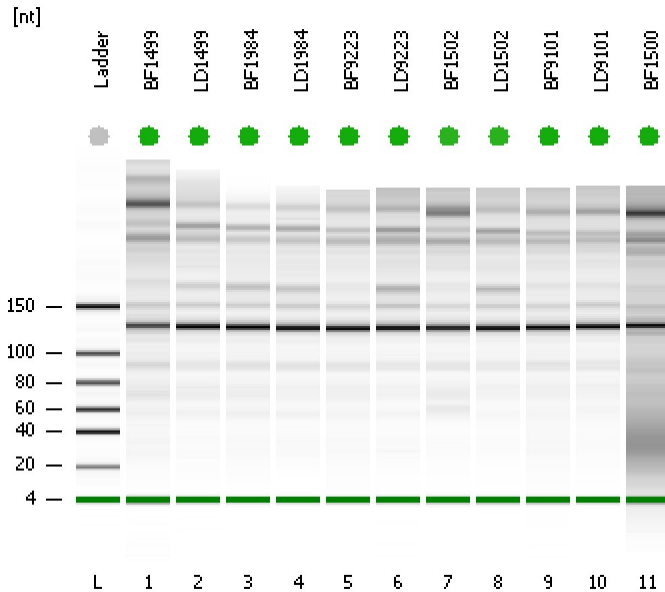


Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
 Serial#: DE13701086      Type: G2938B

Assay Information:

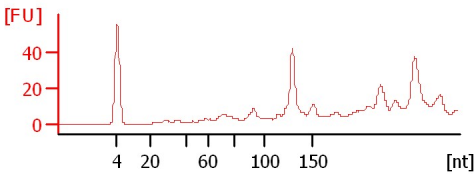
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Small RNA Series II.xsy  
 Assay Class: Small RNA  
 Version: 1.2  
 Assay Comments: Small RNA Analysis 6 - 150 nucleotides

© Copyright 2007 - 2009 Agilent Technologies, Inc.

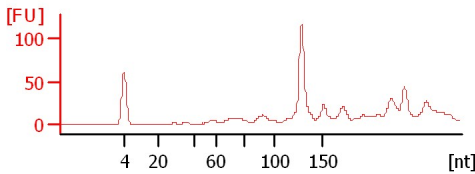
Chip Information:

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

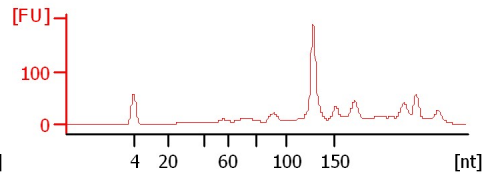
**BF1499**  
 19 % miRNA; Concentration: 99.30 pg/µl



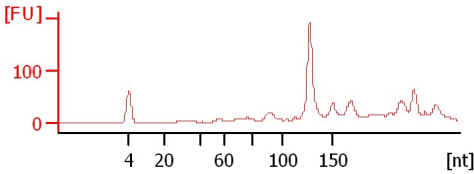
**LD1499**  
 14 % miRNA; Concentration: 103.50 pg/µl



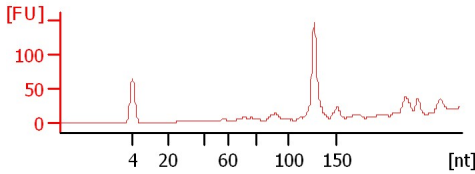
**BF1984**  
 17 % miRNA; Concentration: 238.90 pg/µl



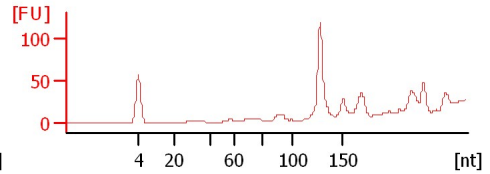
**LD1984**  
 13 % miRNA; Concentration: 163.80 pg/µl



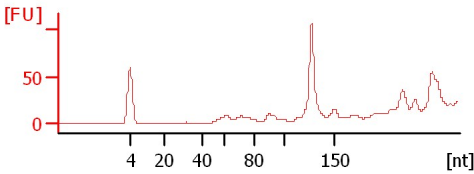
**BF9223**  
 18 % miRNA; Concentration: 174.50 pg/µl



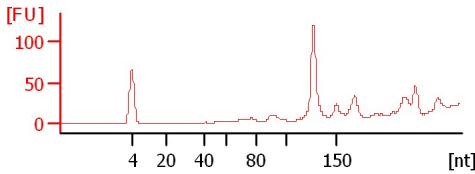
**LD9223**  
 12 % miRNA; Concentration: 88.90 pg/µl



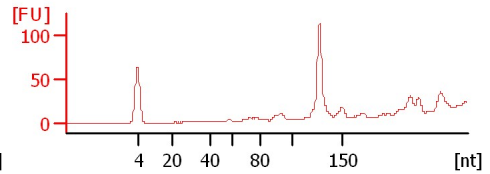
**BF1502**  
 11 % miRNA; Concentration: 78.60 pg/µl



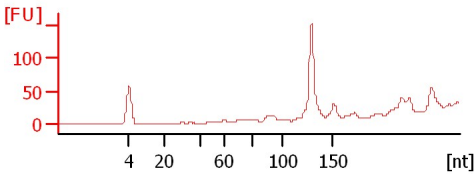
**LD1502**  
 11 % miRNA; Concentration: 75.60 pg/µl



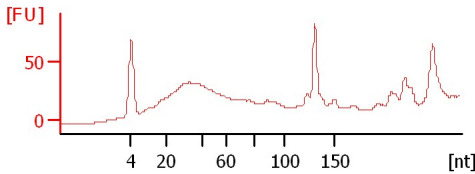
**BF9101**  
 17 % miRNA; Concentration: 124.80 pg/µl



**LD9101**  
 13 % miRNA; Concentration: 132.80 pg/µl















**BF1500**  
 56 % miRNA; Concentration: 1264.70 pg/µl



Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
BF1499		✓	19 % miRNA; Concentration: 99.30 pg/μl	
LD1499		✓	14 % miRNA; Concentration: 103.50 pg/μl	
BF1984		✓	17 % miRNA; Concentration: 238.90 pg/μl	
LD1984		✓	13 % miRNA; Concentration: 163.80 pg/μl	
BF9223		✓	18 % miRNA; Concentration: 174.50 pg/μl	
LD9223		✓	12 % miRNA; Concentration: 88.90 pg/μl	
BF1502		✓	11 % miRNA; Concentration: 78.60 pg/μl	
LD1502		✓	11 % miRNA; Concentration: 75.60 pg/μl	
BF9101		✓	17 % miRNA; Concentration: 124.80 pg/μl	
LD9101		✓	13 % miRNA; Concentration: 132.80 pg/μl	
BF1500		✓	56 % miRNA; Concentration: 1264.70 pg/μl	
Ladder		✓	Number of Peaks: 6	

Chip Lot #

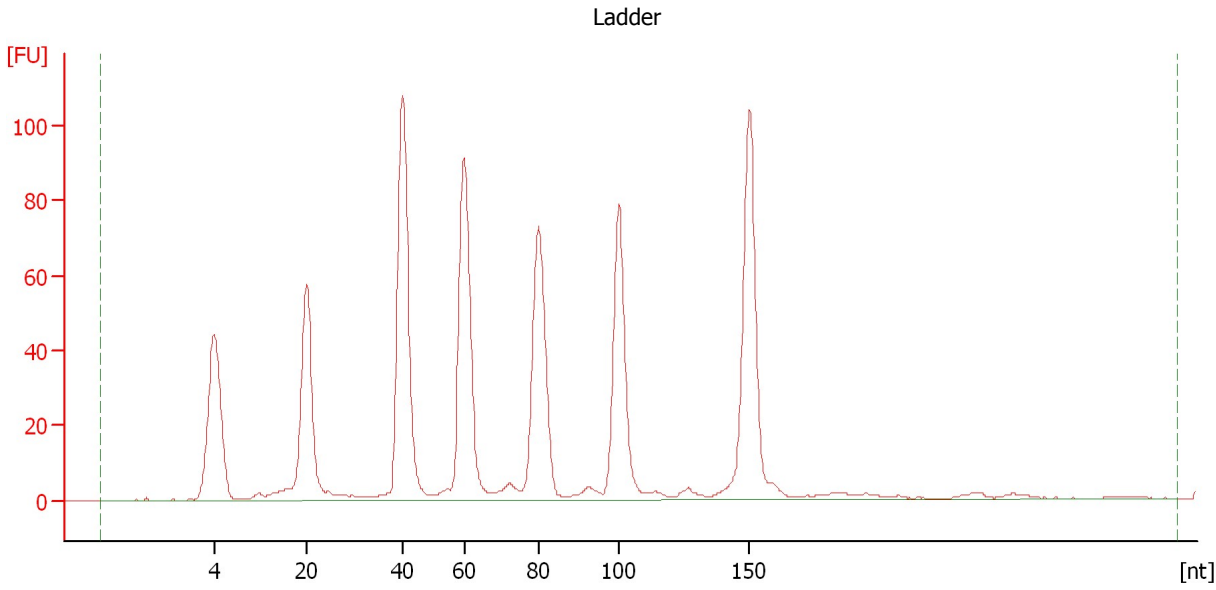
Reagent Kit Lot #

Chip Comments :

Assay Class: Small RNA  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Result Flagging Color:

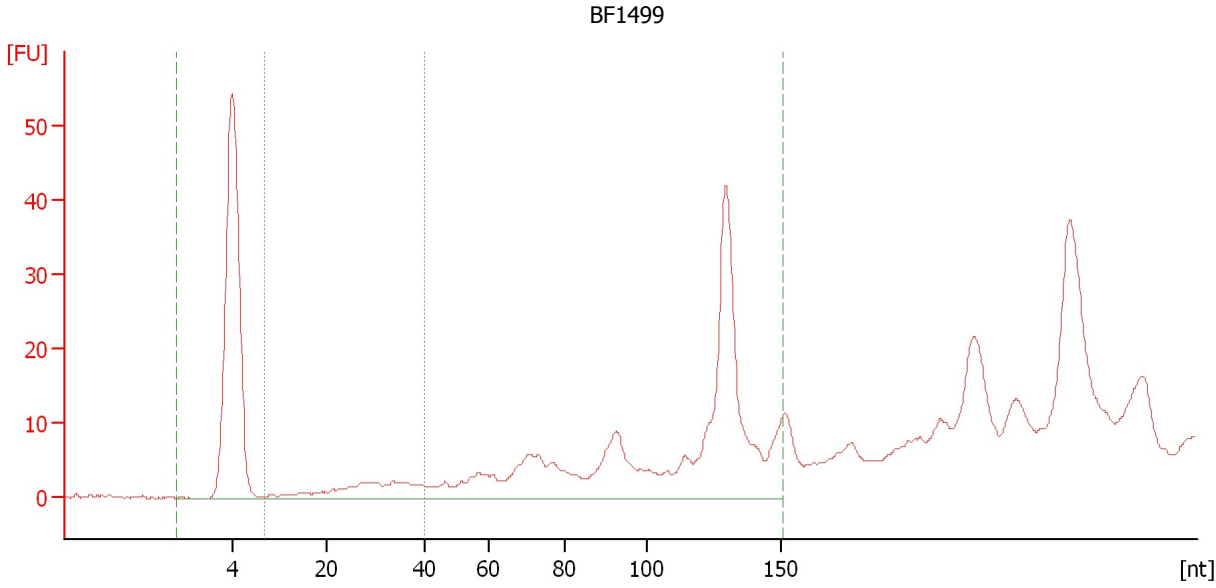
Result Flagging Label:

Number of Peaks: 6

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : BF1499**

Small RNA Concentration [pg/μl]:	514.1	Result Flagging Color:	<span style="background-color: green; color: black;"> </span>
miRNA Concentration [pg/μl]:	99.3	Result Flagging Label:	19 % miRNA; Concentration: 99.30 pg/μl
miRNA / Small RNA Ratio [%]:	19		

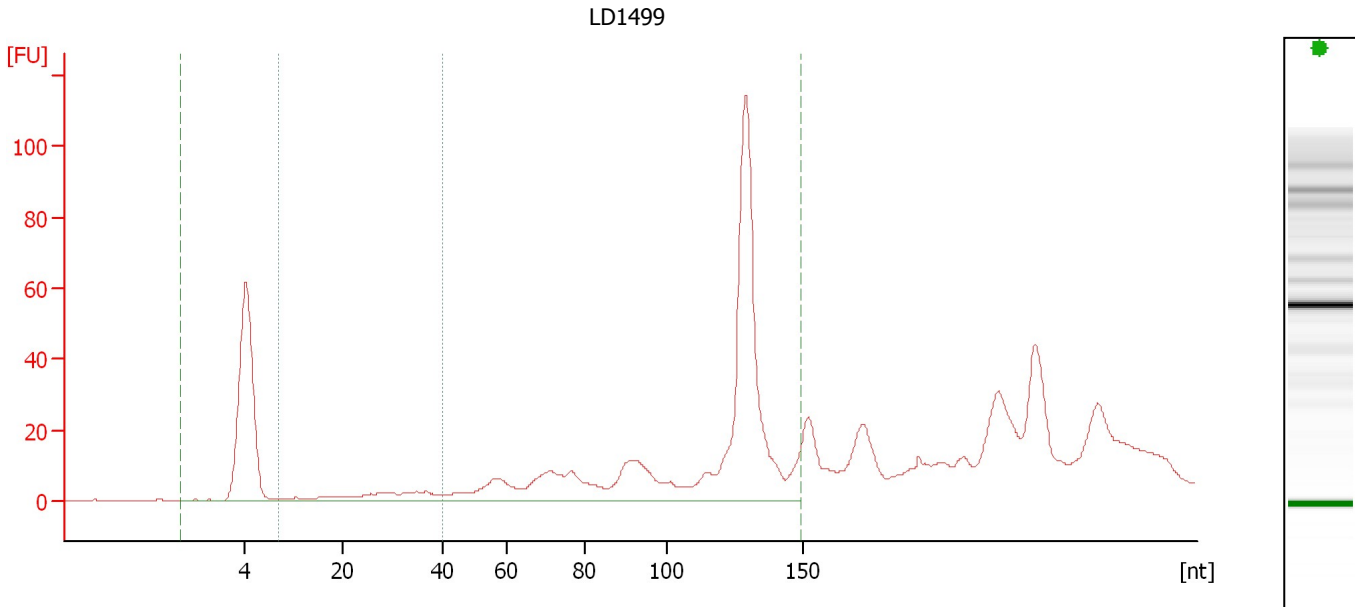
**Region table for sample 1 : BF1499**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	151	76	69.4	514.1	100	<span style="background-color: purple; color: black;"> </span>
miRNA	10	40	28	26.8	99.3	19	<span style="background-color: green; color: black;"> </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : LD1499**

Small RNA Concentration [pg/μl]:	753.3	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	103.5	Result Flagging Label:	14 % miRNA; Concentration: 103.50 pg/μl
miRNA / Small RNA Ratio [%]:	14		

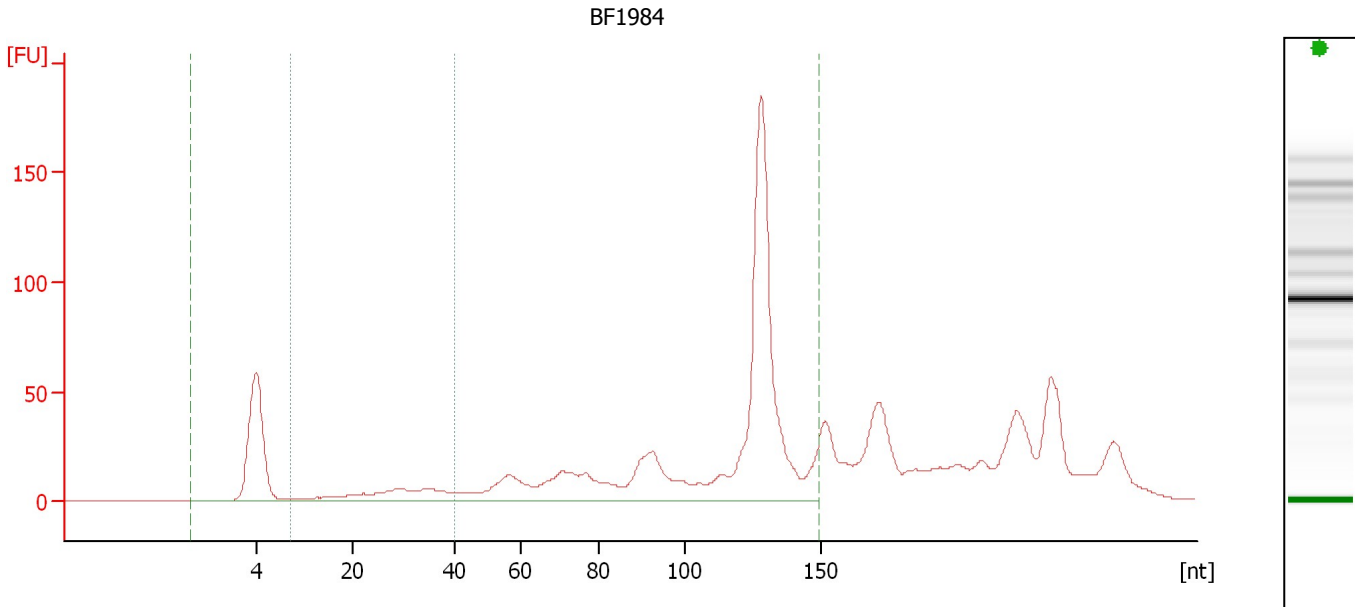
**Region table for sample 2 : LD1499**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	88	56.8	753.3	100	<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	28	28.9	103.5	14	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : BF1984**

Small RNA Concentration [pg/μl]:	1,387.4	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	238.9	Result Flagging Label:	17 % miRNA; Concentration: 238.90 pg/μl
miRNA / Small RNA Ratio [%]:	17		

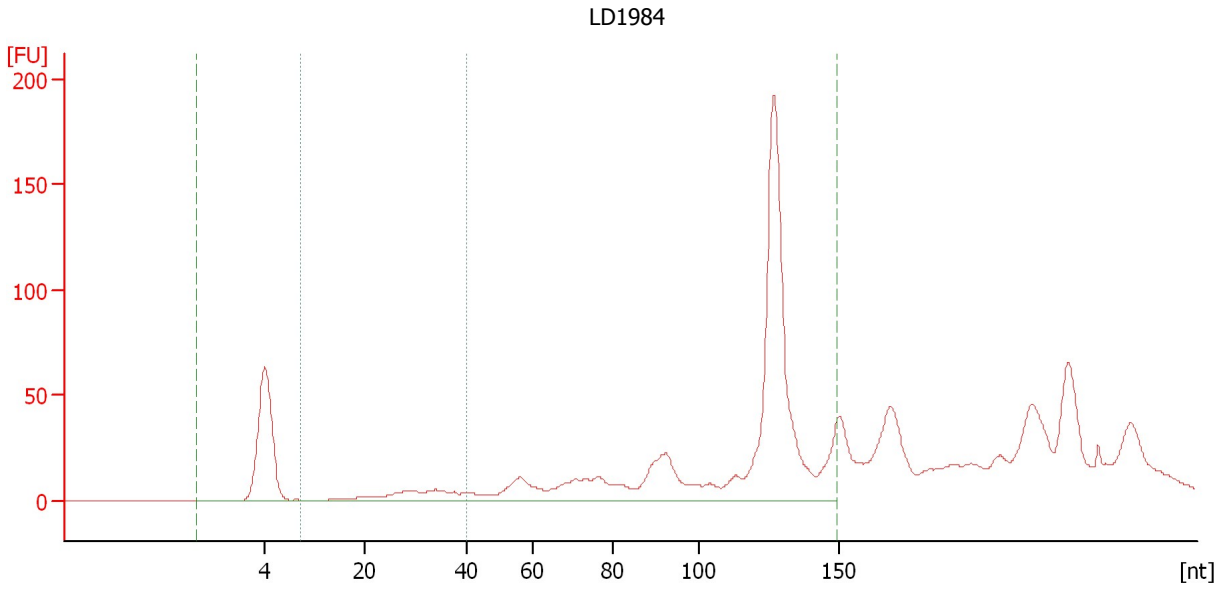
**Region table for sample 3 : BF1984**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	93	48.6	1,387.4	100	<span style="background-color: #800000; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	28	28.4	238.9	17	<span style="background-color: #008000; width: 15px; height: 10px; display: inline-block;"></span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : LD1984**

Small RNA Concentration [pg/μl]:	1,225.1	Result Flagging Color:	<span style="background-color: green; color: black;">          </span>
miRNA Concentration [pg/μl]:	163.8	Result Flagging Label:	13 % miRNA; Concentration: 163.80 pg/μl
miRNA / Small RNA Ratio [%]:	13		

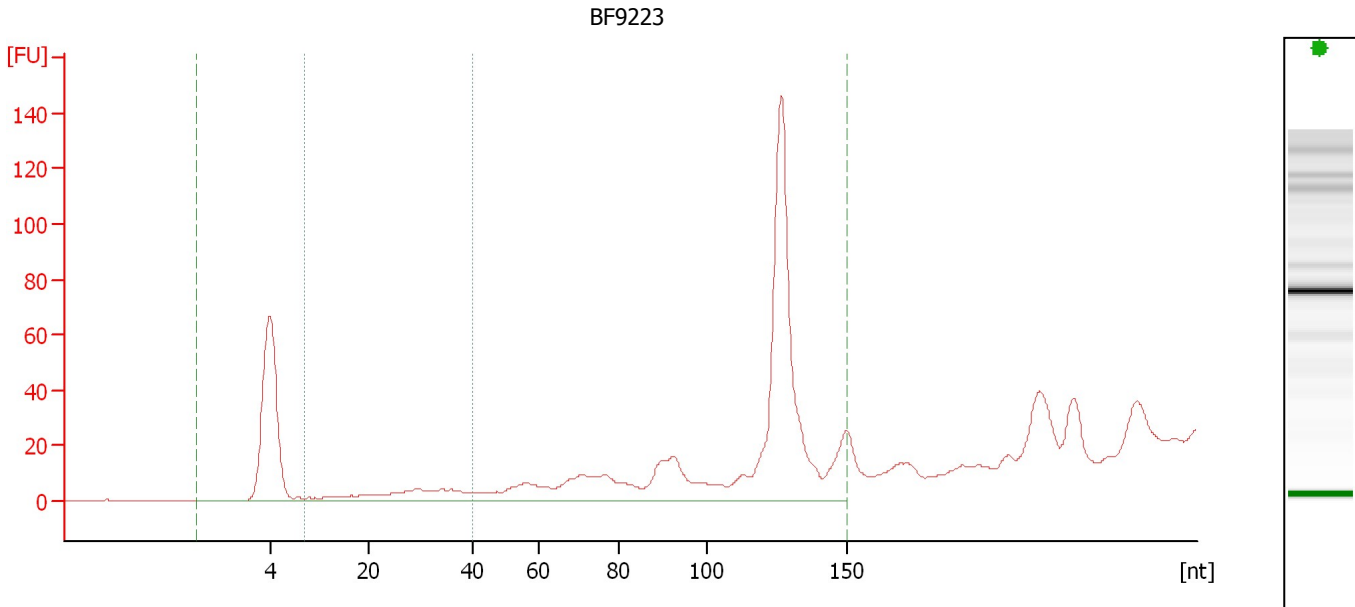
**Region table for sample 4 : LD1984**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	150	96	47.7	1,225.1	100	<span style="background-color: #800040; color: black;">          </span>
miRNA	10	40	29	23.8	163.8	13	<span style="background-color: #008080; color: black;">          </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : BF9223**

Small RNA Concentration [pg/μl]:	966.1	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	174.5	Result Flagging Label:	18 % miRNA; Concentration: 174.50 pg/μl
miRNA / Small RNA Ratio [%]:	18		

**Region table for sample 5 : BF9223**

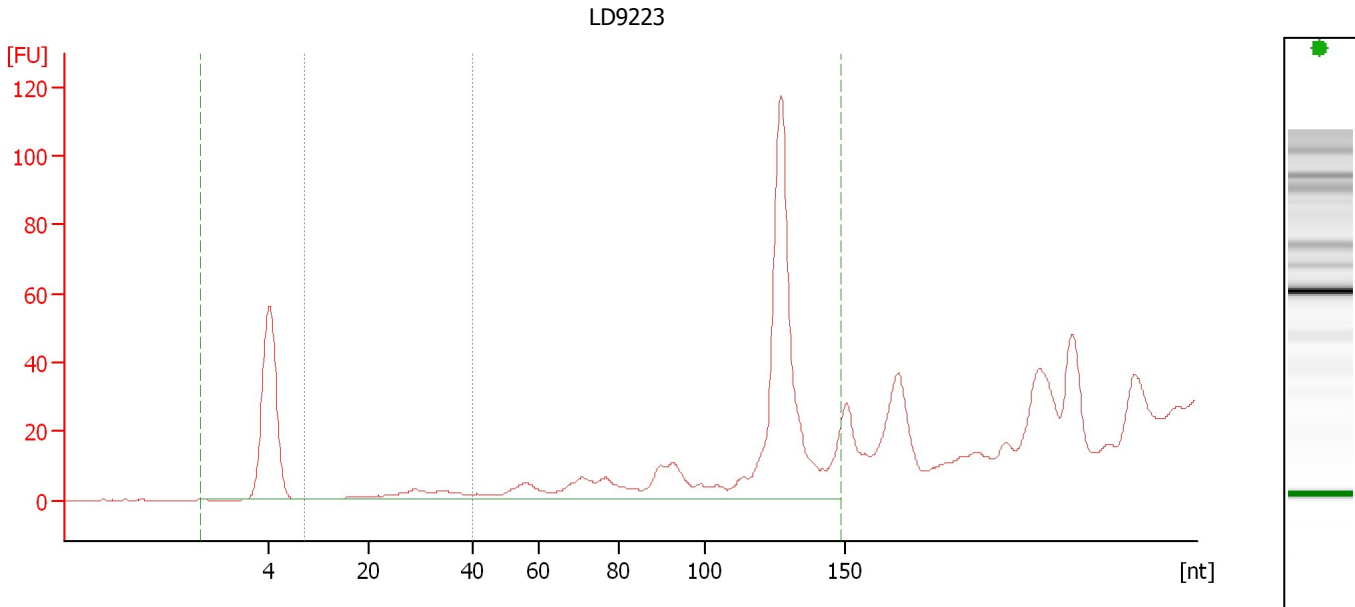
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	150	89	54.4	966.1	100	<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	27	29.8	174.5	18	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>



Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : LD9223**

Small RNA Concentration [pg/μl]:	752.8	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	88.9	Result Flagging Label:	12 % miRNA; Concentration: 88.90 pg/μl
miRNA / Small RNA Ratio [%]:	12		

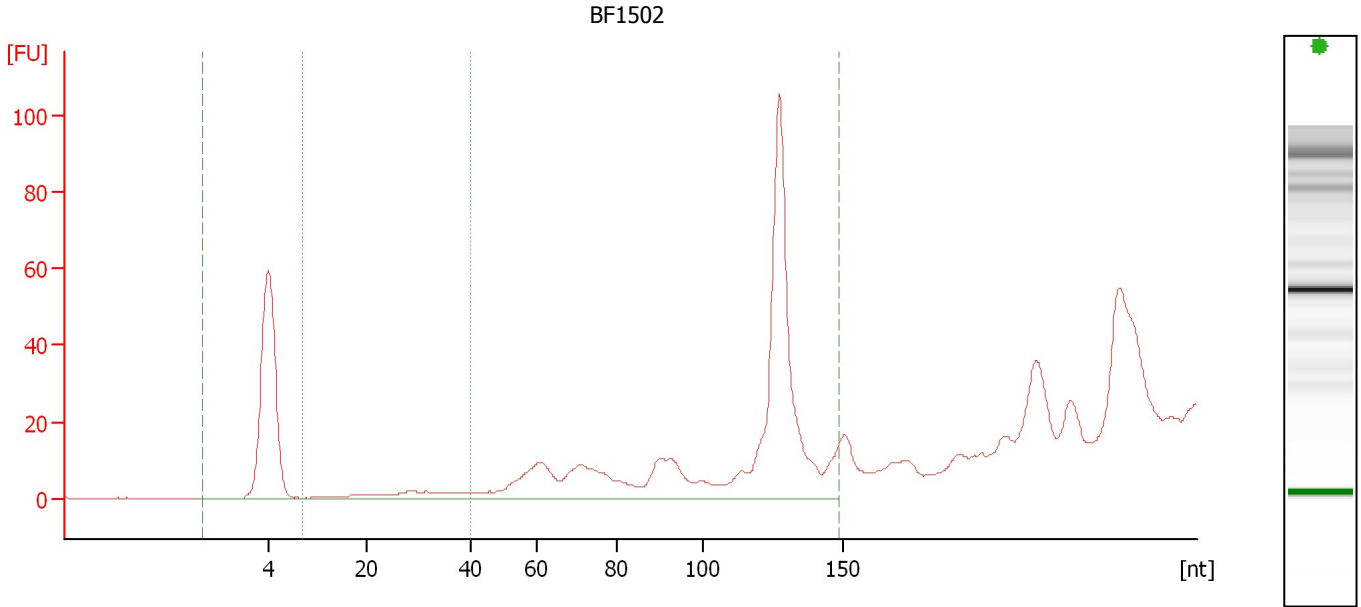
**Region table for sample 6 : LD9223**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	92	54.0	752.8	100	<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	29	23.4	88.9	12	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : BF1502**

Small RNA Concentration [pg/μl]:	709.0	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	78.6	Result Flagging Label:	11 % miRNA; Concentration: 78.60 pg/μl
miRNA / Small RNA Ratio [%]:	11		

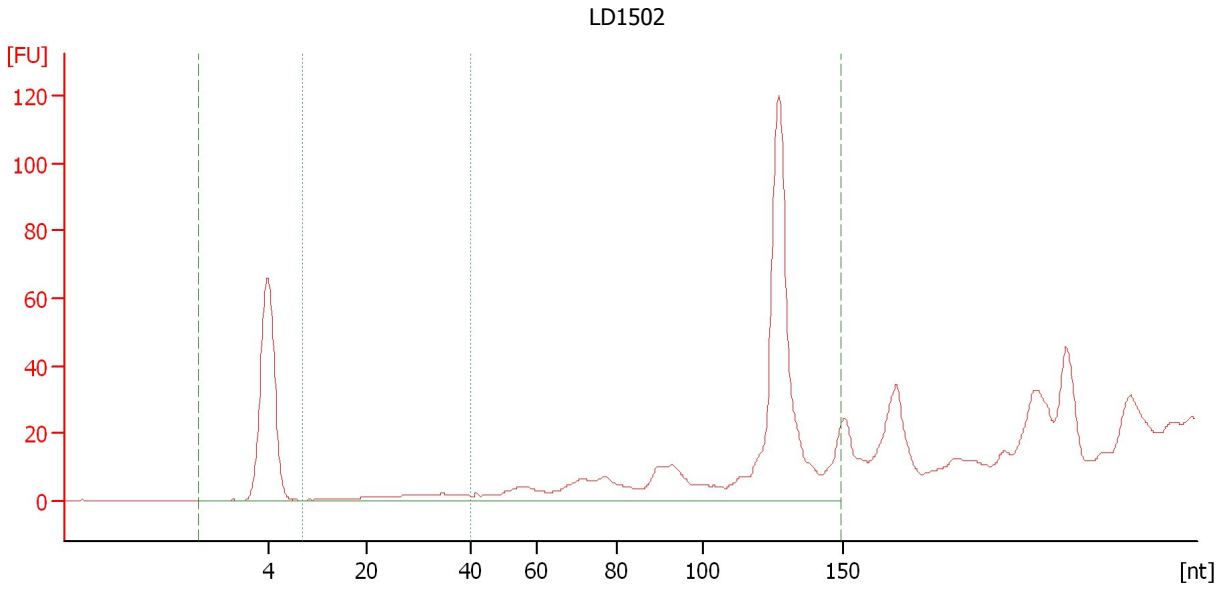
**Region table for sample 7 : BF1502**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	86	57.4	709.0	100	<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	28	27.7	78.6	11	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : LD1502**

Small RNA Concentration [pg/μl]:	676.7	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	75.6	Result Flagging Label:	11 % miRNA; Concentration: 75.60 pg/μl
miRNA / Small RNA Ratio [%]:	11		

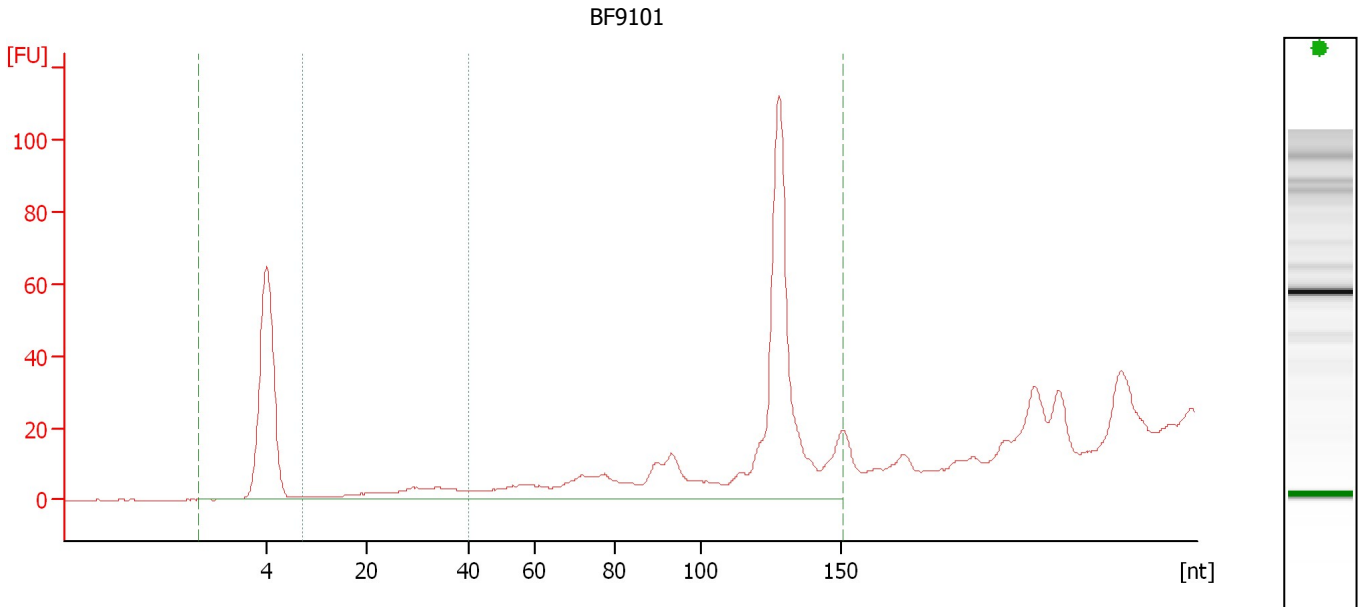
**Region table for sample 8 : LD1502**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	89	57.0	676.7	100	<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	28	28.0	75.6	11	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : BF9101**

Small RNA Concentration [pg/μl]:	740.4	Result Flagging Color:	<span style="background-color: green; color: black;"> </span>
miRNA Concentration [pg/μl]:	124.8	Result Flagging Label:	17 % miRNA; Concentration: 124.80 pg/μl
miRNA / Small RNA Ratio [%]:	17		

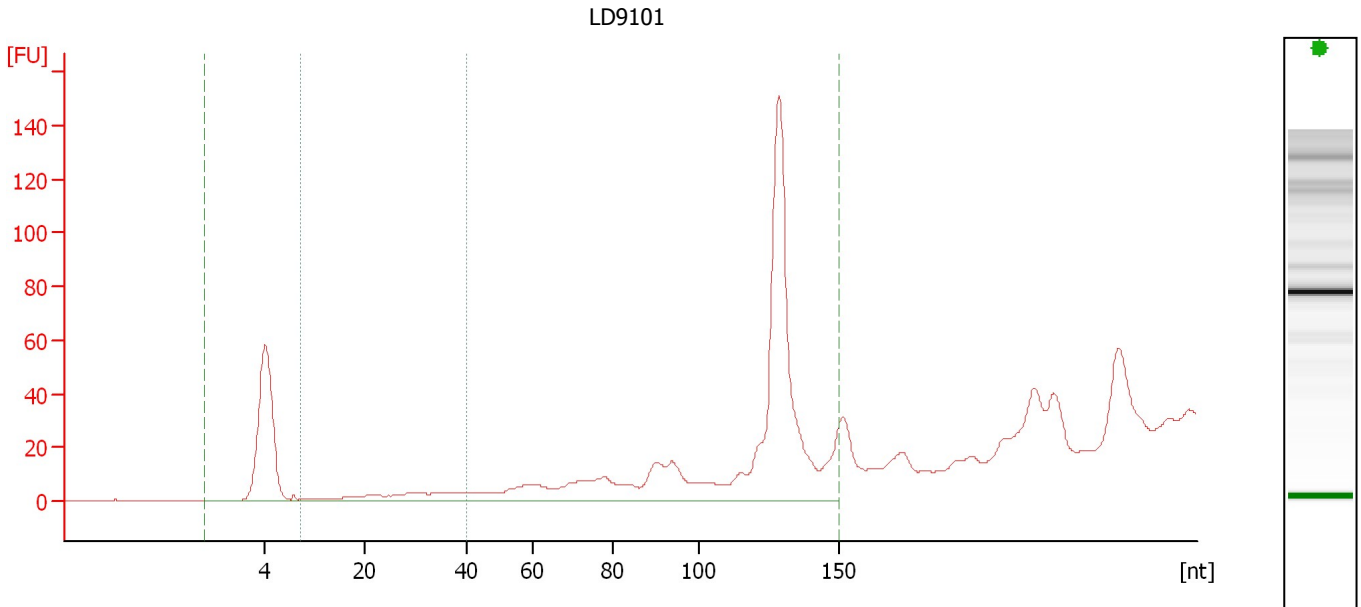
**Region table for sample 9 : BF9101**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Col or
Small RNA	0	151	87	58.2	740.4	100	<span style="background-color: purple; color: black;"> </span>
miRNA	10	40	28	28.6	124.8	17	<span style="background-color: green; color: black;"> </span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : LD9101**

Small RNA Concentration [pg/μl]:	1,032.0	Result Flagging Color:	<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
miRNA Concentration [pg/μl]:	132.8	Result Flagging Label:	13 % miRNA; Concentration: 132.80 pg/μl
miRNA / Small RNA Ratio [%]:	13		

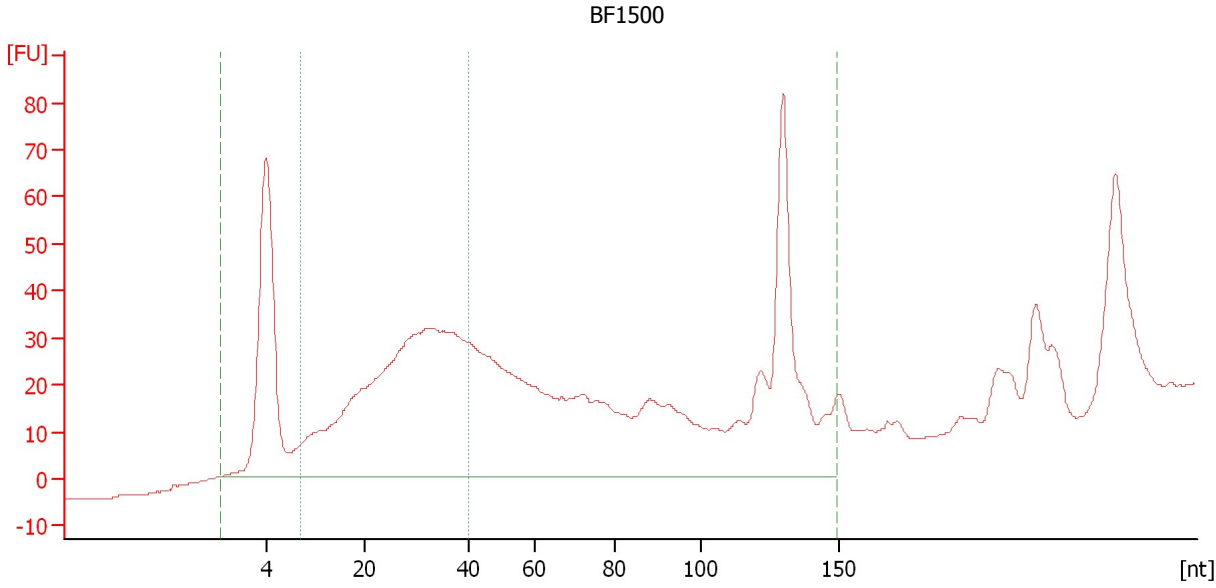
**Region table for sample 10 : LD9101**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	151	95	50.0	1,032.0	100	<span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span>
miRNA	10	40	28	29.4	132.8	13	<span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span>

Assay Class: Small RNA  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
 Modified: 6/9/2017 2:28:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : BF1500**

Small RNA Concentration [pg/μl]:	2,272.8	Result Flagging Color:	<span style="background-color: green; color: black;"> </span>
miRNA Concentration [pg/μl]:	1,264.7	Result Flagging Label:	56 % miRNA; Concentration: 1264.70 pg/μl
miRNA / Small RNA Ratio [%]:	56		

**Region table for sample 11 : BF1500**

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/μl]	% of Total	Color
Small RNA	0	149	63	69.8	2,272.8	100	<span style="background-color: purple; color: black;"> </span>
miRNA	10	40	27	29.4	1,264.7	56	<span style="background-color: green; color: black;"> </span>

Assay Class: Small RNA  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-09\2017-06-09\_002.xad

Created: 6/9/2017 12:59:52 PM  
Modified: 6/9/2017 2:28:05 PM

**Gel Image**

