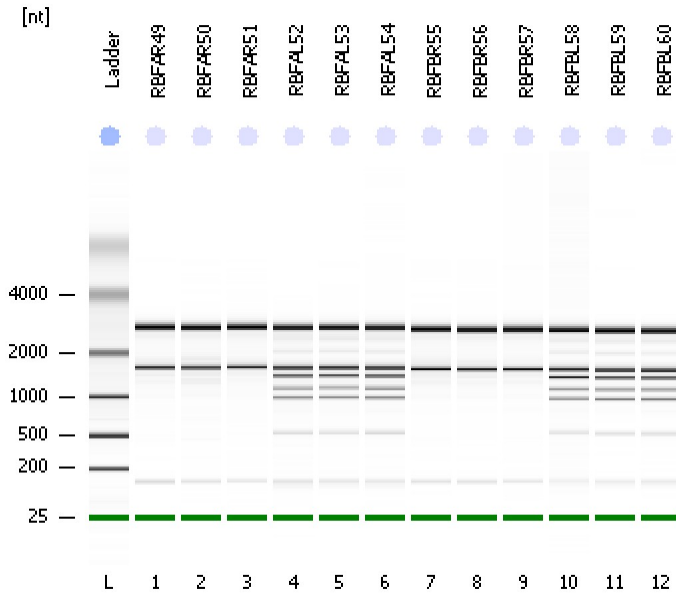


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

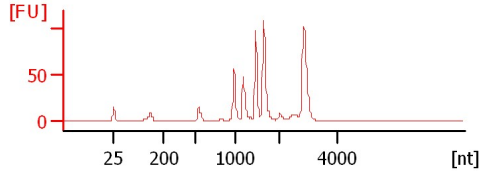
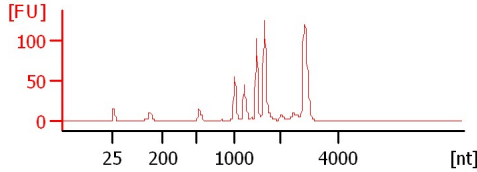
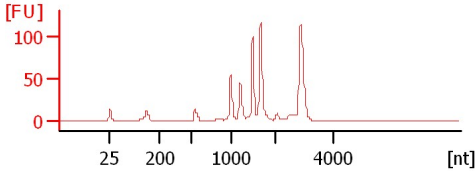
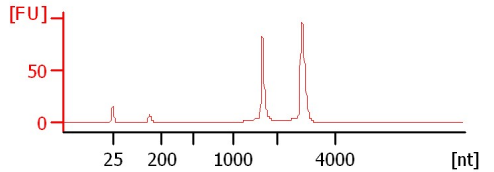
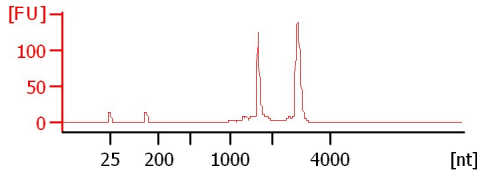
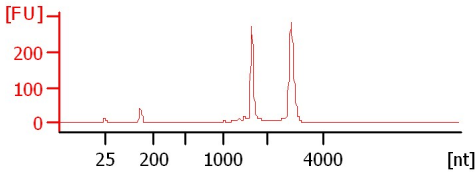
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

Assay Class: Plant RNA Nano
Version: 1.3
Assay Comments: Total RNA Analysis ng sensitivity (Plant)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
 Modified: 2/5/2019 12:46:47 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RBFAR49		✓	RIN: 9.50	
RBFAR50		✓	RIN: 9.60	
RBFAR51		✓	RIN: 9.90	
RBFAL52		✓	RIN: 6.70	
RBFAL53		✓	RIN: 6.80	
RBFAL54		✓	RIN: 6.70	
RBFBR55		✓	RIN: 9.40	
RBFBR56		✓	RIN: 9.50	
RBFBR57		✓	RIN: 9.90	
RBFBL58		✓	RIN: 6.90	
RBFBL59		✓	RIN: 6.90	
RBFBL60		✓	RIN: 6.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 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/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ μ l] : 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

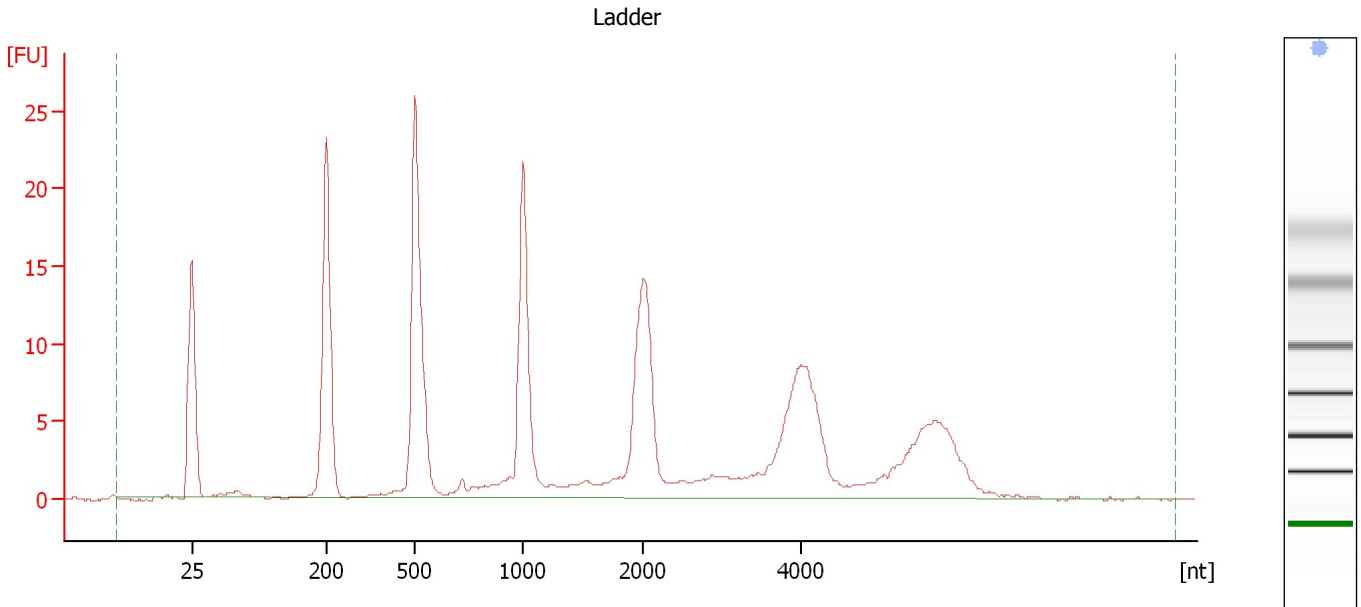
Ladder

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\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary



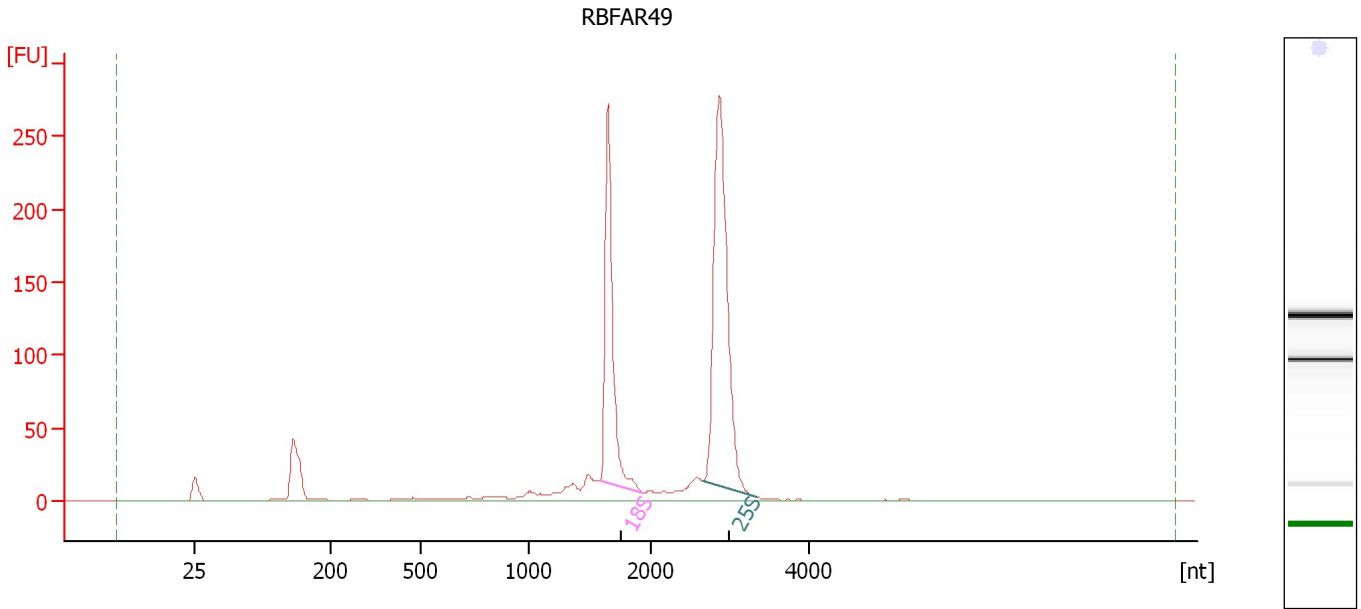
Overall Results for Ladder

RNA Area:	220.2	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : RBFAR49

RNA Area: 1,028.6 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 701 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.6 Result Flagging Label: RIN: 9.50

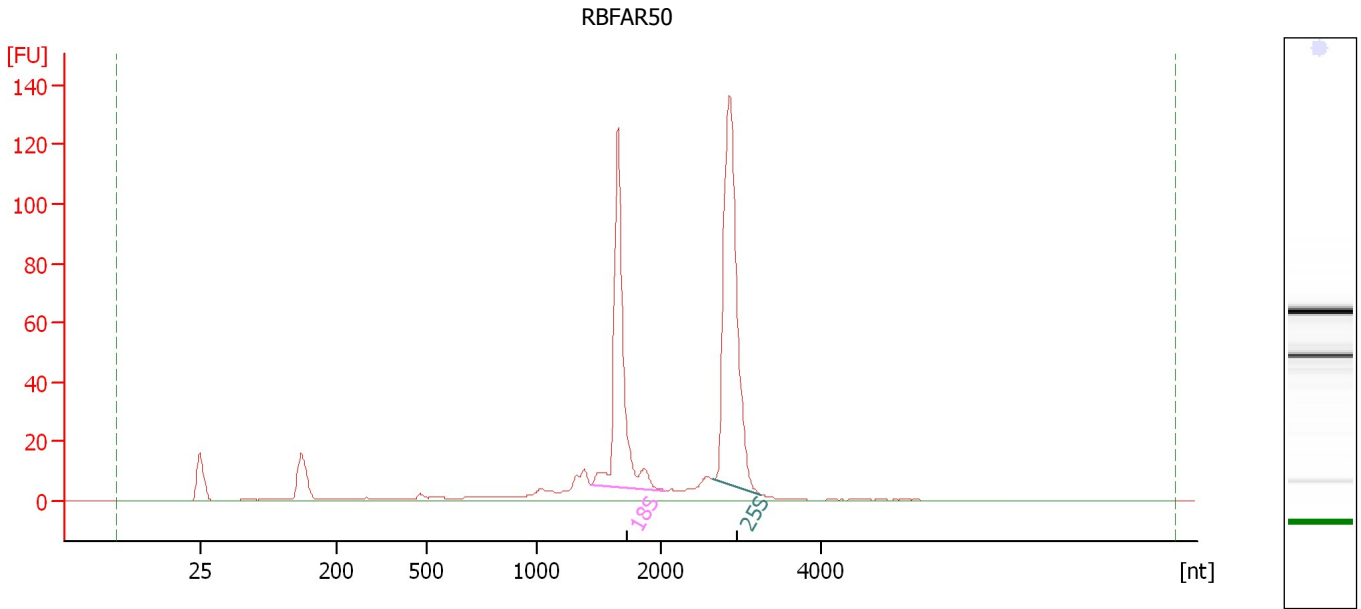
Fragment table for sample 1 : RBFAR49

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,940	254.5	24.7
25S	2,661	3,345	411.2	40.0

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RBFAR50

RNA Area:	517.4	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	352 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN: 9.60

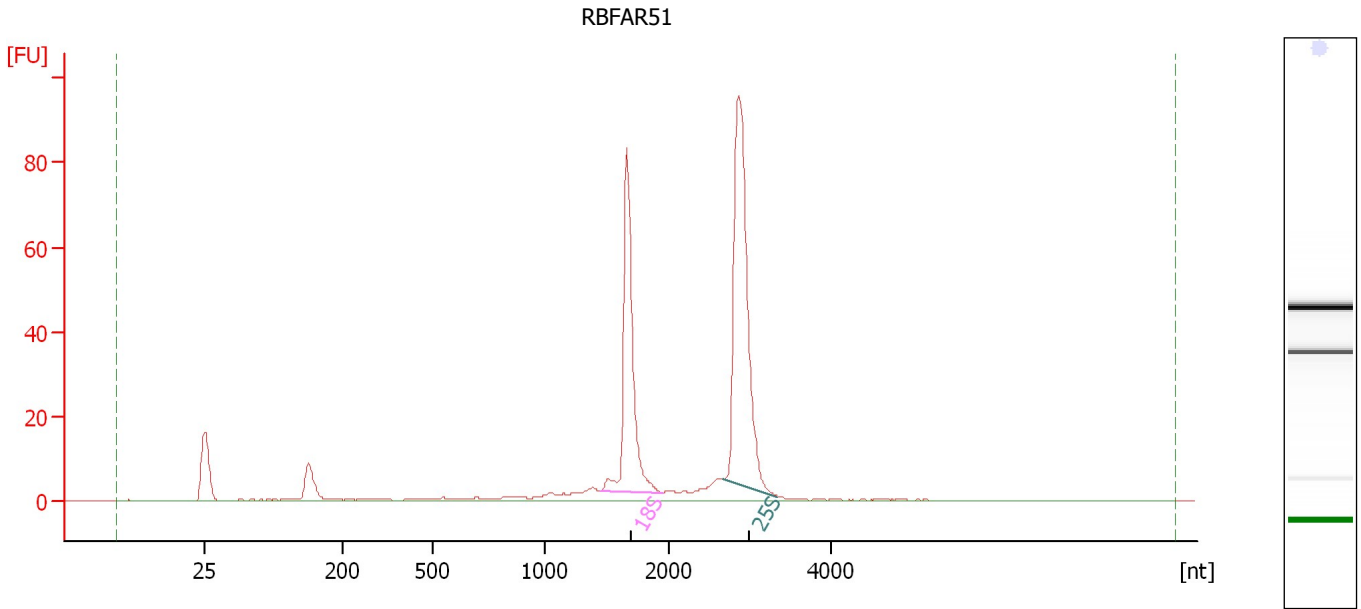
Fragment table for sample 2 : RBFAR50

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,440	2,061	138.3	26.7
25S	2,646	3,257	193.7	37.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RBFAR51

RNA Area: 326.8 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 223 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.5 Result Flagging Label: RIN: 9.90

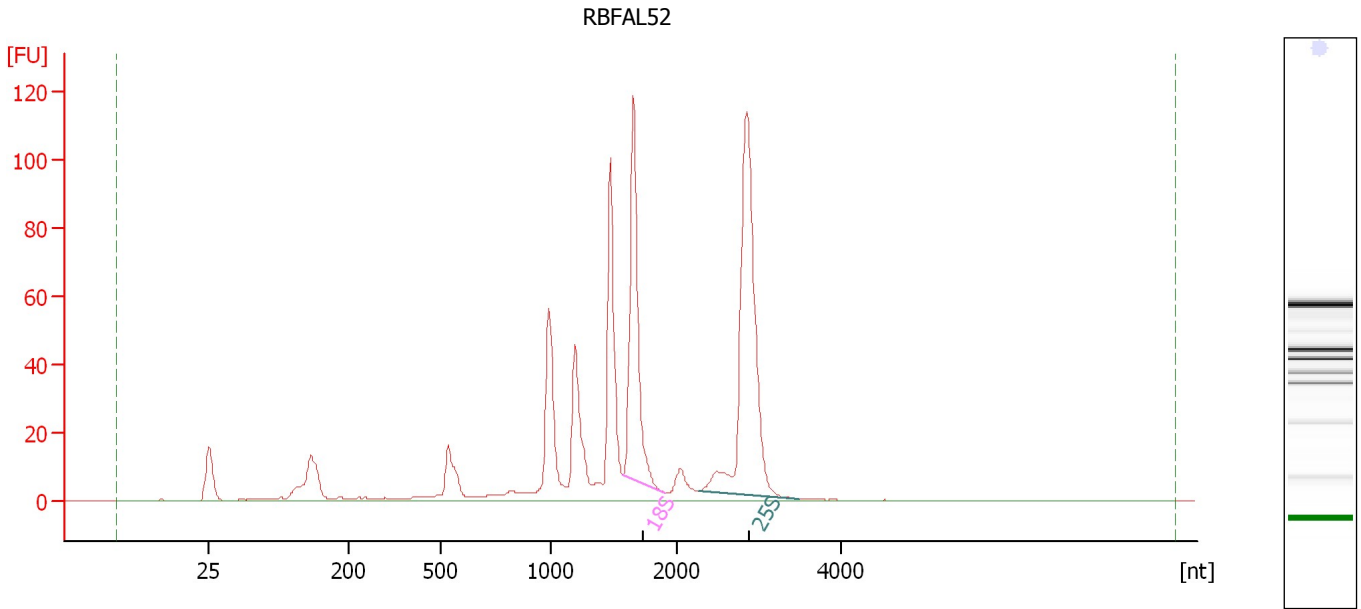
Fragment table for sample 3 : RBFAR51

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,447	1,947	88.1	27.0
25S	2,671	3,342	136.0	41.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : RBFAL52

RNA Area: 645.4 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 440 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.7 Result Flagging Label: RIN: 6.70

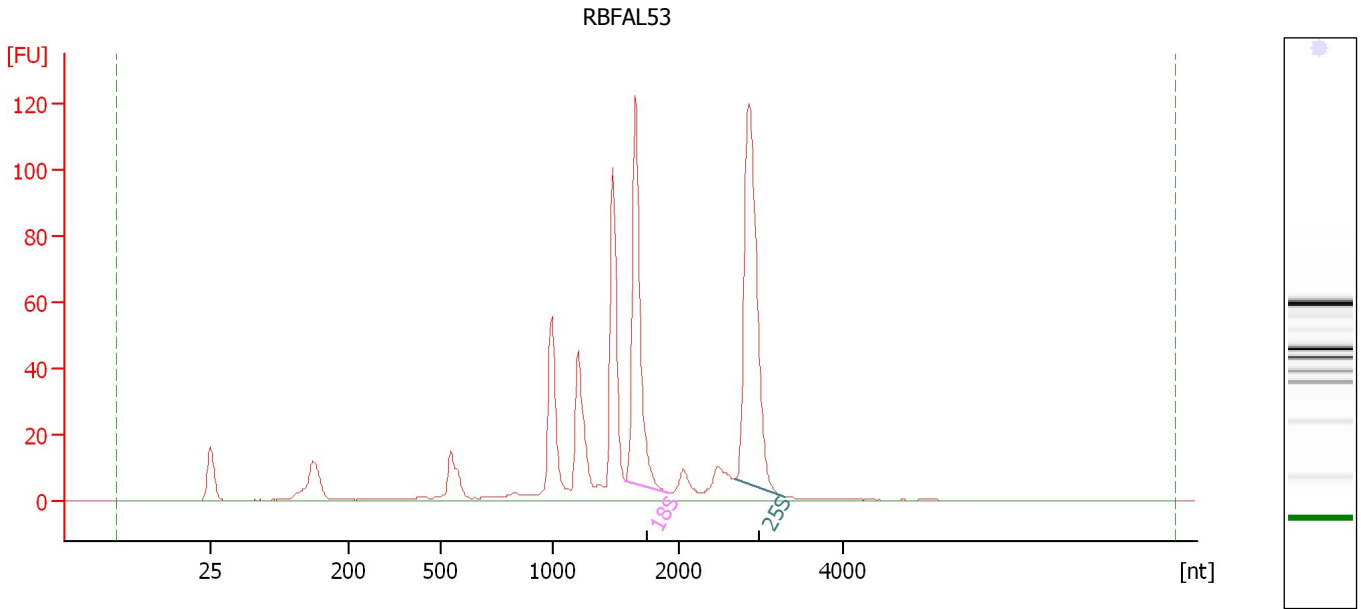
Fragment table for sample 4 : RBFAL52

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	1,908	109.6	17.0
25S	2,264	3,492	181.0	28.0

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RBFAL53

RNA Area: 640.0 RNA Integrity Number (RIN): 6.8 (B.02.08)
RNA Concentration: 436 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.4 Result Flagging Label: RIN: 6.80

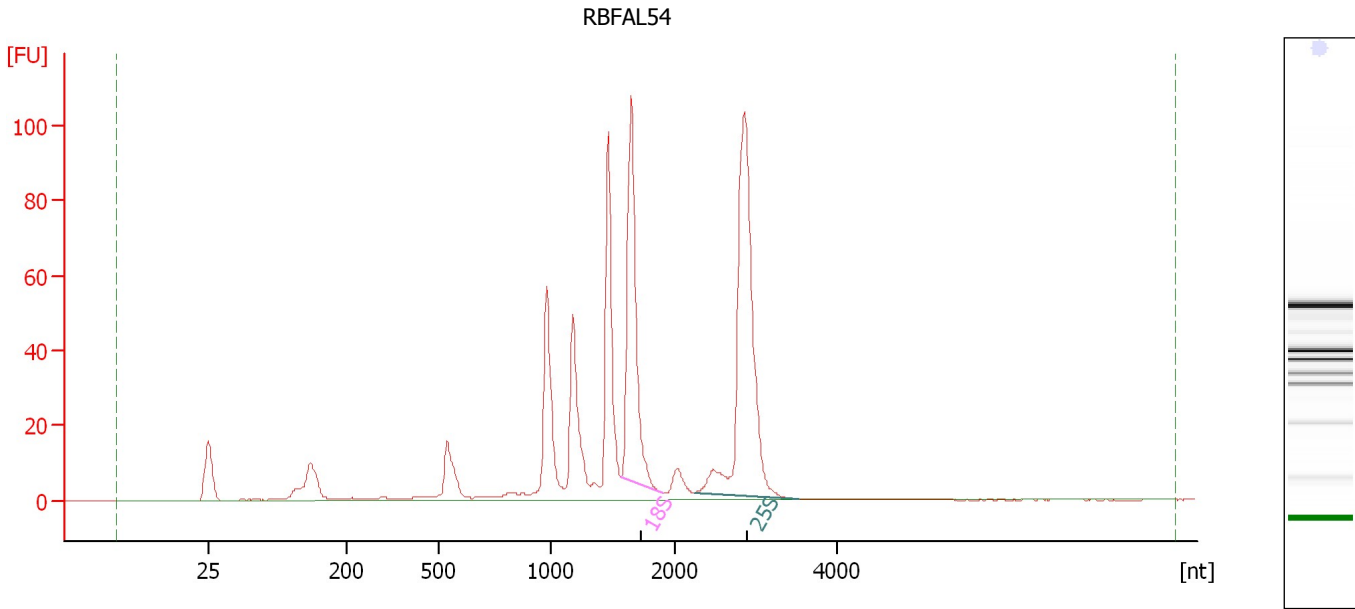
Fragment table for sample 5 : RBFAL53

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	1,917	117.2	18.3
25S	2,682	3,294	161.0	25.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RBFAL54

RNA Area:	595.6	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	406 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.6	Result Flagging Label:	RIN: 6.70

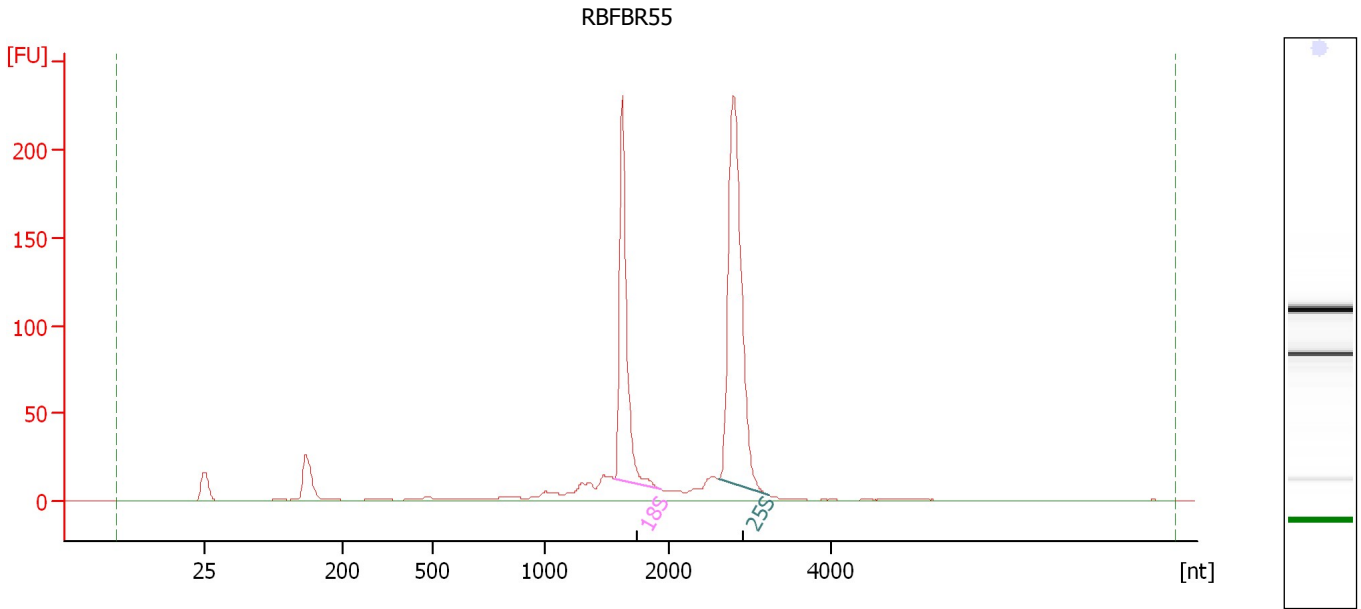
Fragment table for sample 6 : RBFAL54

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	1,907	105.0	17.6
25S	2,238	3,520	168.4	28.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RBFBR55

RNA Area: 817.5 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 557 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.7 Result Flagging Label: RIN: 9.40

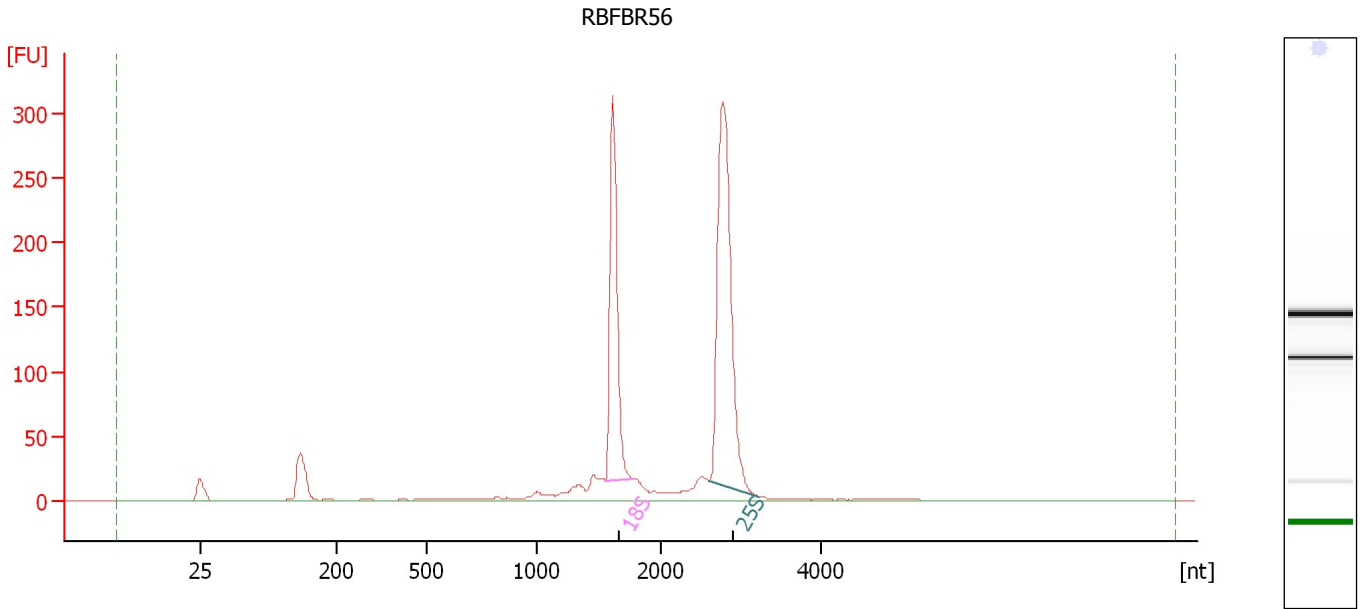
Fragment table for sample 7 : RBFBR55

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,939	198.4	24.3
25S	2,618	3,237	330.1	40.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : RBFBR56

RNA Area: 1,074.7 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 732 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.7 Result Flagging Label: RIN: 9.50

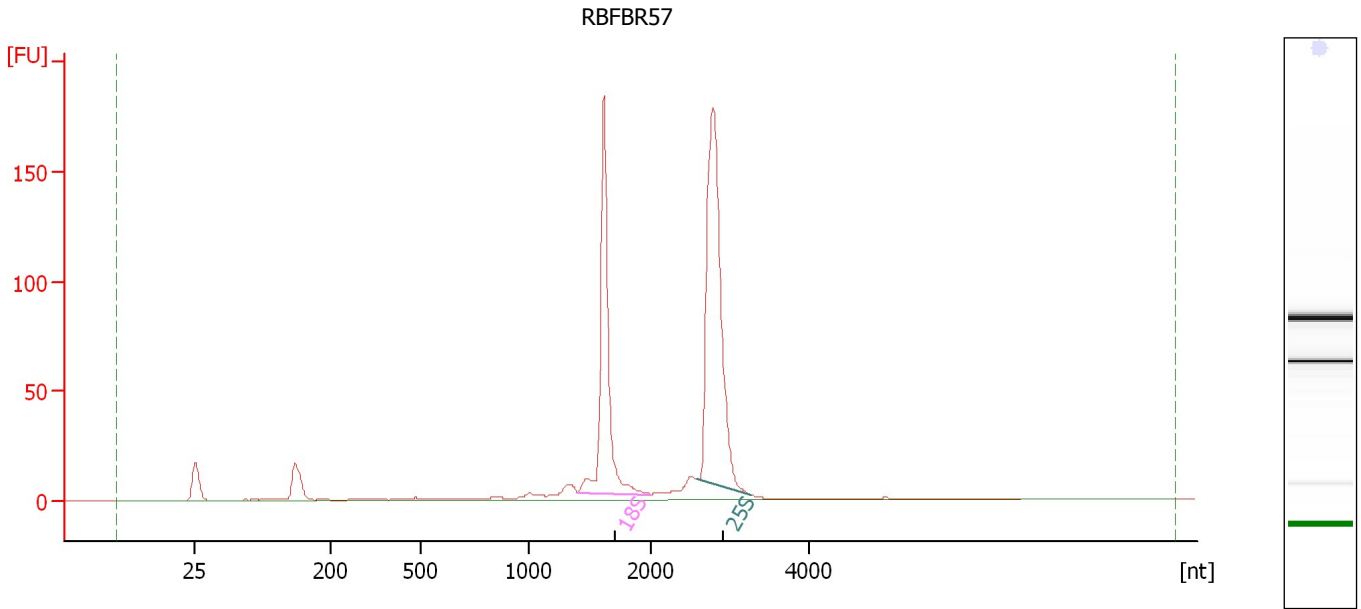
Fragment table for sample 8 : RBFBR56

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,553	1,779	259.1	24.1
25S	2,606	3,217	449.0	41.8

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : RBFBR57

RNA Area:	606.6	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	413 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.5	Result Flagging Label:	RIN: 9.90

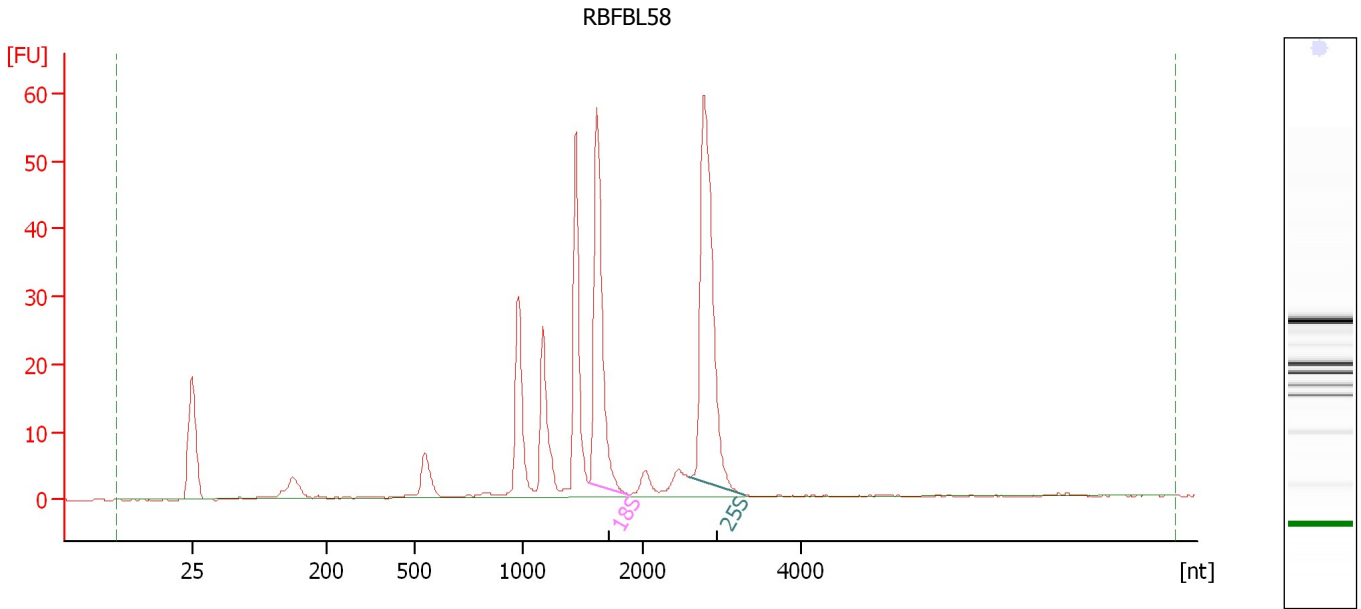
Fragment table for sample 9 : RBFBR57

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,413	2,003	178.8	29.5
25S	2,593	3,278	271.3	44.7

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : RBFBL58

RNA Area:	291.6	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	199 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN: 6.90

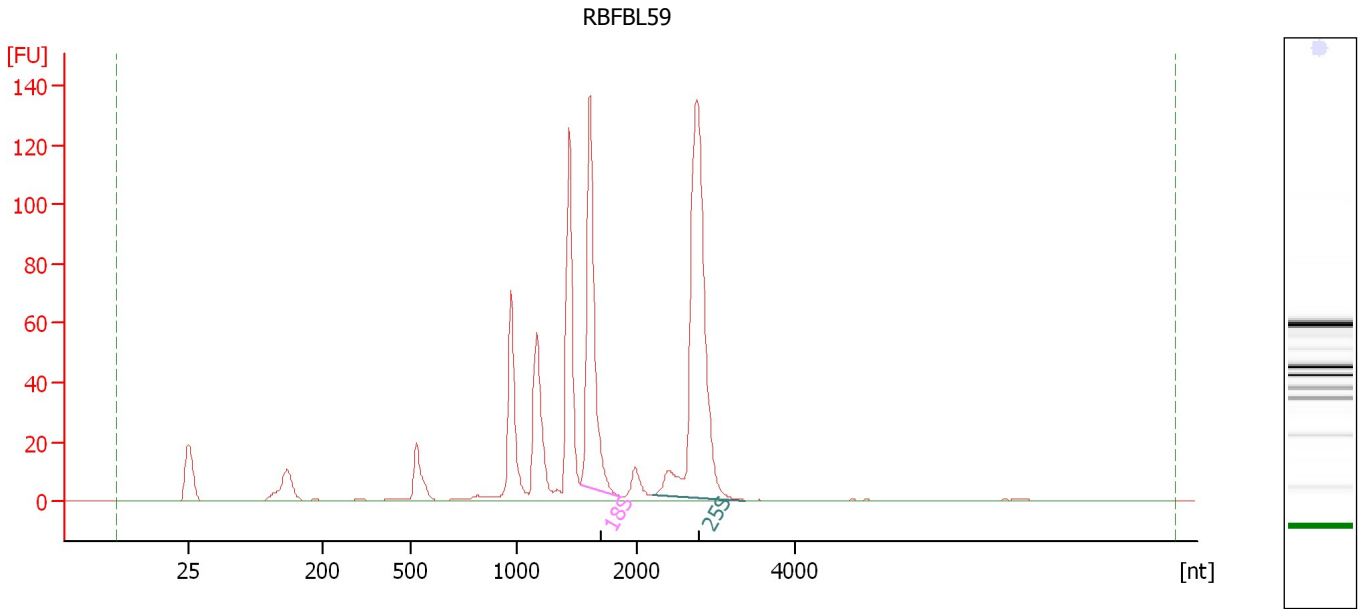
Fragment table for sample 10 : RBFBL58

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,876	55.9	19.2
25S	2,581	3,270	80.6	27.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : RBFBL59

RNA Area: 712.9 RNA Integrity Number (RIN): 6.9 (B.02.08)
RNA Concentration: 486 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.7 Result Flagging Label: RIN: 6.90

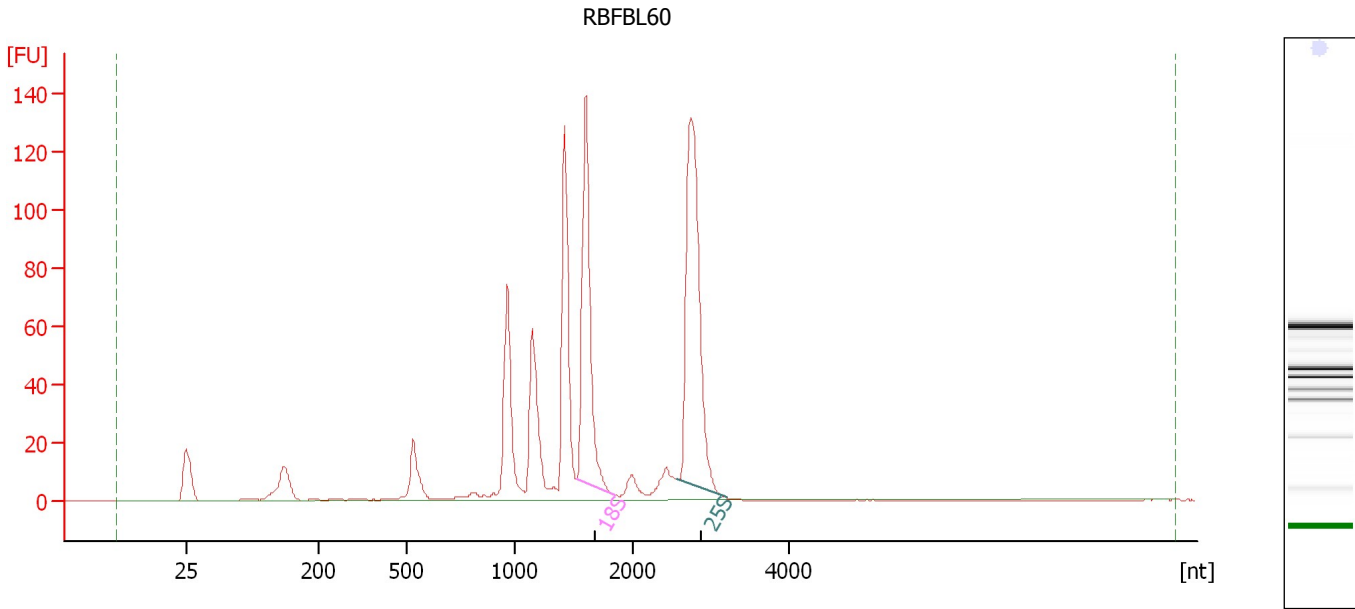
Fragment table for sample 11 : RBFBL59

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,855	134.9	18.9
25S	2,200	3,370	225.3	31.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : RBFBL60

RNA Area:	726.6	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	495 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN: 6.70

Fragment table for sample 12 : RBFBL60

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	1,844	134.7	18.5
25S	2,554	3,183	193.4	26.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_003.xad

Created: 2/5/2019 12:23:43 PM
Modified: 2/5/2019 12:46:47 PM

Gel Image

