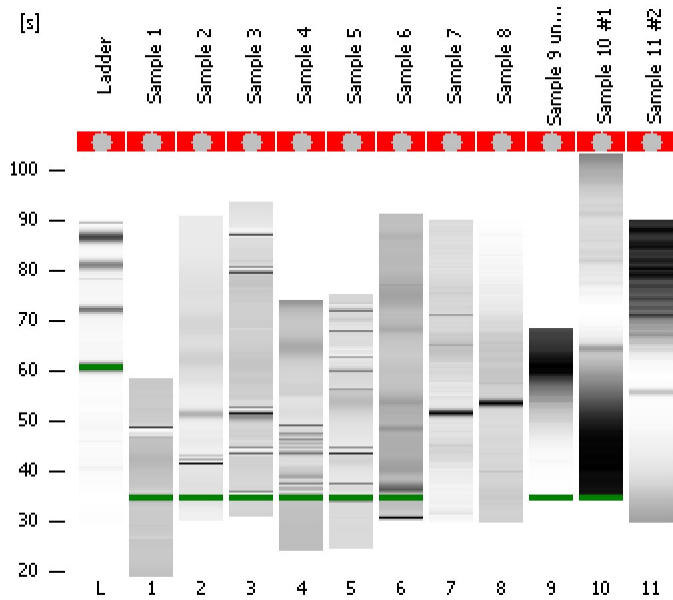


Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 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\Small RNA Series II.xsy

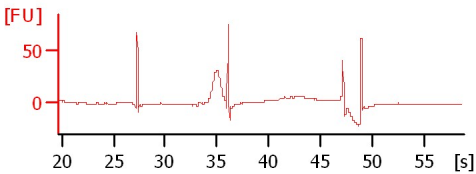
Assay Class: Small RNA  
Version: 1.2  
Assay Comments: Small RNA Analysis 6 - 150 nucleotides

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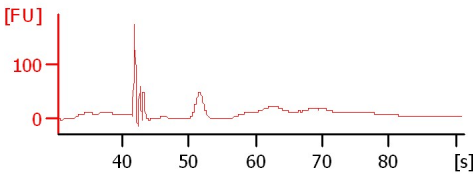
Chip Information:

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

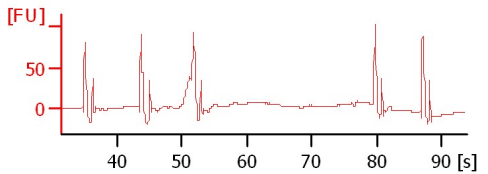
**Sample 1**  
Number of Peaks: 1



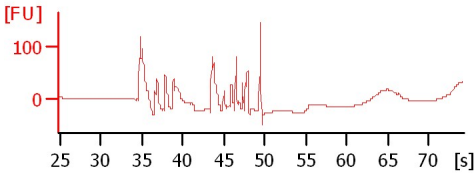
**Sample 2**  
Number of Peaks: 16



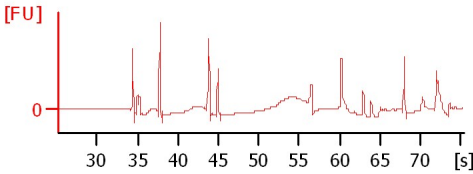
**Sample 3**  
Number of Peaks: 12



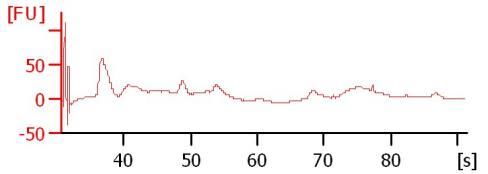
**Sample 4**  
Number of Peaks: 4



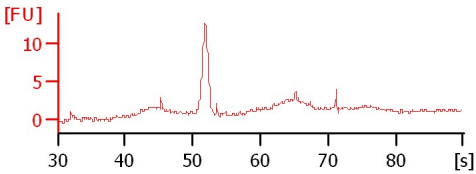
**Sample 5**  
Number of Peaks: 10



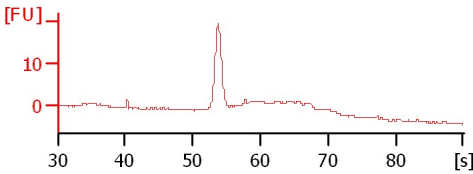
**Sample 6**  
Number of Peaks: 18



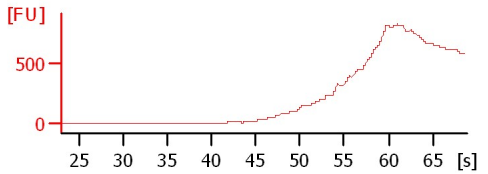
**Sample 7**  
Number of Peaks: 3



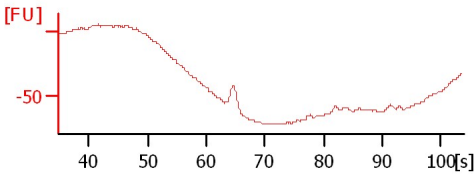
**Sample 8**  
Number of Peaks: 1



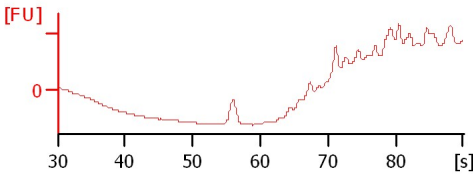
**Sample 9 undiluted #4**  
Number of Peaks: 22



**Sample 10 #1**  
Number of Peaks: 10



**Sample 11 #2**  
Number of Peaks: 12



Assay Class: Small RNA  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
 Modified: 11/19/2012 11:41:03 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	Number of Peaks: 1	
Sample 2		✓	Number of Peaks: 16	
Sample 3		✓	Number of Peaks: 12	
Sample 4		✓	Number of Peaks: 4	
Sample 5		✓	Number of Peaks: 10	
Sample 6		✓	Number of Peaks: 18	
Sample 7		✓	Number of Peaks: 3	
Sample 8		✓	Number of Peaks: 1	
Sample 9 undiluted #4		✓	Number of Peaks: 22	
Sample 10 #1		✓	Number of Peaks: 10	
Sample 11 #2		✓	Number of Peaks: 12	
Ladder		✓	Number of Peaks: 3	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 30  
Maximum Visible Range [s] : 90  
Start Analysis Time Range [s] : 31  
End Analysis Time Range [s] : 89  
Ladder Concentration [pg/μl] : 2500  
Lower Marker Concentration [pg/μl] : 500  
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] : 30  
Integration End Time [s] : 89  
Slope Threshold : 0.6  
Height Threshold [FU] : 3  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 60

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

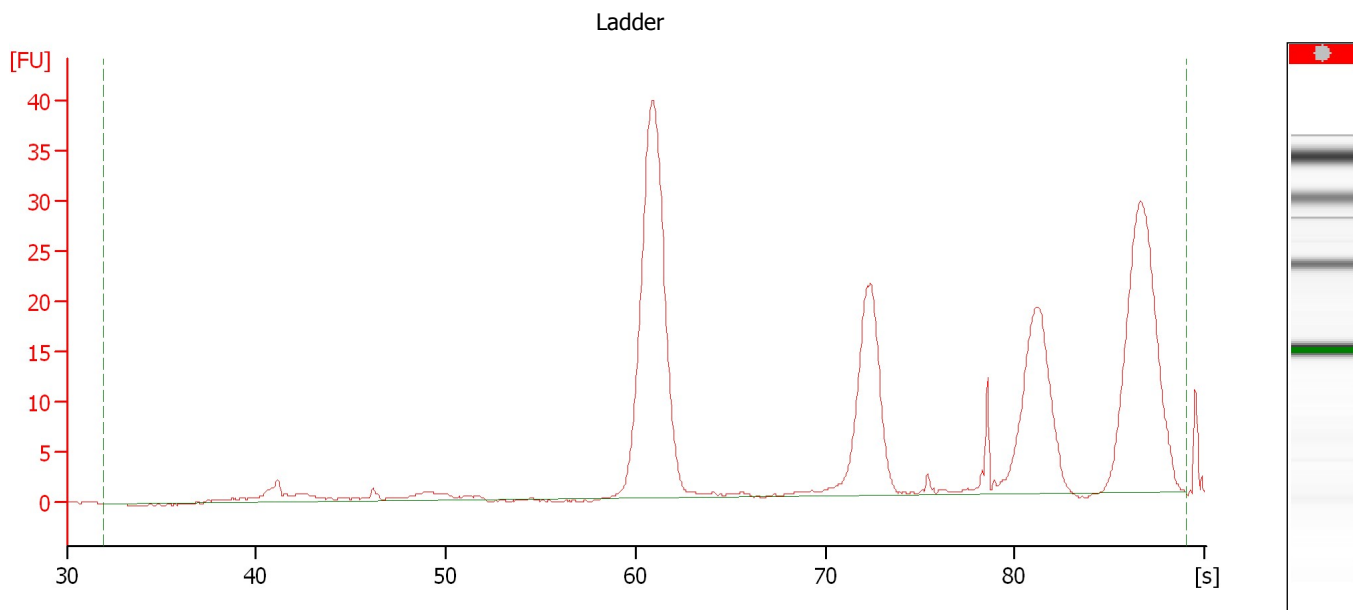
**Ladder**

Ladder Peak	Size
1	4
2	20
3	40
4	60
5	80
6	100
7	150

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Result Flagging Color:

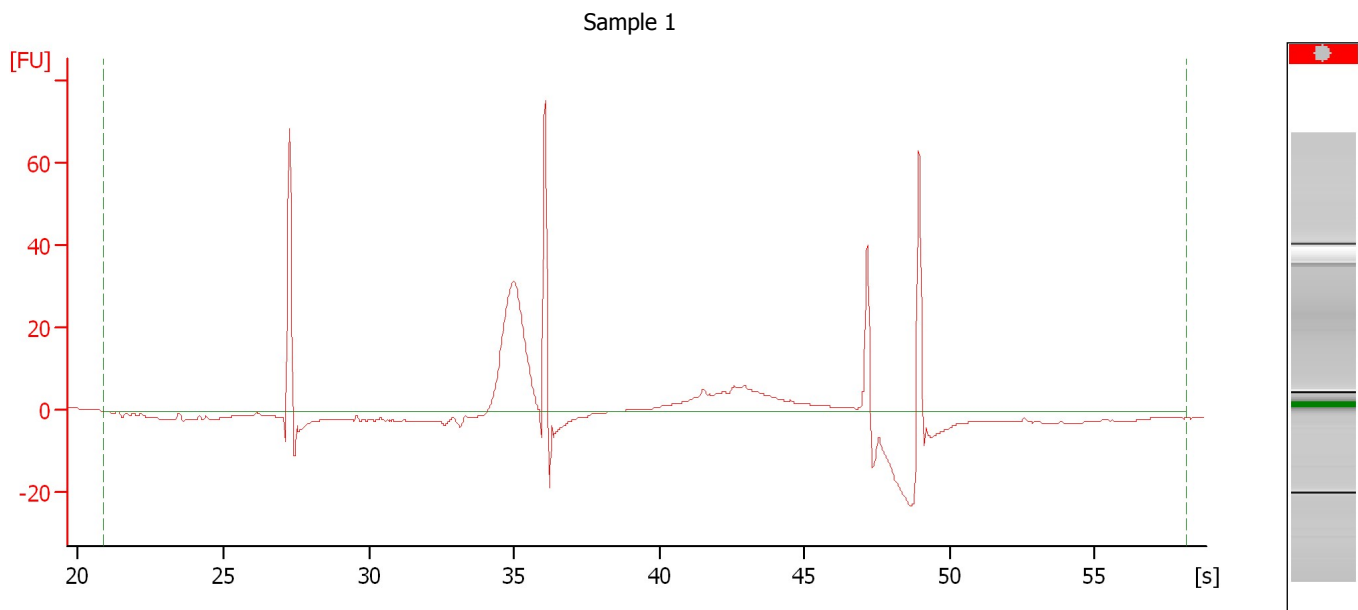
Result Flagging Label:

Number of Peaks: 3

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**



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

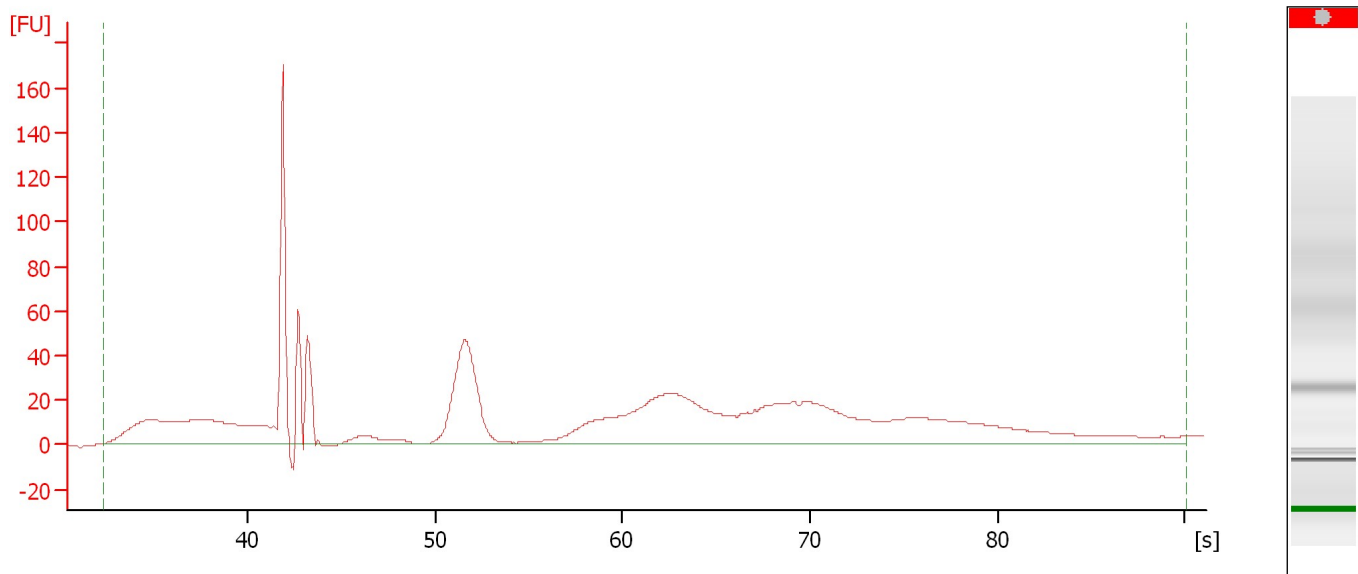
Result Flagging Color:  Result Flagging Label: Number of Peaks: 1

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**

Sample 2



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

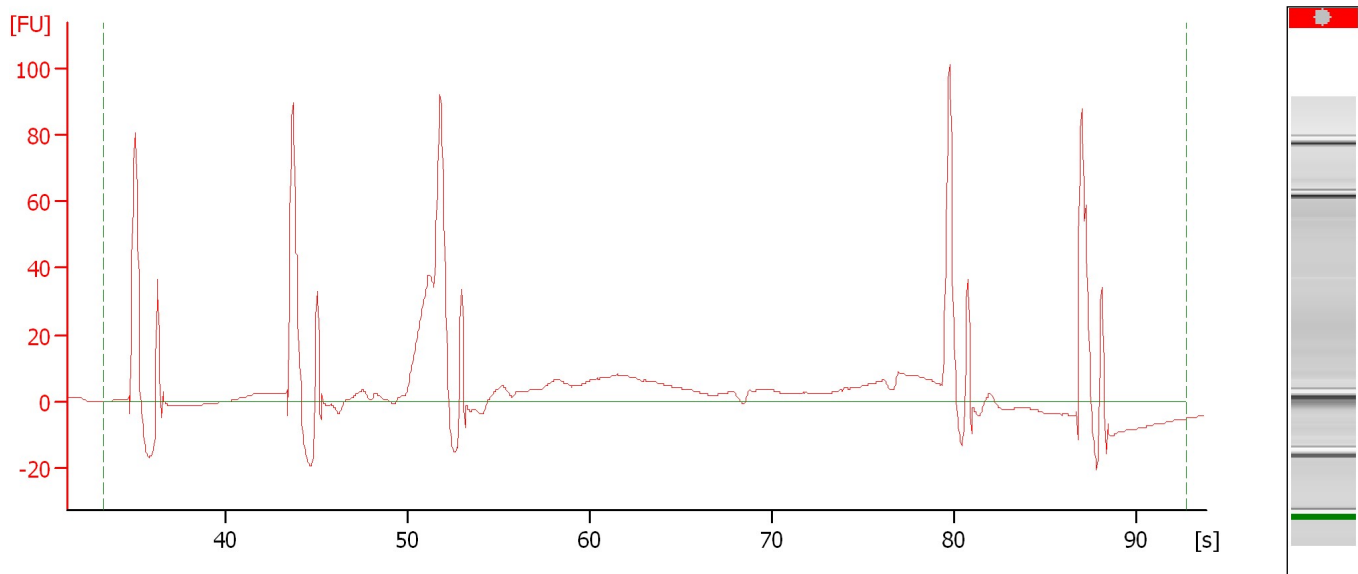
Result Flagging Color:  Result Flagging Label: Number of Peaks: 16

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**

Sample 3



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

Result Flagging Color:



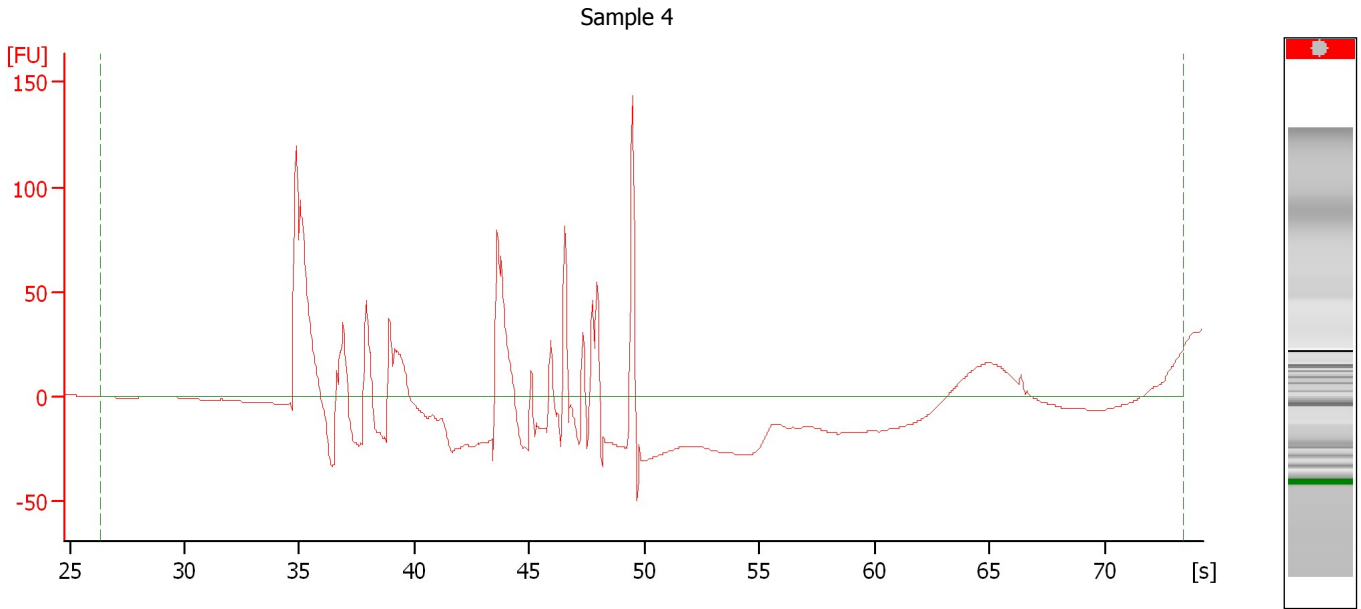
Result Flagging Label:

Number of Peaks: 12

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Sample 4**

Result Flagging Color:  Result Flagging Label: Number of Peaks: 4

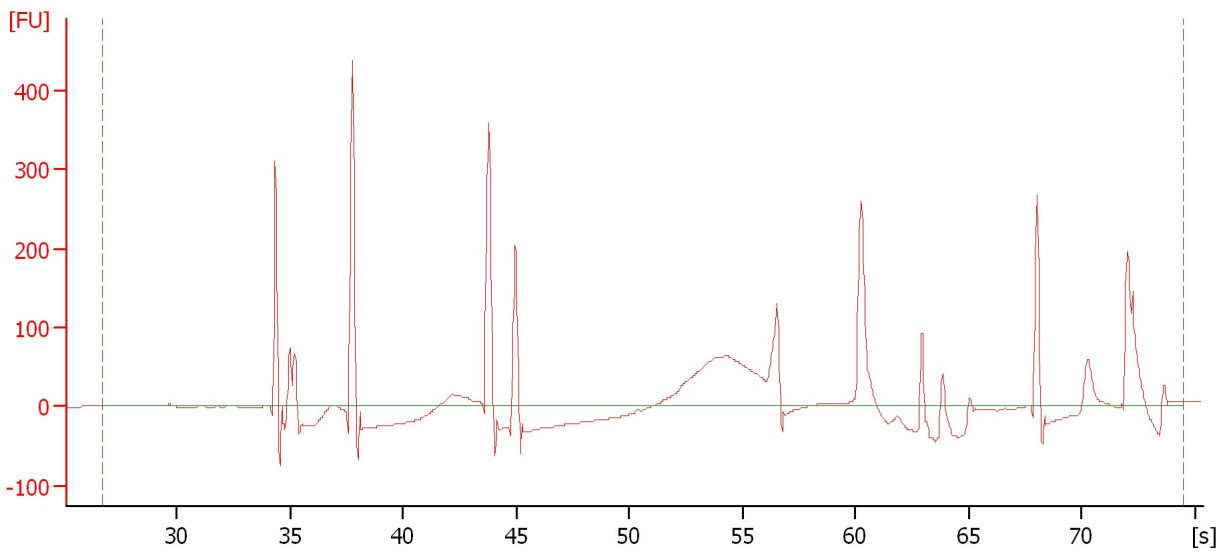


Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**

Sample 5



**Overall Results for sample 5 : Sample 5**

Result Flagging Color:

Result Flagging Label:

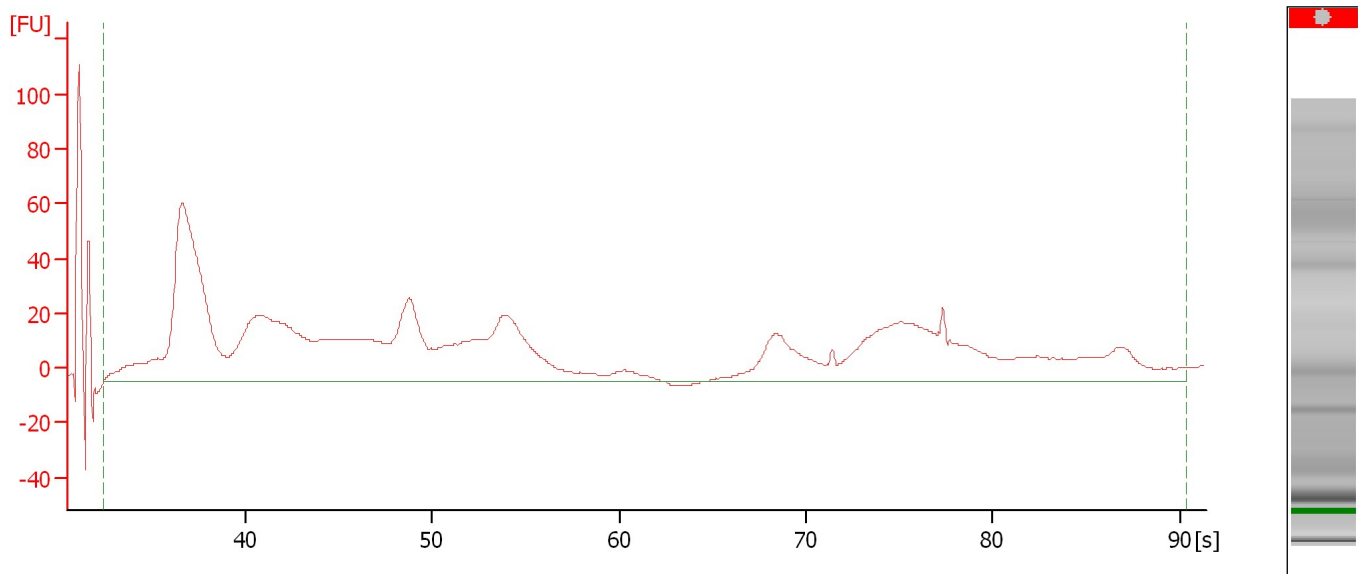
Number of Peaks: 10

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**

Sample 6



**Overall Results for sample 6 : Sample 6**

Result Flagging Color:

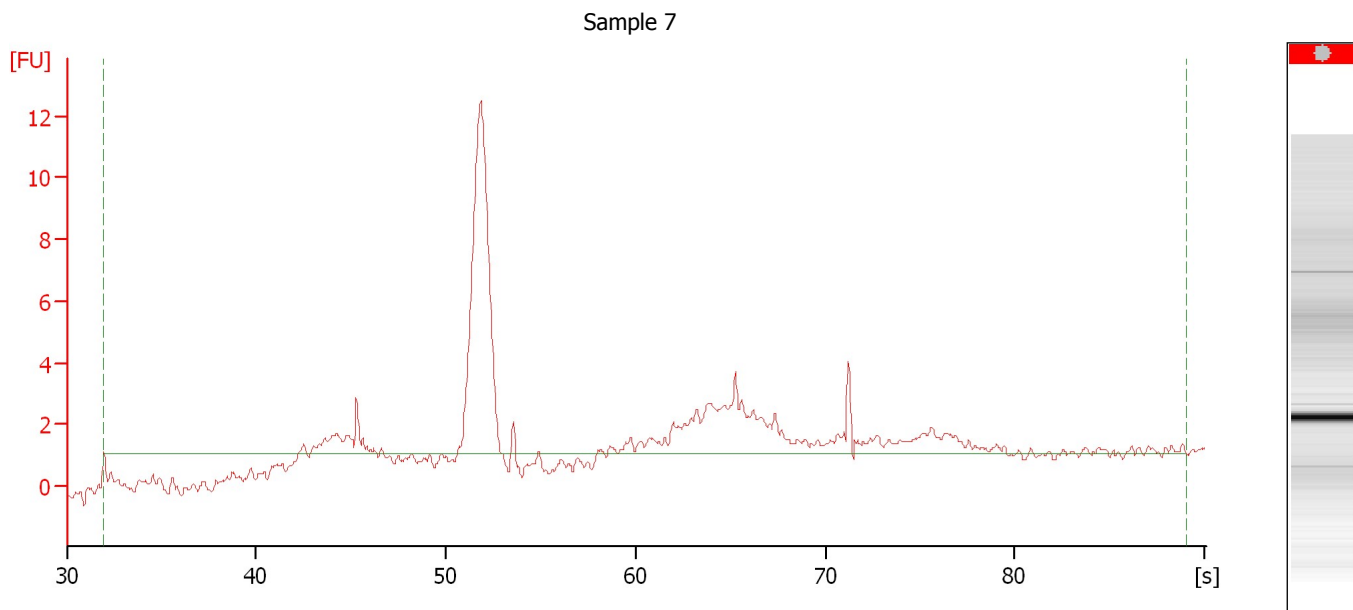
Result Flagging Label:

Number of Peaks: 18

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Sample 7**

Result Flagging Color:

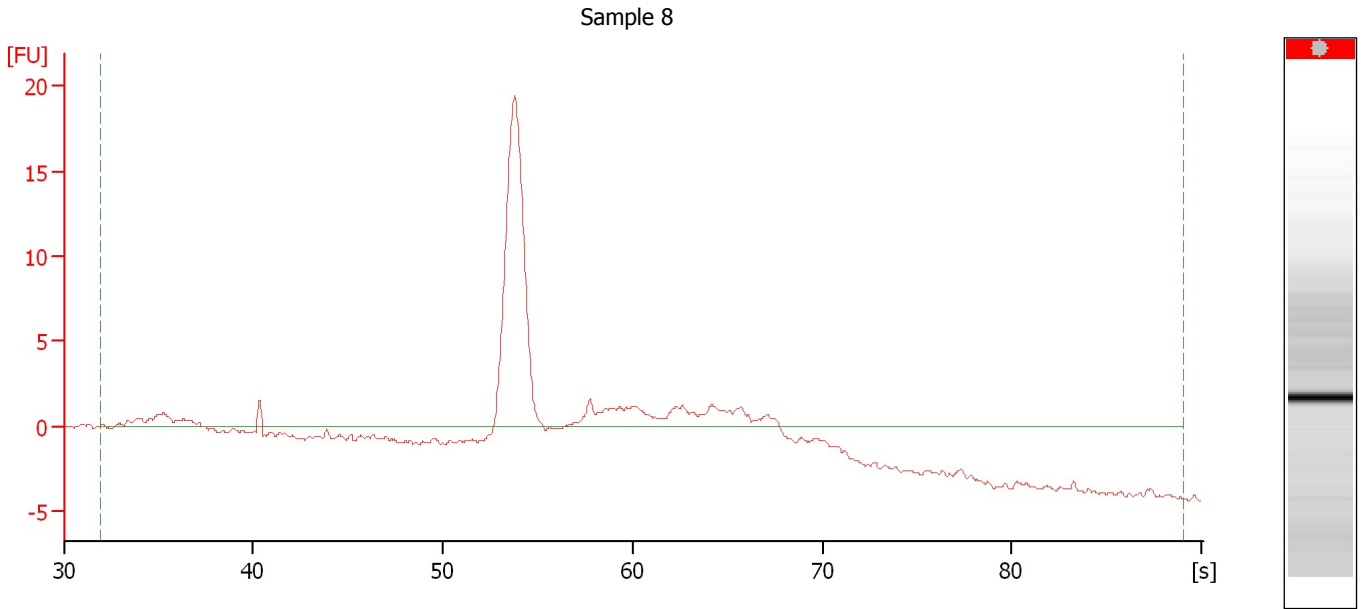
Result Flagging Label:

Number of Peaks: 3

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**



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

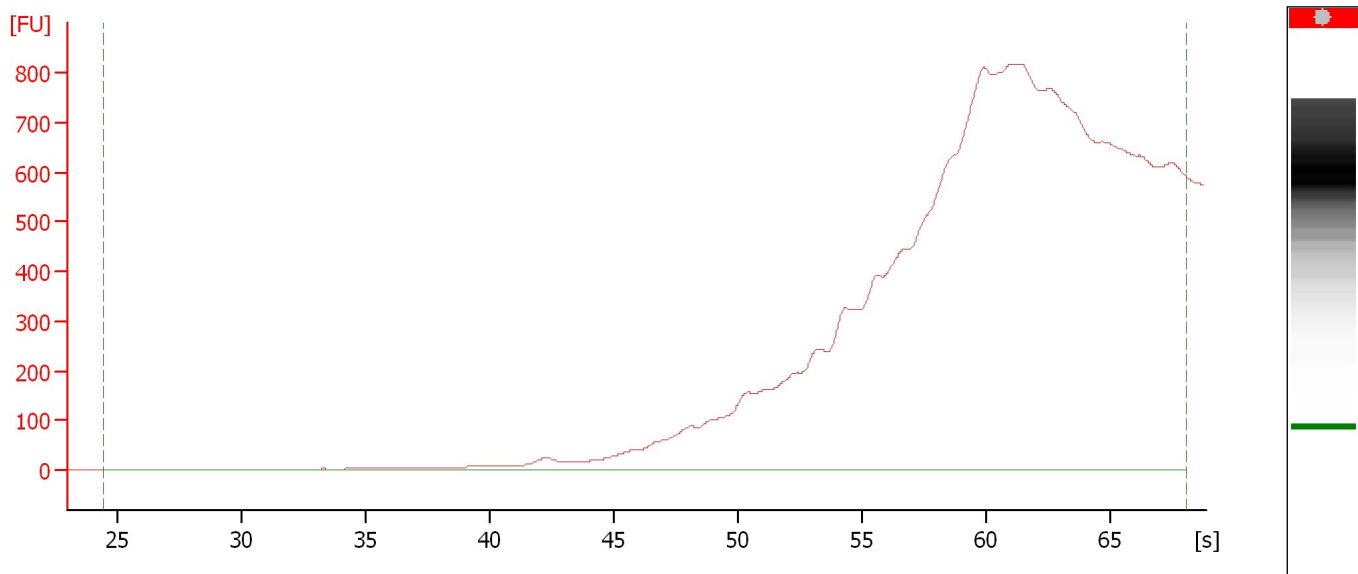
Result Flagging Color:  Result Flagging Label: Number of Peaks: 1

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**

Sample 9 undiluted #4



**Overall Results for sample 9 : Sample 9 undiluted #4**

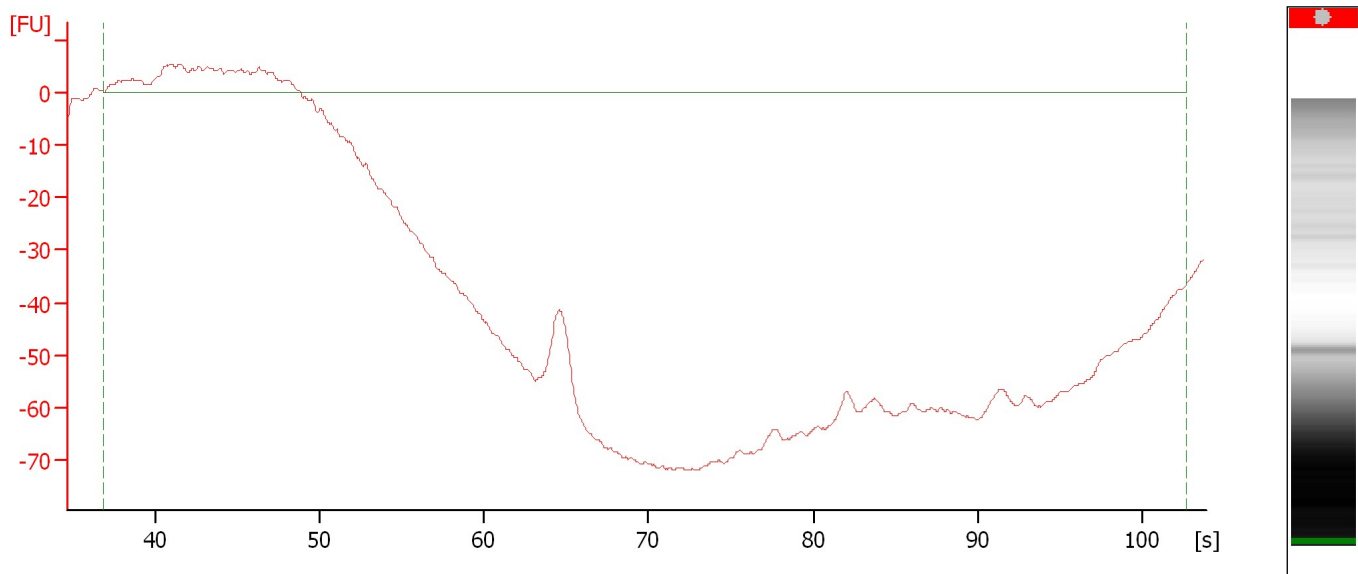
Result Flagging Color:  Result Flagging Label: Number of Peaks: 22

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**

Sample 10 #1



**Overall Results for sample 10 : Sample 10 #1**

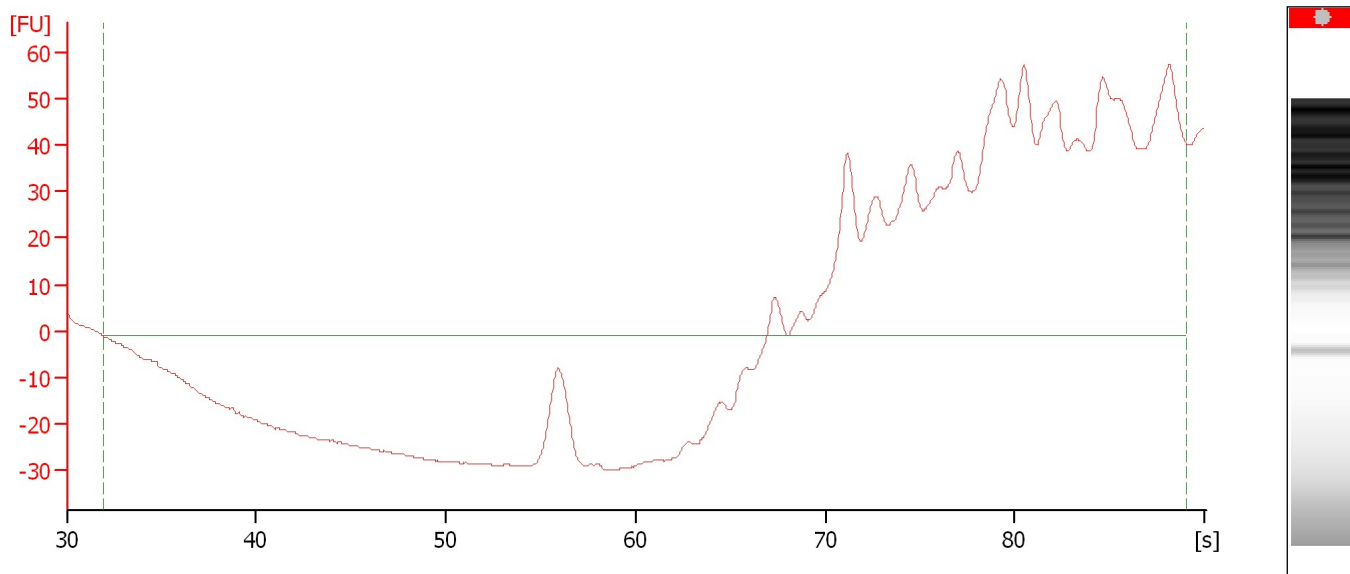
Result Flagging Color:  Result Flagging Label: Number of Peaks: 10

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Electropherogram Summary Continued ...**

Sample 11 #2



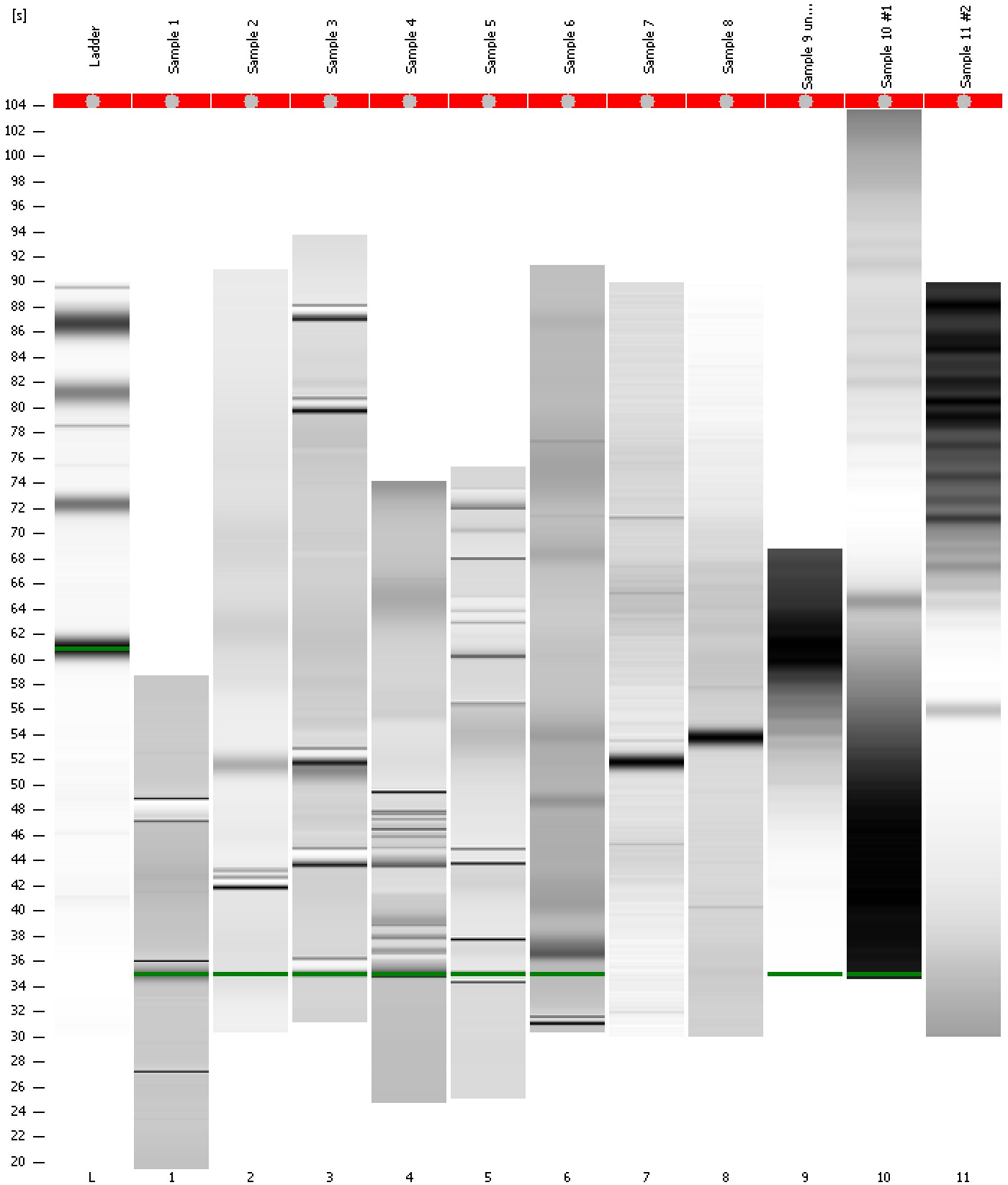
**Overall Results for sample 11 : Sample 11 #2**

Result Flagging Color:  Result Flagging Label: Number of Peaks: 12

Assay Class: Small RNA  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
Modified: 11/19/2012 11:41:03 AM

**Gel Image**





Assay Class: Small RNA  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-11-19\2012-11-19\_002.xad

Created: 11/19/2012 11:09:02 AM  
 Modified: 11/19/2012 11:41:03 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		11/19/2012 11:41:00 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-11-19\2012-11-19_002.xad)		Instrument	Run		11/19/2012 11:09:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/19/2012 11:09:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/19/2012 11:09:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/19/2012 11:09:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/19/2012 11:09:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/19/2012 11:09:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/19/2012 11:09:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1