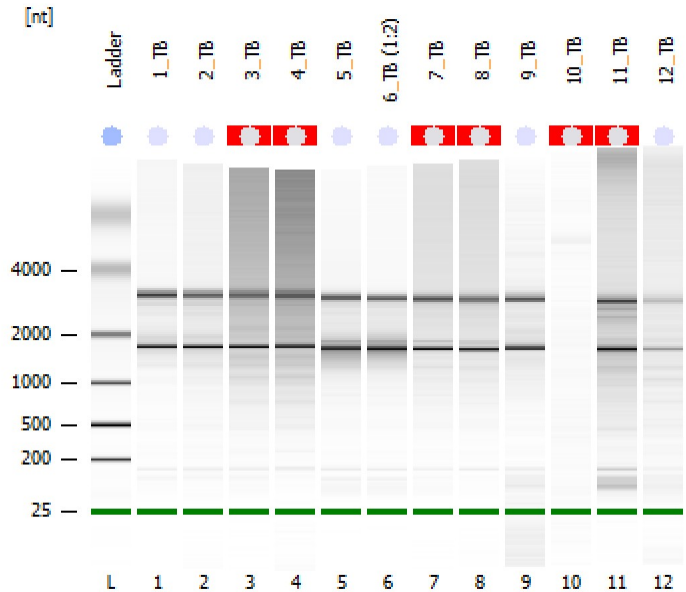


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
Modified: 5/16/2024 2:48:50 PM

Electrophoresis File Run Summary



Instrument Information:

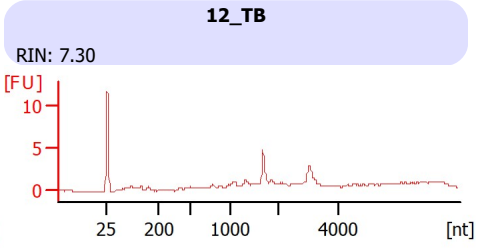
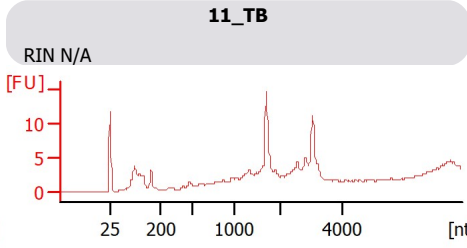
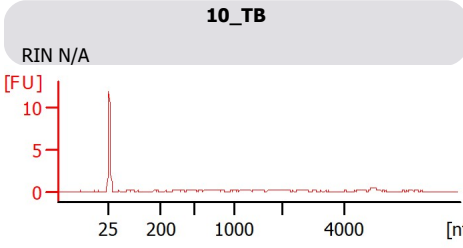
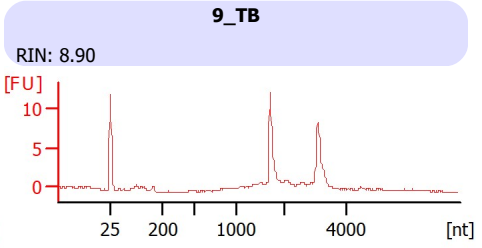
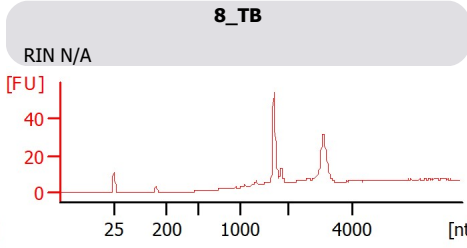
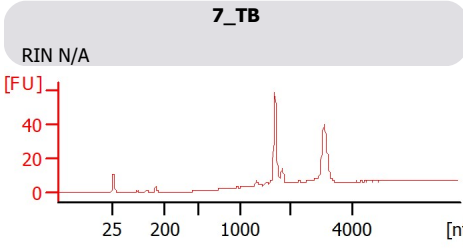
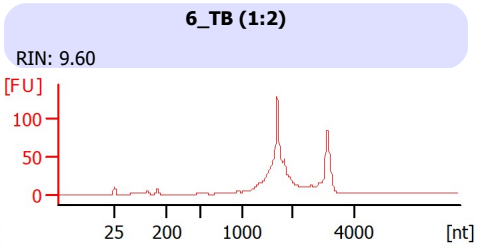
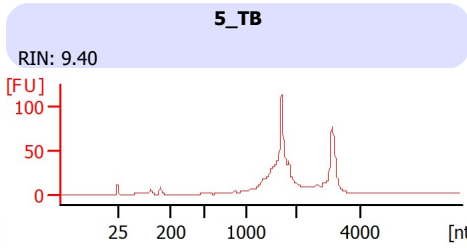
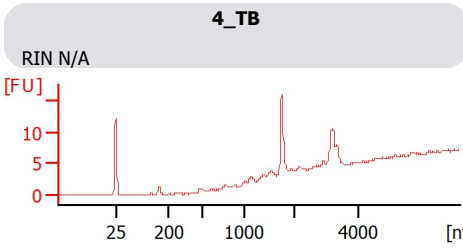
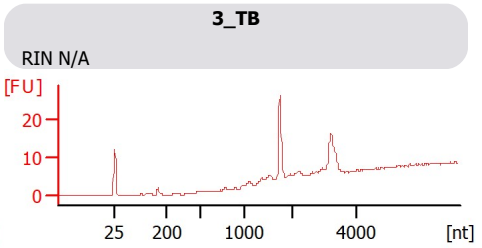
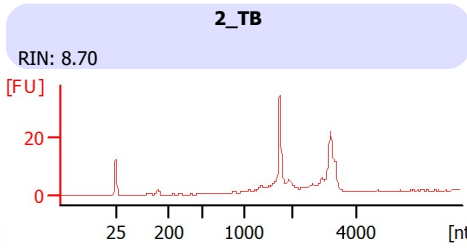
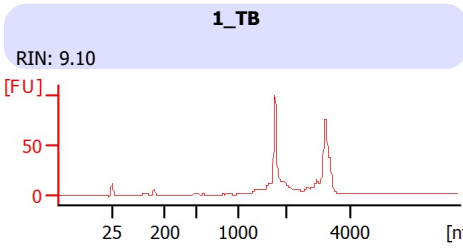
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1_TB		✓	RIN: 9.10	
2_TB		✓	RIN: 8.70	
3_TB		✓	RIN N/A	
4_TB		✓	RIN N/A	
5_TB		✓	RIN: 9.40	
6_TB (1:2)		✓	RIN: 9.60	
7_TB		✓	RIN N/A	
8_TB		✓	RIN N/A	
9_TB		✓	RIN: 8.90	
10_TB		✓	RIN N/A	
11_TB		✓	RIN N/A	
12_TB		✓	RIN: 7.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 19
 End Analysis Time Range [s] : 69
 Ladder Concentration [ng/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.5
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

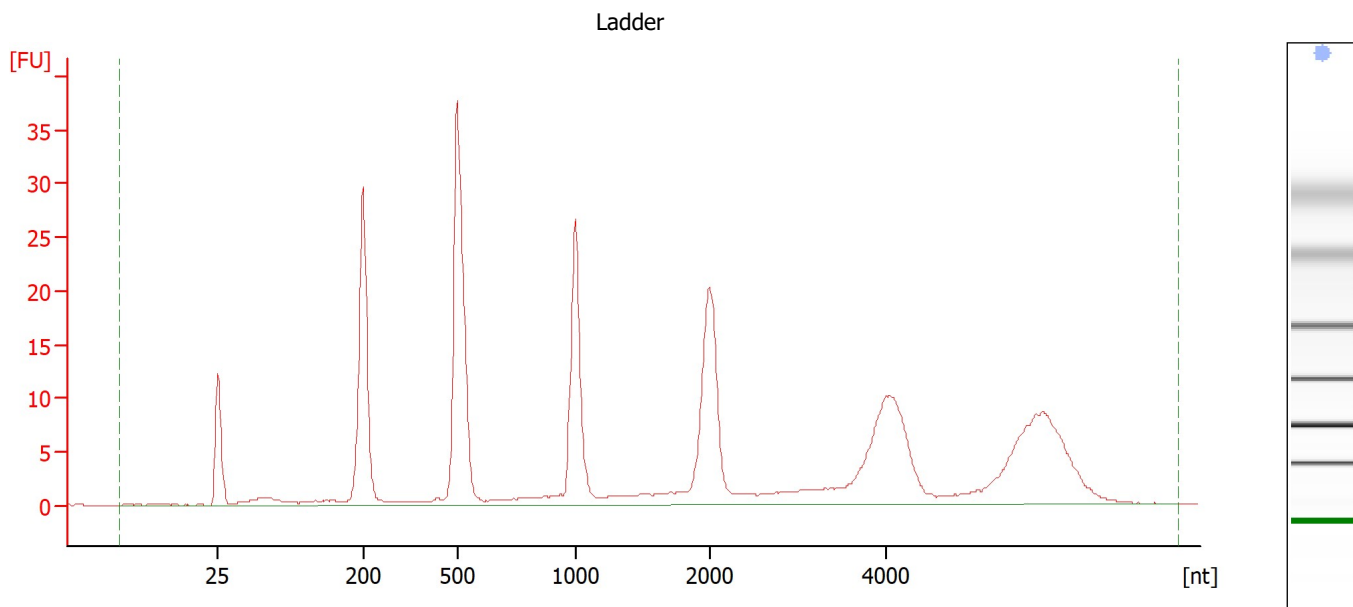
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary



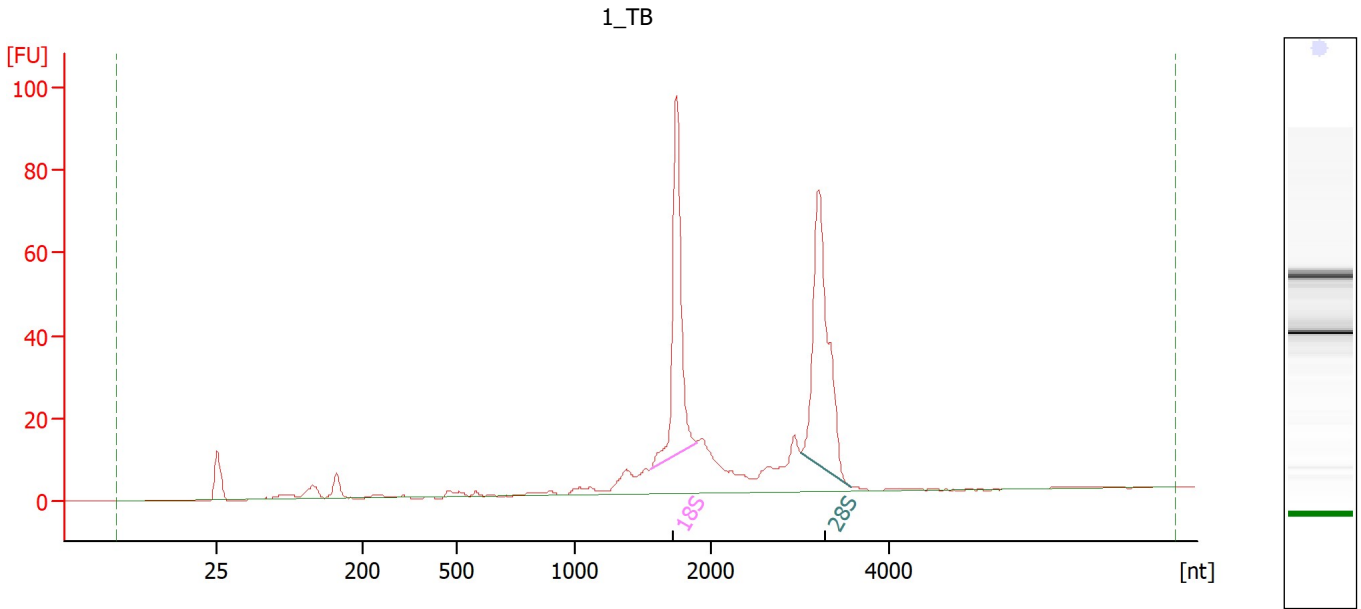
Overall Results for Ladder

RNA Area:	291.2	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1_TB

RNA Area:	376.0	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	194 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.10

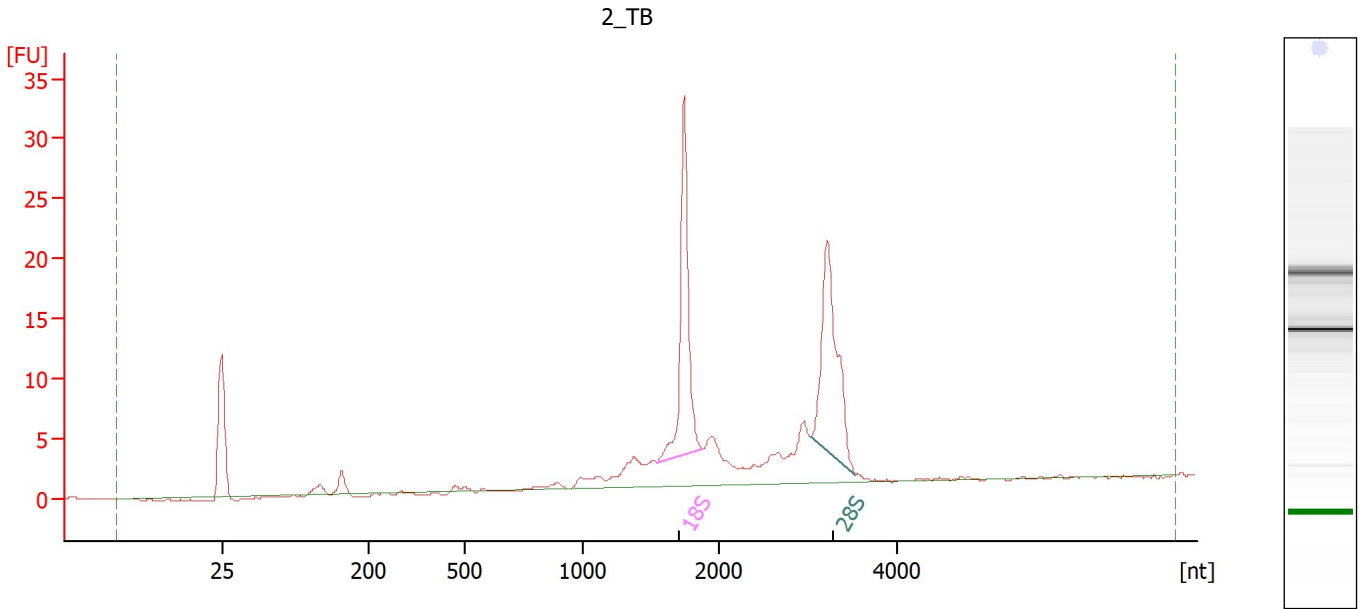
Fragment table for sample 1 : 1_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	1,890	81.9	21.8
28S	3,015	3,582	100.0	26.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2_TB

RNA Area:	121.1	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	62 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.70

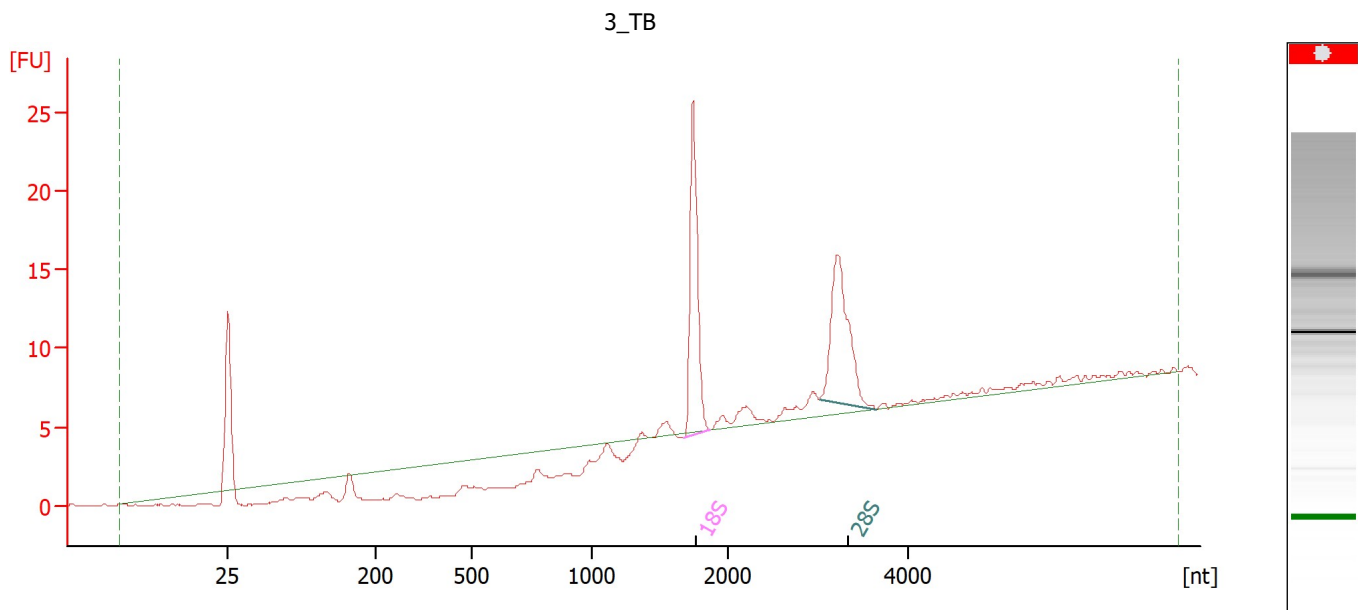
Fragment table for sample 2 : 2_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,547	1,876	28.2	23.3
28S	3,020	3,523	27.7	22.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3_TB

RNA Area:	50.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	26 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN N/A

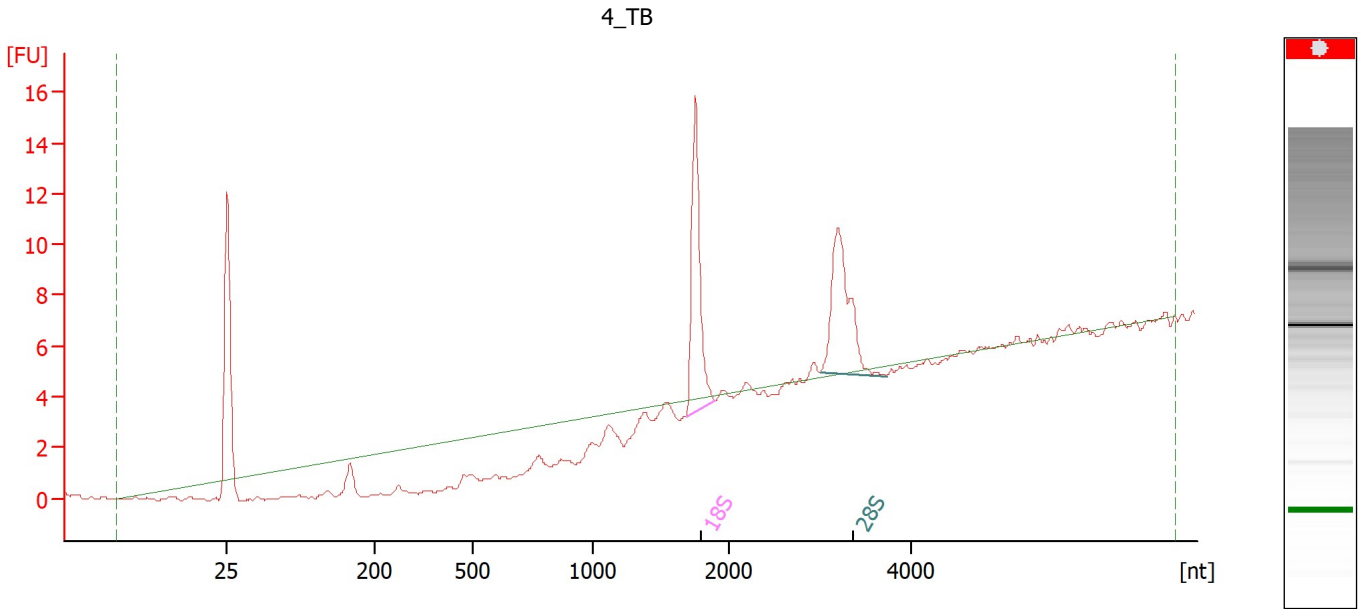
Fragment table for sample 3 : 3_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	1,862	17.9	35.3
28S	3,016	3,646	16.7	33.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4_TB

RNA Area:	22.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	11 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN N/A

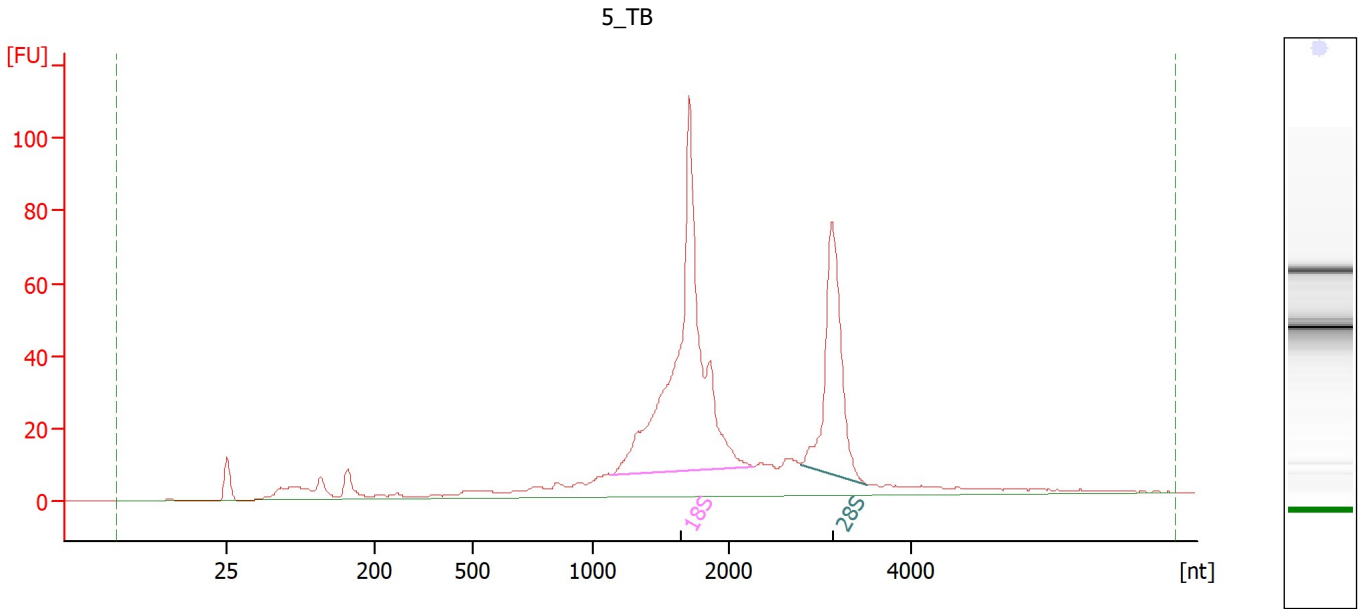
Fragment table for sample 4 : 4_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	1,895	11.3	50.6
28S	3,001	3,736	10.3	46.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5_TB

RNA Area:	702.3	RNA Integrity Number (RIN):	9.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	362 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 9.40

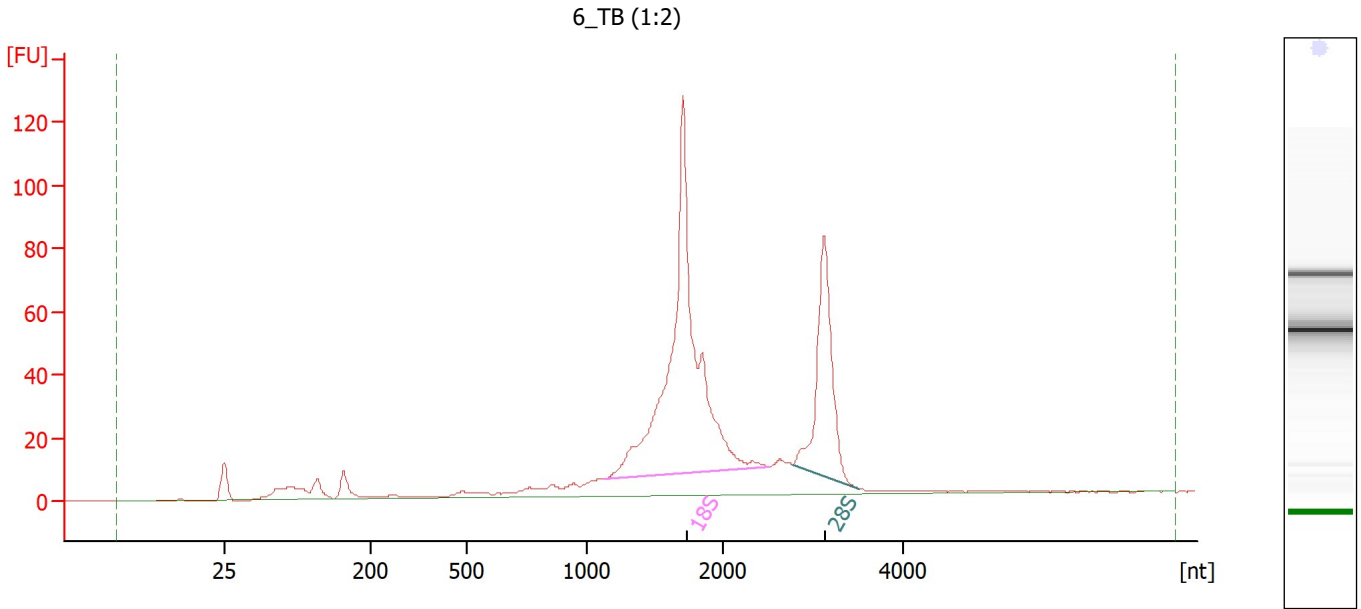
Fragment table for sample 5 : 5_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,142	2,254	281.1	40.0
28S	2,788	3,522	113.0	16.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6_TB (1:2)

RNA Area:	740.3	RNA Integrity Number (RIN):	9.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	381 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 9.60

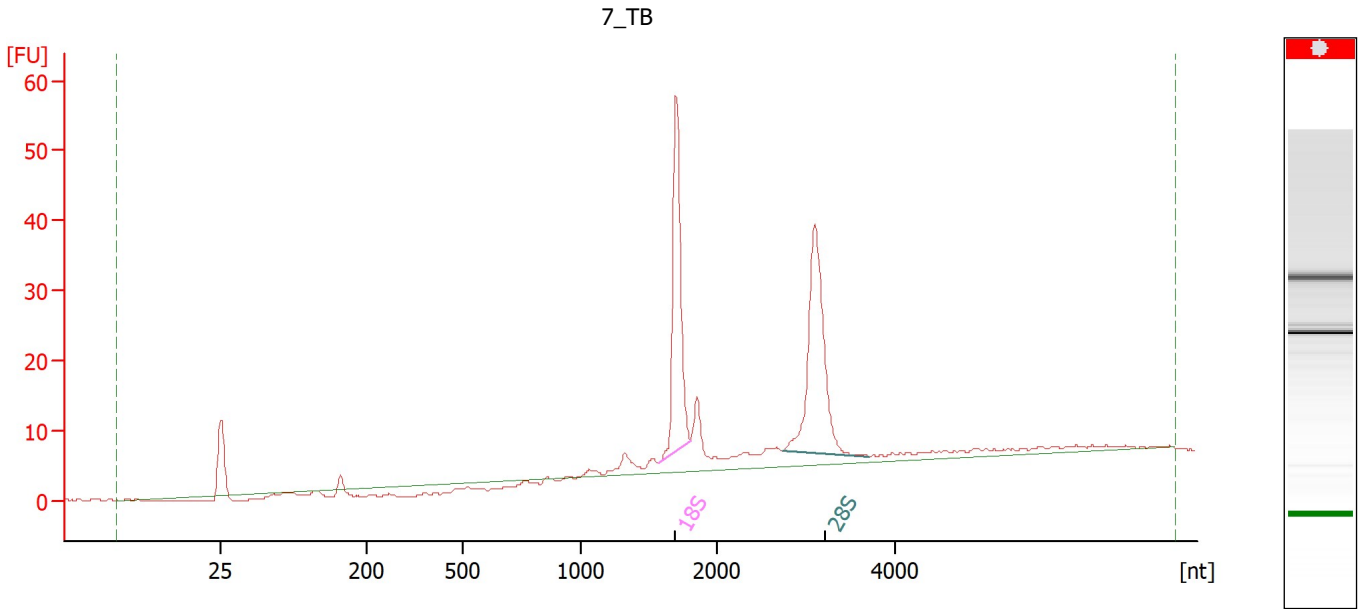
Fragment table for sample 6 : 6_TB (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,136	2,505	333.6	45.1
28S	2,767	3,518	115.4	15.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7_TB

RNA Area:	174.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	90 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN N/A

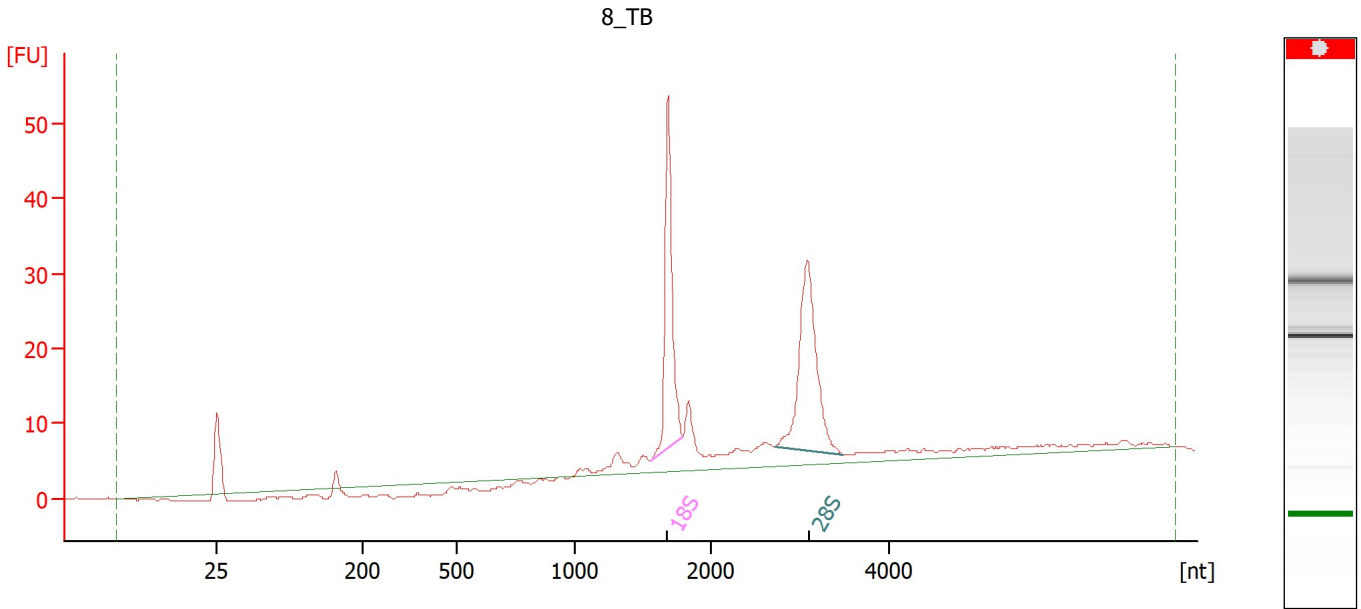
Fragment table for sample 7 : 7_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	1,805	44.8	25.6
28S	2,734	3,706	52.8	30.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8_TB

RNA Area:	166.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	86 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

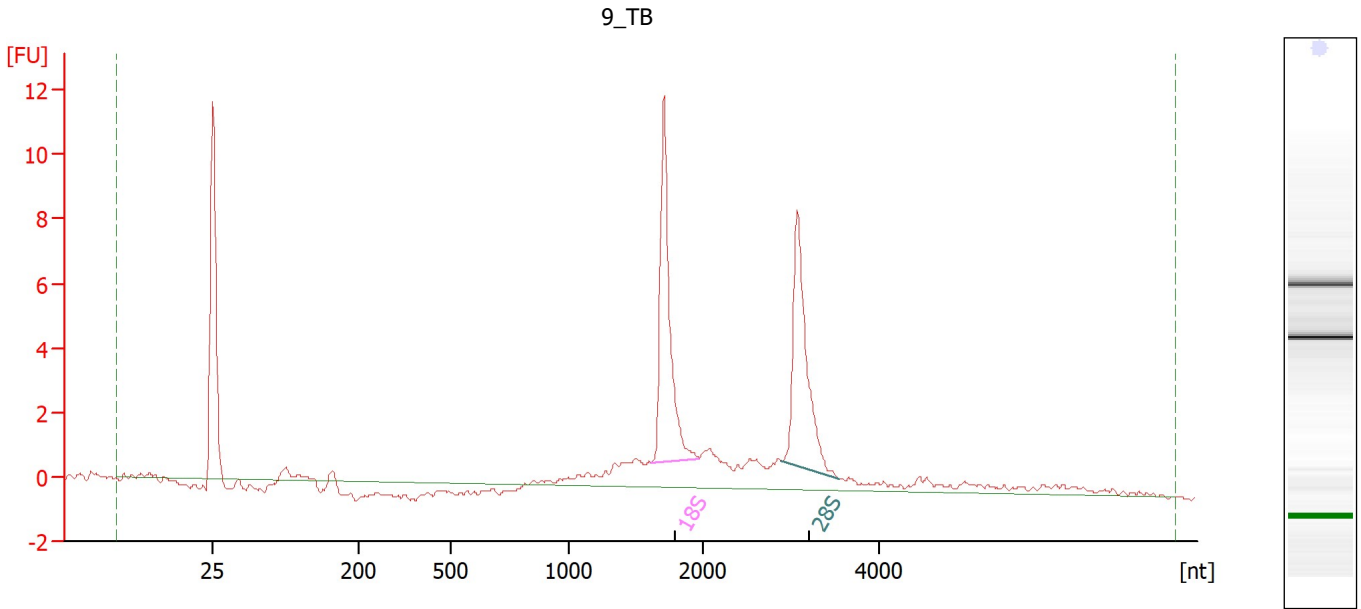
Fragment table for sample 8 : 8_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,787	40.2	24.1
28S	2,713	3,485	45.6	27.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9_TB

RNA Area:	49.9	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	26 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.90

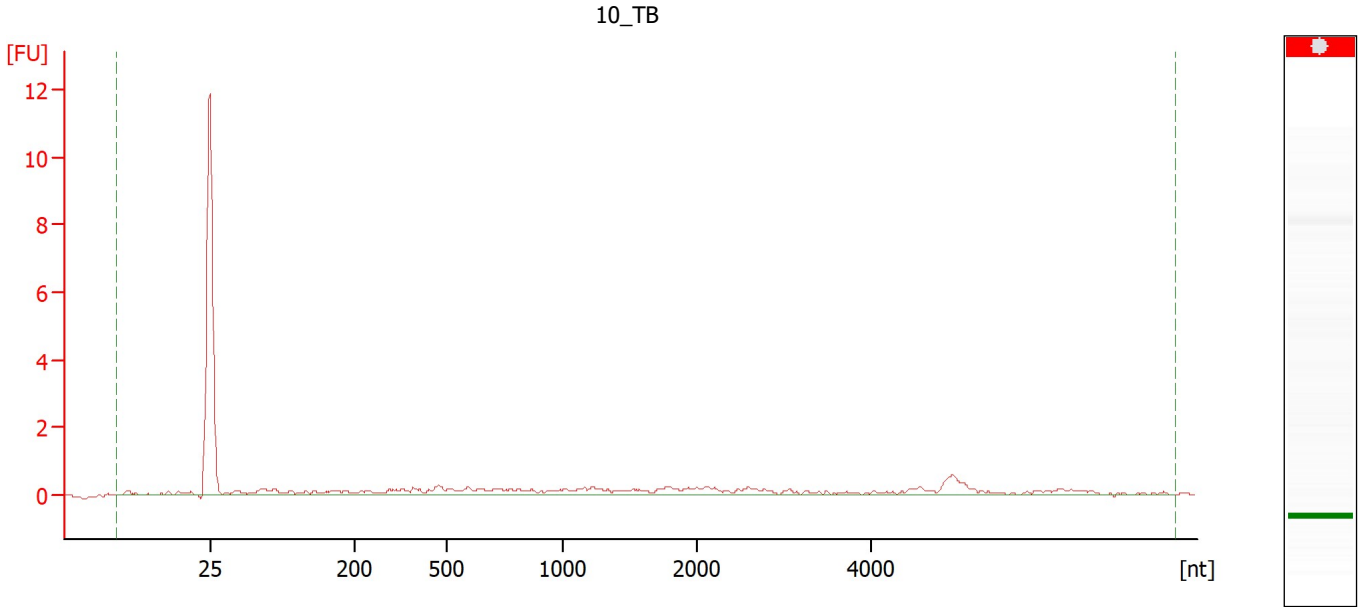
Fragment table for sample 9 : 9_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	1,975	12.3	24.8
28S	2,899	3,544	11.2	22.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



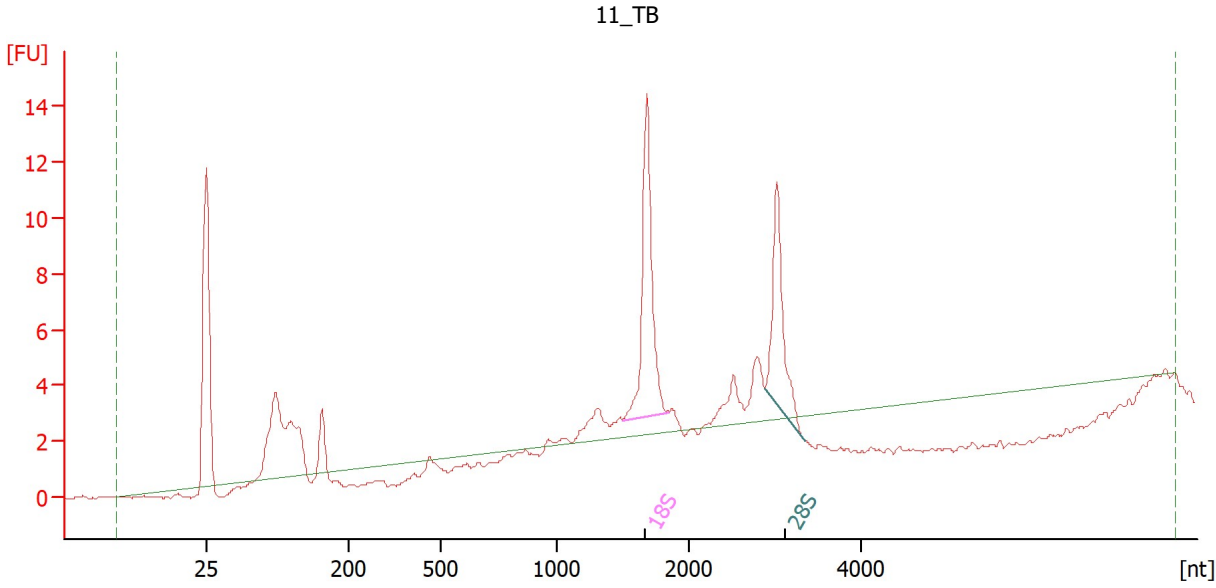
Overall Results for sample 10 : 10_TB

RNA Area:	12.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11_TB

RNA Area:	52.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	27 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

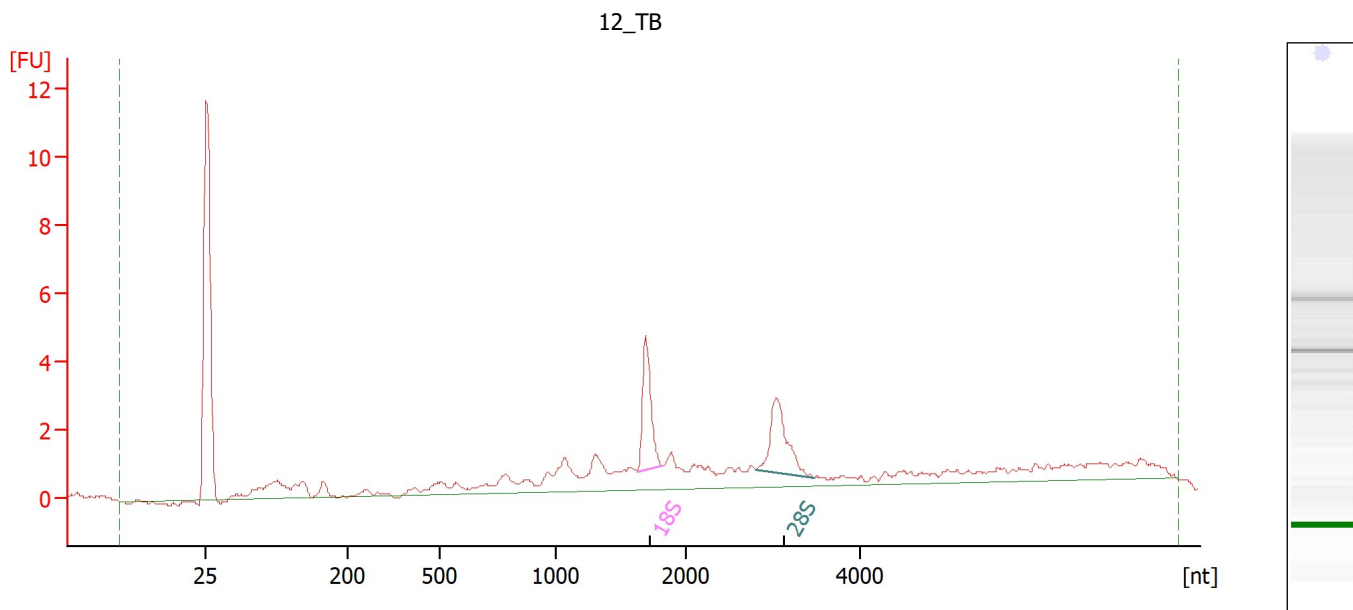
Fragment table for sample 11 : 11_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,503	1,859	12.8	24.7
28S	2,896	3,341	8.8	17.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
 Modified: 5/16/2024 2:48:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12_TB

RNA Area:	42.3	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	22 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.30

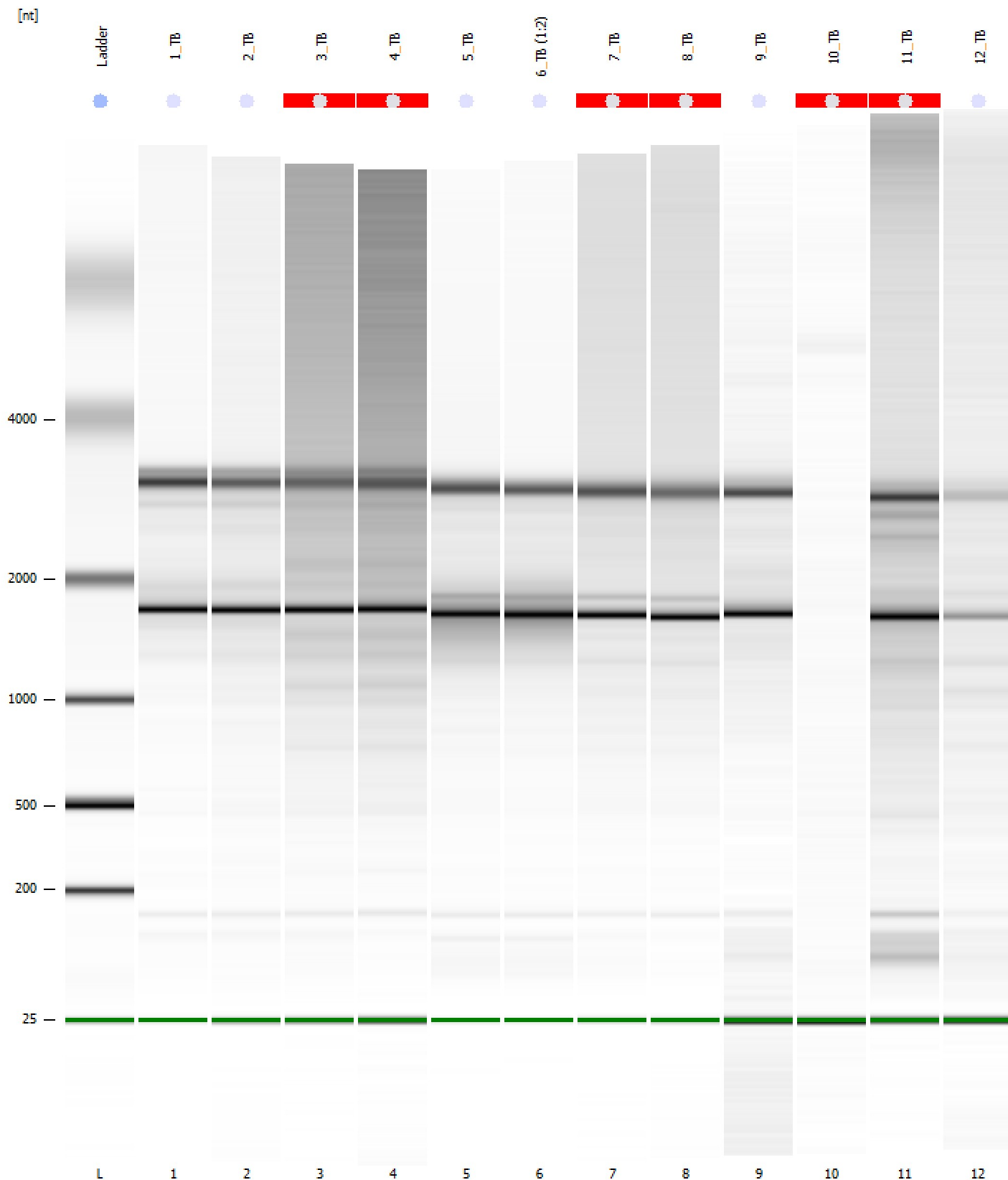
Fragment table for sample 12 : 12_TB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	1,817	3.8	9.0
28S	2,800	3,469	3.9	9.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad

Created: 5/16/2024 1:59:24 PM
Modified: 5/16/2024 2:48:50 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 5/16/2024 1:59:24 PM
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad Modified: 5/16/2024 2:48:50 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		5/16/2024 2:23:13 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\2024-05-16\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_001.xad)		Instrument	Run		5/16/2024 1:59:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/16/2024 1:59:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/16/2024 1:59:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/16/2024 1:59:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/16/2024 1:59:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/16/2024 1:59:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/16/2024 1:59:30 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB