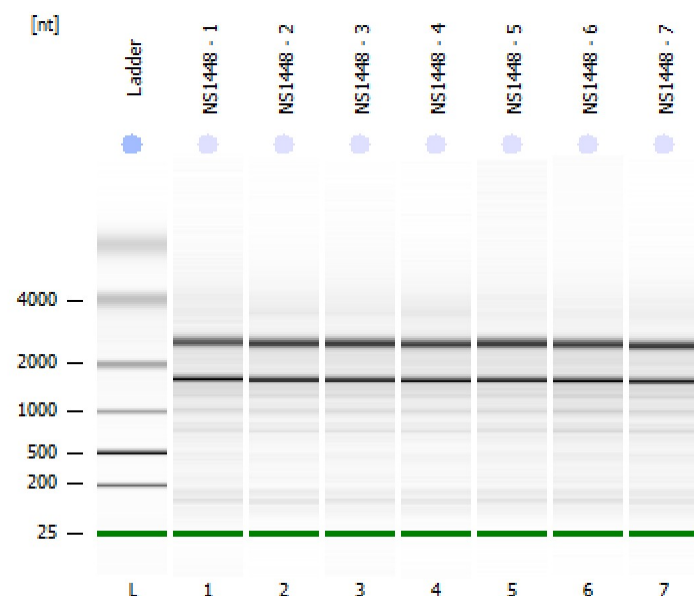


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
Type: G2938C

Assay Information:

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

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

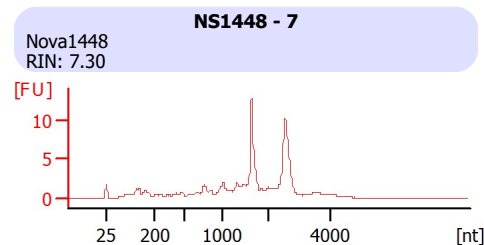
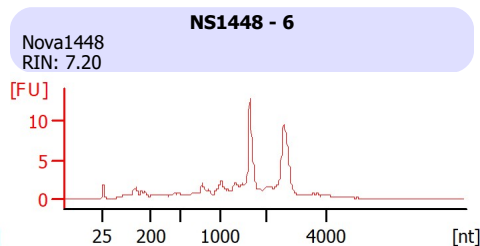
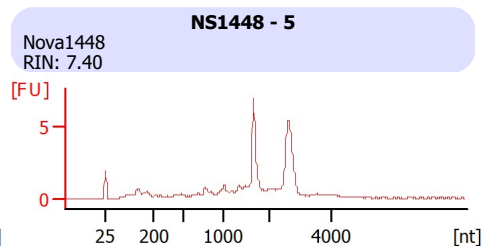
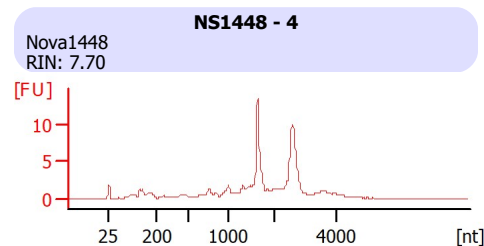
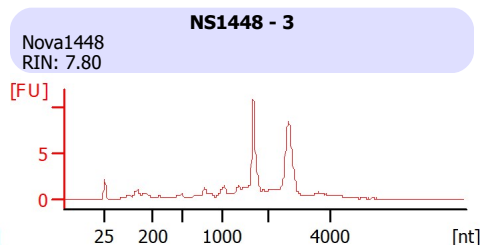
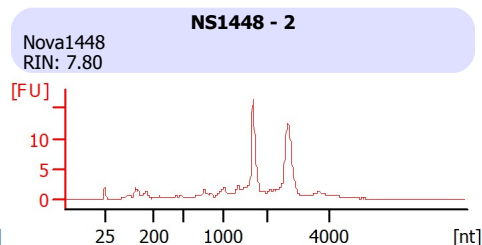
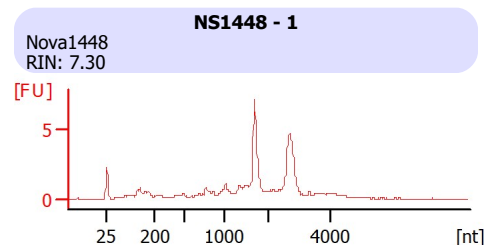
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NS1448 - 1	Nova1448	✓	RIN: 7.30	
NS1448 - 2	Nova1448	✓	RIN: 7.80	
NS1448 - 3	Nova1448	✓	RIN: 7.80	
NS1448 - 4	Nova1448	✓	RIN: 7.70	
NS1448 - 5	Nova1448	✓	RIN: 7.40	
NS1448 - 6	Nova1448	✓	RIN: 7.20	
NS1448 - 7	Nova1448	✓	RIN: 7.30	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

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] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

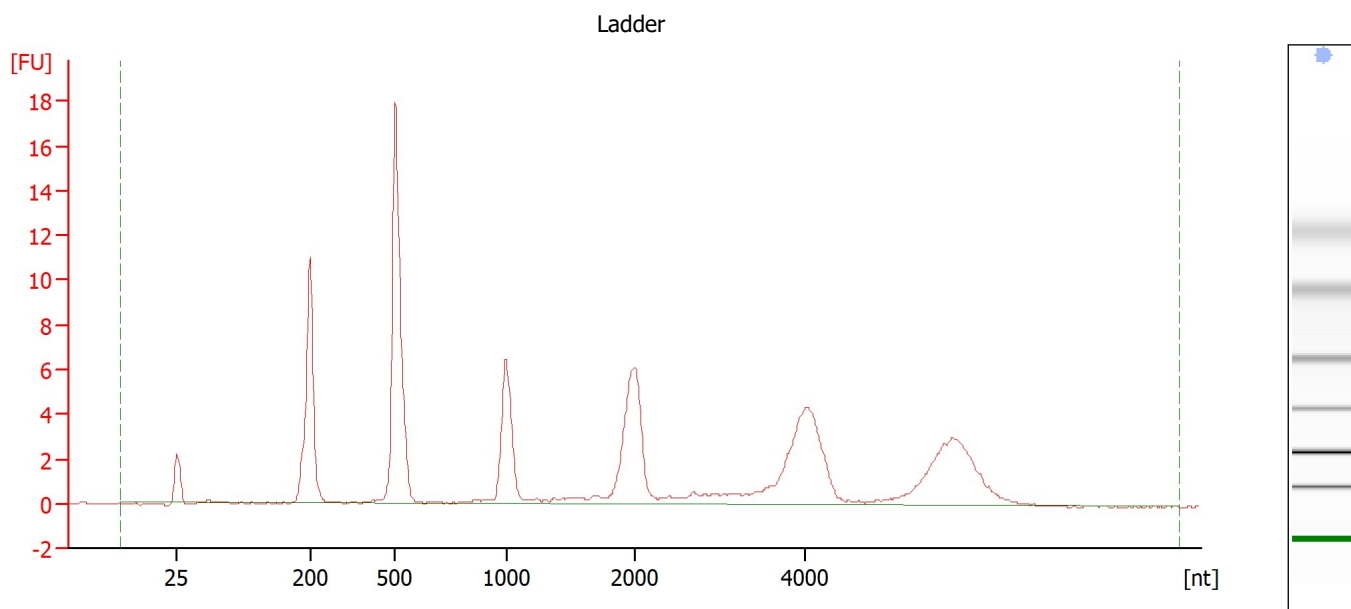
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 102.7

Result Flagging Color:



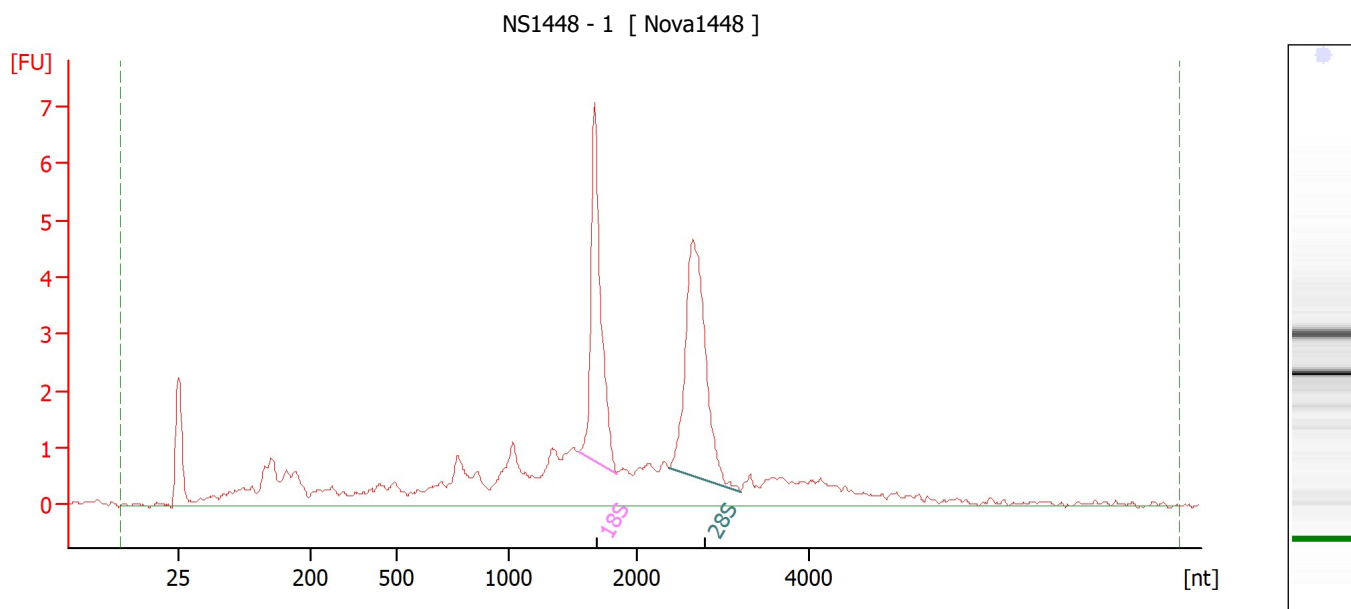
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : NS1448 - 1**

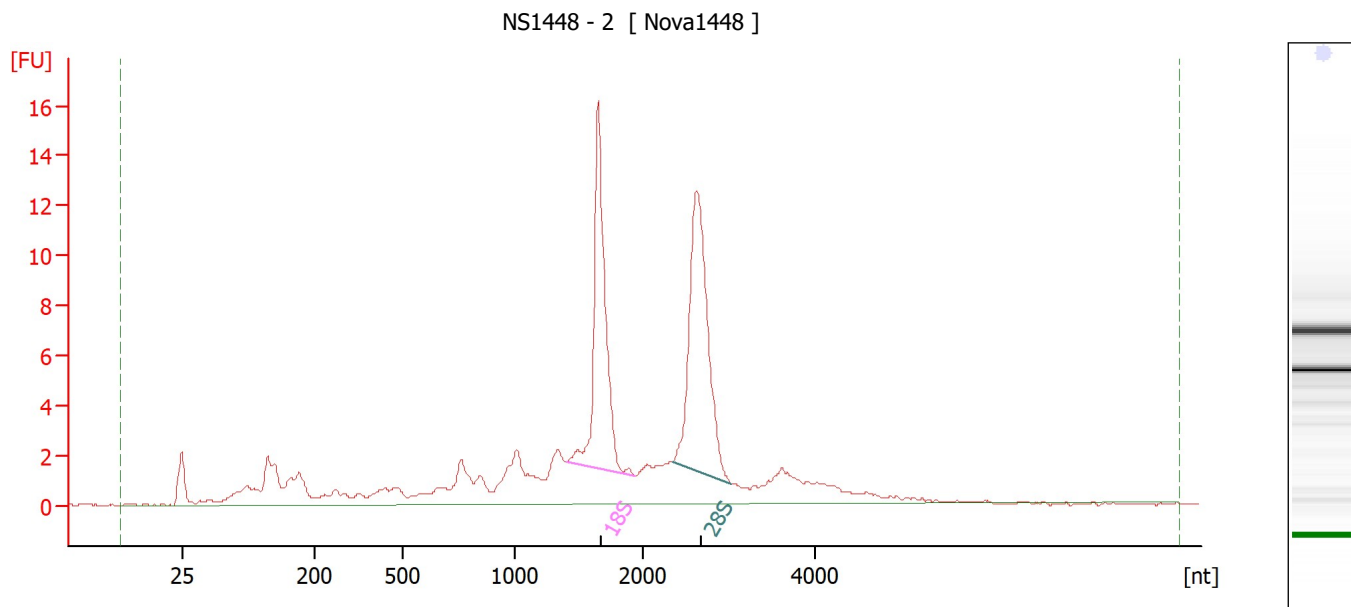
RNA Area:	58.1	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	85 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.30

Fragment table for sample 1 : NS1448 - 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,547	1,849	8.1	14.0
28S	2,384	3,215	9.9	17.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : NS1448 - 2**

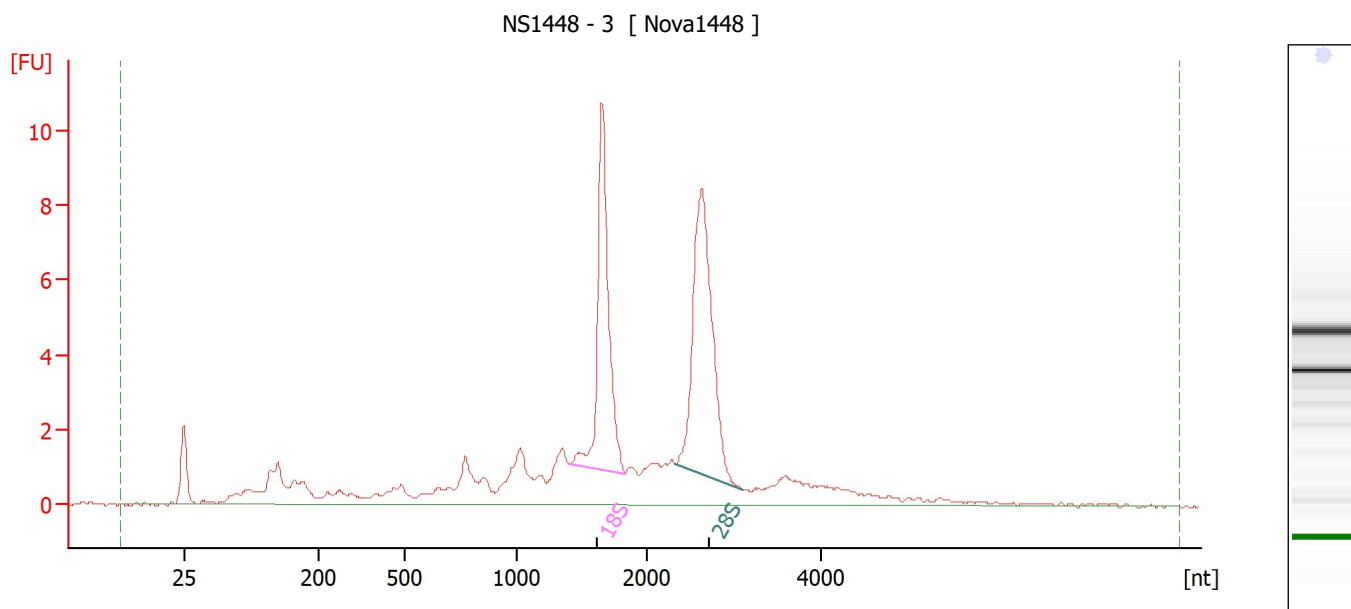
RNA Area:	121.2	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	177 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.80

Fragment table for sample 2 : NS1448 - 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,409	1,942	20.8	17.2
28S	2,346	3,023	24.1	19.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : NS1448 - 3**

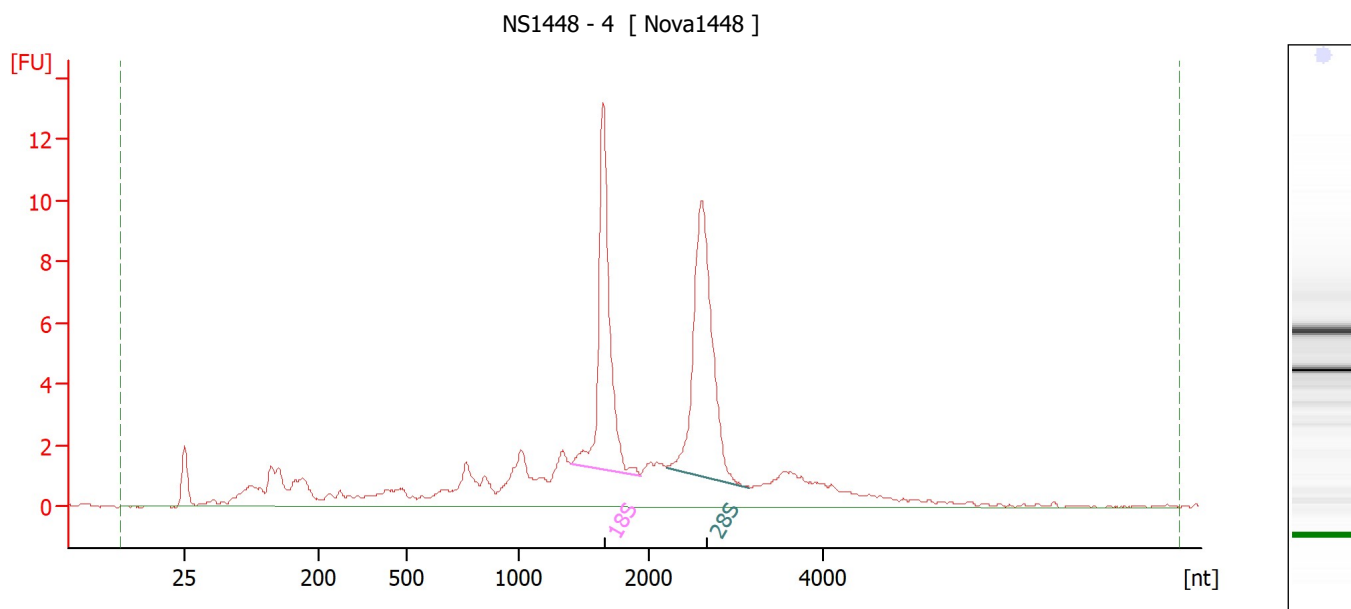
RNA Area:	78.8	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	115 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.80

Fragment table for sample 3 : NS1448 - 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,404	1,835	13.3	16.8
28S	2,333	3,105	16.9	21.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : NS1448 - 4**

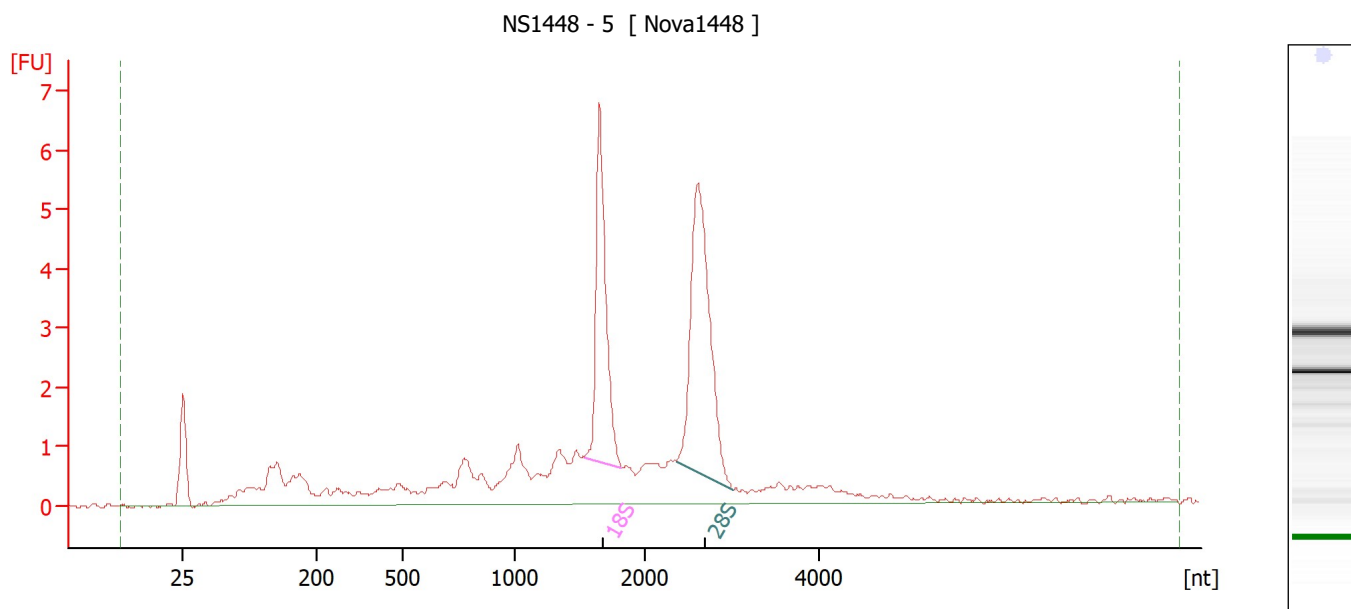
RNA Area:	101.8	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	149 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.70

Fragment table for sample 4 : NS1448 - 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,398	1,935	15.9	15.6
28S	2,198	3,152	19.4	19.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : NS1448 - 5**

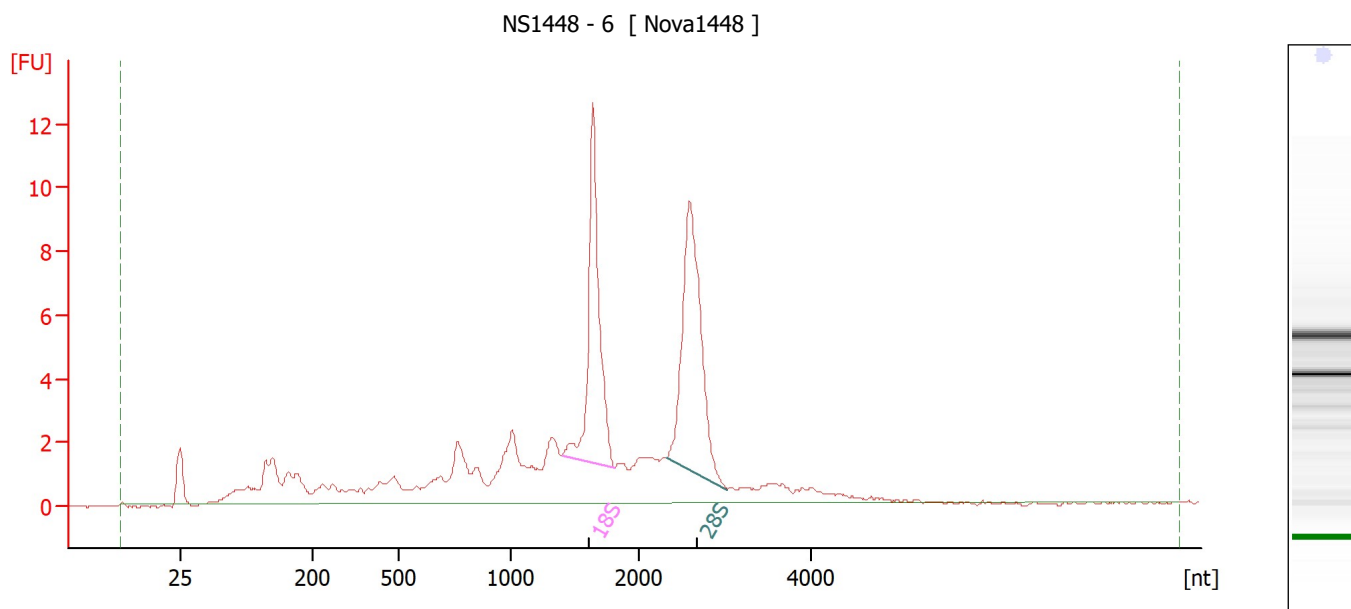
RNA Area:	53.0	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	77 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.40

Fragment table for sample 5 : NS1448 - 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,536	1,818	7.4	13.9
28S	2,370	3,009	10.7	20.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : NS1448 - 6**

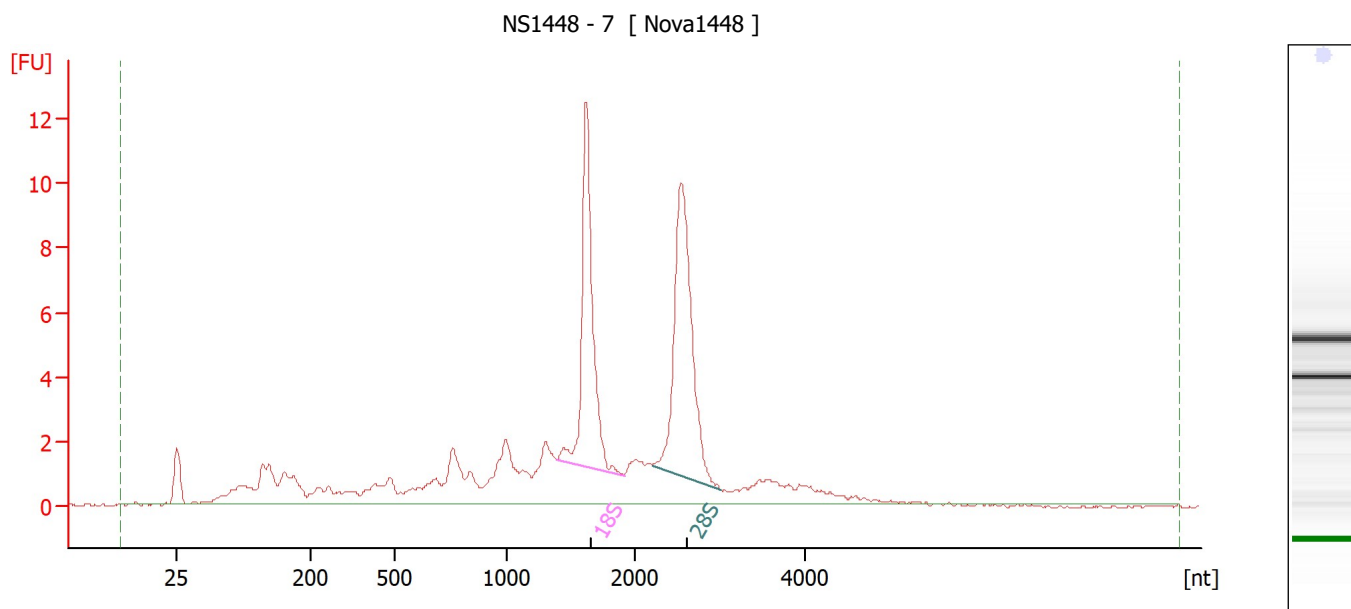
RNA Area:	101.5	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	148 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.20

Fragment table for sample 6 : NS1448 - 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,406	1,816	15.4	15.1
28S	2,334	3,039	18.4	18.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : NS1448 - 7**

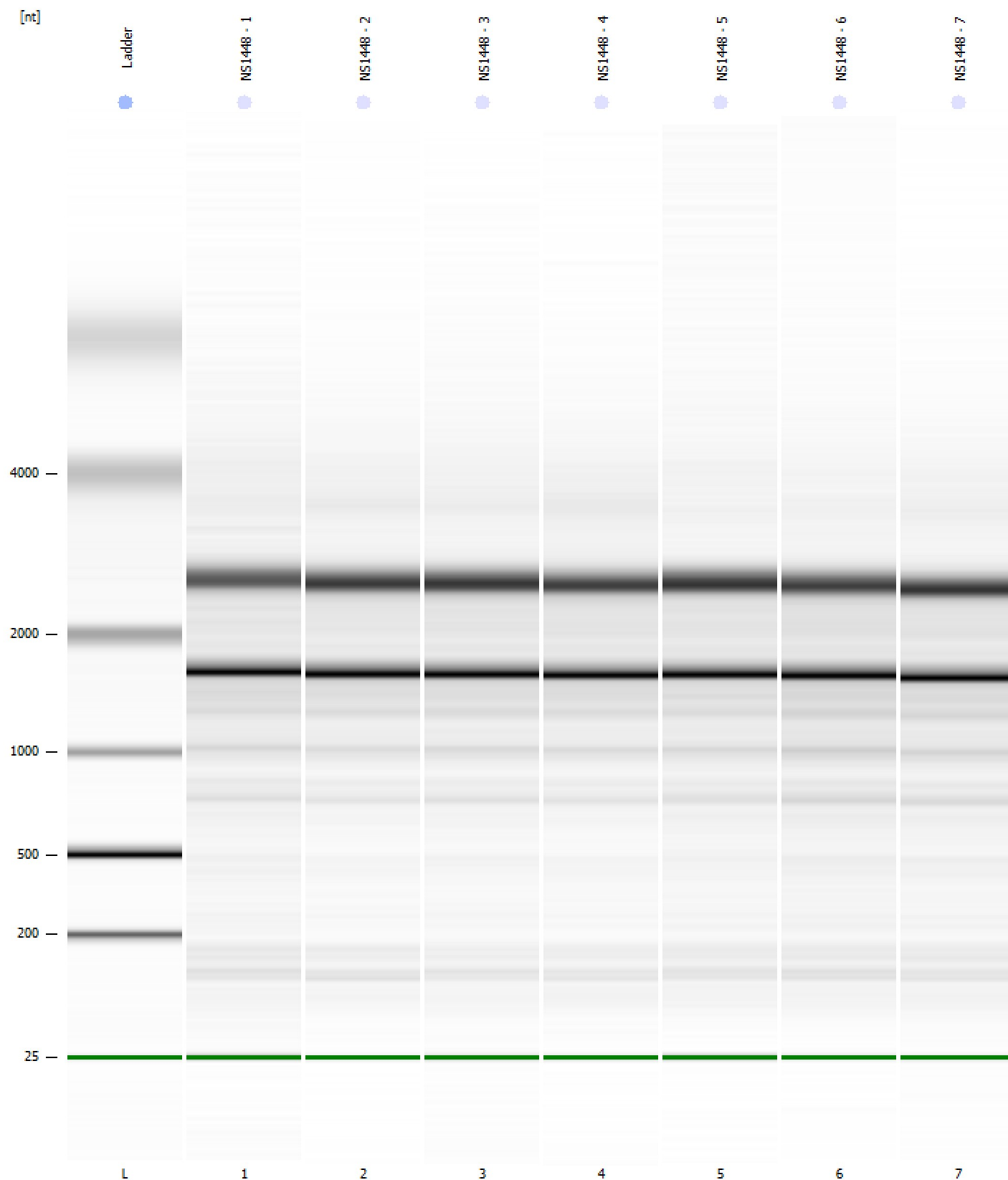
RNA Area:	95.9	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	140 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.30

Fragment table for sample 7 : NS1448 - 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,394	1,924	15.1	15.8
28S	2,211	3,018	18.9	19.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:04:52 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...yzer\2100 expert\data\2025-12-15\NS1448_1-7_RNA_QC_BIOA.xad

Created: 12/15/2025 3:30:33 PM
 Modified: 12/15/2025 4:04:52 PM

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		12/15/2025 3:54:23 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\2025-12-15\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2025-12-15_001.xad)		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB