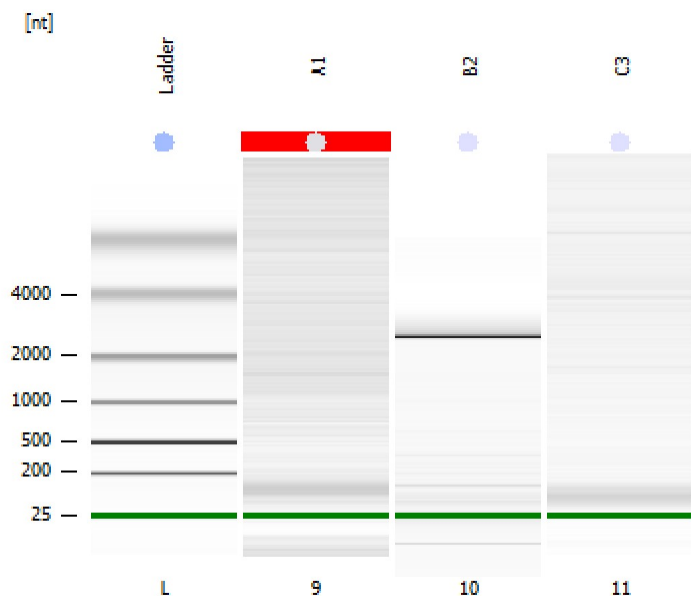


Assay Class: Plant RNA Pico
 Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
 Modified: 2/9/2023 7:14:30 PM

Electrophoresis File Run Summary



Instrument Information:

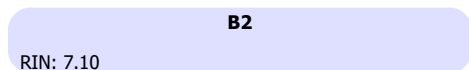
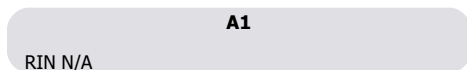
Instrument Name: DE34903152 Firmware: C.01.069
 Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Pico.xsy
 Assay Class: Plant RNA Pico
 Version: 1.3
 Assay Comments: Total RNA Analysis pg sensitivity (Plant)
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Chip Information:

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



Assay Class: Plant RNA Pico
 Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
 Modified: 2/9/2023 7:14:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN N/A	
B2		✓	RIN: 7.10	
C3		✓	RIN: 1.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
Modified: 2/9/2023 7:14:30 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

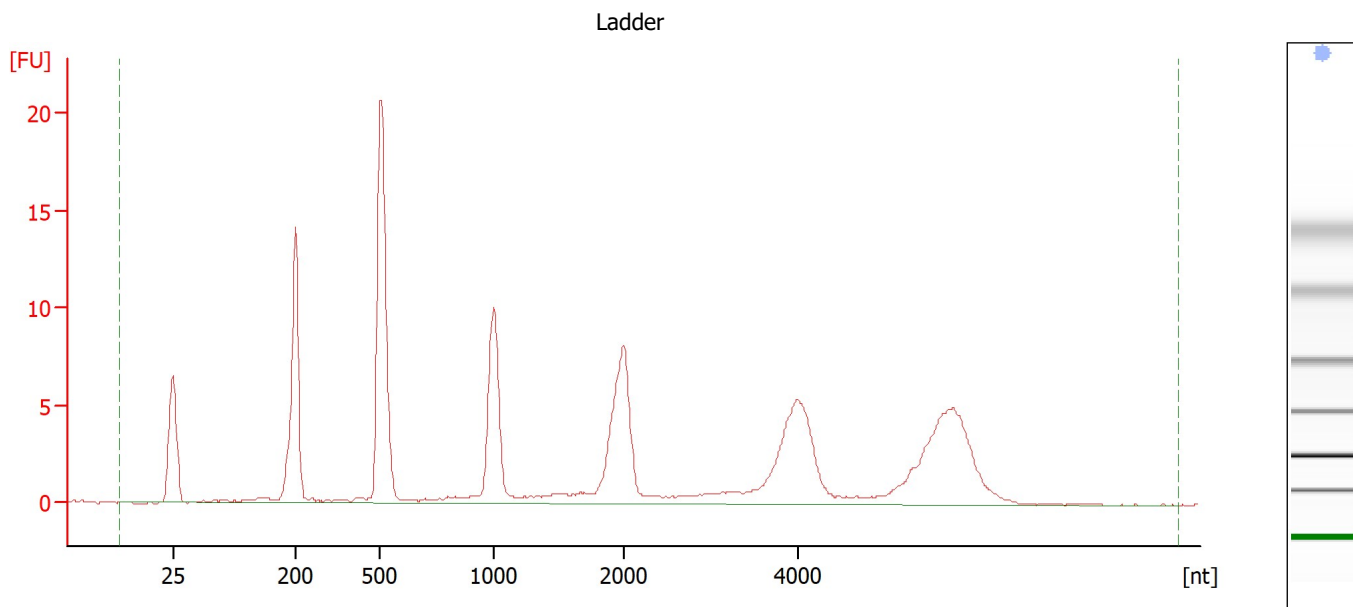
Ladder

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

Assay Class: Plant RNA Pico
Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
Modified: 2/9/2023 7:14:30 PM

Electropherogram Summary



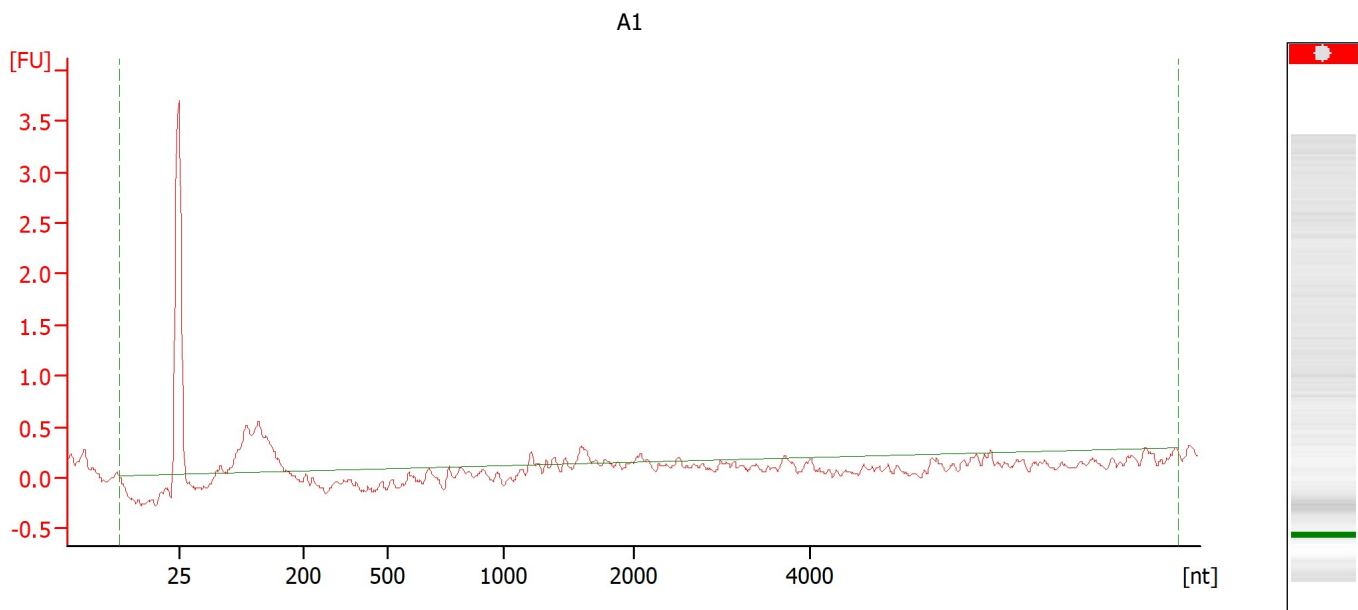
Overall Results for Ladder

RNA Area:	144.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico
 Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
 Modified: 2/9/2023 7:14:30 PM

Electropherogram Summary Continued ...



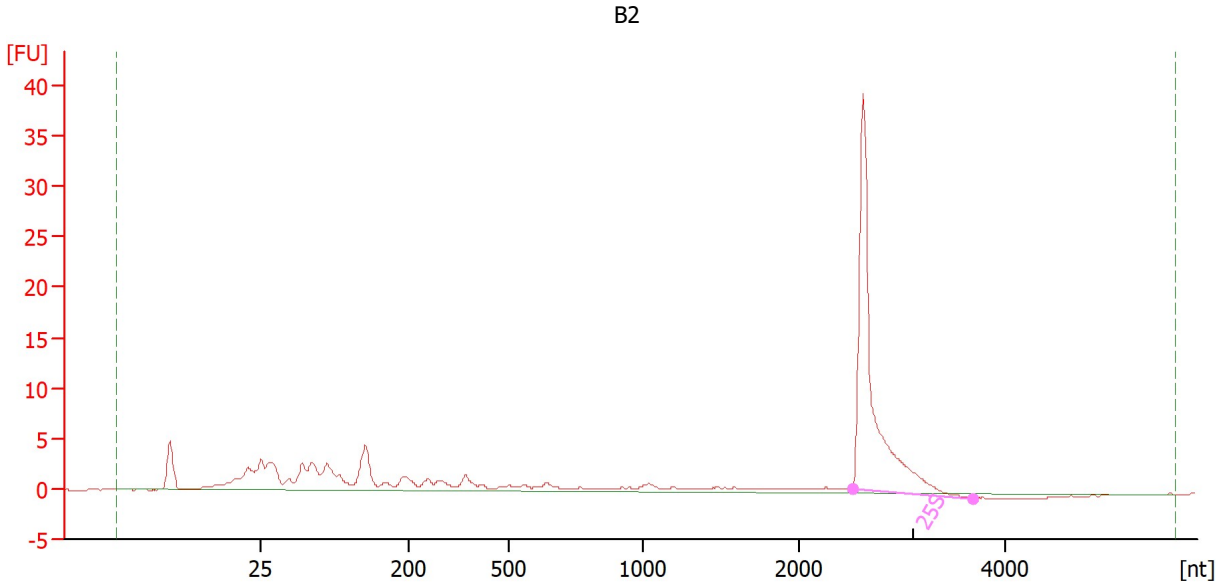
Overall Results for sample 9 : A1

RNA Area:	3.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	22 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Pico
 Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
 Modified: 2/9/2023 7:14:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : B2

RNA Area:	115.9	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	803 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 7.10

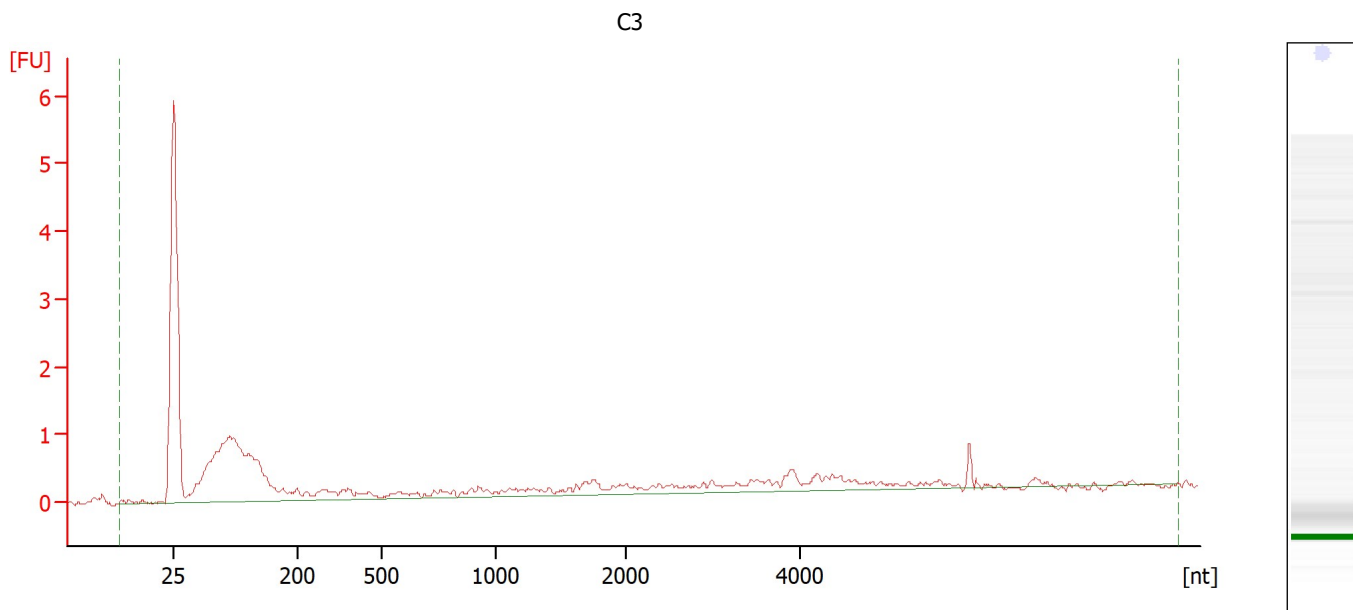
Fragment table for sample 10 : B2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	2,521	3,683	48.7	42.1

Assay Class: Plant RNA Pico
 Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
 Modified: 2/9/2023 7:14:30 PM

Electropherogram Summary Continued ...



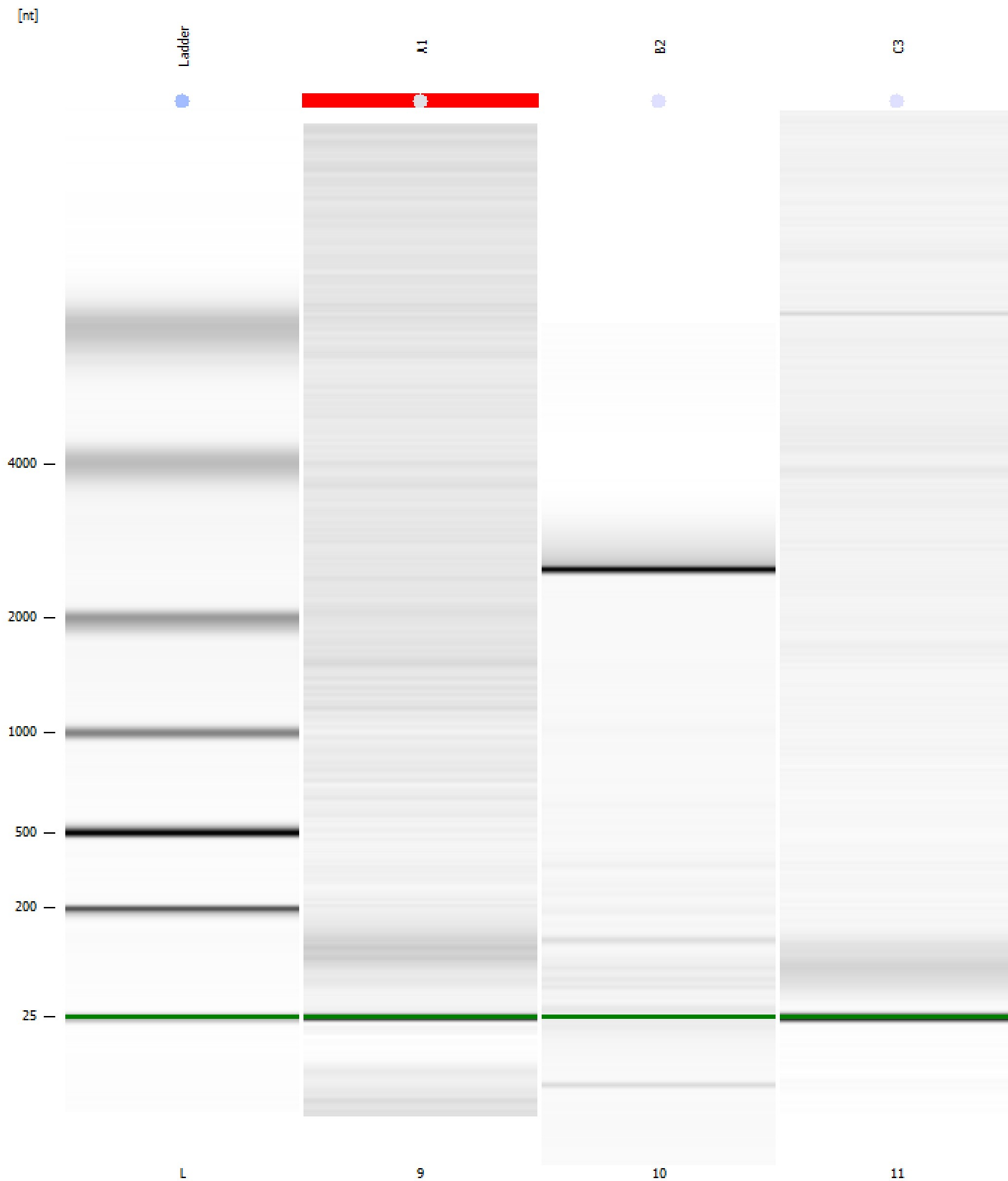
Overall Results for sample 11 : C3

RNA Area:	17.7	RNA Integrity Number (RIN):	1.6 (B.02.10)
RNA Concentration:	123 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Plant RNA Pico
Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
Modified: 2/9/2023 7:14:30 PM

Gel Image



Assay Class: Plant RNA Pico
 Data Path: C:\...-09\Nova0832_RNA_QC_spot_check_1_Fretz_Bullock_2-9-2023.xad

Created: 2/9/2023 4:57:29 PM
 Modified: 2/9/2023 7:14:30 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		2/9/2023 5:20:22 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-02-09\Bioanalyzer1_Plant RNA Pico_2023-02-09_001.xad)		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/9/2023 4:57:35 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/9/2023 4:57:34 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB