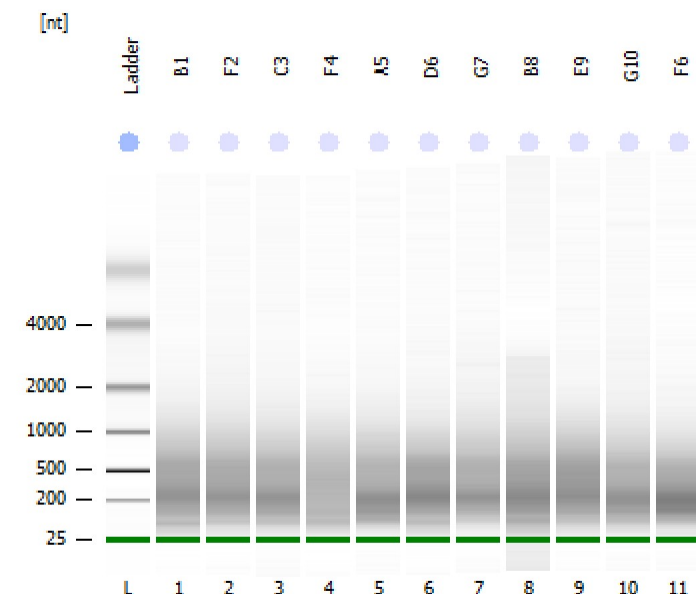


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 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 Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

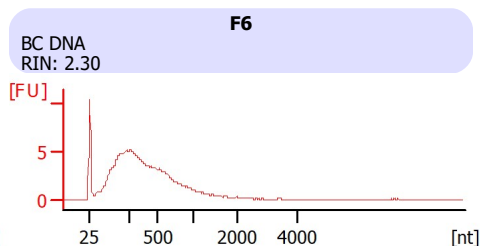
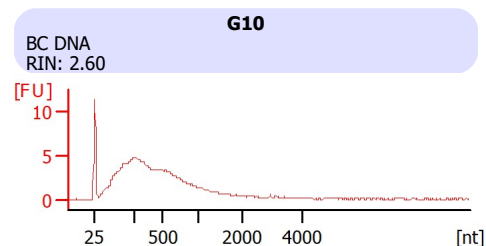
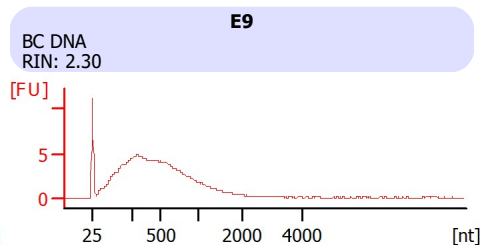
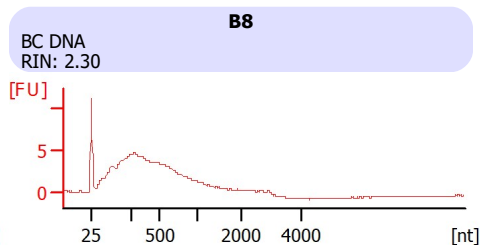
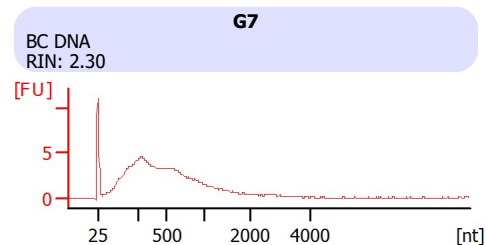
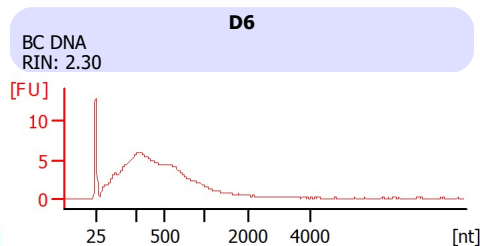
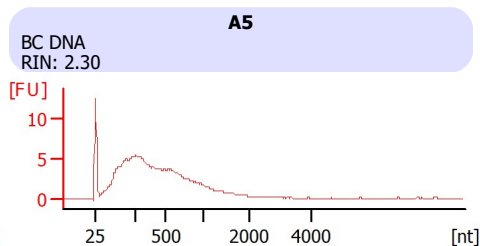
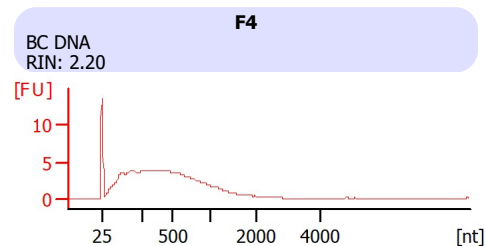
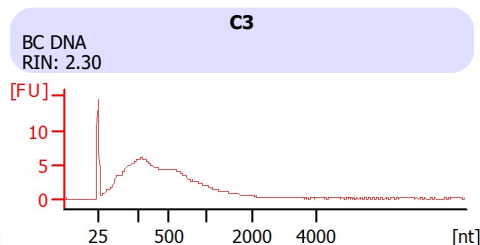
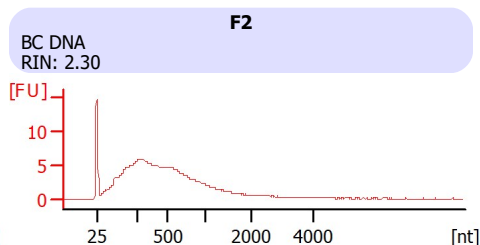
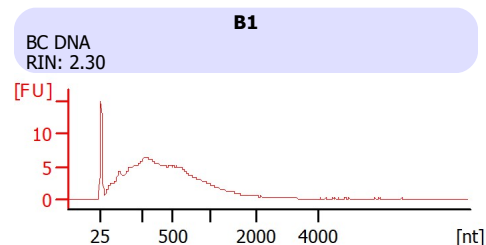
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
B1	BC DNA	✓	RIN: 2.30	
F2	BC DNA	✓	RIN: 2.30	
C3	BC DNA	✓	RIN: 2.30	
F4	BC DNA	✓	RIN: 2.20	
A5	BC DNA	✓	RIN: 2.30	
D6	BC DNA	✓	RIN: 2.30	
G7	BC DNA	✓	RIN: 2.30	
B8	BC DNA	✓	RIN: 2.30	
E9	BC DNA	✓	RIN: 2.30	
G10	BC DNA	✓	RIN: 2.60	
F6	BC DNA	✓	RIN: 2.30	
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_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
 Modified: 7/7/2025 12:20:36 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

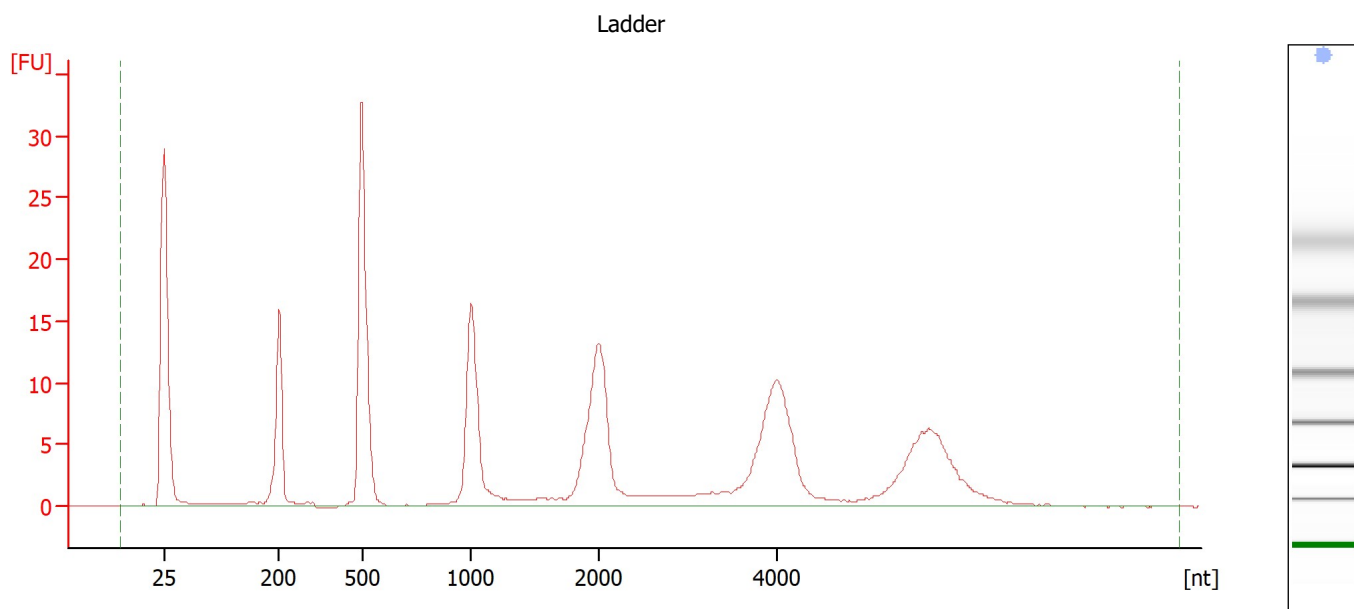
Ladder

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_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary



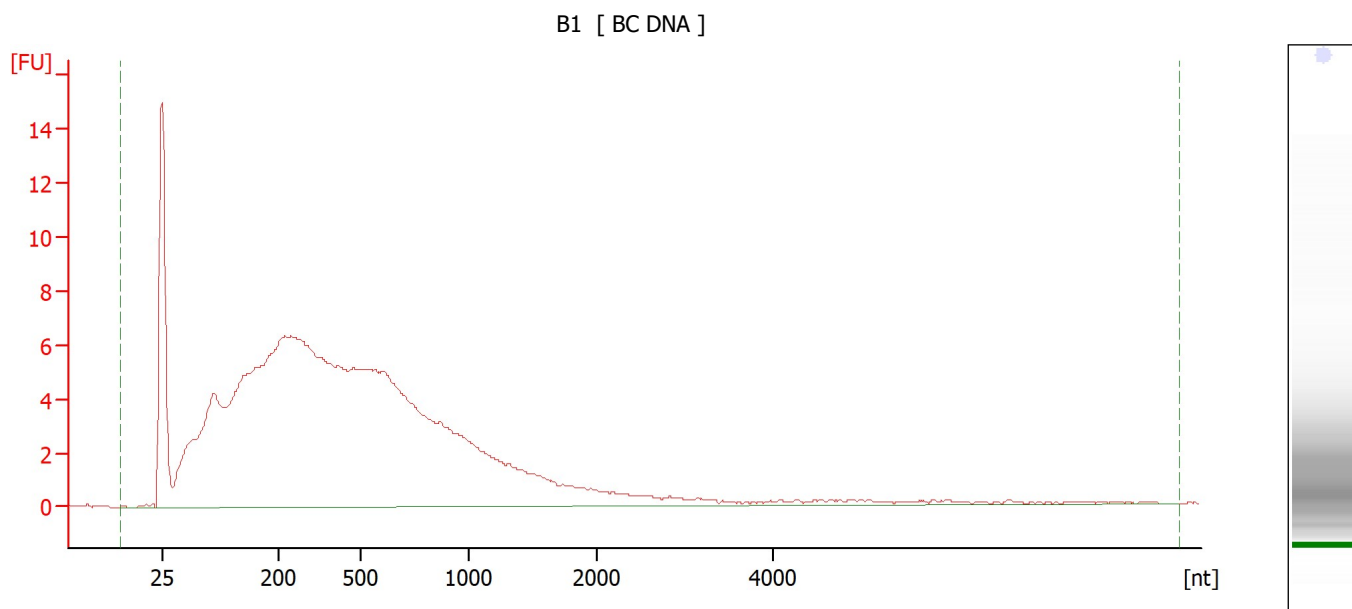
Overall Results for Ladder

RNA Area:	218.1	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_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



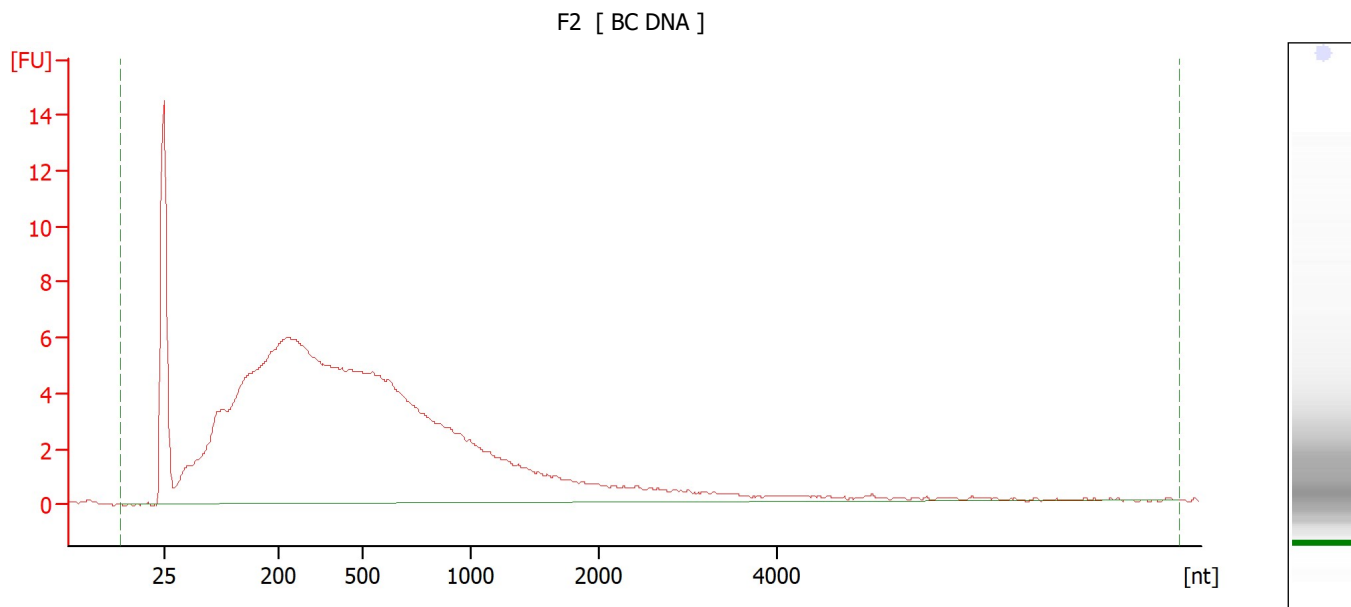
Overall Results for sample 1 : B1

RNA Area:	240.0	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	1,101 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



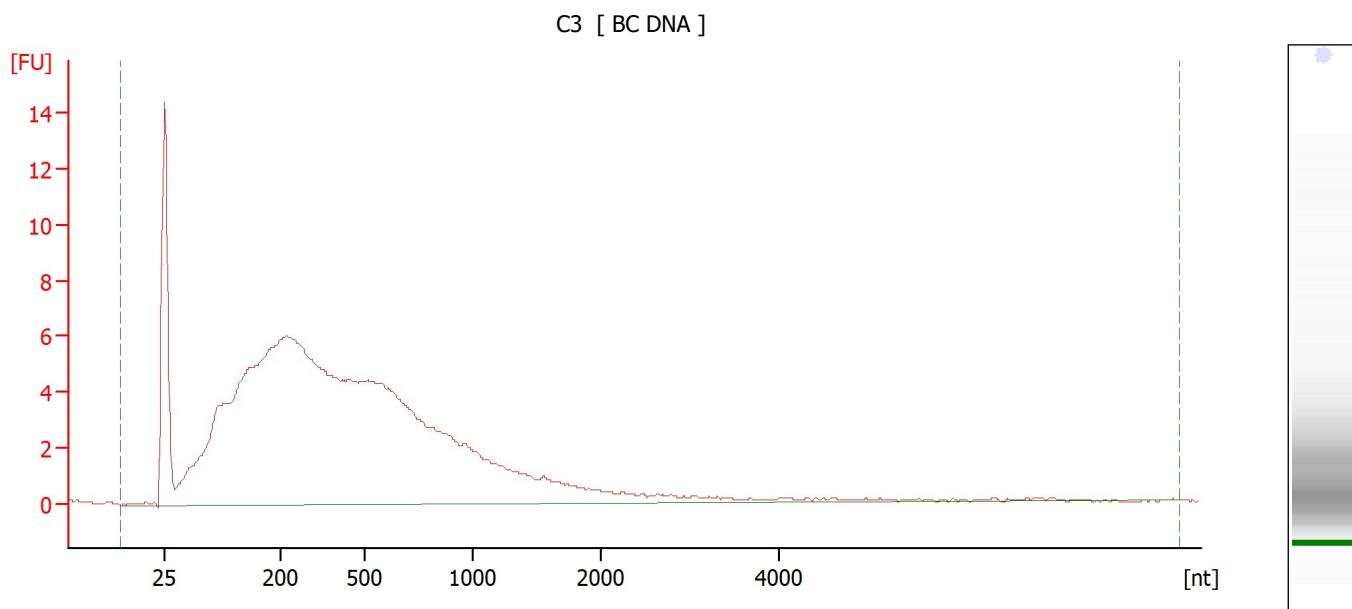
Overall Results for sample 2 : F2

RNA Area:	215.5	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	988 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



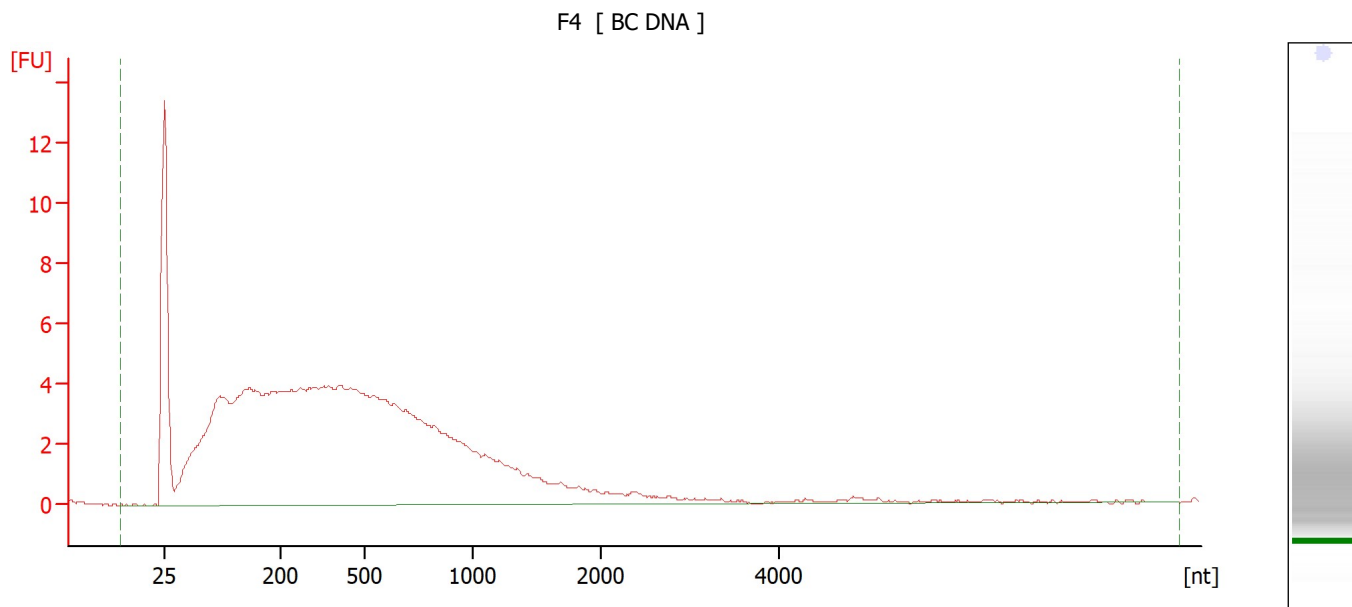
Overall Results for sample 3 : C3

RNA Area:	206.5	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	947 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



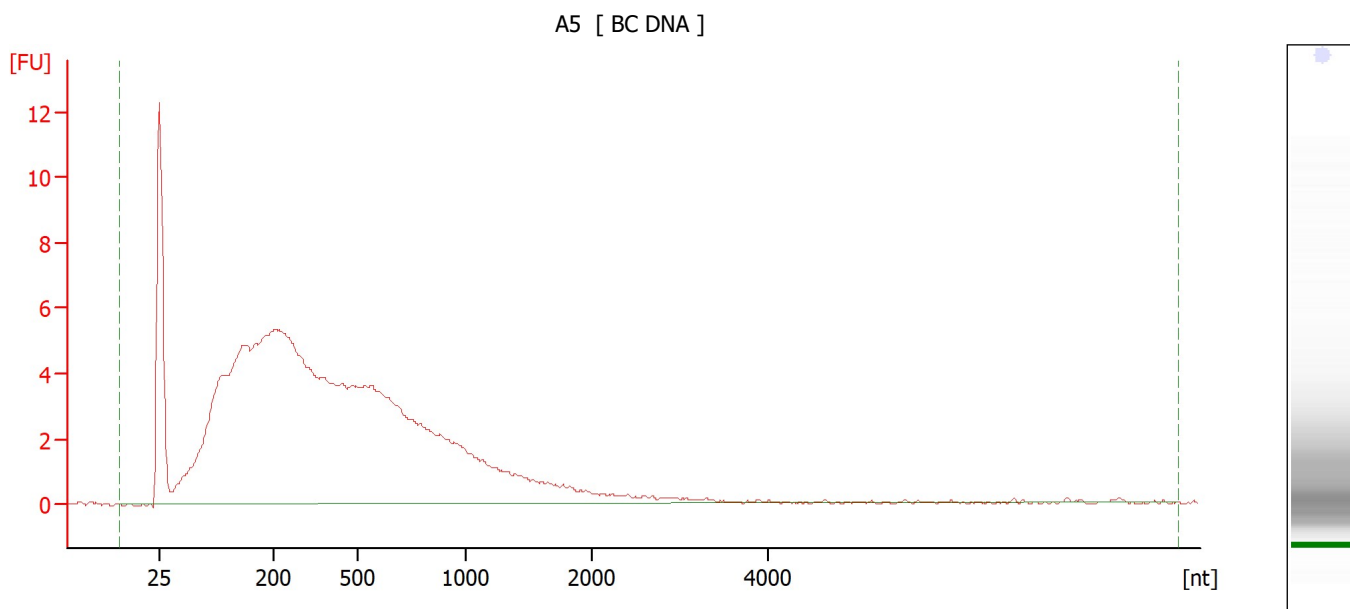
Overall Results for sample 4 : F4

RNA Area:	174.0	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	798 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_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



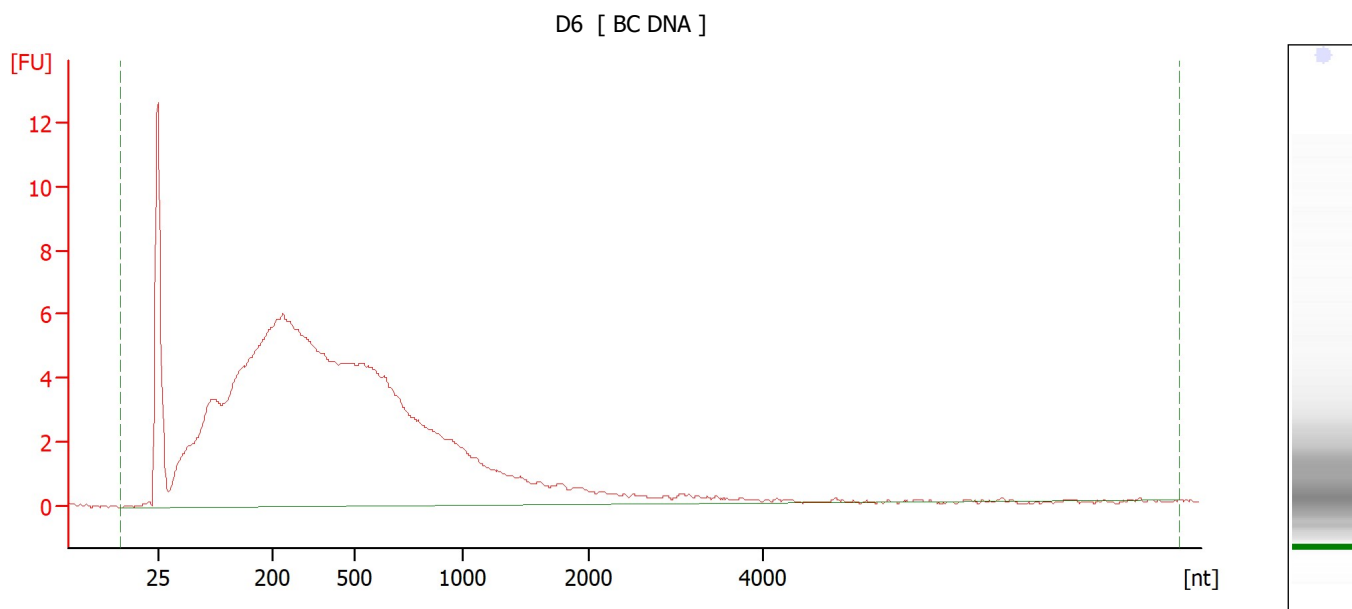
Overall Results for sample 5 : A5

RNA Area:	176.9	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	811 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



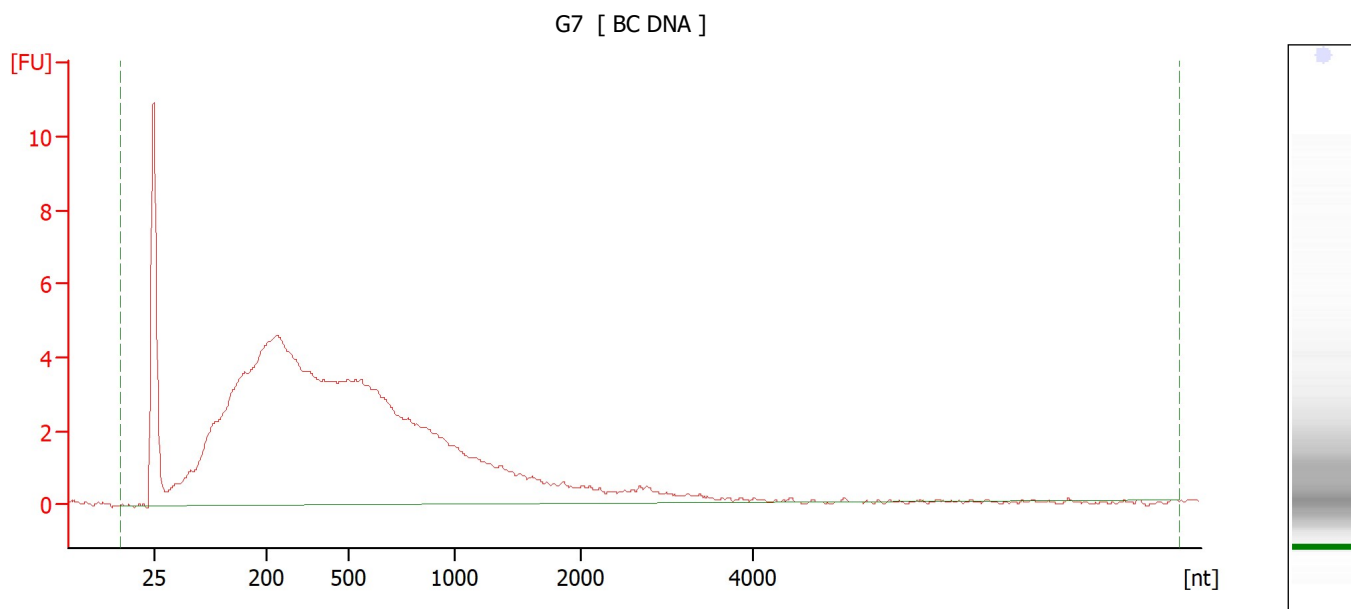
Overall Results for sample 6 : D6

RNA Area:	202.5	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	929 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



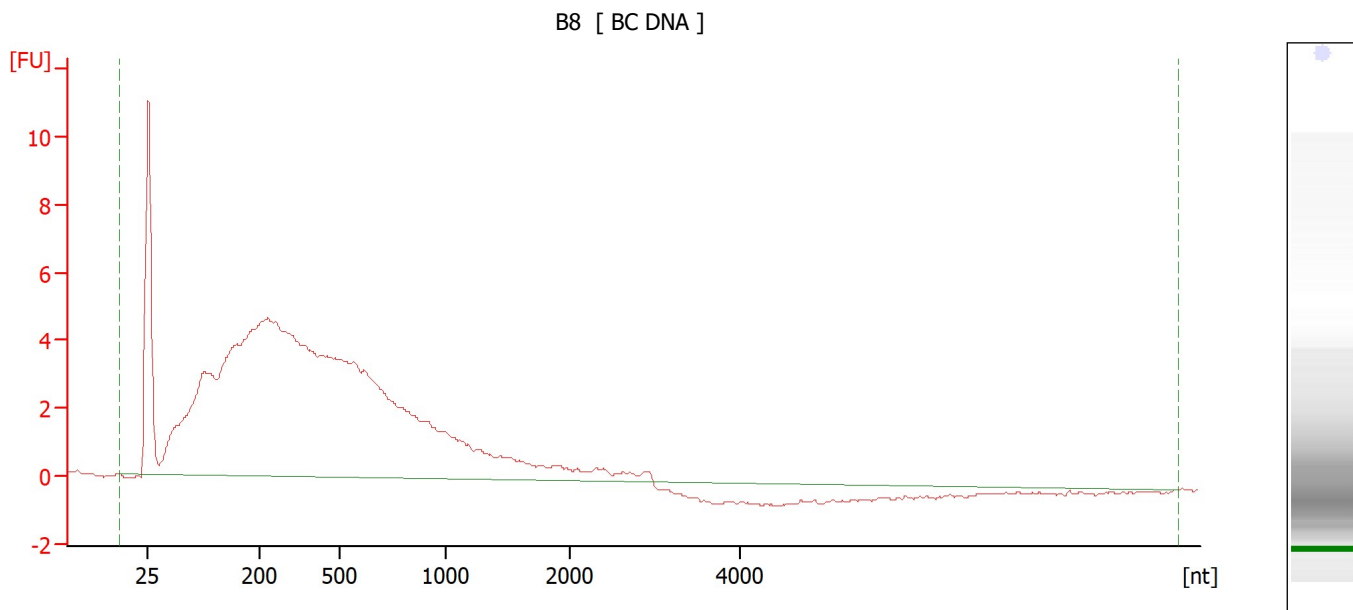
Overall Results for sample 7 : G7

RNA Area:	153.1	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	702 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...

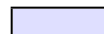


Overall Results for sample 8 : B8

RNA Area: 157.0
RNA Concentration: 720 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.3 (B.02.10,
Anomaly Threshold(s)
manually adapted)

Result Flagging Color:



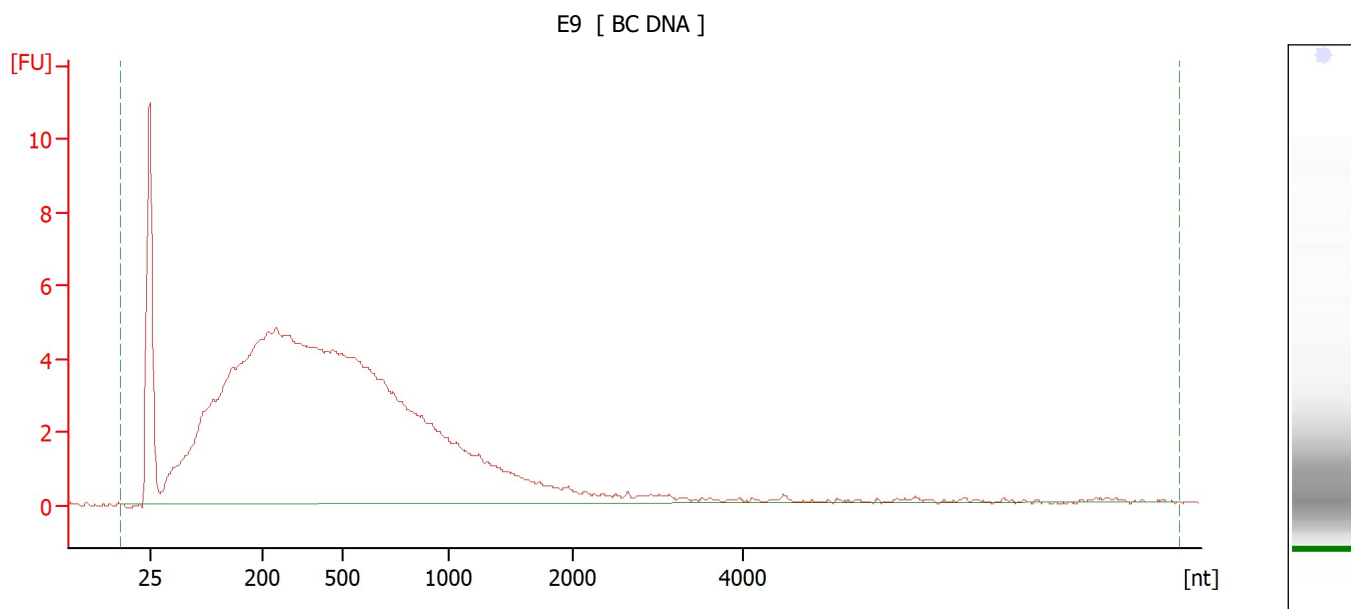
Result Flagging Label:

RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



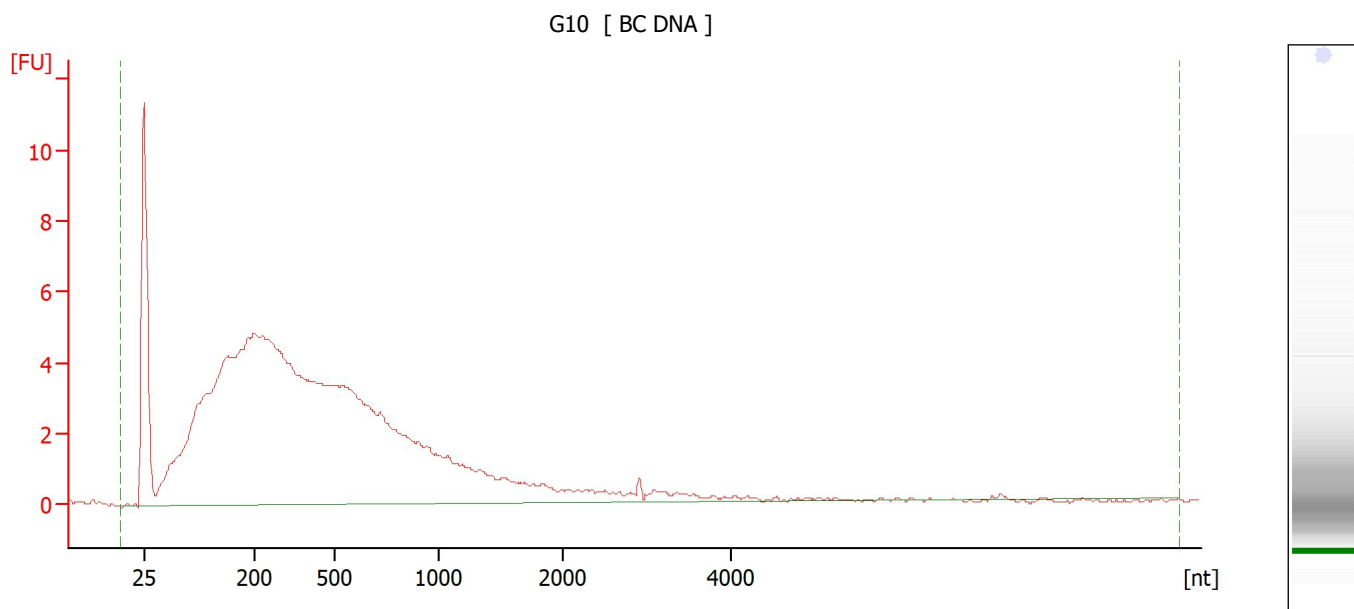
Overall Results for sample 9 : E9

RNA Area:	174.1	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	798 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



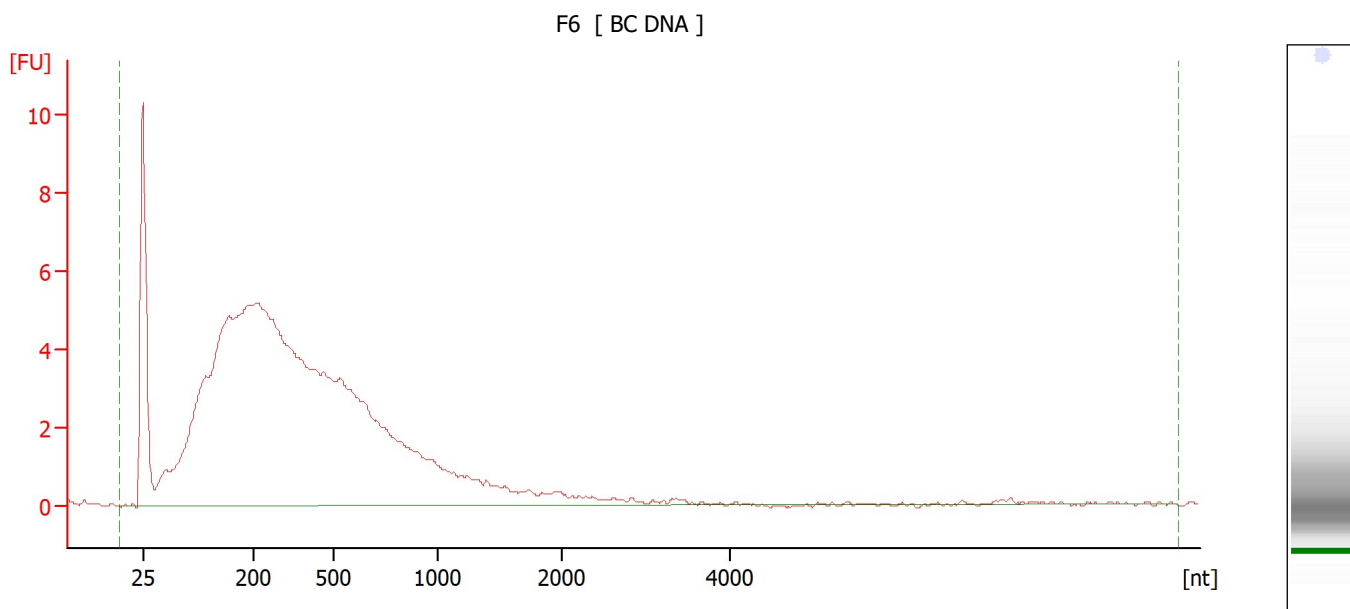
Overall Results for sample 10 : G10

RNA Area:	164.2	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	753 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Electropherogram Summary Continued ...



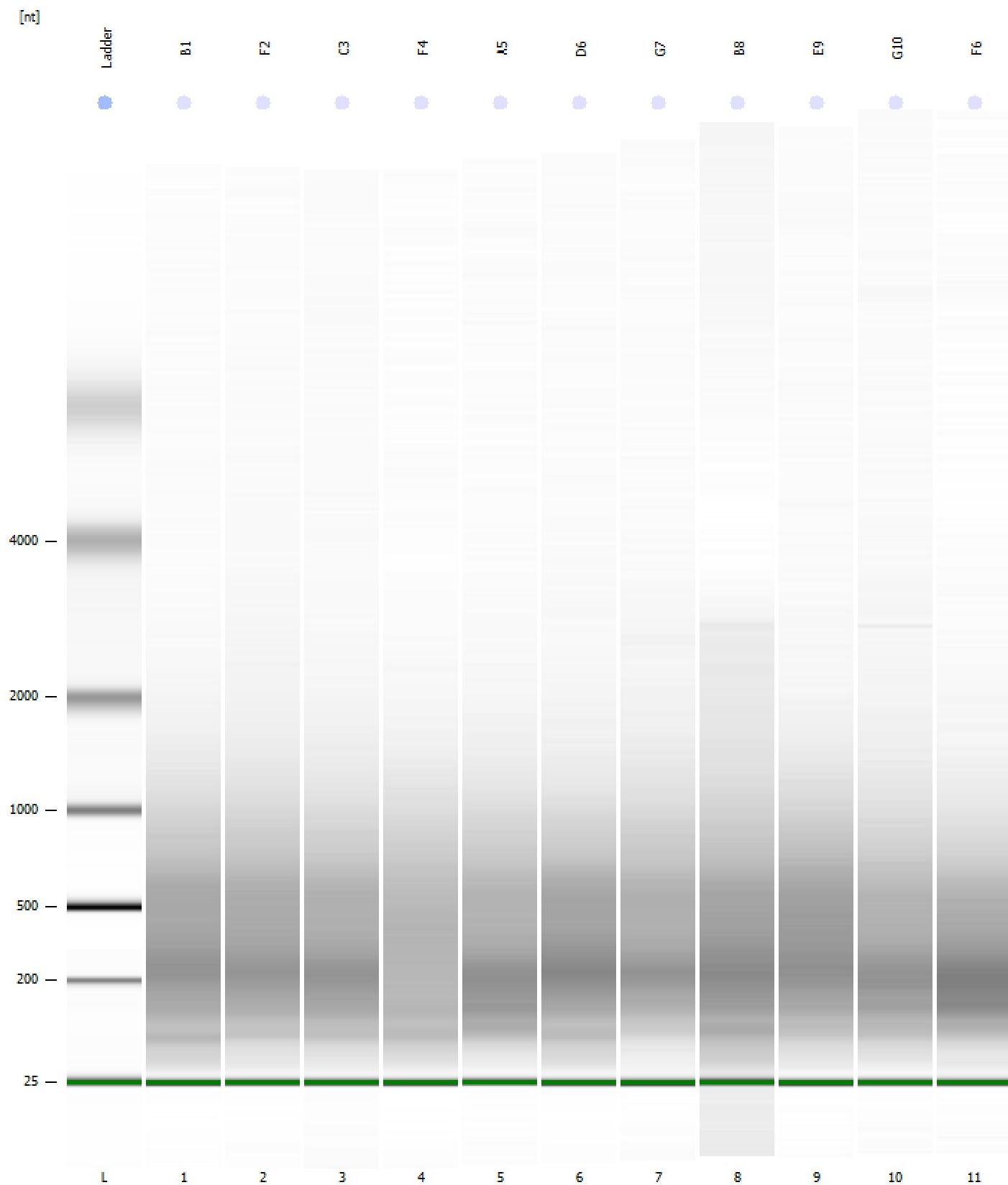
Overall Results for sample 11 : F6

RNA Area:	155.7	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	714 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:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad

Created: 7/7/2025 11:47:39 AM
Modified: 7/7/2025 12:20:36 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		7/7/2025 12:10:40 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\2025-07-07\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-07-07_001.xad)		Instrument	Run		7/7/2025 11:47:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/7/2025 11:47:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/7/2025 11:47:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/7/2025 11:47:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/7/2025 11:47:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/7/2025 11:47:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/7/2025 11:47:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB