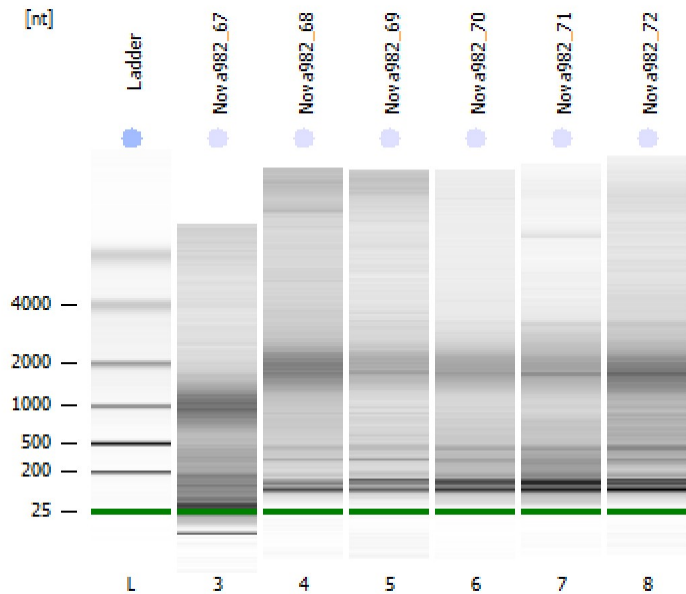


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 PM

Electrophoresis File Run Summary



Instrument Information:

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

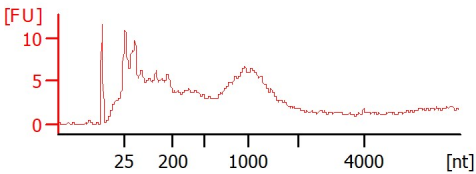
Assay Information:

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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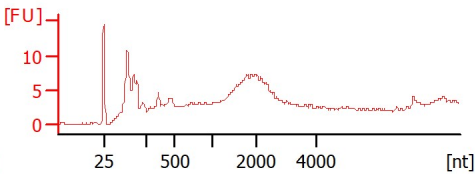
Chip Information:

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

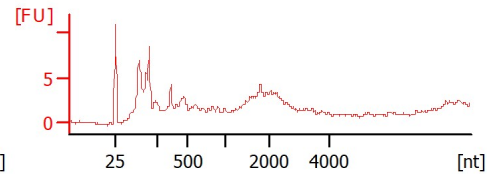
Nova982_67
RIN: 2.30



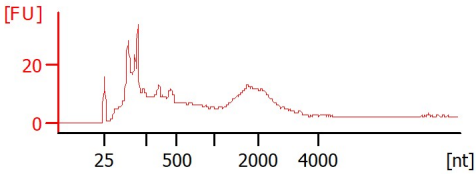
Nova982_68
RIN: 2.70



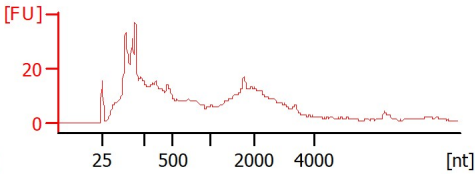
Nova982_69
RIN: 2.90



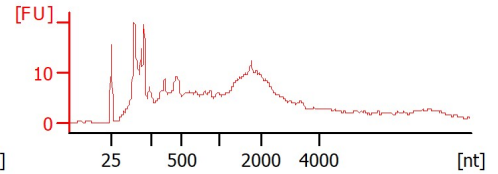
Nova982_70
RIN: 2.60



Nova982_71
RIN: 2.60



Nova982_72
RIN: 3.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
 Modified: 10/13/2023 5:02:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova982_67		✓	RIN: 2.30	
Nova982_68		✓	RIN: 2.70	
Nova982_69		✓	RIN: 2.90	
Nova982_70		✓	RIN: 2.60	
Nova982_71		✓	RIN: 2.60	
Nova982_72		✓	RIN: 3.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 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

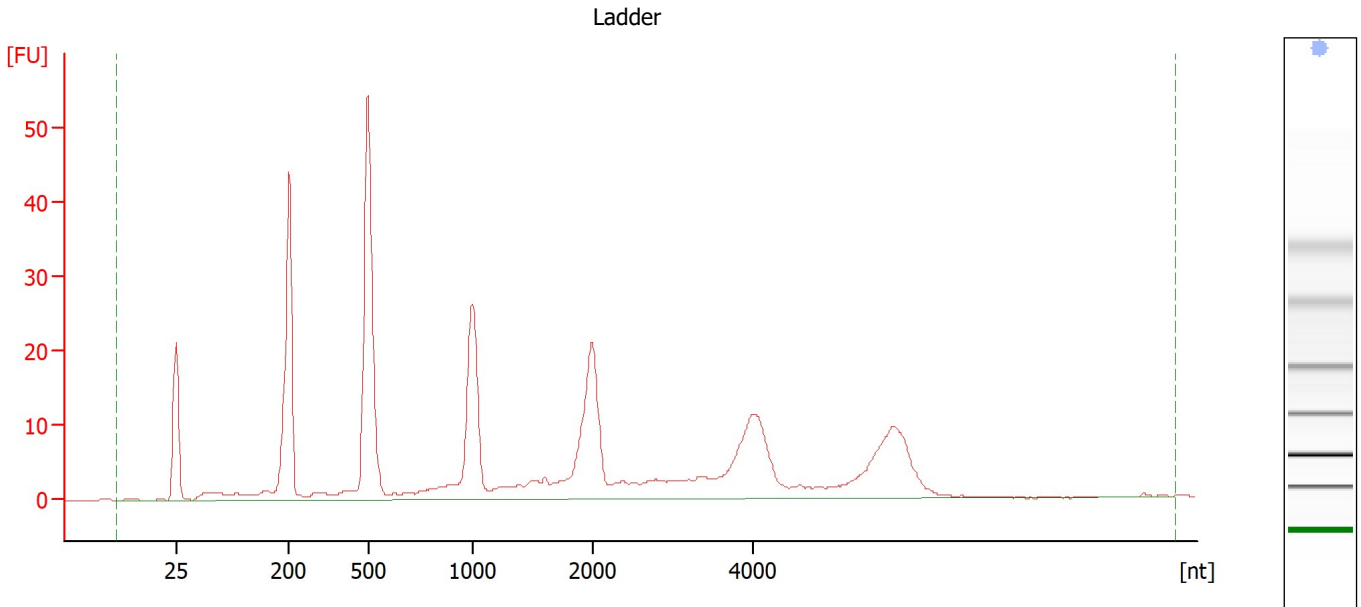
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 PM

Electropherogram Summary



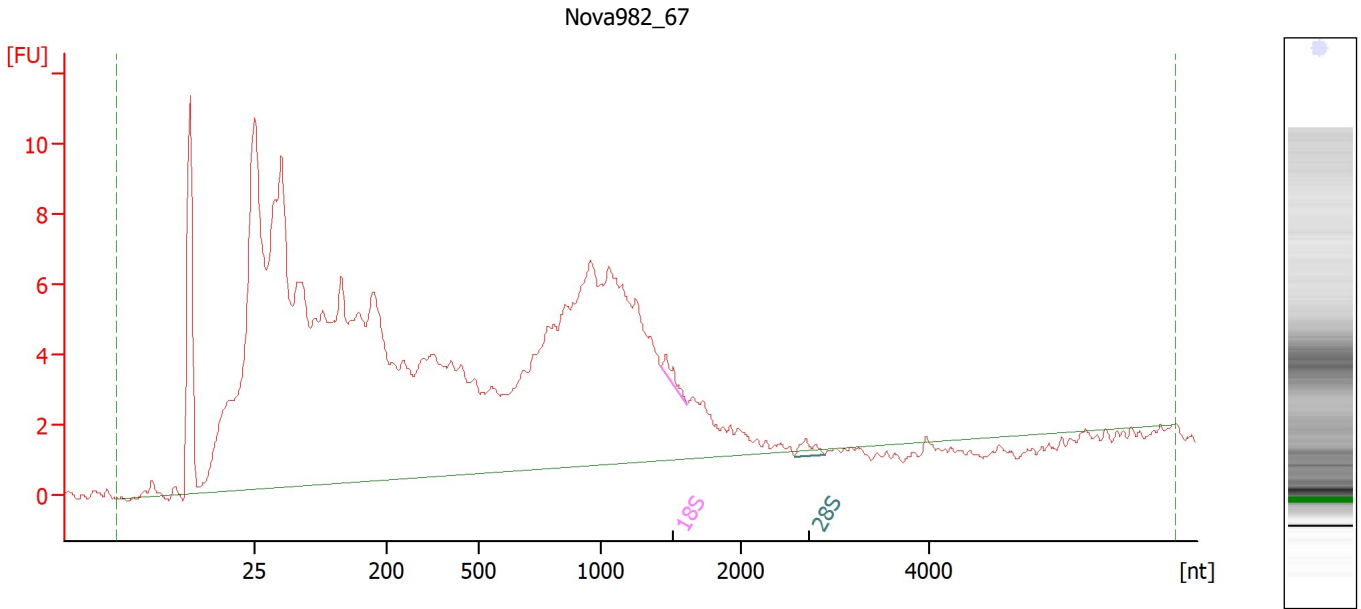
Overall Results for Ladder

RNA Area:	384.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
 Modified: 10/13/2023 5:02:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova982_67

RNA Area:	253.8	RNA Integrity Number (RIN):	2.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	660 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 2.30

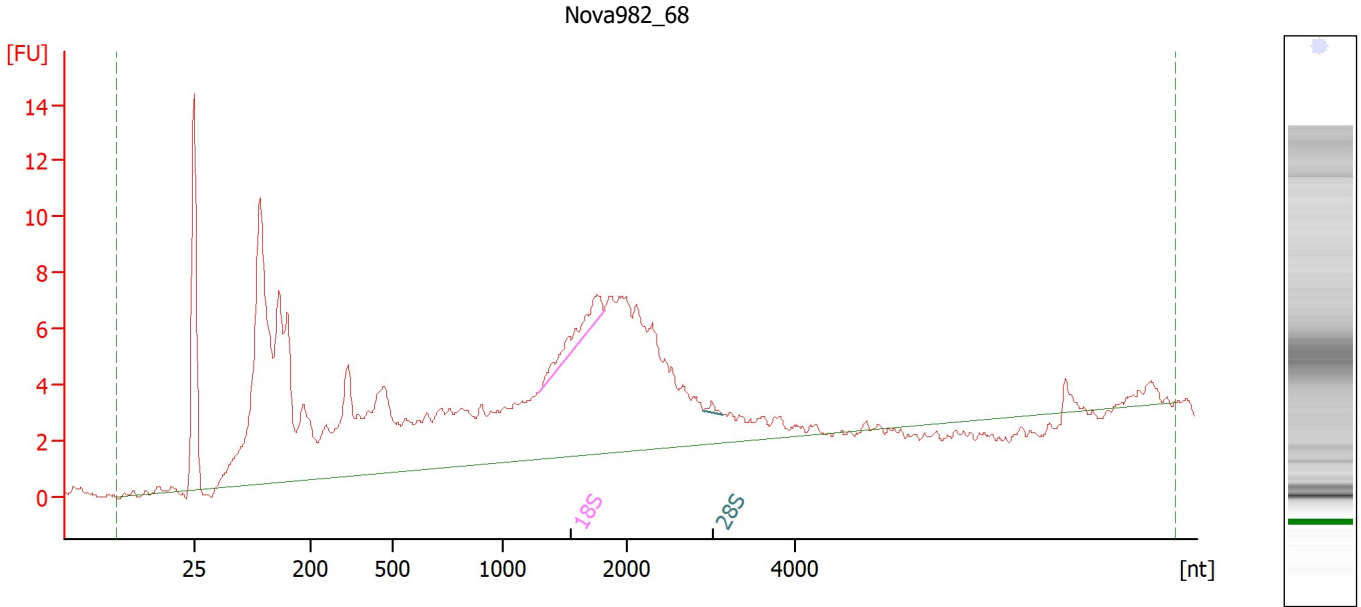
Fragment table for sample 3 : Nova982_67

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,426	1,618	0.7	0.3
28S	2,569	2,887	0.7	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova982_68

RNA Area:	205.3	RNA Integrity Number (RIN):	2.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	534 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.70

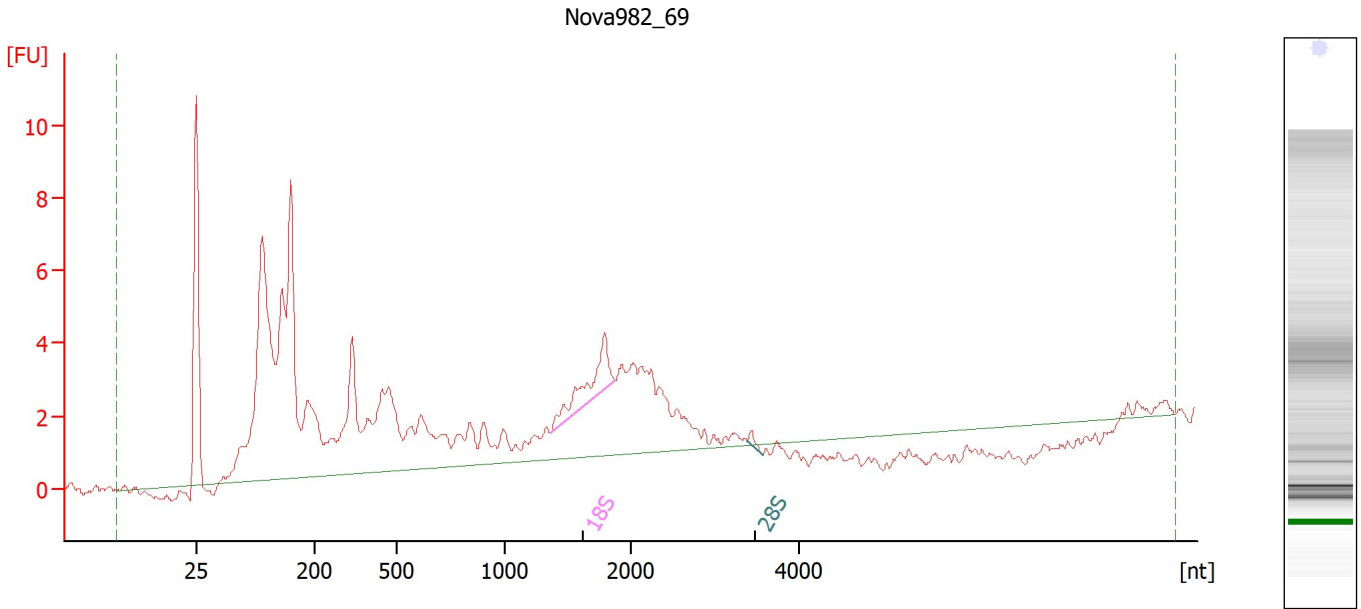
Fragment table for sample 4 : Nova982_68

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,287	1,820	3.5	1.7
28S	2,919	3,162	0.3	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova982_69

RNA Area: 112.3 RNA Integrity Number (RIN): 2.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration: 292 pg/μl
rRNA Ratio [28s / 18s]: 0.1
Result Flagging Color:
Result Flagging Label: RIN: 2.90

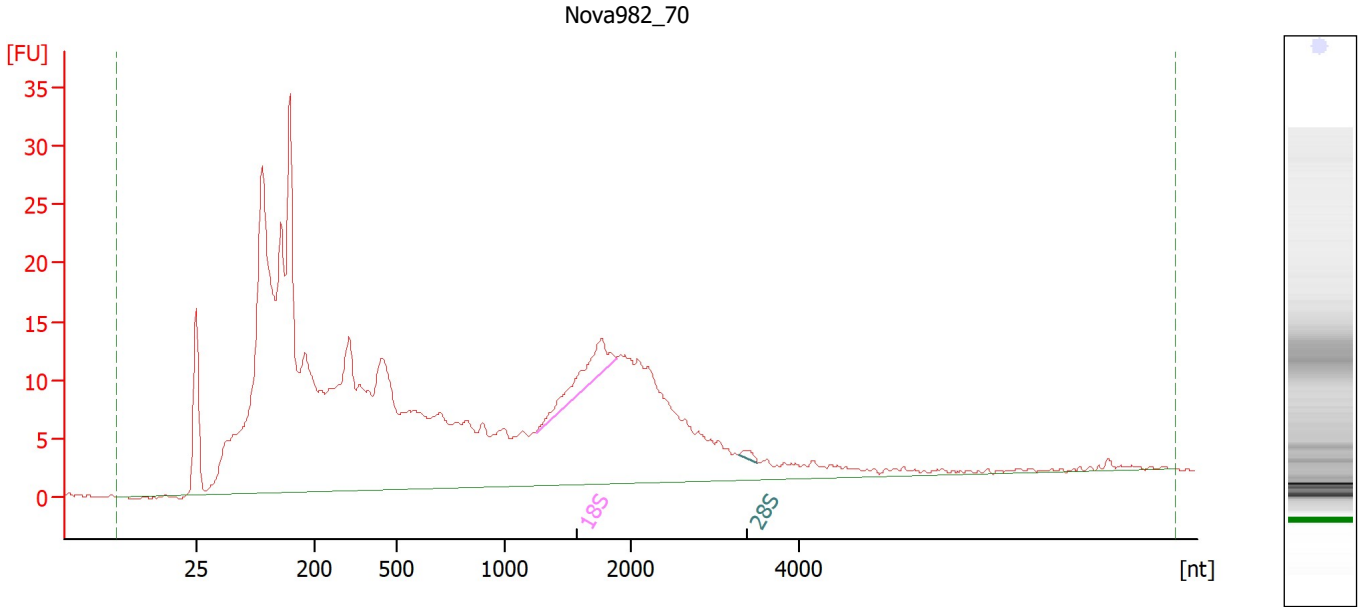
Fragment table for sample 5 : Nova982_69

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,360	1,874	3.9	3.5
28S	3,389	3,566	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova982_70

RNA Area:	623.8	RNA Integrity Number (RIN):	2.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,621 pg/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.60

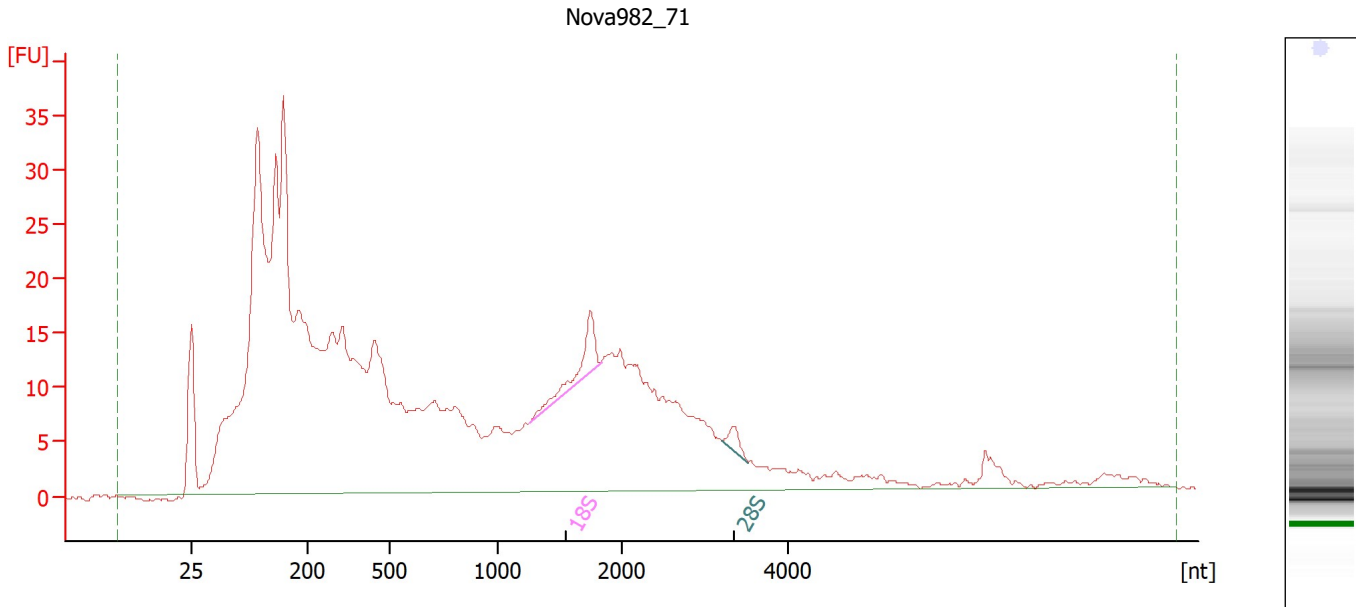
Fragment table for sample 6 : Nova982_70

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,240	1,883	10.8	1.7
28S	3,287	3,503	1.0	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
 Modified: 10/13/2023 5:02:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova982_71

RNA Area:	830.3	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	2,158 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 2.60

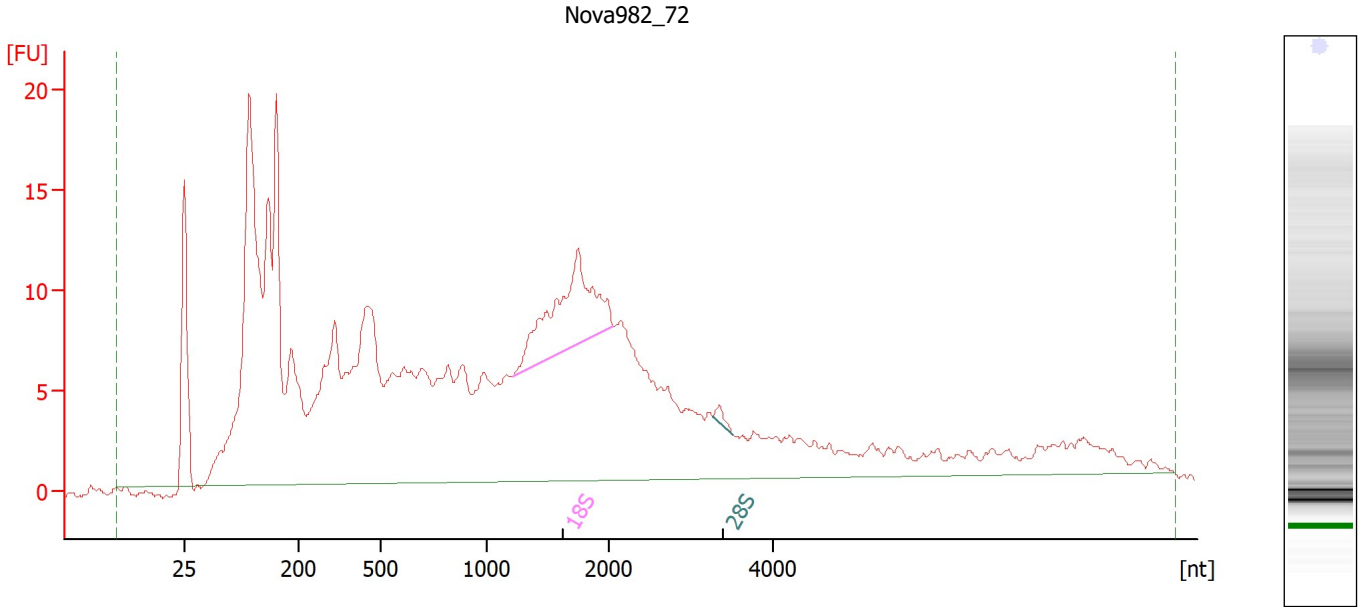
Fragment table for sample 7 : Nova982_71

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,253	1,833	10.0	1.2
28S	3,216	3,524	2.7	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
 Modified: 10/13/2023 5:02:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova982_72

RNA Area:	494.8	RNA Integrity Number (RIN):	3.2 (B.02.10)
RNA Concentration:	1,286 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.20

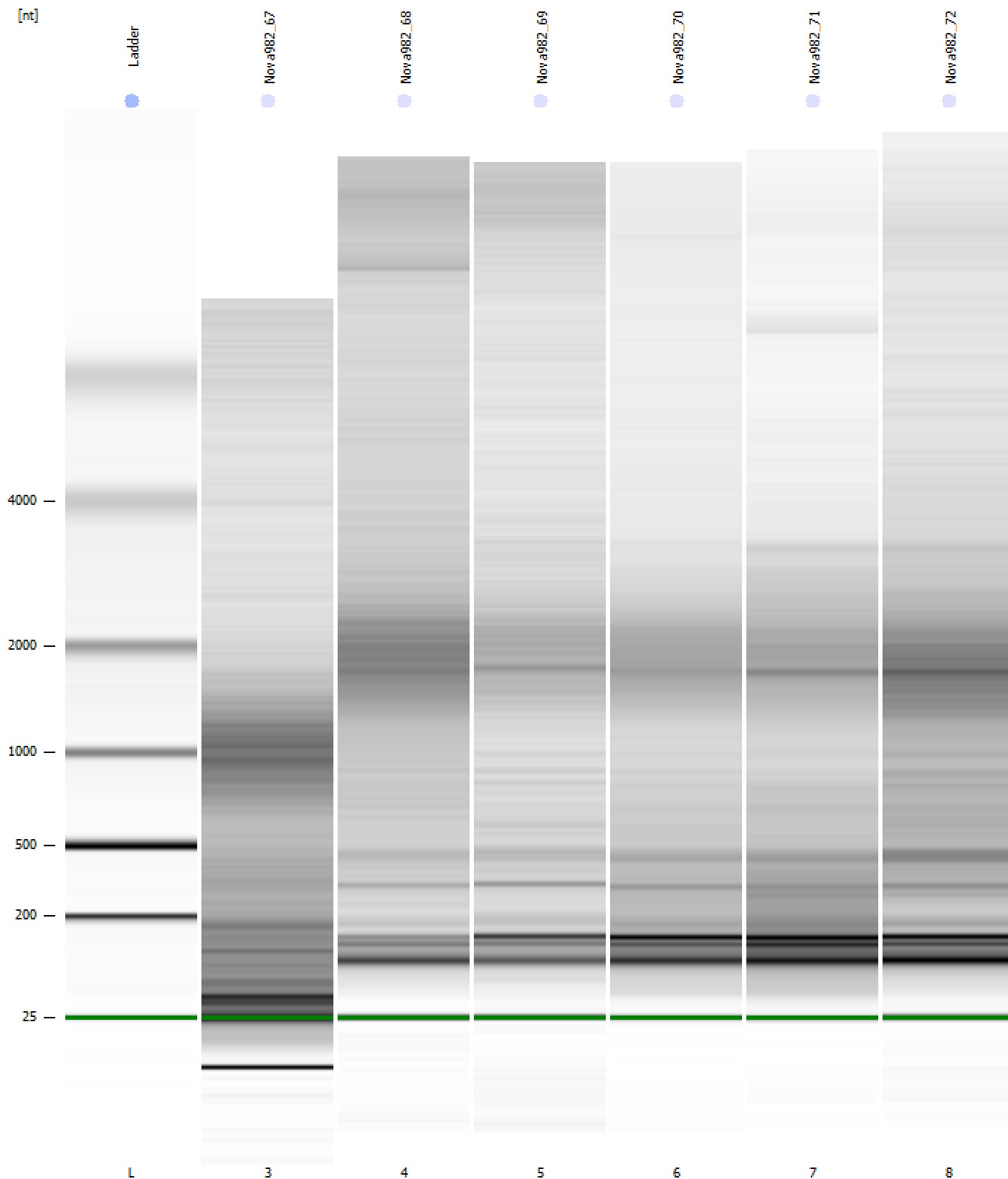
Fragment table for sample 8 : Nova982_72

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,219	2,064	24.4	4.9
28S	3,274	3,509	0.8	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 PM

Gel Image

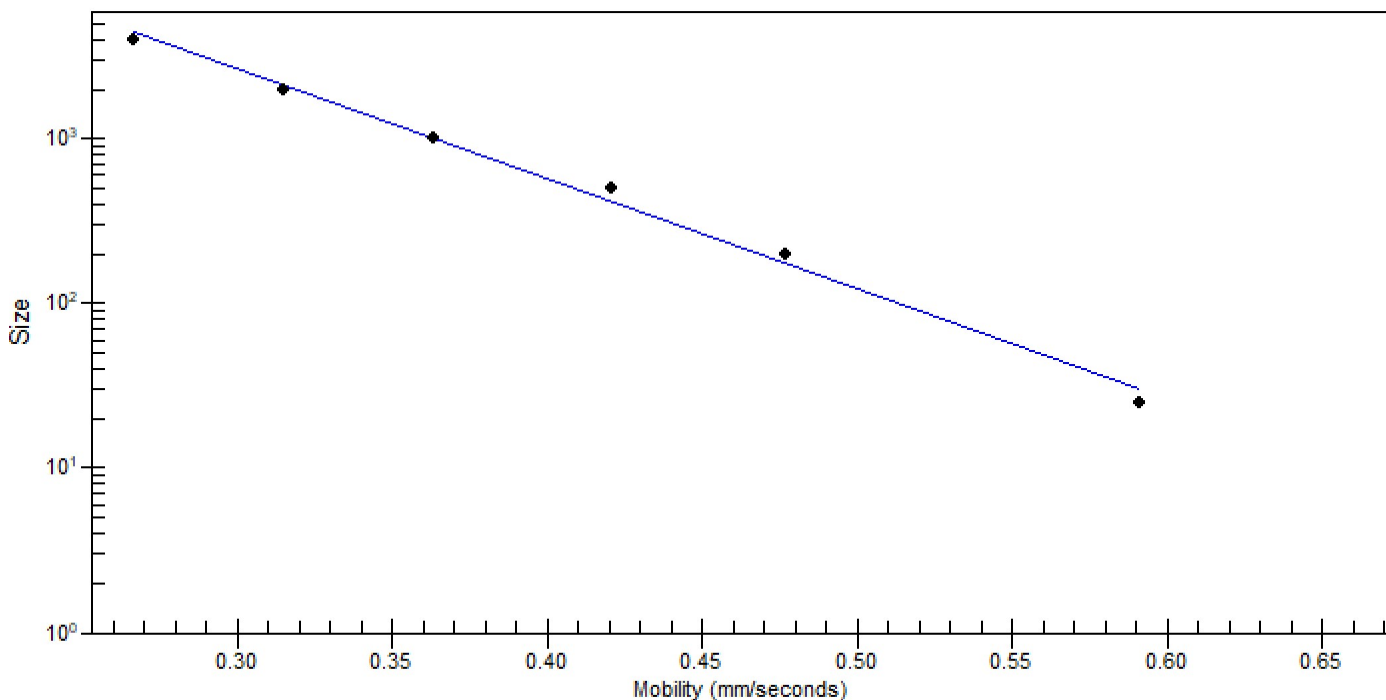


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
Modified: 10/13/2023 5:02:00 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2023-10-13\Nova982_67-72.xad

Created: 10/13/2023 4:12:38 PM
 Modified: 10/13/2023 5:02:00 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		10/13/2023 4:35:37 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\2023-10-13\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-13_001.xad)		Instrument	Run		10/13/2023 4:12:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/13/2023 4:12:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/13/2023 4:12:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/13/2023 4:12:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/13/2023 4:12:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/13/2023 4:12:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/13/2023 4:12:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB