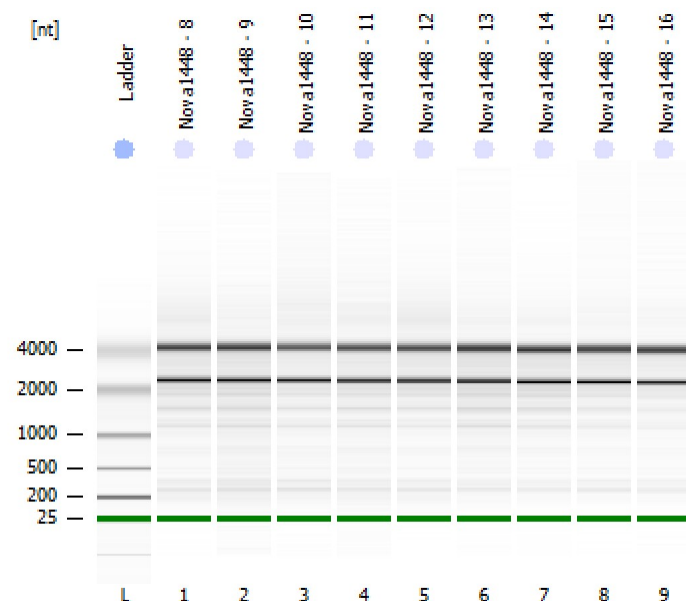


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electrophoresis File Run SummaryInstrument 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 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:

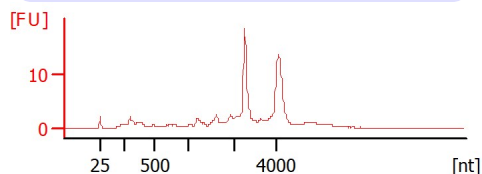
Chip Lot #:

Reagent Kit Lot #:

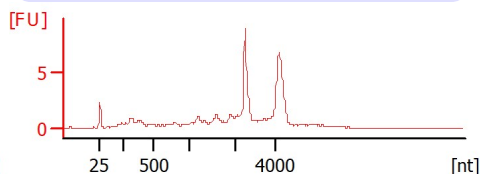
Chip Comments:

Nova1448 - 8

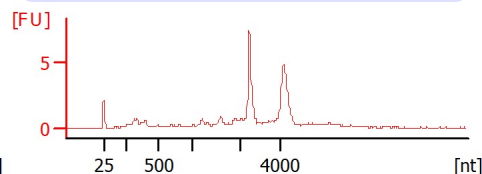
RIN: 7.60

**Nova1448 - 9**

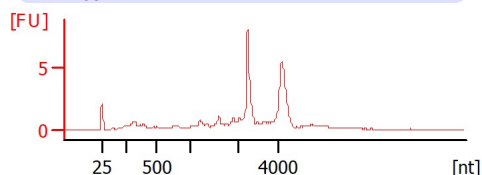
RIN: 7.30

**Nova1448 - 10**

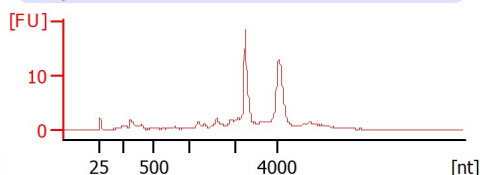
RIN: 7.70

**Nova1448 - 11**

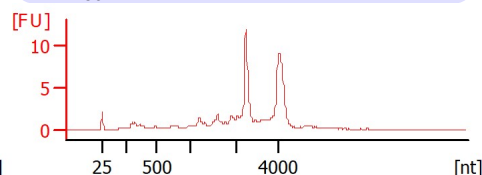
RIN: 7.60

**Nova1448 - 12**

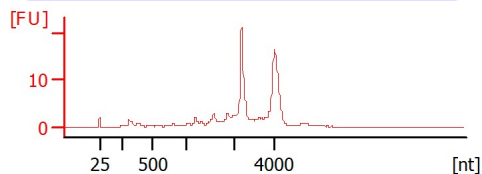
RIN: 8

**Nova1448 - 13**

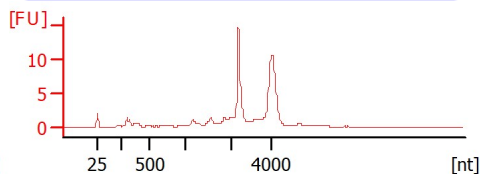
RIN: 7.80

**Nova1448 - 14**

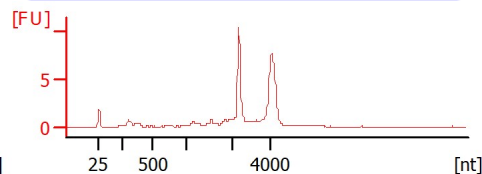
RIN: 7.90

**Nova1448 - 15**

RIN: 8

**Nova1448 - 16**

RIN: 8.40



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova1448 - 8		✓	RIN: 7.60	
Nova1448 - 9		✓	RIN: 7.30	
Nova1448 - 10		✓	RIN: 7.70	
Nova1448 - 11		✓	RIN: 7.60	
Nova1448 - 12		✓	RIN:8	
Nova1448 - 13		✓	RIN: 7.80	
Nova1448 - 14		✓	RIN: 7.90	
Nova1448 - 15		✓	RIN:8	
Nova1448 - 16		✓	RIN: 8.40	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 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

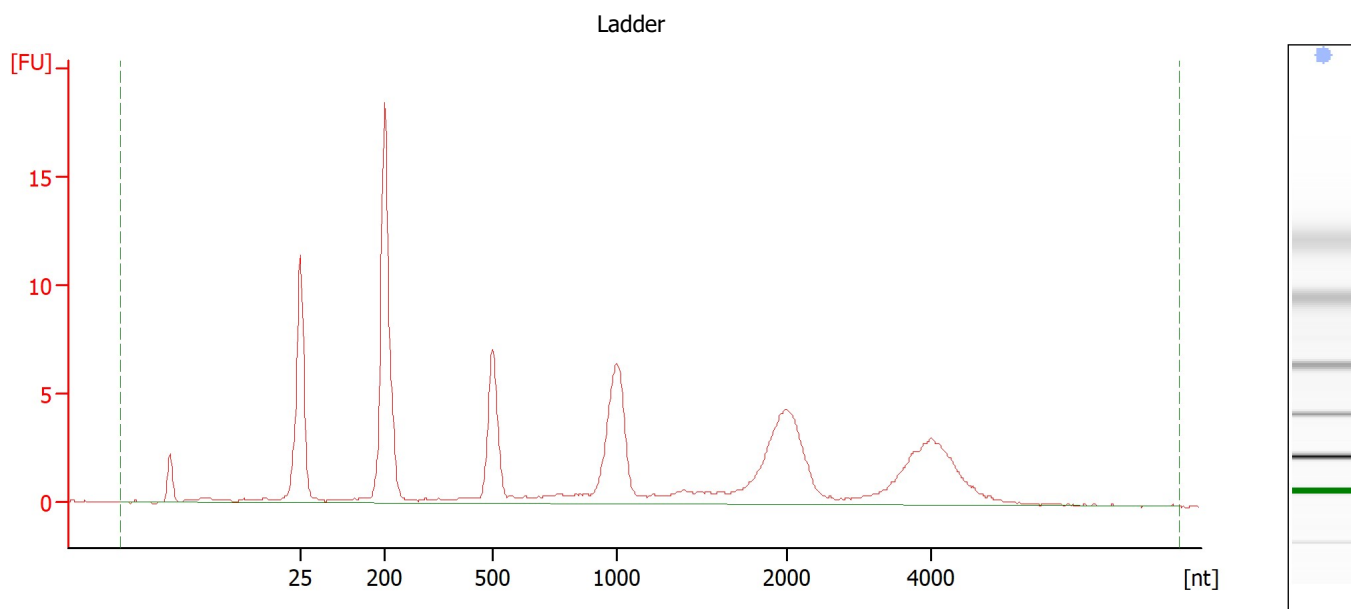
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 105.3

Result Flagging Color:



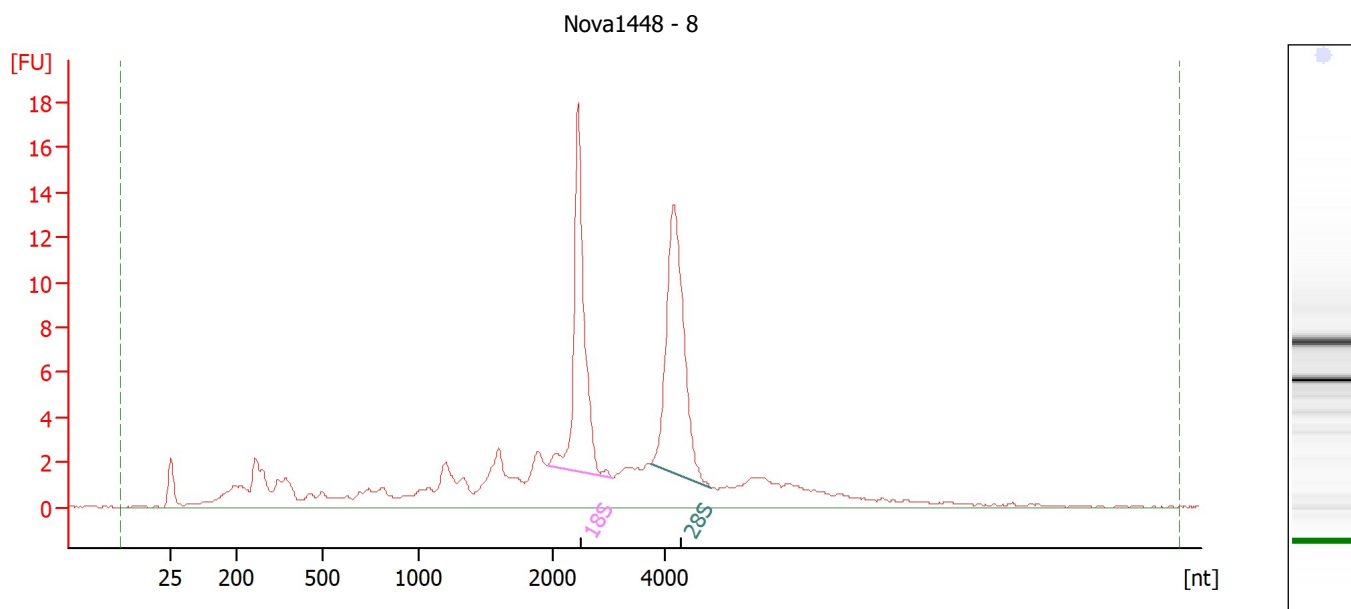
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : Nova1448 - 8**

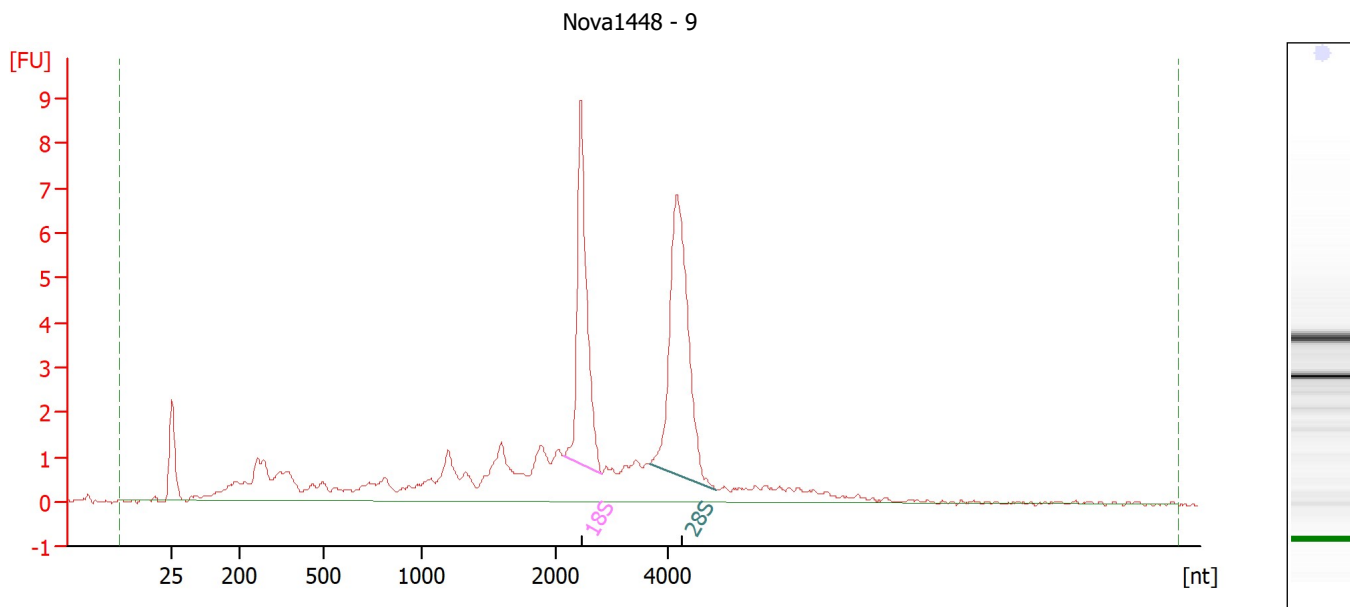
RNA Area:	138.0	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	197 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

Fragment table for sample 1 : Nova1448 - 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,973	3,071	22.1	16.0
28S	3,734	4,812	24.9	18.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : Nova1448 - 9**

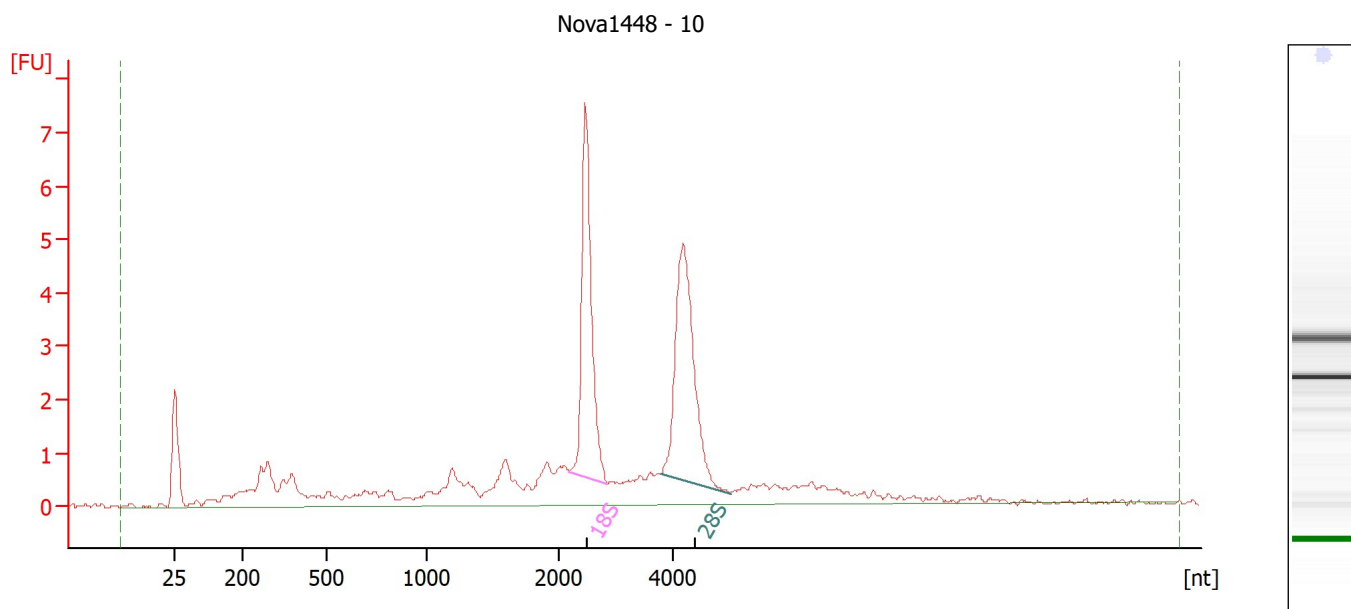
RNA Area:	68.0	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	97 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.30

Fragment table for sample 2 : Nova1448 - 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,151	2,829	10.1	14.9
28S	3,657	4,844	13.8	20.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : Nova1448 - 10**

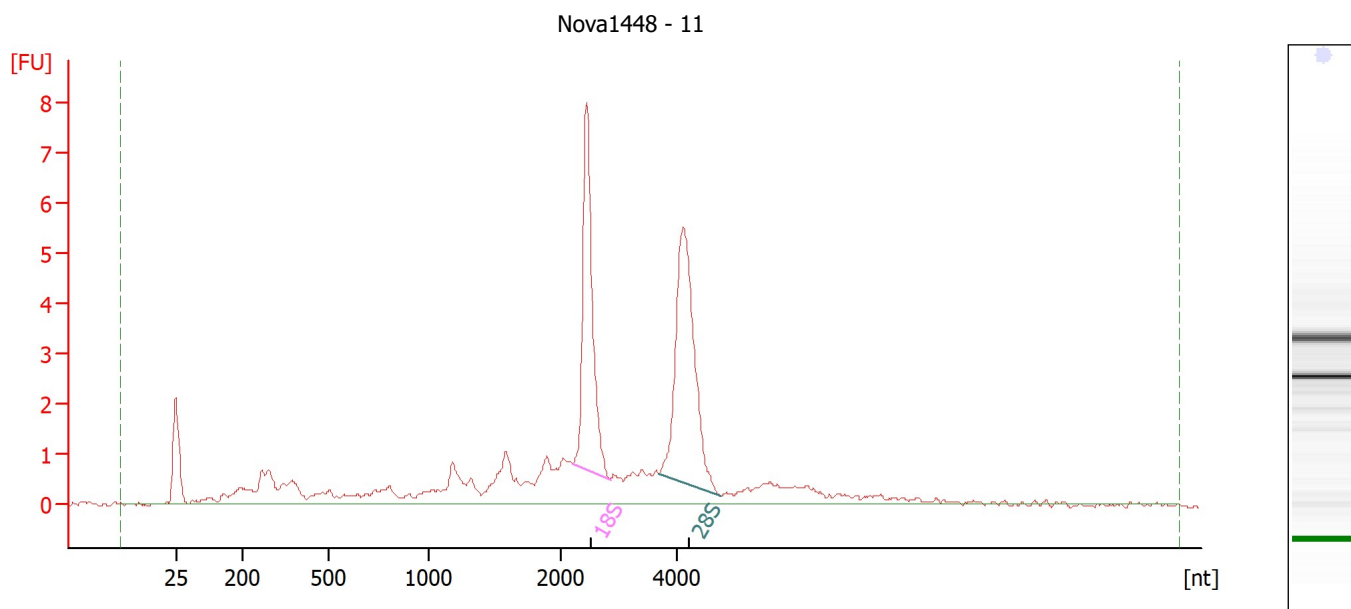
RNA Area:	48.7	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.70

Fragment table for sample 3 : Nova1448 - 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,176	2,832	8.5	17.5
28S	3,769	4,988	9.7	19.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Nova1448 - 11**

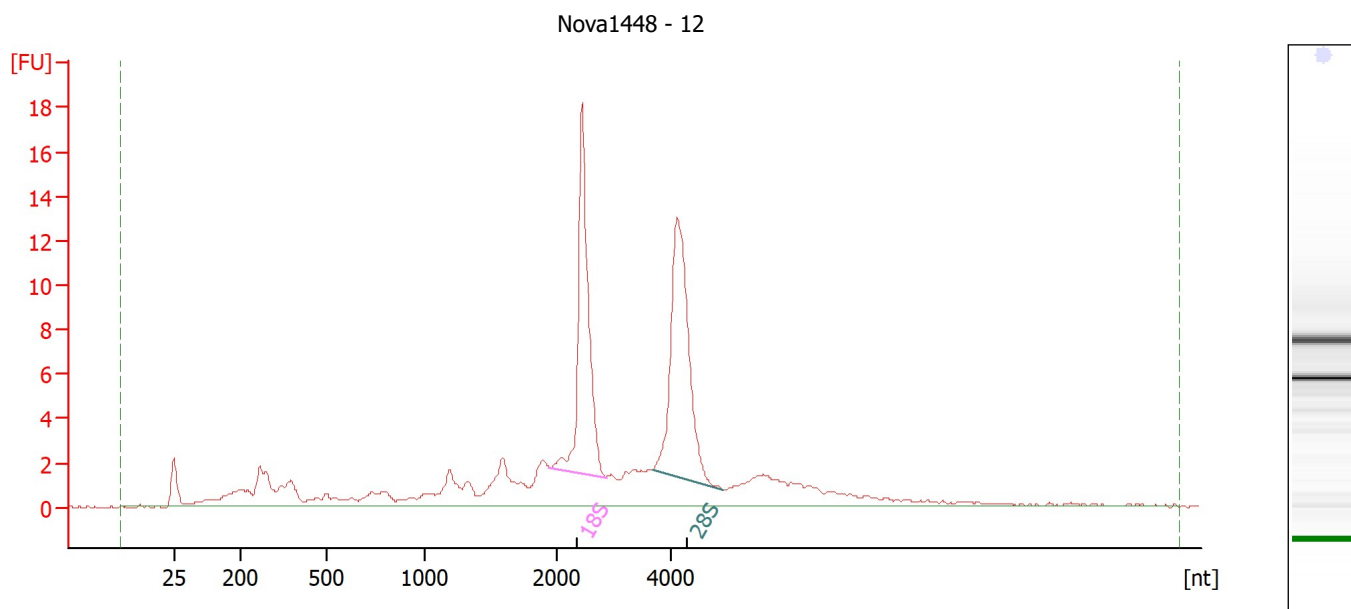
RNA Area:	49.8	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	71 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.60

Fragment table for sample 4 : Nova1448 - 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,179	2,852	8.8	17.7
28S	3,712	4,797	11.2	22.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : Nova1448 - 12**

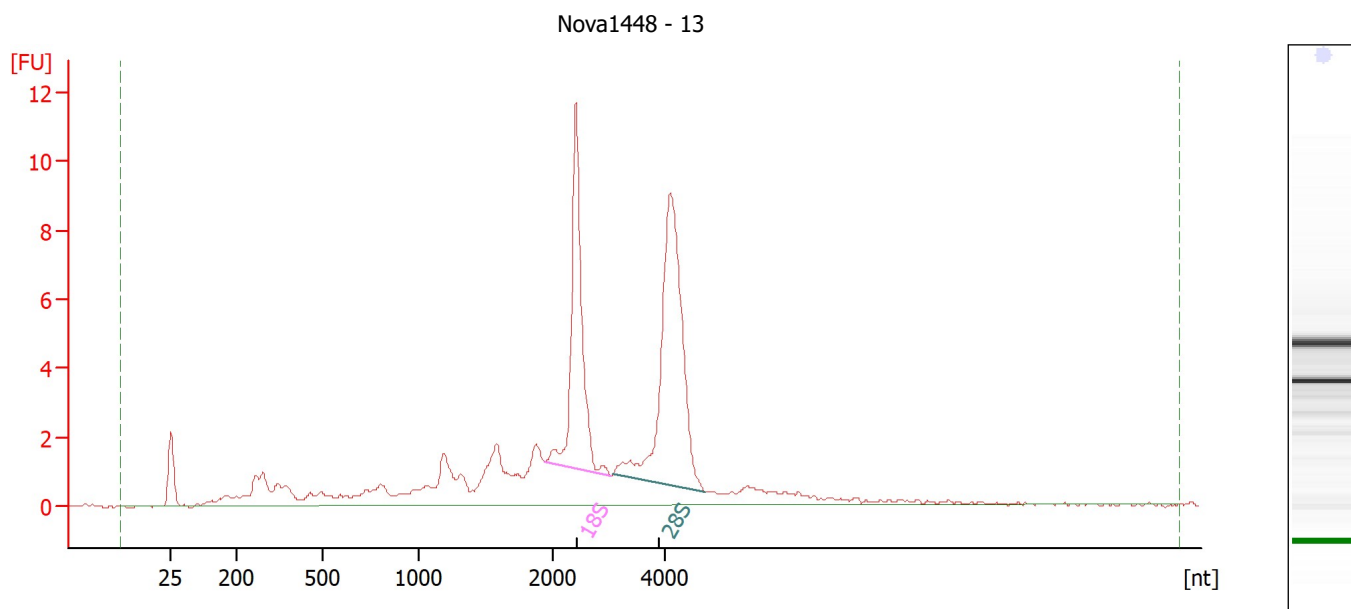
RNA Area:	127.1	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	181 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN:8

Fragment table for sample 5 : Nova1448 - 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,937	2,849	21.9	17.3
28S	3,676	4,916	24.9	19.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Nova1448 - 13**

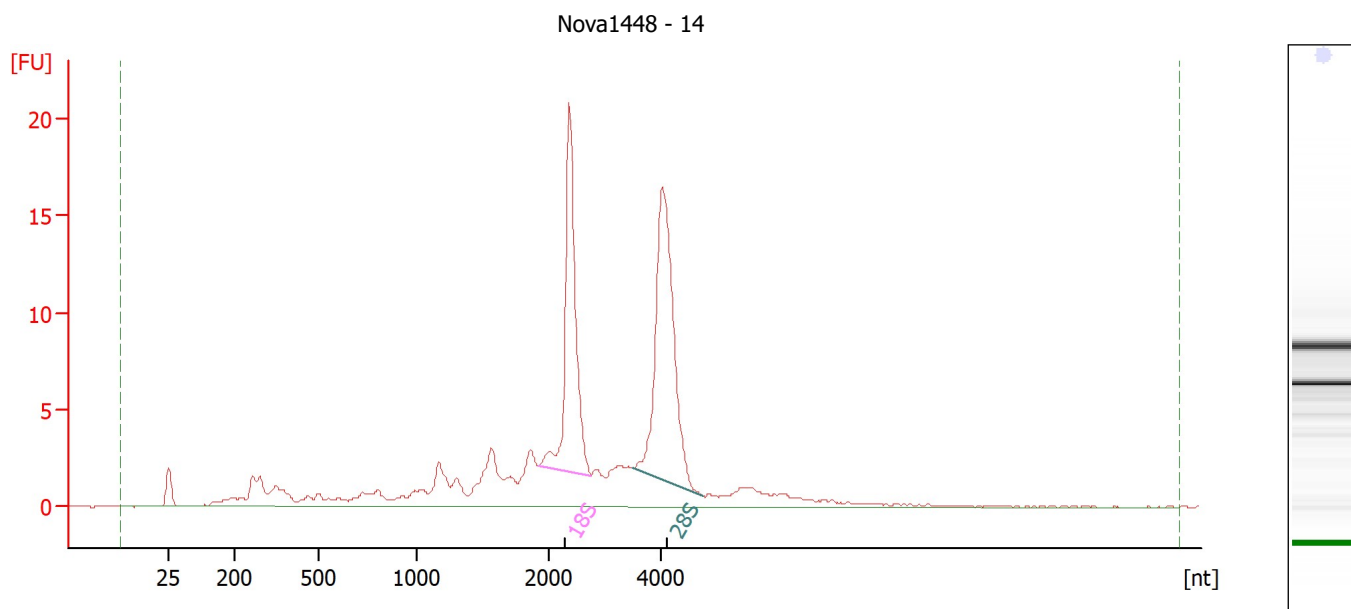
RNA Area:	84.4	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	120 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.80

Fragment table for sample 6 : Nova1448 - 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,940	3,053	14.2	16.8
28S	3,090	4,717	21.4	25.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Nova1448 - 14**

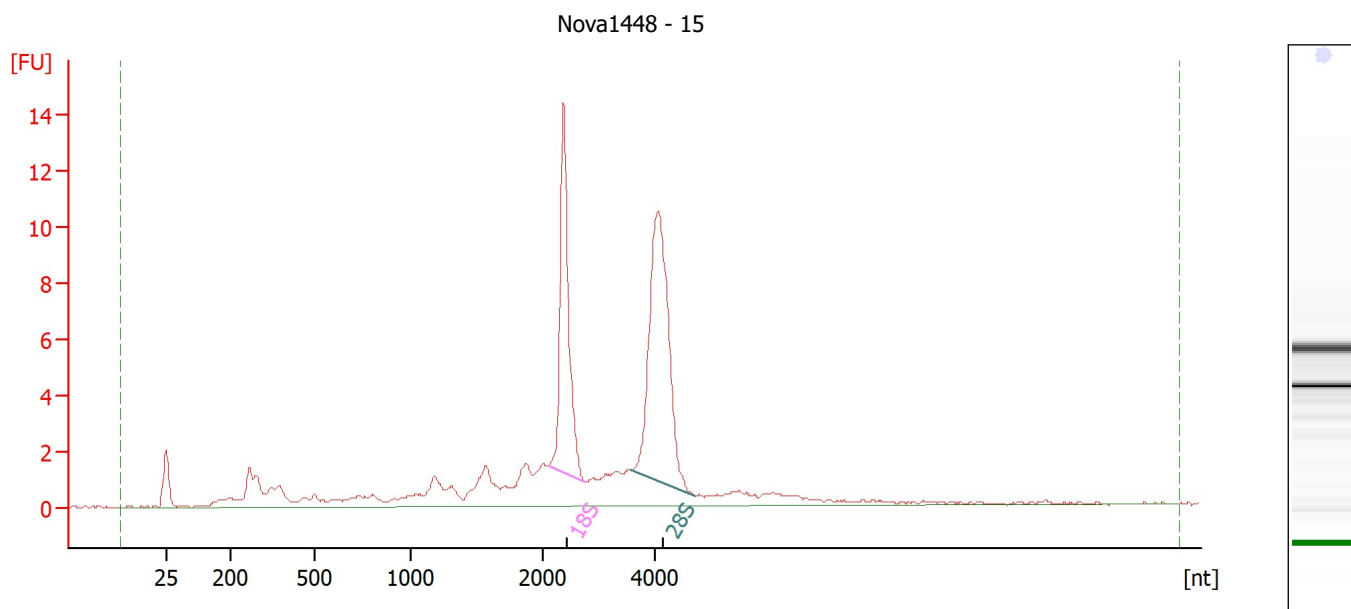
RNA Area:	139.0	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	198 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.90

Fragment table for sample 7 : Nova1448 - 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,929	2,765	24.5	17.7
28S	3,506	4,761	32.9	23.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Nova1448 - 15**

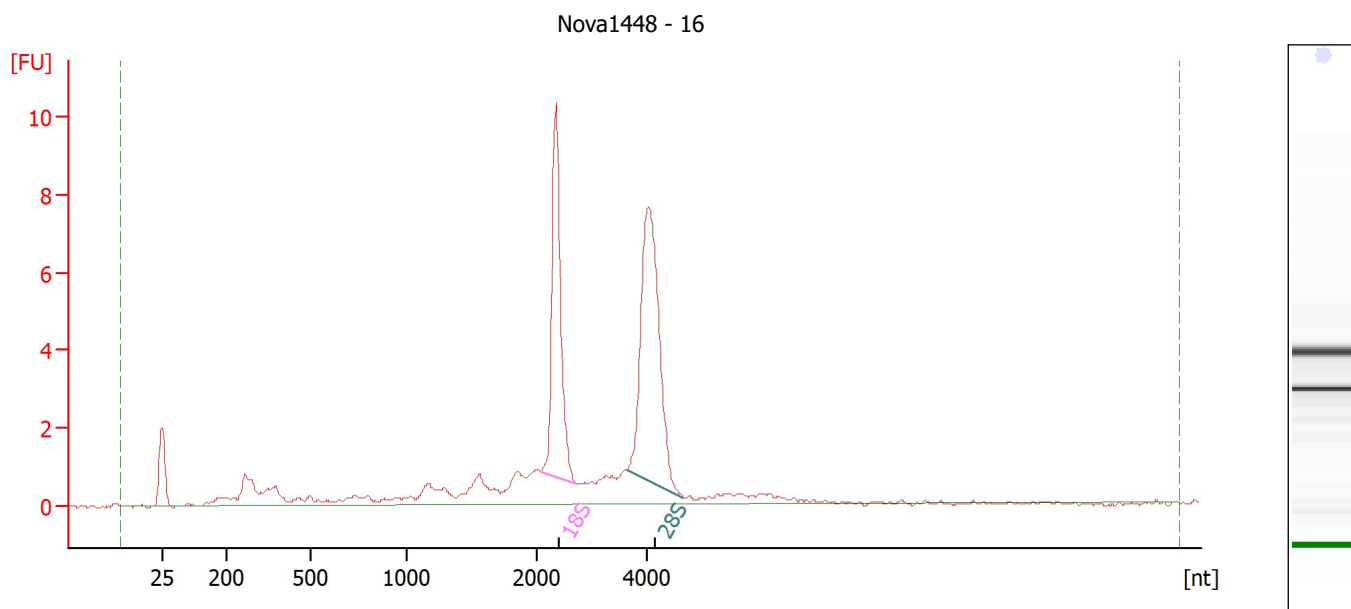
RNA Area:	87.0	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	124 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:8

Fragment table for sample 8 : Nova1448 - 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,109	2,779	15.3	17.6
28S	3,583	4,750	22.7	26.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : Nova1448 - 16**

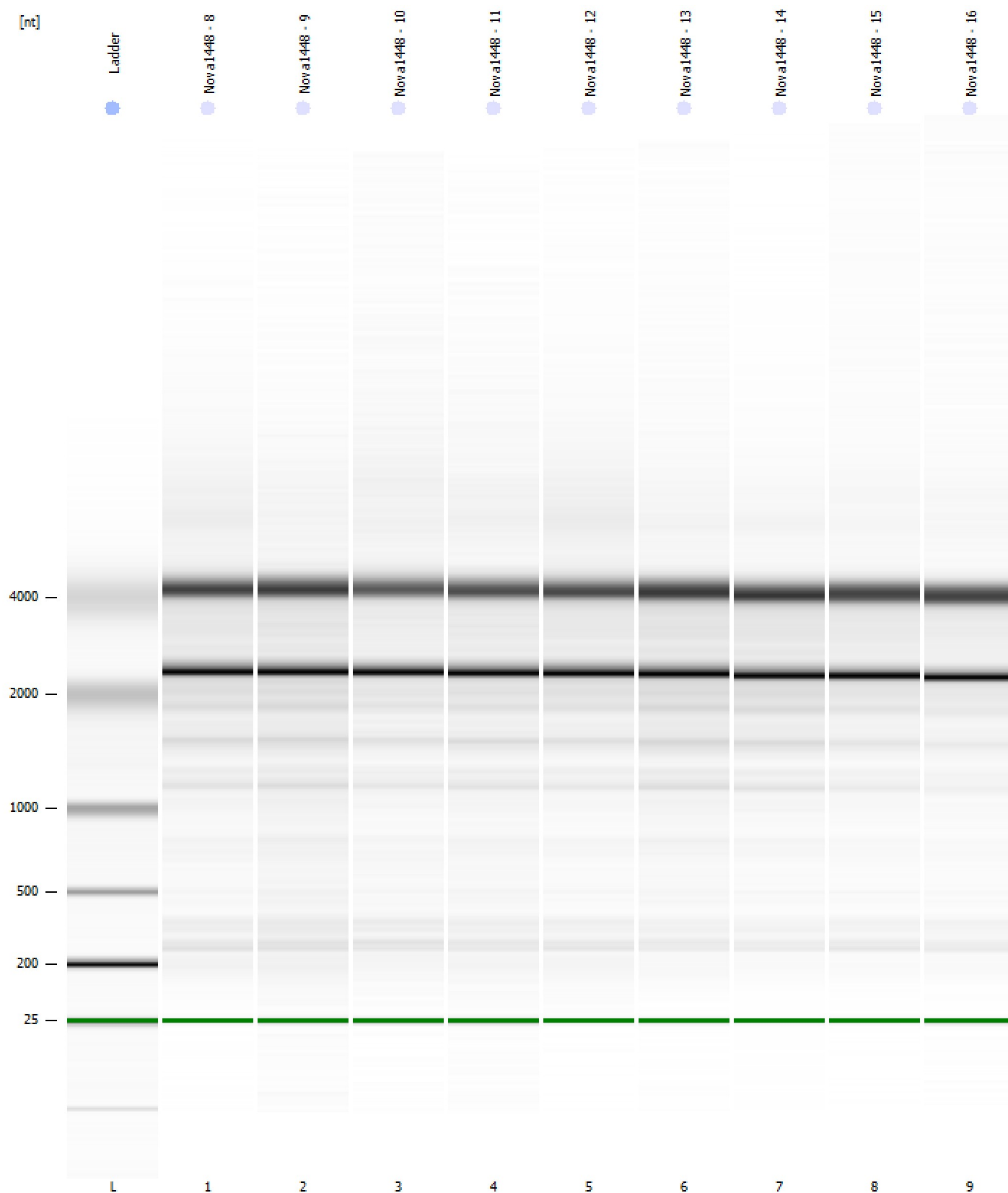
RNA Area:	55.4	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	79 ng/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	1.5	Result Flagging Label:	RIN: 8.40

Fragment table for sample 9 : Nova1448 - 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,080	2,716	10.8	19.5
28S	3,641	4,643	15.8	28.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer\2100 expert\data\2025-12-15\NS1448_8-16_RNA_QC_BIOA.xad

Created: 12/15/2025 4:02:11 PM
Modified: 12/15/2025 4:27:46 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 4:25:17 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_002.xad)		Instrument	Run		12/15/2025 4:02:17 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/15/2025 4:02:17 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/15/2025 4:02:17 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/15/2025 4:02:17 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/15/2025 4:02:17 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/15/2025 4:02:17 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/15/2025 4:02:17 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB