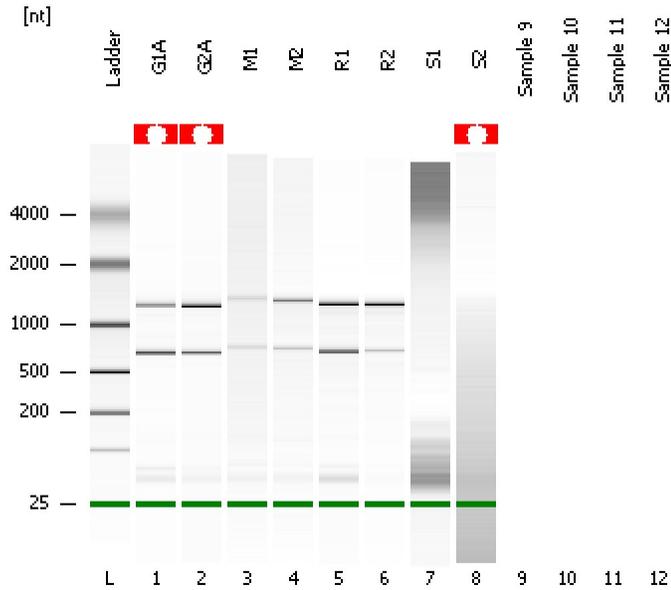


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

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\Prokaryote Total RNA Nano Series II.xsy

Assay Class: Prokaryote Total RNA Nano

Version: 2.5

Assay Comments: Total RNA Analysis ng sensitivity (Prokaryote)

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Chip Information:

Chip Lot #:

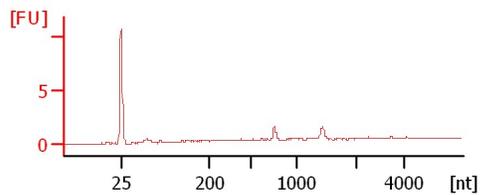
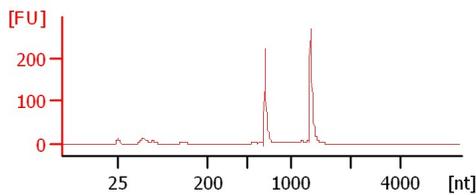
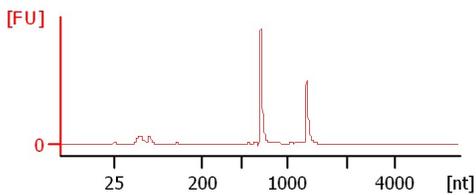
Reagent Kit Lot #:

Chip Comments:

G1A

G2A

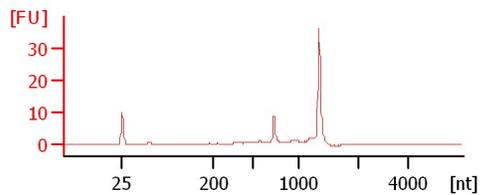
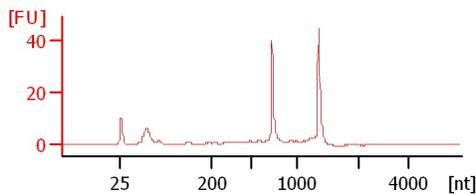
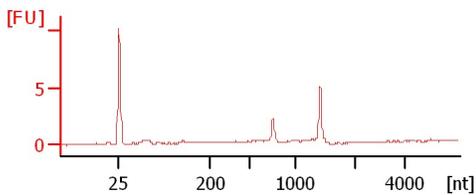
M1



M2

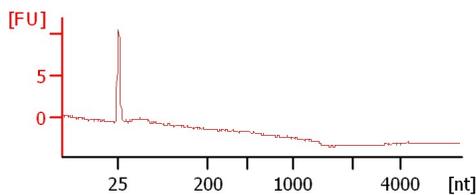
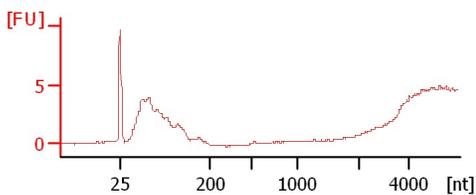
R1

R2



S1

S2



Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
G1A		✓		
G2A		✓		
M1		✓		
M2		✓		
R1		✓		
R2		✓		
S1		✓		
S2		✓		
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓		

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

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

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

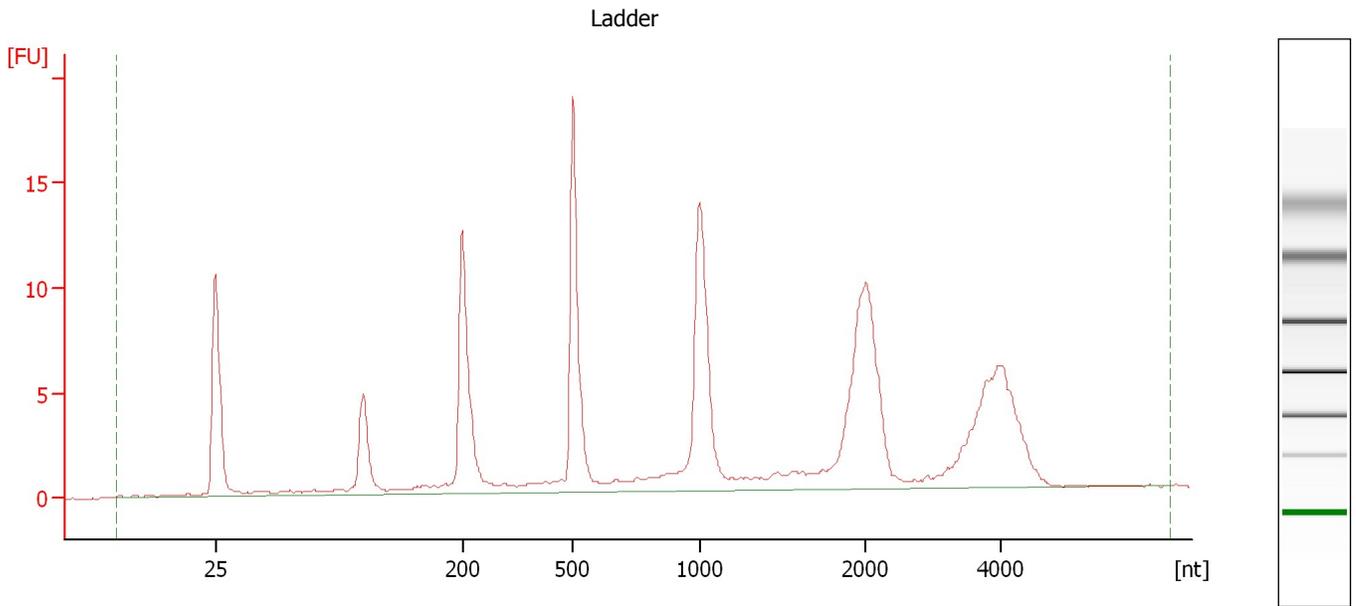
Ladder

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

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Electropherogram Summary



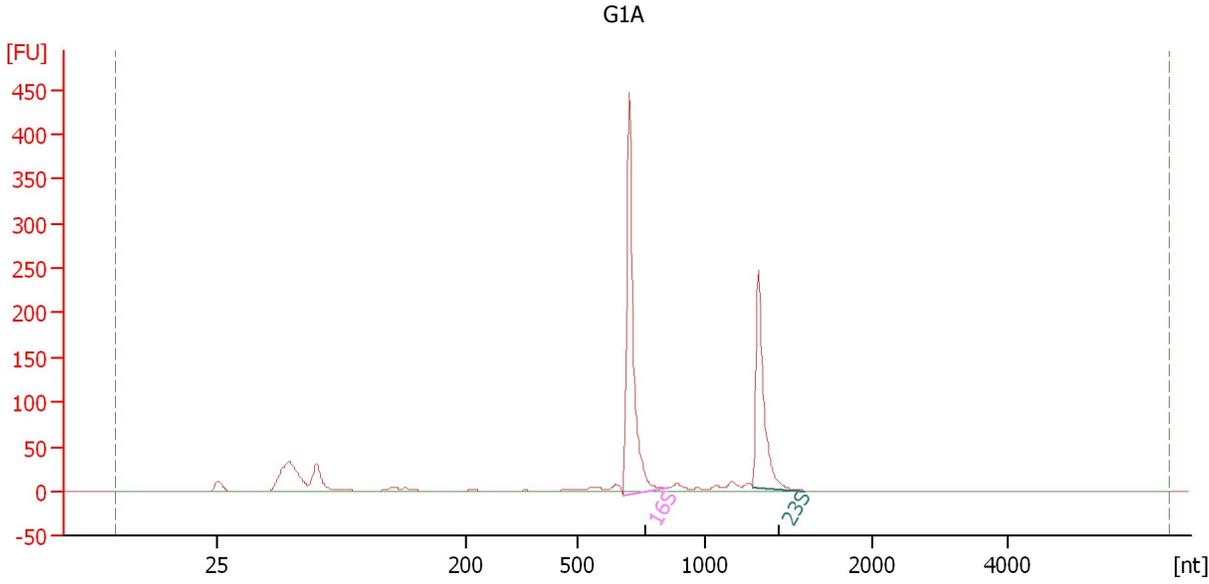
Overall Results for Ladder

RNA Area: 144.0 RNA Concentration: 150 ng/μl

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : G1A

RNA Area: 903.3 rRNA Ratio [23s / 16s]: 0.6
RNA Concentration: 941 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

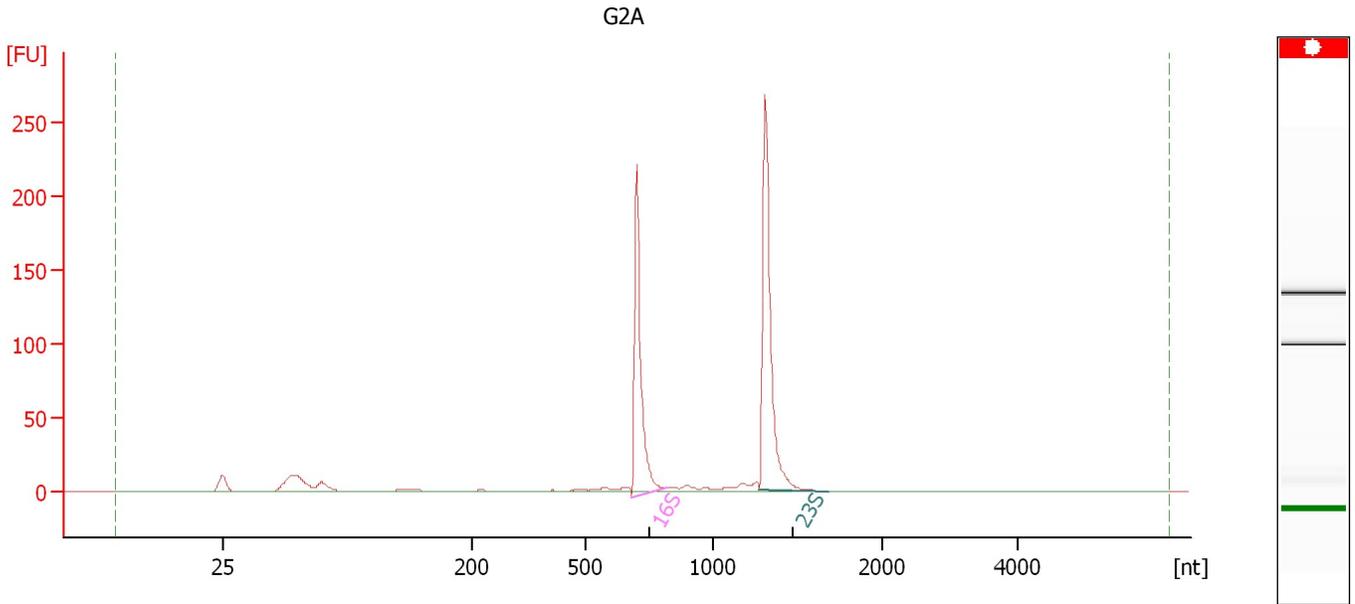
Fragment table for sample 1 : G1A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	679	862	379.4	42.0
23S	1,281	1,599	211.9	23.5

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : G2A

RNA Area: 501.1 rRNA Ratio [23s / 16s]: 1.2
RNA Concentration: 522 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

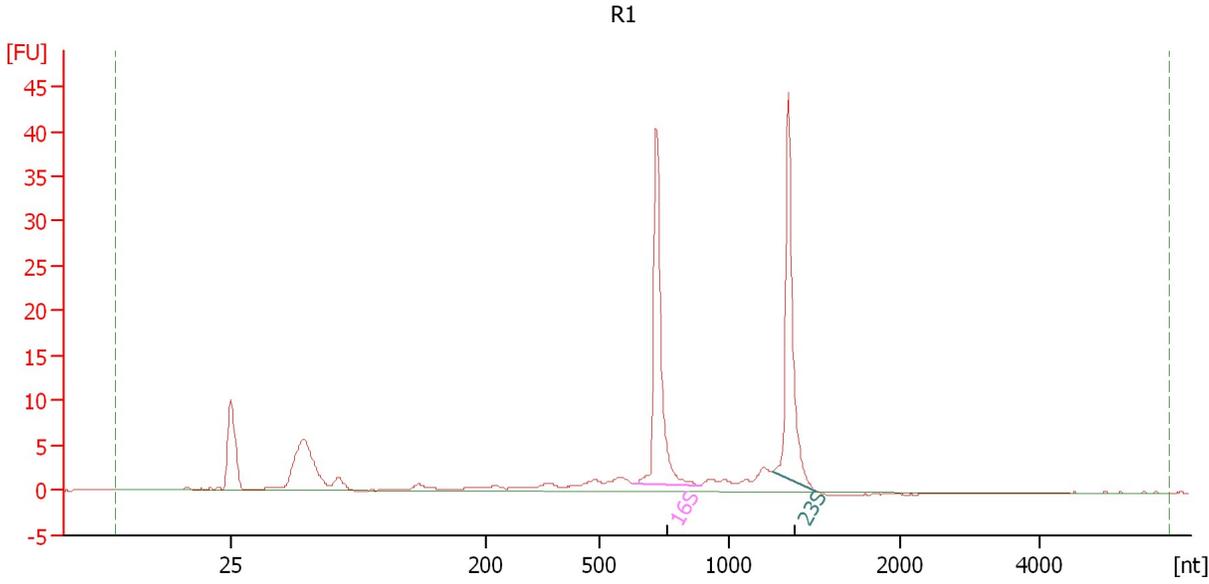
Fragment table for sample 2 : G2A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	682	823	173.7	34.7
23S	1,274	1,691	213.2	42.5

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : R1

RNA Area: 130.9 rRNA Ratio [23s / 16s]: 1.0
RNA Concentration: 136 ng/μl RNA Integrity Number (RIN): 8.9 (B.02.08)

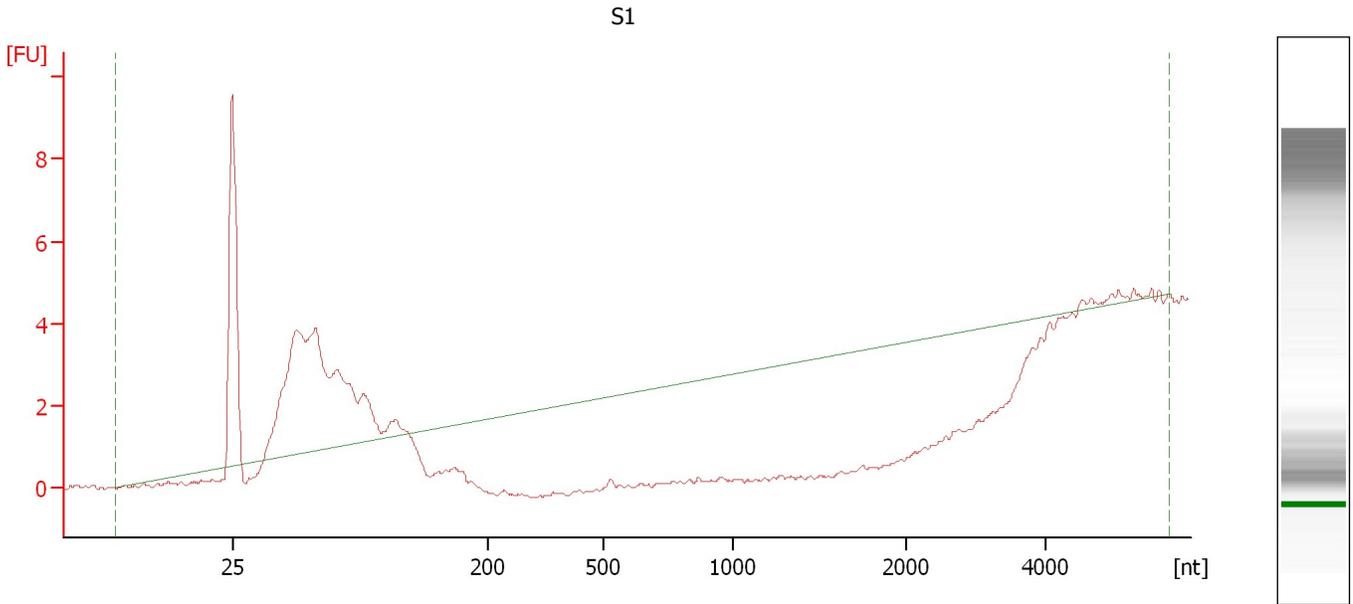
Fragment table for sample 5 : R1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	632	889	34.5	26.4
23S	1,247	1,508	33.2	25.3

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Electropherogram Summary Continued ...



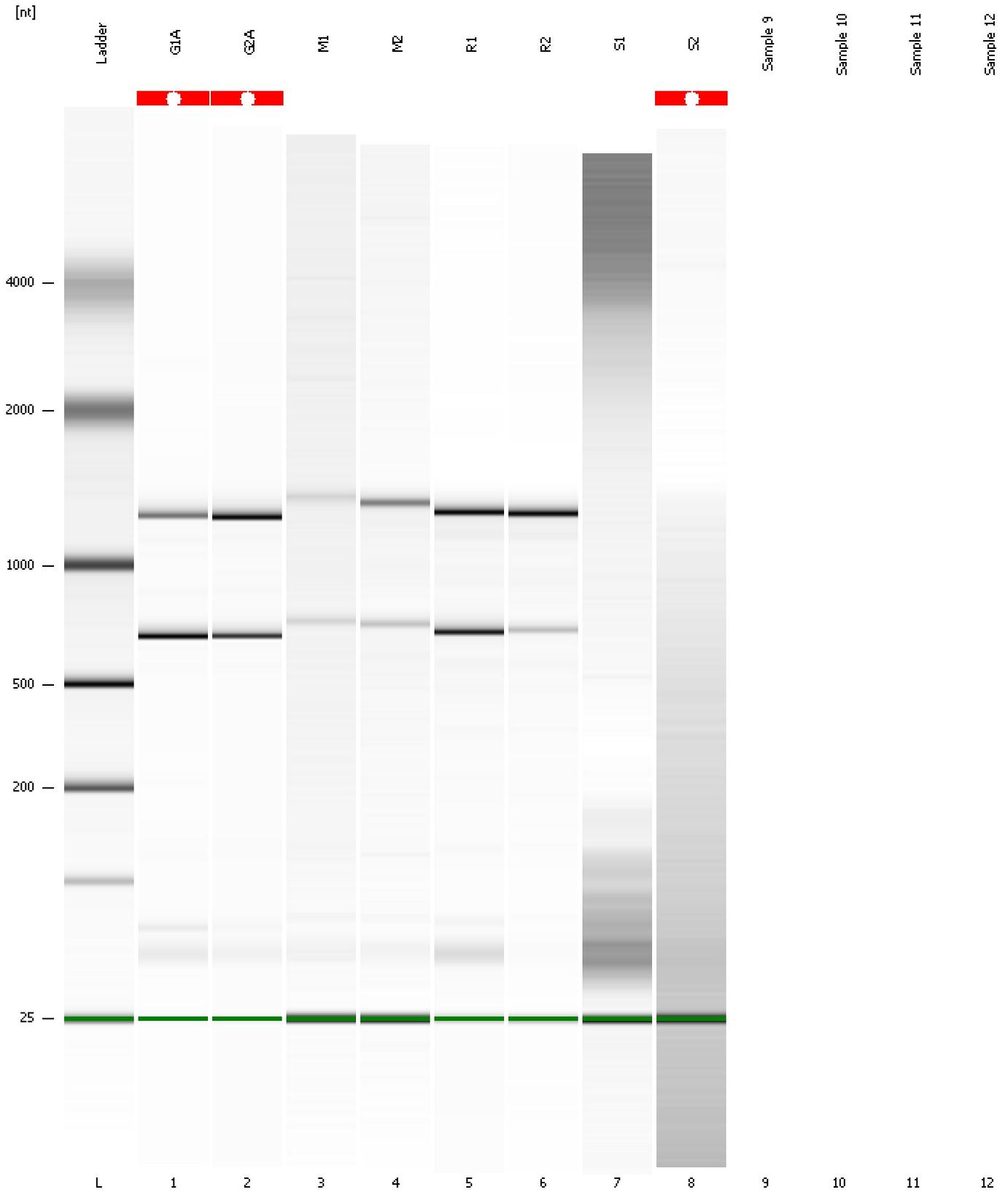
Overall Results for sample 7 : S1

RNA Area:	33.7	rRNA Ratio [23s / 16s]:	0.0
RNA Concentration:	35 ng/μl	RNA Integrity Number (RIN):	2.5 (B.02.08)

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Gel Image

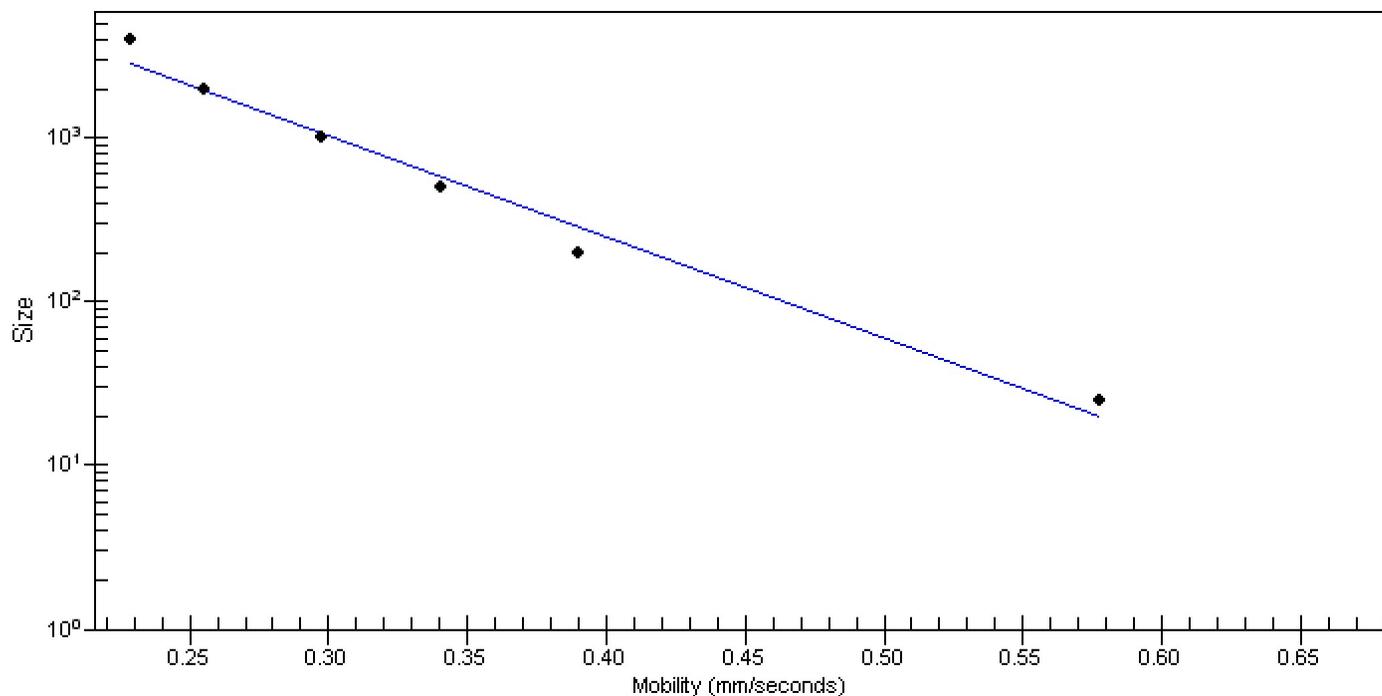


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Curves

Standard Curve



Assay Class: Prokaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
Modified: 3/31/2016 12:31:59 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad

Created: 3/31/2016 12:13:40 PM
 Modified: 3/31/2016 12:31:59 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		3/31/2016 12:31:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-03-31\2016-03-31_003.xad)		Instrument	Run		3/31/2016 12:13:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/31/2016 12:13:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/31/2016 12:13:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/31/2016 12:13:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/31/2016 12:13:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/31/2016 12:13:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/31/2016 12:13:45 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1