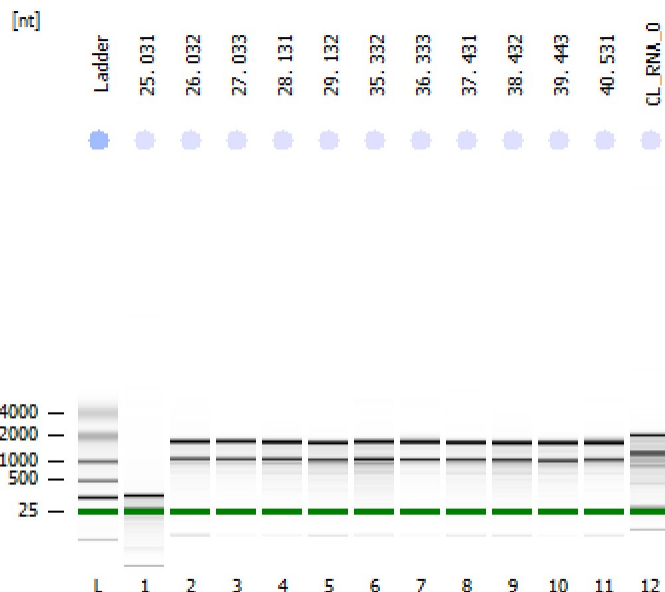


Assay Class: Plant RNA Nano
Data Path: C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad

Created: 9/2/2025 10:31:15 AM
Modified: 9/2/2025 11:26:52 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)

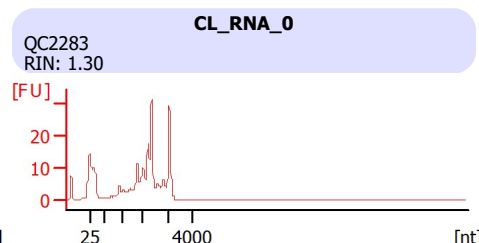
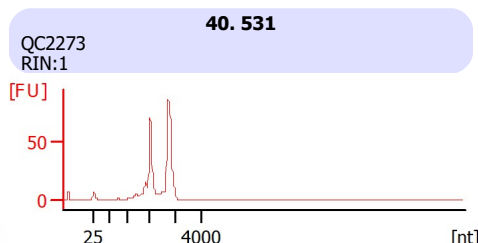
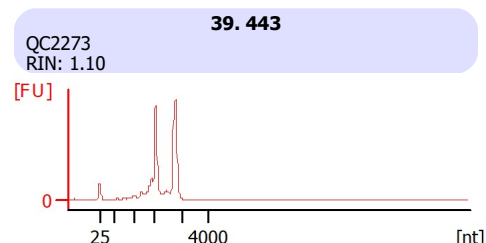
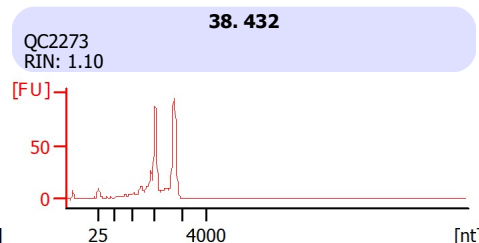
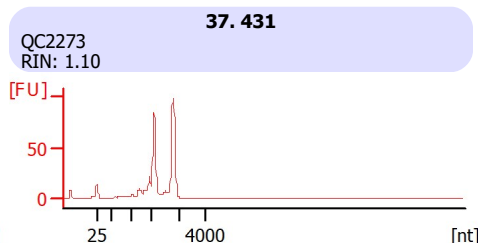
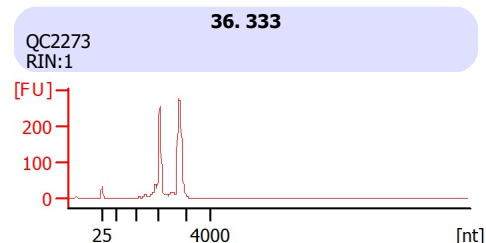
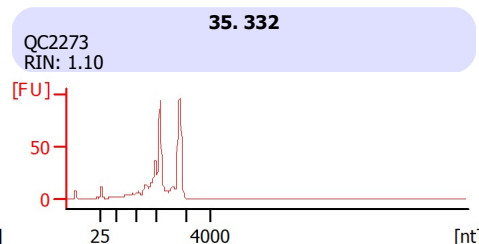
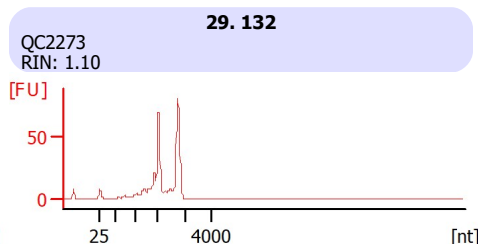
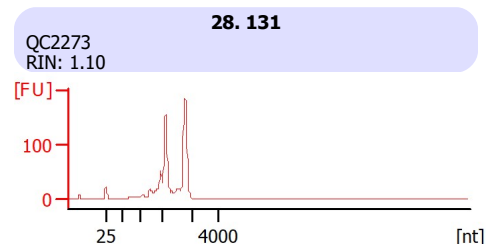
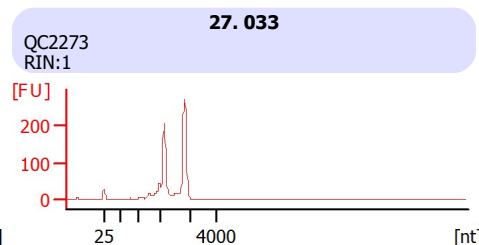
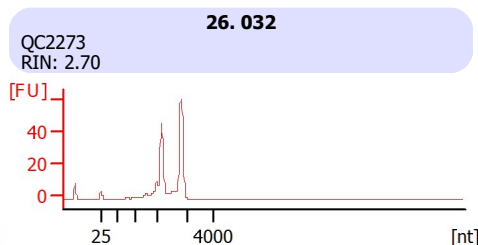
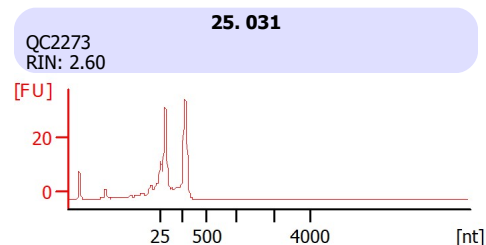
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Chip Information:

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 11:26:52 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
25. 031	QC2273	✓	RIN: 2.60	
26. 032	QC2273	✓	RIN: 2.70	
27. 033	QC2273	✓	RIN:1	
28. 131	QC2273	✓	RIN: 1.10	
29. 132	QC2273	✓	RIN: 1.10	
35. 332	QC2273	✓	RIN: 1.10	
36. 333	QC2273	✓	RIN:1	
37. 431	QC2273	✓	RIN: 1.10	
38. 432	QC2273	✓	RIN: 1.10	
39. 443	QC2273	✓	RIN: 1.10	
40. 531	QC2273	✓	RIN:1	
CL_RNA_0	QC2283	✓	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 11:26:52 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

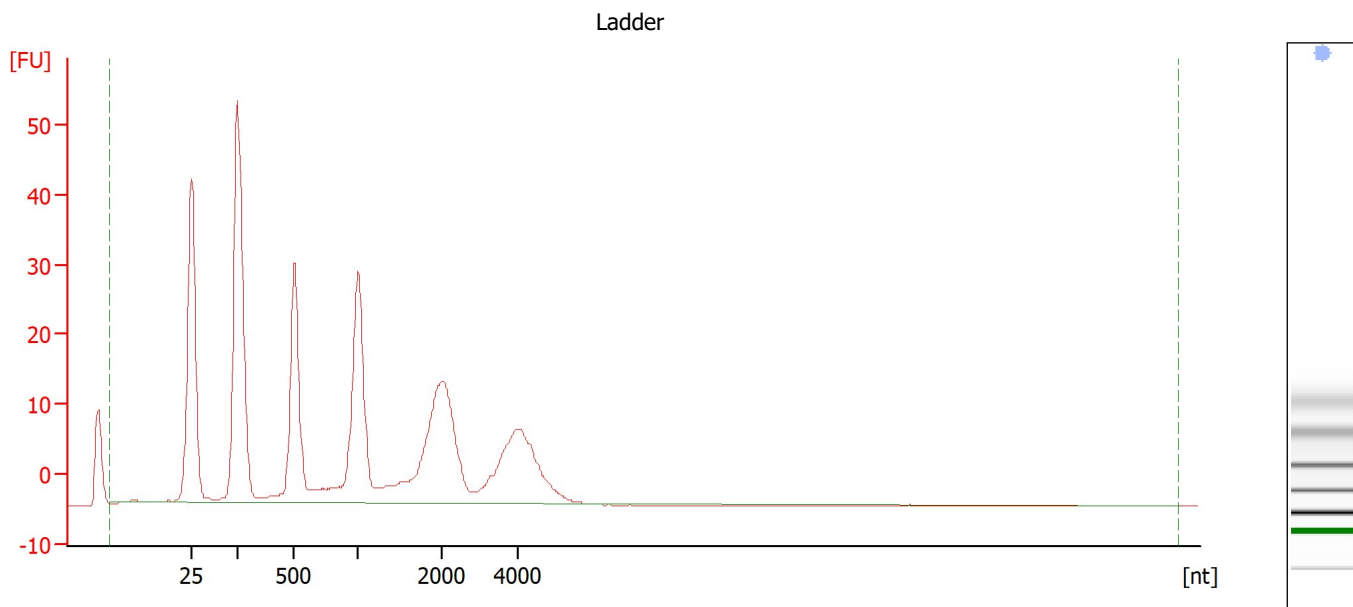
Ladder

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 11:26:52 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 420.7

Result Flagging Color:



RNA Concentration: 150 ng/μl

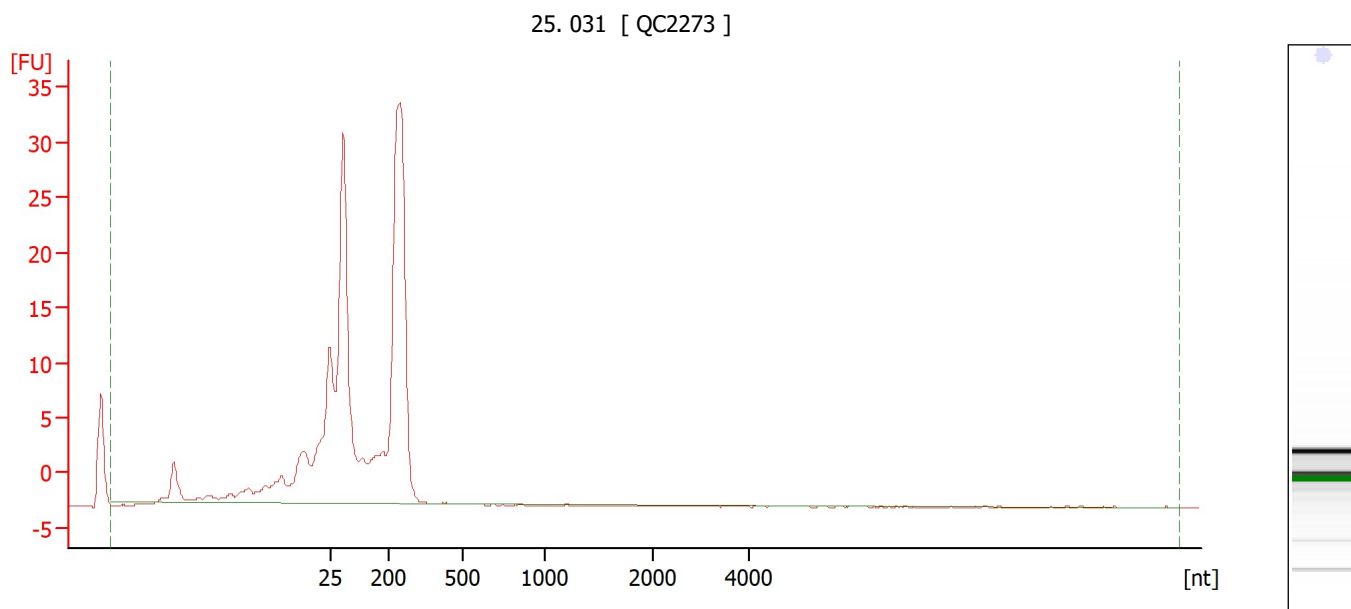
Result Flagging Label:

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 11:26:52 AM

Electropherogram Summary Continued ...



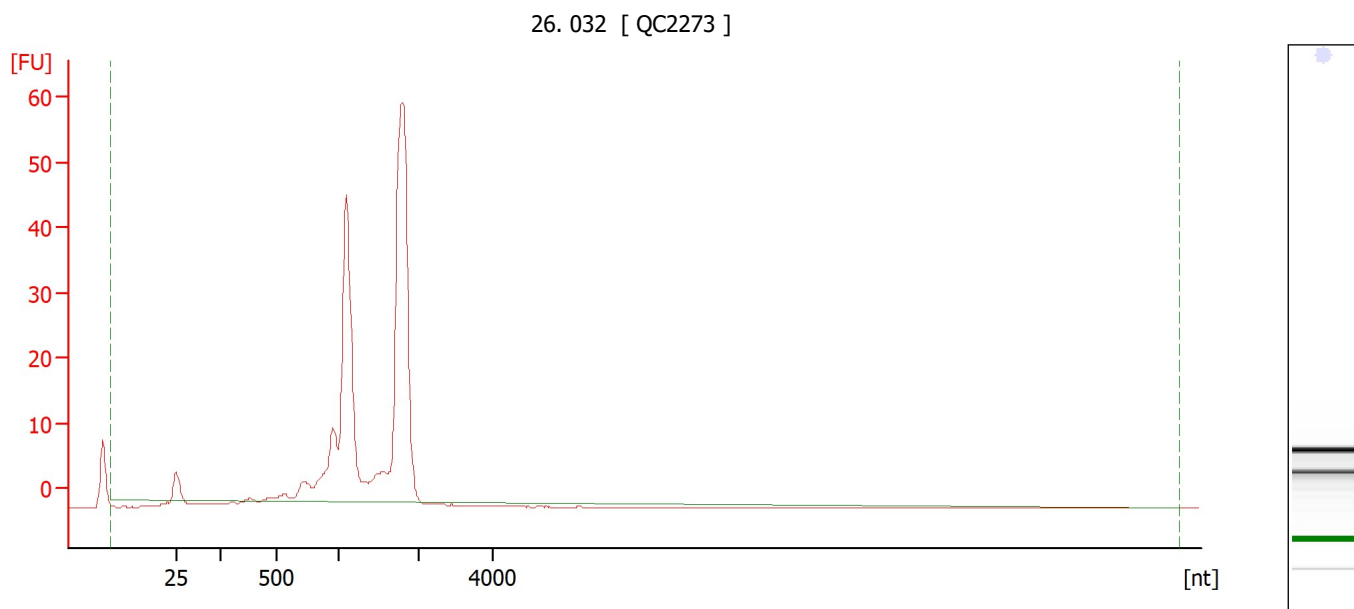
Overall Results for sample 1 : 25.031

RNA Area:	185.7	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	66 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 11:26:52 AM

Electropherogram Summary Continued ...



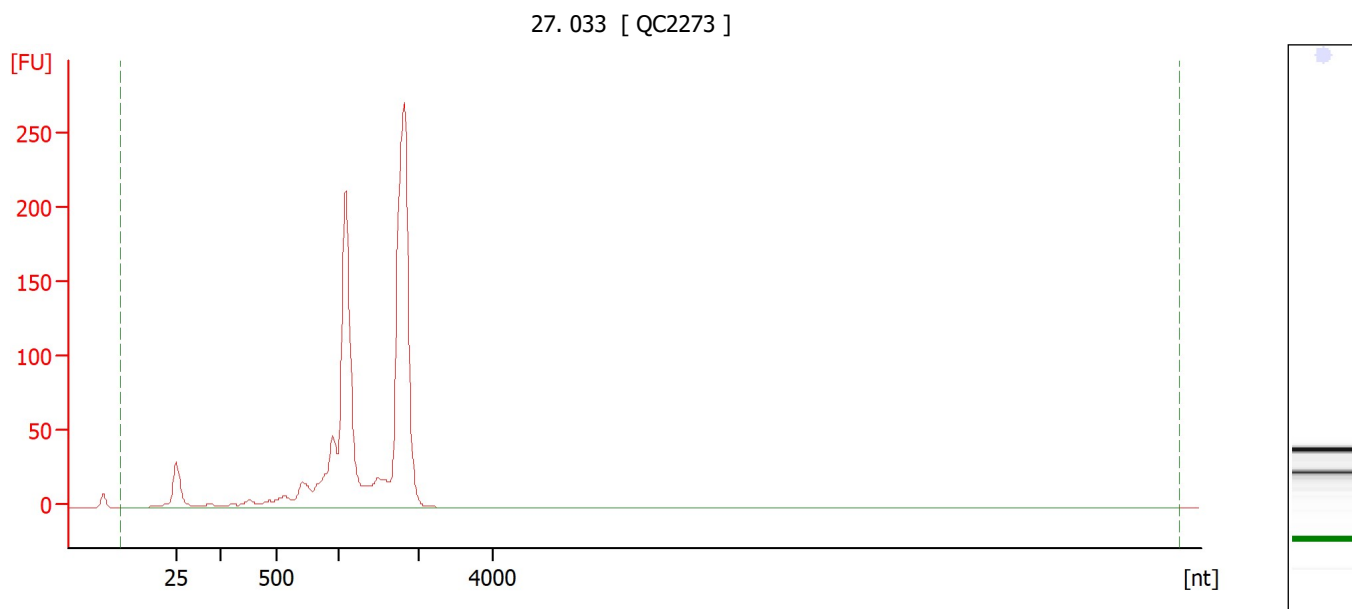
Overall Results for sample 2 : 26.032

RNA Area:	242.6	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	86 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 11:26:52 AM

Electropherogram Summary Continued ...



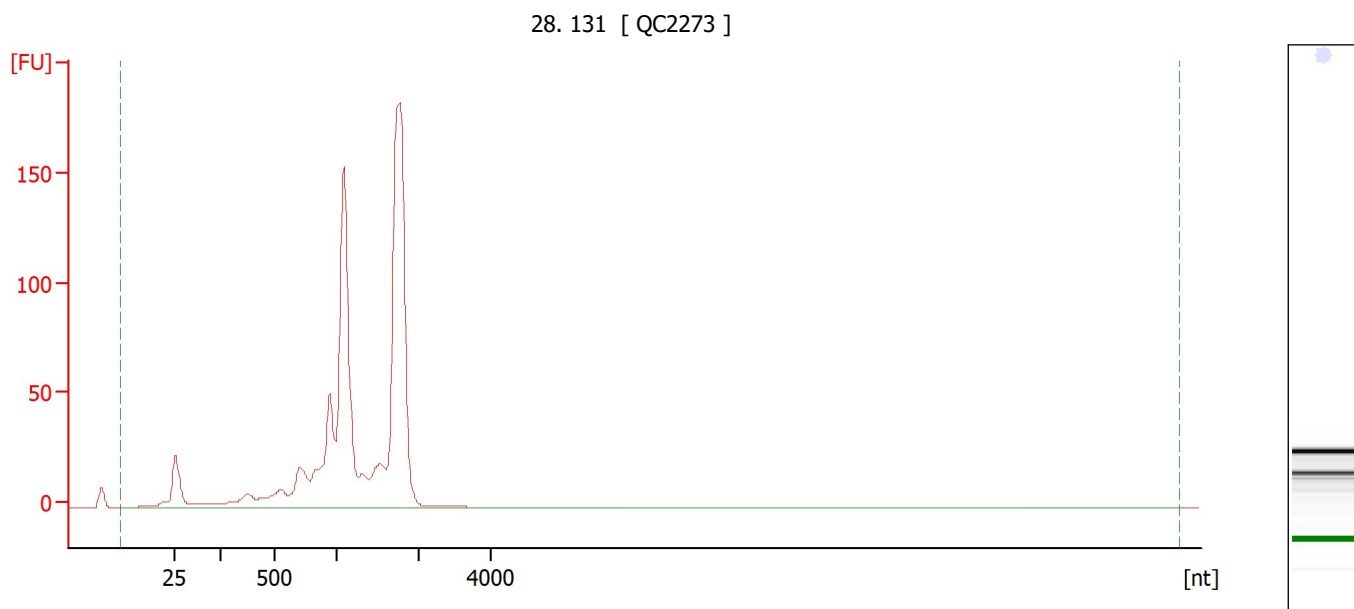
Overall Results for sample 3 : 27.033

RNA Area:	1,137.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	406 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 11:26:52 AM

Electropherogram Summary Continued ...



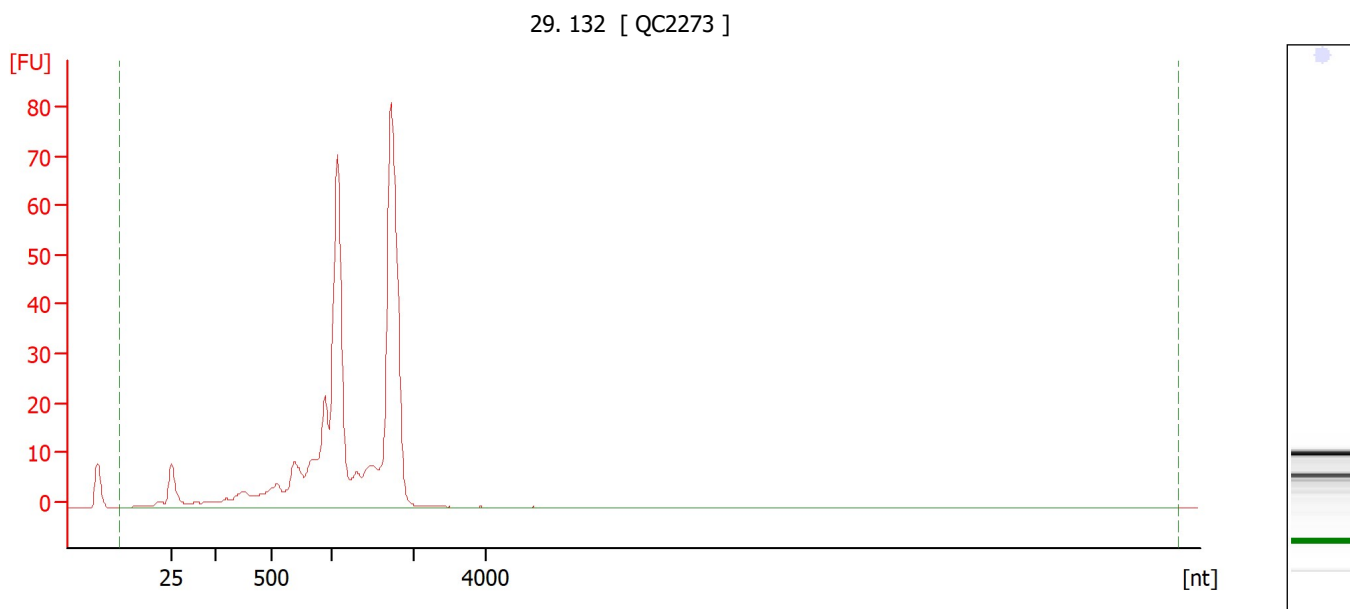
Overall Results for sample 4 : 28.131

RNA Area:	918.2	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	327 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 11:26:52 AM

Electropherogram Summary Continued ...



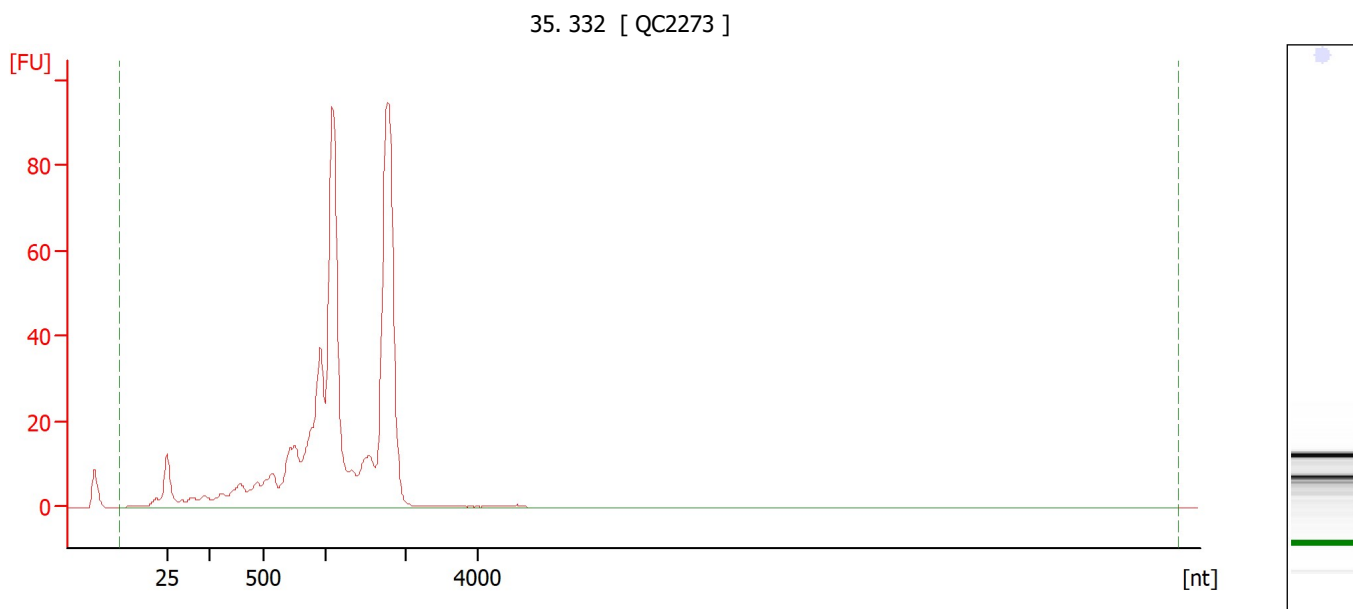
Overall Results for sample 5 : 29.132

RNA Area:	410.0	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	146 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 11:26:52 AM

Electropherogram Summary Continued ...



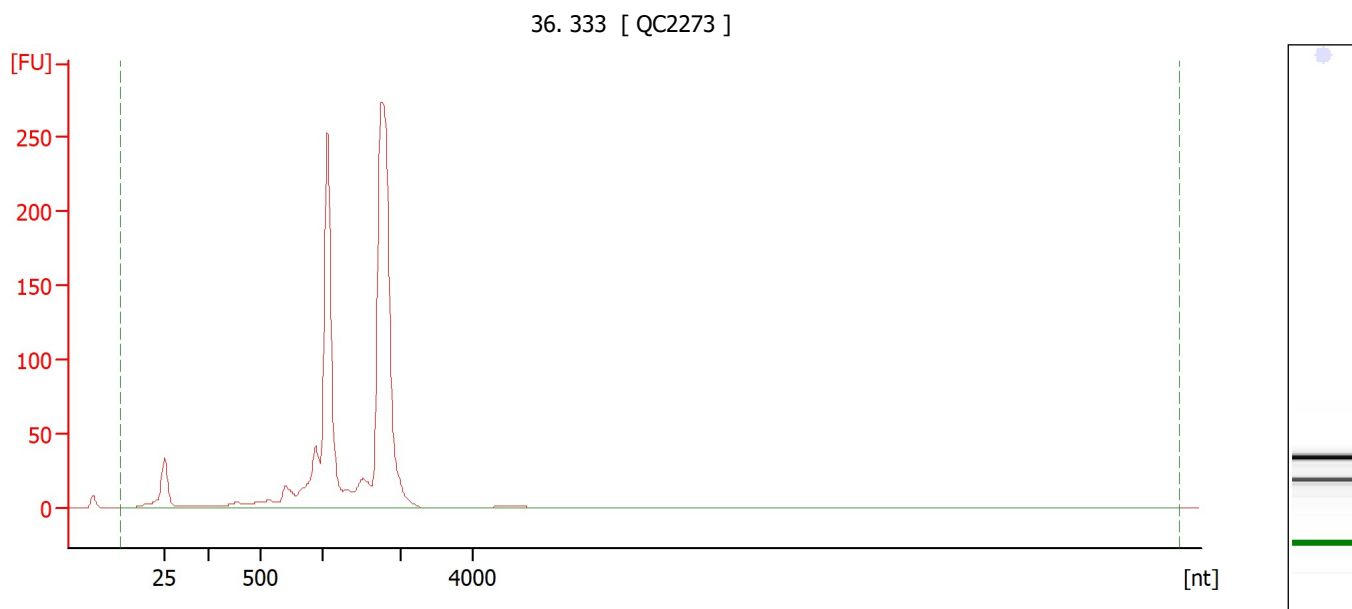
Overall Results for sample 6 : 35.332

RNA Area:	581.3	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	207 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 11:26:52 AM

Electropherogram Summary Continued ...



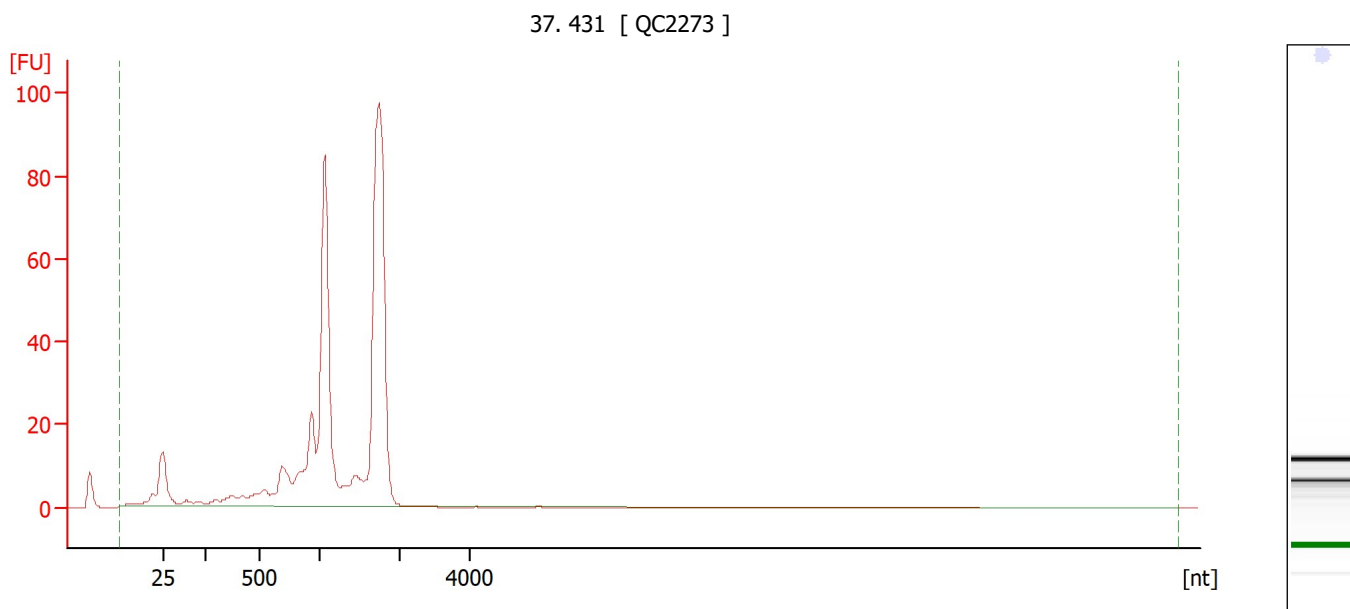
Overall Results for sample 7 : 36.333

RNA Area:	1,150.9	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 11:26:52 AM

Electropherogram Summary Continued ...



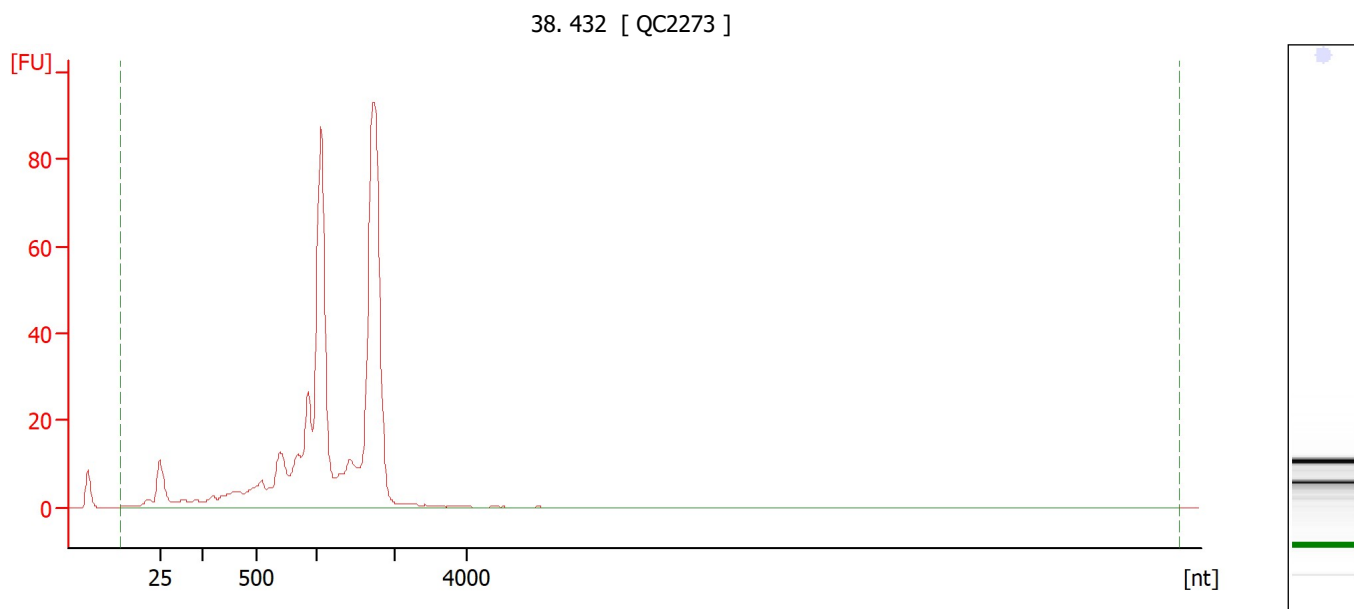
Overall Results for sample 8 : 37.431

RNA Area:	448.6	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	160 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 11:26:52 AM

Electropherogram Summary Continued ...



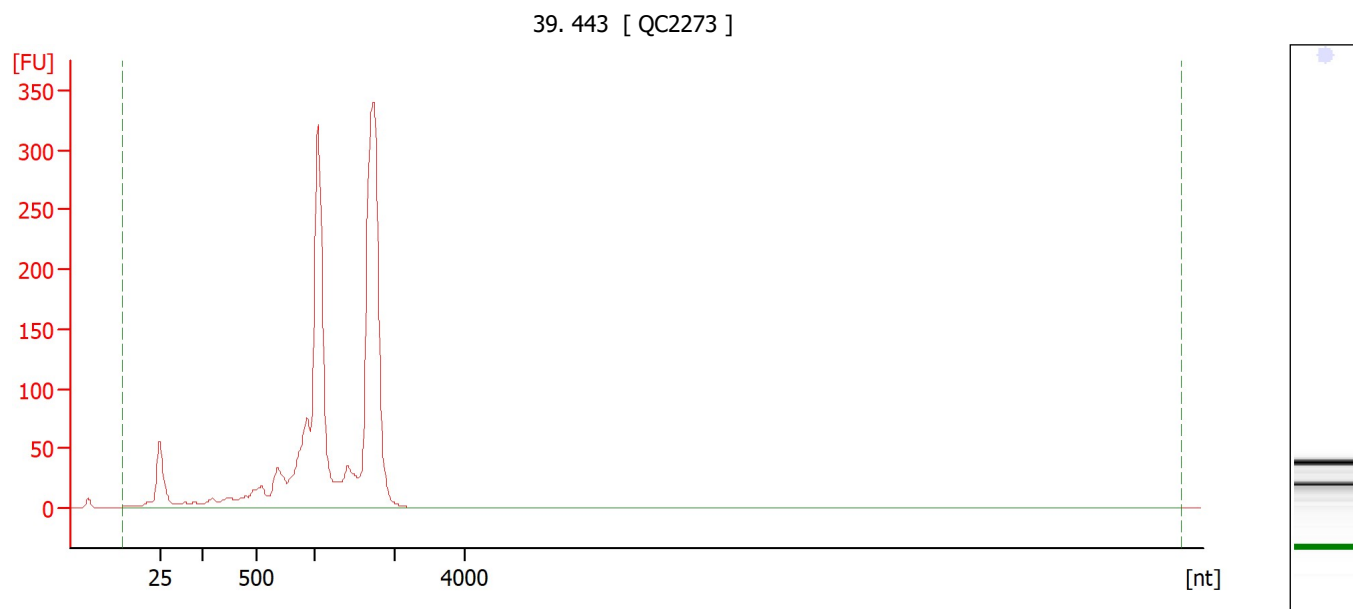
Overall Results for sample 9 : 38.432

RNA Area:	507.3	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	181 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 11:26:52 AM

Electropherogram Summary Continued ...



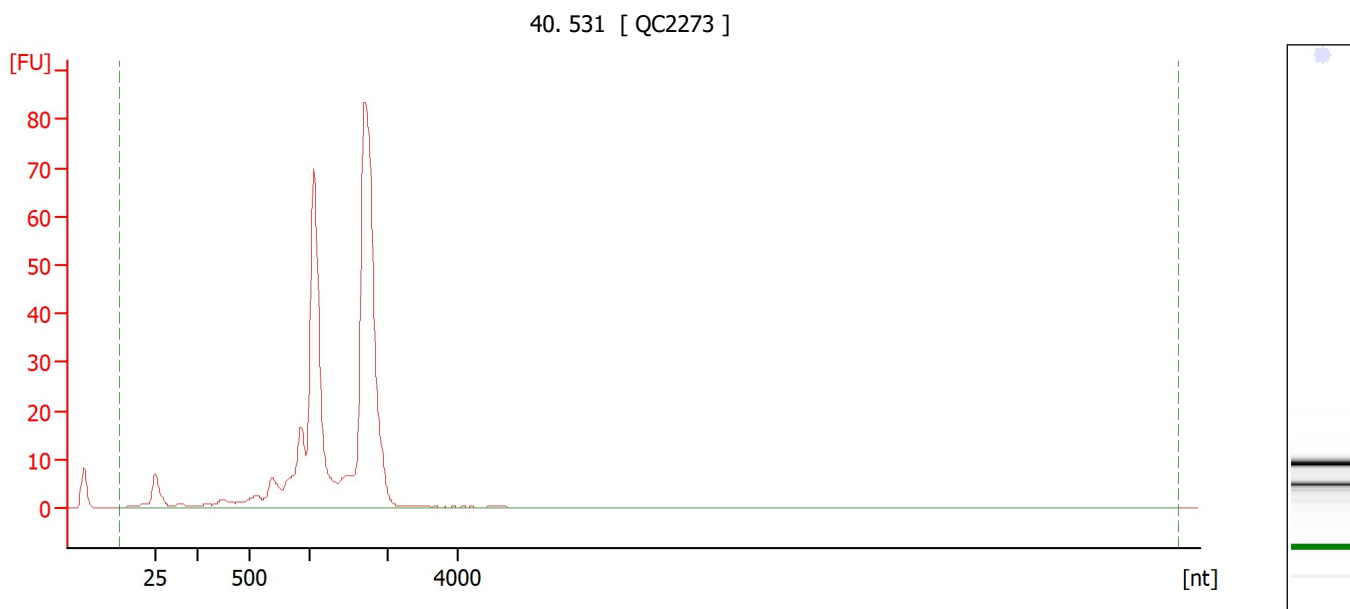
Overall Results for sample 10 : 39.443

RNA Area:	1,694.3	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	604 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 11:26:52 AM

Electropherogram Summary Continued ...



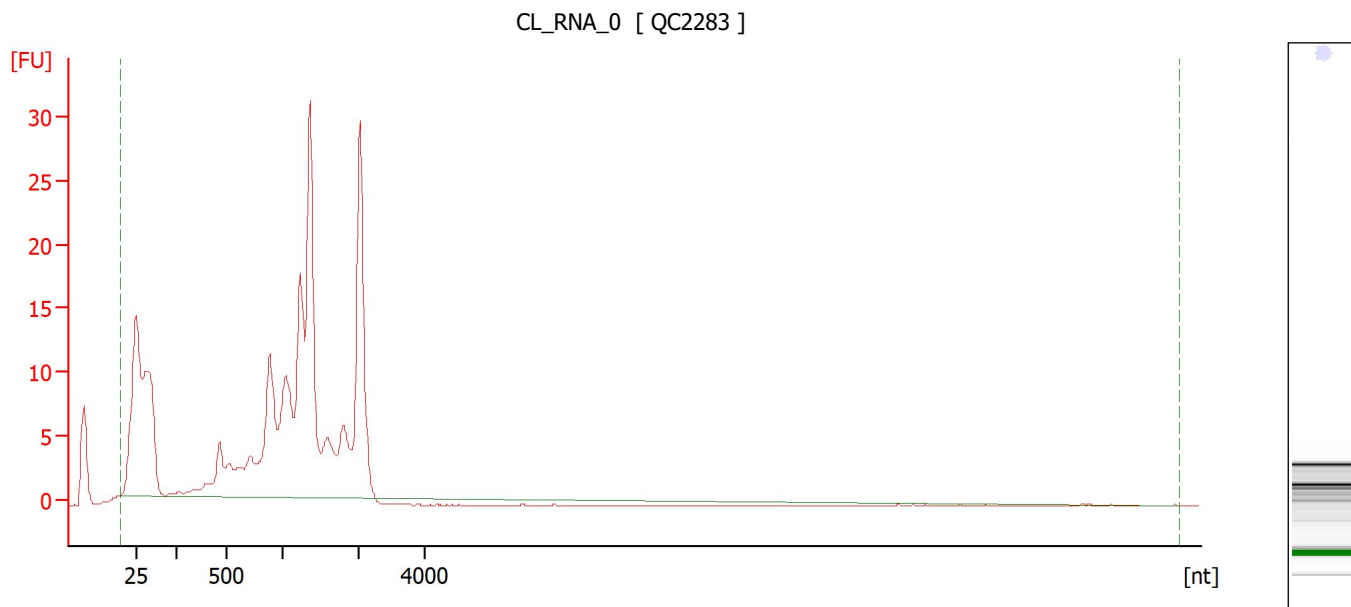
Overall Results for sample 11 : 40. 531

RNA Area:	403.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	144 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 11:26:52 AM

Electropherogram Summary Continued ...



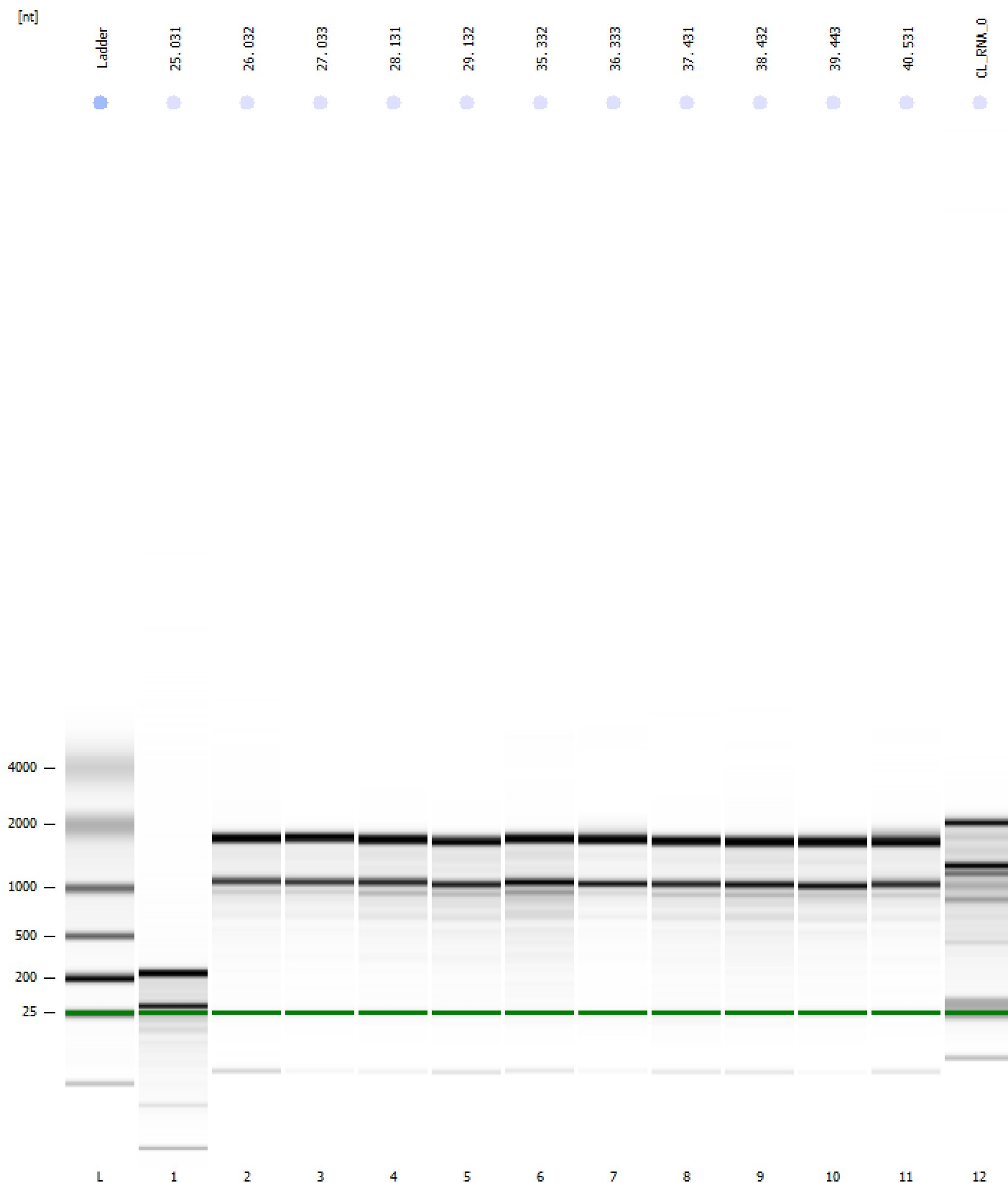
Overall Results for sample 12 : CL_RNA_0

RNA Area:	193.8	RNA Integrity Number (RIN):	1.3 (B.02.10)
RNA Concentration:	69 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 11:26:52 AM

Gel Image



Assay Class:	Plant RNA Nano	Created:	9/2/2025 10:31:15 AM
Data Path:	C:\...2\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-02_002.xad	Modified:	9/2/2025 11:26:52 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