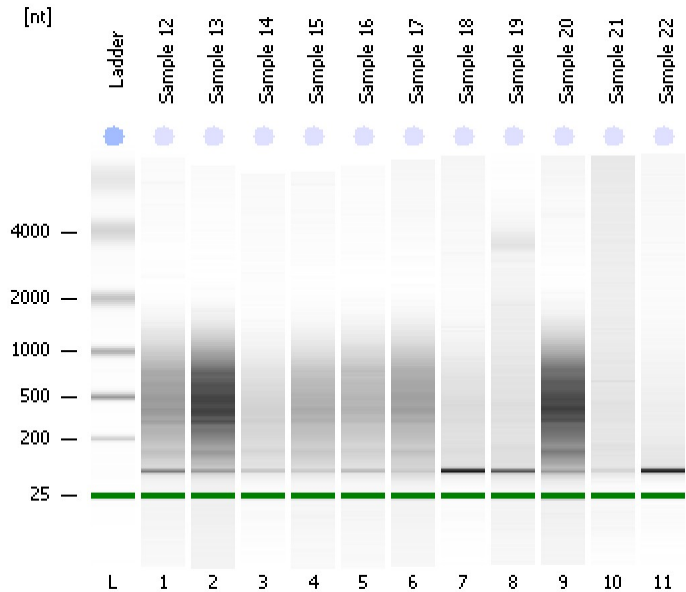


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electrophoresis File Run Summary



Instrument Information:

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

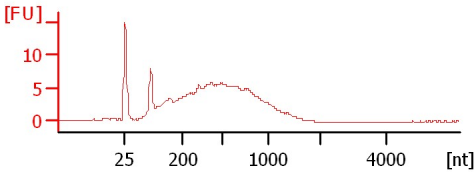
Assay Information:

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

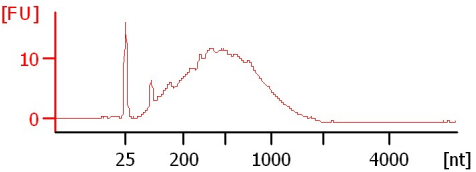
Chip Information:

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

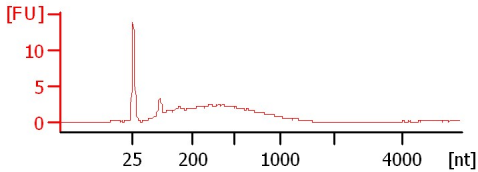
Sample 12
RIN: 2.70



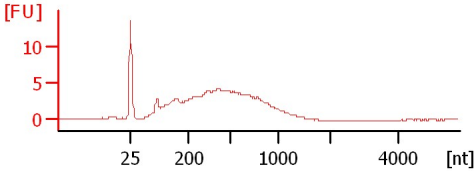
Sample 13
RIN: 2



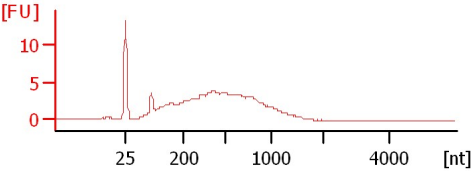
Sample 14
RIN: 2.10



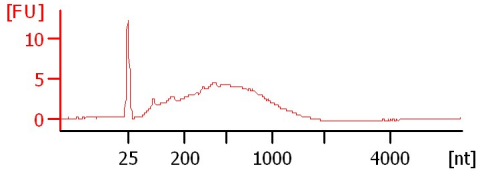
Sample 15
RIN: 2.30



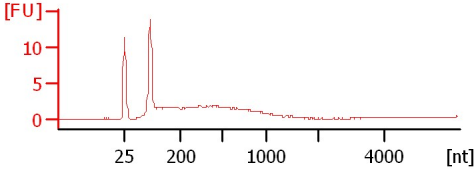
Sample 16
RIN: 2.20



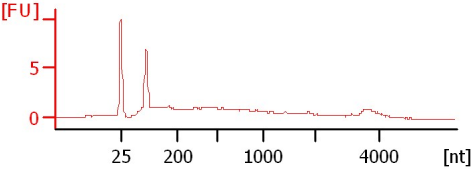
Sample 17
RIN: 2.30



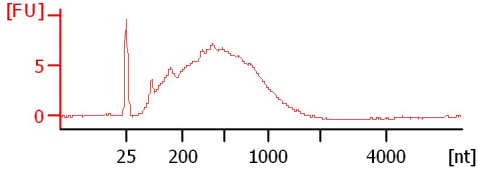
Sample 18
RIN: 2.20



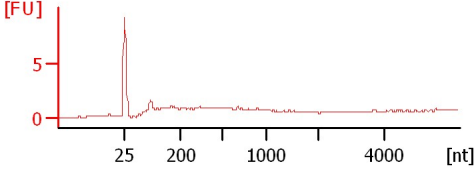
Sample 19
RIN: 2.40



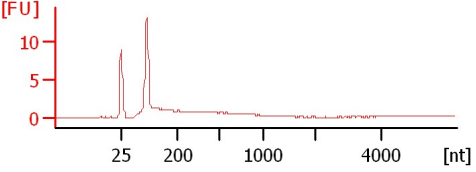
Sample 20
RIN: 2.10



Sample 21
RIN: 1.60



Sample 22
RIN: 2.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
 Modified: 4/24/2015 3:39:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 12		✓	RIN: 2.70	
Sample 13		✓	RIN:2	
Sample 14		✓	RIN: 2.10	
Sample 15		✓	RIN: 2.30	
Sample 16		✓	RIN: 2.20	
Sample 17		✓	RIN: 2.30	
Sample 18		✓	RIN: 2.20	
Sample 19		✓	RIN: 2.40	
Sample 20		✓	RIN: 2.10	
Sample 21		✓	RIN: 1.60	
Sample 22		✓	RIN: 2.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 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

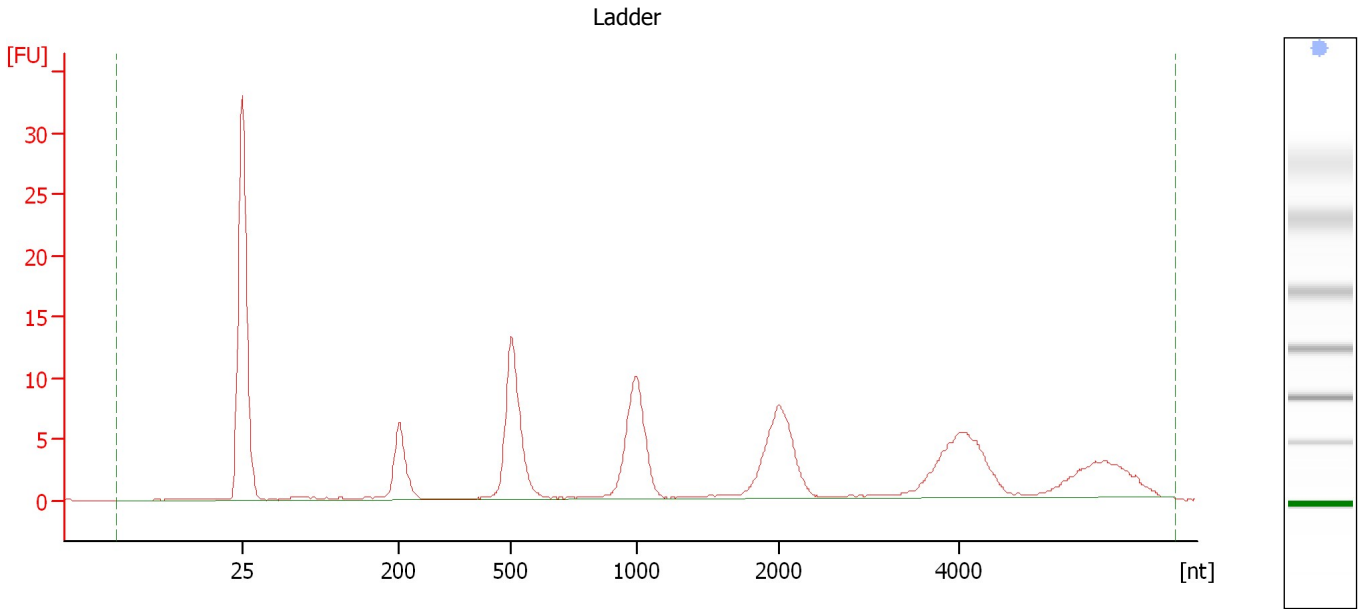
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary



Overall Results for Ladder

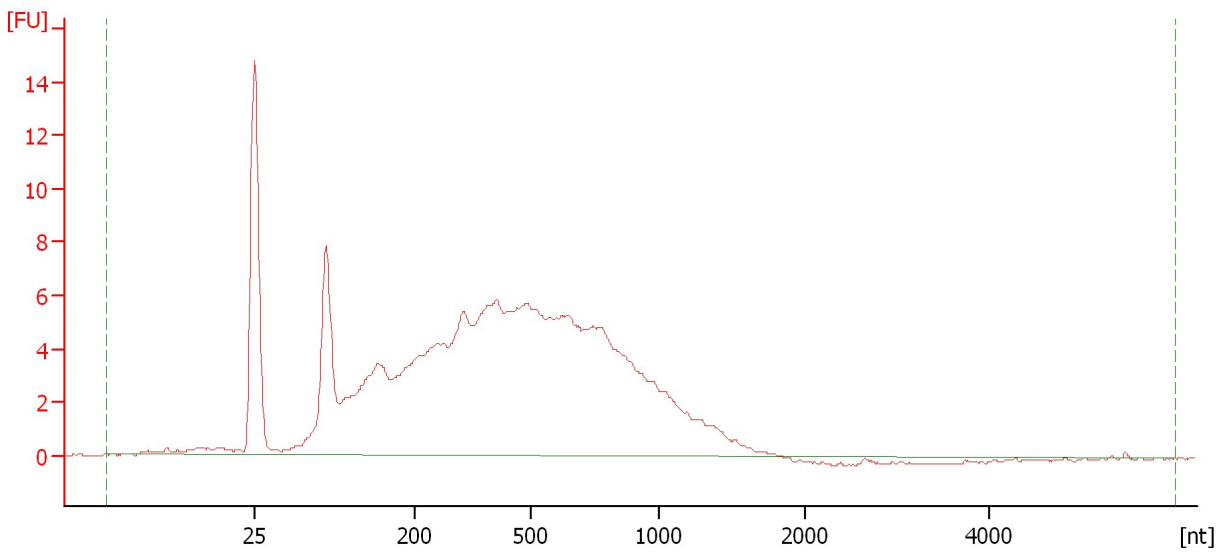
RNA Area:	137.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 12



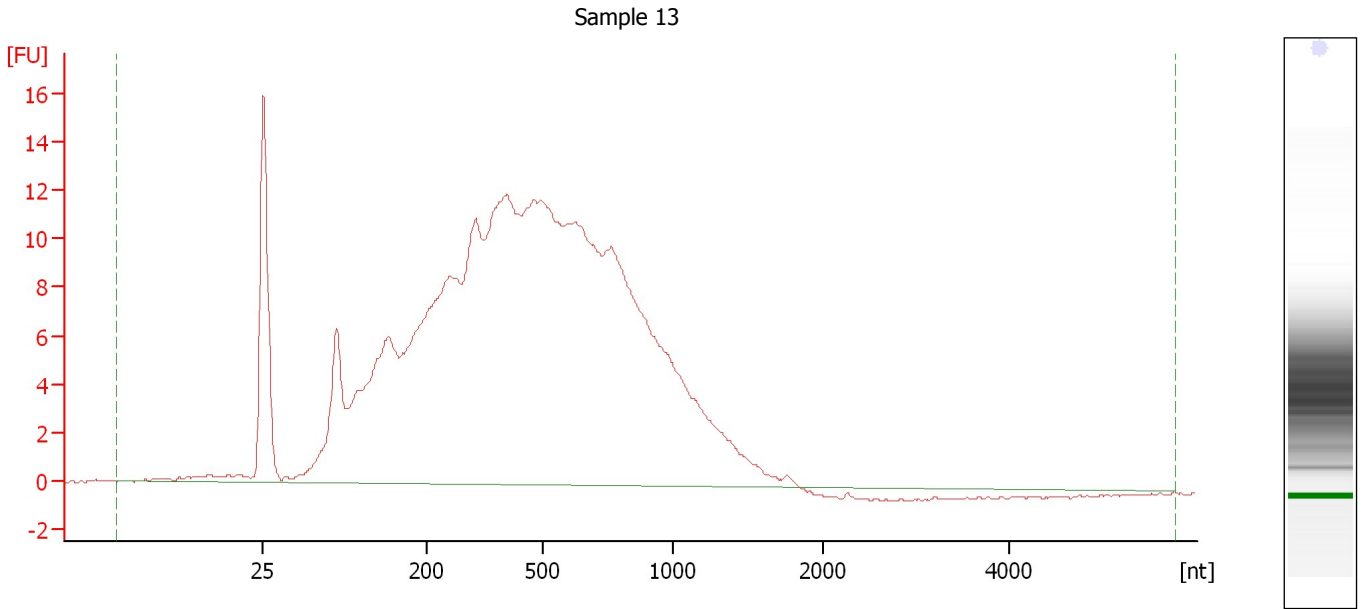
Overall Results for sample 1 : Sample 12

RNA Area:	202.9	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	1,476 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 13

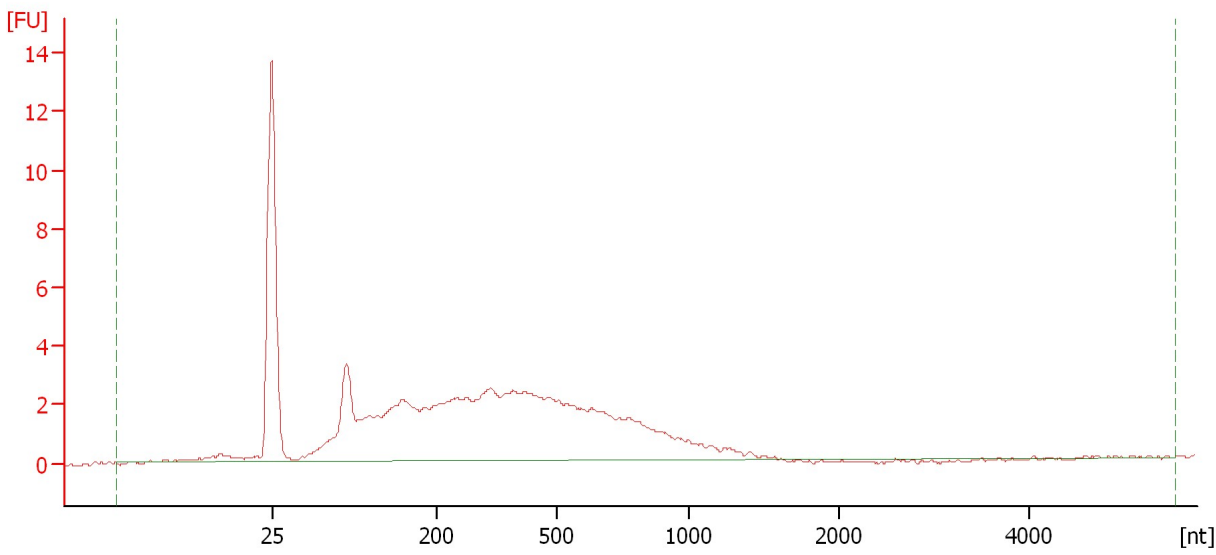
RNA Area:	384.9	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	2,800 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 14



Overall Results for sample 3 : Sample 14

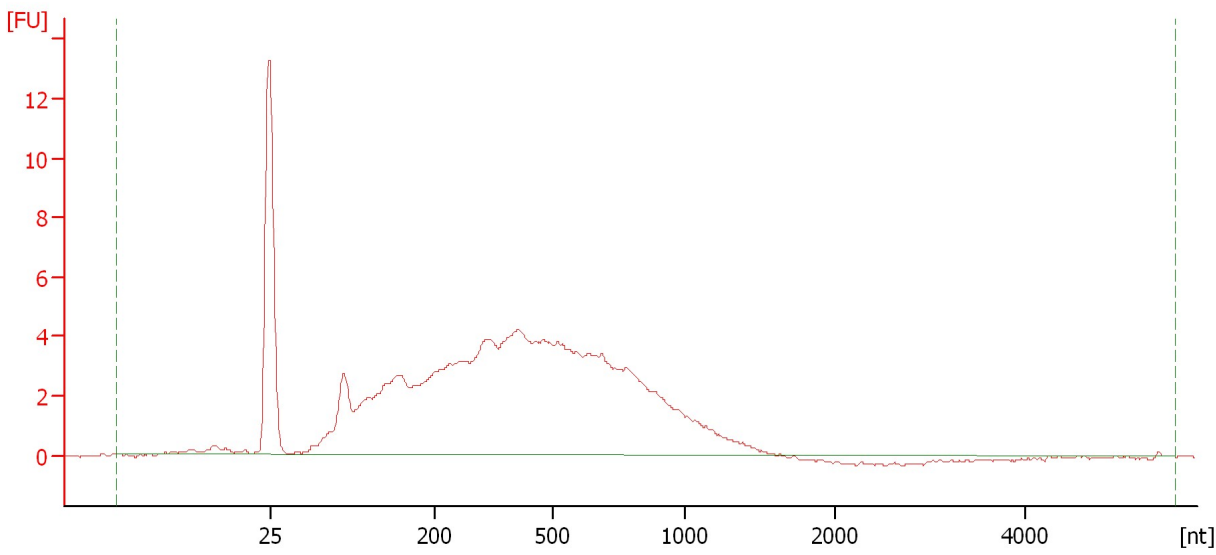
RNA Area:	87.1	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	634 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 15



Overall Results for sample 4 : Sample 15

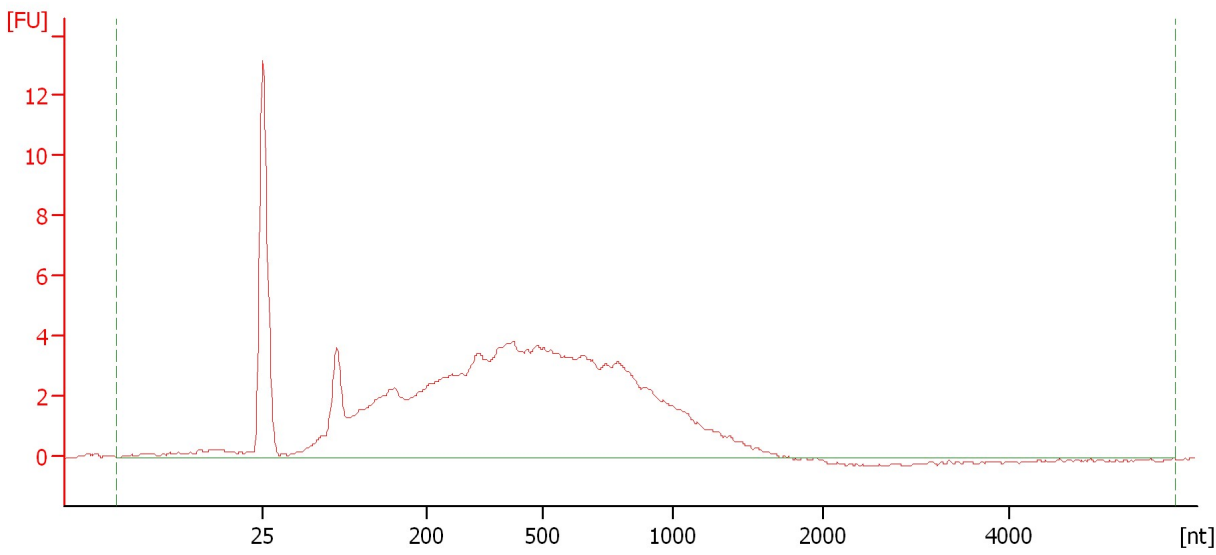
RNA Area:	135.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	986 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 16



Overall Results for sample 5 : Sample 16

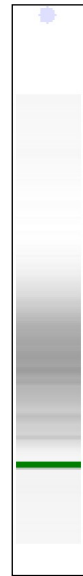
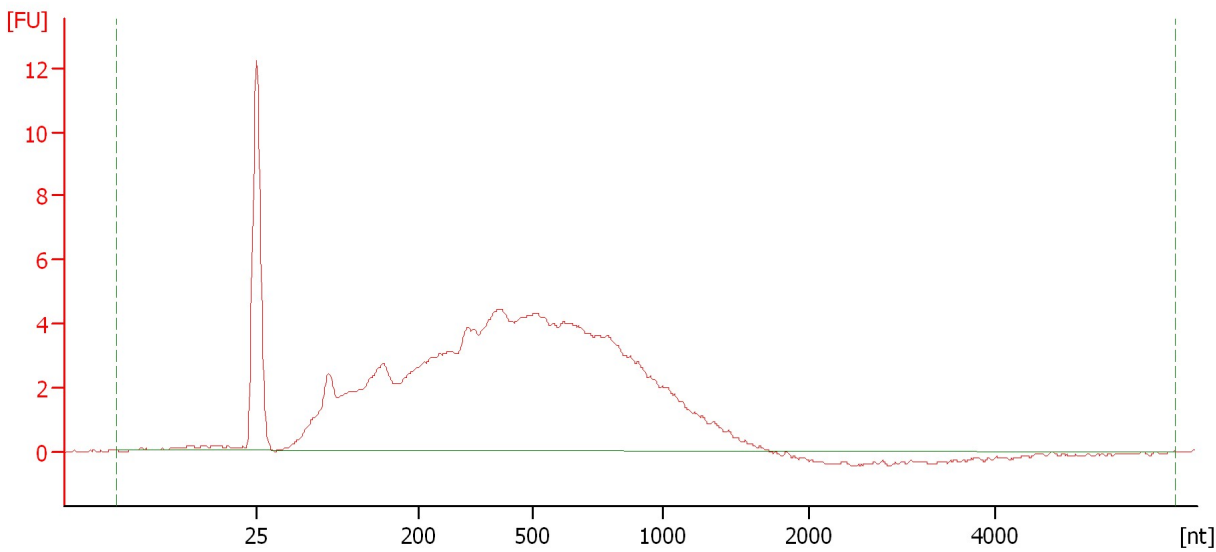
RNA Area:	133.0	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	968 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 17



Overall Results for sample 6 : Sample 17

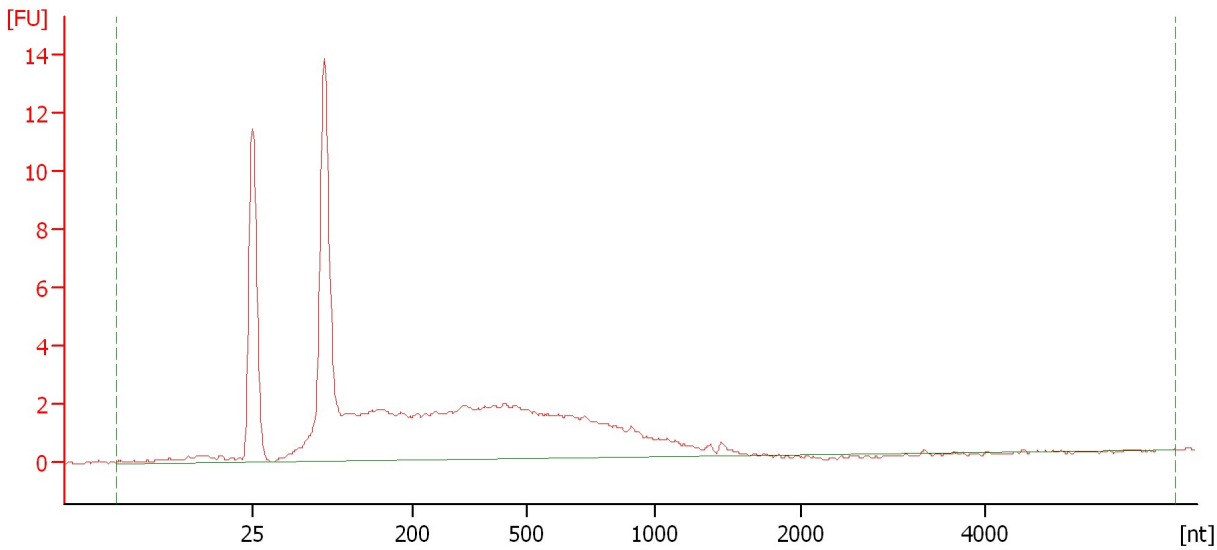
RNA Area:	147.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,071 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 18



Overall Results for sample 7 : Sample 18

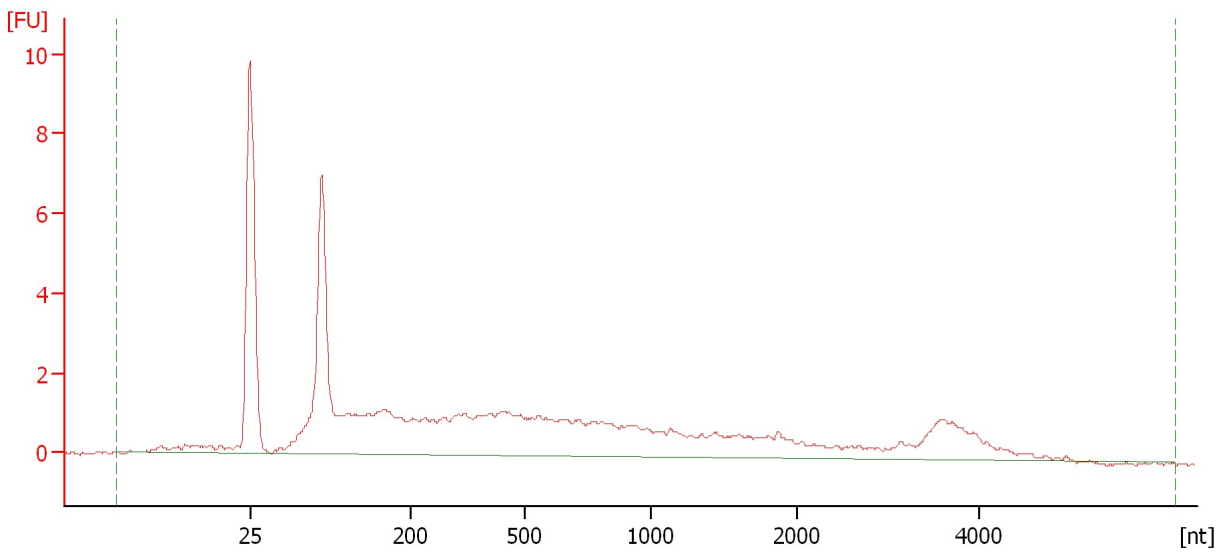
RNA Area:	92.7	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	674 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 19



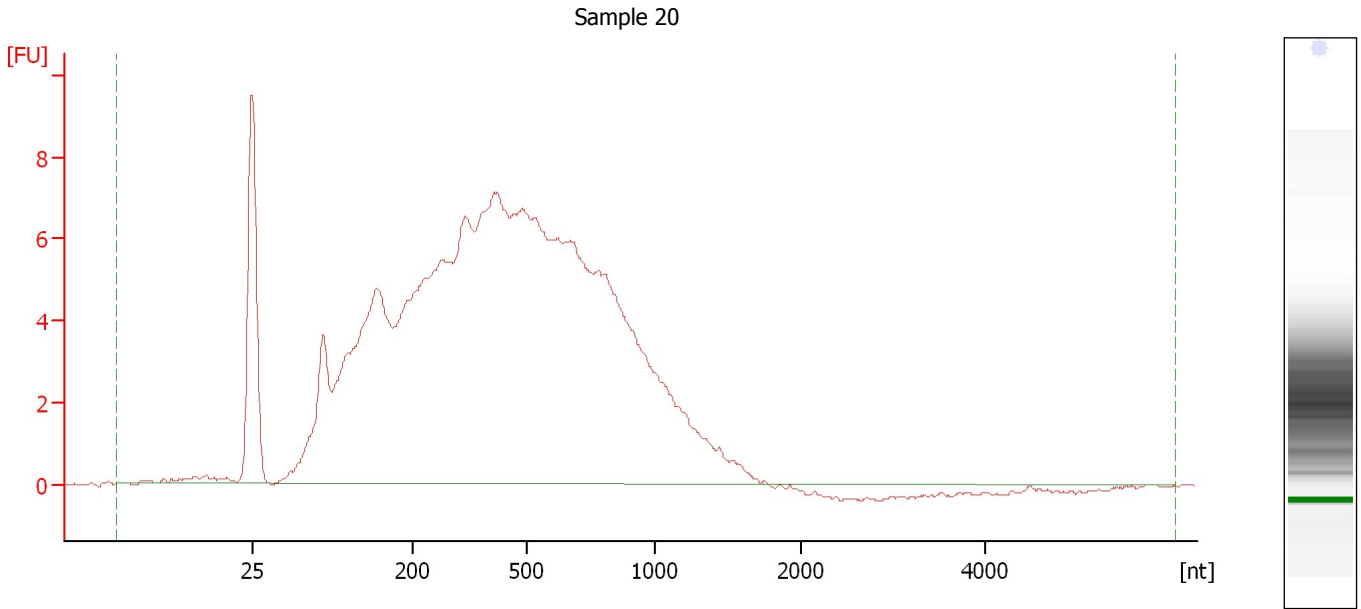
Overall Results for sample 8 : Sample 19

RNA Area:	71.6	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	520 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 20

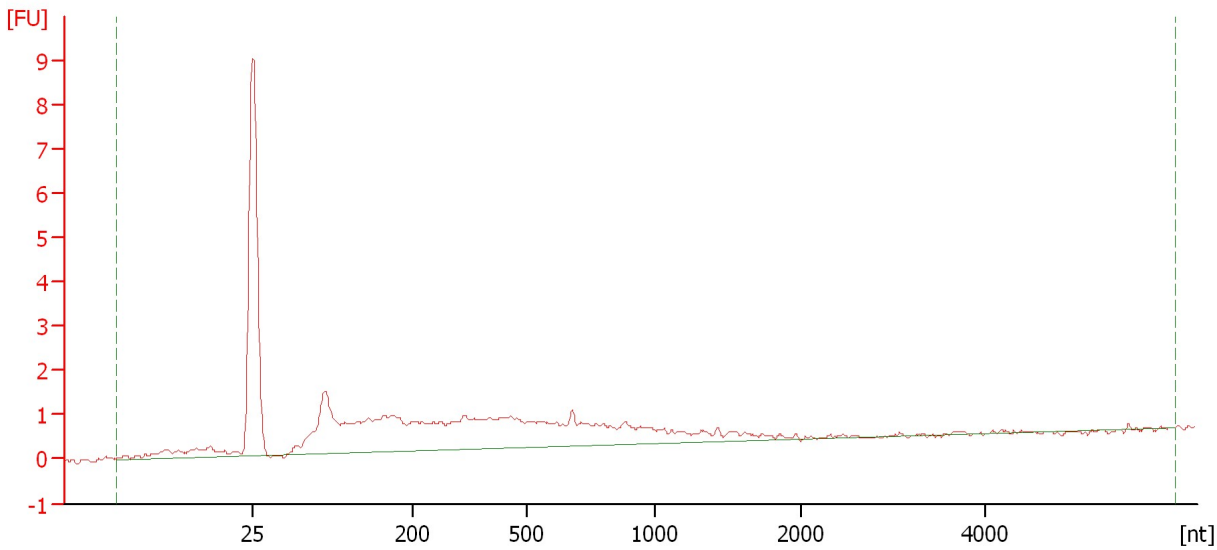
RNA Area:	234.6	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	1,706 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 21



Overall Results for sample 10 : Sample 21

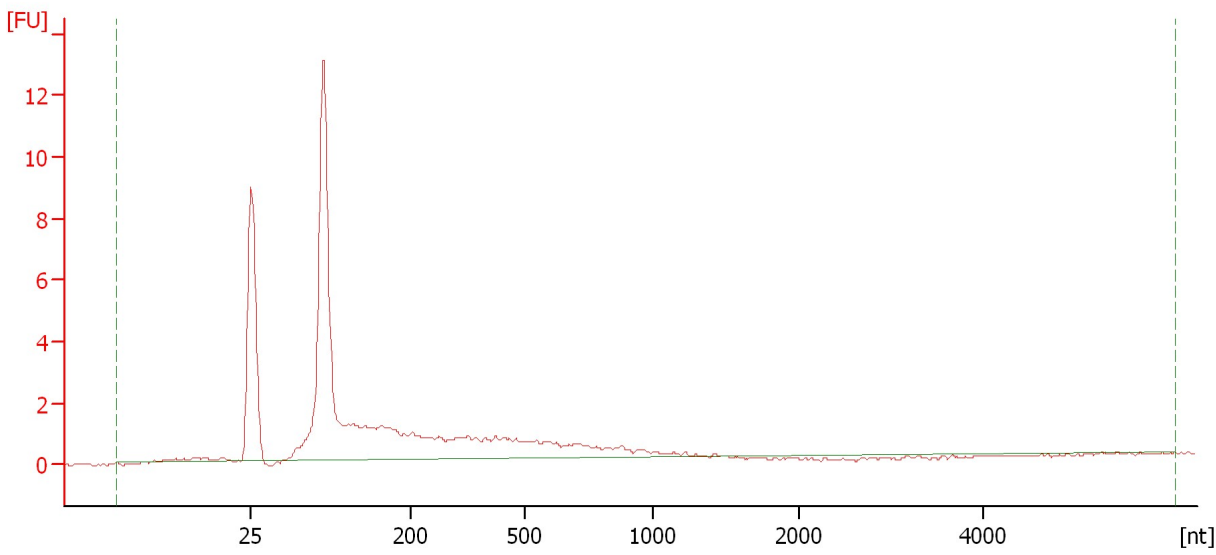
RNA Area:	34.7	RNA Integrity Number (RIN):	1.6 (B.02.08)
RNA Concentration:	252 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Electropherogram Summary Continued ...

Sample 22



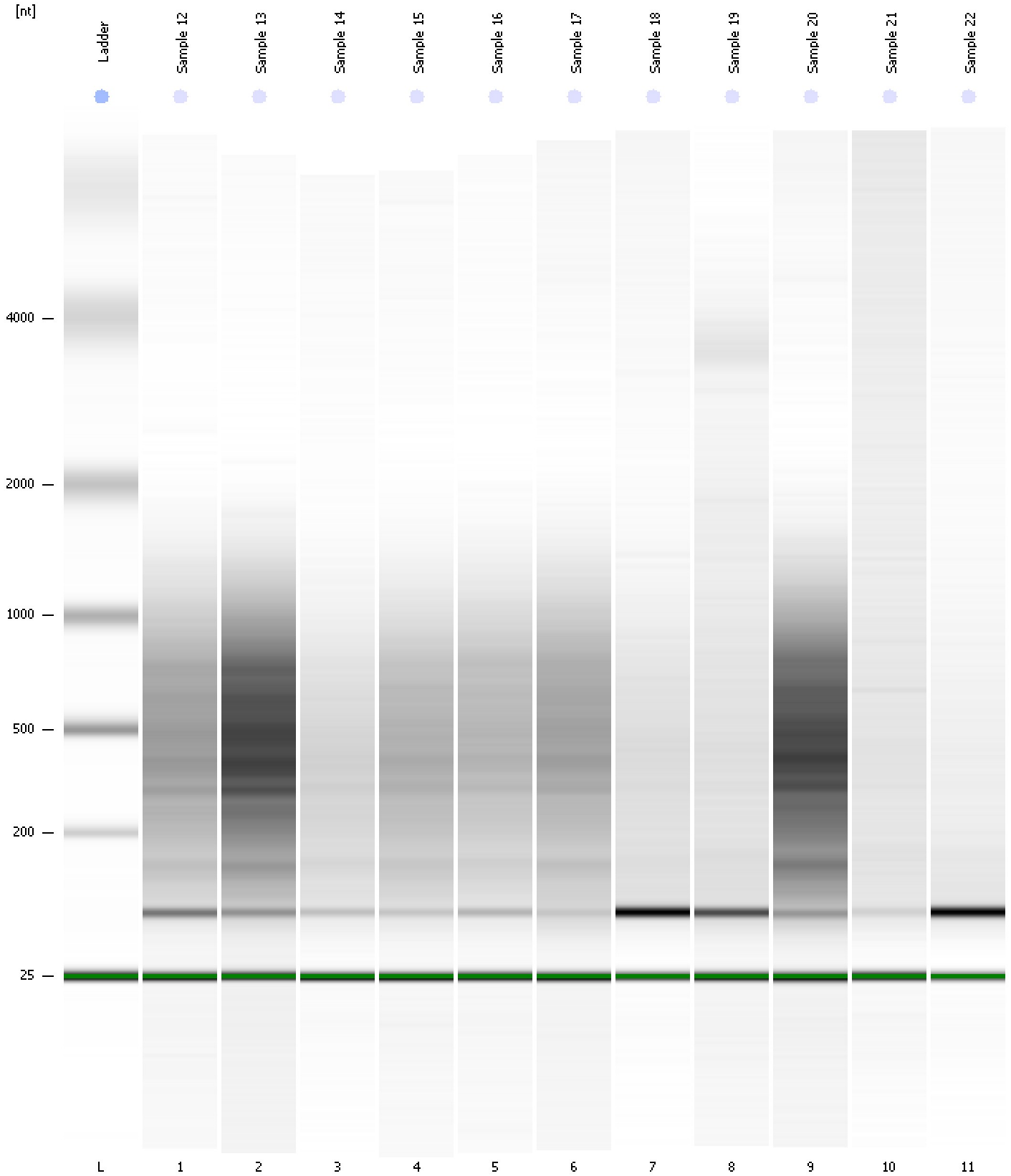
Overall Results for sample 11 : Sample 22

RNA Area:	55.3	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	402 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:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
Modified: 4/24/2015 3:39:03 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad

Created: 4/24/2015 3:15:25 PM
 Modified: 4/24/2015 3:39:03 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		4/24/2015 3:37:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-24\2015-04-24_005.xad)		Instrument	Run		4/24/2015 3:15:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/24/2015 3:15:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/24/2015 3:15:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/24/2015 3:15:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/24/2015 3:15:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/24/2015 3:15:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/24/2015 3:15:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1