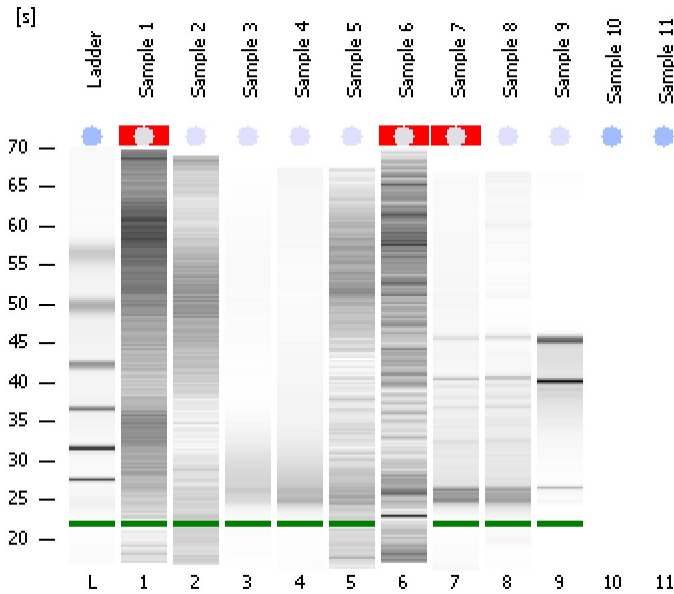


Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

Created: 7/25/2017 1:35:03 PM  
Modified: 7/25/2017 1:55:05 PM

### 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\Plant RNA Pico.xsy

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

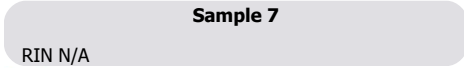
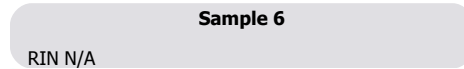
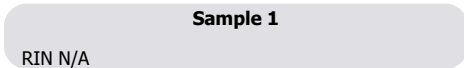
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#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN N/A	
Sample 2		✓	RIN: 1.90	
Sample 3		✓	RIN: 1.90	
Sample 4		✓	RIN: 2.30	
Sample 5		✓	RIN: 2.30	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN: 4.90	
Sample 9		✓	RIN:7	
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

**Chip Lot #**

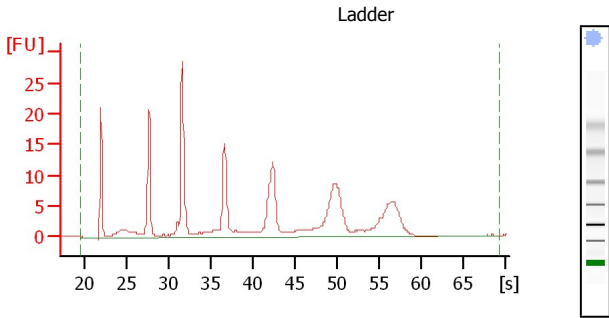
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

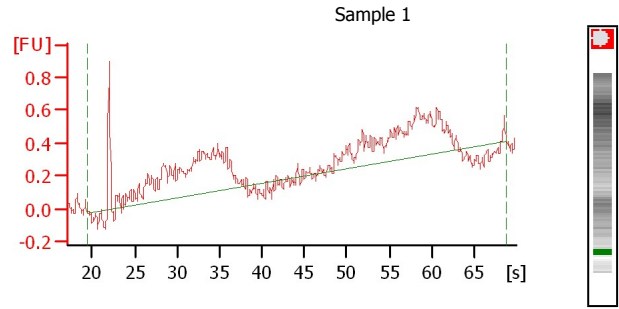
Created: 7/25/2017 1:35:03 PM  
 Modified: 7/25/2017 1:55:05 PM

**Electropherogram Summary**



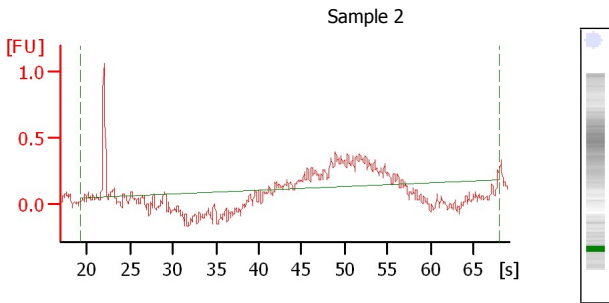
**Overall Results for Ladder**

RNA Area: 222.5  
 RNA Concentration: 1,000 pg/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples



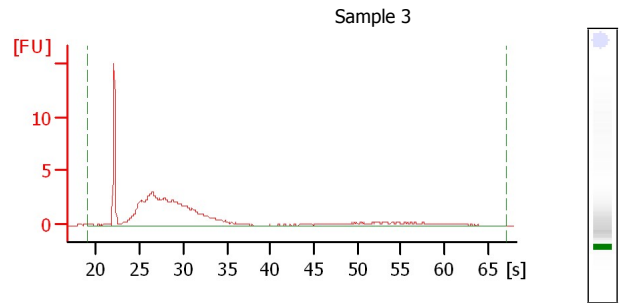
**Overall Results for sample 1 : Sample 1**

RNA Area: 11.0  
 RNA Concentration: 49 pg/μl  
 rRNA Ratio [25s / 18s]: 0.0  
 RNA Integrity Number (RIN): N/A (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN N/A



**Overall Results for sample 2 : Sample 2**

RNA Area: 3.4  
 RNA Concentration: 15 pg/μl  
 rRNA Ratio [25s / 18s]: 0.0  
 RNA Integrity Number (RIN): 1.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 1.90



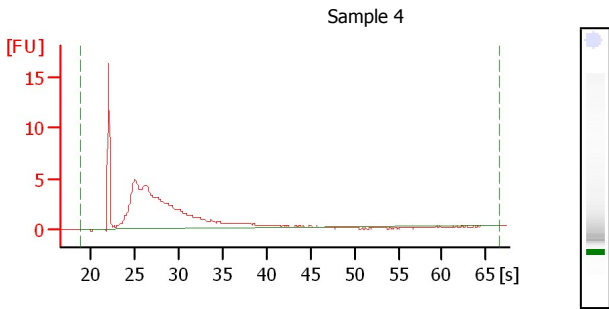
**Overall Results for sample 3 : Sample 3**

RNA Area: 75.3  
 RNA Concentration: 338 pg/μl  
 rRNA Ratio [25s / 18s]: 0.0  
 RNA Integrity Number (RIN): 1.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 1.90

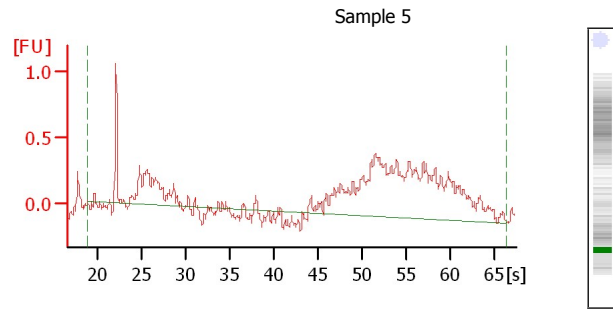
Assay Class: Plant RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

Created: 7/25/2017 1:35:03 PM  
 Modified: 7/25/2017 1:55:05 PM

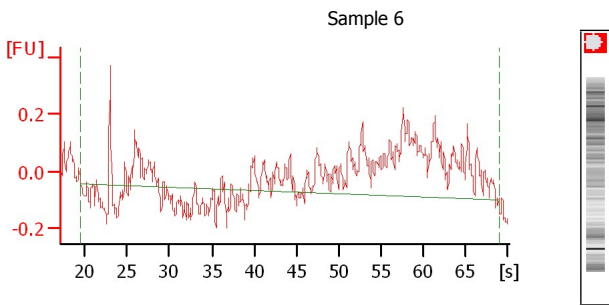
**Electropherogram Summary Continued ...**



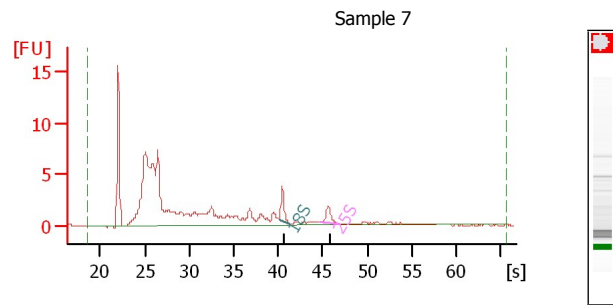
**Overall Results for sample 4 :**      Sample 4  
 RNA Area: 94.9  
 RNA Concentration: 427 pg/µl  
 rRNA Ratio [25s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.30



**Overall Results for sample 5 :**      Sample 5  
 RNA Area: 12.9  
 RNA Concentration: 58 pg/µl  
 rRNA Ratio [25s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 2.30



**Overall Results for sample 6 :**      Sample 6  
 RNA Concentration: 31 pg/µl  
 rRNA Ratio [25s / 18s]: 0.0  
 Result Flagging Color:    
 Result Flagging Label: RIN N/A



**Overall Results for sample 7 :**      Sample 7  
 RNA Area: 107.1  
 RNA Concentration: 481 pg/µl  
 rRNA Ratio [25s / 18s]: 0.8  
 RNA Integrity Number (RIN): N/A (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN N/A

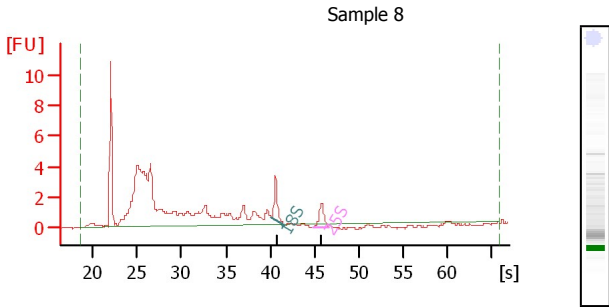
**Fragment table for sample 7 :**      Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,598	1,806	3.0	2.8
25S	2,628	3,222	2.3	2.2

Assay Class: Plant RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

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**Electropherogram Summary Continued ...**

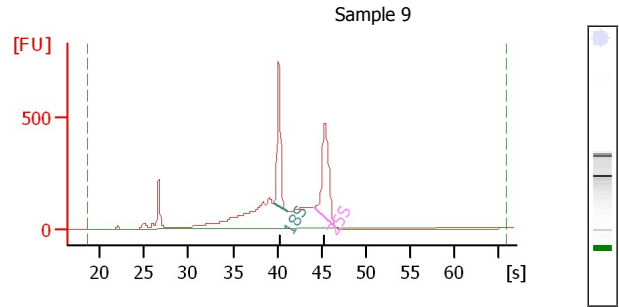


**Overall Results for sample 8 :** Sample 8

RNA Area: 76.9  
 RNA Concentration: 346 pg/µl  
 rRNA Ratio [25s / 18s]: 0.7  
 RNA Integrity Number (RIN): 4.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 4.90

**Fragment table for sample 8 :** Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	1,855	2.7	3.6
25S	2,668	3,146	2.0	2.6



**Overall Results for sample 9 :** Sample 9

RNA Area: 4,738.9  
 RNA Concentration: 21,296 pg/µl  
 rRNA Ratio [25s / 18s]: 1.1  
 RNA Integrity Number (RIN): 7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:7

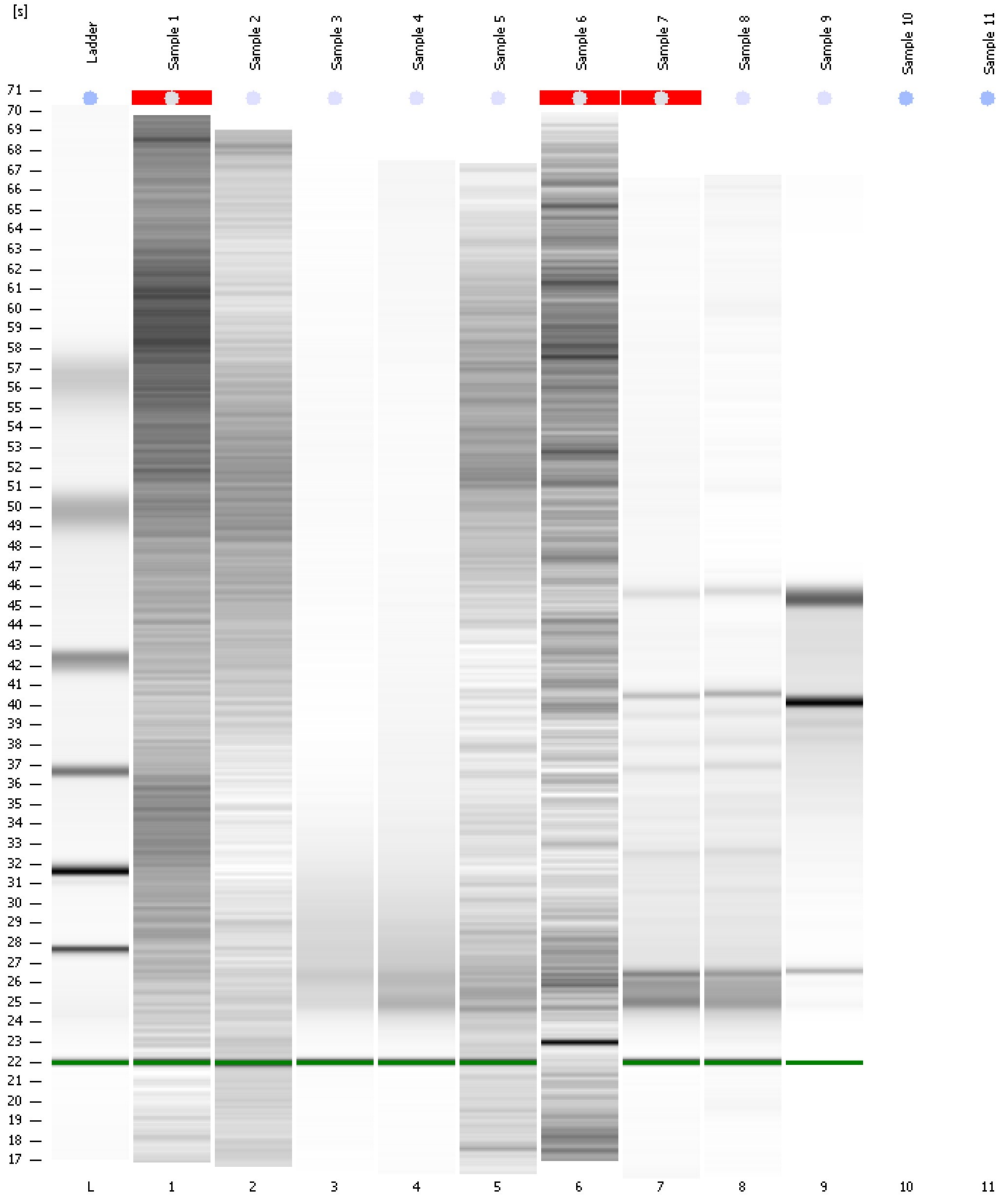
**Fragment table for sample 9 :** Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,497	1,797	732.4	15.5
25S	2,448	3,133	829.8	17.5

Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

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**Gel Image**

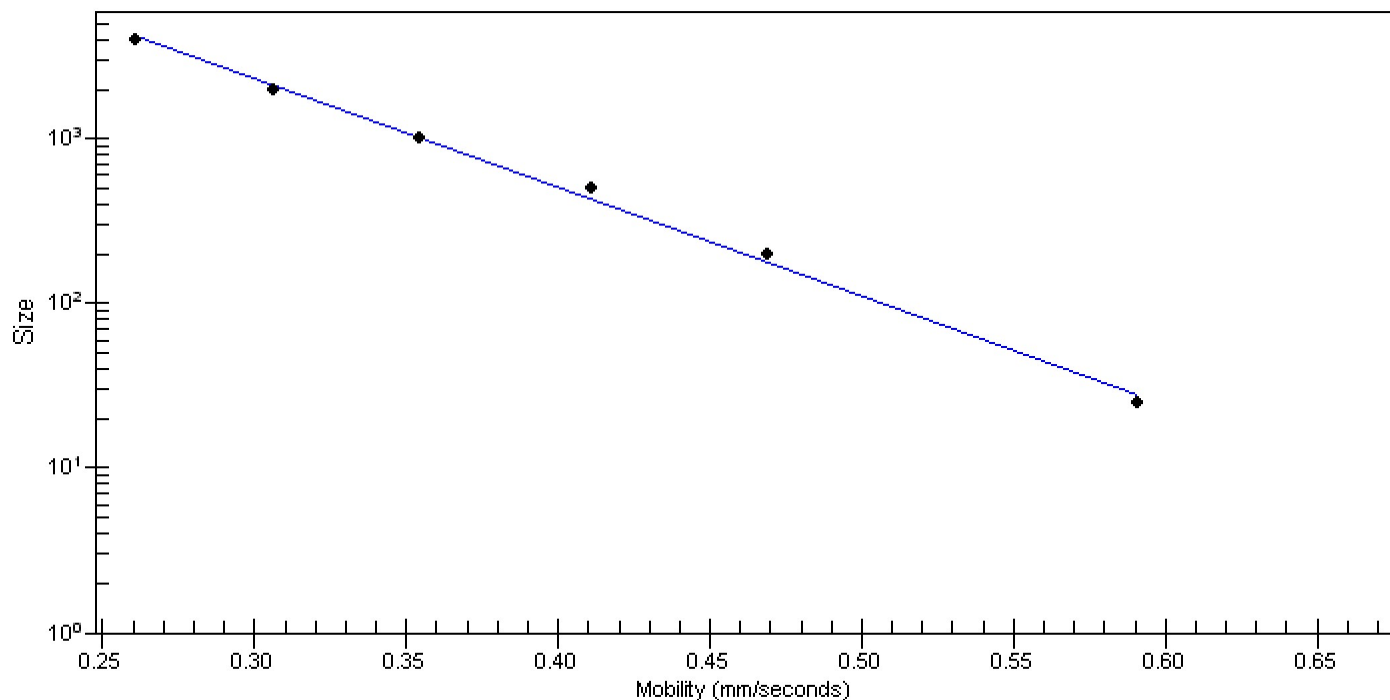


Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

Created: 7/25/2017 1:35:03 PM  
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**Curves**

**Standard Curve**



Assay Class: Plant RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-25\2017-07-25\_002.xad

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**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.