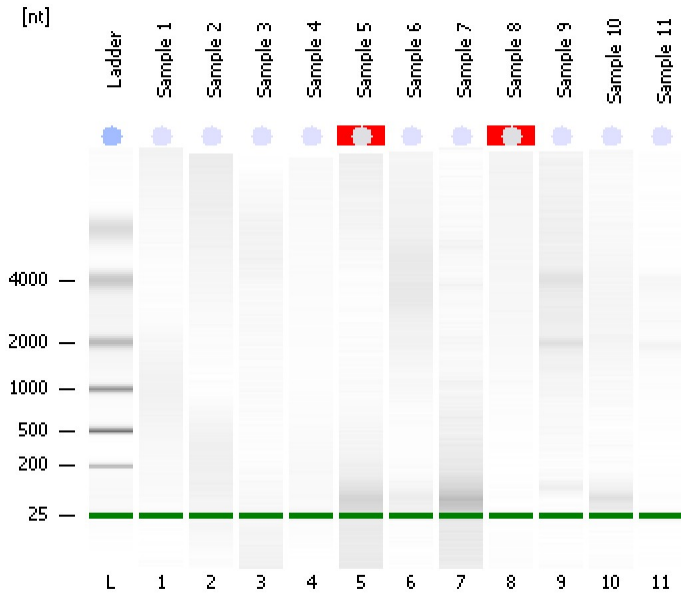


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electrophoresis File Run Summary



Instrument Information:

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

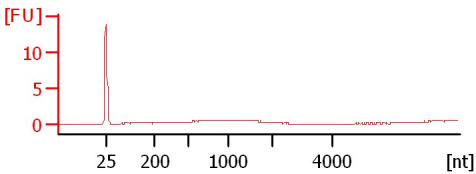
Assay Information:

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.

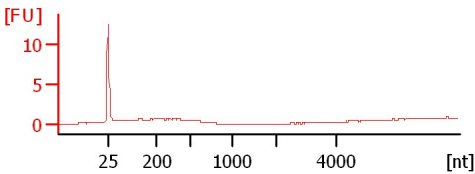
Chip Information:

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

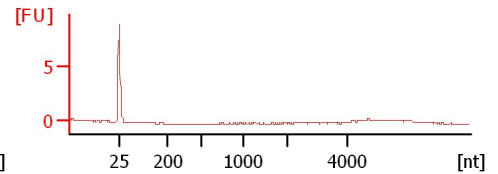
QC 128 RIN:1 Sample 1



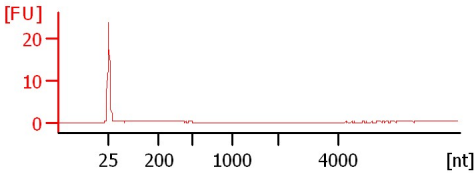
QC 128 RIN:1 Sample 2



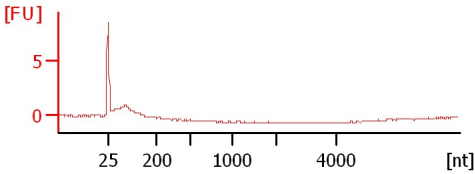
QC 128 RIN: 1.10 Sample 3



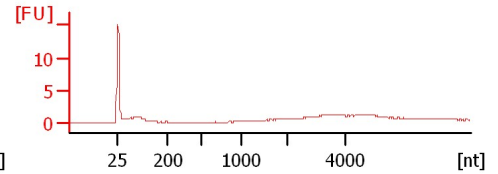
QC 128 RIN:1 Sample 4



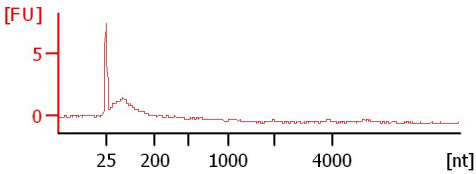
QC 128 RIN N/A Sample 5



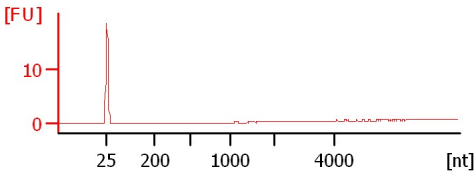
QC 128 RIN: 1.10 Sample 6



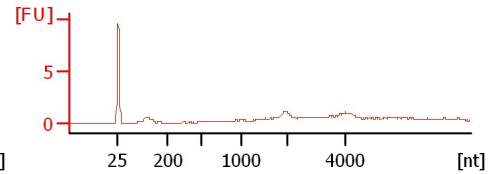
QC 128 RIN: 2.10 Sample 7



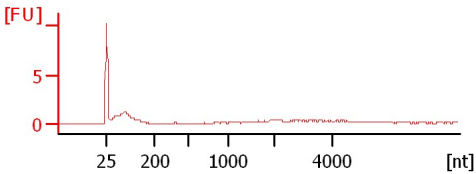
QC 128 RIN N/A Sample 8



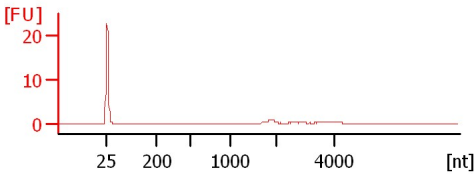
QC 128 RIN: 1.10 Sample 9



QC 128 RIN: 1.30 Sample 10



QC 128 RIN: 3.20 Sample 11



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
 Modified: 10/14/2016 11:27:45 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	QC 128	✓	RIN:1	
Sample 2	QC 128	✓	RIN:1	
Sample 3	QC 128	✓	RIN: 1.10	
Sample 4	QC 128	✓	RIN:1	
Sample 5	QC 128	✓	RIN N/A	
Sample 6	QC 128	✓	RIN: 1.10	
Sample 7	QC 128	✓	RIN: 2.10	
Sample 8	QC 128	✓	RIN N/A	
Sample 9	QC 128	✓	RIN: 1.10	
Sample 10	QC 128	✓	RIN: 1.30	
Sample 11	QC 128	✓	RIN: 3.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 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

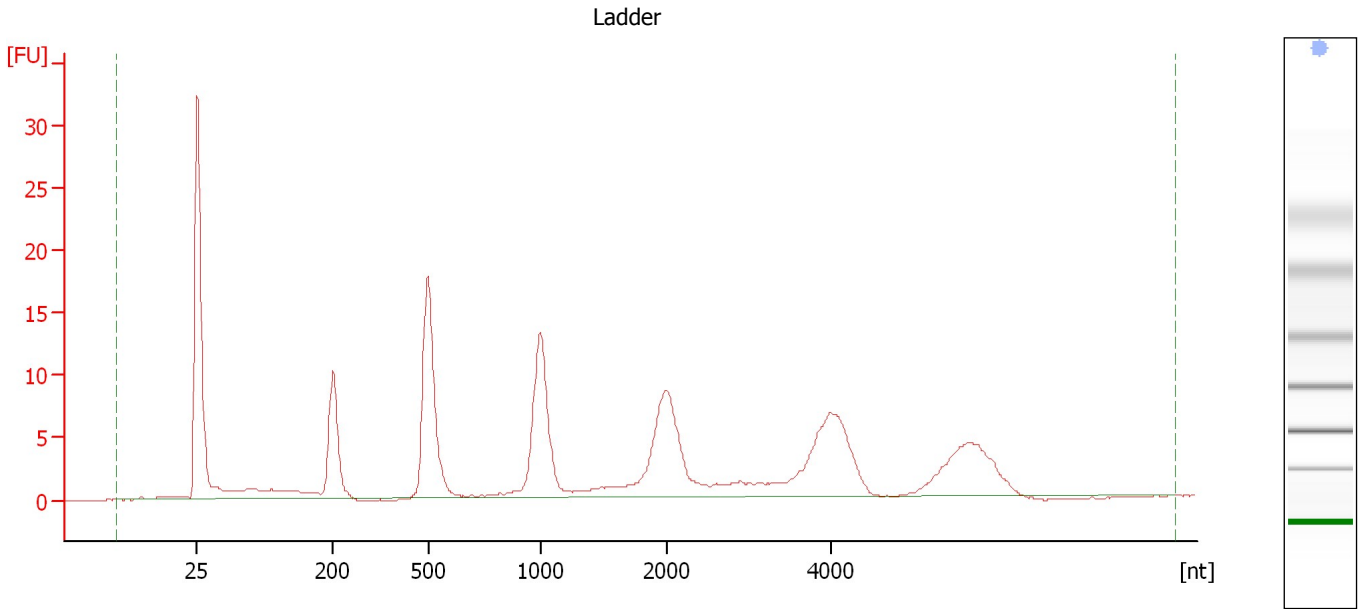
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary



Overall Results for Ladder

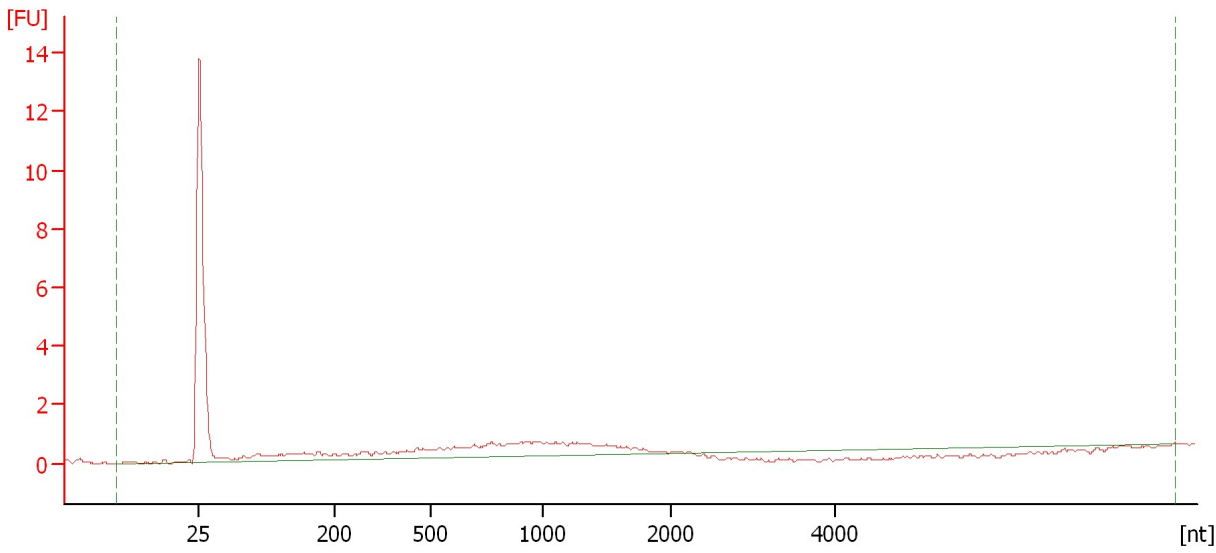
RNA Area:	178.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 1 [QC 128]



Overall Results for sample 1 : Sample 1

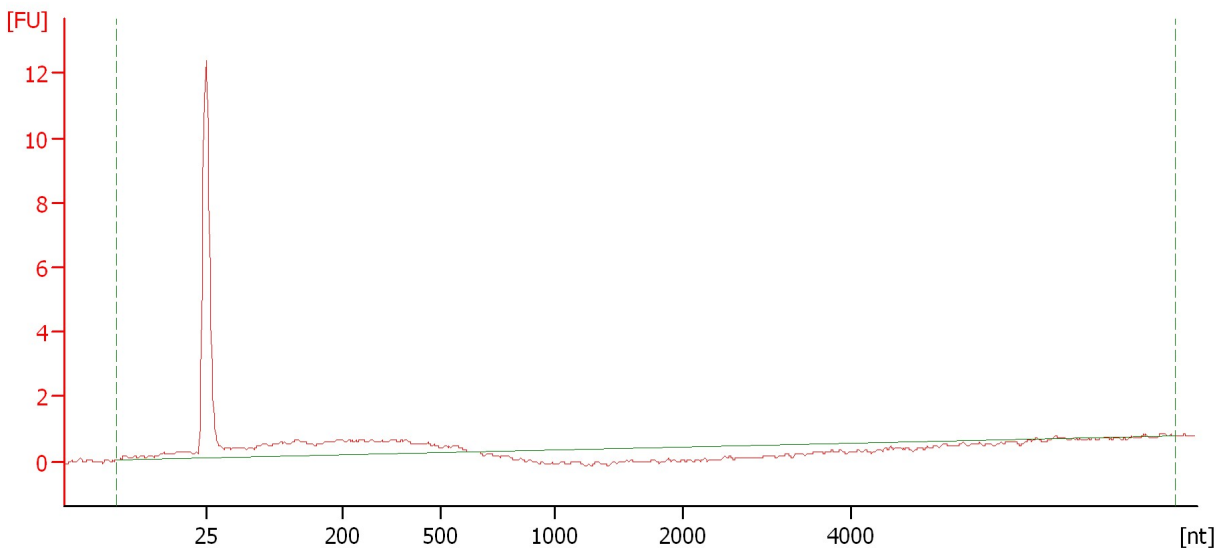
RNA Area:	15.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	86 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 2 [QC 128]



Overall Results for sample 2 : Sample 2

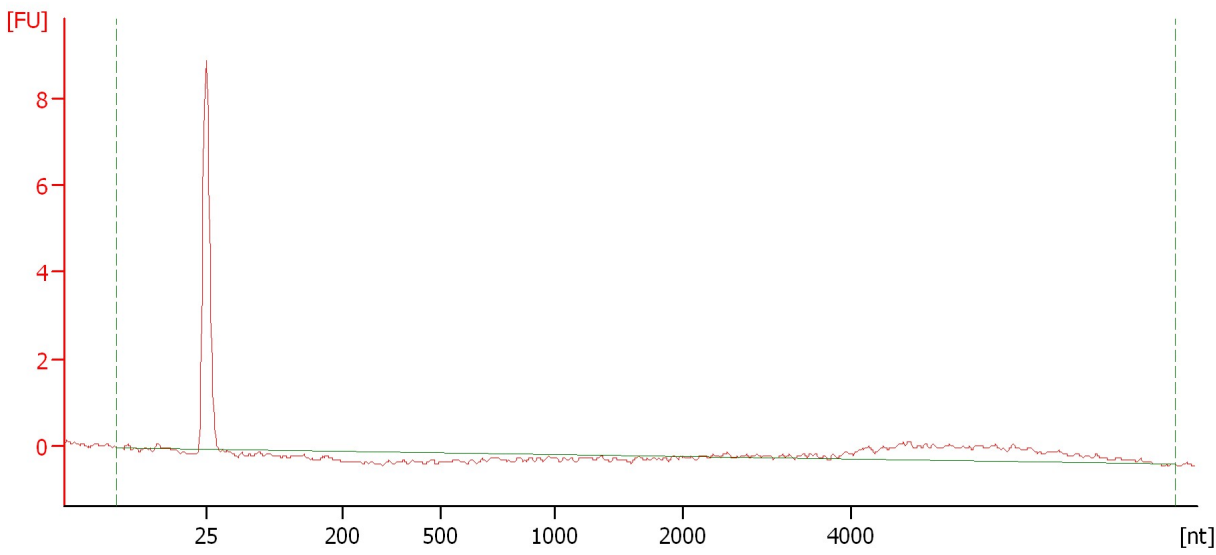
RNA Area:	15.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	85 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 3 [QC 128]



Overall Results for sample 3 : Sample 3

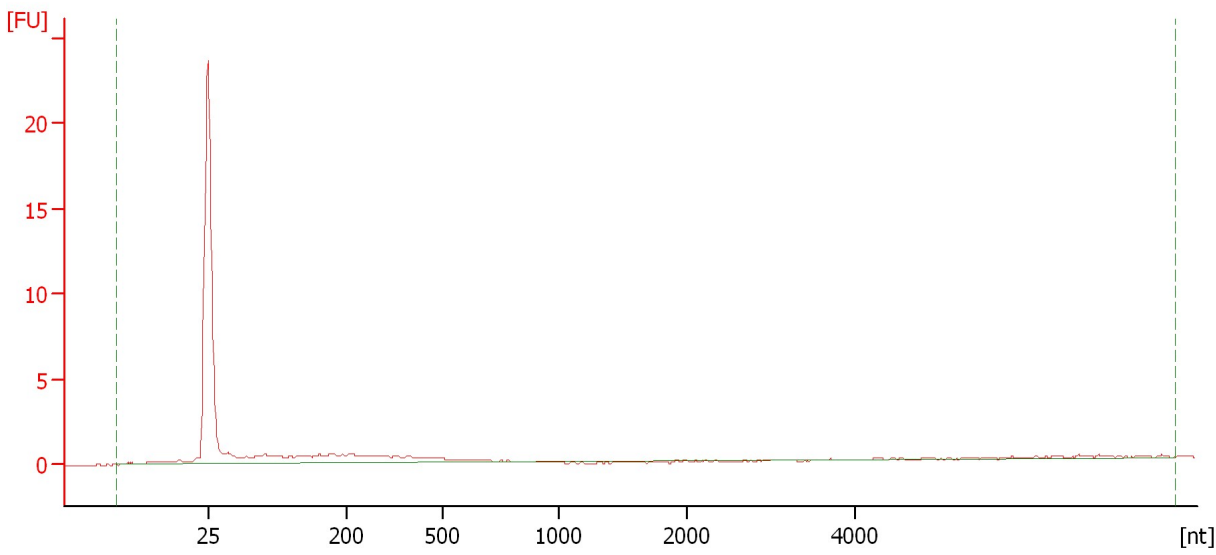
RNA Area:	6.0	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	33 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 4 [QC 128]



Overall Results for sample 4 : Sample 4

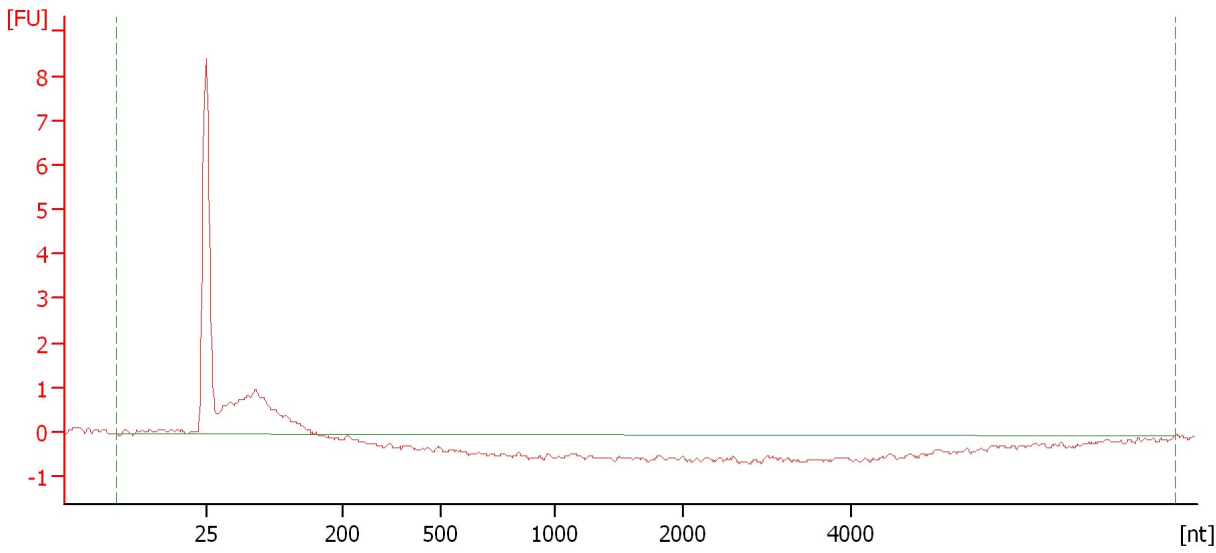
RNA Area:	19.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	107 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad


Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 5 [QC 128]



Overall Results for sample 5 : Sample 5

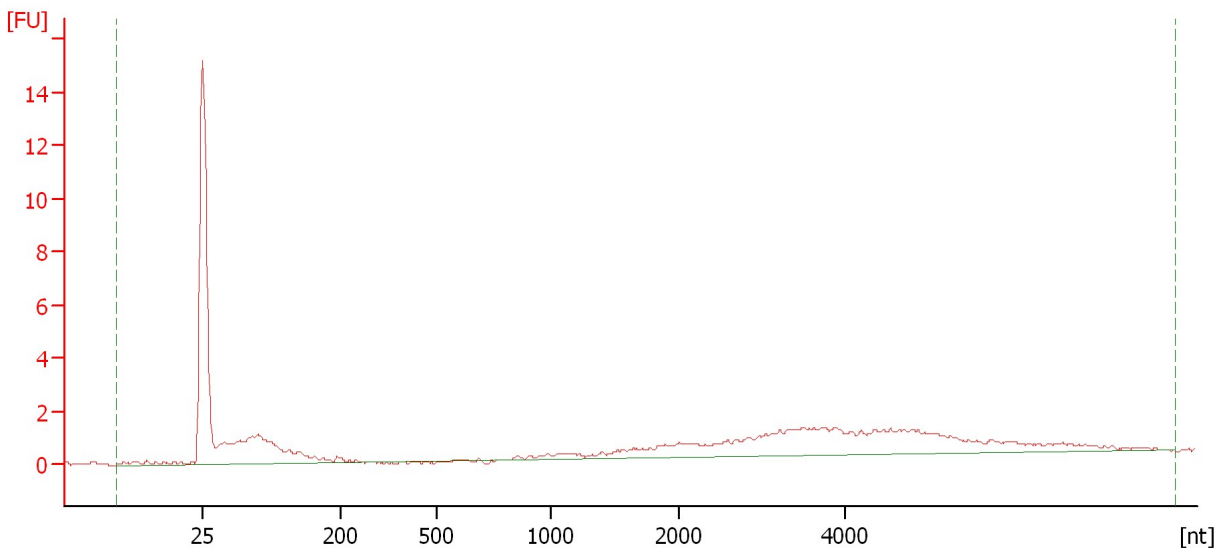
RNA Area:	10.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	57 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 6 [QC 128]



Overall Results for sample 6 : Sample 6

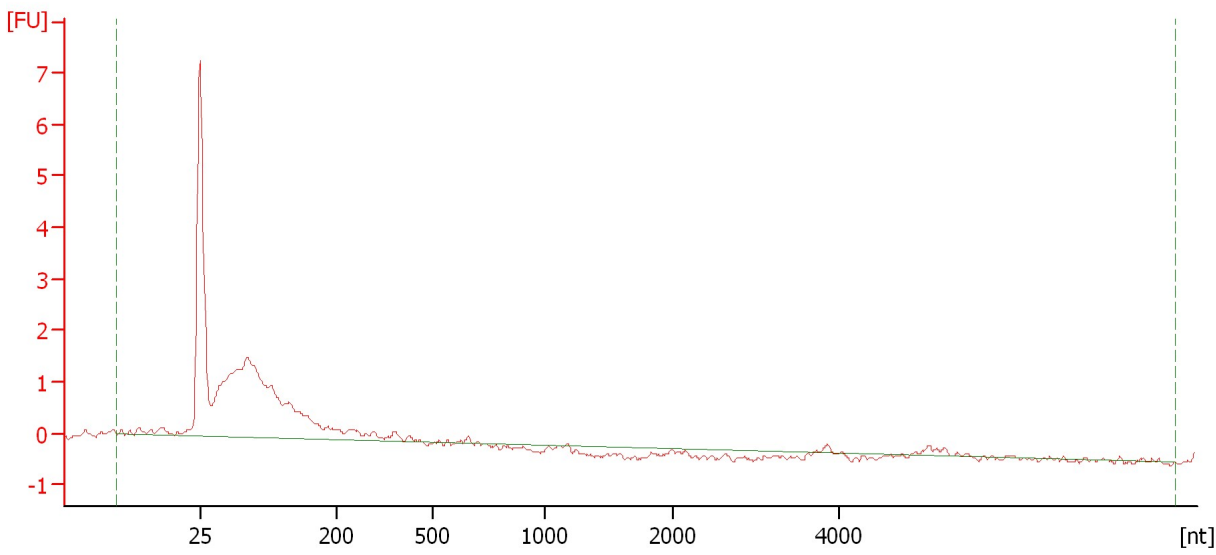
RNA Area:	40.7	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	228 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 7 [QC 128]



Overall Results for sample 7 : Sample 7

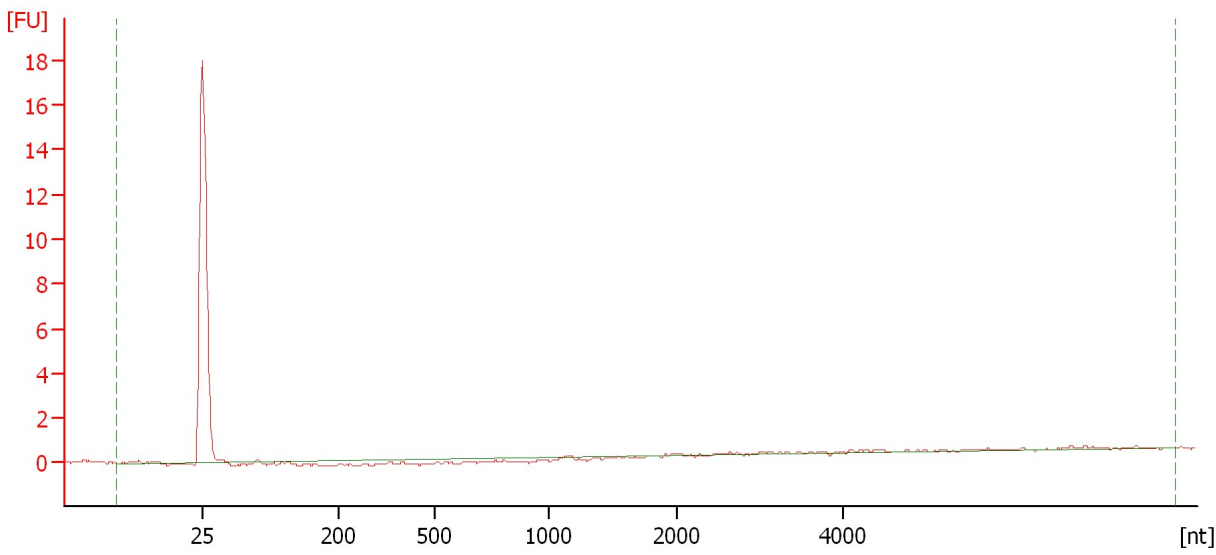
RNA Area:	21.6	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	121 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad


Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 8 [QC 128]



Overall Results for sample 8 : Sample 8

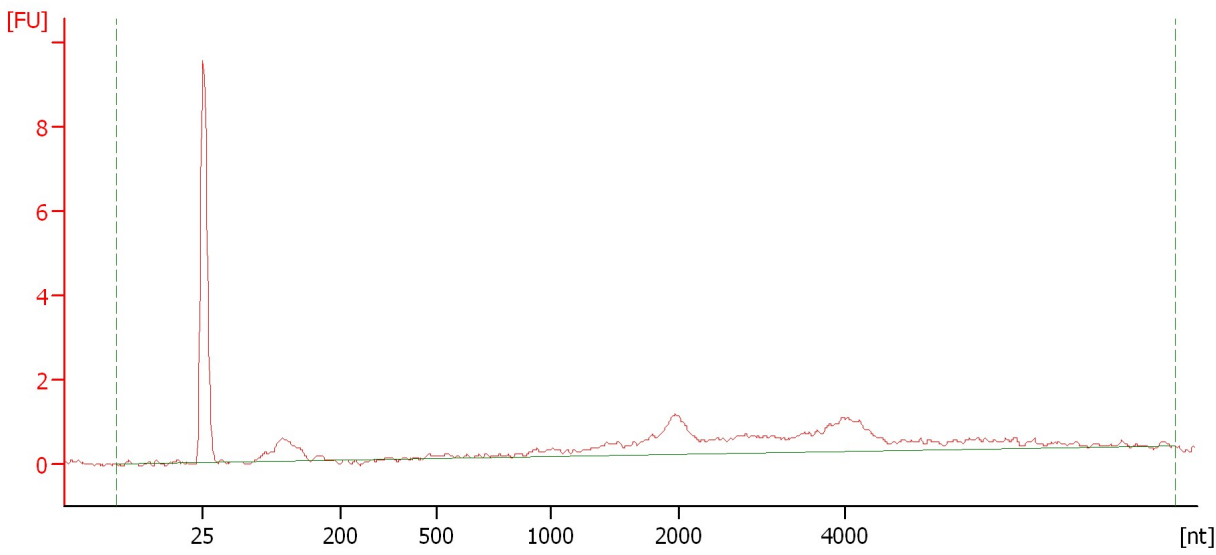
RNA Area:	1.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 9 [QC 128]



Overall Results for sample 9 : Sample 9

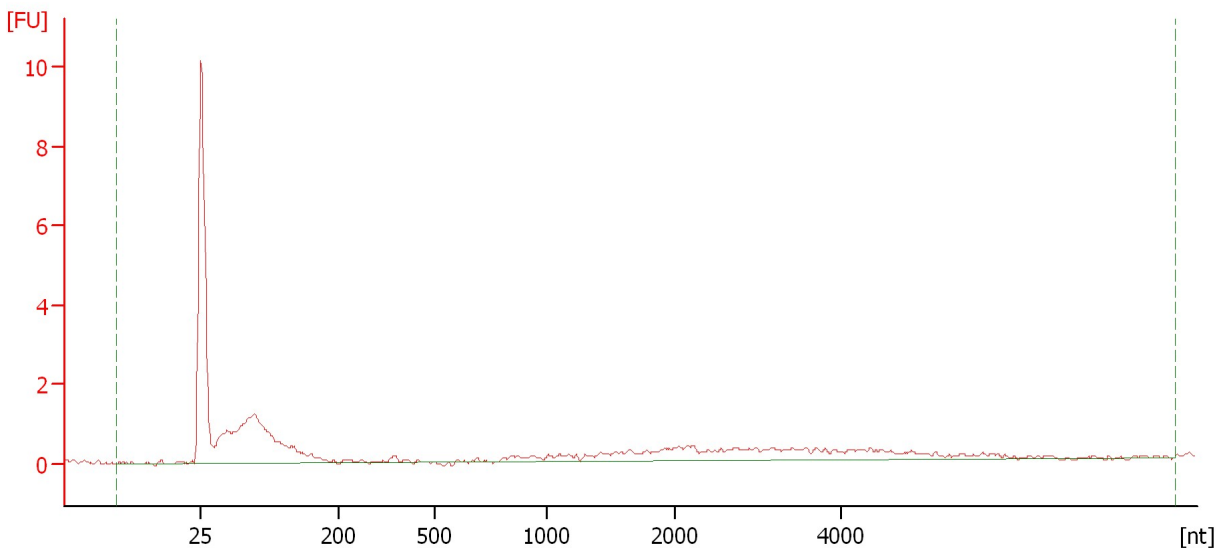
RNA Area:	20.5	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	115 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 10 [QC 128]



Overall Results for sample 10 : Sample 10

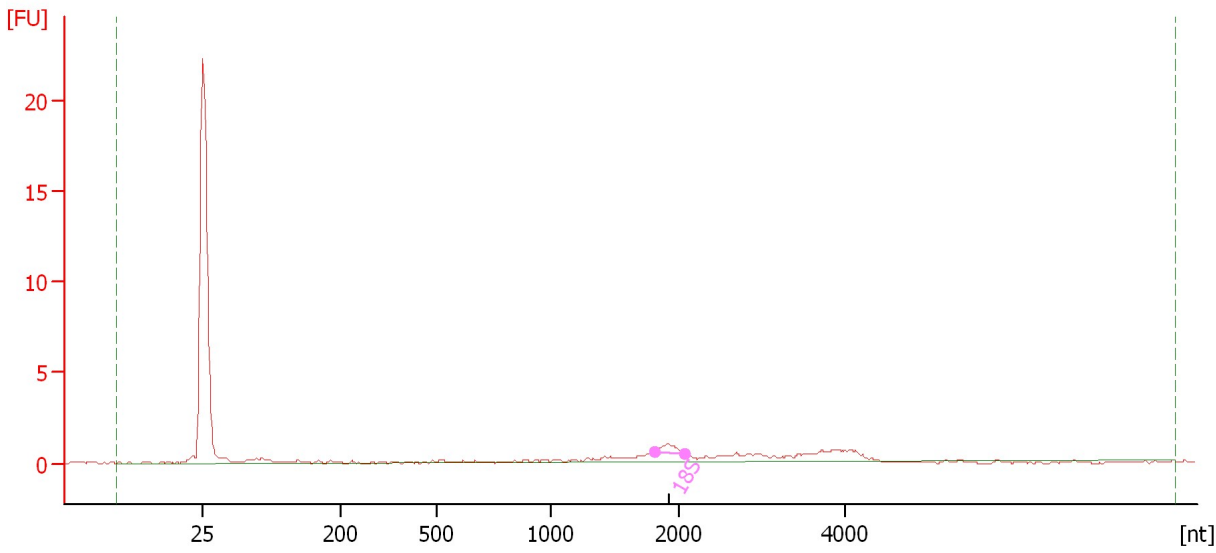
RNA Area:	24.5	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	138 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Electropherogram Summary Continued ...

Sample 11 [QC 128]



Overall Results for sample 11 : Sample 11

RNA Area:	14.0	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	79 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.20

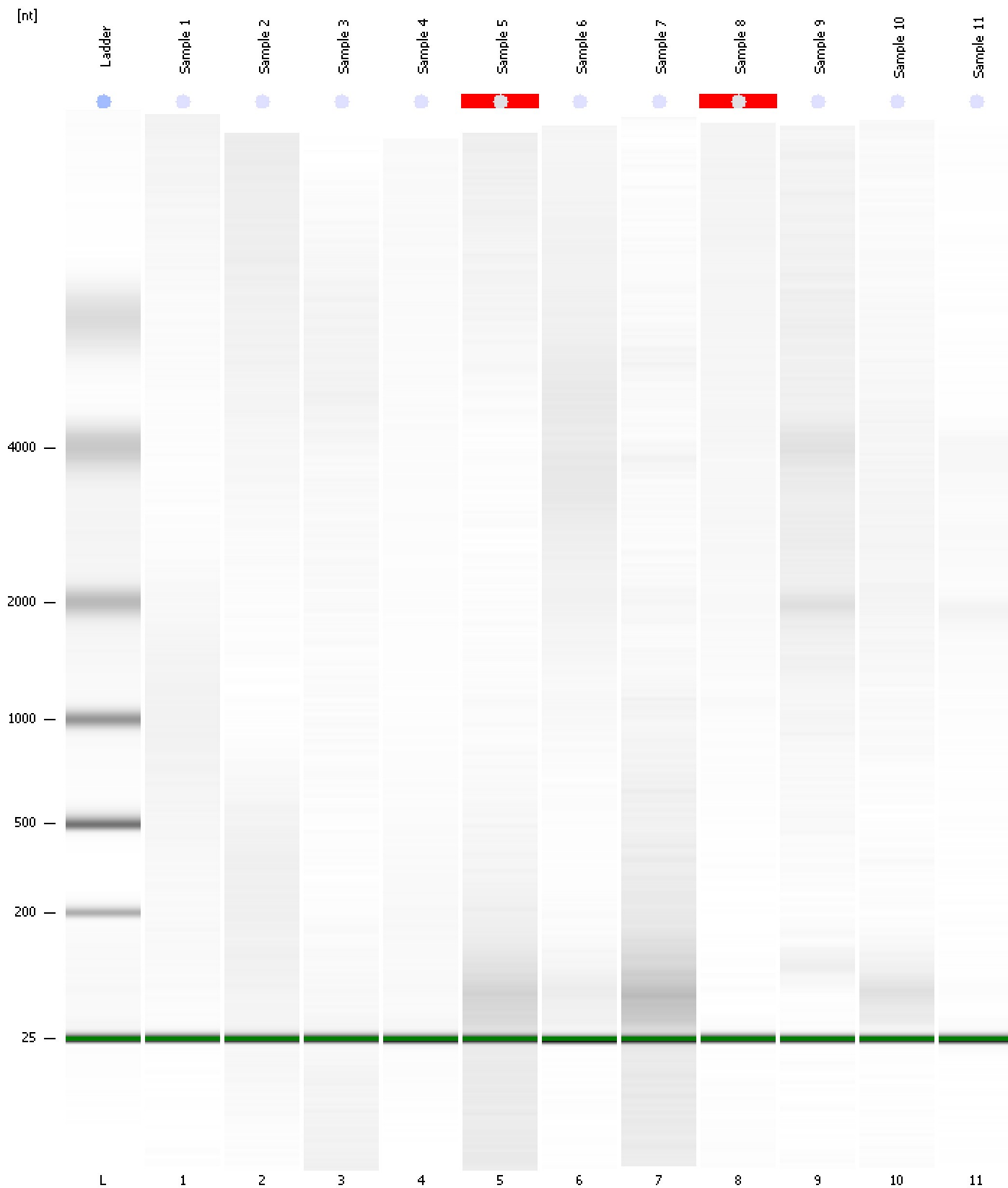
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,818	2,081	0.8	5.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
Modified: 10/14/2016 11:27:45 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad

Created: 10/14/2016 11:04:51 AM
 Modified: 10/14/2016 11:27:45 AM

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		10/14/2016 11:27:43 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-10-14\2016-10-14_002.xad)		Instrument	Run		10/14/2016 11:04:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/14/2016 11:04:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/14/2016 11:04:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/14/2016 11:04:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/14/2016 11:04:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/14/2016 11:04:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/14/2016 11:04:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1