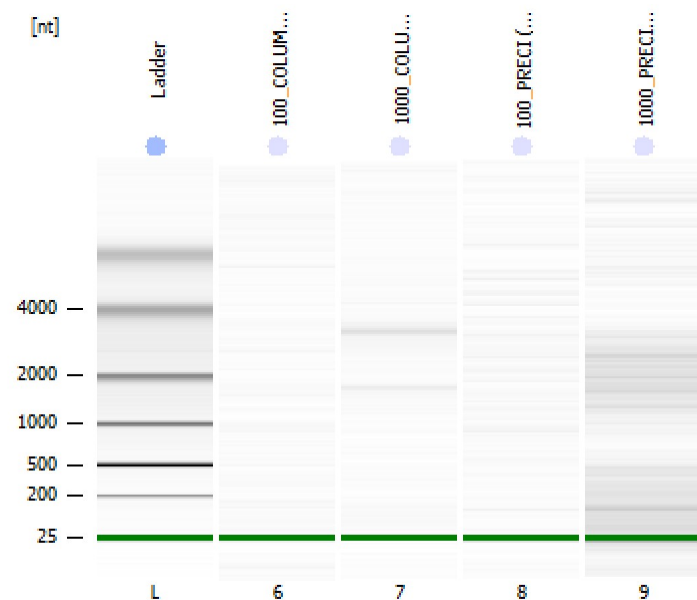


Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 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 Pico.xsy

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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Chip Information:

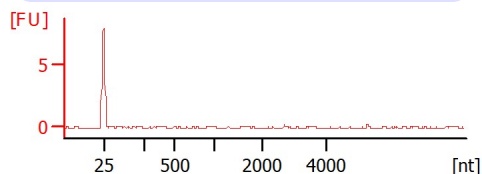
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

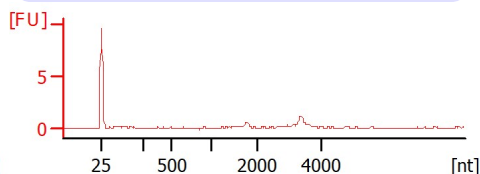
QC2307 100_COLUMN (1:5)

RIN:1



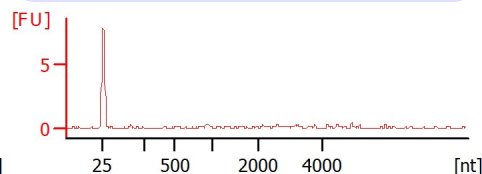
QC2307 1000_COLUMN (1:5)

RIN:1



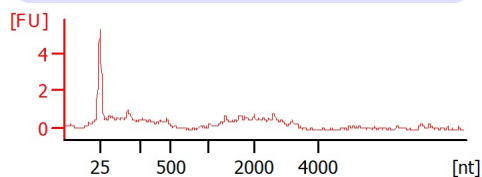
QC2307 100_PRECI (1:20)

RIN:1



QC2307 1000_PRECI (1:20)

RIN:2



Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
100_COLUMN (1:5)	QC2307	✓	RIN:1	
1000_COLUMN (1:5)	QC2307	✓	RIN:1	
100_PRECI (1:20)	QC2307	✓	RIN:1	
1000_PRECI (1:20)	QC2307	✓	RIN:2	
Ladder		✓	All Other Samples	

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

Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

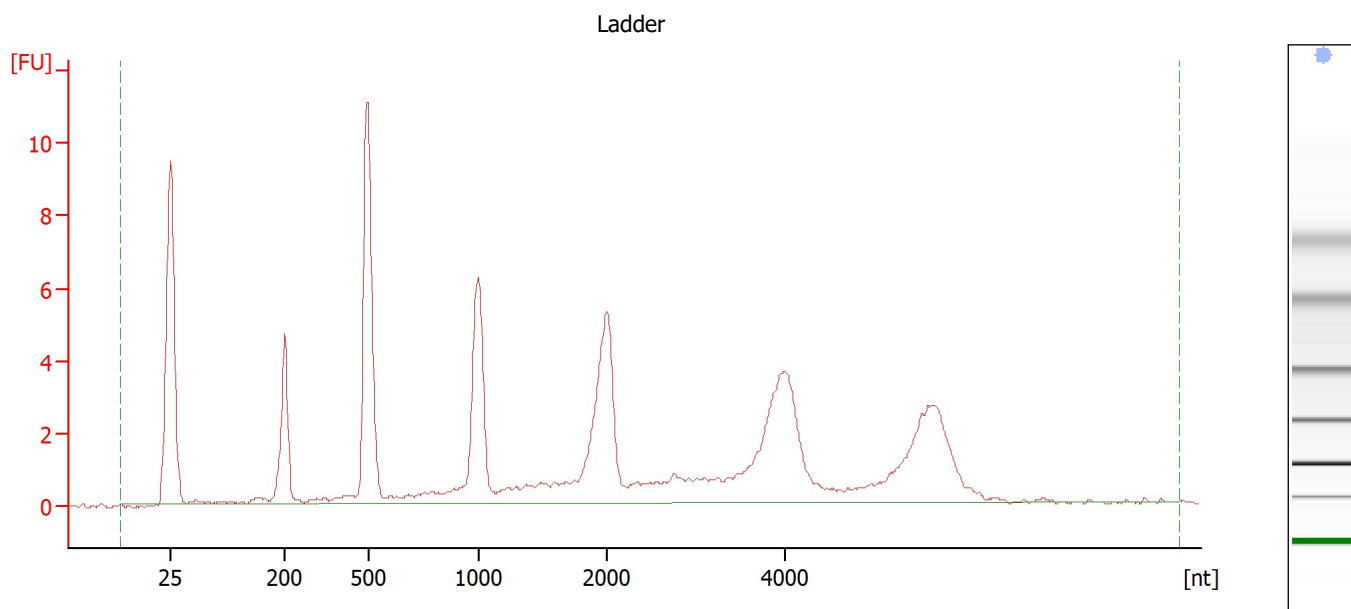
Ladder

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

Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 90.0

Result Flagging Color:



RNA Concentration: 1,000 pg/μl

Result Flagging Label:

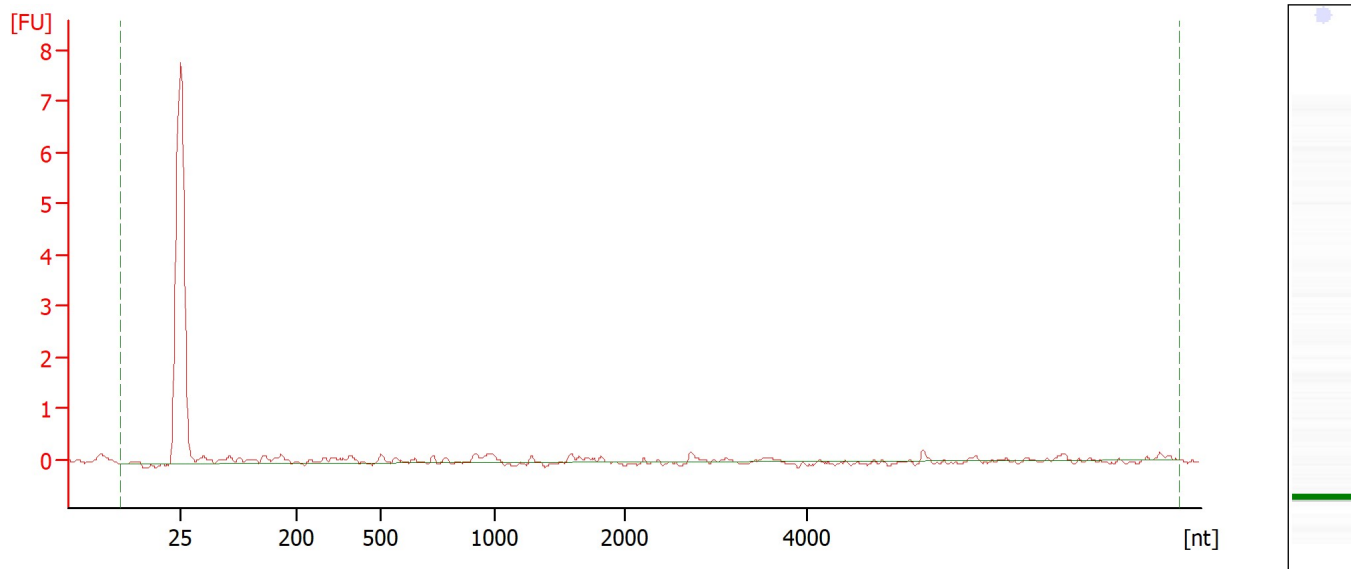
All Other Samples

Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Electropherogram Summary Continued ...

100_COLUMN (1:5) [QC2307]

**Overall Results for sample 6 : 100_COLUMN (1:5)**

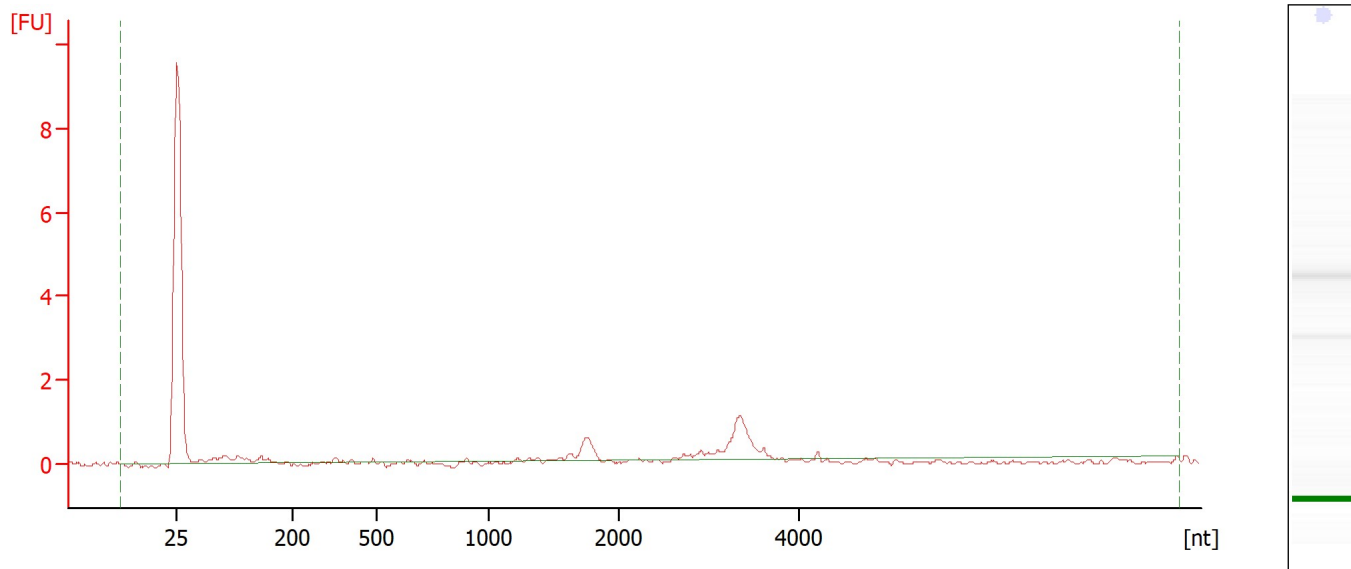
RNA Area:	3.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	43 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Electropherogram Summary Continued ...

1000_COLUMN (1:5) [QC2307]

**Overall Results for sample 7 : 1000_COLUMN (1:5)**

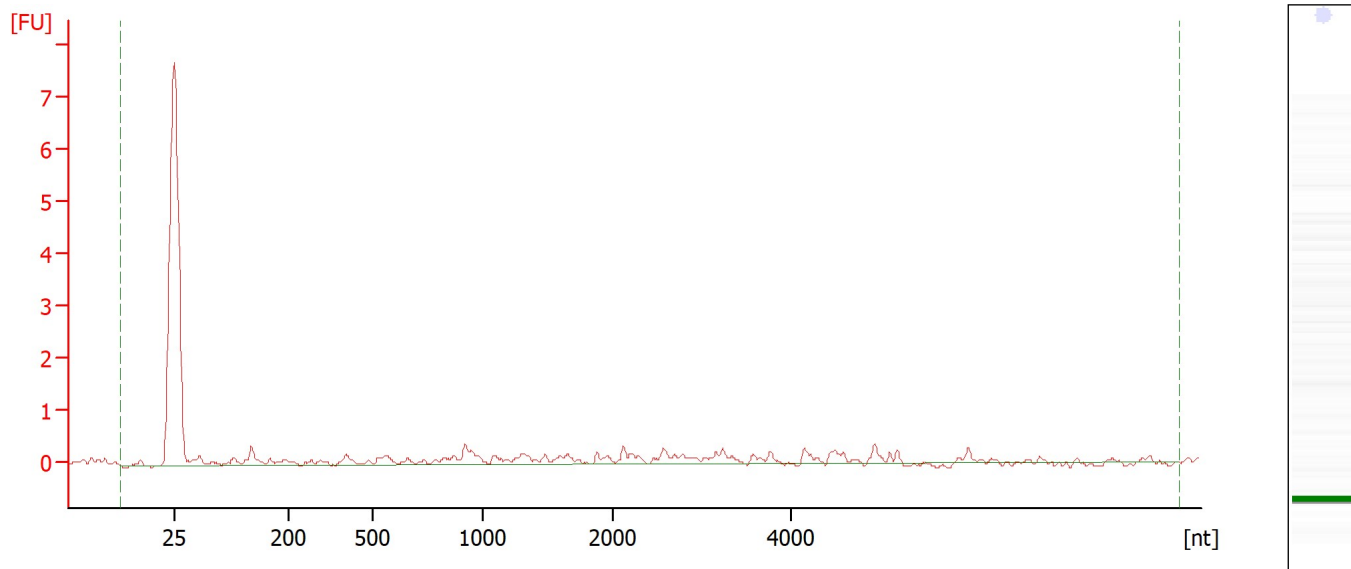
RNA Area:	5.4	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	60 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Electropherogram Summary Continued ...

100_PRECI (1:20) [QC2307]

**Overall Results for sample 8 : 100_PRECI (1:20)**

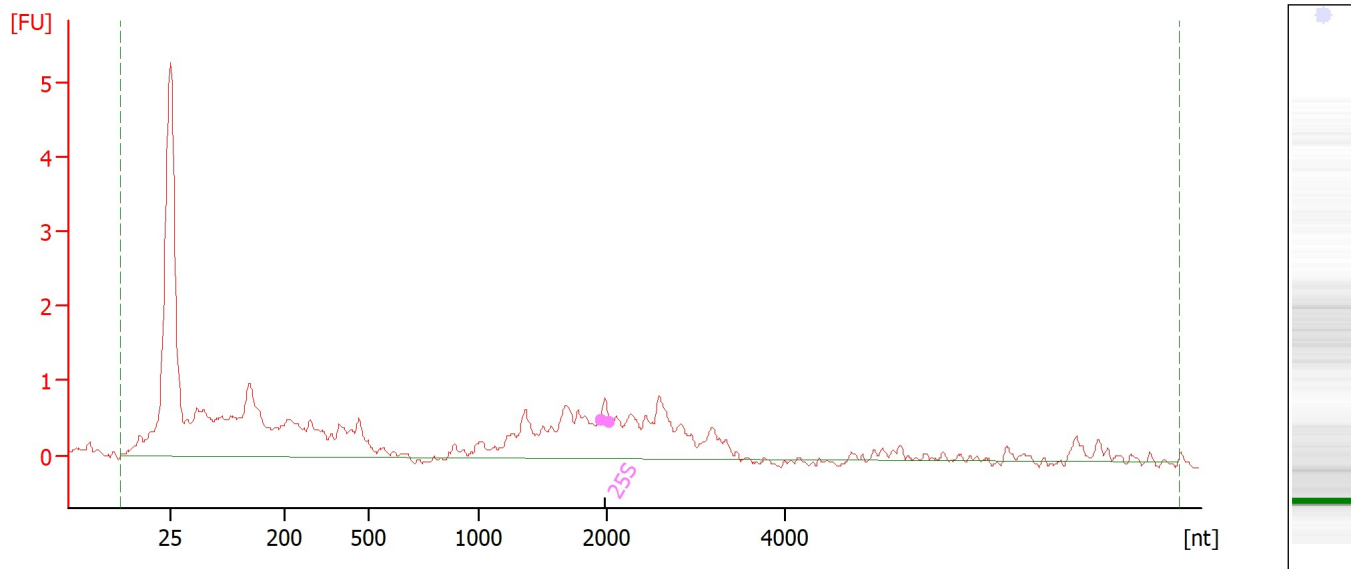
RNA Area:	8.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	97 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Electropherogram Summary Continued ...

1000_PRECI (1:20) [QC2307]

**Overall Results for sample 9 : 1000_PRECI (1:20)**

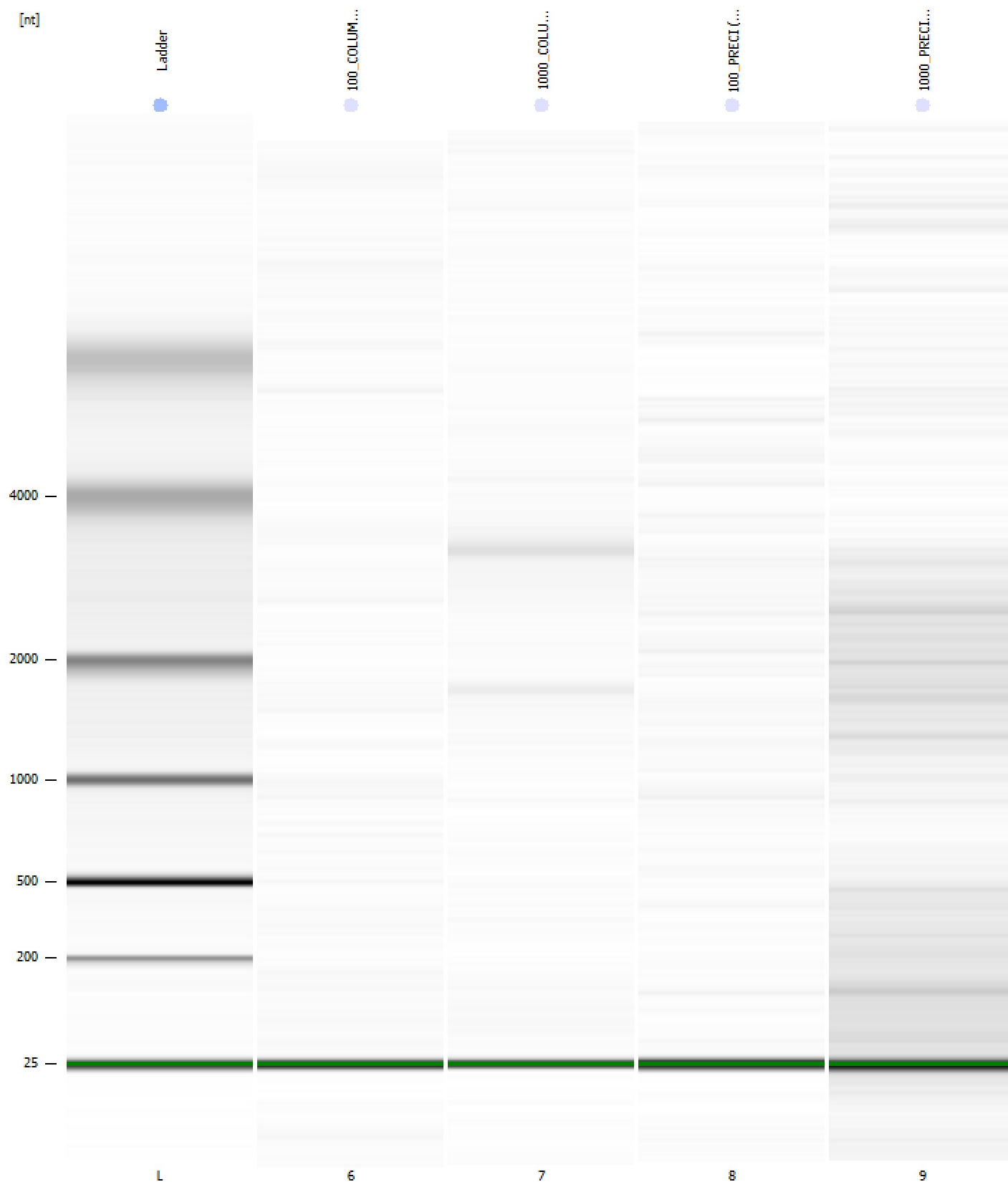
RNA Area:	31.2	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	346 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:2

Fragment table for sample 9 : 1000_PRECI (1:20)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	1,950	2,024	0.2	0.5

Assay Class: Plant RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:21 PM

Gel Image

Assay Class: Plant RNA Pico
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-09-26\QC2307.xad

Created: 9/26/2025 2:19:59 PM
 Modified: 9/26/2025 3:32:21 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/26/2025 2:43:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-09-26\Bioanalyzer1_Plant RNA Pico_DE34903152_2025-09-26_Product Number : G2938C		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB