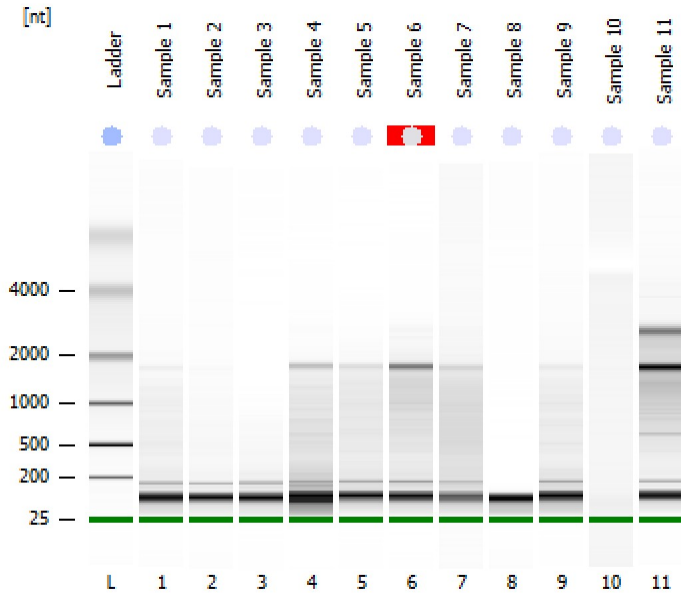


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
Modified: 3/6/2023 11:14:27 AM

Electrophoresis File Run Summary



Instrument Information:

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

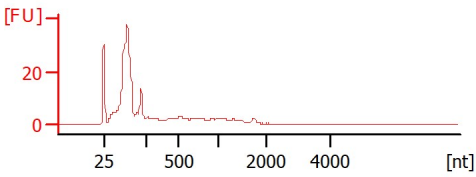
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

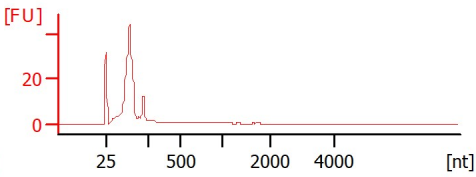
Chip Information:

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

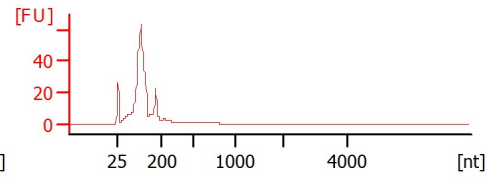
Sample 1
RIN: 2.50



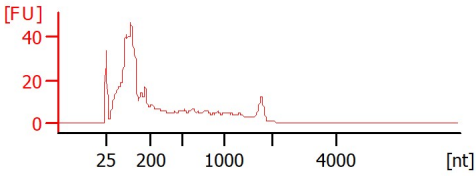
Sample 2
RIN: 2.50



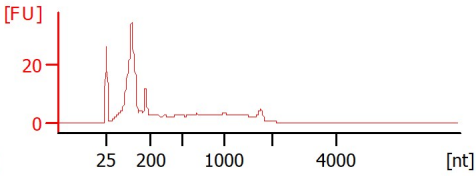
Sample 3
RIN: 2.50



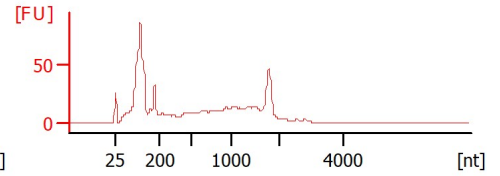
Sample 4
RIN: 2.90



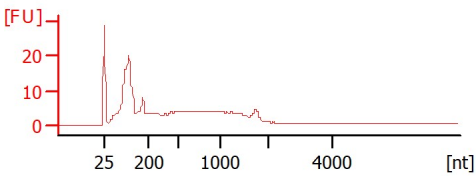
Sample 5
RIN: 2.60



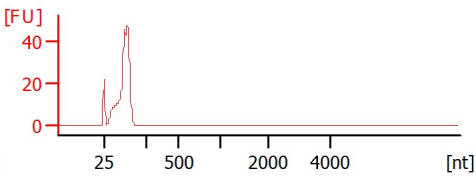
Sample 6
RIN N/A



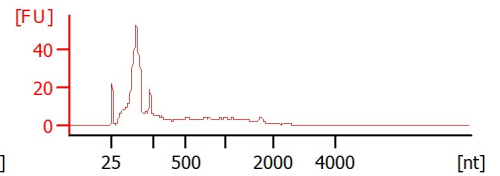
Sample 7
RIN: 2.80



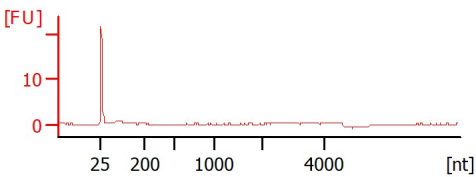
Sample 8
RIN: 2.60



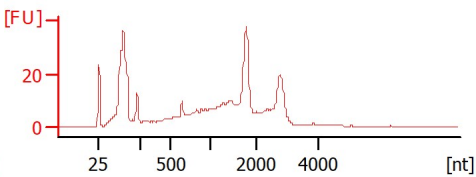
Sample 9
RIN: 2.50



Sample 10
RIN: 1



Sample 11
RIN: 6.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 2.50	
Sample 2		✓	RIN: 2.50	
Sample 3		✓	RIN: 2.50	
Sample 4		✓	RIN: 2.90	
Sample 5		✓	RIN: 2.60	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN: 2.80	
Sample 8		✓	RIN: 2.60	
Sample 9		✓	RIN: 2.50	
Sample 10		✓	RIN:1	
Sample 11		✓	RIN: 6.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
Modified: 3/6/2023 11:14:27 AM

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

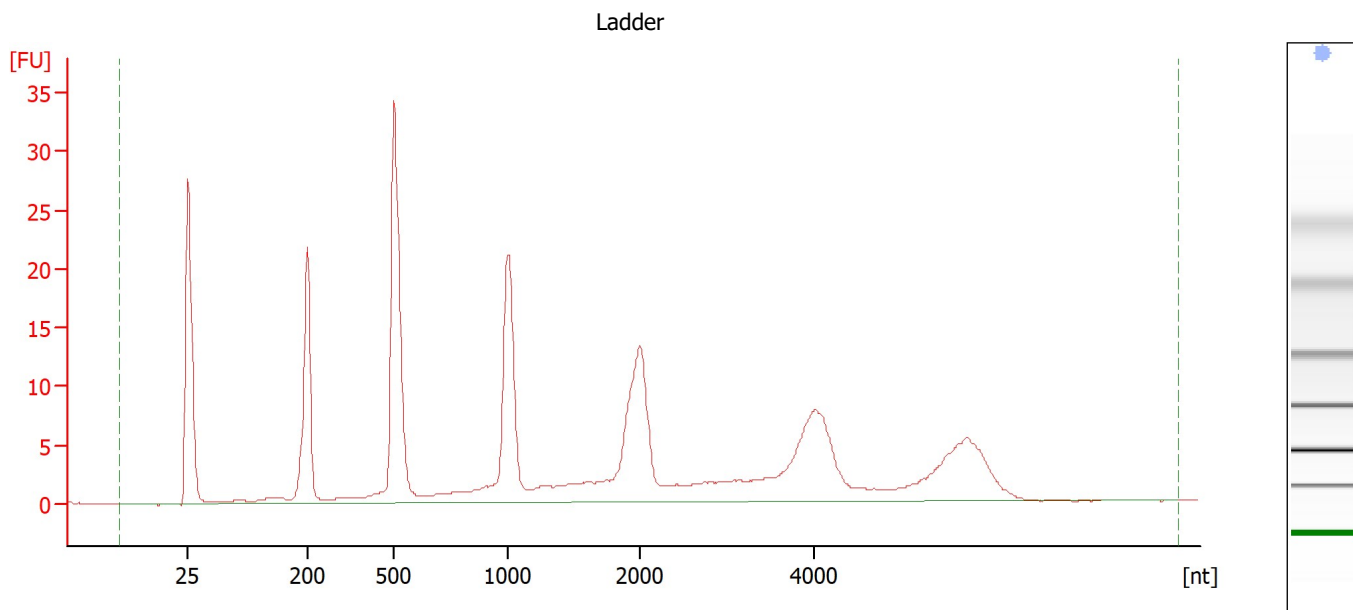
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary



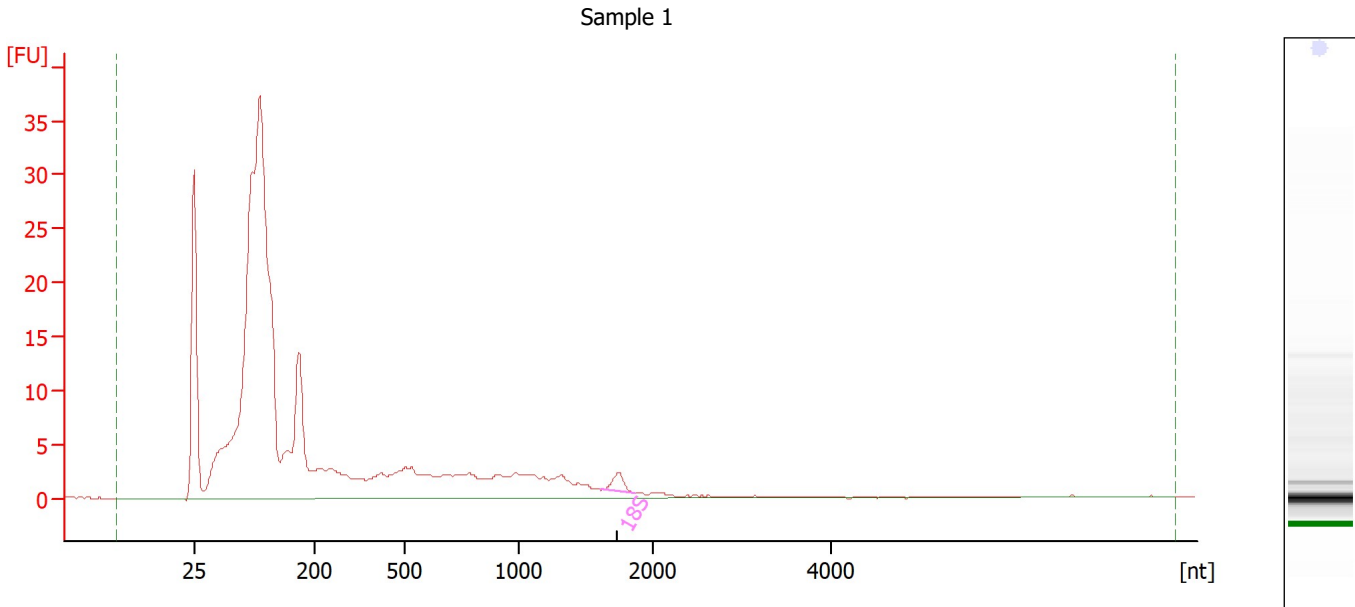
Overall Results for Ladder

RNA Area:	259.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	304.3	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	1,173 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

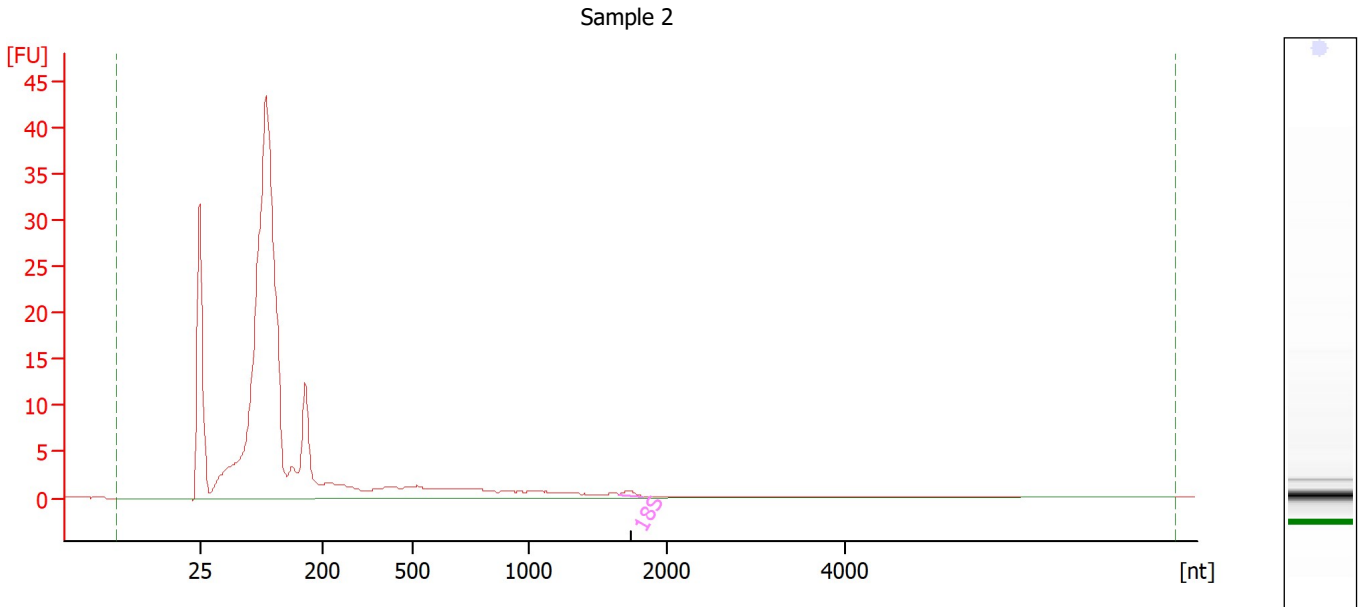
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,853	2.6	0.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	244.0	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	940 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

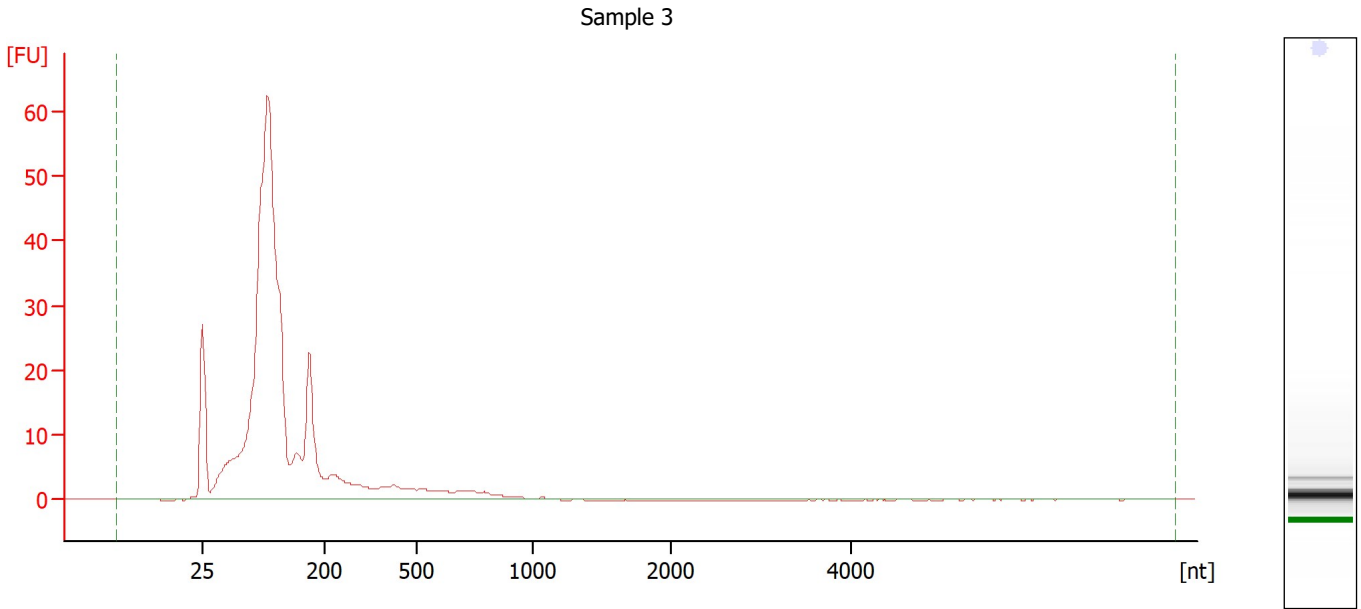
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,655	1,835	0.7	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



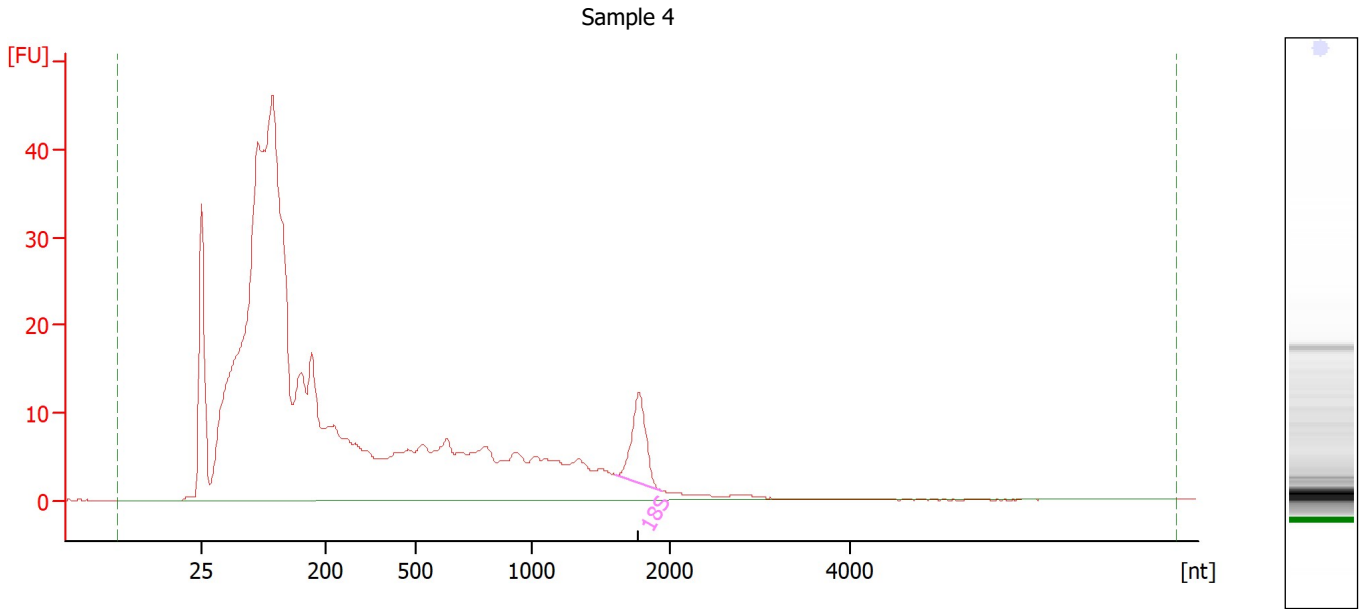
Overall Results for sample 3 : Sample 3

RNA Area:	381.2	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	1,469 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	655.8	RNA Integrity Number (RIN):	2.9 (B.02.10)
RNA Concentration:	2,527 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

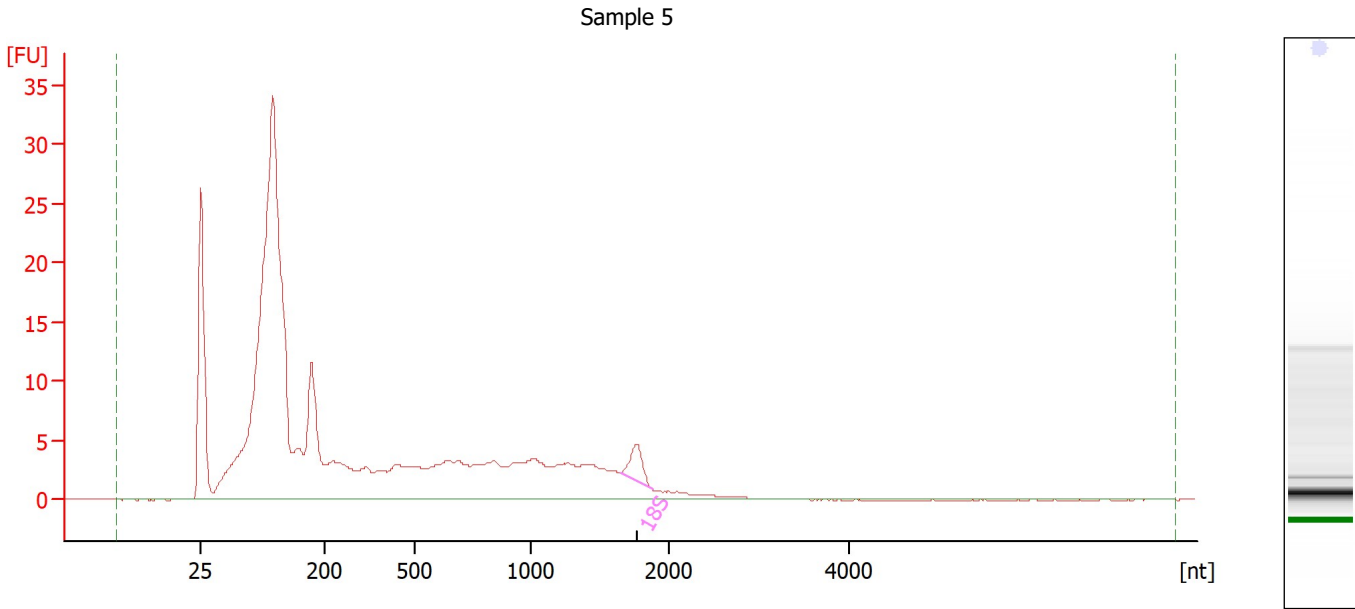
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,945	17.9	2.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	306.8	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,182 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

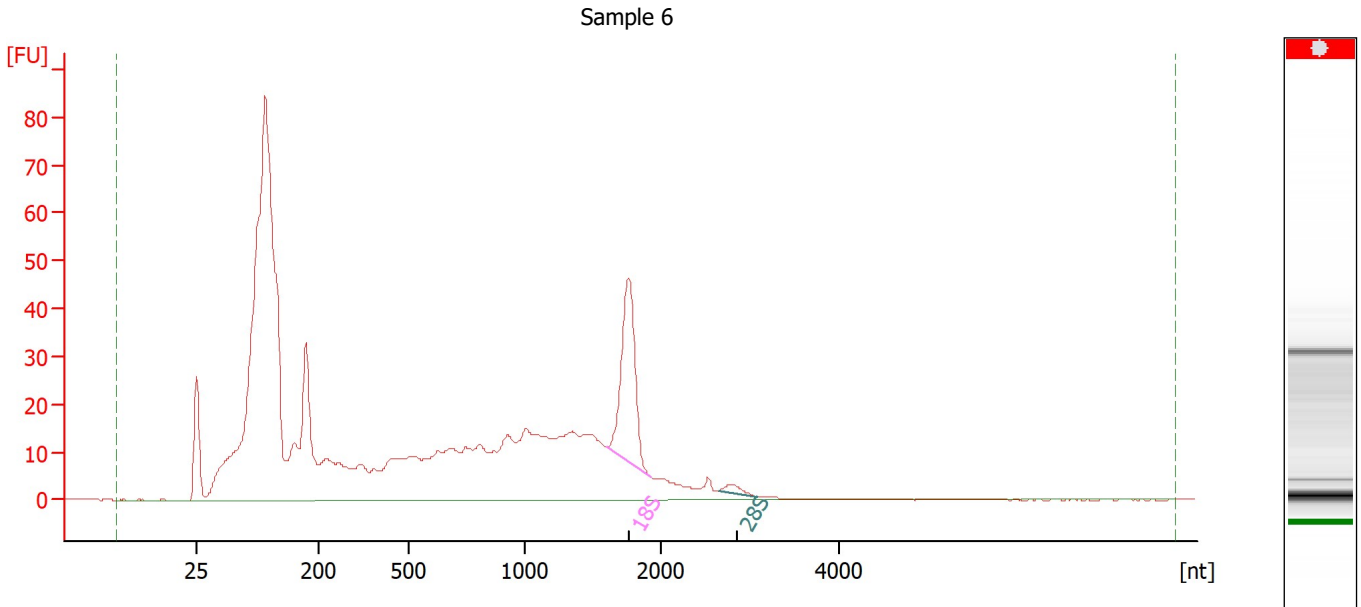
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	1,883	5.0	1.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	993.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3,827 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

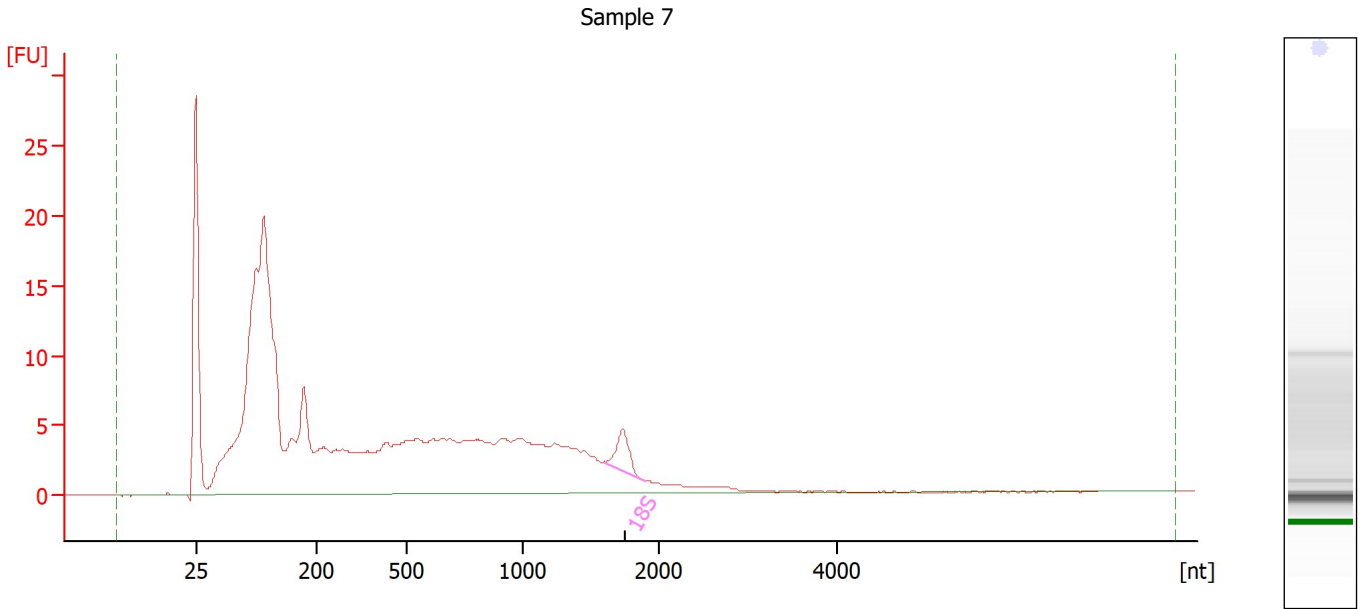
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,612	1,935	64.4	6.5
28S	2,655	3,075	3.1	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	280.5	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	1,081 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

Fragment table for sample 7 : Sample 7

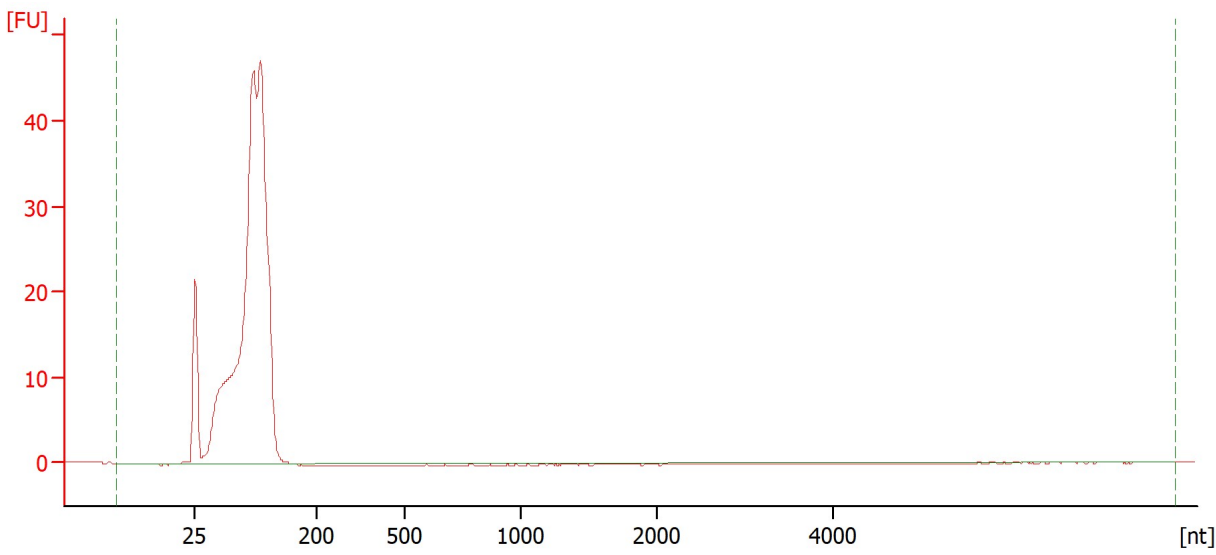
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	1,902	4.6	1.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...

Sample 8



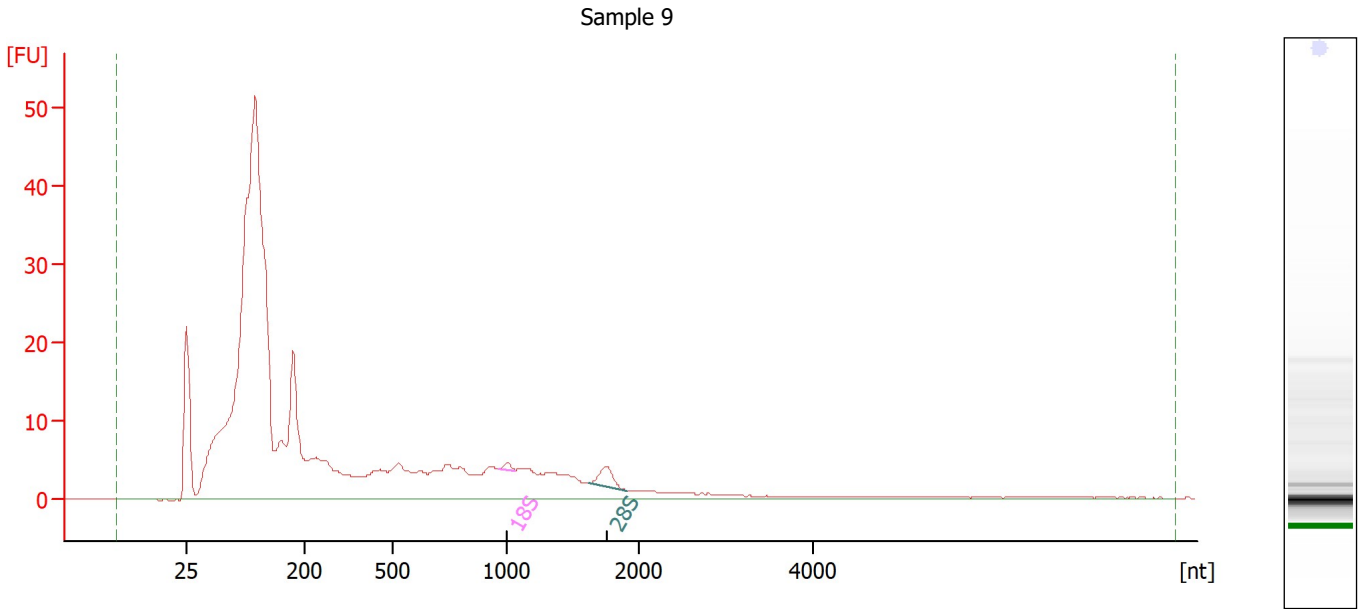
Overall Results for sample 8 : Sample 8

RNA Area:	242.2	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	933 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	485.1	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	1,869 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	5.5	Result Flagging Label:	RIN: 2.50

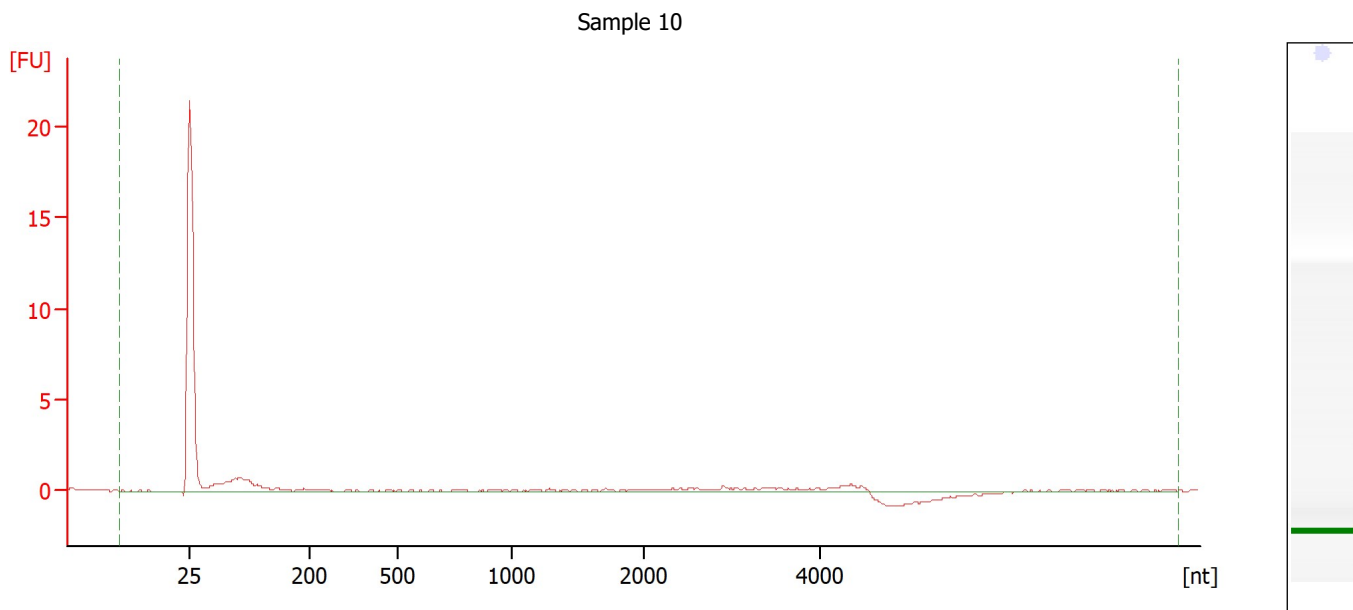
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	963	1,067	0.8	0.2
28S	1,614	1,903	4.6	0.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



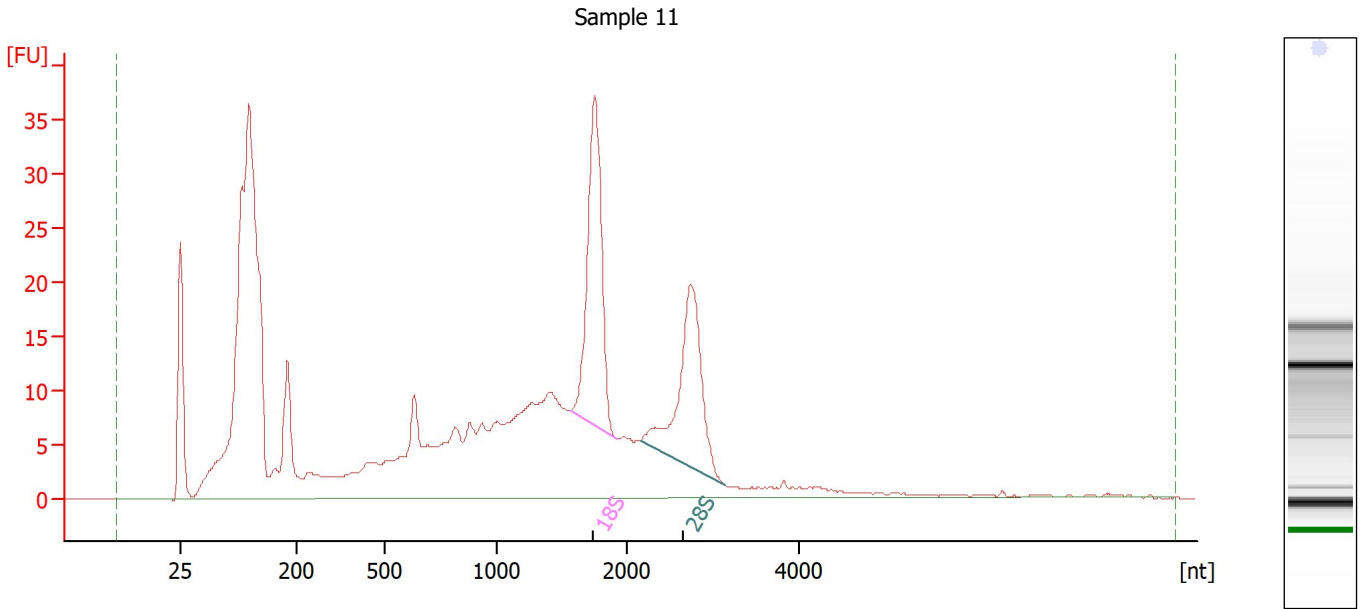
Overall Results for sample 10 : Sample 10

RNA Area:	10.6	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	41 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:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	573.2	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	2,209 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.60

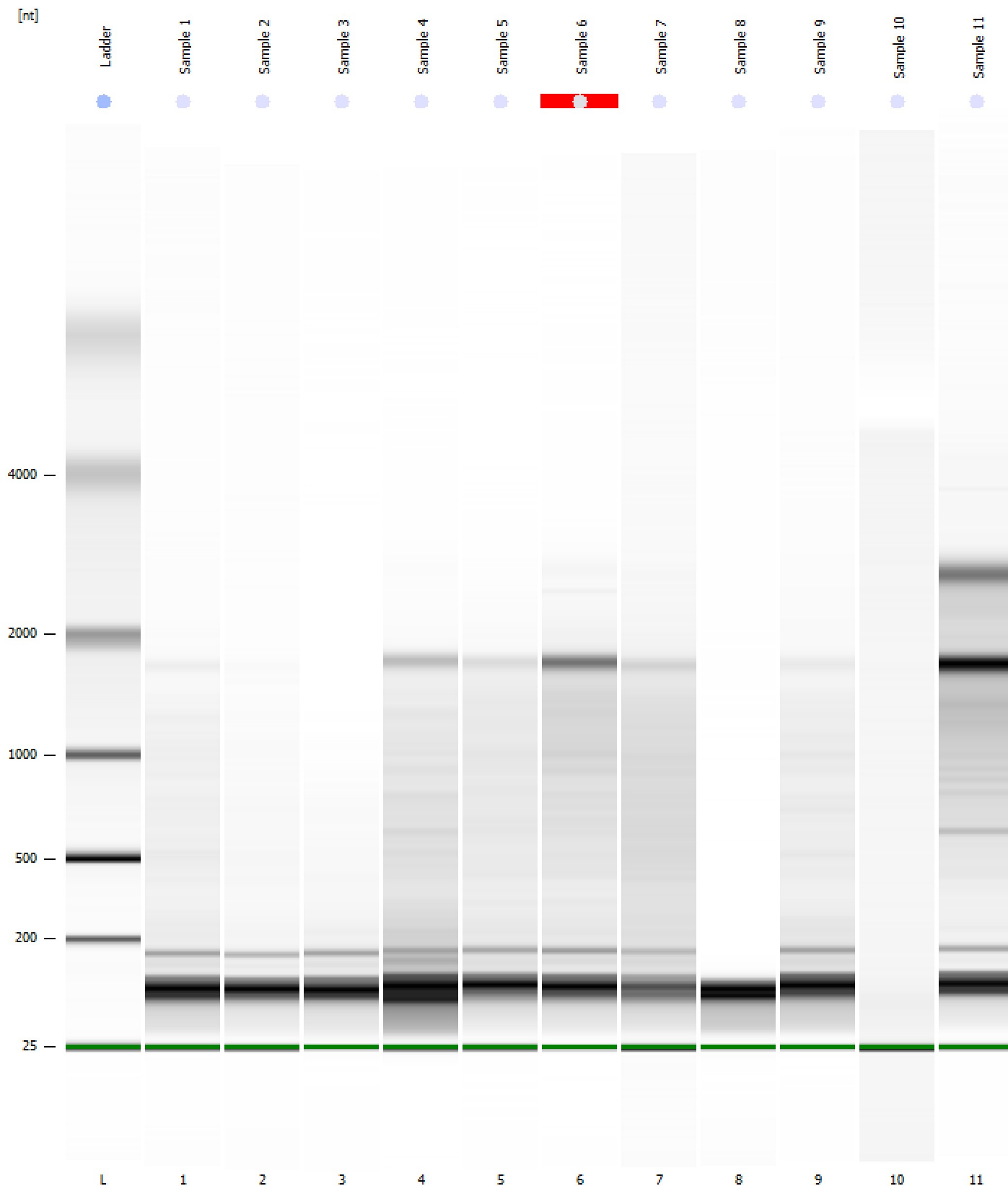
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	1,923	55.0	9.6
28S	2,157	3,137	44.7	7.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad

Created: 3/6/2023 10:51:28 AM
Modified: 3/6/2023 11:14:27 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad
 Created: 3/6/2023 10:51:28 AM
 Modified: 3/6/2023 11:14:27 AM

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		3/6/2023 11:14:25 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-03-06\Bioanalyzer1_Eukaryote Total RNA Pico_2023-03-06_001.xad)		Instrument	Run		3/6/2023 10:51:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/6/2023 10:51:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/6/2023 10:51:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/6/2023 10:51:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/6/2023 10:51:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/6/2023 10:51:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/6/2023 10:51:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB