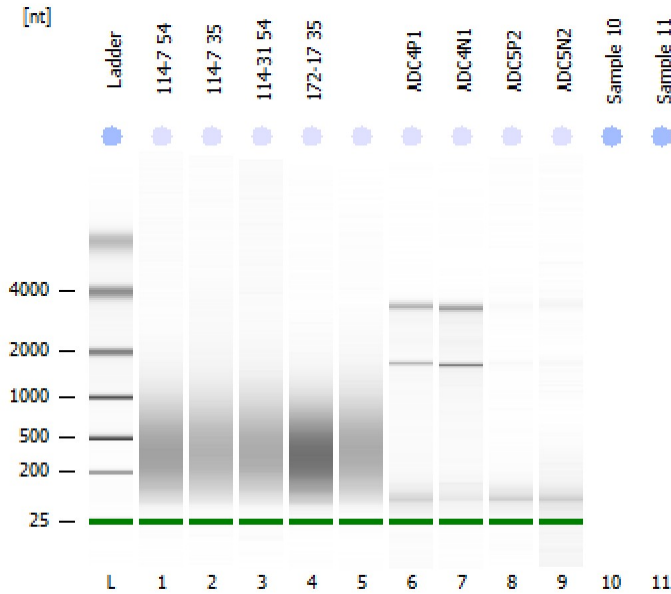


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 12:53:45 PM

Electrophoresis File Run Summary



Instrument Information:

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

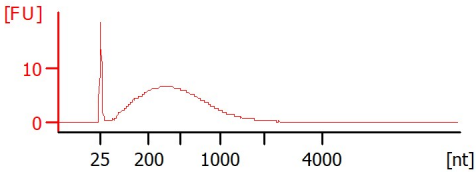
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\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.

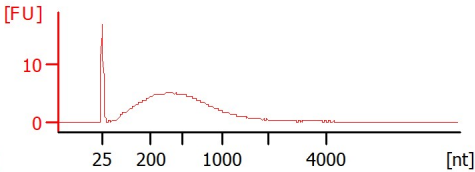
Chip Information:

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

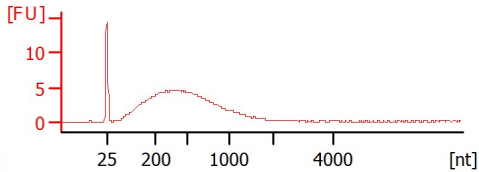
114-7 54
 RIN: 2.30



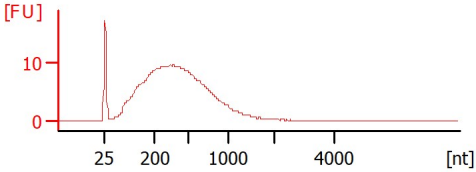
114-7 35
 RIN: 2.20



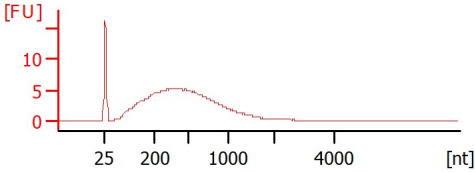
114-31 54
 RIN: 2.30



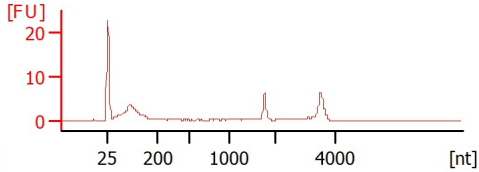
172-17 35
 RIN: 2.20



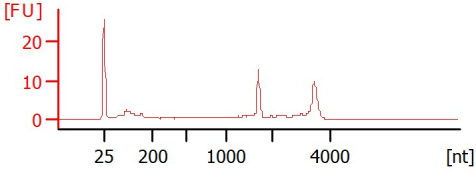
ADC4P1
 RIN: 2.30



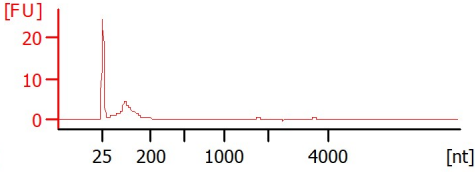
ADC4P1
 HiSeq2087 #1
 RIN: 8.60



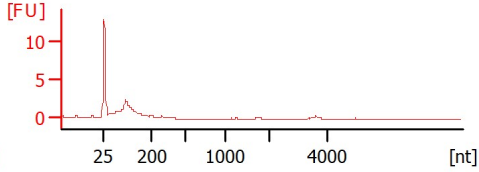
ADC4N1
 HiSeq2087 #2
 RIN: 8.40



ADC5P2
 HiSeq2087 #3
 RIN: 1.90



ADC5N2
 HiSeq2087 #4
 RIN: 1.80



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 12:53:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
114-7 54		✓	RIN: 2.30	
114-7 35		✓	RIN: 2.20	
114-31 54		✓	RIN: 2.30	
172-17 35		✓	RIN: 2.20	
		✓	RIN: 2.30	
ADC4P1	HiSeq2087 #1	✓	RIN: 8.60	
ADC4N1	HiSeq2087 #2	✓	RIN: 8.40	
ADC5P2	HiSeq2087 #3	✓	RIN: 1.90	
ADC5N2	HiSeq2087 #4	✓	RIN: 1.80	
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 12:53:45 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

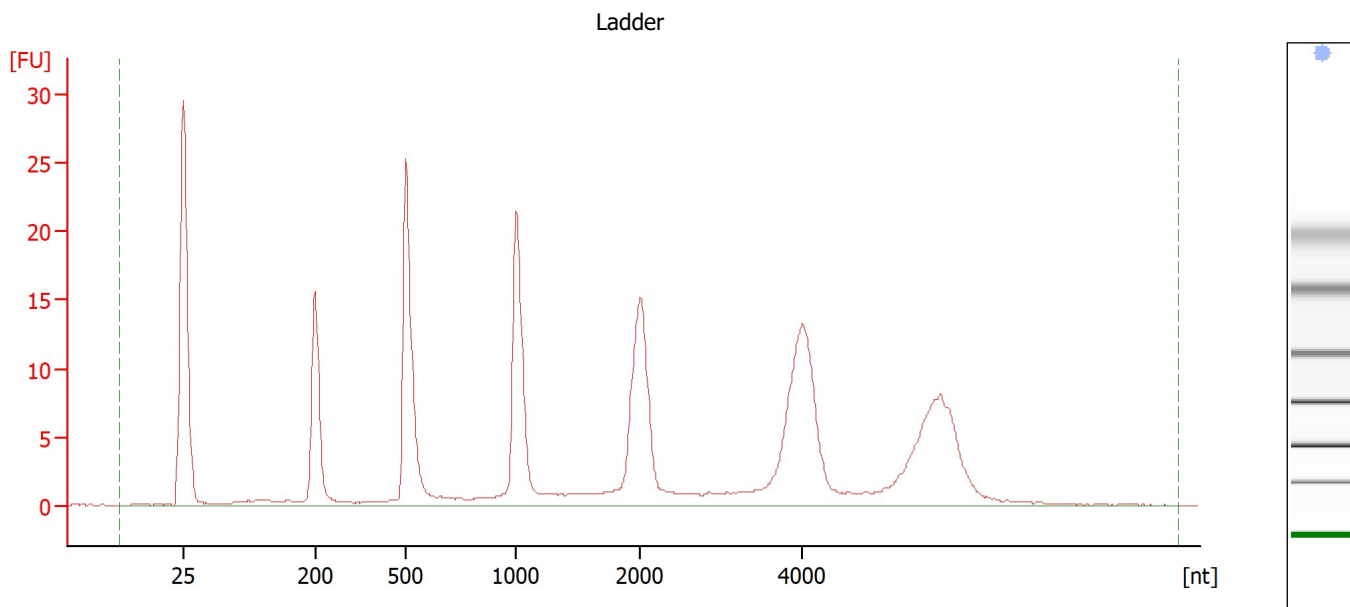
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary



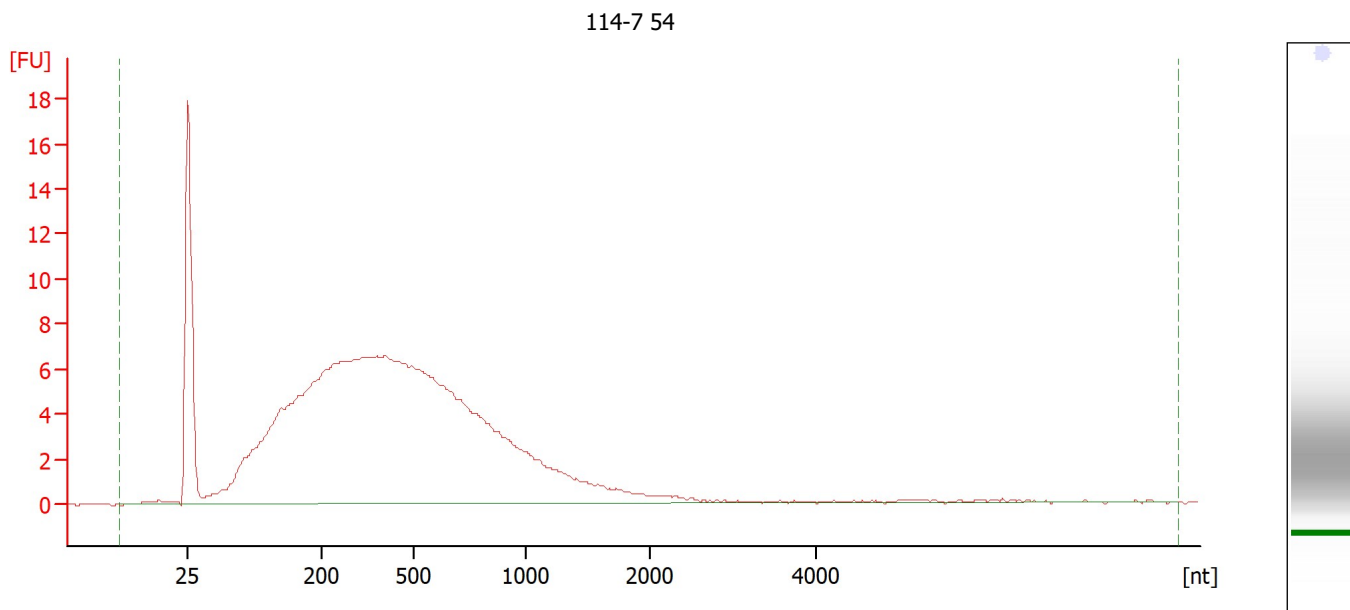
Overall Results for Ladder

RNA Area:	231.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



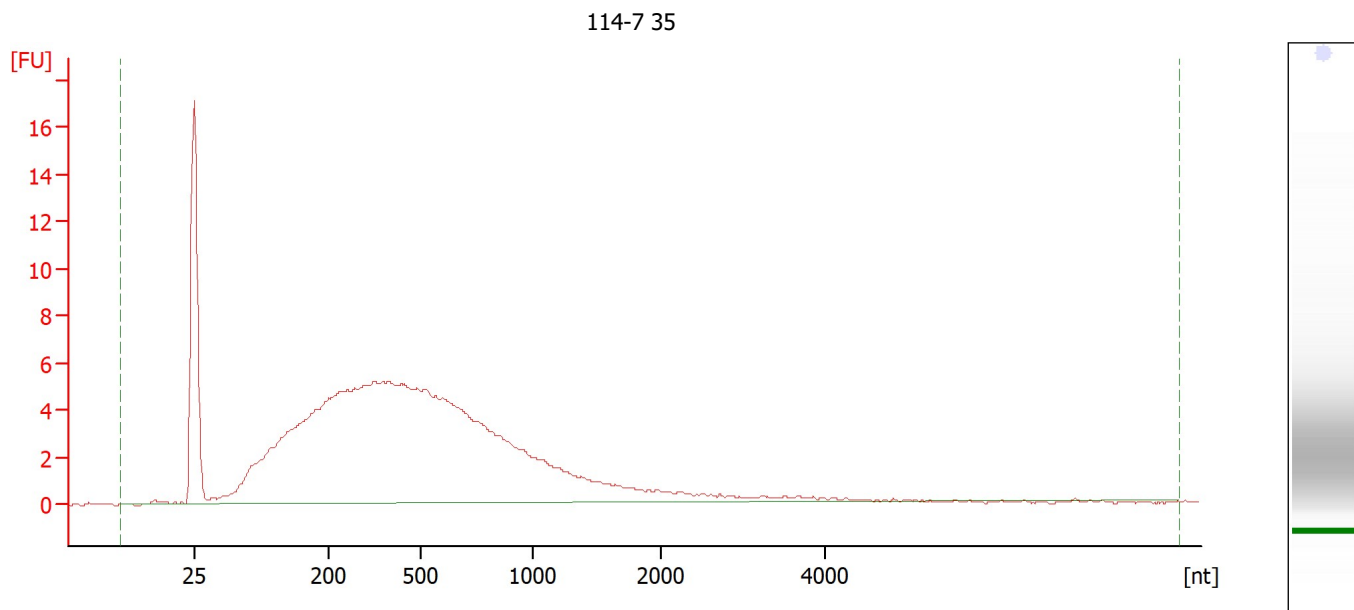
Overall Results for sample 1 : 114-7 54

RNA Area:	230.0	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	993 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



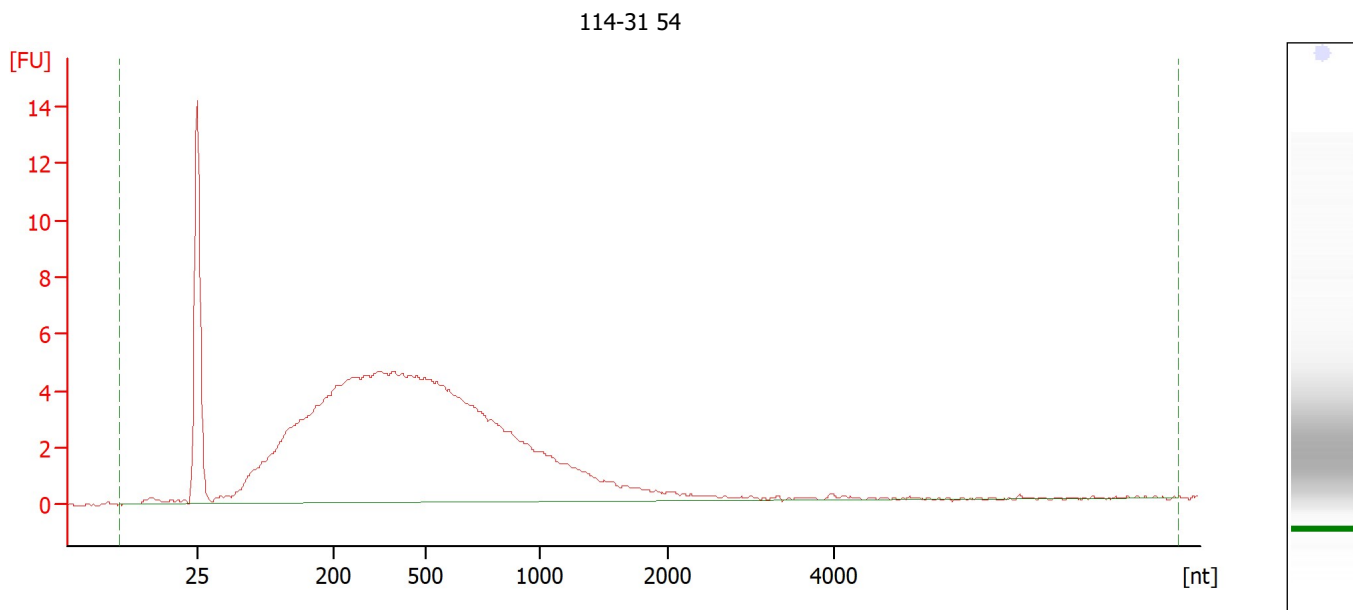
Overall Results for sample 2 : 114-7 35

RNA Area:	182.9	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	790 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



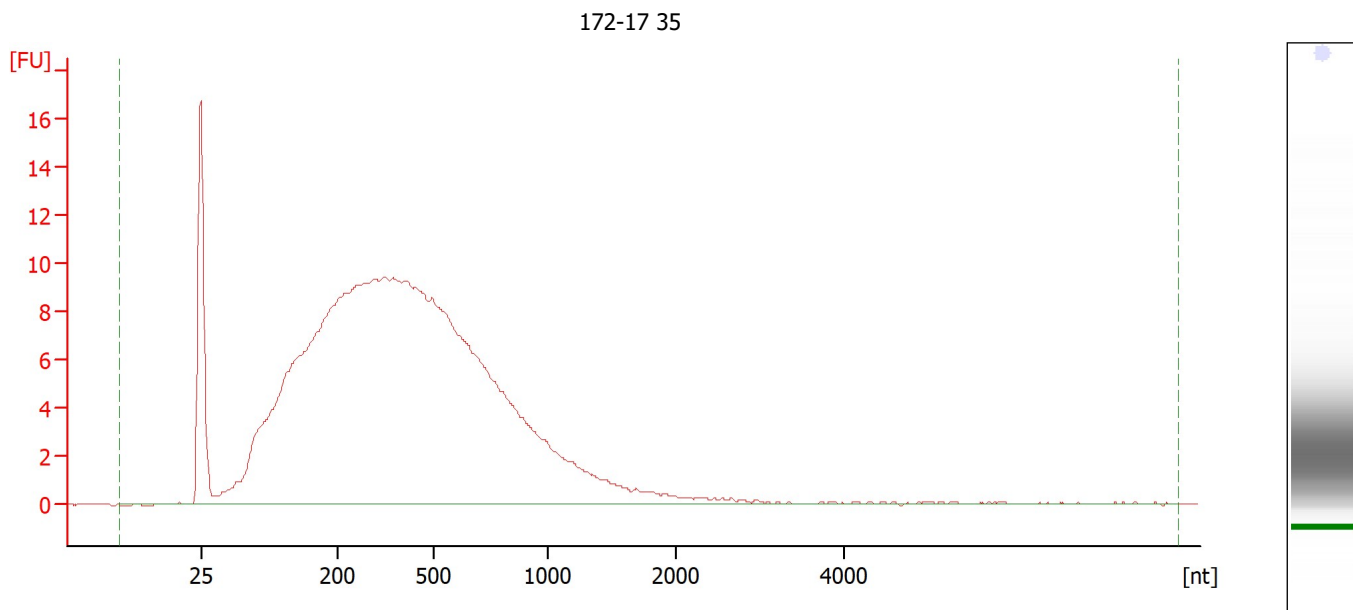
Overall Results for sample 3 : 114-31 54

RNA Area:	161.0	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	695 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



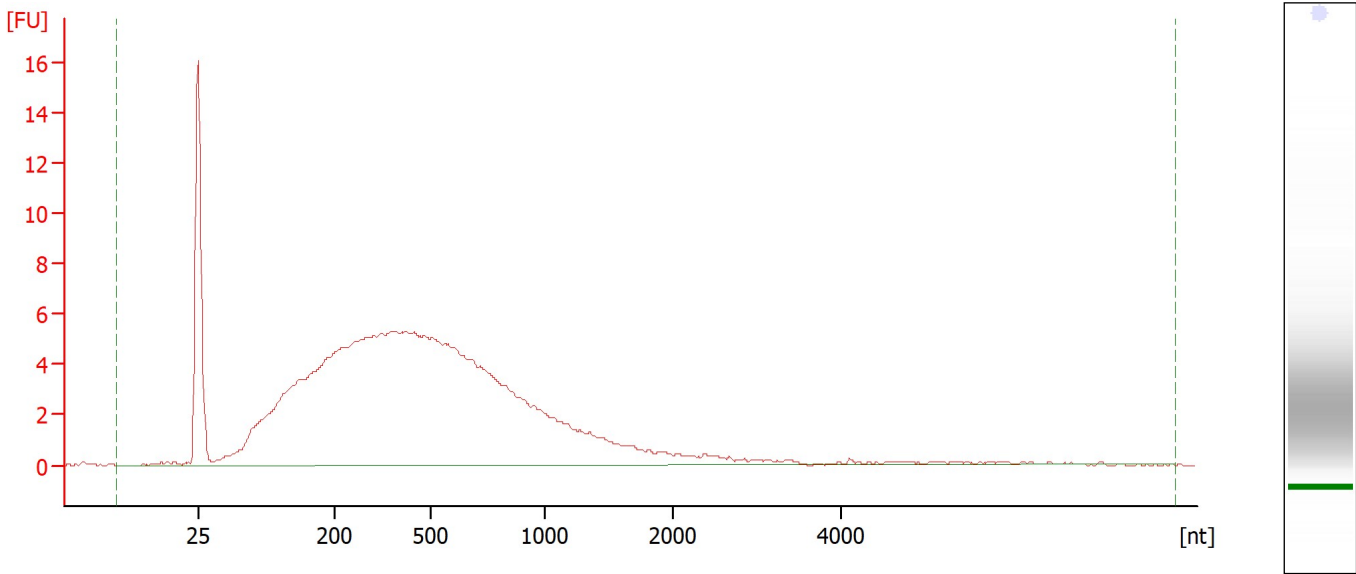
Overall Results for sample 4 : 172-17 35

RNA Area:	312.1	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	1,348 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: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



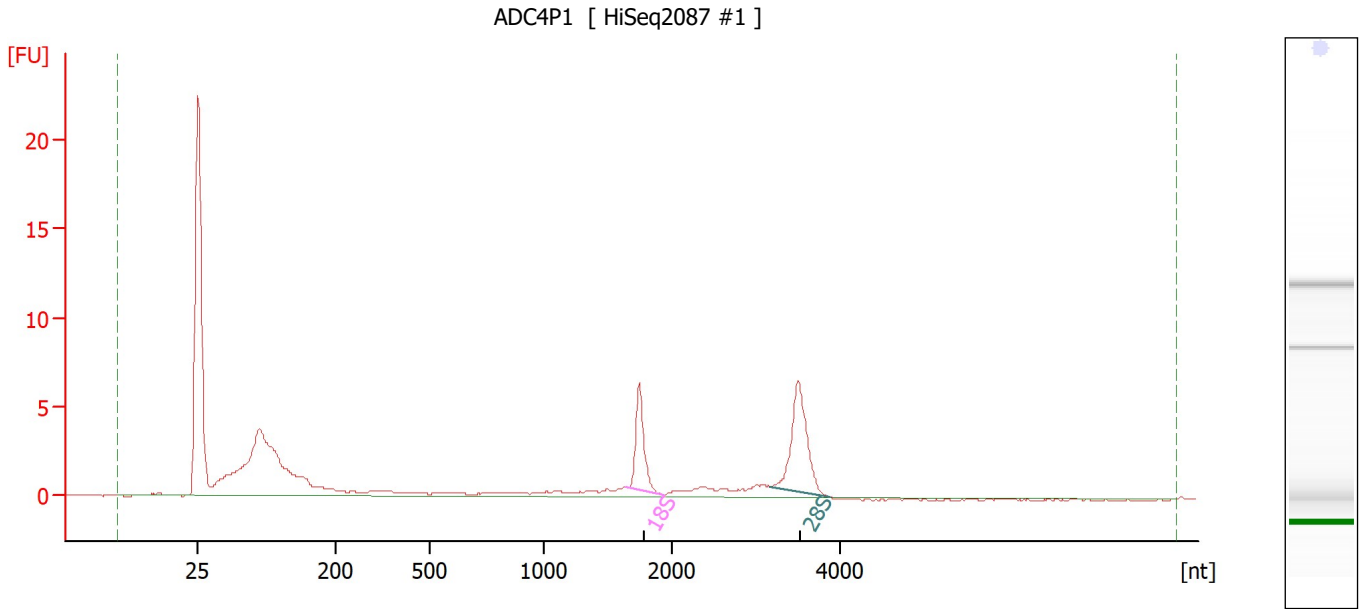
Overall Results for sample 5 :

RNA Area:	190.8	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	824 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : ADC4P1

RNA Area:	67.0	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	289 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.60

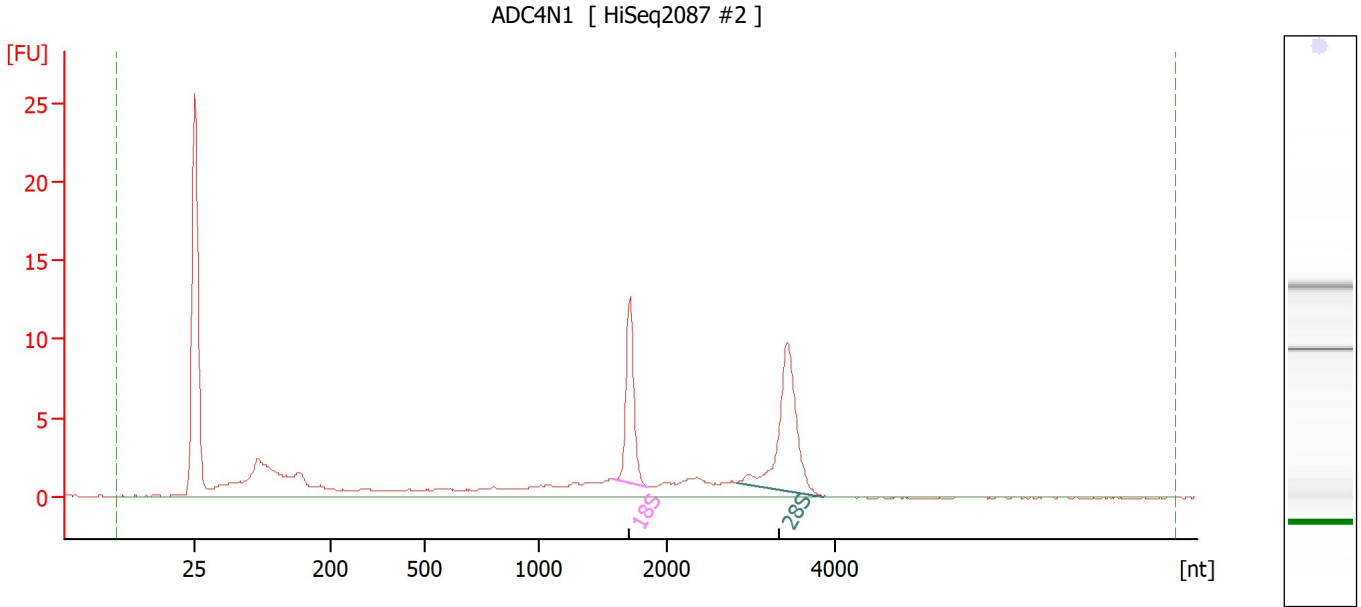
Fragment table for sample 6 : ADC4P1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	1,931	6.1	9.1
28S	3,178	3,877	10.2	15.2

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : ADC4N1

RNA Area:	89.0	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	384 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.40

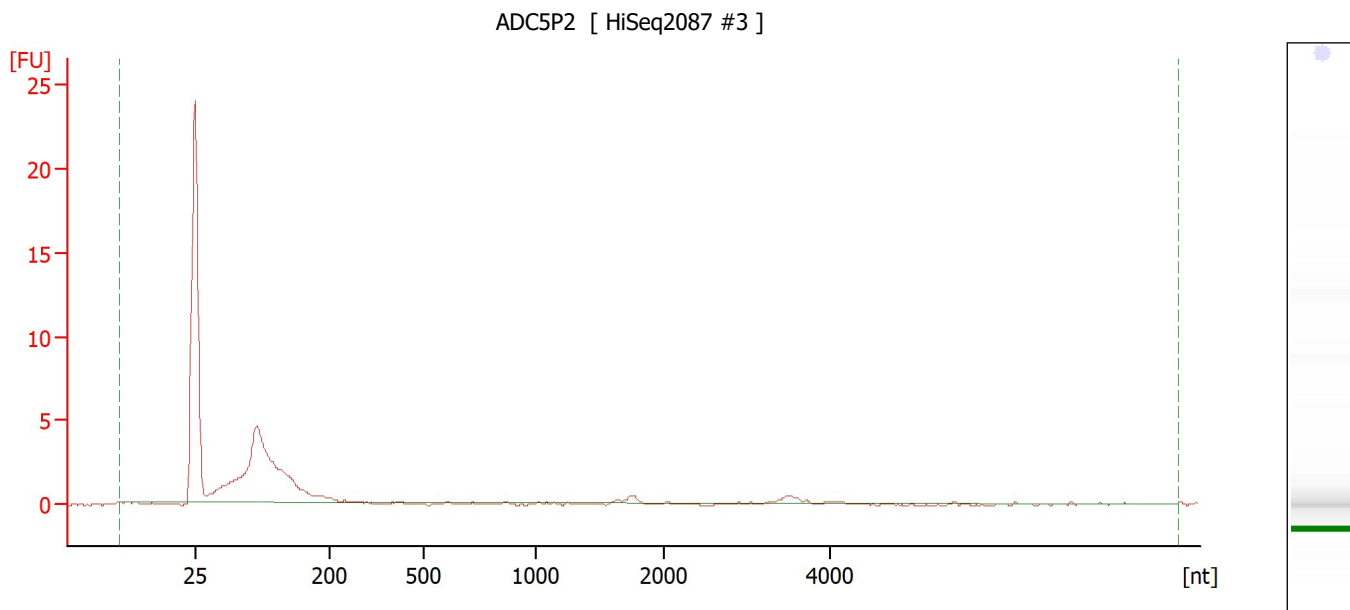
Fragment table for sample 7 : ADC4N1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,838	10.9	12.3
28S	2,850	3,858	17.4	19.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



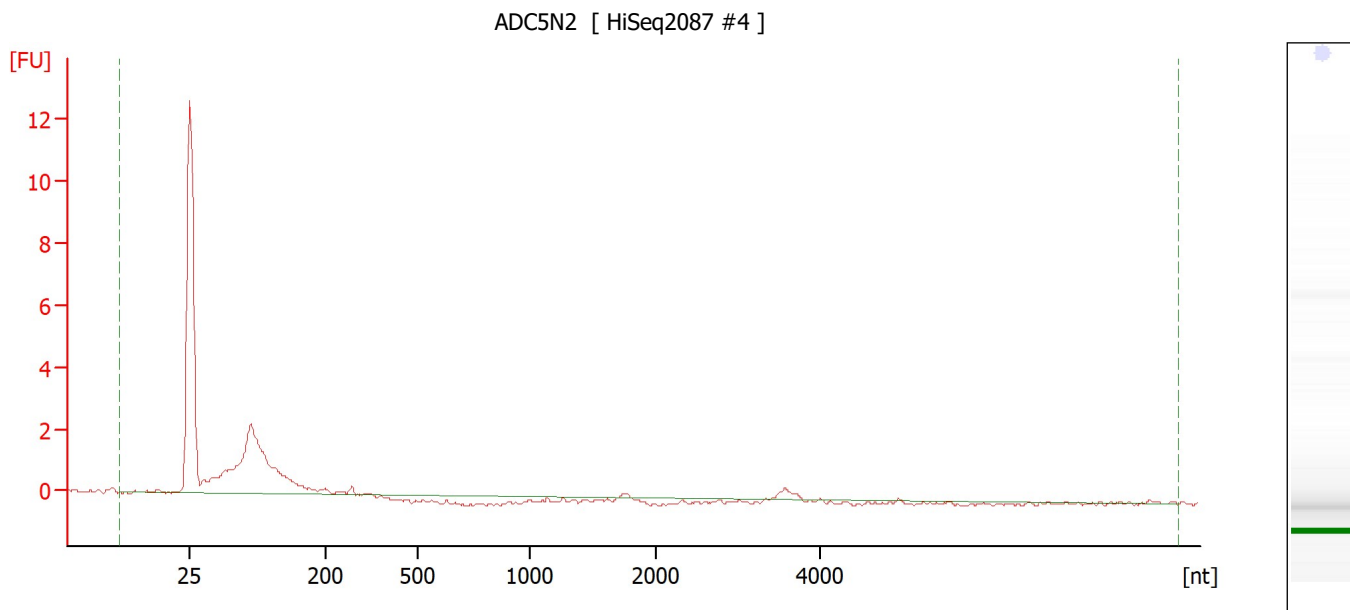
Overall Results for sample 8 : ADC5P2

RNA Area:	33.6	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	145 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: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 12:53:45 PM

Electropherogram Summary Continued ...



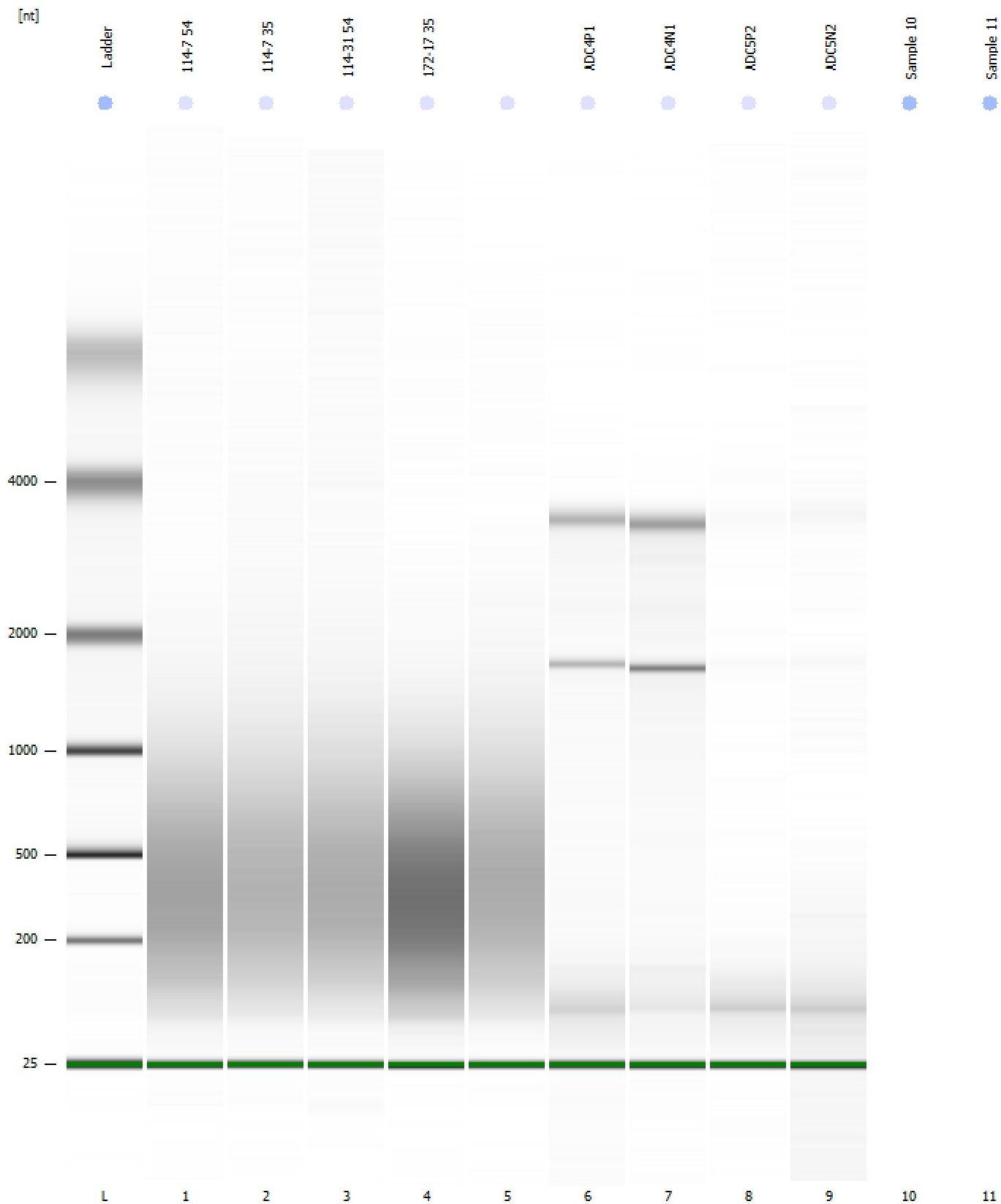
Overall Results for sample 9 : ADC5N2

RNA Area:	18.2	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	78 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: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 12:53:45 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...12\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-12_001.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 12:53:45 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		2/12/2020 12:53:41 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-02-12\Bioanalyze r1_Eukaryote Total RNA Pico_2020-02-12_001.xad)		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/12/2020 12:33:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB