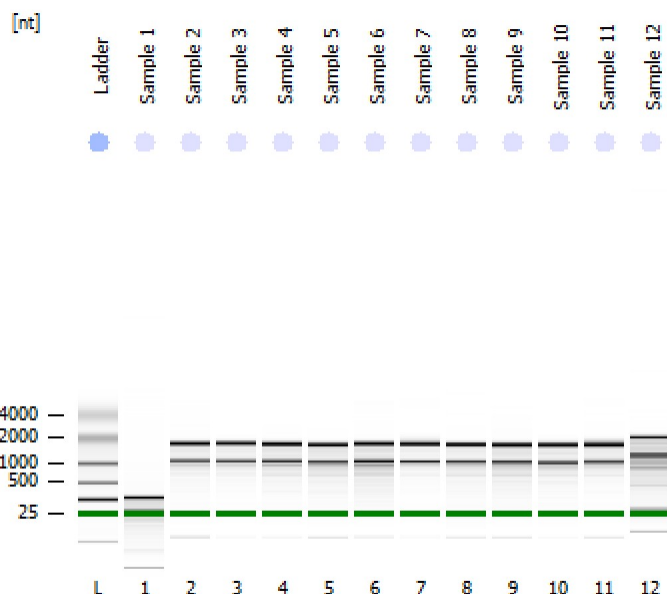


Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 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)

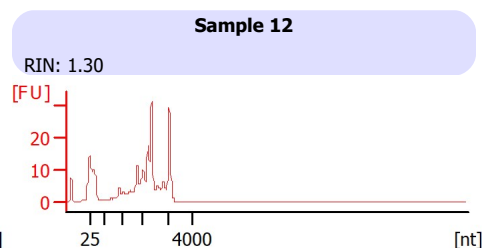
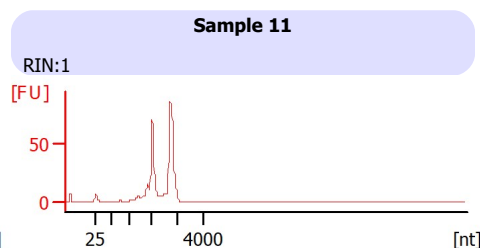
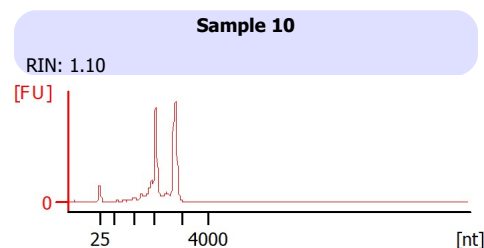
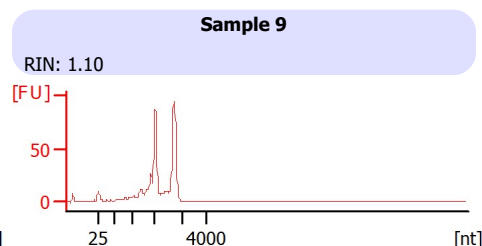
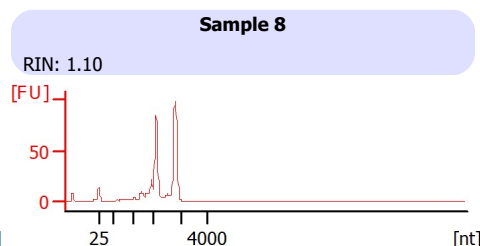
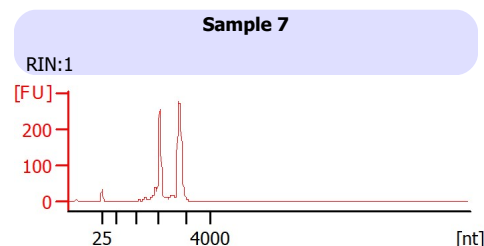
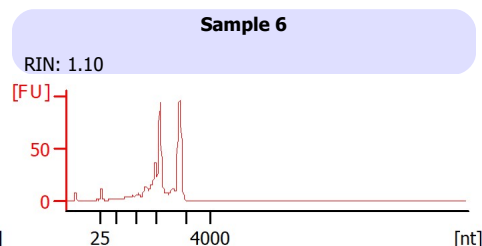
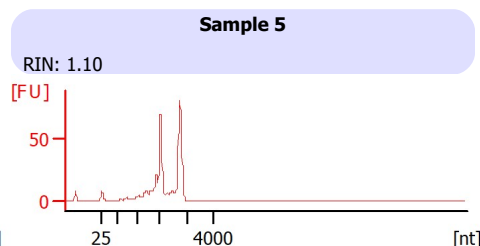
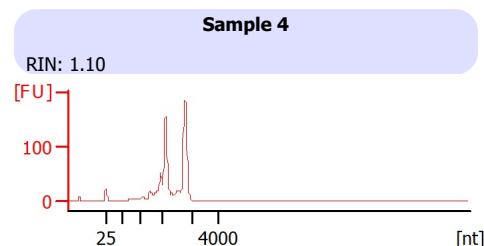
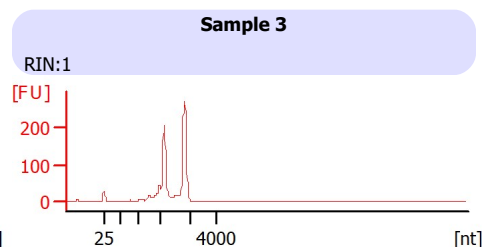
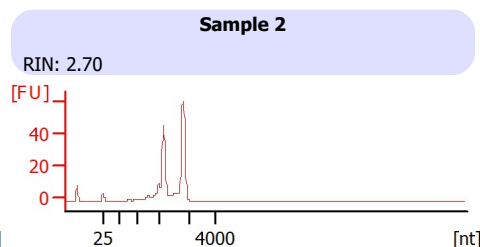
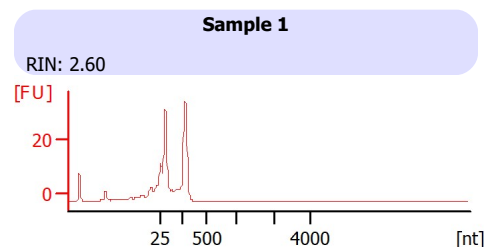
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Nano
 Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
 Modified: 9/2/2025 11:19:20 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 2.60	
Sample 2		✓	RIN: 2.70	
Sample 3		✓	RIN:1	
Sample 4		✓	RIN: 1.10	
Sample 5		✓	RIN: 1.10	
Sample 6		✓	RIN: 1.10	
Sample 7		✓	RIN:1	
Sample 8		✓	RIN: 1.10	
Sample 9		✓	RIN: 1.10	
Sample 10		✓	RIN: 1.10	
Sample 11		✓	RIN:1	
Sample 12		✓	RIN: 1.30	
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_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 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

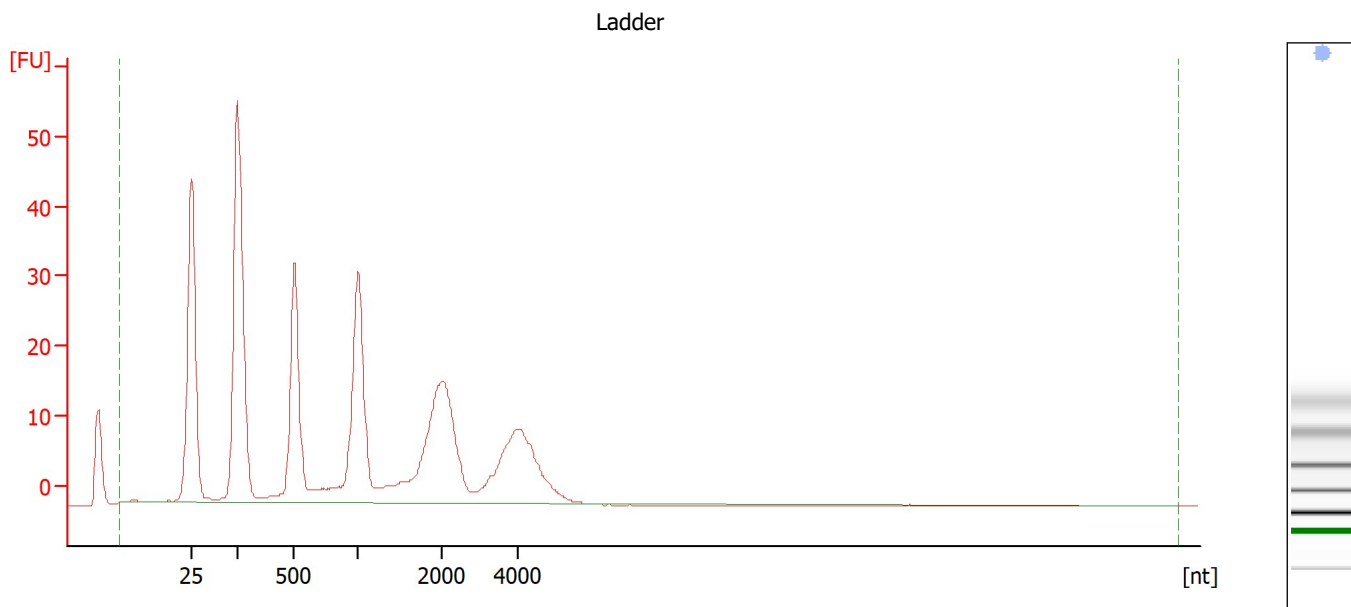
Ladder

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_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 416.2

Result Flagging Color:



RNA Concentration: 150 ng/μl

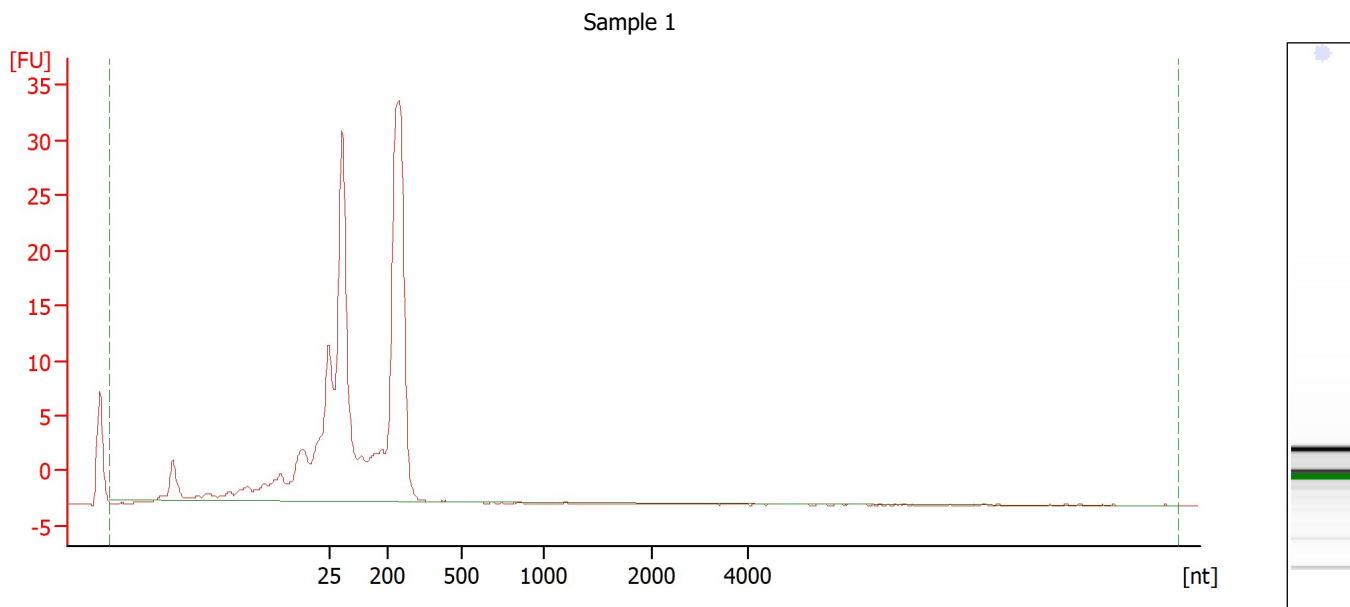
Result Flagging Label:

All Other Samples

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



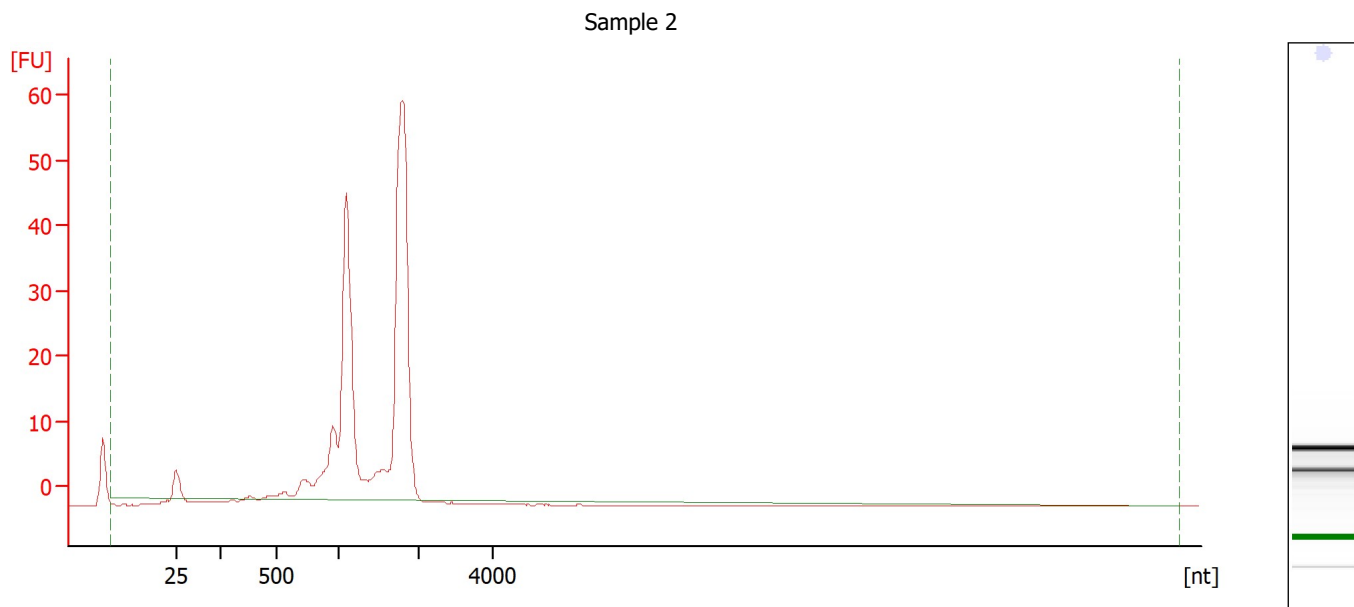
Overall Results for sample 1 : Sample 1

RNA Area:	185.7	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	67 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



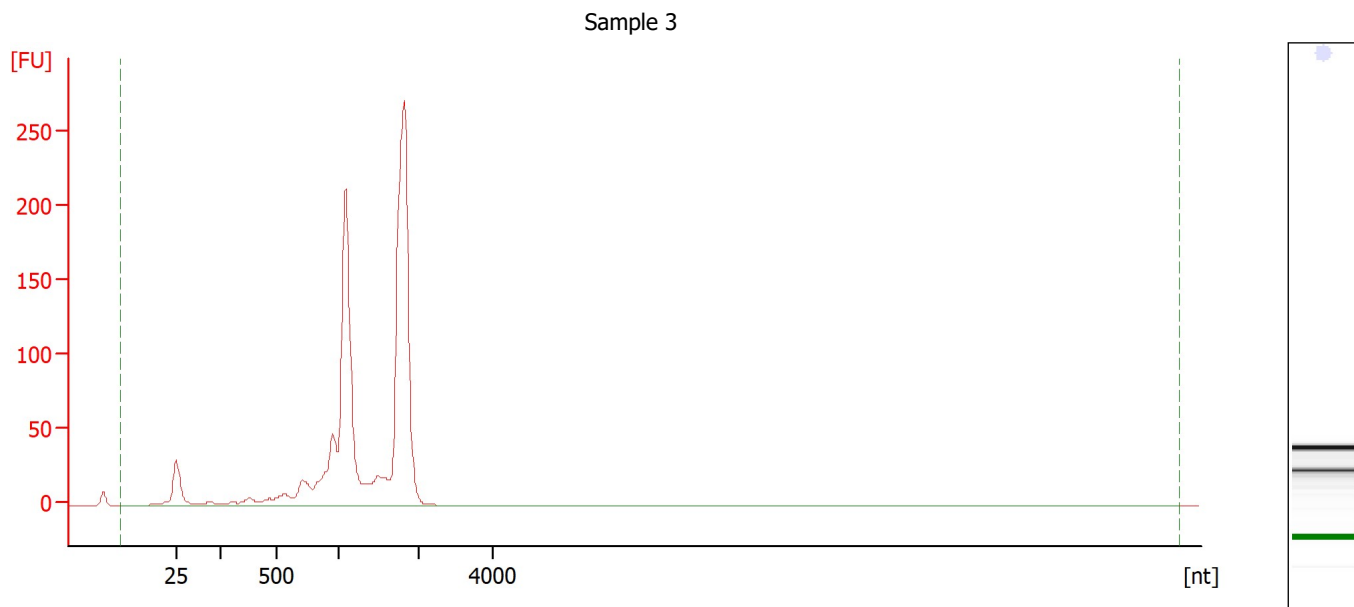
Overall Results for sample 2 : Sample 2

RNA Area:	242.6	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	87 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



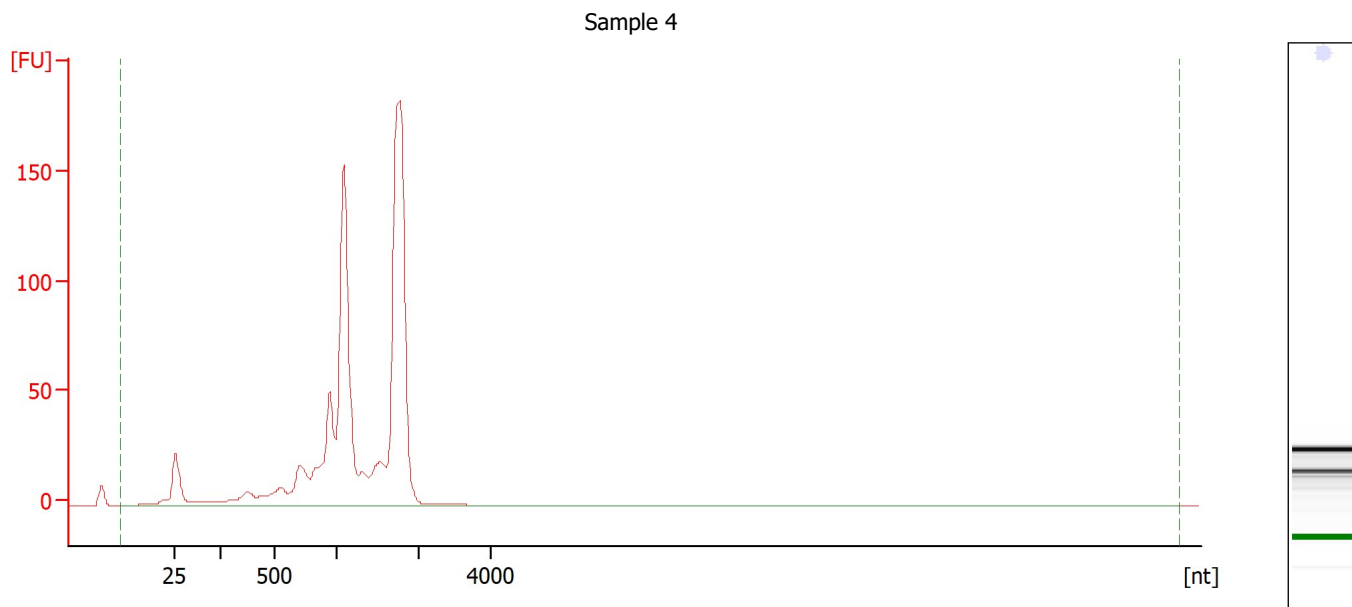
Overall Results for sample 3 : Sample 3

RNA Area:	1,137.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	410 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



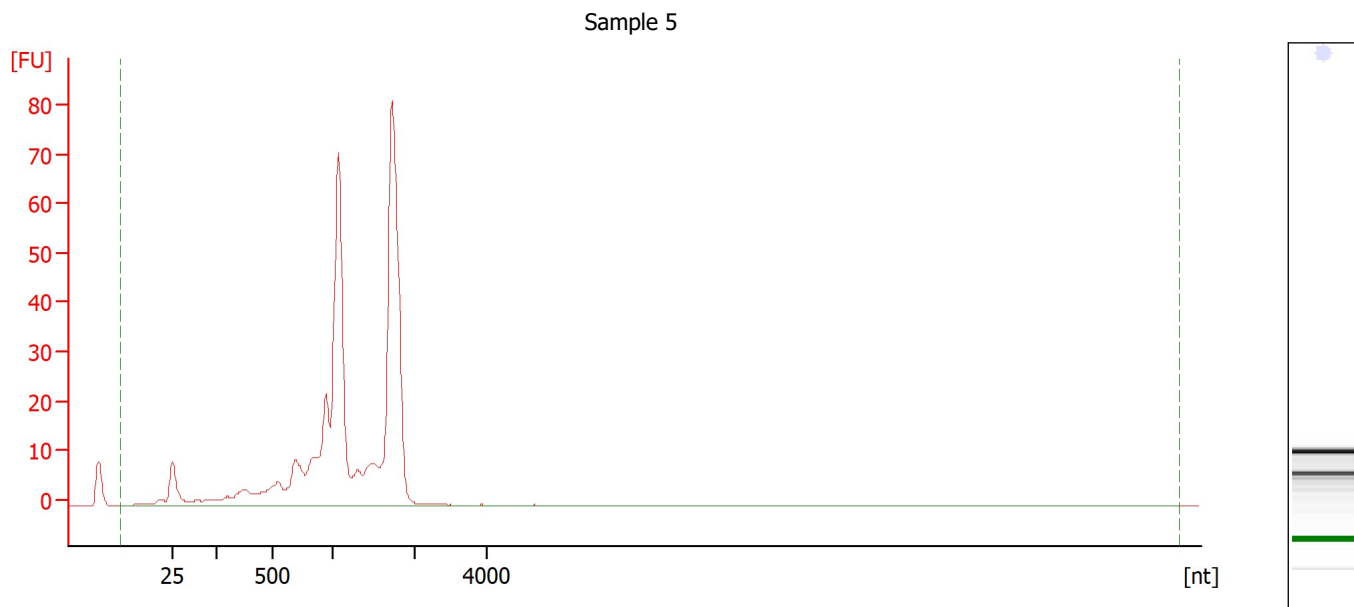
Overall Results for sample 4 : Sample 4

RNA Area:	918.2	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	331 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

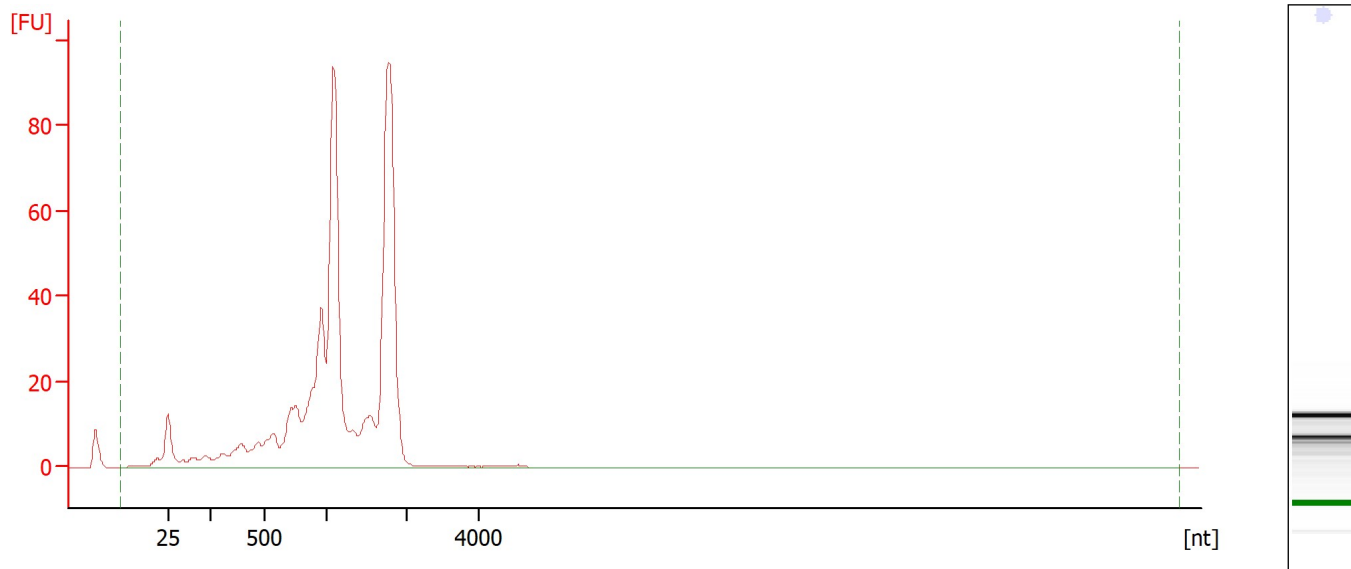
RNA Area:	410.0	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	148 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

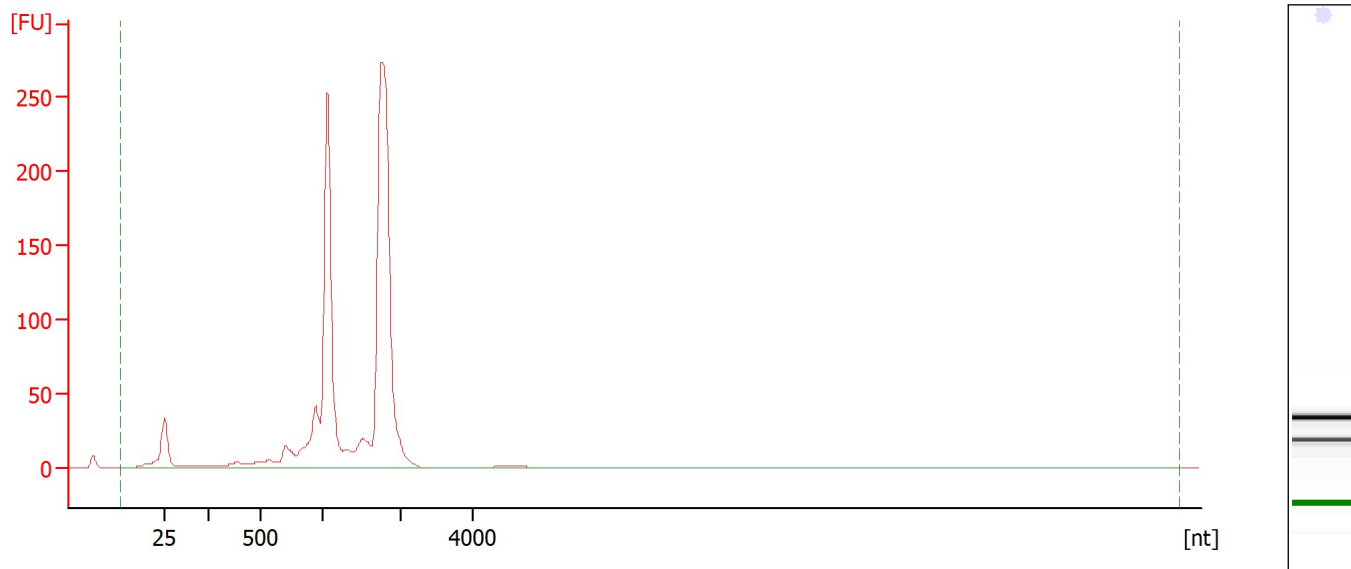
RNA Area:	581.3	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	209 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

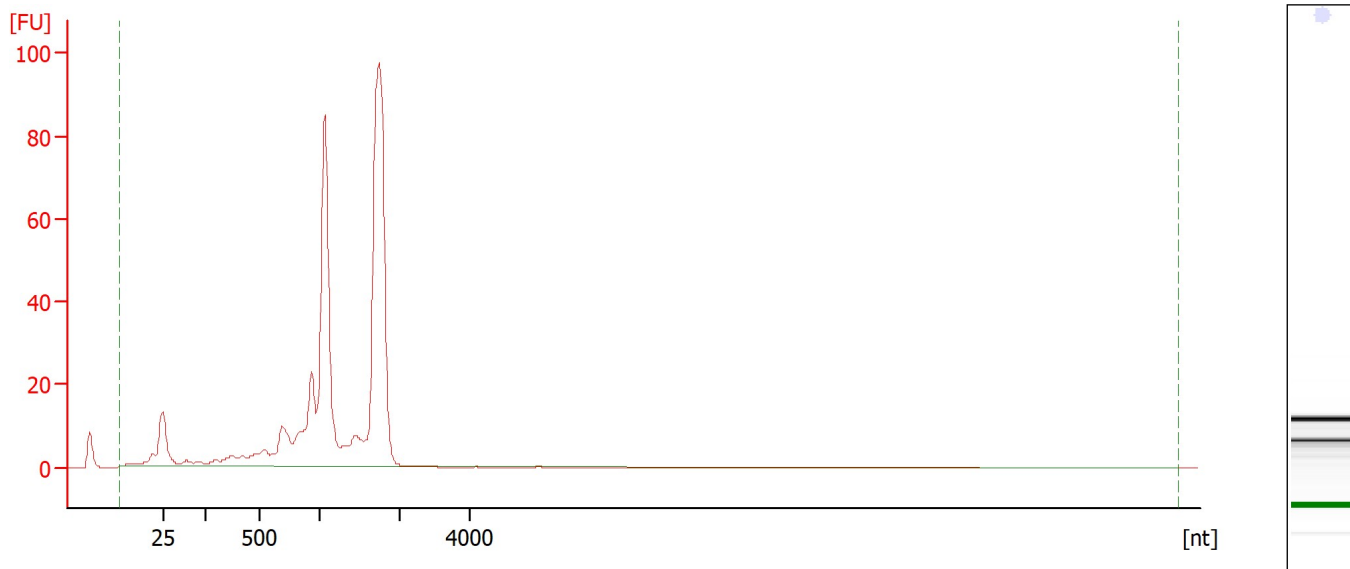
RNA Area:	1,150.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	415 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...

Sample 8



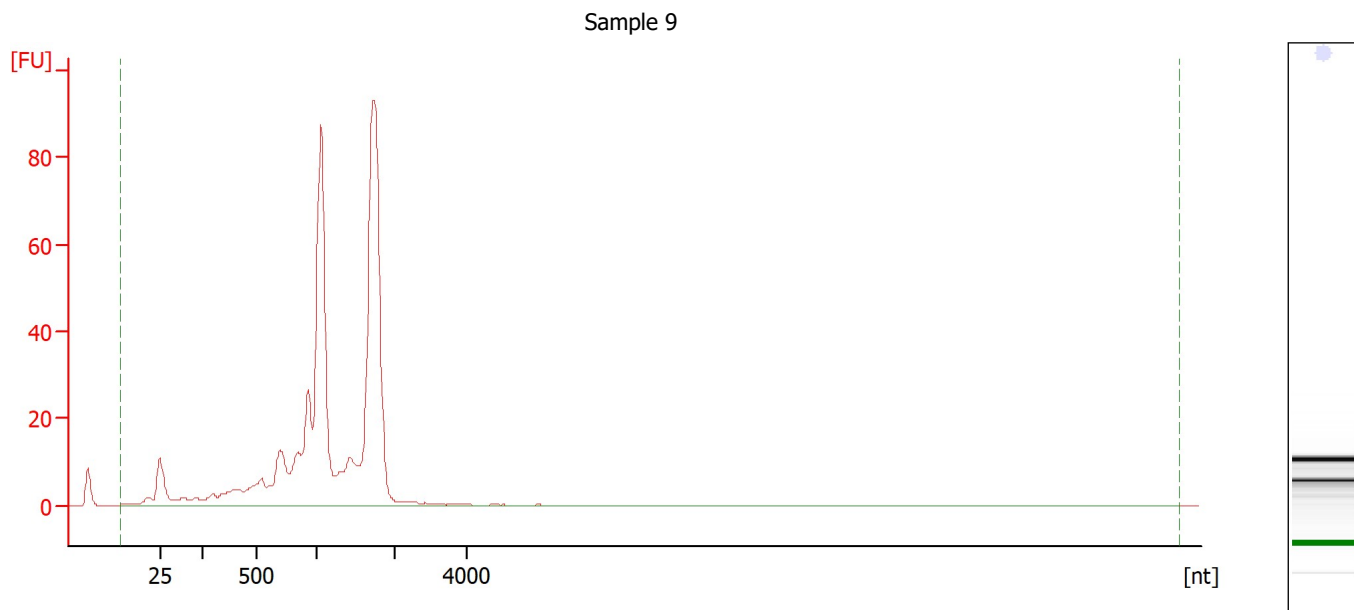
Overall Results for sample 8 : Sample 8

RNA Area:	448.6	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	162 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



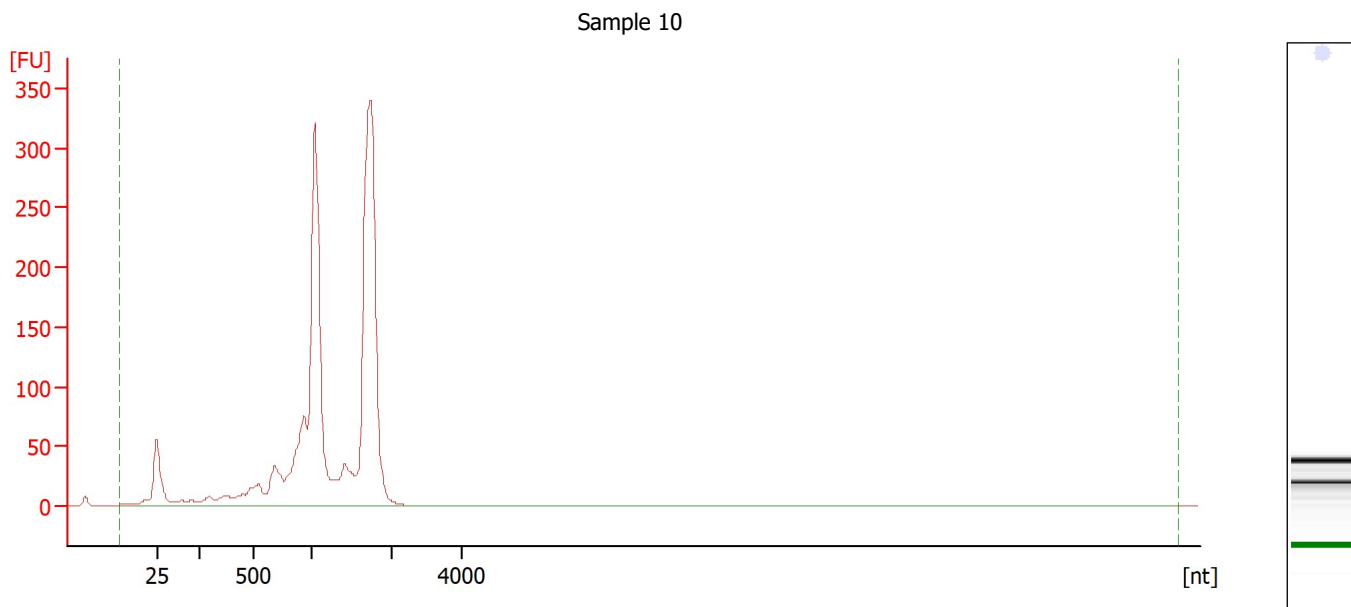
Overall Results for sample 9 : Sample 9

RNA Area:	507.3	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	183 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



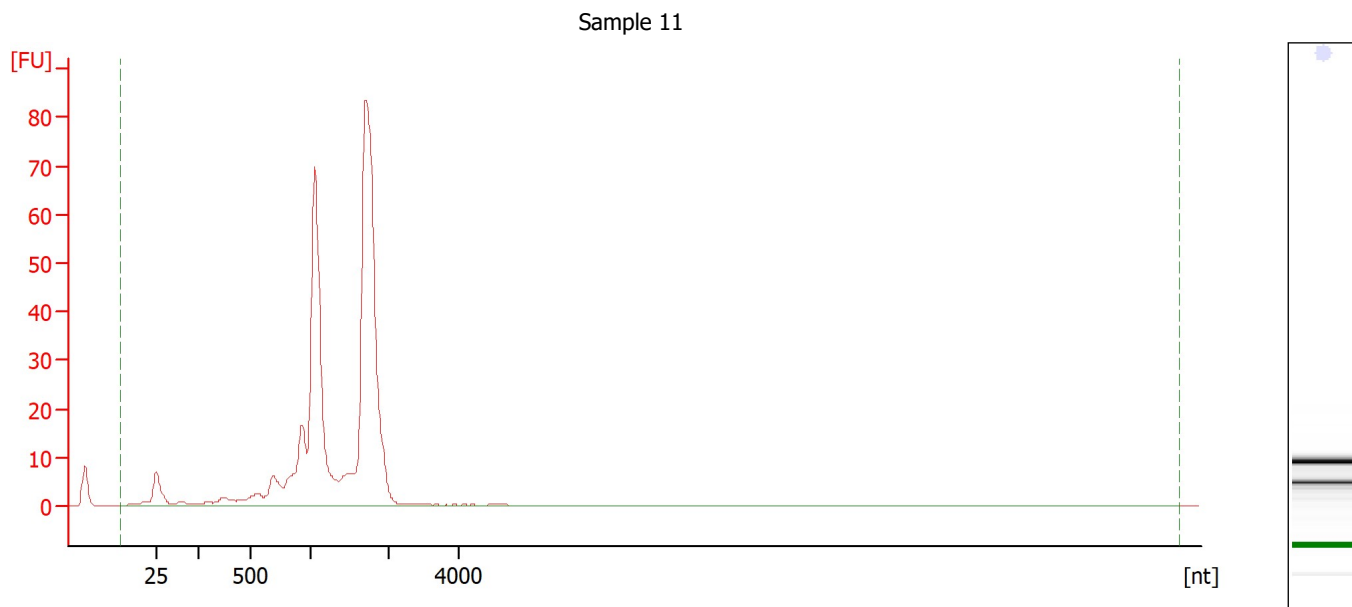
Overall Results for sample 10 : Sample 10

RNA Area:	1,694.3	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	611 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

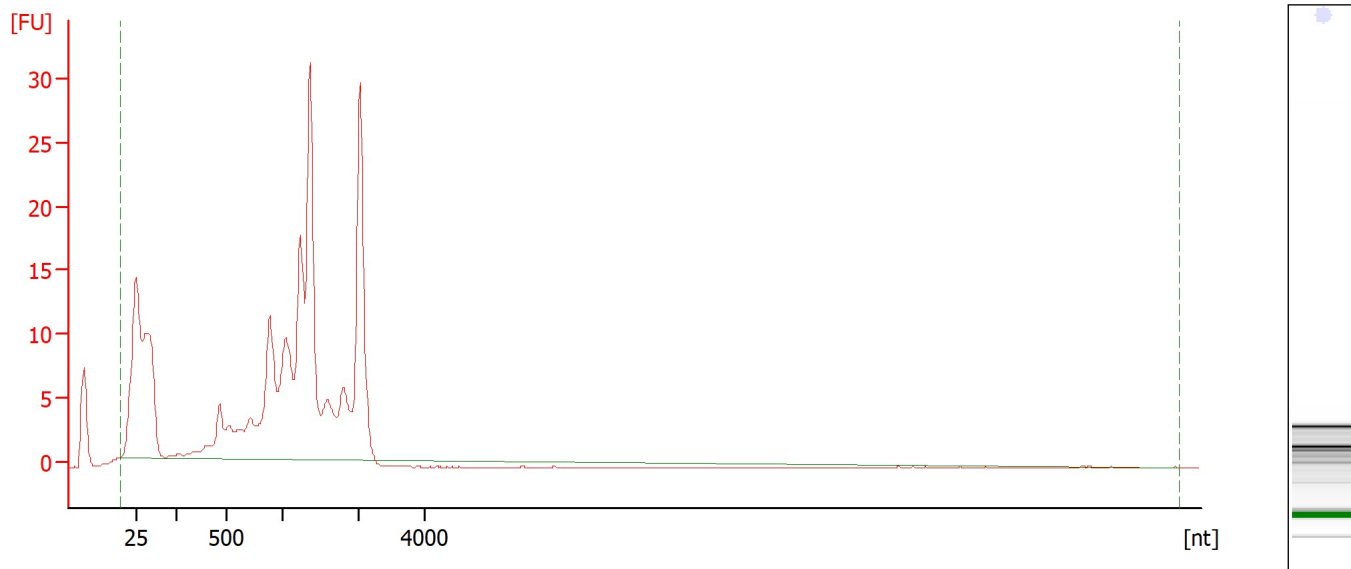
RNA Area:	403.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	146 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Electropherogram Summary Continued ...

Sample 12



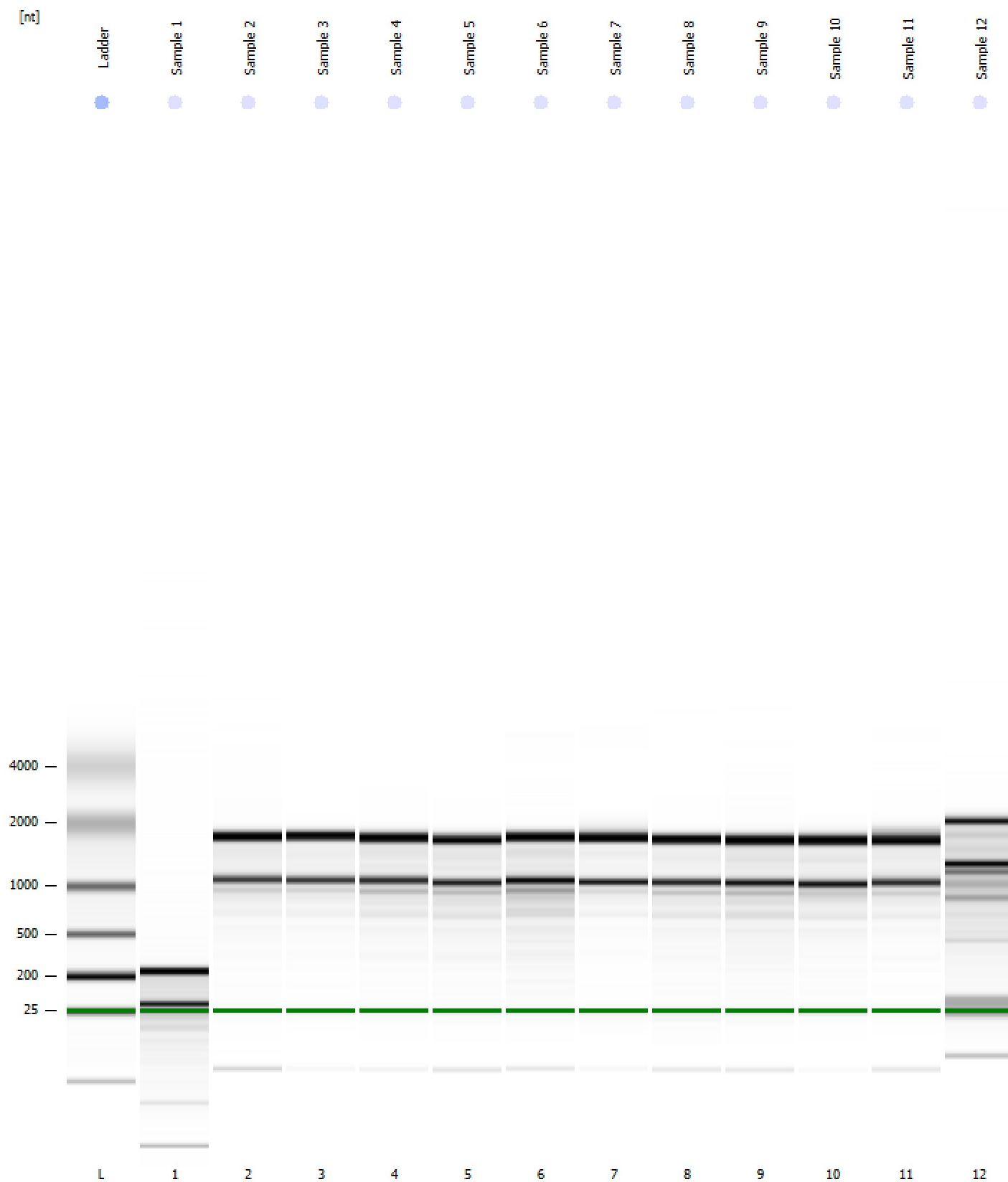
Overall Results for sample 12 : Sample 12

RNA Area:	193.8	RNA Integrity Number (RIN):	1.3 (B.02.10)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:19:20 AM

Gel Image



Assay Class: Plant RNA Nano
 Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad
 Created: 9/2/2025 10:31:15 AM
 Modified: 9/2/2025 11:19:20 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		9/2/2025 10:54:17 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\2025-09-02\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02 Product Number : G2938C		Instrument	Run		9/2/2025 10:31:16 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/2/2025 10:31:16 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/2/2025 10:31:16 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/2/2025 10:31:16 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/2/2025 10:31:16 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/2/2025 10:31:16 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB