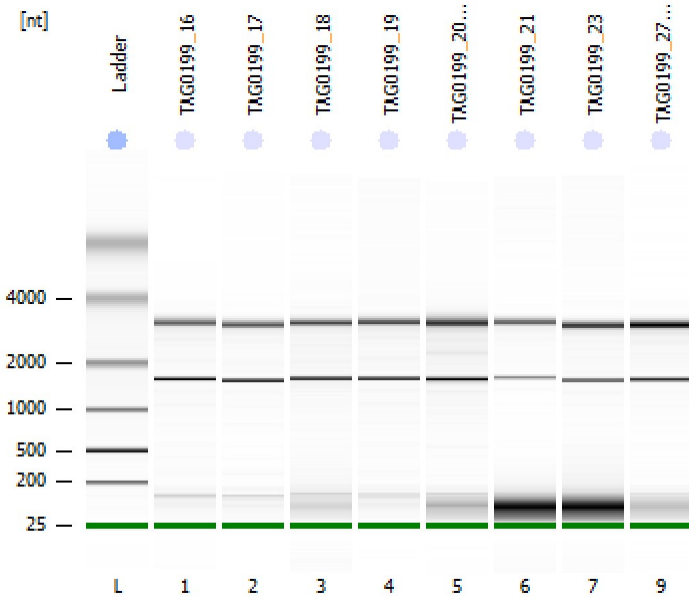


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electrophoresis File Run Summary



Instrument Information:

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

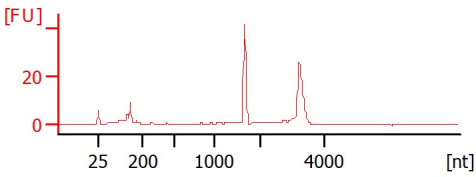
Assay Information:

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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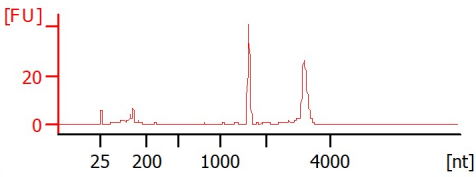
Chip Information:

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

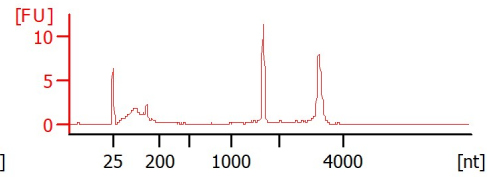
TAG0199_16
 RIN: 9.10



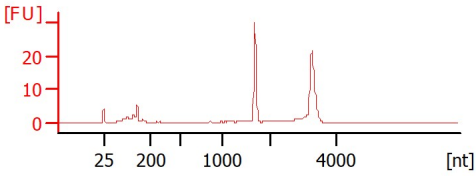
TAG0199_17
 RIN: 9.40



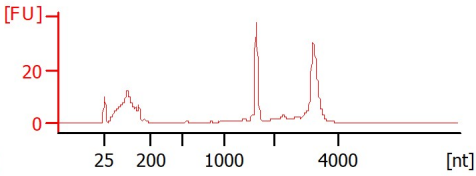
TAG0199_18
 RIN: 8.90



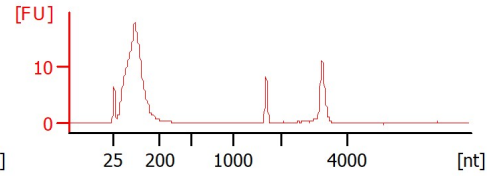
TAG0199_19
 RIN: 9.20



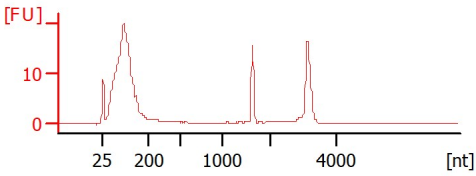
TAG0199_20 1:2
 RIN: 9.10



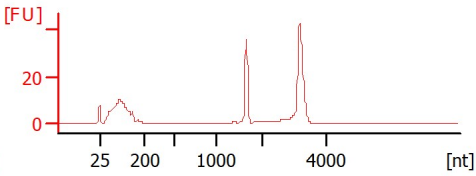
TAG0199_21
 RIN: 6.20



TAG0199_23
 RIN: 7.90



TAG0199_27 1:2
 RIN: 9.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0199_16		✓	RIN: 9.10	
TAG0199_17		✓	RIN: 9.40	
TAG0199_18		✓	RIN: 8.90	
TAG0199_19		✓	RIN: 9.20	
TAG0199_20 1:2		✓	RIN: 9.10	
TAG0199_21		✓	RIN: 6.20	
TAG0199_23		✓	RIN: 7.90	
TAG0199_27 1:2		✓	RIN: 9.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
Modified: 2/21/2023 7:23:34 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

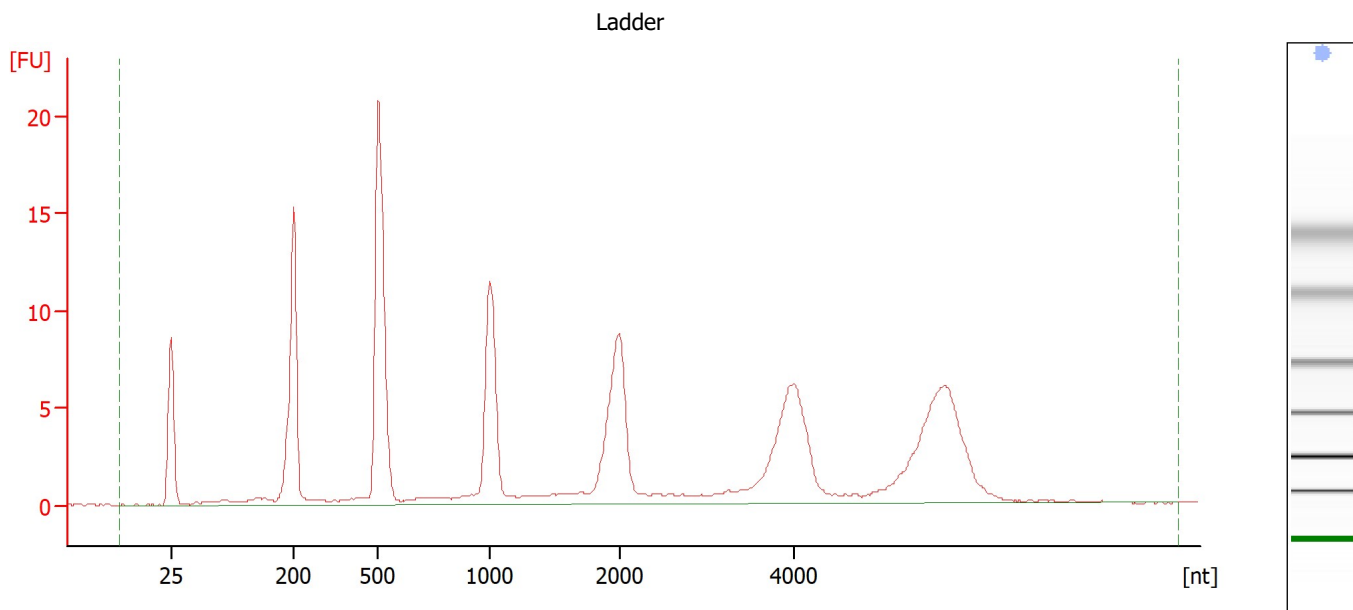
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary



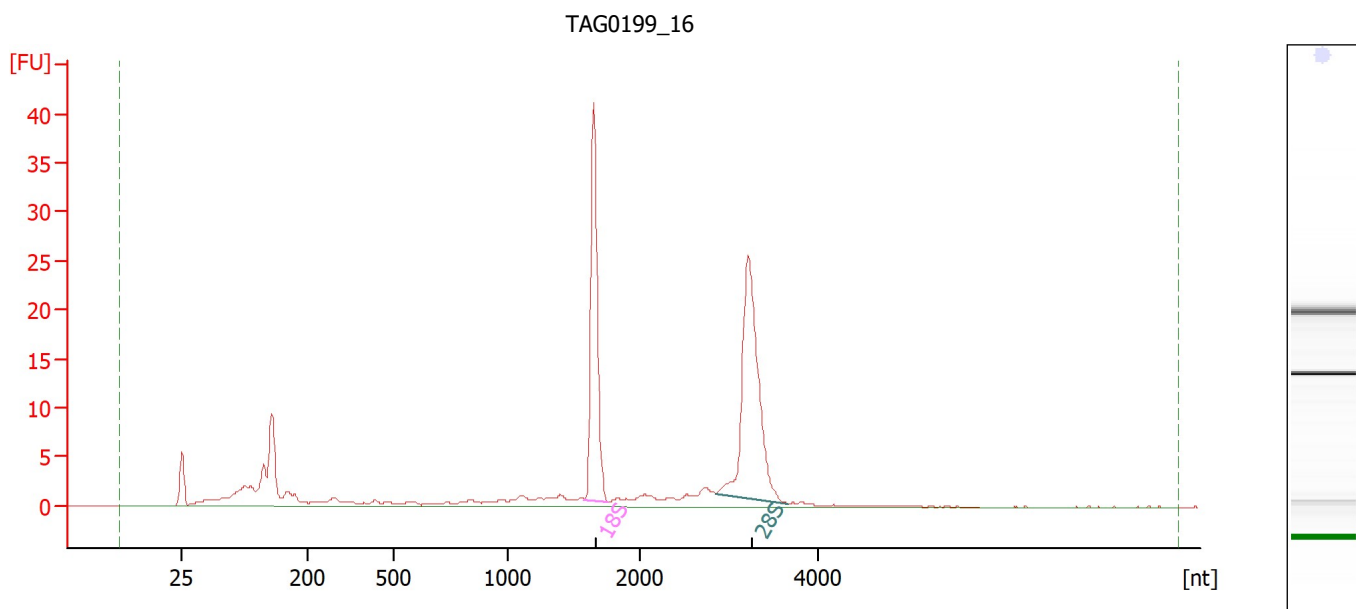
Overall Results for Ladder

RNA Area:	158.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : TAG0199_16

RNA Area:	150.8	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	950 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.10

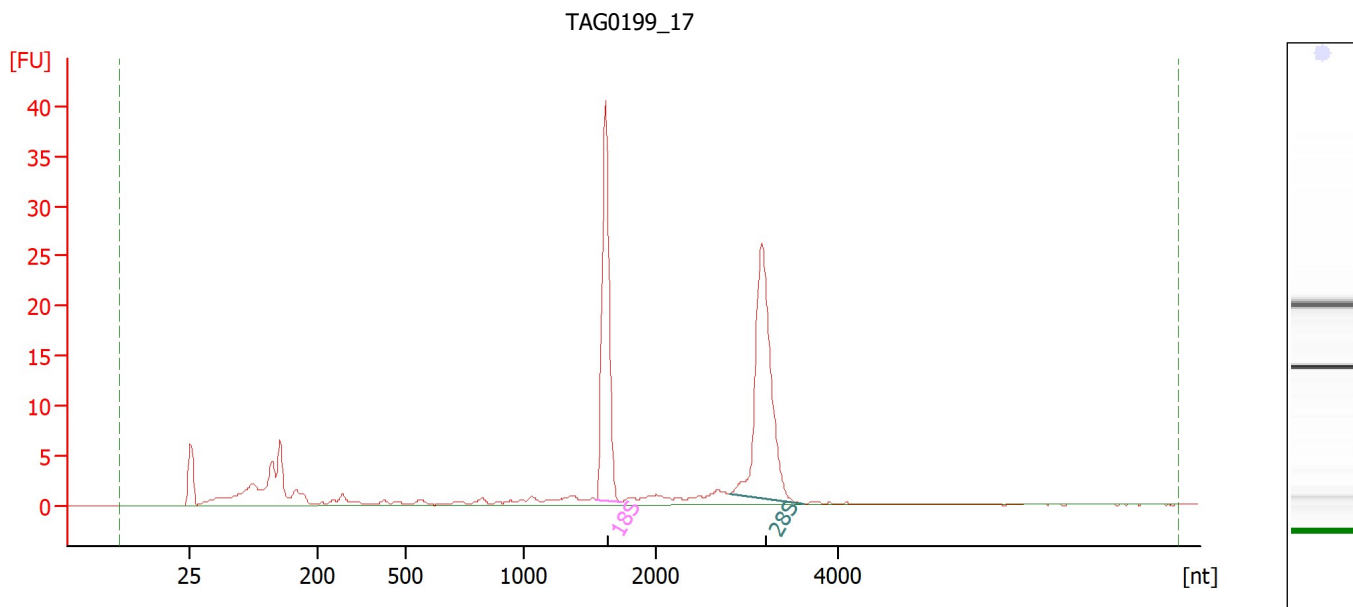
Fragment table for sample 1 : TAG0199_16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	1,759	36.3	24.1
28S	2,856	3,660	43.2	28.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TAG0199_17

RNA Area:	140.4	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	884 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 9.40

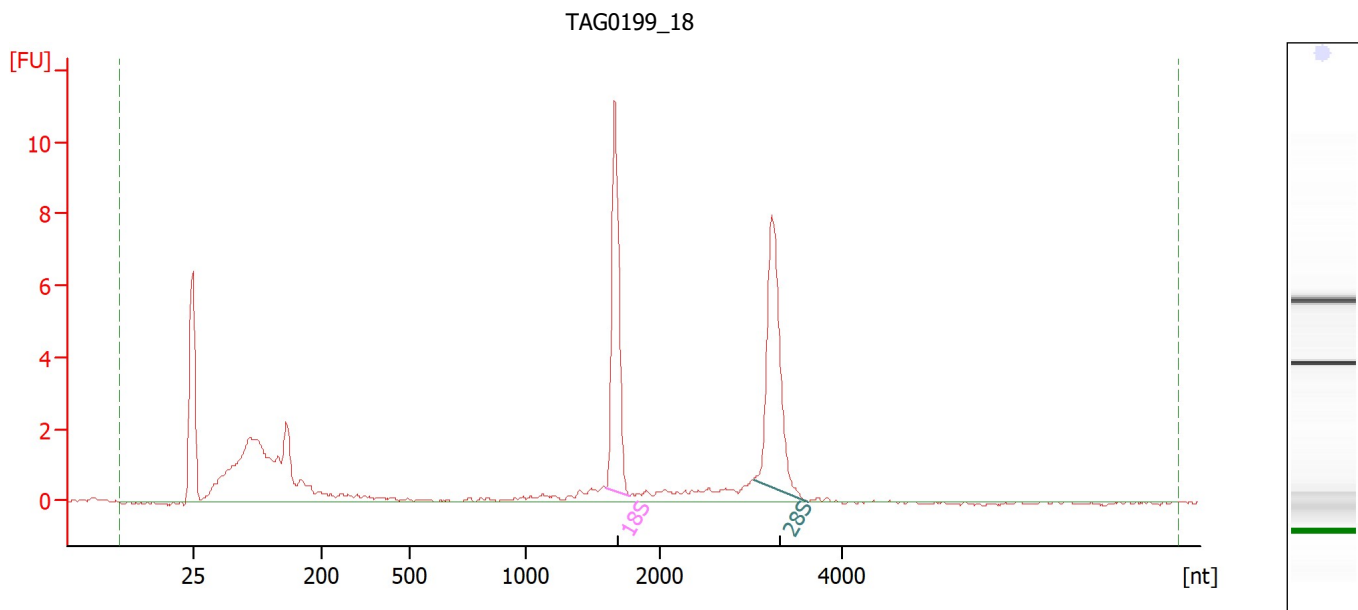
Fragment table for sample 2 : TAG0199_17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,734	36.1	25.7
28S	2,798	3,623	43.1	30.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TAG0199_18

RNA Area:	50.7	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	319 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.90

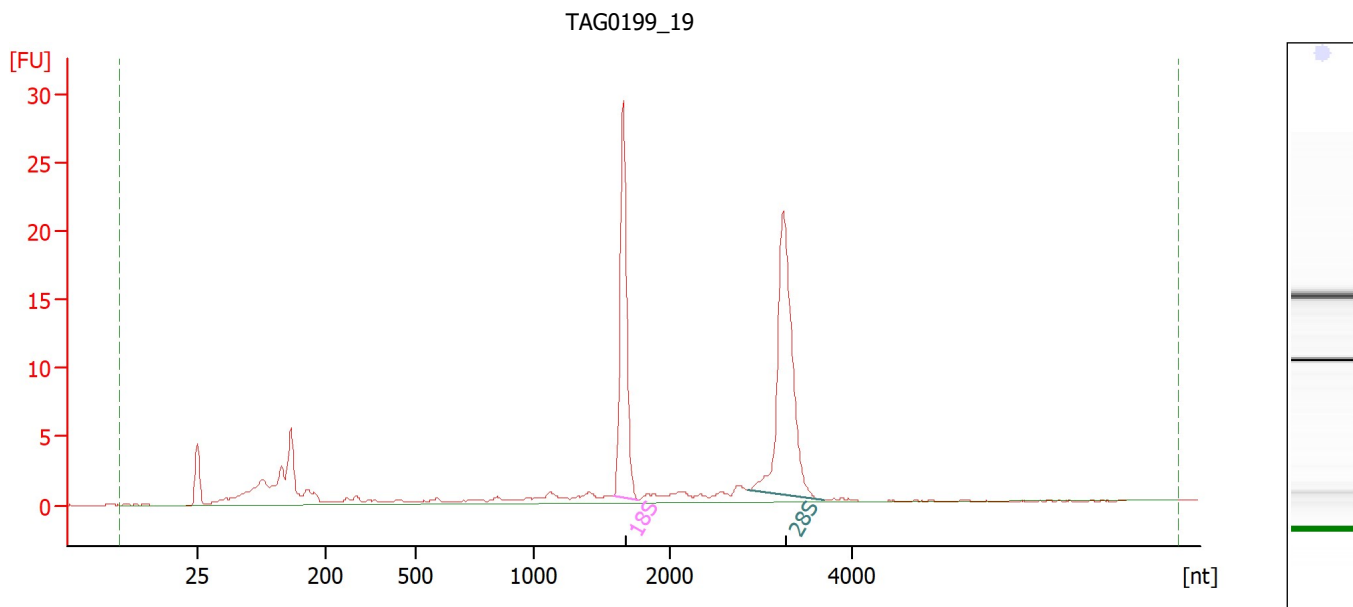
Fragment table for sample 3 : TAG0199_18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,584	1,767	9.6	19.0
28S	3,019	3,606	10.4	20.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TAG0199_19

RNA Area:	104.9	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	661 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.20

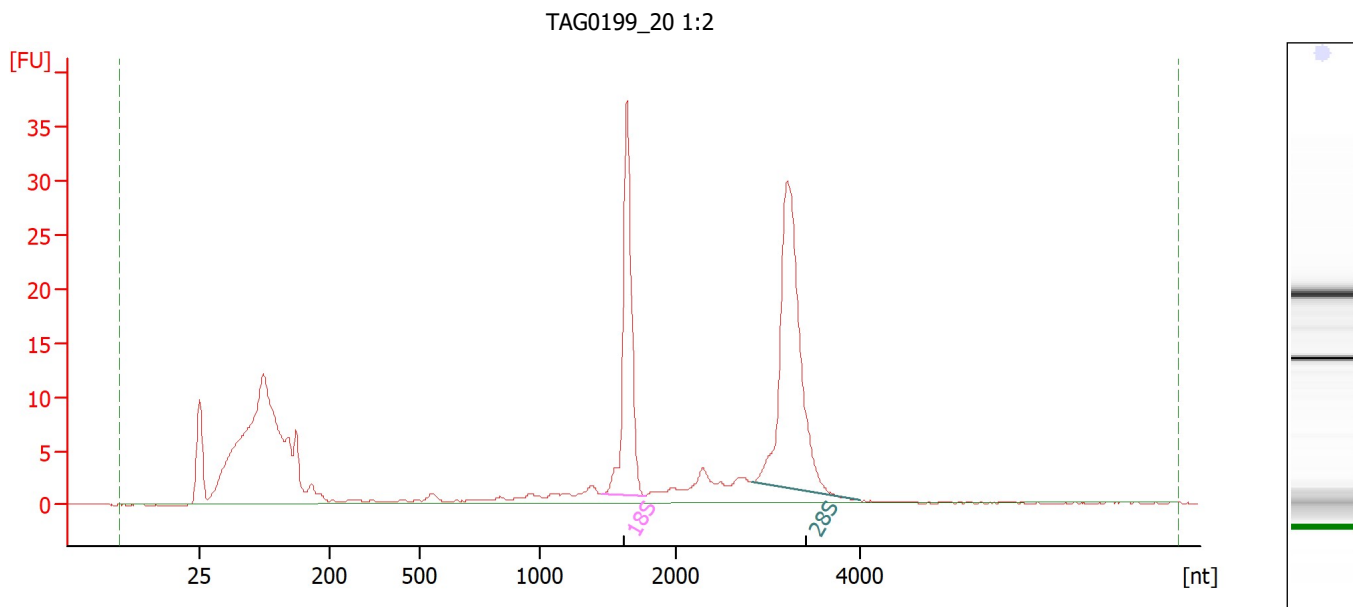
Fragment table for sample 4 : TAG0199_19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,771	24.5	23.4
28S	2,861	3,675	32.8	31.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TAG0199 20 1:2

RNA Area:	256.0	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	1,613 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.10

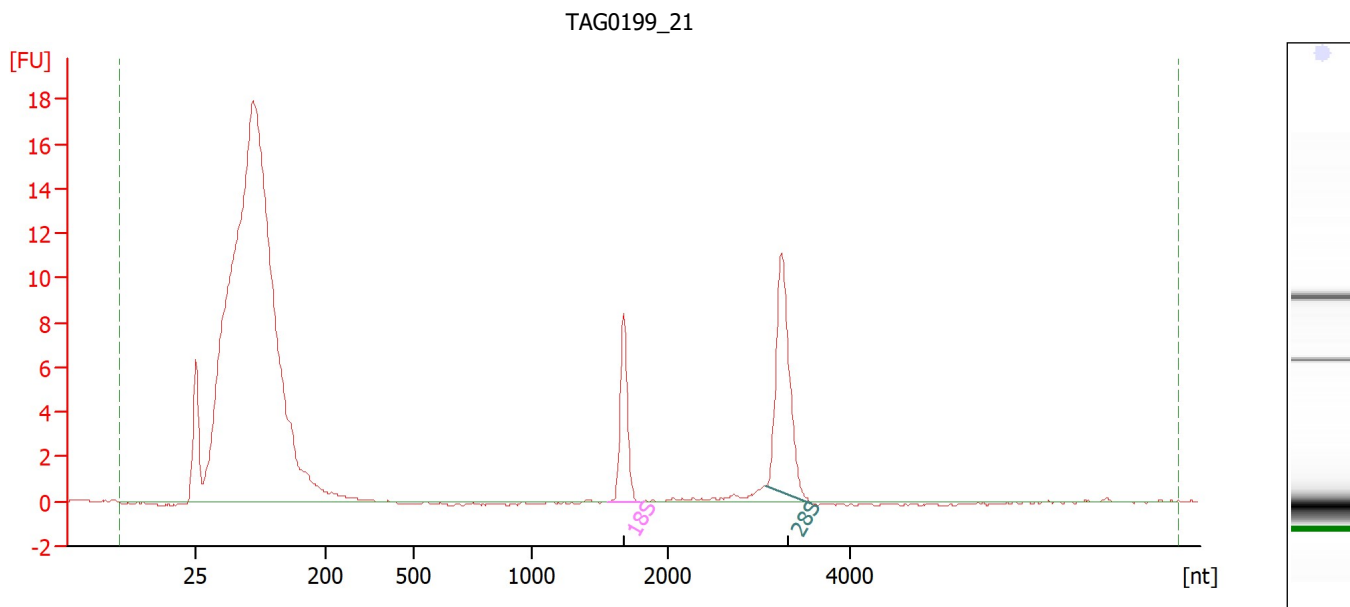
Fragment table for sample 5 : TAG0199 20 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,459	1,781	38.5	15.0
28S	2,834	4,001	60.0	23.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TAG0199_21

RNA Area:	190.4	RNA Integrity Number (RIN):	6.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,200 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 6.20

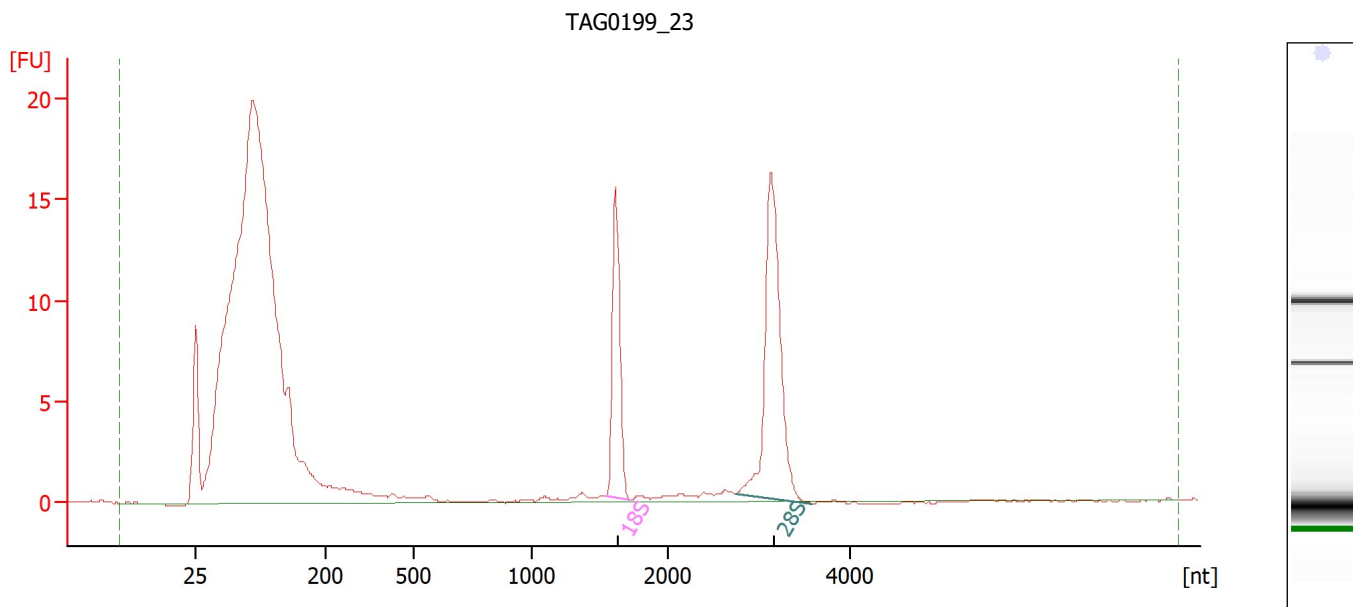
Fragment table for sample 6 : TAG0199_21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,794	7.9	4.2
28S	3,084	3,573	15.4	8.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : TAG0199_23

RNA Area:	235.5	RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,483 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 7.90

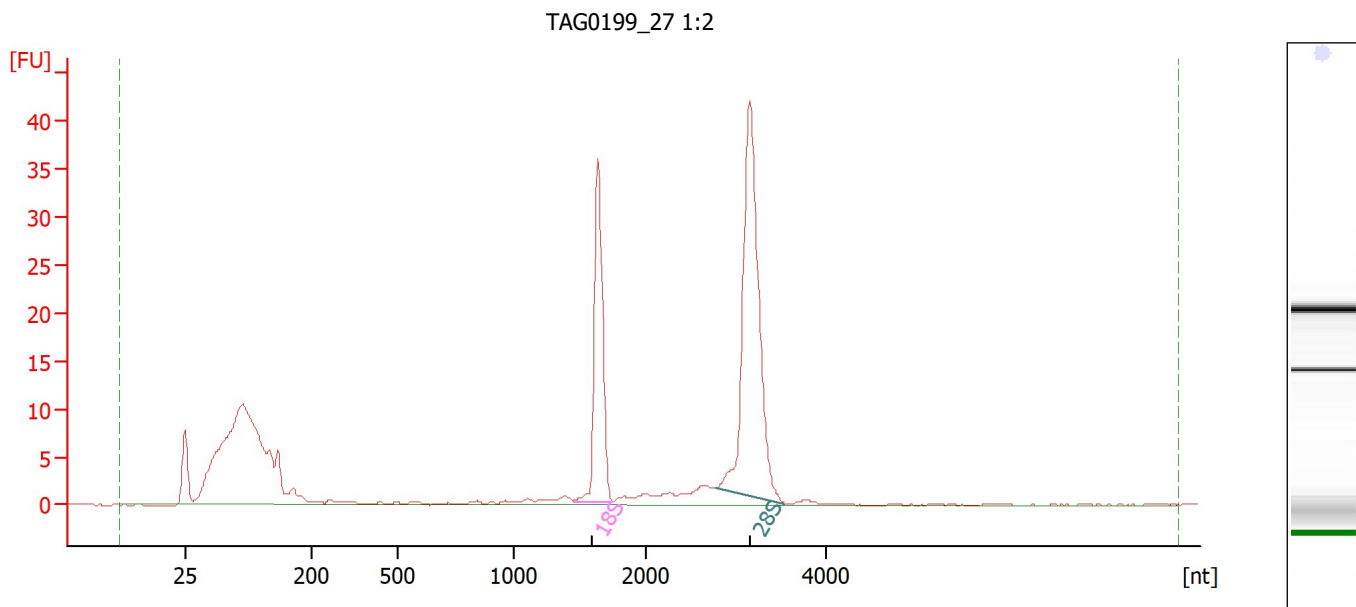
Fragment table for sample 7 : TAG0199_23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,722	14.1	6.0
28S	2,757	3,585	26.6	11.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : TAG0199_27 1:2

RNA Area:	243.3	RNA Integrity Number (RIN):	9.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,533 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.60

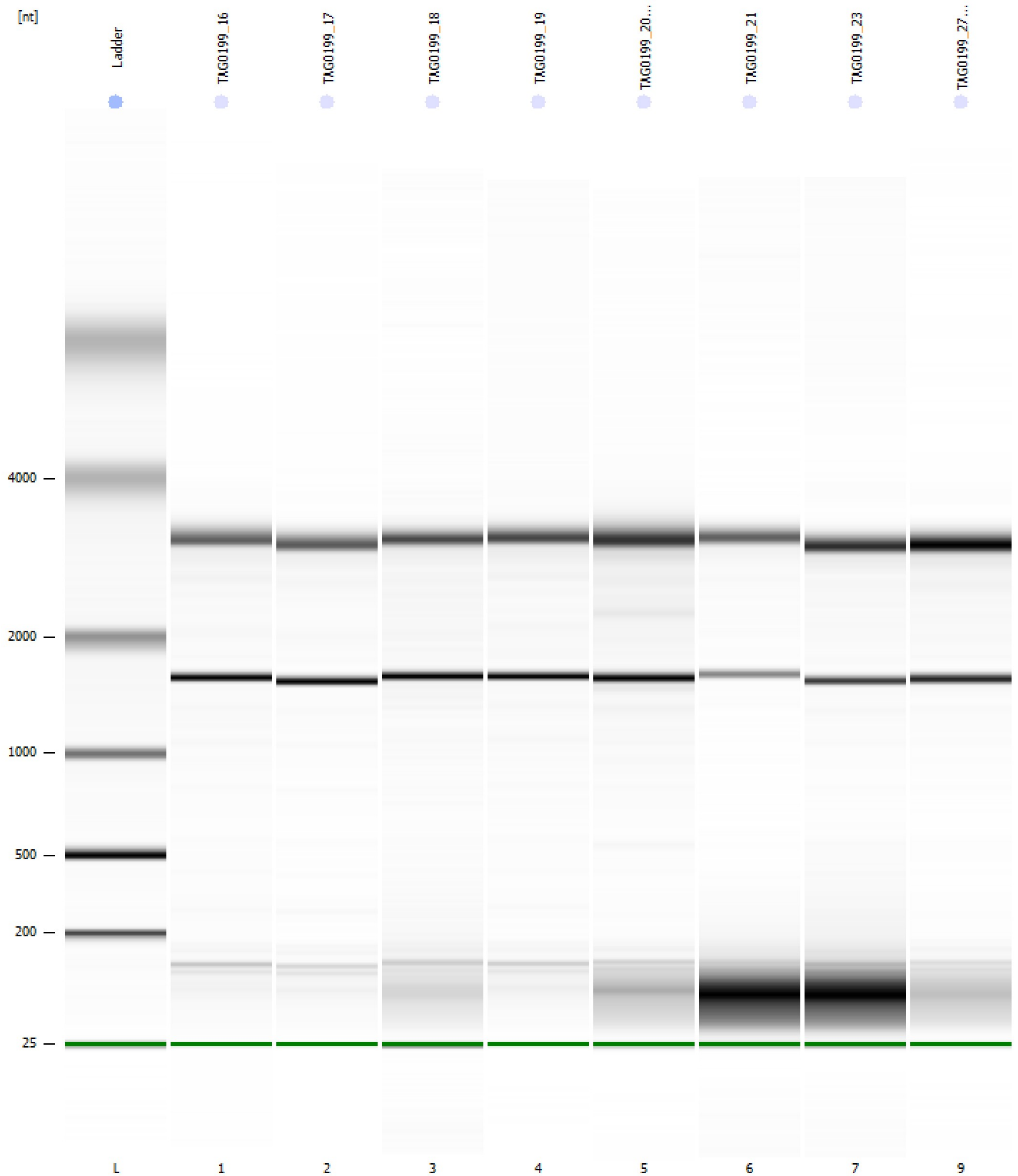
Fragment table for sample 9 : TAG0199_27 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,446	1,745	37.8	15.6
28S	2,781	3,543	71.0	29.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
Modified: 2/21/2023 7:23:34 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23-02-14\TAG0199_RNA_QC_Canter_Lammers_selected_samples.xad

Created: 2/14/2023 5:09:45 PM
 Modified: 2/21/2023 7:23:34 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		2/14/2023 5:32:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-14\Bioanalyzer1_Eukaryote Total RNA Pico_2023-02-14_001.xad)		Instrument	Run		2/14/2023 5:09:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/14/2023 5:09:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/14/2023 5:09:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/14/2023 5:09:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/14/2023 5:09:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/14/2023 5:09:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/14/2023 5:09:52 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB