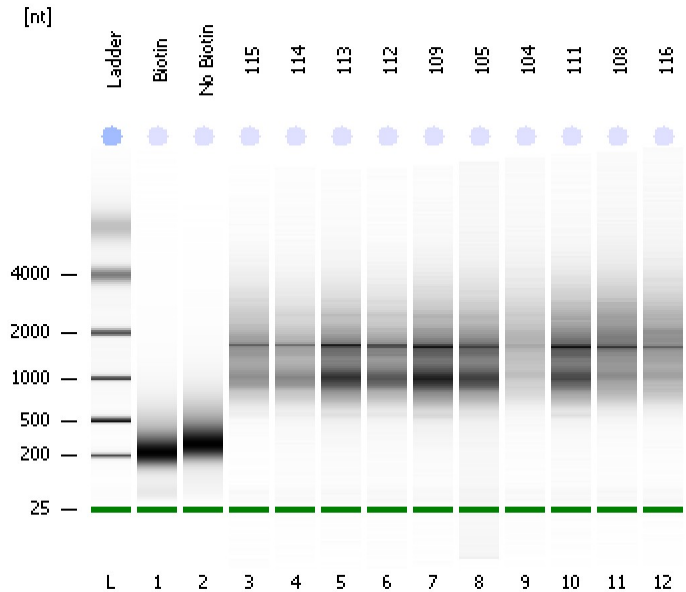


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 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 Nano.xsy

Assay Class: Plant RNA Nano

Version: 1.3

Assay Comments: Total RNA Analysis ng sensitivity (Plant)

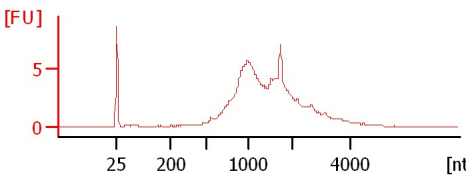
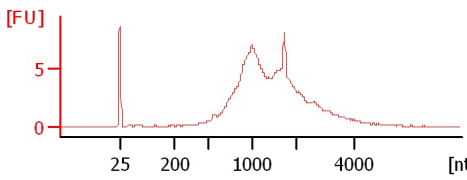
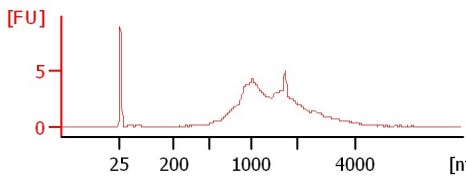
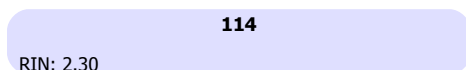
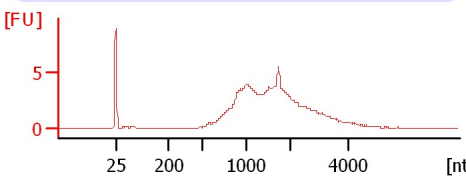
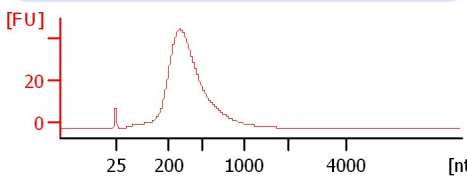
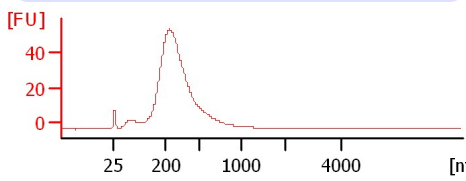
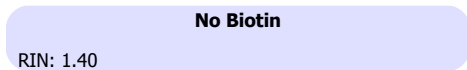
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
 Modified: 5/20/2014 4:48:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Biotin		✓	RIN: 1.70	
No Biotin		✓	RIN: 1.40	
115		✓	RIN: 2.30	
114		✓	RIN: 2.30	
113		✓	RIN: 2.10	
112		✓	RIN: 2.30	
109		✓	RIN: 2.10	
105		✓	RIN: 2.20	
104		✓	RIN: 2.30	
111		✓	RIN: 2.10	
108		✓	RIN: 3.20	
116		✓	RIN: 2.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.2
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

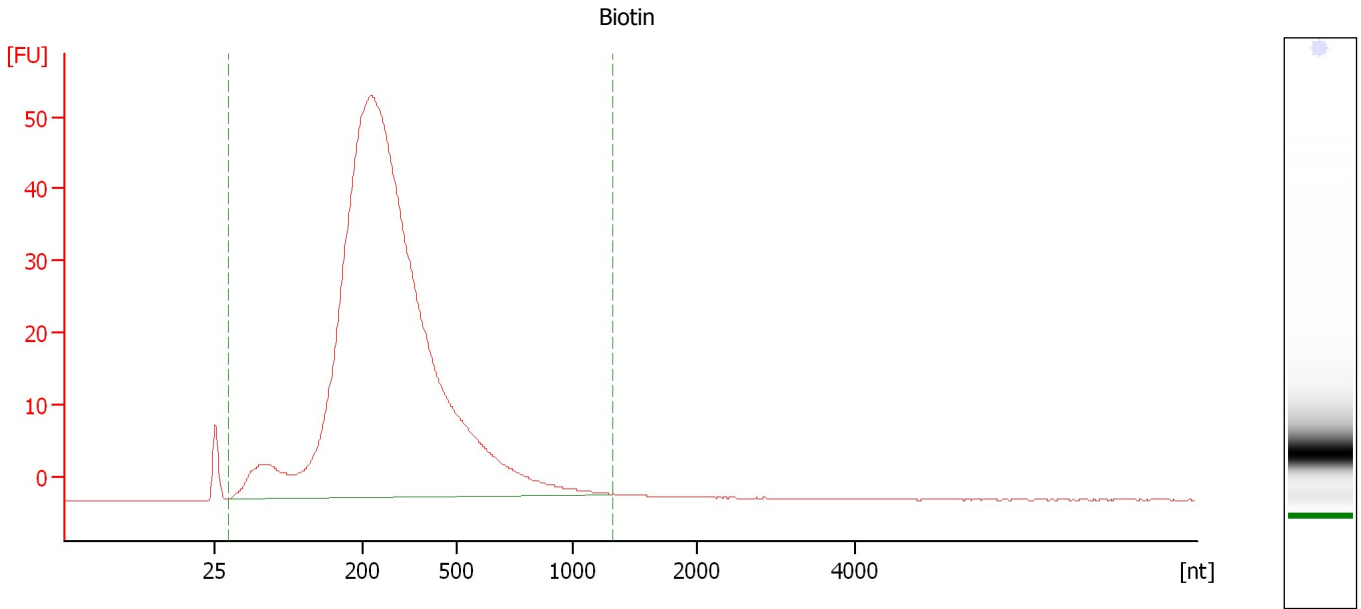
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary



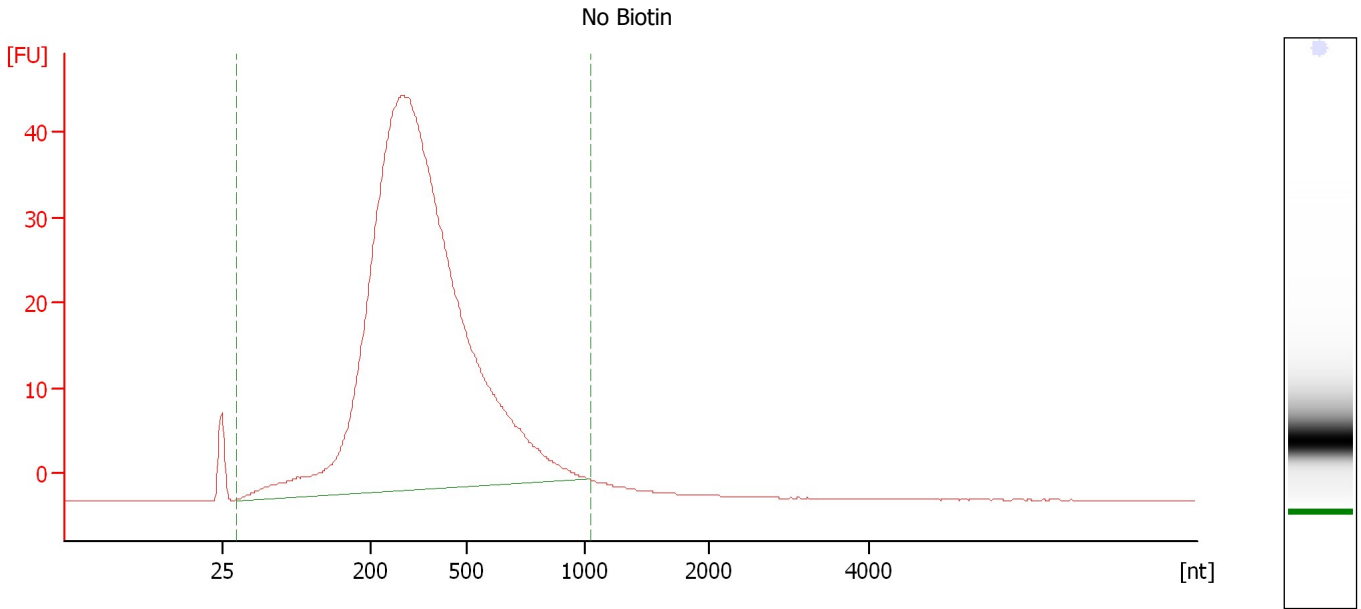
Overall Results for sample 1 : Biotin

RNA Area:	767.4	RNA Integrity Number (RIN):	1.7 (B.02.08)
RNA Concentration:	450 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.70

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



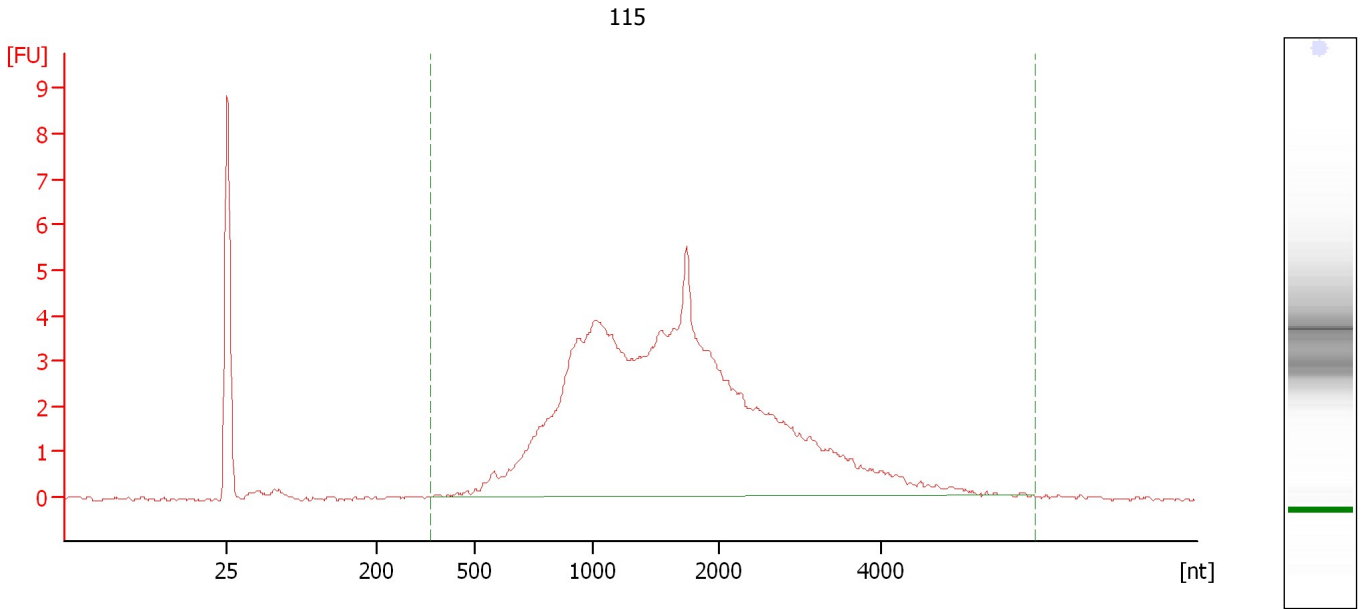
Overall Results for sample 2 : No Biotin

RNA Area:	660.5	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	387 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



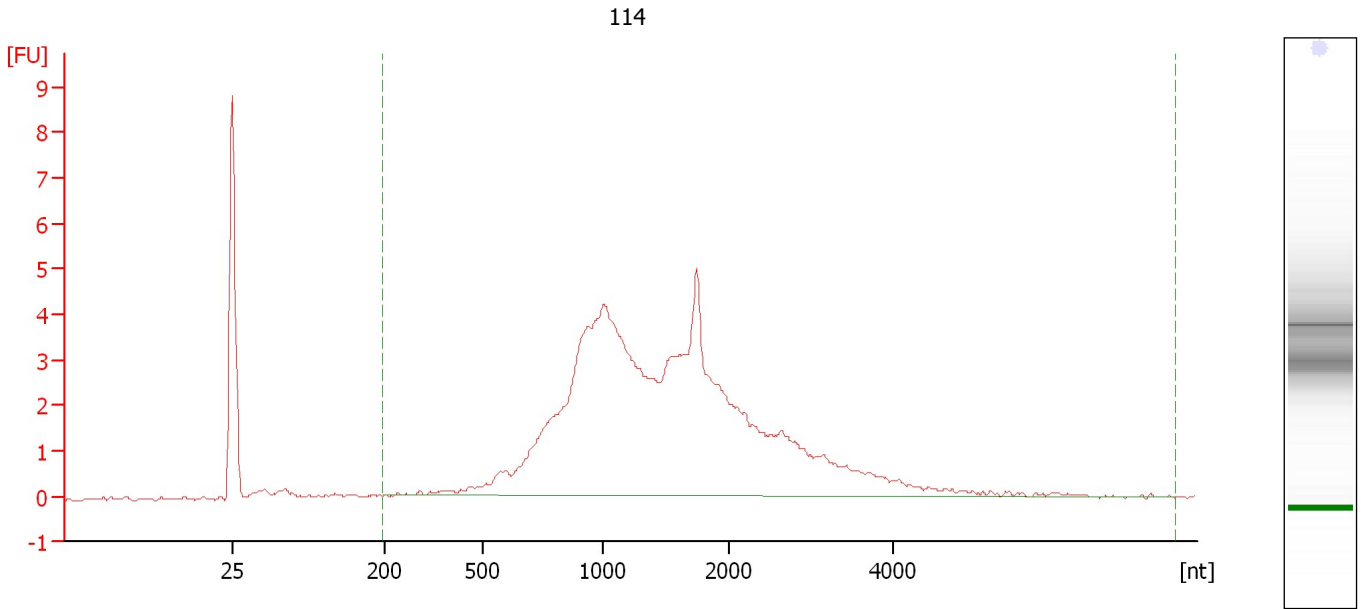
Overall Results for sample 3 : 115

RNA Area:	80.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



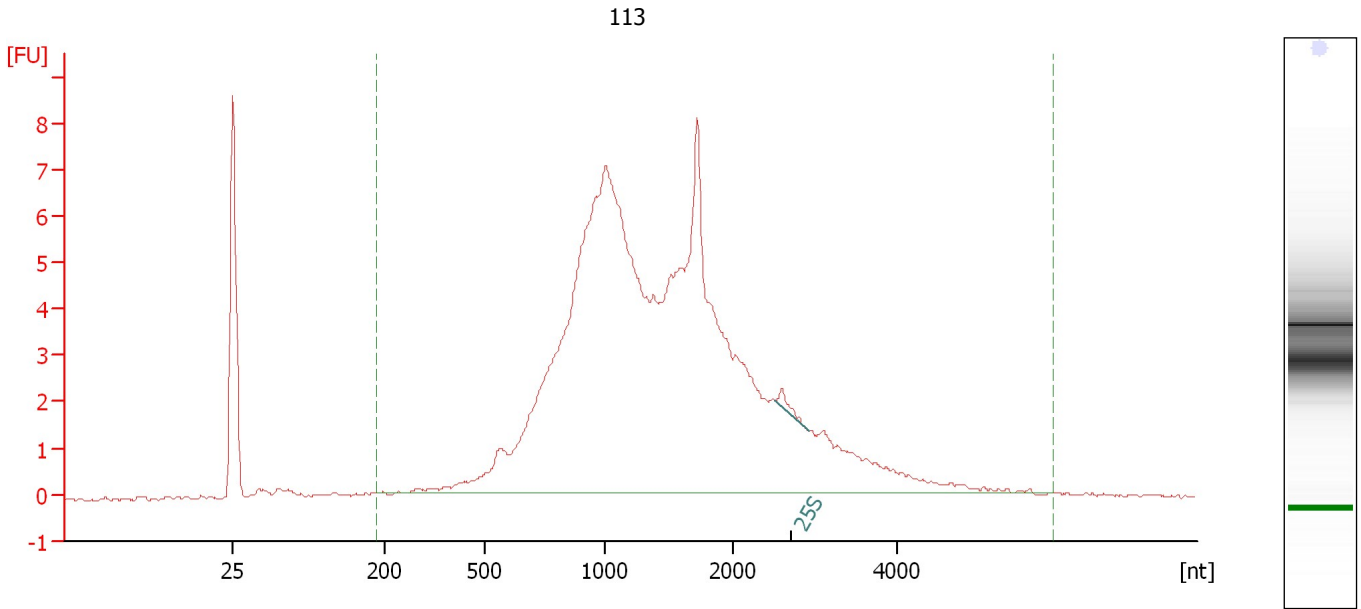
Overall Results for sample 4 : 114

RNA Area:	71.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	42 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 113

RNA Area:	119.6	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

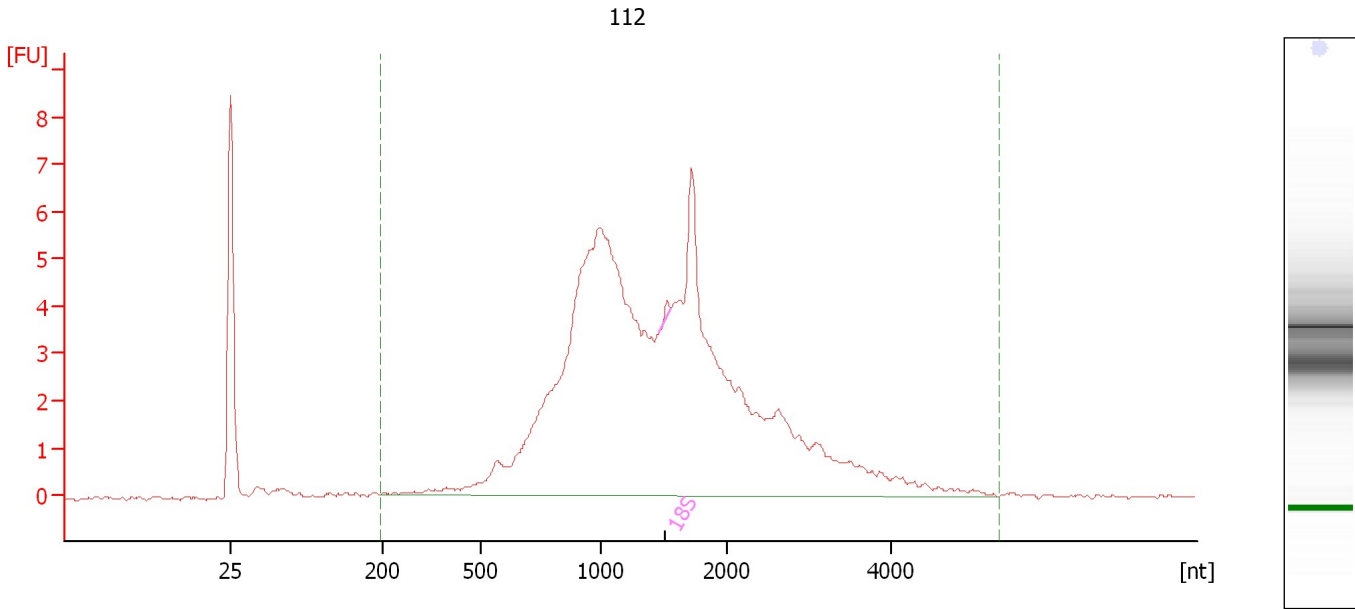
Fragment table for sample 5 : 113

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	2,525	2,928	0.4	0.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 112

RNA Area: 93.9 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 55 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.0 Result Flagging Label: RIN: 2.30

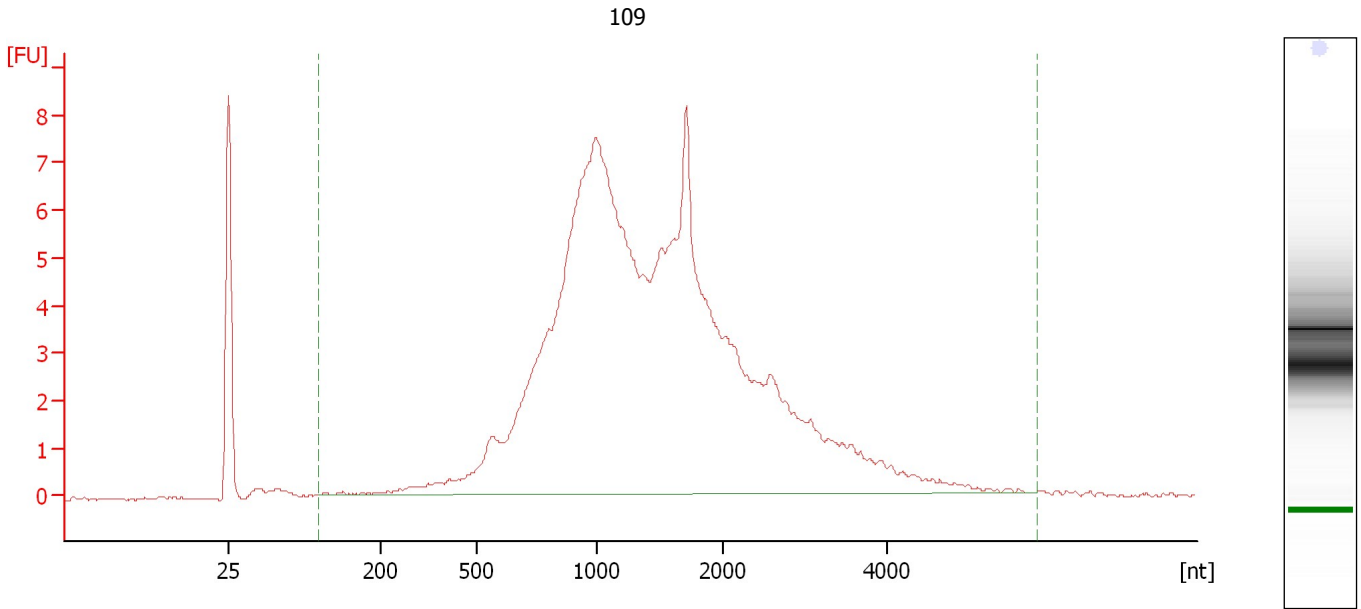
Fragment table for sample 6 : 112

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,463	1,556	0.2	0.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



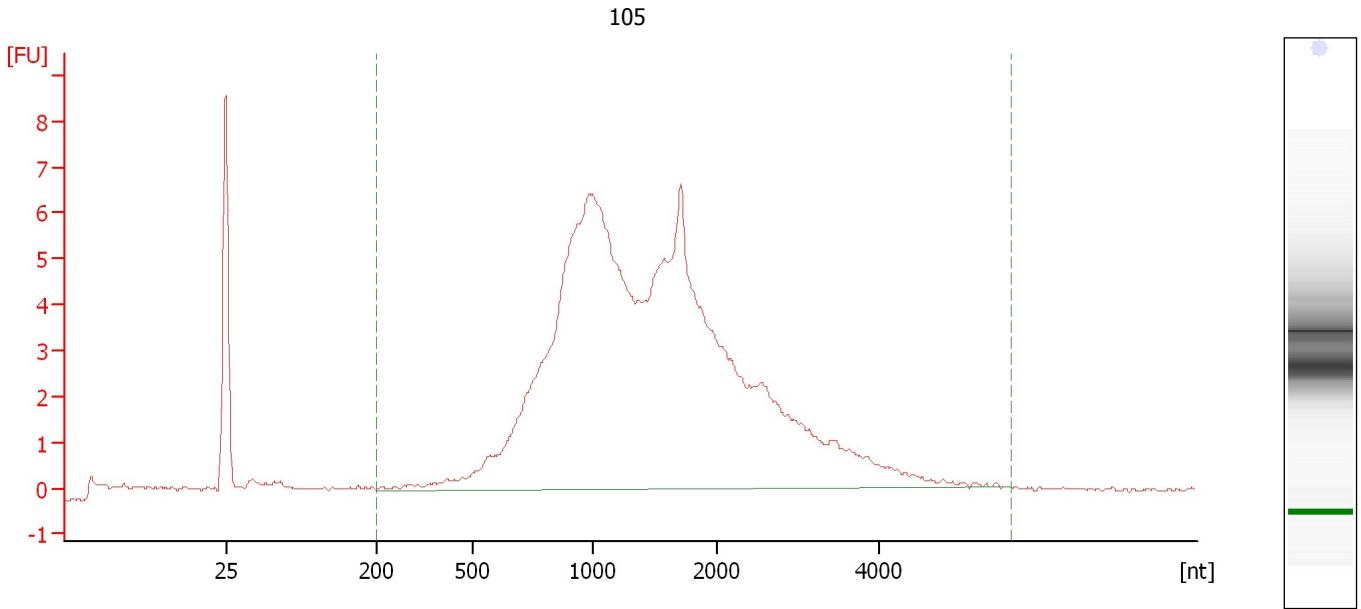
Overall Results for sample 7 : 109

RNA Area:	135.4	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	79 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



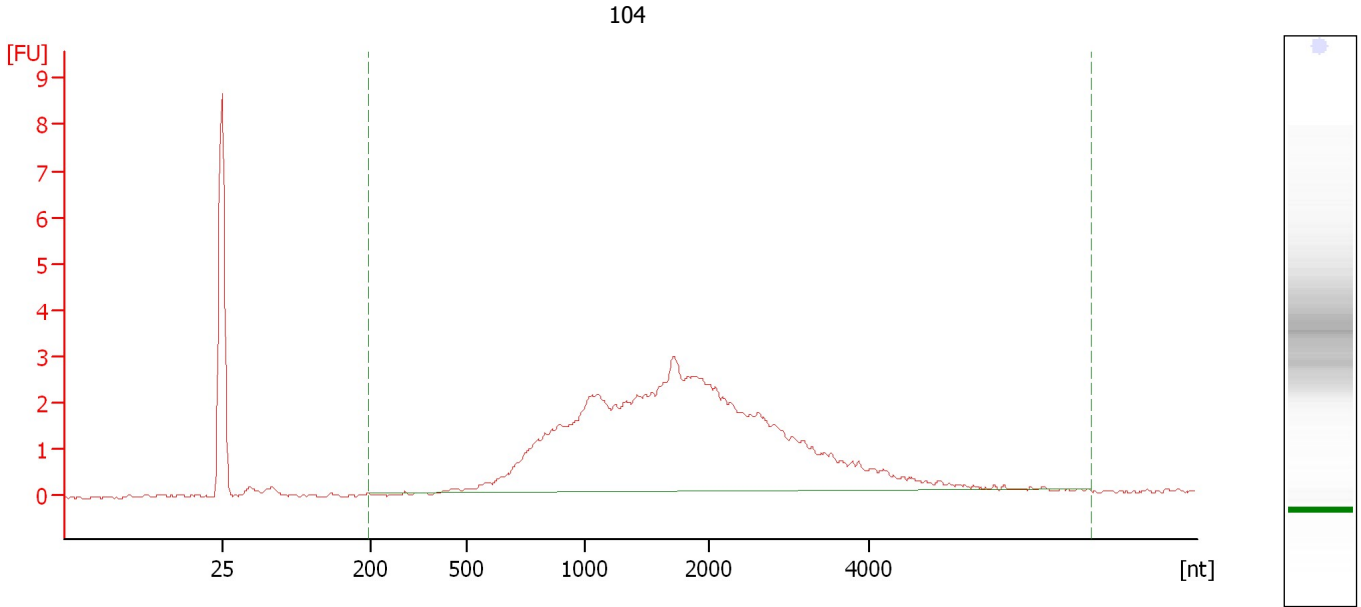
Overall Results for sample 8 : 105

RNA Area:	117.1	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



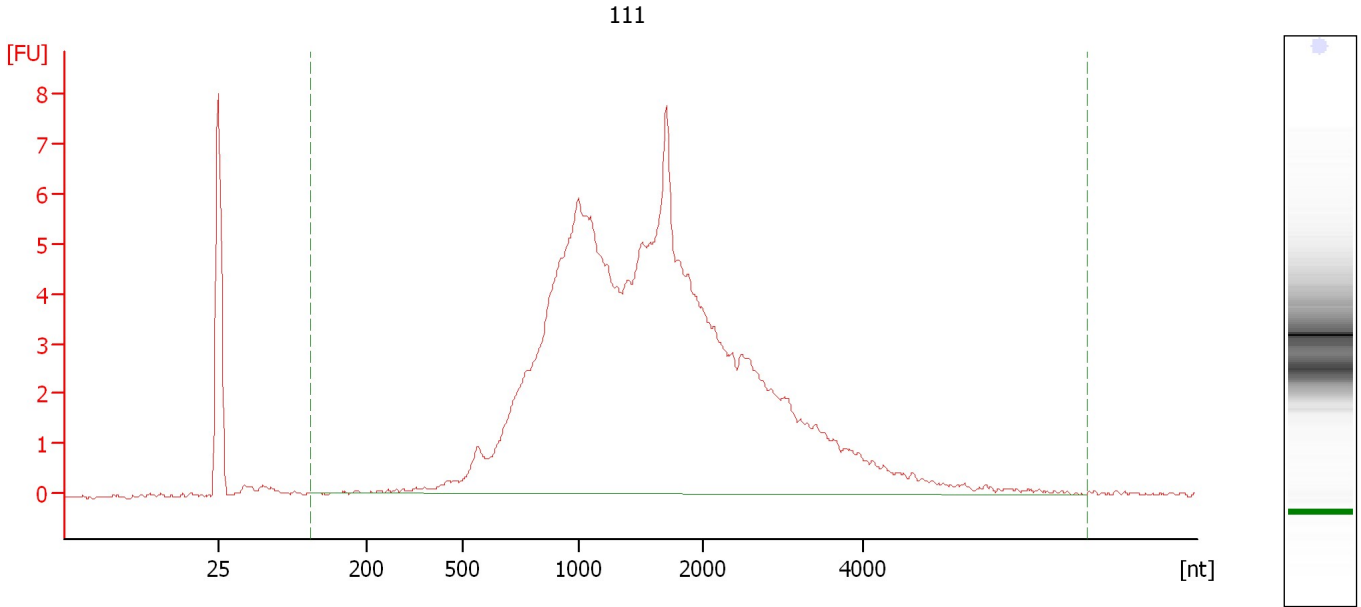
Overall Results for sample 9 : 104

RNA Area:	51.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	30 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



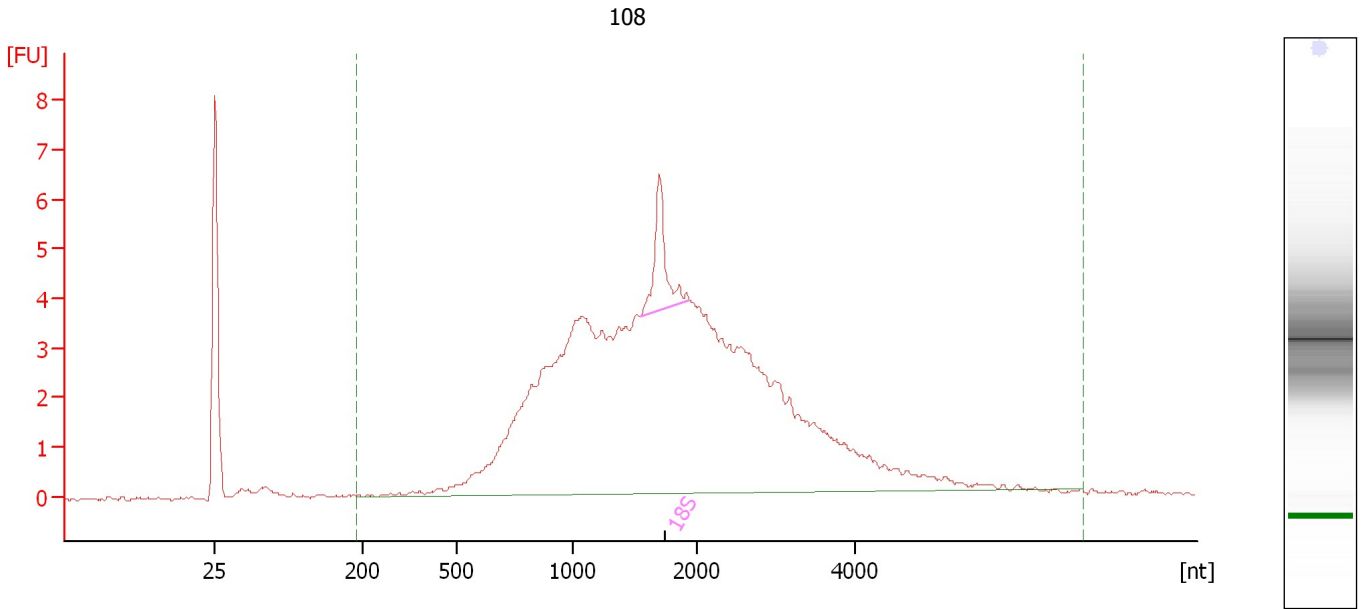
Overall Results for sample 10 : 111

RNA Area:	122.8	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	72 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 108

RNA Area:	98.9	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	58 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 3.20

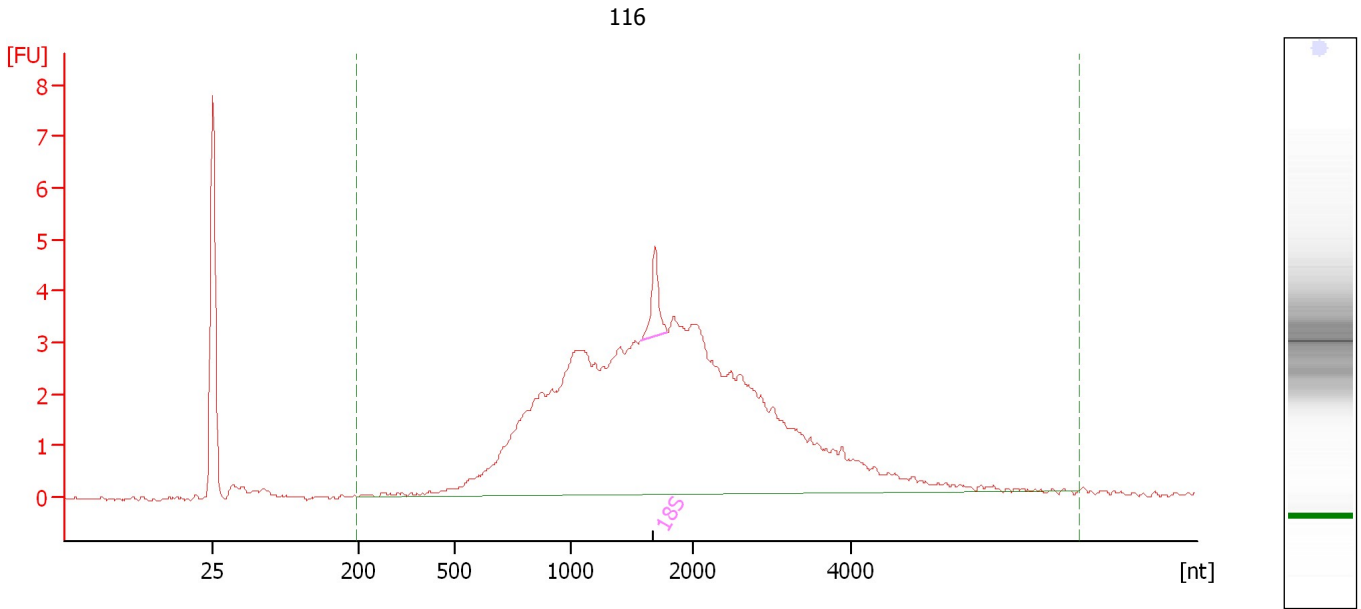
Fragment table for sample 11 : 108

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	1,942	3.5	3.5

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 116

RNA Area:	75.4	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	44 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

Fragment table for sample 12 : 116

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,583	1,792	1.6	2.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-20\2014-05-20_002.xad

Created: 5/20/2014 4:16:56 PM
Modified: 5/20/2014 4:48:45 PM

Gel Image

