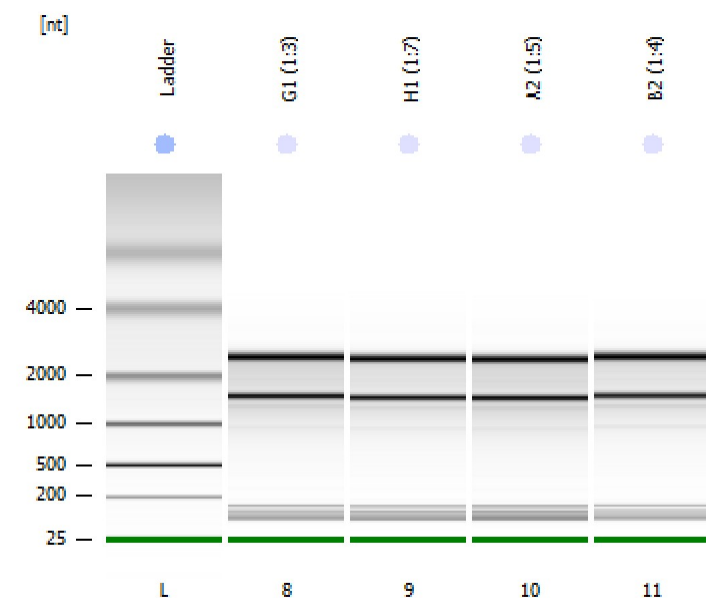


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

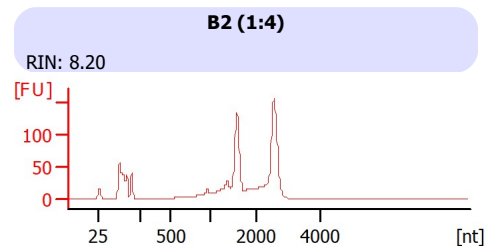
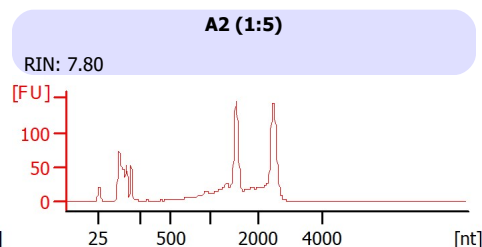
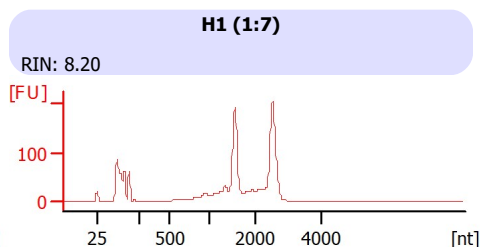
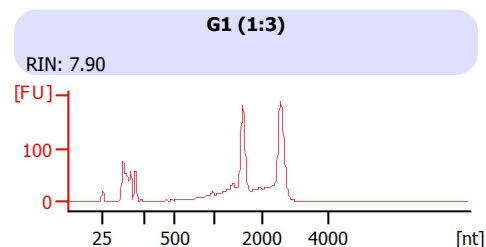
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
G1 (1:3)		✓	RIN: 7.90	
H1 (1:7)		✓	RIN: 8.20	
A2 (1:5)		✓	RIN: 7.80	
B2 (1:4)		✓	RIN: 8.20	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 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

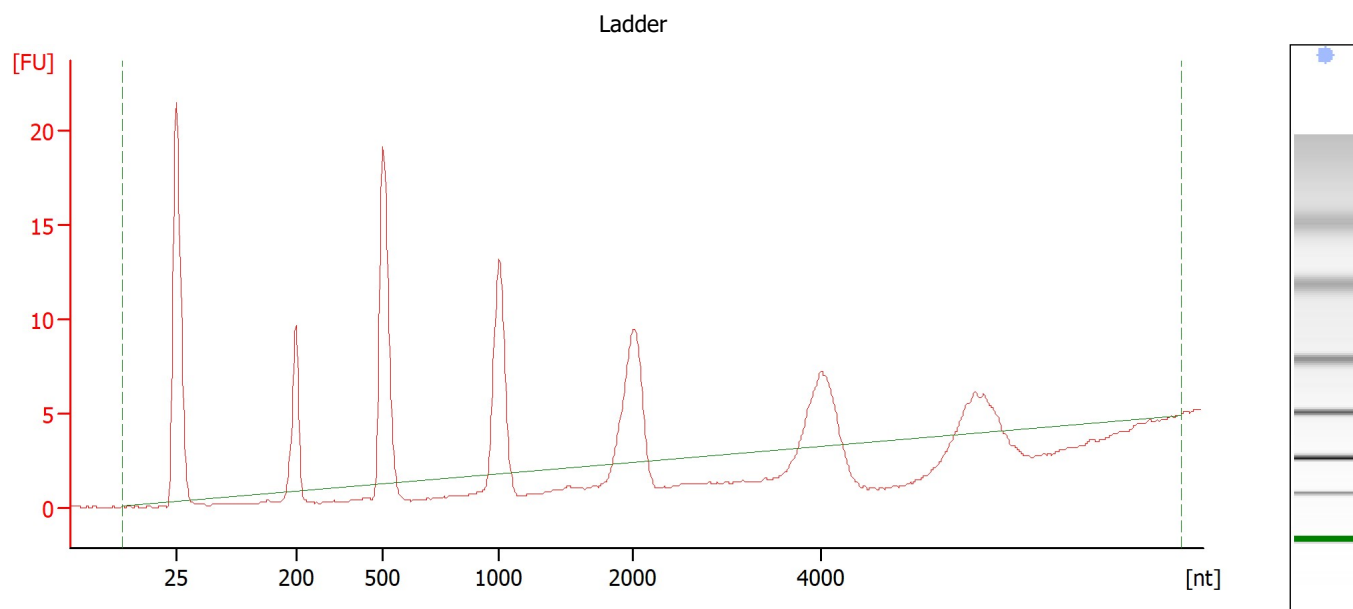
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 82.5

Result Flagging Color:



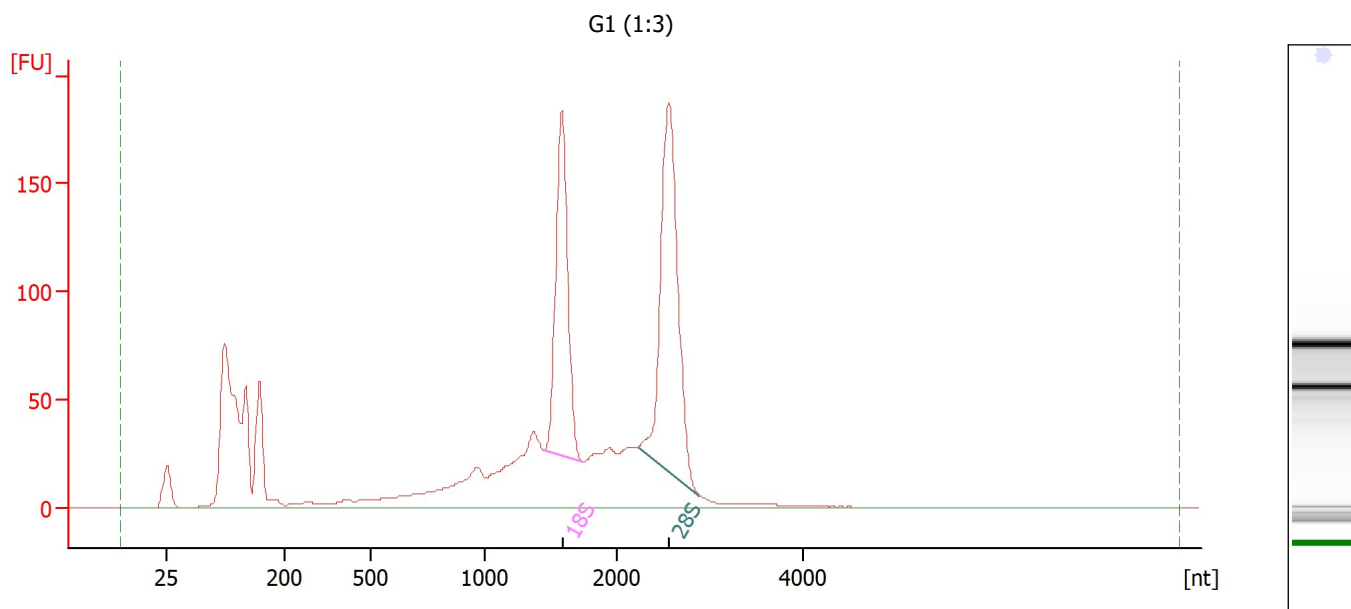
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : G1 (1:3)**

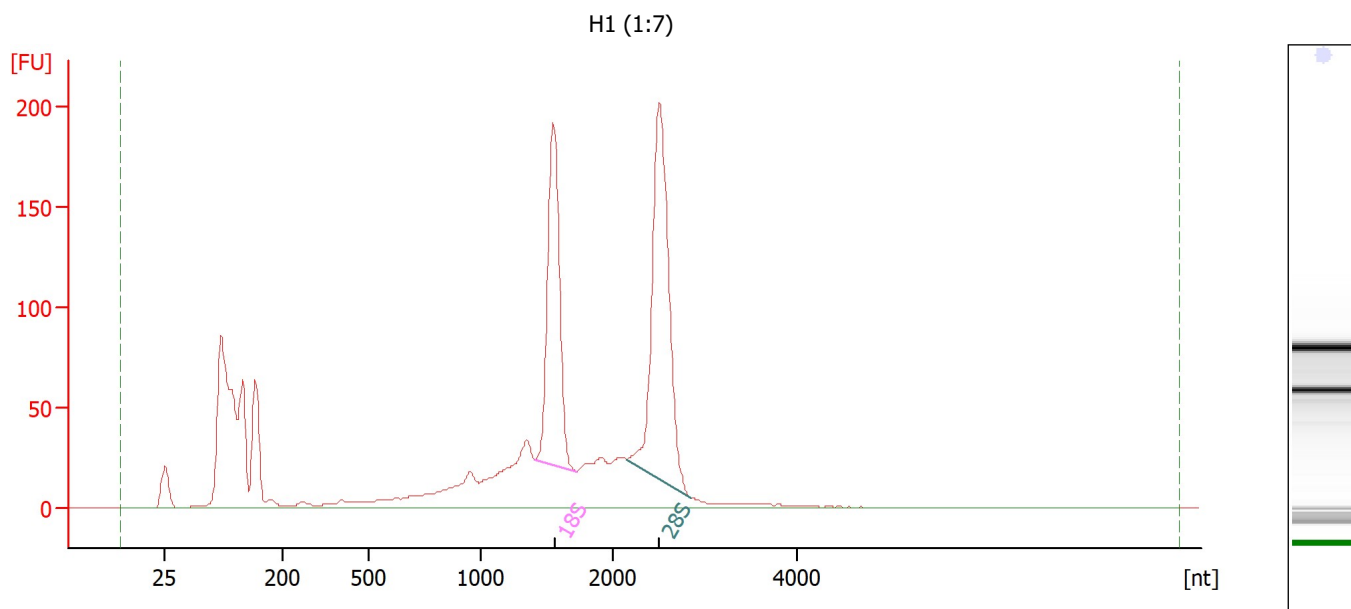
RNA Area:	1,758.0	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	21,312 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.90

Fragment table for sample 8 : G1 (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,441	1,748	258.4	14.7
28S	2,228	2,886	349.7	19.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : H1 (1:7)**

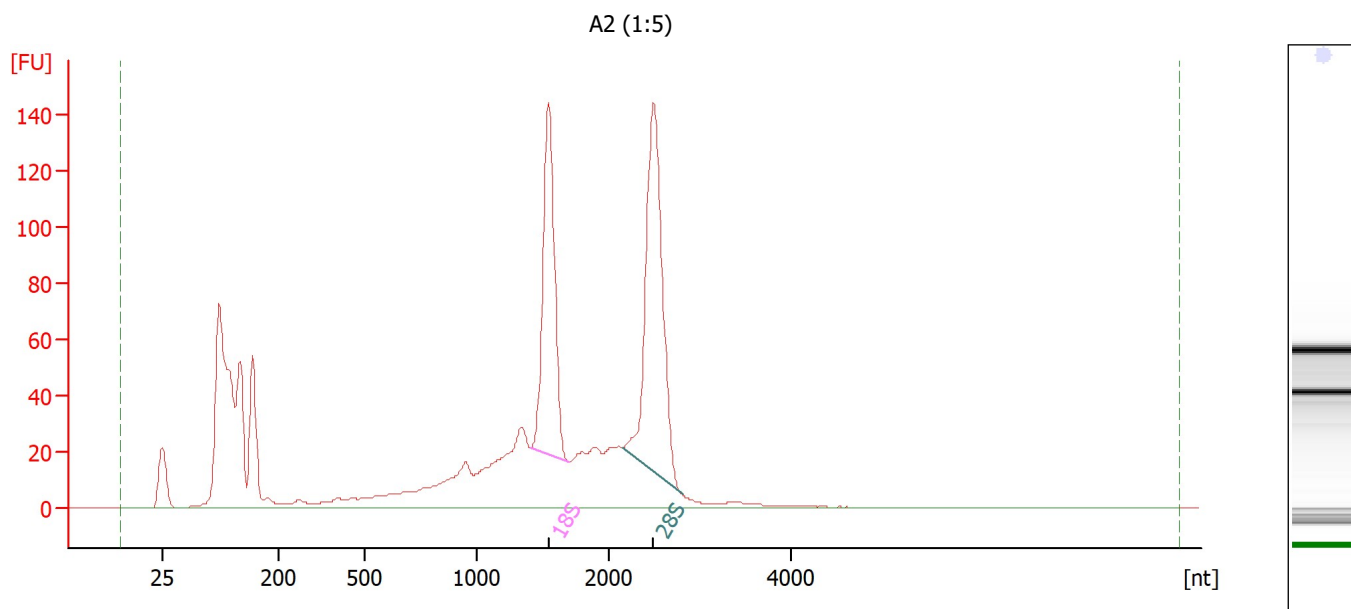
RNA Area:	1,775.7	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	21,527 pg/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	1.4	Result Flagging Label:	RIN: 8.20

Fragment table for sample 9 : H1 (1:7)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,414	1,722	275.0	15.5
28S	2,159	2,844	377.3	21.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : A2 (1:5)**

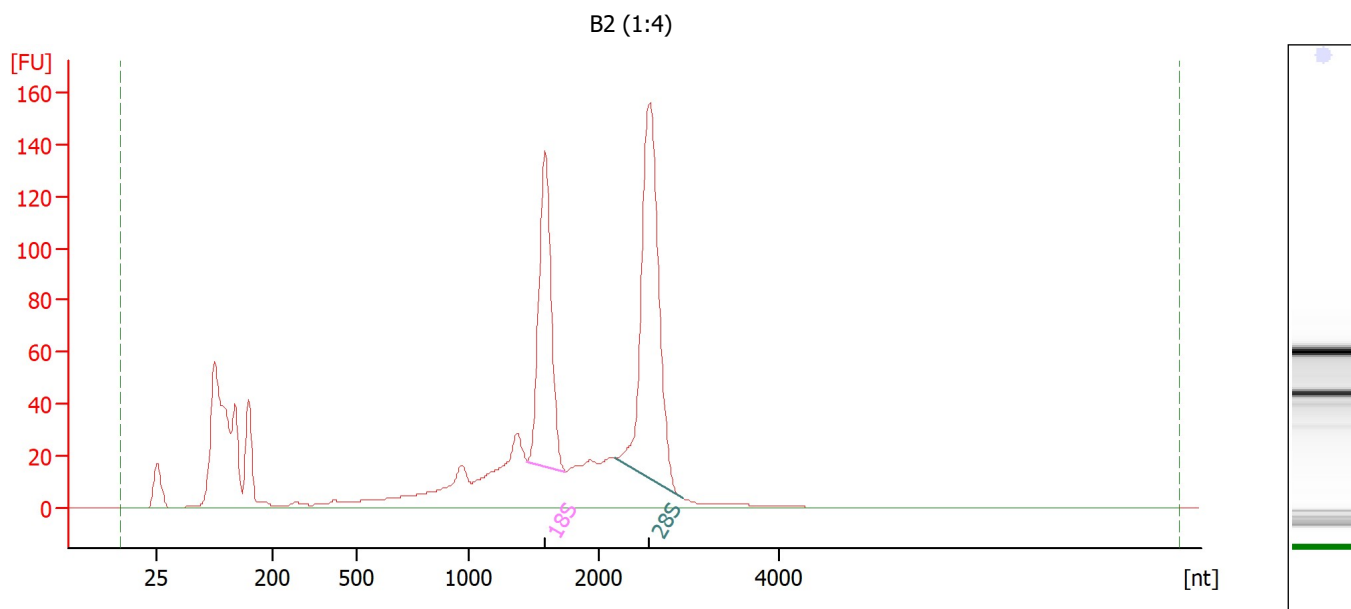
RNA Area:	1,444.3	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	17,509 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	1.3	Result Flagging Label:	RIN: 7.80

Fragment table for sample 10 : A2 (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,411	1,696	199.3	13.8
28S	2,159	2,800	265.1	18.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : B2 (1:4)**

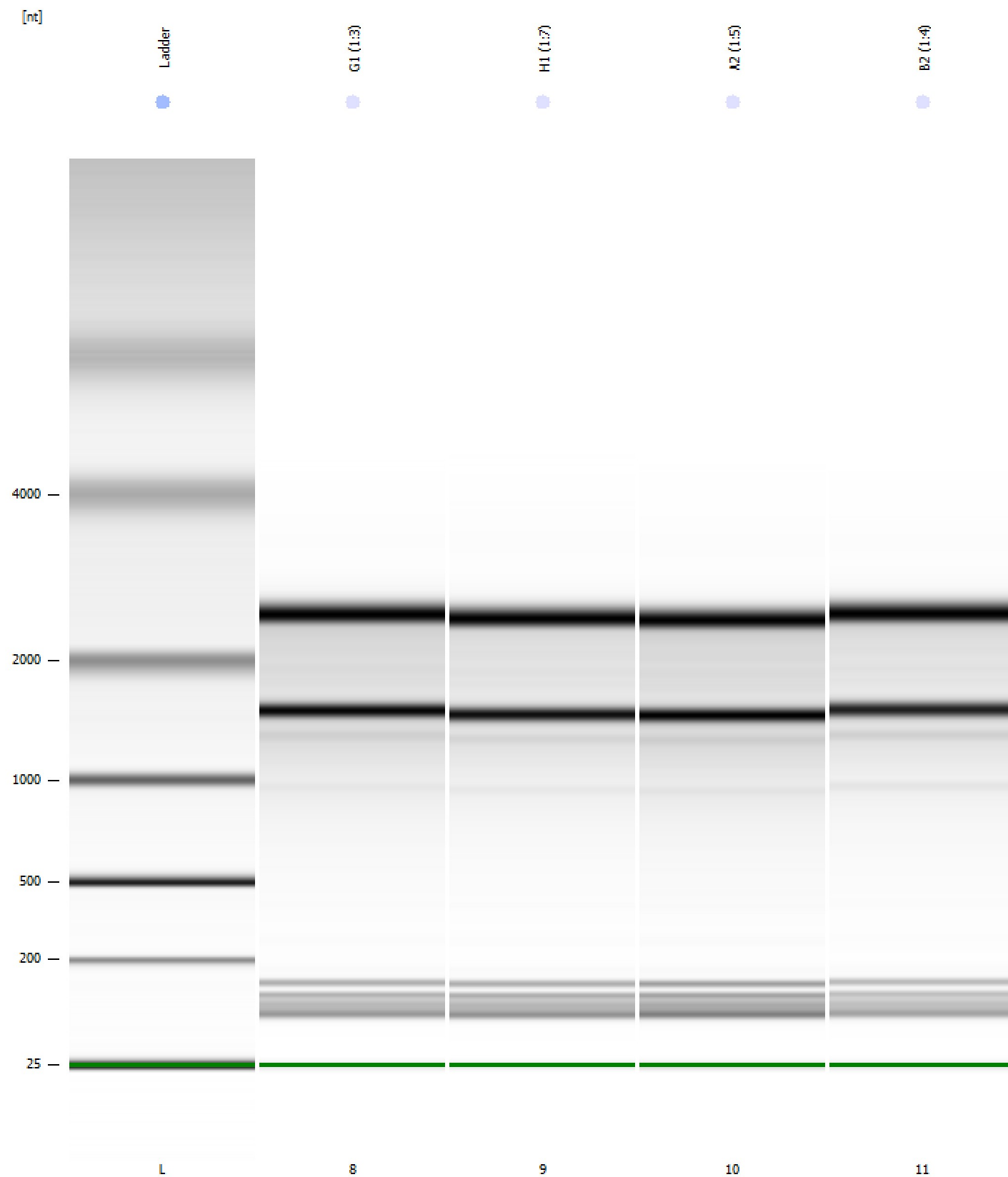
RNA Area:	1,332.7	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	16,156 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.20

Fragment table for sample 11 : B2 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,452	1,749	205.9	15.5
28S	2,183	2,926	306.0	23.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
Modified: 8/15/2025 3:09:10 PM

Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2025-08-15\Nova1379_7-10_RNA_QC.xad

Created: 8/15/2025 1:32:51 PM
 Modified: 8/15/2025 3:09:10 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		8/15/2025 1:54:54 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\2025-08-15\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-08-15_002.xad)		Instrument	Run		8/15/2025 1:32:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Product Number : G2938C		Instrument	Run		8/15/2025 1:32:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		8/15/2025 1:32:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		8/15/2025 1:32:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		8/15/2025 1:32:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		8/15/2025 1:32:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		8/15/2025 1:32:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB