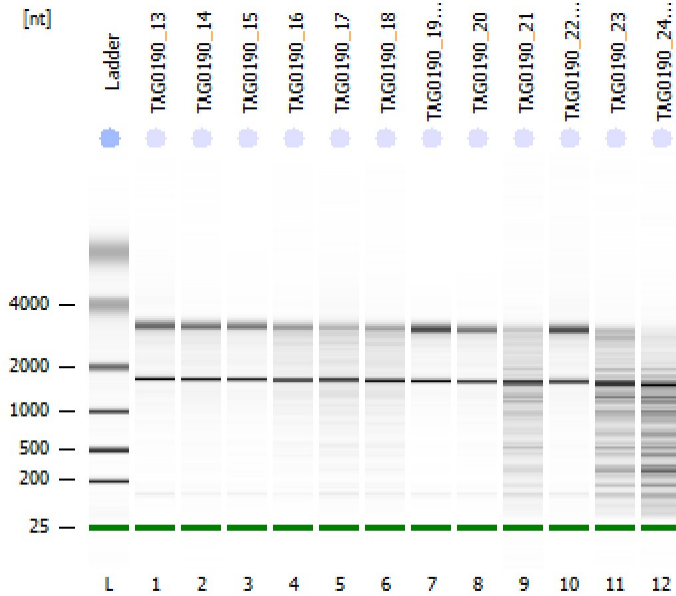


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
Modified: 1/18/2023 6:59:42 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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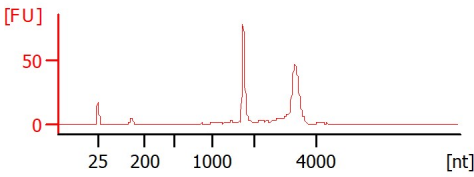
Chip Information:

Chip Lot #:

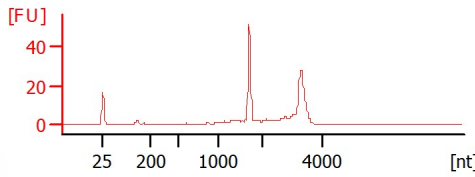
Reagent Kit Lot #:

Chip Comments:

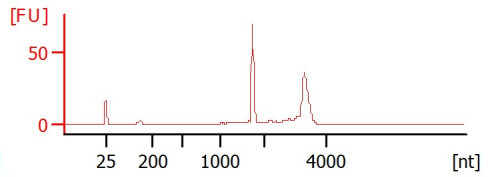
TAG0190_13
RIN: 9.40



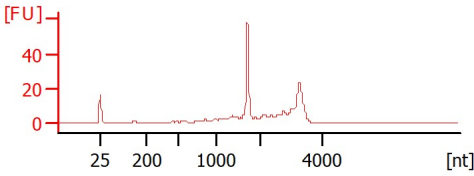
TAG0190_14
RIN: 8.90



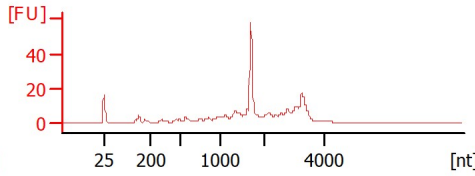
TAG0190_15
RIN: 9.20



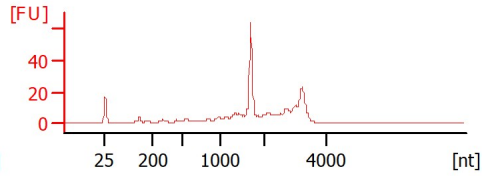
TAG0190_16
RIN: 7.90



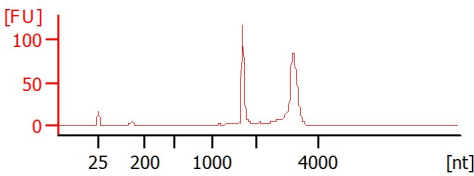
TAG0190_17
RIN: 6.80



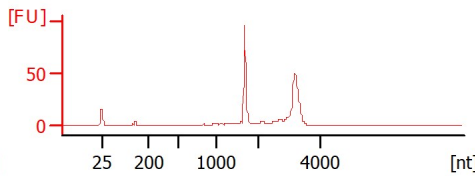
TAG0190_18
RIN: 7.30



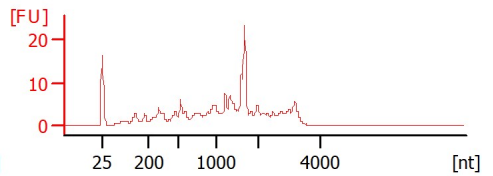
TAG0190_19 1:2
RIN: 9.80



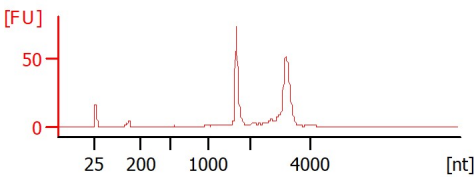
TAG0190_20
RIN: 9



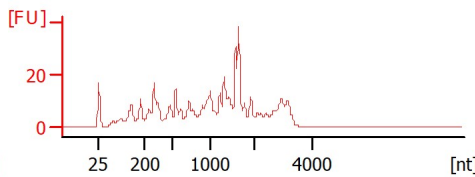
TAG0190_21
RIN: 5.80



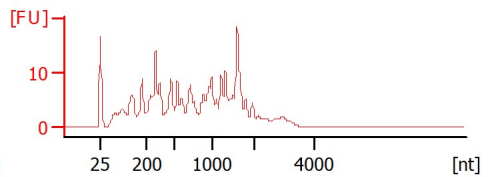
TAG0190_22 1:4
RIN: 9.60



TAG0190_23
RIN: 5.10



TAG0190_24 1:3
RIN: 5



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0190_13		✓	RIN: 9.40	
TAG0190_14		✓	RIN: 8.90	
TAG0190_15		✓	RIN: 9.20	
TAG0190_16		✓	RIN: 7.90	
TAG0190_17		✓	RIN: 6.80	
TAG0190_18		✓	RIN: 7.30	
TAG0190_19 1:2		✓	RIN: 9.80	
TAG0190_20		✓	RIN:9	
TAG0190_21		✓	RIN: 5.80	
TAG0190_22 1:4		✓	RIN: 9.60	
TAG0190_23		✓	RIN: 5.10	
TAG0190_24 1:3		✓	RIN:5	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 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

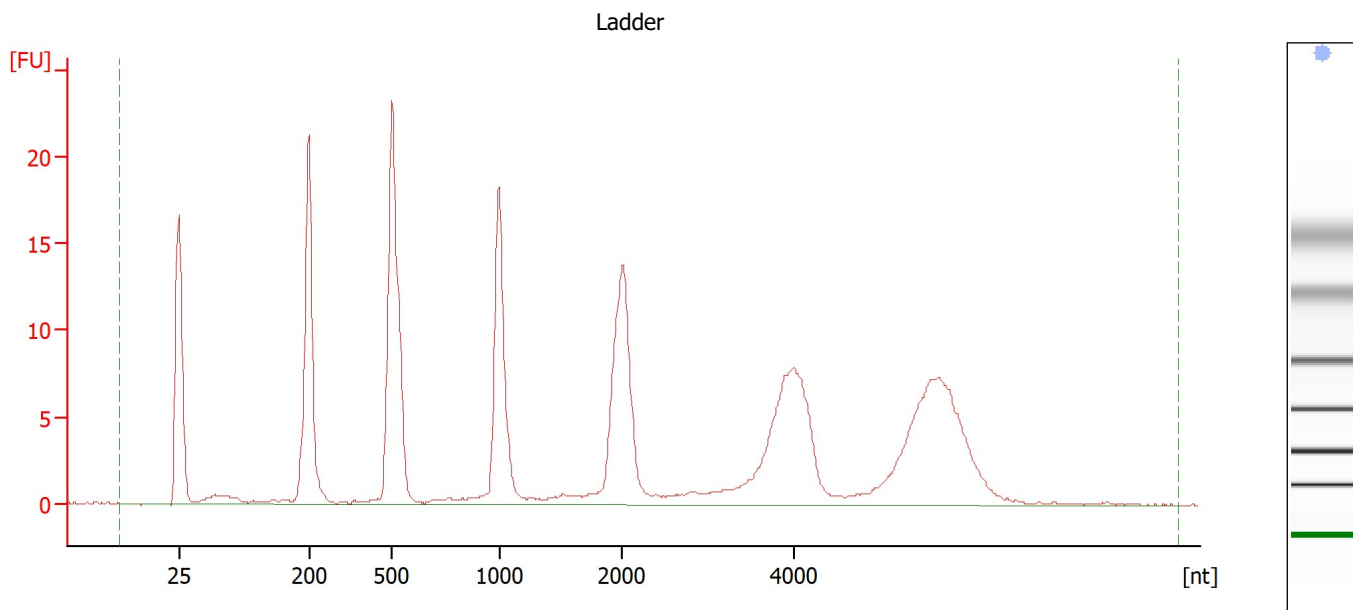
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary



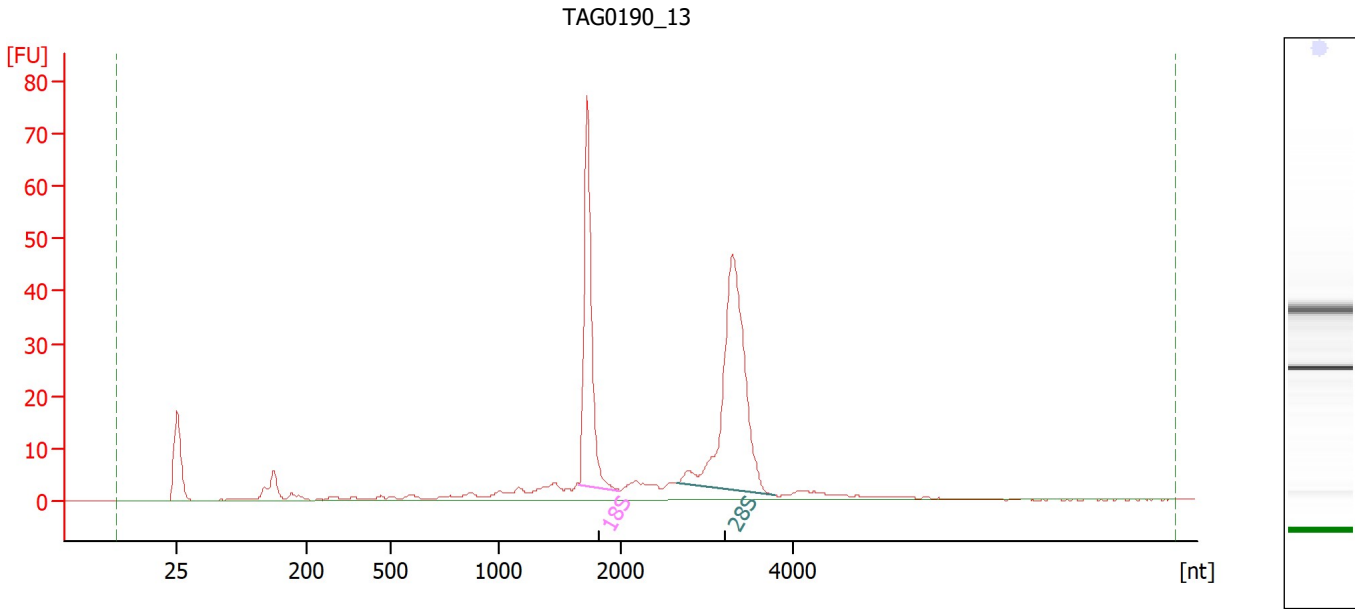
Overall Results for Ladder

RNA Area:	222.0	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : TAG0190_13

RNA Area:	294.3	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	199 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.40

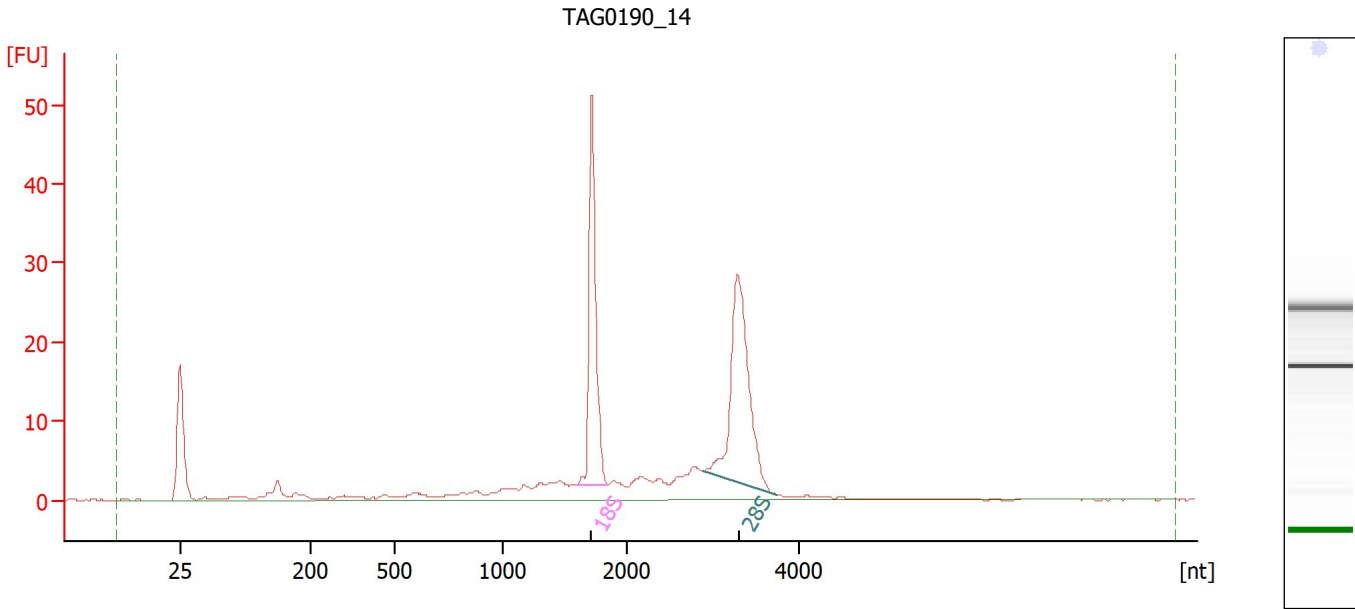
Fragment table for sample 1 : TAG0190_13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	1,983	71.5	24.3
28S	2,649	3,784	109.8	37.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TAG0190_14

RNA Area:	191.9	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	130 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.90

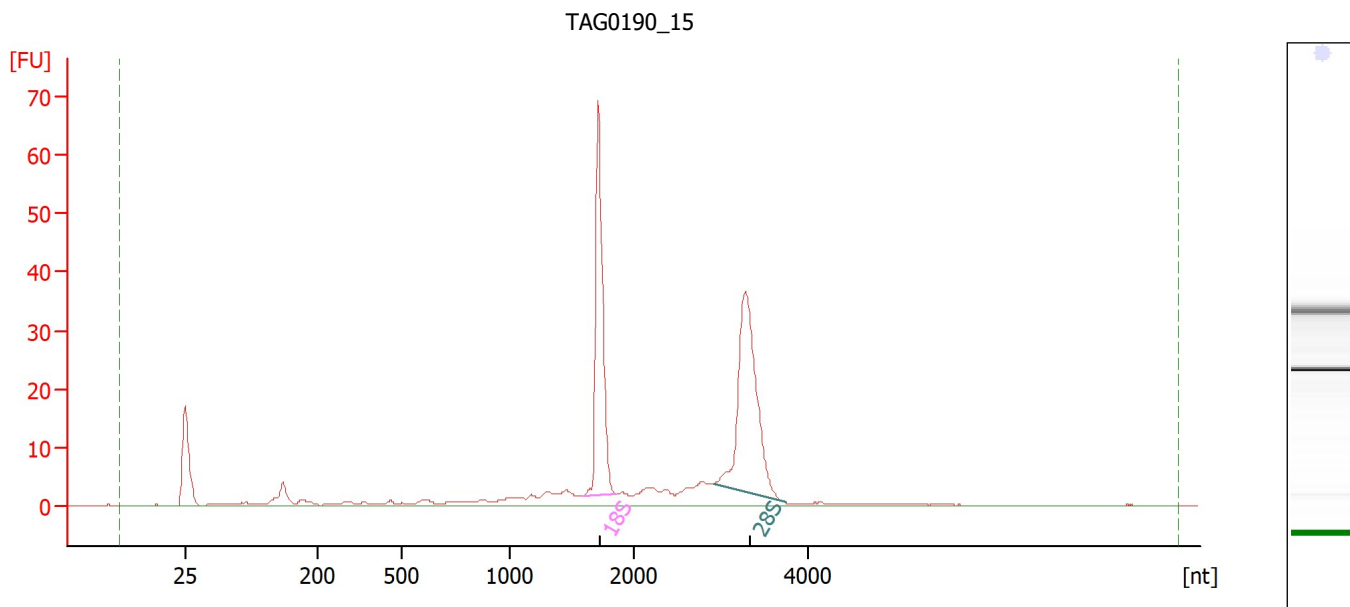
Fragment table for sample 2 : TAG0190_14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,838	44.4	23.1
28S	2,870	3,737	53.0	27.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TAG0190_15

RNA Area:	219.5	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	148 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.20

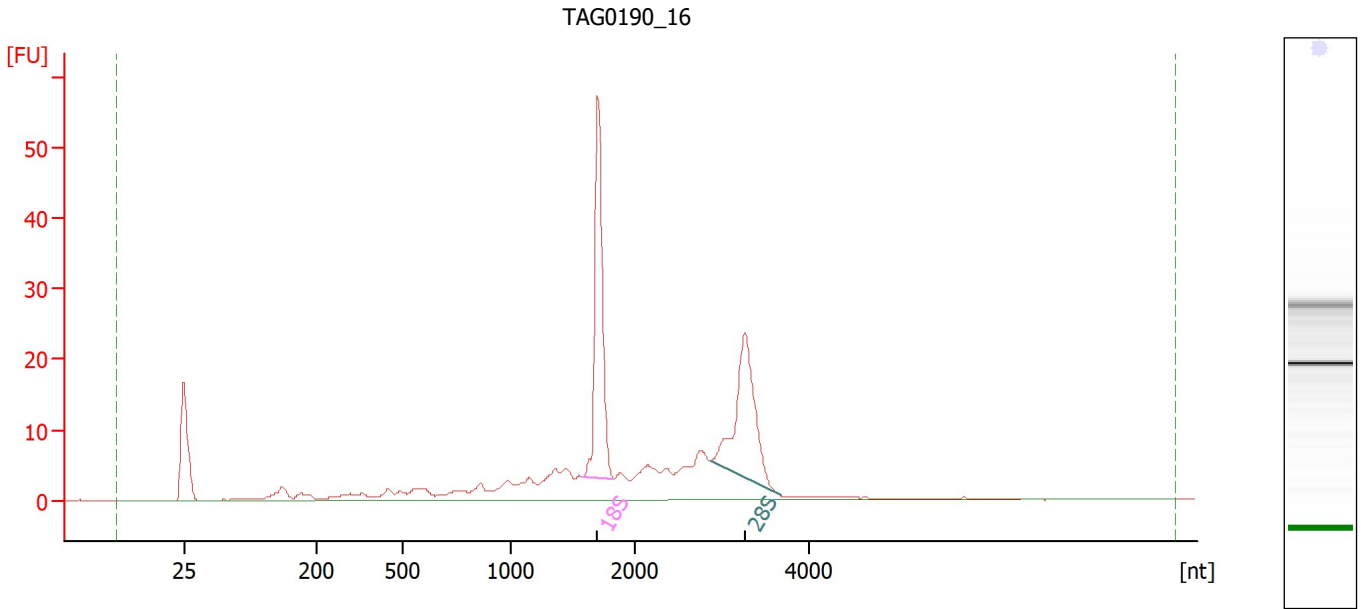
Fragment table for sample 3 : TAG0190_15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,849	59.4	27.0
28S	2,917	3,744	69.4	31.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TAG0190_16

RNA Area:	237.4	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	160 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.90

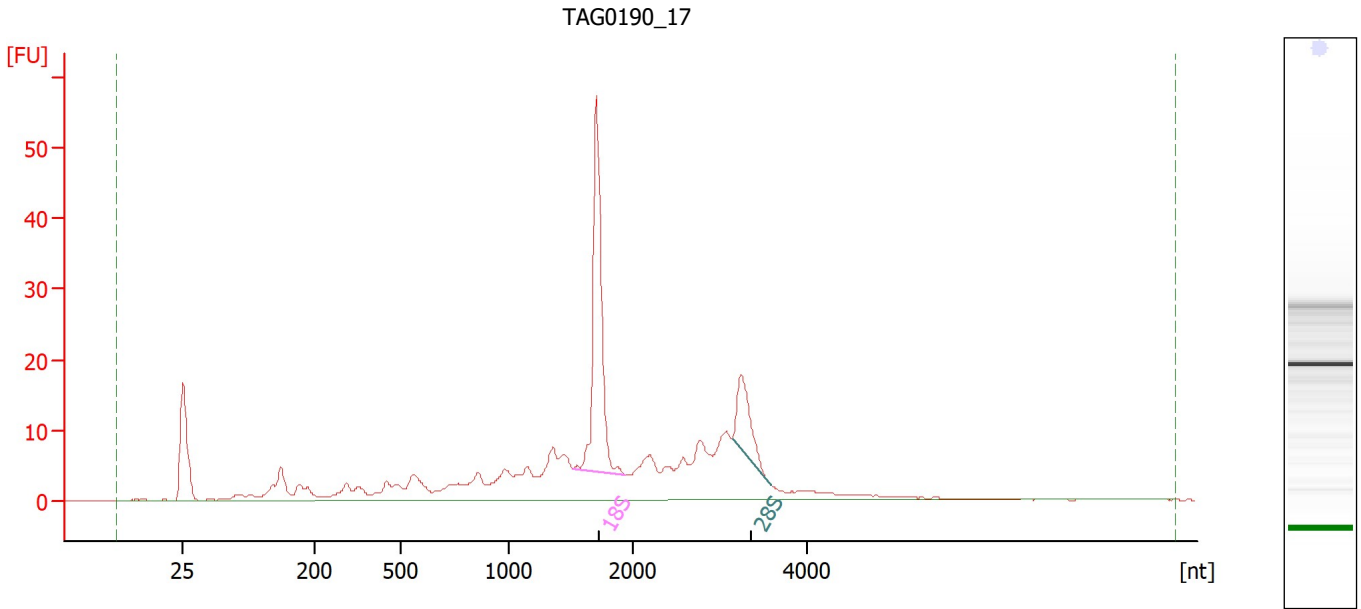
Fragment table for sample 4 : TAG0190_16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,825	50.0	21.0
28S	2,866	3,664	43.7	18.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0190_17

RNA Area:	294.3	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	199 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.80

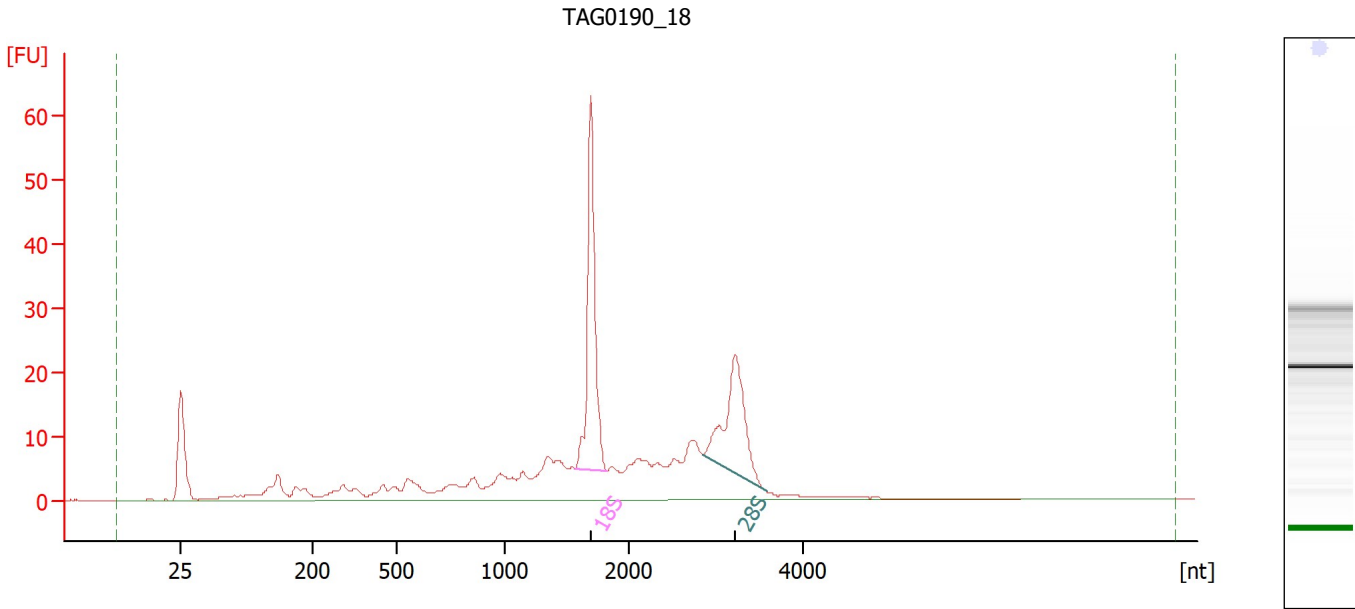
Fragment table for sample 5 : TAG0190_17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,935	54.9	18.7
28S	3,137	3,581	15.7	5.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG0190_18

RNA Area:	311.8	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	211 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.30

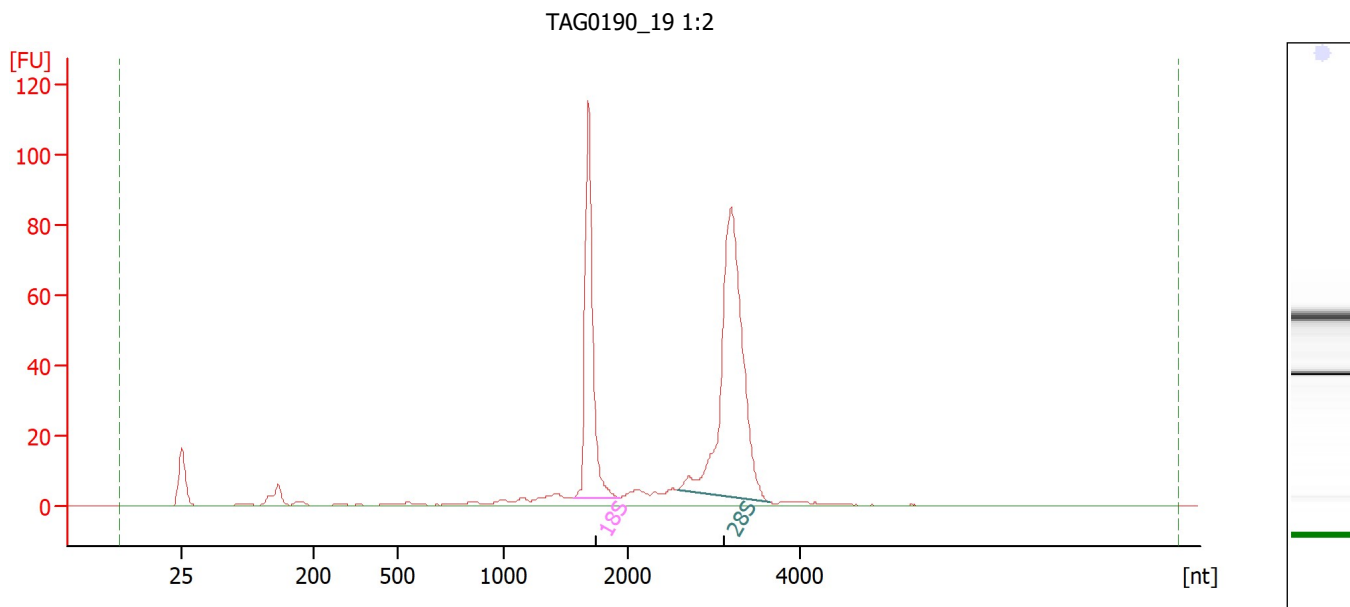
Fragment table for sample 6 : TAG0190_18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,564	1,822	57.4	18.4
28S	2,857	3,586	40.2	12.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG0190 19 1:2

RNA Area:	424.2	RNA Integrity Number (RIN):	9.8 (B.02.10)
RNA Concentration:	287 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.80

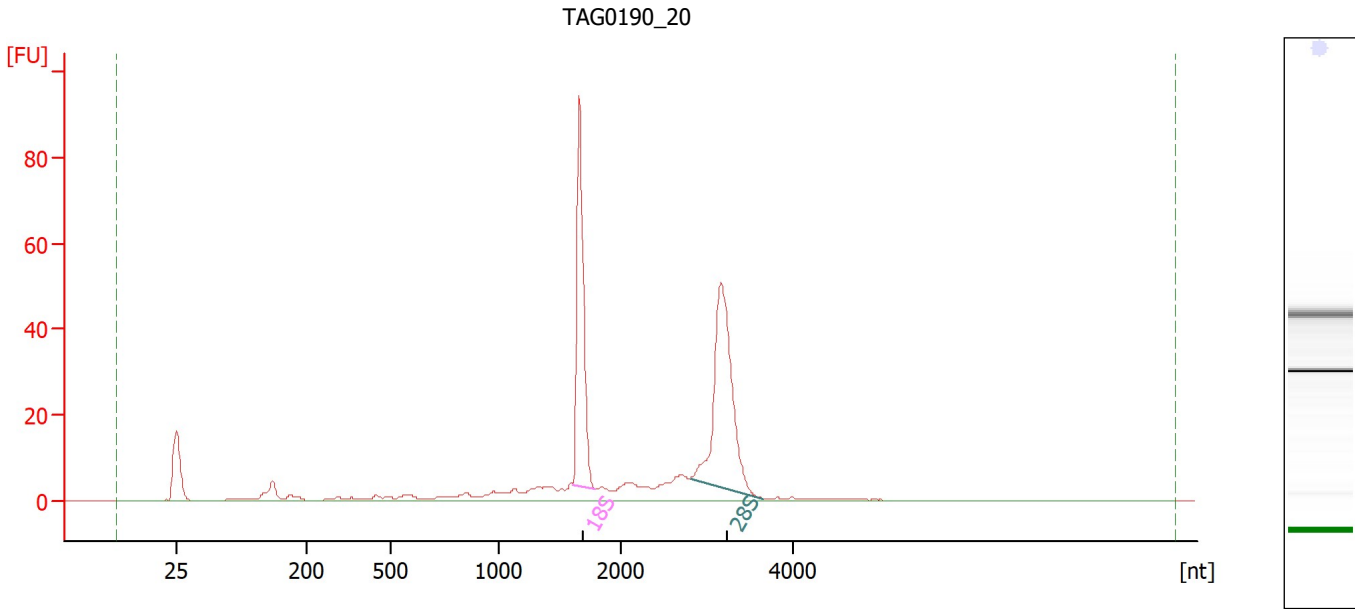
Fragment table for sample 7 : TAG0190 19 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,924	108.6	25.6
28S	2,573	3,653	199.1	46.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TAG0190_20

RNA Area:	305.4	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	206 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:9

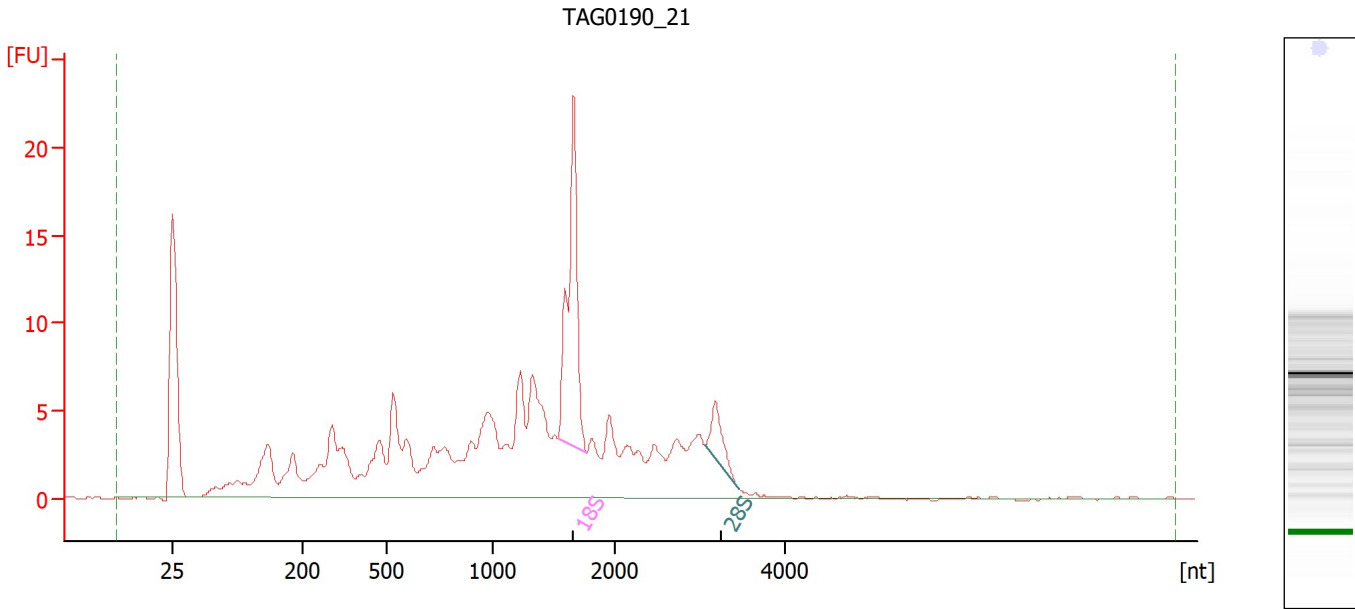
Fragment table for sample 8 : TAG0190_20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	1,792	76.2	25.0
28S	2,811	3,647	96.4	31.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG0190_21

RNA Area:	204.8	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	138 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.80

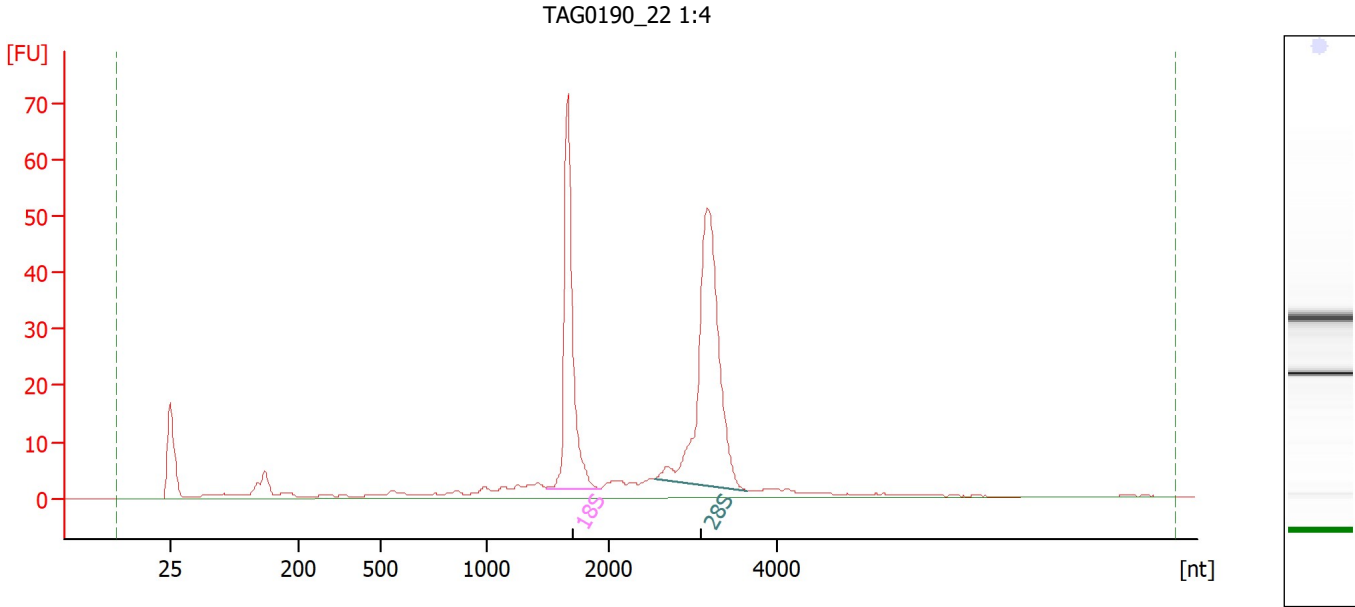
Fragment table for sample 9 : TAG0190_21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,762	24.5	12.0
28S	3,053	3,454	4.3	2.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : TAG0190_22 1:4

RNA Area: 296.4 RNA Integrity Number (RIN): 9.6 (B.02.10)
RNA Concentration: 200 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.60

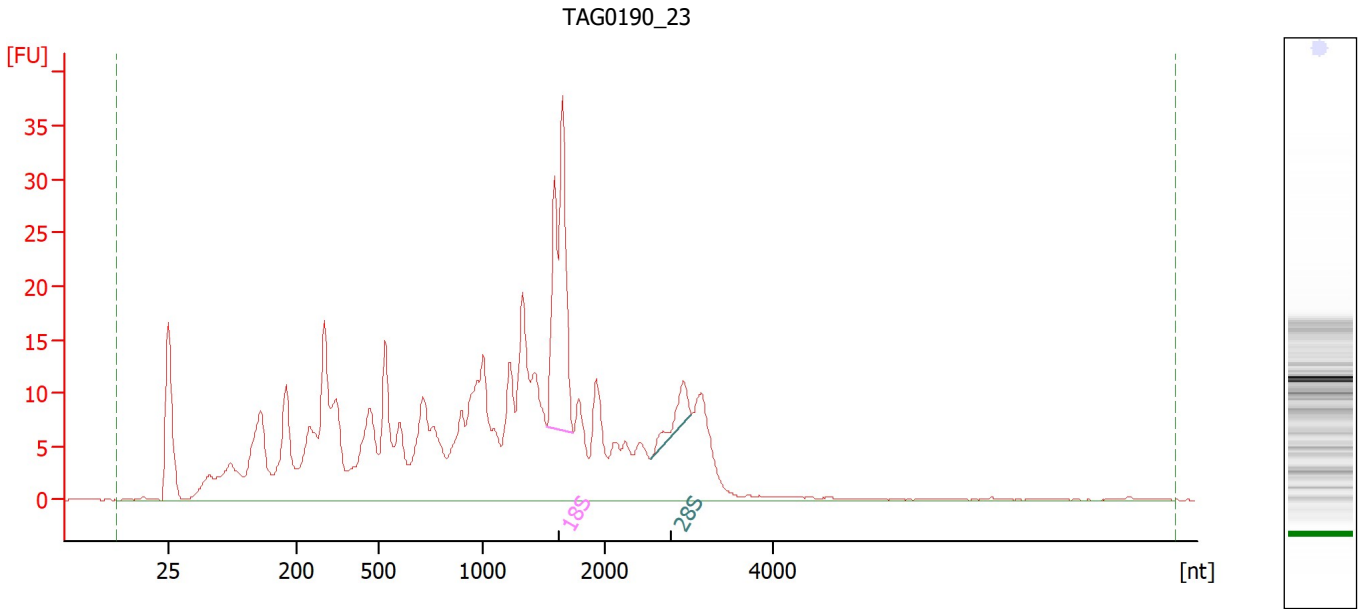
Fragment table for sample 10 : TAG0190_22 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,926	73.0	24.6
28S	2,551	3,639	116.2	39.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0190_23

RNA Area:	501.8	RNA Integrity Number (RIN):	5.1 (B.02.10)
RNA Concentration:	339 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.10

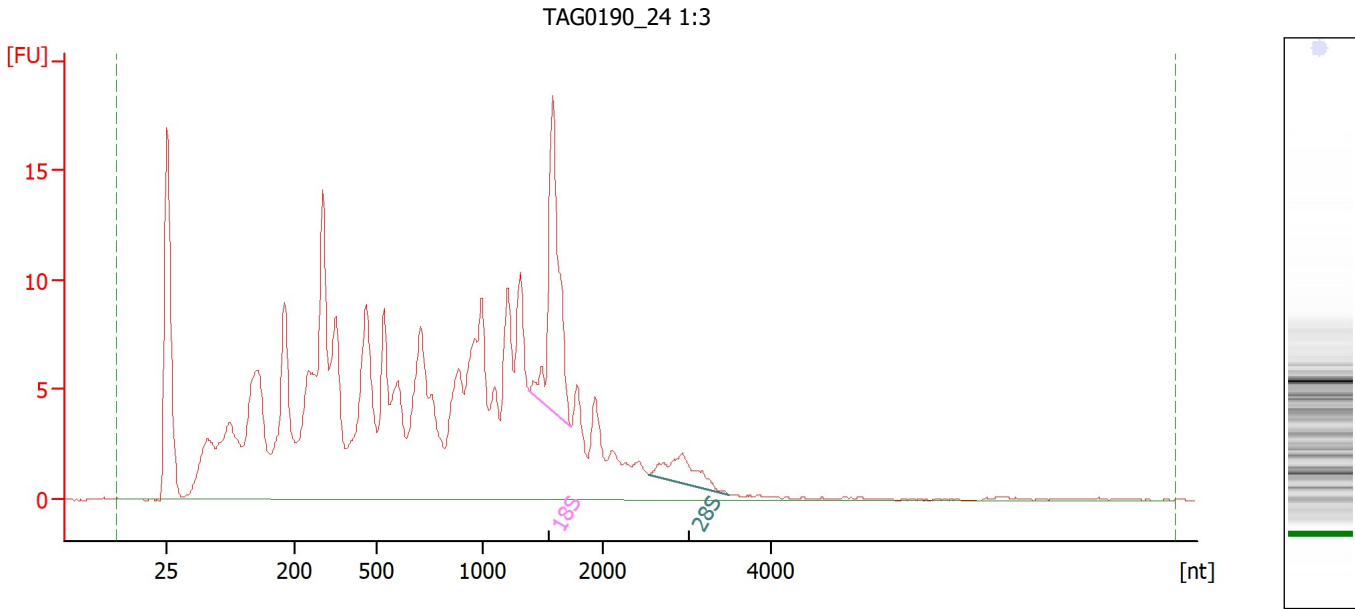
Fragment table for sample 11 : TAG0190_23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,527	1,739	45.0	9.0
28S	2,552	3,035	6.2	1.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
 Modified: 1/18/2023 6:59:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : TAG0190_24 1:3

RNA Area:	319.0	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	216 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN:5

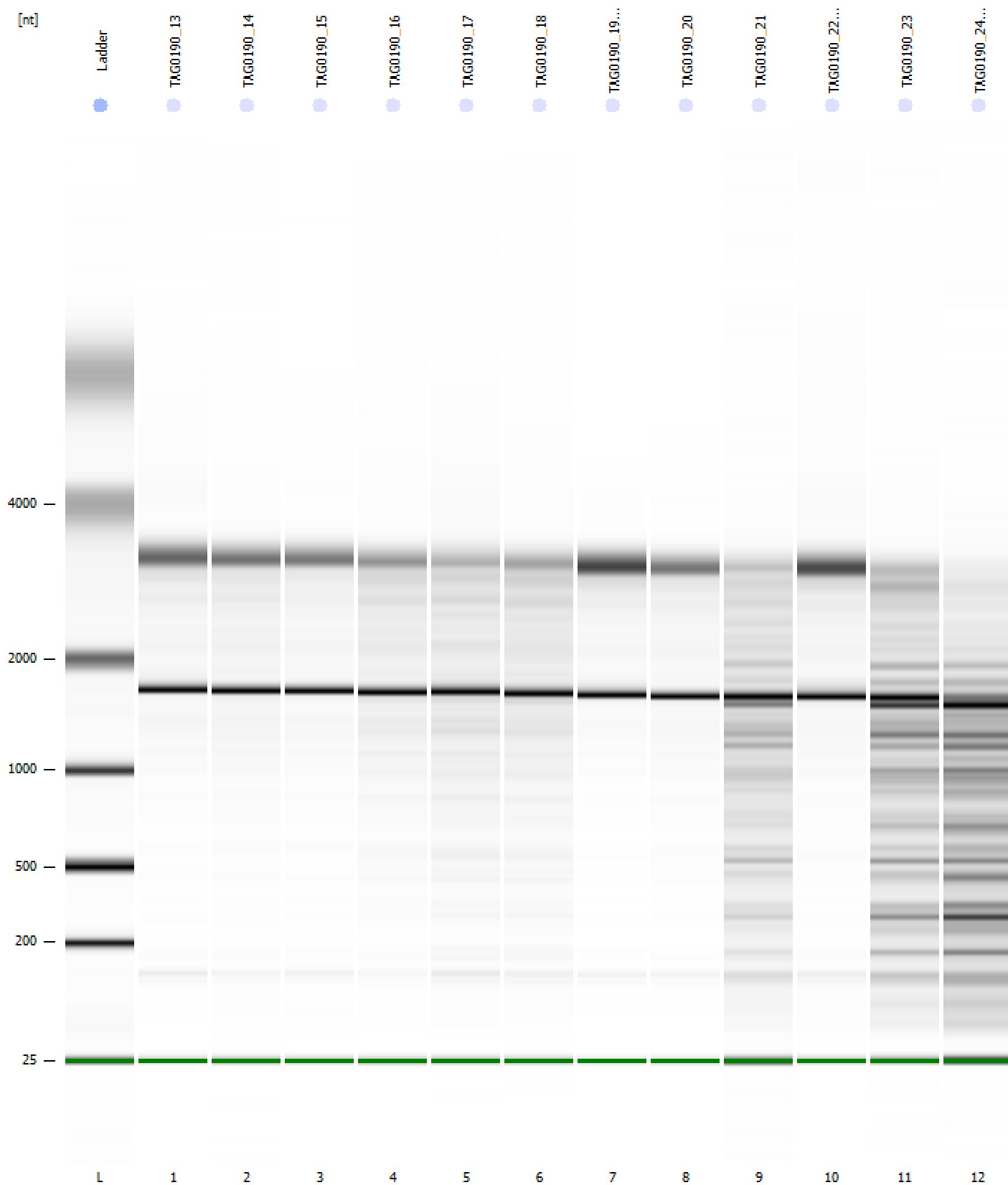
Fragment table for sample 12 : TAG0190_24 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,393	1,738	19.8	6.2
28S	2,553	3,507	4.8	1.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad

Created: 1/18/2023 6:35:52 PM
Modified: 1/18/2023 6:59:42 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 1/18/2023 6:35:52 PM
 Data Path: C:\...18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad Modified: 1/18/2023 6:59:42 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		1/18/2023 6:59:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-01-18\Bioanalyzer1_Eukaryote Total RNA Nano_2023-01-18_001.xad)		Instrument	Run		1/18/2023 6:35:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/18/2023 6:35:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/18/2023 6:35:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/18/2023 6:35:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/18/2023 6:35:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/18/2023 6:35:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/18/2023 6:35:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB