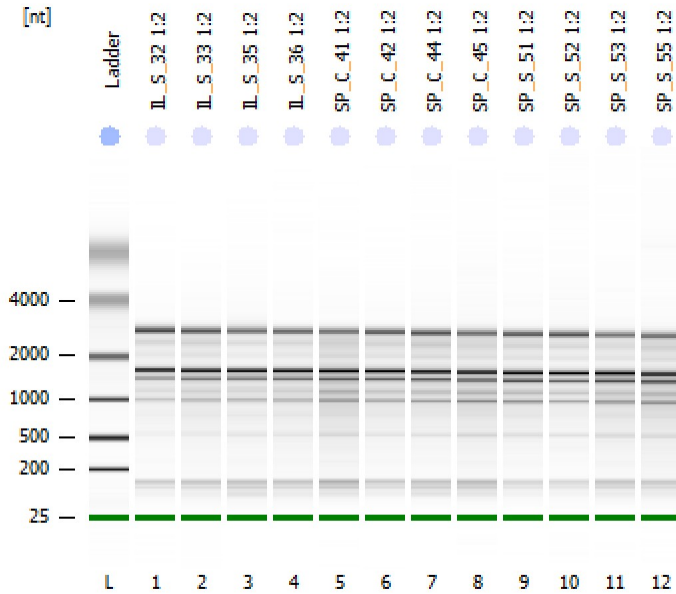


Assay Class: Plant RNA Nano
Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
Modified: 3/2/2023 5:25:29 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 (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

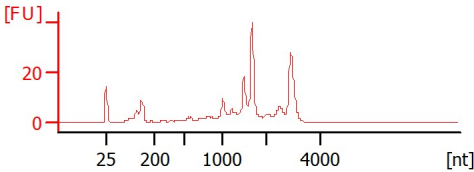
Assay Class: Plant RNA Nano
Version: 1.3
Assay Comments: Total RNA Analysis ng sensitivity (Plant)

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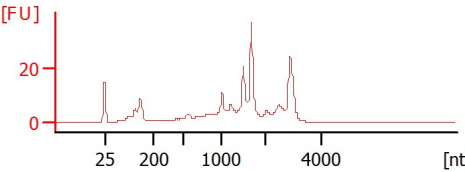
Chip Information:

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

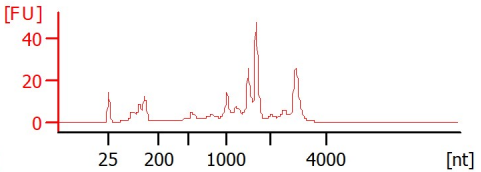
IL_S_32 1:2
RIN: 6.90



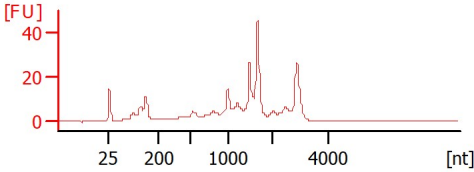
IL_S_33 1:2
RIN: 6.50



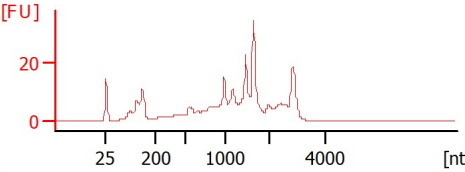
IL_S_35 1:2
RIN: 6.40



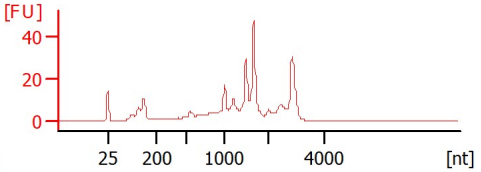
IL_S_36 1:2
RIN: 6.30



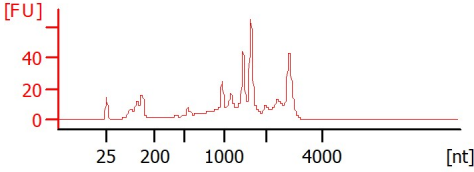
SP_C_41 1:2
RIN: 5.80



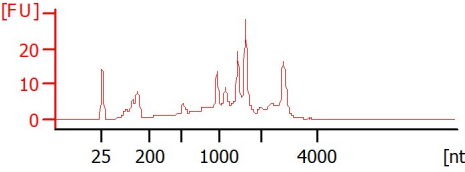
SP_C_42 1:2
RIN: 6.30



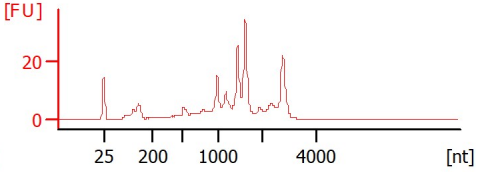
SP_C_44 1:2
RIN: 6.20



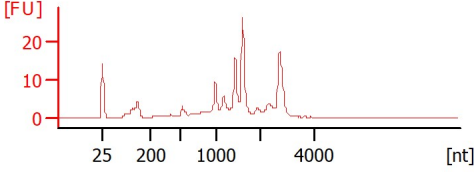
SP_C_45 1:2
RIN: 6



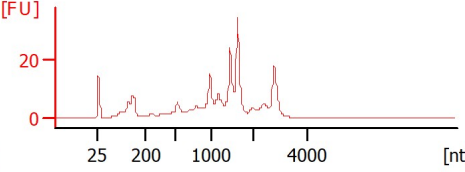
SP_S_51 1:2
RIN: 6.30



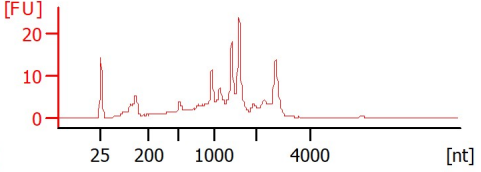
SP_S_52 1:2
RIN: 6.70



SP_S_53 1:2
RIN: 6



SP_S_55 1:2
RIN: 6



Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
IL_S_32 1:2		✓	RIN: 6.90	
IL_S_33 1:2		✓	RIN: 6.50	
IL_S_35 1:2		✓	RIN: 6.40	
IL_S_36 1:2		✓	RIN: 6.30	
SP_C_41 1:2		✓	RIN: 5.80	
SP_C_42 1:2		✓	RIN: 6.30	
SP_C_44 1:2		✓	RIN: 6.20	
SP_C_45 1:2		✓	RIN:6	
SP_S_51 1:2		✓	RIN: 6.30	
SP_S_52 1:2		✓	RIN: 6.70	
SP_S_53 1:2		✓	RIN:6	
SP_S_55 1:2		✓	RIN:6	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 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

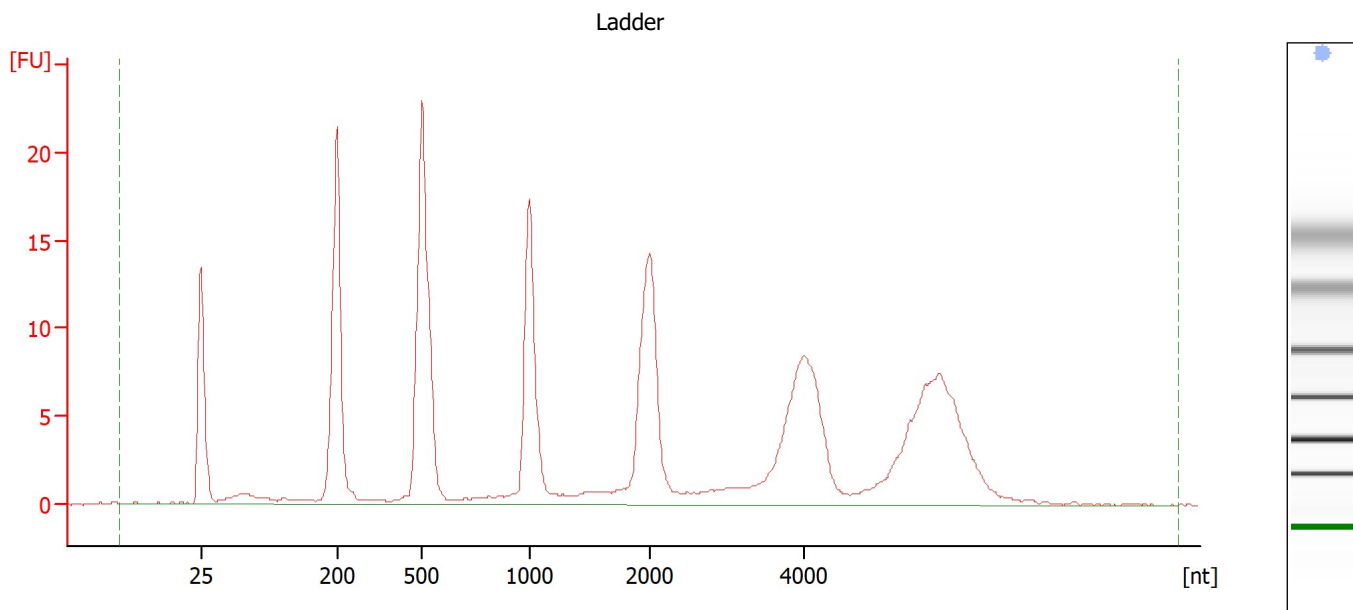
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary



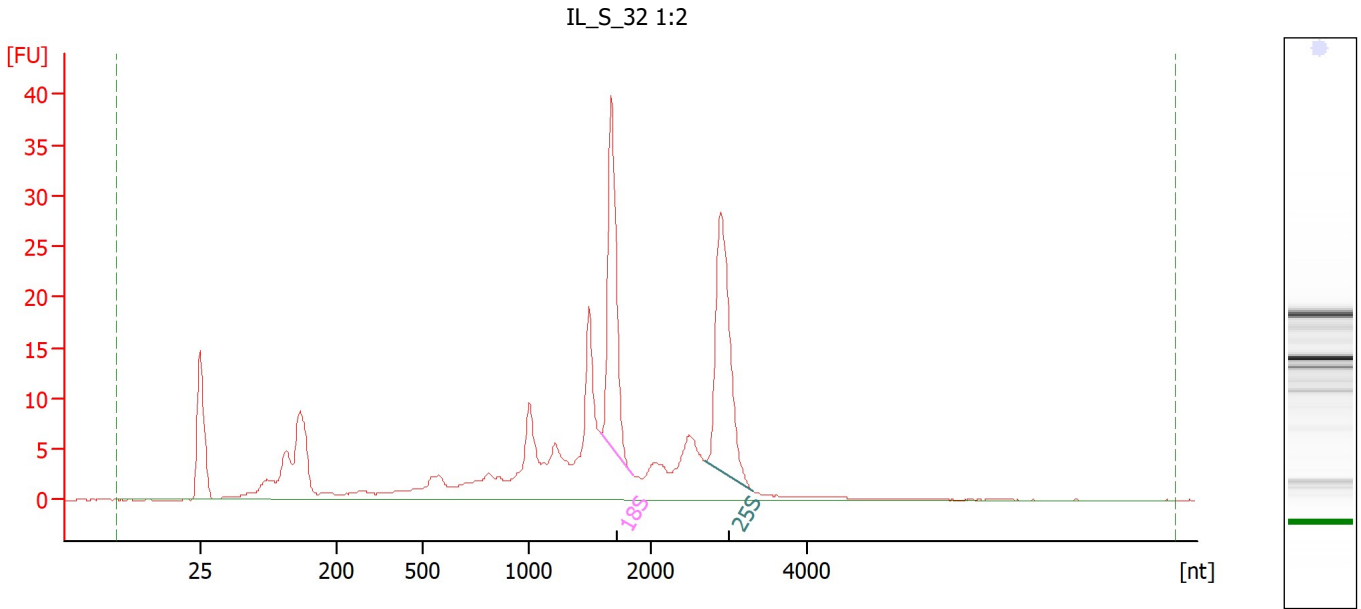
Overall Results for Ladder

RNA Area:	230.0	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano
Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : IL S 32 1:2

RNA Area: 268.8 RNA Integrity Number (RIN): 6.9 (B.02.10)
RNA Concentration: 175 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.1 Result Flagging Label: RIN: 6.90

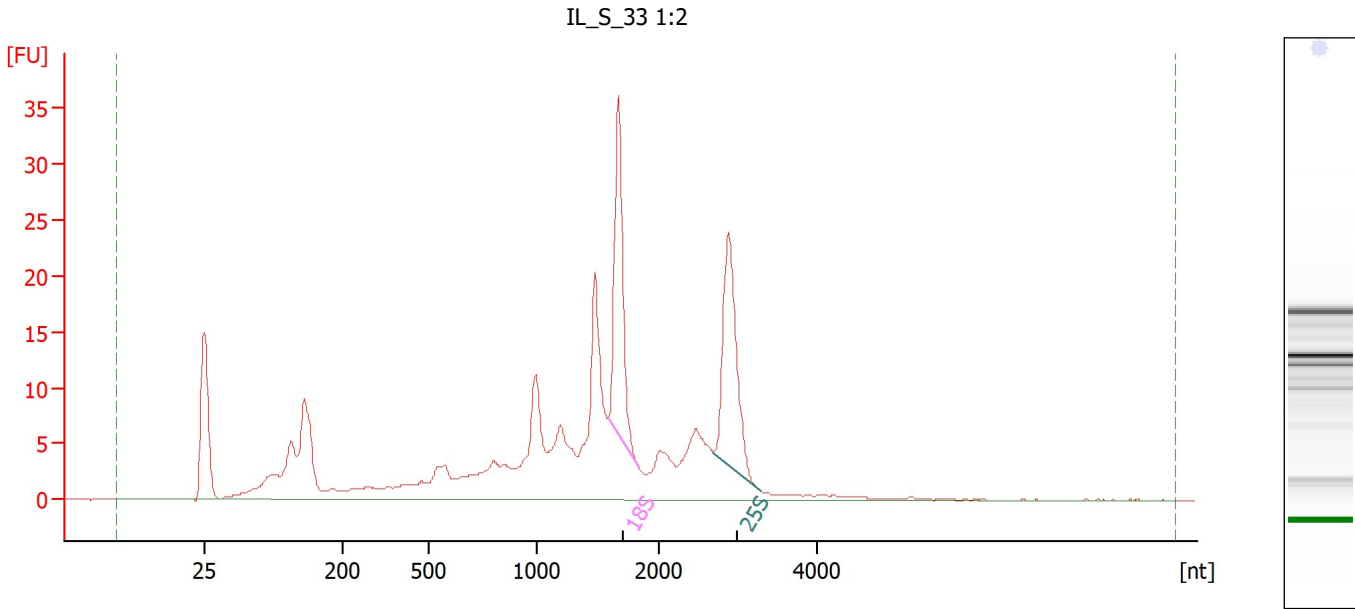
Fragment table for sample 1 : IL S 32 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,843	36.3	13.5
25S	2,689	3,321	41.4	15.4

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : IL S 33 1:2

RNA Area:	283.3	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	185 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.0	Result Flagging Label:	RIN: 6.50

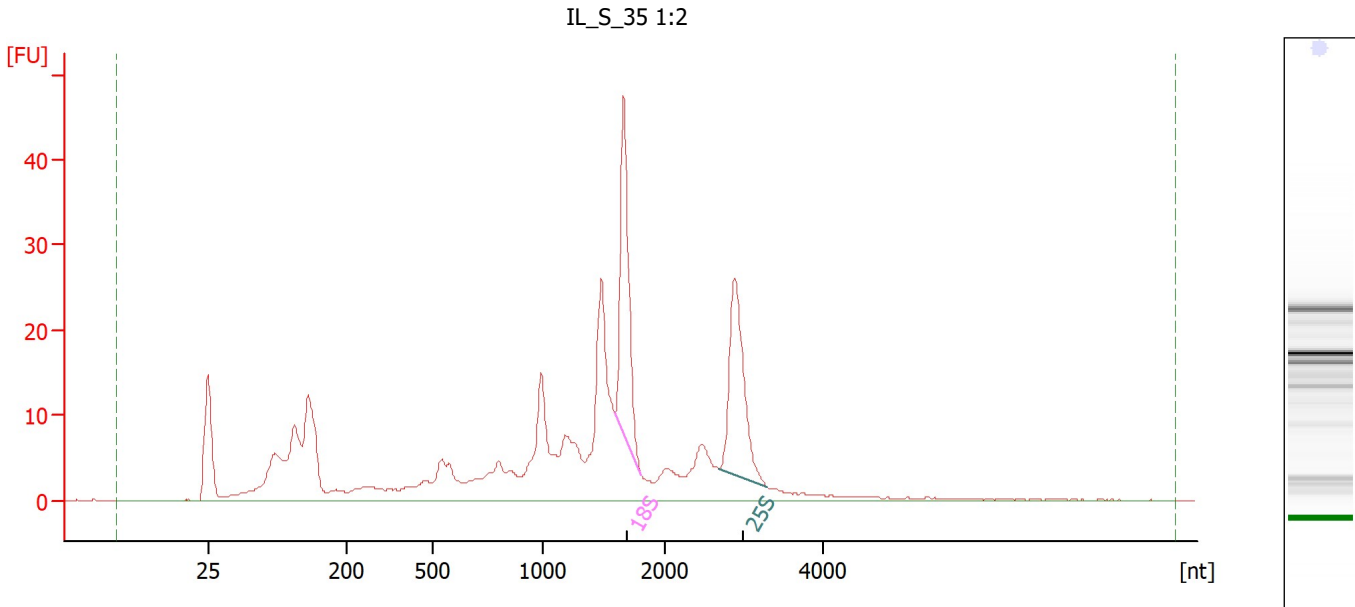
Fragment table for sample 2 : IL S 33 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,830	31.1	11.0
25S	2,688	3,301	31.0	10.9

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : IL S 35 1:2

RNA Area:	365.8	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	239 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.9	Result Flagging Label:	RIN: 6.40

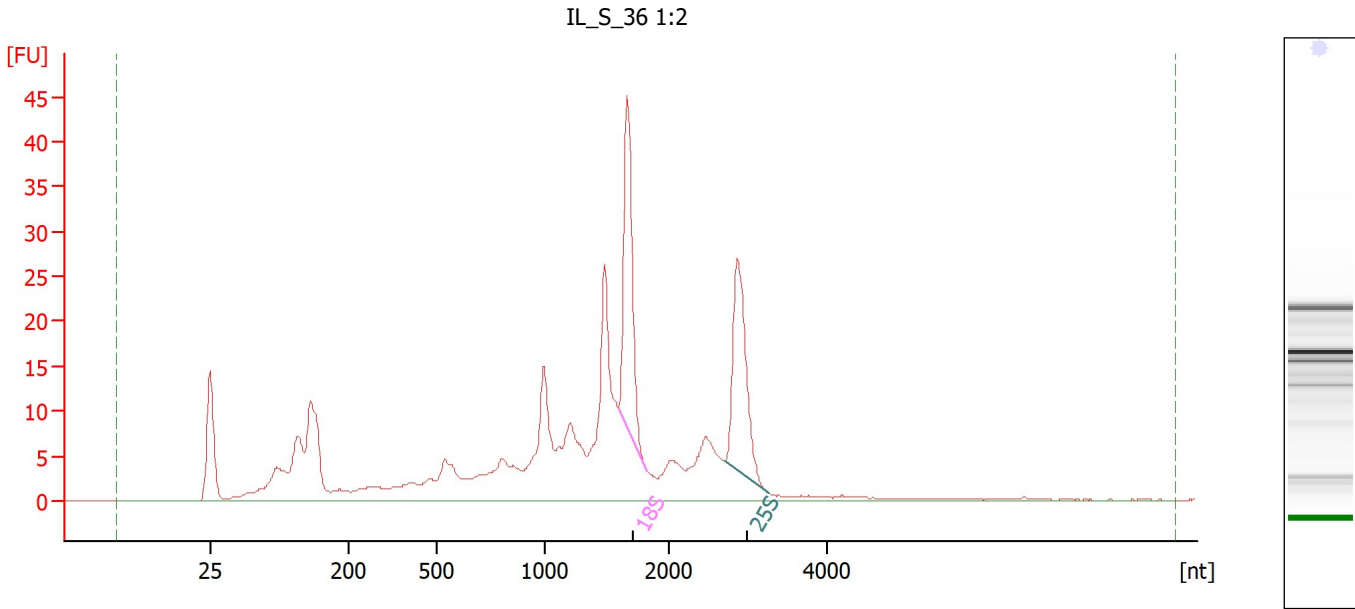
Fragment table for sample 3 : IL S 35 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	1,808	40.7	11.1
25S	2,688	3,297	37.6	10.3

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : IL S 36 1:2

RNA Area:	359.4	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	234 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.9	Result Flagging Label:	RIN: 6.30

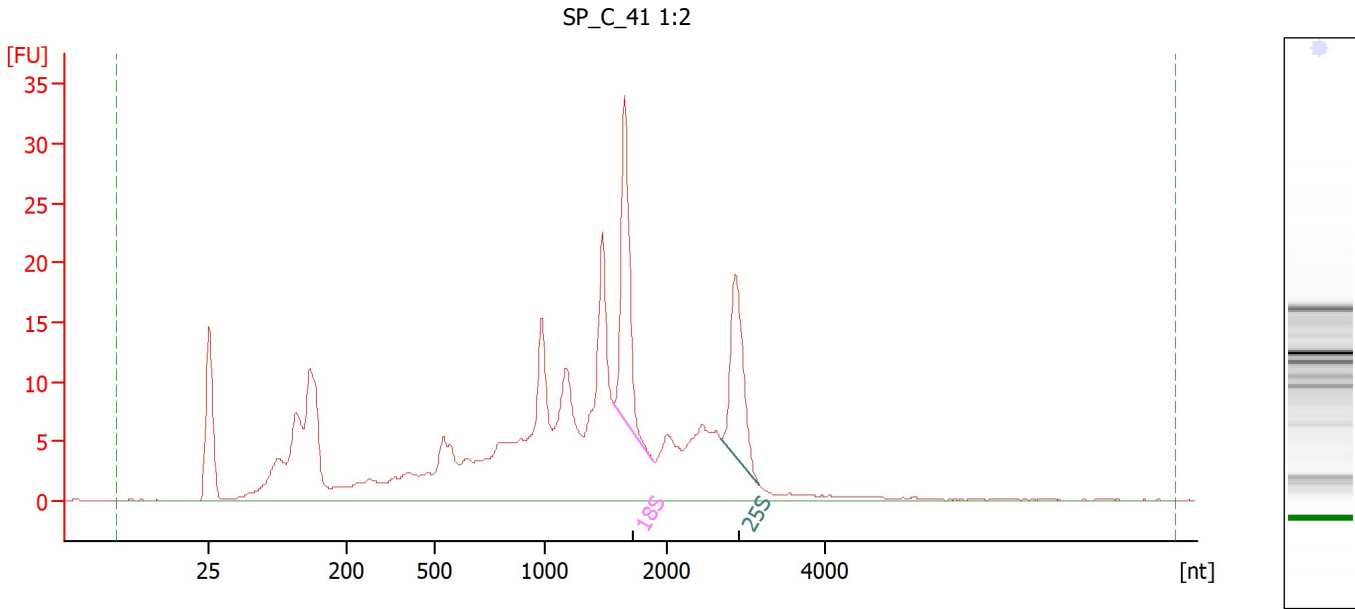
Fragment table for sample 4 : IL S 36 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,819	37.5	10.4
25S	2,701	3,254	34.4	9.6

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SP C 41 1:2

RNA Area:	349.9	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	228 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.8	Result Flagging Label:	RIN: 5.80

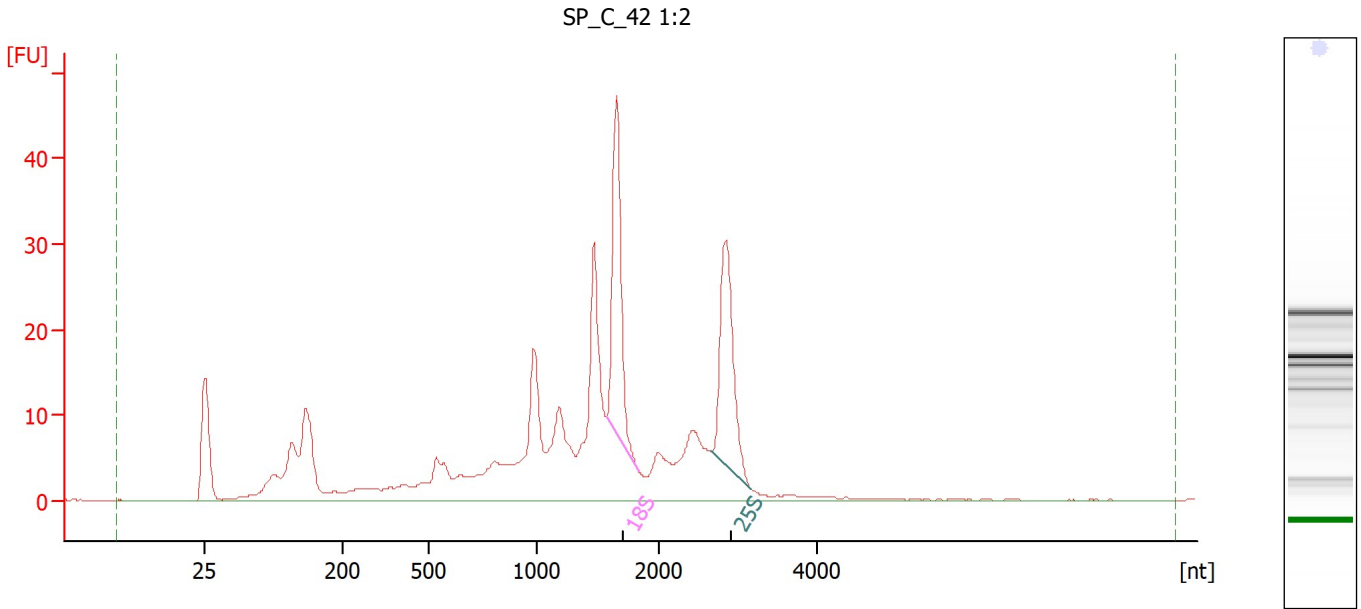
Fragment table for sample 5 : SP C 41 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	1,887	28.0	8.0
25S	2,688	3,161	21.8	6.2

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SP_C_42_1:2

RNA Area:	370.9	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	242 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.9	Result Flagging Label:	RIN: 6.30

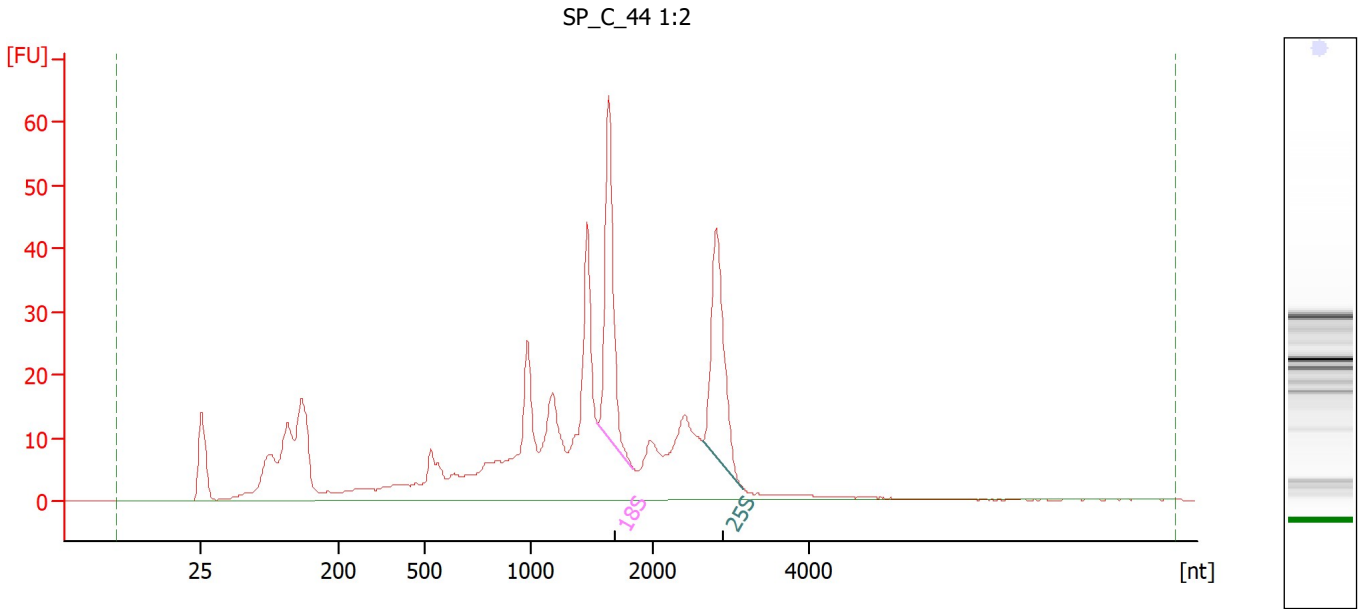
Fragment table for sample 6 : SP_C_42_1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,830	41.1	11.1
25S	2,661	3,179	38.5	10.4

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SP C 44 1:2

RNA Area:	560.1	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	365 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.9	Result Flagging Label:	RIN: 6.20

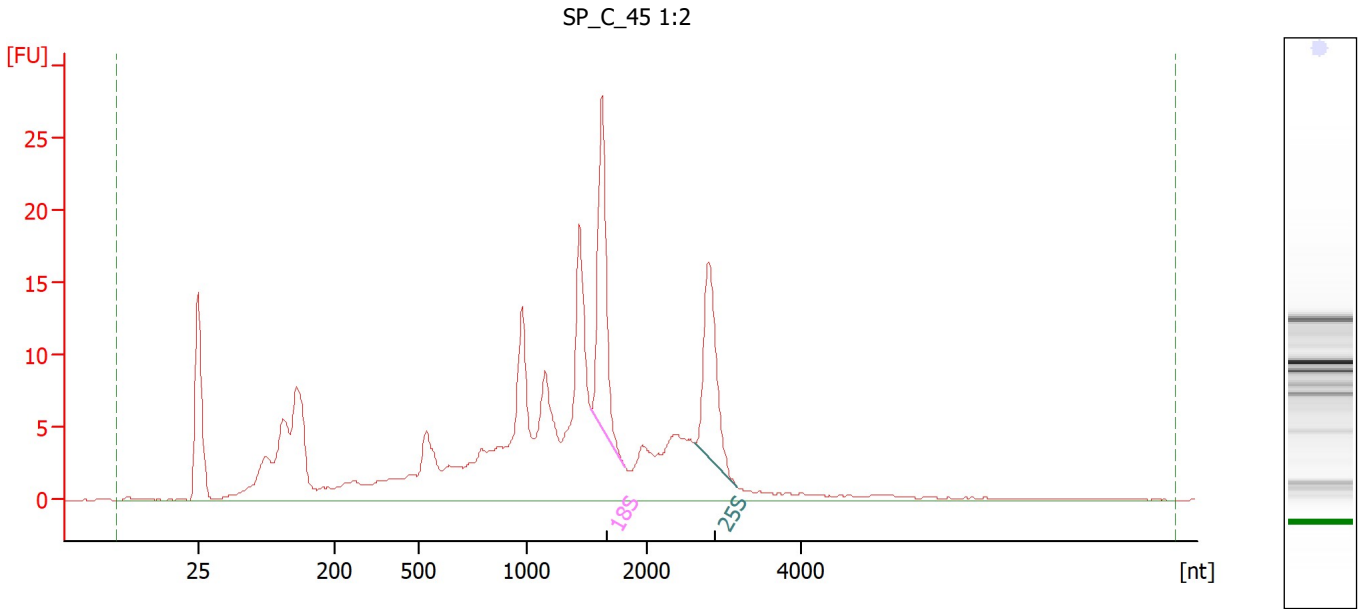
Fragment table for sample 7 : SP C 44 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,835	56.6	10.1
25S	2,648	3,155	52.2	9.3

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SP C 45 1:2

RNA Area:	276.4	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	180 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.8	Result Flagging Label:	RIN:6

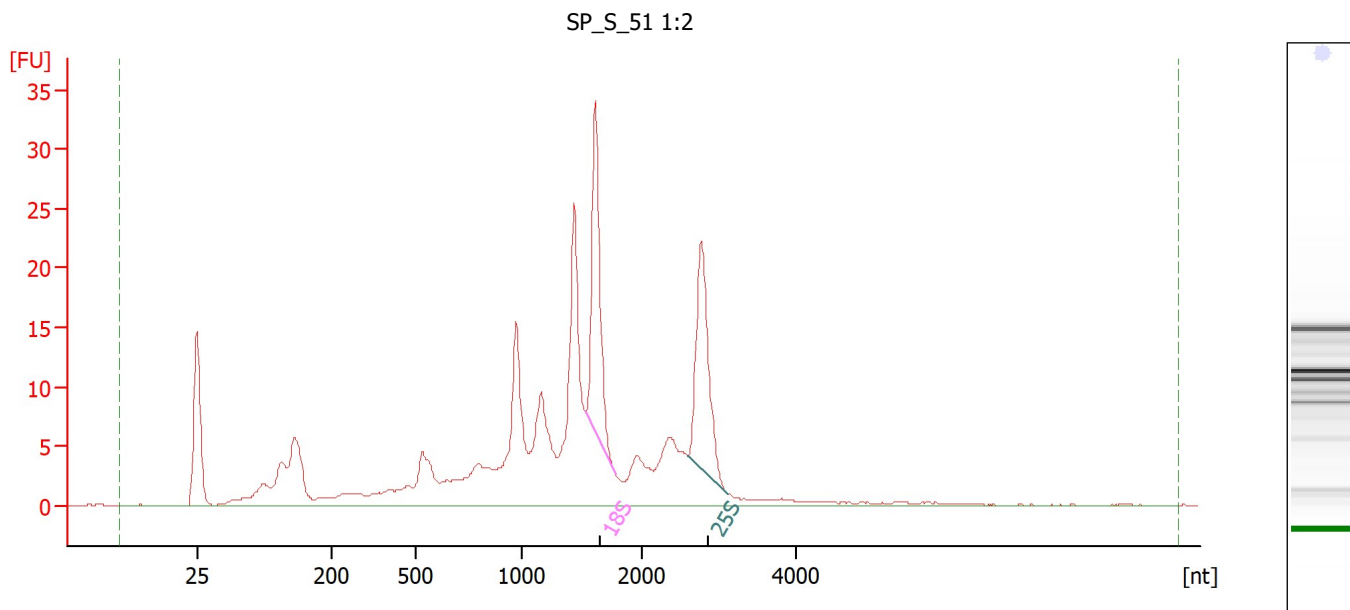
Fragment table for sample 8 : SP C 45 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,823	23.9	8.6
25S	2,620	3,172	19.5	7.0

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : SP S 51 1:2

RNA Area:	283.3	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	185 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.9	Result Flagging Label:	RIN: 6.30

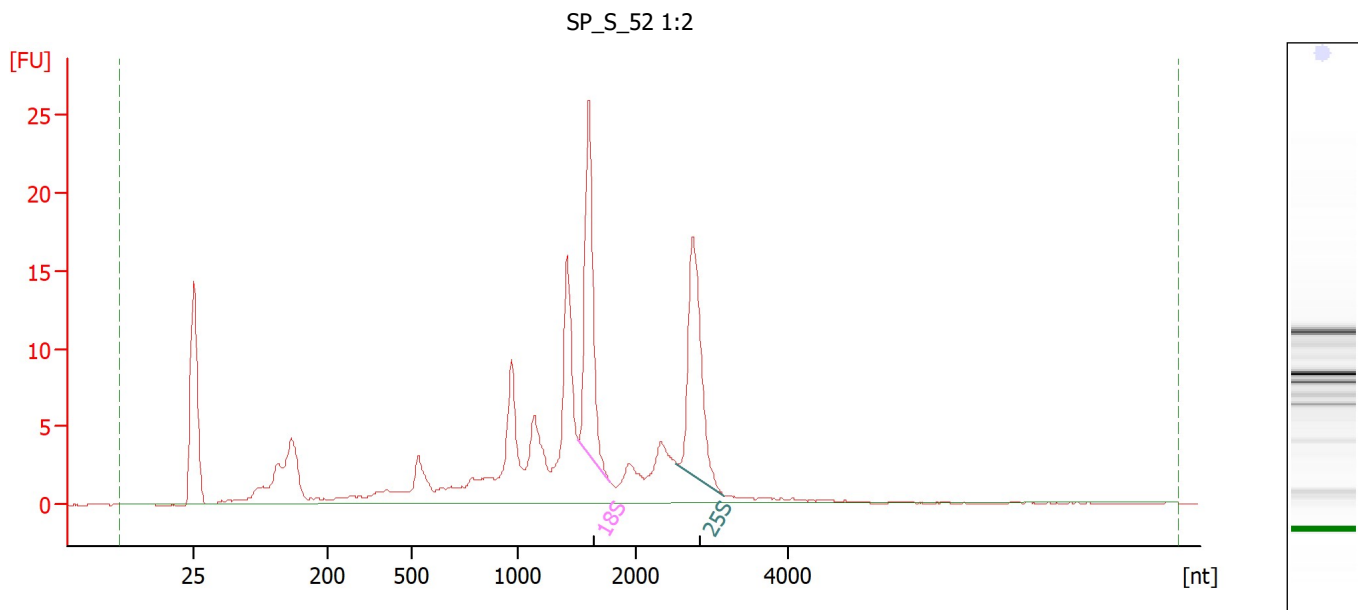
Fragment table for sample 9 : SP S 51 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,782	29.2	10.3
25S	2,606	3,121	27.1	9.6

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SP S 52 1:2

RNA Area:	174.8	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	114 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.0	Result Flagging Label:	RIN: 6.70

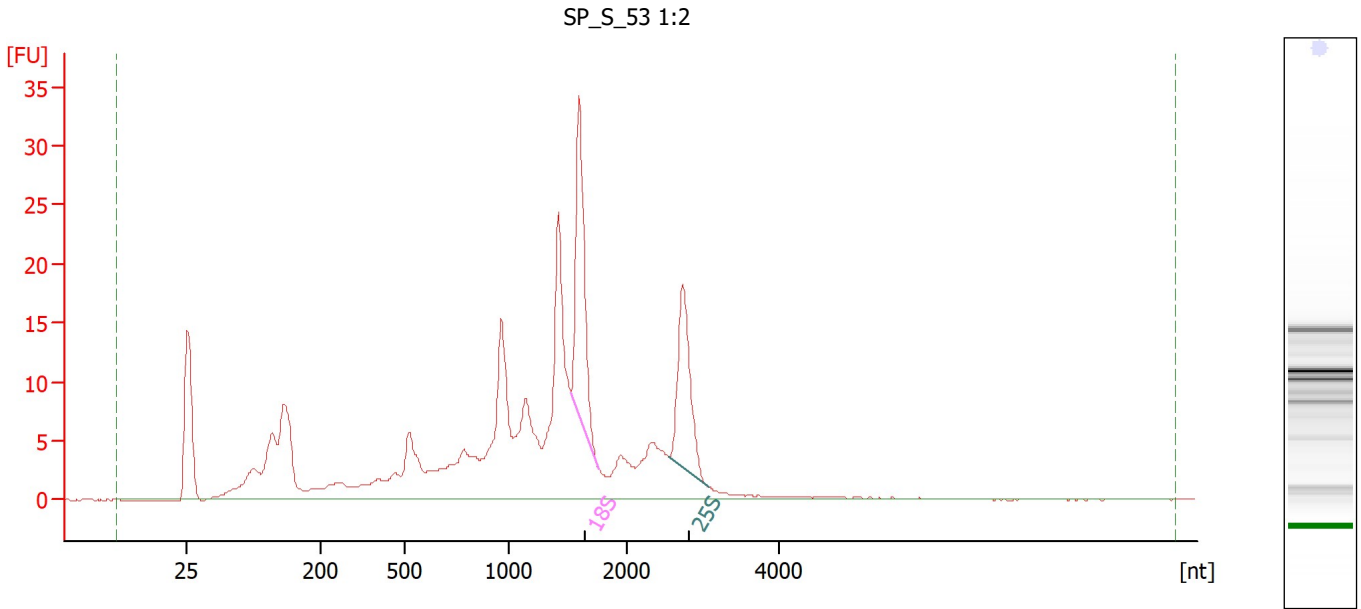
Fragment table for sample 10 : SP S 52 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	1,787	23.3	13.4
25S	2,536	3,152	22.8	13.1

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SP S 53 1:2

RNA Area:	296.6	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	193 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.8	Result Flagging Label:	RIN:6

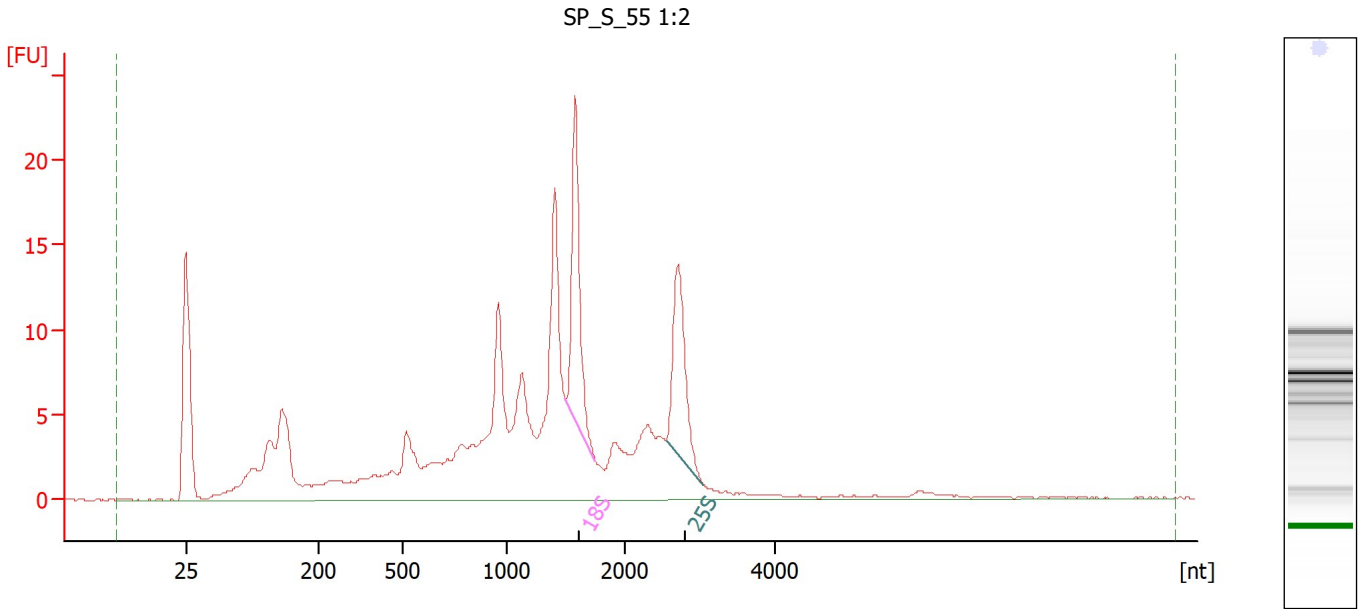
Fragment table for sample 11 : SP S 53 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,529	1,764	29.1	9.8
25S	2,564	3,085	22.4	7.6

Assay Class: Plant RNA Nano
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
 Modified: 3/2/2023 5:25:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : SP S 55 1:2

RNA Area:	230.0	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	150 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.8	Result Flagging Label:	RIN:6

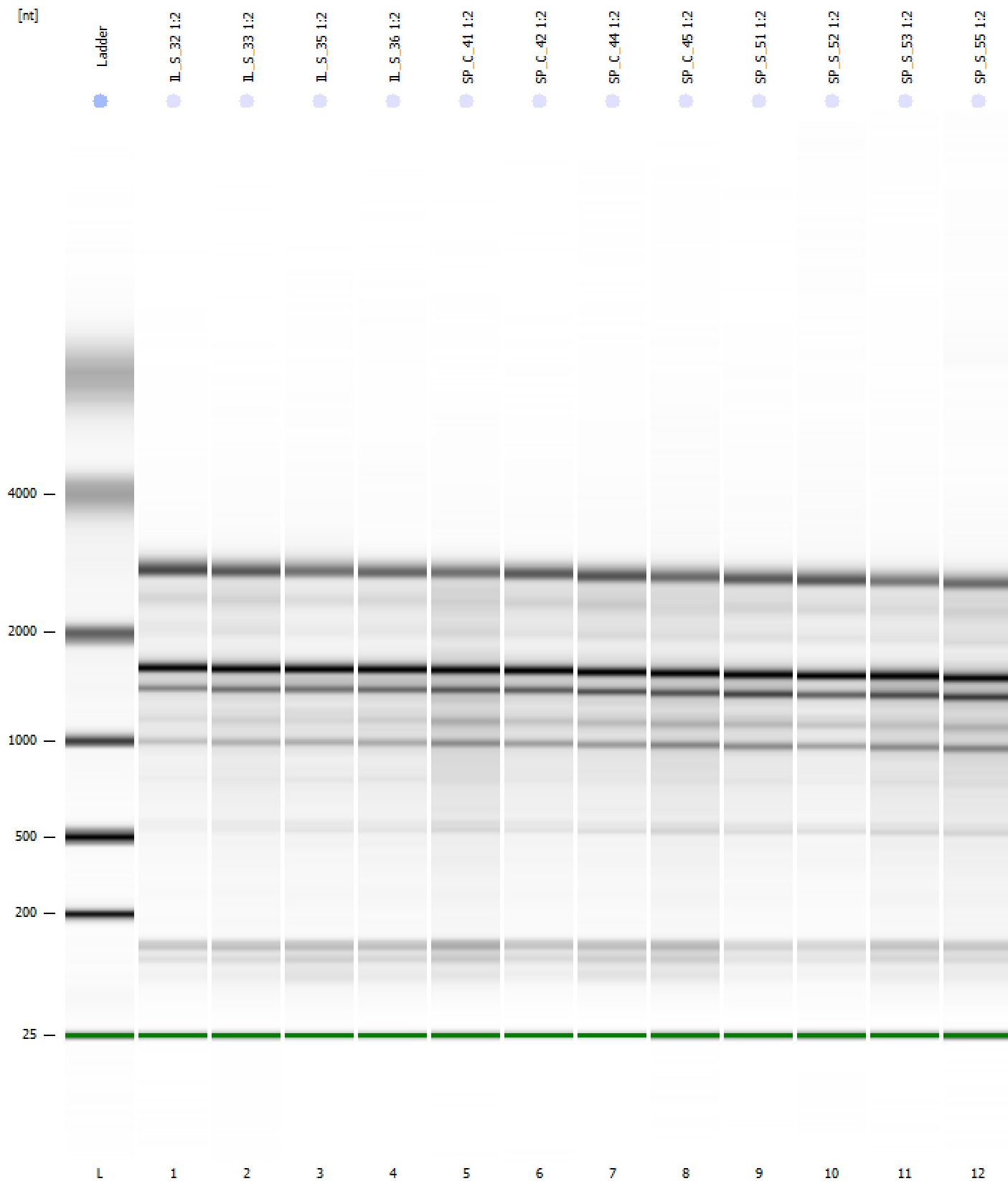
Fragment table for sample 12 : SP S 55 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,500	1,754	19.6	8.5
25S	2,549	3,044	15.9	6.9

Assay Class: Plant RNA Nano
Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad

Created: 3/2/2023 5:01:39 PM
Modified: 3/2/2023 5:25:29 PM

Gel Image



Assay Class: Plant RNA Nano Created: 3/2/2023 5:01:39 PM
 Data Path: C:\...p\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad Modified: 3/2/2023 5:25:29 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		3/2/2023 5:25:27 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-03-02\Bioanalyzer1_Plant RNA Nano_2023-03-02_001.xad)		Instrument	Run		3/2/2023 5:01:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/2/2023 5:01:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/2/2023 5:01:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/2/2023 5:01:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/2/2023 5:01:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/2/2023 5:01:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/2/2023 5:01:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB