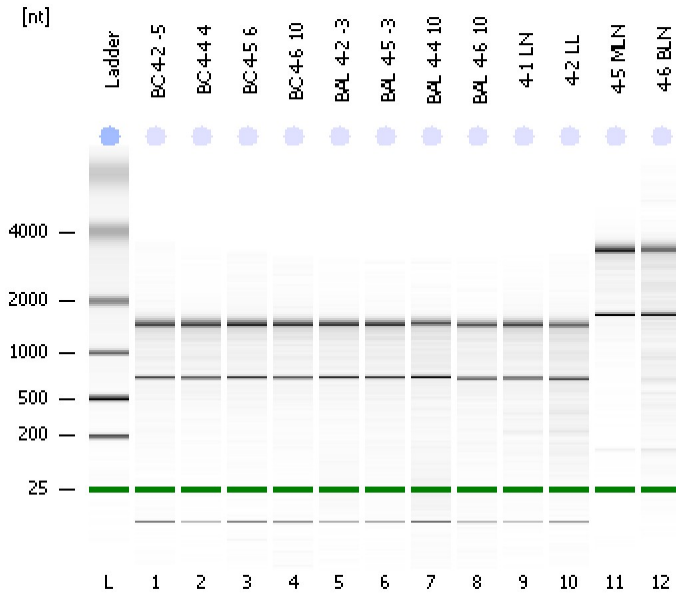


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 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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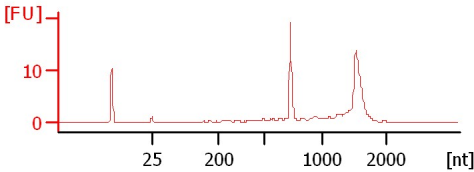
Chip Information:

Chip Lot #:

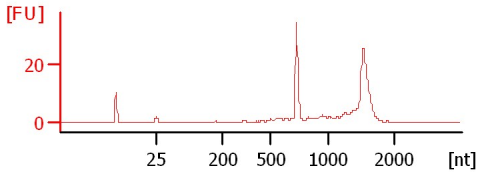
Reagent Kit Lot #:

Chip Comments:

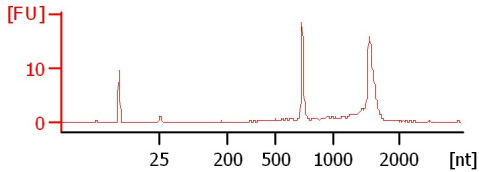
BC 4-2-5
RIN: 6.70



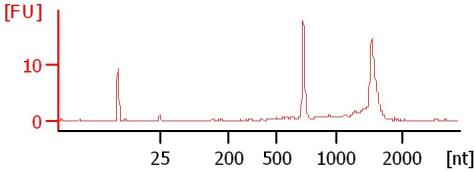
BC 4-4-4
RIN: 6.80



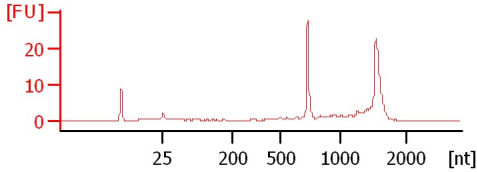
BC 4-5-6
RIN: 6.70



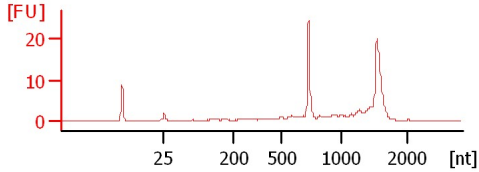
BC 4-6-10
RIN: 6.70



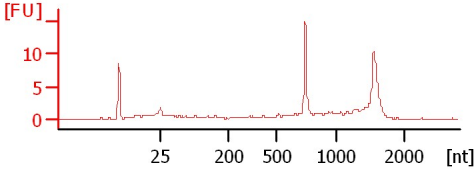
BAL 4-2-3
RIN: 6.50



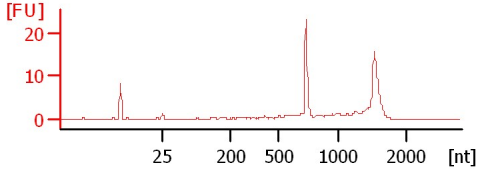
BAL 4-5-3
RIN: 6.40



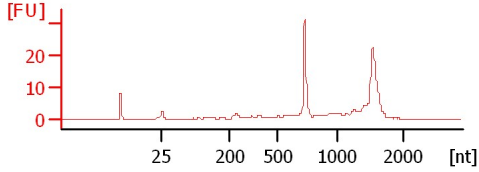
BAL 4-4-10
RIN: 6.10



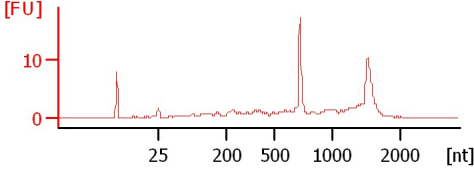
BAL 4-6-10
RIN: 6



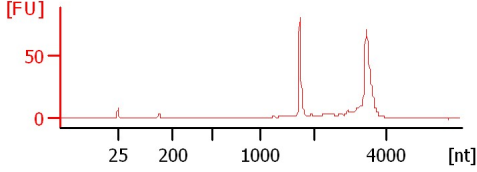
4-1 LN
RIN: 6.20



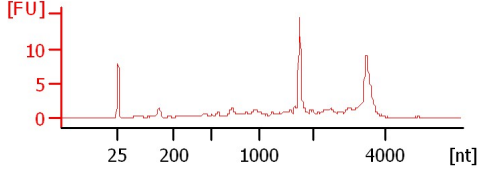
4-2 LL
RIN: 5.60



4-5 MLN
RIN: 7.30



4-6 BLN
RIN: 6.70



Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
 Modified: 1/10/2019 12:33:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
BC 4-2 -5		✓	RIN: 6.70	
BC 4-4 4		✓	RIN: 6.80	
BC 4-5 6		✓	RIN: 6.70	
BC 4-6 10		✓	RIN: 6.70	
BAL 4-2 -3		✓	RIN: 6.50	
BAL 4-5 -3		✓	RIN: 6.40	
BAL 4-4 10		✓	RIN: 6.10	
BAL 4-6 10		✓	RIN:6	
4-1 LN		✓	RIN: 6.20	
4-2 LL		✓	RIN: 5.60	
4-5 MLN		✓	RIN: 7.30	
4-6 BLN		✓	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\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 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

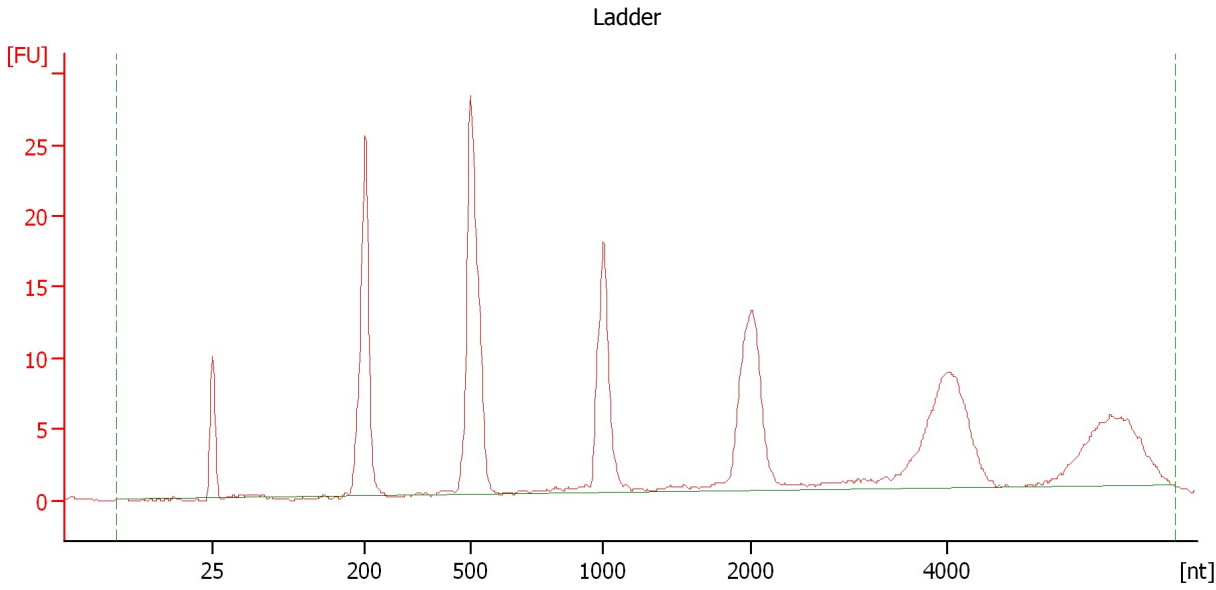
Ladder

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\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary



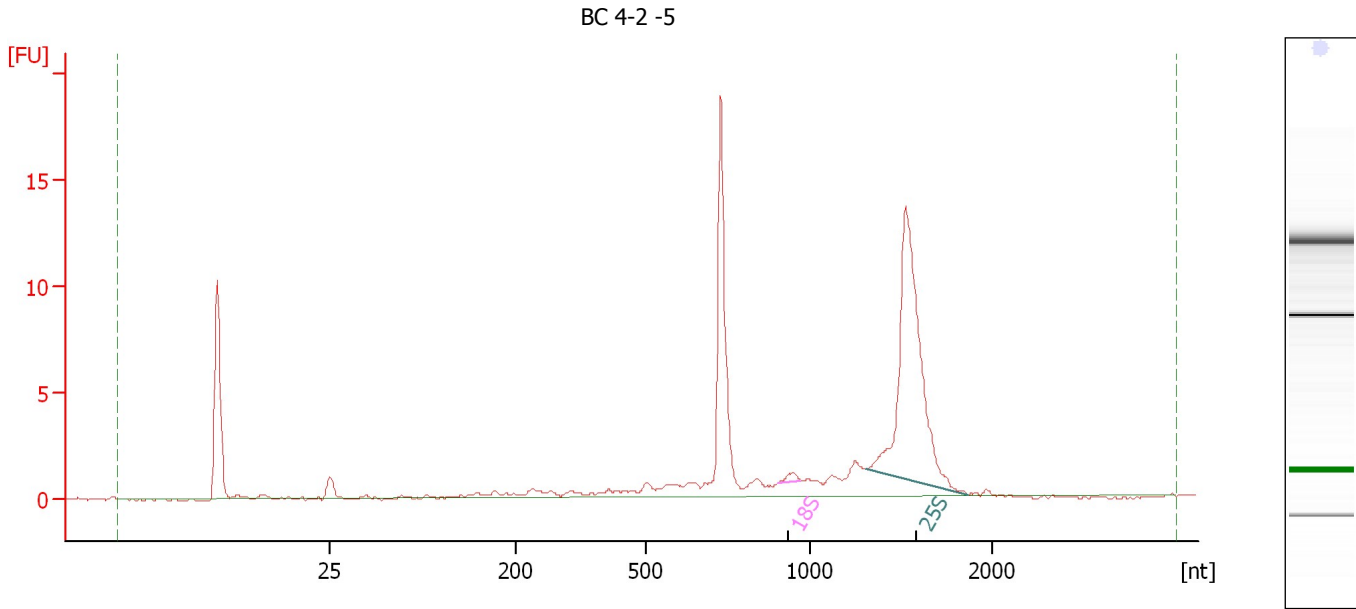
Overall Results for Ladder

RNA Area:	208.7	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\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : BC 4-2 -5

RNA Area:	78.0	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	56 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	50.5	Result Flagging Label:	RIN: 6.70

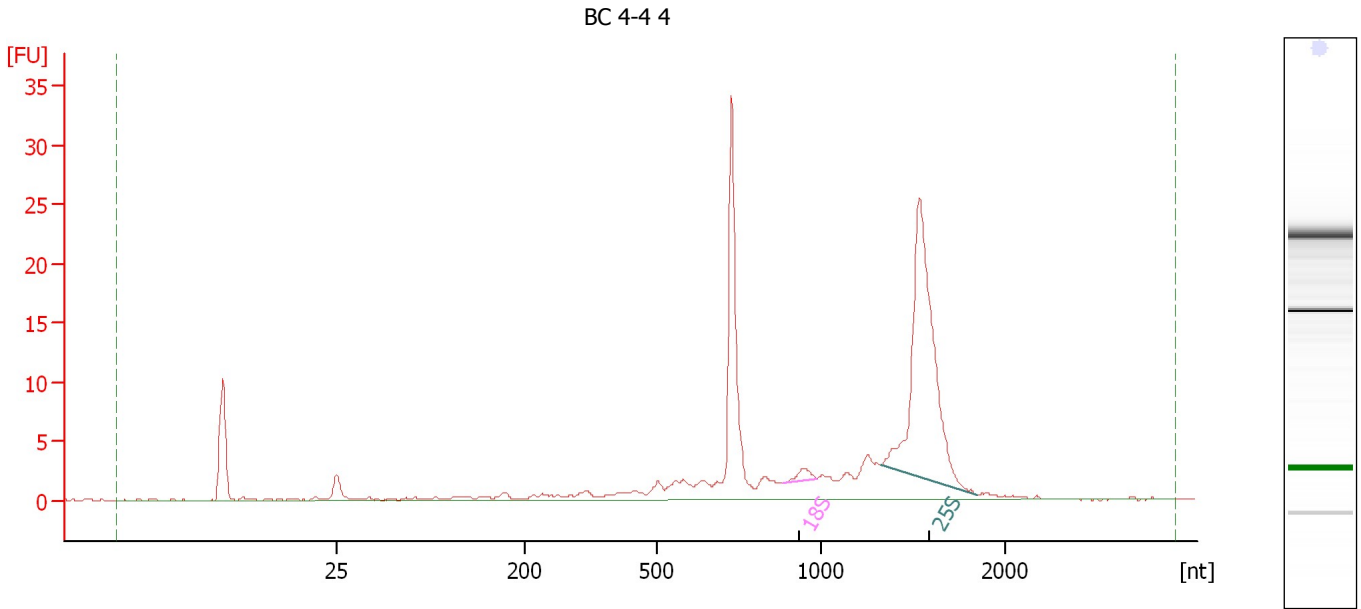
Fragment table for sample 1 : BC 4-2 -5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	901	974	0.5	0.7
25S	1,311	1,868	25.7	33.0

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BC 4-4 4

RNA Area:	151.8	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	109 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	33.2	Result Flagging Label:	RIN: 6.80

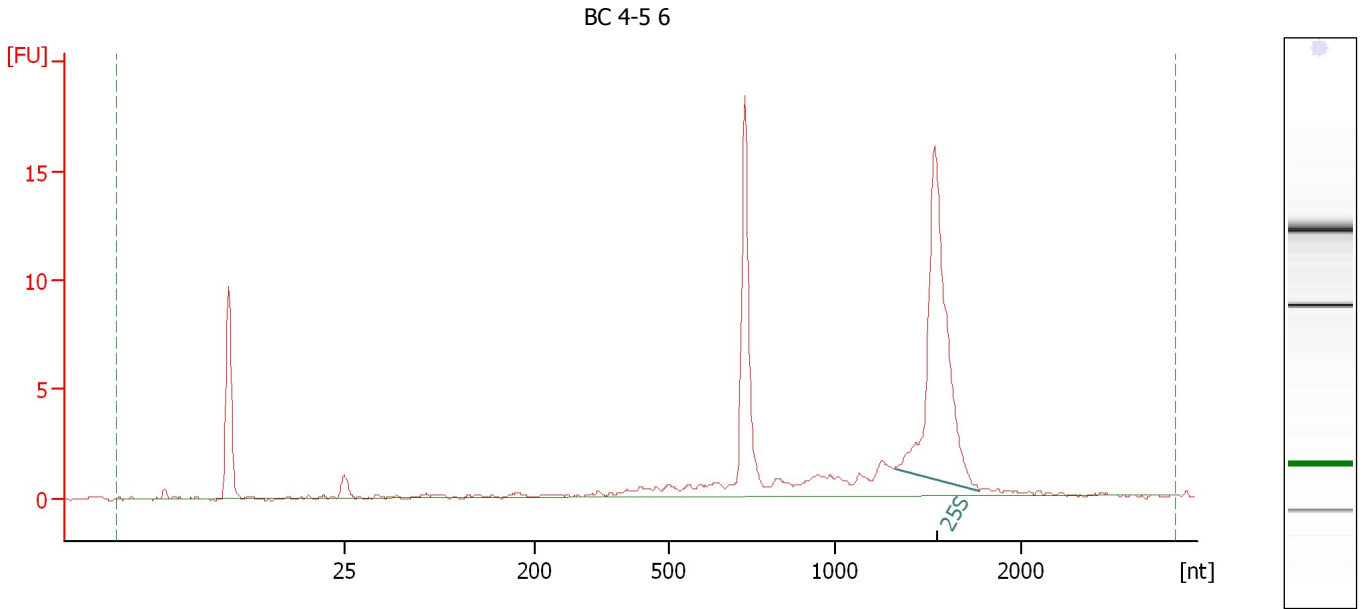
Fragment table for sample 2 : BC 4-4 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	882	989	1.4	0.9
25S	1,323	1,838	46.9	30.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : BC 4-5 6

RNA Area:	76.8	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 6.70

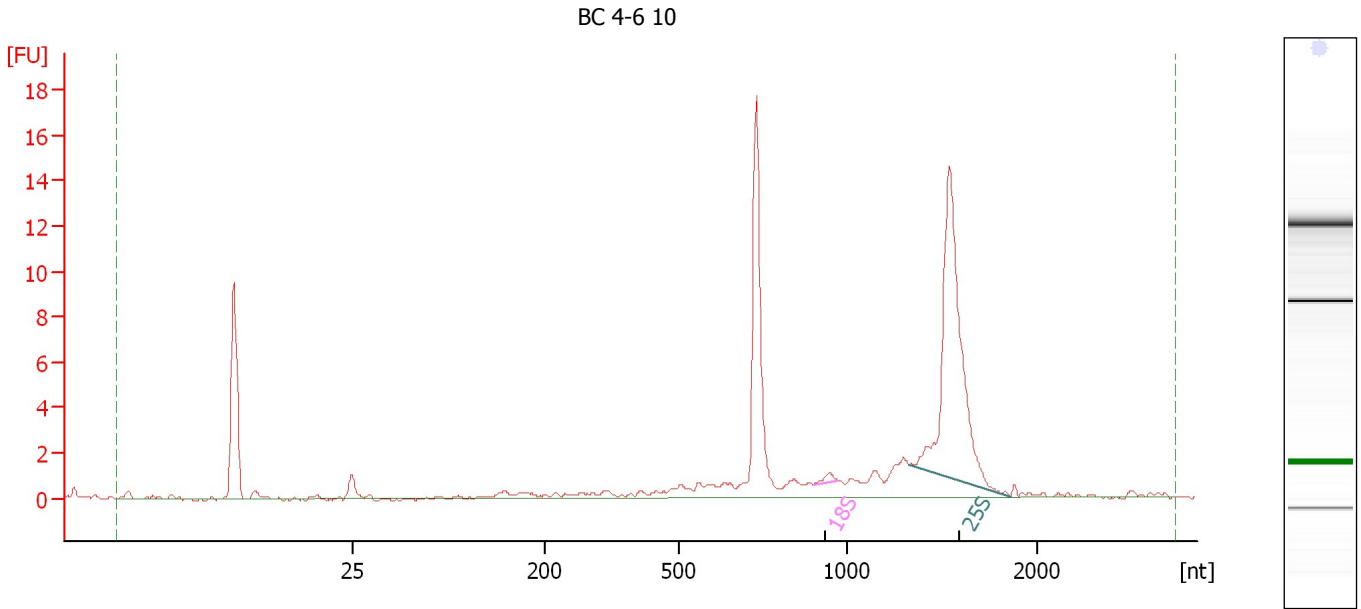
Fragment table for sample 3 : BC 4-5 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	1,323	1,775	26.2	34.1

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : BC 4-6 10

RNA Area: 74.9 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 54 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 59.8 Result Flagging Label: RIN: 6.70

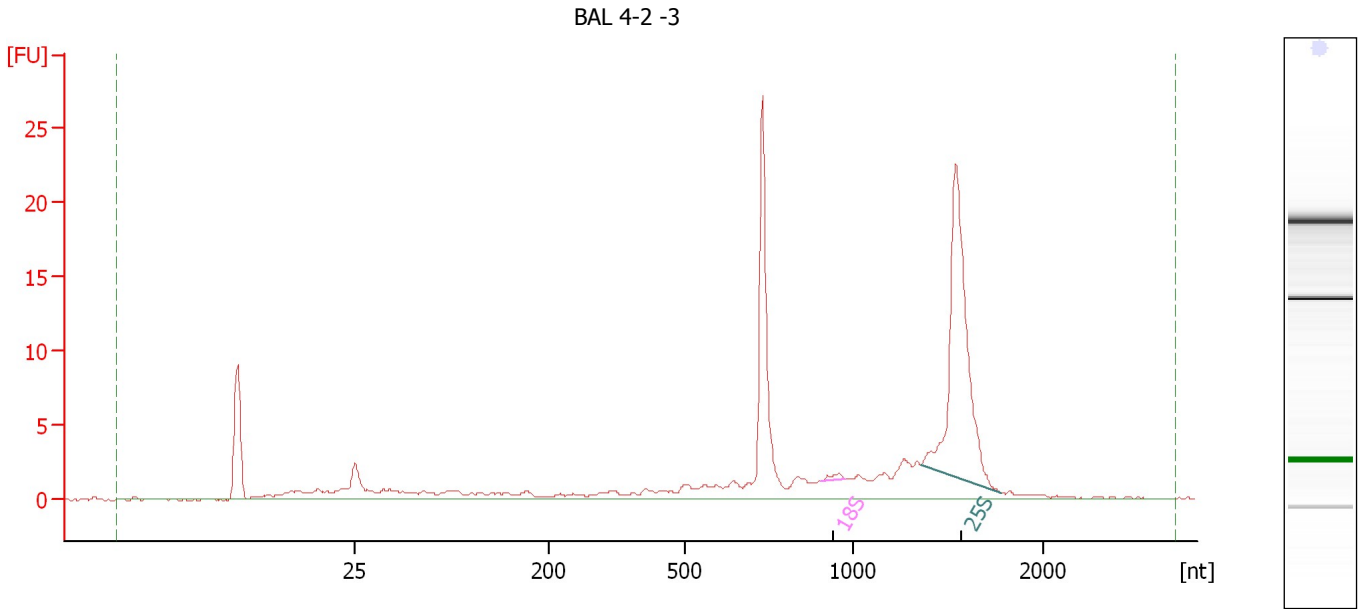
Fragment table for sample 4 : BC 4-6 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	898	968	0.4	0.5
25S	1,329	1,861	22.7	30.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BAL 4-2 -3

RNA Area: 121.4 RNA Integrity Number (RIN): 6.5 (B.02.08)
RNA Concentration: 87 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 61.7 Result Flagging Label: RIN: 6.50

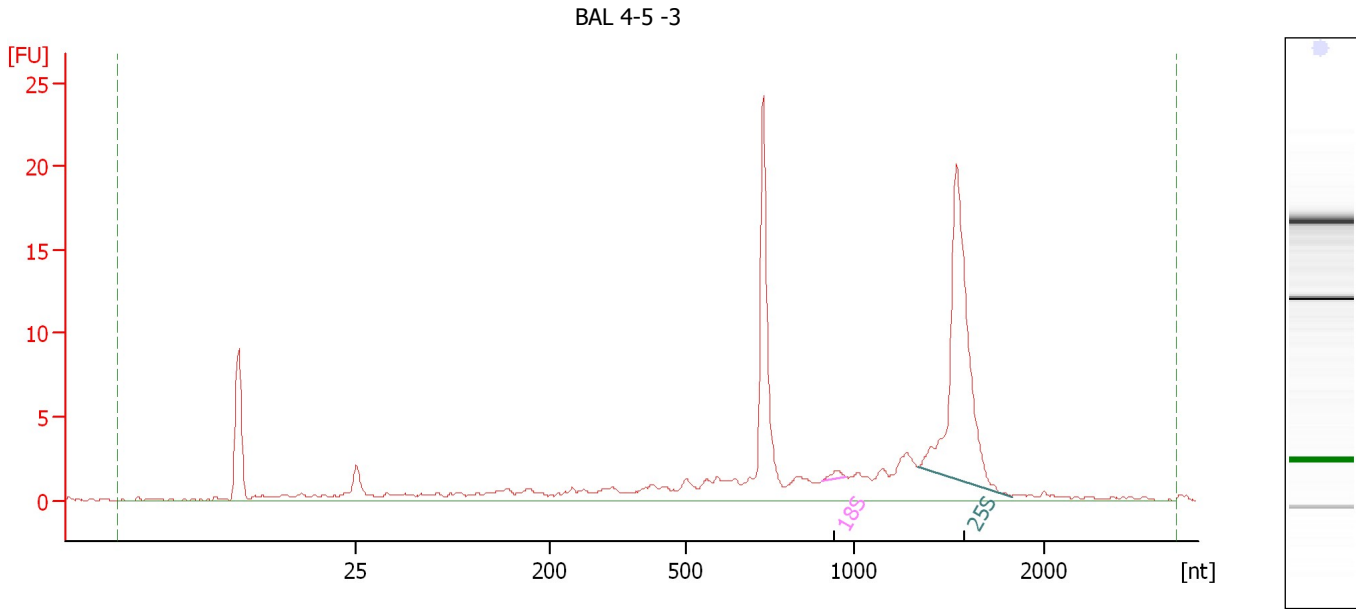
Fragment table for sample 5 : BAL 4-2 -3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	904	974	0.5	0.4
25S	1,354	1,776	32.8	27.0

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : BAL 4-5 -3

RNA Area: 126.4 RNA Integrity Number (RIN): 6.4 (B.02.08)
RNA Concentration: 91 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 60.7 Result Flagging Label: RIN: 6.40

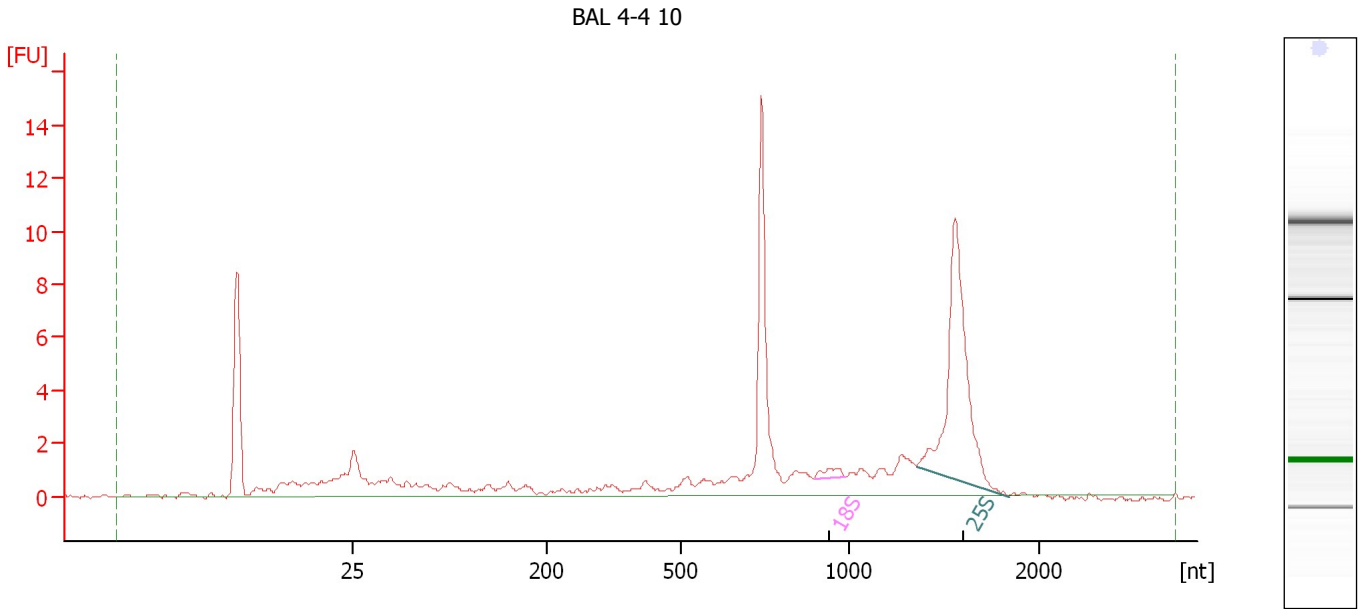
Fragment table for sample 6 : BAL 4-5 -3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	904	977	0.5	0.4
25S	1,337	1,827	30.6	24.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BAL 4-4 10

RNA Area: 72.7 RNA Integrity Number (RIN): 6.1 (B.02.08)
RNA Concentration: 52 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 24.0 Result Flagging Label: RIN: 6.10

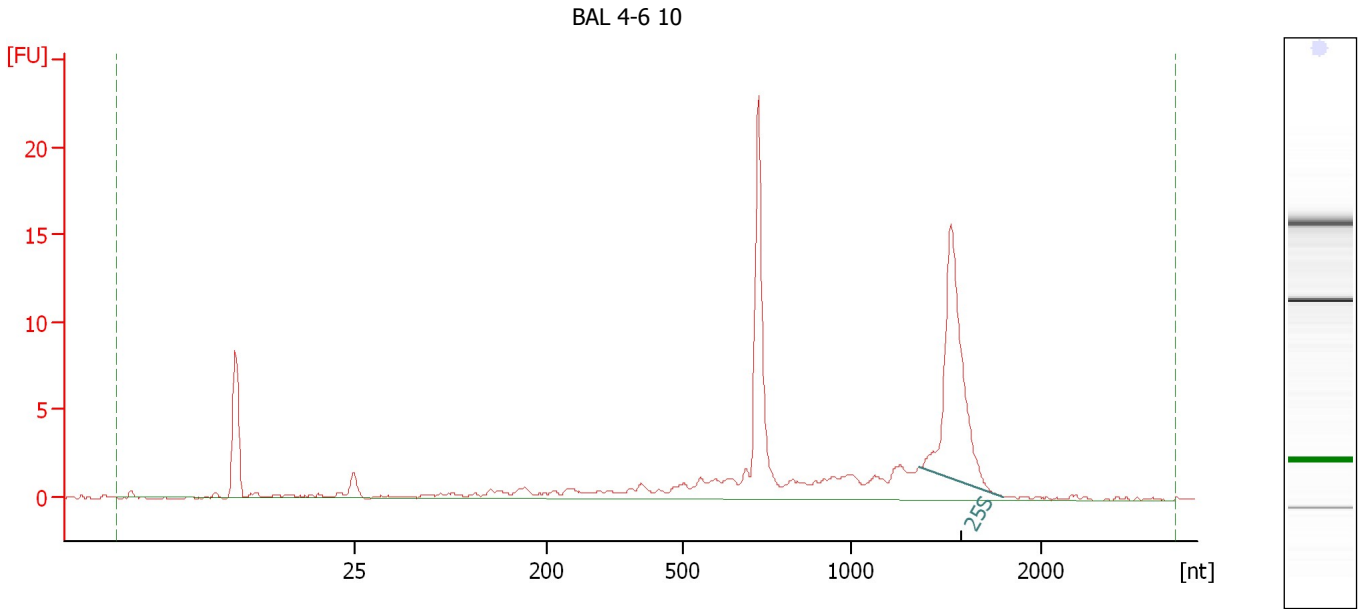
Fragment table for sample 7 : BAL 4-4 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	896	985	0.7	0.9
25S	1,352	1,838	16.6	22.8

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BAL 4-6 10

RNA Area: 96.9 RNA Integrity Number (RIN): 6 (B.02.08)
RNA Concentration: 70 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 0.0 Result Flagging Label: RIN:6

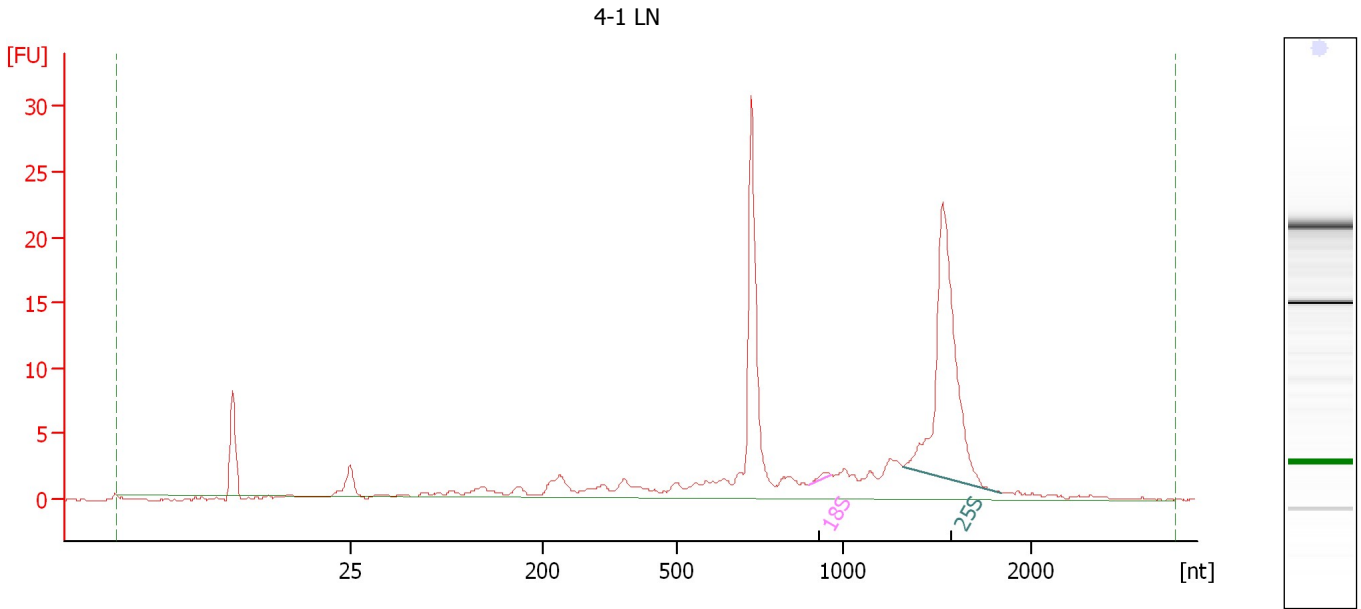
Fragment table for sample 8 : BAL 4-6 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	1,359	1,799	23.2	23.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4-1 LN

RNA Area: 129.5 RNA Integrity Number (RIN): 6.2 (B.02.08)
RNA Concentration: 93 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 92.1 Result Flagging Label: RIN: 6.20

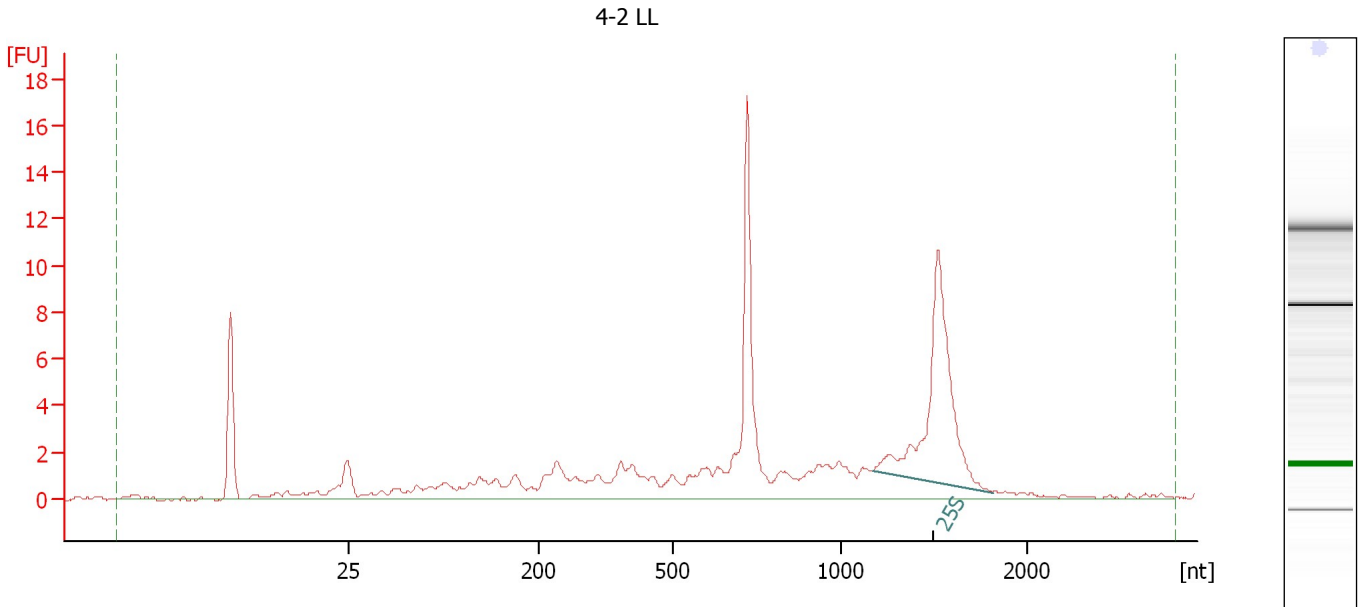
Fragment table for sample 9 : 4-1 LN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	897	963	0.4	0.3
25S	1,310	1,833	37.1	28.6

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
 Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 4-2 LL

RNA Area:	101.9	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	73 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 5.60

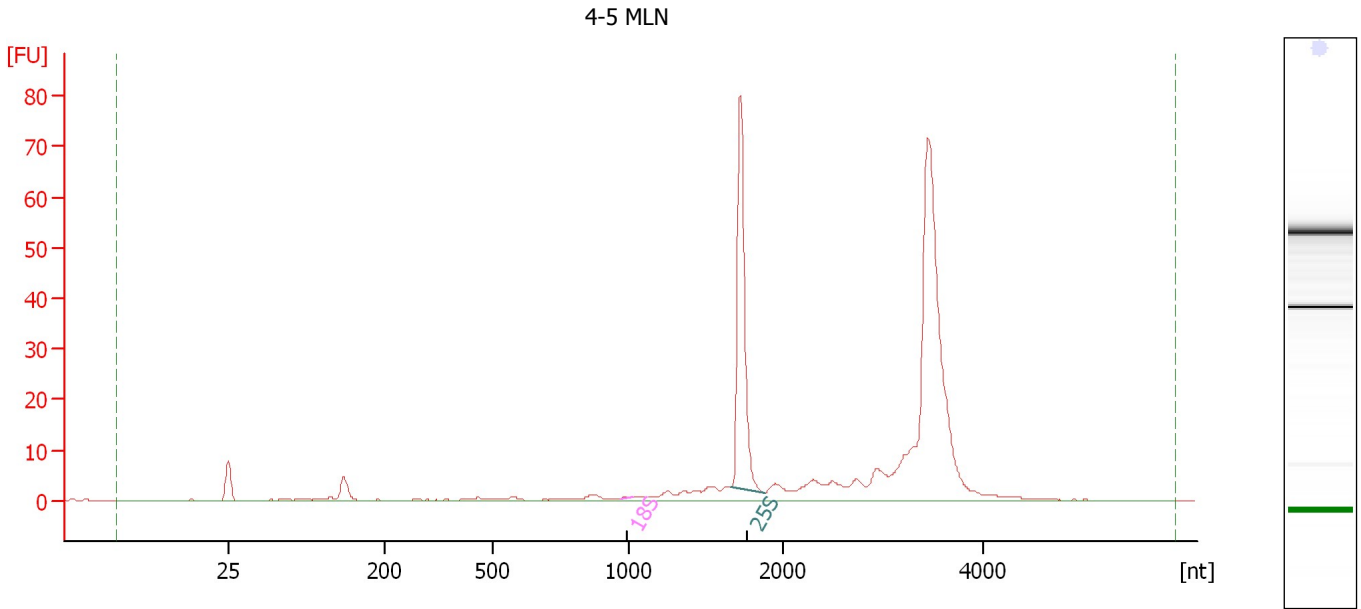
Fragment table for sample 10 : 4-2 LL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	1,172	1,810	20.6	20.2

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 4-5 MLN

RNA Area: 282.2 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 203 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 248.6 Result Flagging Label: RIN: 7.30

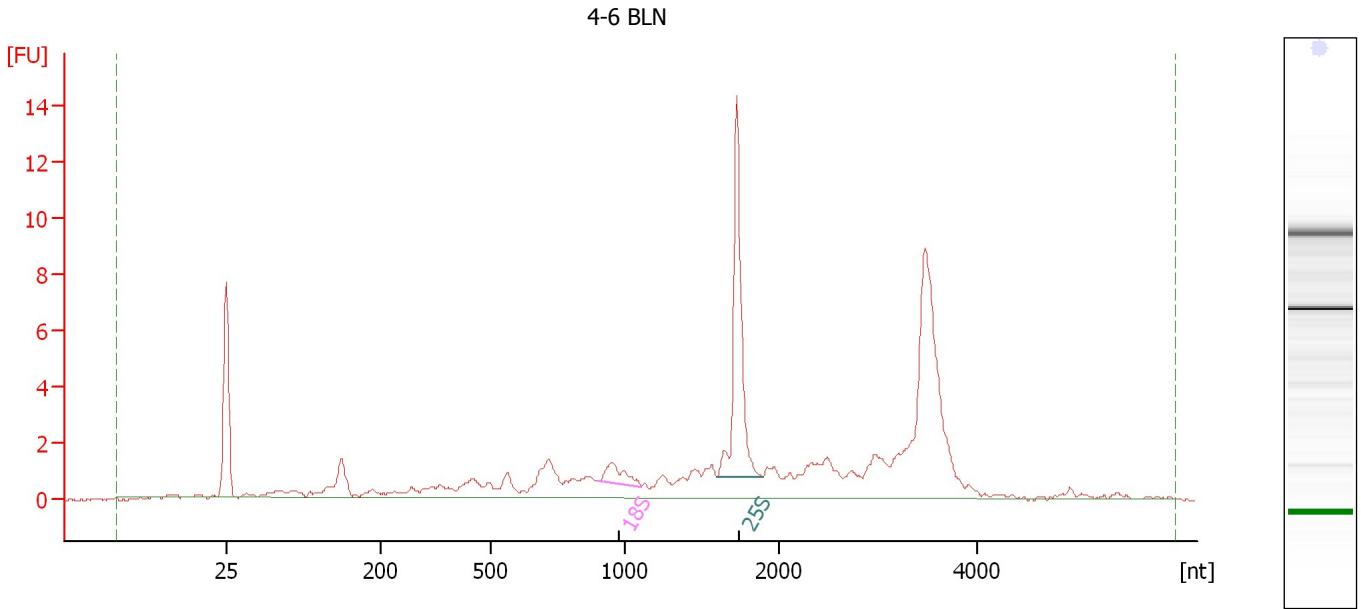
Fragment table for sample 11 : 4-5 MLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	970	1,023	0.2	0.1
25S	1,666	1,883	59.1	20.9

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 4-6 BLN

RNA Area: 76.0 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 55 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 6.8 Result Flagging Label: RIN: 6.70

Fragment table for sample 12 : 4-6 BLN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	901	1,104	1.7	2.2
25S	1,602	1,897	11.6	15.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-10\2019-01-10_001.xad

Created: 1/10/2019 12:09:49 PM
Modified: 1/10/2019 12:33:36 PM

Gel Image

