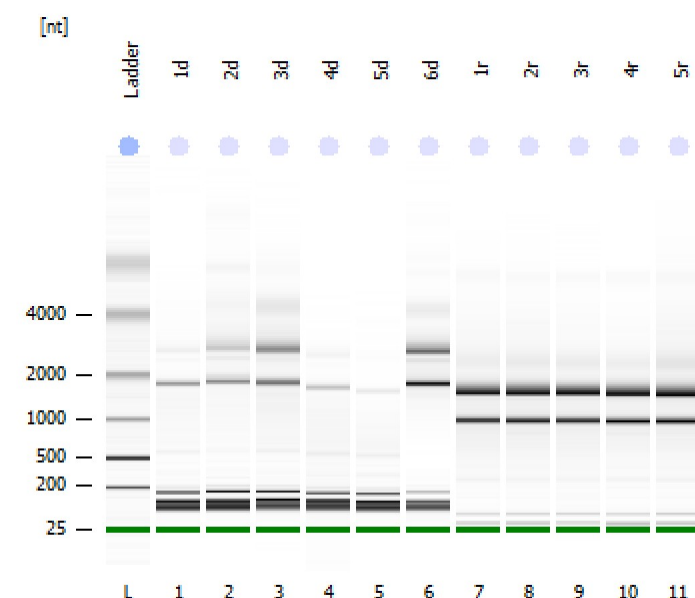


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad

Created: 5/30/2019 11:30:03 AM
Modified: 5/30/2019 11:52:30 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701162
Serial#: DE13701162

Firmware: C.01.069
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)

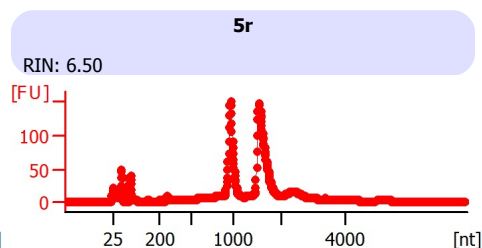
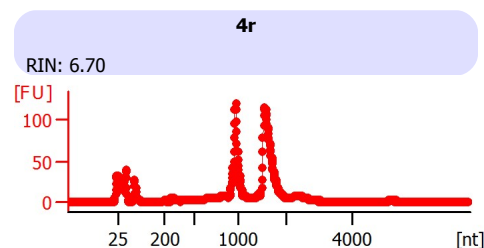
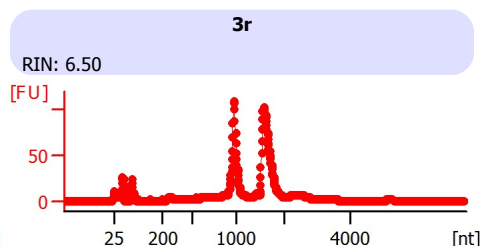
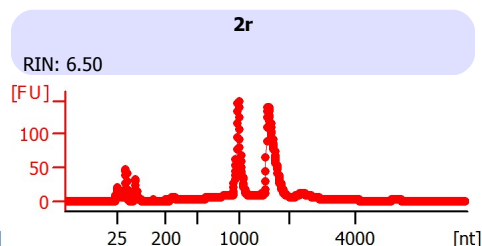
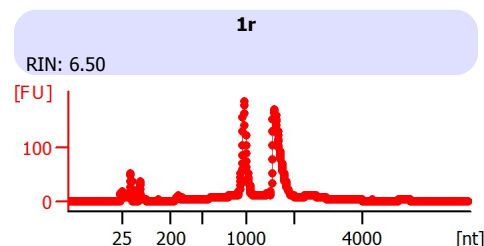
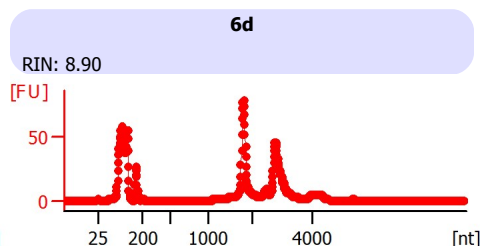
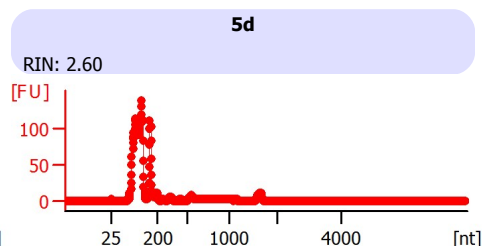
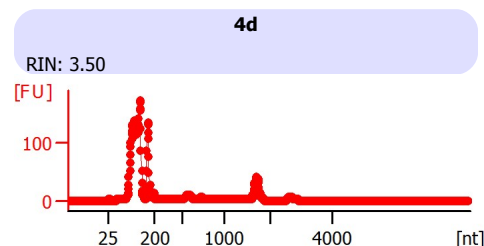
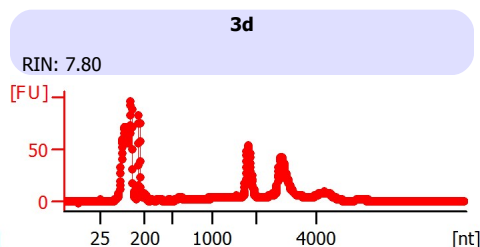
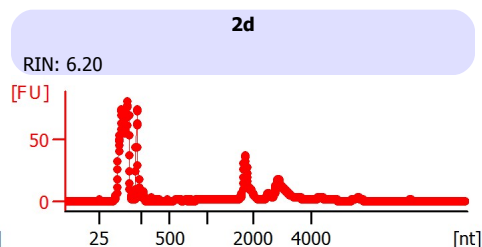
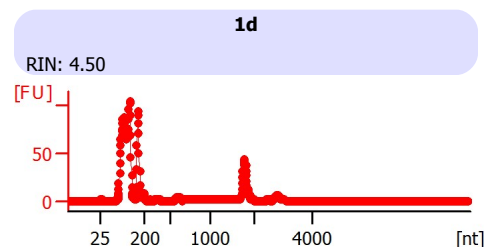
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad

Created: 5/30/2019 11:30:03 AM
Modified: 5/30/2019 11:52:30 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1d		✓	RIN: 4.50	
2d		✓	RIN: 6.20	
3d		✓	RIN: 7.80	
4d		✓	RIN: 3.50	
5d		✓	RIN: 2.60	
6d		✓	RIN: 8.90	
1r		✓	RIN: 6.50	
2r		✓	RIN: 6.50	
3r		✓	RIN: 6.50	
4r		✓	RIN: 6.70	
5r		✓	RIN: 6.50	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad

Created: 5/30/2019 11:30:03 AM
Modified: 5/30/2019 11:52:30 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/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

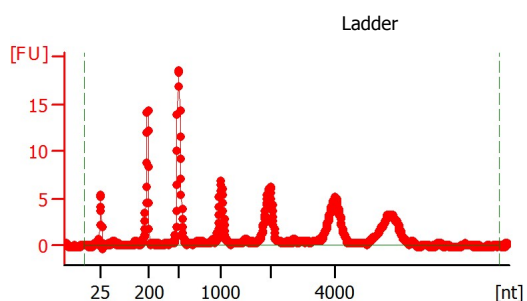
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad

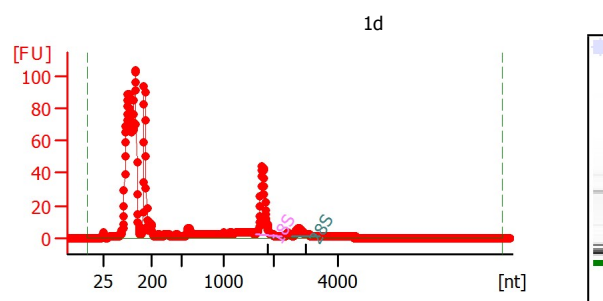
Created: 5/30/2019 11:30:03 AM
 Modified: 5/30/2019 11:52:30 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 115.0
 RNA Concentration: 1,000 pg/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

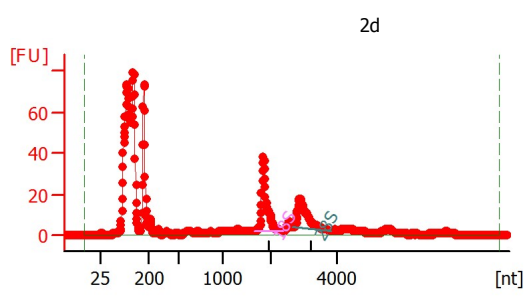


Overall Results for sample 1 : 1d

RNA Area: 809.3
 RNA Concentration: 7,039 pg/μl
 rRNA Ratio [28s / 18s]: 0.2
 RNA Integrity Number (RIN): 4.5 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.50

Fragment table for sample 1 : 1d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	2,269	59.7	7.4
28S	2,602	3,423	11.1	1.4

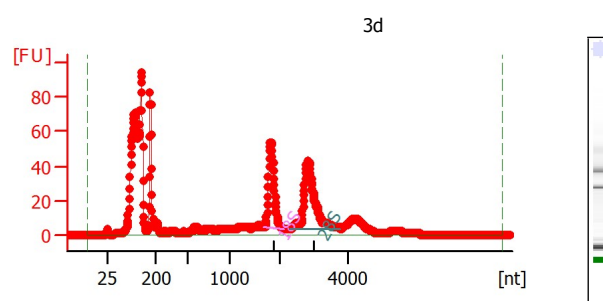


Overall Results for sample 2 : 2d

RNA Area: 755.6
 RNA Concentration: 6,572 pg/μl
 rRNA Ratio [28s / 18s]: 0.7
 RNA Integrity Number (RIN): 6.2 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.20

Fragment table for sample 2 : 2d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	2,333	58.6	7.8
28S	2,652	3,800	41.5	5.5



Overall Results for sample 3 : 3d

RNA Area: 997.8
 RNA Concentration: 8,678 pg/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80

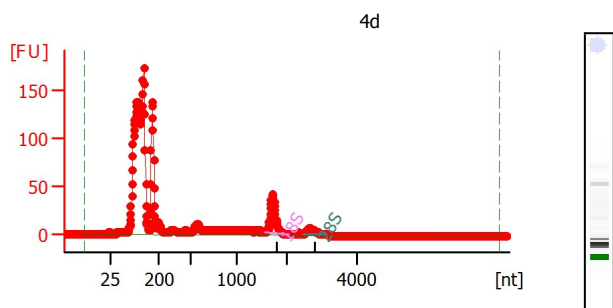
Fragment table for sample 3 : 3d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,658	2,131	89.7	9.0
28S	2,270	3,789	122.3	12.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad

Created: 5/30/2019 11:30:03 AM
 Modified: 5/30/2019 11:52:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 :

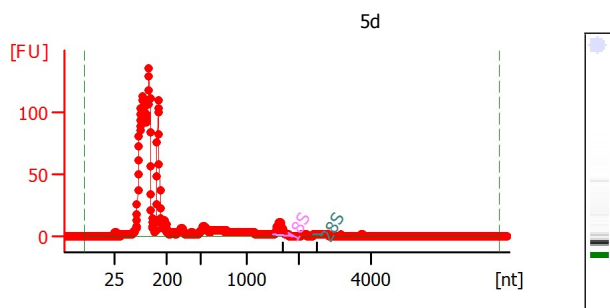
4d

RNA Area: 1,272.0
 RNA Concentration: 11,063 pg/μl
 rRNA Ratio [28s / 18s]: 0.2
 RNA Integrity Number (RIN): 3.5 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 3.50

Fragment table for sample 4 :

4d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	2,039	64.9	5.1
28S	2,441	3,136	16.1	1.3



Overall Results for sample 5 :

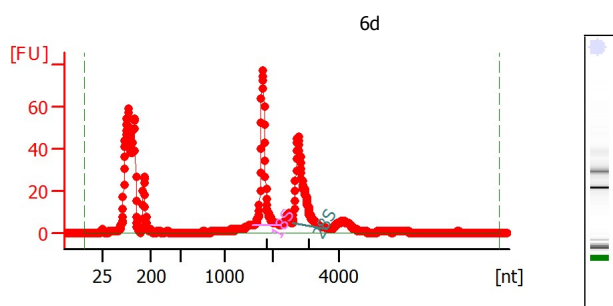
5d

RNA Area: 916.9
 RNA Concentration: 7,975 pg/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 2.6 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.60

Fragment table for sample 5 :

5d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,491	1,904	18.1	2.0
28S	2,402	2,674	0.8	0.1



Overall Results for sample 6 :

6d

RNA Area: 681.5
 RNA Concentration: 5,928 pg/μl
 rRNA Ratio [28s / 18s]: 0.9
 RNA Integrity Number (RIN): 8.9 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

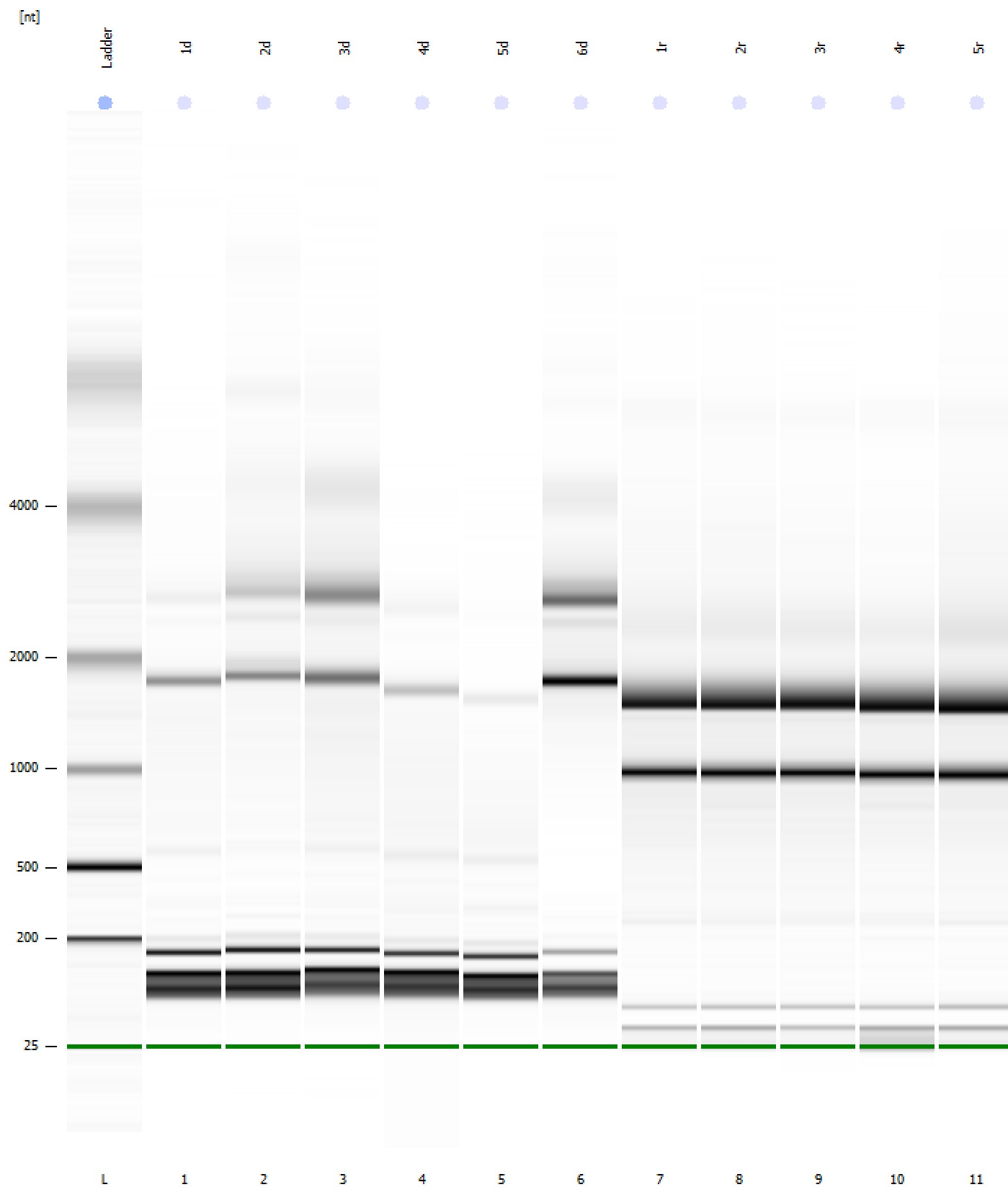
Fragment table for sample 6 :

6d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	2,218	105.2	15.4
28S	2,574	3,654	95.4	14.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad

Created: 5/30/2019 11:30:03 AM
Modified: 5/30/2019 11:52:30 AM

Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad

Created: 5/30/2019 11:30:03 AM
 Modified: 5/30/2019 11:52:30 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		5/30/2019 11:52:58 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2019-05-30\2100 expert_Eukaryote Total RNA Pico_DE13701162_2019-05-30_11-30-04.xad)		Instrument	Run		5/30/2019 11:30:09 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Product Number : G2938B		Instrument	Run		5/30/2019 11:30:09 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Name :		Instrument	Run		5/30/2019 11:30:09 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Vendor : Agilent Technologies		Instrument	Run		5/30/2019 11:30:09 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Serial# : DE13701162		Instrument	Run		5/30/2019 11:30:09 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Firmware : C.01.069		Instrument	Run		5/30/2019 11:30:09 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC
Cartridge : Electrode		Instrument	Run		5/30/2019 11:30:09 AM	(GMT --05:00) Central Standard Time	BD Accuri	BDAccuri-PC