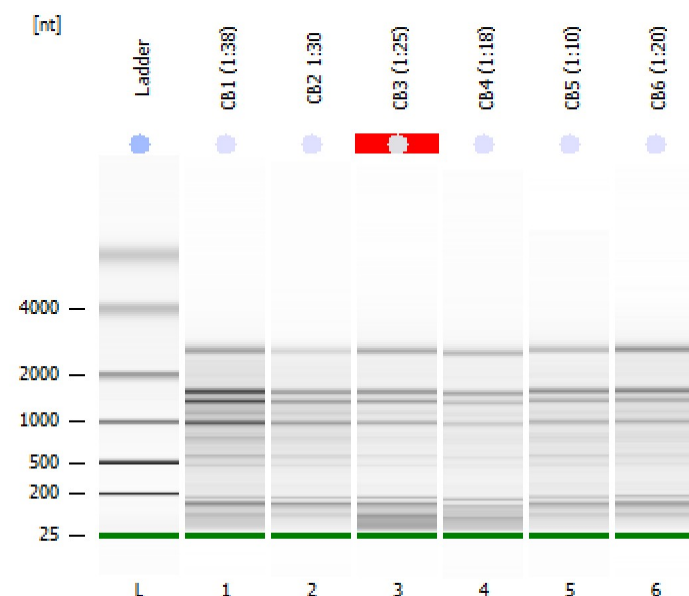


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electrophoresis File Run Summary



Instrument Information:

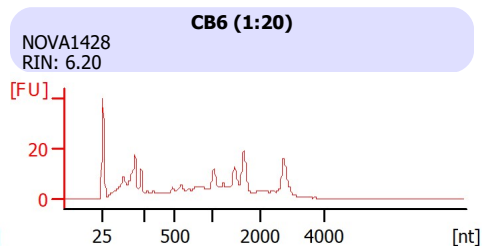
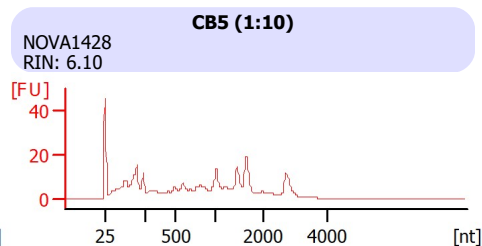
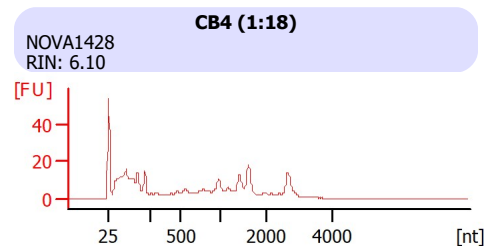
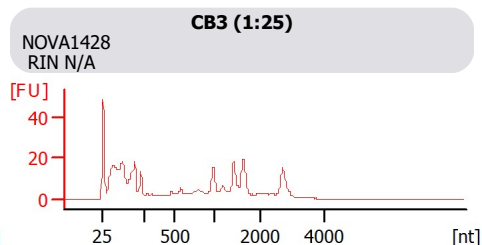
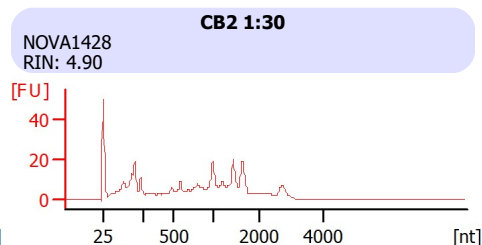
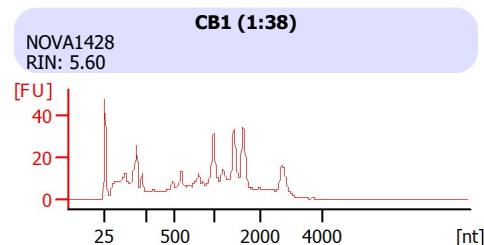
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CB1 (1:38)	NOVA1428	✓	RIN: 5.60	
CB2 1:30	NOVA1428	✓	RIN: 4.90	
CB3 (1:25)	NOVA1428	✓	RIN N/A	
CB4 (1:18)	NOVA1428	✓	RIN: 6.10	
CB5 (1:10)	NOVA1428	✓	RIN: 6.10	
CB6 (1:20)	NOVA1428	✓	RIN: 6.20	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 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

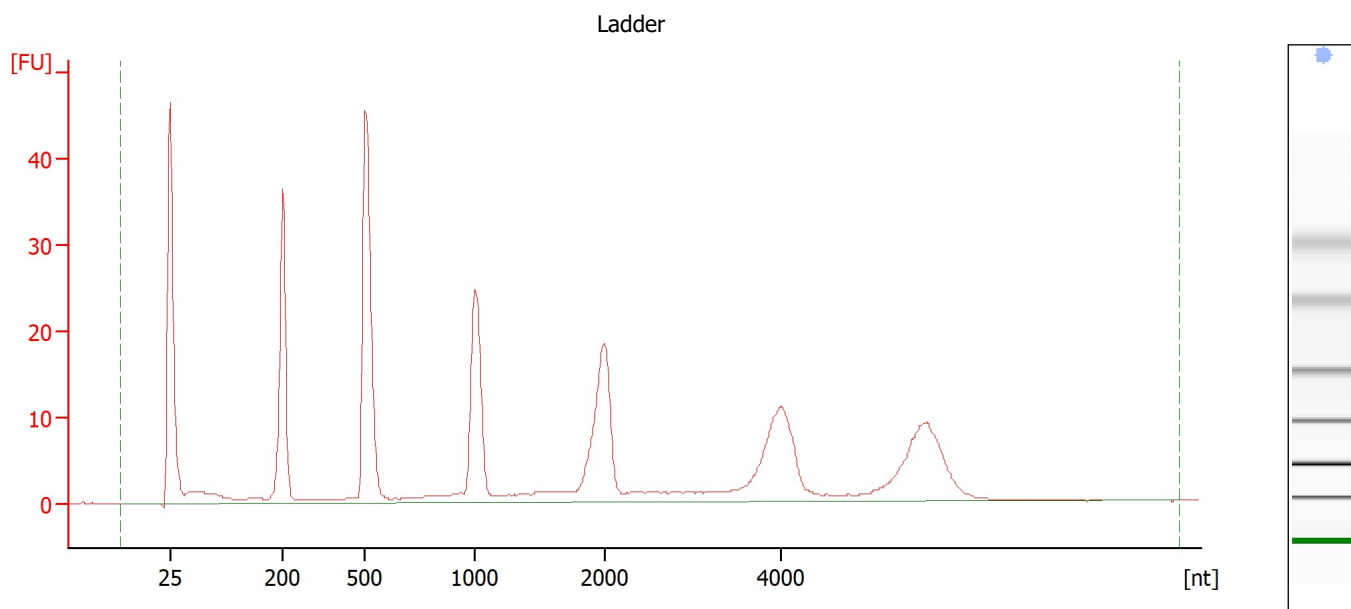
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 312.5

Result Flagging Color:



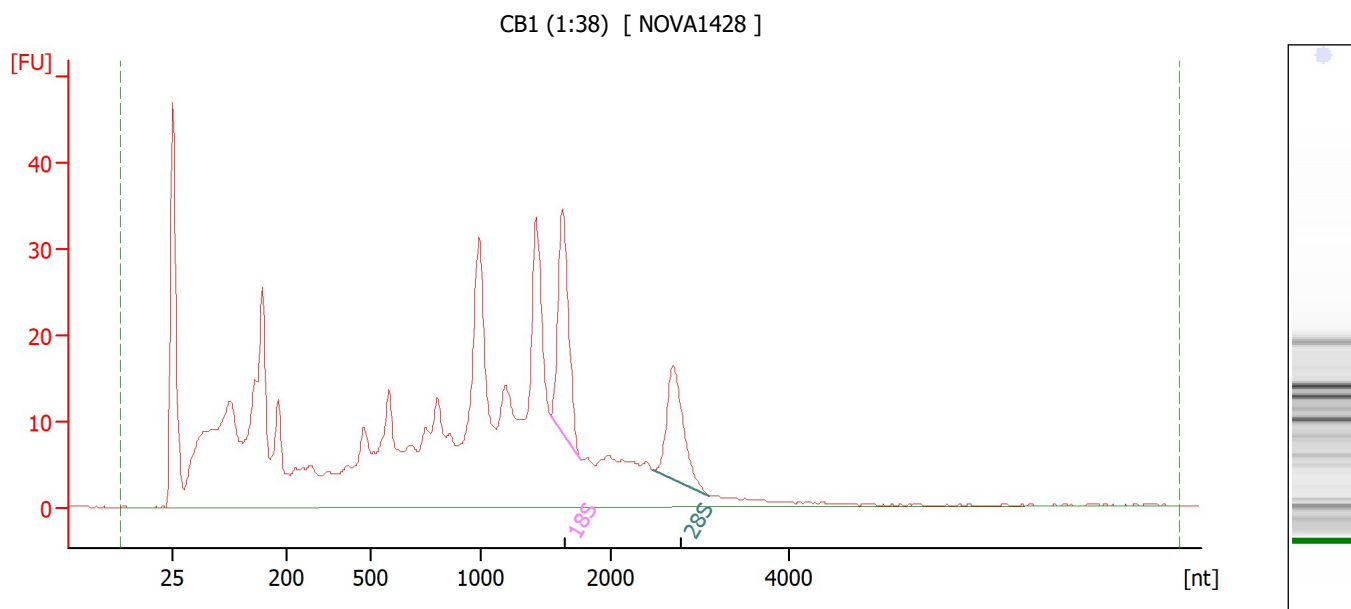
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : CB1 (1:38)**

RNA Area:	680.4	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	2,178 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 5.60

Fragment table for sample 1 : CB1 (1:38)

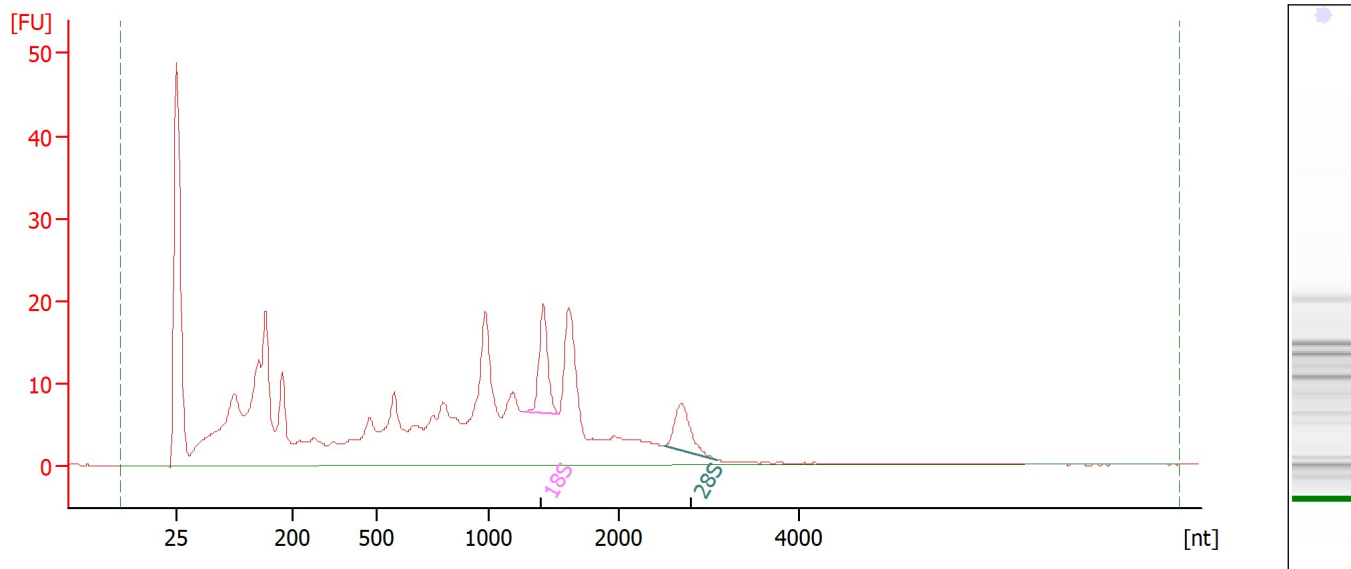
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	1,769	38.3	5.6
28S	2,481	3,103	26.6	3.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electropherogram Summary Continued ...

CB2 1:30 [NOVA1428]

**Overall Results for sample 2 : CB2 1:30**

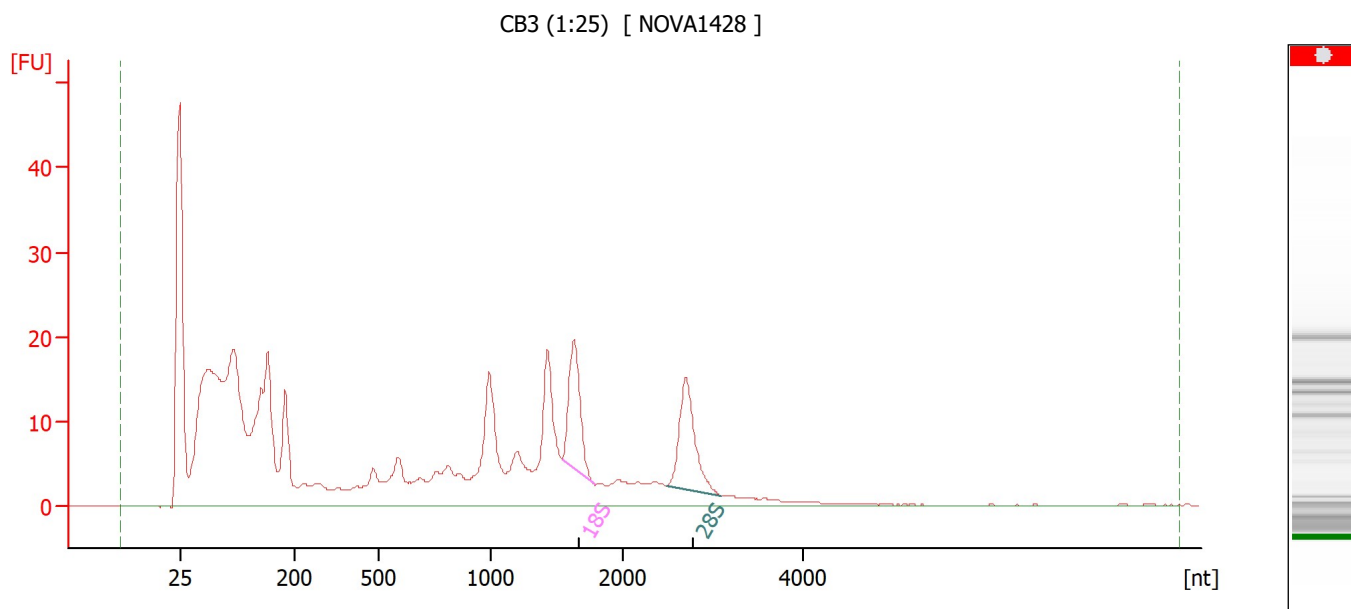
RNA Area:	428.3	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	1,371 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 4.90

Fragment table for sample 2 : CB2 1:30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,282	1,536	15.8	3.7
28S	2,515	3,084	10.9	2.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : CB3 (1:25)**

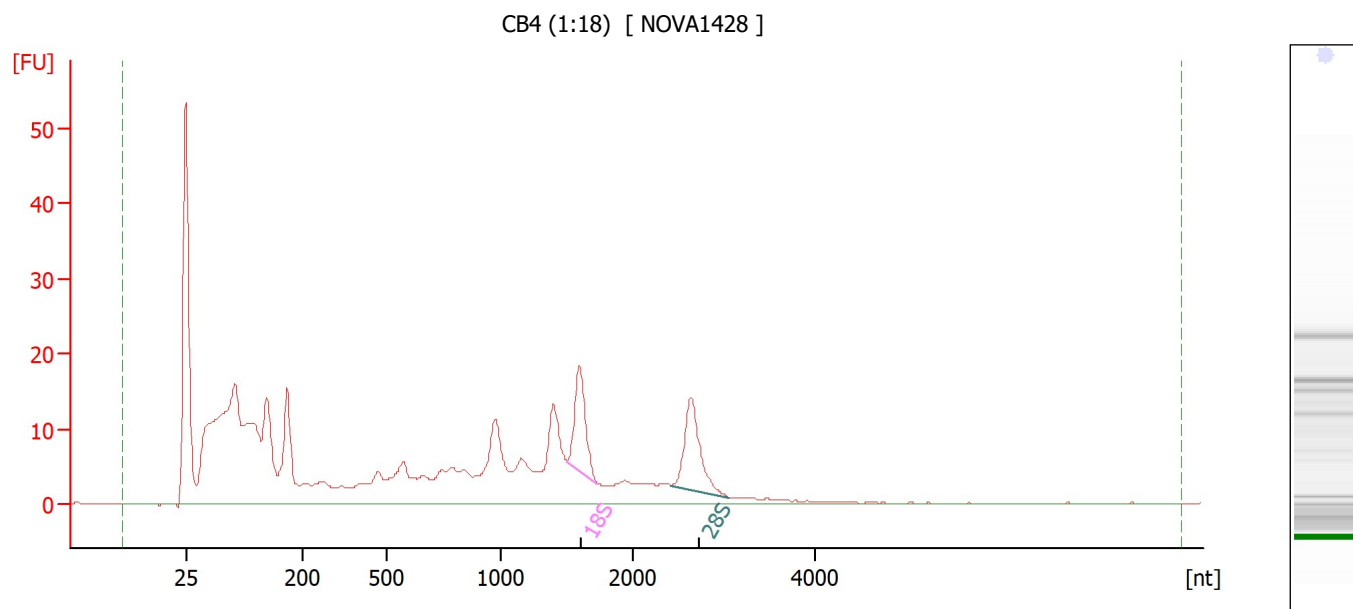
RNA Area:	490.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1,571 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : CB3 (1:25)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,784	22.7	4.6
28S	2,479	3,093	24.0	4.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : CB4 (1:18)**

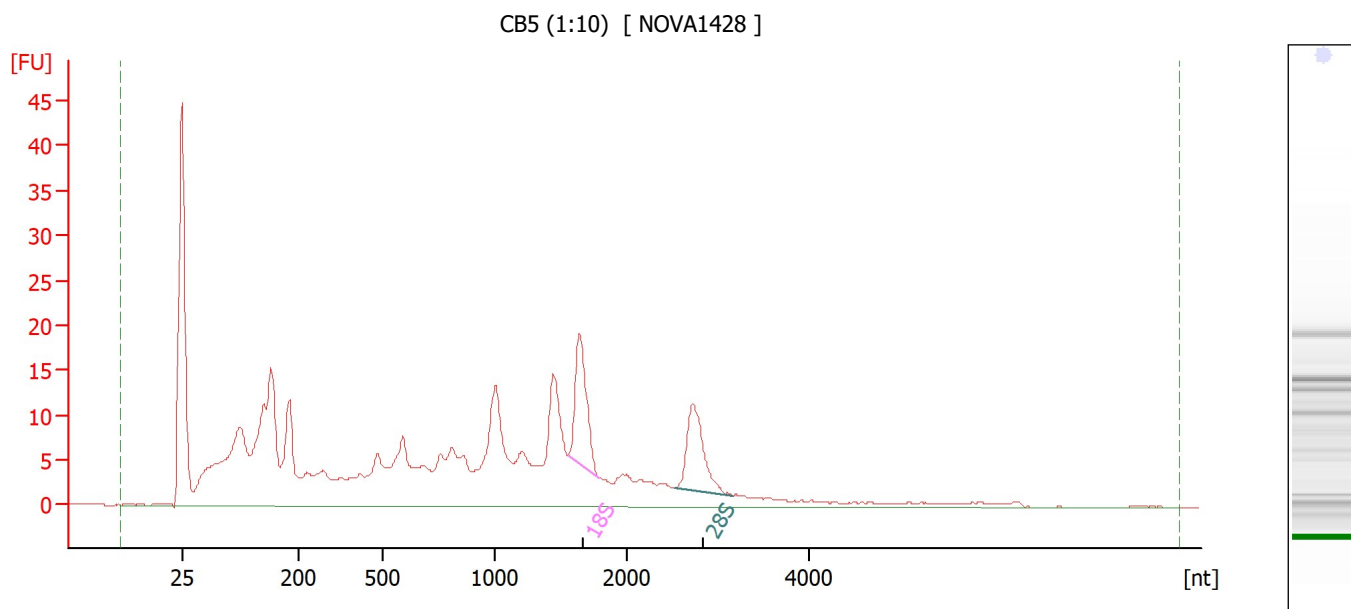
RNA Area:	439.8	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	1,407 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.10

Fragment table for sample 4 : CB4 (1:18)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,732	19.8	4.5
28S	2,419	3,063	22.3	5.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : CB5 (1:10)**

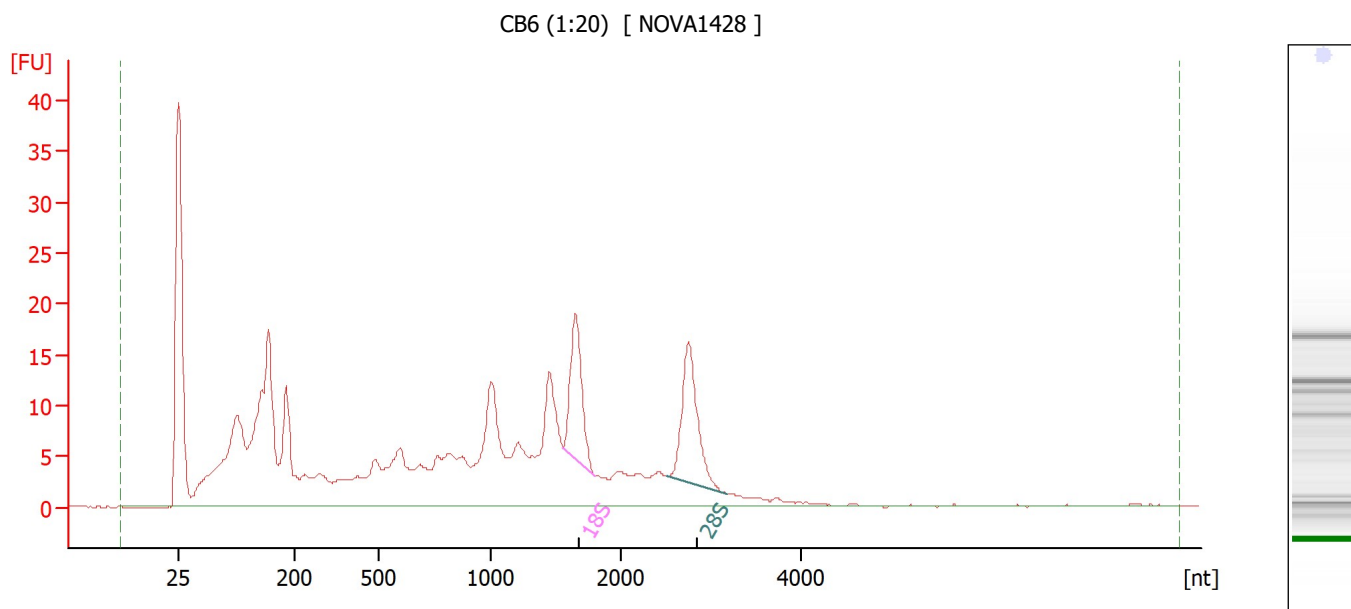
RNA Area:	419.8	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	1,344 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.10

Fragment table for sample 5 : CB5 (1:10)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,786	21.9	5.2
28S	2,525	3,160	19.0	4.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : CB6 (1:20)**

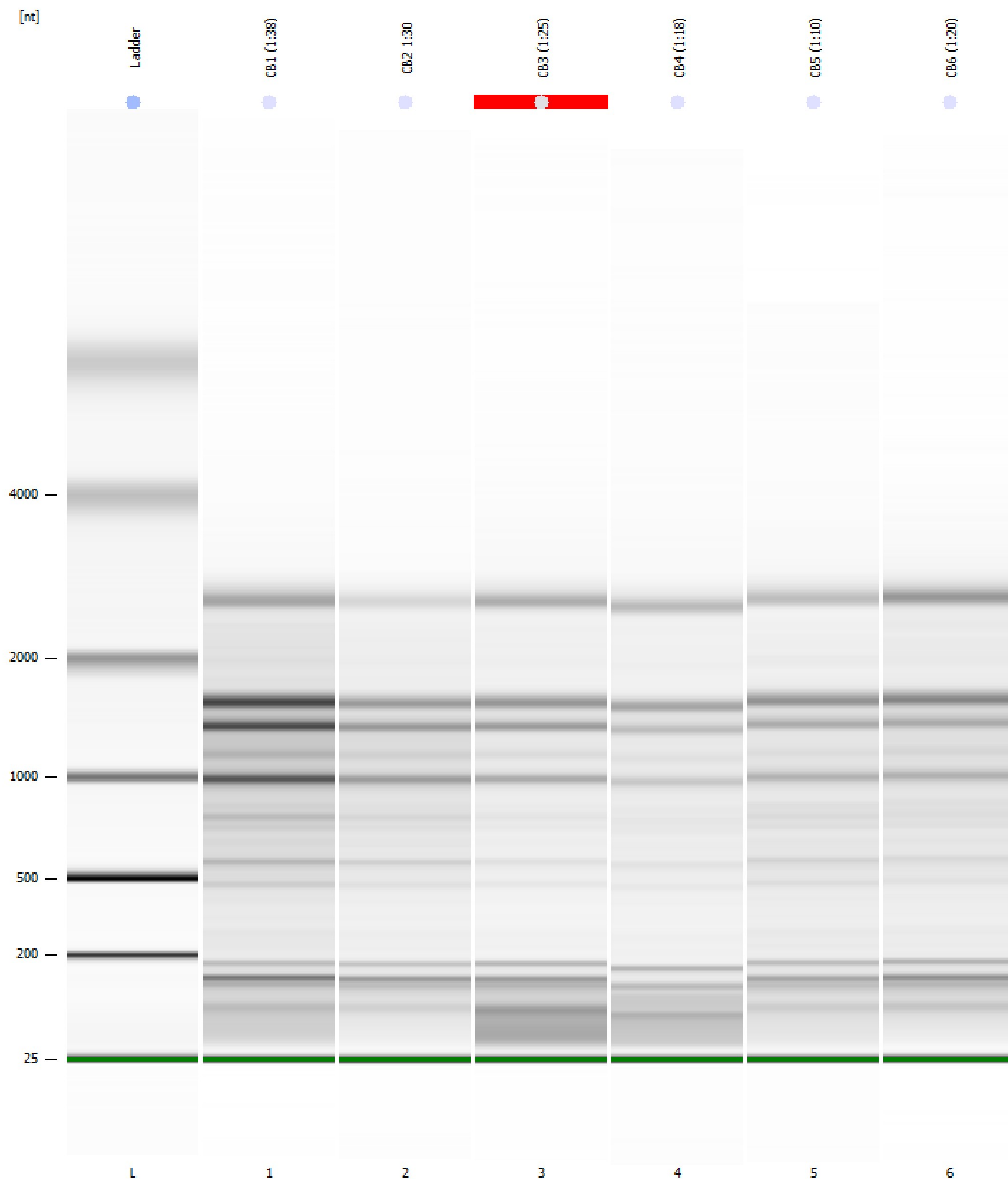
RNA Area:	393.4	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	1,259 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.20

Fragment table for sample 6 : CB6 (1:20)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,562	1,799	21.4	5.4
28S	2,503	3,189	25.5	6.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:44:03 PM

Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-11-21\NOVA1428_CB1-CB6.xad

Created: 11/21/2025 3:19:05 PM
 Modified: 11/21/2025 3:44:03 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		11/21/2025 3:42:01 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-11-21\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-11-21_001.xad)		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB