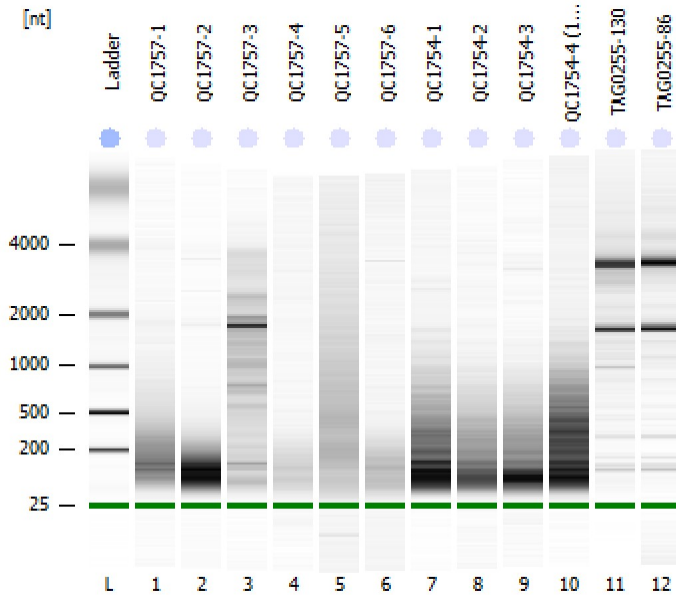


Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electrophoresis File Run Summary



Instrument Information:

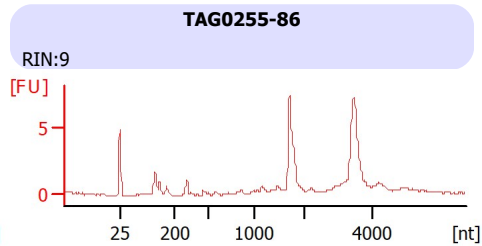
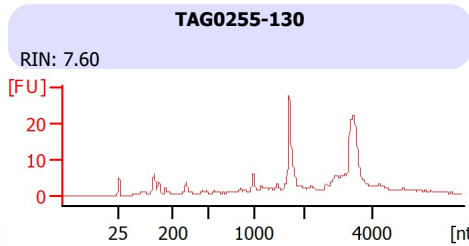
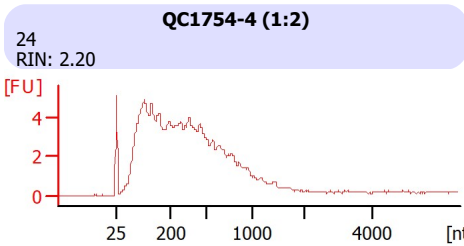
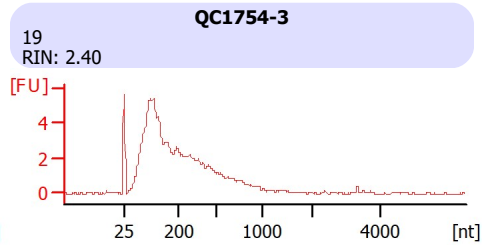
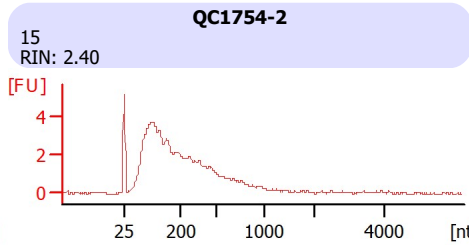
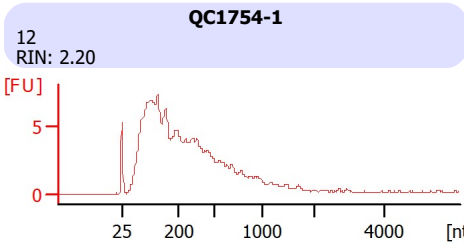
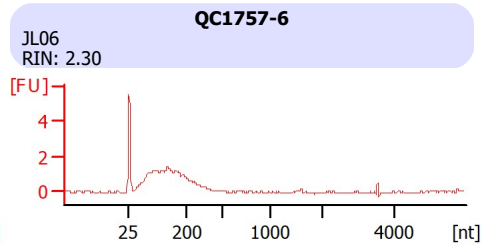
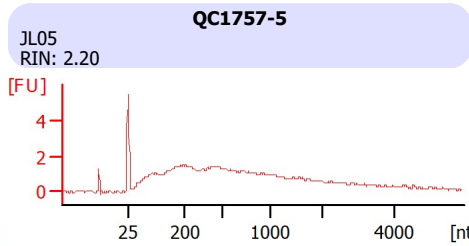
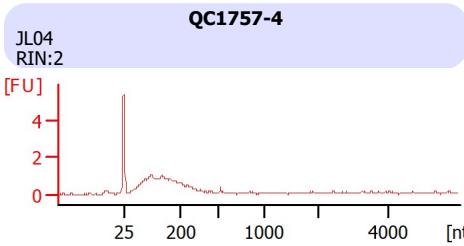
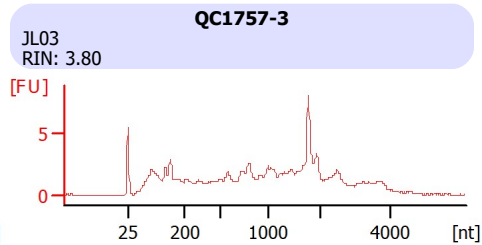
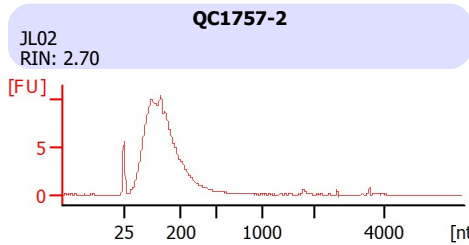
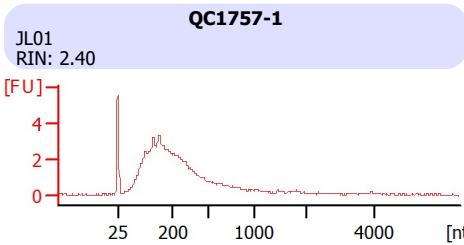
Instrument Name: DE34903152 Firmware: C.01.069
 Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1757-1	JL01	✓	RIN: 2.40	
QC1757-2	JL02	✓	RIN: 2.70	
QC1757-3	JL03	✓	RIN: 3.80	
QC1757-4	JL04	✓	RIN:2	
QC1757-5	JL05	✓	RIN: 2.20	
QC1757-6	JL06	✓	RIN: 2.30	
QC1754-1	12	✓	RIN: 2.20	
QC1754-2	15	✓	RIN: 2.40	
QC1754-3	19	✓	RIN: 2.40	
QC1754-4 (1:2)	24	✓	RIN: 2.20	
TAG0255-130		✓	RIN: 7.60	
TAG0255-86		✓	RIN:9	
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_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 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

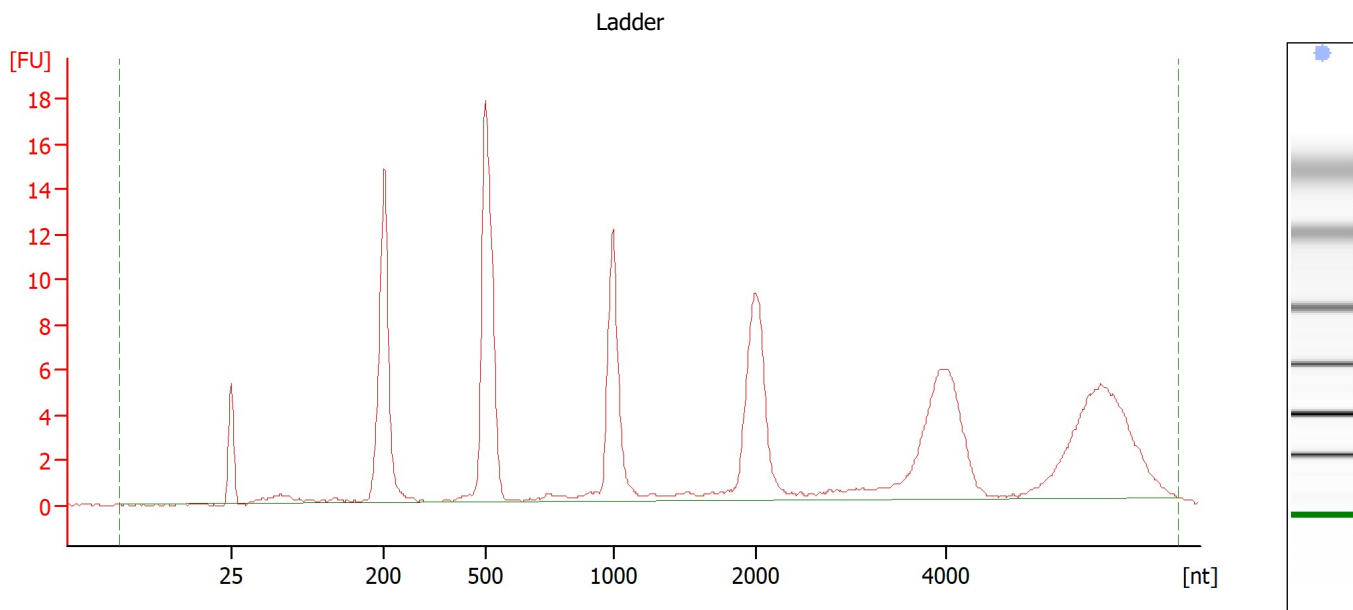
Ladder

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_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary



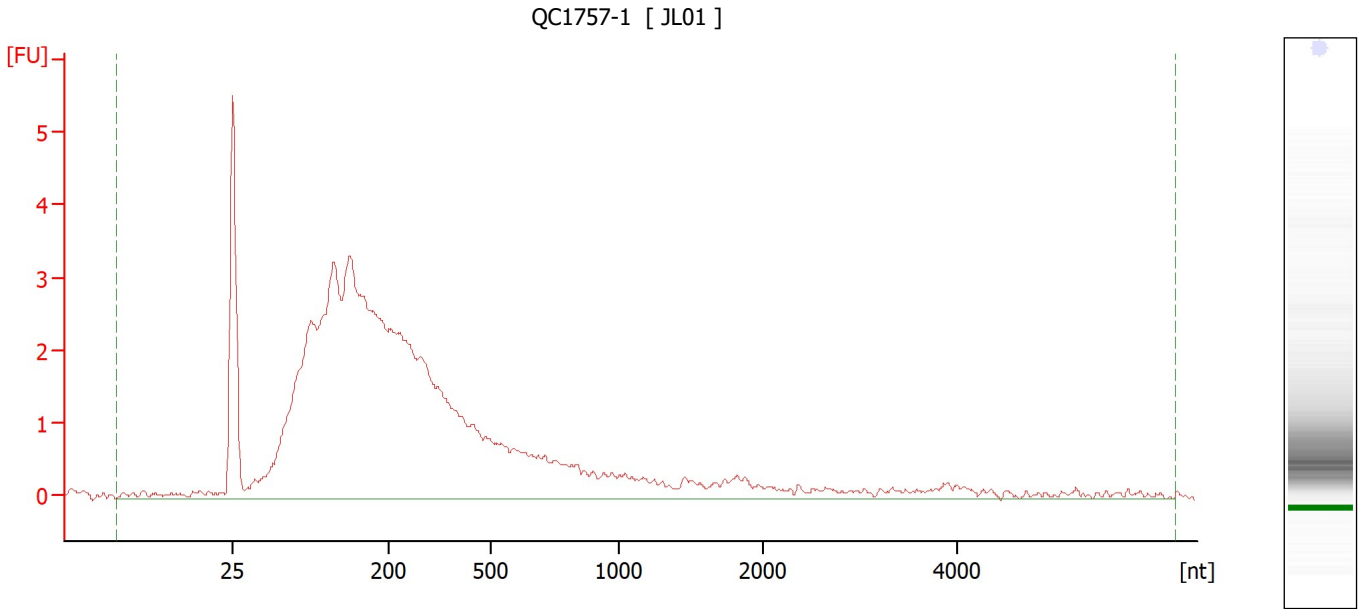
Overall Results for Ladder

RNA Area:	143.9	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_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



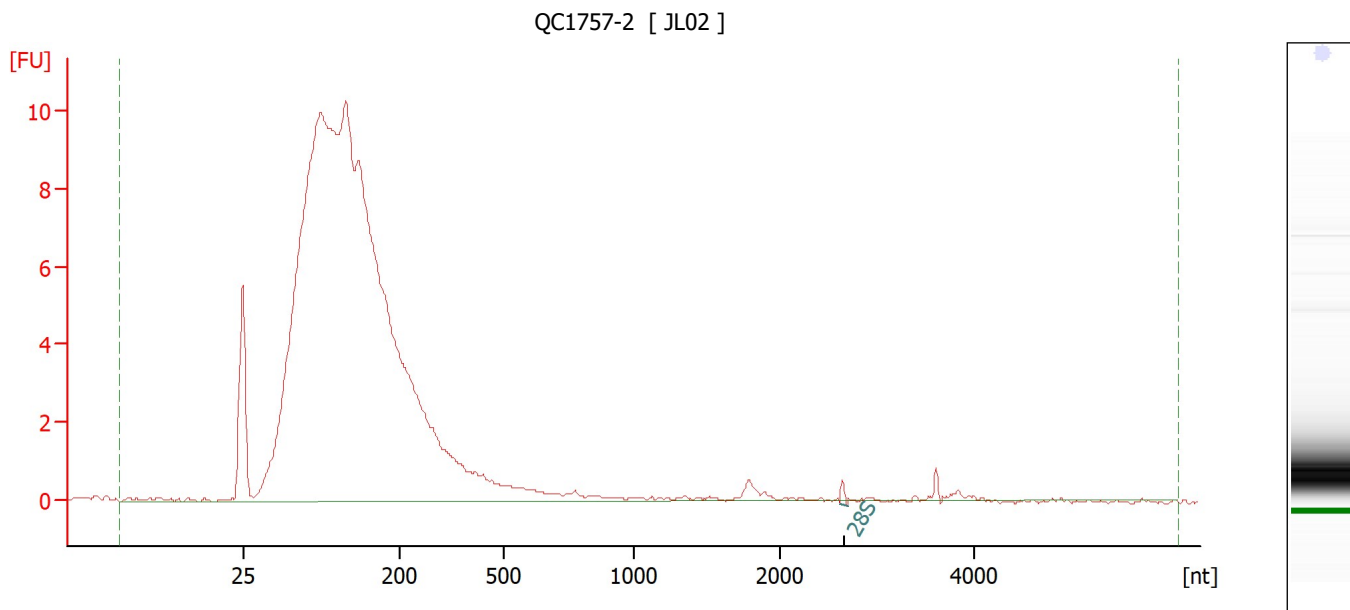
Overall Results for sample 1 : QC1757-1

RNA Area:	80.1	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	83 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1757-2

RNA Area:	170.1	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	177 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

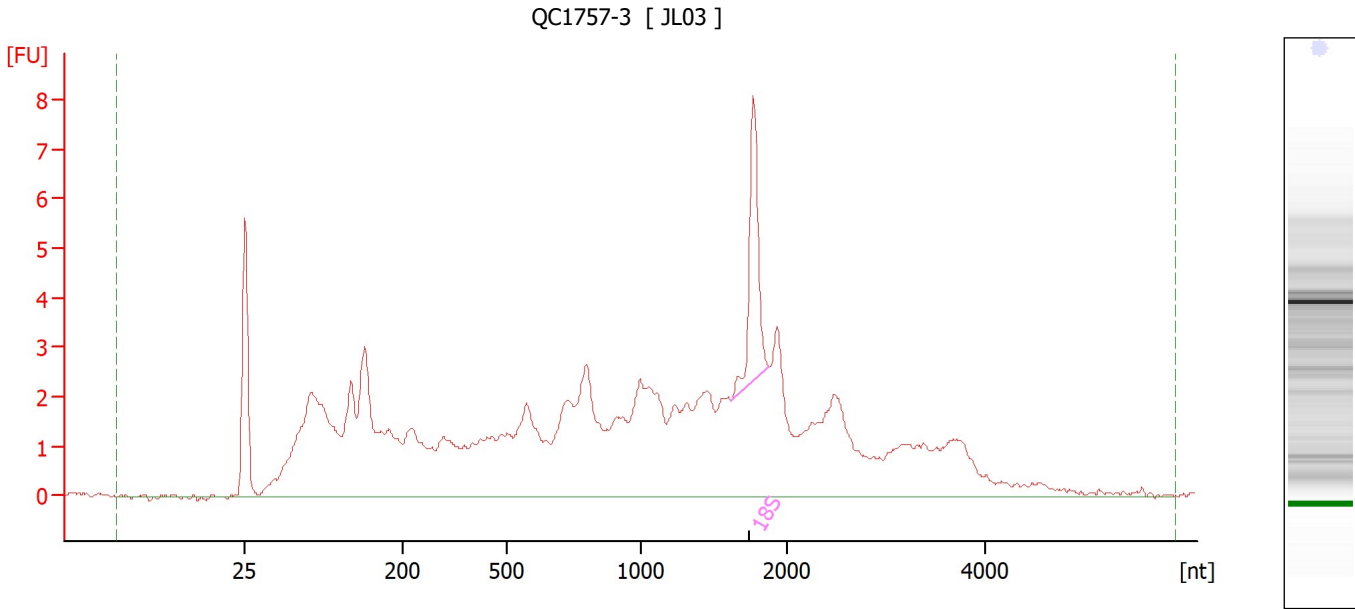
Fragment table for sample 2 : QC1757-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,612	2,700	0.3	0.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1757-3

RNA Area:	128.1	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	134 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.80

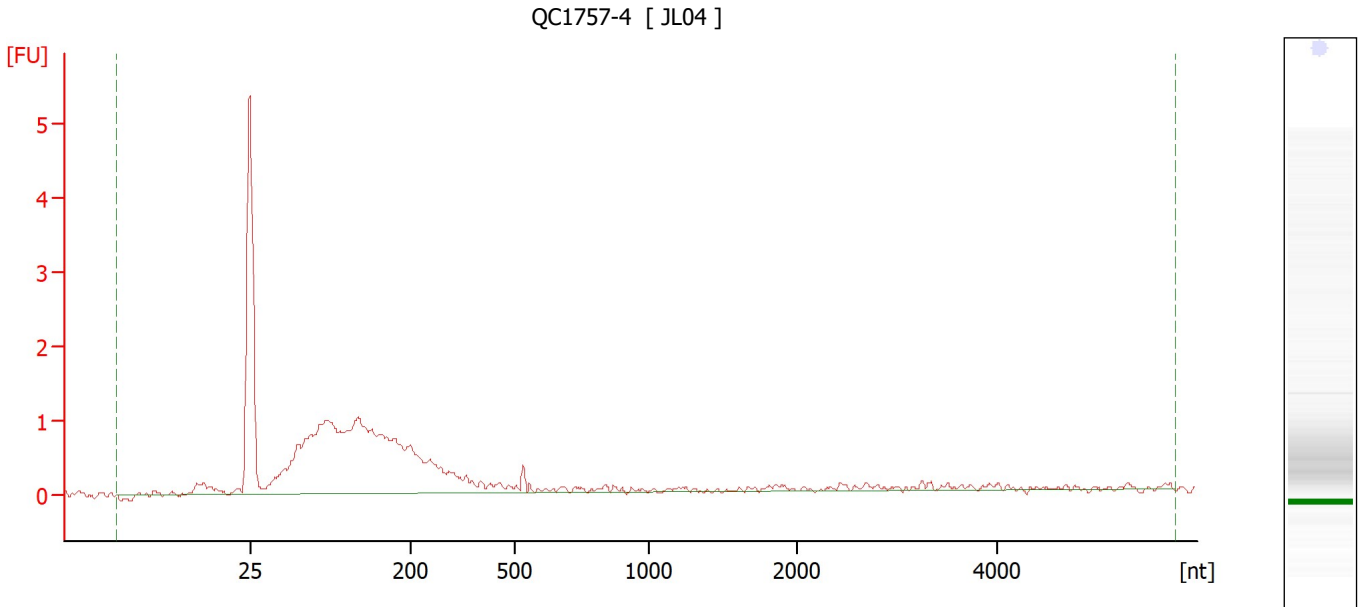
Fragment table for sample 3 : QC1757-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,621	1,884	5.4	4.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



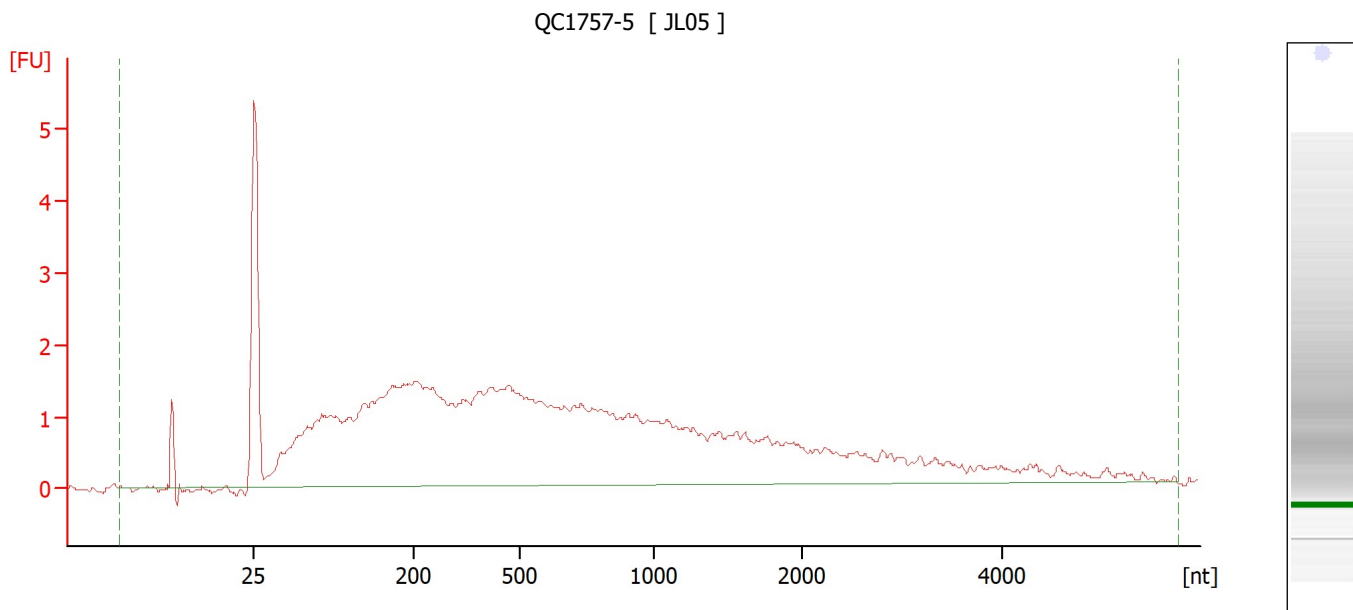
Overall Results for sample 4 : QC1757-4

RNA Area:	21.6	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



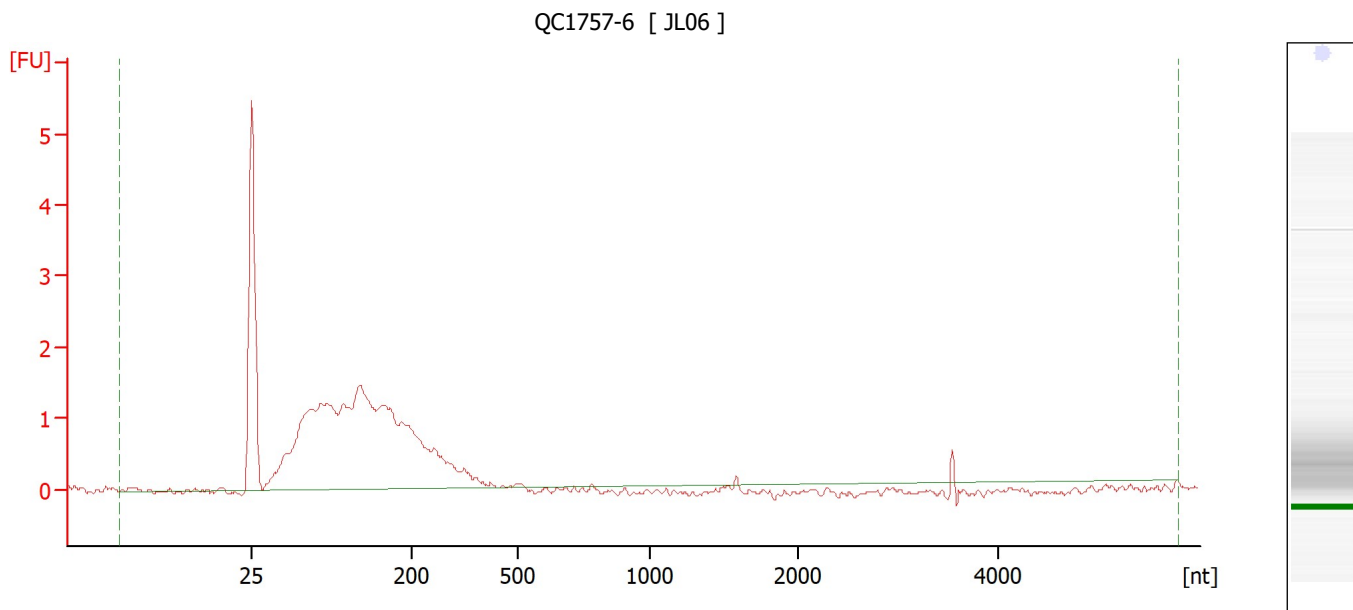
Overall Results for sample 5 : QC1757-5

RNA Area:	72.9	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	76 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



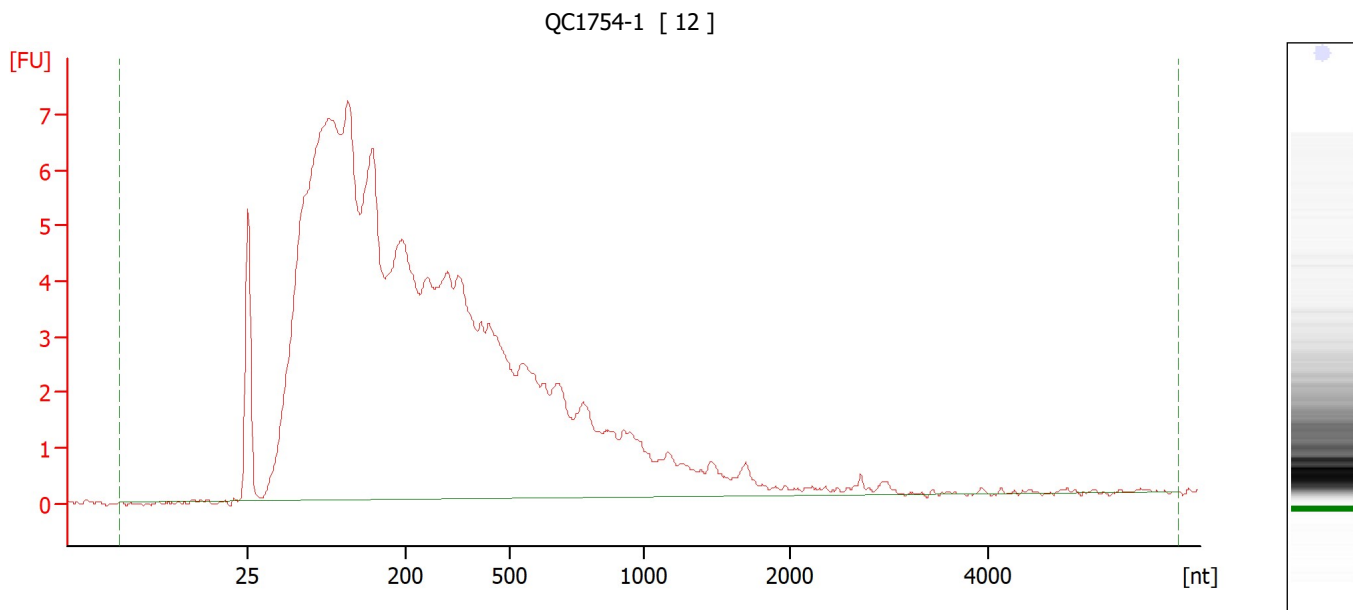
Overall Results for sample 6 : QC1757-6

RNA Area:	26.4	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



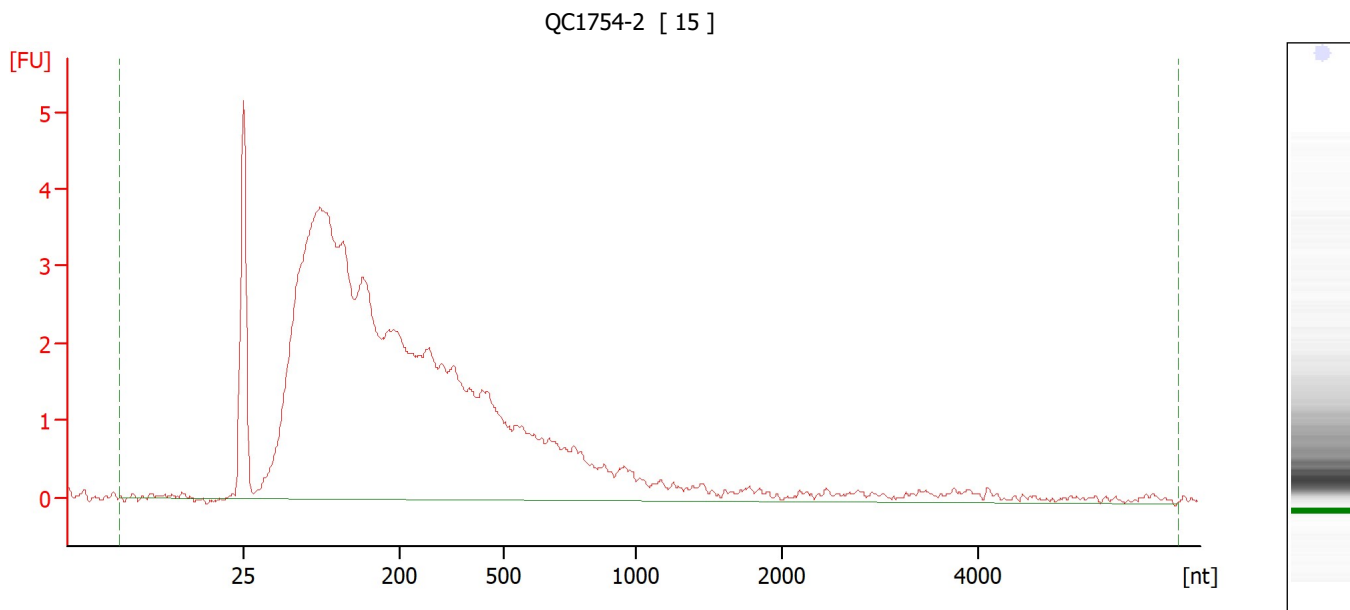
Overall Results for sample 7 : QC1754-1

RNA Area:	188.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	196 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



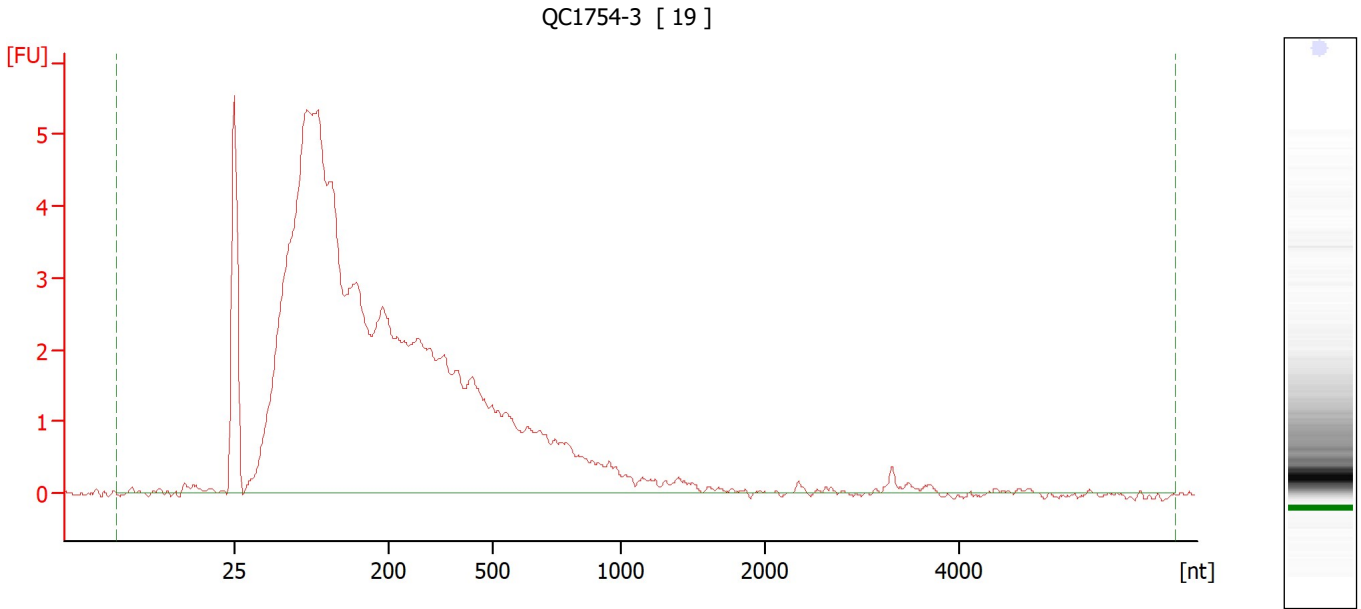
Overall Results for sample 8 : QC1754-2

RNA Area:	91.8	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	96 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



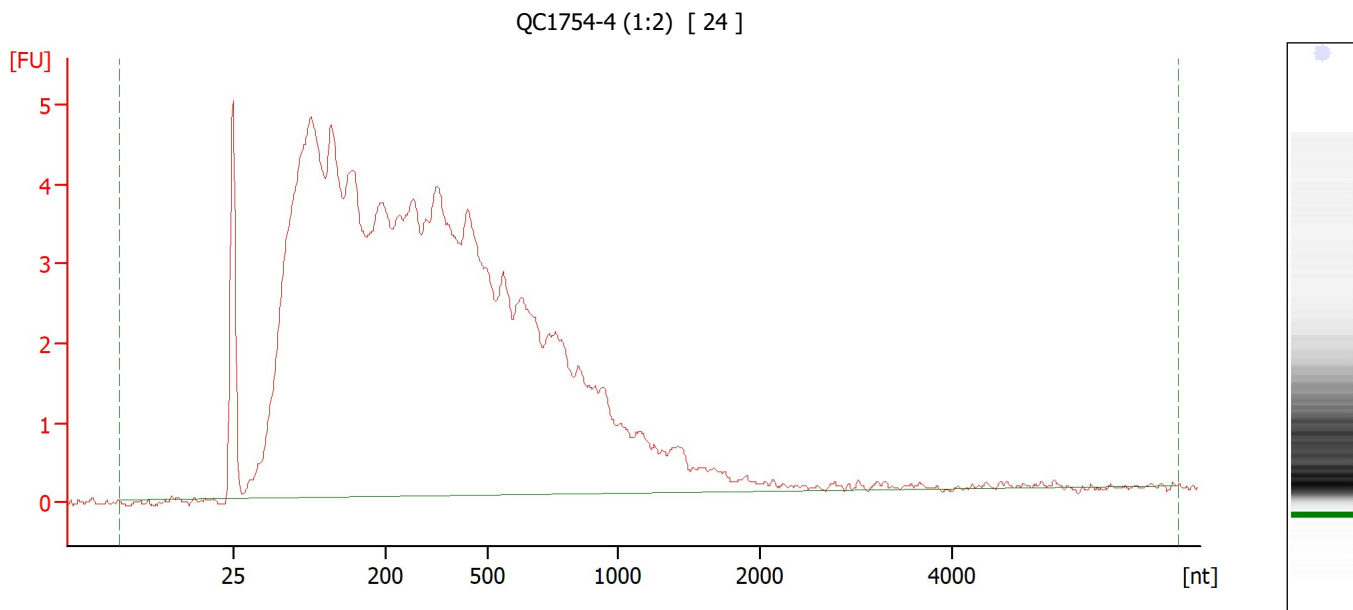
Overall Results for sample 9 : QC1754-3

RNA Area:	106.3	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	111 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



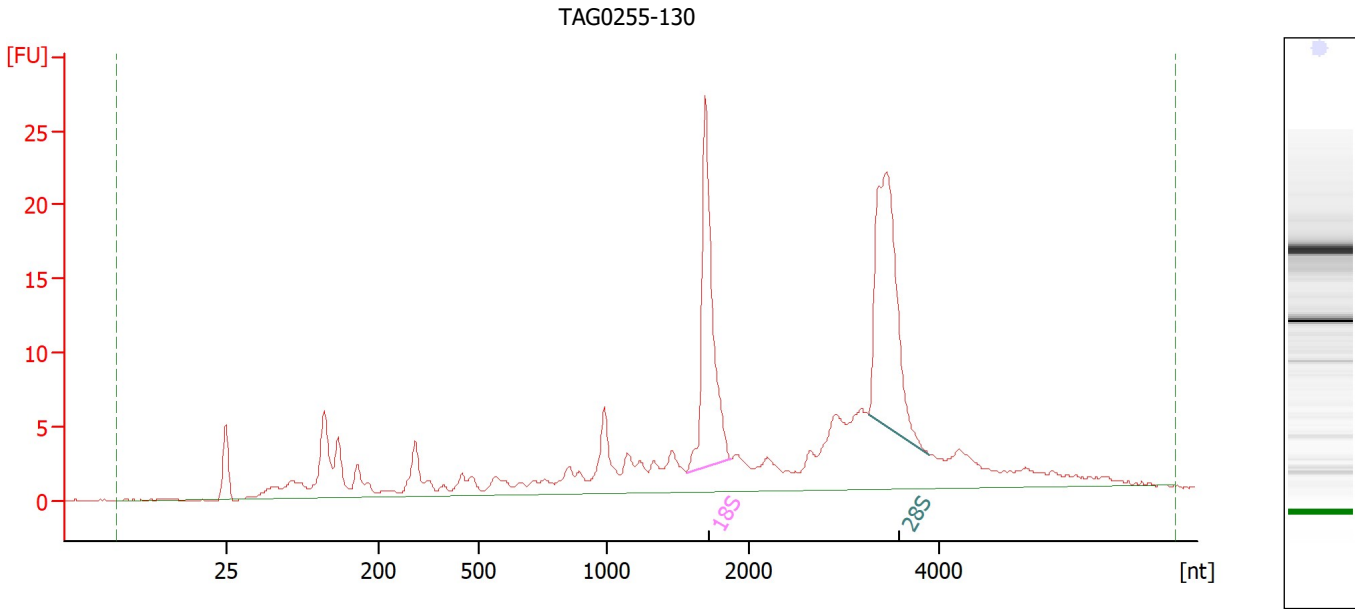
Overall Results for sample 10 : QC1754-4 (1:2)

RNA Area:	154.9	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	161 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TAG0255-130

RNA Area:	217.0	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	226 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.60

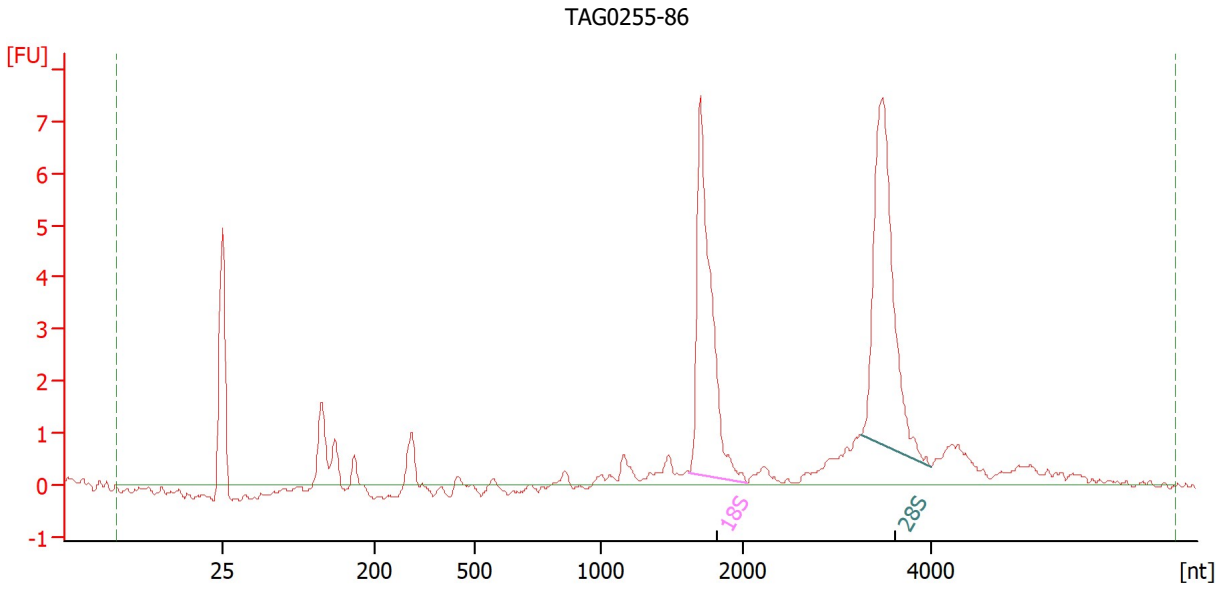
Fragment table for sample 11 : TAG0255-130

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,562	1,871	29.3	13.5
28S	3,256	3,895	35.3	16.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : TAG0255-86

RNA Area:	44.4	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN:9

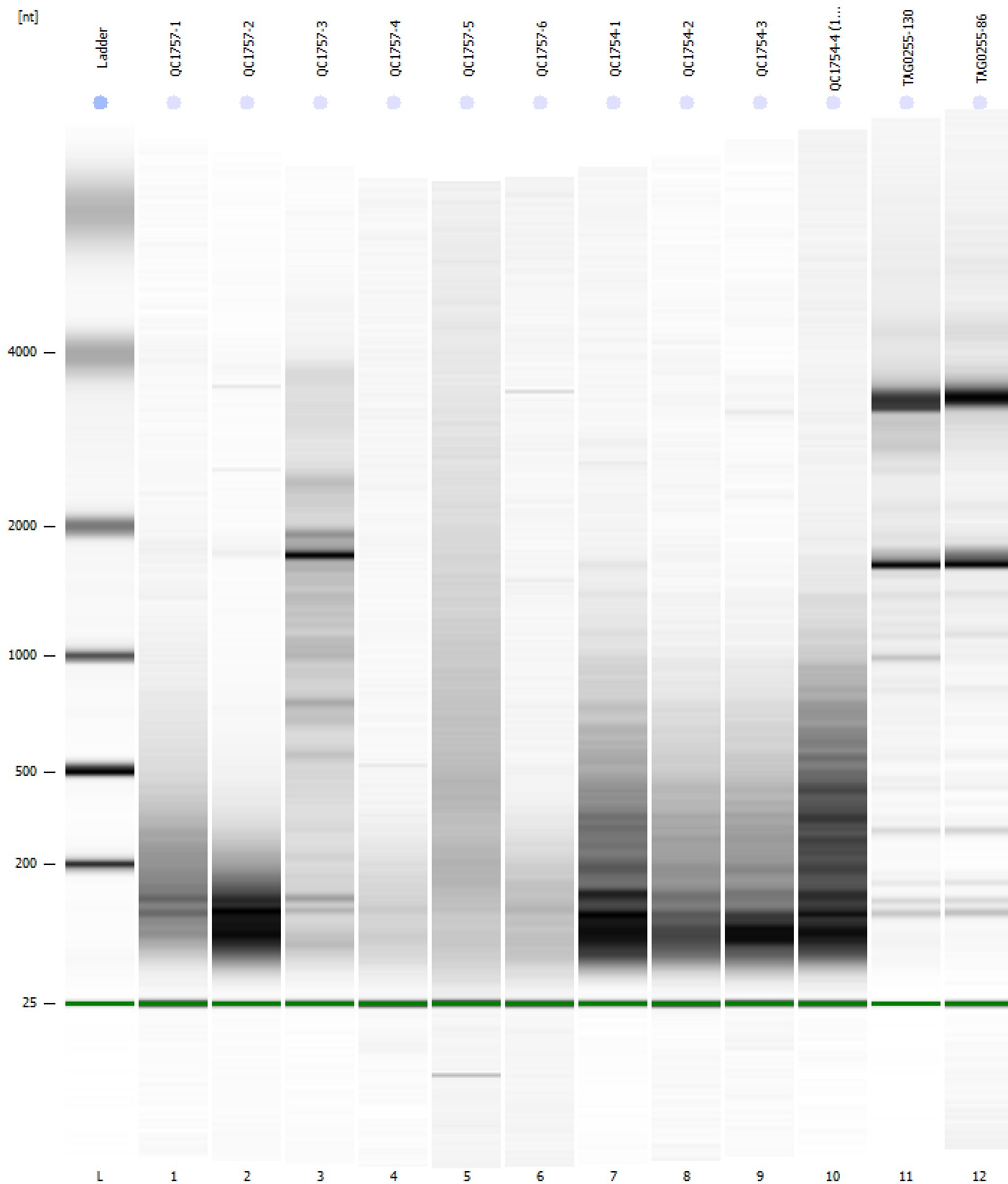
Fragment table for sample 12 : TAG0255-86

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,627	2,056	11.6	26.0
28S	3,263	3,986	12.5	28.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Gel Image

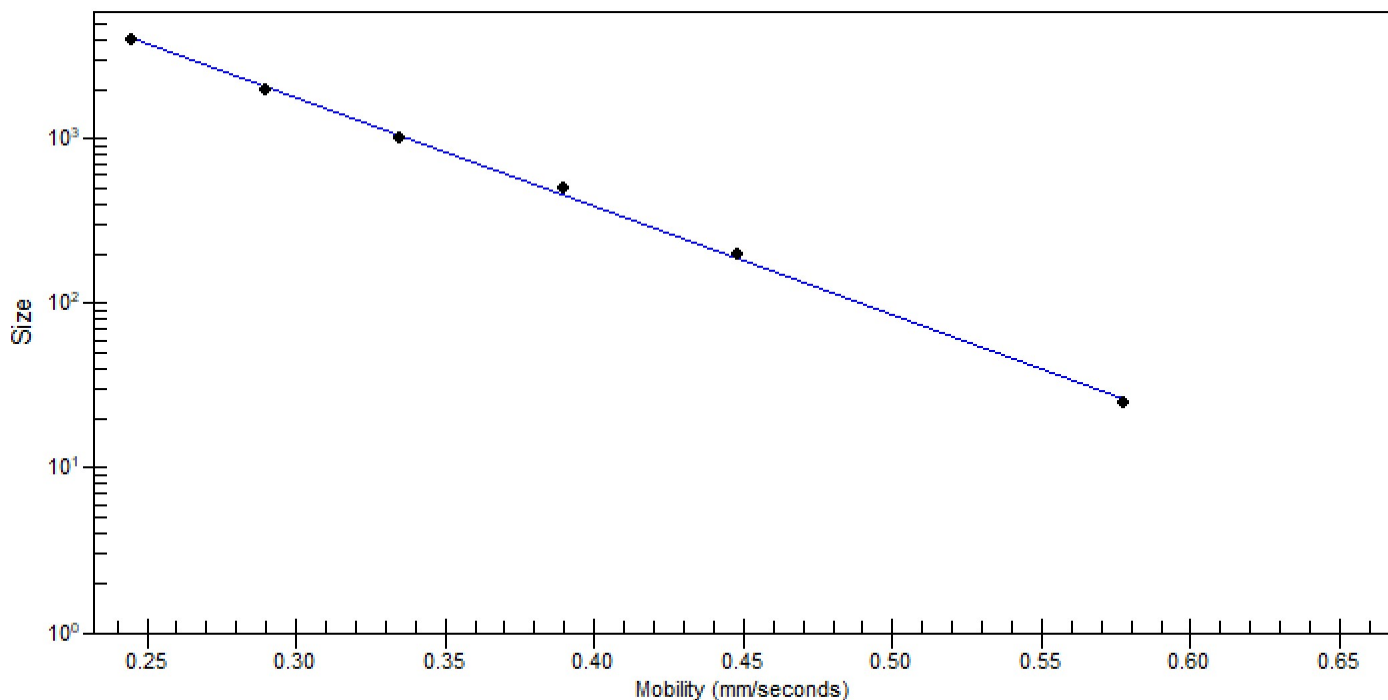


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
Modified: 2/22/2024 1:04:42 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad

Created: 2/22/2024 12:24:20 PM
 Modified: 2/22/2024 1:04:42 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		2/22/2024 12:48:13 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-02-22\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-02-22_001.xad)		Instrument	Run		2/22/2024 12:24:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/22/2024 12:24:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/22/2024 12:24:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/22/2024 12:24:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/22/2024 12:24:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/22/2024 12:24:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/22/2024 12:24:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB