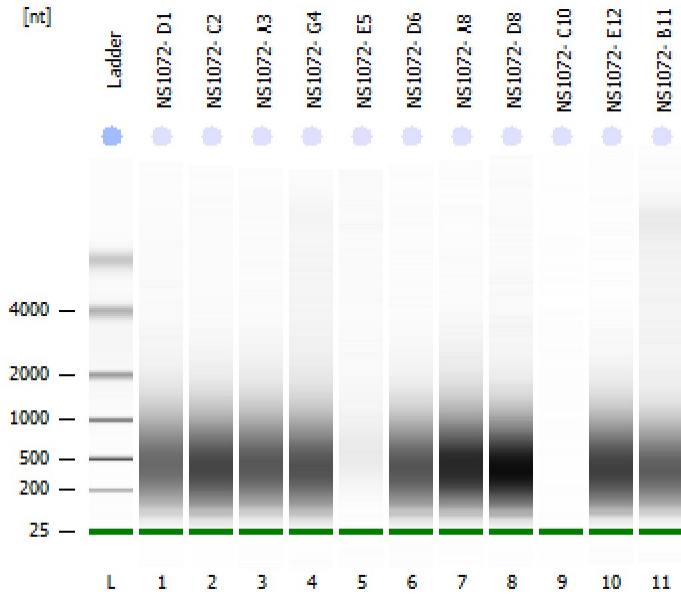


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 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

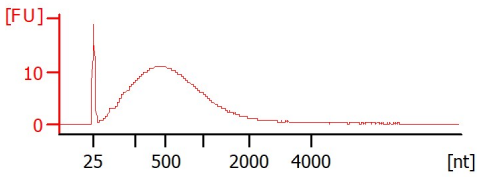
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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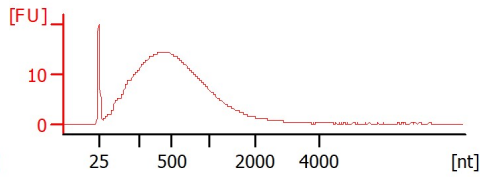
Chip Information:

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

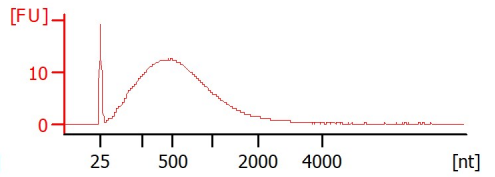
NS1072- D1
RIN: 2.20



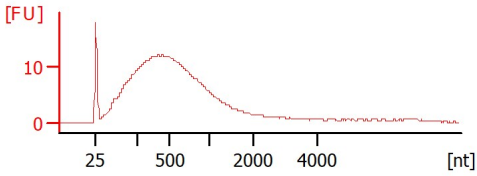
NS1072- C2
RIN: 2.10



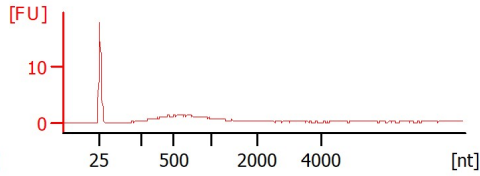
NS1072- A3
RIN: 2.10



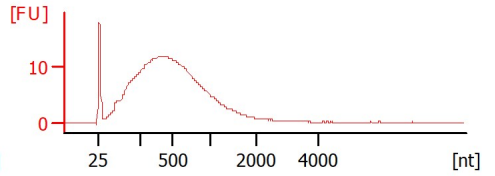
NS1072- G4
RIN: 2.10



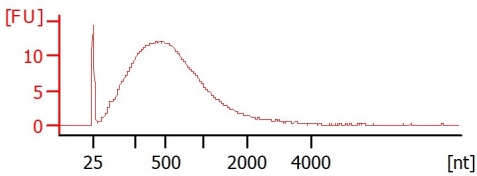
NS1072- E5
RIN: 1.10



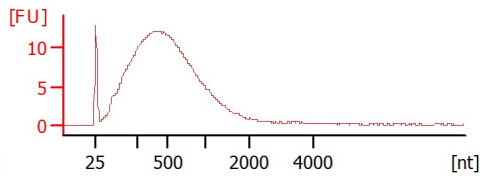
NS1072- D6
RIN: 2.10



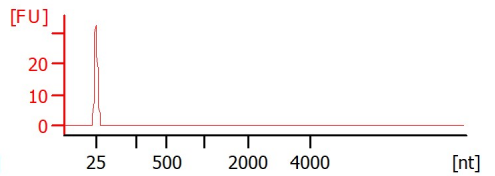
NS1072- A8
RIN: 2



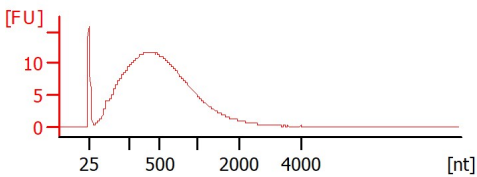
NS1072- D8
RIN: 2.10



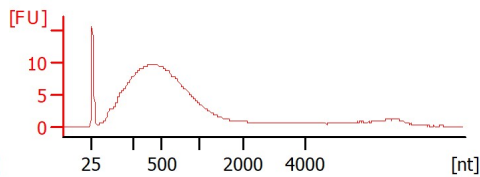
NS1072- C10
RIN: 1



NS1072- E12
RIN: 2



NS1072- B11
RIN: 2.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NS1072- D1		✓	RIN: 2.20	
NS1072- C2		✓	RIN: 2.10	
NS1072- A3		✓	RIN: 2.10	
NS1072- G4		✓	RIN: 2.10	
NS1072- E5		✓	RIN: 1.10	
NS1072- D6		✓	RIN: 2.10	
NS1072- A8		✓	RIN:2	
NS1072- D8		✓	RIN: 2.10	
NS1072- C10		✓	RIN:1	
NS1072- E12		✓	RIN:2	
NS1072- B11		✓	RIN: 2.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

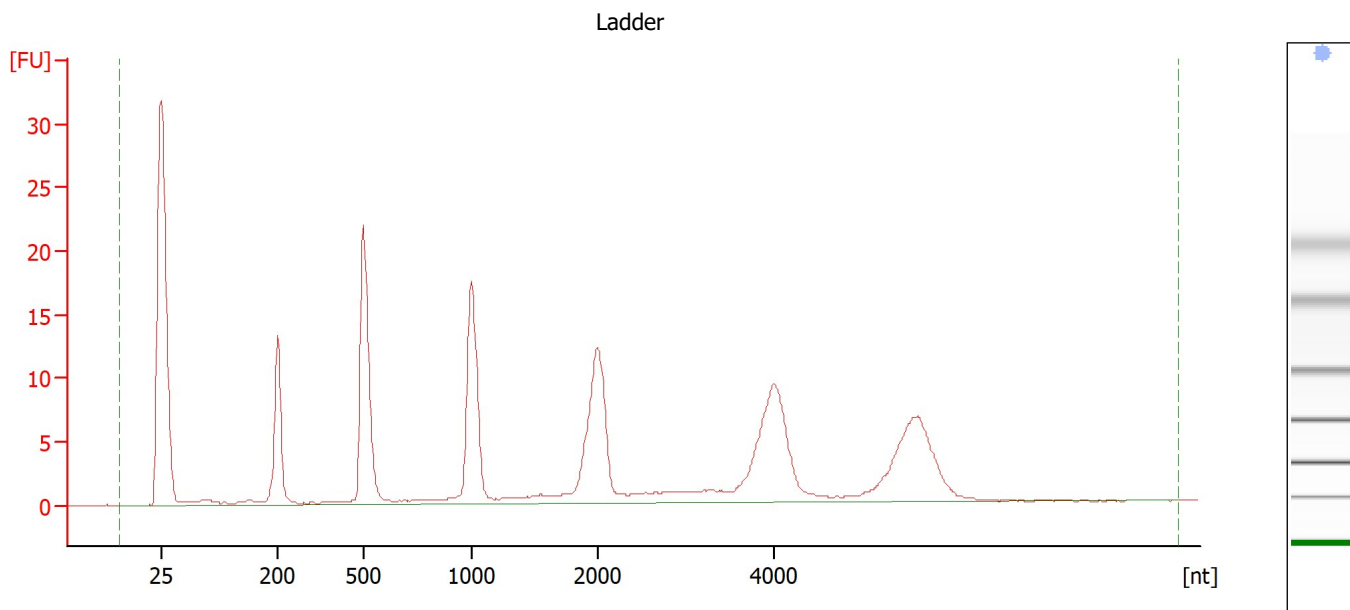
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary



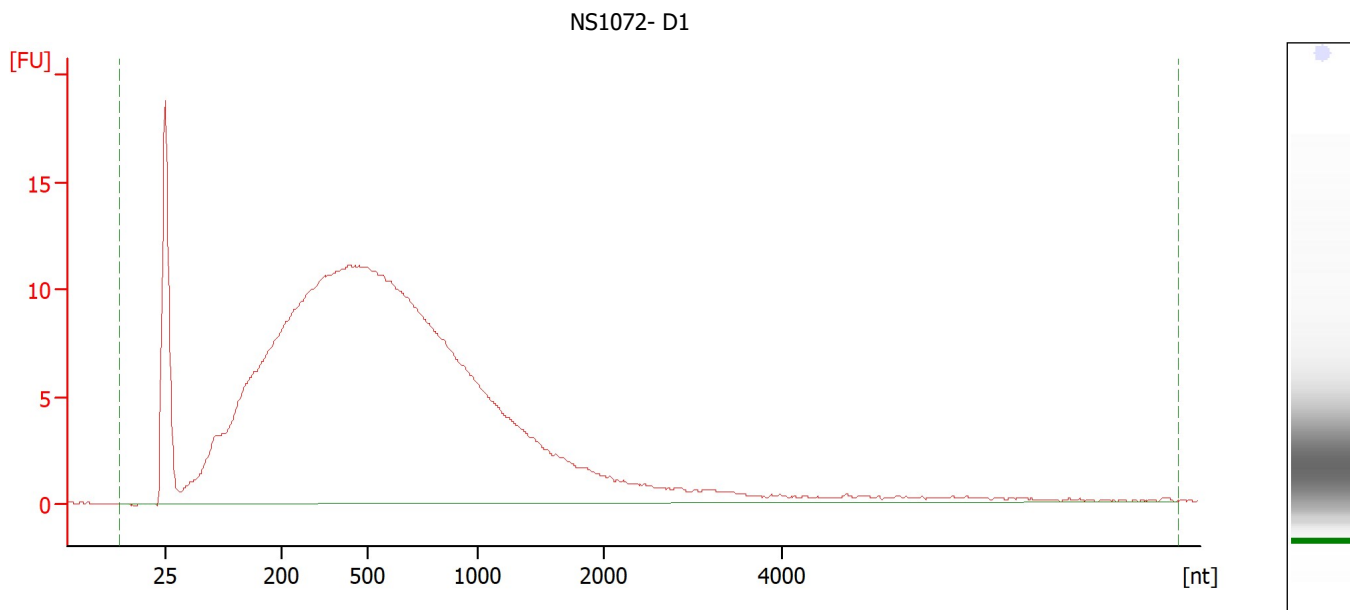
Overall Results for Ladder

RNA Area:	187.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



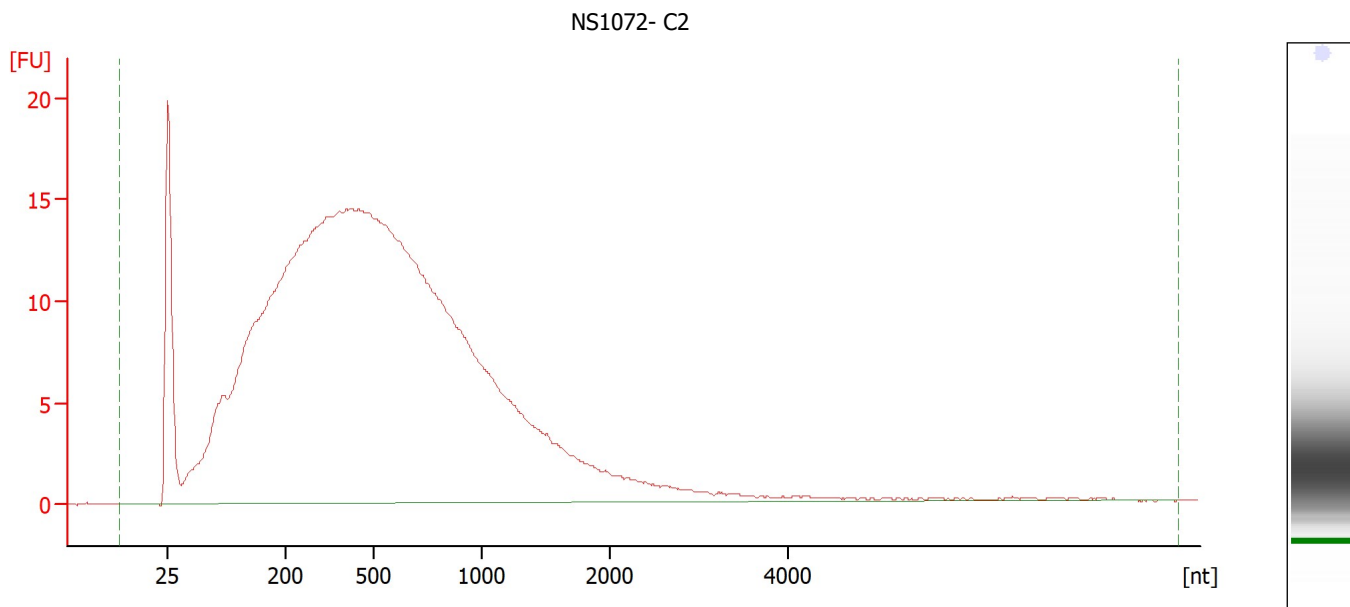
Overall Results for sample 1 : NS1072- D1

RNA Area:	413.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	2,199 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



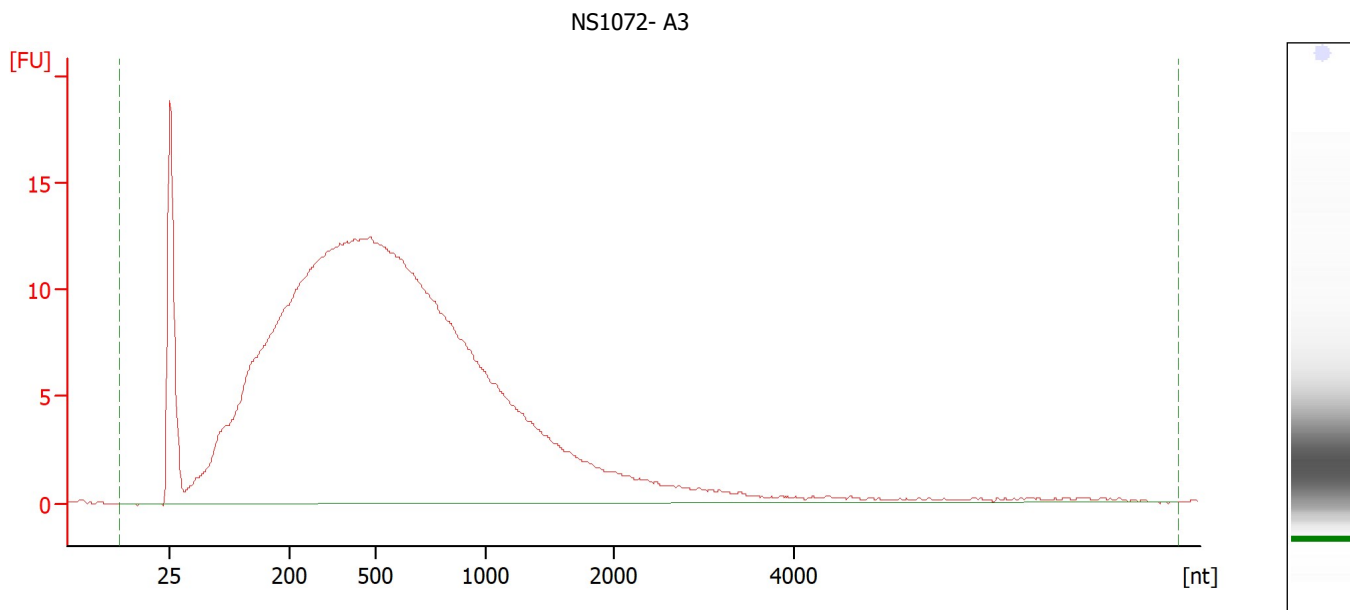
Overall Results for sample 2 : NS1072- C2

RNA Area:	541.8	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,884 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



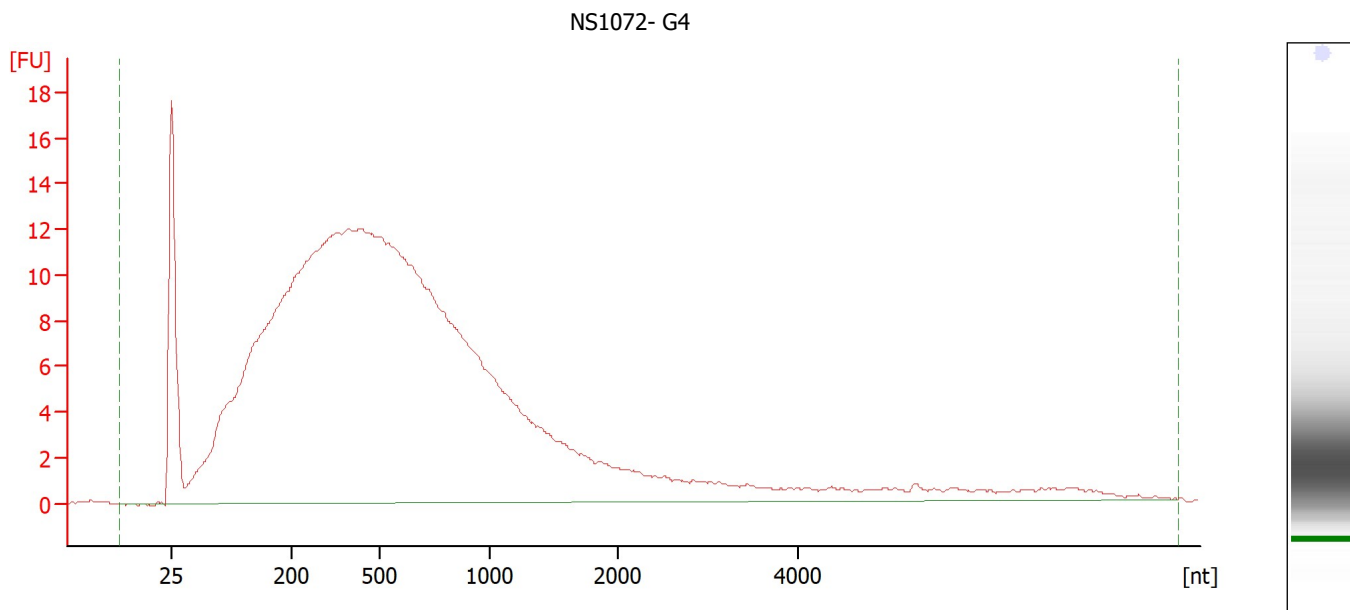
Overall Results for sample 3 : NS1072- A3

RNA Area:	459.5	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,445 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NS1072- G4

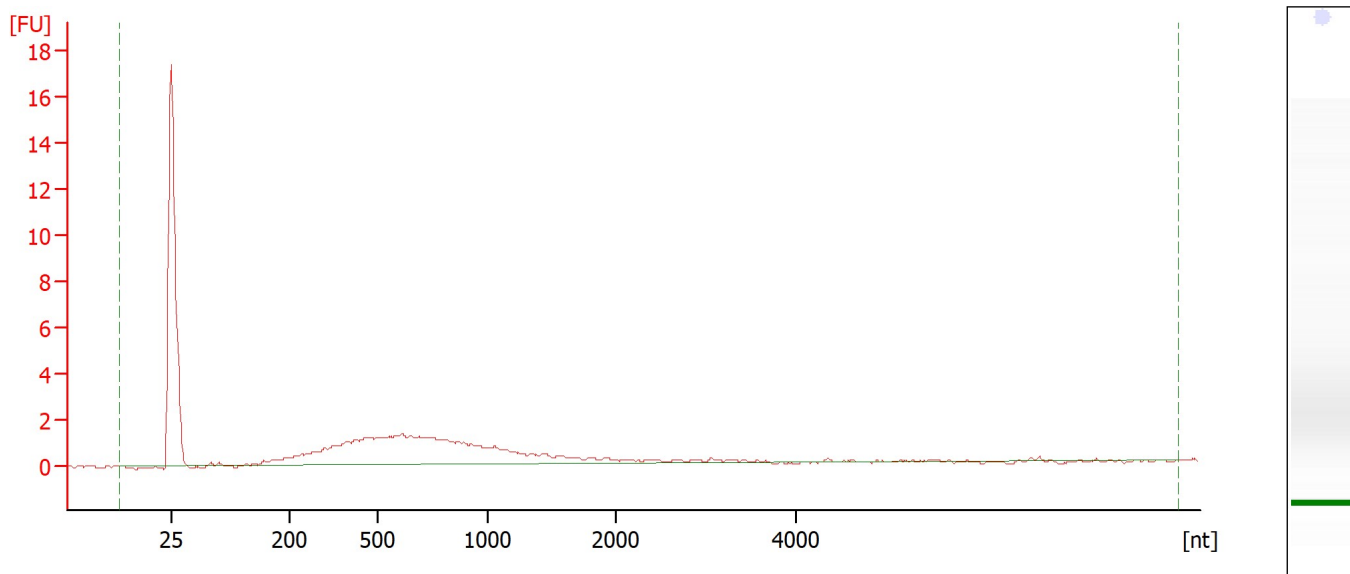
RNA Area:	469.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,500 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...

NS1072- E5



Overall Results for sample 5 : NS1072- E5

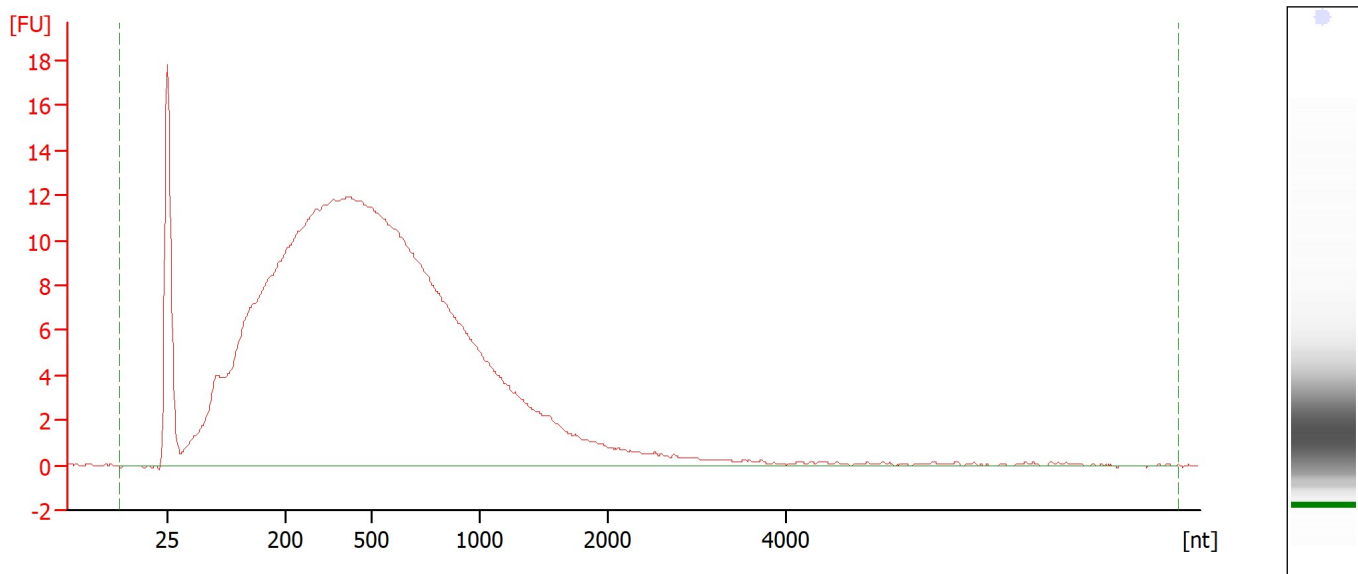
RNA Area:	35.2	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	187 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...

NS1072- D6



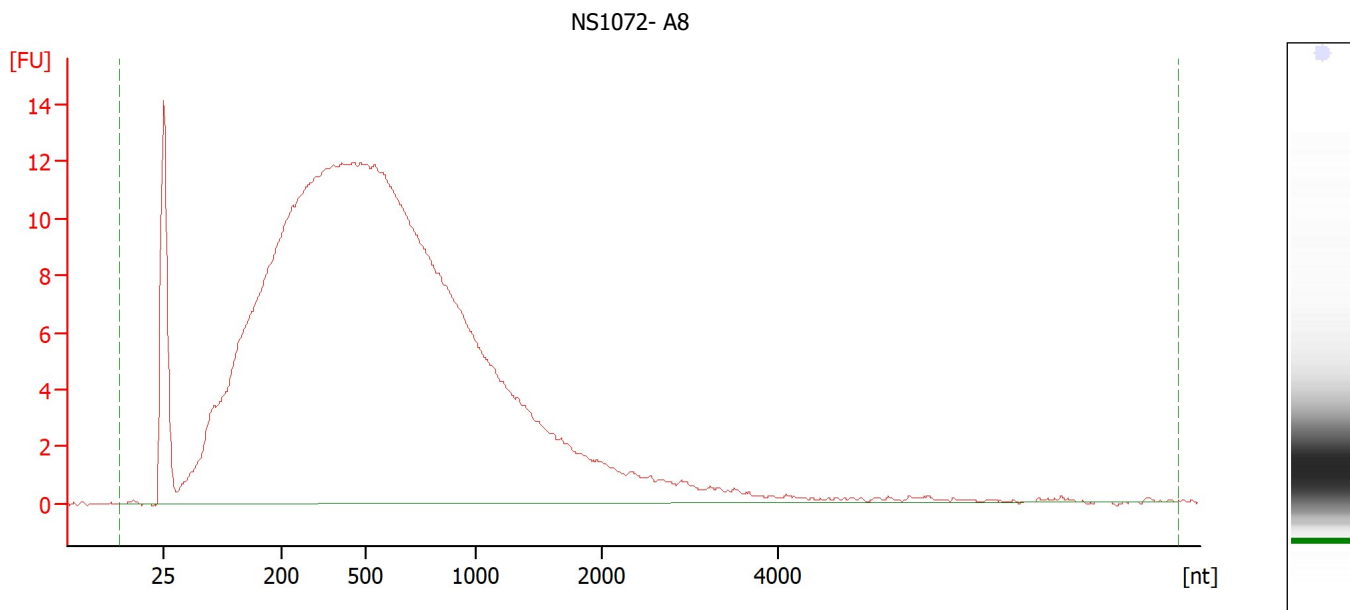
Overall Results for sample 6 : NS1072- D6

RNA Area:	425.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,266 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



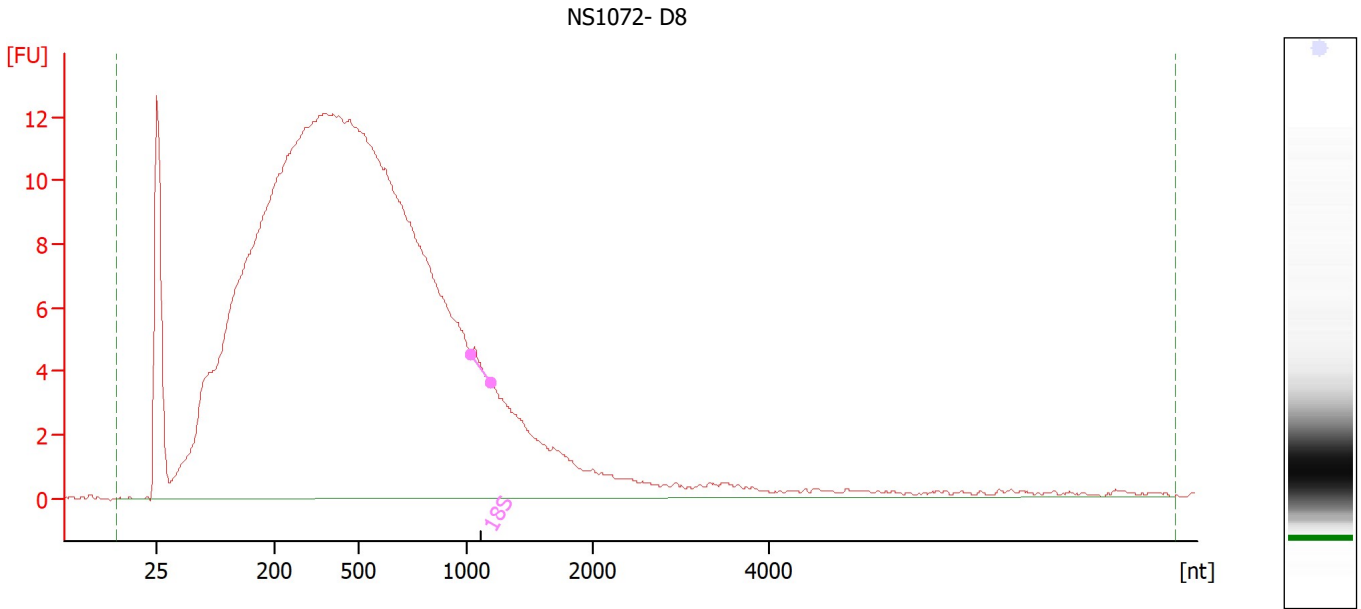
Overall Results for sample 7 : NS1072- A8

RNA Area:	443.8	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	2,362 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NS1072- D8

RNA Area:	431.5	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,297 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

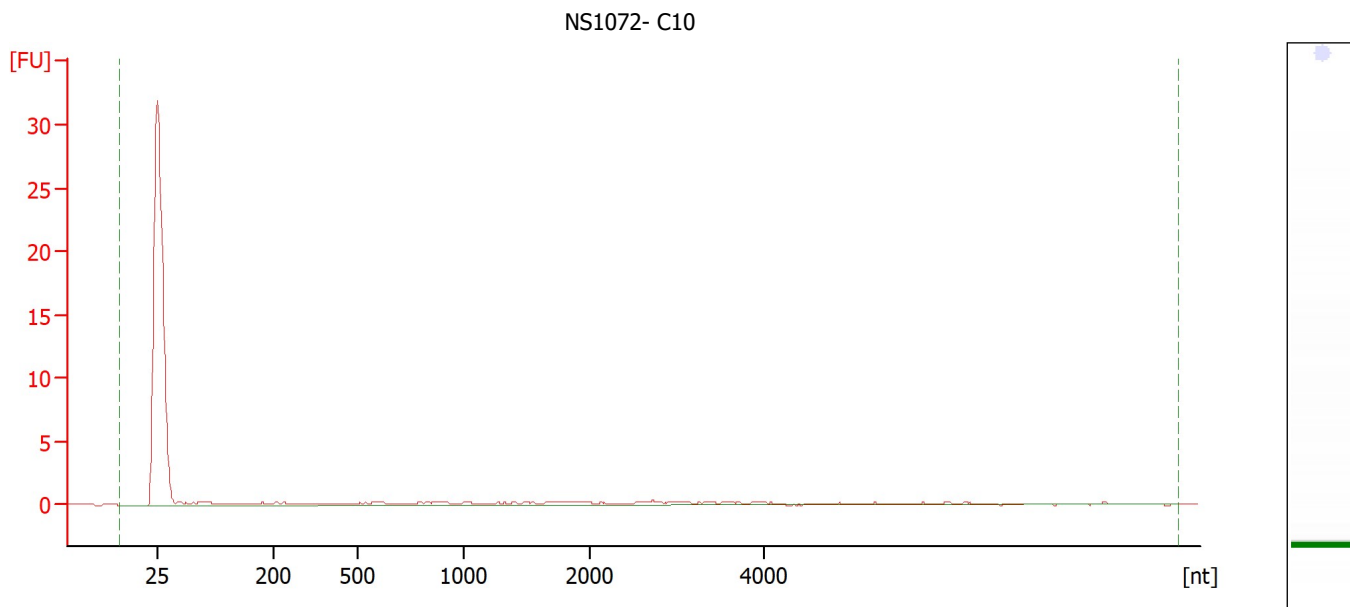
Fragment table for sample 8 : NS1072- D8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,039	1,184	0.3	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
 Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



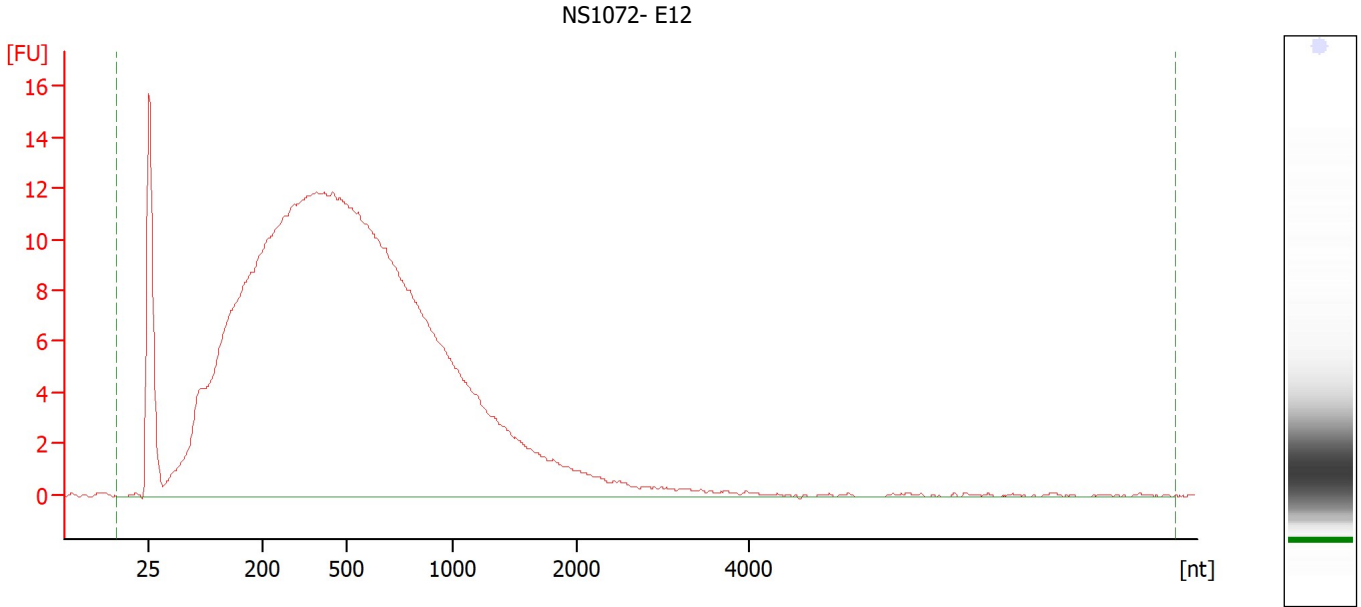
Overall Results for sample 9 : NS1072- C10

RNA Area:	13.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	74 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



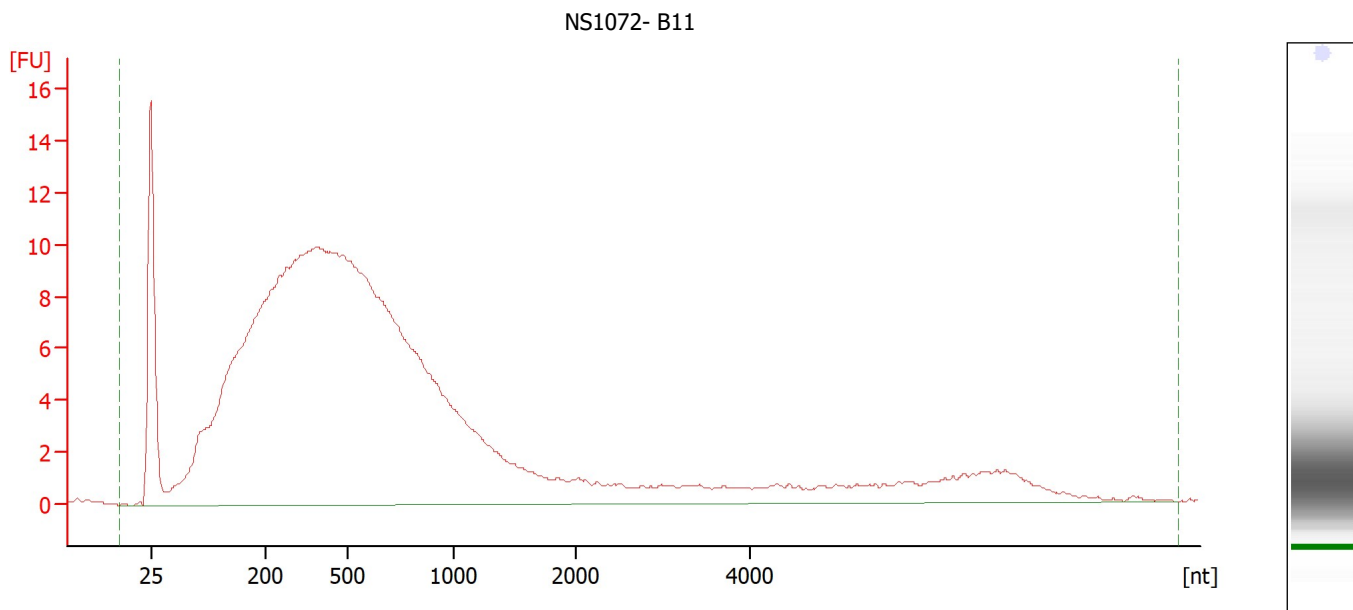
Overall Results for sample 10 : NS1072- E12

RNA Area:	430.7	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	2,292 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 PM

Electropherogram Summary Continued ...



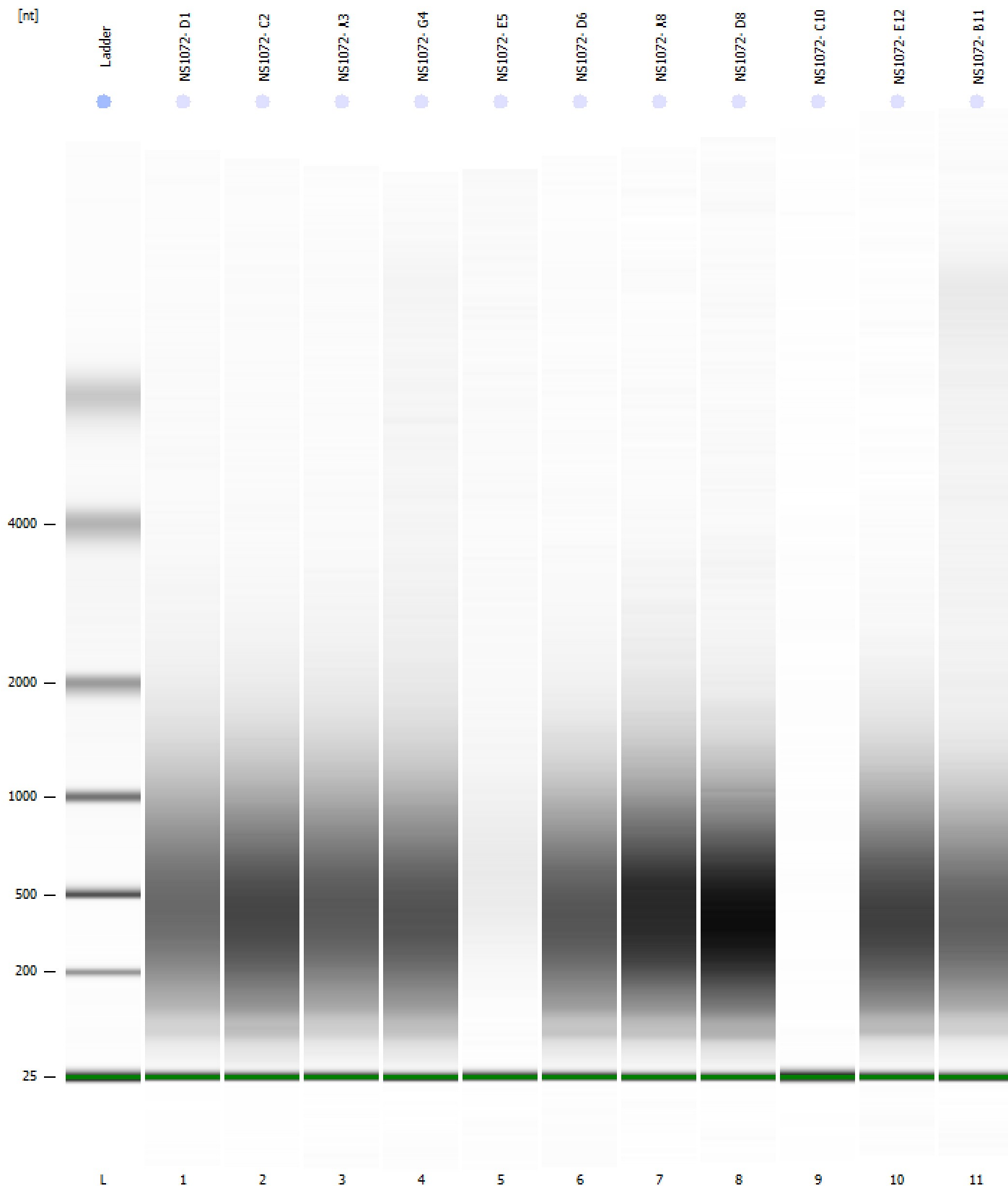
Overall Results for sample 11 : NS1072- B11

RNA Area:	365.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,948 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad

Created: 4/23/2024 2:57:59 PM
Modified: 4/23/2024 3:30:16 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico Created: 4/23/2024 2:57:59 PM
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad Modified: 4/23/2024 3:30:16 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		4/23/2024 3:20:56 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\2024-04-23\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-04-23_001.xad)		Instrument	Run		4/23/2024 2:58:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/23/2024 2:58:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/23/2024 2:58:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/23/2024 2:58:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/23/2024 2:58:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/23/2024 2:58:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/23/2024 2:58:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB