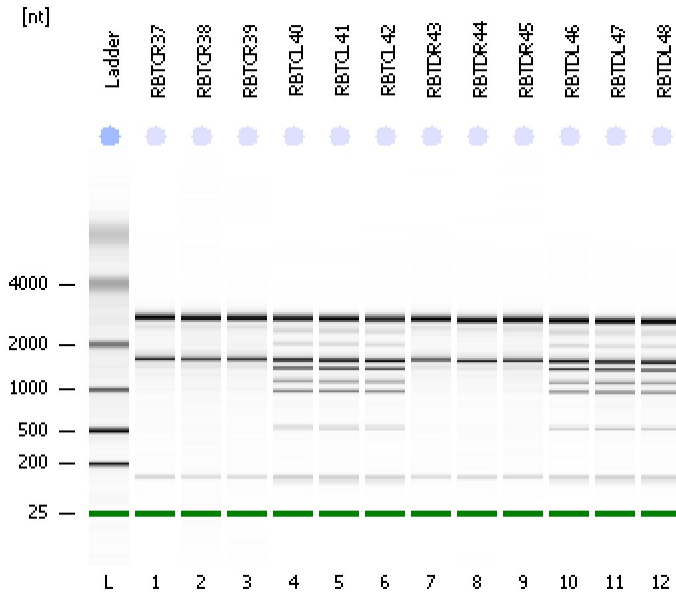


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
Modified: 2/5/2019 12:07:21 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

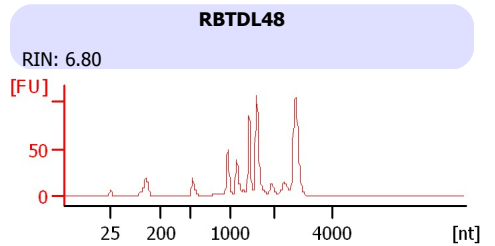
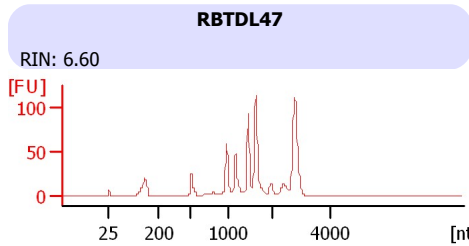
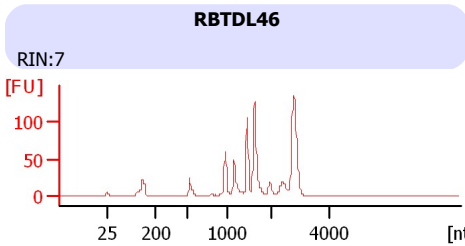
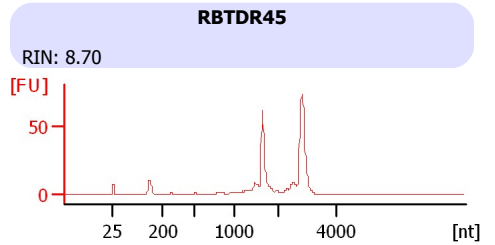
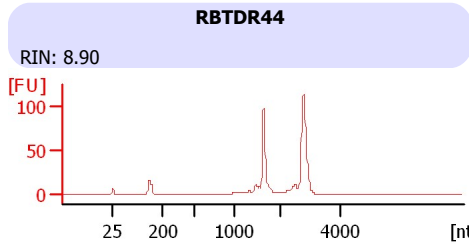
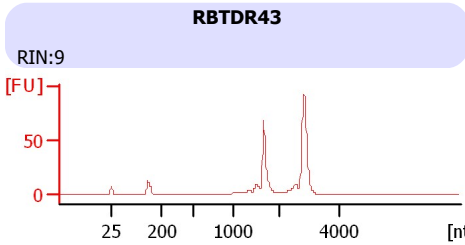
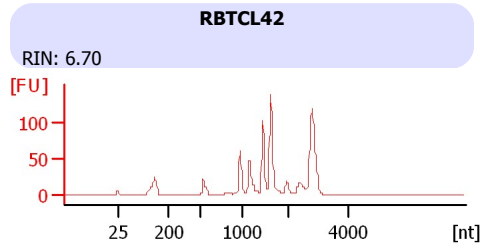
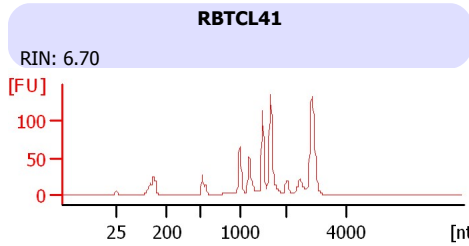
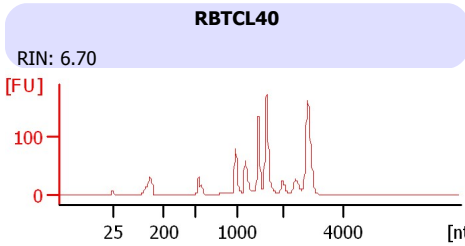
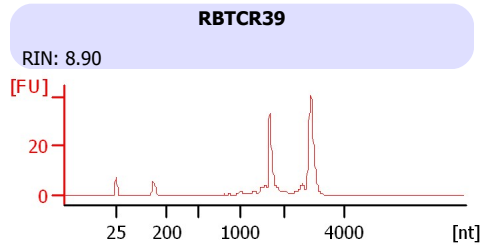
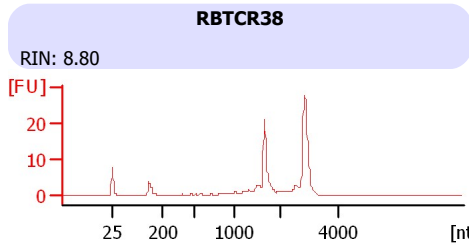
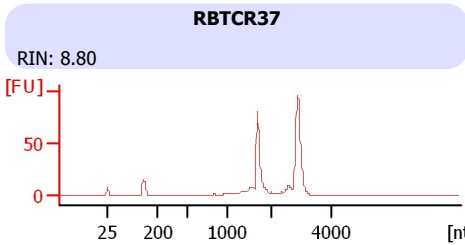
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

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

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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\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
 Modified: 2/5/2019 12:07:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RBTCR37		✓	RIN: 8.80	
RBTCR38		✓	RIN: 8.80	
RBTCR39		✓	RIN: 8.90	
RBTCL40		✓	RIN: 6.70	
RBTCL41		✓	RIN: 6.70	
RBTCL42		✓	RIN: 6.70	
RBTDR43		✓	RIN:9	
RBTDR44		✓	RIN: 8.90	
RBTDR45		✓	RIN: 8.70	
RBTDL46		✓	RIN:7	
RBTDL47		✓	RIN: 6.60	
RBTDL48		✓	RIN: 6.80	
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_002.xad

Created: 2/5/2019 11:43:24 AM
Modified: 2/5/2019 12:07:21 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

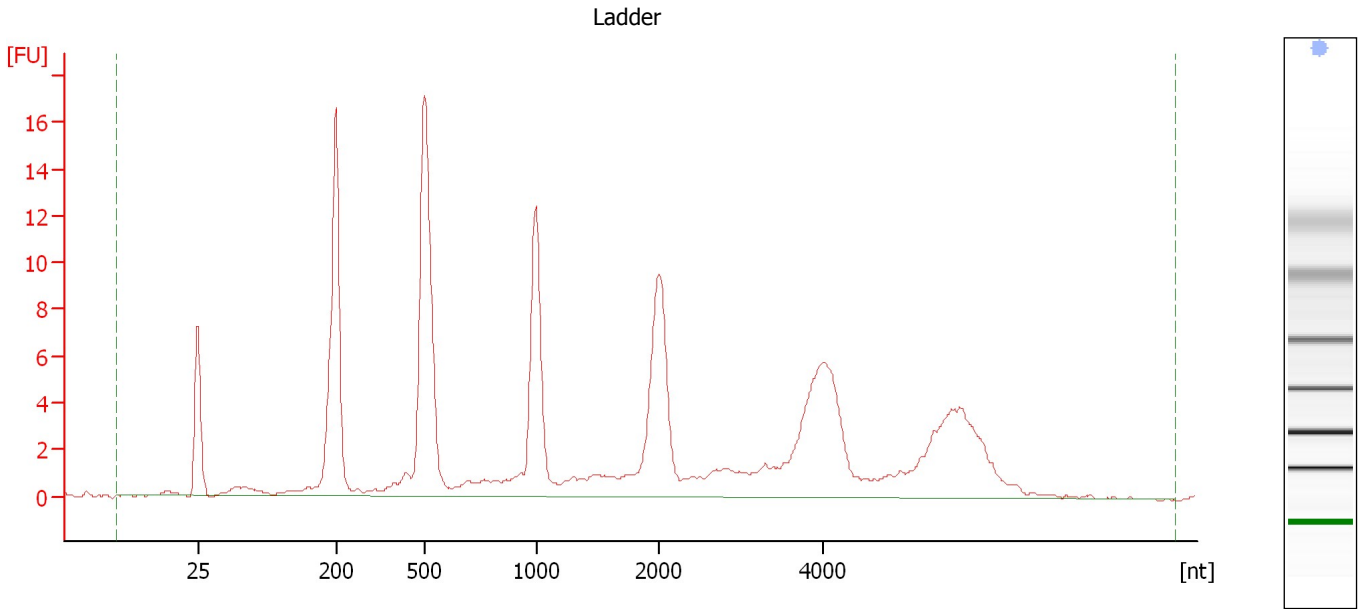
Ladder

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\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary



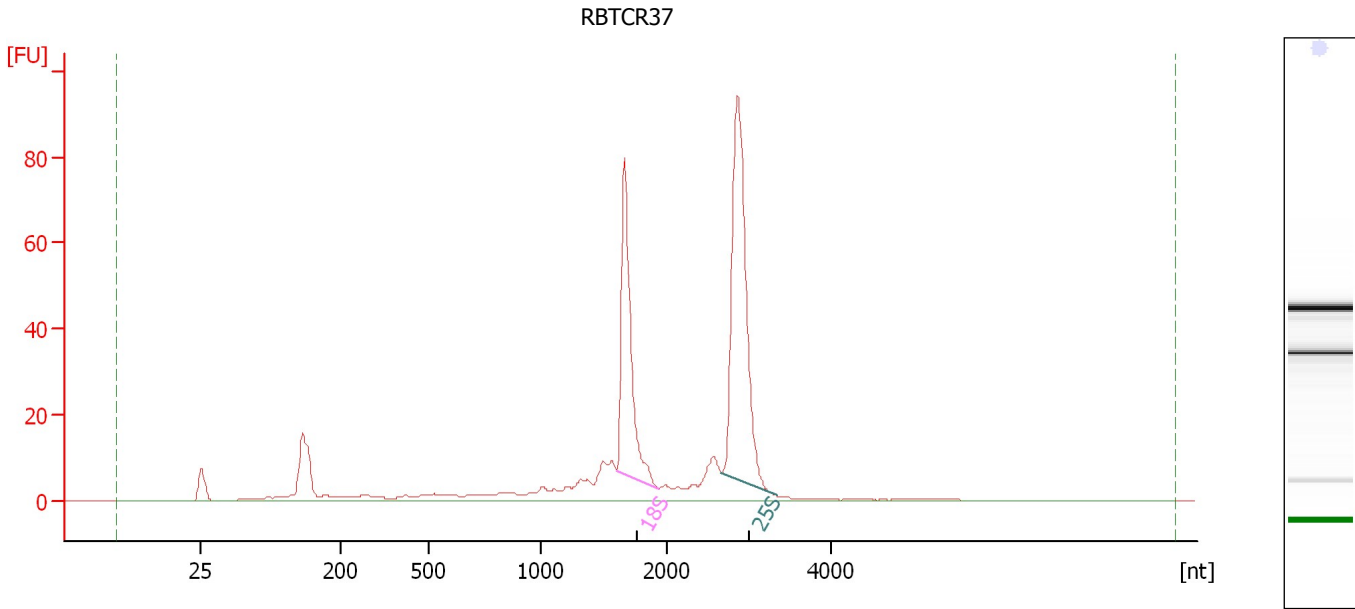
Overall Results for Ladder

RNA Area:	173.6	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_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : RBTCR37

RNA Area: 419.7 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 363 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.7 Result Flagging Label: RIN: 8.80

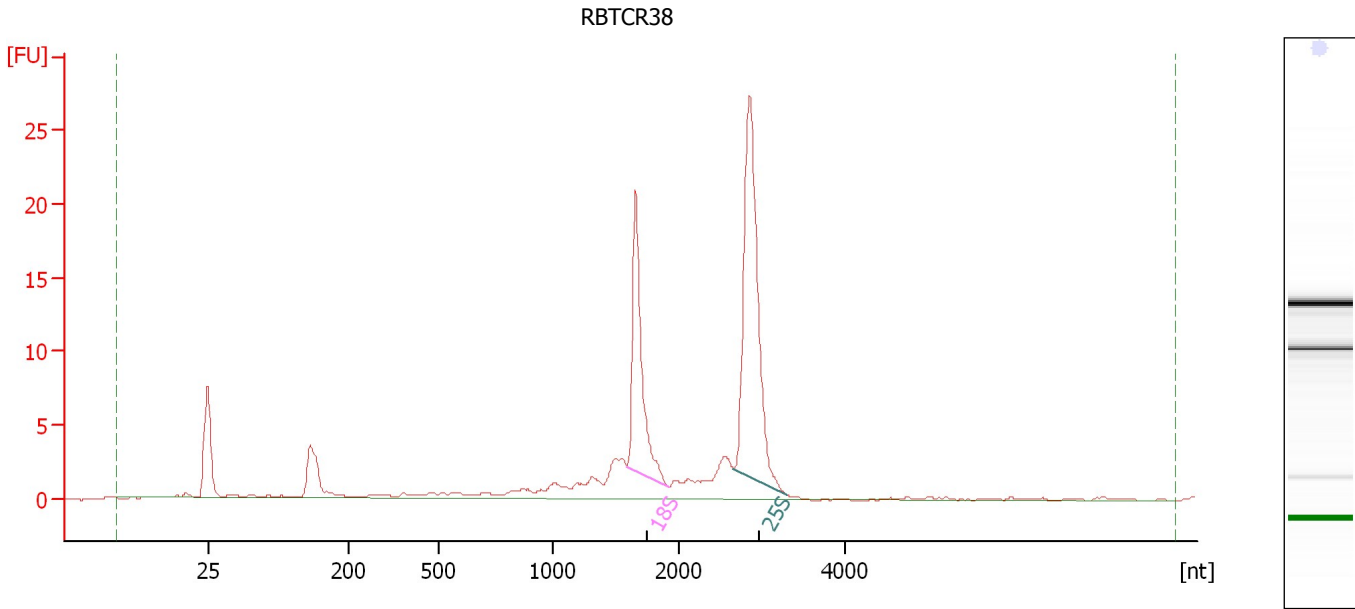
Fragment table for sample 1 : RBTCR37

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,607	1,941	84.4	20.1
25S	2,678	3,340	139.5	33.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : RBTCR38

RNA Area: 115.6 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 100 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.8 Result Flagging Label: RIN: 8.80

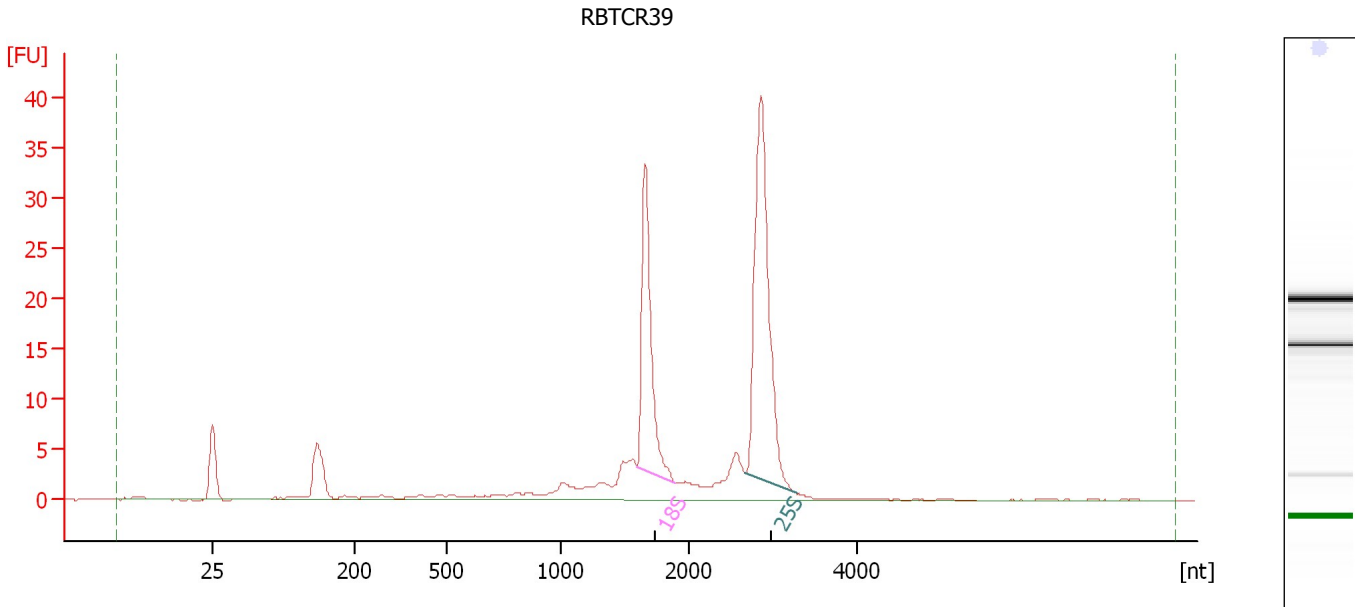
Fragment table for sample 2 : RBTCR38

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	1,920	21.5	18.6
25S	2,662	3,303	39.2	34.0

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : RBTCR39

RNA Area:	168.1	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	145 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.7	Result Flagging Label:	RIN: 8.90

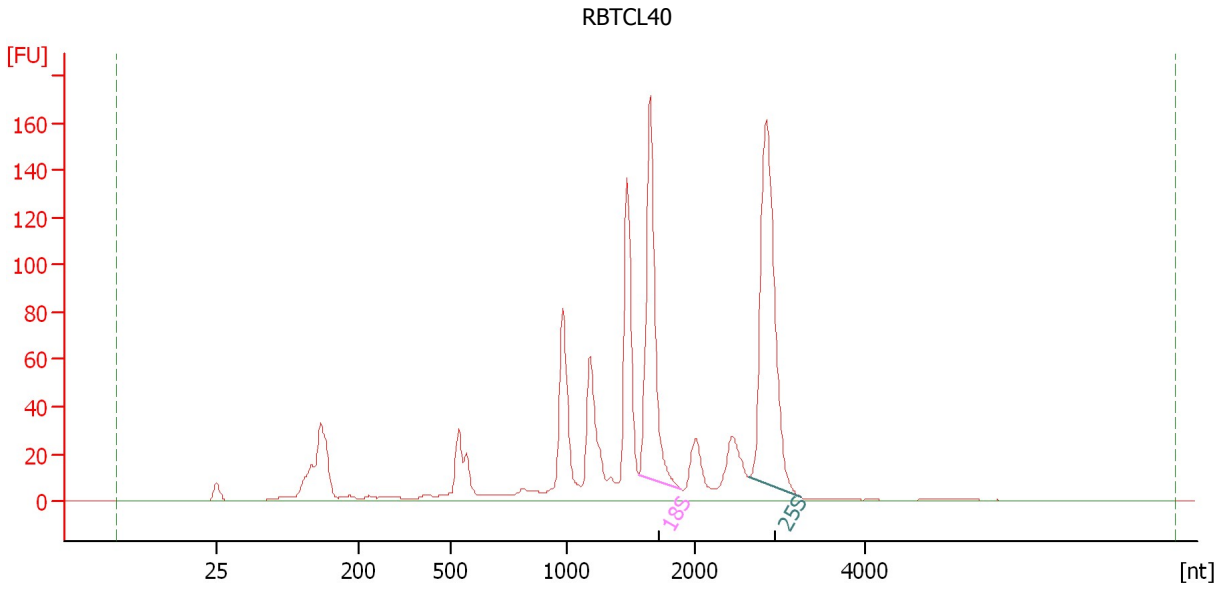
Fragment table for sample 3 : RBTCR39

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,598	1,899	33.1	19.7
25S	2,672	3,282	57.8	34.4

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : RBTCL40

RNA Area:	1,100.5	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	951 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN: 6.70

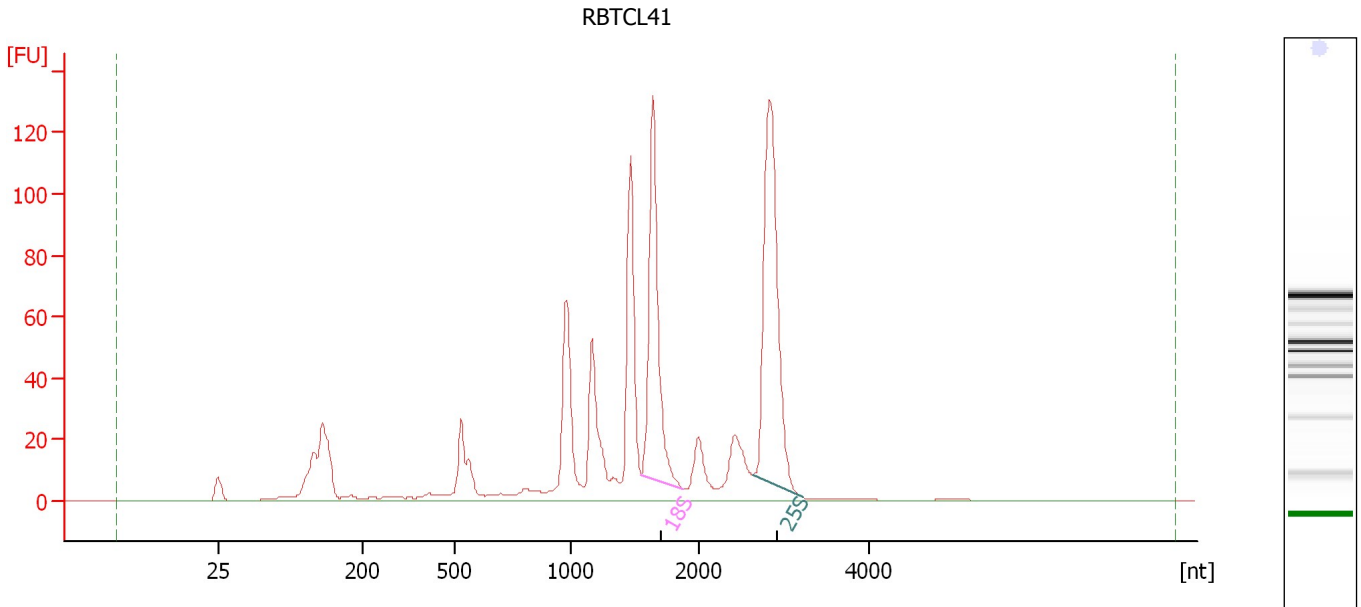
Fragment table for sample 4 : RBTCL40

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,561	1,893	174.3	15.8
25S	2,646	3,264	235.9	21.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : RBTCL41

RNA Area: 860.4 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 744 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.3 Result Flagging Label: RIN: 6.70

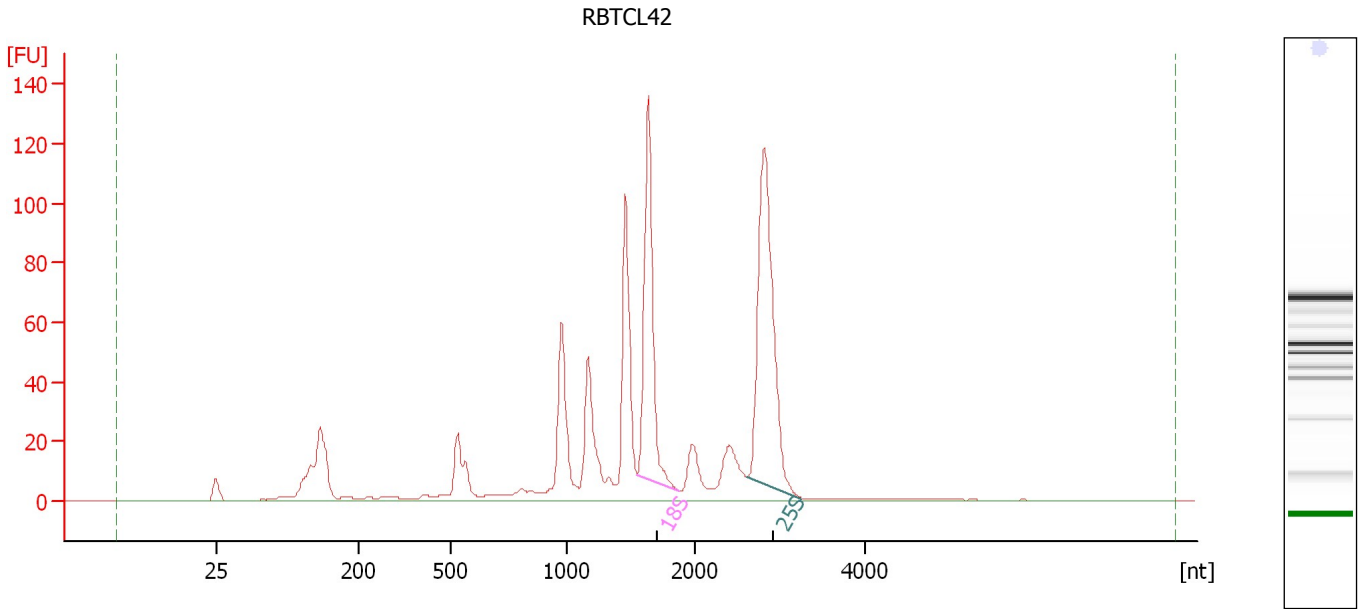
Fragment table for sample 5 : RBTCL41

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,878	138.0	16.0
25S	2,632	3,223	183.8	21.4

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : RBTCL42

RNA Area:	826.1	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	714 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN: 6.70

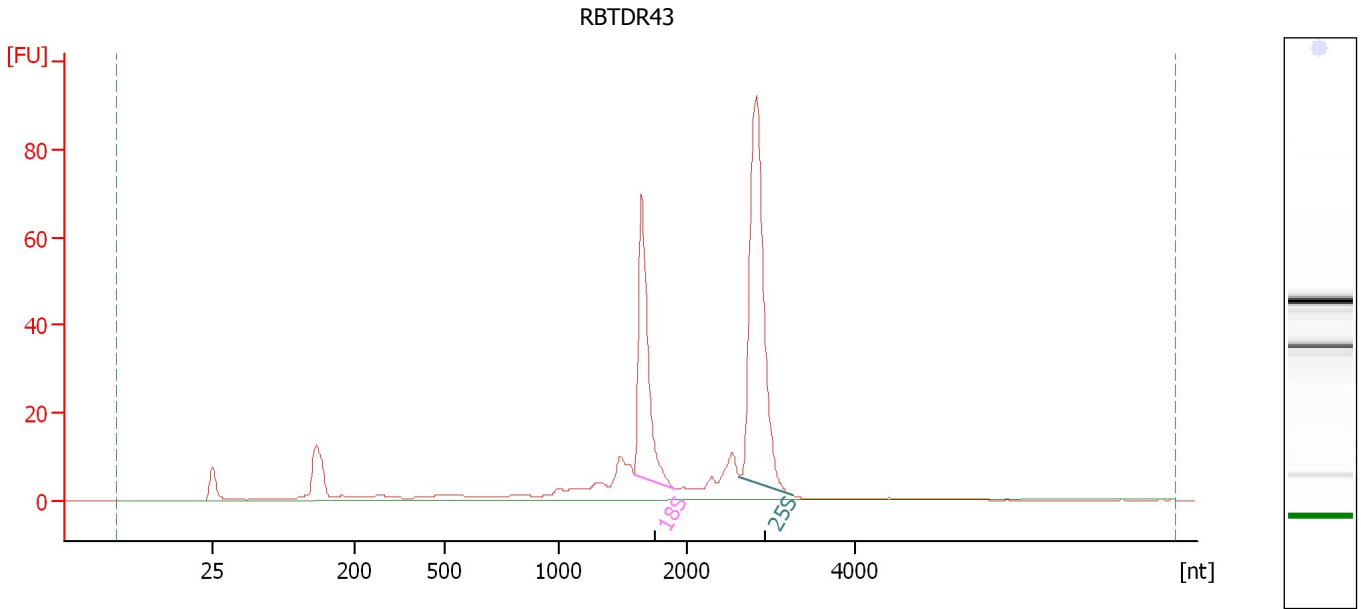
Fragment table for sample 6 : RBTCL42

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,877	127.5	15.4
25S	2,608	3,264	183.6	22.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : RBTDR43

RNA Area:	368.3	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	318 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.8	Result Flagging Label:	RIN:9

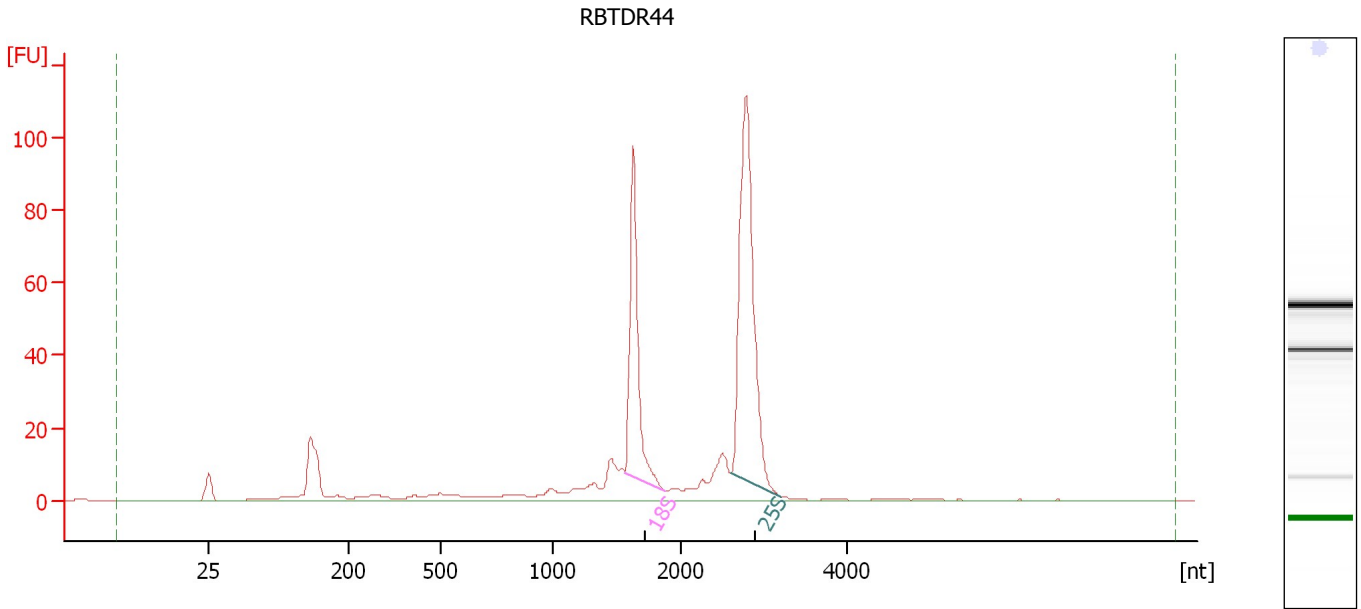
Fragment table for sample 7 : RBTDR43

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,907	72.3	19.6
25S	2,635	3,258	131.4	35.7

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : RBTDR44

RNA Area: 450.2 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 389 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.8 Result Flagging Label: RIN: 8.90

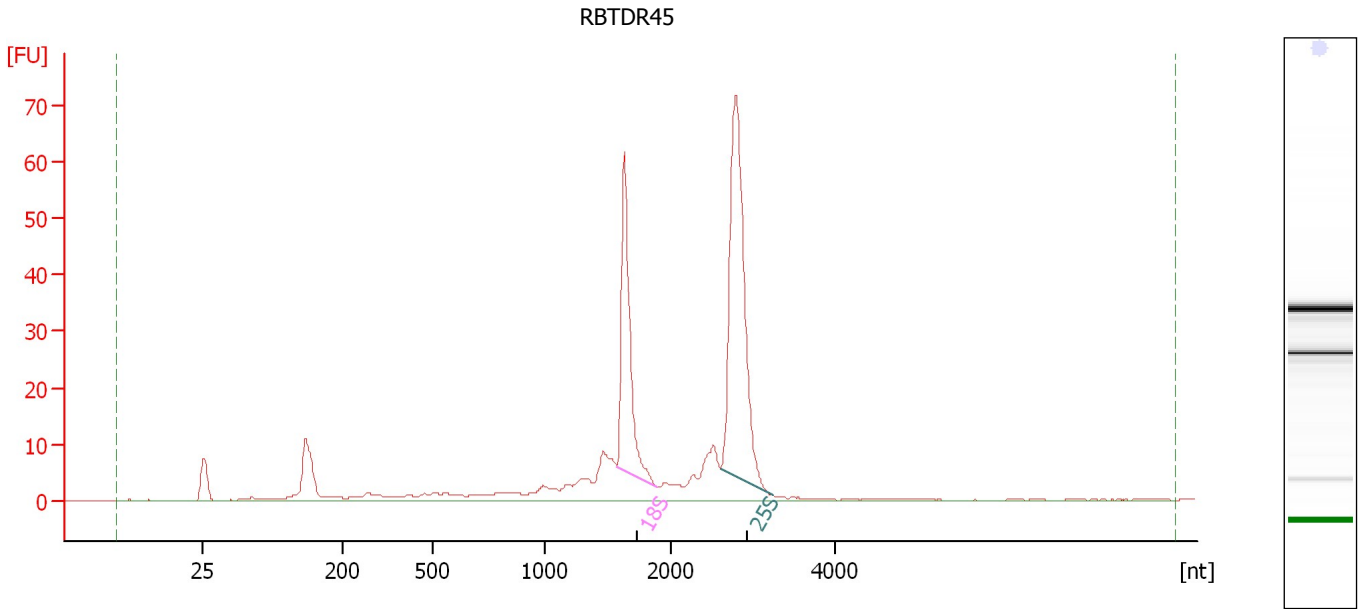
Fragment table for sample 8 : RBTDR44

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	1,879	88.4	19.6
25S	2,598	3,199	159.9	35.5

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : RBTDR45

RNA Area:	315.7	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	273 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.9	Result Flagging Label:	RIN: 8.70

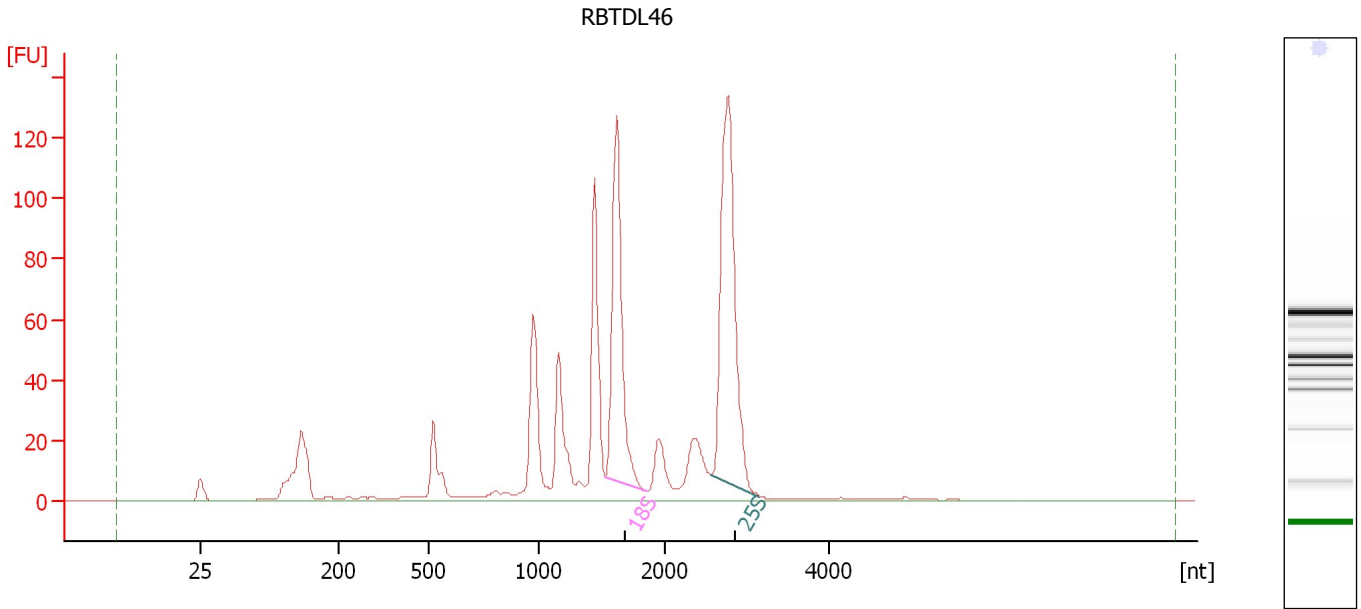
Fragment table for sample 9 : RBTDR45

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	1,900	58.1	18.4
25S	2,612	3,233	108.9	34.5

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : RBTDL46

RNA Area: 819.0 RNA Integrity Number (RIN): 7 (B.02.08)
RNA Concentration: 708 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.4 Result Flagging Label: RIN:7

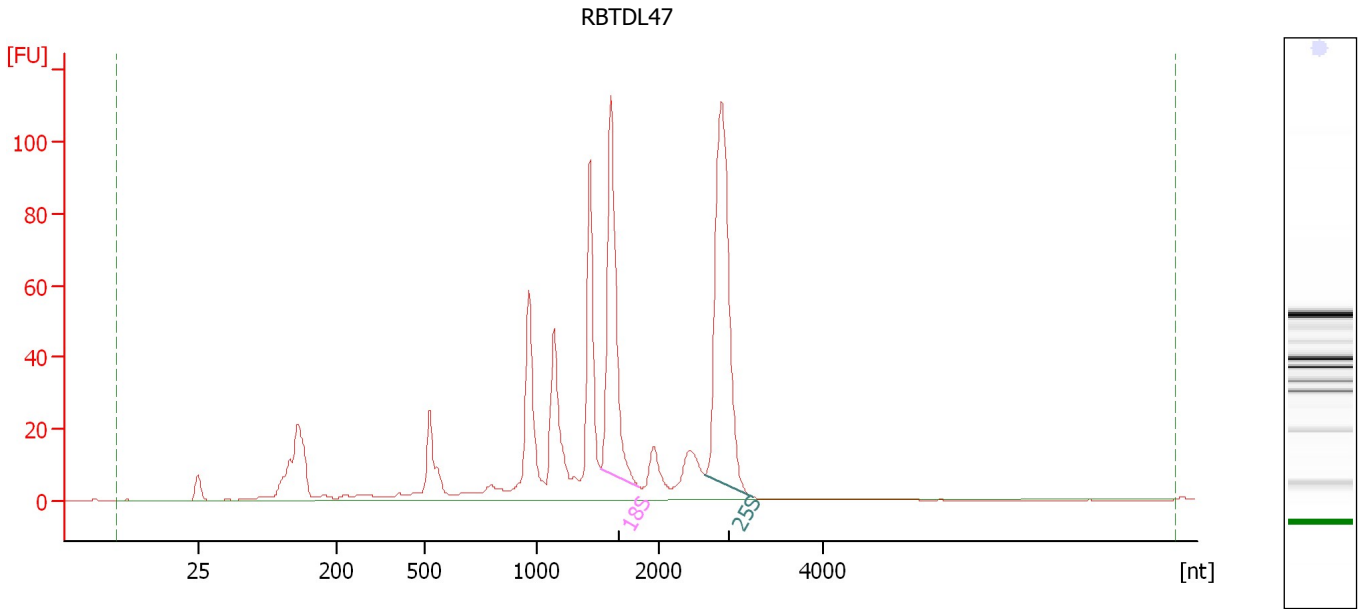
Fragment table for sample 10 : RBTDL46

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,529	1,855	139.4	17.0
25S	2,574	3,160	198.3	24.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
Modified: 2/5/2019 12:07:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : RBTDL47

RNA Area: 747.4 RNA Integrity Number (RIN): 6.6 (B.02.08)
RNA Concentration: 646 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.4 Result Flagging Label: RIN: 6.60

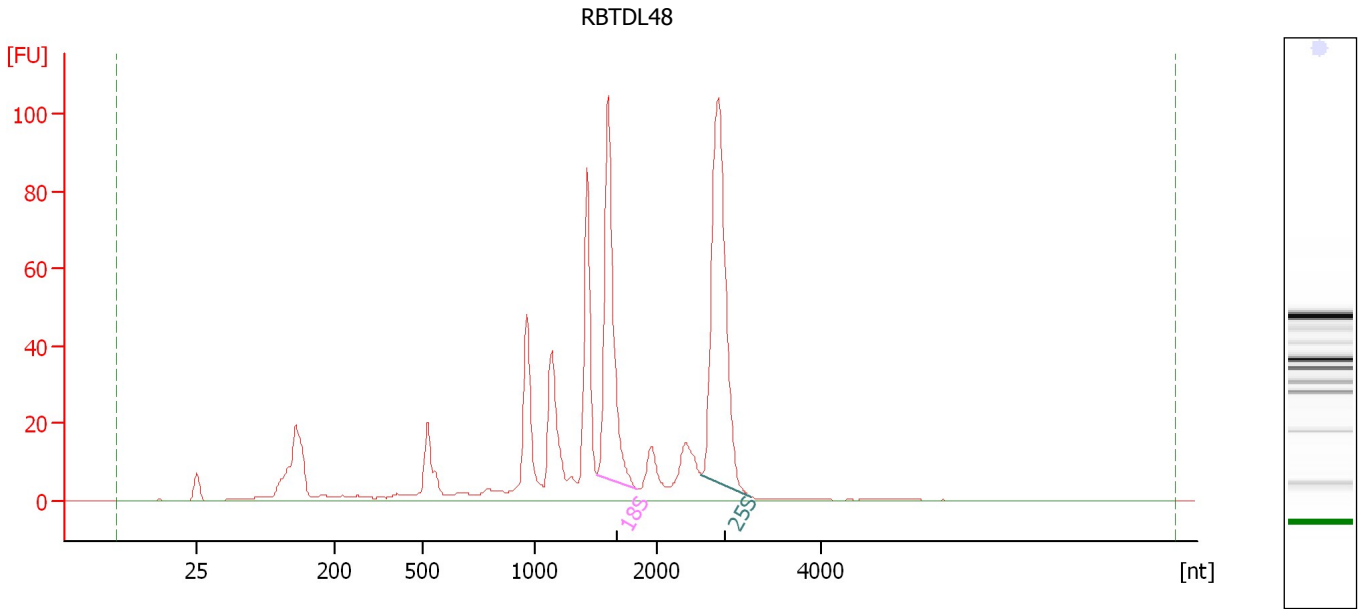
Fragment table for sample 11 : RBTDL47

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	1,836	114.1	15.3
25S	2,562	3,150	163.7	21.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
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Electropherogram Summary Continued ...



Overall Results for sample 12 : RBTDL48

RNA Area: 680.3 RNA Integrity Number (RIN): 6.8 (B.02.08)
RNA Concentration: 588 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.4 Result Flagging Label: RIN: 6.80

Fragment table for sample 12 : RBTDL48

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,506	1,835	113.3	16.7
25S	2,536	3,151	158.1	23.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-05\2019-02-05_002.xad

Created: 2/5/2019 11:43:24 AM
Modified: 2/5/2019 12:07:21 PM

Gel Image

