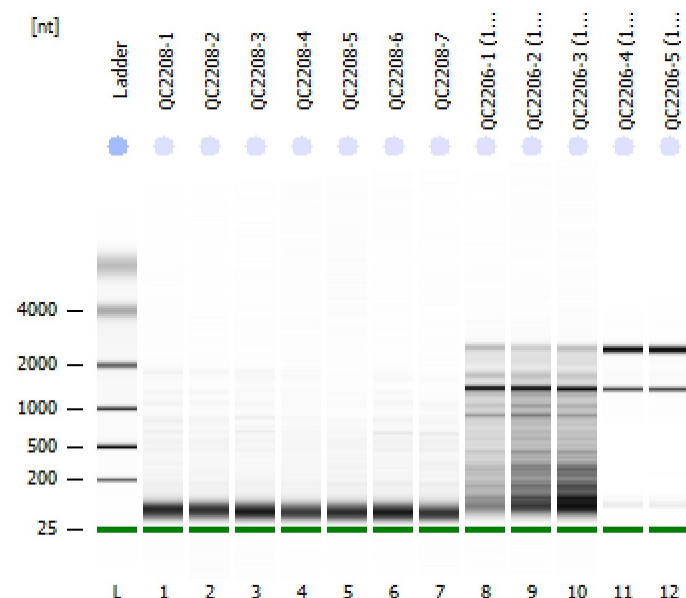


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 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)

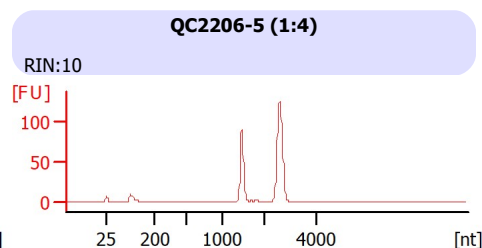
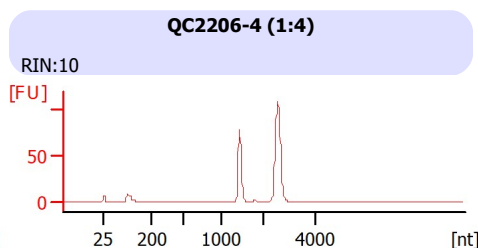
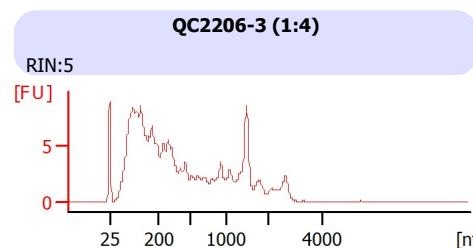
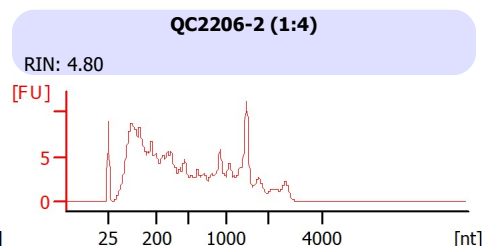
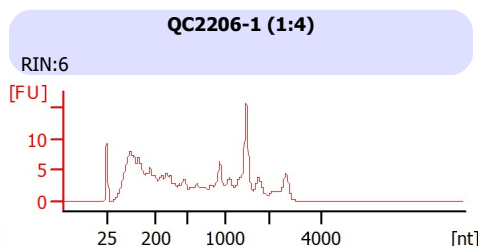
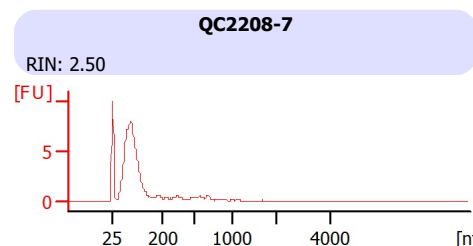
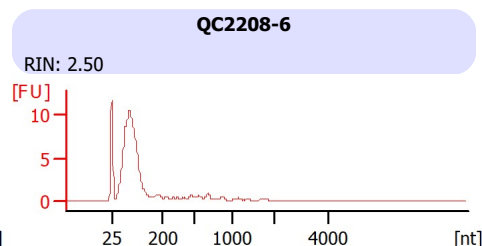
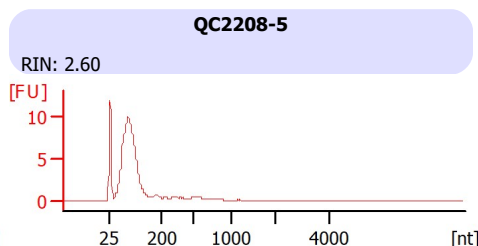
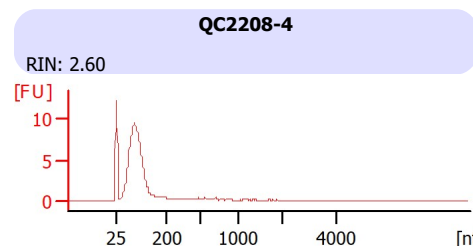
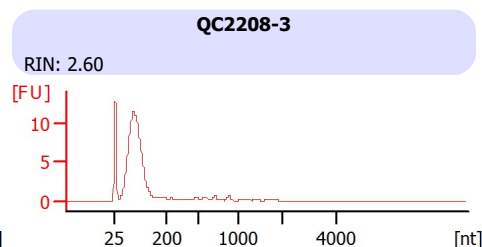
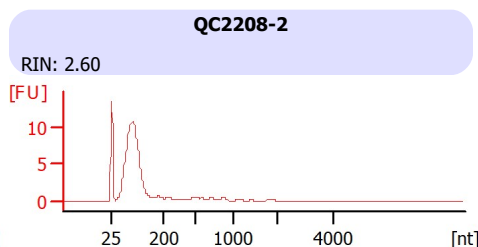
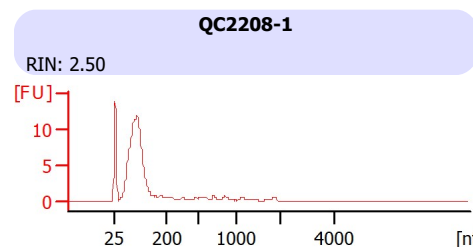
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
 Modified: 5/28/2025 5:34:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC2208-1		✓	RIN: 2.50	
QC2208-2		✓	RIN: 2.60	
QC2208-3		✓	RIN: 2.60	
QC2208-4		✓	RIN: 2.60	
QC2208-5		✓	RIN: 2.60	
QC2208-6		✓	RIN: 2.50	
QC2208-7		✓	RIN: 2.50	
QC2206-1 (1:4)		✓	RIN:6	
QC2206-2 (1:4)		✓	RIN: 4.80	
QC2206-3 (1:4)		✓	RIN:5	
QC2206-4 (1:4)		✓	RIN:10	
QC2206-5 (1:4)		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
 Modified: 5/28/2025 5:34:00 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

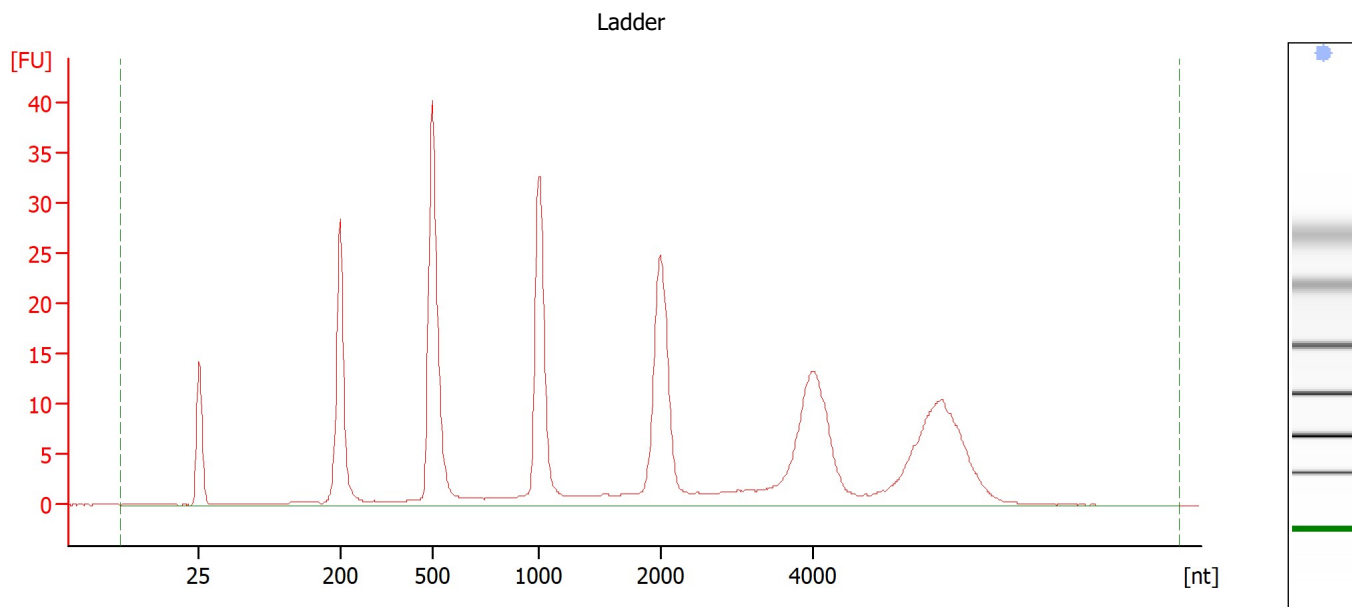
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 319.7

Result Flagging Color:



RNA Concentration: 150 ng/μl

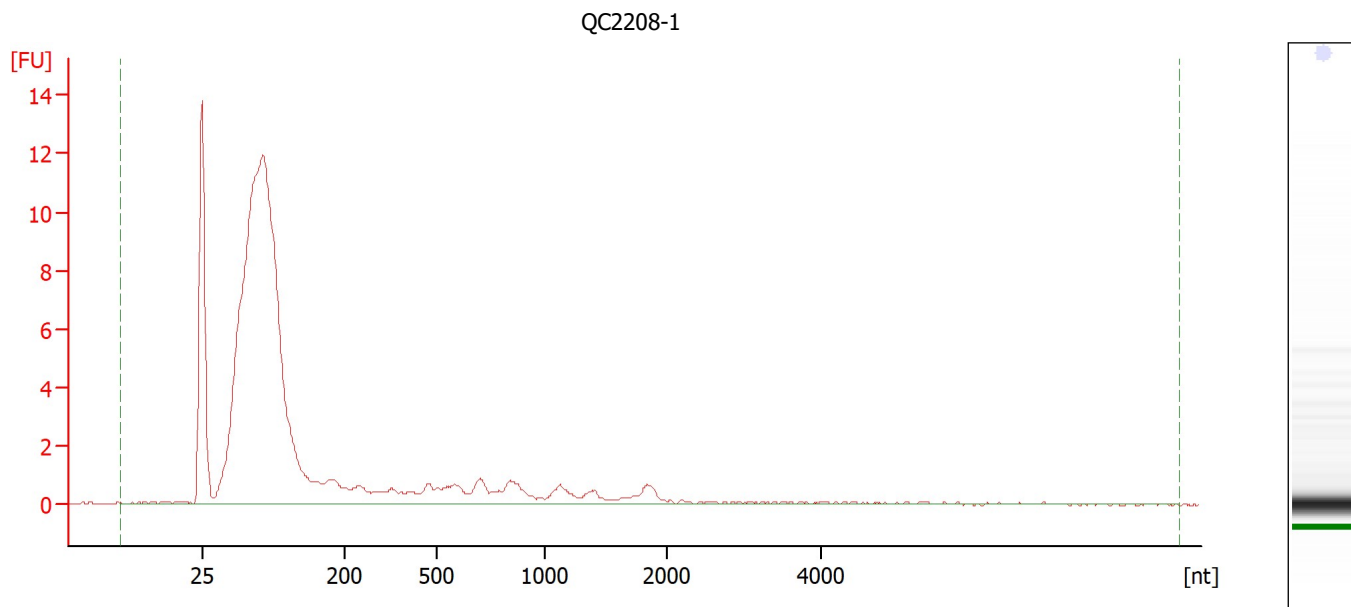
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



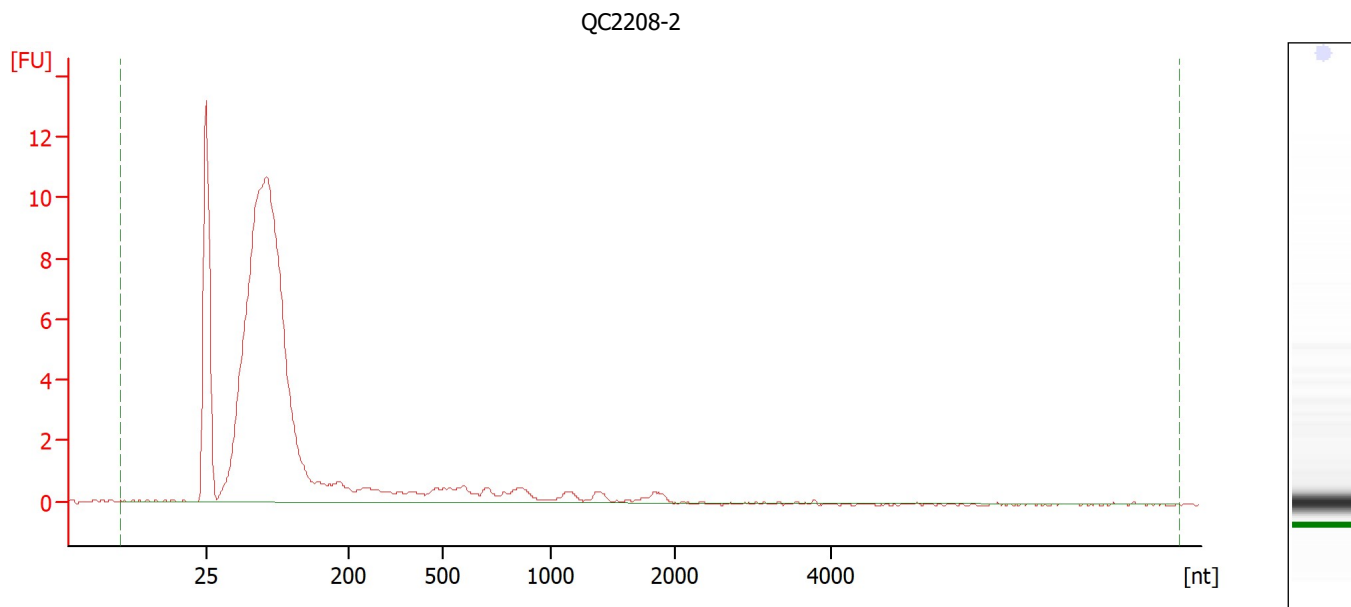
Overall Results for sample 1 : QC2208-1

RNA Area:	116.0	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



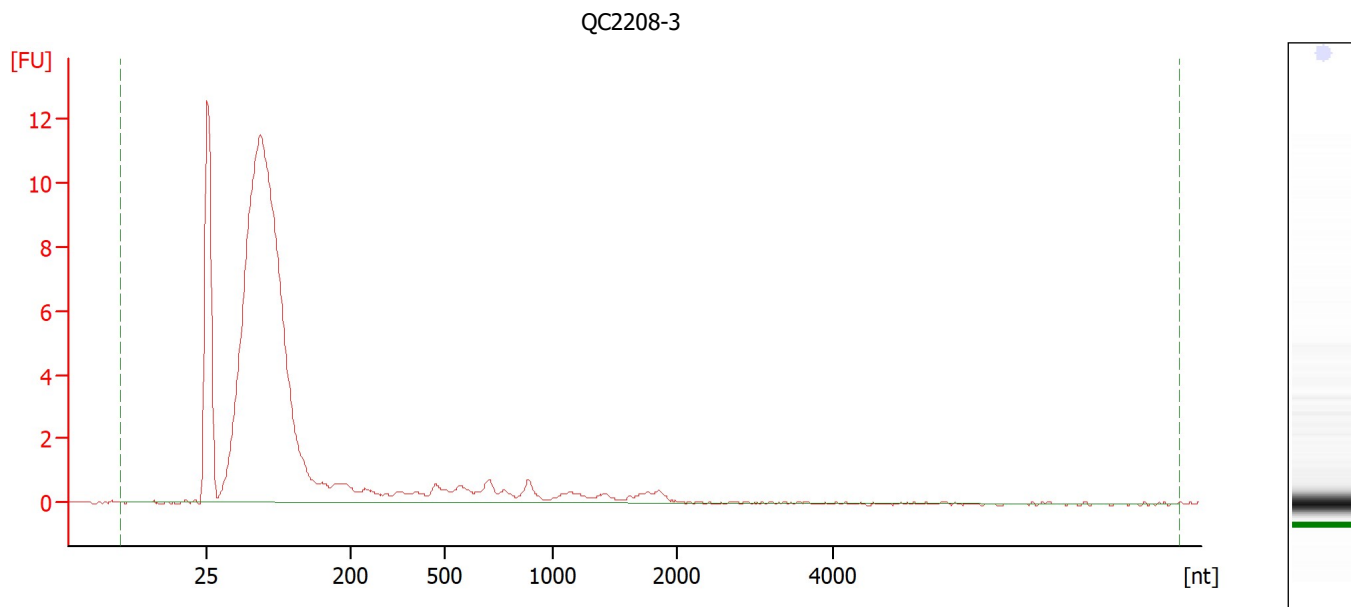
Overall Results for sample 2 : QC2208-2

RNA Area:	98.1	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



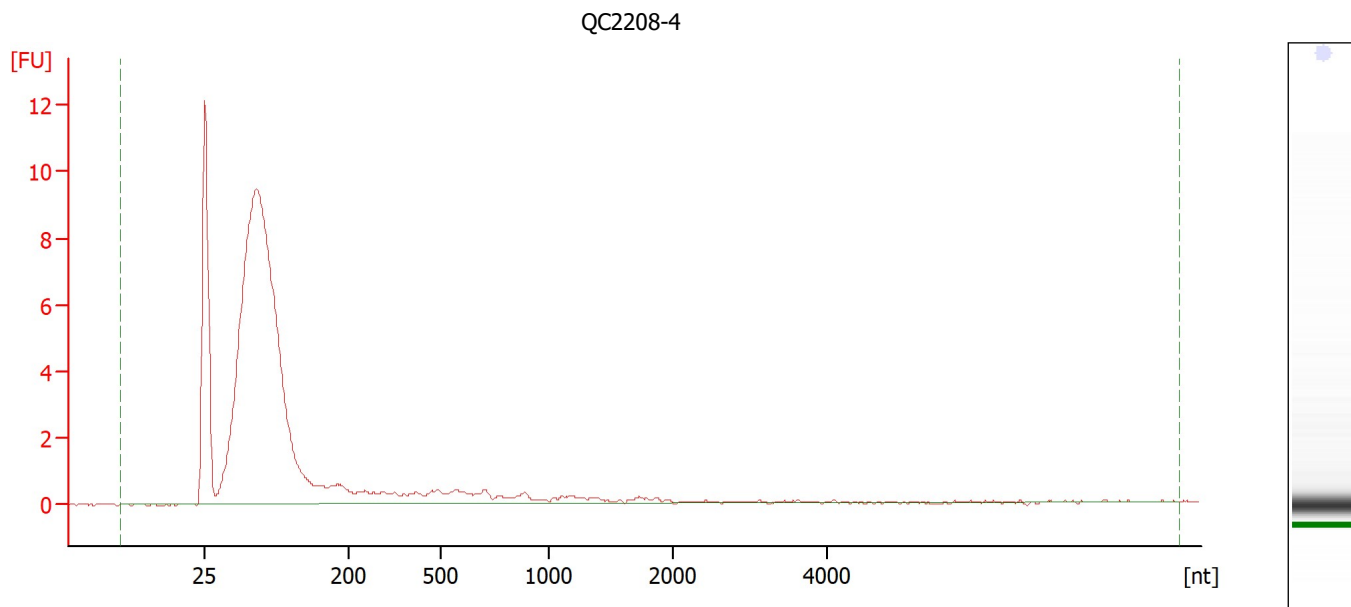
Overall Results for sample 3 : QC2208-3

RNA Area:	106.6	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



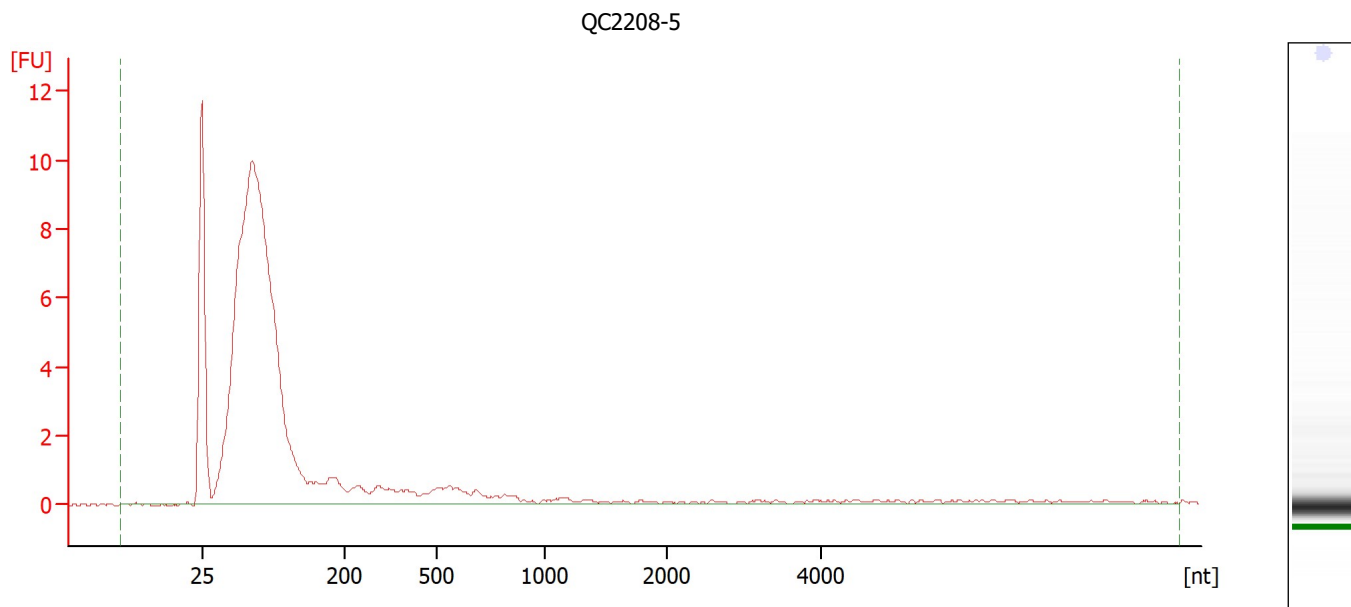
Overall Results for sample 4 : QC2208-4

RNA Area:	87.4	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	41 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



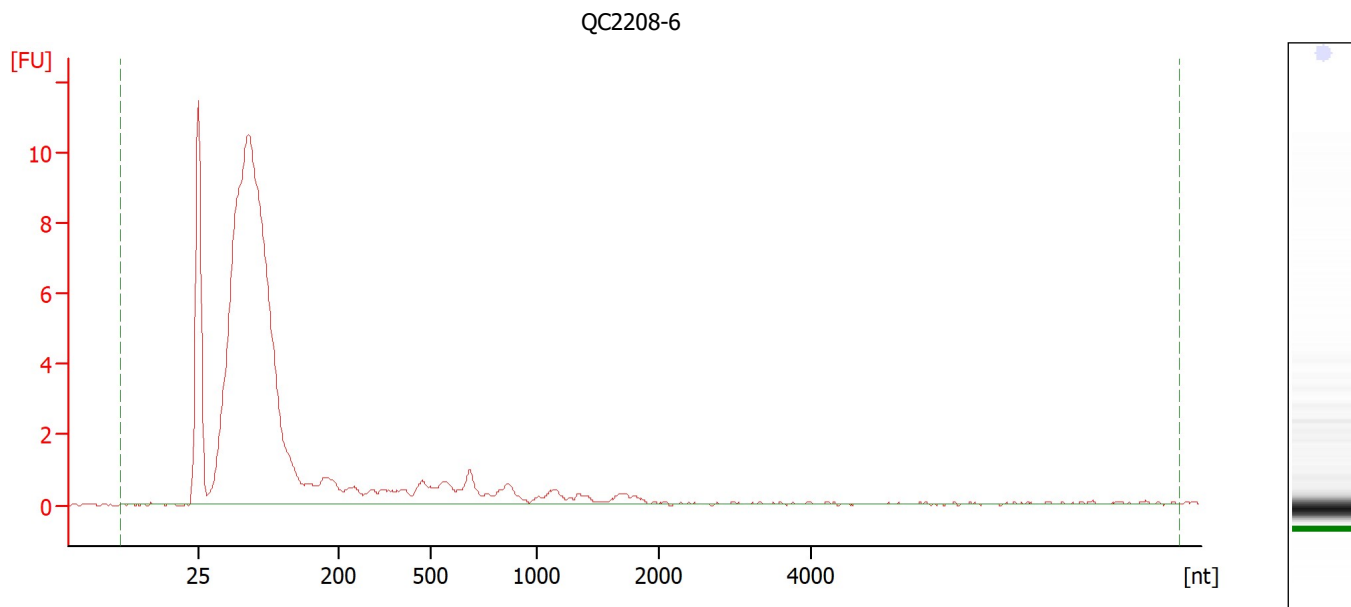
Overall Results for sample 5 : QC2208-5

RNA Area:	96.0	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	45 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



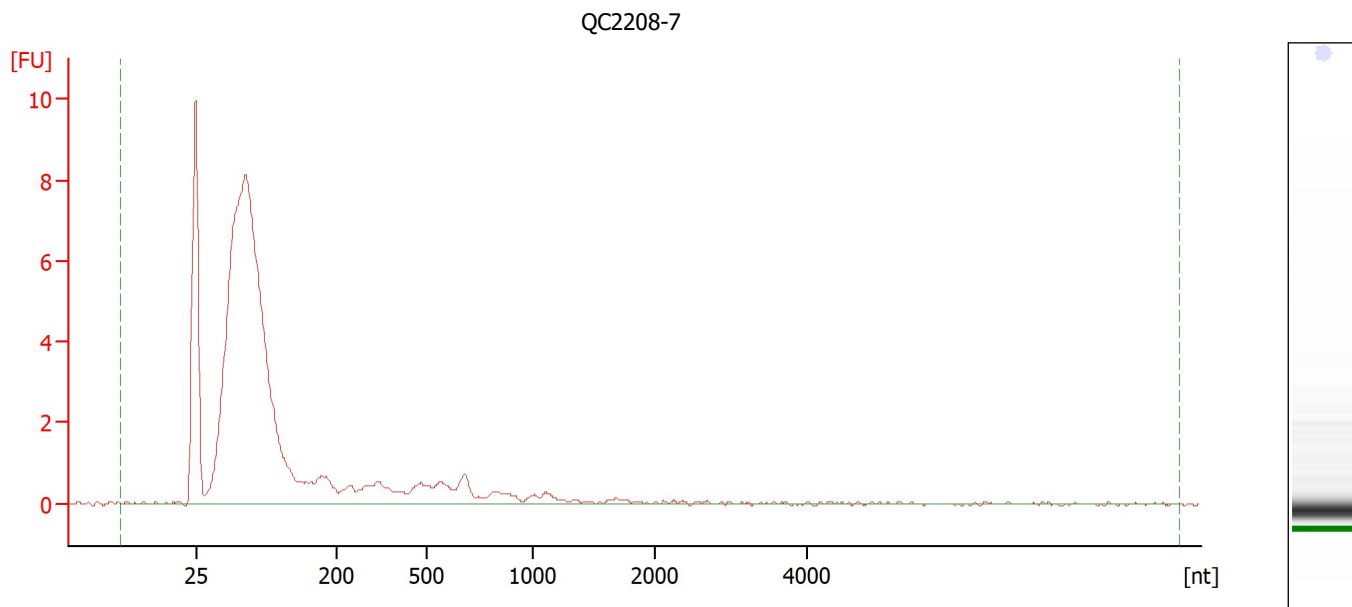
Overall Results for sample 6 : QC2208-6

RNA Area:	103.5	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	49 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



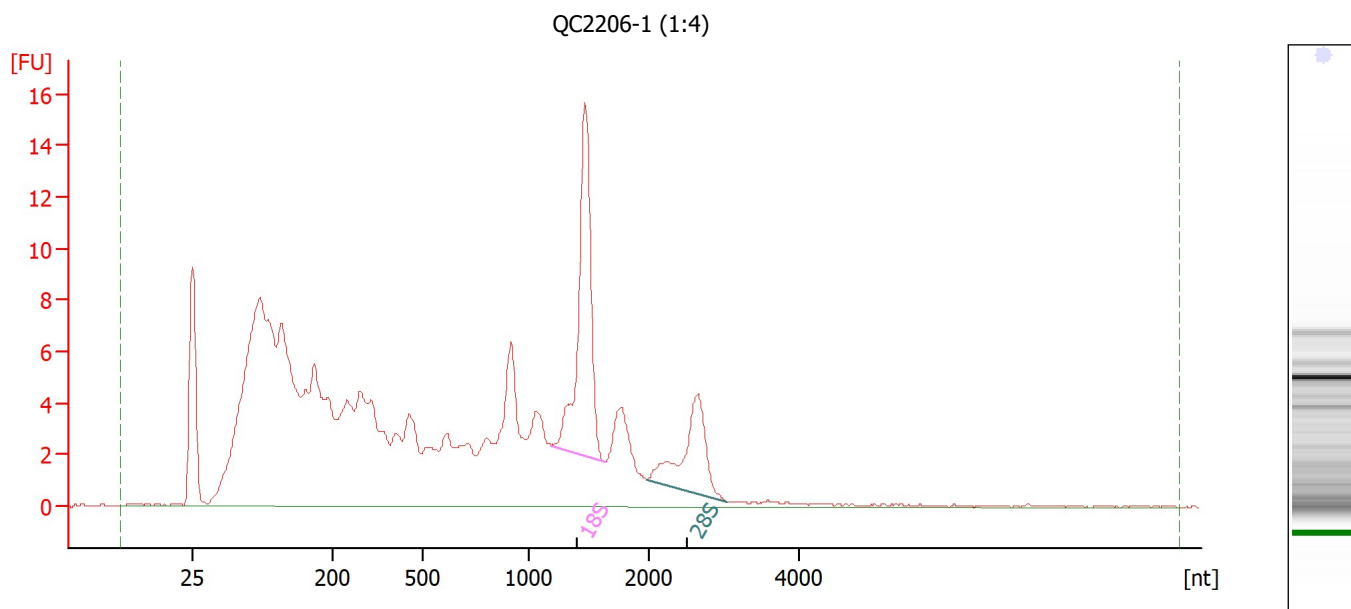
Overall Results for sample 7 : QC2208-7

RNA Area:	77.1	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC2206-1 (1:4)

RNA Area:	253.8	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	119 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN:6

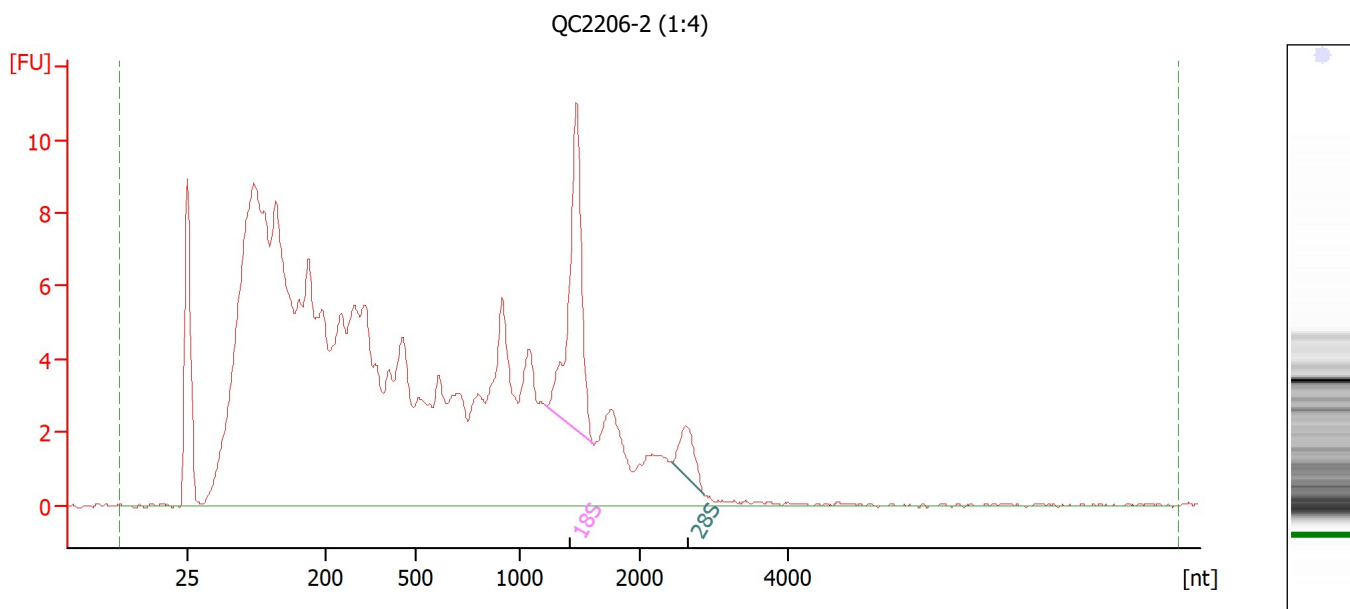
Fragment table for sample 8 : QC2206-1 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,196	1,632	21.8	8.6
28S	1,987	3,042	9.9	3.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC2206-2 (1:4)

RNA Area:	273.2	RNA Integrity Number (RIN):	4.8 (B.02.10)
RNA Concentration:	128 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 4.80

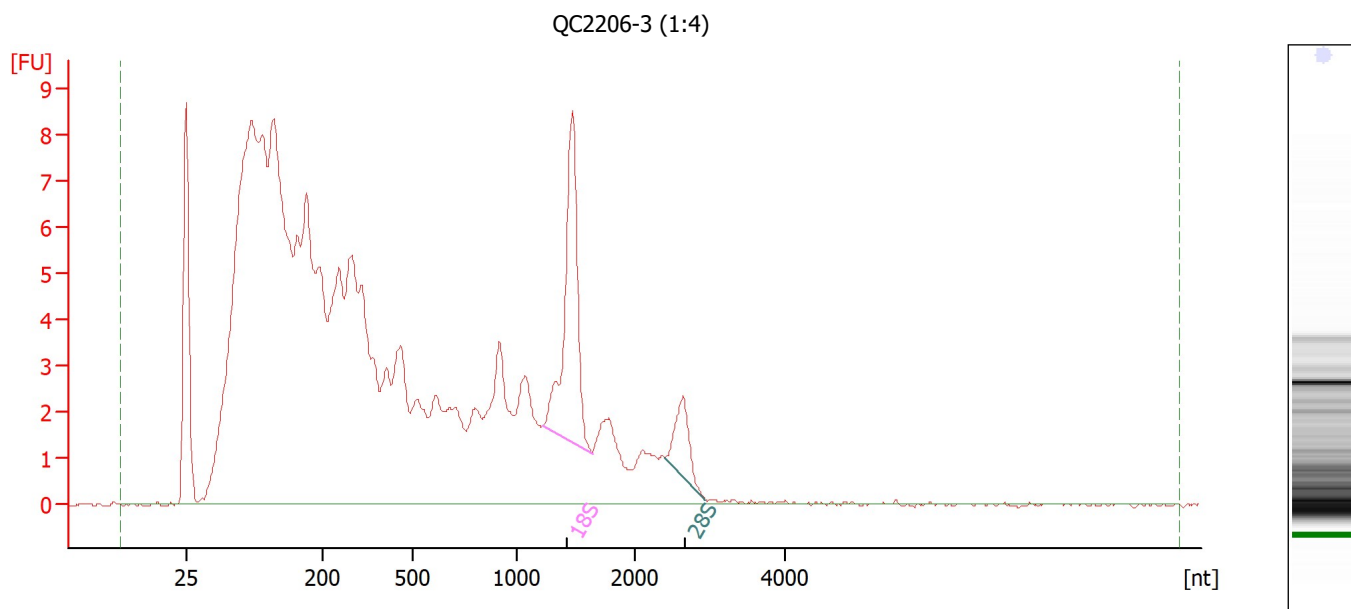
Fragment table for sample 9 : QC2206-2 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,222	1,617	15.0	5.5
28S	2,433	2,862	2.5	0.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC2206-3 (1:4)

RNA Area:	234.7	RNA Integrity Number (RIN):	5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	110 ng/μl		
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Color:	
		Result Flagging Label:	RIN:5

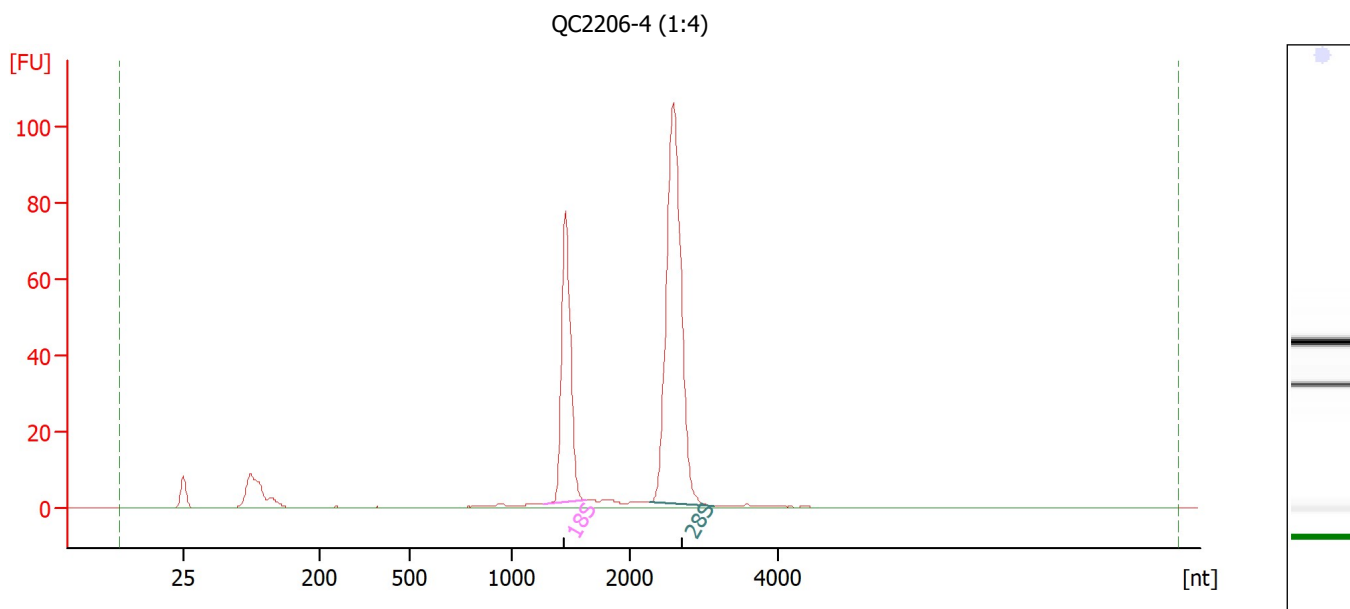
Fragment table for sample 10 : QC2206-3 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,209	1,632	11.9	5.1
28S	2,390	2,936	2.7	1.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC2206-4 (1:4)

RNA Area:	361.9	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	170 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:10

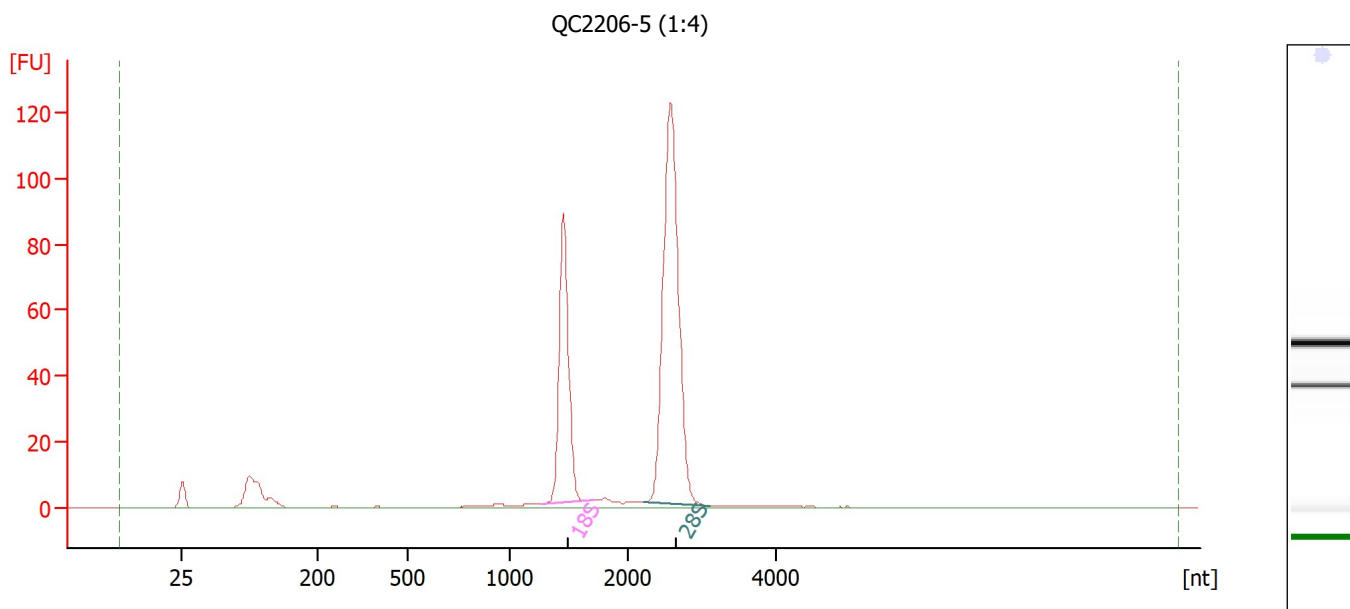
Fragment table for sample 11 : QC2206-4 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,267	1,620	92.8	25.7
28S	2,260	3,111	186.7	51.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : QC2206-5 (1:4)

RNA Area:	430.3	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	202 ng/μl		
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Color:	
		Result Flagging Label:	RIN:10

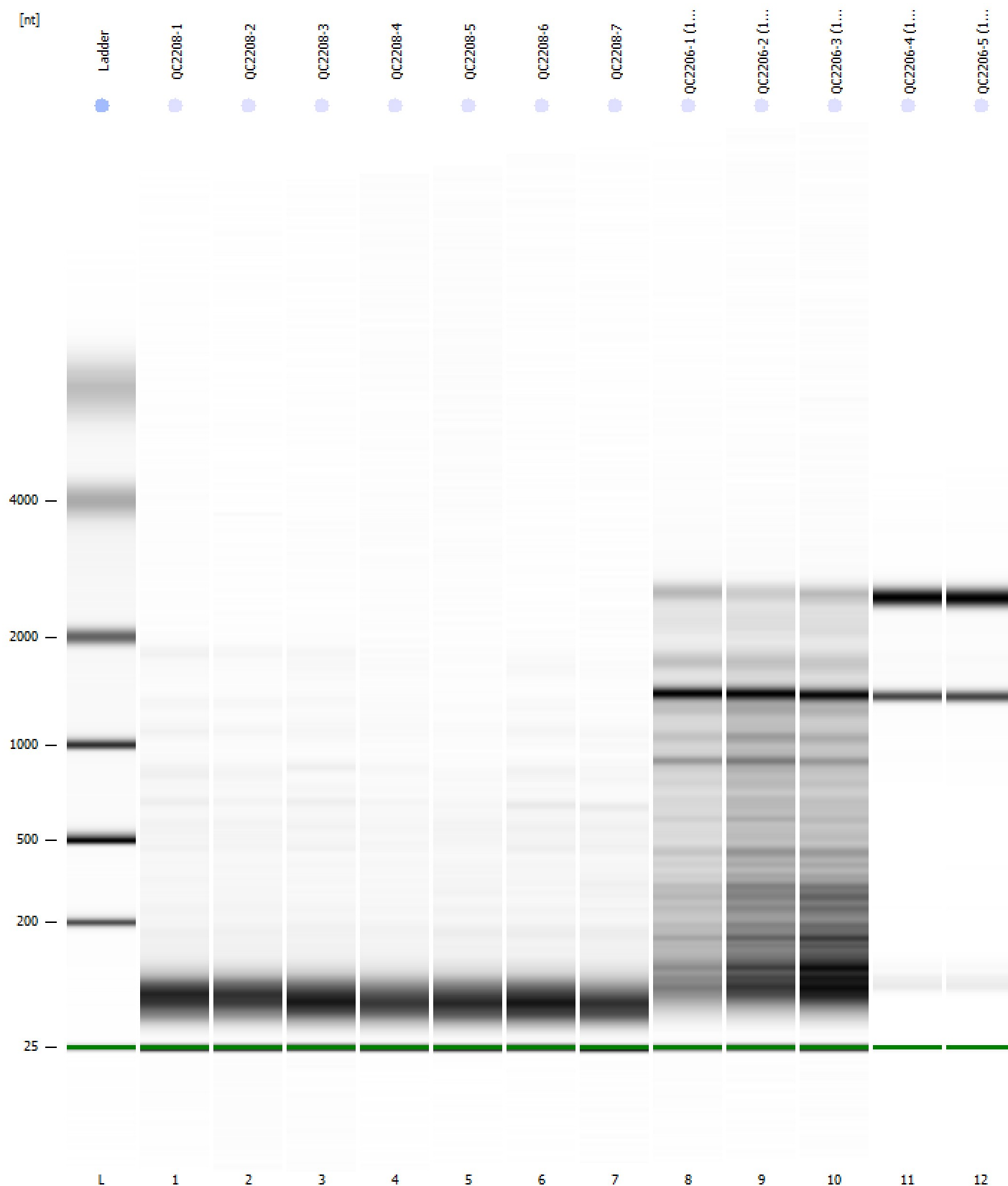
Fragment table for sample 12 : QC2206-5 (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,265	1,709	112.4	26.1
28S	2,216	3,112	224.1	52.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 4:38:34 PM
Modified: 5/28/2025 5:34:00 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2025-05-28_001.xad
 Created: 5/28/2025 4:38:34 PM
 Modified: 5/28/2025 5:34:00 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 5:02:19 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_001.xad)		Instrument	Run		5/28/2025 4:38:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/28/2025 4:38:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/28/2025 4:38:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/28/2025 4:38:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/28/2025 4:38:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/28/2025 4:38:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/28/2025 4:38:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB