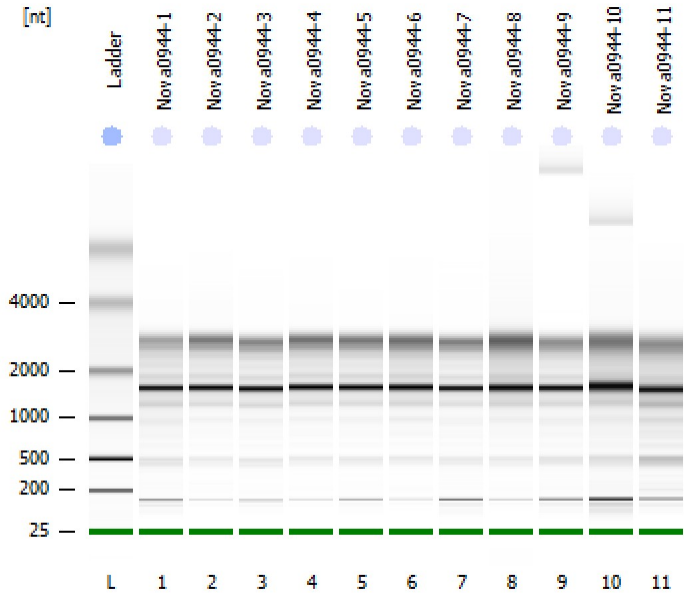


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
Modified: 8/21/2023 4:13:09 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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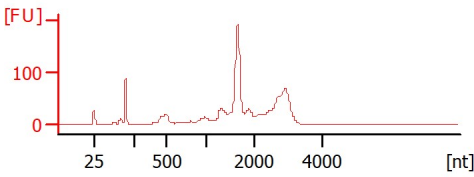
Chip Information:

Chip Lot #:

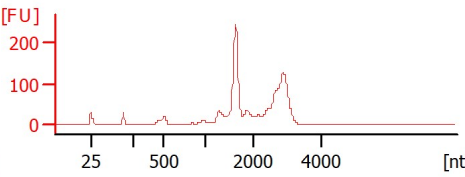
Reagent Kit Lot #:

Chip Comments:

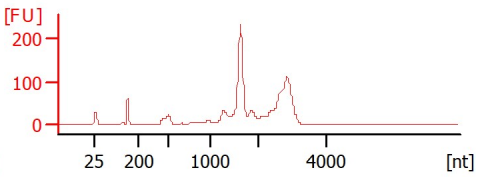
Nova0944-1
RIN: 7.70



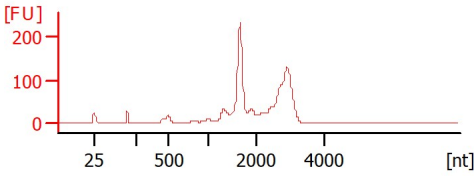
Nova0944-2
RIN: 8.90



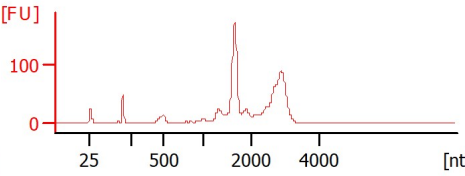
Nova0944-3
RIN: 8.60



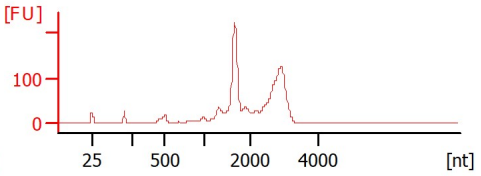
Nova0944-4
RIN: 8.90



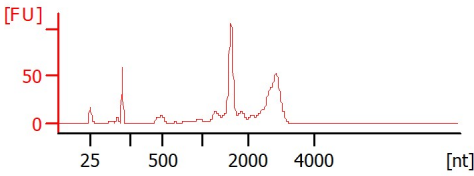
Nova0944-5
RIN: 8.90



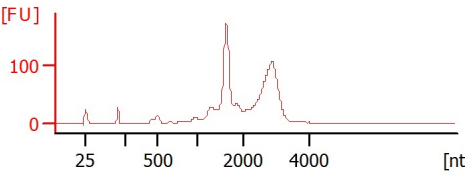
Nova0944-6
RIN: 8.70



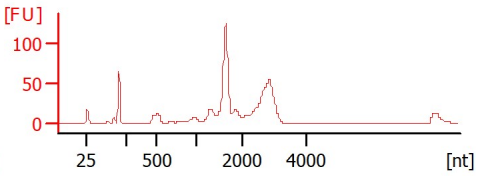
Nova0944-7
RIN: 8.80



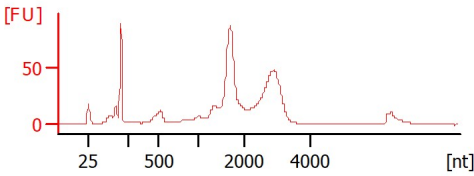
Nova0944-8
RIN: 8.70



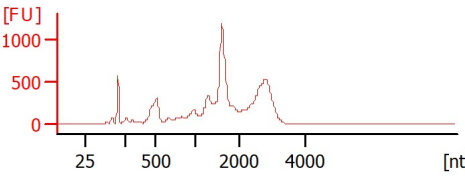
Nova0944-9
RIN: 8.30



Nova0944-10
RIN: 8.30



Nova0944-11
RIN: 7.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova0944-1		✓	RIN: 7.70	
Nova0944-2		✓	RIN: 8.90	
Nova0944-3		✓	RIN: 8.60	
Nova0944-4		✓	RIN: 8.90	
Nova0944-5		✓	RIN: 8.90	
Nova0944-6		✓	RIN: 8.70	
Nova0944-7		✓	RIN: 8.80	
Nova0944-8		✓	RIN: 8.70	
Nova0944-9		✓	RIN: 8.30	
Nova0944-10		✓	RIN: 8.30	
Nova0944-11		✓	RIN: 7.20	
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_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 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

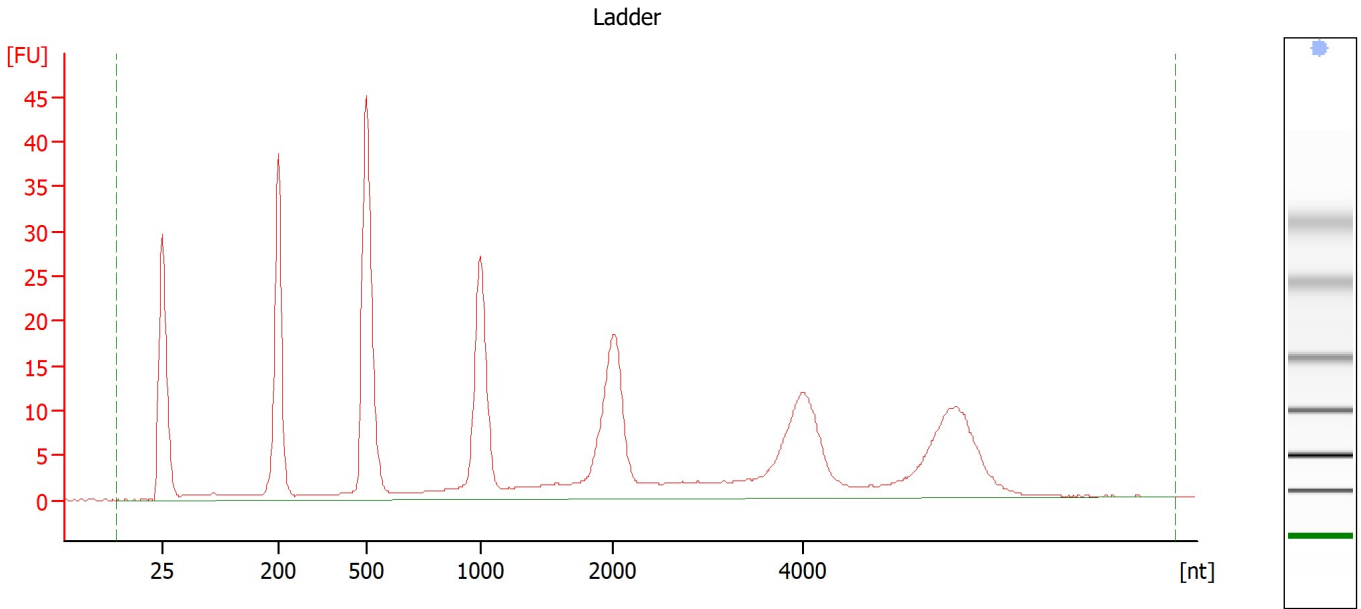
Ladder

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_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary



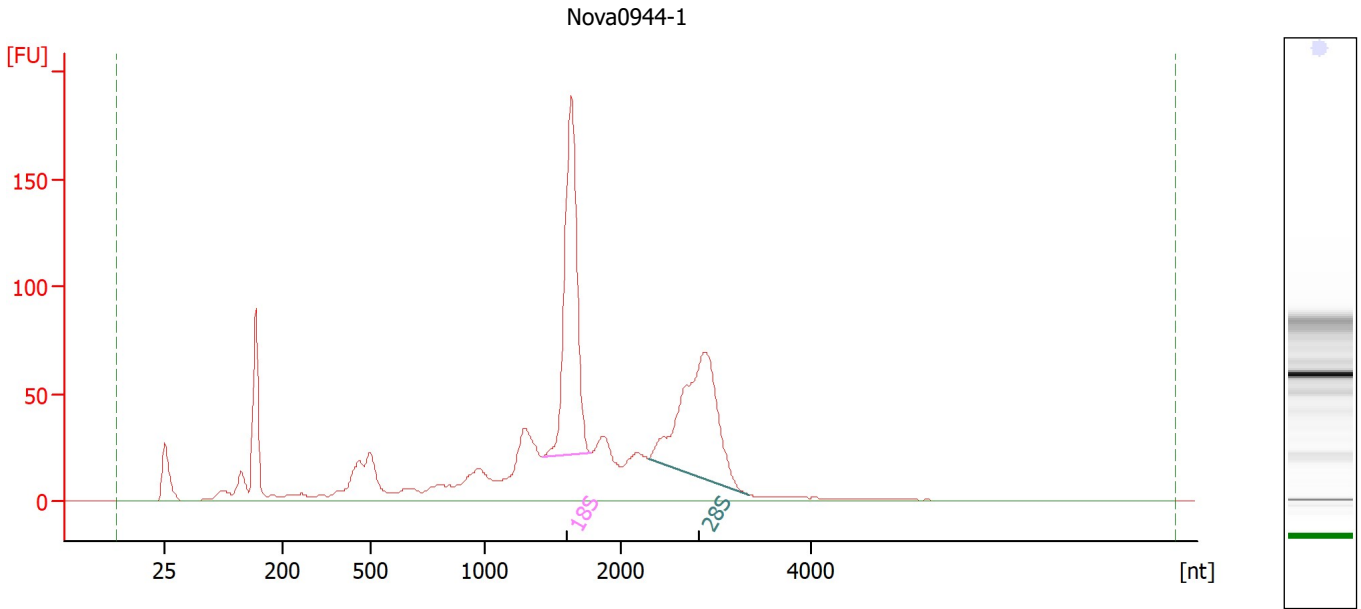
Overall Results for Ladder

RNA Area:	394.3	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_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova0944-1

RNA Area:	1,387.0	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	3,518 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.70

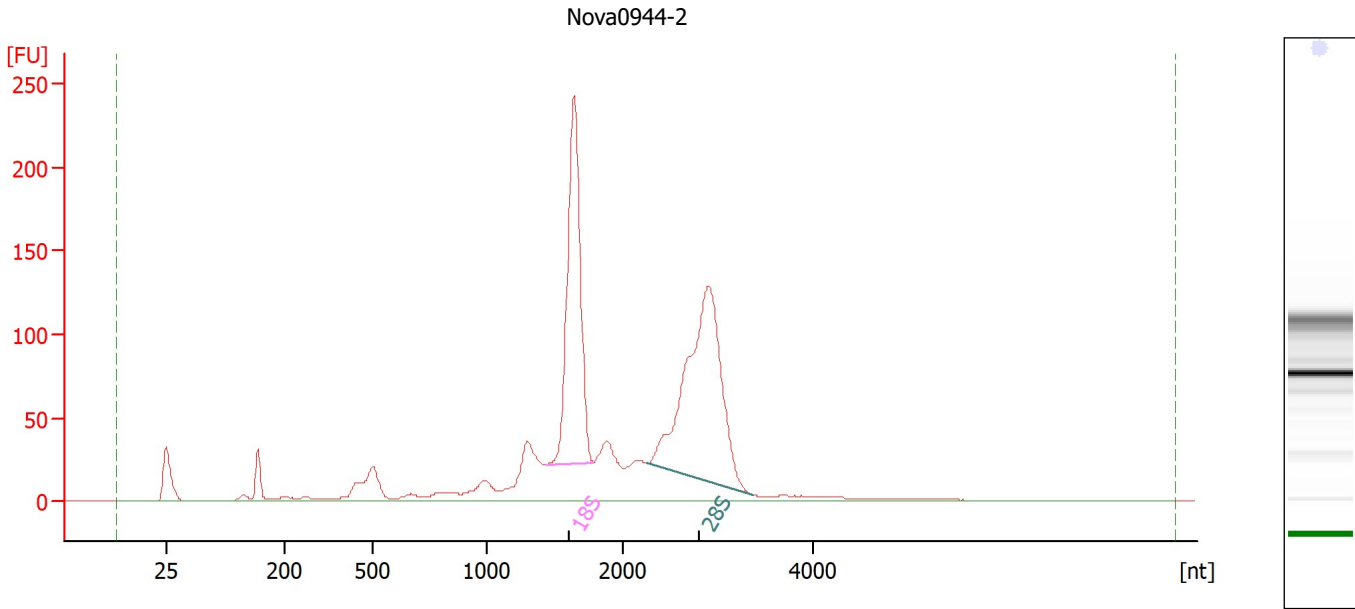
Fragment table for sample 1 : Nova0944-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,428	1,785	273.0	19.7
28S	2,292	3,358	246.0	17.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova0944-2

RNA Area:	1,623.2	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	4,117 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.90

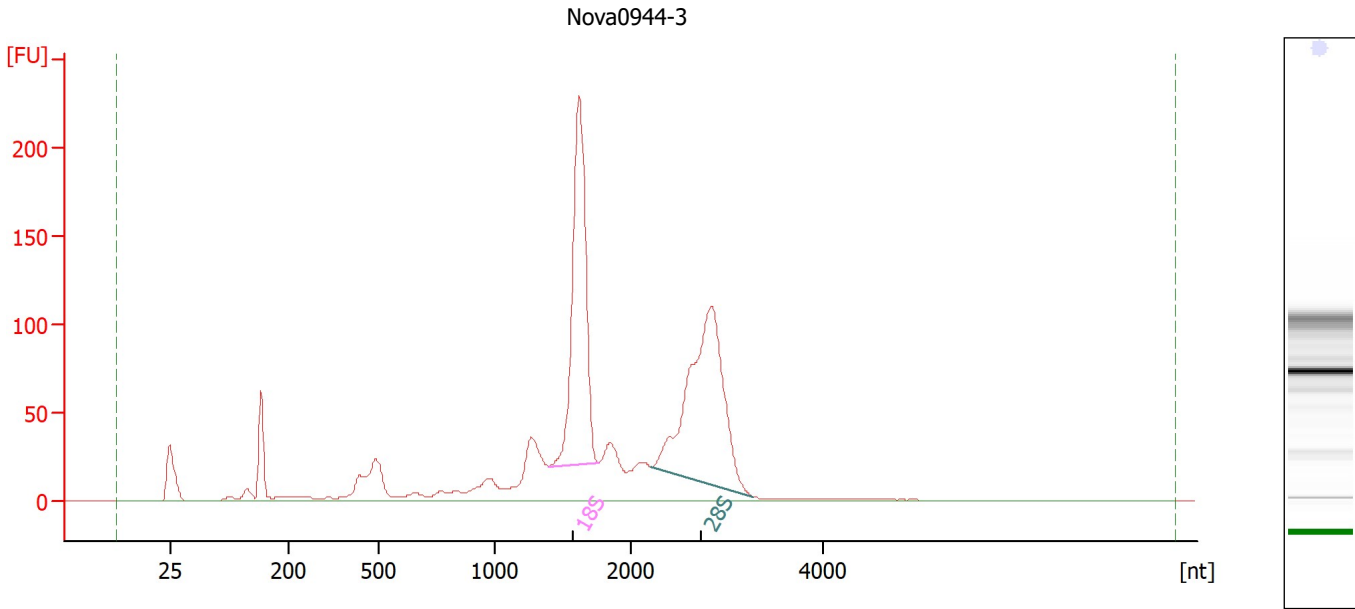
Fragment table for sample 2 : Nova0944-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,437	1,786	376.6	23.2
28S	2,258	3,366	472.6	29.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova0944-3

RNA Area:	1,528.6	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	3,877 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.60

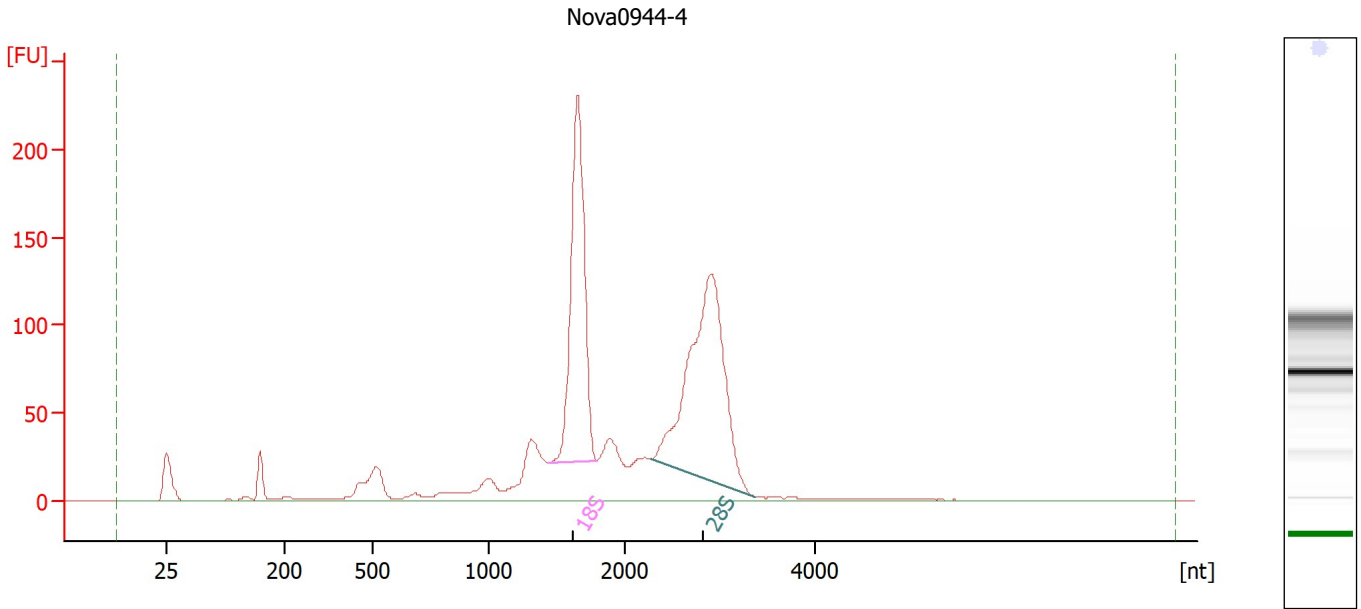
Fragment table for sample 3 : Nova0944-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,404	1,765	361.5	23.7
28S	2,212	3,266	405.3	26.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova0944-4

RNA Area:	1,585.5	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	4,021 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.90

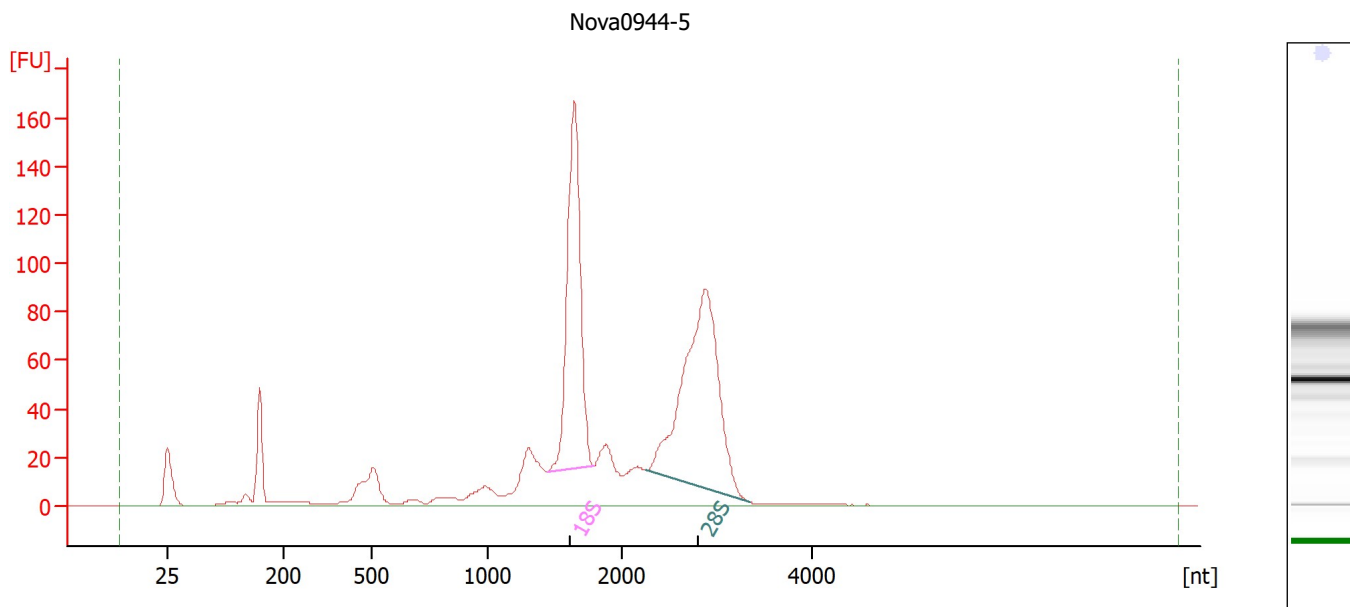
Fragment table for sample 4 : Nova0944-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,447	1,795	366.0	23.1
28S	2,269	3,363	475.9	30.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova0944-5

RNA Area:	1,127.4	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	2,859 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.90

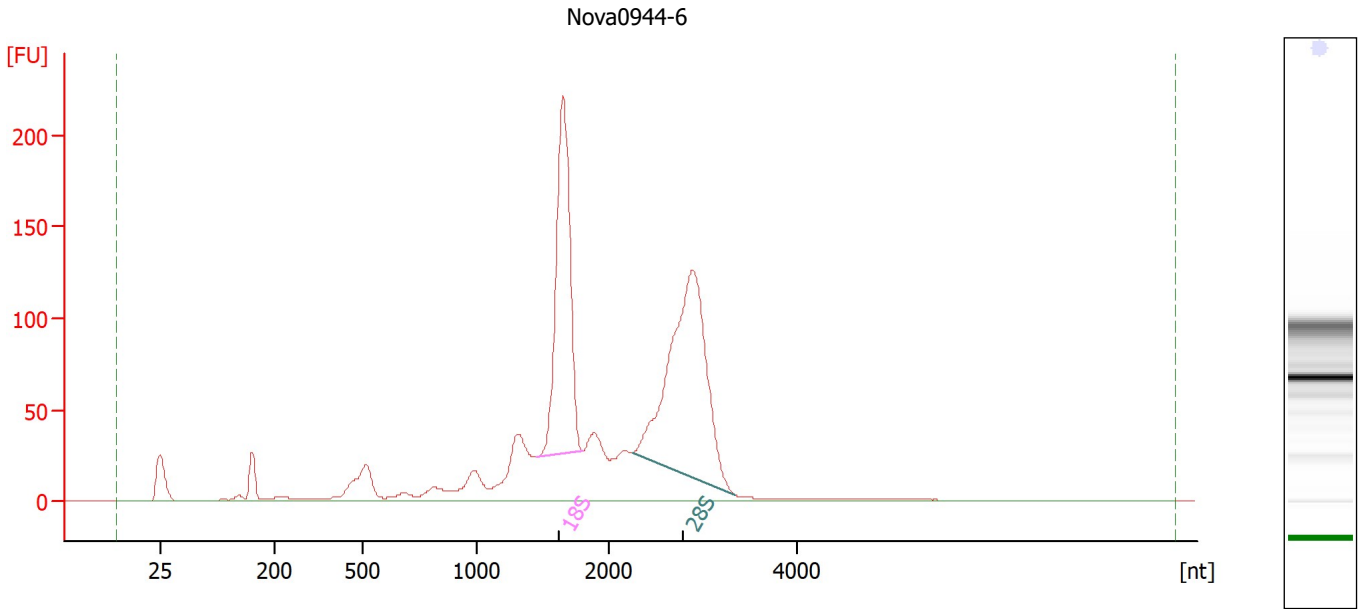
Fragment table for sample 5 : Nova0944-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,450	1,793	262.8	23.3
28S	2,259	3,361	335.1	29.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova0944-6

RNA Area:	1,663.7	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	4,219 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

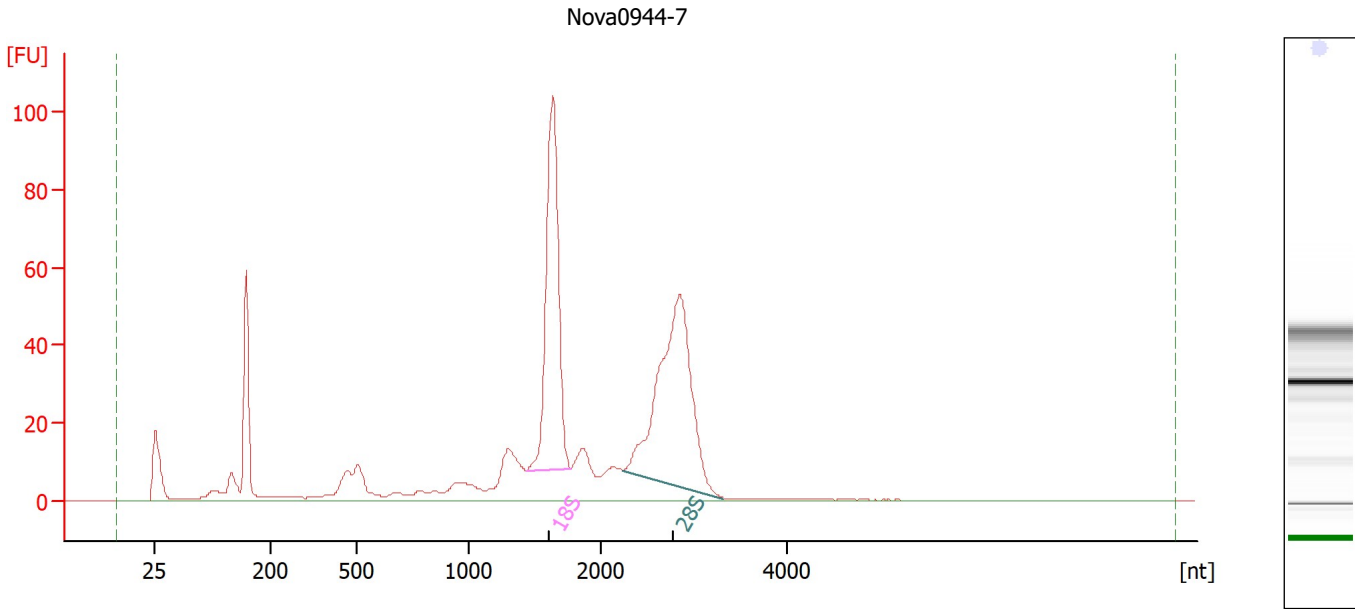
Fragment table for sample 6 : Nova0944-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,453	1,798	364.6	21.9
28S	2,249	3,339	487.0	29.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova0944-7

RNA Area:	700.0	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	1,775 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.80

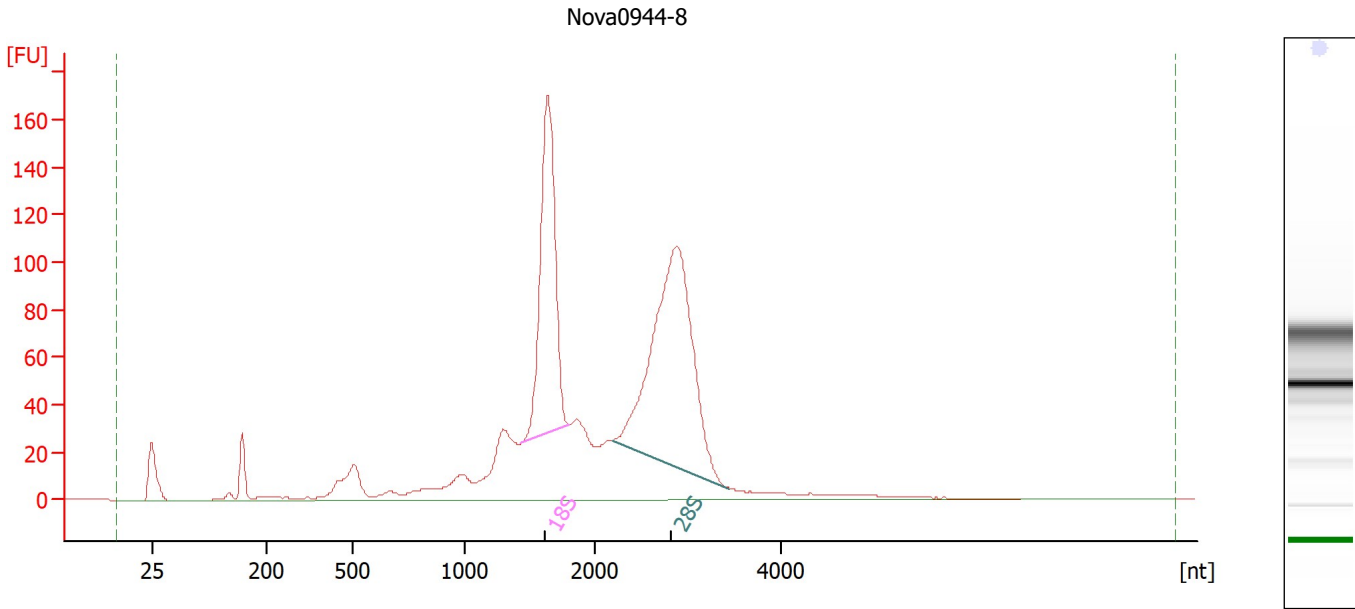
Fragment table for sample 7 : Nova0944-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,431	1,771	157.9	22.5
28S	2,239	3,316	189.5	27.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova0944-8

RNA Area:	1,531.5	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	3,884 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.70

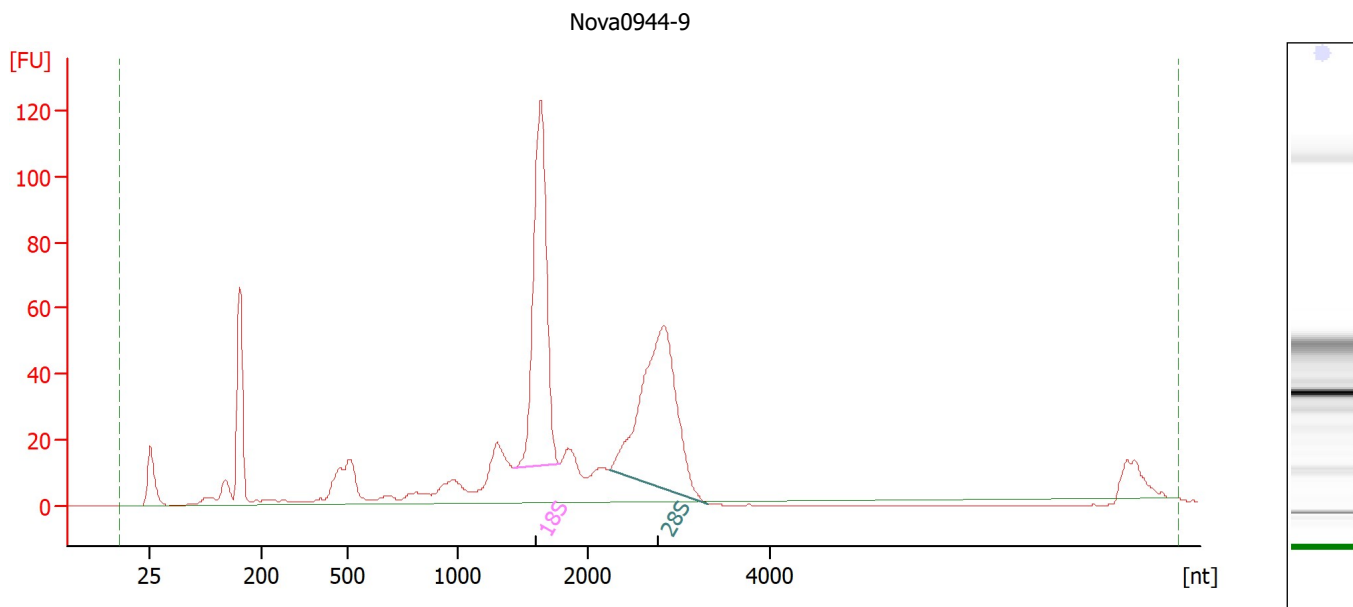
Fragment table for sample 8 : Nova0944-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,434	1,802	286.5	18.7
28S	2,194	3,451	441.8	28.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova0944-9

RNA Area:	864.8	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	2,193 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.30

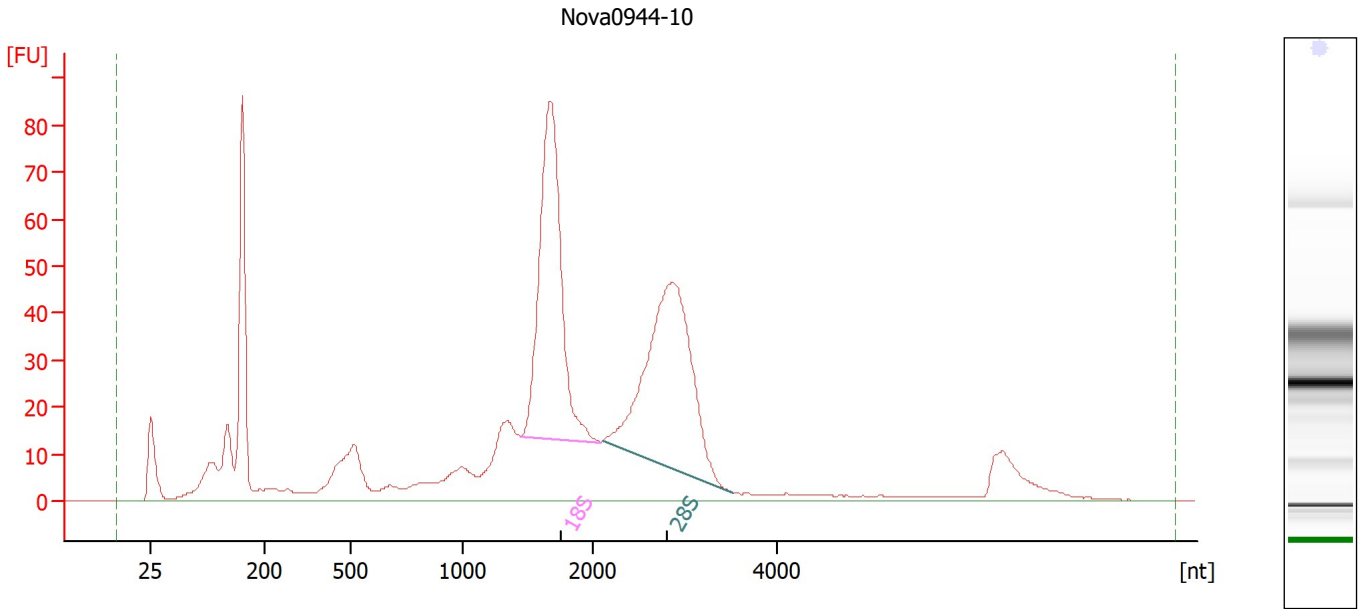
Fragment table for sample 9 : Nova0944-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,435	1,782	199.6	23.1
28S	2,241	3,327	208.8	24.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nova0944-10

RNA Area:	1,091.7	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	2,769 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.30

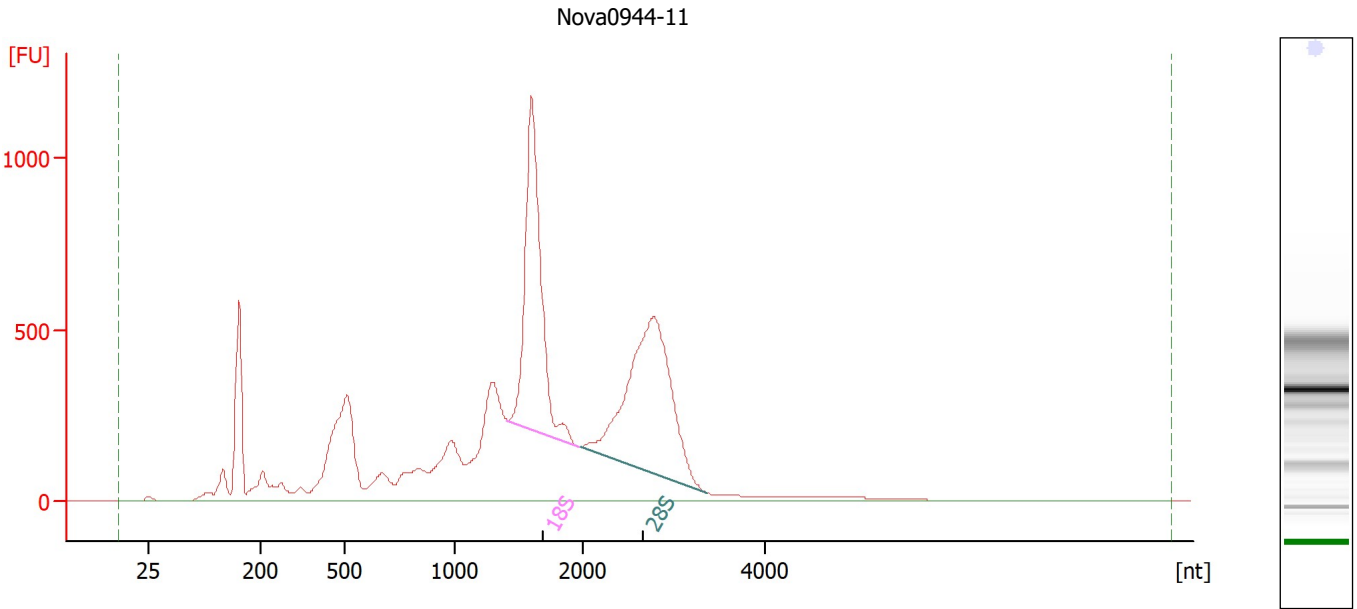
Fragment table for sample 10 : Nova0944-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,441	2,090	210.8	19.3
28S	2,113	3,524	215.7	19.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova0944-11

RNA Area:	12,958.4	RNA Integrity Number (RIN):	7.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	32,864 pg/μl		
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.20

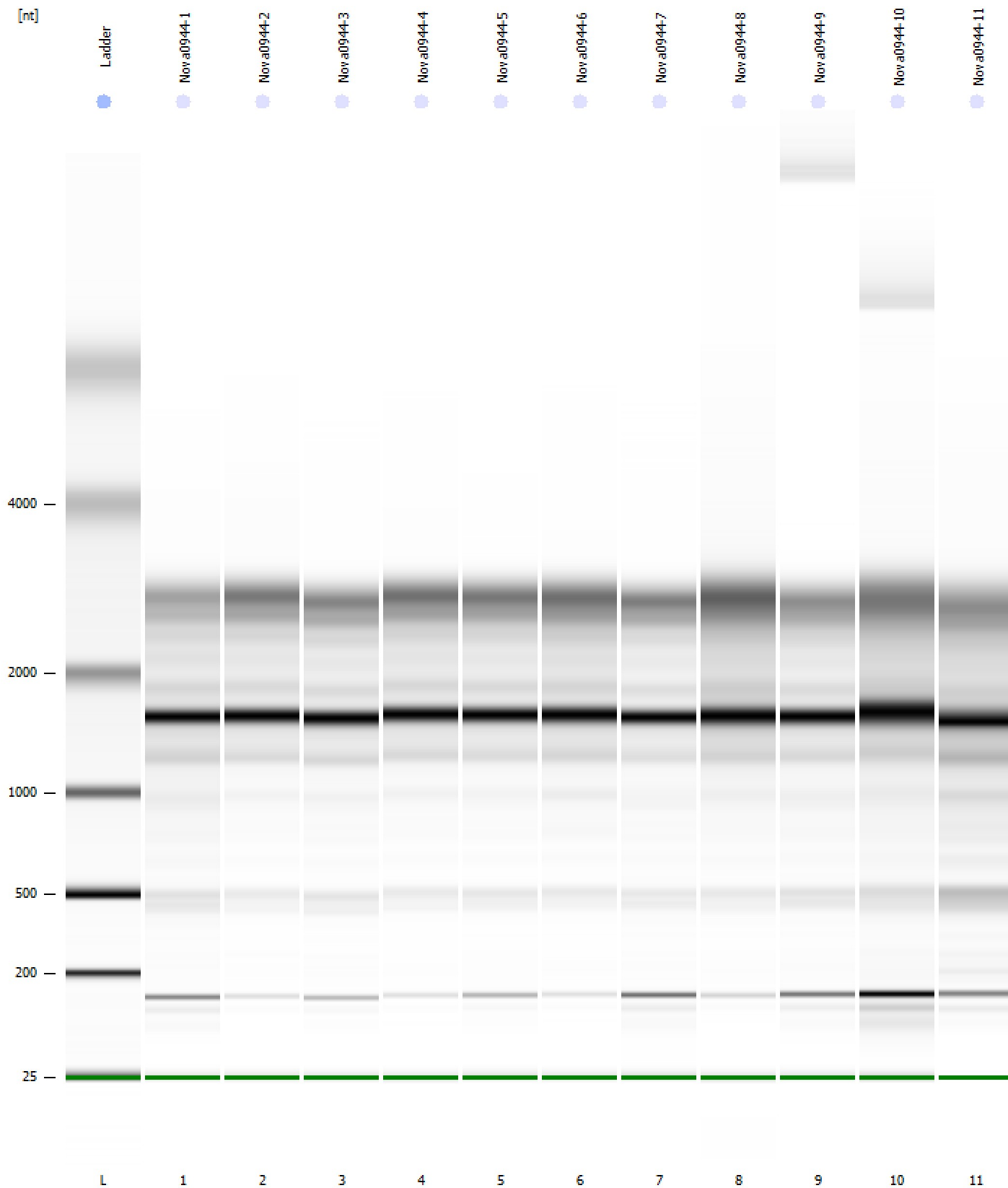
Fragment table for sample 11 : Nova0944-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,410	1,956	2,081.1	16.1
28S	1,972	3,362	2,441.1	18.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
Modified: 8/21/2023 4:13:09 PM

Gel Image

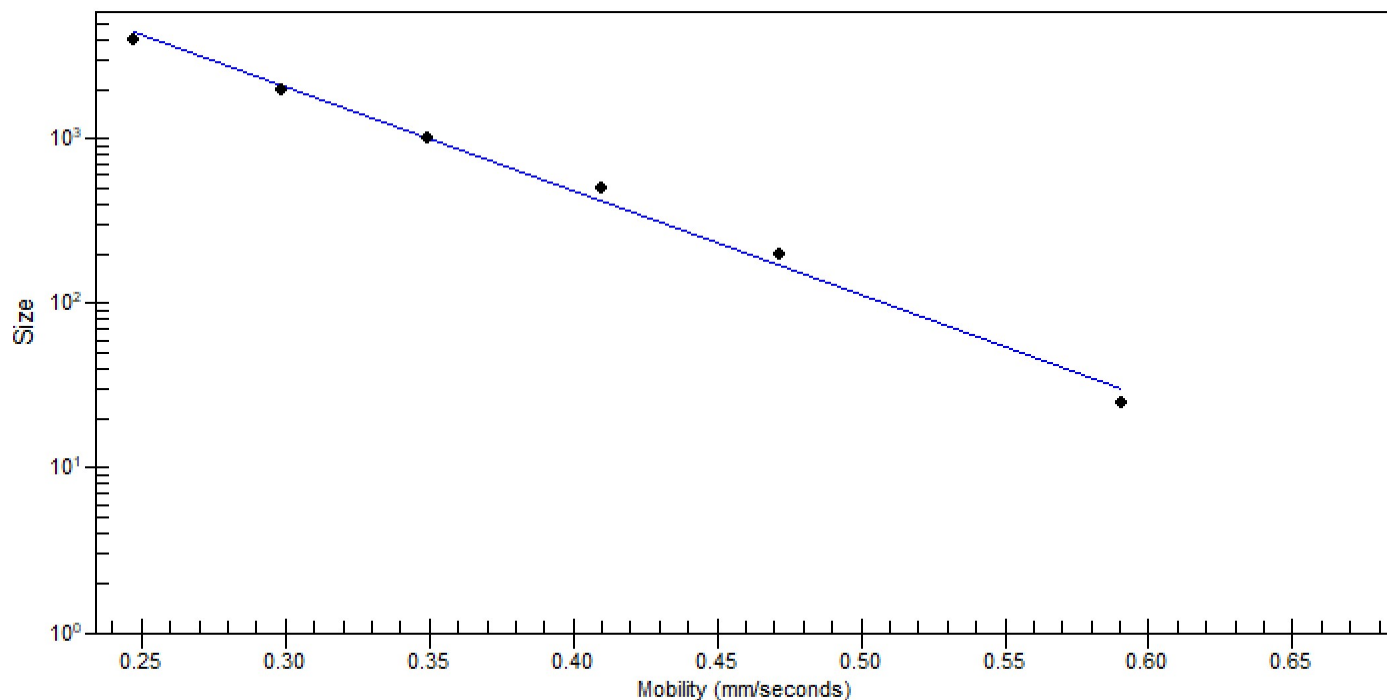


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad

Created: 8/21/2023 3:19:12 PM
Modified: 8/21/2023 4:13:09 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad
 Created: 8/21/2023 3:19:12 PM
 Modified: 8/21/2023 4:13:09 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		8/21/2023 3:42:14 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\2023-08-21\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_001.xad)		Instrument	Run		8/21/2023 3:19:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/21/2023 3:19:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/21/2023 3:19:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/21/2023 3:19:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/21/2023 3:19:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/21/2023 3:19:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/21/2023 3:19:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB