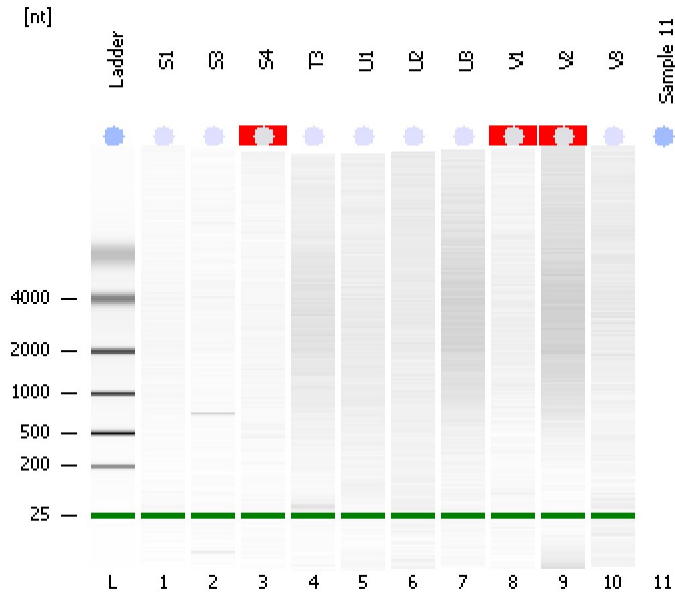


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electrophoresis File Run Summary



Instrument Information:

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

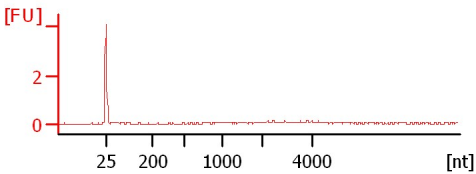
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

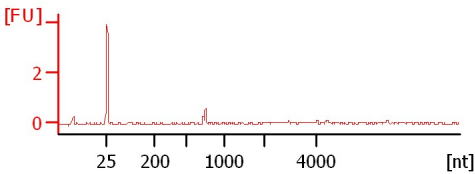
Chip Information:

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

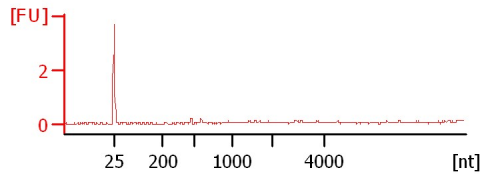
S1
Poly A enriched RNA
RIN:1



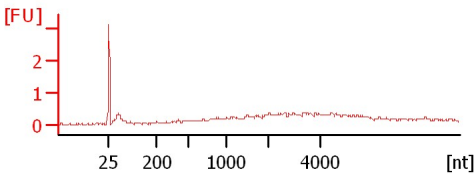
S3
Poly A enriched RNA
RIN: 1.60



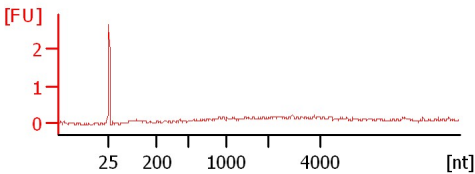
S4
Poly A enriched RNA
RIN N/A



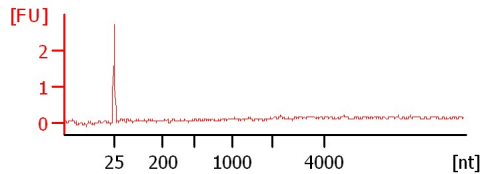
T3
Poly A enriched RNA
RIN: 1.10



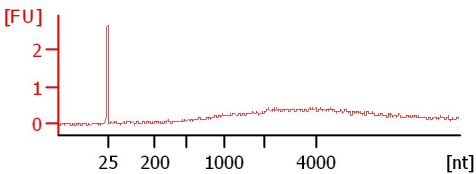
U1
Poly A enriched RNA
RIN:1



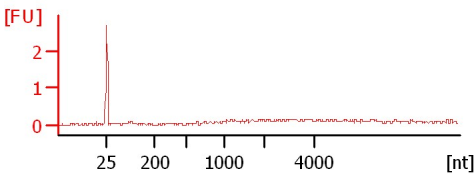
U2
Poly A enriched RNA
RIN:1



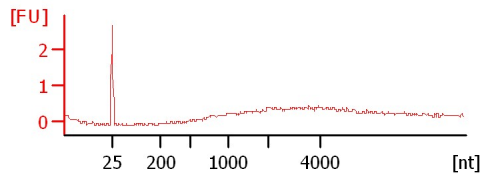
U3
Poly A enriched RNA
RIN: 1.30



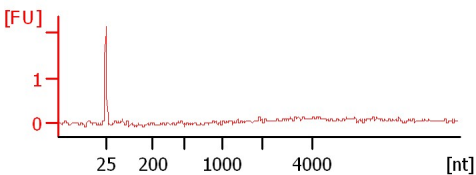
V1
Poly A enriched RNA
RIN N/A



V2
Poly A enriched RNA
RIN N/A



V3
Poly A enriched RNA
RIN:1



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
 Modified: 1/9/2015 9:35:26 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
S1	Poly A enriched RNA	✓	RIN:1	
S3	Poly A enriched RNA	✓	RIN: 1.60	
S4	Poly A enriched RNA	✓	RIN N/A	
T3	Poly A enriched RNA	✓	RIN: 1.10	
U1	Poly A enriched RNA	✓	RIN:1	
U2	Poly A enriched RNA	✓	RIN:1	
U3	Poly A enriched RNA	✓	RIN: 1.30	
V1	Poly A enriched RNA	✓	RIN N/A	
V2	Poly A enriched RNA	✓	RIN N/A	
V3	Poly A enriched RNA	✓	RIN:1	
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 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/ 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

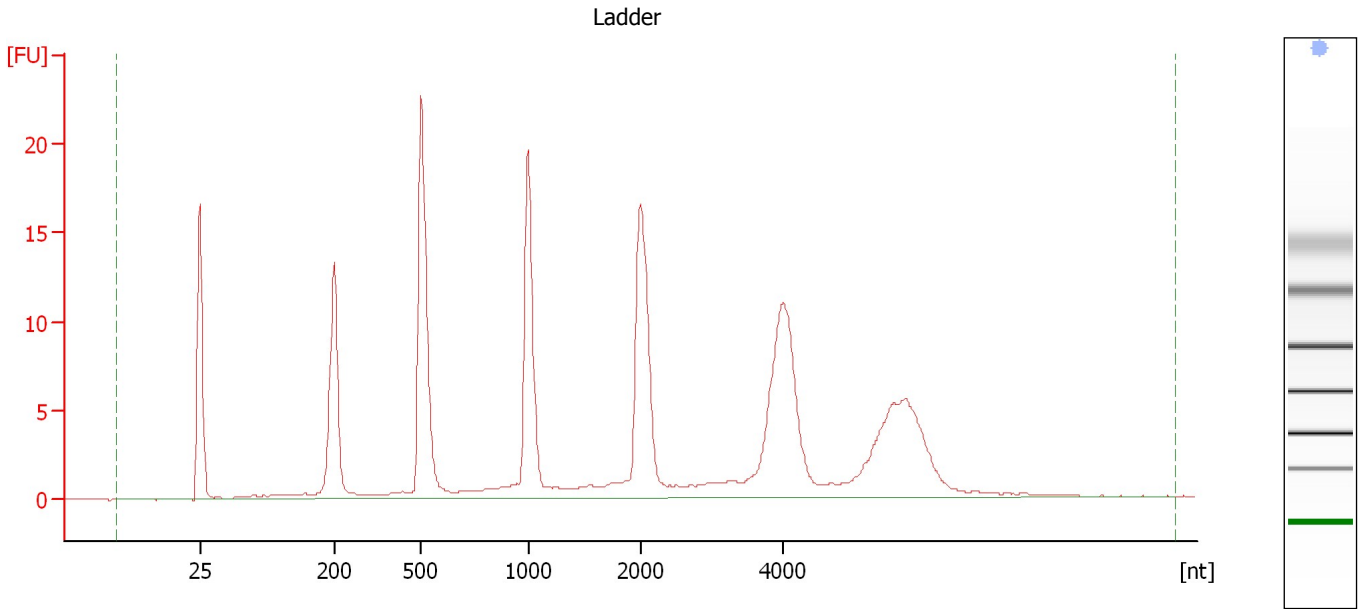
Ladder

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\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary



Overall Results for Ladder

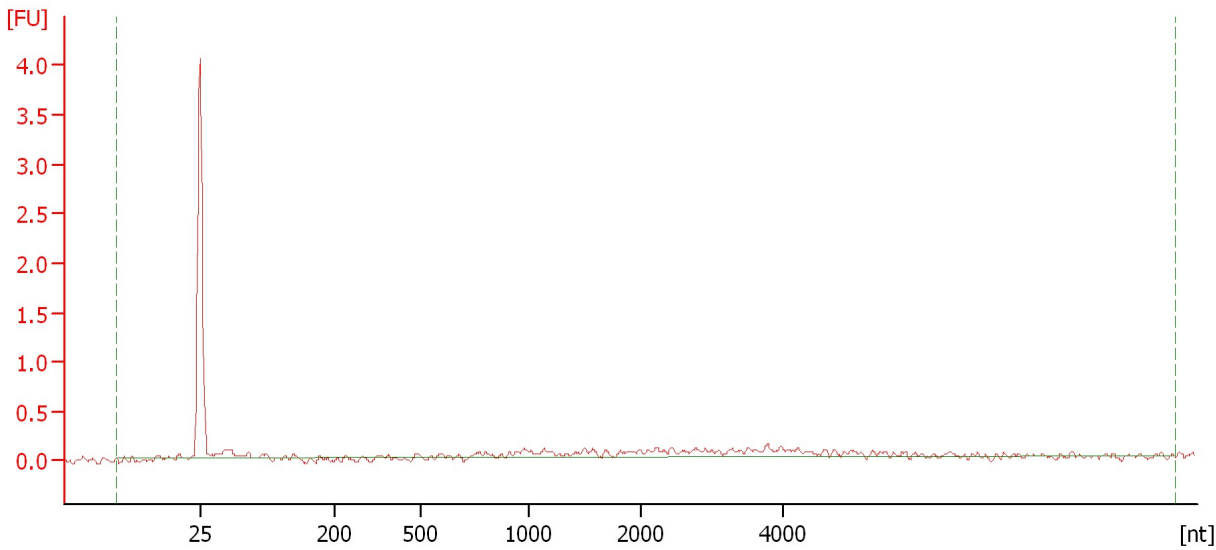
RNA Area:	182.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

S1 [Poly A enriched RNA]



Overall Results for sample 1 : S1

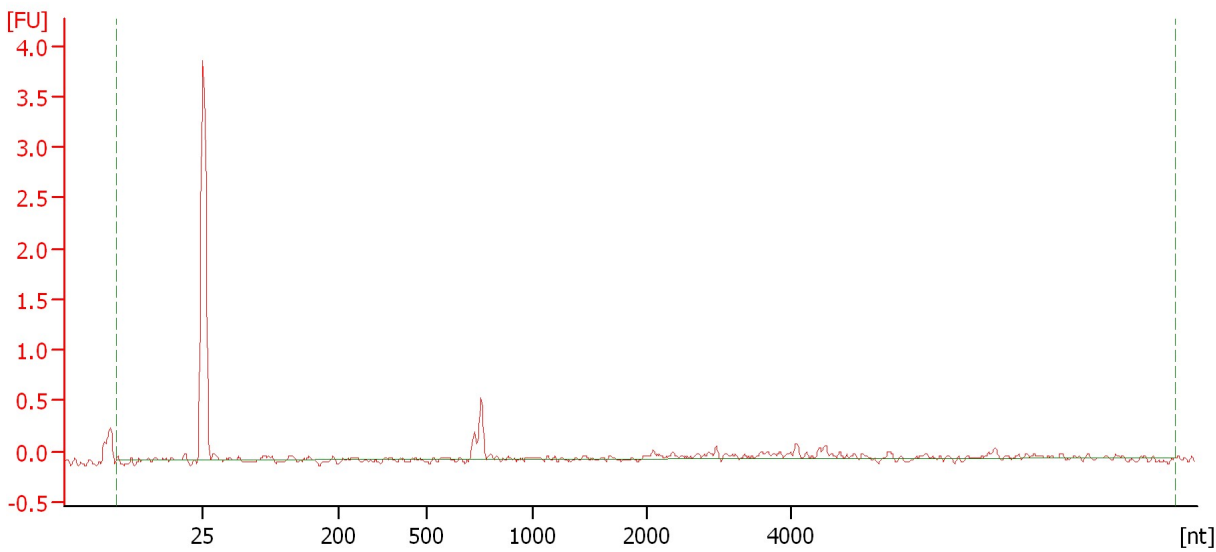
RNA Area:	2.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	14 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

S3 [Poly A enriched RNA]



Overall Results for sample 2 : S3

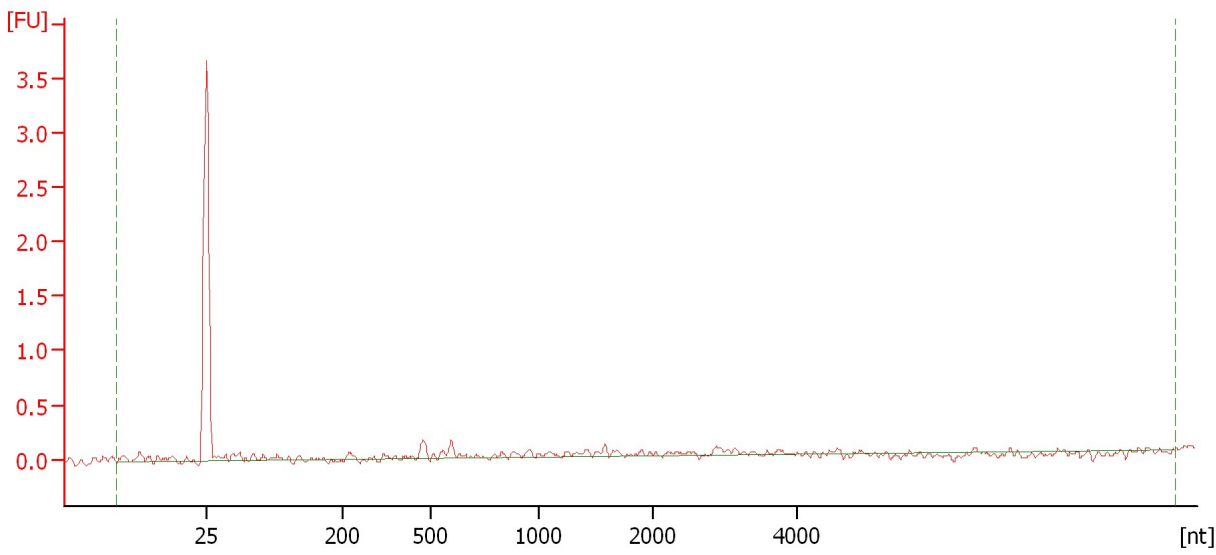
RNA Area:	2.4	RNA Integrity Number (RIN):	1.6 (B.02.08)
RNA Concentration:	13 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

S4 [Poly A enriched RNA]



Overall Results for sample 3 : S4

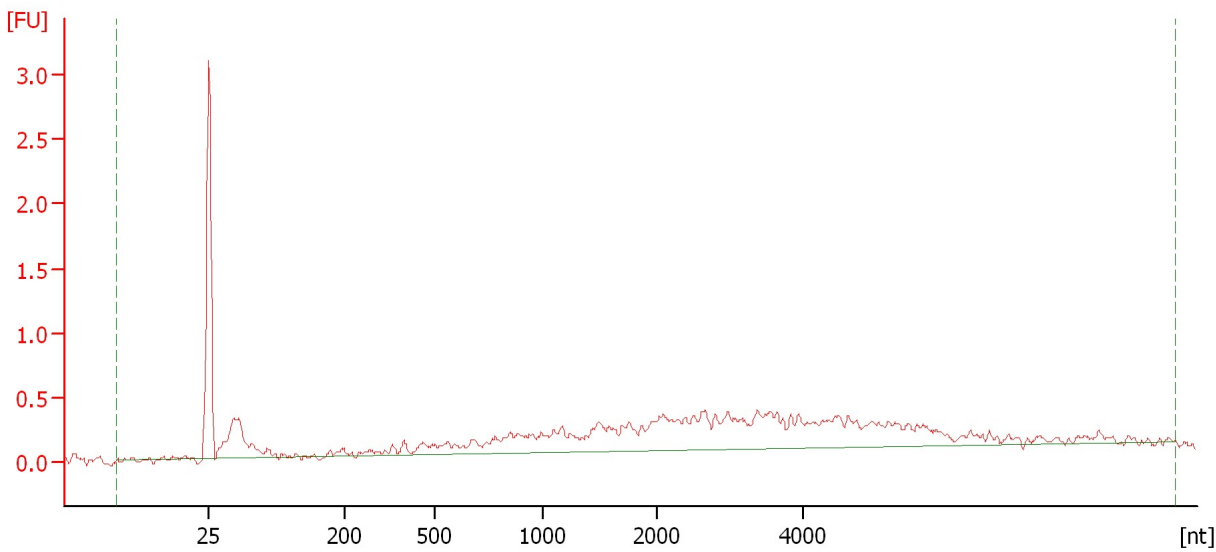
RNA Area:	1.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	10 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

T3 [Poly A enriched RNA]



Overall Results for sample 4 : T3

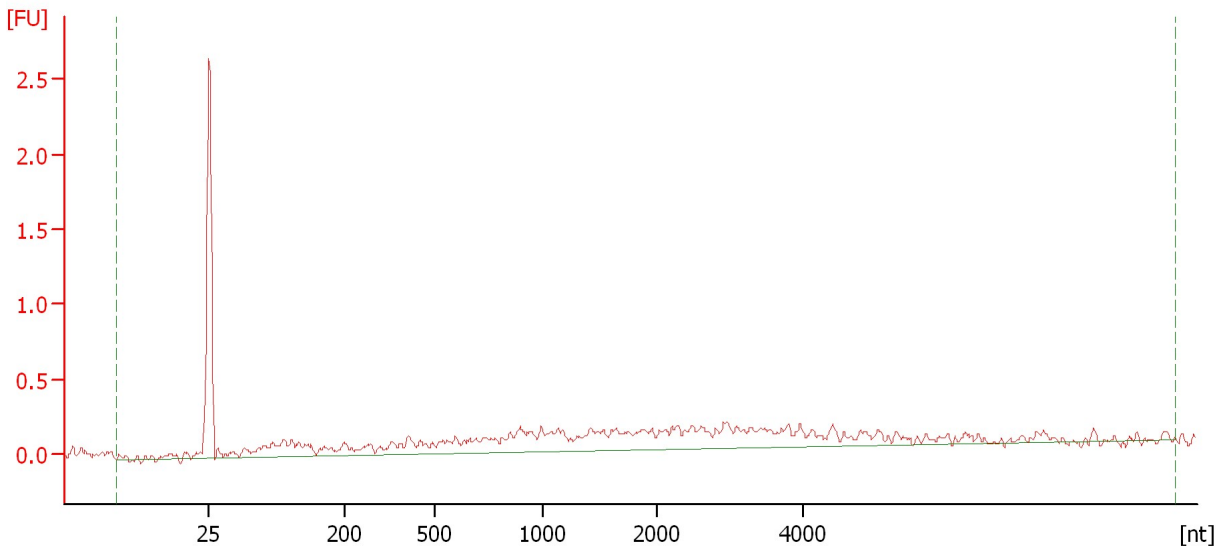
RNA Area:	12.0	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	66 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

U1 [Poly A enriched RNA]



Overall Results for sample 5 : U1

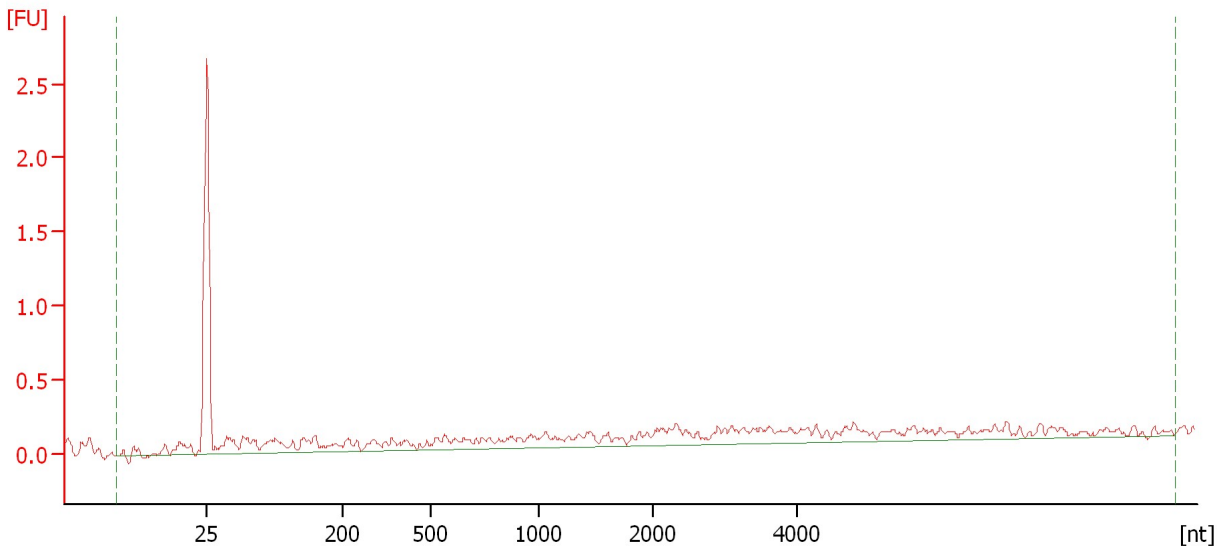
RNA Area:	7.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	40 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

U2 [Poly A enriched RNA]



Overall Results for sample 6 : U2

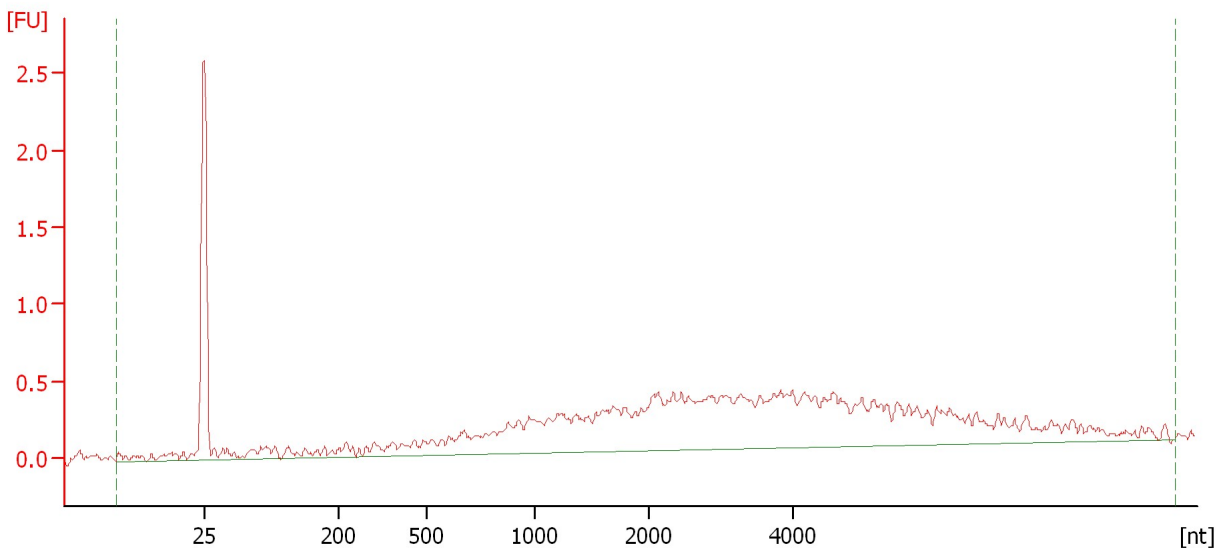
RNA Area:	7.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	38 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

U3 [Poly A enriched RNA]



Overall Results for sample 7 : U3

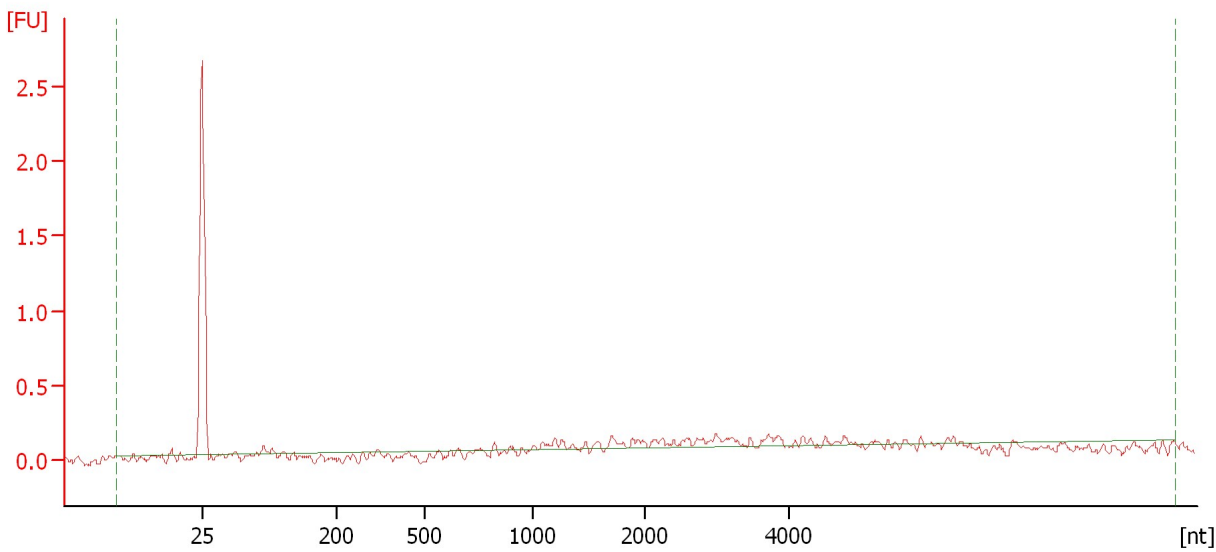
RNA Area:	16.5	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	91 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

V1 [Poly A enriched RNA]



Overall Results for sample 8 : V1

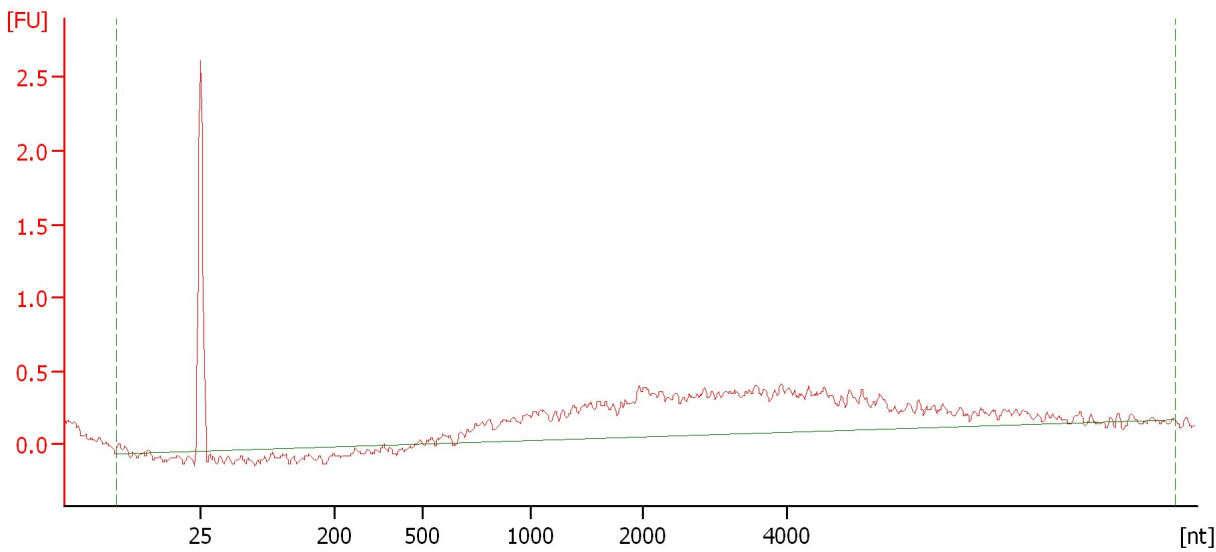
RNA Area:	1.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

V2 [Poly A enriched RNA]



Overall Results for sample 9 : V2

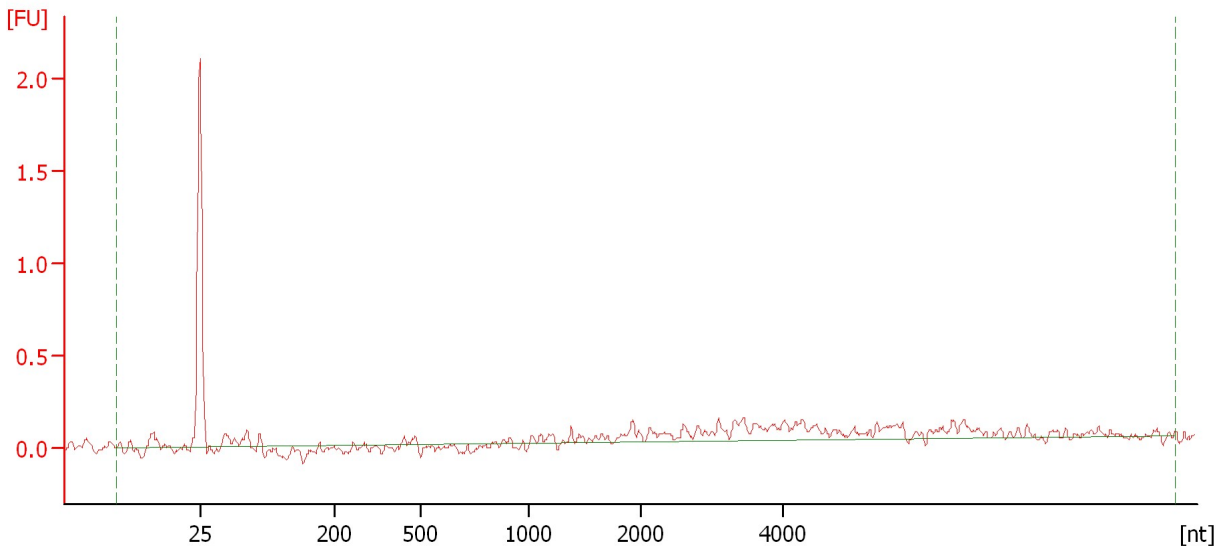
RNA Area:	11.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	62 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Electropherogram Summary Continued ...

V3 [Poly A enriched RNA]



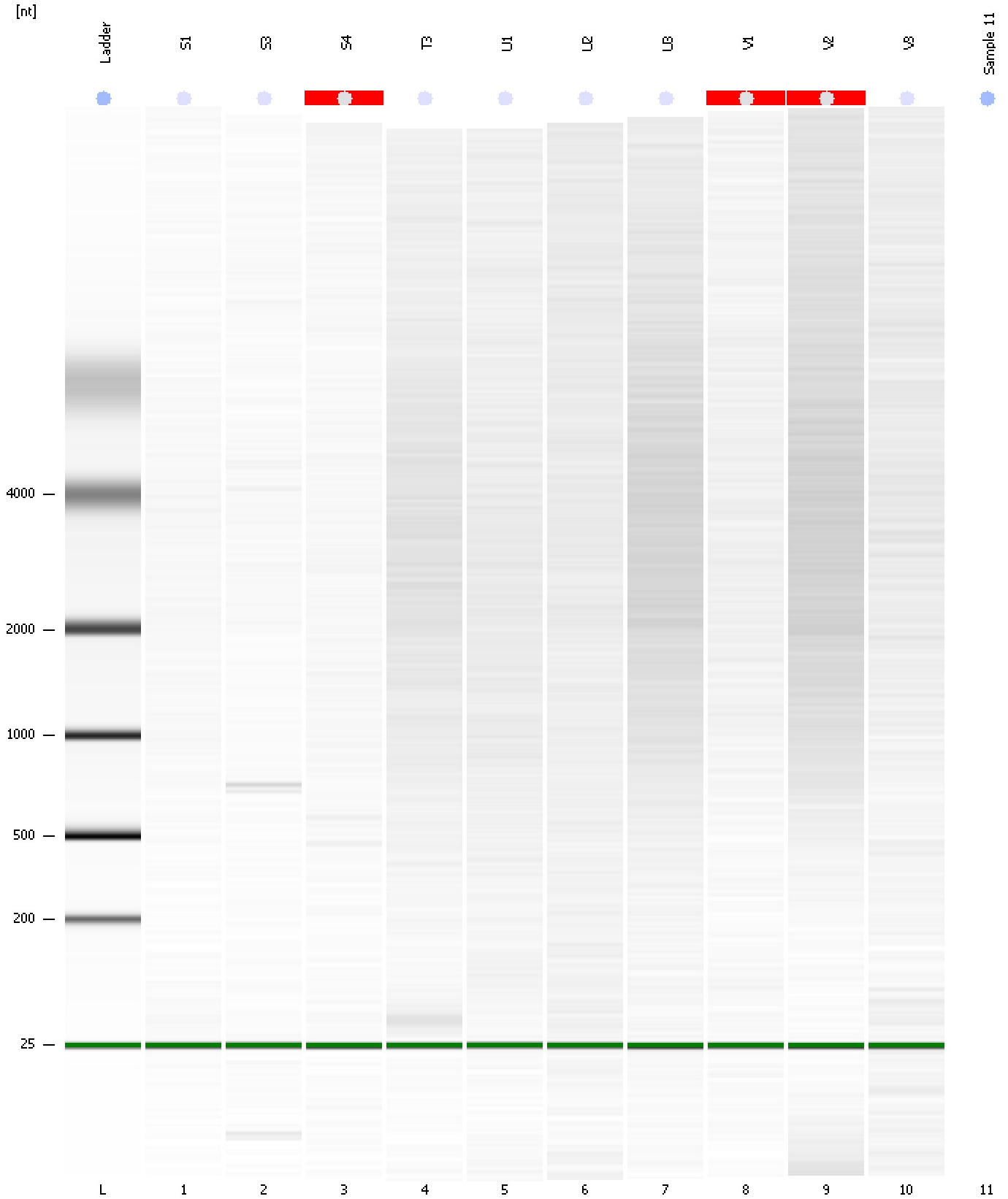
Overall Results for sample 10 : V3

RNA Area:	2.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	15 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\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad

Created: 1/9/2015 9:13:50 AM
Modified: 1/9/2015 9:35:26 AM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico Created: 1/9/2015 9:13:50 AM
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad Modified: 1/9/2015 9:35:26 AM

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		1/9/2015 9:35:18 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-01-09\2015-01-09_001.xad)		Instrument	Run		1/9/2015 9:13:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/9/2015 9:13:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/9/2015 9:13:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/9/2015 9:13:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/9/2015 9:13:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/9/2015 9:13:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/9/2015 9:13:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1