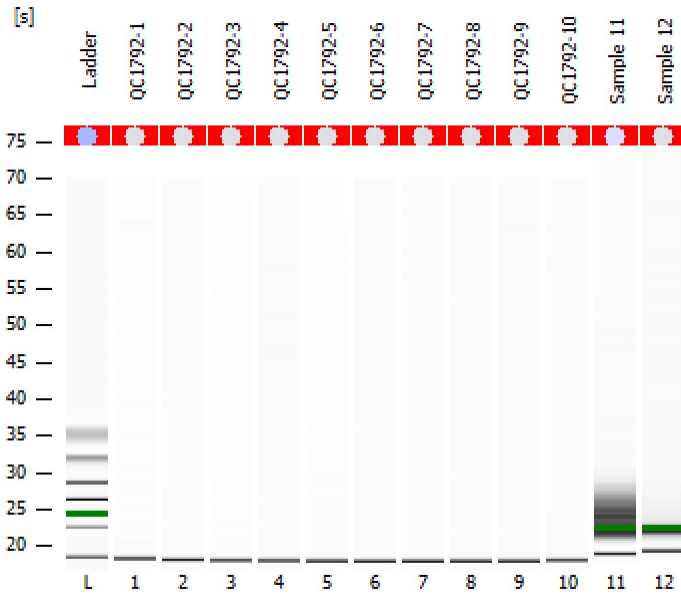


Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

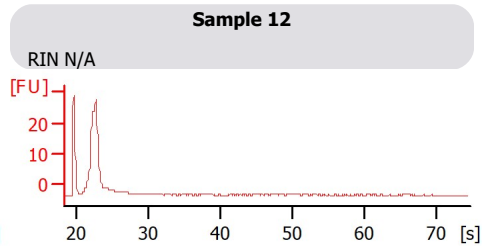
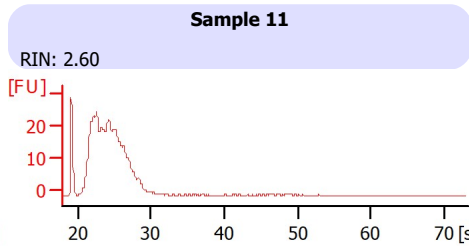
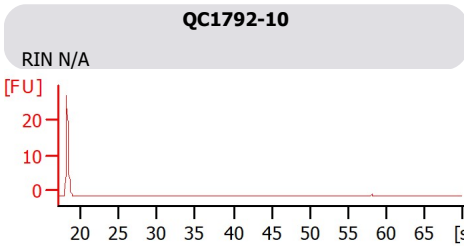
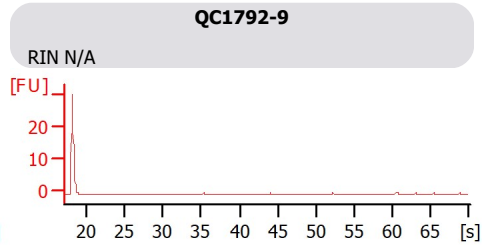
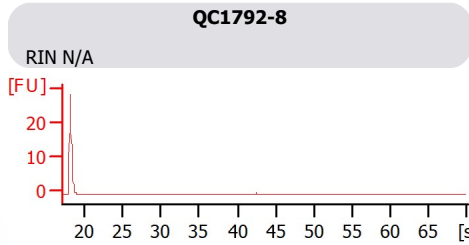
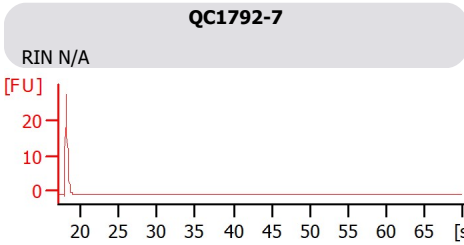
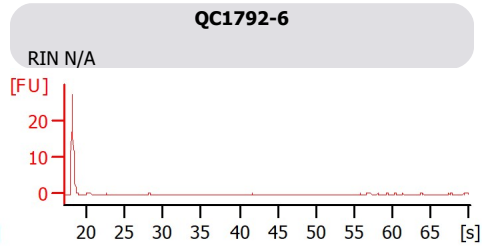
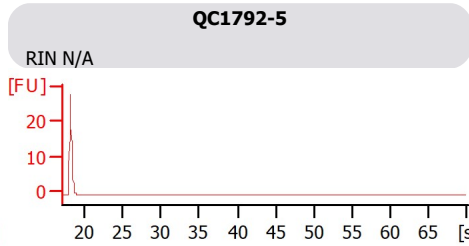
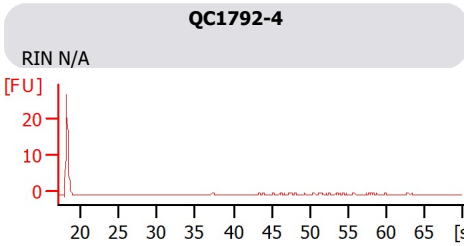
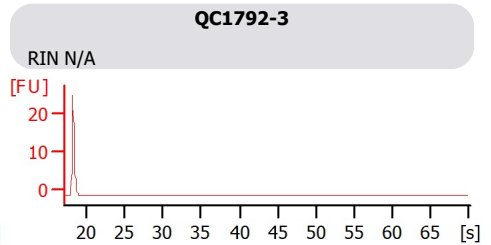
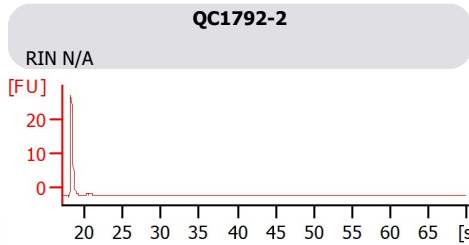
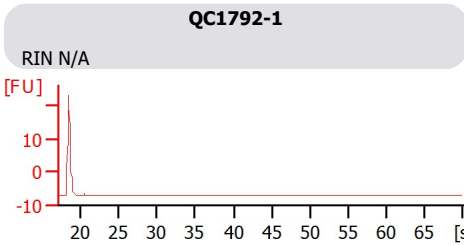
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

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:



Assay Class: Plant RNA Nano  
 Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
 Modified: 3/27/2024 11:07:19 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1792-1		✓	RIN N/A	
QC1792-2		✓	RIN N/A	
QC1792-3		✓	RIN N/A	
QC1792-4		✓	RIN N/A	
QC1792-5		✓	RIN N/A	
QC1792-6		✓	RIN N/A	
QC1792-7		✓	RIN N/A	
QC1792-8		✓	RIN N/A	
QC1792-9		✓	RIN N/A	
QC1792-10		✓	RIN N/A	
Sample 11		✓	RIN: 2.60	
Sample 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Nano  
 Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
 Modified: 3/27/2024 11:07:19 AM

**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

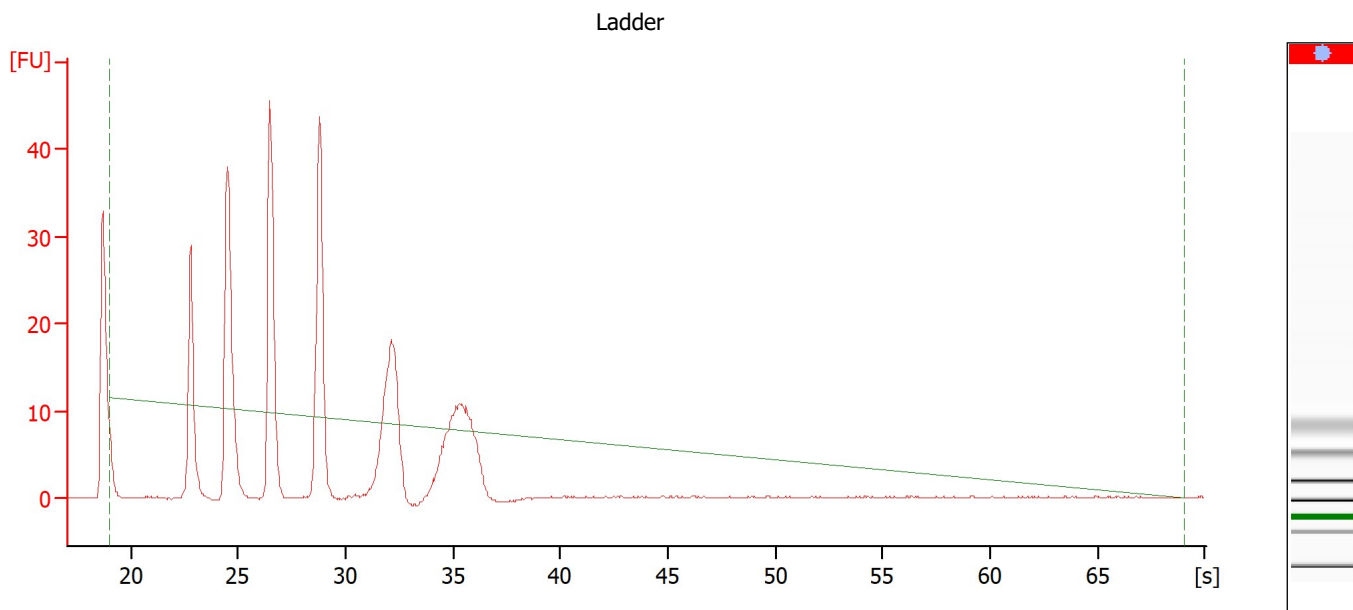
**Ladder**

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

### Electropherogram Summary



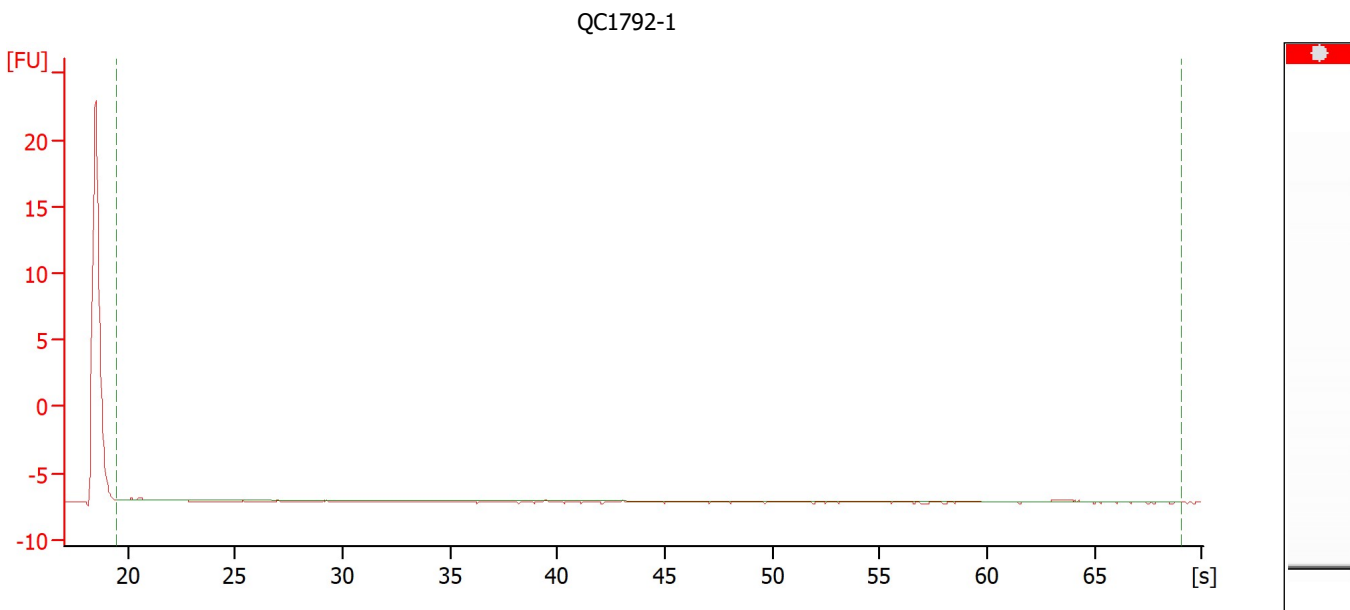
### Overall Results for Ladder

RNA Area:	98.8	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



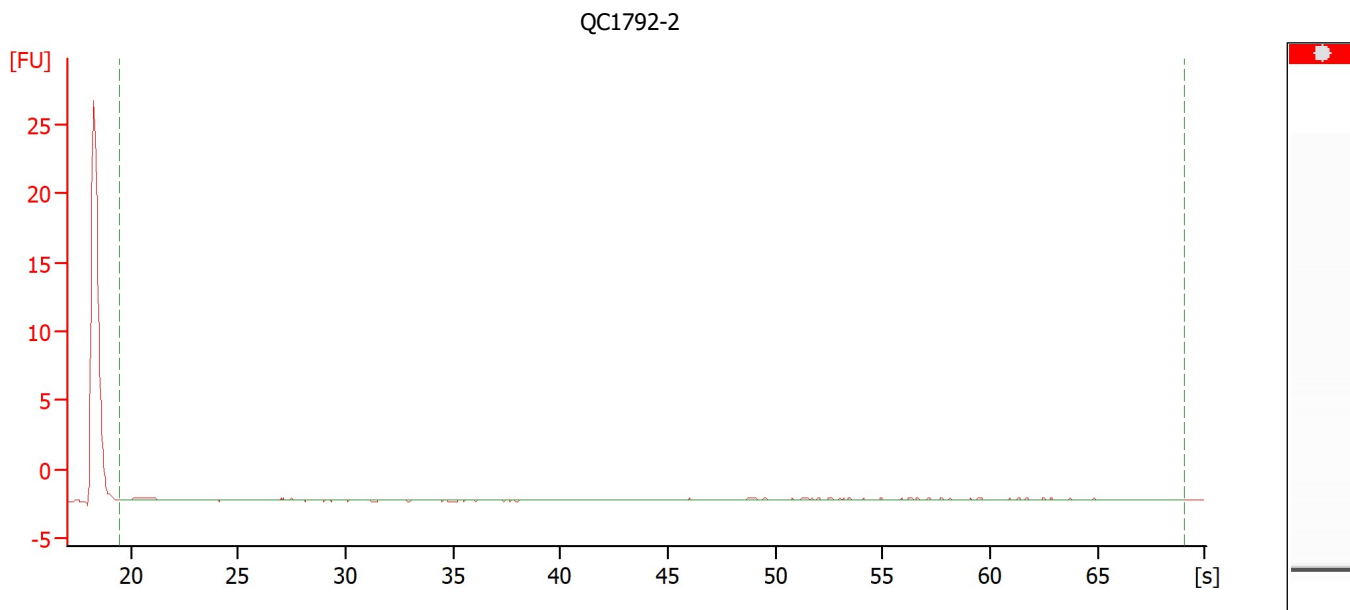
**Overall Results for sample 1 : QC1792-1**

RNA Concentration:	2 ng/μl	Result Flagging Color:	<span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px; background-color: #cccccc;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : QC1792-2**

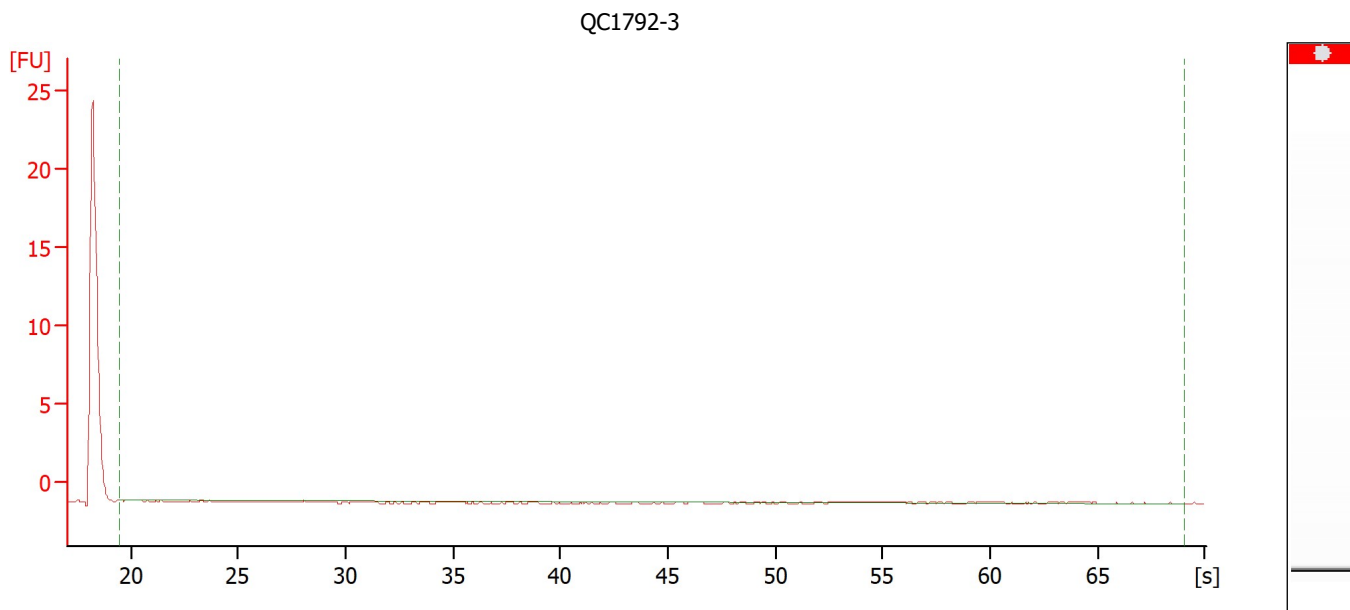
RNA Concentration: 2 ng/ $\mu$ l  
rRNA Ratio [25s / 18s]: 0.0

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : QC1792-3**

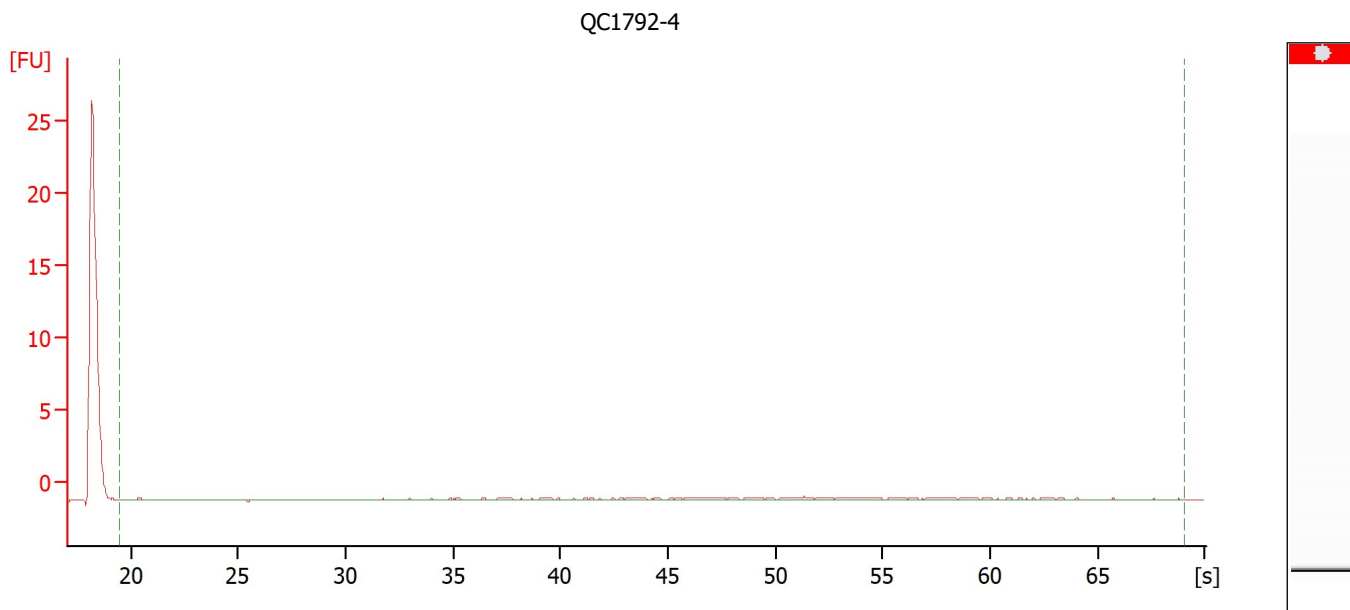
RNA Concentration: 1 ng/ $\mu$ l  
rRNA Ratio [25s / 18s]: 0.0

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : QC1792-4**

RNA Concentration: 6 ng/ $\mu$ l  
rRNA Ratio [25s / 18s]: 0.0

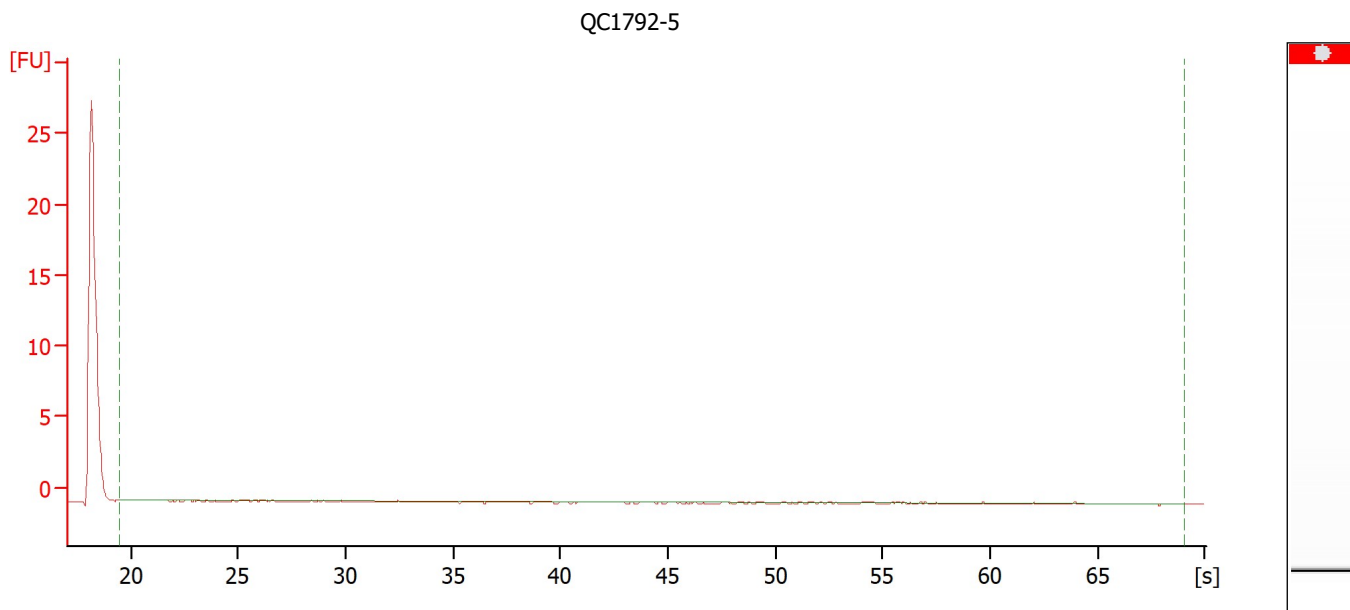
Result Flagging Color:   
Result Flagging Label: RIN N/A



Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : QC1792-5**

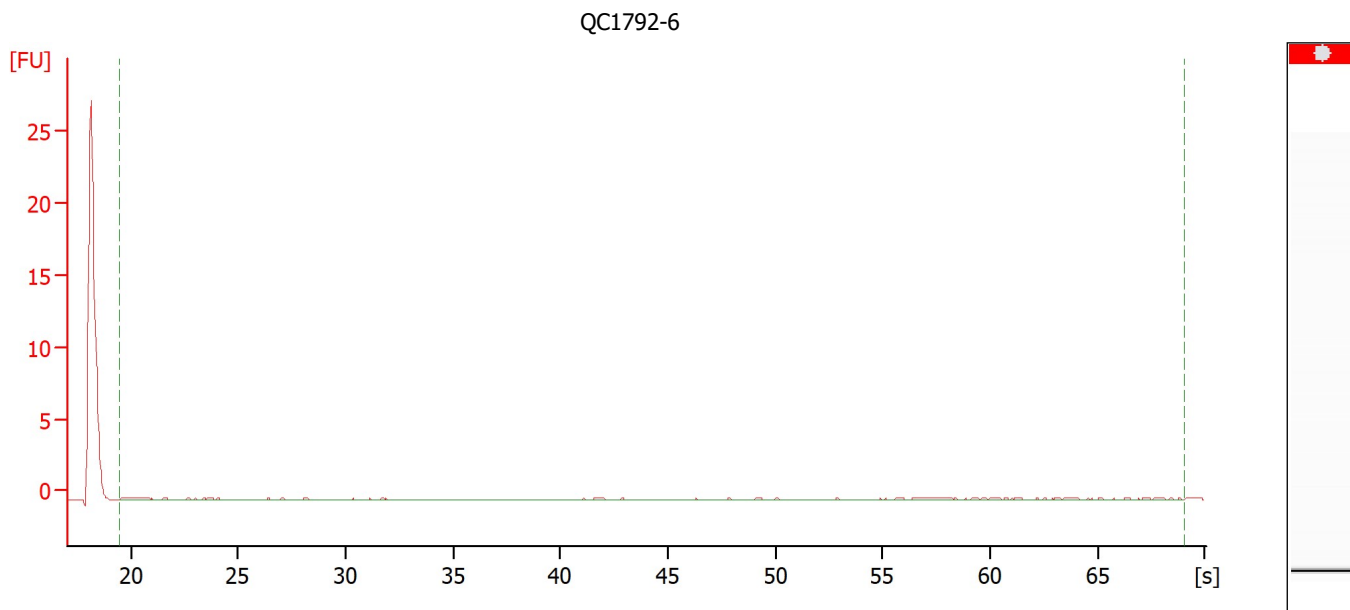
RNA Concentration: 1 ng/ $\mu$ l  
rRNA Ratio [25s / 18s]: 0.0

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : QC1792-6**

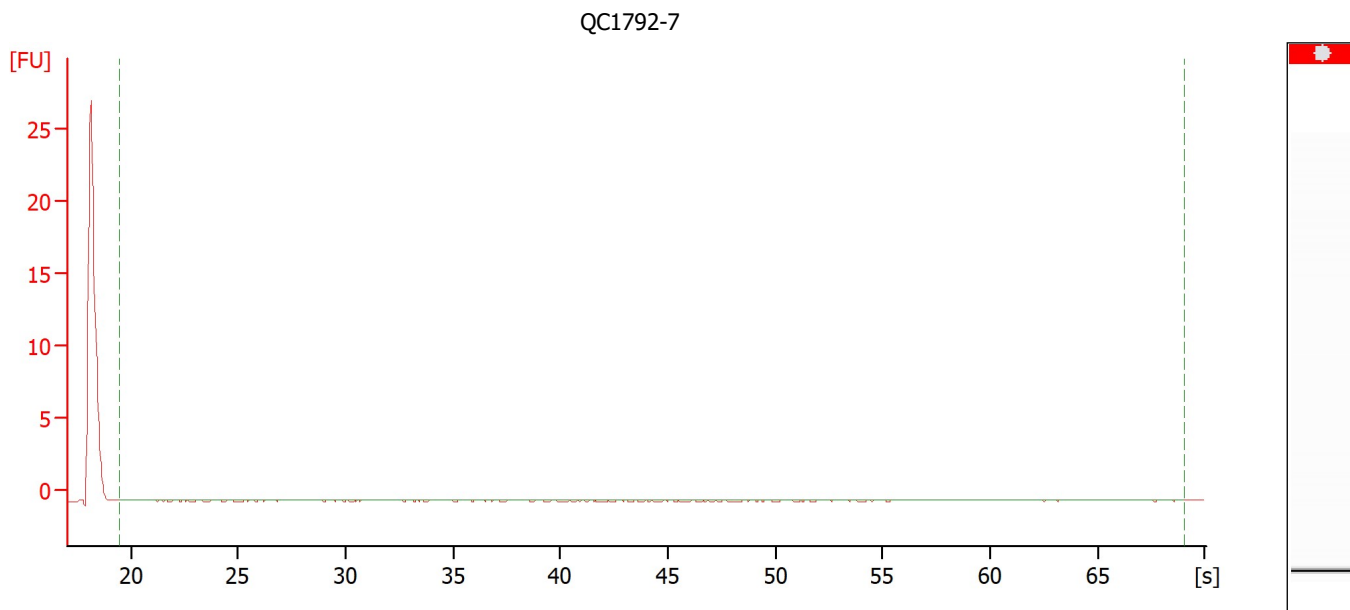
RNA Concentration: 3 ng/ $\mu$ l  
rRNA Ratio [25s / 18s]: 0.0

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : QC1792-7**

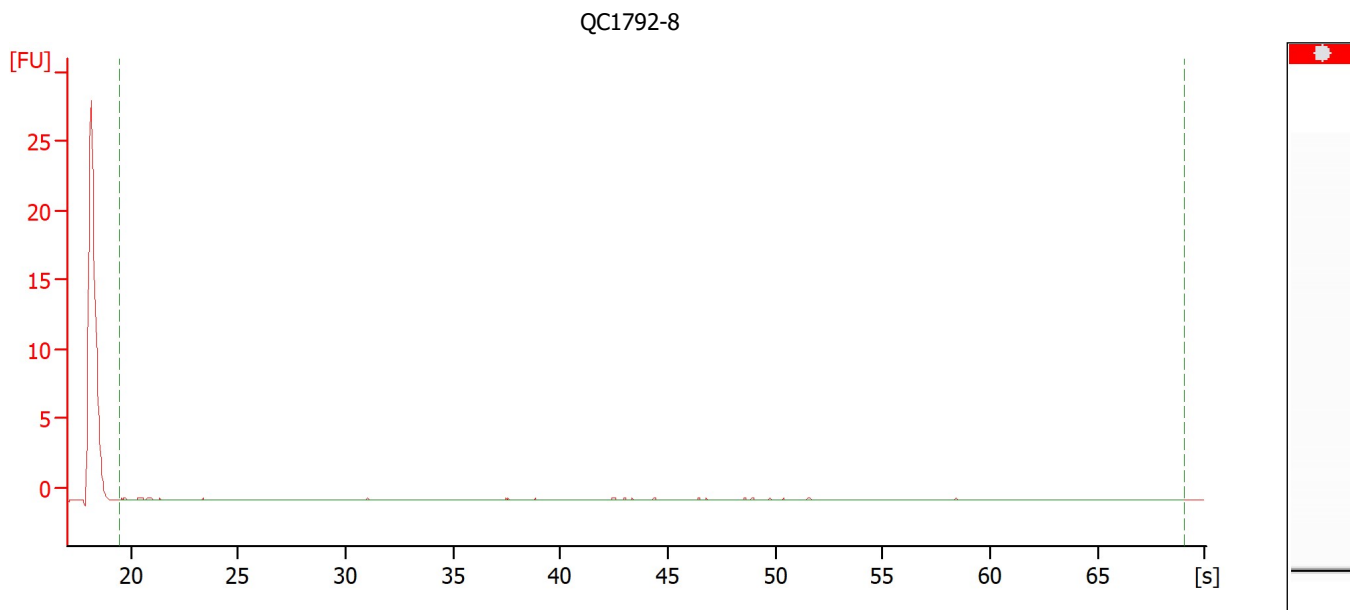
RNA Concentration: 1 ng/ $\mu$ l  
rRNA Ratio [25s / 18s]: 0.0

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1792-8**

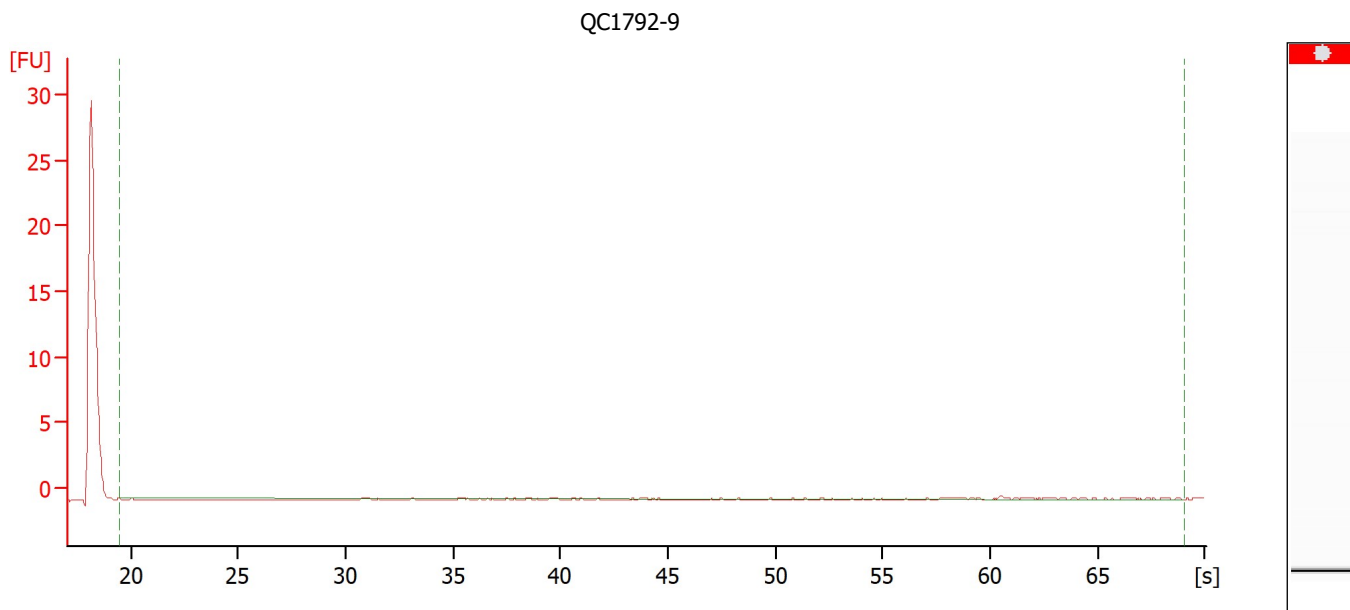
RNA Concentration: 4 ng/ $\mu$ l  
rRNA Ratio [25s / 18s]: 0.0

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : QC1792-9**

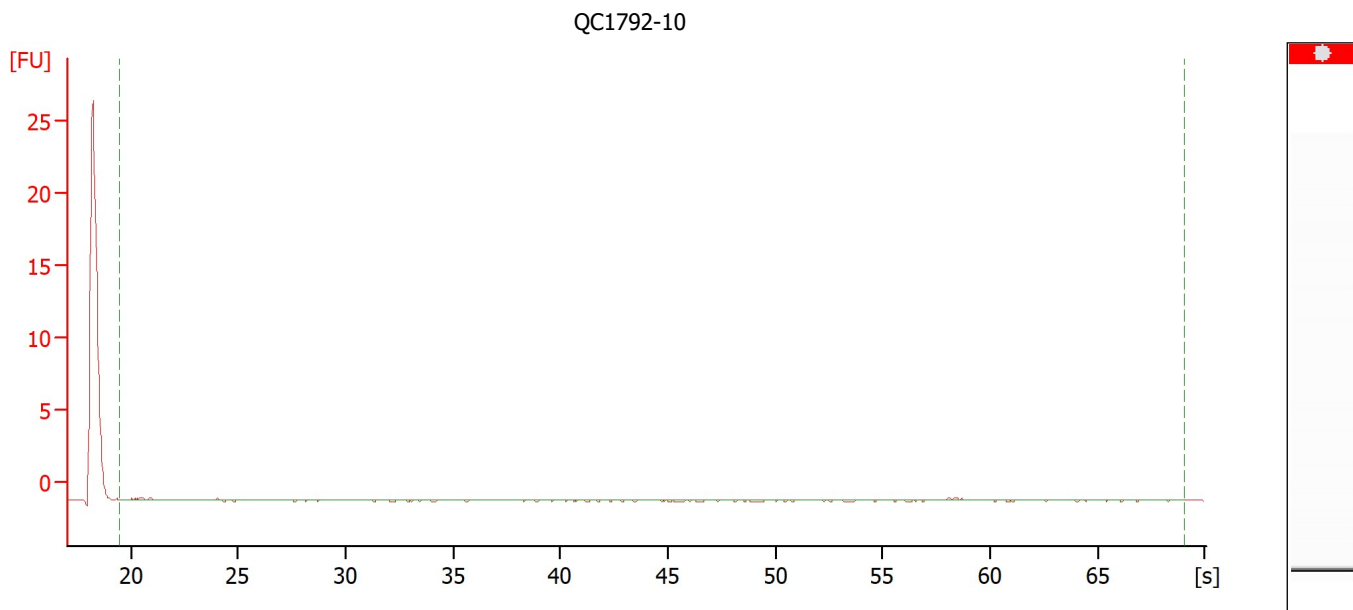
RNA Concentration: 2 ng/μl  
rRNA Ratio [25s / 18s]: 0.0

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

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

**Electropherogram Summary Continued ...**



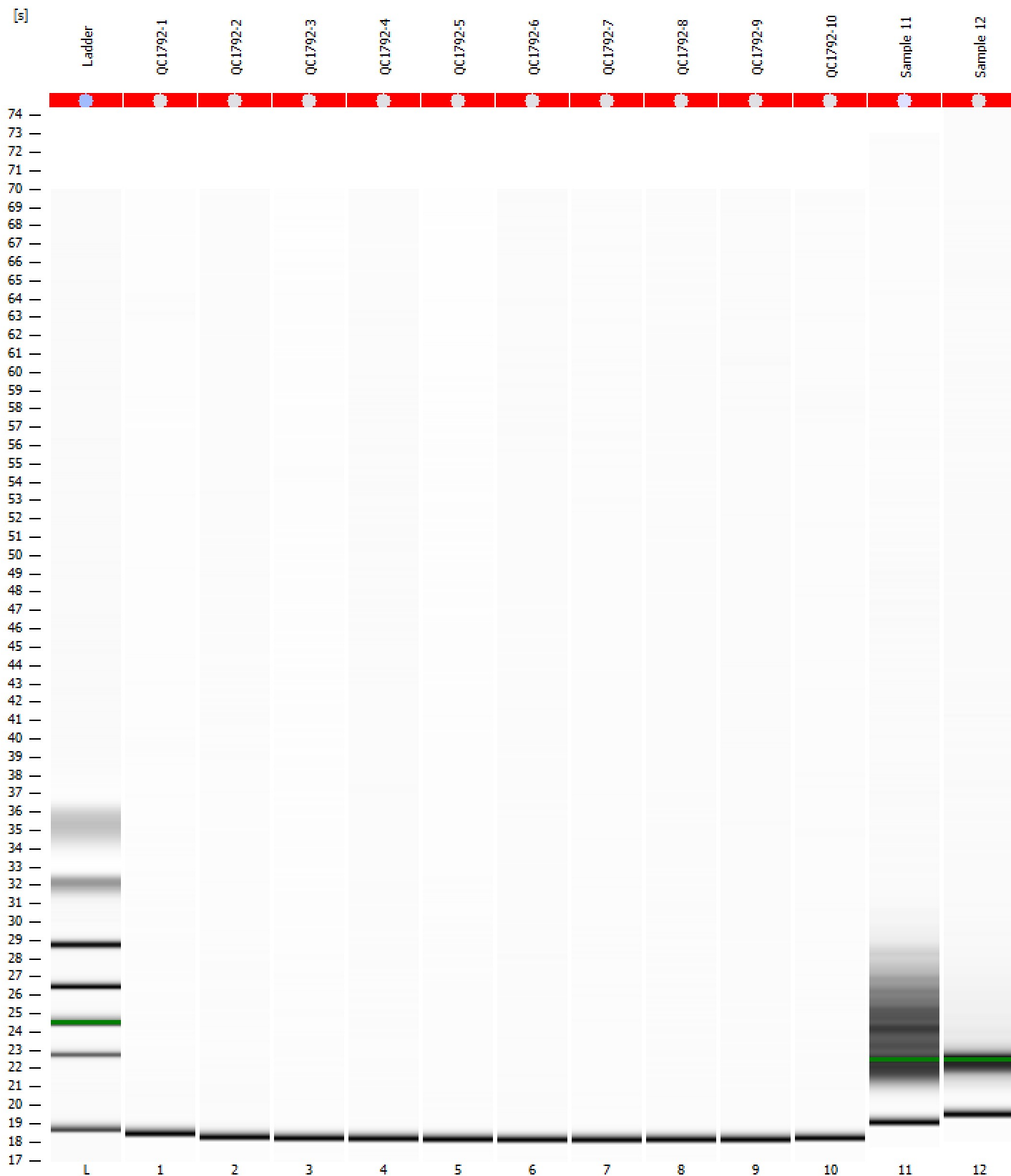
**Overall Results for sample 10 : QC1792-10**

RNA Concentration:	1 ng/ $\mu$ l	Result Flagging Color:	<span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px; background-color: #cccccc;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano  
Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
Modified: 3/27/2024 11:07:19 AM

Gel Image



Assay Class: Plant RNA Nano  
 Data Path: C:\...2\Bioanalyzer1\_Plant RNA Nano\_DE34903152\_2024-03-22\_001.xad

Created: 3/22/2024 11:00:36 AM  
 Modified: 3/27/2024 11:07:19 AM

**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		3/22/2024 11:24:26 AM	(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\2024-03-22\Bioanalyzer1_Plant RNA Nano_DE34903152_2024-03-22 Product Number : G2938C		Instrument	Run		3/22/2024 11:00:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/22/2024 11:00:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/22/2024 11:00:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/22/2024 11:00:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/22/2024 11:00:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/22/2024 11:00:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB