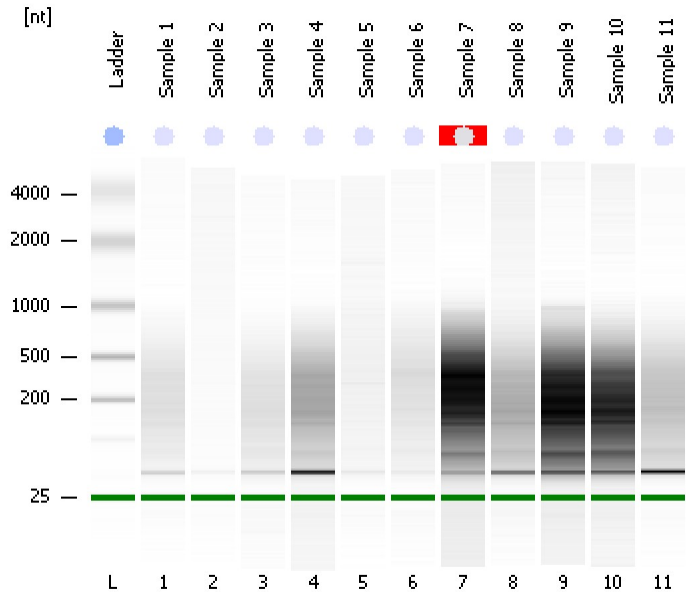


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electrophoresis File Run Summary



Instrument Information:

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

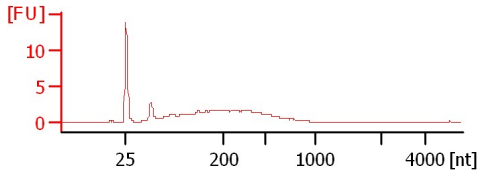
Assay Information:

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.

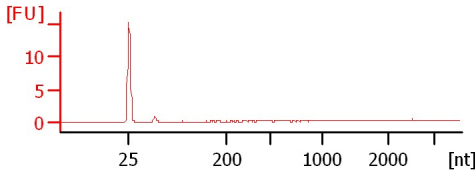
Chip Information:

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

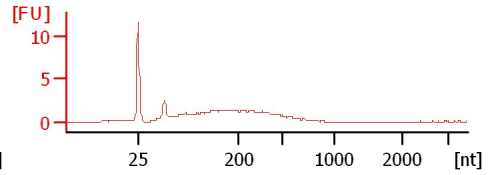
Sample 1
RIN:2



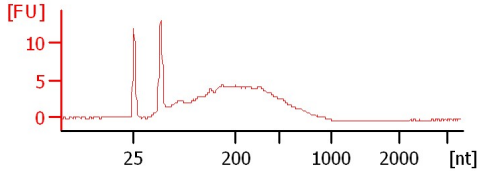
Sample 2
RIN:1



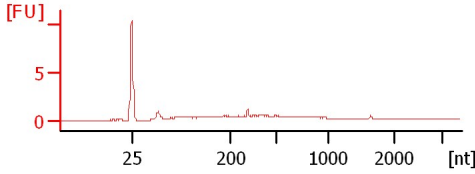
Sample 3
RIN:2



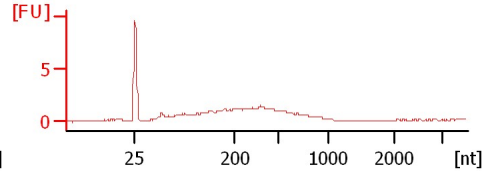
Sample 4
RIN:2



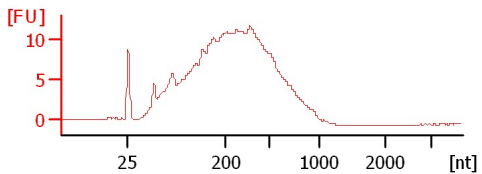
Sample 5
RIN: 1.10



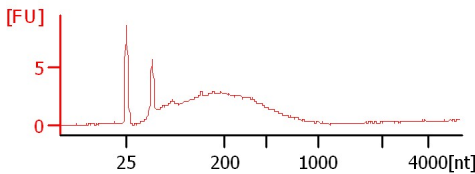
Sample 6
RIN: 1.50



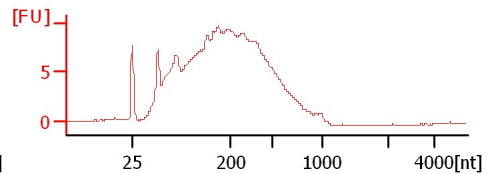
Sample 7
RIN N/A



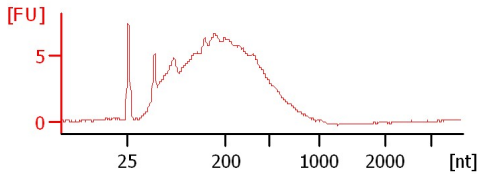
Sample 8
RIN: 2.20



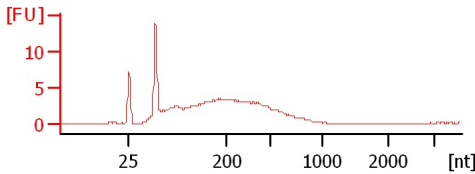
Sample 9
RIN: 1.90



Sample 10
RIN:2



Sample 11
RIN: 1.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
 Modified: 4/24/2015 3:01:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:2	
Sample 2		✓	RIN:1	
Sample 3		✓	RIN:2	
Sample 4		✓	RIN:2	
Sample 5		✓	RIN: 1.10	
Sample 6		✓	RIN: 1.50	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN: 2.20	
Sample 9		✓	RIN: 1.90	
Sample 10		✓	RIN:2	
Sample 11		✓	RIN: 1.90	
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_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 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/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

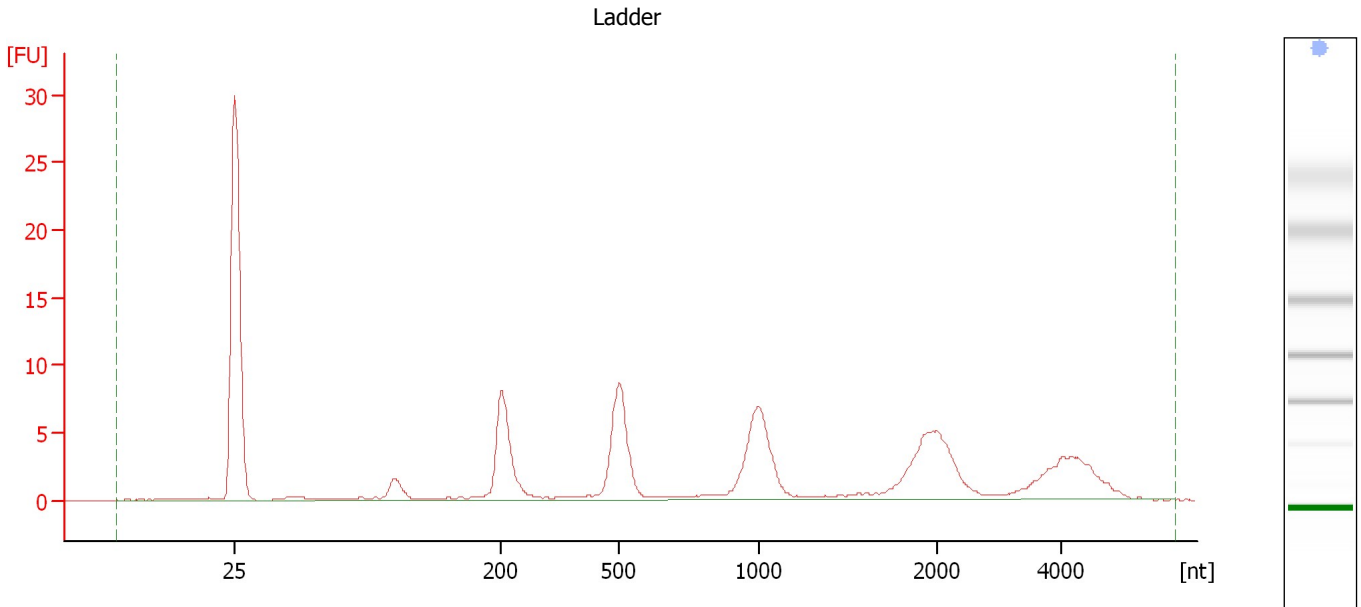
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary



Overall Results for Ladder

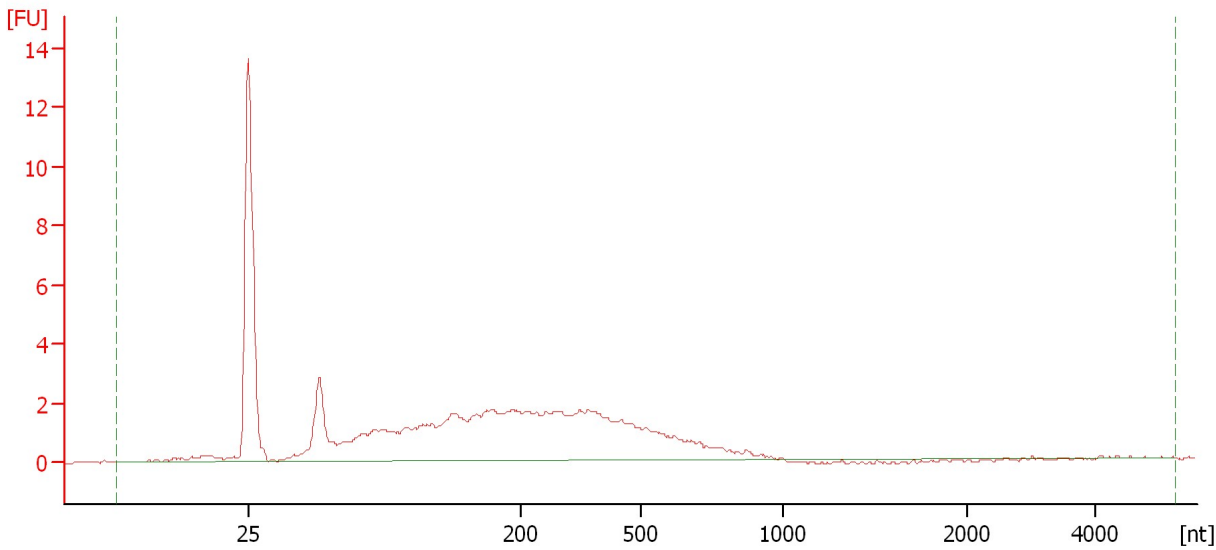
RNA Area:	102.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...

Sample 1



Overall Results for sample 1 : Sample 1

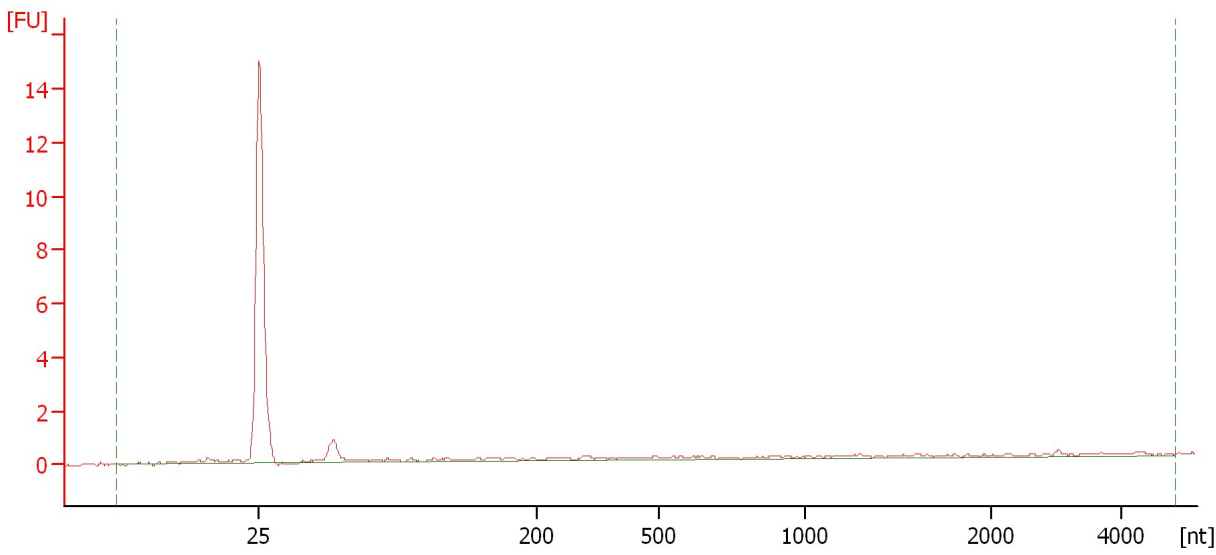
RNA Area:	66.4	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	646 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...

Sample 2



Overall Results for sample 2 : Sample 2

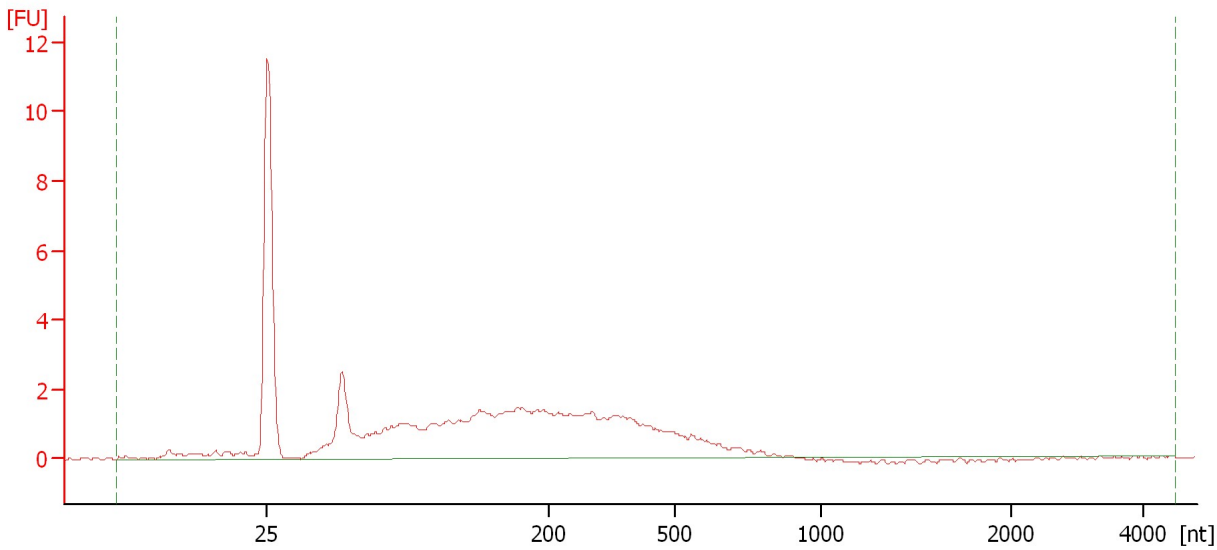
RNA Area:	6.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	58 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...

Sample 3



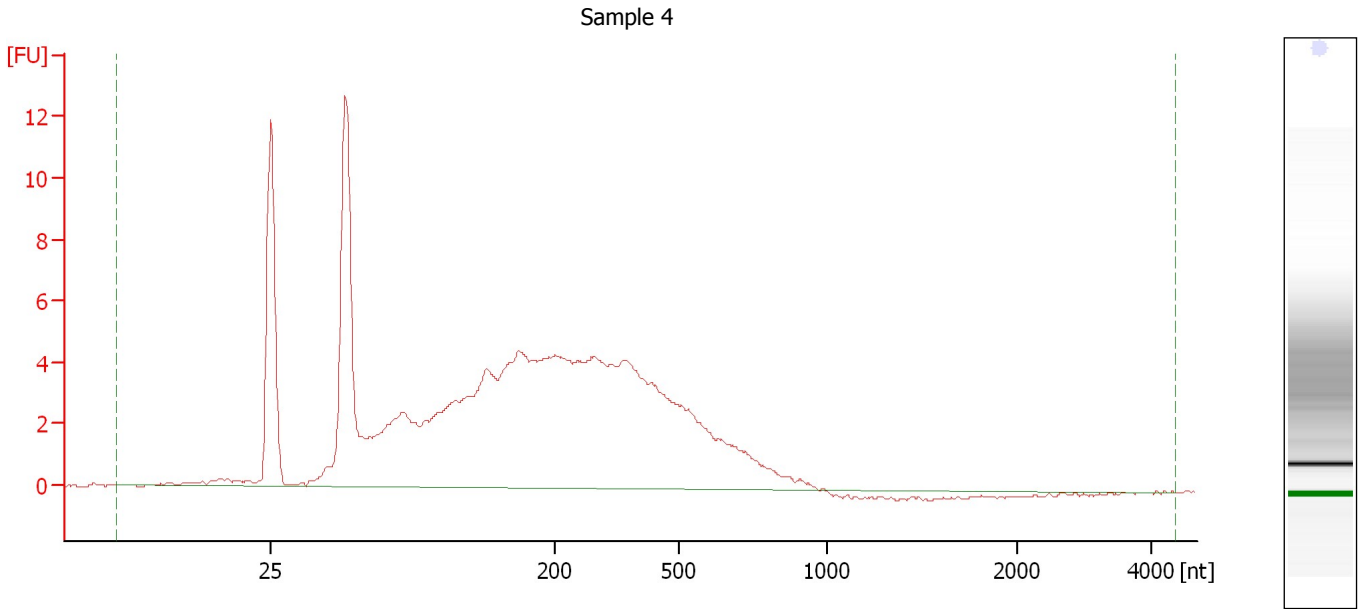
Overall Results for sample 3 : Sample 3

RNA Area:	56.8	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	552 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_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

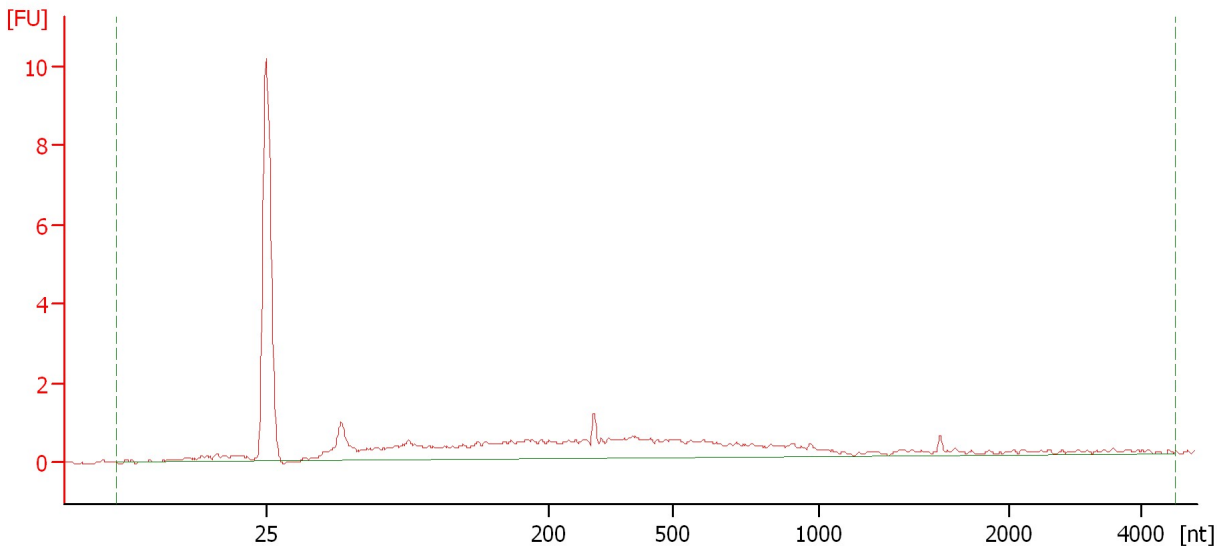
RNA Area:	169.2	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	1,645 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

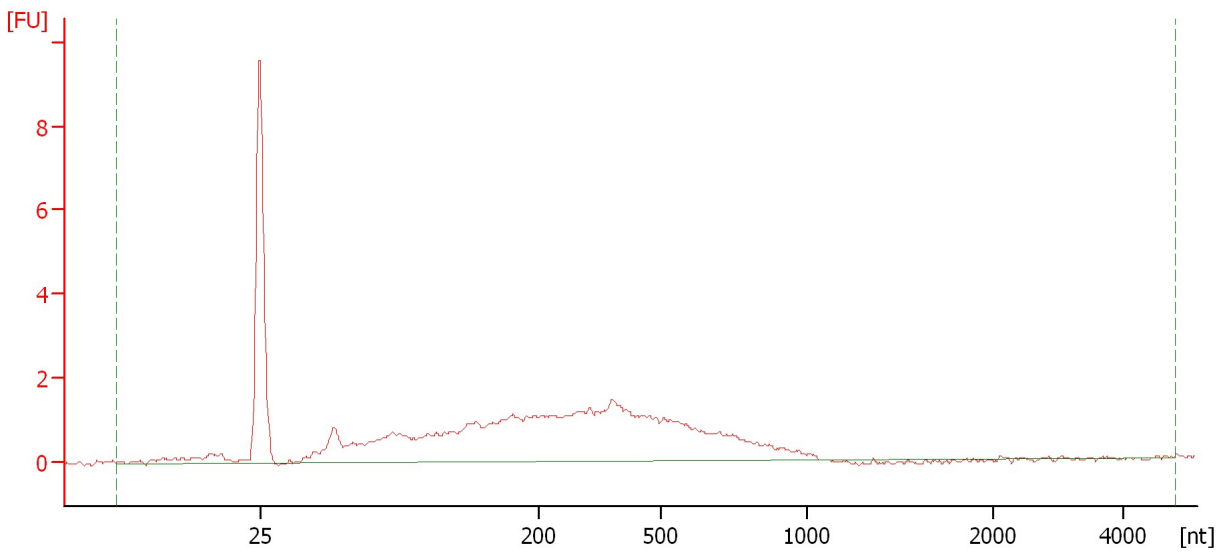
RNA Area:	27.0	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	262 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...

Sample 6



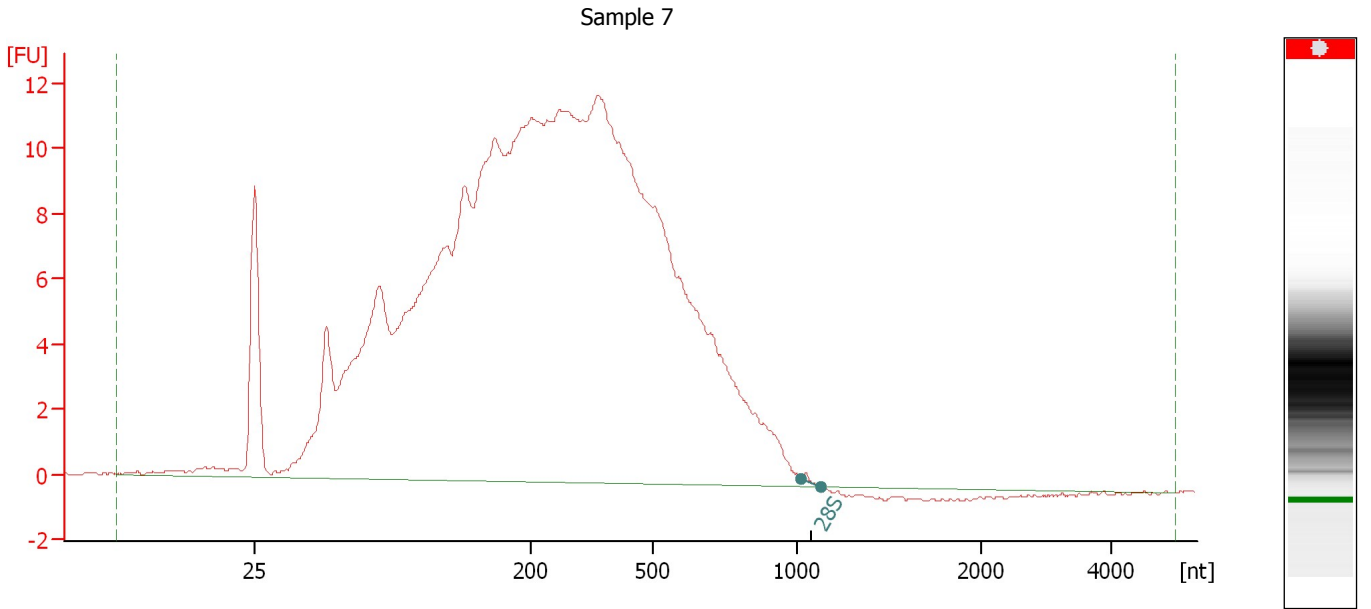
Overall Results for sample 6 : Sample 6

RNA Area:	46.1	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	449 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
 Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	402.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3,911 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : Sample 7

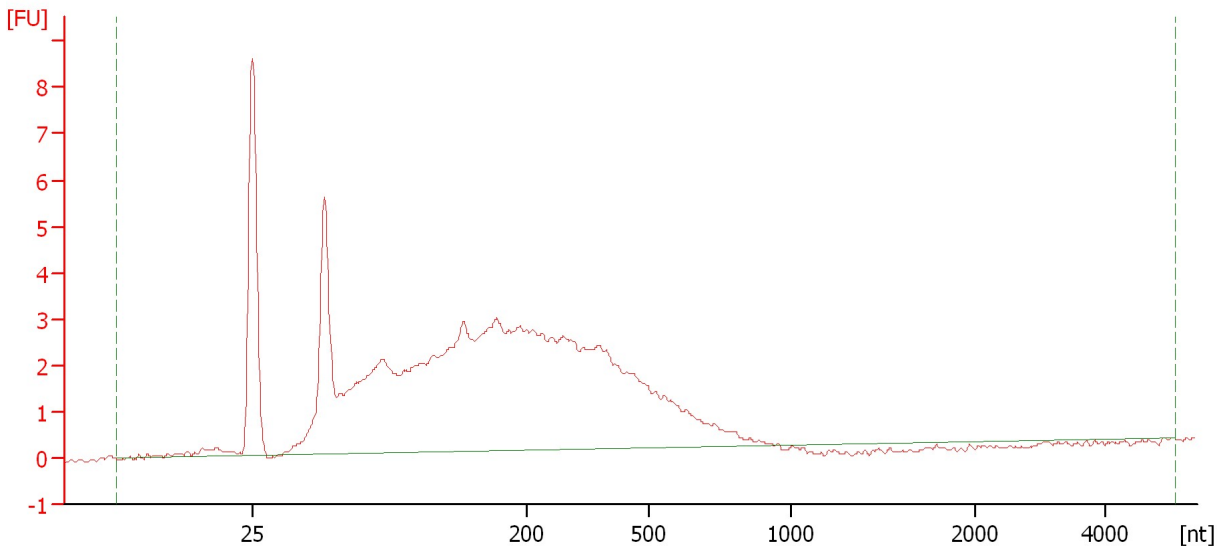
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,031	1,129	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...

Sample 8



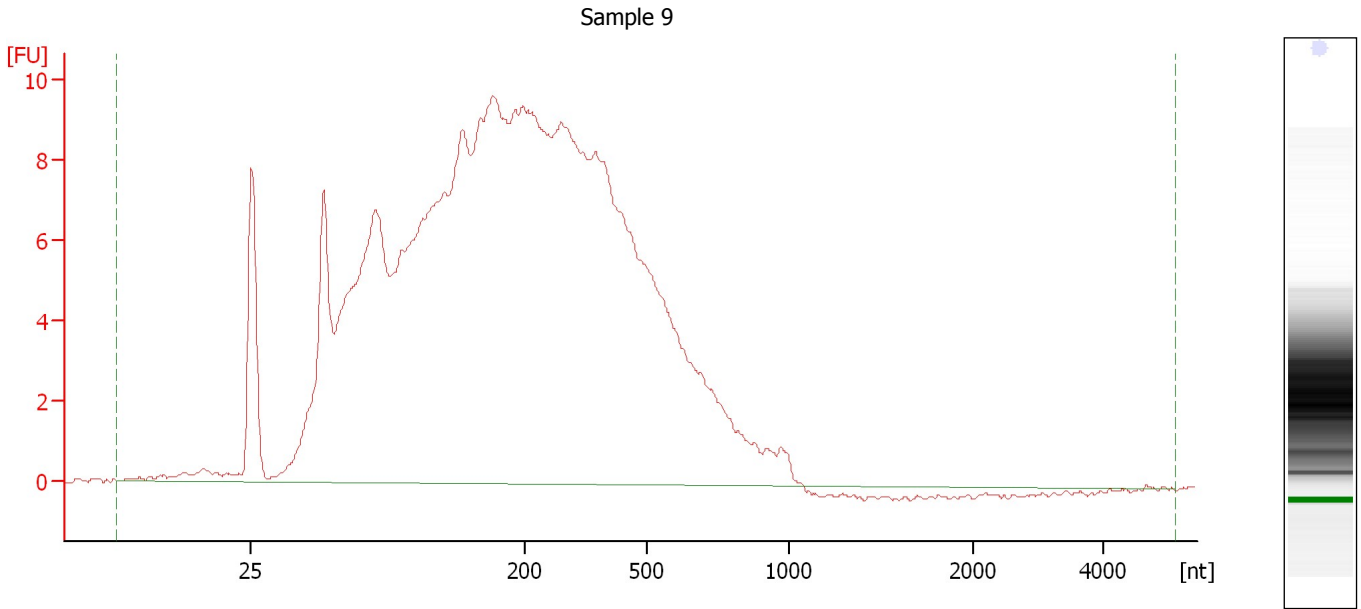
Overall Results for sample 8 : Sample 8

RNA Area:	103.4	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,006 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_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...



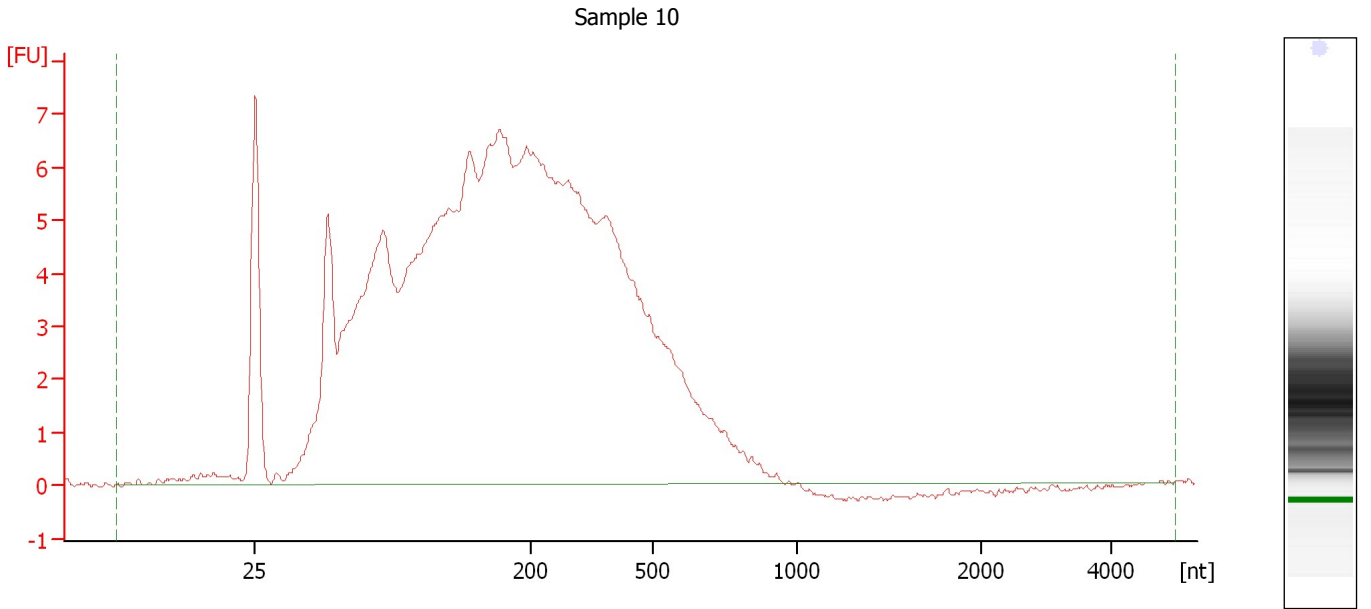
Overall Results for sample 9 : Sample 9

RNA Area:	350.9	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	3,412 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

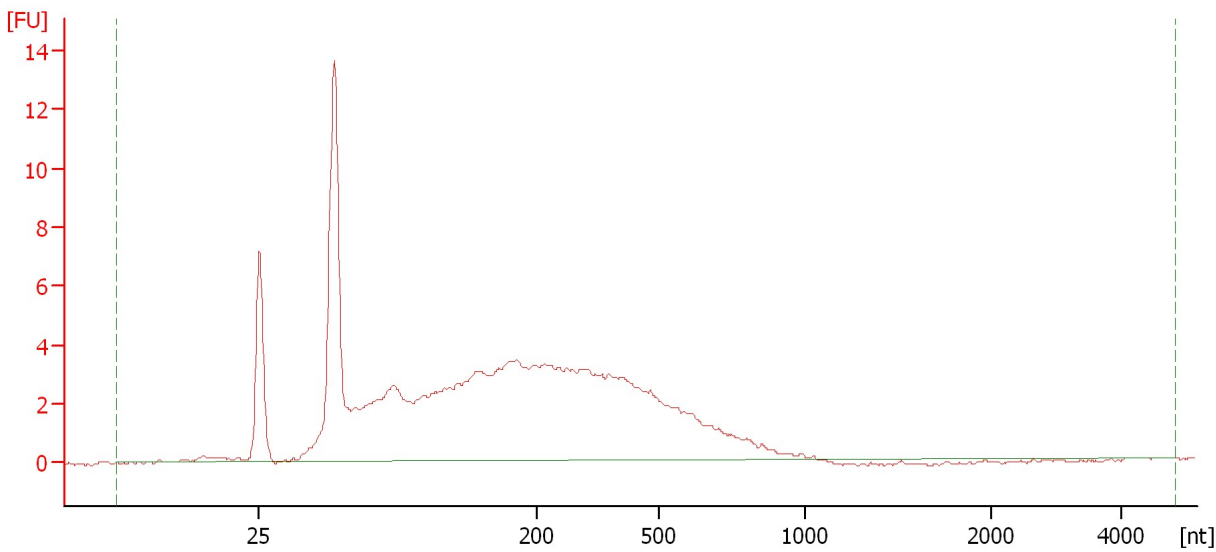
RNA Area:	228.8	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	2,225 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Electropherogram Summary Continued ...

Sample 11



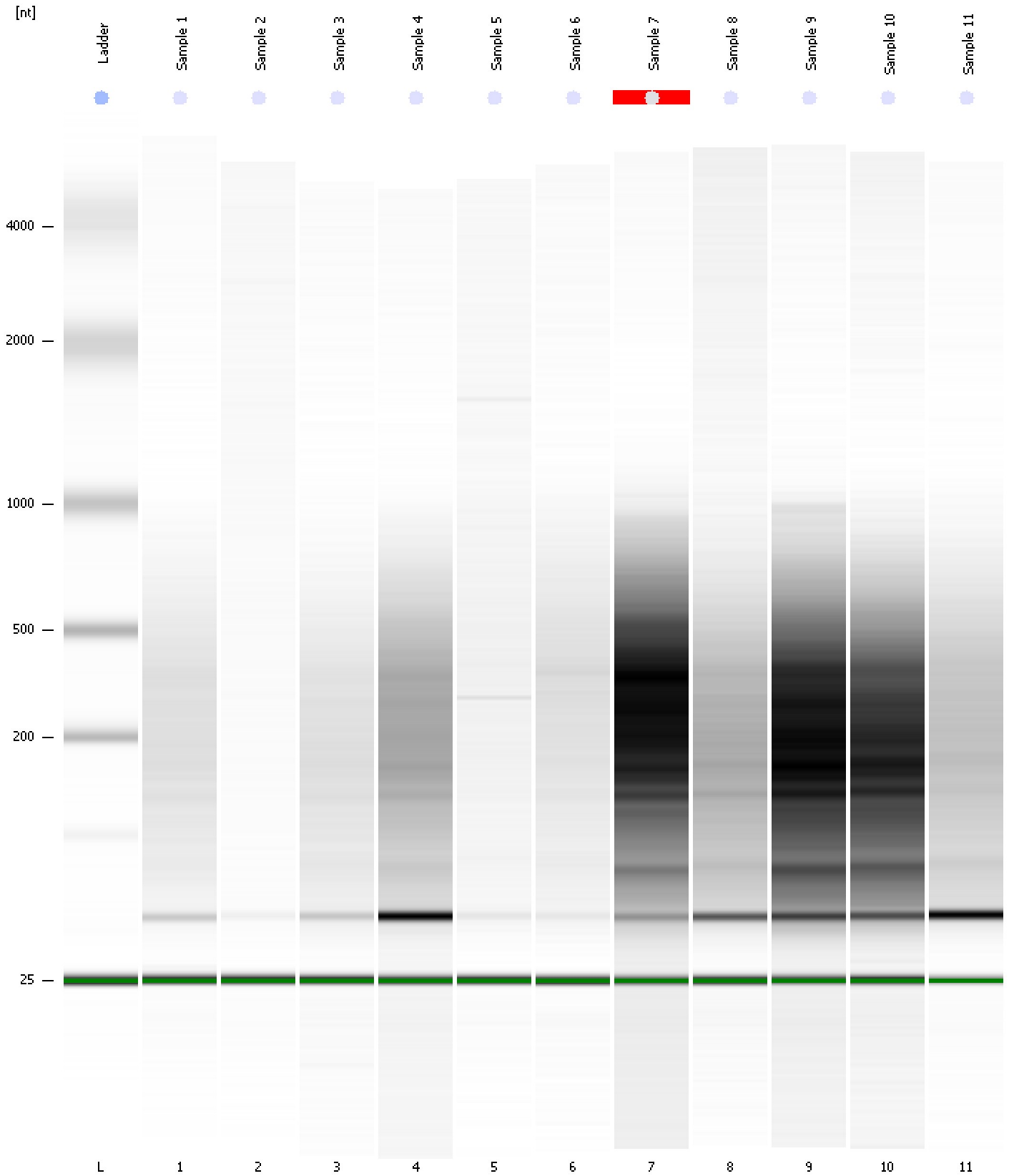
Overall Results for sample 11 : Sample 11

RNA Area:	145.1	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	1,411 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
Modified: 4/24/2015 3:01:18 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-24\2015-04-24_004.xad

Created: 4/24/2015 2:38:18 PM
 Modified: 4/24/2015 3:01:18 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 3:01:14 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_004.xad)		Instrument	Run		4/24/2015 2:38:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/24/2015 2:38:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/24/2015 2:38:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/24/2015 2:38:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/24/2015 2:38:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/24/2015 2:38:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/24/2015 2:38:24 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1