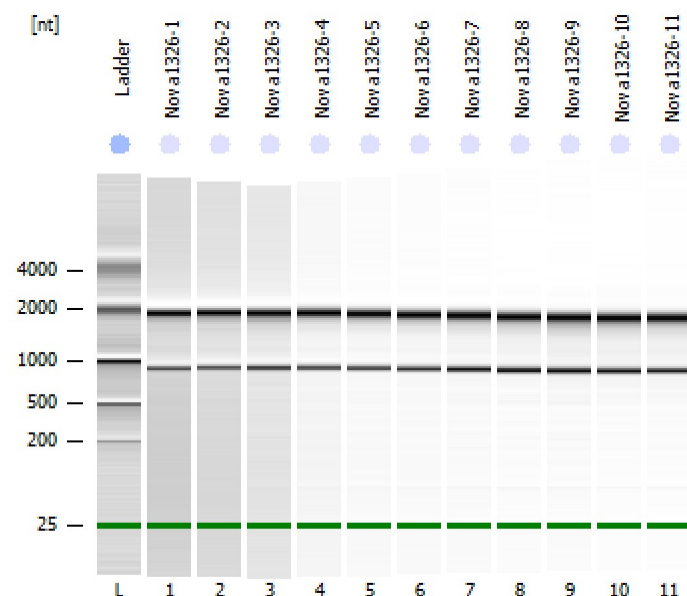


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 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)

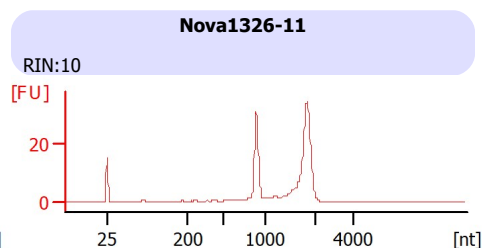
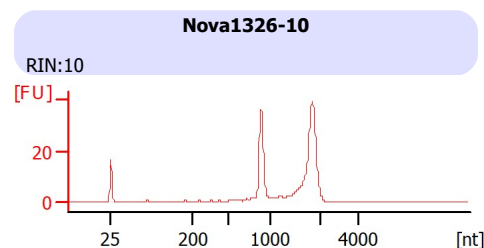
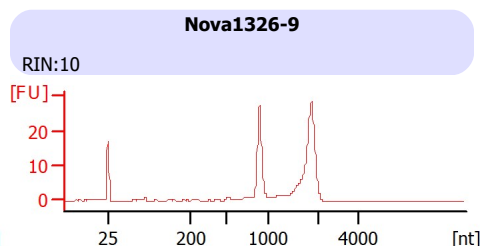
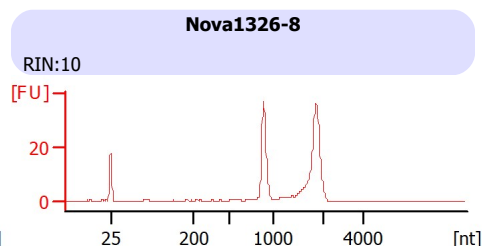
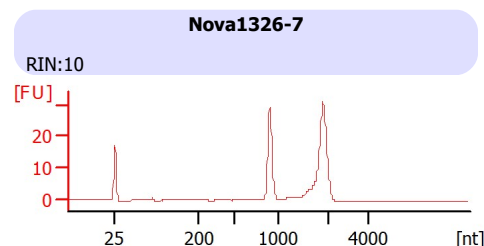
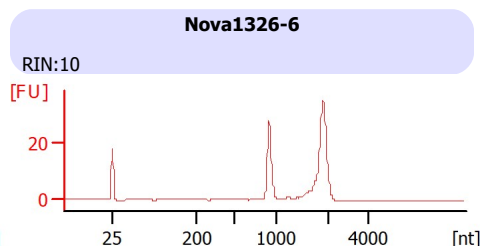
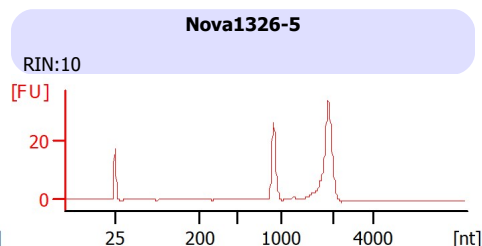
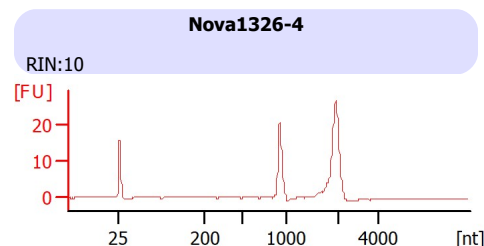
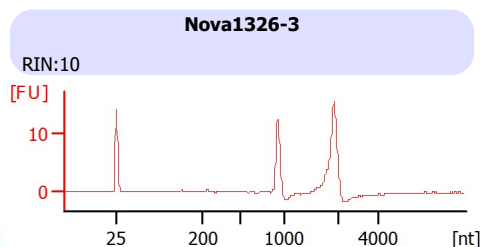
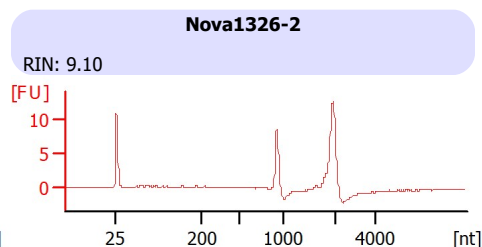
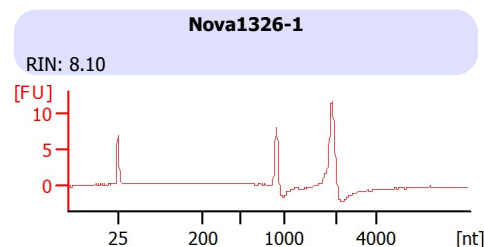
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova1326-1		✓	RIN: 8.10	
Nova1326-2		✓	RIN: 9.10	
Nova1326-3		✓	RIN:10	
Nova1326-4		✓	RIN:10	
Nova1326-5		✓	RIN:10	
Nova1326-6		✓	RIN:10	
Nova1326-7		✓	RIN:10	
Nova1326-8		✓	RIN:10	
Nova1326-9		✓	RIN:10	
Nova1326-10		✓	RIN:10	
Nova1326-11		✓	RIN:10	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 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/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 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

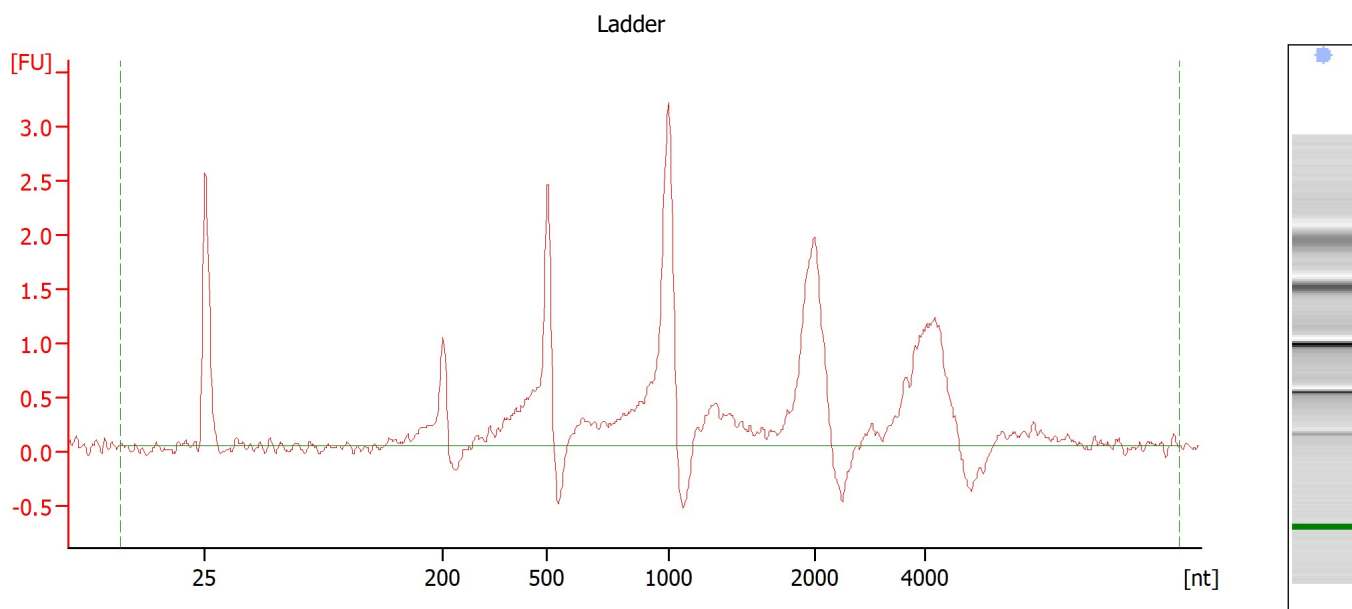
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 23.6

Result Flagging Color:



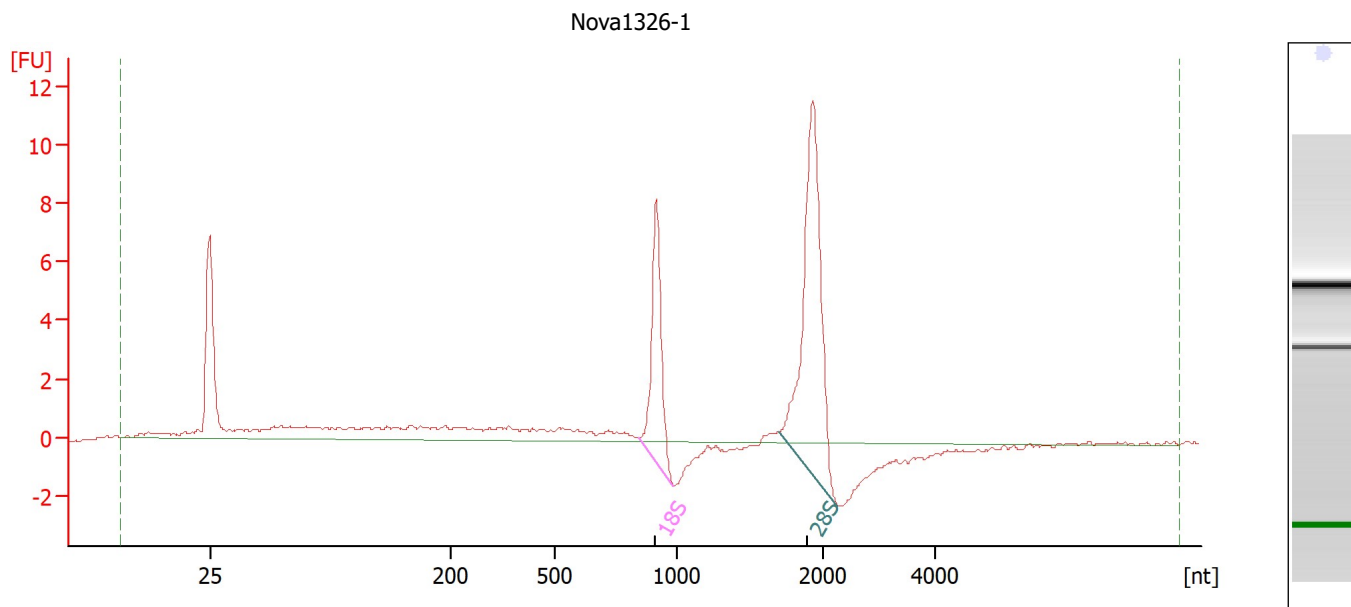
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : Nova1326-1**

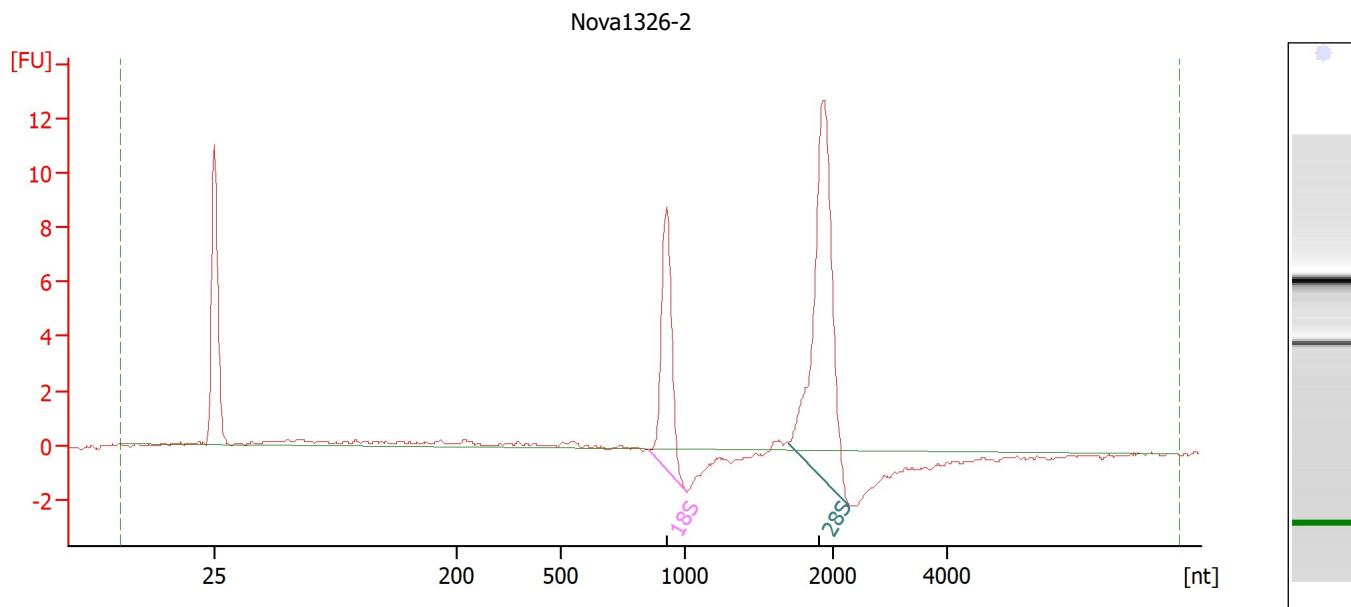
RNA Area:	51.6	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	328 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 8.10

Fragment table for sample 1 : Nova1326-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	847	988	10.5	20.4
28S	1,697	2,250	23.1	44.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : Nova1326-2**

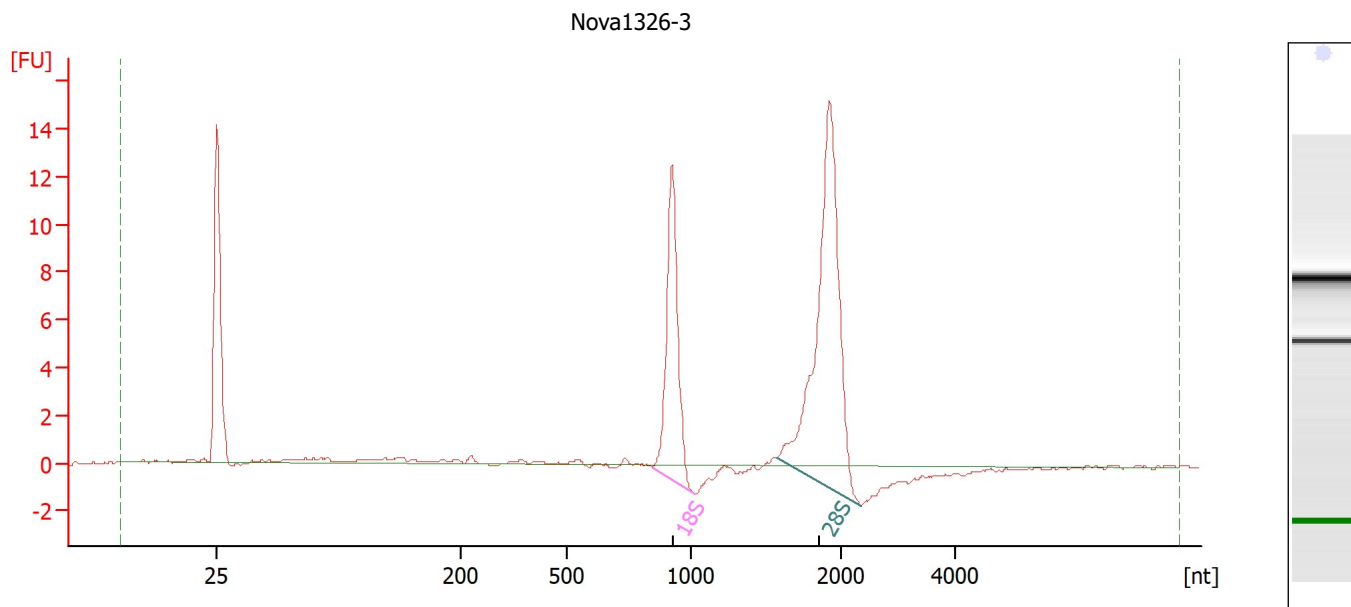
RNA Area:	41.9	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	266 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.10

Fragment table for sample 2 : Nova1326-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	854	1,011	12.0	28.6
28S	1,700	2,288	26.4	62.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : Nova1326-3**

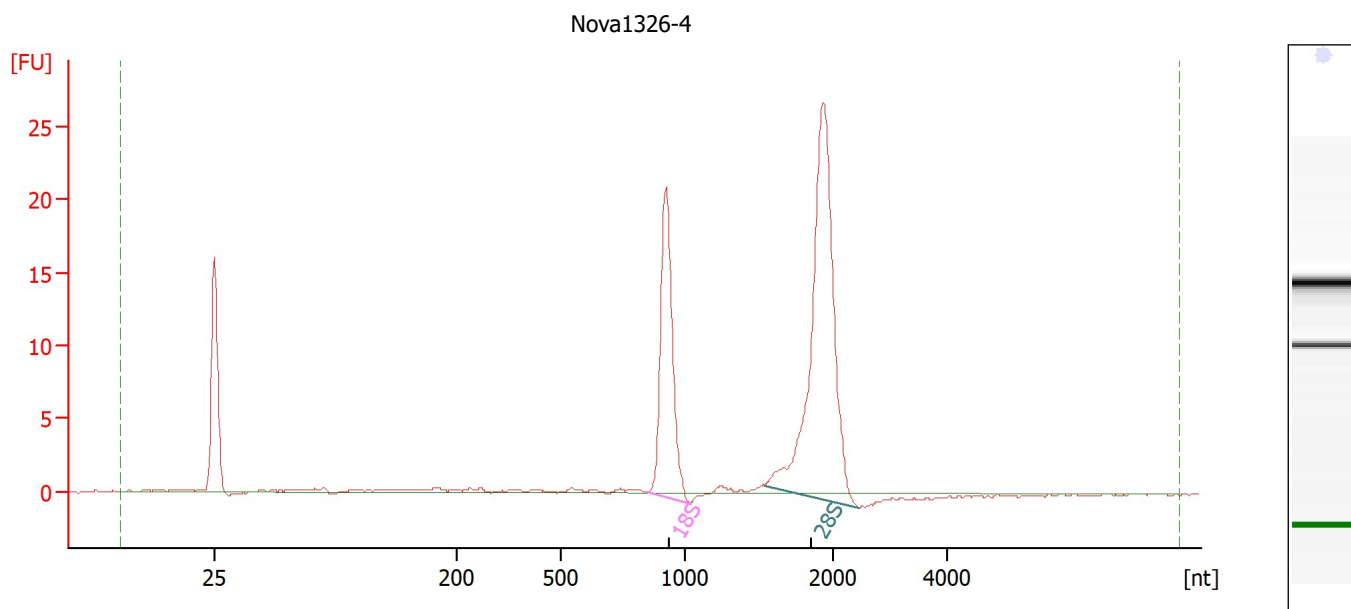
RNA Area:	56.0	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	356 ng/μl		
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Color:	
		Result Flagging Label:	RIN:10

Fragment table for sample 3 : Nova1326-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	843	1,034	17.8	31.7
28S	1,576	2,350	36.2	64.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Nova1326-4**

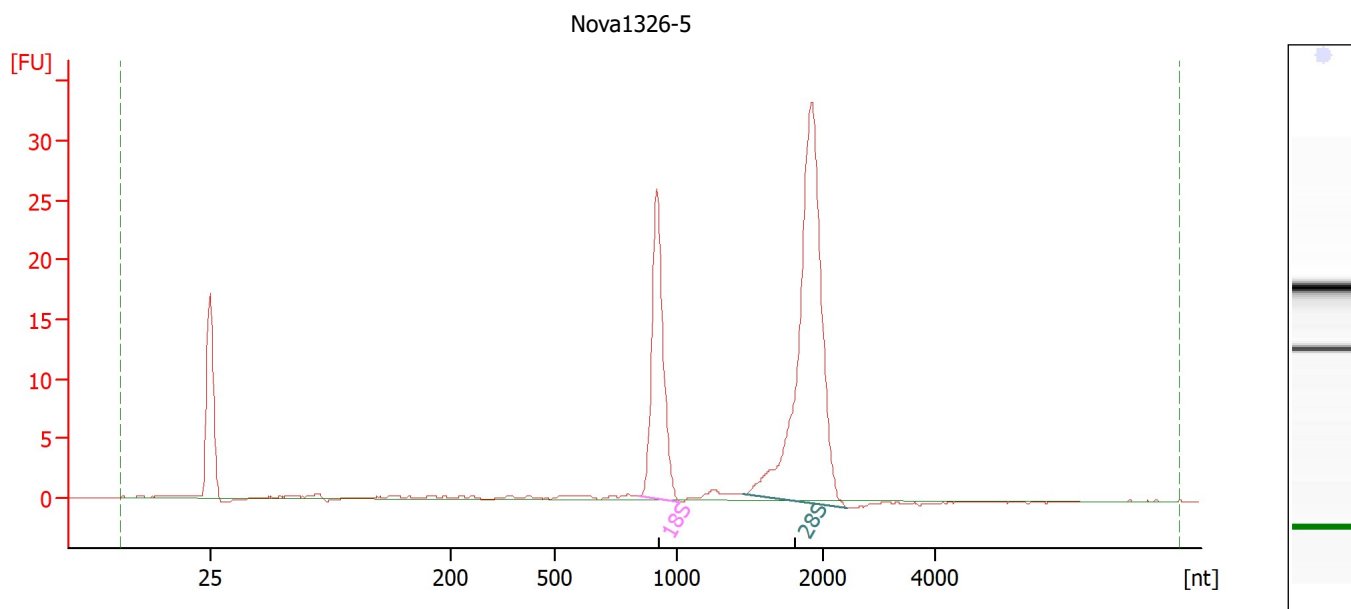
RNA Area:	99.9	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	634 ng/μl		
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Color:	
		Result Flagging Label:	RIN:10

Fragment table for sample 4 : Nova1326-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	846	1,040	29.8	29.8
28S	1,535	2,440	61.8	61.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : Nova1326-5**

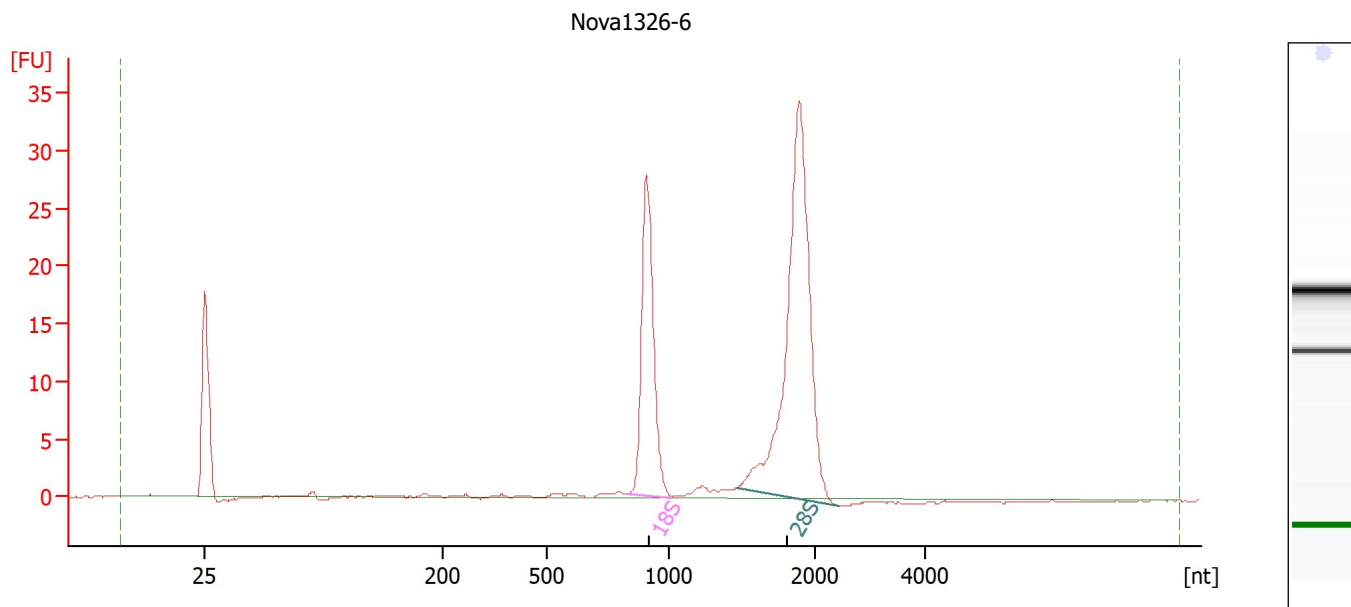
RNA Area:	126.4	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	803 ng/μl		
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Color:	
		Result Flagging Label:	RIN:10

Fragment table for sample 5 : Nova1326-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	843	1,023	36.0	28.5
28S	1,458	2,403	80.7	63.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Nova1326-6**

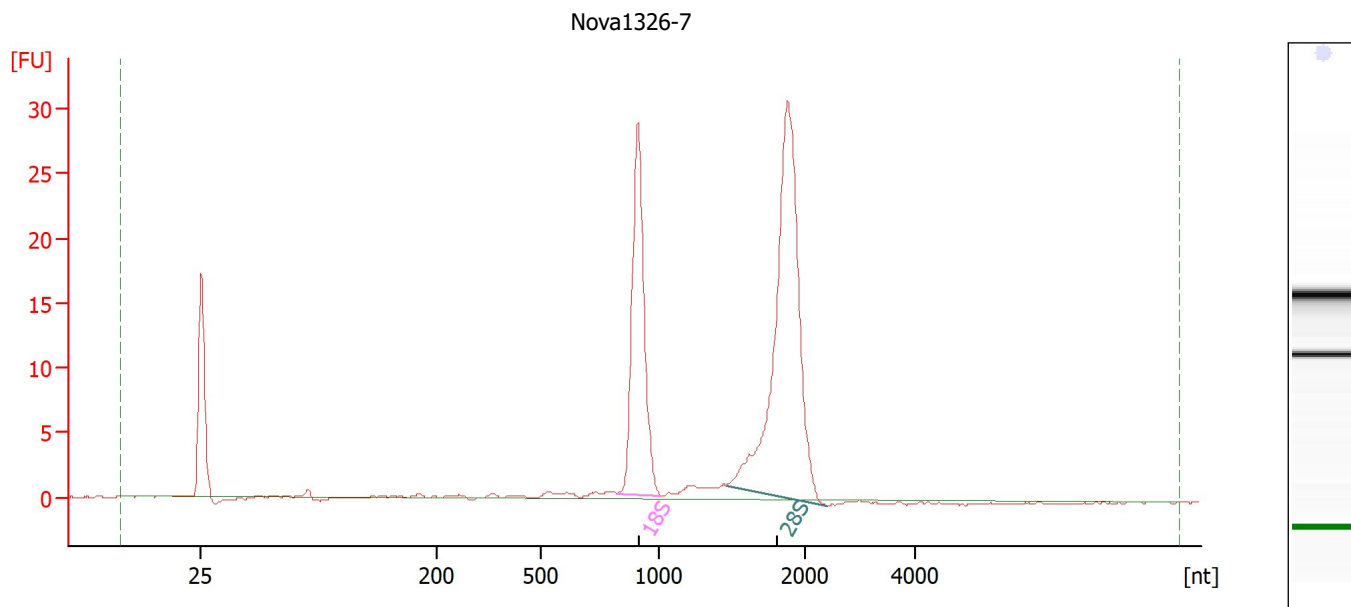
RNA Area:	136.8	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	868 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

Fragment table for sample 6 : Nova1326-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	831	1,021	39.9	29.1
28S	1,467	2,442	83.0	60.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Nova1326-7**

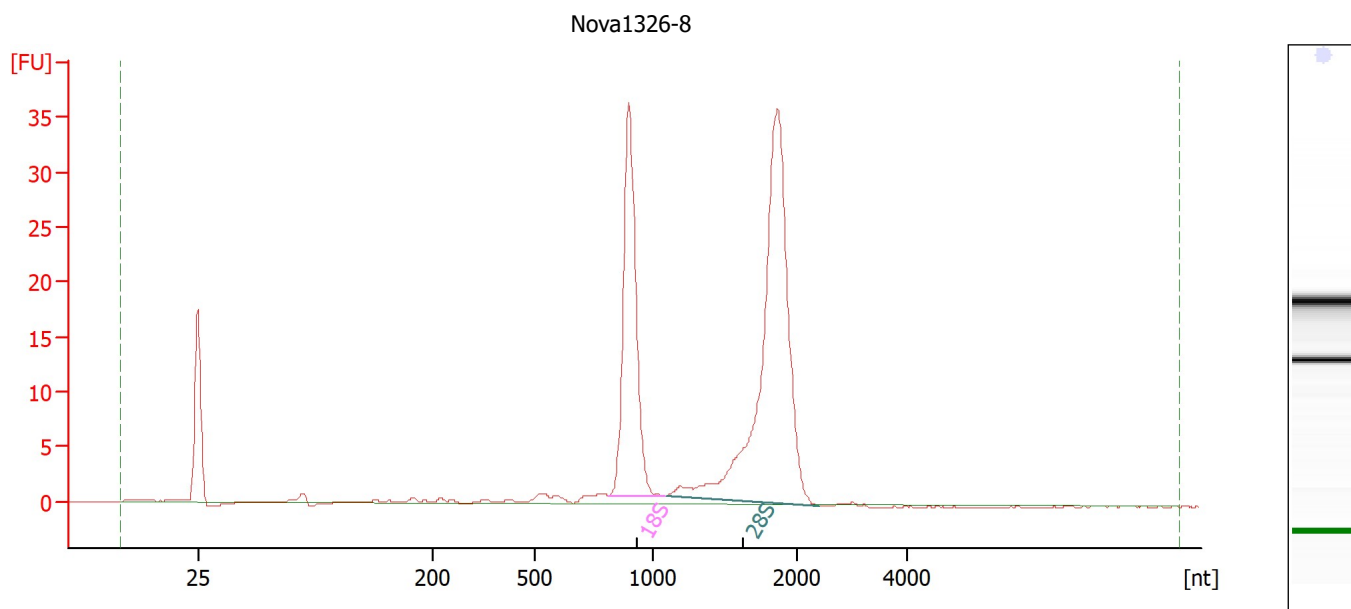
RNA Area:	138.3	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	878 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:10

Fragment table for sample 7 : Nova1326-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	820	1,005	42.3	30.6
28S	1,461	2,385	77.5	56.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Nova1326-8**

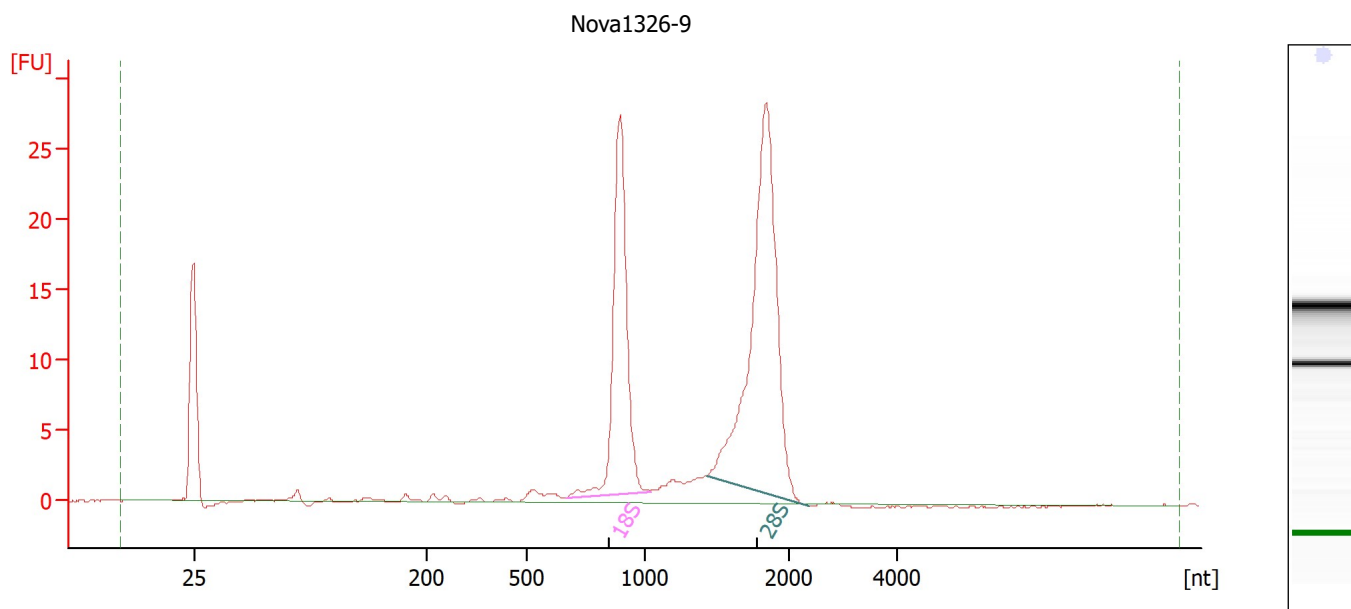
RNA Area:	177.3	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,126 ng/μl		
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Color:	
		Result Flagging Label:	RIN:10

Fragment table for sample 8 : Nova1326-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	808	1,077	55.4	31.2
28S	1,092	2,400	102.8	58.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : Nova1326-9**

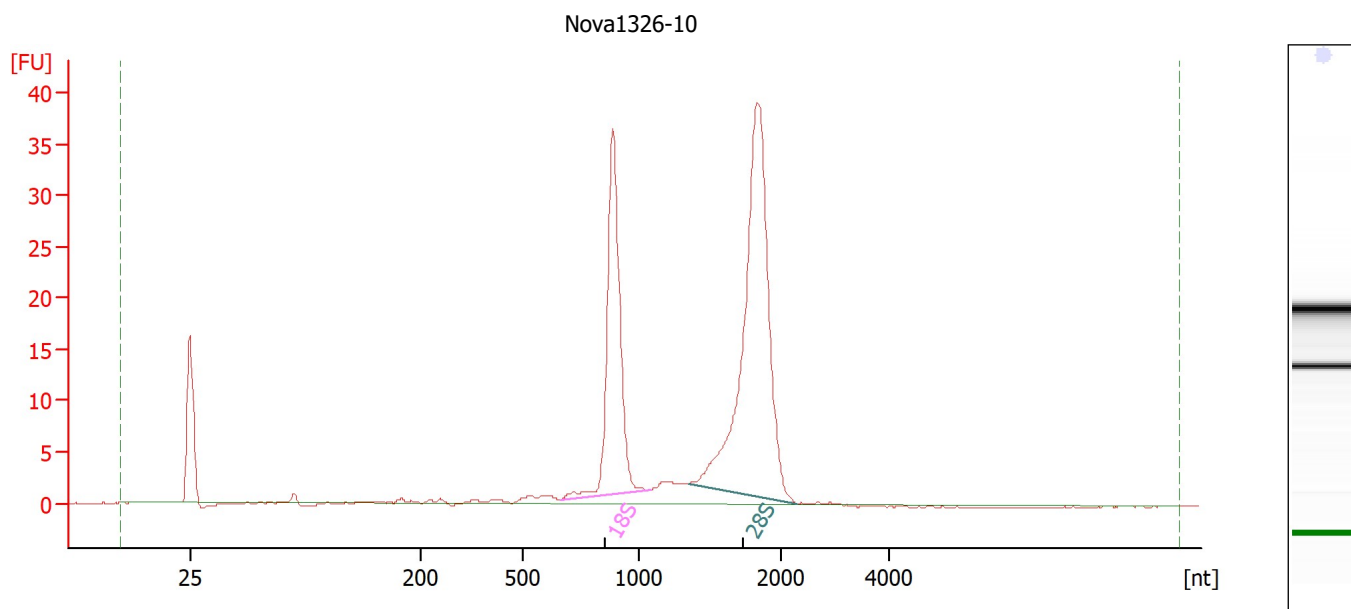
RNA Area:	152.2	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	967 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN:10

Fragment table for sample 9 : Nova1326-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	665	1,031	44.4	29.2
28S	1,427	2,361	75.8	49.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : Nova1326-10**

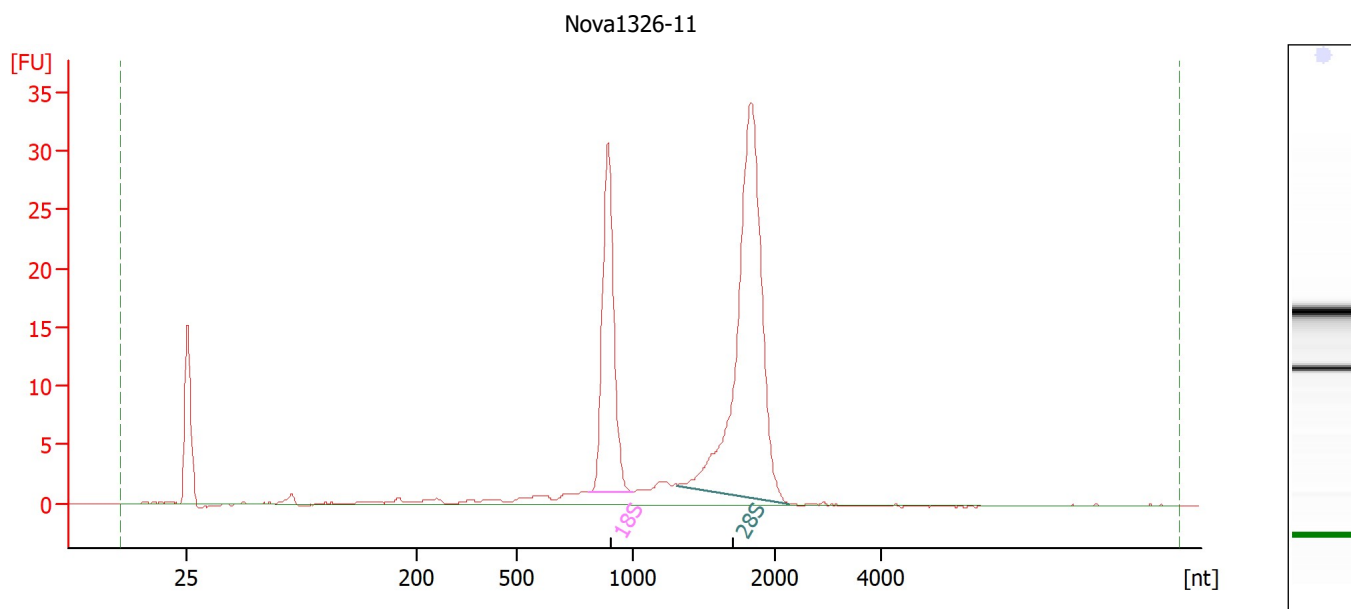
RNA Area:	199.3	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	1,265 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:10

Fragment table for sample 10 : Nova1326-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	662	1,074	57.7	28.9
28S	1,345	2,277	104.9	52.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : Nova1326-11**

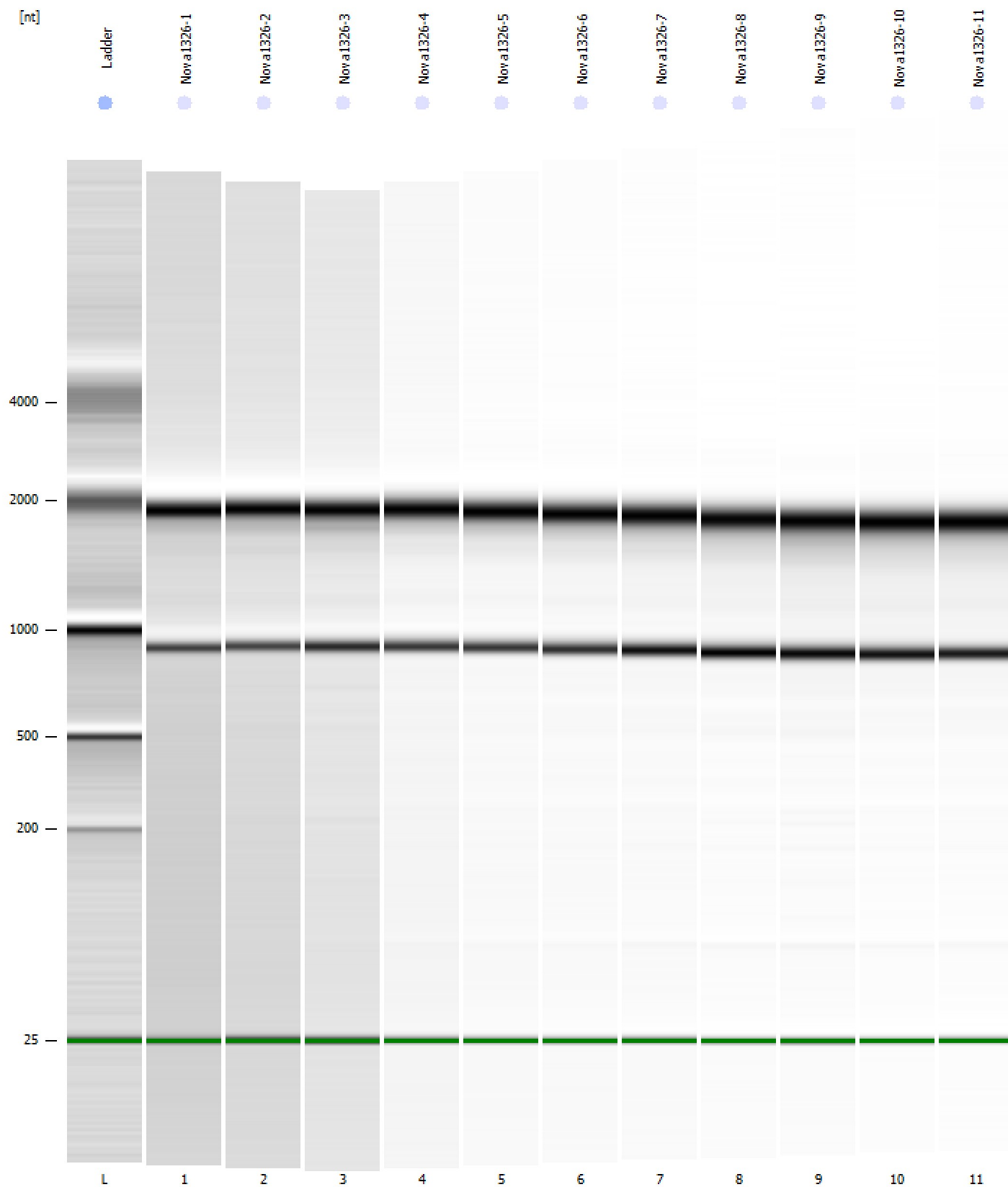
RNA Area:	168.7	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	1,071 ng/μl	Result Flagging Color:	
rRNA Ratio [28S / 18S]:	2.1	Result Flagging Label:	RIN:10

Fragment table for sample 11 : Nova1326-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	805	998	42.9	25.5
28S	1,315	2,292	90.8	53.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
Modified: 6/26/2025 4:17:41 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...alyzer\2100 expert\data\2025-05-28\Nova1326_1-11_RNA_QC.xad

Created: 5/28/2025 5:54:52 PM
 Modified: 6/26/2025 4:17:41 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		5/28/2025 6:17:55 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\2025-05-28\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_002.xad)		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/28/2025 5:54:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB