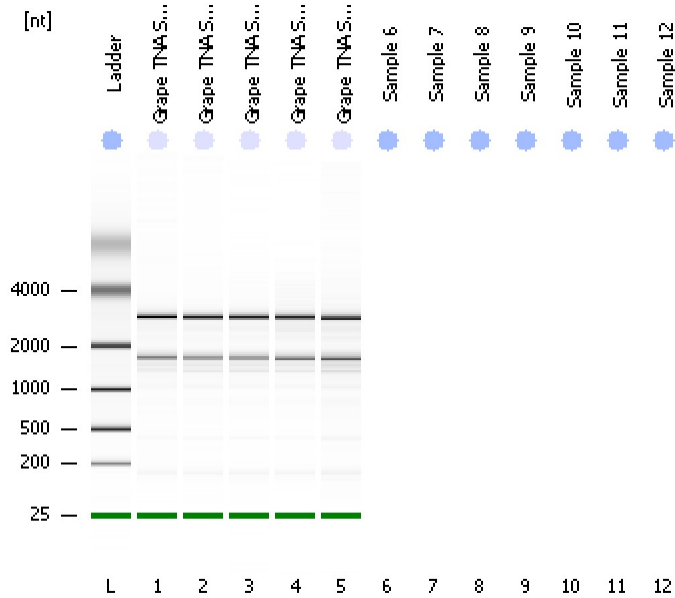


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
Modified: 8/22/2014 9:36:09 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

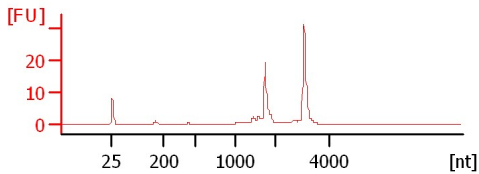
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

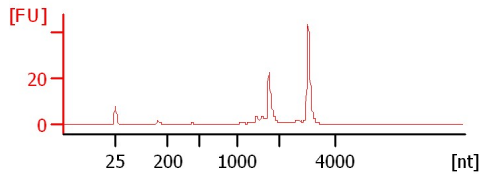
Chip Information:

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

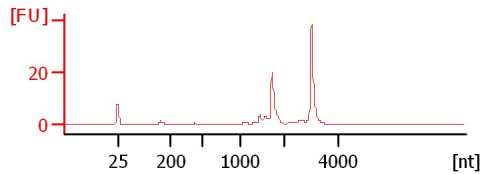
Grape TNA Sample #38
1:10 dil
RIN: 8.80



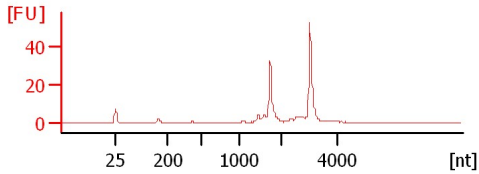
Grape TNA Sample #40
1:10 dil
RIN: 8.70



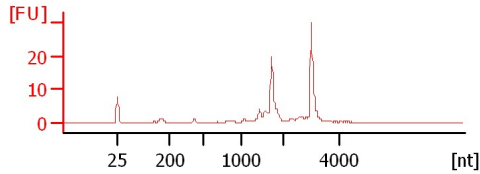
Grape TNA Sample #41
1:10 dil
RIN: 8.70



Grape TNA Sample #49
1:10 dil
RIN: 8.80



Grape TNA Sample #51
1:10 dil
RIN: 8.30



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
 Modified: 8/22/2014 9:36:09 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Grape TNA Sample #38	1:10 dil	✓	RIN: 8.80	
Grape TNA Sample #40	1:10 dil	✓	RIN: 8.70	
Grape TNA Sample #41	1:10 dil	✓	RIN: 8.70	
Grape TNA Sample #49	1:10 dil	✓	RIN: 8.80	
Grape TNA Sample #51	1:10 dil	✓	RIN: 8.30	
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
Modified: 8/22/2014 9:36:09 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ 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] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

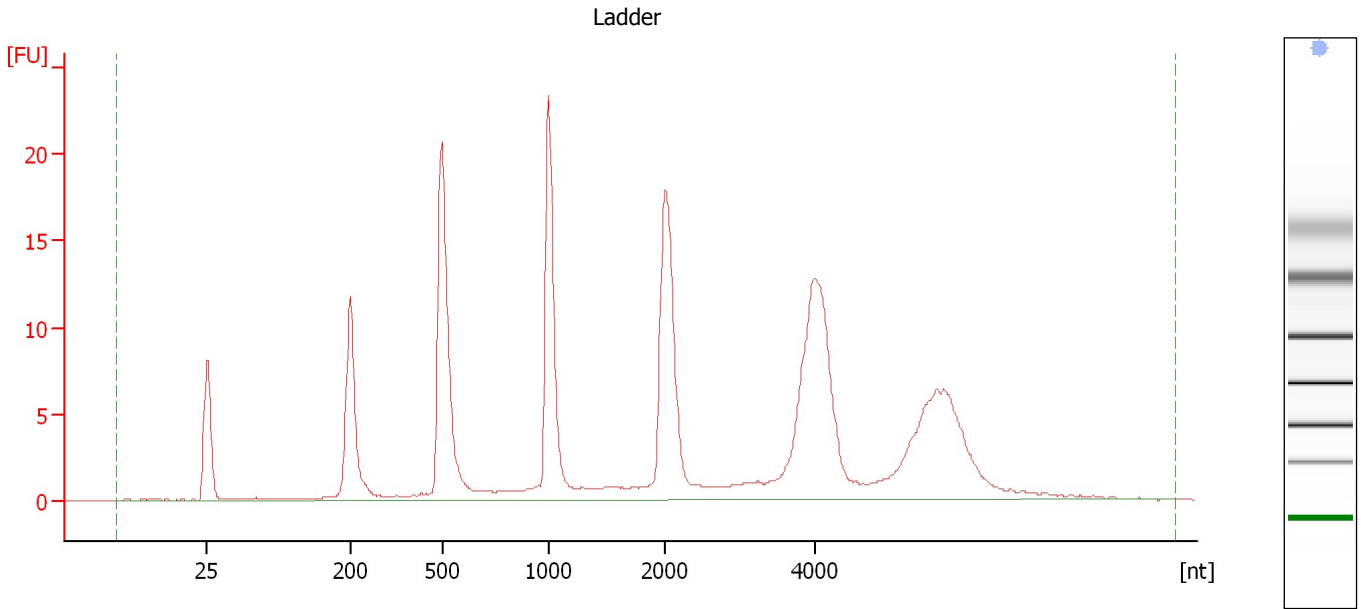
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
Modified: 8/22/2014 9:36:09 AM

Electropherogram Summary



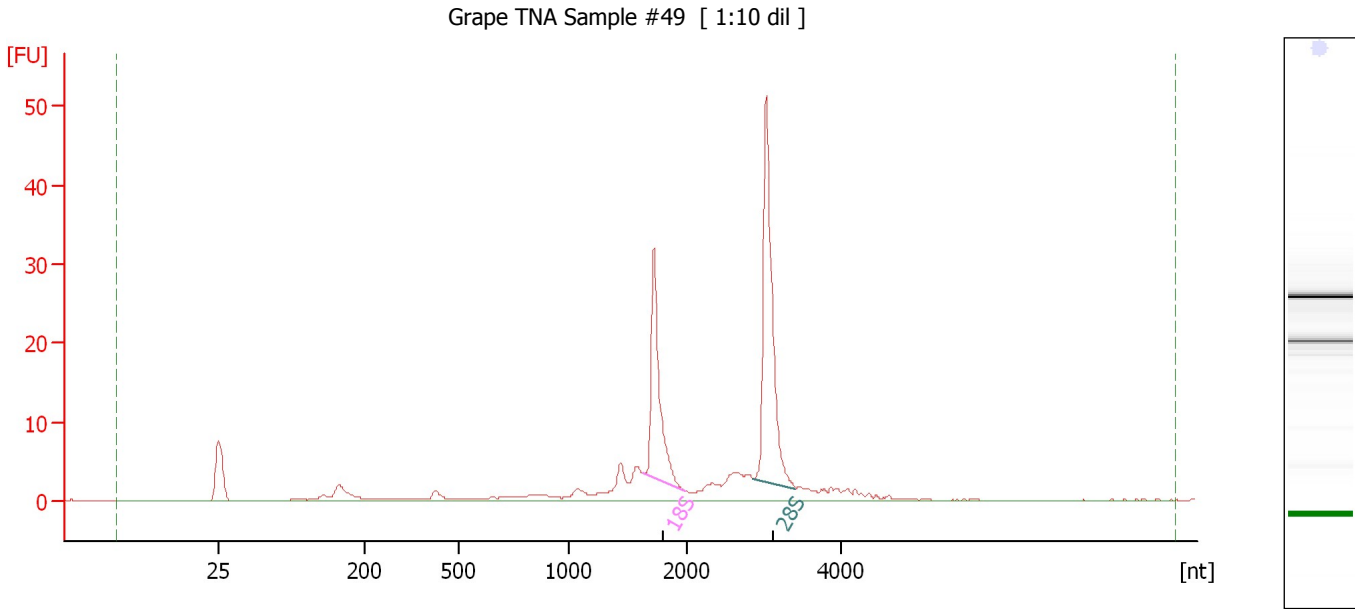
Overall Results for Ladder

RNA Area:	207.4	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
Modified: 8/22/2014 9:36:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Grape TNA Sample #49

RNA Area:	153.7	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	111 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.80

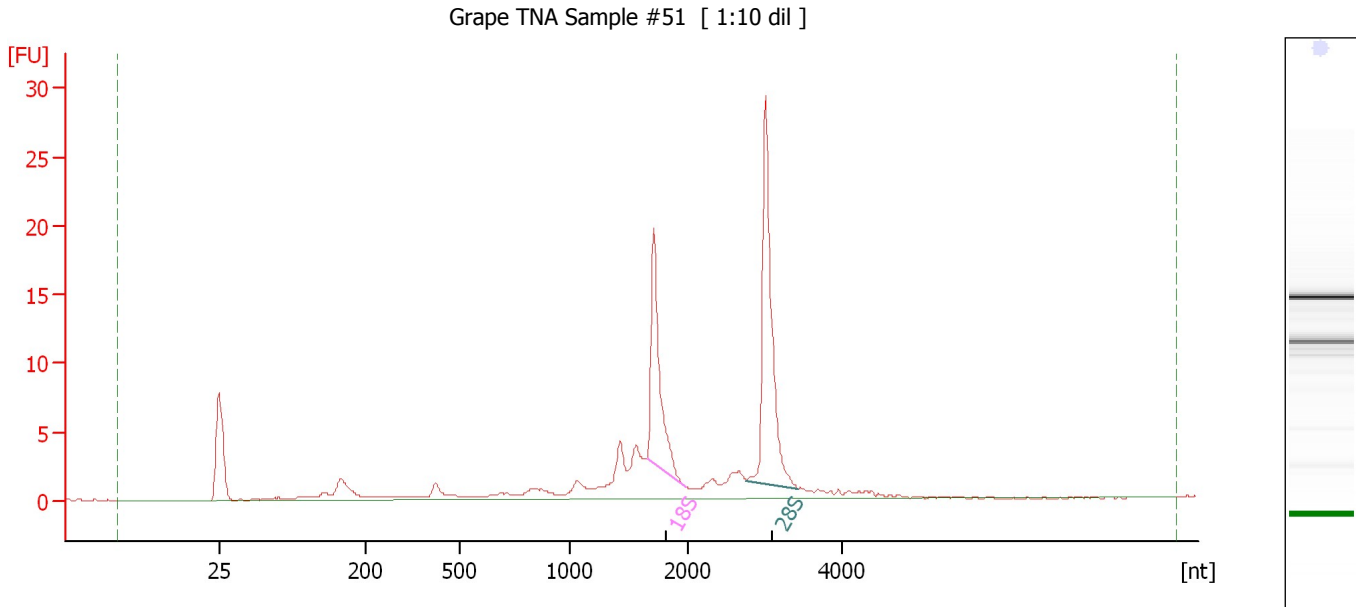
Fragment table for sample 4 : Grape TNA Sample #49

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,632	1,982	29.3	19.1
28S	2,860	3,400	46.7	30.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
 Modified: 8/22/2014 9:36:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Grape TNA Sample #51

RNA Area:	98.0	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	71 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.30

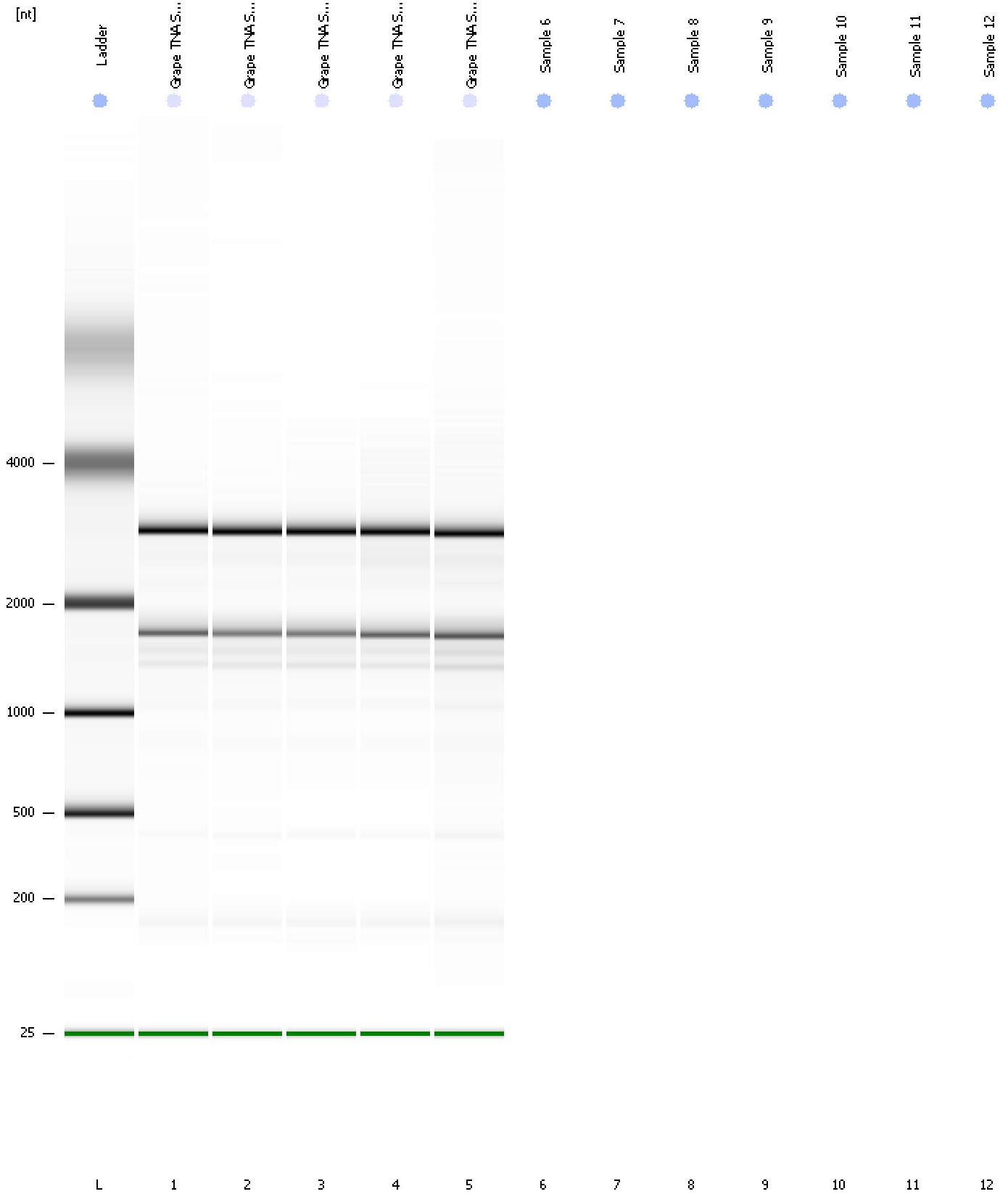
Fragment table for sample 5 : Grape TNA Sample #51

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,650	1,982	18.1	18.4
28S	2,749	3,428	27.6	28.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
Modified: 8/22/2014 9:36:09 AM

Gel Image

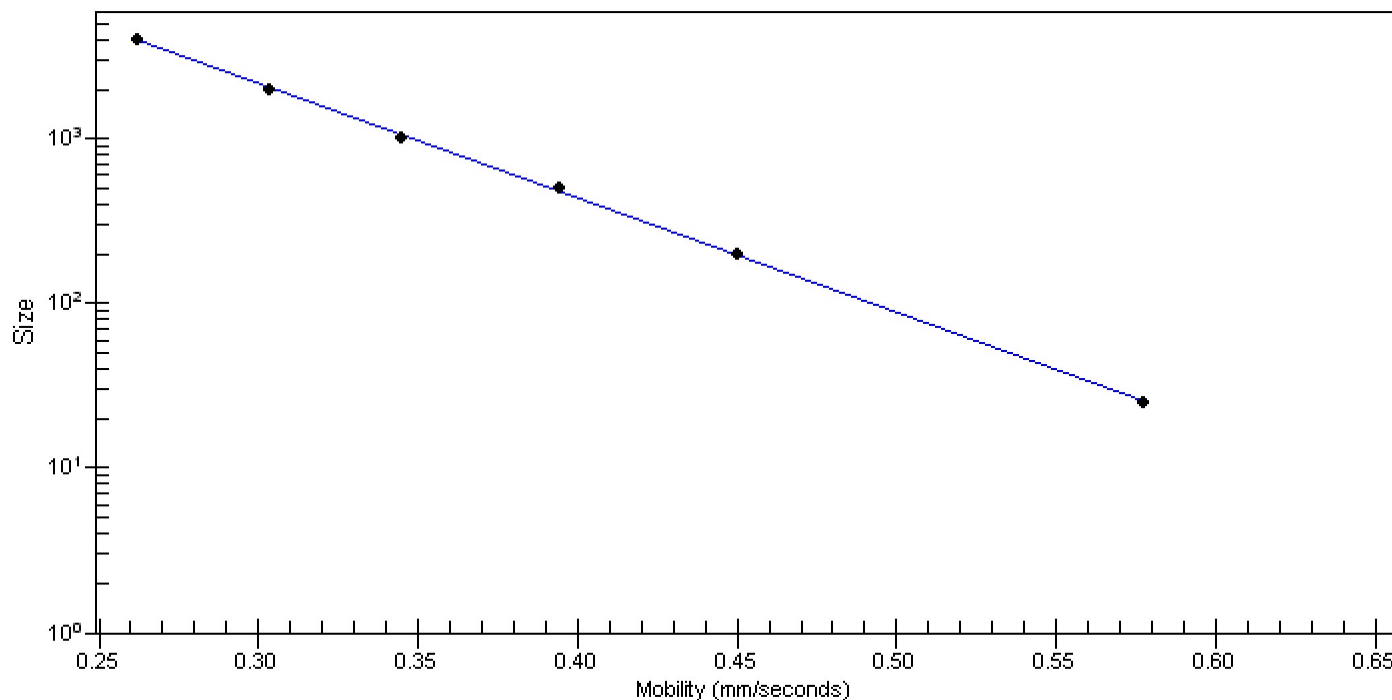


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
Modified: 8/22/2014 9:36:09 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
Modified: 8/22/2014 9:36:09 AM

Invalid Samples

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad

Created: 8/22/2014 9:21:53 AM
 Modified: 8/22/2014 9:36:09 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		8/22/2014 9:36:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2014-08-22\2014-08-22_001.xad)		Instrument	Run		8/22/2014 9:21:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/22/2014 9:21:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/22/2014 9:21:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/22/2014 9:21:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/22/2014 9:21:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/22/2014 9:21:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/22/2014 9:21:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1