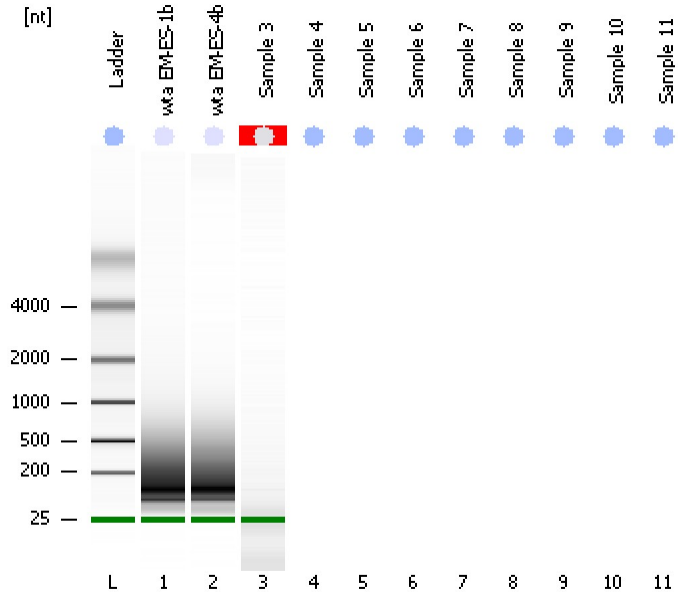


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Electrophoresis File Run Summary



Instrument Information:

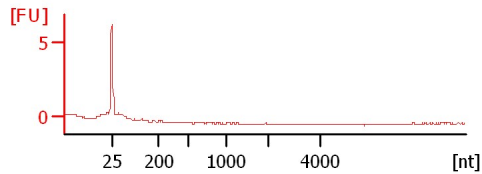
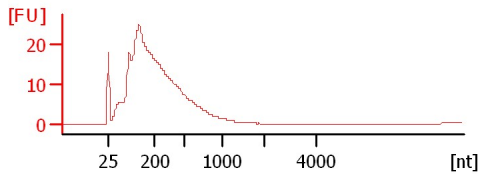
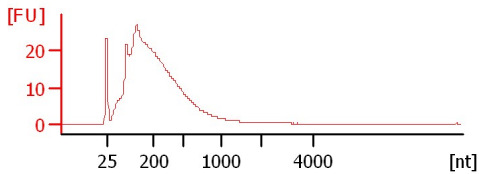
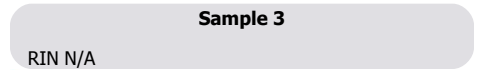
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
wta EM-ES-1b		✓	RIN: 2.30	
wta EM-ES-4b		✓	RIN: 2.30	
Sample 3		✓	RIN N/A	
Sample 4				
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

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

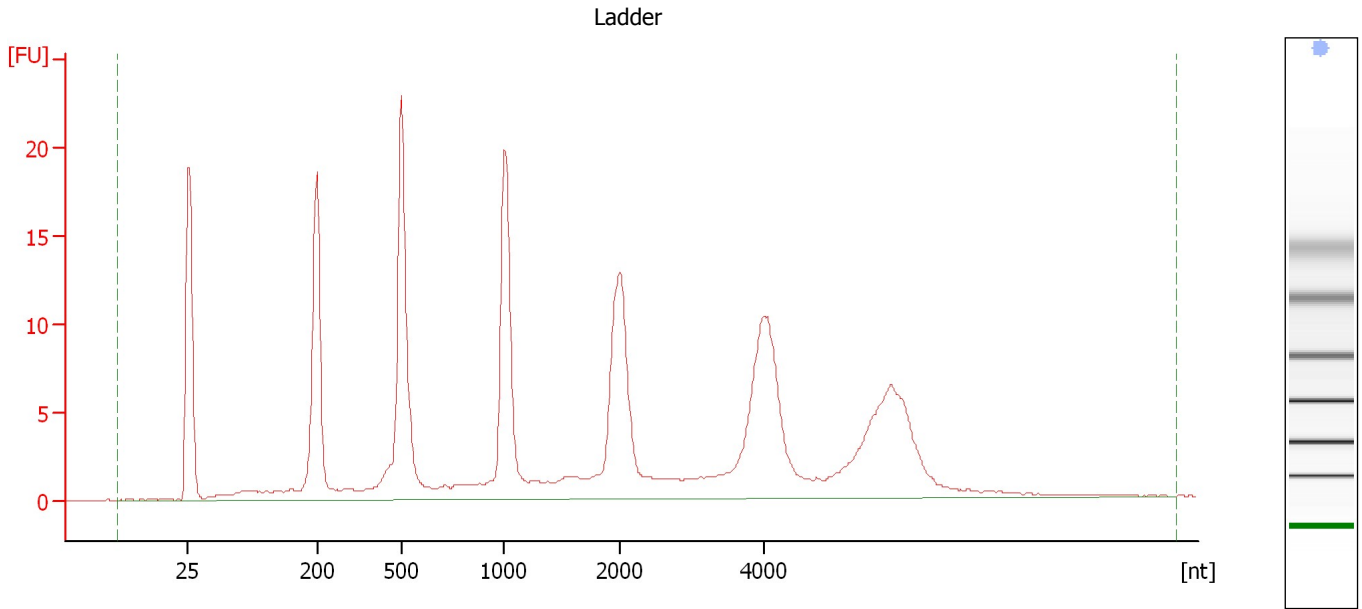
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Electropherogram Summary



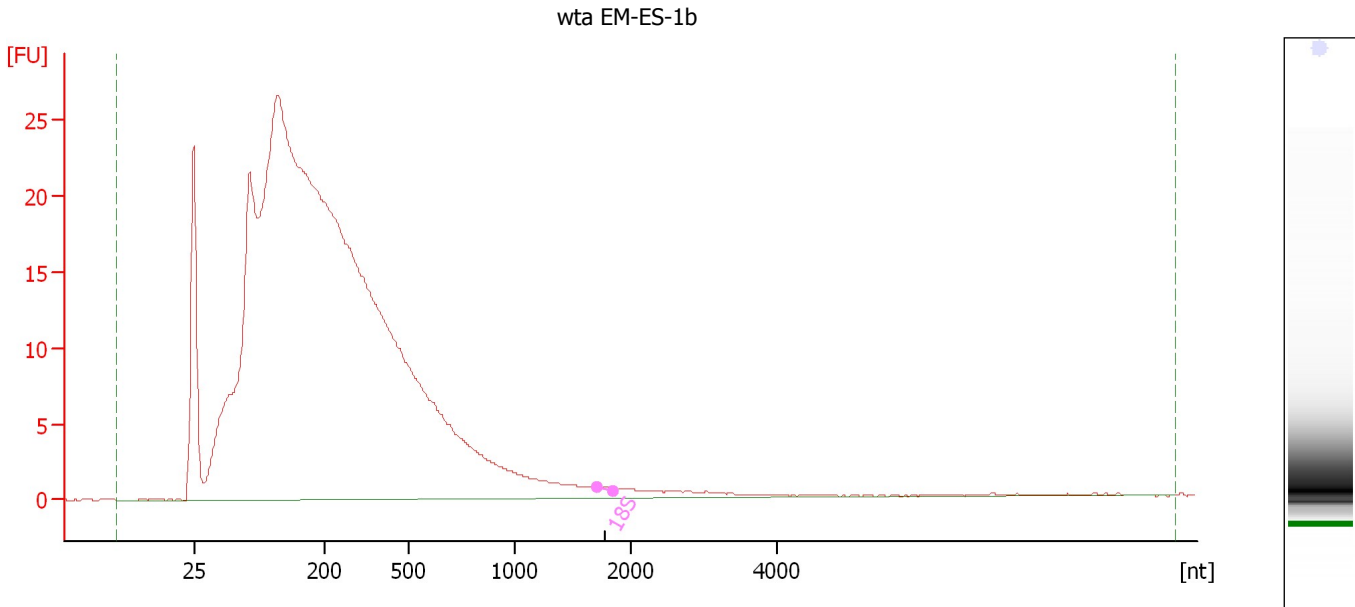
Overall Results for Ladder

RNA Area:	231.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : wta EM-ES-1b

RNA Area:	603.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,606 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

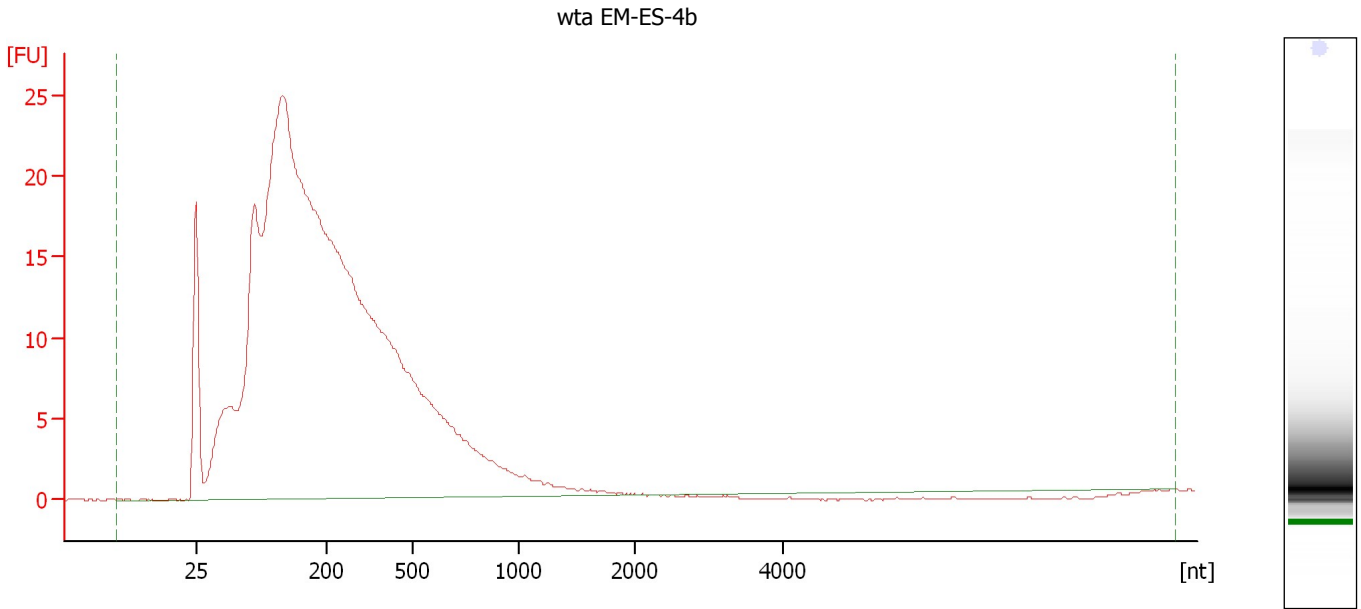
Fragment table for sample 1 : wta EM-ES-1b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	1,858	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : wta EM-ES-4b

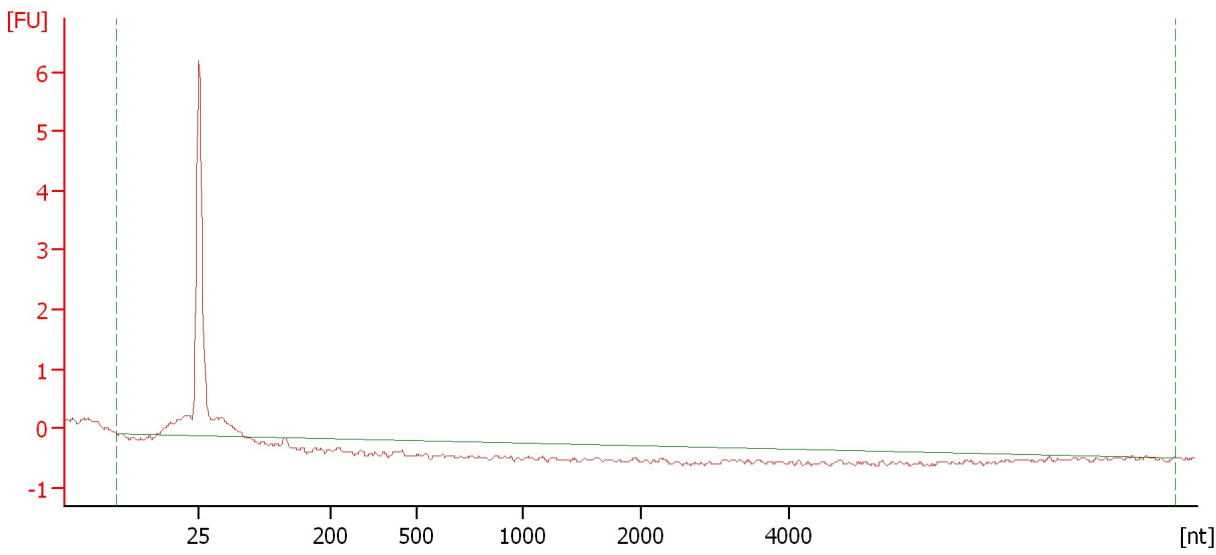
RNA Area:	506.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,189 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Electropherogram Summary Continued ...

Sample 3



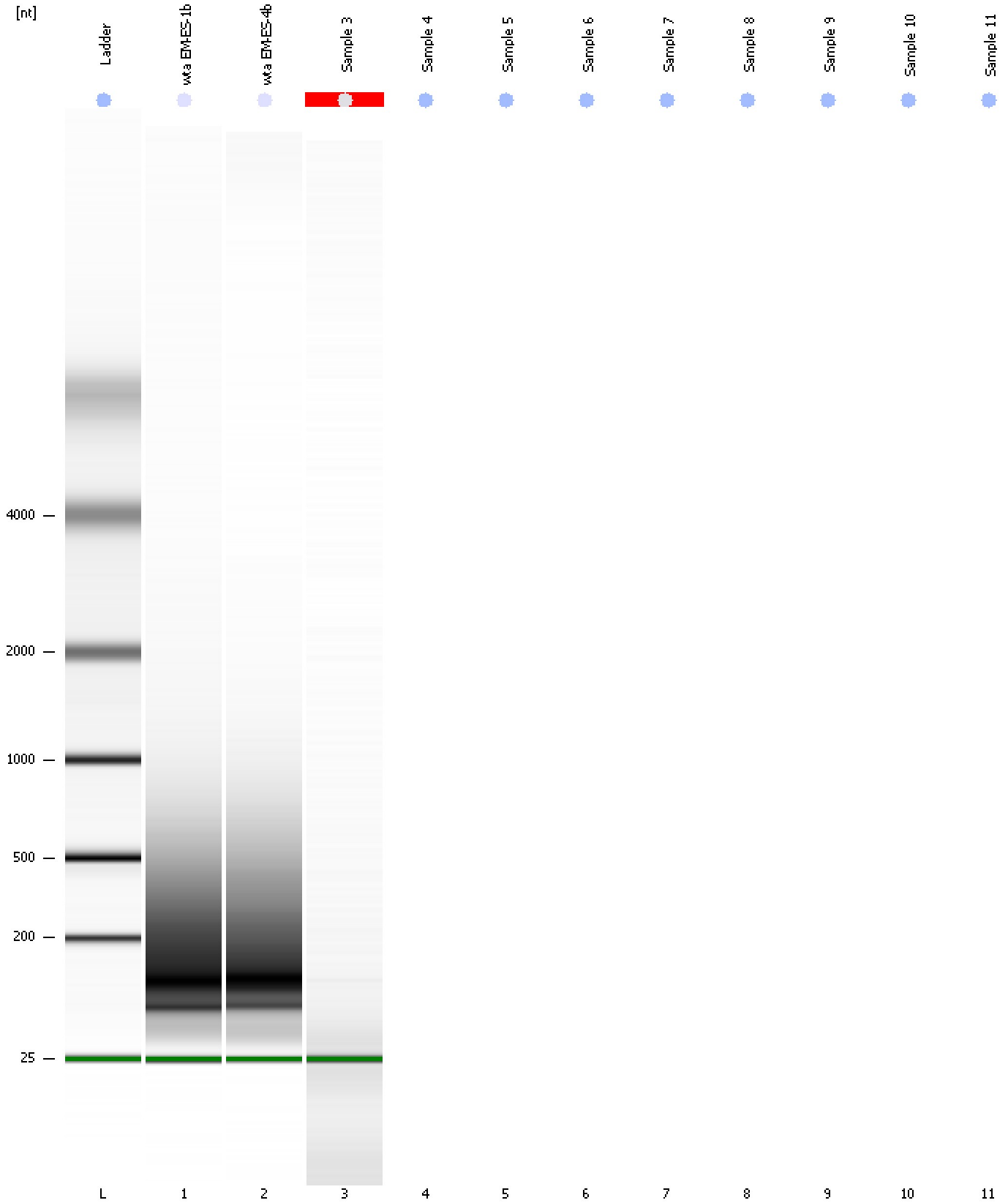
Overall Results for sample 3 : Sample 3

RNA Area:	2.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	11 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
Modified: 8/2/2013 10:49:39 AM

Invalid Samples

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

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.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ttings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad

Created: 8/2/2013 10:38:11 AM
 Modified: 8/2/2013 10:49:39 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		8/2/2013 10:49:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-08-01\2013-08-02\2013-08-02_001.xad)		Instrument	Run		8/2/2013 10:38:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/2/2013 10:38:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/2/2013 10:38:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/2/2013 10:38:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/2/2013 10:38:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/2/2013 10:38:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/2/2013 10:38:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1