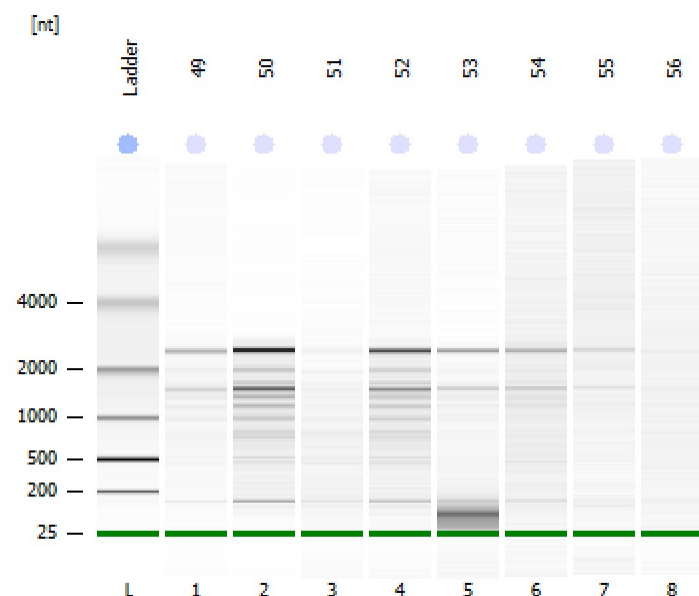


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electrophoresis File Run Summary



Instrument Information:

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

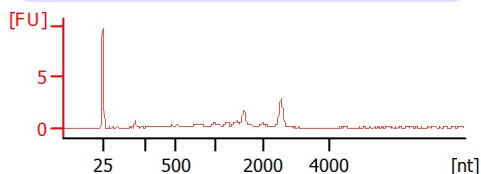
Assay Information:

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)
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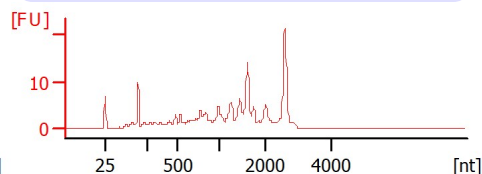
Chip Information:

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

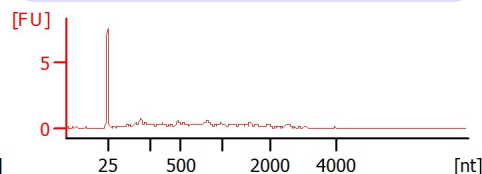
49
TAG0320
RIN: 7.30



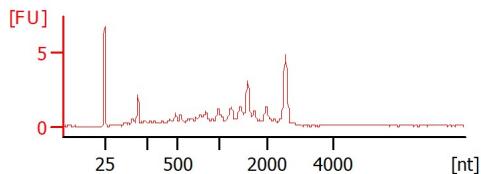
50
TAG0320
RIN: 7



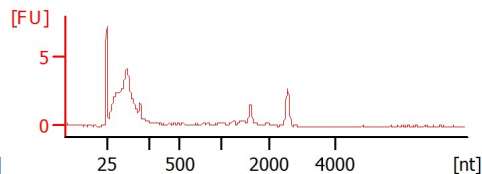
51
TAG0320
RIN: 1.10



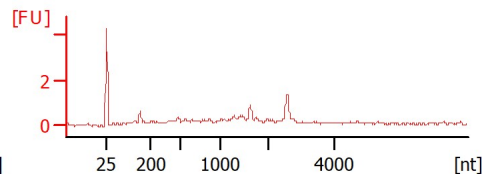
52
TAG0320
RIN: 6.80



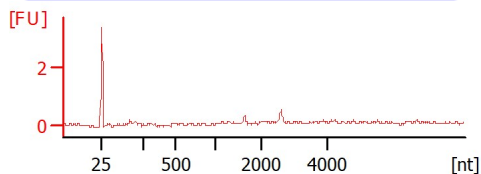
53
TAG0320
RIN: 4.50



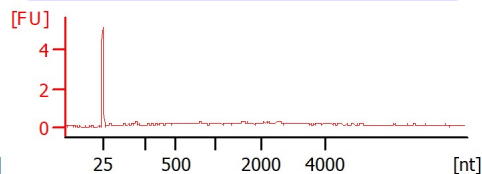
54
TAG0320
RIN: 6.10



55
TAG0320
RIN: 2



56
TAG0320
RIN: 1



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
49	TAG0320	✓	RIN: 7.30	
50	TAG0320	✓	RIN:7	
51	TAG0320	✓	RIN: 1.10	
52	TAG0320	✓	RIN: 6.80	
53	TAG0320	✓	RIN: 4.50	
54	TAG0320	✓	RIN: 6.10	
55	TAG0320	✓	RIN:2	
56	TAG0320	✓	RIN:1	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 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/ 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

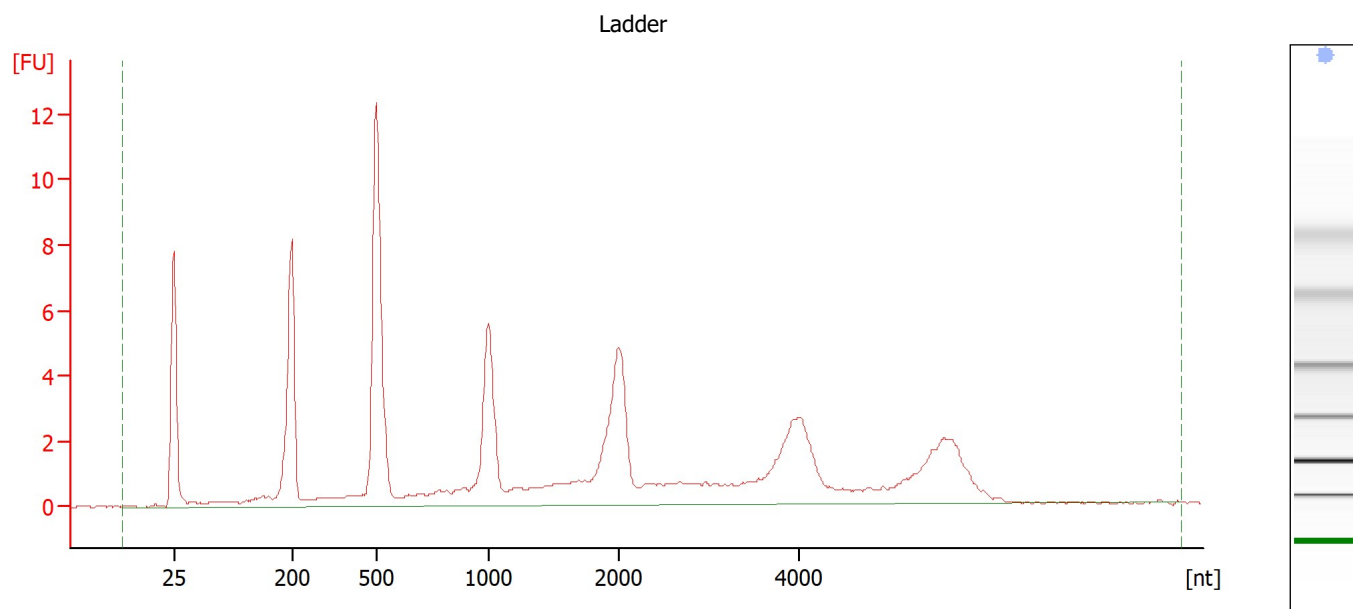
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 95.8

Result Flagging Color:



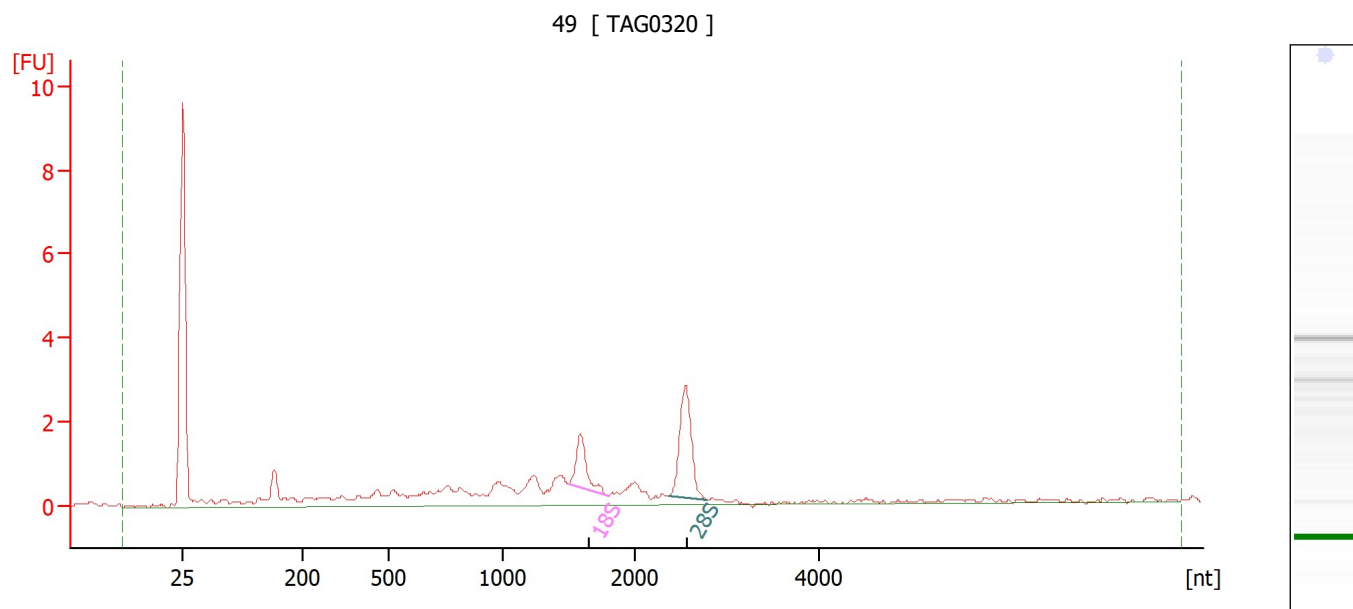
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 49**

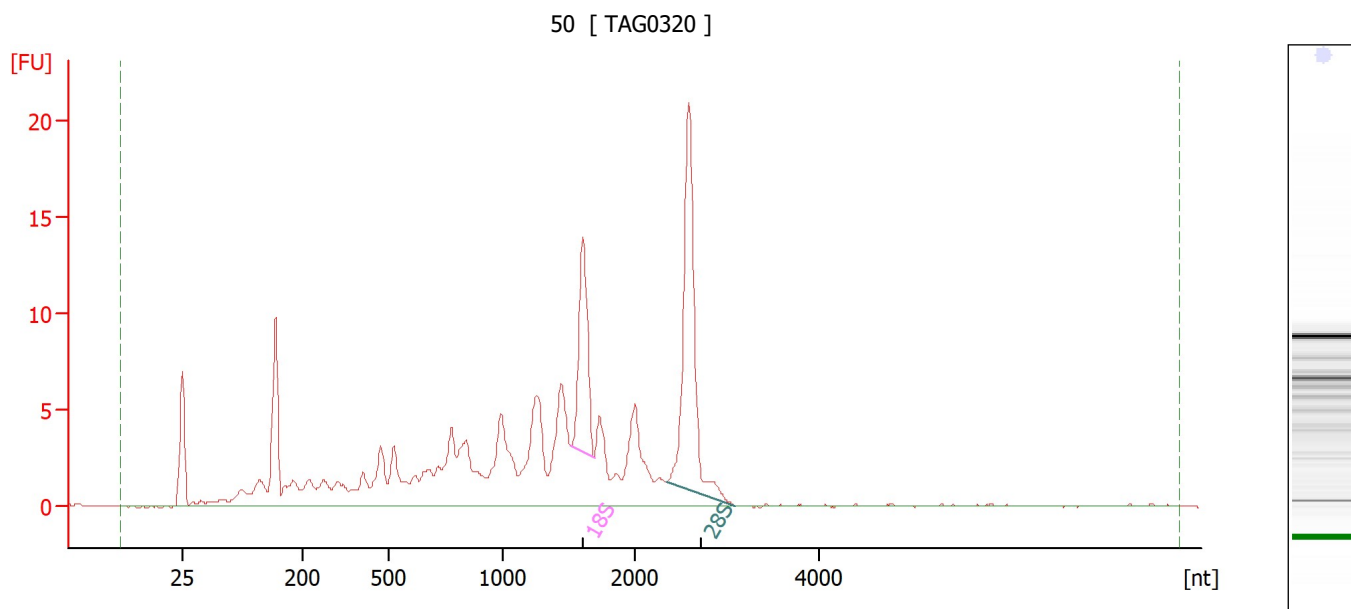
RNA Area:	25.3	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	264 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 7.30

Fragment table for sample 1 : 49

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,793	1.9	7.4
28S	2,353	2,771	3.7	14.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 50**

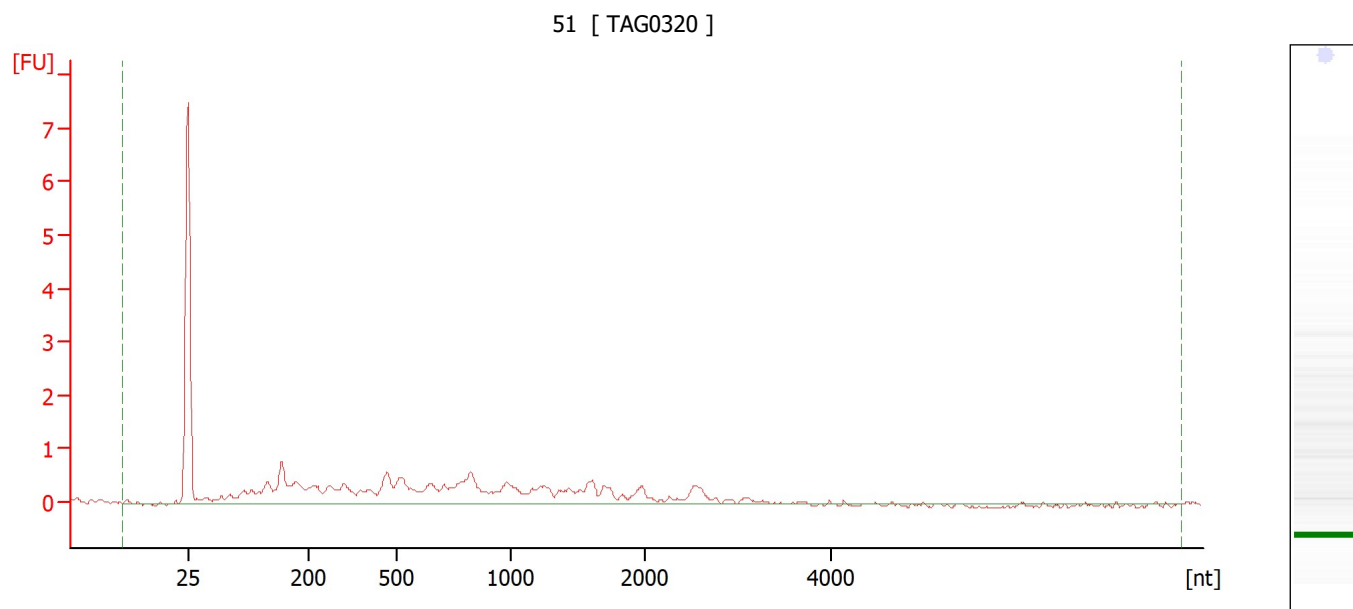
RNA Area:	170.3	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	1,777 pg/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	2.1	Result Flagging Label:	RIN:7

Fragment table for sample 2 : 50

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,513	1,690	12.5	7.4
28S	2,329	3,083	25.9	15.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

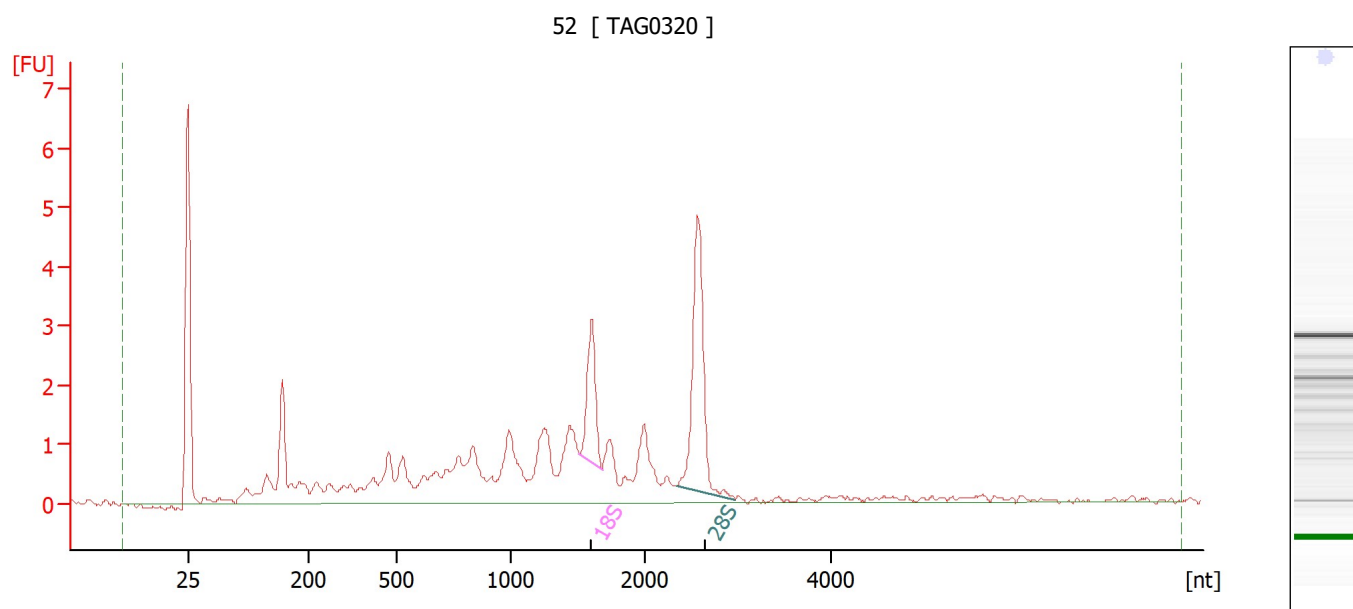
Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 51**

RNA Area:	18.2	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	190 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 52**

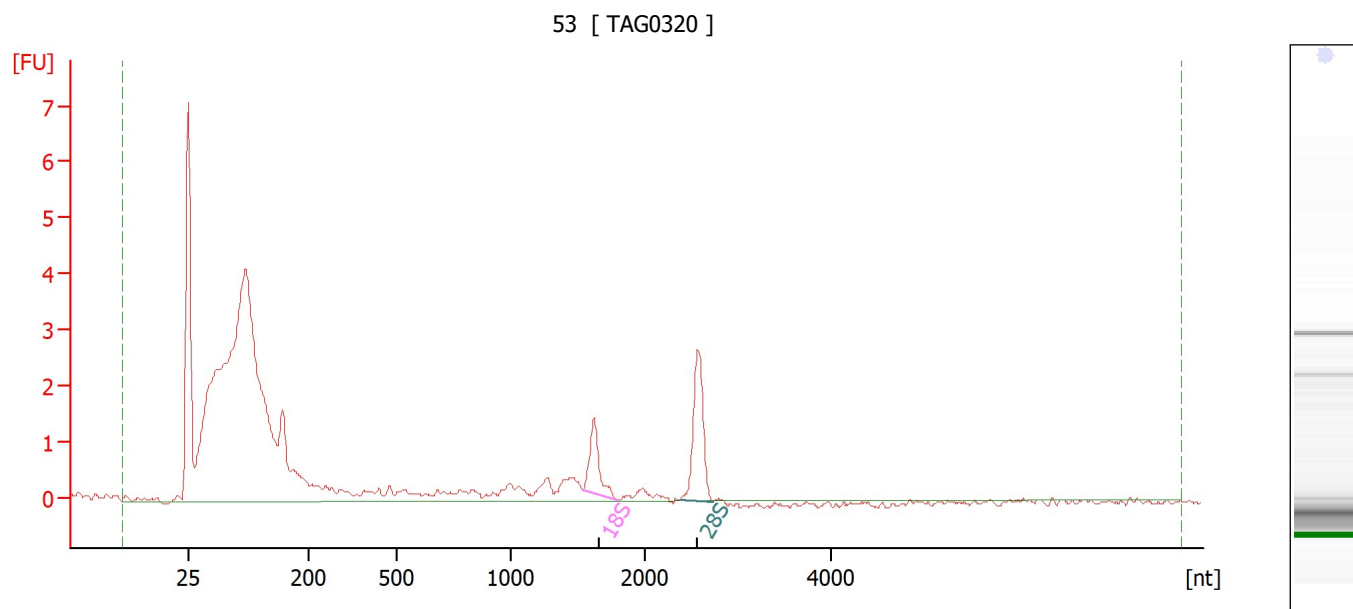
RNA Area:	41.4	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	432 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 6.80

Fragment table for sample 4 : 52

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,503	1,678	2.5	6.1
28S	2,329	2,961	5.7	13.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 53**

RNA Area: 52.1

RNA Integrity Number (RIN):

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

RNA Concentration: 544 pg/μl

rRNA Ratio [28s / 18s]: 1.8

Result Flagging Color:



Result Flagging Label:

RIN: 4.50

Fragment table for sample 5 : 53

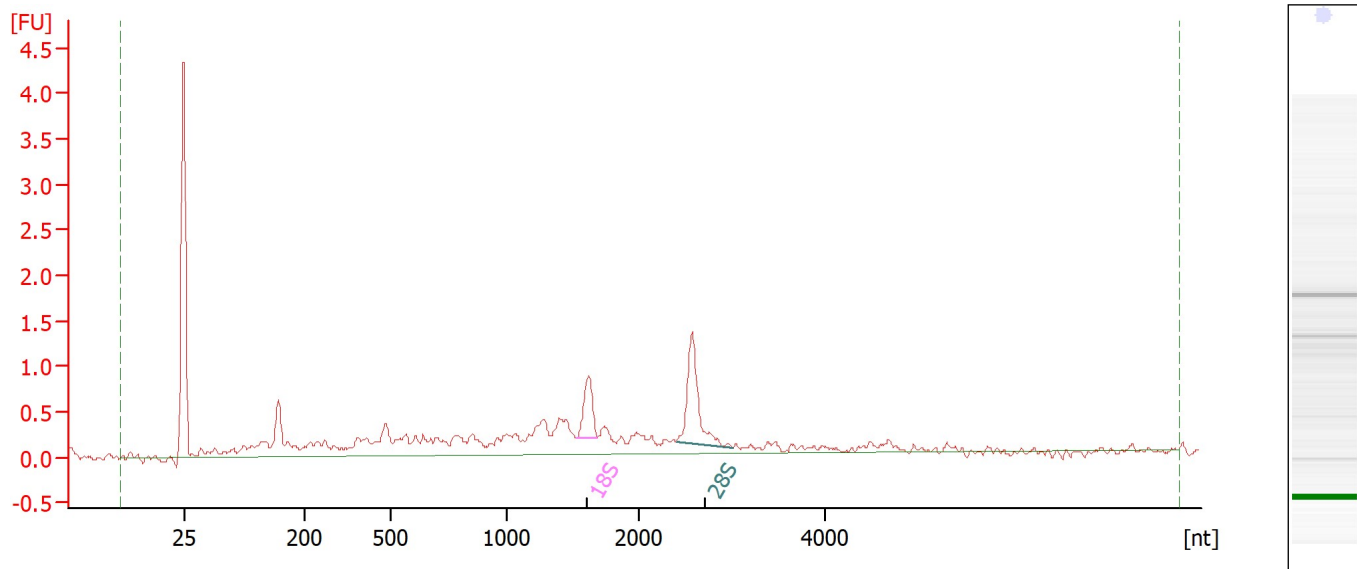
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,527	1,790	1.7	3.2
28S	2,375	2,720	3.0	5.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...

54 [TAG0320]

**Overall Results for sample 6 : 54**

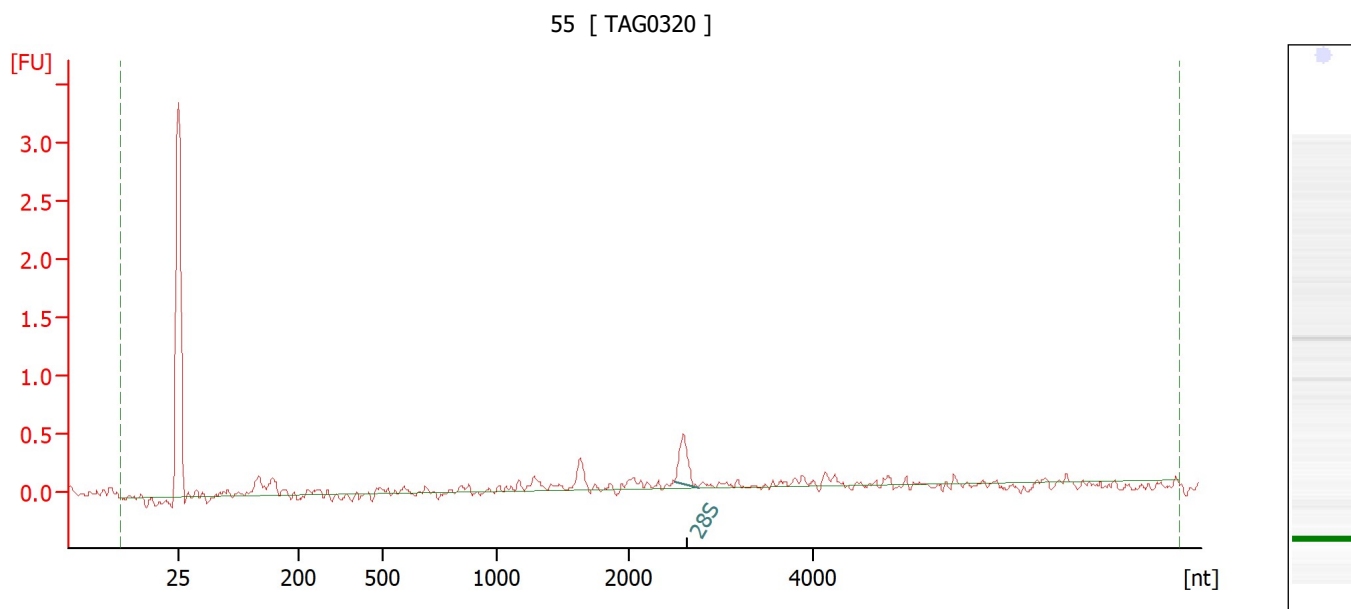
RNA Area:	16.0	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	167 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 6.10

Fragment table for sample 6 : 54

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,684	0.8	4.7
28S	2,398	3,010	1.6	10.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 55**

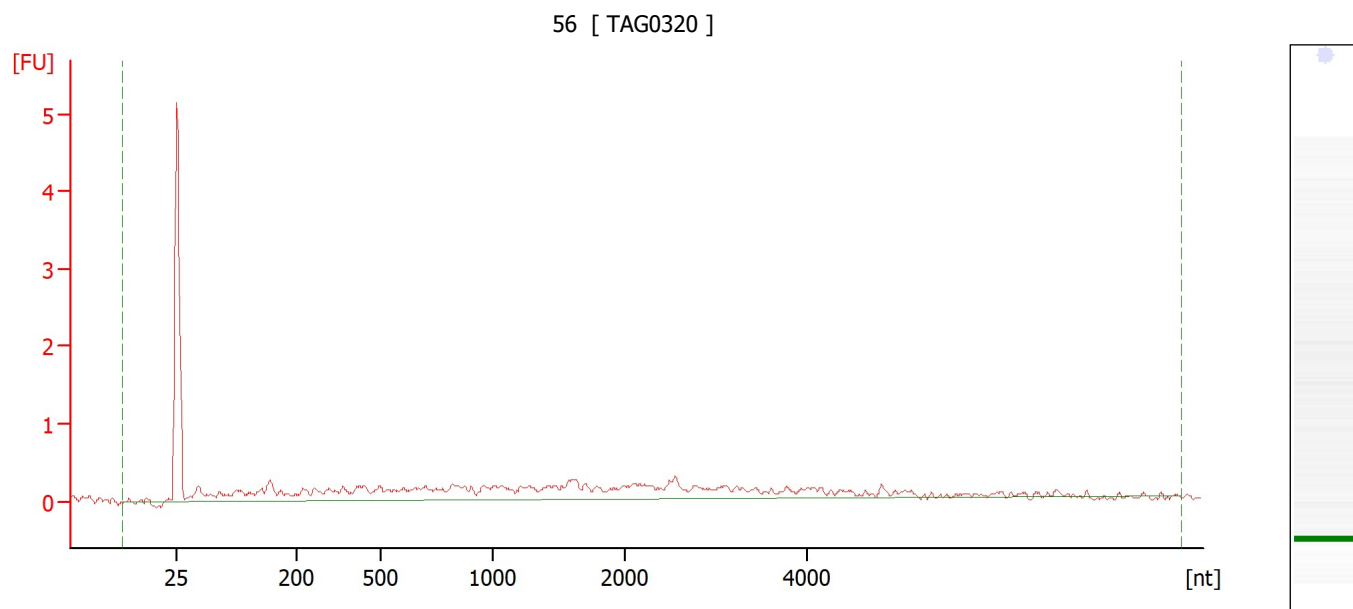
RNA Area:	3.3	RNA Integrity Number (RIN):	2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	34 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:2

Fragment table for sample 7 : 55

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,493	2,750	0.4	13.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

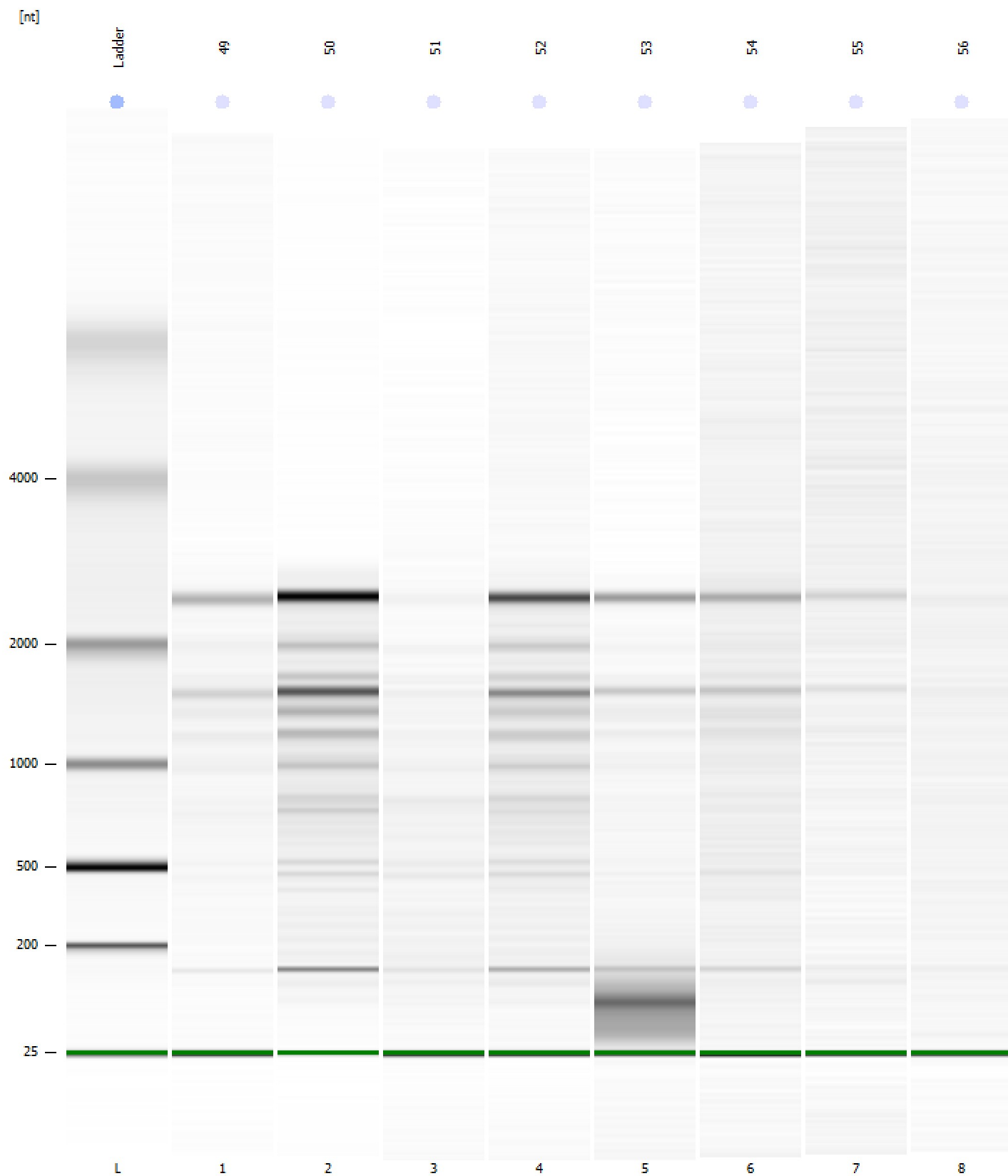
Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 56**

RNA Area:	11.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	122 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:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
Modified: 12/12/2025 1:01:30 PM

Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2025-12-12\TAG0320_49-56_RNA_QC.xad

Created: 12/12/2025 12:21:35 PM
 Modified: 12/12/2025 1:01:30 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		12/12/2025 12:44:37 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-12-12\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-12-12_001.xad)		Instrument	Run		12/12/2025 12:21:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/12/2025 12:21:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/12/2025 12:21:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/12/2025 12:21:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/12/2025 12:21:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/12/2025 12:21:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/12/2025 12:21:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB