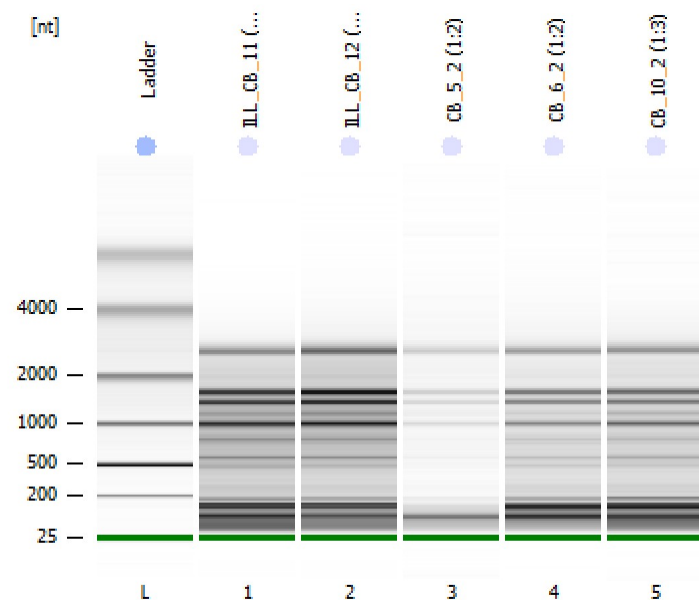


Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 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:

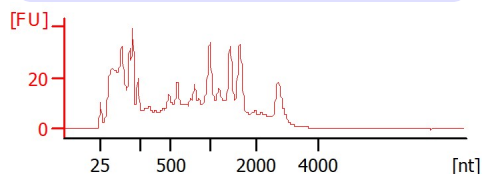
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

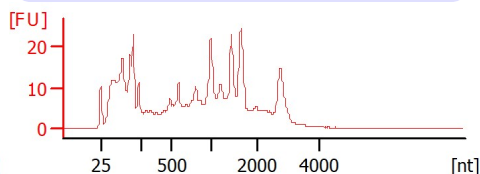
ILL_CB_11 (1:2)

RIN: 4.20



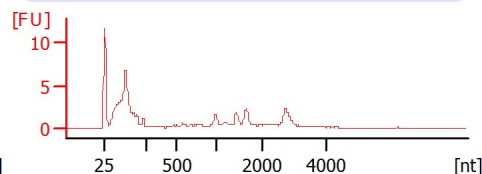
ILL_CB_12 (1:2)

RIN: 4.90



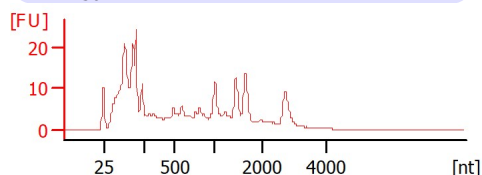
CB_5_2 (1:2)

RIN: 4.40



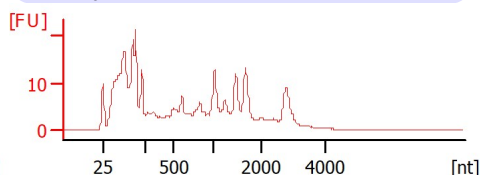
CB_6_2 (1:2)

RIN: 4.30



CB_10_2 (1:3)

RIN: 4.20



Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
ILL_CB_11 (1:2)		✓	RIN: 4.20	
ILL_CB_12 (1:2)		✓	RIN: 4.90	
CB_5_2 (1:2)		✓	RIN: 4.40	
CB_6_2 (1:2)		✓	RIN: 4.30	
CB_10_2 (1:3)		✓	RIN: 4.20	
Ladder		✓	All Other Samples	

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

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 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

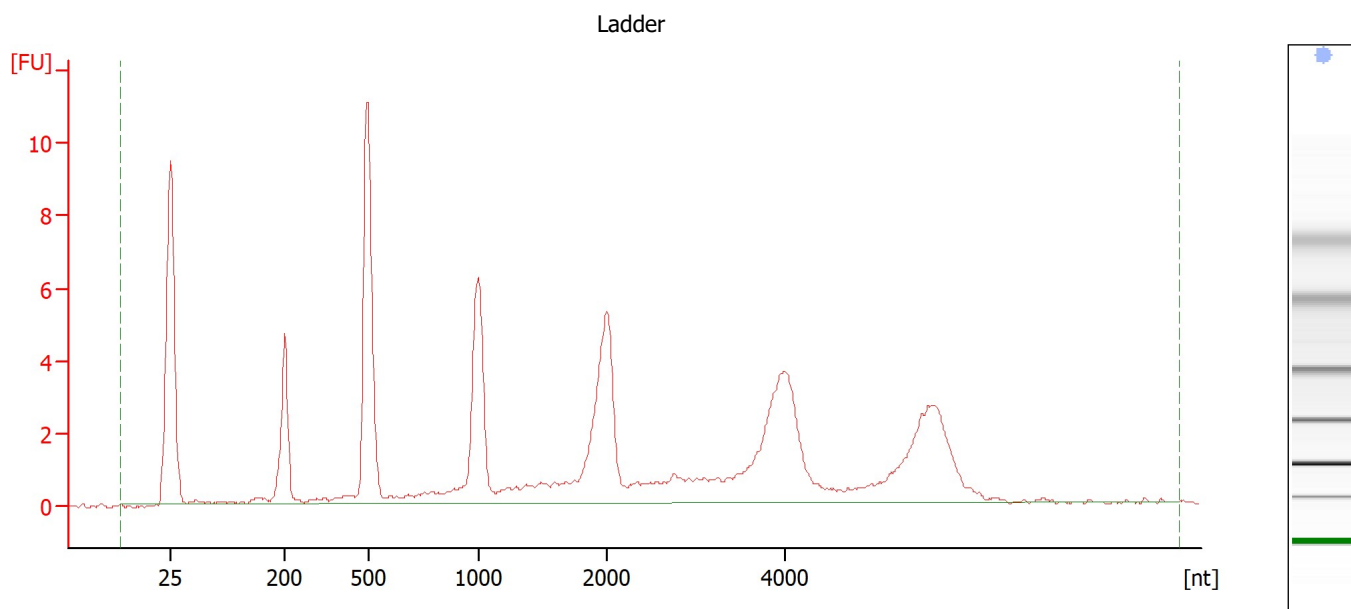
Ladder

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

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 90.0

Result Flagging Color:



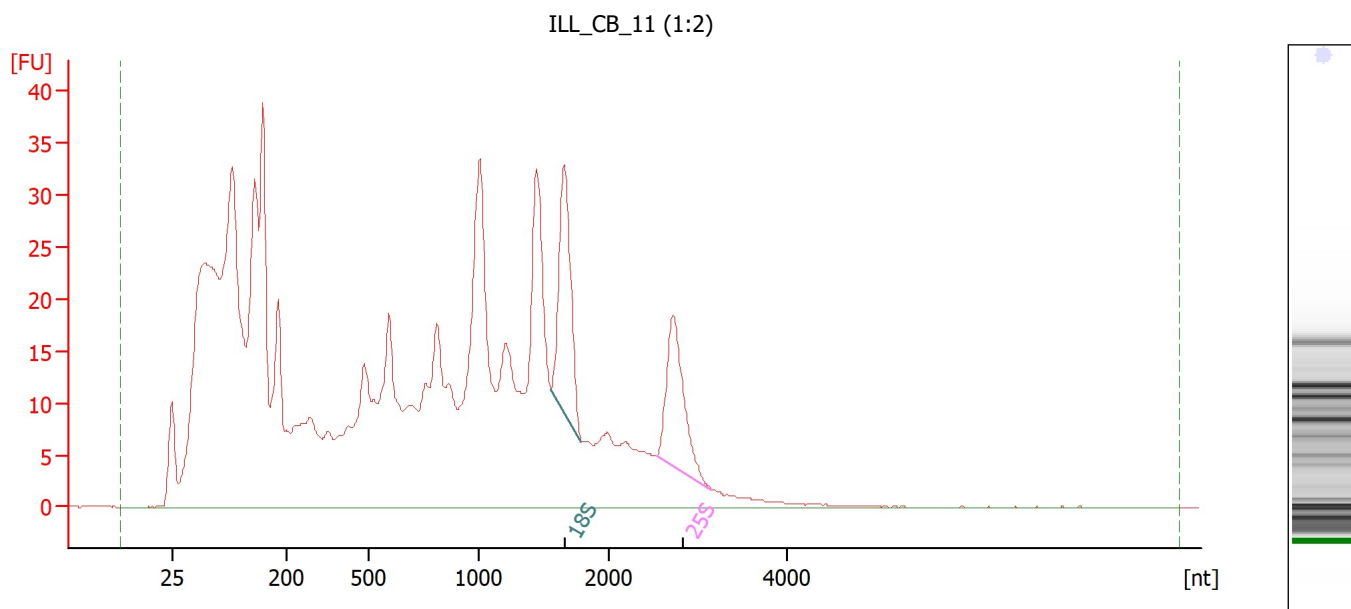
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : ILL_CB_11 (1:2)**

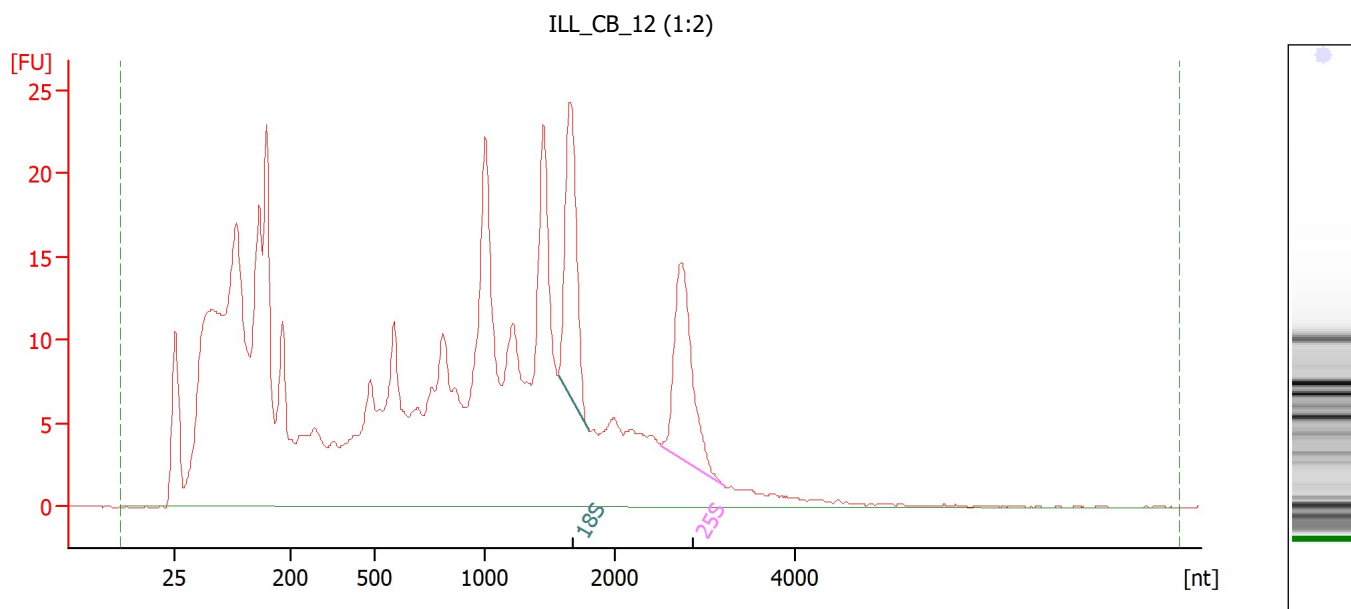
RNA Area:	1,028.0	RNA Integrity Number (RIN):	4.2 (B.02.10)
RNA Concentration:	11,422 pg/ μ l	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.8	Result Flagging Label:	RIN: 4.20

Fragment table for sample 1 : ILL_CB_11 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,786	37.7	3.7
25S	2,529	3,154	30.0	2.9

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : ILL_CB_12 (1:2)**

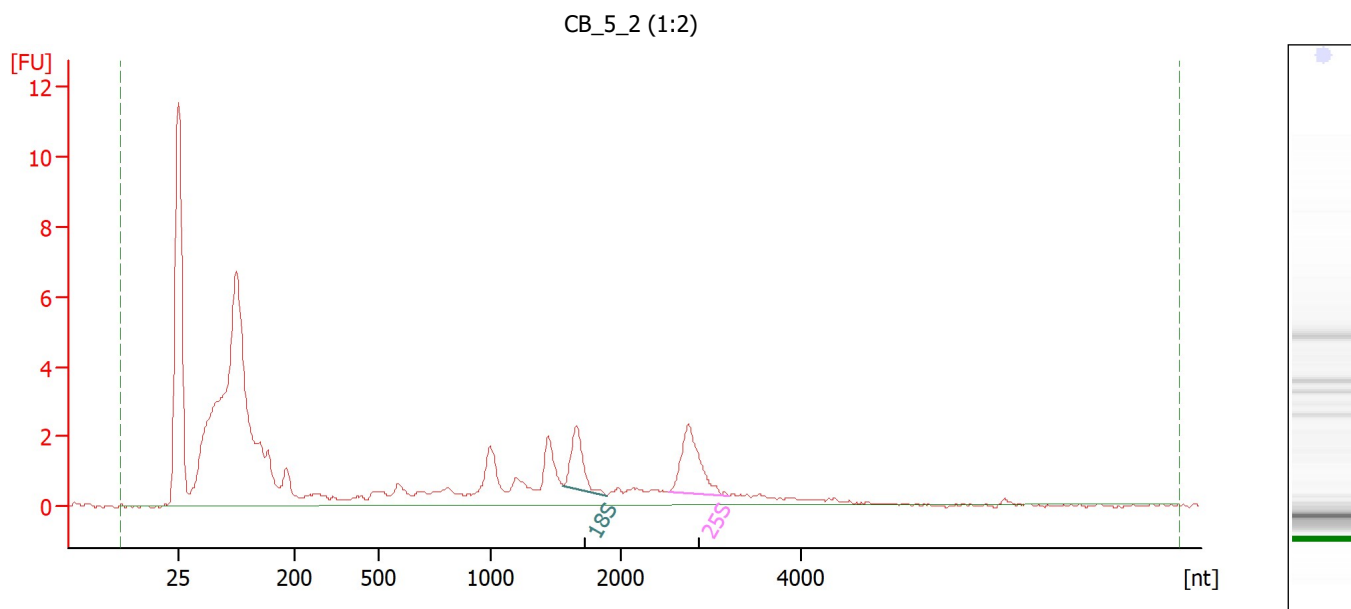
RNA Area:	623.5	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	6,928 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.9	Result Flagging Label:	RIN: 4.90

Fragment table for sample 2 : ILL_CB_12 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,789	27.1	4.4
25S	2,516	3,220	25.1	4.0

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : CB_5_2 (1:2)**

RNA Area: 78.3 RNA Integrity Number (RIN): 4.4 (B.02.10, Anomaly Threshold(s) manually adapted)

RNA Concentration: 870 pg/μl

rRNA Ratio [25s / 18s]: 1.5

Result Flagging Color:

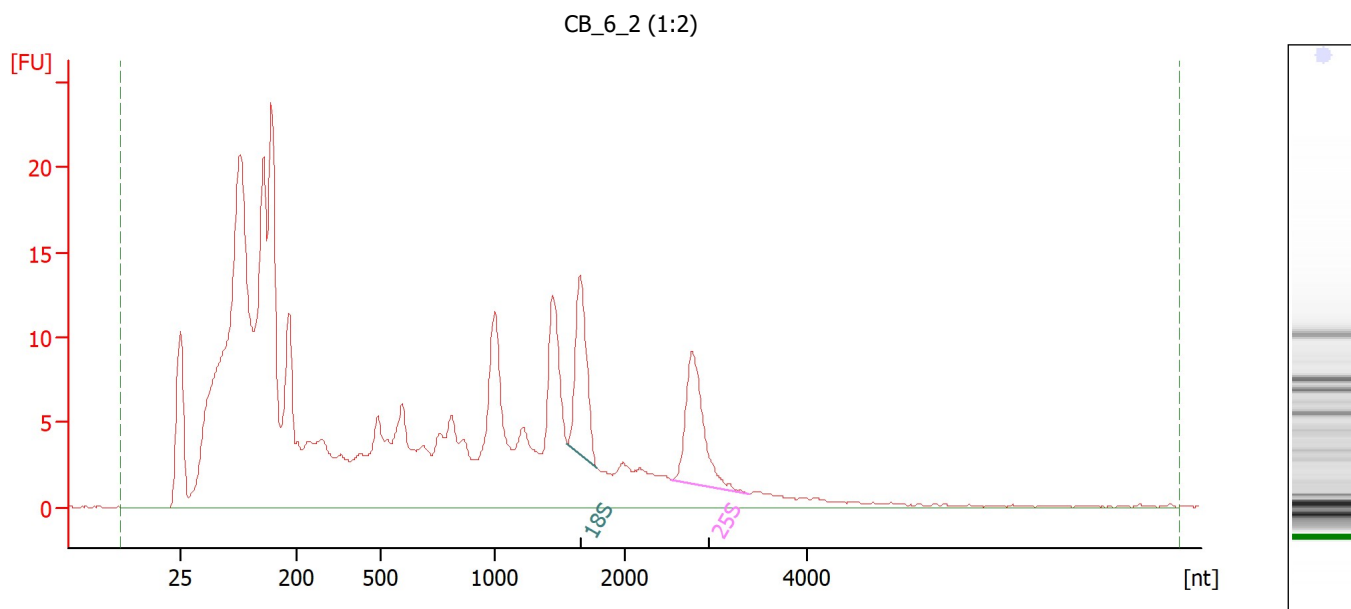
Result Flagging Label: RIN: 4.40

Fragment table for sample 3 : CB_5_2 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,881	2.8	3.6
25S	2,527	3,191	4.3	5.5

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : CB_6_2 (1:2)**

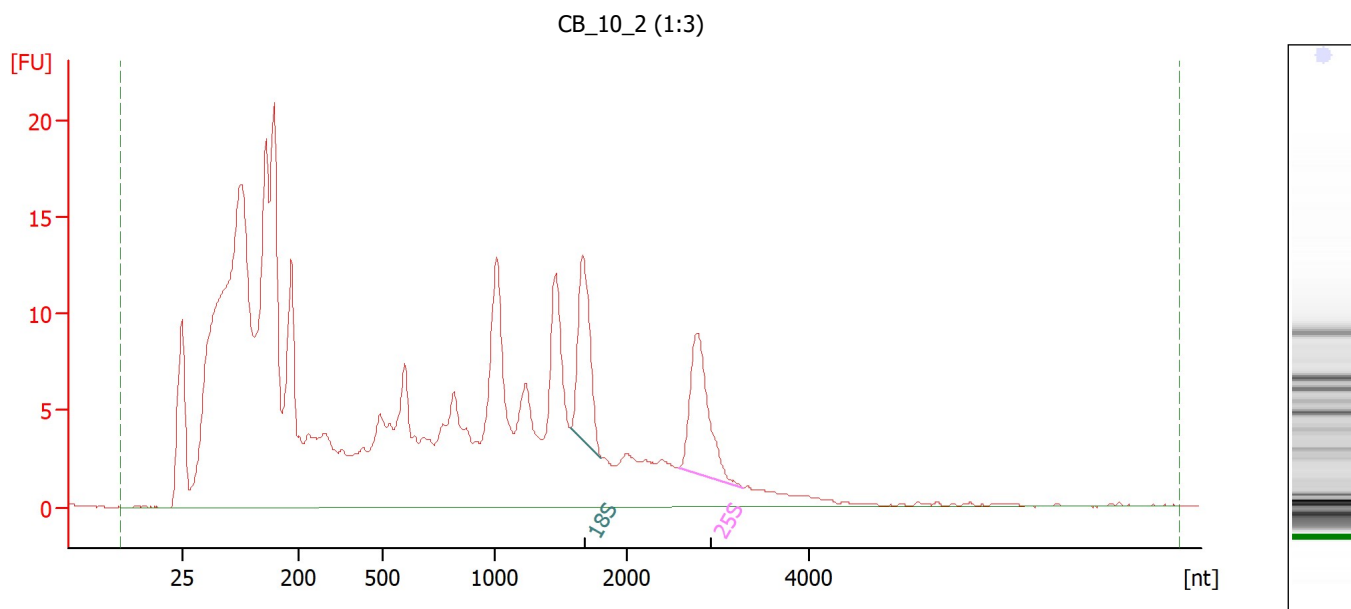
RNA Area:	440.0	RNA Integrity Number (RIN):	4.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,889 pg/μl		
rRNA Ratio [25s / 18s]:	1.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 4.30

Fragment table for sample 4 : CB_6_2 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,786	15.9	3.6
25S	2,502	3,364	16.2	3.7

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : CB_10_2 (1:3)**

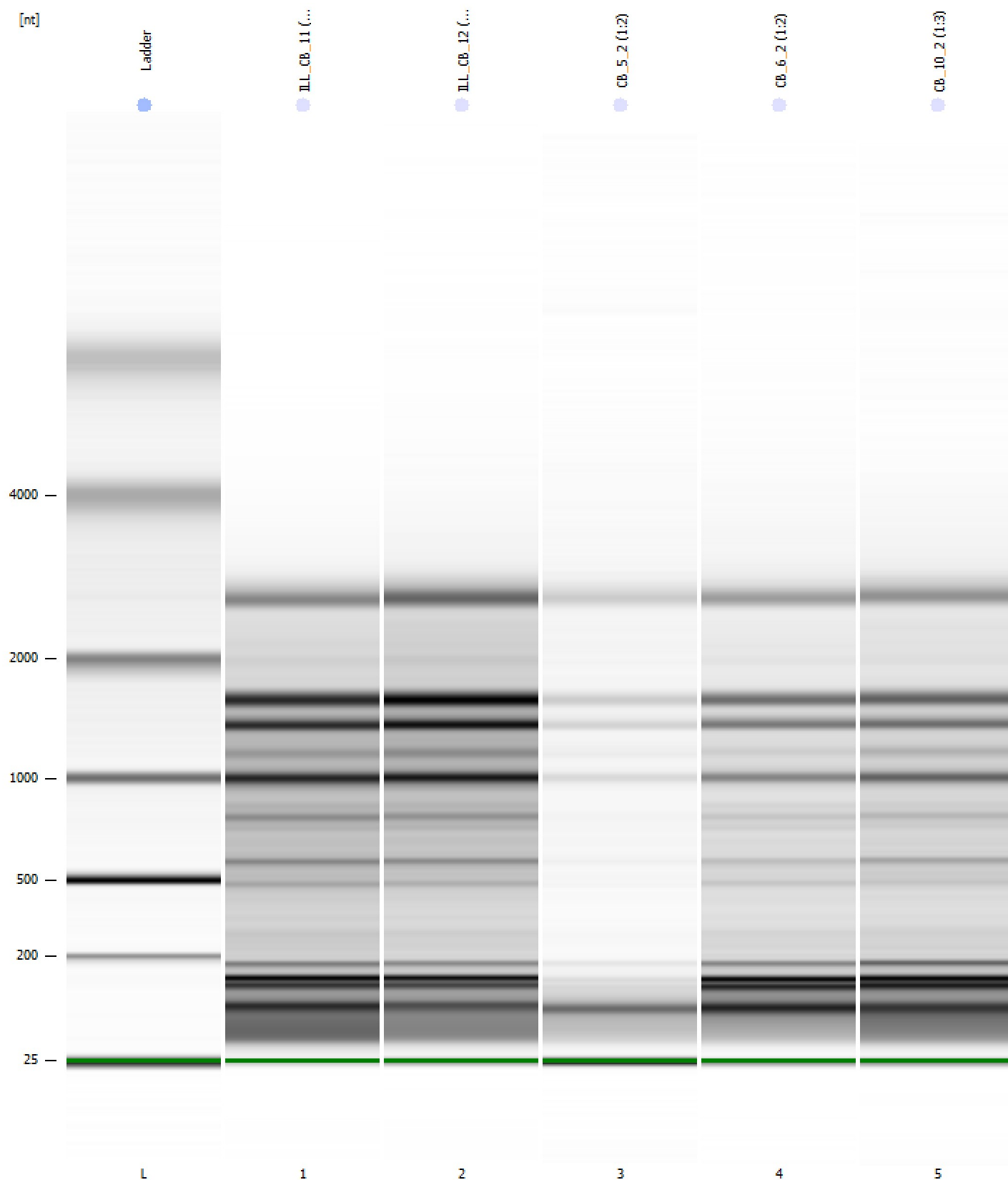
RNA Area: 453.8 RNA Integrity Number (RIN): 4.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration: 5,042 pg/μl
rRNA Ratio [25s / 18s]: 1.0
Result Flagging Color:
Result Flagging Label: RIN: 4.20

Fragment table for sample 5 : CB_10_2 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	1,803	15.1	3.3
25S	2,561	3,268	15.5	3.4

Assay Class: Plant RNA Pico
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 2:58:51 PM

Gel Image

Assay Class: Plant RNA Pico
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-09-26\QC2302_12-16.xad

Created: 9/26/2025 2:19:59 PM
 Modified: 9/26/2025 2:58:51 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-4UNV VOB
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-4UNV VOB
Name :		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB