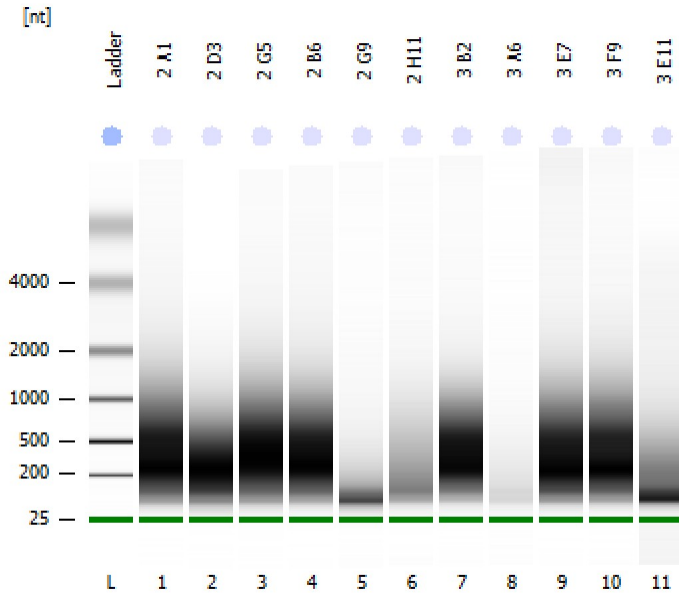


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electrophoresis File Run Summary



Instrument Information:

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

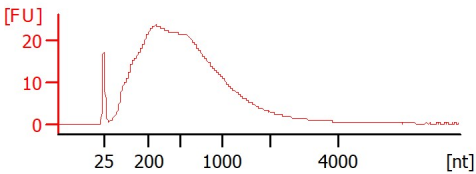
Assay Information:

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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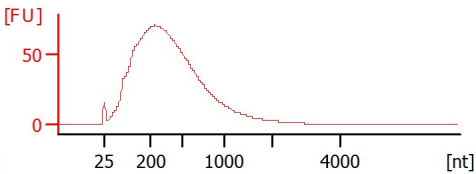
Chip Information:

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

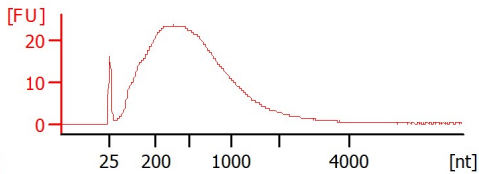
2 A1
RIN: 1.90



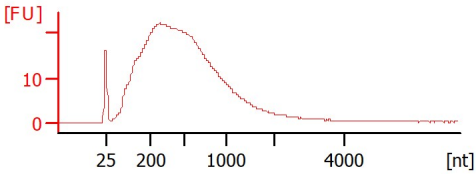
2 D3
RIN: 1.80



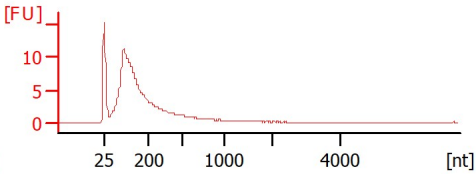
2 G5
RIN: 1.90



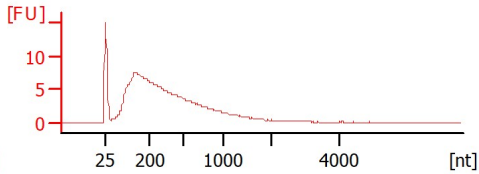
2 B6
RIN: 1.90



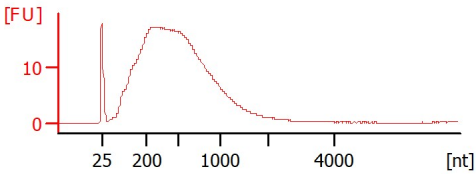
2 G9
RIN: 2.50



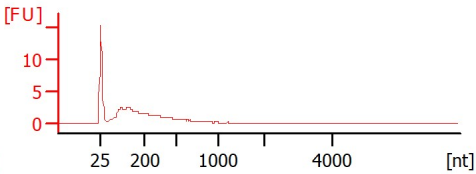
2 H11
RIN: 2.30



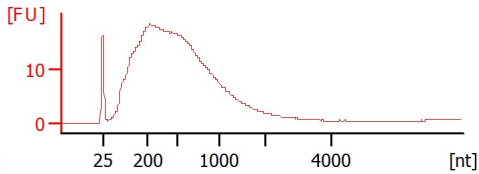
3 B2
RIN: 2



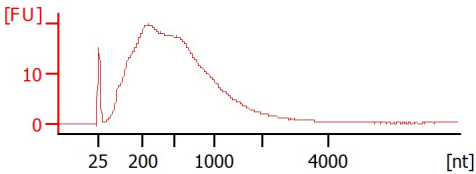
3 A6
RIN: 1.60



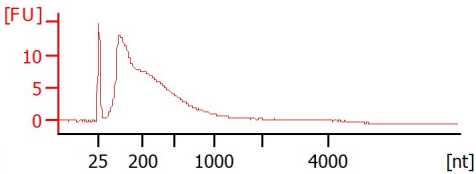
3 E7
RIN: 2



3 F9
RIN: 1.90



3 E11
RIN: 2.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
 Modified: 5/23/2023 2:41:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
2 A1		✓	RIN: 1.90	
2 D3		✓	RIN: 1.80	
2 G5		✓	RIN: 1.90	
2 B6		✓	RIN: 1.90	
2 G9		✓	RIN: 2.50	
2 H11		✓	RIN: 2.30	
3 B2		✓	RIN:2	
3 A6		✓	RIN: 1.60	
3 E7		✓	RIN:2	
3 F9		✓	RIN: 1.90	
3 E11		✓	RIN: 2.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
 Modified: 5/23/2023 2:41:12 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

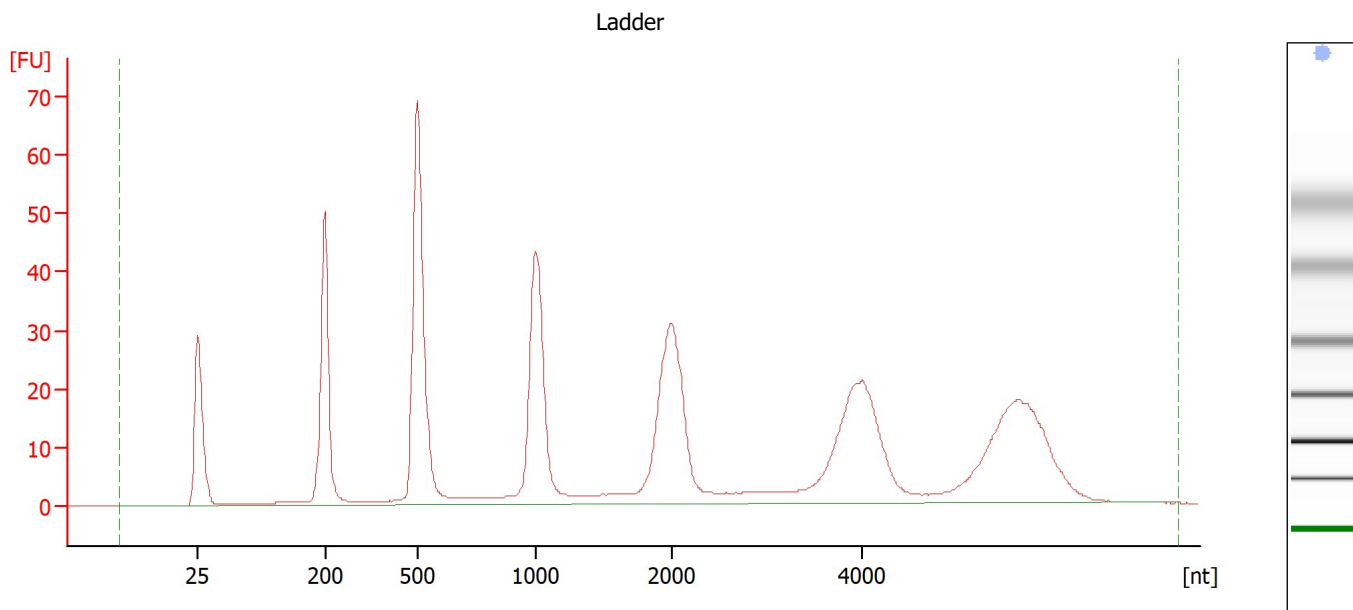
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary



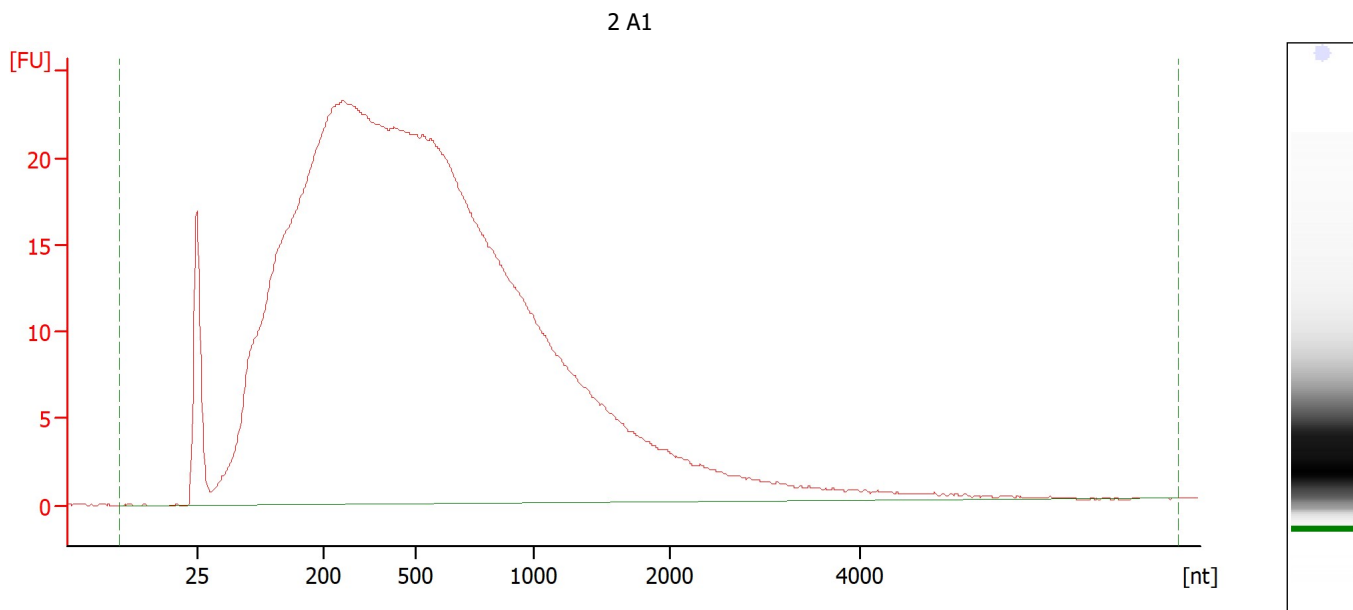
Overall Results for Ladder

RNA Area:	625.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



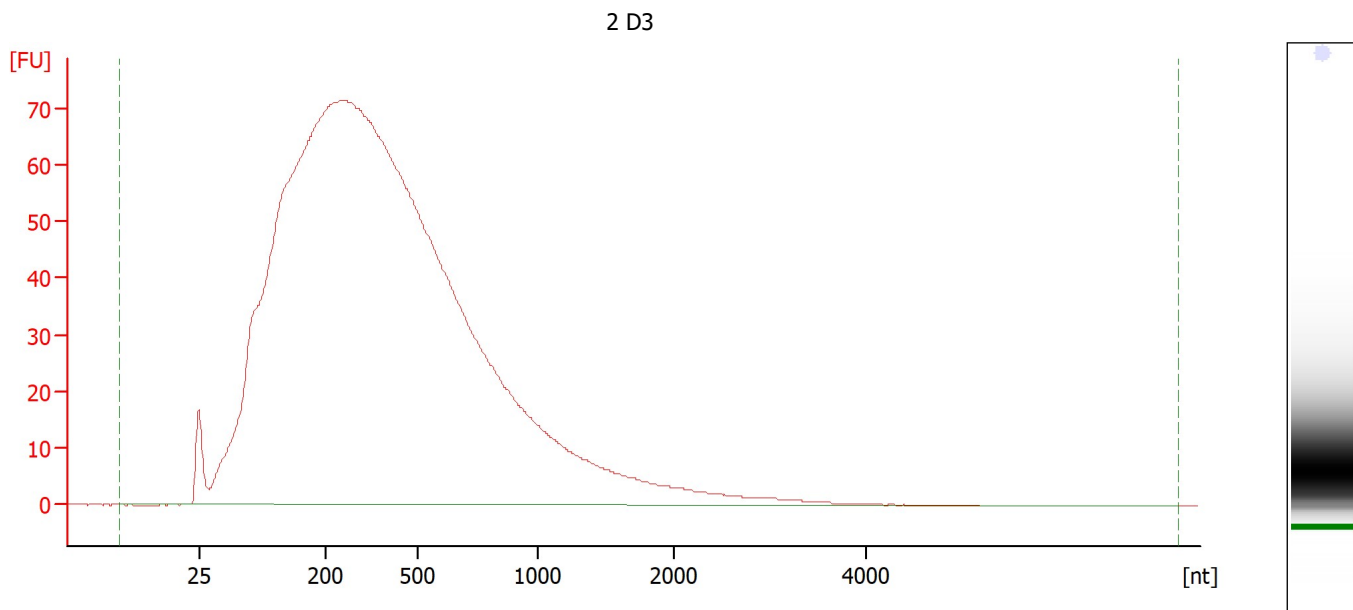
Overall Results for sample 1 : 2 A1

RNA Area:	897.4	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,434 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
 Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



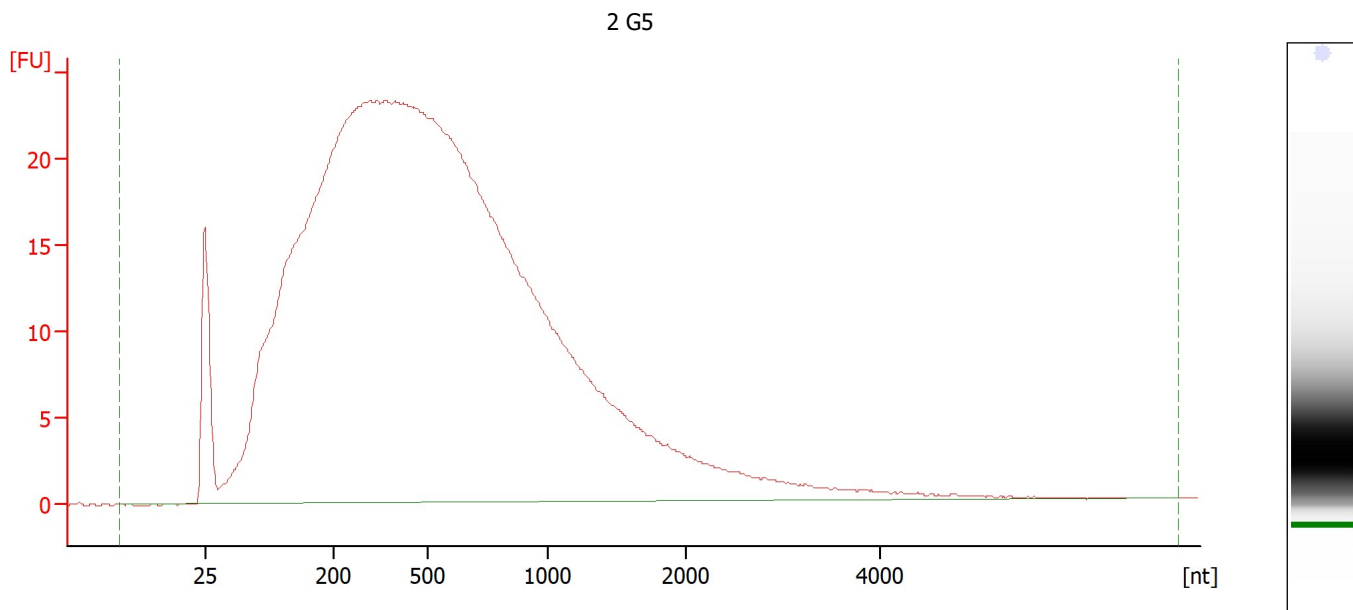
Overall Results for sample 2 : 2 D3

RNA Area:	2,289.3	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	3,658 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



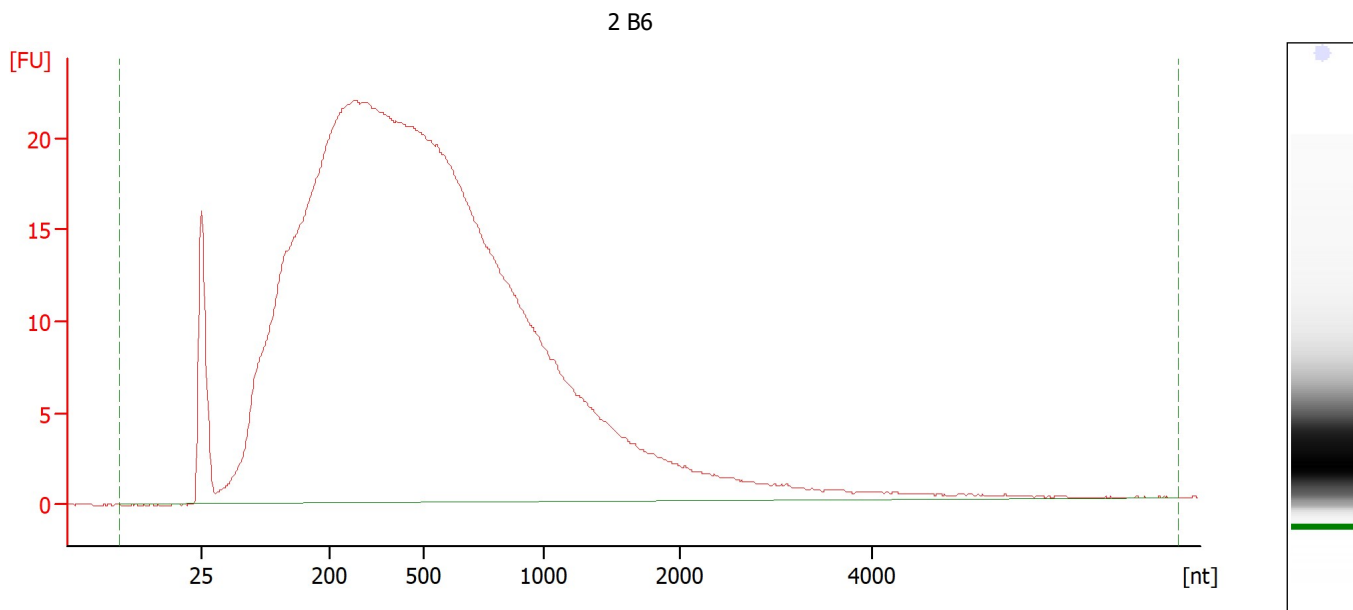
Overall Results for sample 3 : 2 G5

RNA Area:	900.1	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,438 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
 Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



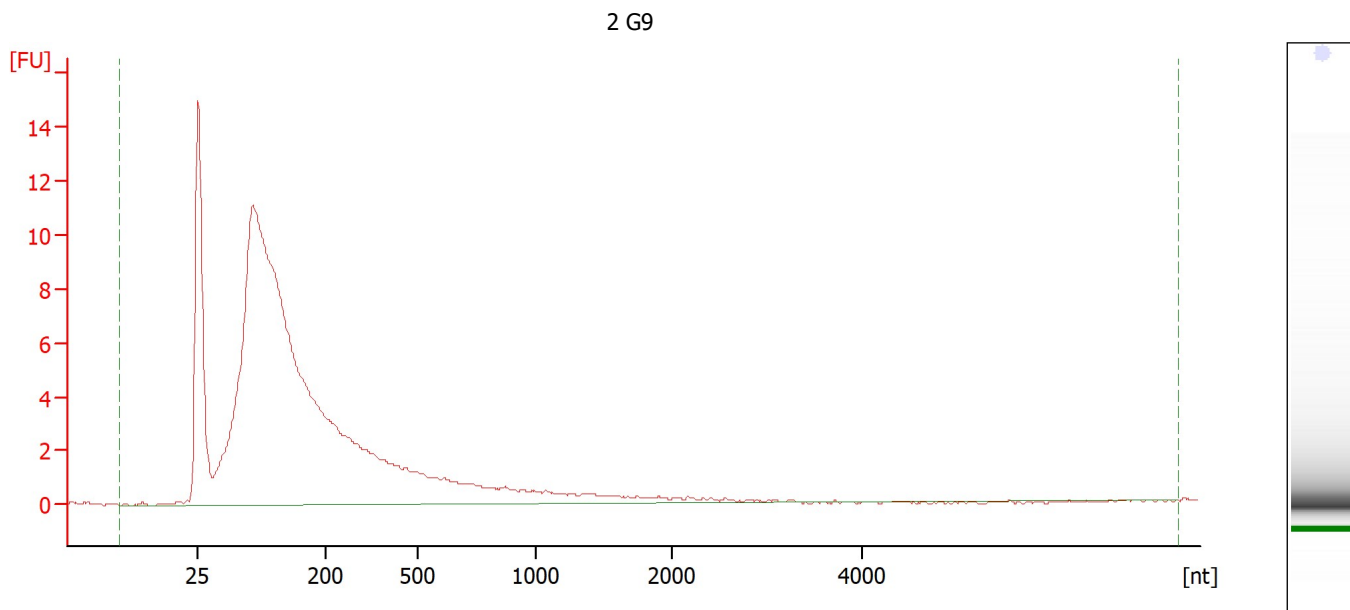
Overall Results for sample 4 : 2 B6

RNA Area:	798.0	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,275 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



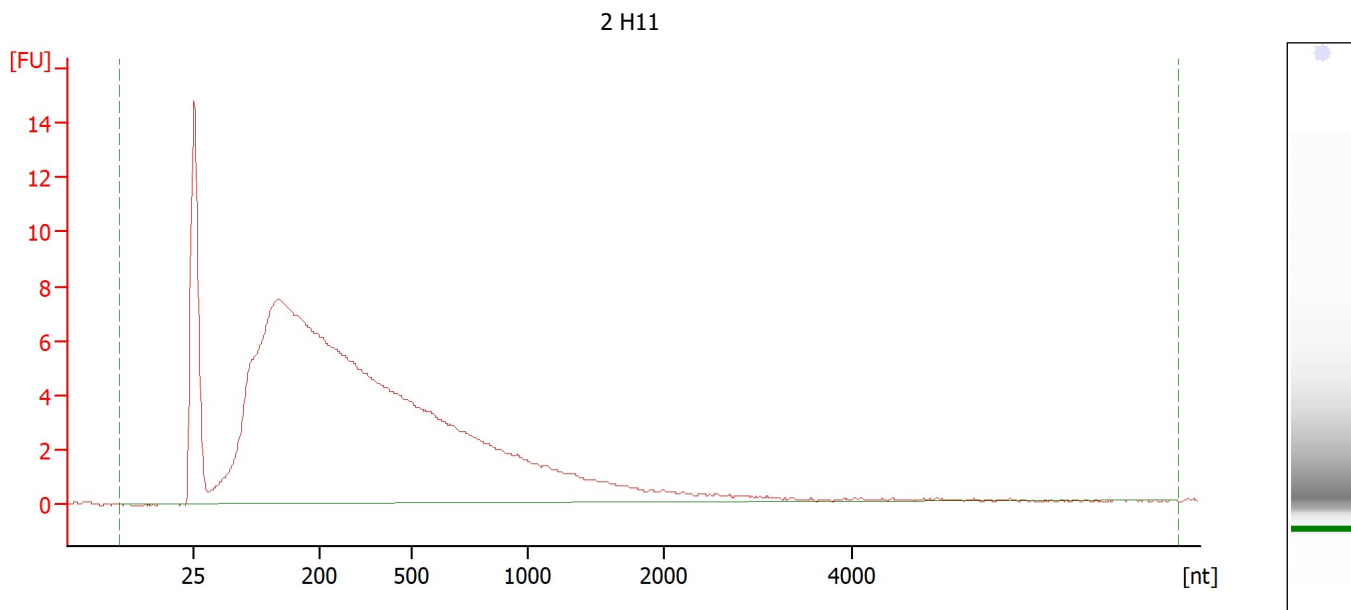
Overall Results for sample 5 : 2 G9

RNA Area:	158.3	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	253 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 2 H11

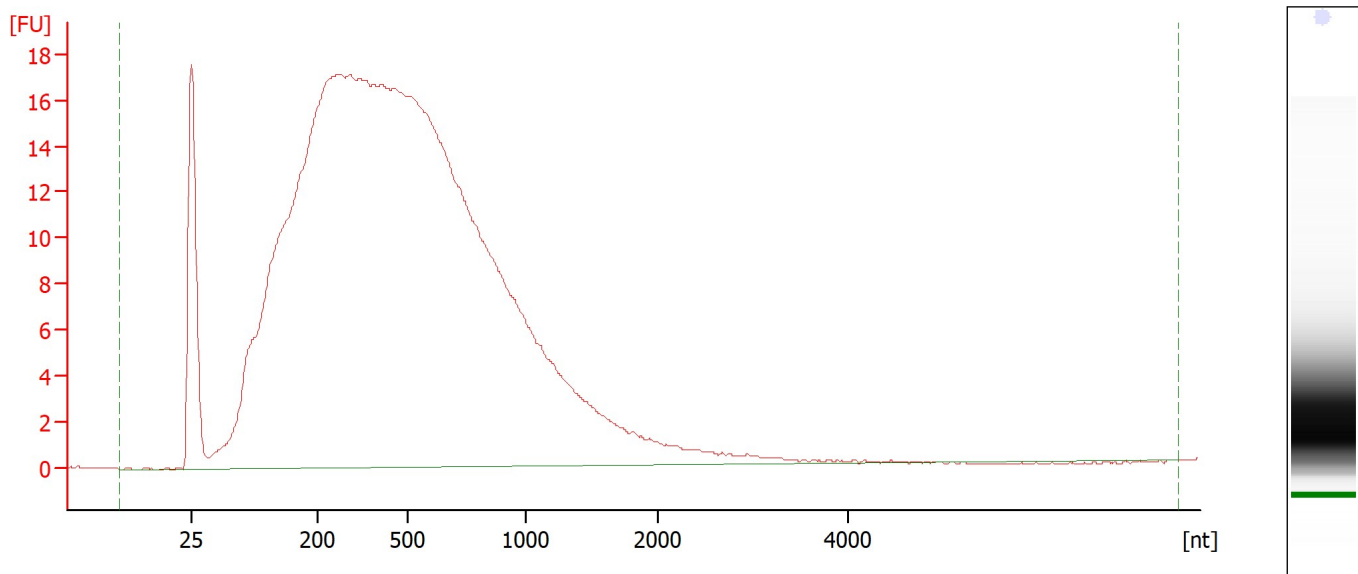
RNA Area:	216.5	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	346 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...

3 B2



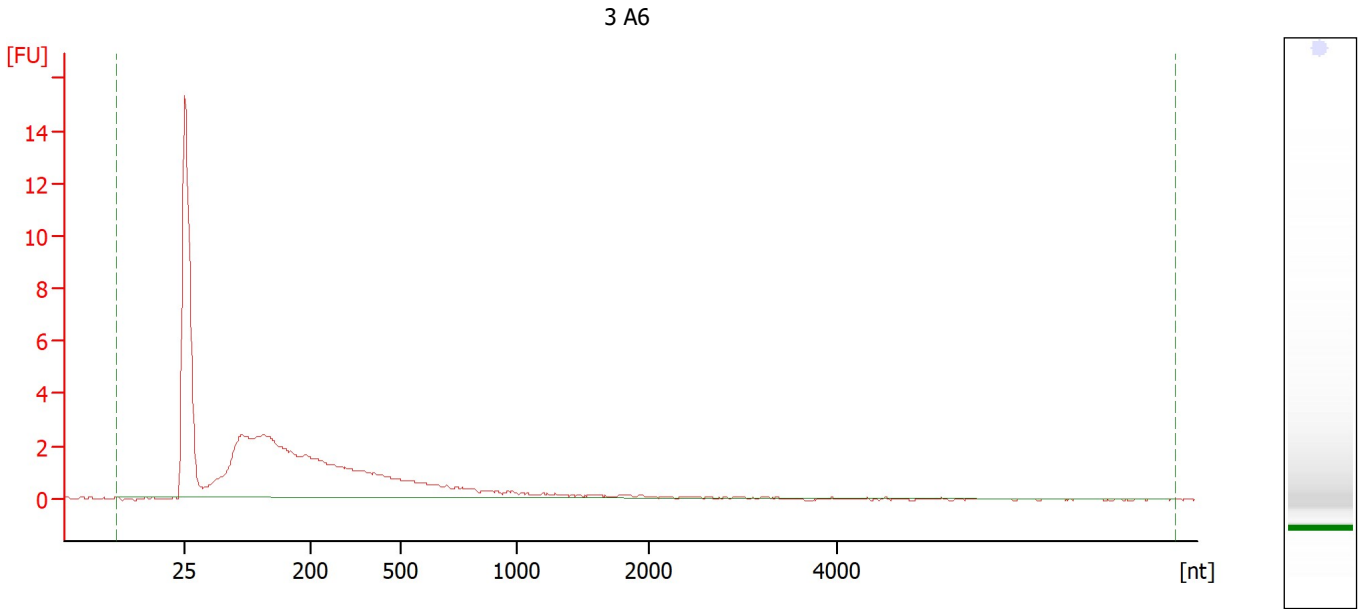
Overall Results for sample 7 : 3 B2

RNA Area:	591.7	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	945 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



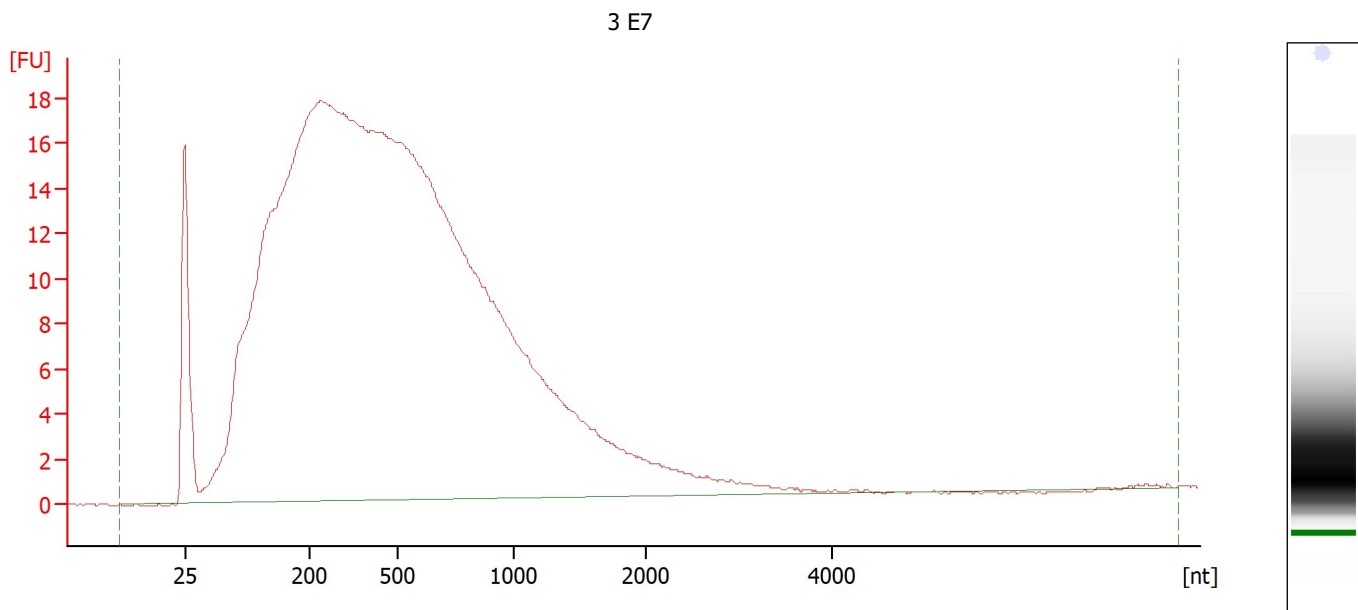
Overall Results for sample 8 : 3 A6

RNA Area:	54.1	RNA Integrity Number (RIN):	1.6 (B.02.10)
RNA Concentration:	86 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



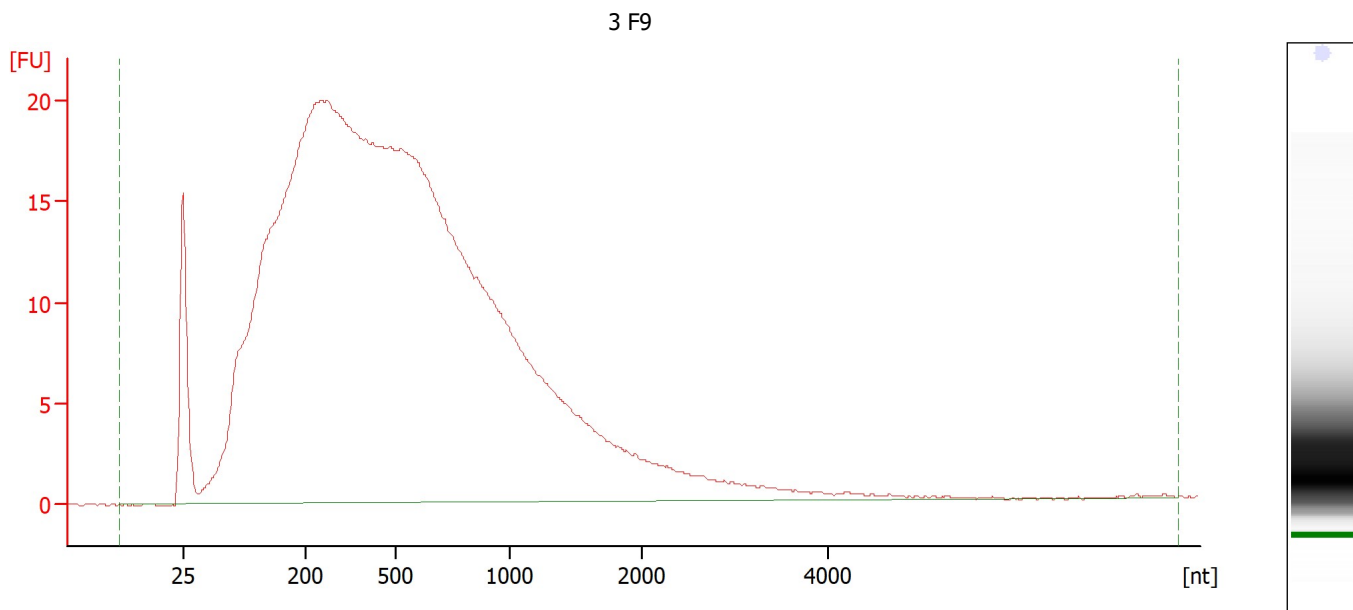
Overall Results for sample 9 : 3 E7

RNA Area:	651.4	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	1,041 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:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
 Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



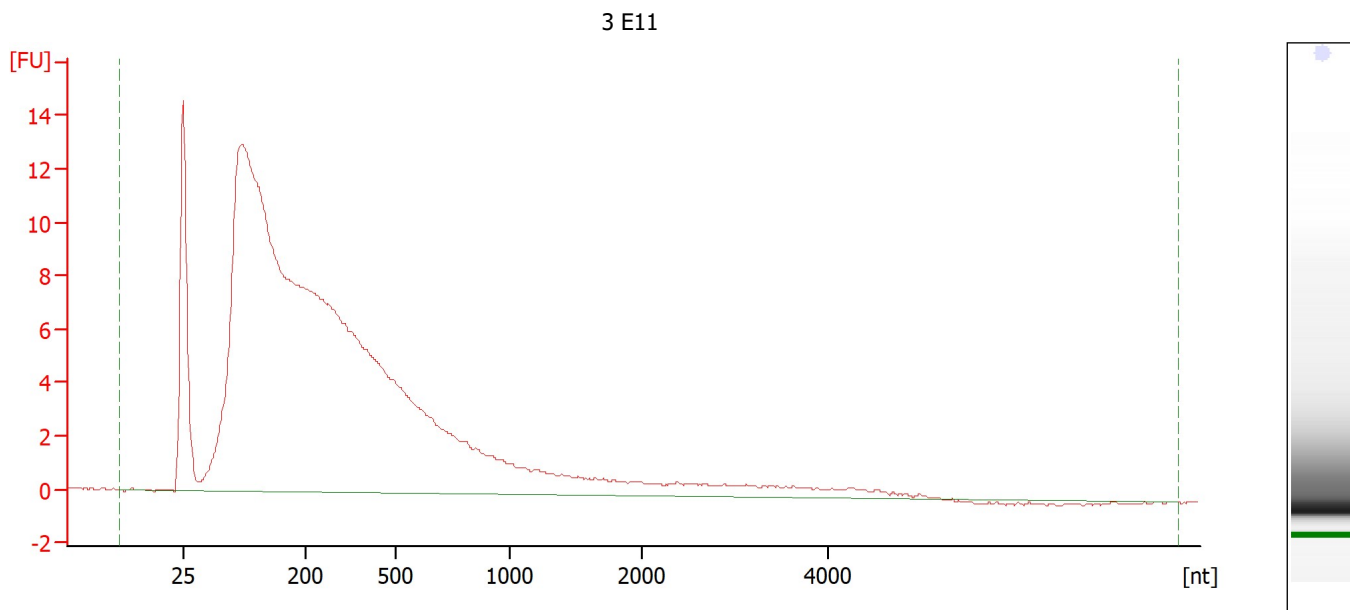
Overall Results for sample 10 : 3 F9

RNA Area:	730.4	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,167 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Electropherogram Summary Continued ...



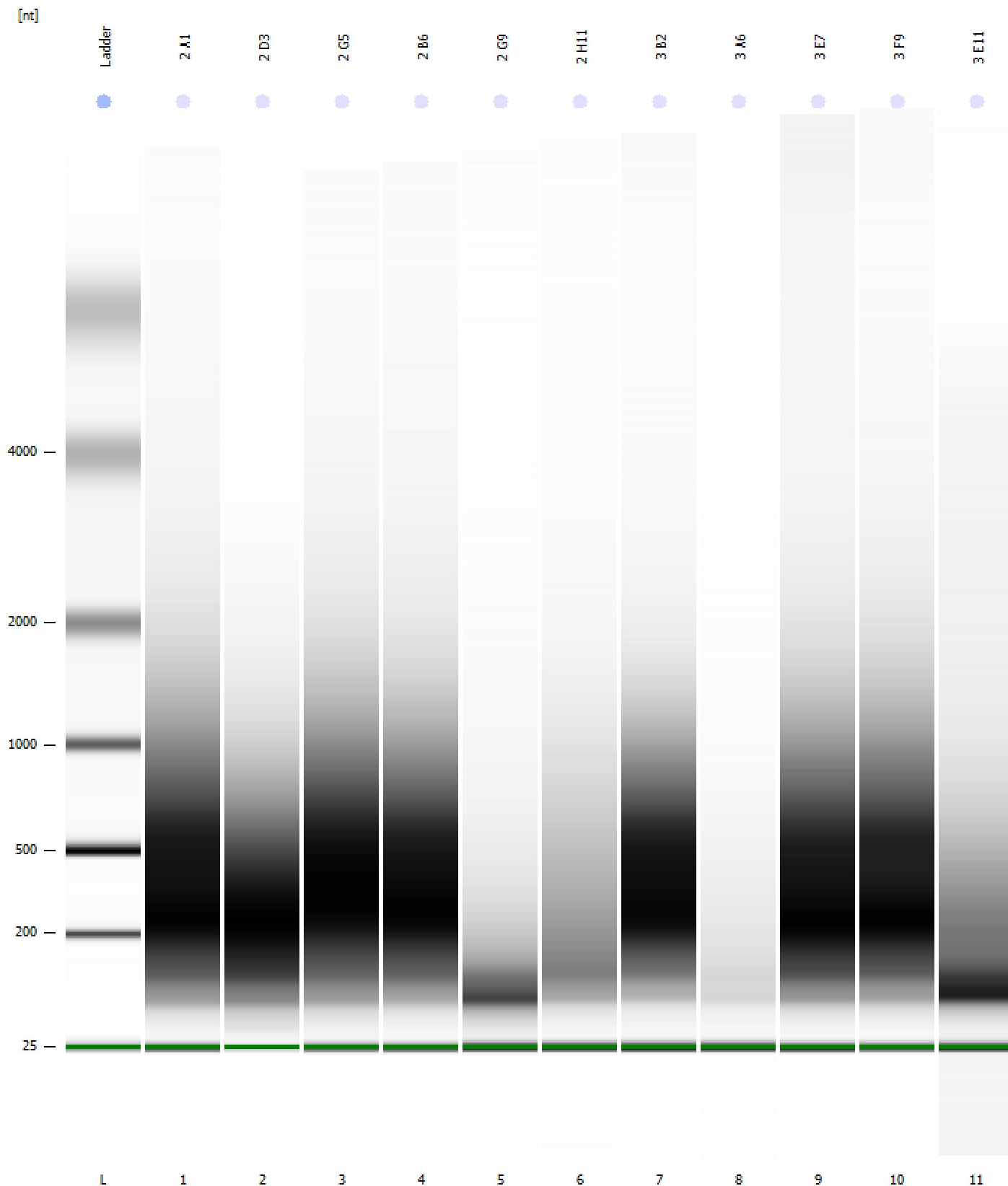
Overall Results for sample 11 : 3 E11

RNA Area:	282.8	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	452 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad

Created: 5/23/2023 2:18:16 PM
Modified: 5/23/2023 2:41:12 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad
 Created: 5/23/2023 2:18:16 PM
 Modified: 5/23/2023 2:41:12 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		5/23/2023 2:41:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-23\Bioanalyzer1_Eukaryote Total RNA Pico_2023-05-23_002.xad)		Instrument	Run		5/23/2023 2:18:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/23/2023 2:18:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/23/2023 2:18:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/23/2023 2:18:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/23/2023 2:18:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/23/2023 2:18:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/23/2023 2:18:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB