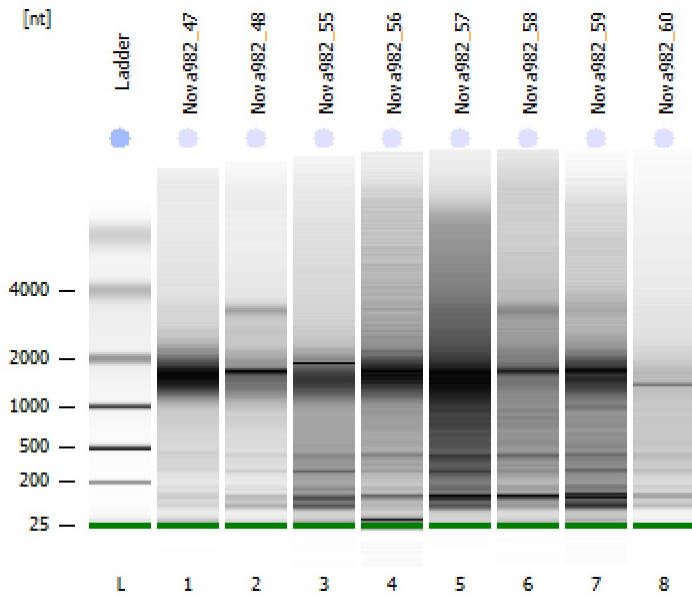


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
Modified: 10/20/2023 5:11:28 PM

Electrophoresis File Run Summary



Instrument Information:

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

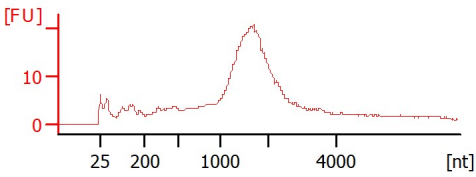
Assay Information:

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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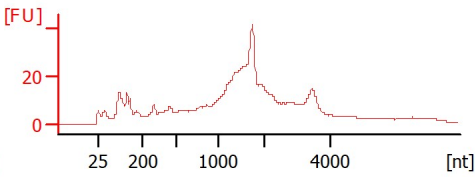
Chip Information:

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

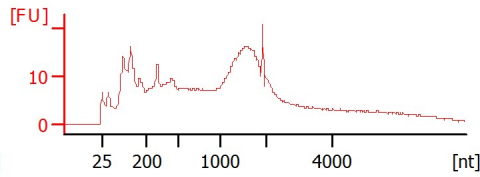
Nova982_47
RIN: 8.20



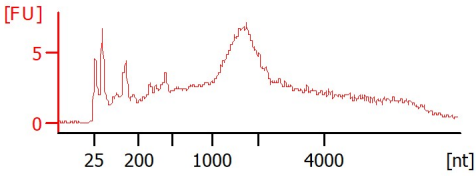
Nova982_48
RIN: 7.70



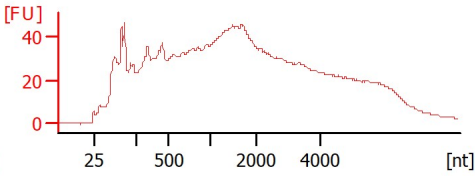
Nova982_55
RIN: 4.10



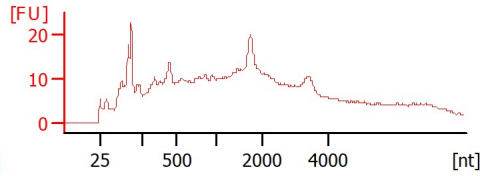
Nova982_56
RIN: 4.90



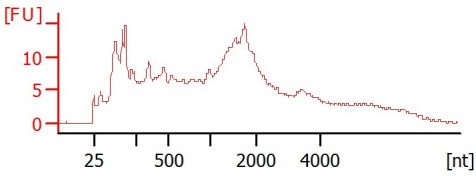
Nova982_57
RIN: 2.30



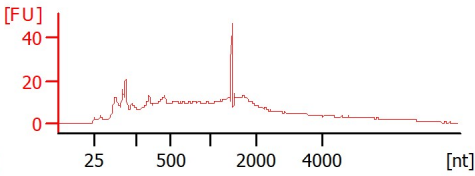
Nova982_58
RIN: 3.40



Nova982_59
RIN: 2.60



Nova982_60
RIN: 3.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova982_47		✓	RIN: 8.20	
Nova982_48		✓	RIN: 7.70	
Nova982_55		✓	RIN: 4.10	
Nova982_56		✓	RIN: 4.90	
Nova982_57		✓	RIN: 2.30	
Nova982_58		✓	RIN: 3.40	
Nova982_59		✓	RIN: 2.60	
Nova982_60		✓	RIN: 3.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
Modified: 10/20/2023 5:11:28 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

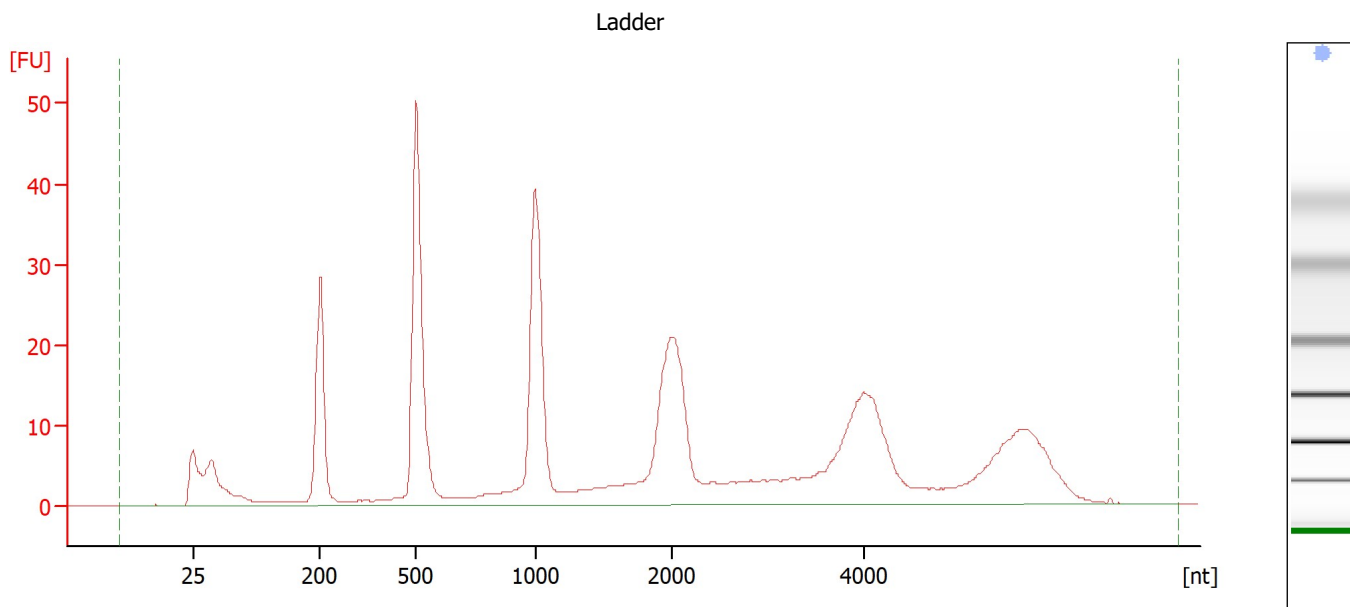
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary



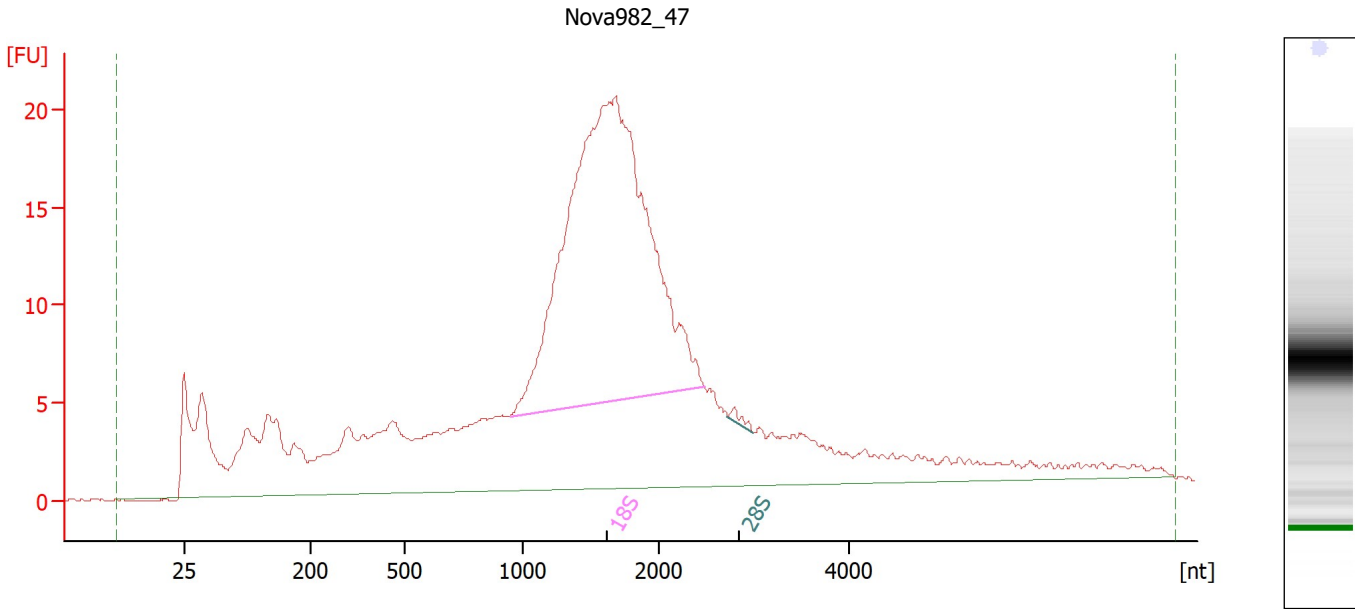
Overall Results for Ladder

RNA Area:	474.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova982_47

RNA Area:	468.2	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	987 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 8.20

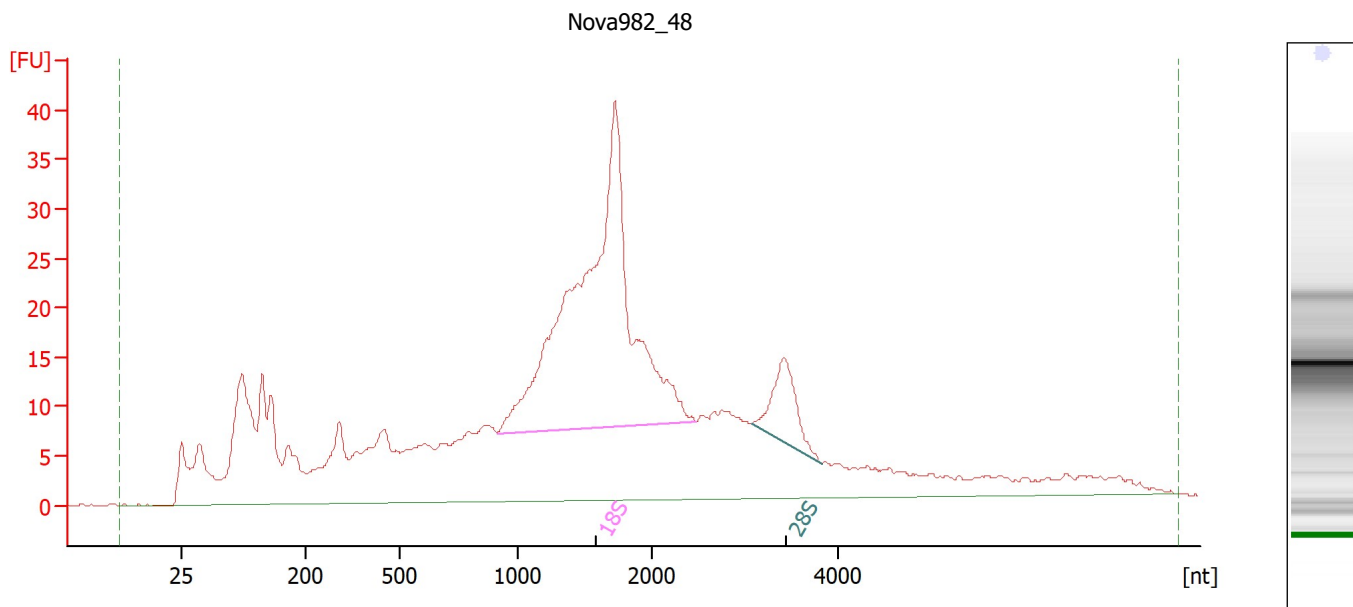
Fragment table for sample 1 : Nova982_47

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	943	2,484	165.2	35.3
28S	2,721	3,004	0.9	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova982_48

RNA Area:	818.5	RNA Integrity Number (RIN):	7.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,725 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 7.70

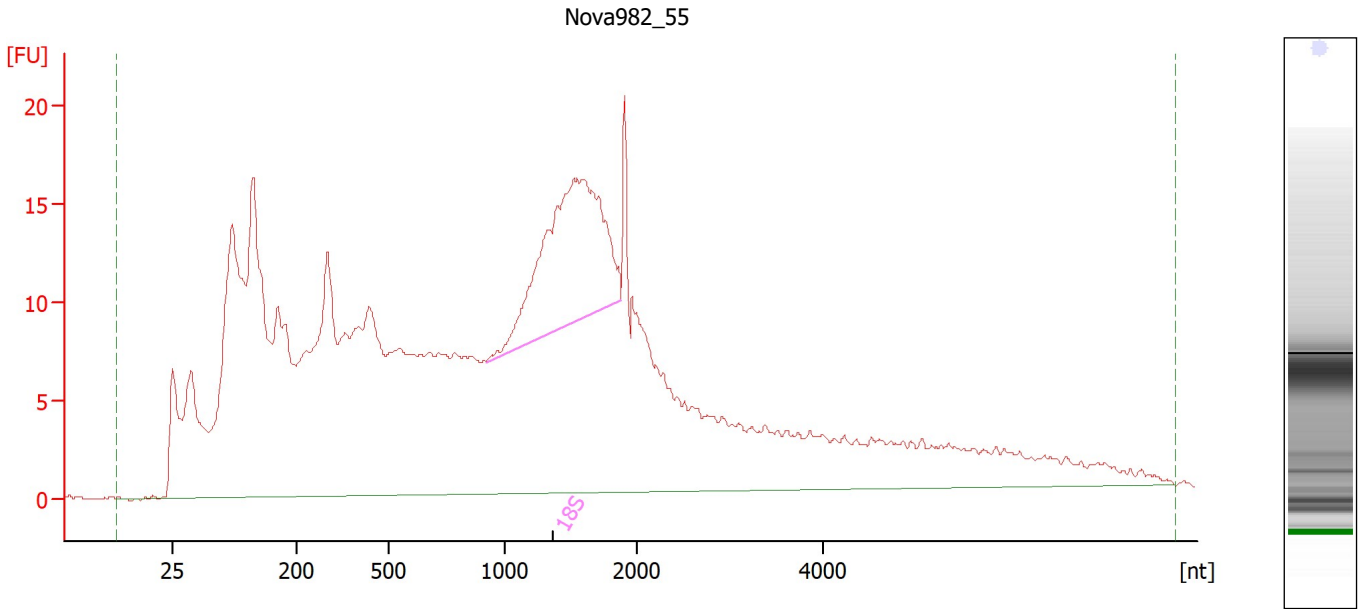
Fragment table for sample 2 : Nova982_48

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	913	2,477	210.1	25.7
28S	3,071	3,825	21.6	2.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova982_55

RNA Area:	716.9	RNA Integrity Number (RIN):	4.1 (B.02.10)
RNA Concentration:	1,511 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.10

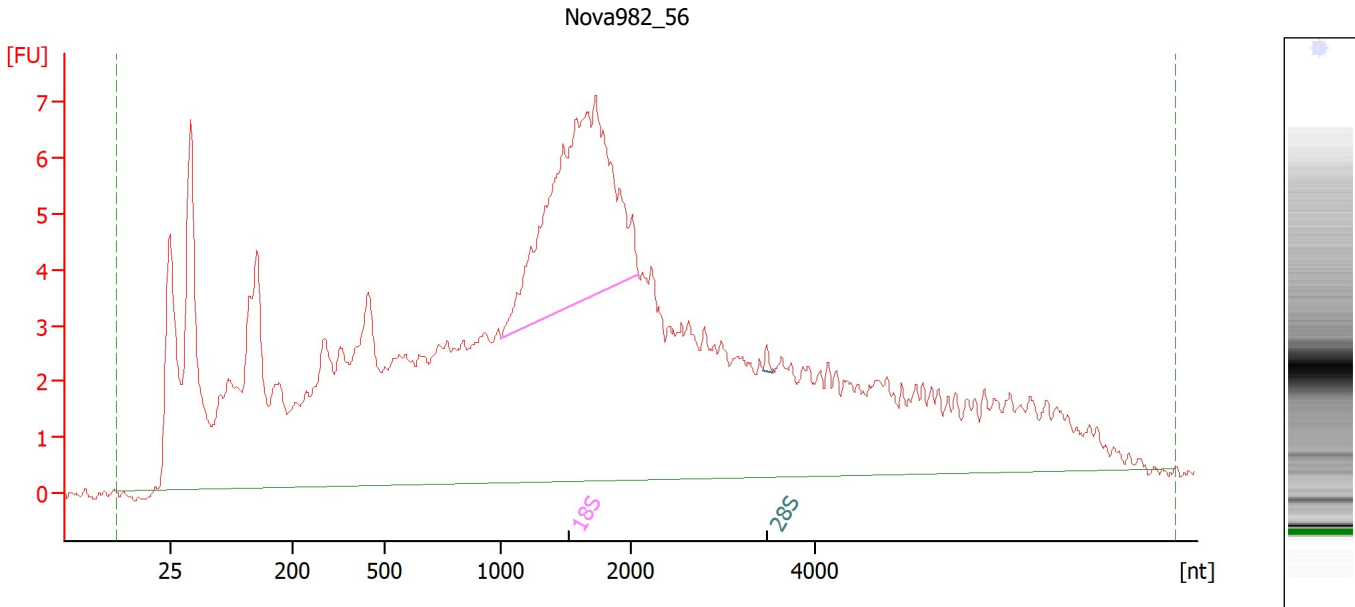
Fragment table for sample 3 : Nova982_55

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	919	1,876	59.7	8.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova982_56

RNA Area:	267.8	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	565 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.90

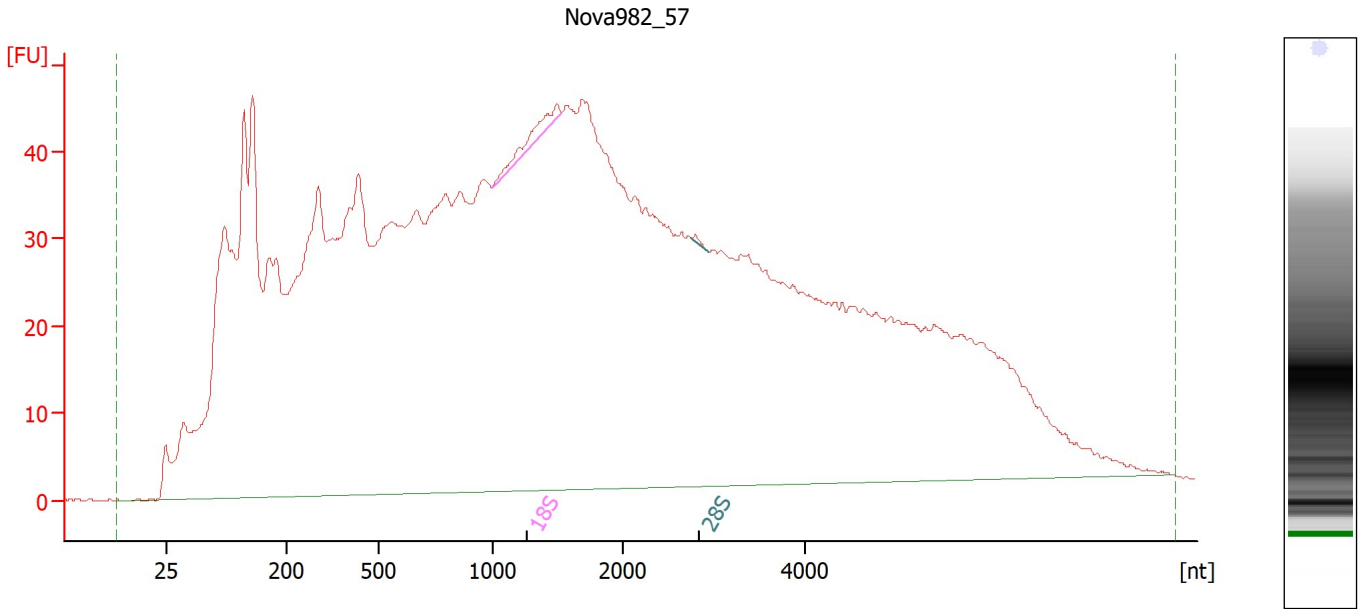
Fragment table for sample 4 : Nova982_56

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,013	2,077	29.7	11.1
28S	3,438	3,531	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova982_57

RNA Area:	2,870.8	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	6,051 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.30

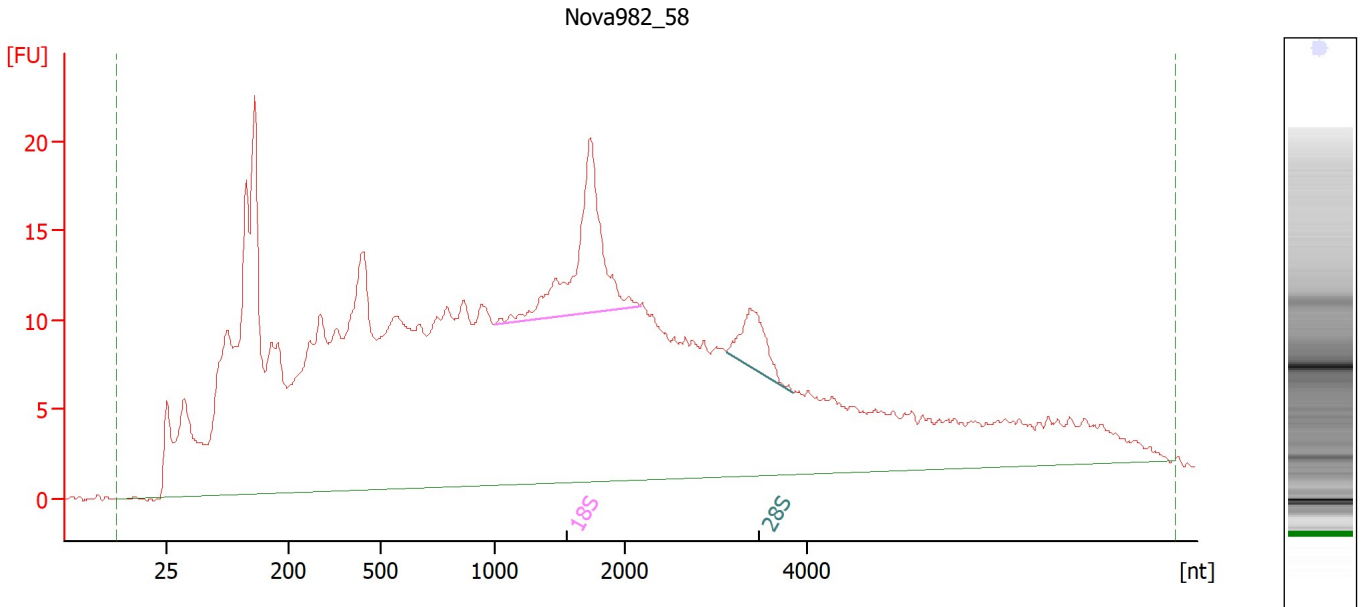
Fragment table for sample 5 : Nova982_57

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	997	1,528	8.6	0.3
28S	2,757	2,945	0.5	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...analyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova982_58

RNA Area:	819.9	RNA Integrity Number (RIN):	3.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,728 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 3.40

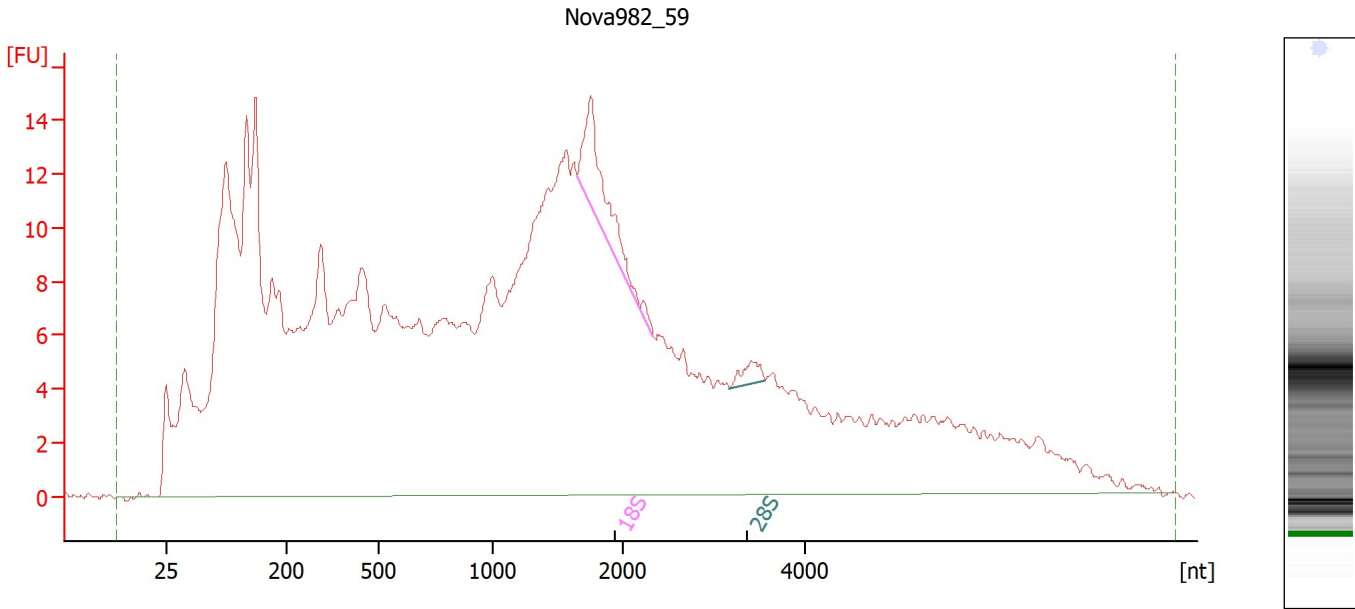
Fragment table for sample 6 : Nova982_58

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,005	2,170	32.7	4.0
28S	3,107	3,833	9.3	1.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova982_59

RNA Area:	669.8	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,412 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.60

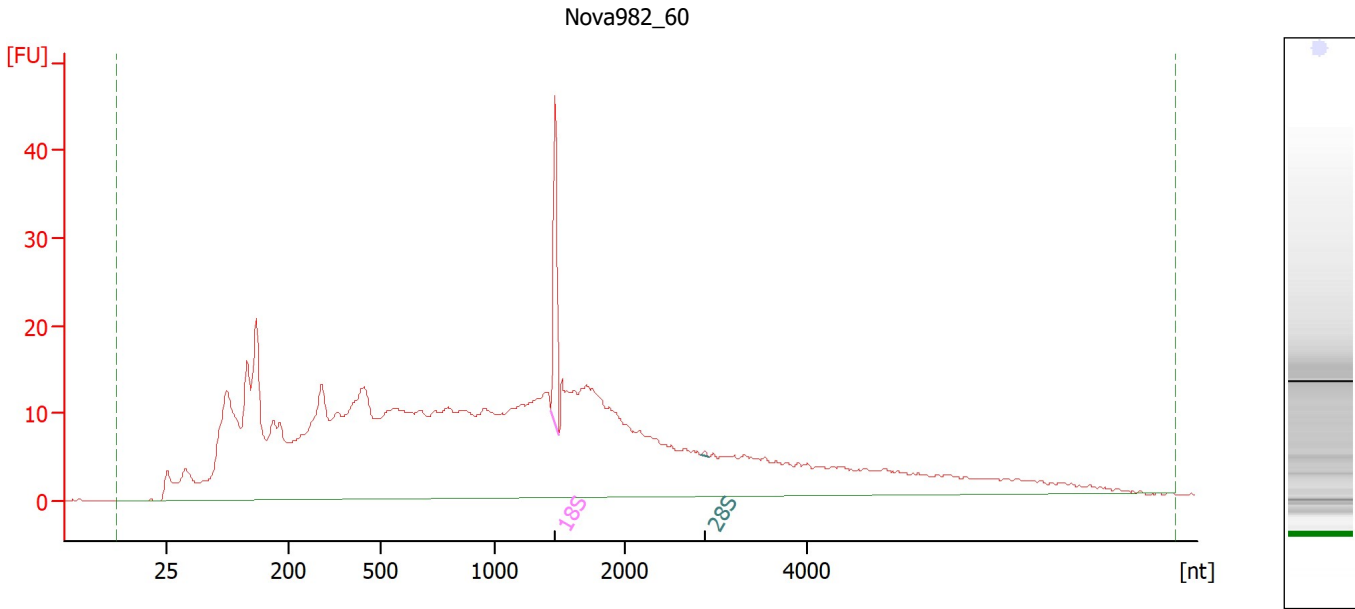
Fragment table for sample 7 : Nova982_59

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	2,335	10.4	1.6
28S	3,168	3,567	1.8	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova982_60

RNA Area:	776.5	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	1,637 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

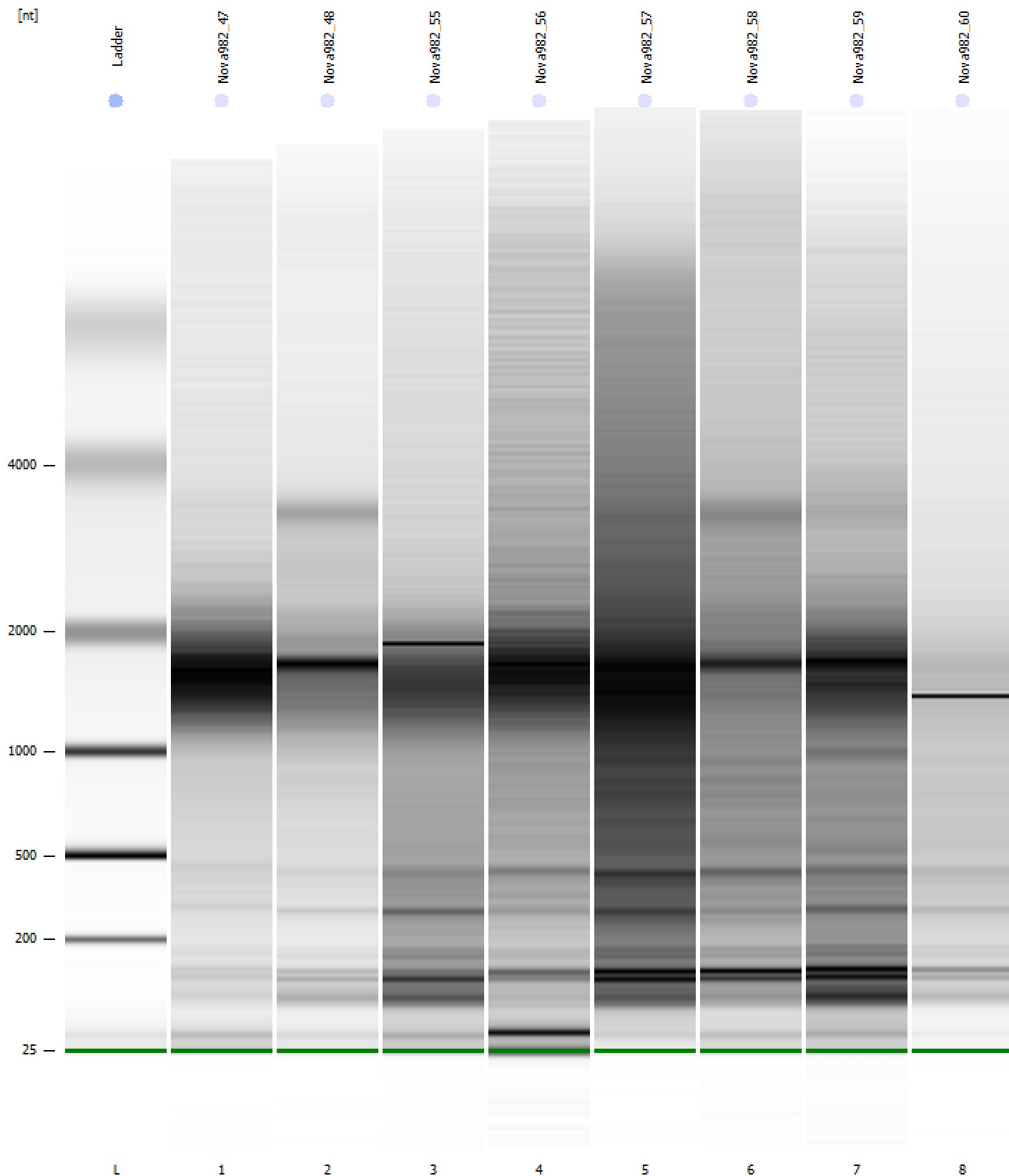
Fragment table for sample 8 : Nova982_60

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,431	1,497	19.7	2.5
28S	2,826	2,920	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
Modified: 10/20/2023 5:11:28 PM

Gel Image

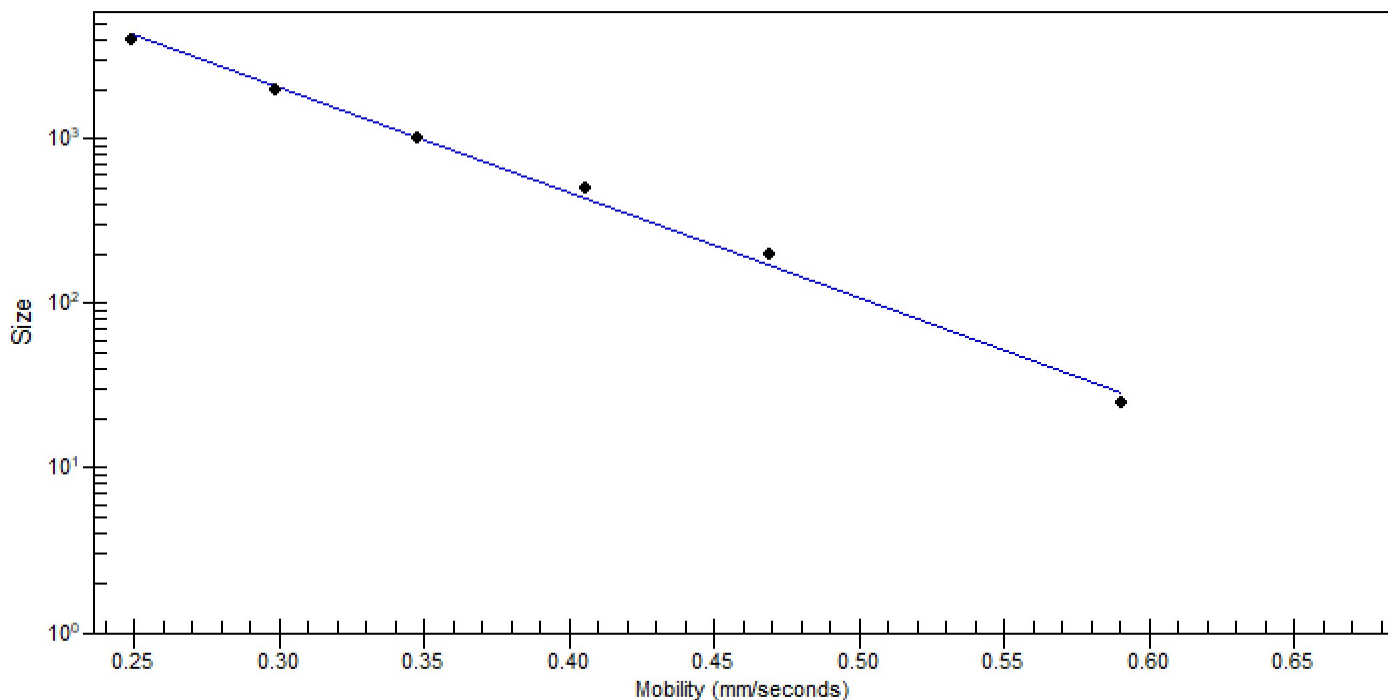


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad

Created: 10/20/2023 4:24:44 PM
Modified: 10/20/2023 5:11:28 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2023-10-20\Nova982_47-48_55-60.xad
 Created: 10/20/2023 4:24:44 PM
 Modified: 10/20/2023 5:11:28 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		10/20/2023 4:47:42 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\2023-10-20\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_003.xad)		Instrument	Run		10/20/2023 4:24:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/20/2023 4:24:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/20/2023 4:24:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/20/2023 4:24:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/20/2023 4:24:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/20/2023 4:24:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/20/2023 4:24:51 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB