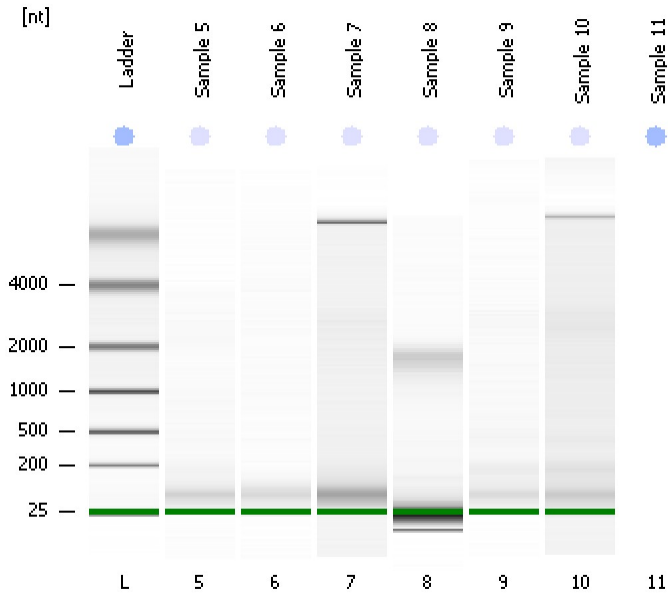


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:56:58 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)

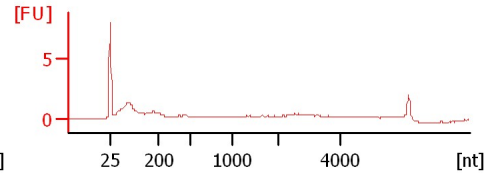
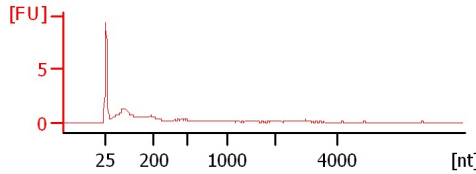
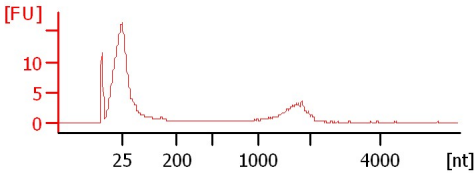
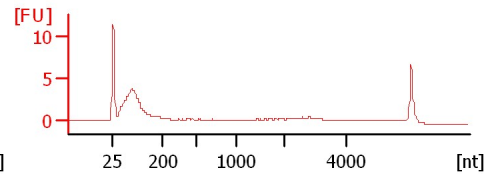
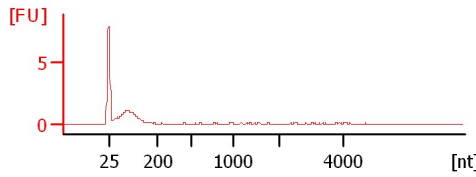
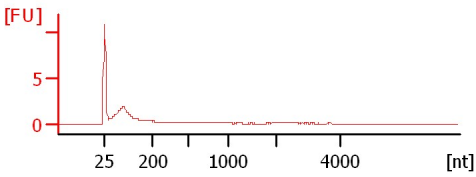
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:56:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 5		✓	RIN: 1.80	
Sample 6		✓	RIN: 1.50	
Sample 7		✓	RIN: 2.40	
Sample 8		✓	RIN: 3.30	
Sample 9		✓	RIN: 1.40	
Sample 10		✓	RIN: 1.80	
Sample 11		✗		
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 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

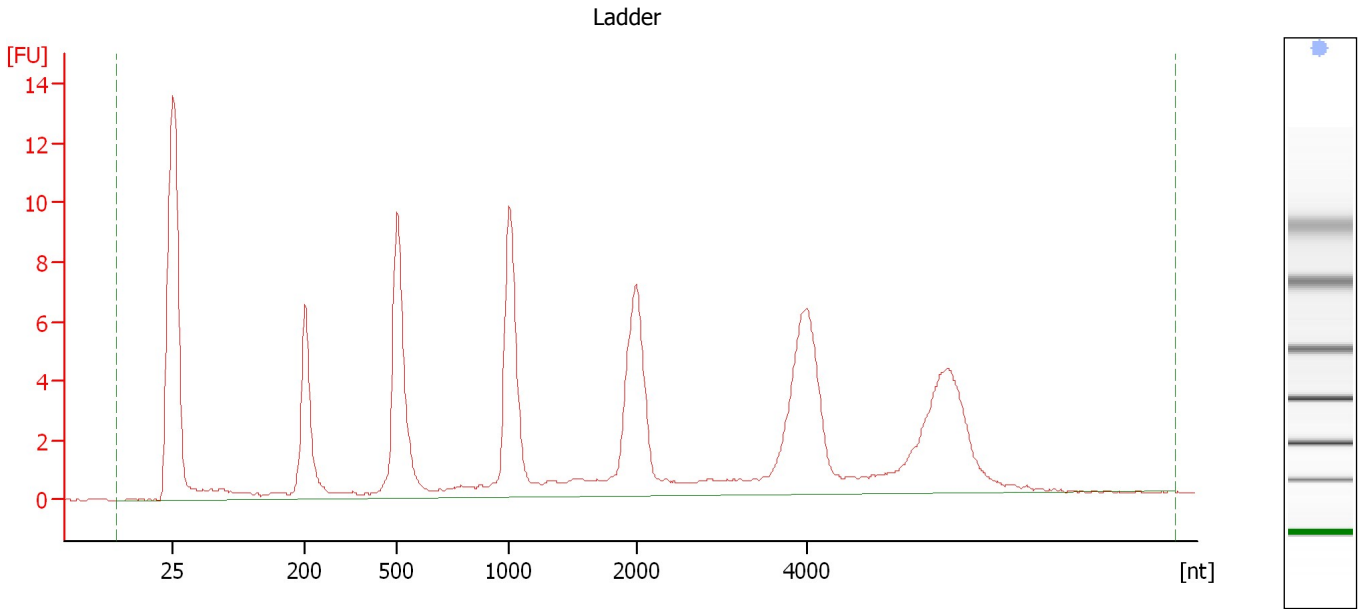
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Electropherogram Summary



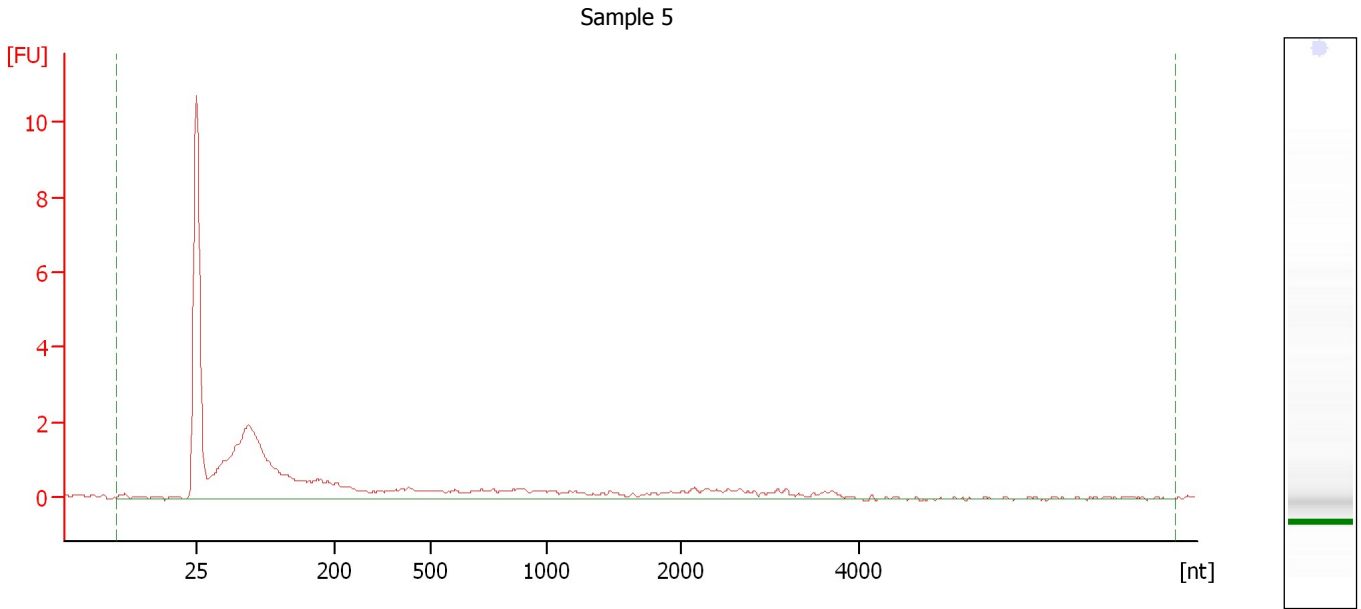
Overall Results for Ladder

RNA Area:	122.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

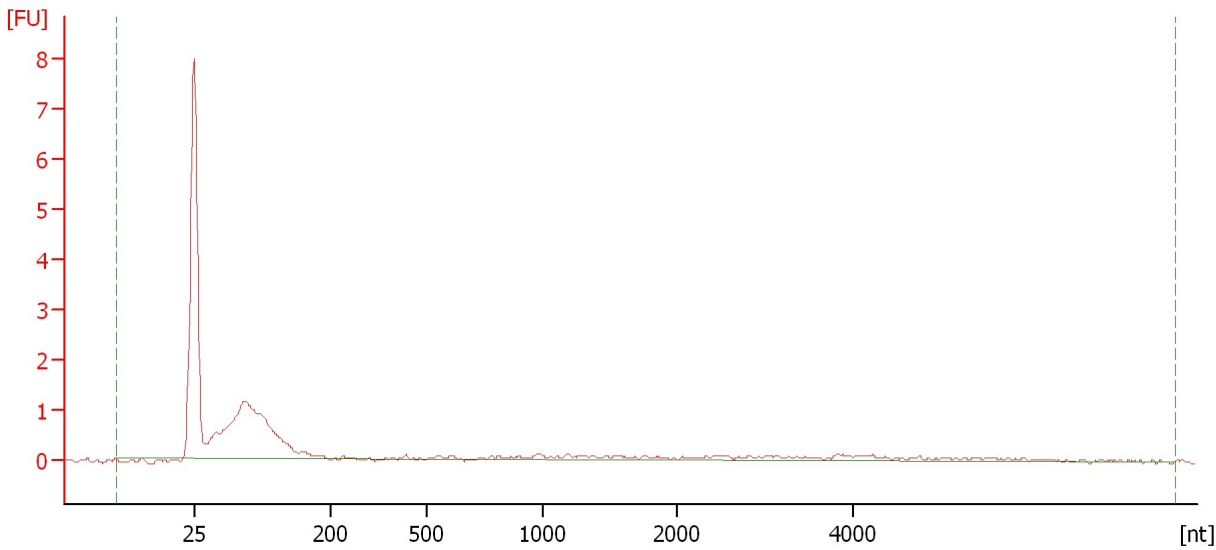
RNA Area:	32.1	RNA Integrity Number (RIN):	1.8 (B.02.08)
RNA Concentration:	262 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

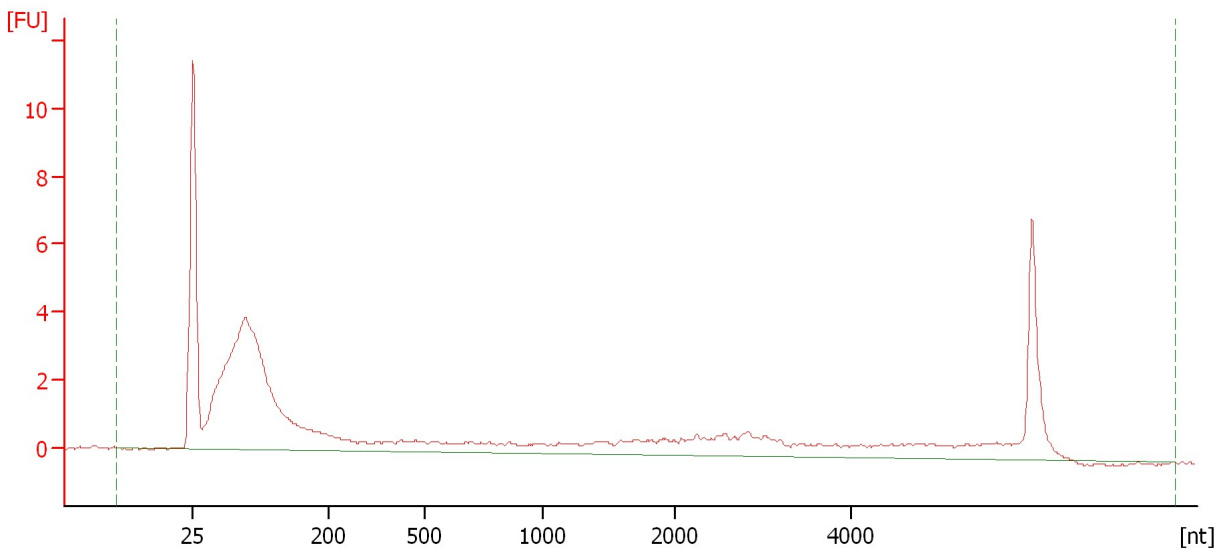
RNA Area:	16.1	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	132 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

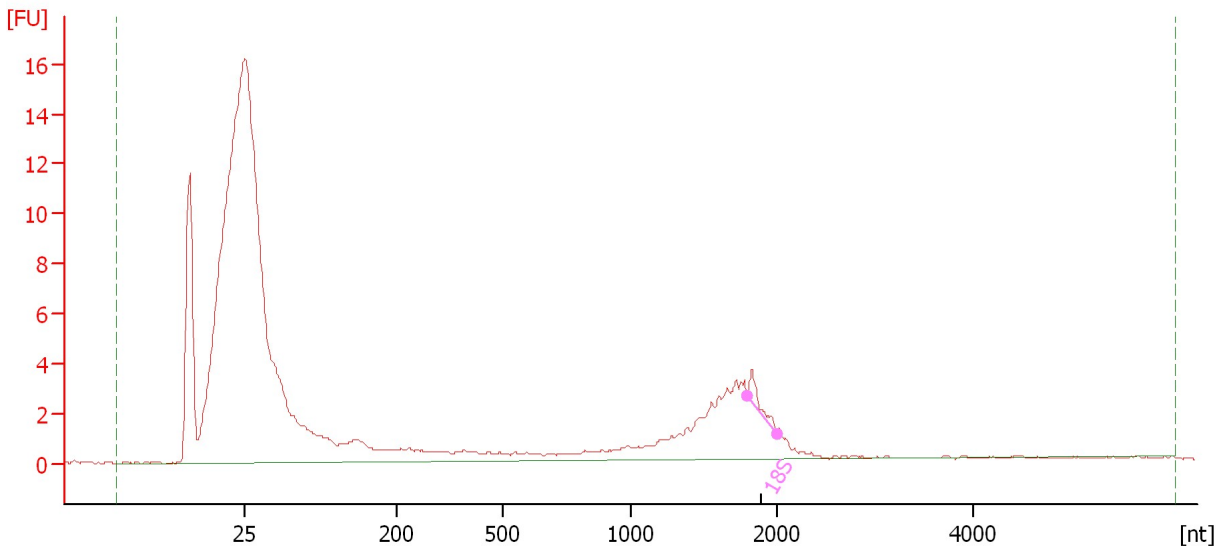
RNA Area:	71.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	582 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:56:58 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

RNA Area:	71.4	RNA Integrity Number (RIN):	3.3 (B.02.08)
RNA Concentration:	582 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

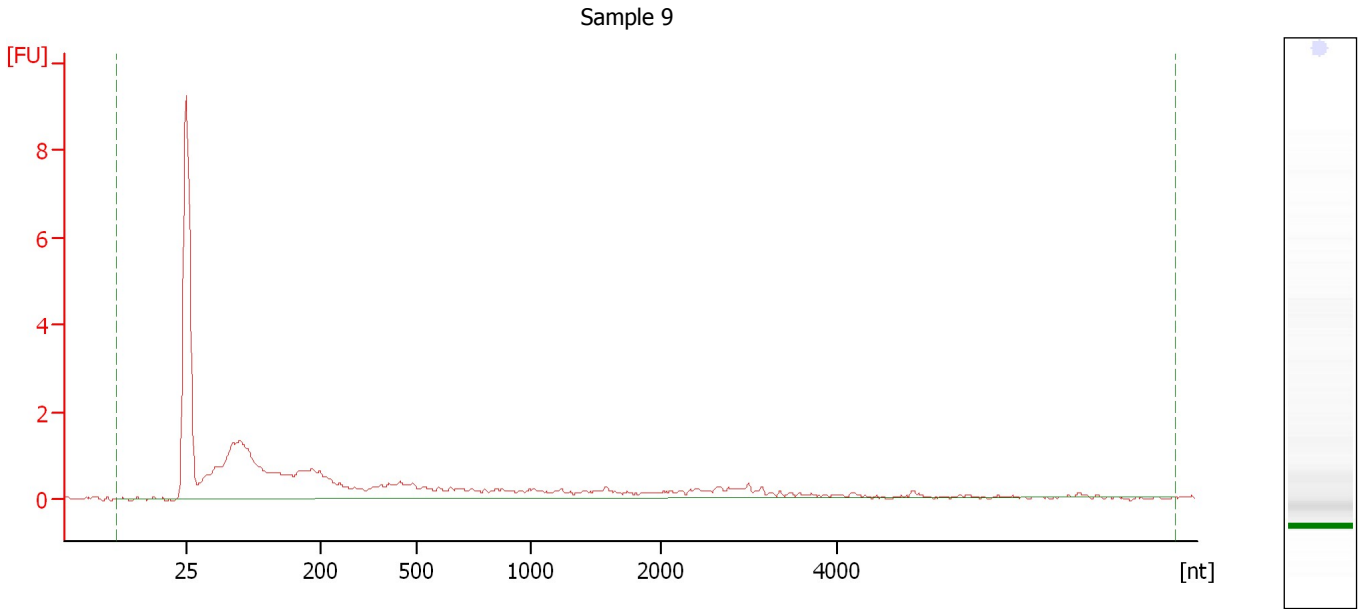
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,792	1,989	1.2	1.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

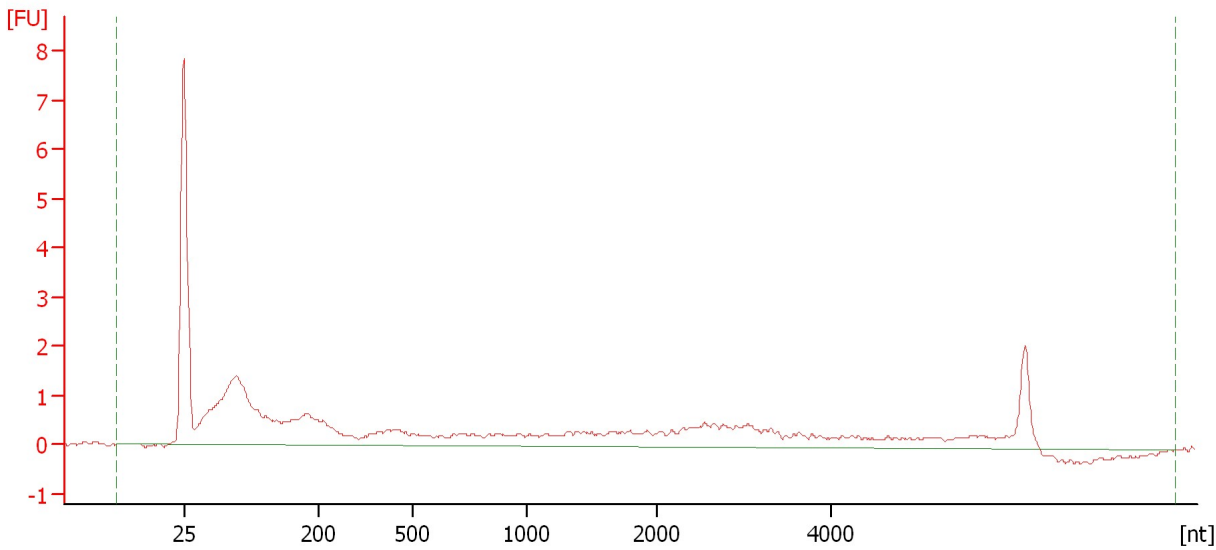
RNA Area:	28.5	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	232 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Electropherogram Summary Continued ...

Sample 10



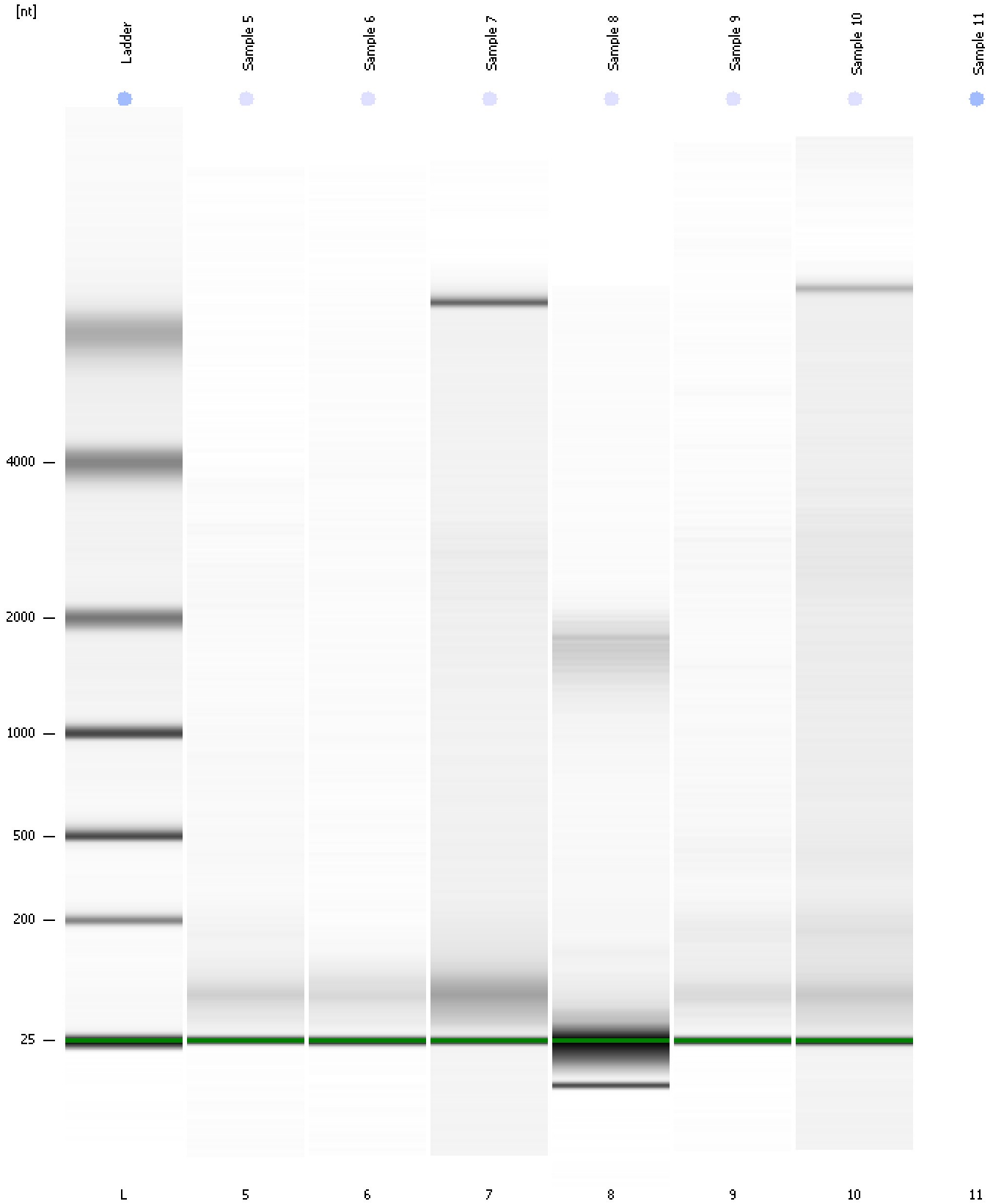
Overall Results for sample 10 : Sample 10

RNA Area:	39.2	RNA Integrity Number (RIN):	1.8 (B.02.08)
RNA Concentration:	320 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:56:58 PM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ata\2016-03-11\2016-03-11_004_QC_069_Martinez_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:56:58 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		3/11/2016 4:53:29 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-03-11\2016-03-11_004.xad)		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1