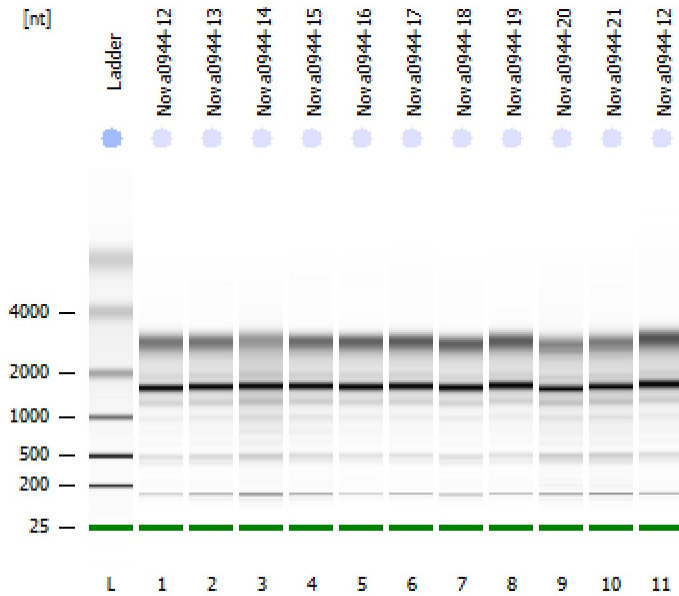


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
Modified: 8/21/2023 5:06:34 PM

Electrophoresis File Run Summary



Instrument Information:

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

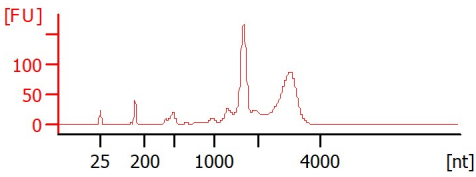
Assay Information:

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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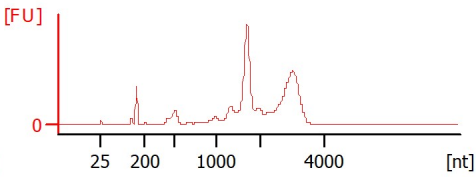
Chip Information:

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

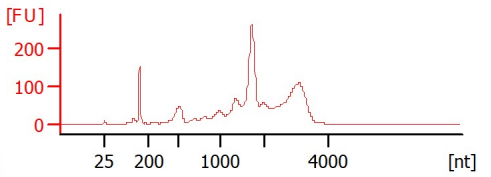
Nova0944-12
RIN: 8.70



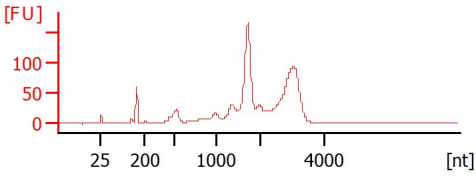
Nova0944-13
RIN: 8.30



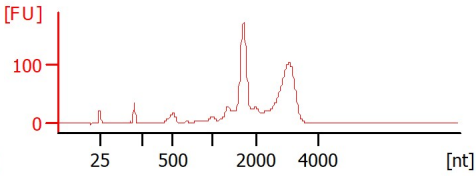
Nova0944-14
RIN: 7.30



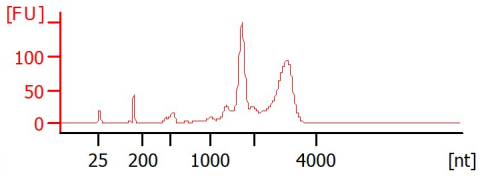
Nova0944-15
RIN: 8.20



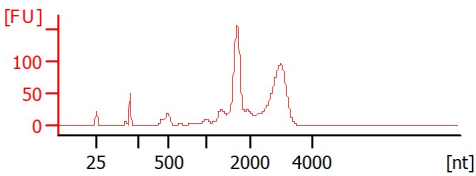
Nova0944-16
RIN: 8.80



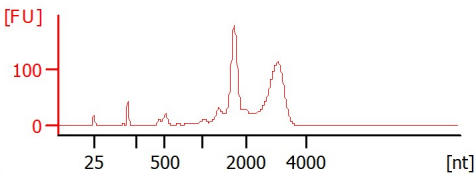
Nova0944-17
RIN: 8.70



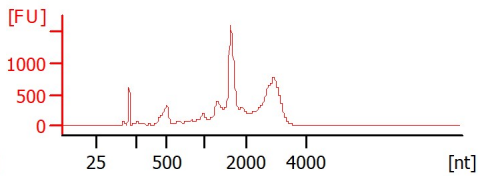
Nova0944-18
RIN: 8.70



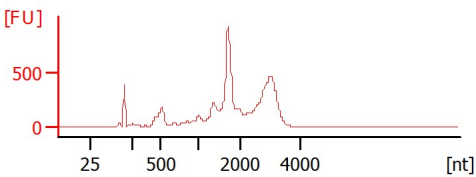
Nova0944-19
RIN: 8.80



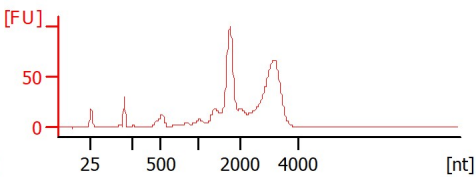
Nova0944-20
RIN: 7.50



Nova0944-21
RIN: 7.50



Nova0944-12
RIN: 8.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova0944-12		✓	RIN: 8.70	
Nova0944-13		✓	RIN: 8.30	
Nova0944-14		✓	RIN: 7.30	
Nova0944-15		✓	RIN: 8.20	
Nova0944-16		✓	RIN: 8.80	
Nova0944-17		✓	RIN: 8.70	
Nova0944-18		✓	RIN: 8.70	
Nova0944-19		✓	RIN: 8.80	
Nova0944-20		✓	RIN: 7.50	
Nova0944-21		✓	RIN: 7.50	
Nova0944-12		✓	RIN: 8.70	
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_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 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

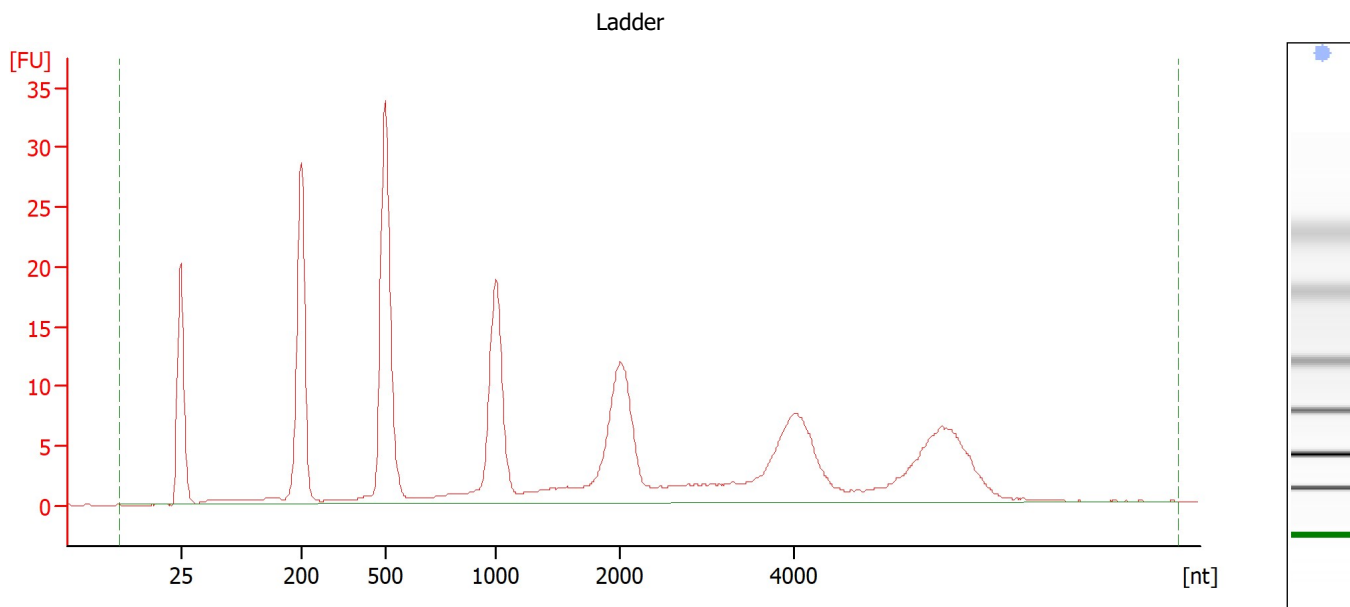
Ladder

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_002.xad

Created: 8/21/2023 4:13:58 PM
Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary



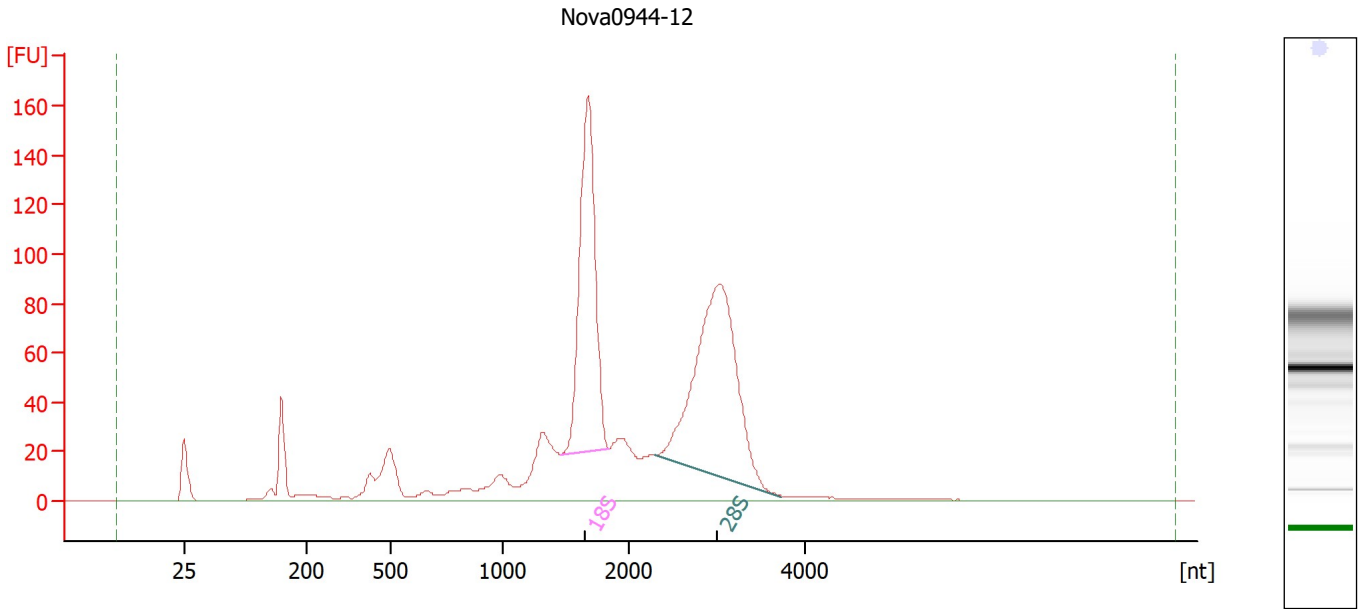
Overall Results for Ladder

RNA Area:	286.6	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_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova0944-12

RNA Area:	1,329.5	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,639 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

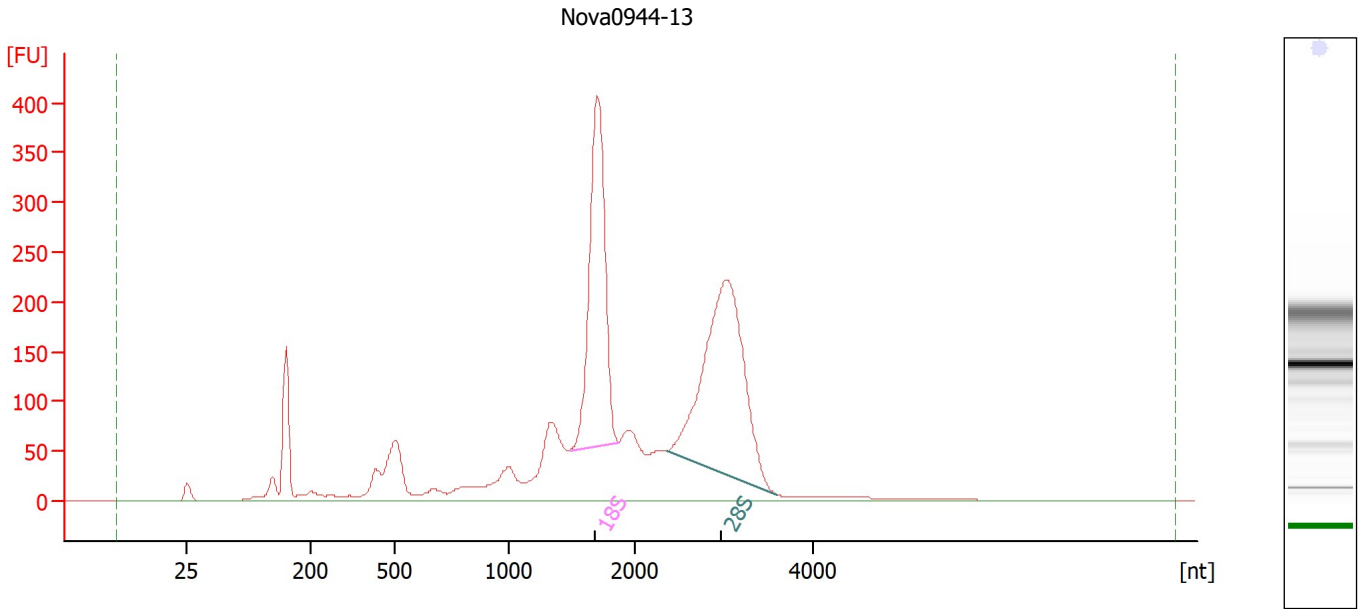
Fragment table for sample 1 : Nova0944-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,459	1,842	291.5	21.9
28S	2,296	3,725	369.4	27.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova0944-13

RNA Area:	3,528.9	RNA Integrity Number (RIN):	8.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	12,312 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.30

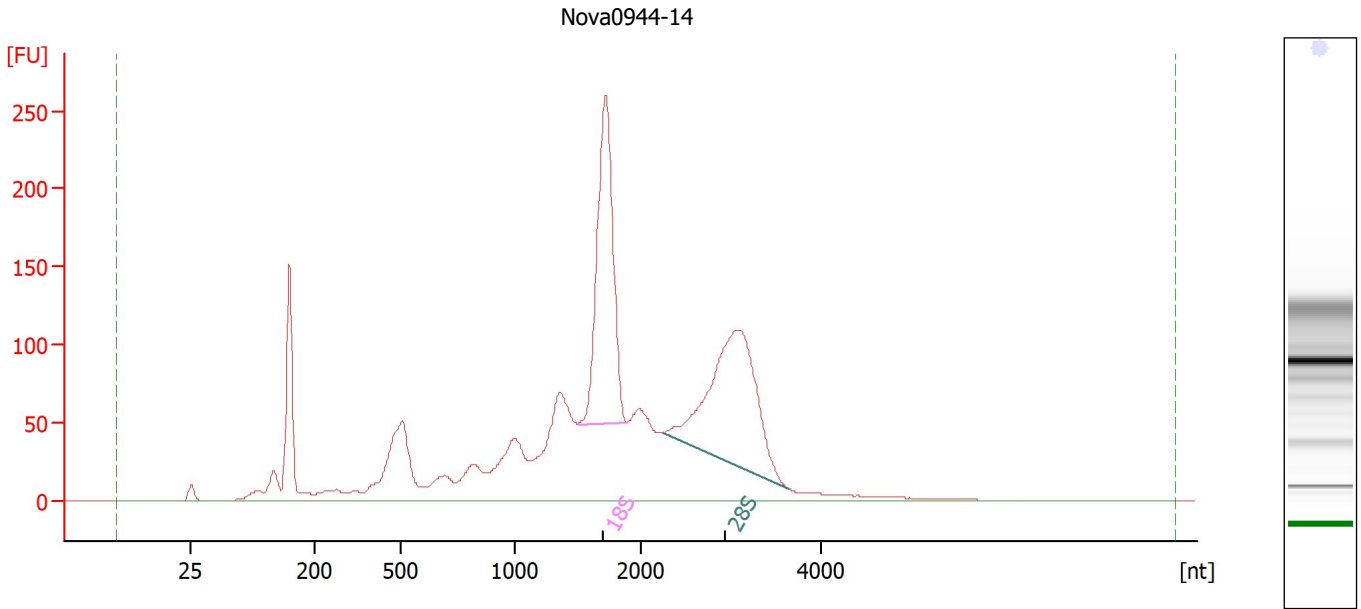
Fragment table for sample 2 : Nova0944-13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,482	1,862	700.0	19.8
28S	2,357	3,596	885.4	25.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova0944-14

RNA Area:	2,770.6	RNA Integrity Number (RIN):	7.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	9,667 pg/μl		
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.30

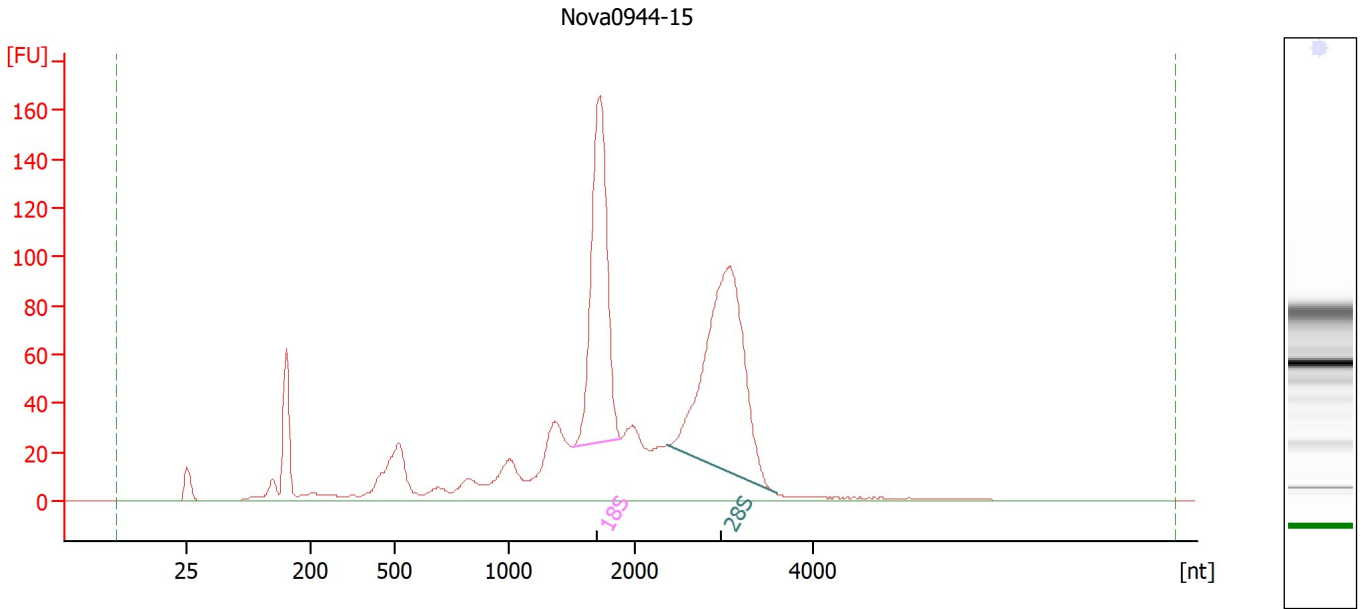
Fragment table for sample 3 : Nova0944-14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,504	1,890	422.4	15.2
28S	2,226	3,648	459.0	16.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova0944-15

RNA Area:	1,500.1	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,234 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.20

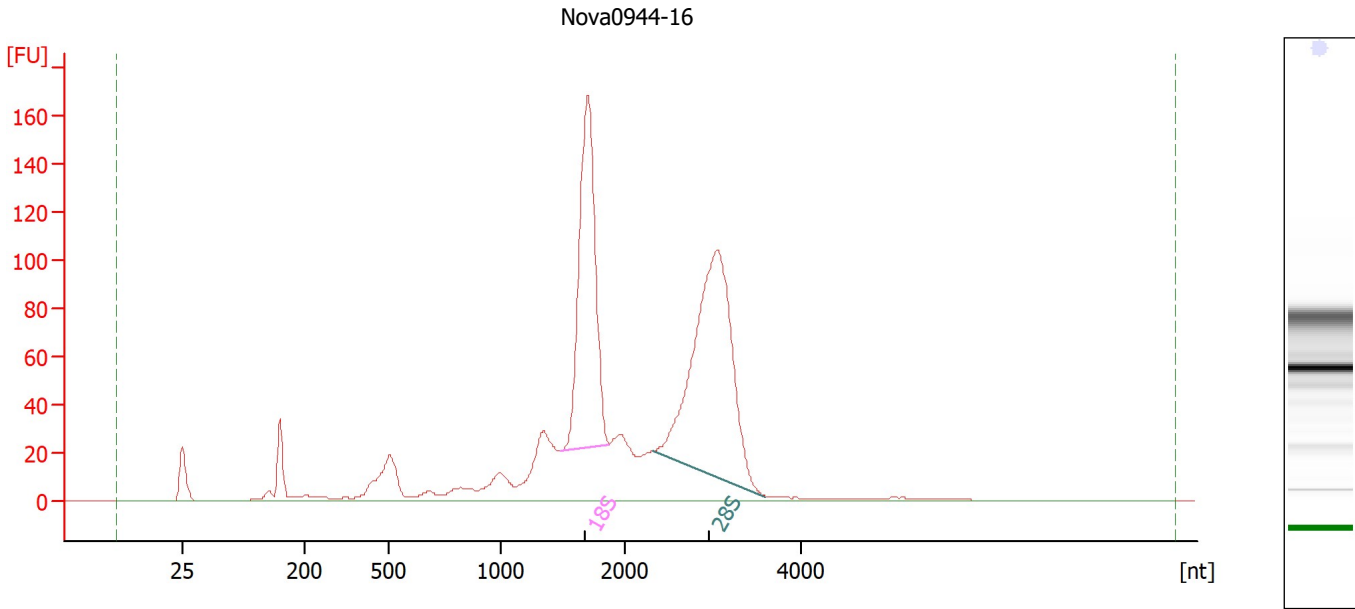
Fragment table for sample 4 : Nova0944-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,499	1,887	287.7	19.2
28S	2,357	3,584	372.1	24.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova0944-16

RNA Area:	1,390.5	RNA Integrity Number (RIN):	8.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,851 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.80

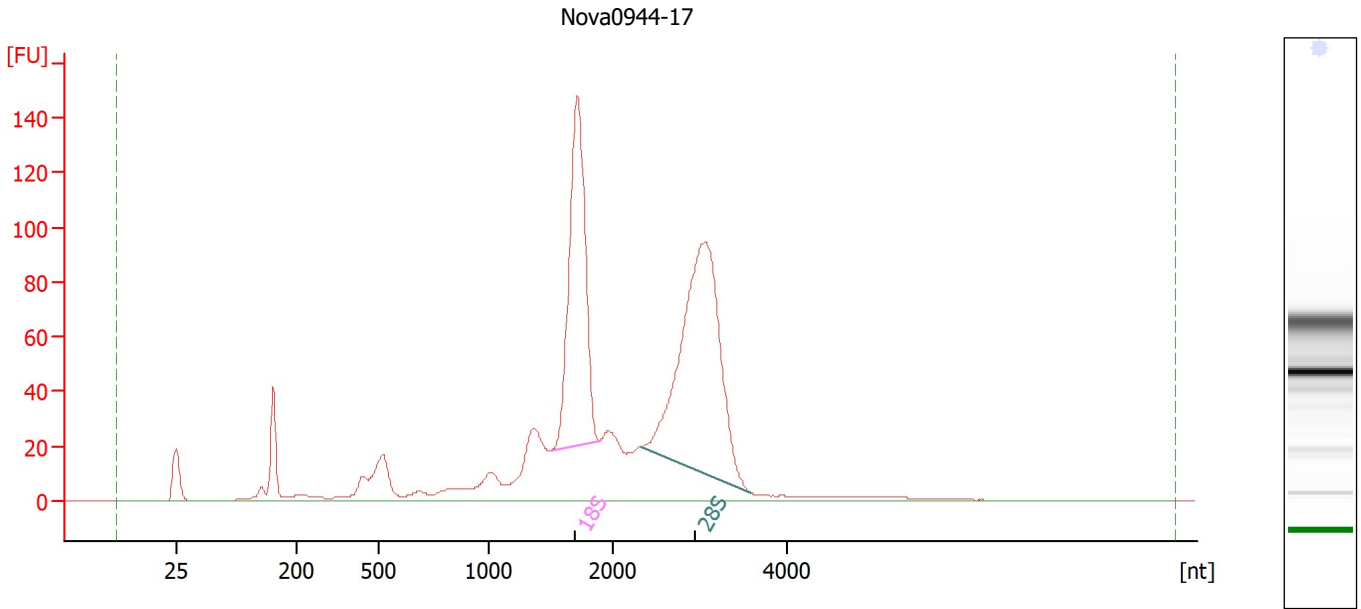
Fragment table for sample 5 : Nova0944-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	1,874	306.1	22.0
28S	2,320	3,597	412.1	29.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova0944-17

RNA Area:	1,299.8	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,535 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.70

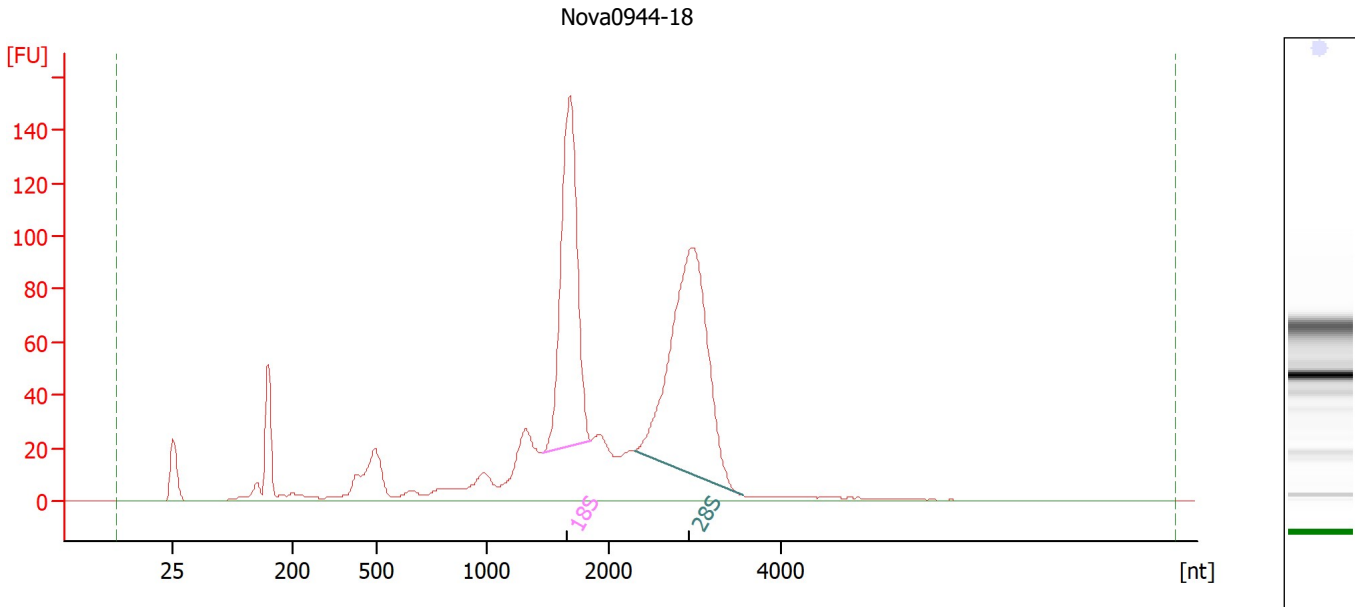
Fragment table for sample 6 : Nova0944-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,894	268.6	20.7
28S	2,330	3,600	380.5	29.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova0944-18

RNA Area:	1,321.3	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,610 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

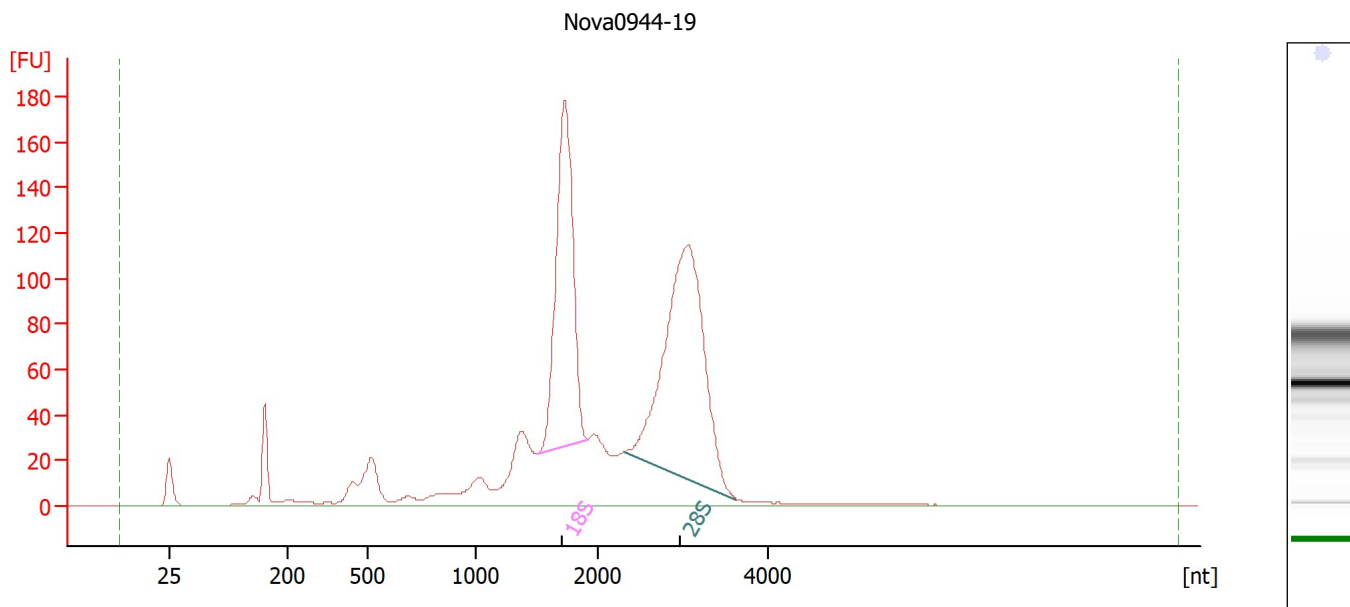
Fragment table for sample 7 : Nova0944-18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,457	1,858	285.4	21.6
28S	2,293	3,543	375.7	28.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova0944-19

RNA Area:	1,604.1	RNA Integrity Number (RIN):	8.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,597 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.80

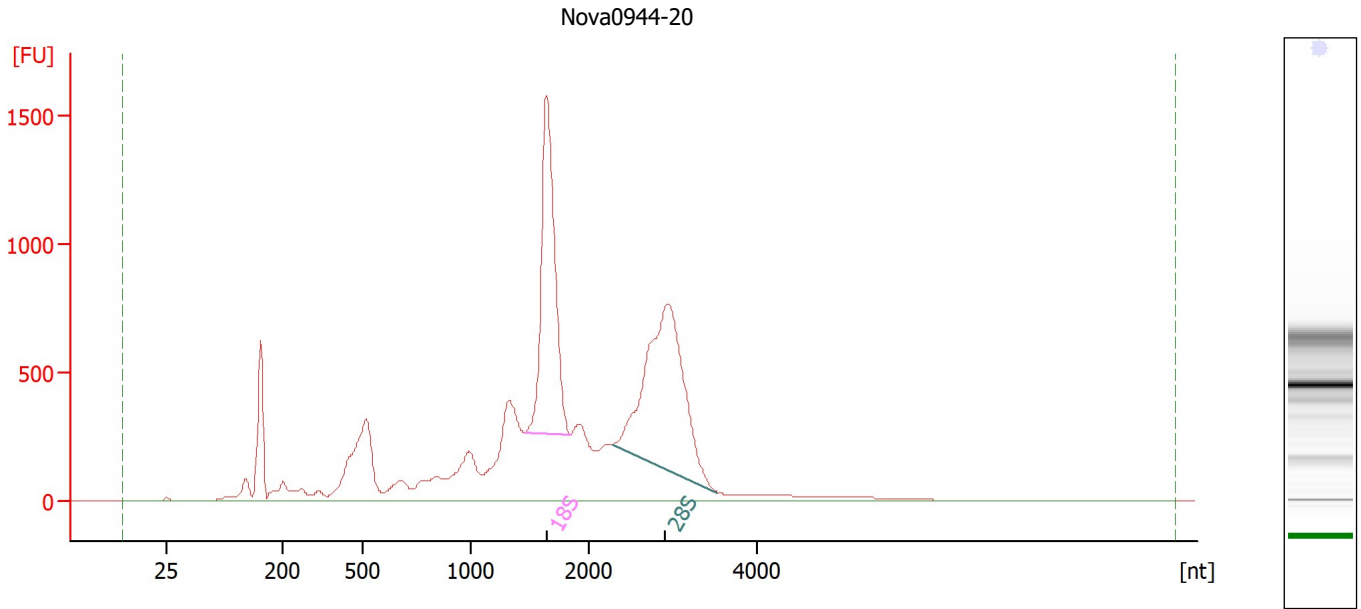
Fragment table for sample 8 : Nova0944-19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,506	1,912	343.0	21.4
28S	2,315	3,636	481.6	30.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova0944-20

RNA Area:	14,811.1	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	51,677 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.50

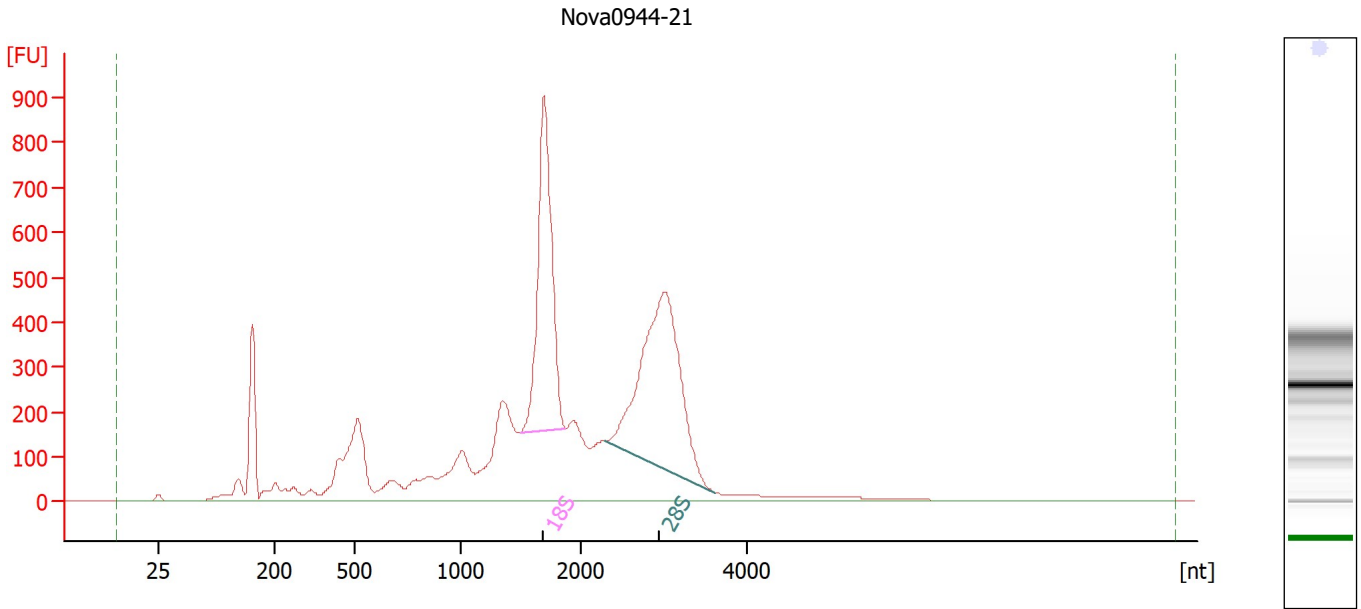
Fragment table for sample 9 : Nova0944-20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,462	1,837	2,366.5	16.0
28S	2,276	3,533	2,953.9	19.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nova0944-21

RNA Area:	8,892.1	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	31,025 pg/μl		
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.50

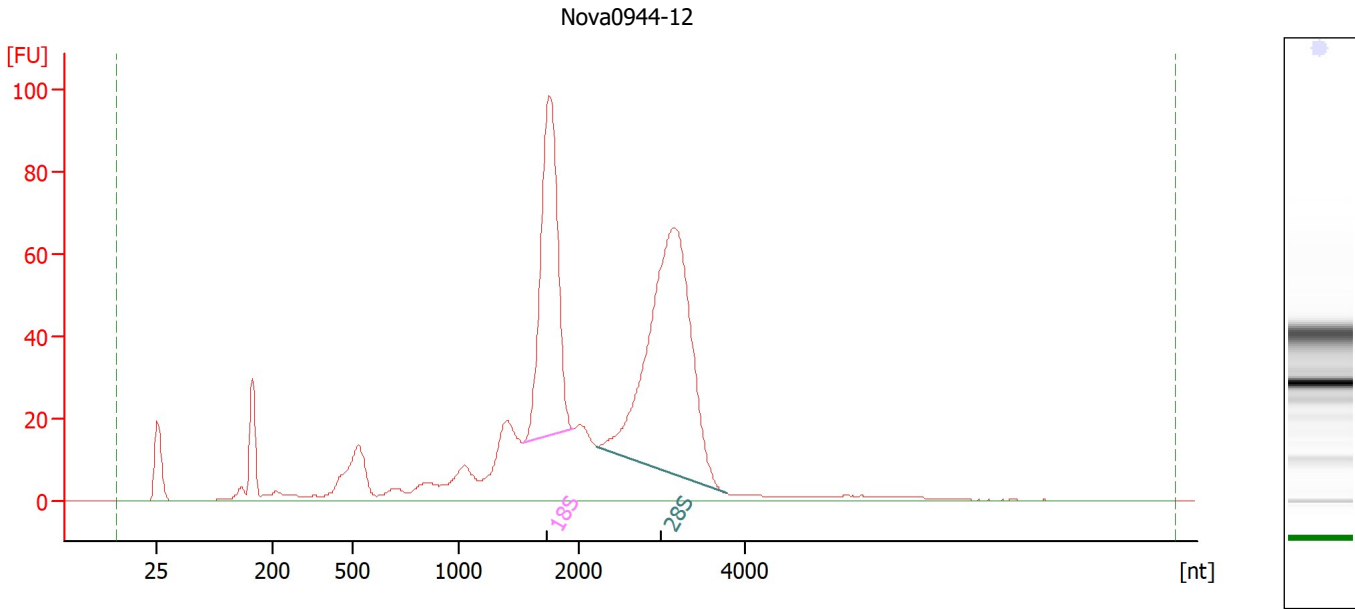
Fragment table for sample 10 : Nova0944-21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,492	1,879	1,413.8	15.9
28S	2,301	3,605	1,843.0	20.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova0944-12

RNA Area:	990.7	RNA Integrity Number (RIN):	8.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,457 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.70

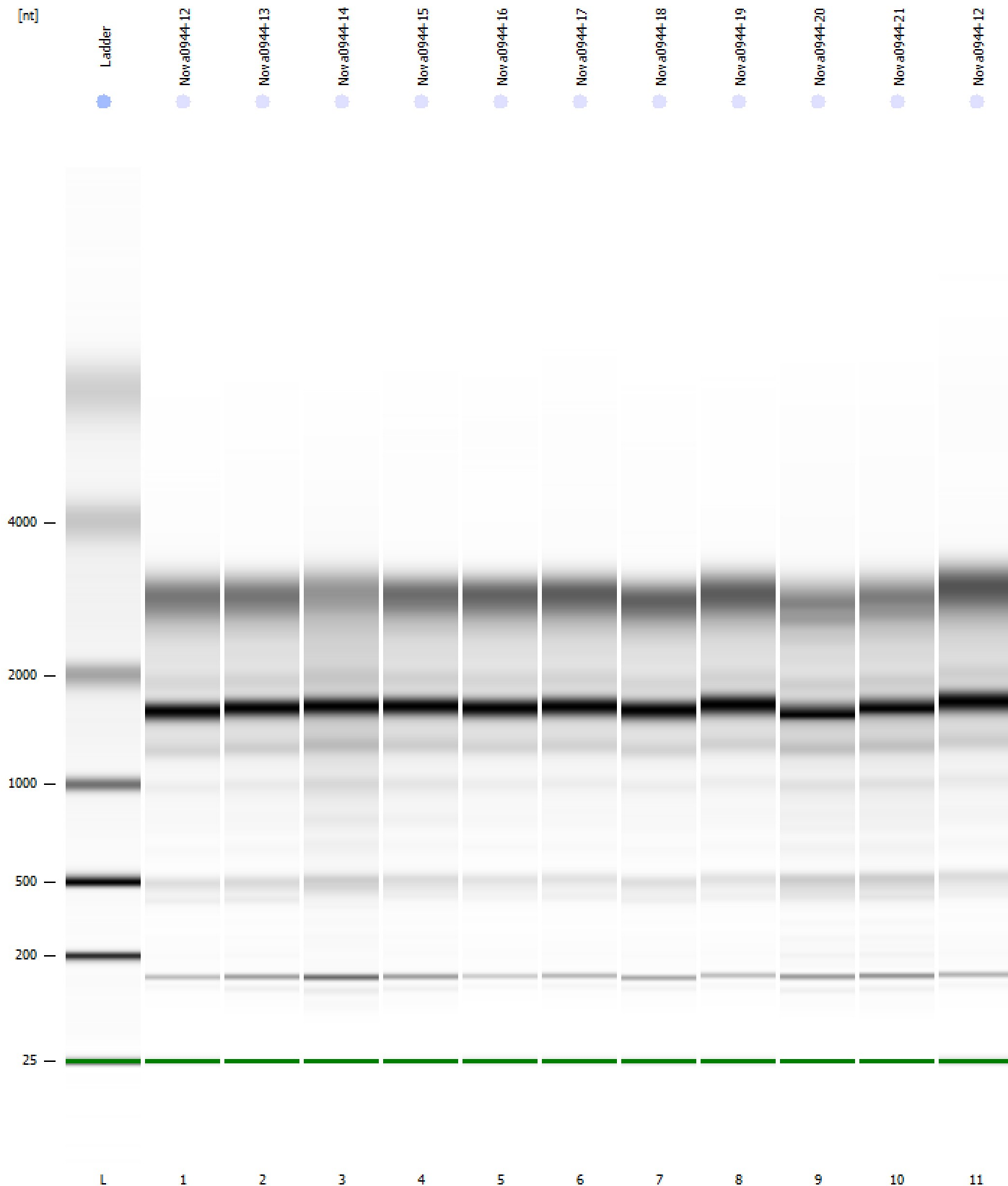
Fragment table for sample 11 : Nova0944-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	1,950	191.5	19.3
28S	2,223	3,787	307.0	31.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
Modified: 8/21/2023 5:06:34 PM

Gel Image

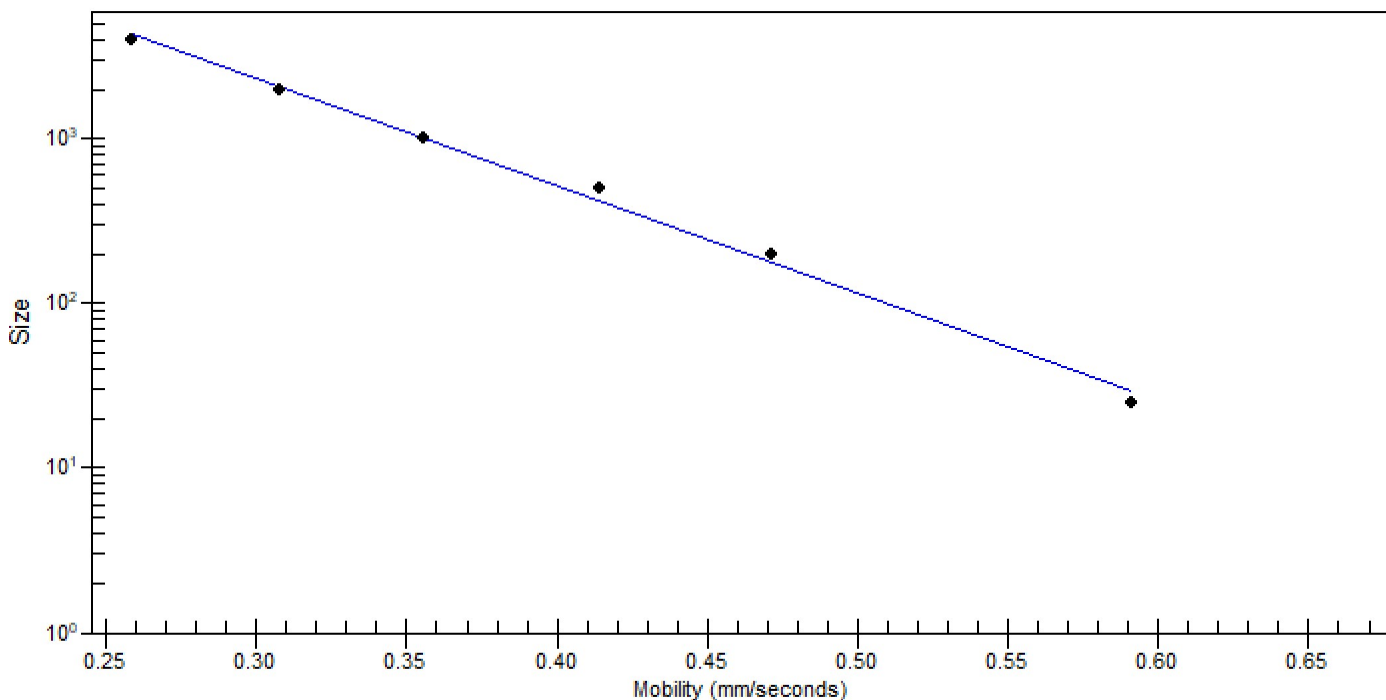


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad

Created: 8/21/2023 4:13:58 PM
Modified: 8/21/2023 5:06:34 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-21_002.xad
 Created: 8/21/2023 4:13:58 PM
 Modified: 8/21/2023 5:06:34 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 4:35:59 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_002.xad)		Instrument	Run		8/21/2023 4:14:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/21/2023 4:14:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/21/2023 4:14:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/21/2023 4:14:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/21/2023 4:14:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/21/2023 4:14:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/21/2023 4:14:03 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB