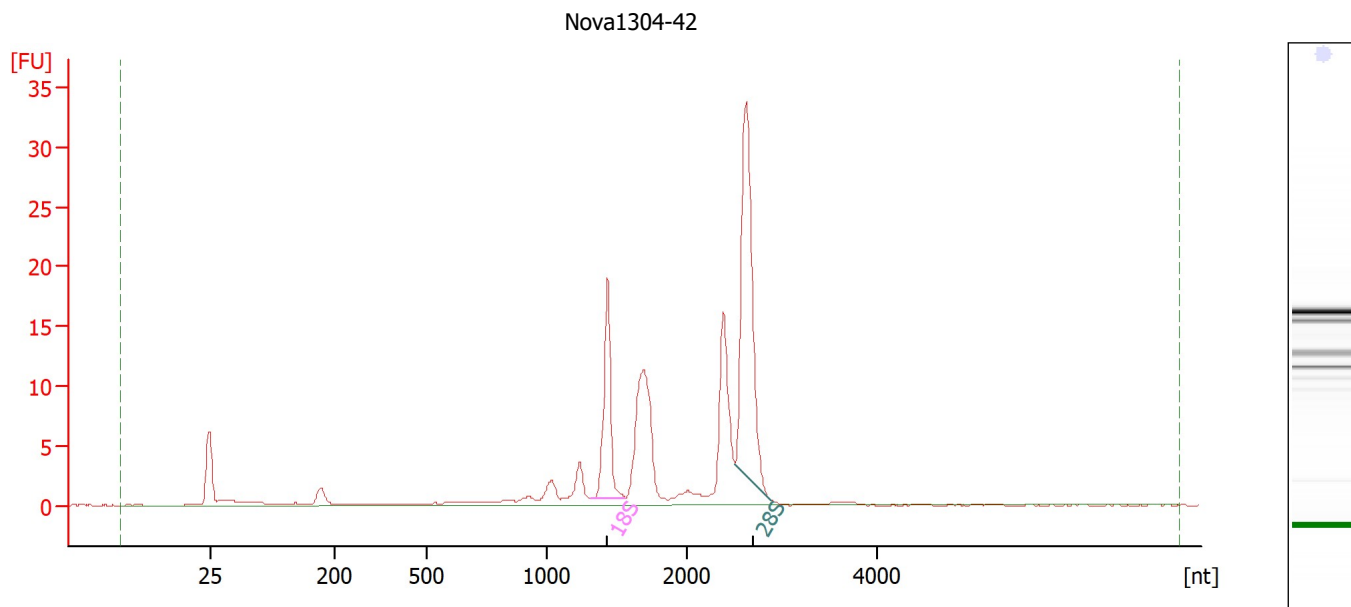
Fragment table for sample 5 : Nova1304-41 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,575	1,768	63.9	13.4
28S	2,215	3,084	166.6	35.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova1304-42

RNA Area:	127.0	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	756 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 8.90

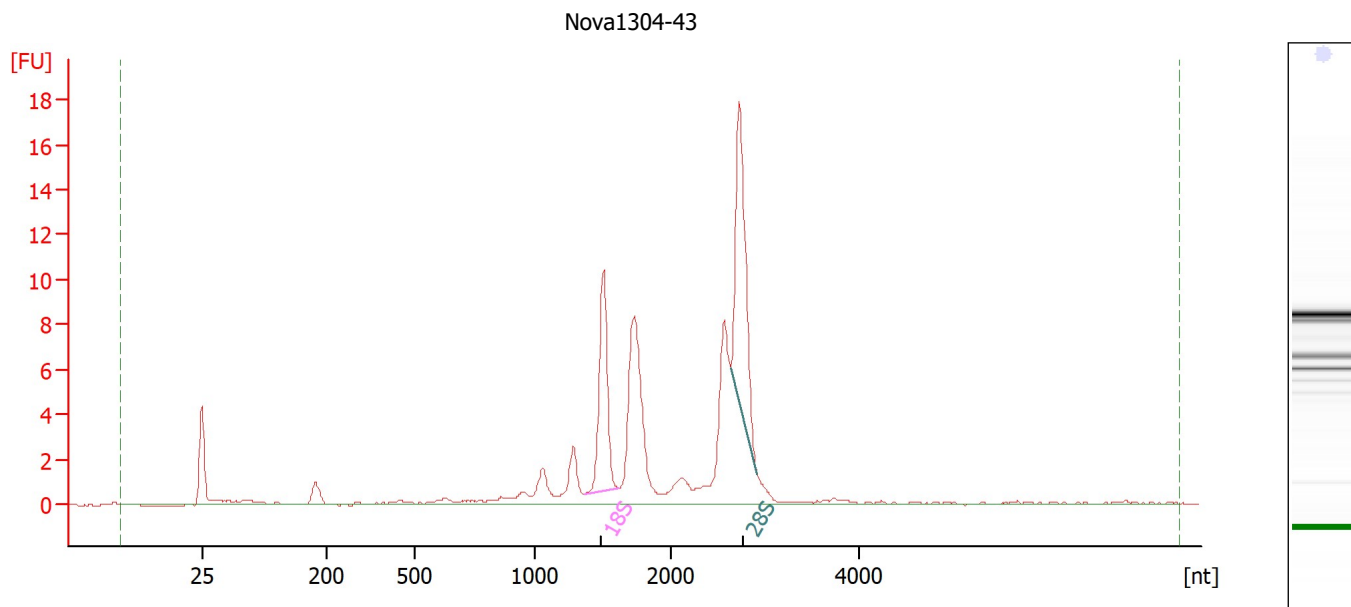
Fragment table for sample 6 : Nova1304-42

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,310	1,563	15.8	12.4
28S	2,519	2,889	36.7	28.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova1304-43

RNA Area:	79.9	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	476 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.10

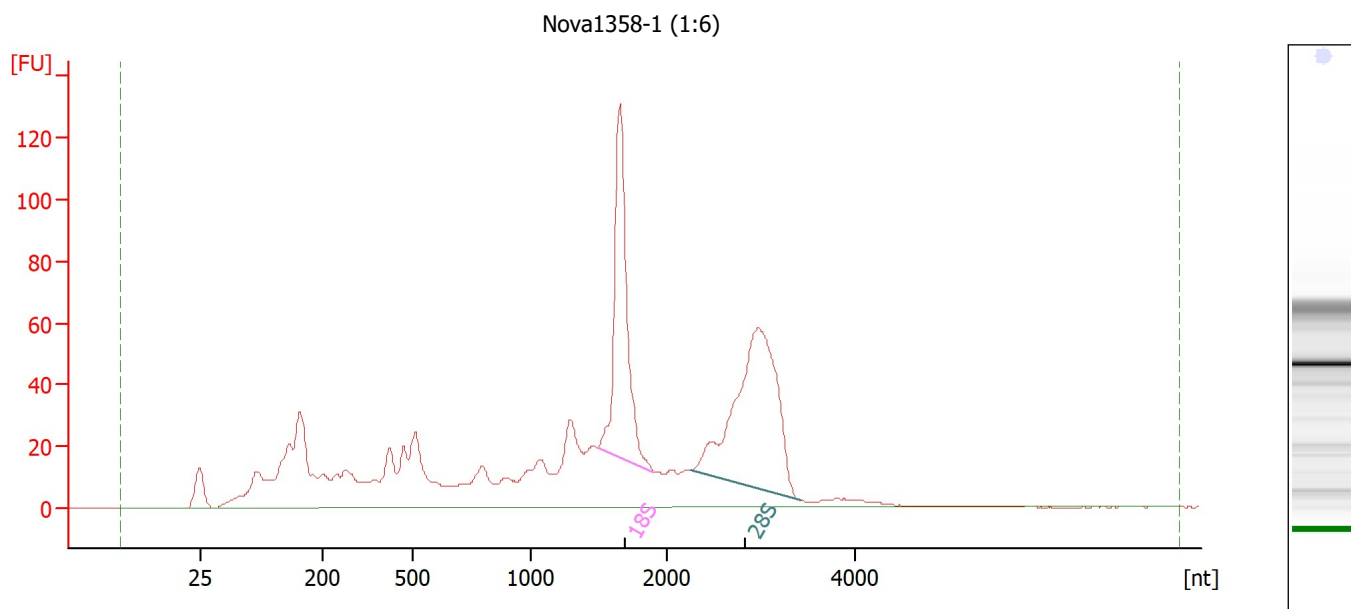
Fragment table for sample 7 : Nova1304-43

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,366	1,616	9.8	12.3
28S	2,624	2,920	14.8	18.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova1358-1 (1:6)

RNA Area:	1,297.5	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	7,729 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.10

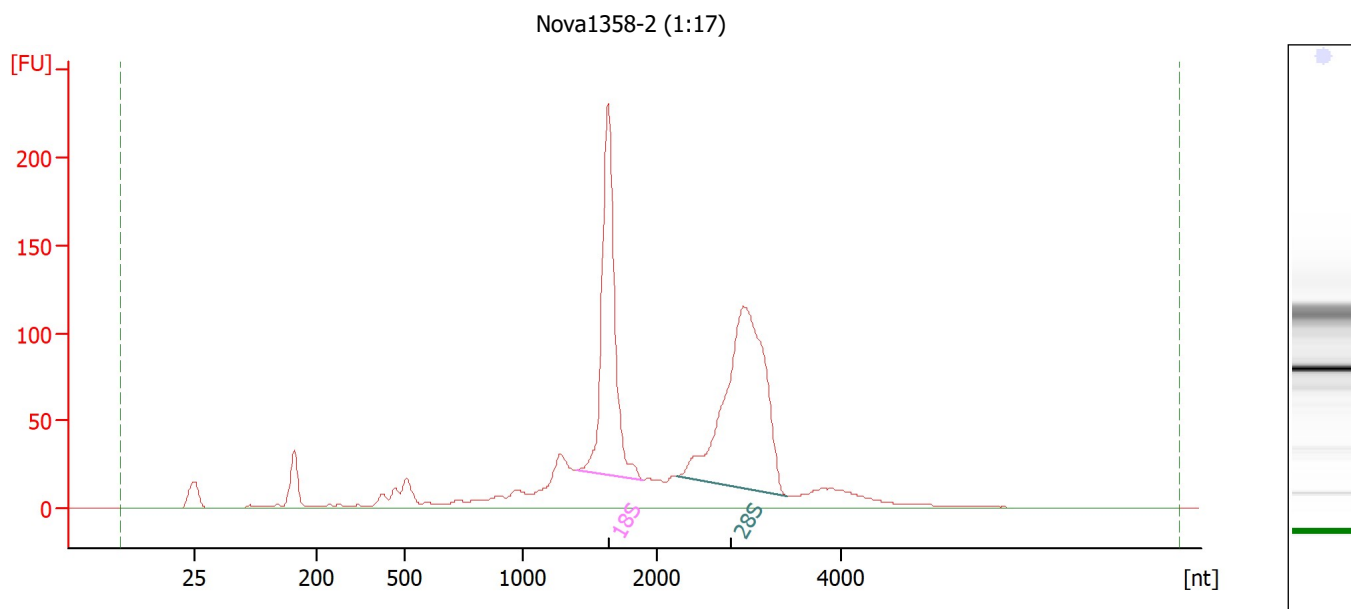
Fragment table for sample 8 : Nova1358-1 (1:6)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,896	172.5	13.3
28S	2,248	3,437	241.6	18.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova1358-2 (1:17)

RNA Area:	1,550.3	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	9,234 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

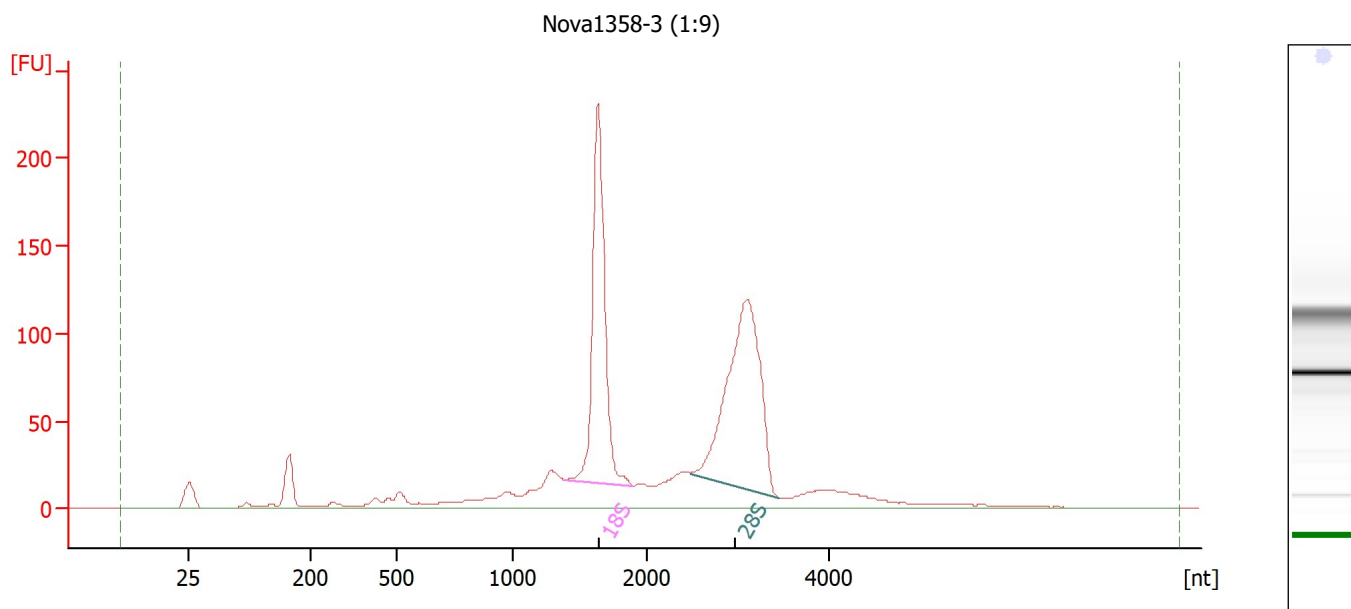
Fragment table for sample 9 : Nova1358-2 (1:17)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,401	1,892	343.4	22.1
28S	2,224	3,415	468.4	30.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nova1358-3 (1:9)

RNA Area:	1,400.1	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	8,339 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:9

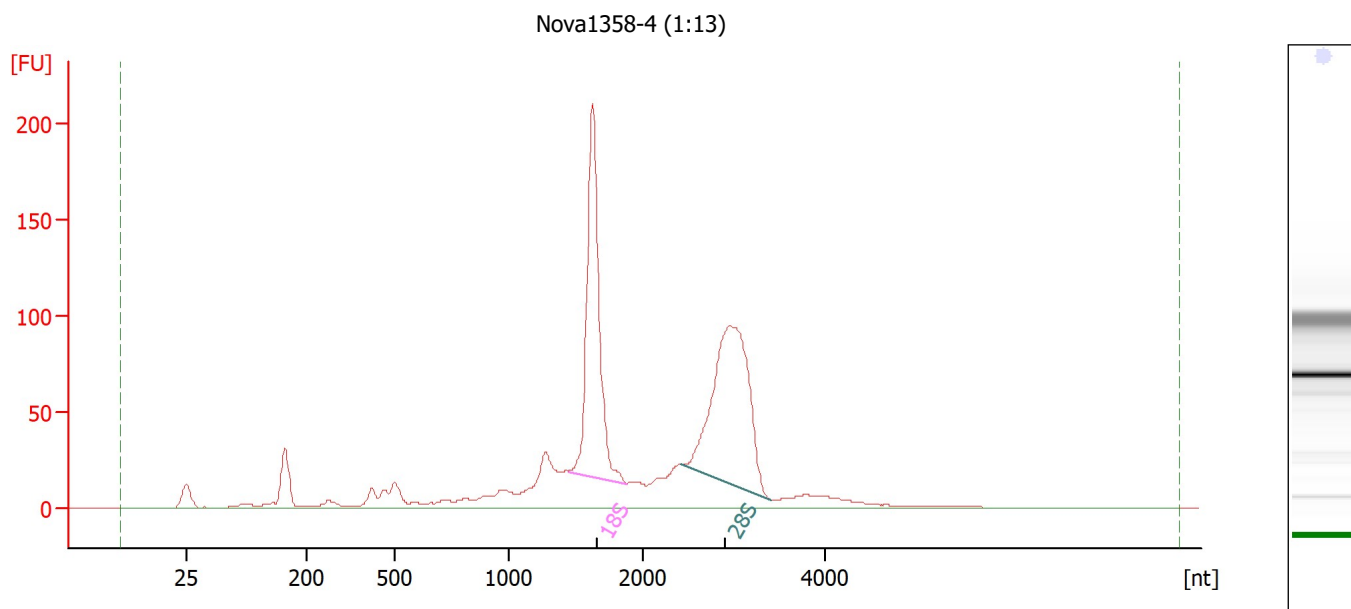
Fragment table for sample 10 : Nova1358-3 (1:9)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,392	1,905	337.2	24.1
28S	2,481	3,451	395.5	28.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova1358-4 (1:13)

RNA Area:	1,325.0	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	7,892 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

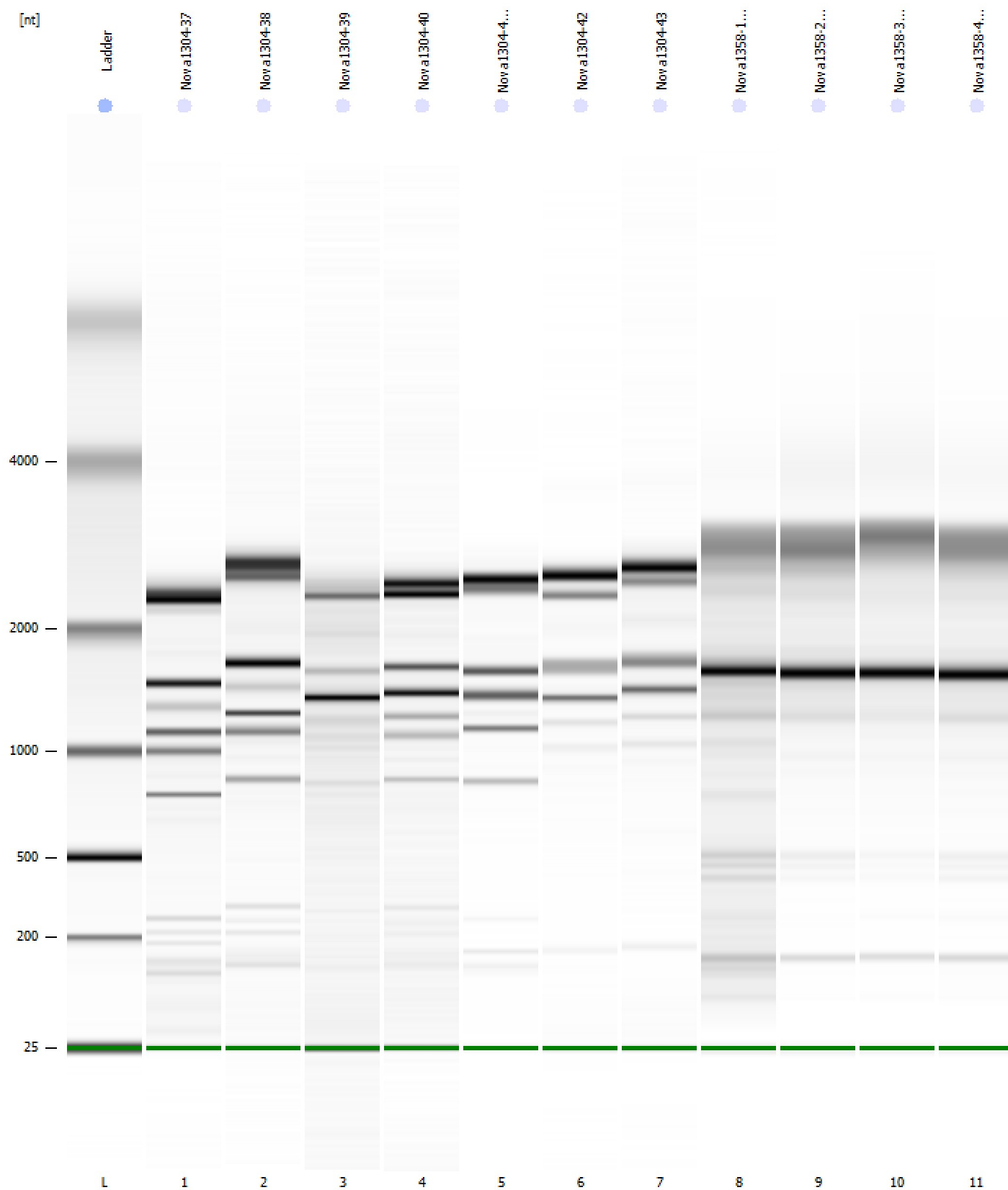
Fragment table for sample 11 : Nova1358-4 (1:13)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,445	1,879	302.4	22.8
28S	2,423	3,409	341.6	25.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad

Created: 7/14/2025 4:56:03 PM
Modified: 7/14/2025 5:28:04 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		7/14/2025 5:18:54 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\2025-07-14\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-07-14_001.xad)		Instrument	Run		7/14/2025 4:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/14/2025 4:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/14/2025 4:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/14/2025 4:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/14/2025 4:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/14/2025 4:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/14/2025 4:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB