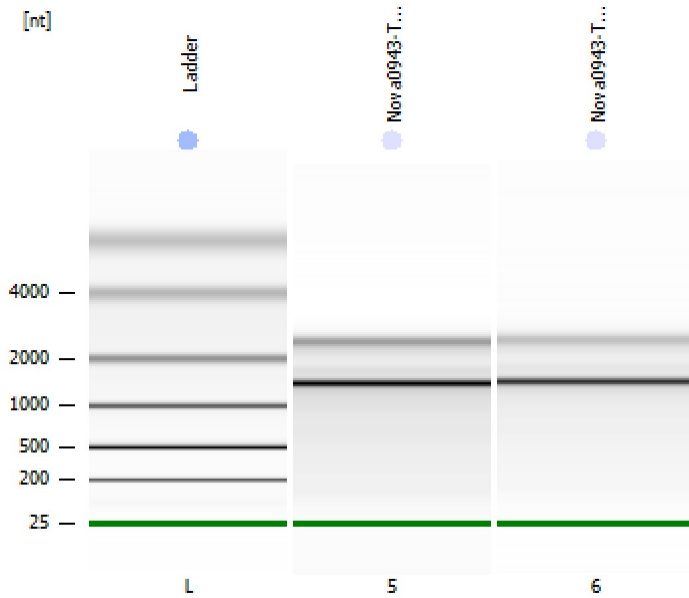


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
Modified: 8/8/2023 4:40:51 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

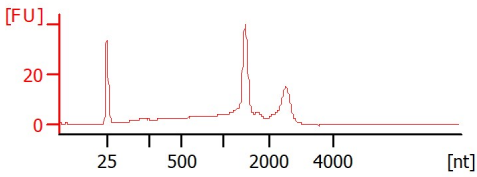
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

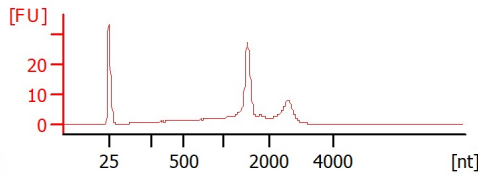
Chip Information:

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

**Nova0943-T3 (1:50)**  
Post DNase  
RIN: 8.40



**Nova0943-T4 (1:50)**  
Post DNase  
RIN: 8.40



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
 Modified: 8/8/2023 4:40:51 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova0943-T3 (1:50)	Post DNase	✓	RIN: 8.40	
Nova0943-T4 (1:50)	Post DNase	✓	RIN: 8.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
Modified: 8/8/2023 4:40:51 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/ $\mu$ l] : 1000

Lower Marker Concentration [pg/ $\mu$ l] : 0

Upper Marker Concentration [pg/ $\mu$ 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

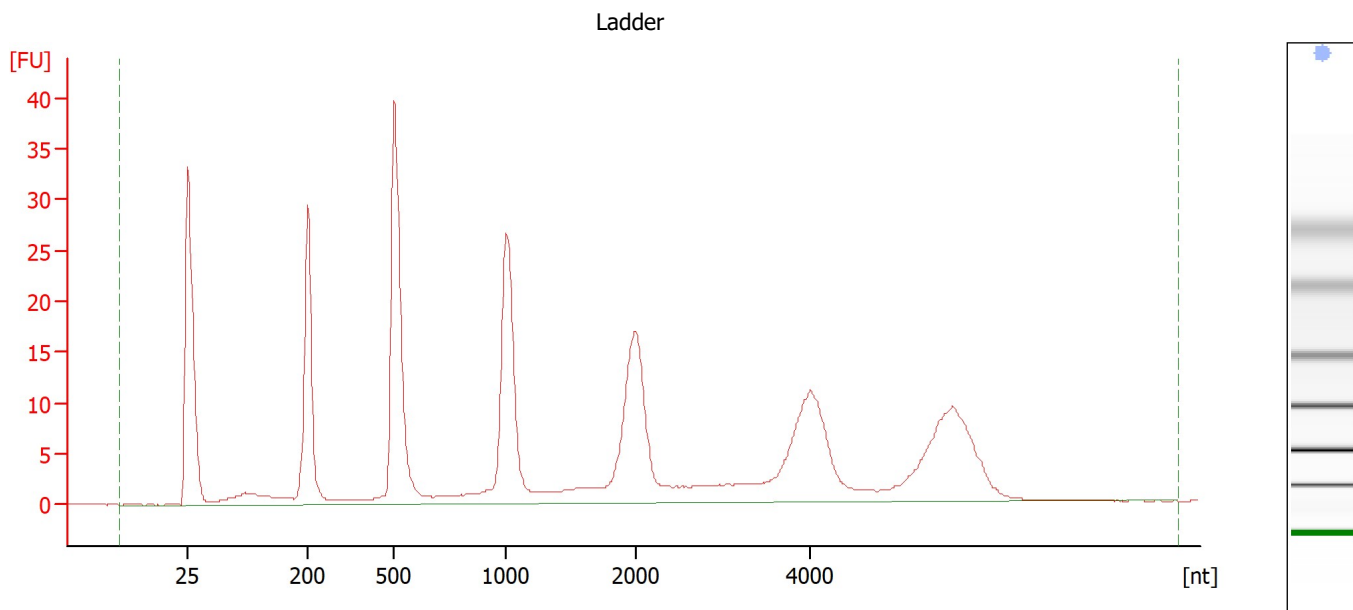
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
Modified: 8/8/2023 4:40:51 PM

**Electropherogram Summary**



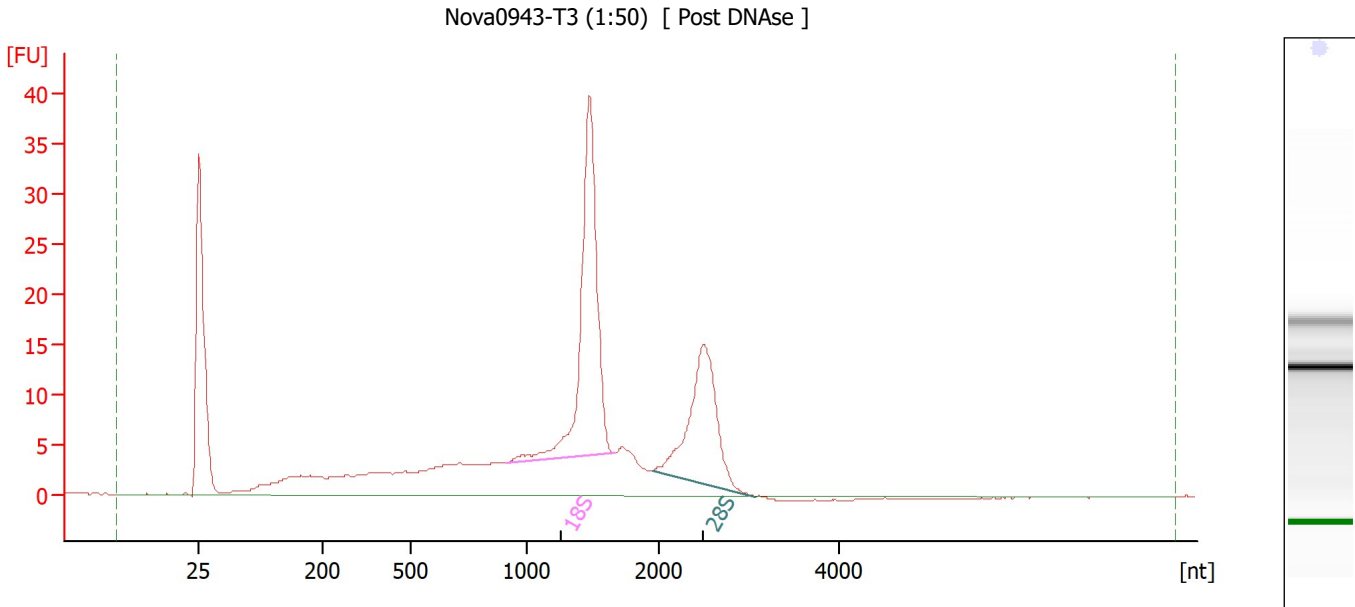
**Overall Results for Ladder**

RNA Area:	339.7	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
 Modified: 8/8/2023 4:40:51 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Nova0943-T3 (1:50)**

RNA Area:	273.7	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	806 µg/µl		
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 8.40

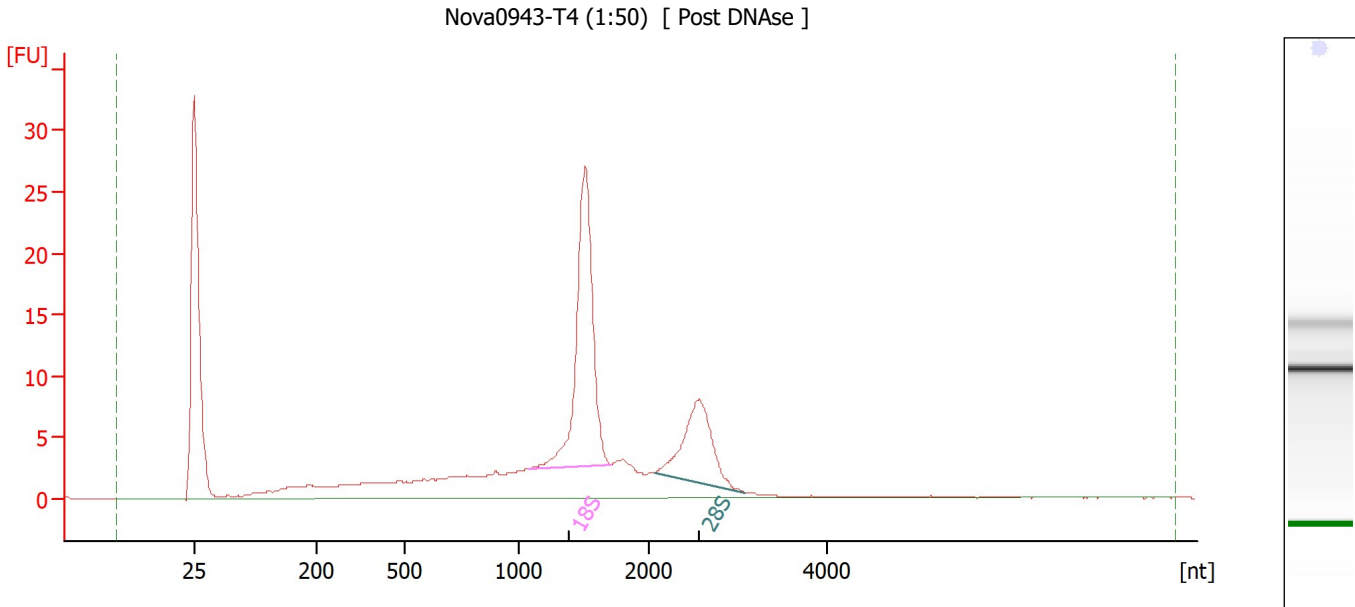
**Fragment table for sample 5 : Nova0943-T3 (1:50)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	909	1,668	73.8	27.0
28S	1,951	3,067	43.8	16.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
 Modified: 8/8/2023 4:40:51 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Nova0943-T4 (1:50)**

RNA Area:	176.1	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	518 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 8.40

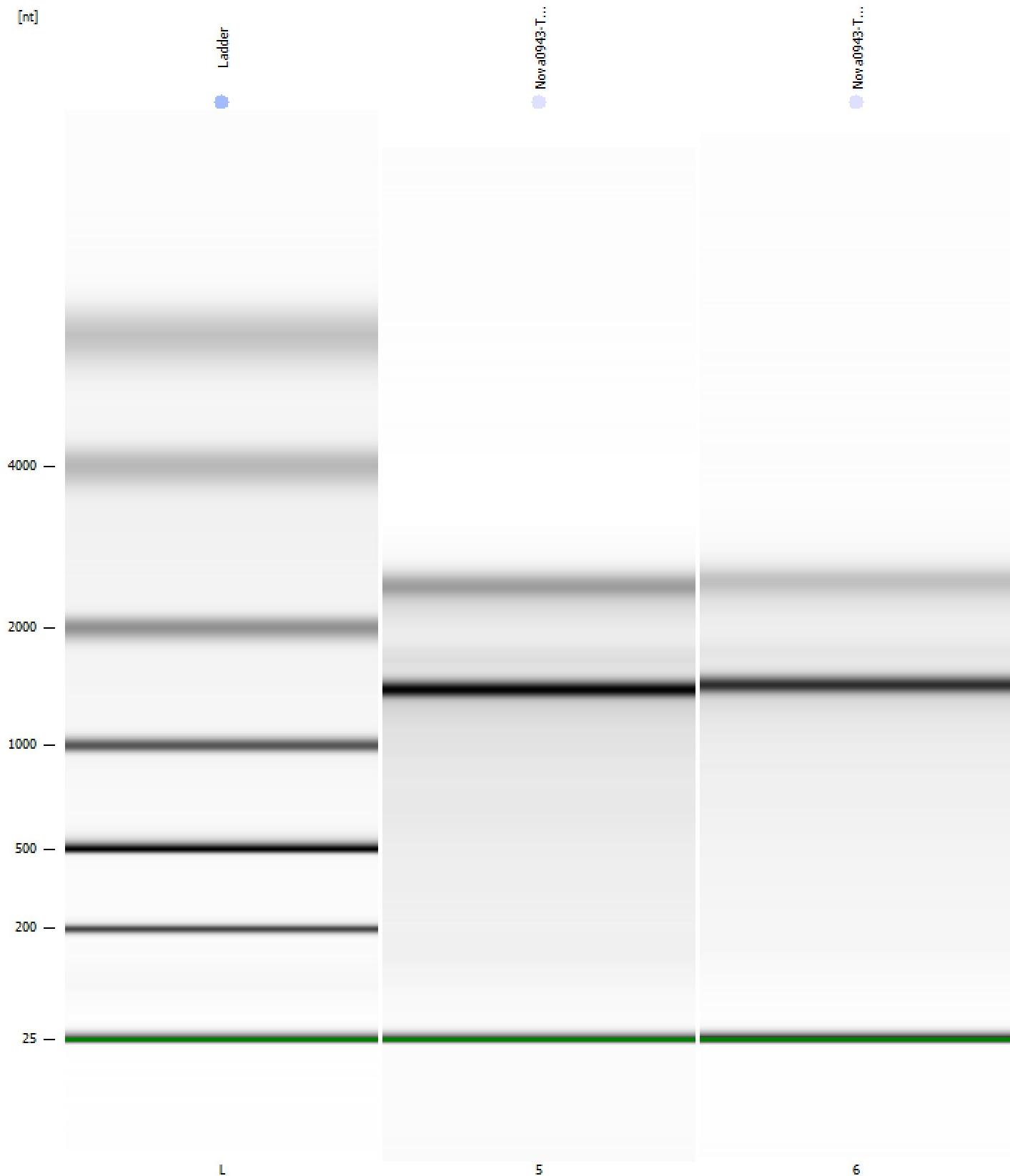
**Fragment table for sample 6 : Nova0943-T4 (1:50)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,088	1,718	51.0	29.0
28S	2,067	3,074	22.3	12.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
Modified: 8/8/2023 4:40:51 PM

**Gel Image**

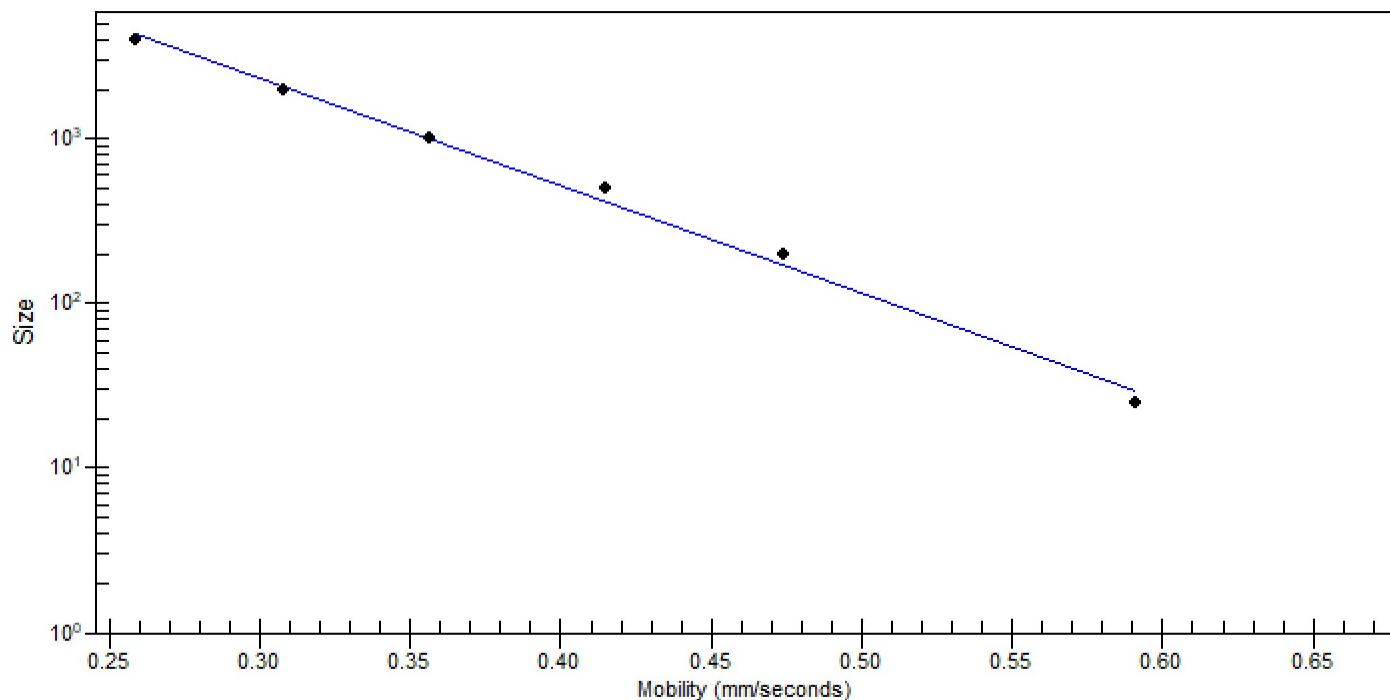


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad

Created: 8/8/2023 3:33:17 PM  
Modified: 8/8/2023 4:40:51 PM

**Curves**

**Standard Curve**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...r\2100 expert\data\2023-08-08\Nova0943\_T3-T4\_Post\_DNAse.xad  
 Created: 8/8/2023 3:33:17 PM  
 Modified: 8/8/2023 4:40:51 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		8/8/2023 3:56:15 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\2023-08-08\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-08-08_001.xad)		Instrument	Run		8/8/2023 3:33:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/8/2023 3:33:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/8/2023 3:33:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/8/2023 3:33:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/8/2023 3:33:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/8/2023 3:33:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/8/2023 3:33:22 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB