

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
Modified: 10/20/2023 3:44:30 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)

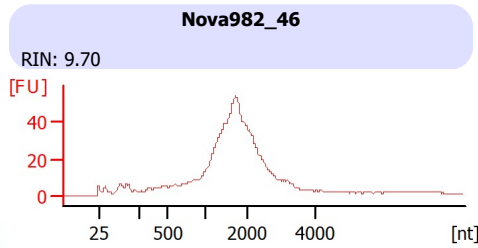
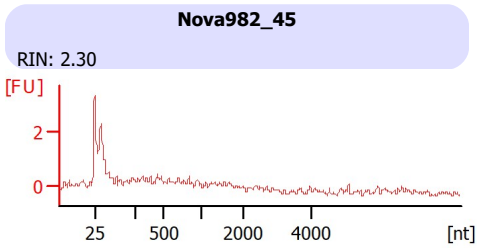
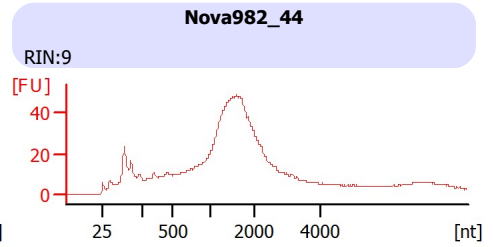
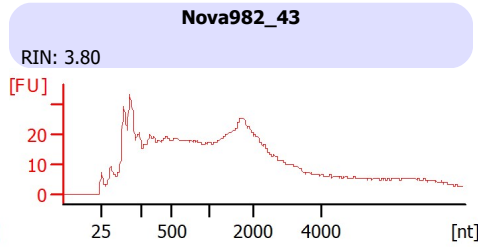
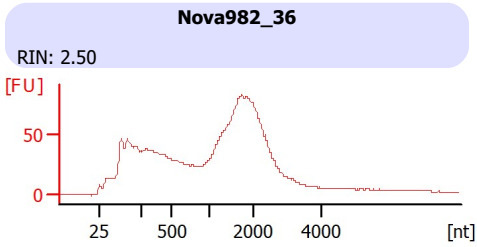
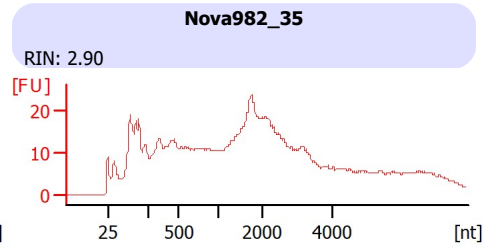
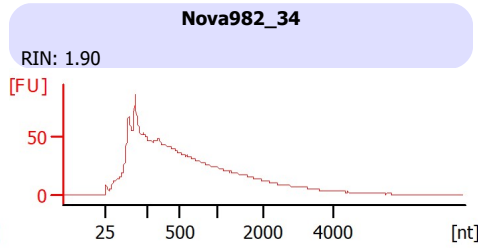
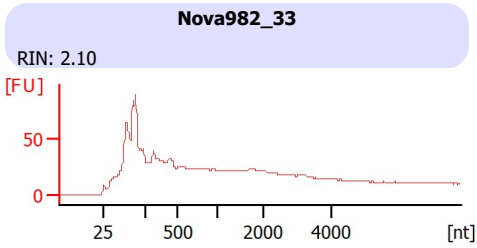
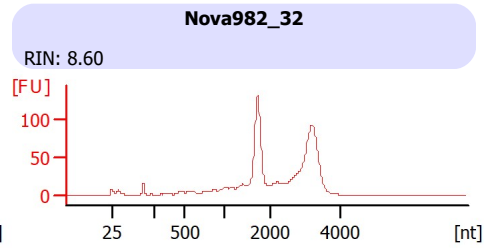
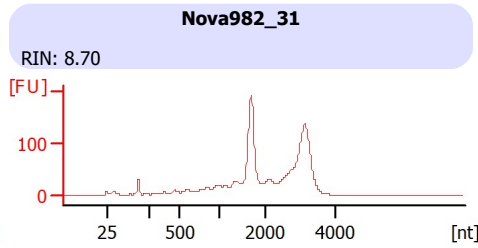
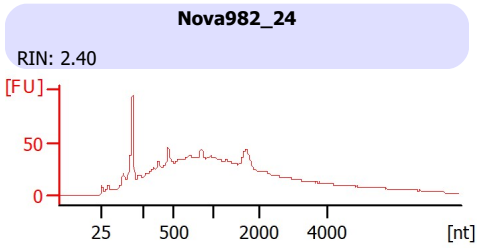
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
Nova982_24		✓ RIN: 2.40	
Nova982_31		✓ RIN: 8.70	
Nova982_32		✓ RIN: 8.60	
Nova982_33		✓ RIN: 2.10	
Nova982_34		✓ RIN: 1.90	
Nova982_35		✓ RIN: 2.90	
Nova982_36		✓ RIN: 2.50	
Nova982_43		✓ RIN: 3.80	
Nova982_44		✓ RIN:9	
Nova982_45		✓ RIN: 2.30	
Nova982_46		✓ RIN: 9.70	
Ladder		✓ All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 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

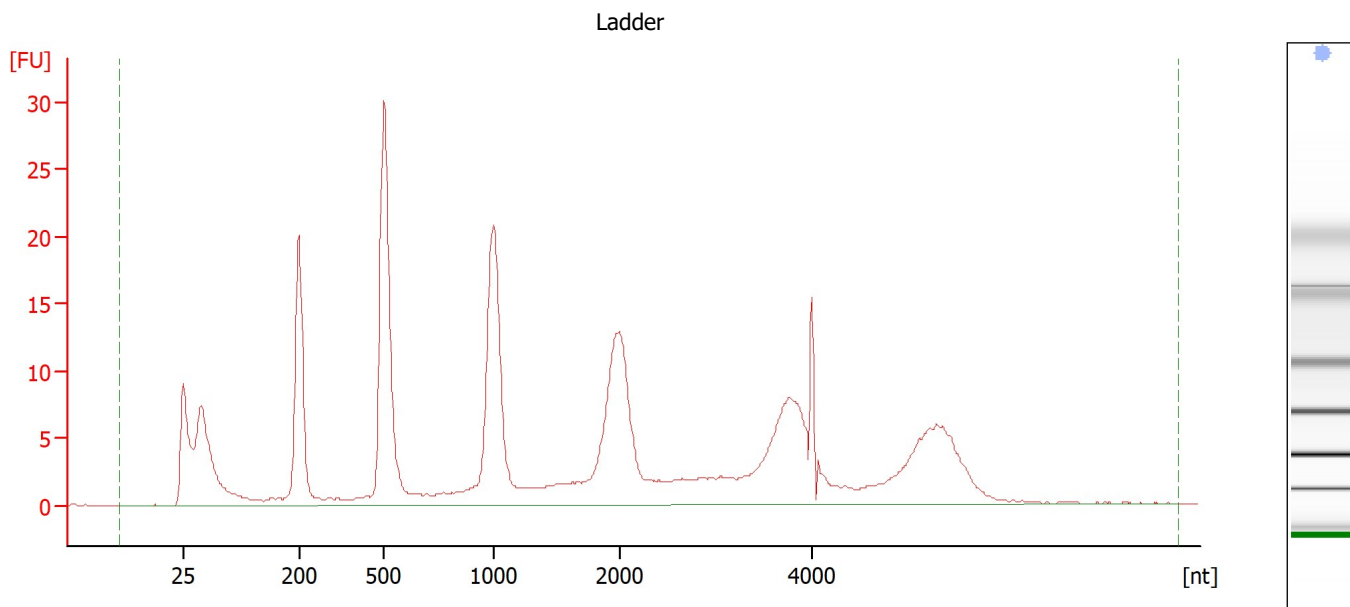
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary



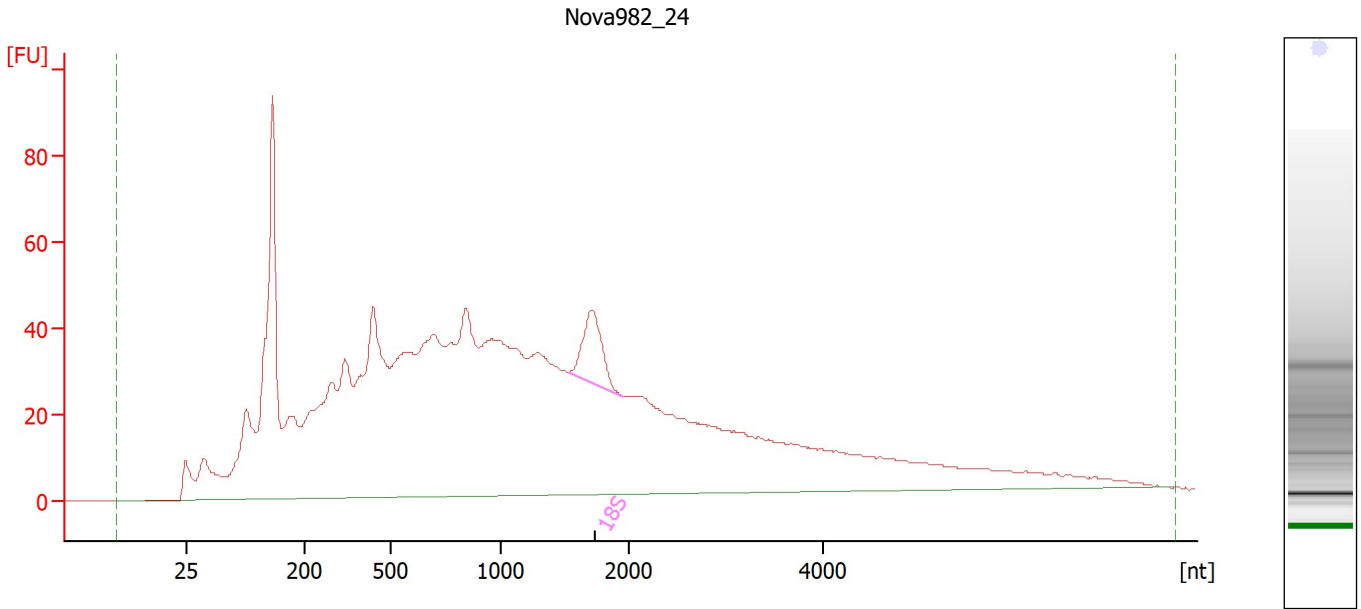
Overall Results for Ladder

RNA Area:	317.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova982_24

RNA Area:	2,156.4	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	6,800 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

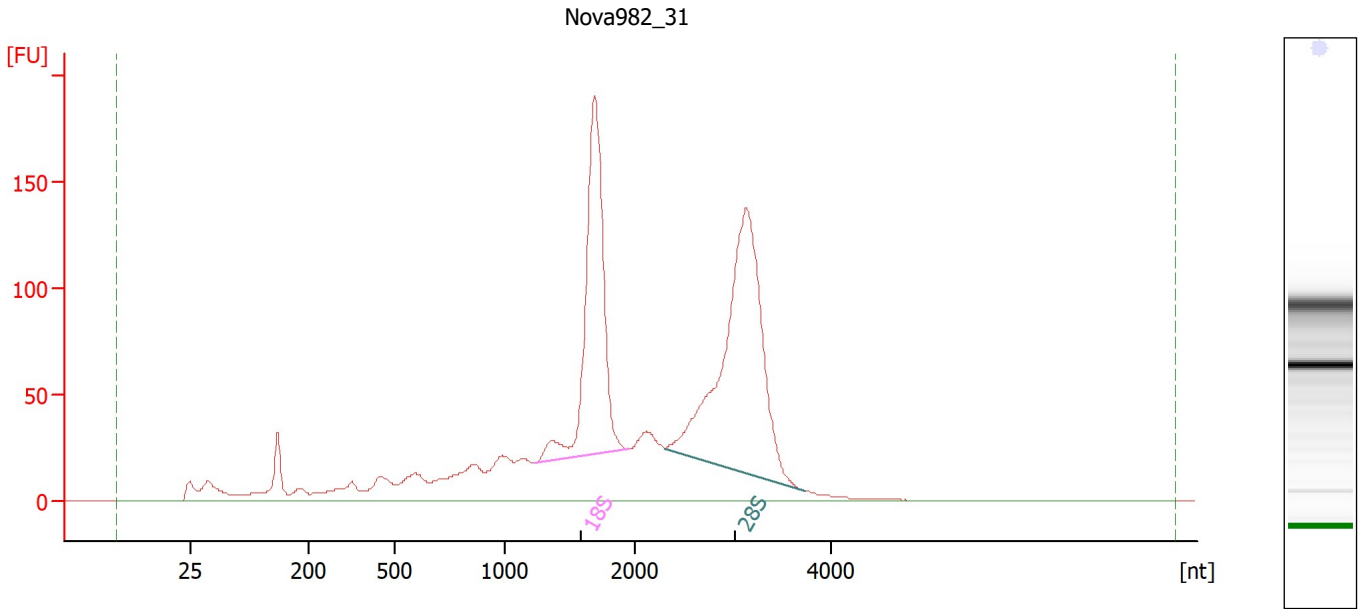
Fragment table for sample 1 : Nova982_24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	1,962	41.9	1.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova982_31

RNA Area:	1,938.2	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	6,112 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.70

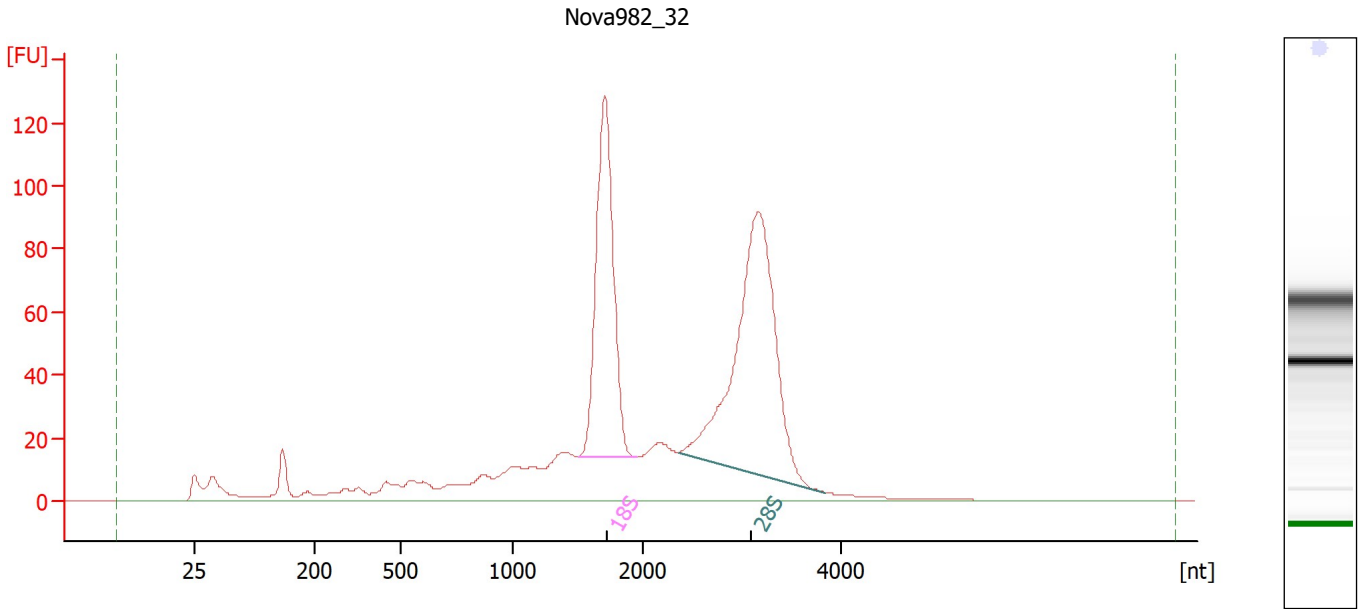
Fragment table for sample 2 : Nova982_31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,225	1,956	387.6	20.0
28S	2,313	3,740	531.8	27.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova982_32

RNA Area:	1,212.6	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	3,824 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.60

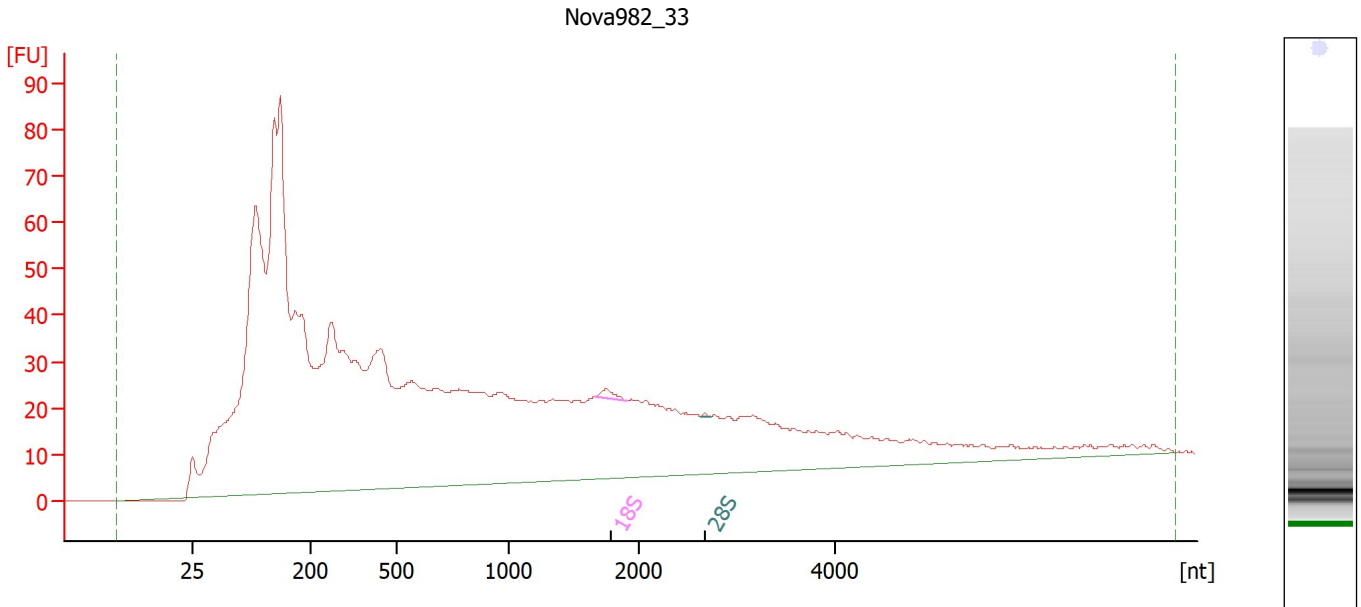
Fragment table for sample 3 : Nova982_32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,960	251.2	20.7
28S	2,358	3,848	361.3	29.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova982_33

RNA Area:	1,961.8	RNA Integrity Number (RIN):	2.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,186 pg/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.10

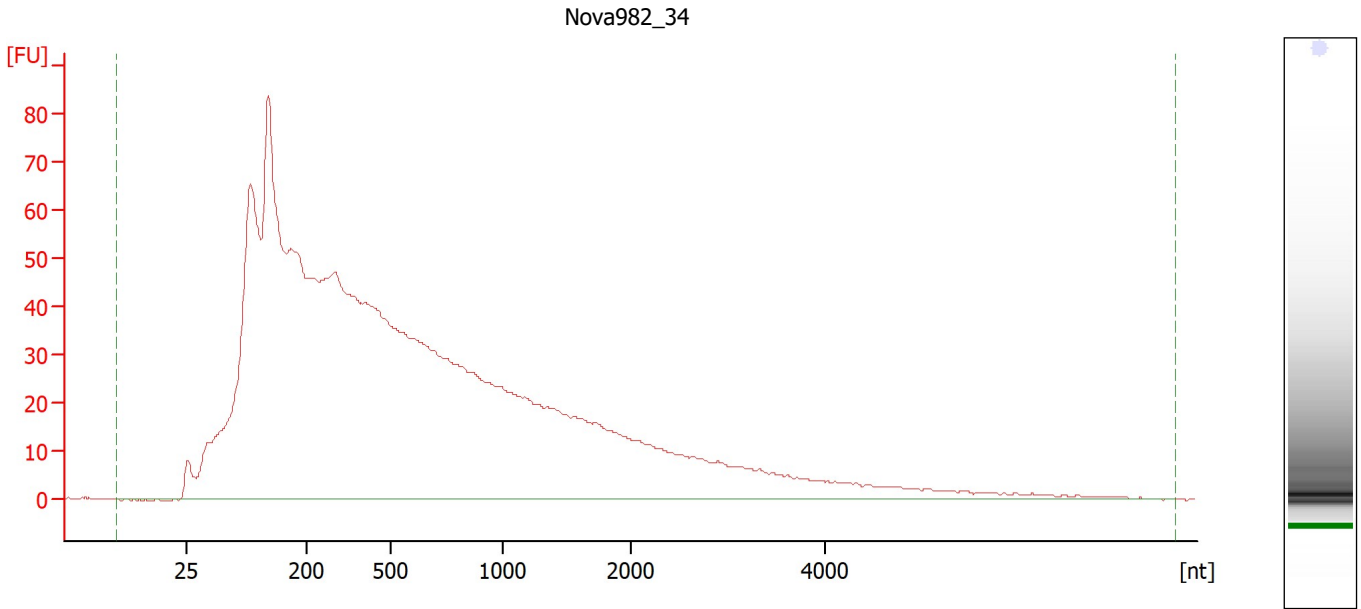
Fragment table for sample 4 : Nova982_33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	1,909	3.8	0.2
28S	2,639	2,726	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



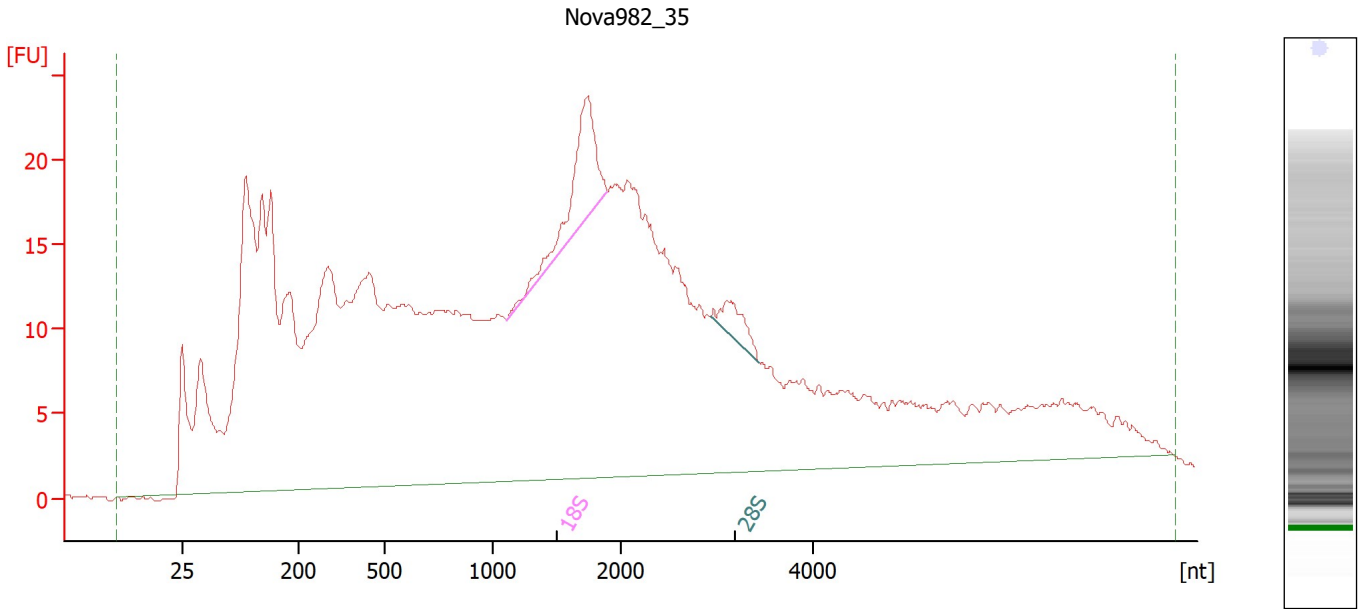
Overall Results for sample 5 : Nova982_34

RNA Area:	2,201.7	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	6,943 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova982_35

RNA Area:	989.9	RNA Integrity Number (RIN):	2.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,122 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 2.90

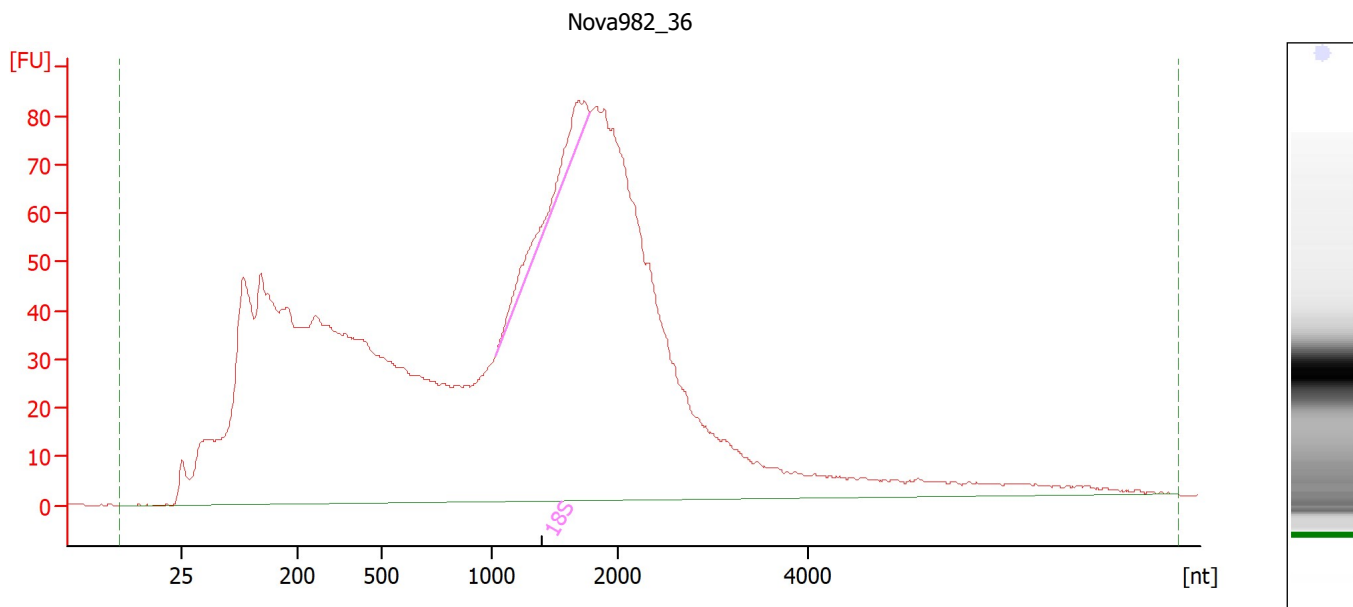
Fragment table for sample 6 : Nova982_35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,107	1,900	21.9	2.2
28S	2,931	3,428	6.1	0.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova982_36

RNA Area:	2,840.0	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	8,956 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

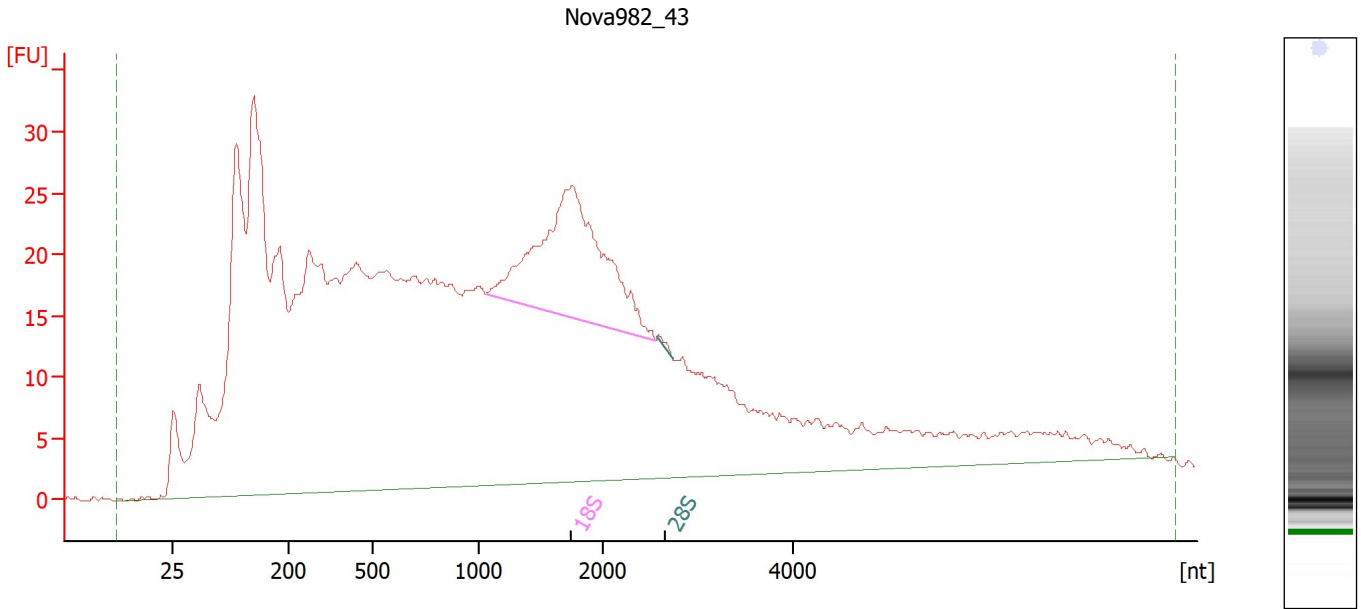
Fragment table for sample 7 : Nova982_36

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,030	1,786	40.2	1.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova982_43

RNA Area:	1,329.6	RNA Integrity Number (RIN):	3.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,193 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.80

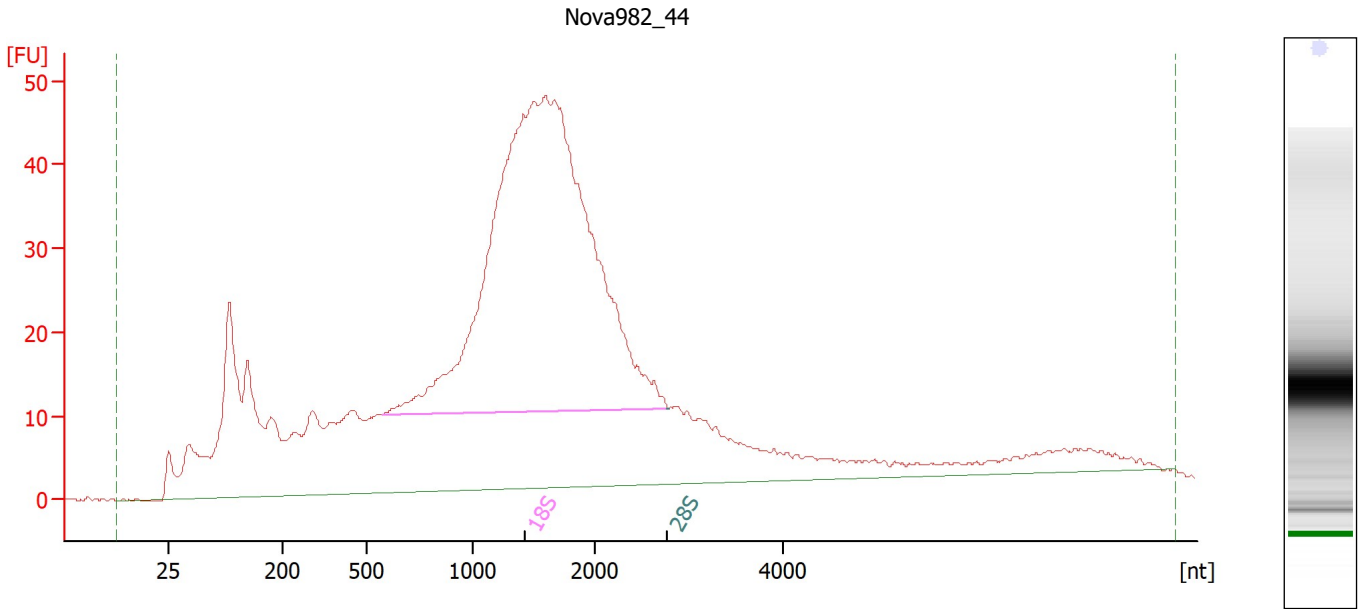
Fragment table for sample 8 : Nova982_43

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,059	2,545	92.2	6.9
28S	2,568	2,725	0.4	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova982_44

RNA Area:	1,287.4	RNA Integrity Number (RIN):	9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,060 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:9

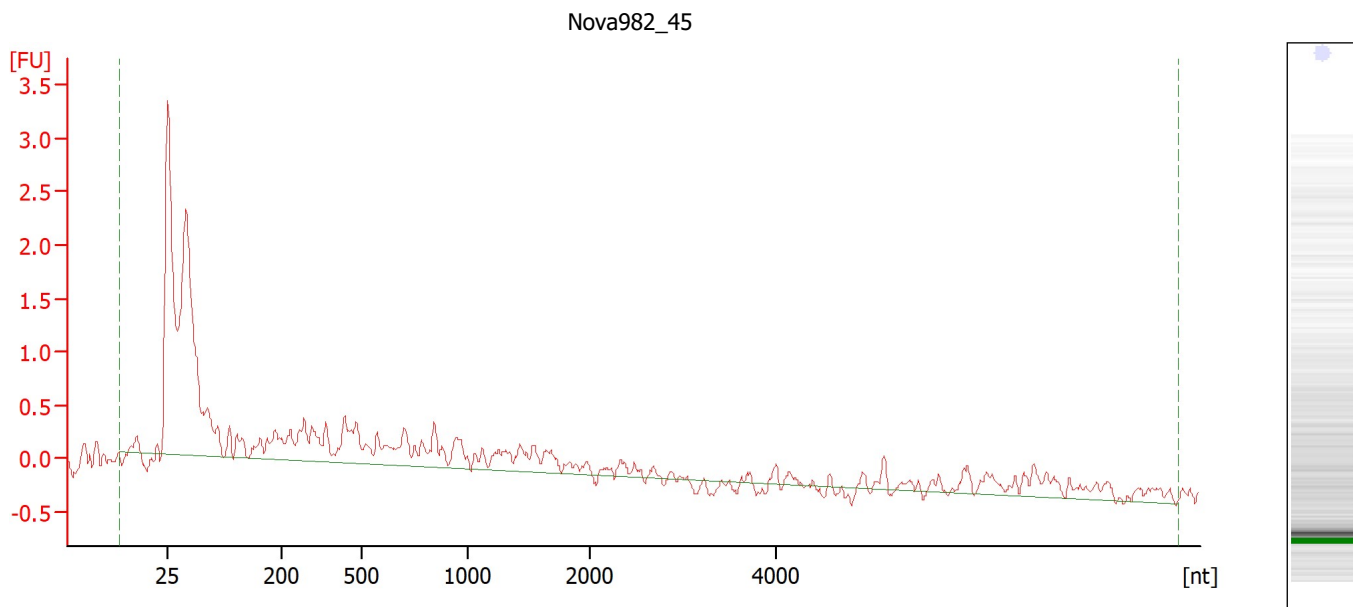
Fragment table for sample 9 : Nova982_44

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	581	2,762	526.3	40.9
28S	2,785	2,762	0.0	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



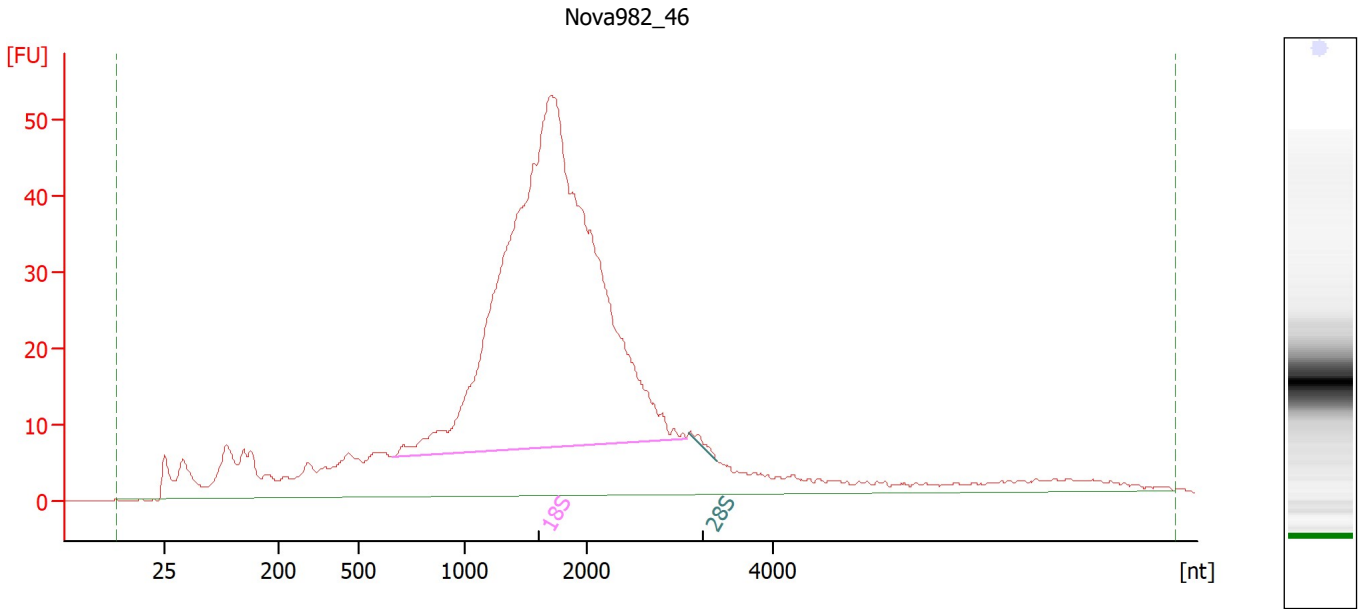
Overall Results for sample 10 : Nova982_45

RNA Area:	21.2	RNA Integrity Number (RIN):	2.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	67 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova982_46

RNA Area:	1,021.2	RNA Integrity Number (RIN):	9.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,220 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.70

Fragment table for sample 11 : Nova982_46

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	661	3,063	566.9	55.5
28S	3,086	3,395	1.8	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
Modified: 10/20/2023 3:44:30 PM

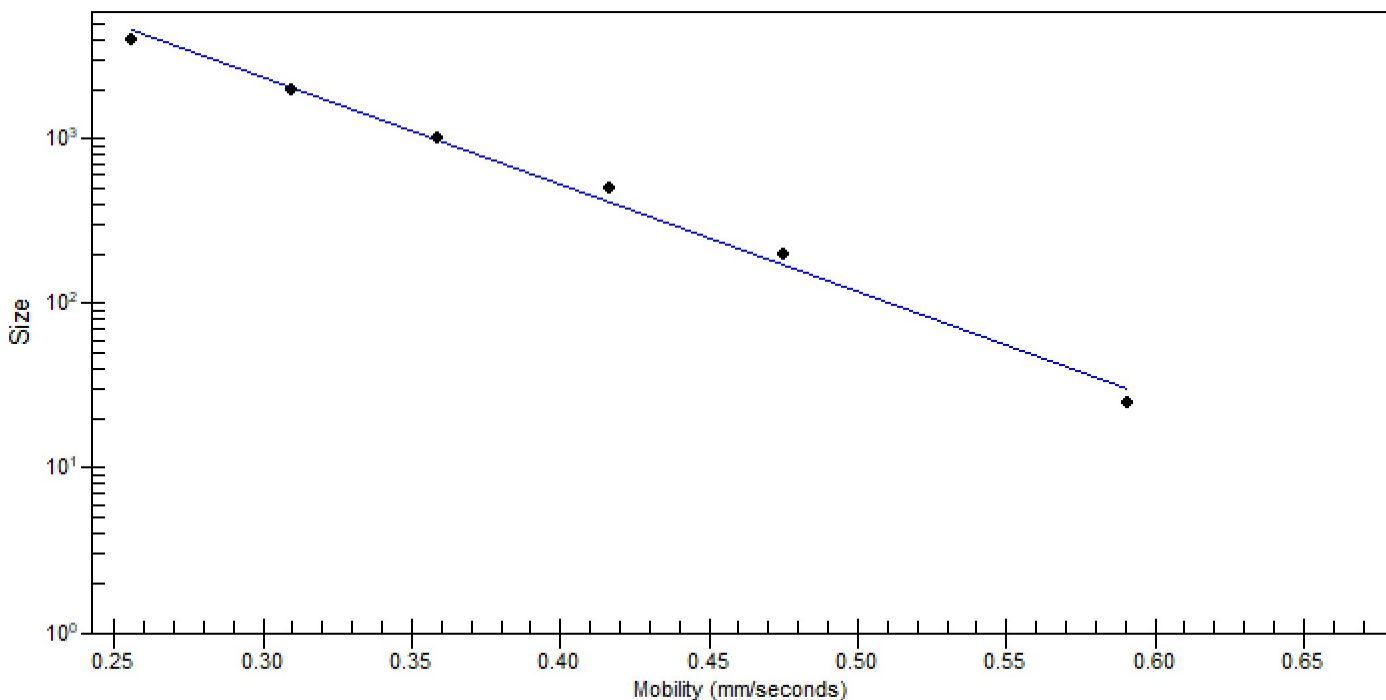
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
Modified: 10/20/2023 3:44:30 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_002.xad

Created: 10/20/2023 2:57:14 PM
 Modified: 10/20/2023 3:44:30 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 3:19:15 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_002.xad)		Instrument	Run		10/20/2023 2:57:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/20/2023 2:57:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/20/2023 2:57:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/20/2023 2:57:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/20/2023 2:57:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/20/2023 2:57:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/20/2023 2:57:19 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB