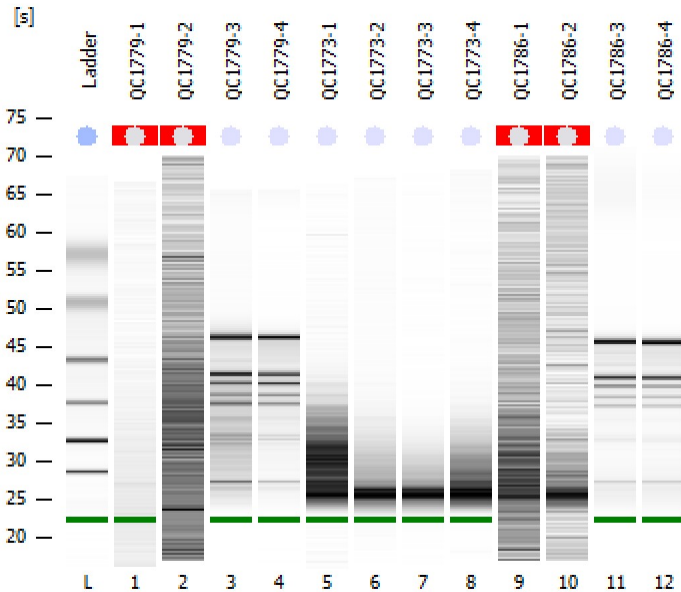


Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Electrophoresis File Run Summary



Instrument Information:

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

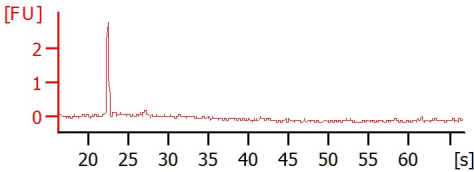
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

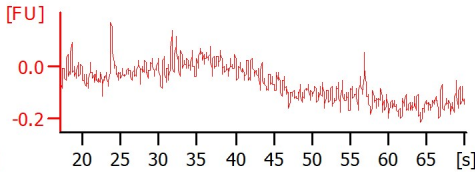
Chip Information:

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

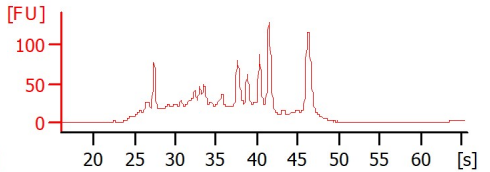
QC1779-1
PAT10
RIN: N/A



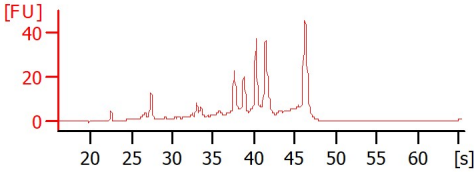
QC1779-2
PINT10
RIN: N/A



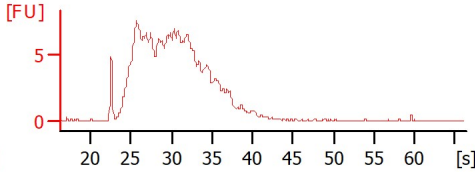
QC1779-3
INSV108
RIN: 5.50



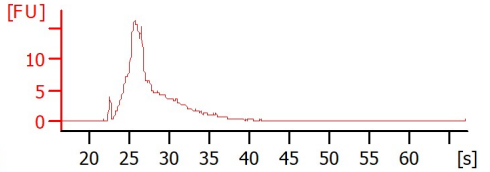
QC1779-4
INSV73
RIN: 6.70



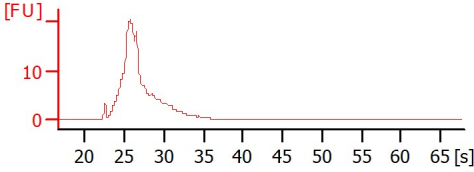
QC1773-1
02
RIN: 2



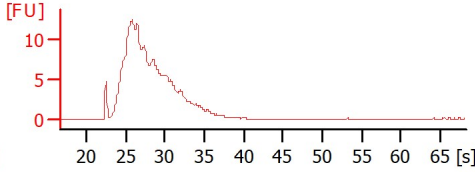
QC1773-2
04
RIN: 2.30



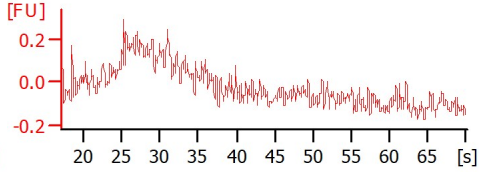
QC1773-3
06
RIN: 2.40



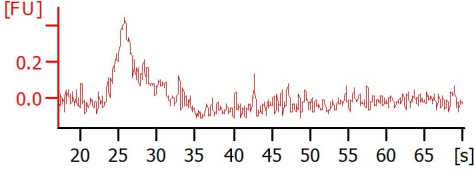
QC1773-4
13
RIN: 2.20



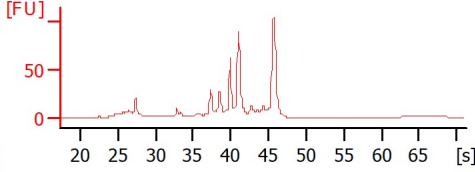
QC1786-1
PAT9
RIN: N/A



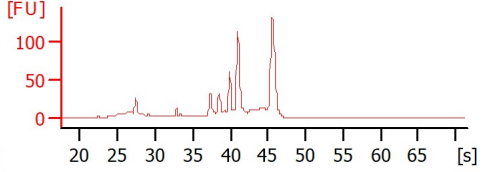
QC1786-2
PINT9
RIN: N/A



QC1786-3
INSV74
RIN: 7



QC1786-4
INSV75
RIN: 7.10



Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1779-1	PAT10	✓	RIN N/A	
QC1779-2	PINT10	✓	RIN N/A	
QC1779-3	INSV108	✓	RIN: 5.50	
QC1779-4	INSV73	✓	RIN: 6.70	
QC1773-1	02	✓	RIN:2	
QC1773-2	04	✓	RIN: 2.30	
QC1773-3	06	✓	RIN: 2.40	
QC1773-4	13	✓	RIN: 2.20	
QC1786-1	PAT9	✓	RIN N/A	
QC1786-2	PINT9	✓	RIN N/A	
QC1786-3	INSV74	✓	RIN:7	
QC1786-4	INSV75	✓	RIN: 7.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 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

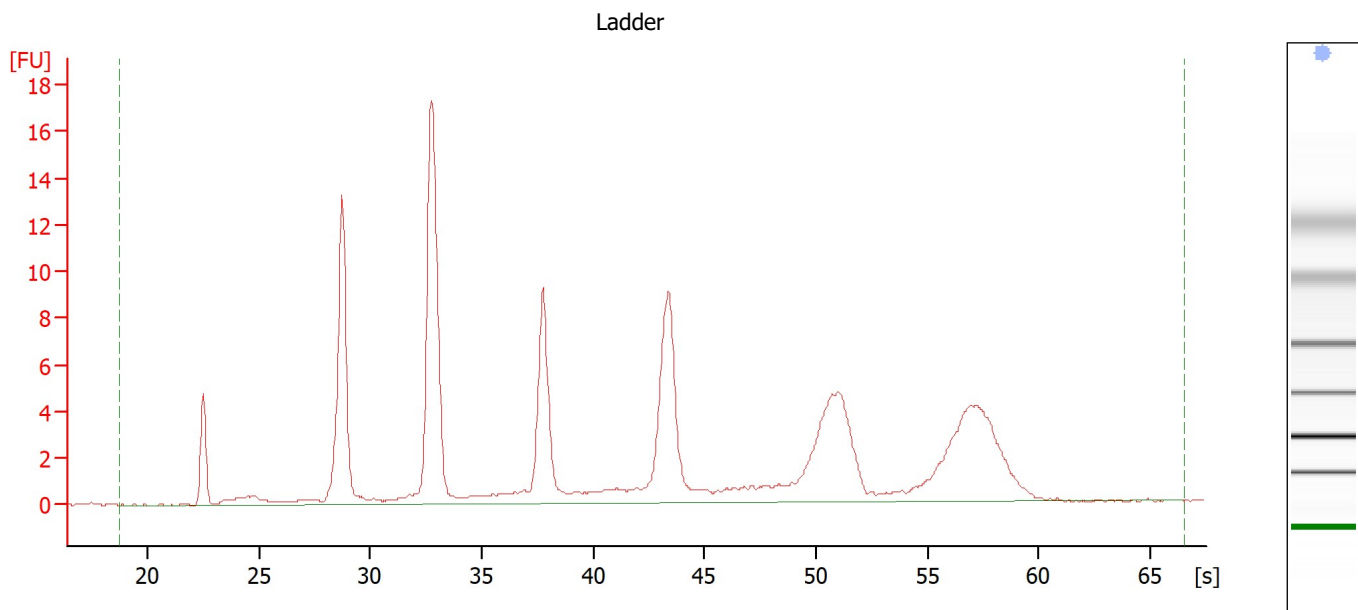
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary



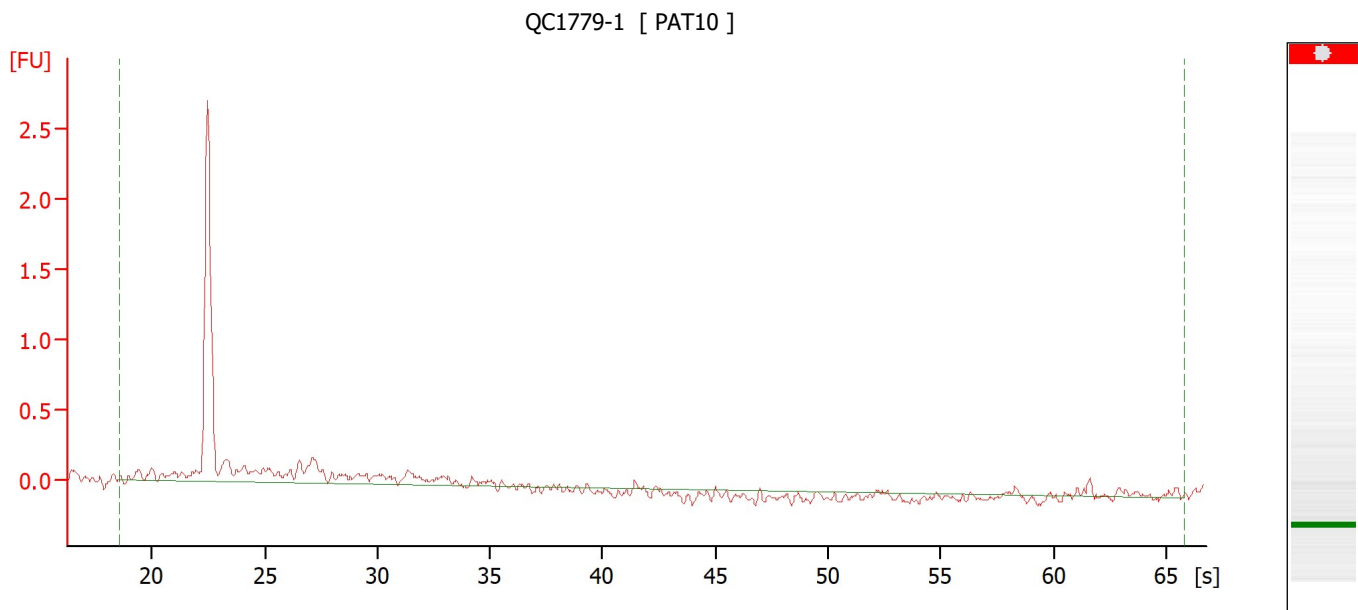
Overall Results for Ladder

RNA Area:	141.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC1779-1

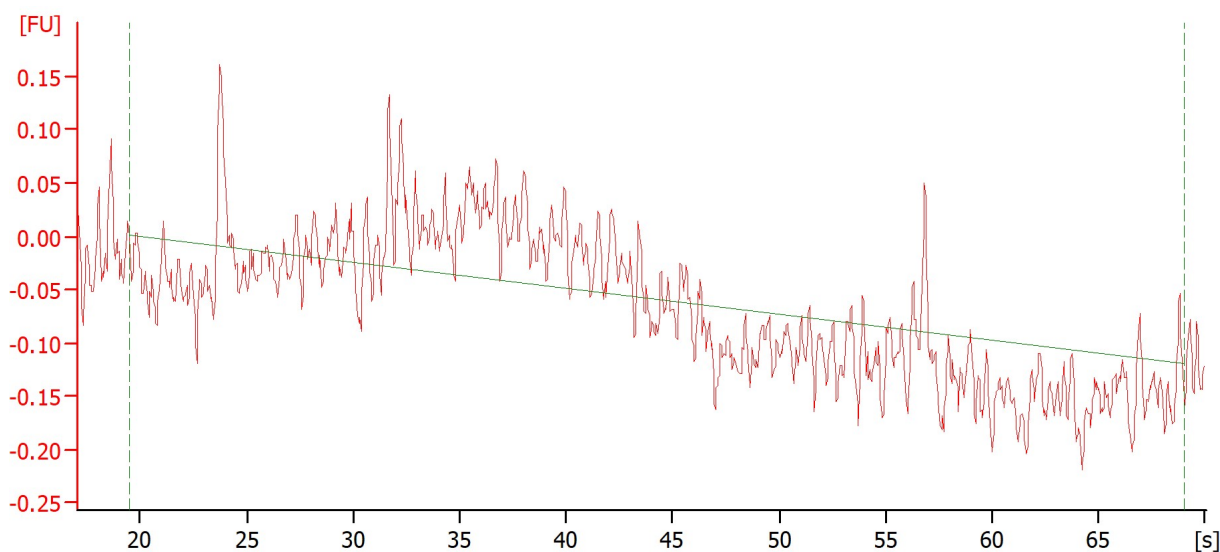
RNA Area:	3.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...

QC1779-2 [PINT10]



Overall Results for sample 2 : QC1779-2

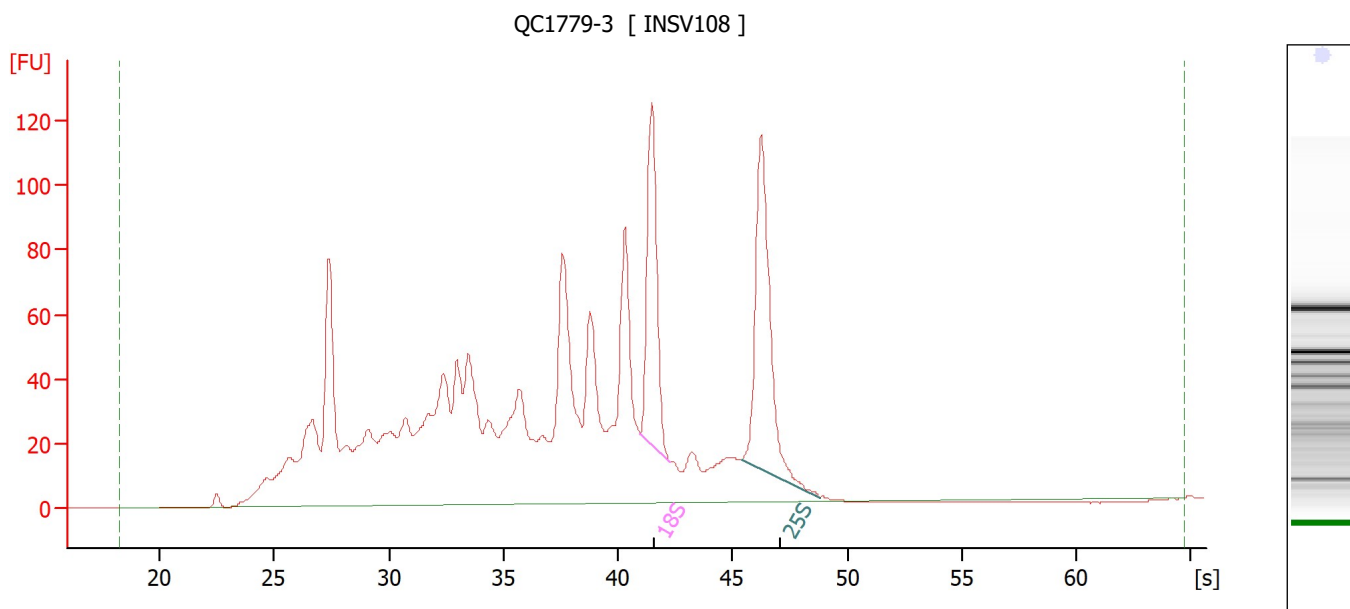
RNA Concentration: 2 ng/μl
rRNA Ratio [25s / 18s]: 0.0

Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1779-3

RNA Area:	1,891.2	RNA Integrity Number (RIN):	5.5 (B.02.10)
RNA Concentration:	2,003 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.3	Result Flagging Label:	RIN: 5.50

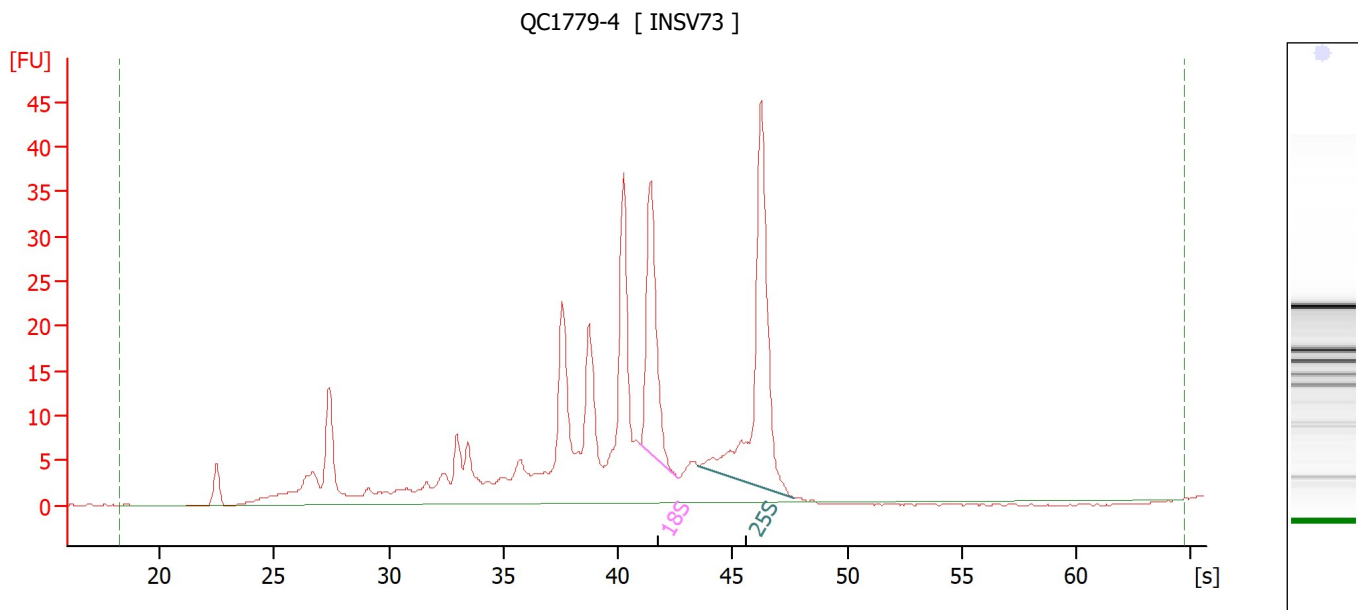
Fragment table for sample 3 : QC1779-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,798	122.9	6.5
25S	2,525	3,418	164.8	8.7

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1779-4

RNA Area:	361.7	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	383 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.8	Result Flagging Label:	RIN: 6.70

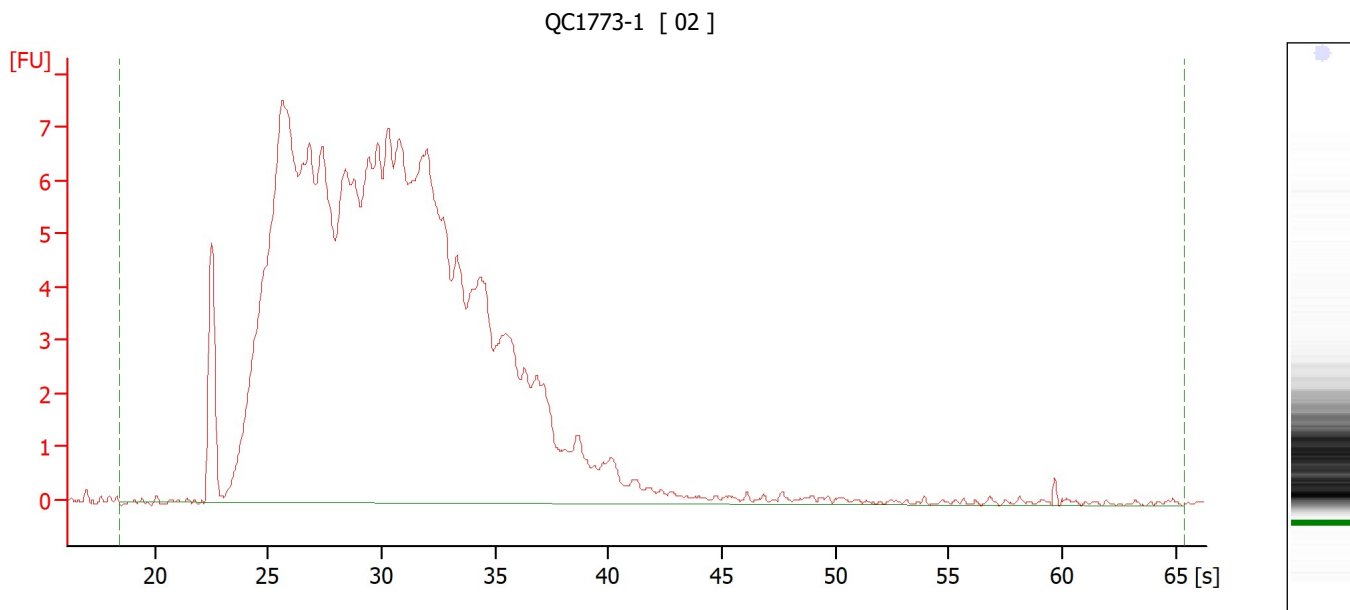
Fragment table for sample 4 : QC1779-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,571	1,865	35.5	9.8
25S	2,036	3,125	63.7	17.6

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1773-1

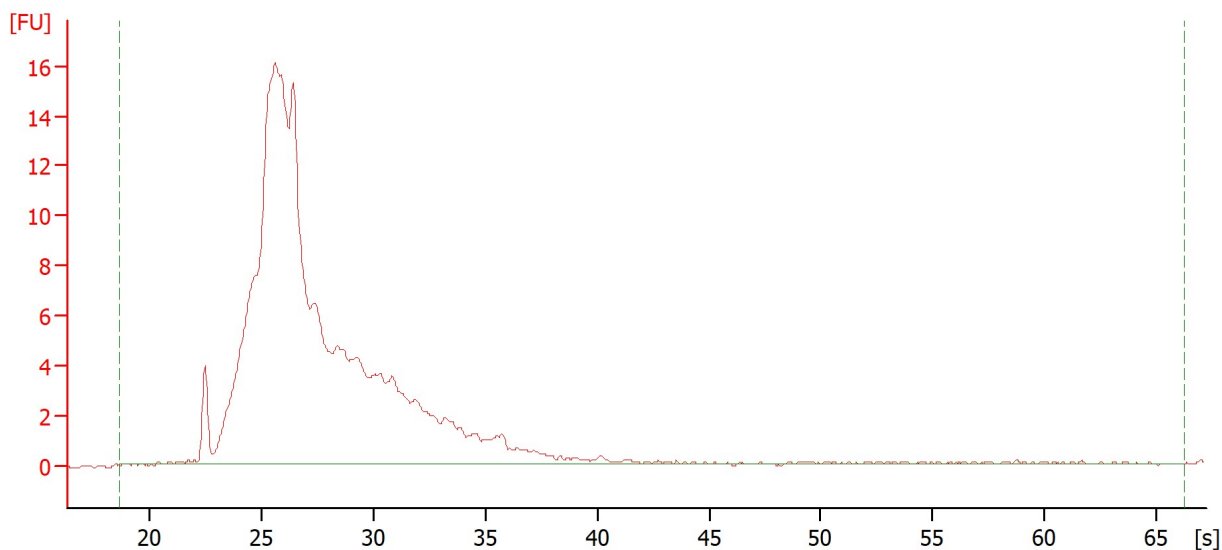
RNA Area:	240.3	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	255 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...

QC1773-2 [04]



Overall Results for sample 6 : QC1773-2

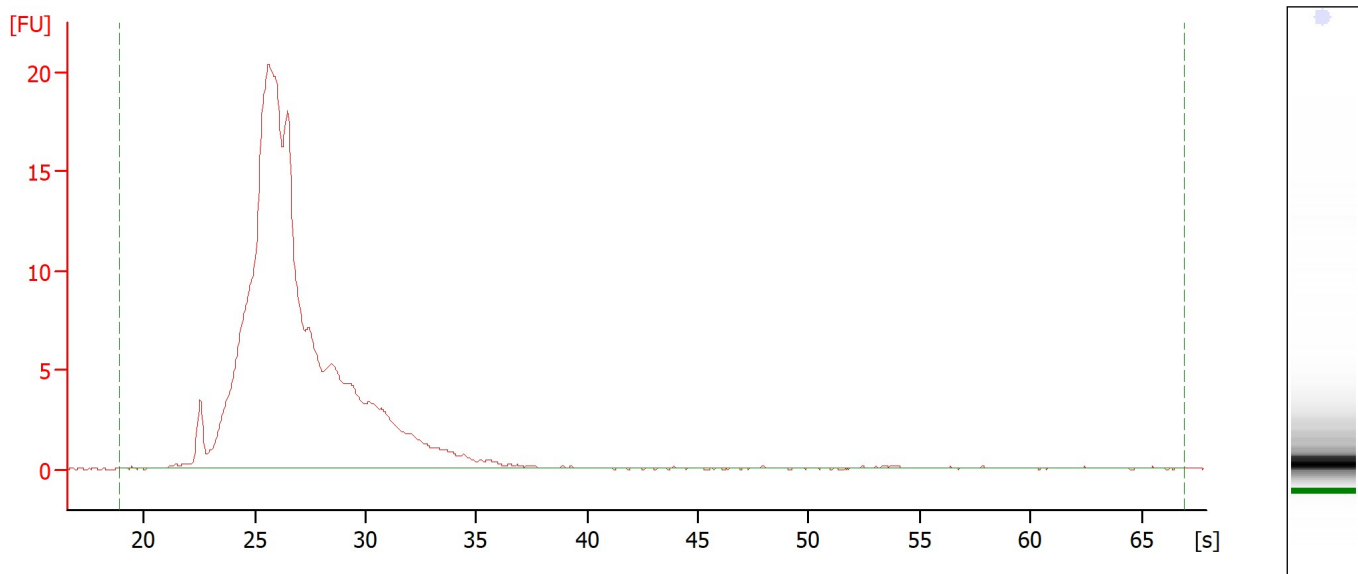
RNA Area:	233.8	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	248 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...

QC1773-3 [06]



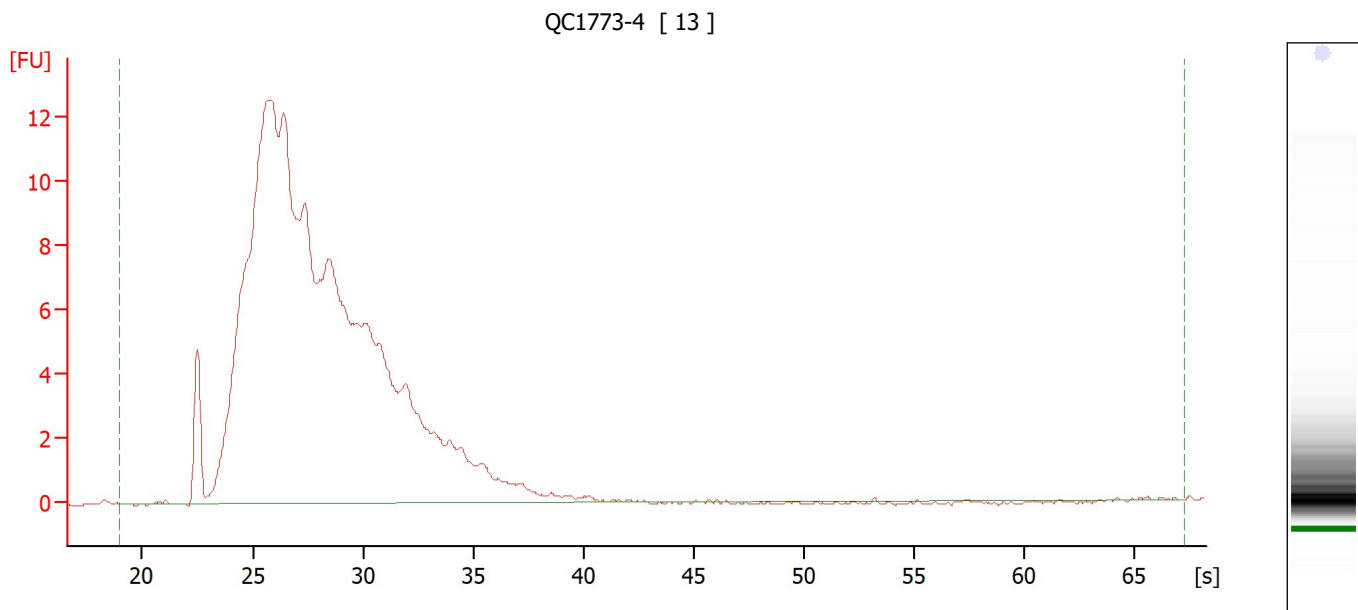
Overall Results for sample 7 : QC1773-3

RNA Area:	249.3	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	264 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1773-4

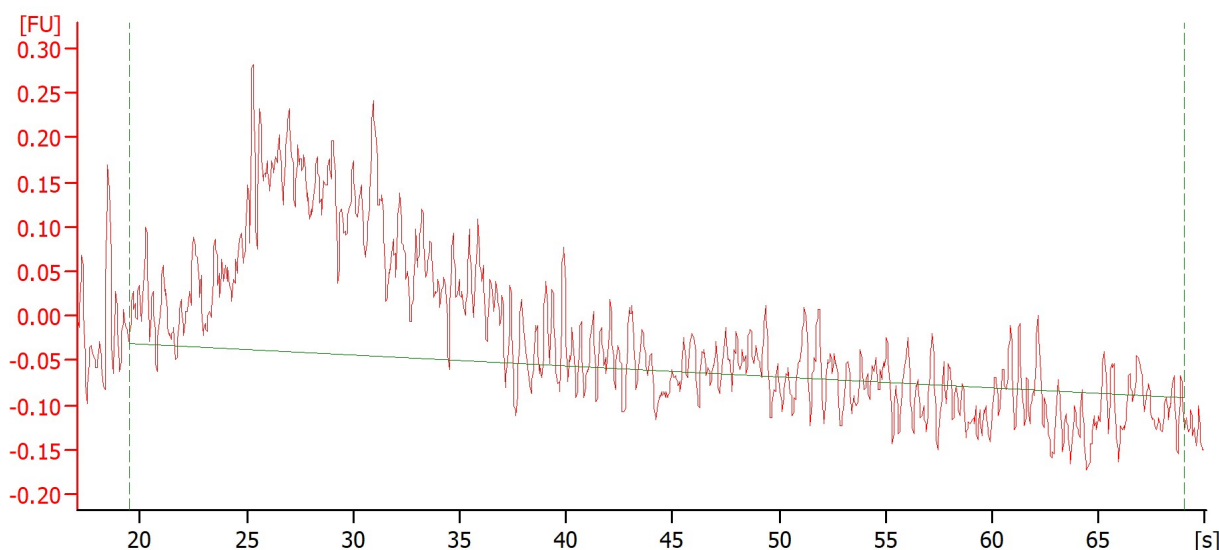
RNA Area:	245.8	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	260 ng/ μ l	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...

QC1786-1 [PAT9]



Overall Results for sample 9 : QC1786-1

RNA Concentration: 9 ng/μl
rRNA Ratio [25s / 18s]: 0.0

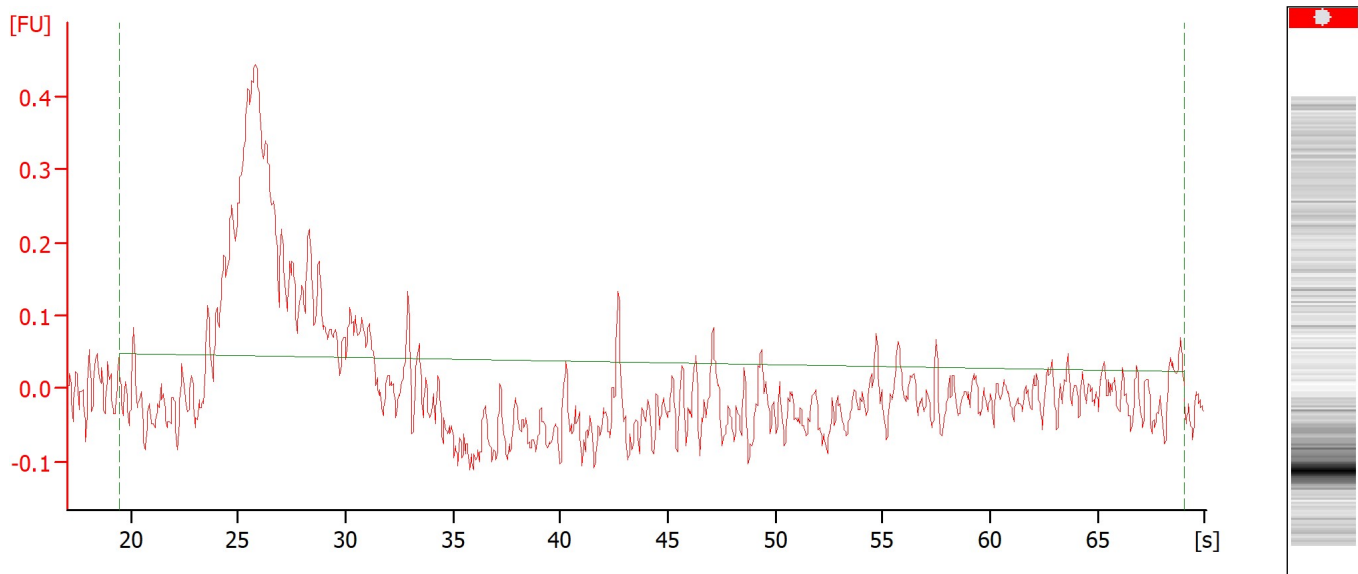
Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...

QC1786-2 [PINT9]



Overall Results for sample 10 : QC1786-2

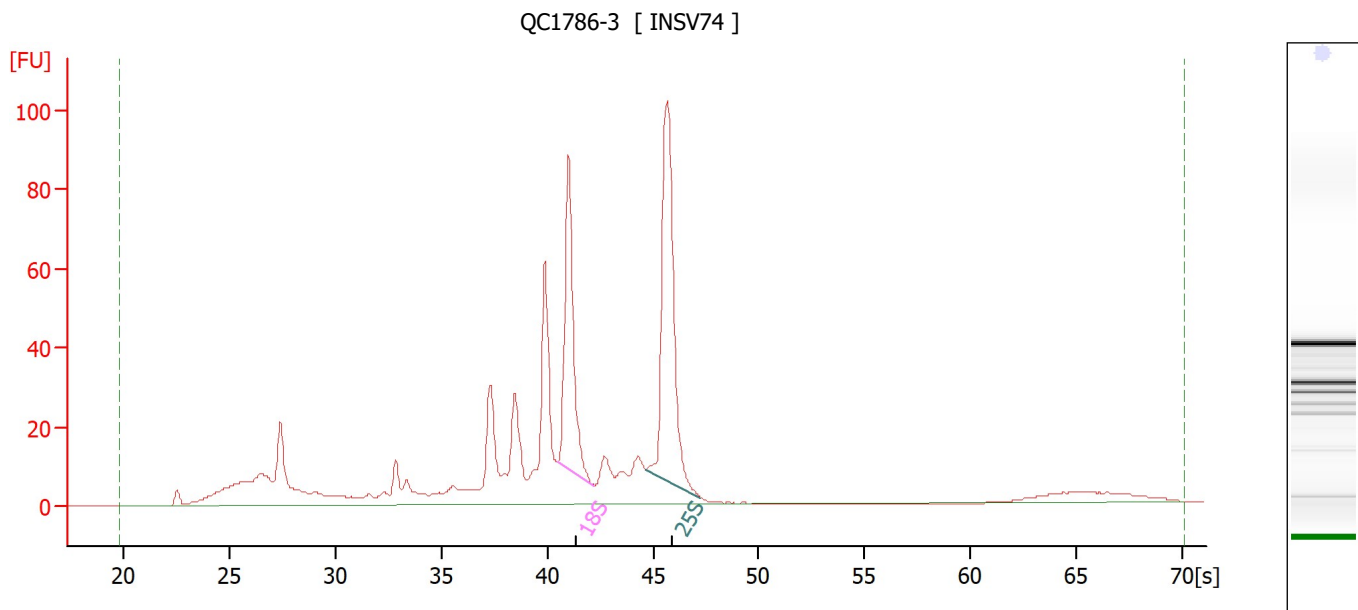
RNA Concentration: 4 ng/ μ l
rRNA Ratio [25s / 18s]: 0.0

Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1786-3

RNA Area:	703.9	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	745 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.5	Result Flagging Label:	RIN:7

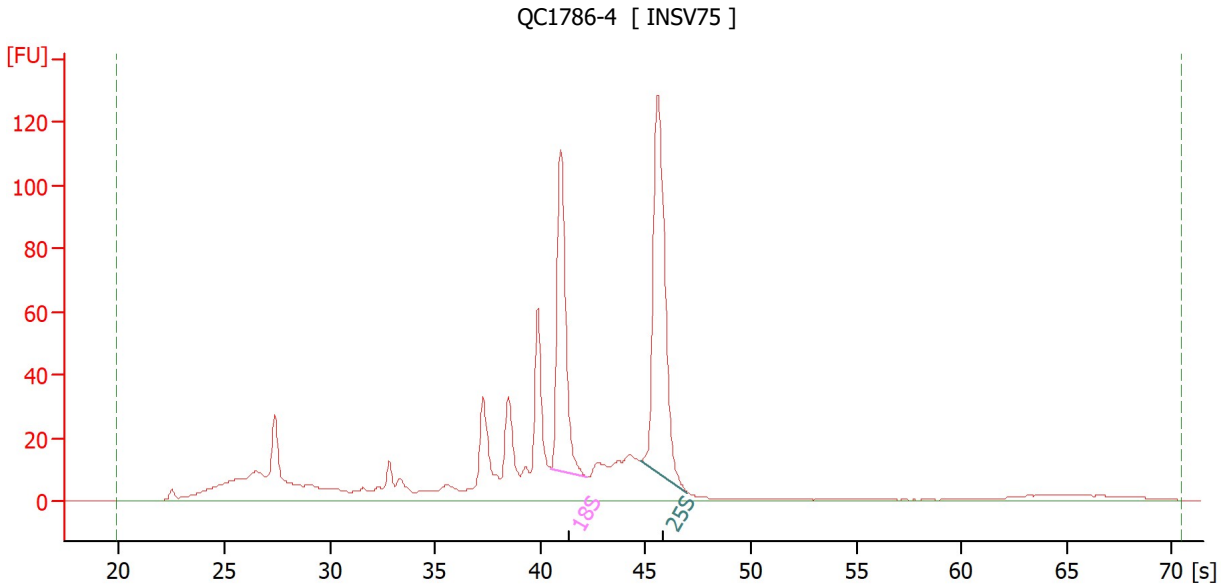
Fragment table for sample 11 : QC1786-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,493	1,793	89.4	12.7
25S	2,348	3,011	131.7	18.7

Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : QC1786-4

RNA Area:	874.6	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	926 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.5	Result Flagging Label:	RIN: 7.10

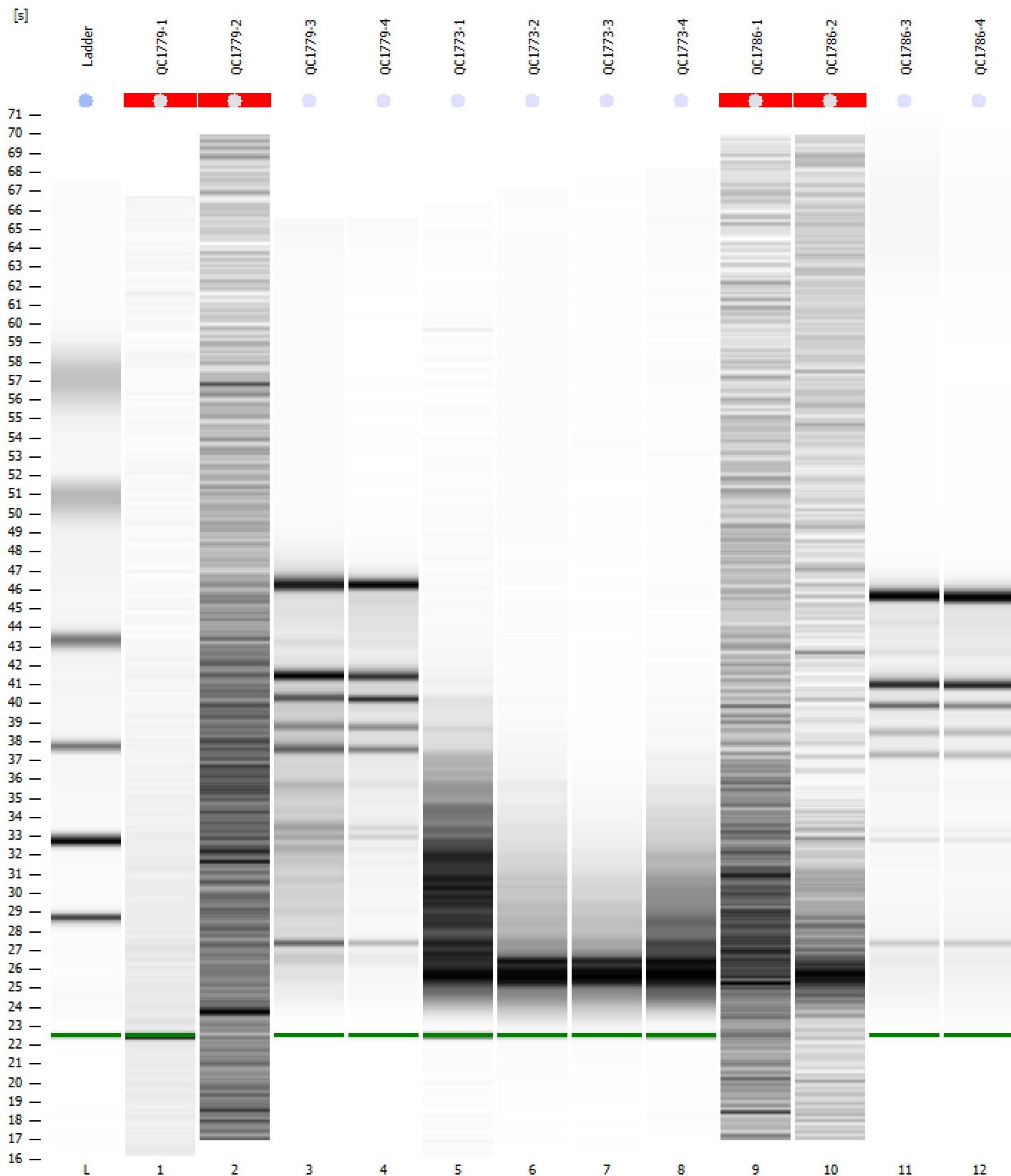
Fragment table for sample 12 : QC1786-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	1,800	114.4	13.1
25S	2,374	2,947	170.6	19.5

Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Gel Image

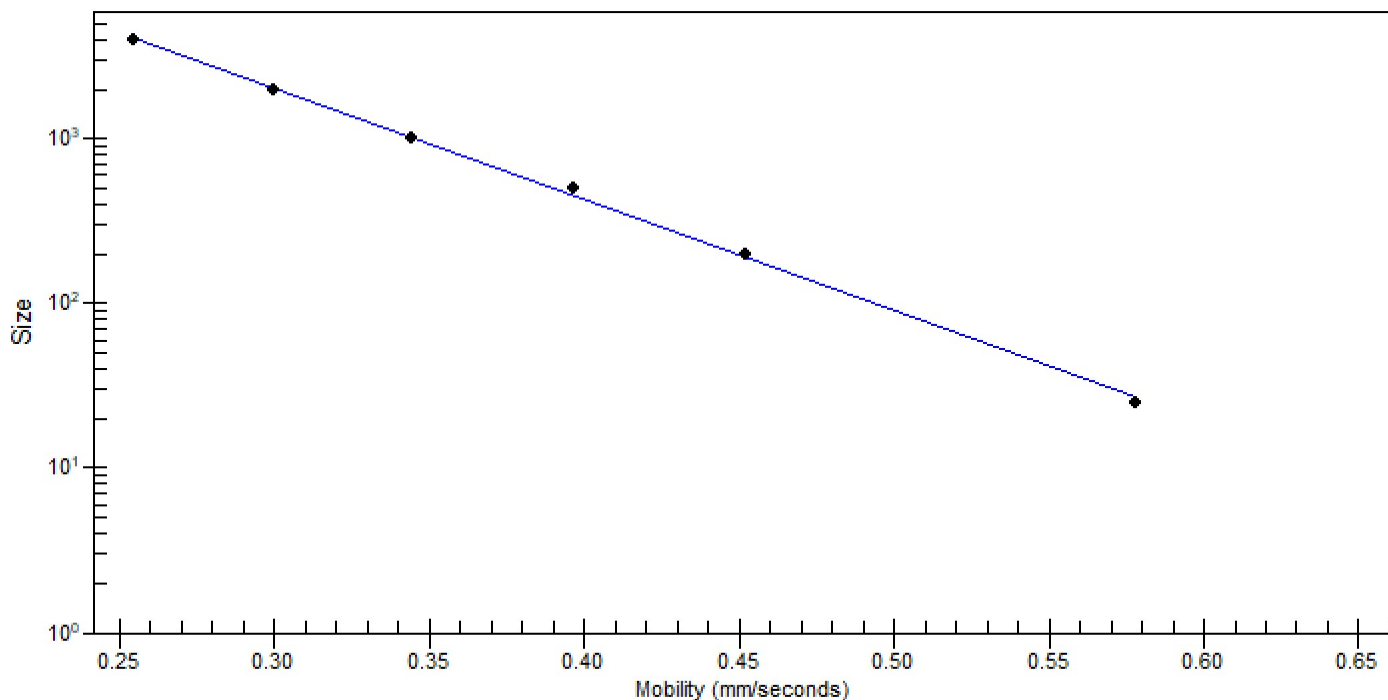


Assay Class: Plant RNA Nano
Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad

Created: 3/15/2024 1:02:36 PM
Modified: 3/15/2024 1:26:26 PM

Curves

Standard Curve



Assay Class: Plant RNA Nano
 Data Path: C:\...5\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15_001.xad
 Created: 3/15/2024 1:02:36 PM
 Modified: 3/15/2024 1:26:26 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		3/15/2024 1:26:24 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-03-15\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-15 Product Number : G2938C		Instrument	Run		3/15/2024 1:02:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/15/2024 1:02:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/15/2024 1:02:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/15/2024 1:02:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/15/2024 1:02:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/15/2024 1:02:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB