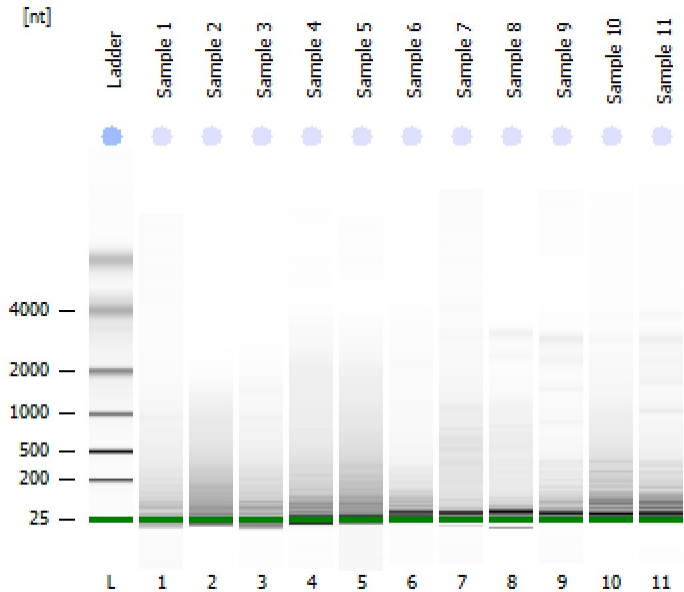


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
Modified: 6/2/2023 1:13:24 PM

Electrophoresis File Run Summary



Instrument Information:

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

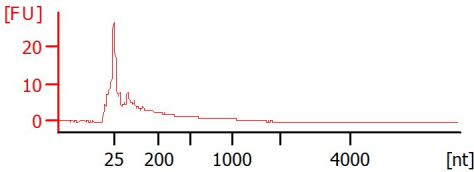
Assay Information:

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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

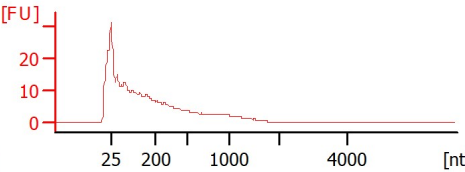
Chip Information:

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

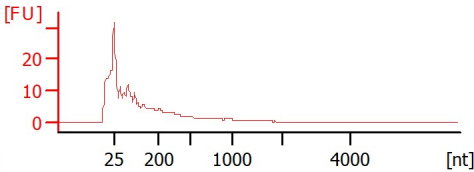
Sample 1  
RIN: 2.30



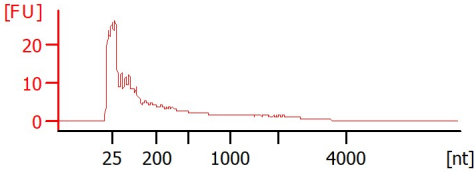
Sample 2  
RIN: 2.40



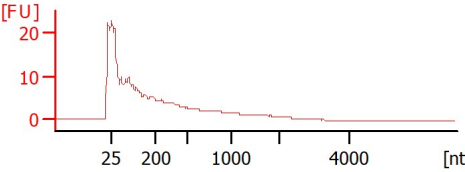
Sample 3  
RIN: 2.50



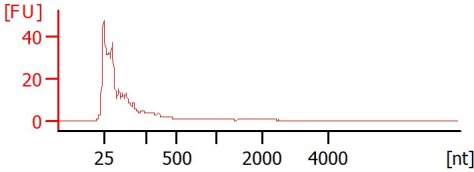
Sample 4  
RIN: 2.40



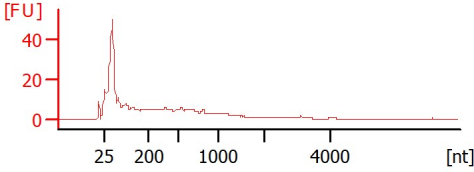
Sample 5  
RIN: 2.40



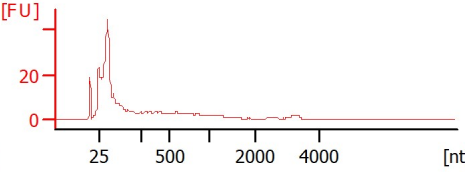
Sample 6  
RIN: 2.50



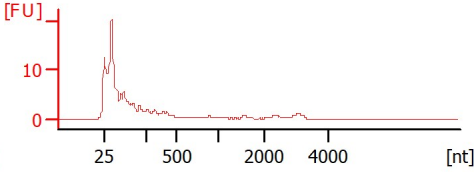
Sample 7  
RIN: 2.30



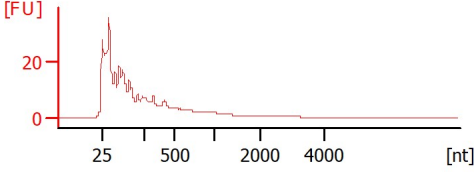
Sample 8  
RIN: 2.30



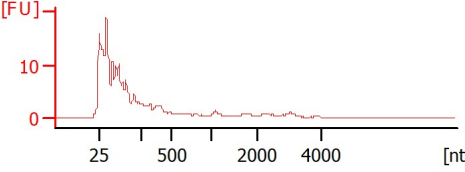
Sample 9  
RIN: 2.60



Sample 10  
RIN: 2.30



Sample 11  
RIN: 2.60



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 2.30	
Sample 2		✓	RIN: 2.40	
Sample 3		✓	RIN: 2.50	
Sample 4		✓	RIN: 2.40	
Sample 5		✓	RIN: 2.40	
Sample 6		✓	RIN: 2.50	
Sample 7		✓	RIN: 2.30	
Sample 8		✓	RIN: 2.30	
Sample 9		✓	RIN: 2.60	
Sample 10		✓	RIN: 2.30	
Sample 11		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 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/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 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

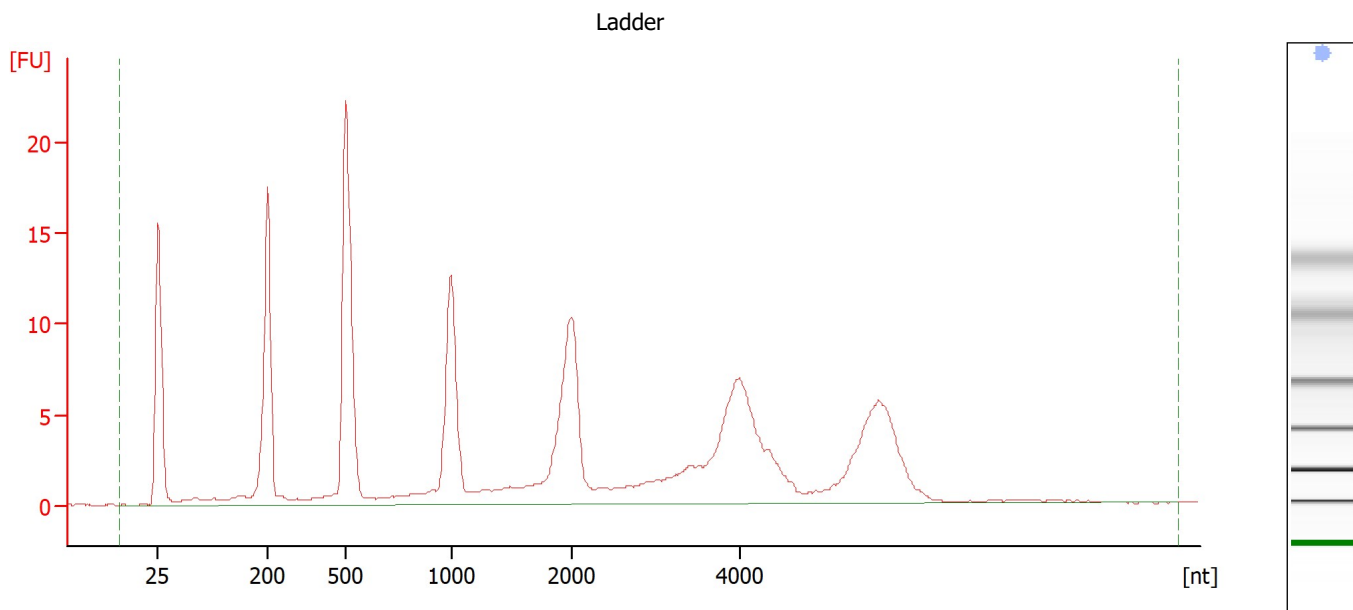
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary**



**Overall Results for Ladder**

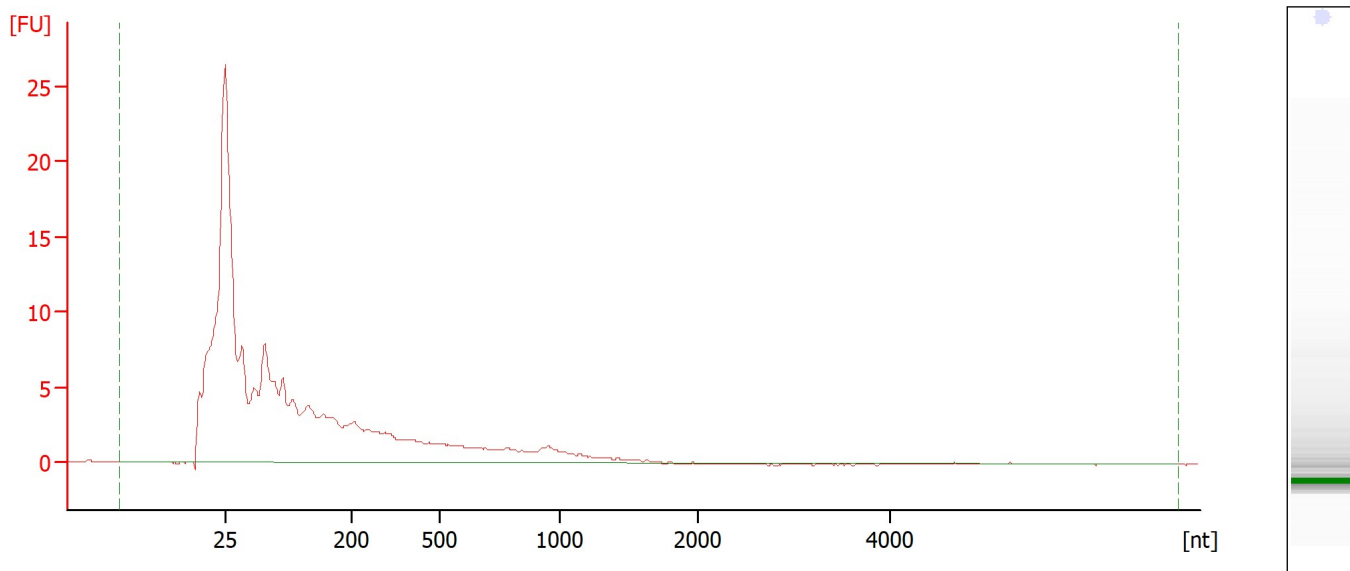
RNA Area:	204.8	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 1



**Overall Results for sample 1 : Sample 1**

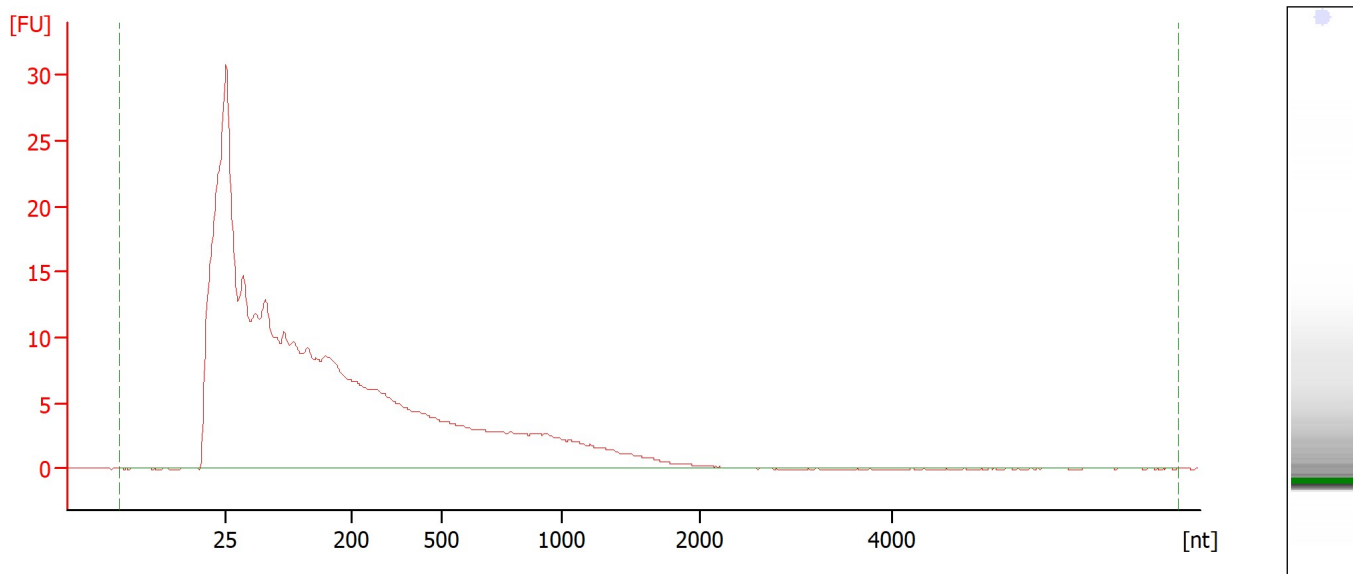
RNA Area:	107.8	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	526 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 2



**Overall Results for sample 2 : Sample 2**

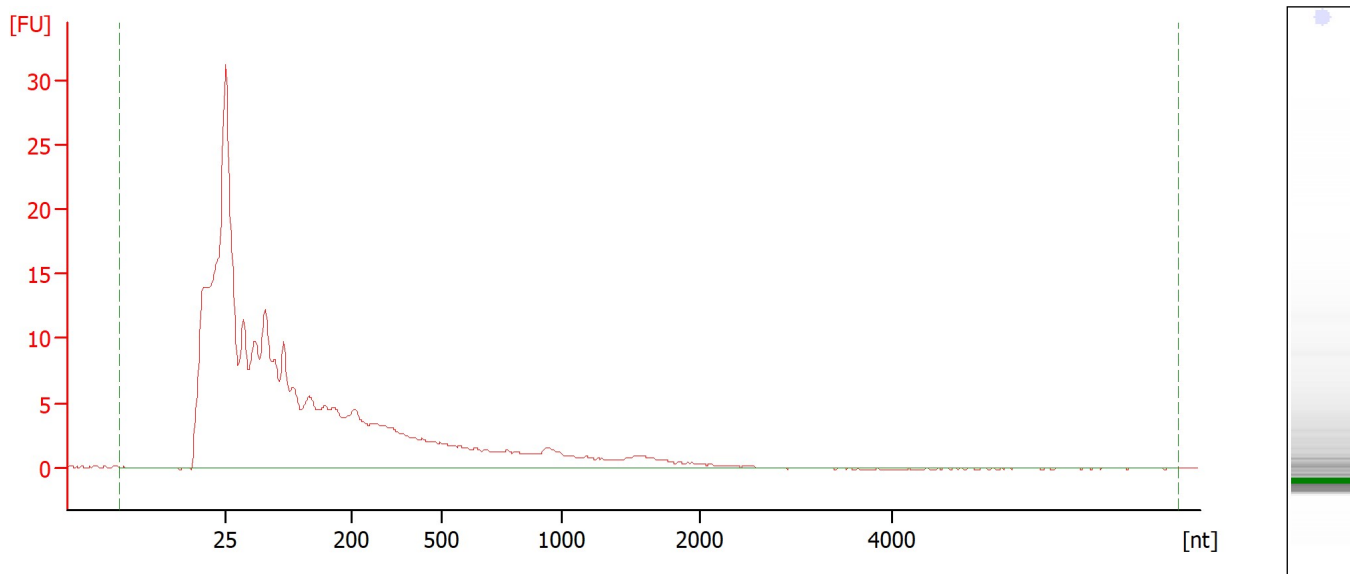
RNA Area:	282.3	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	1,378 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 3



**Overall Results for sample 3 : Sample 3**

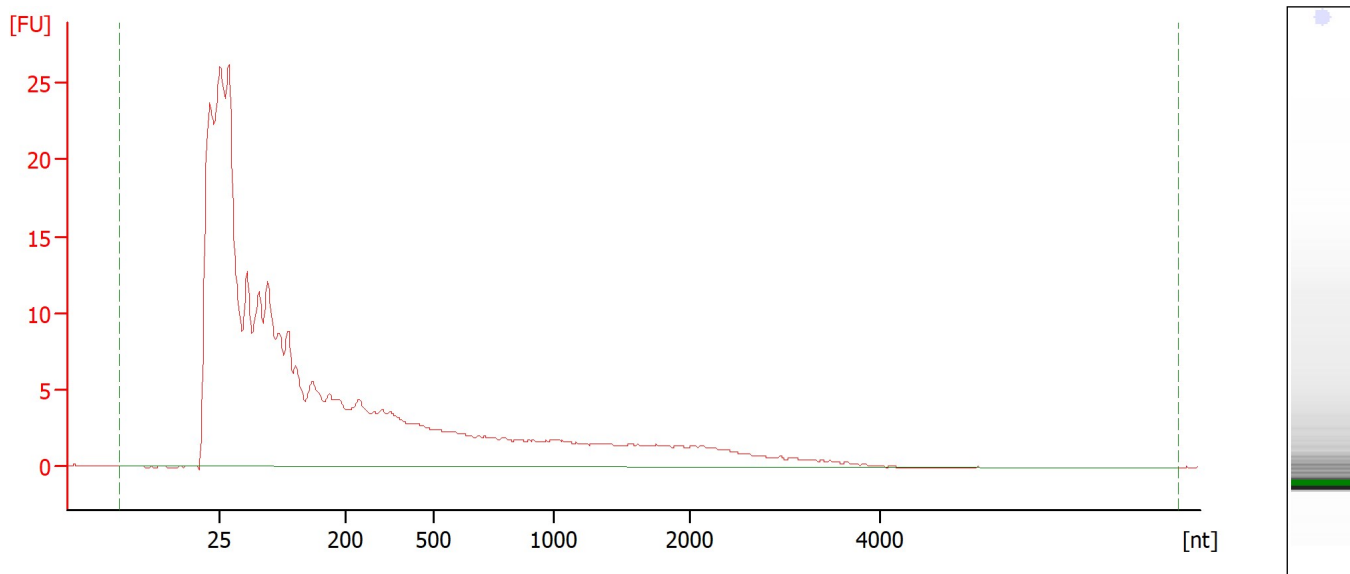
RNA Area:	196.5	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	959 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 4



**Overall Results for sample 4 : Sample 4**

RNA Area:	231.6	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	1,131 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

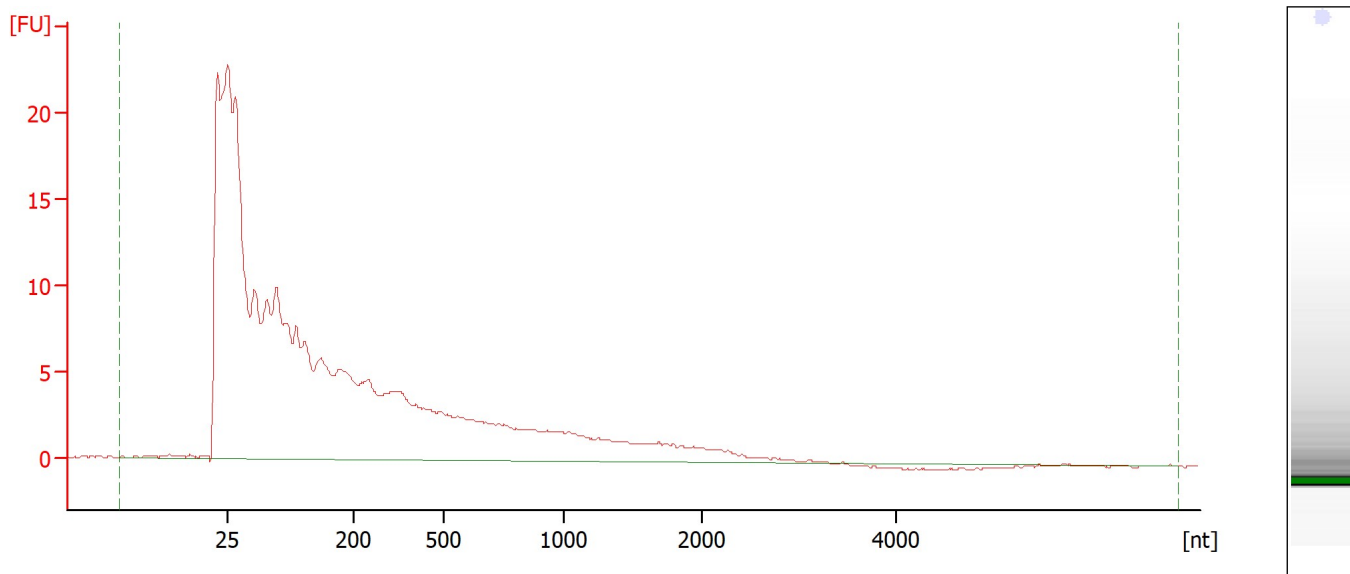


Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 5



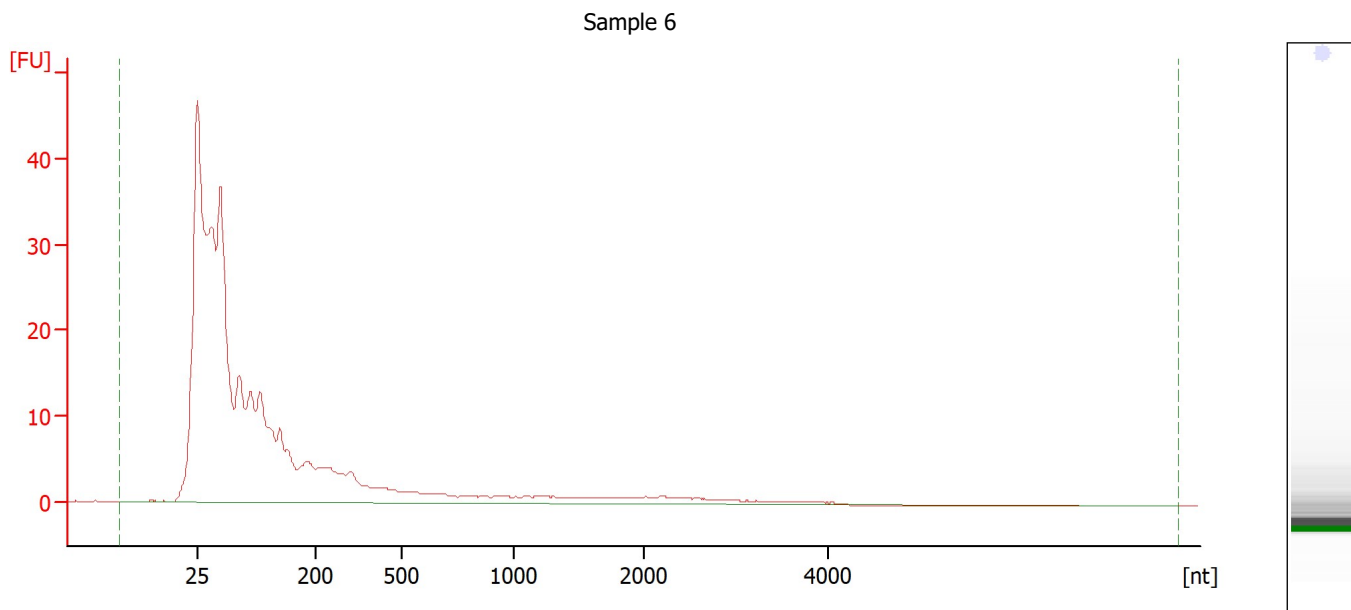
**Overall Results for sample 5 : Sample 5**

RNA Area:	221.5	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	1,082 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**



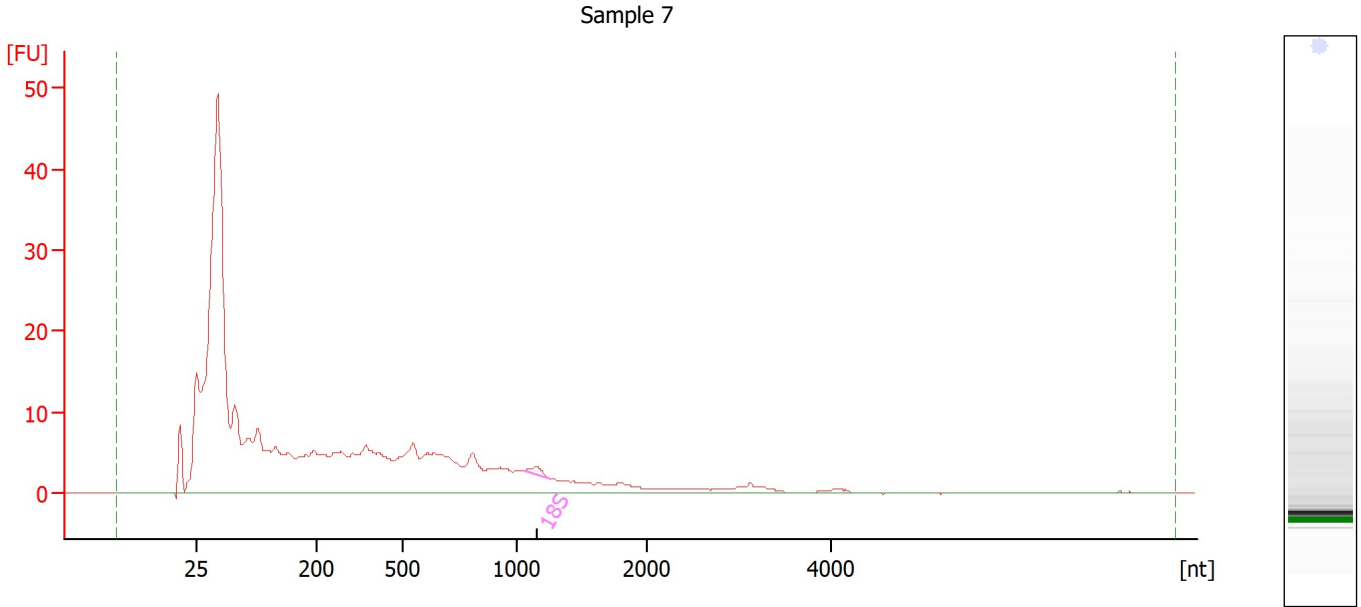
**Overall Results for sample 6 : Sample 6**

RNA Area:	283.3	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	1,384 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Sample 7**

RNA Area:	393.3	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	1,921 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

**Fragment table for sample 7 : Sample 7**

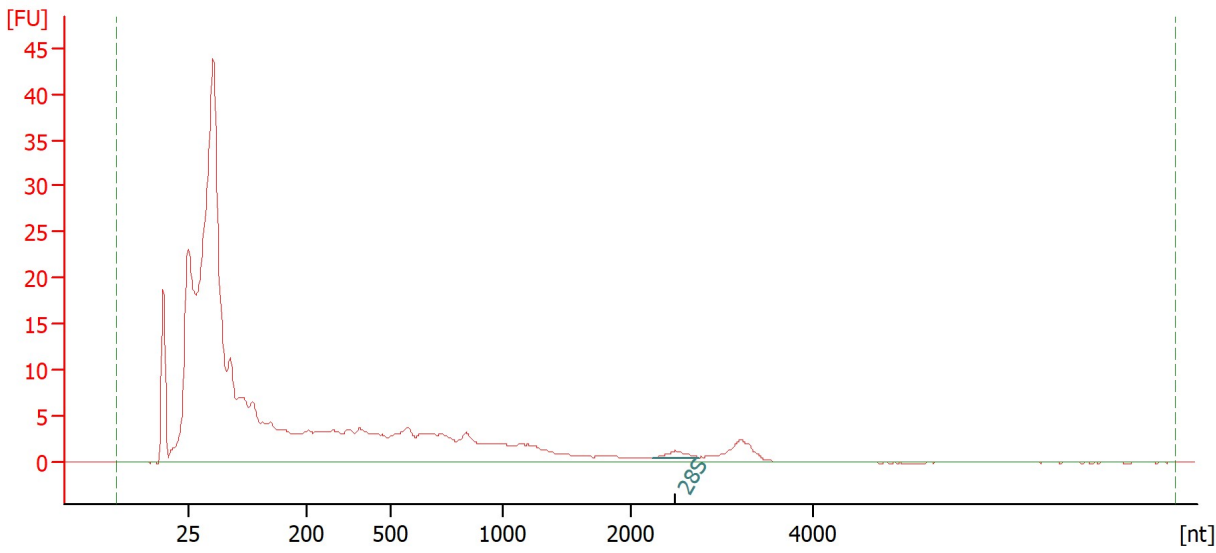
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,064	1,261	1.4	0.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 8



**Overall Results for sample 8 : Sample 8**

RNA Area:	361.4	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	1,765 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

**Fragment table for sample 8 : Sample 8**

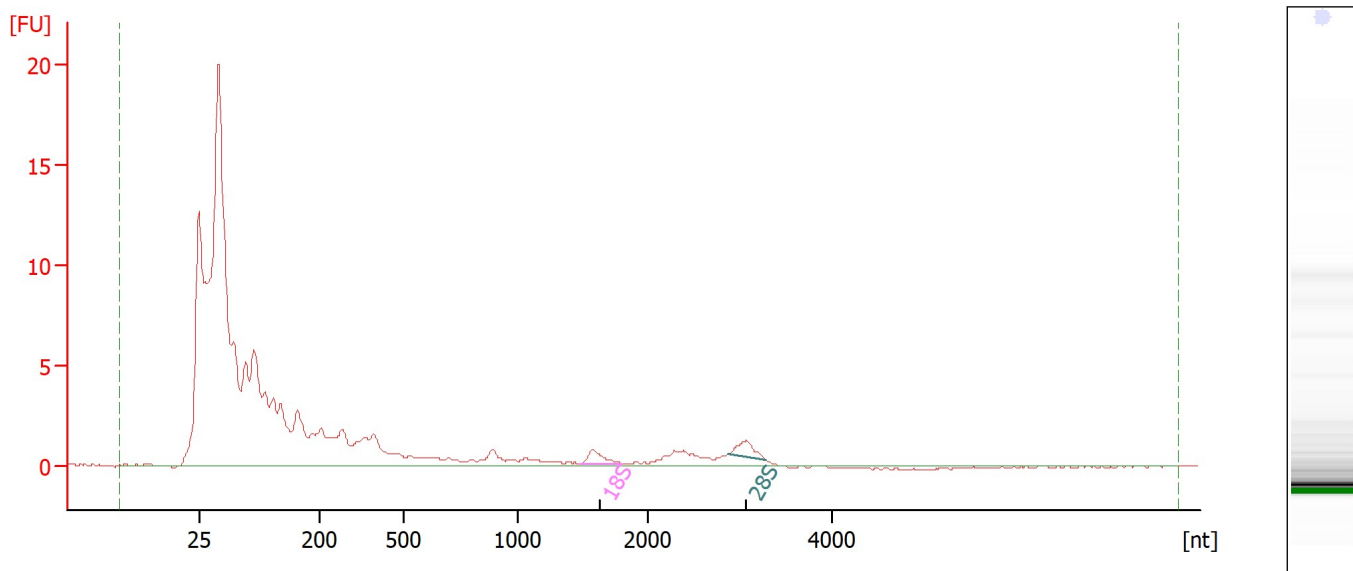
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,234	2,754	1.7	0.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 9



**Overall Results for sample 9 : Sample 9**

RNA Area:	137.2	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	670 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 2.60

**Fragment table for sample 9 : Sample 9**

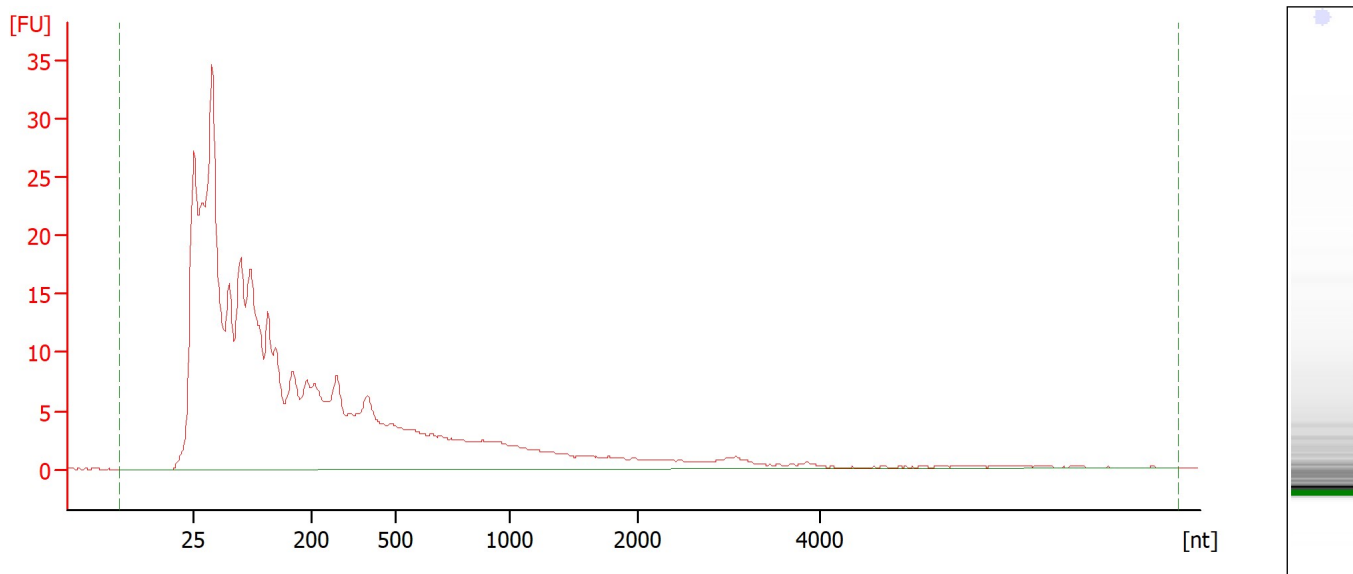
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,480	1,791	1.4	1.1
28S	2,866	3,273	1.5	1.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 10



**Overall Results for sample 10 : Sample 10**

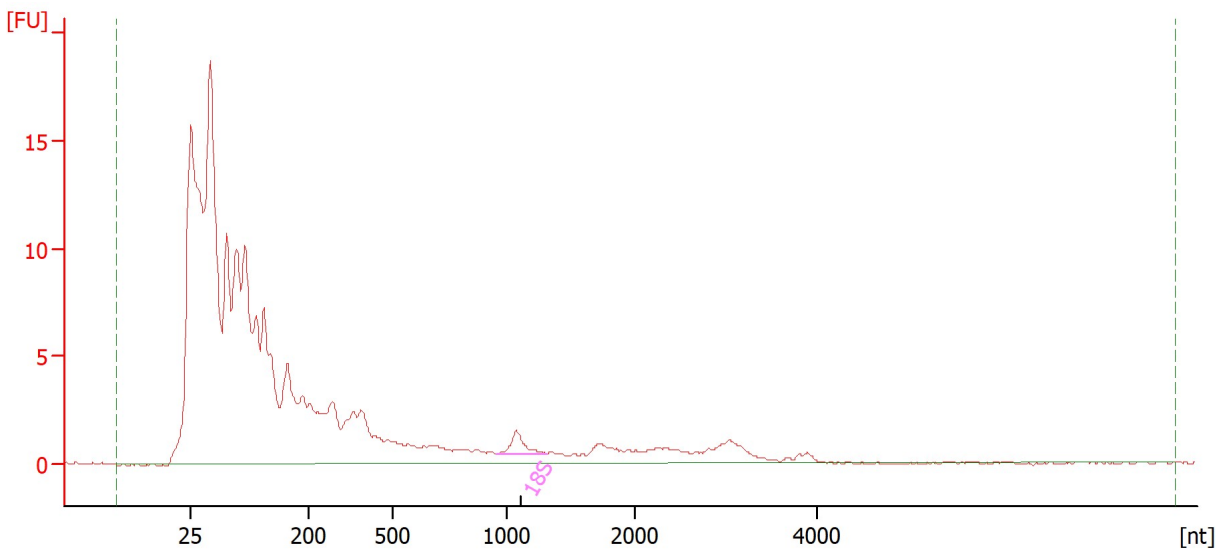
RNA Area:	418.2	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	2,042 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 PM

**Electropherogram Summary Continued ...**

Sample 11



**Overall Results for sample 11 : Sample 11**

RNA Area:	194.0	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	947 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

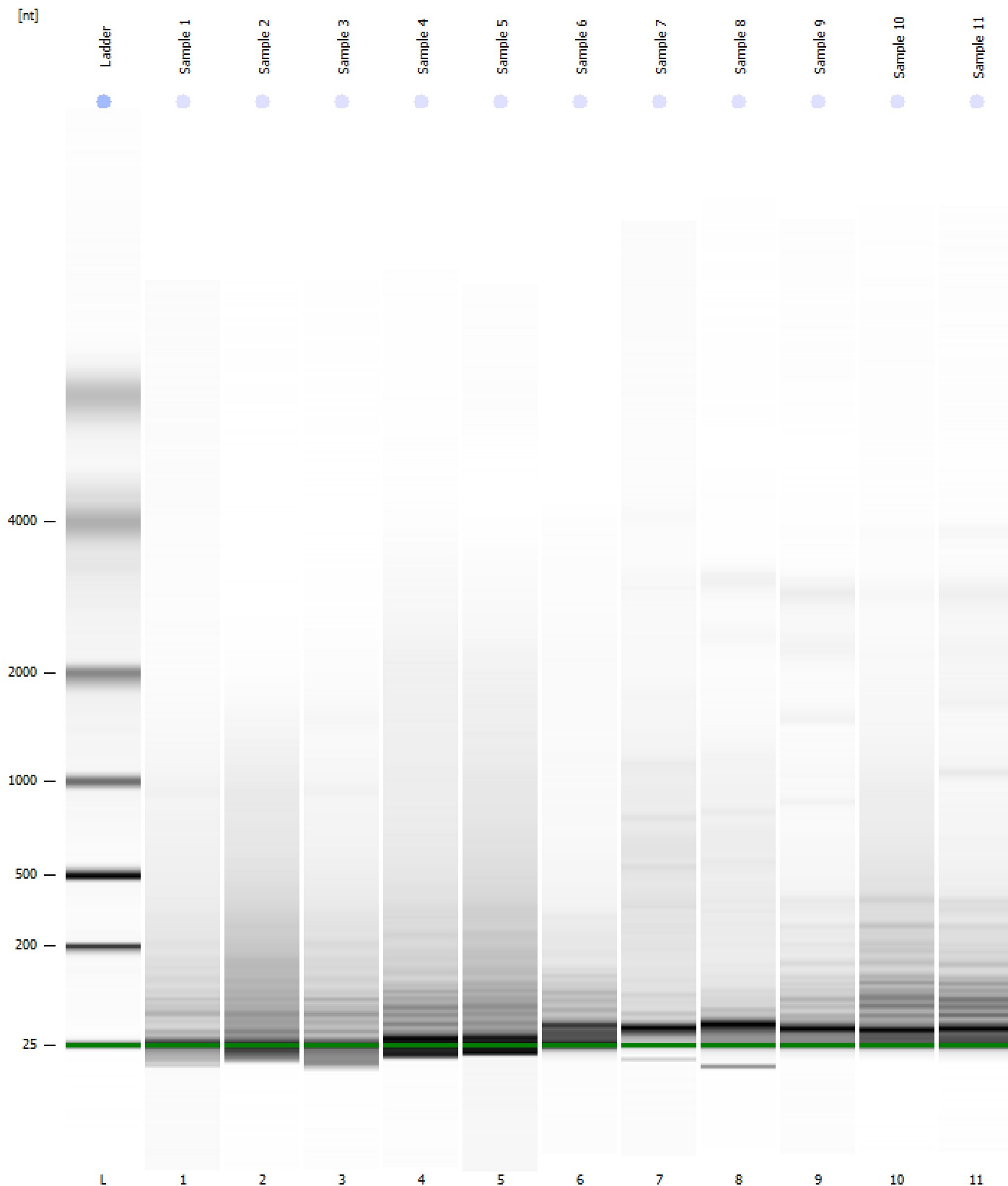
**Fragment table for sample 11 : Sample 11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	961	1,321	2.0	1.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
Modified: 6/2/2023 1:13:24 PM

**Gel Image**



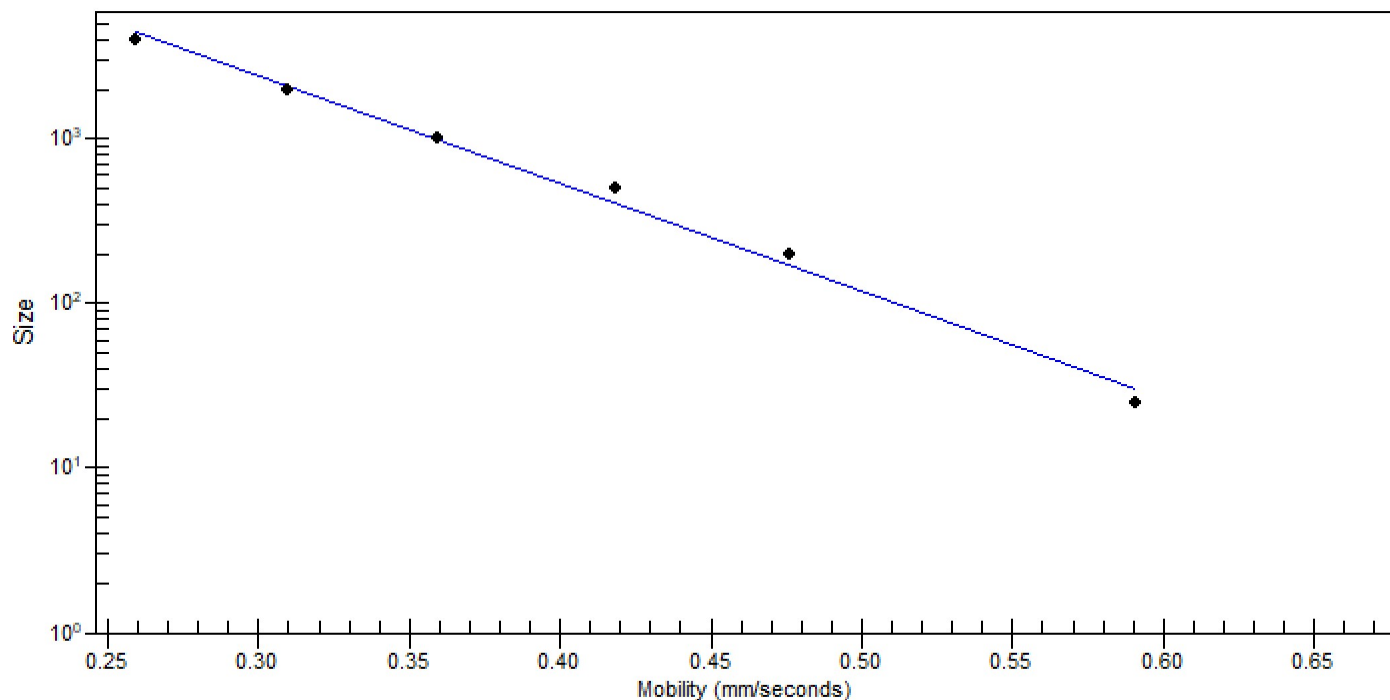


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
Modified: 6/2/2023 1:13:24 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...02\Bioanalyzer1\_Eukaryote Total RNA Pico\_2023-06-02\_001.xad

Created: 6/2/2023 12:50:23 PM  
 Modified: 6/2/2023 1:13:24 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		6/2/2023 1:13:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-02\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-02_001.xad)		Instrument	Run		6/2/2023 12:50:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/2/2023 12:50:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/2/2023 12:50:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/2/2023 12:50:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/2/2023 12:50:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/2/2023 12:50:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/2/2023 12:50:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB