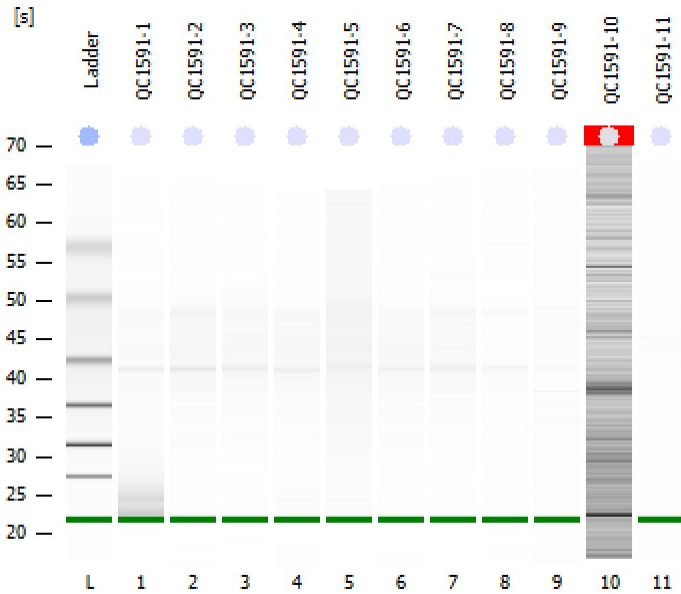


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
Modified: 8/29/2023 4:08:33 PM

Electrophoresis File Run Summary



Instrument Information:

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

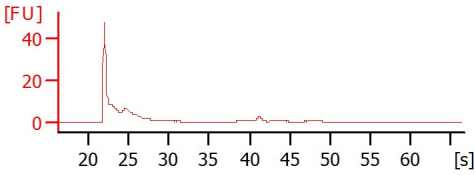
Assay Information:

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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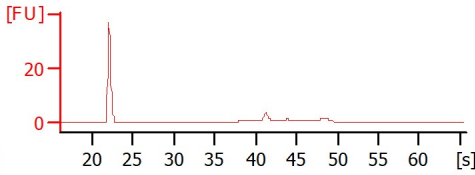
Chip Information:

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

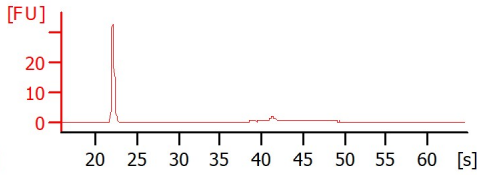
QC1591-1
R4_1CC
RIN: 2.40



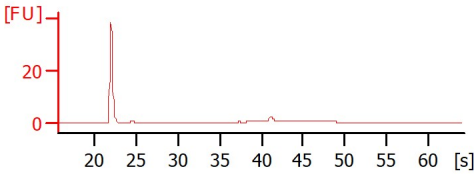
QC1591-2
R4_1CA
RIN: 6.30



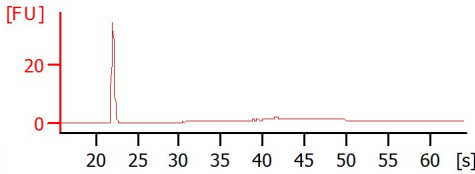
QC1591-3
R4_2CC
RIN: 4.80



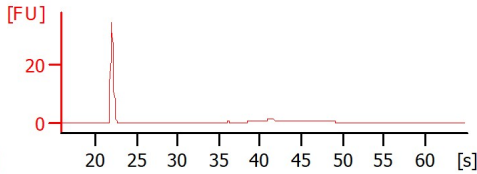
QC1591-4
R4_2CA
RIN: 4.30



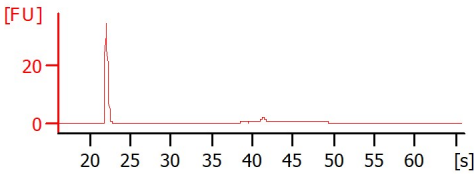
QC1591-5
R4_4CC
RIN: 3.60



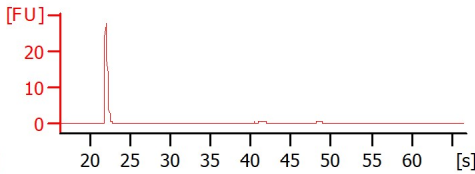
QC1591-6
R4_4CA
RIN: 4.20



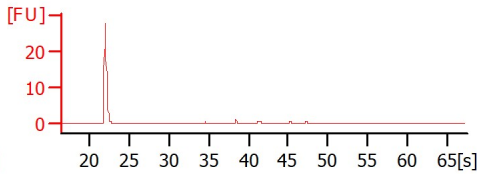
QC1591-7
R7_1CC
RIN: 5.30



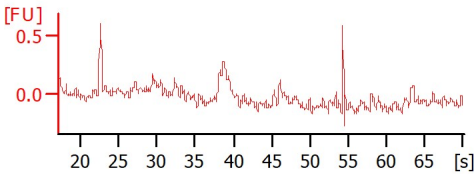
QC1591-8
R7_1CA
RIN: 6.30



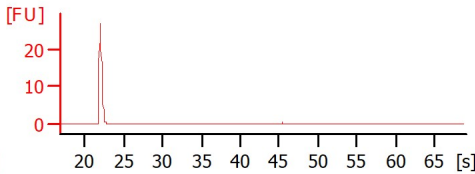
QC1591-9
R7_2CC
RIN: 6.70



QC1591-10
R7_2CA
RIN N/A



QC1591-11
R7_4CC
RIN: 1



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1591-1	R4_1CC	✓	RIN: 2.40	
QC1591-2	R4_1CA	✓	RIN: 6.30	
QC1591-3	R4_2CC	✓	RIN: 4.80	
QC1591-4	R4_2CA	✓	RIN: 4.30	
QC1591-5	R4_4CC	✓	RIN: 3.60	
QC1591-6	R4_4CA	✓	RIN: 4.20	
QC1591-7	R7_1CC	✓	RIN: 5.30	
QC1591-8	R7_1CA	✓	RIN: 6.30	
QC1591-9	R7_2CC	✓	RIN: 6.70	
QC1591-10	R7_2CA	✓	RIN N/A	
QC1591-11	R7_4CC	✓	RIN:1	
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_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 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

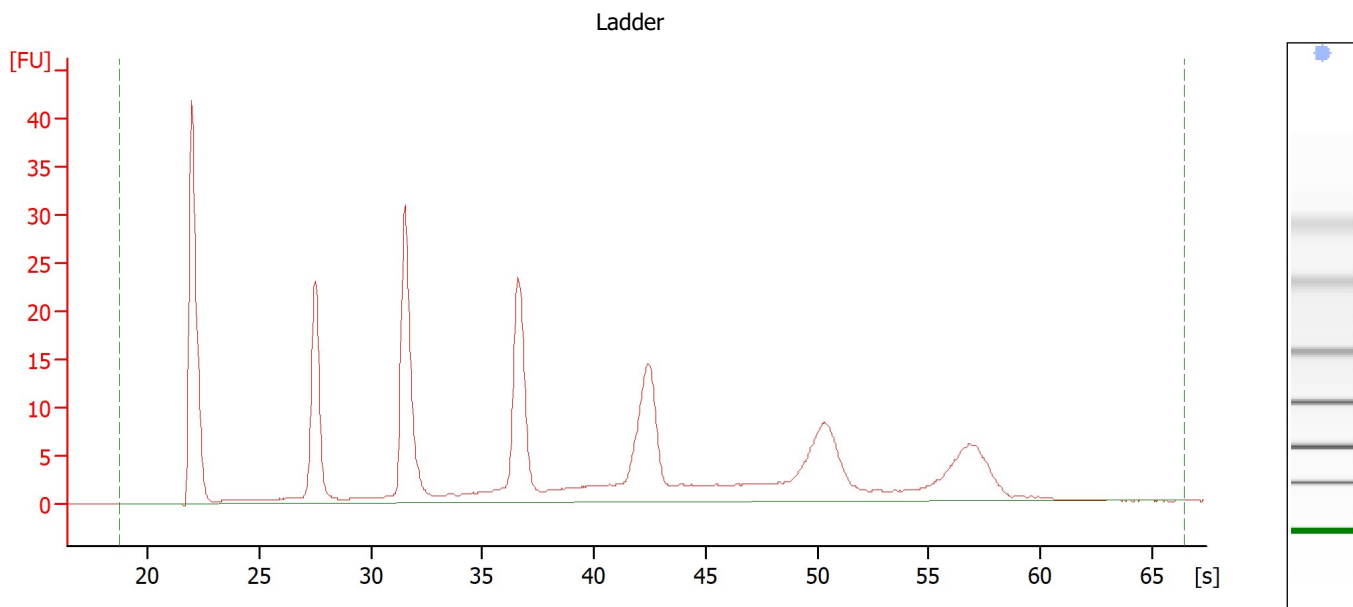
Ladder

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_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary



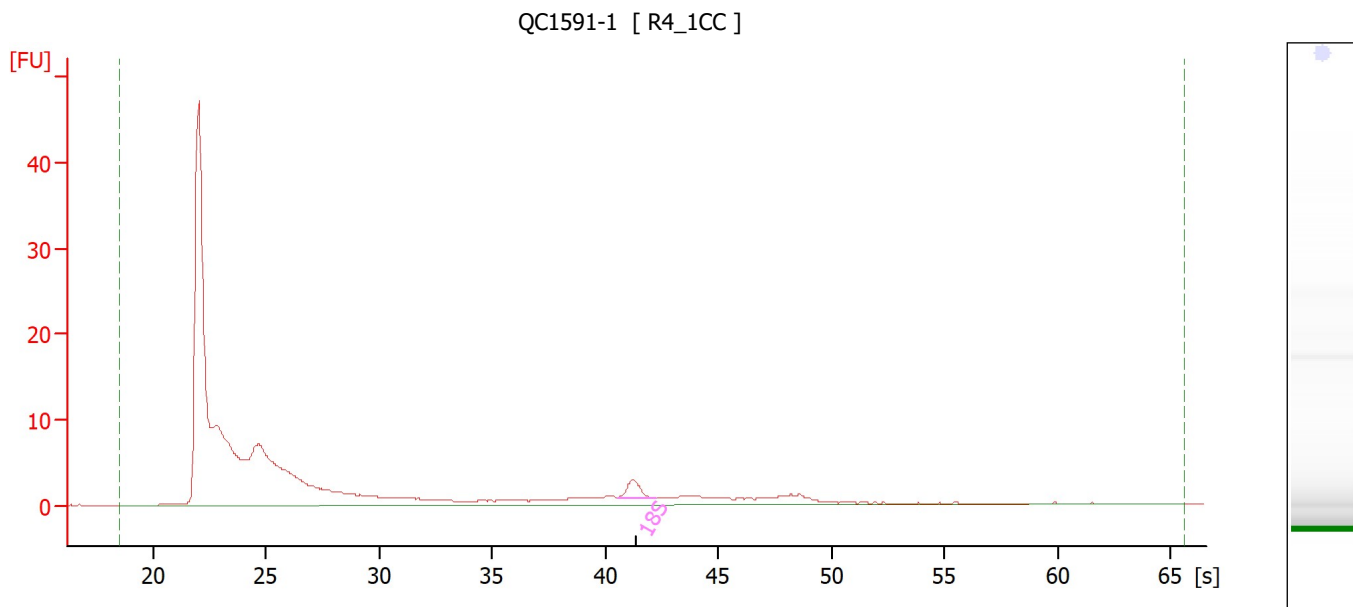
Overall Results for Ladder

RNA Area:	272.9	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_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC1591-1

RNA Area:	111.6	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	409 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

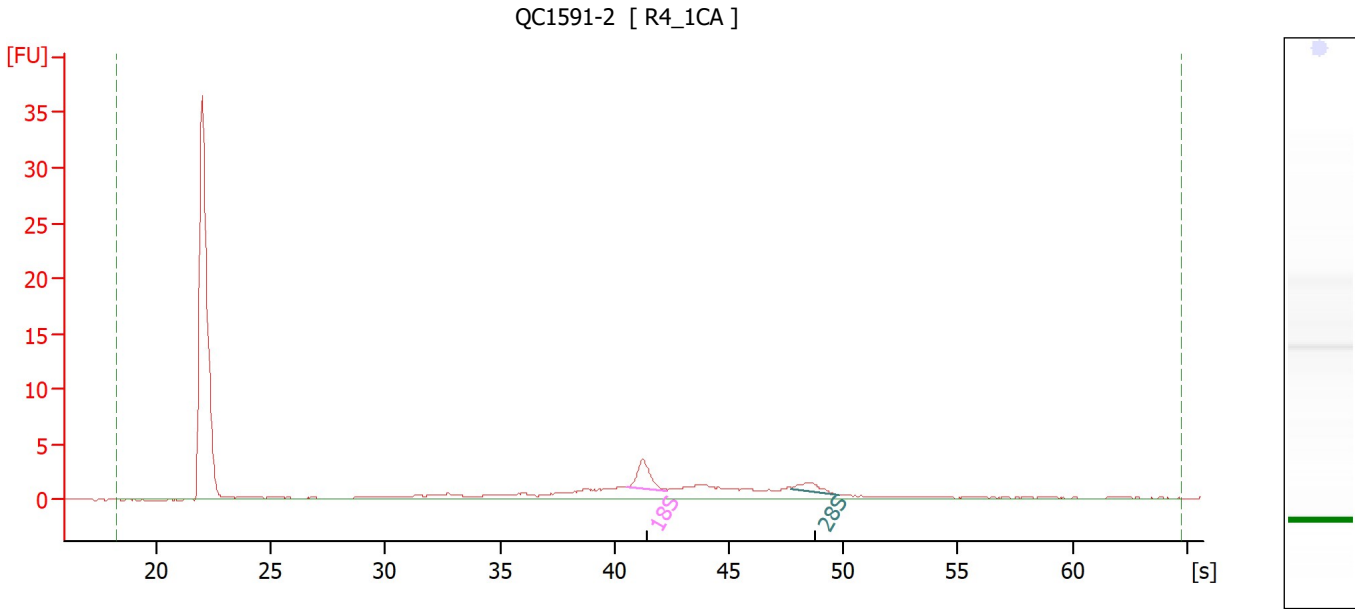
Fragment table for sample 1 : QC1591-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	1,962	3.5	3.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1591-2

RNA Area:	39.7	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	145 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.30

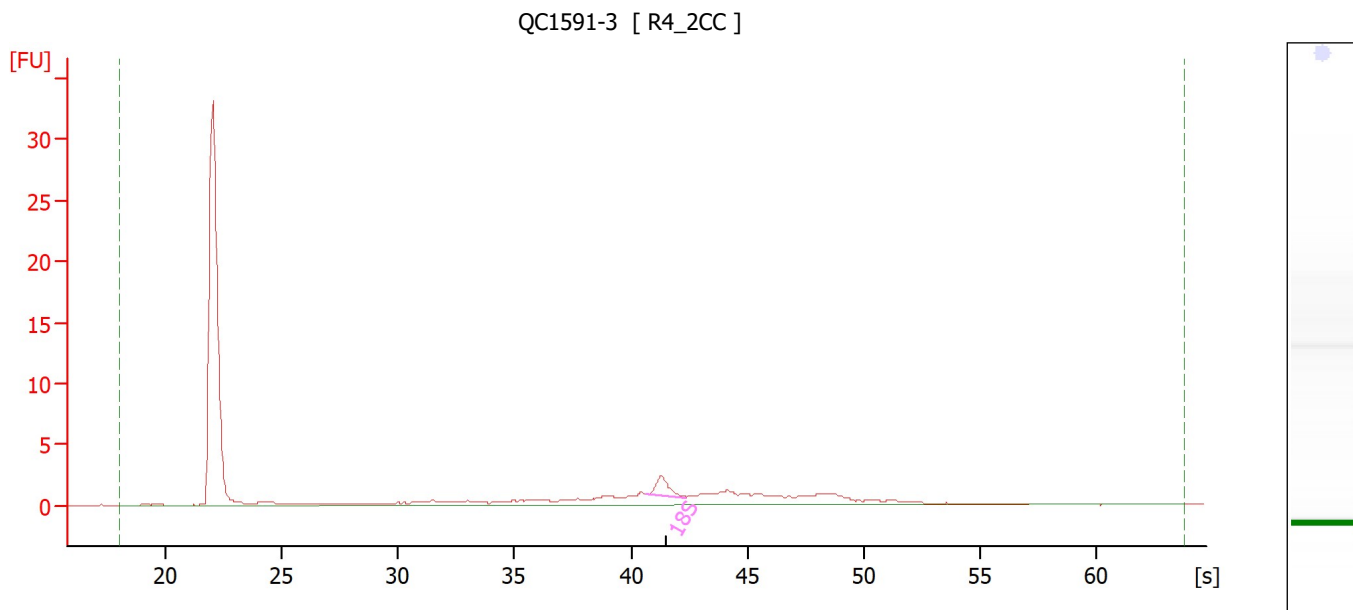
Fragment table for sample 2 : QC1591-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	1,974	4.0	10.0
28S	3,340	3,851	1.6	4.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1591-3

RNA Area:	39.8	RNA Integrity Number (RIN):	4.8 (B.02.10)
RNA Concentration:	146 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.80

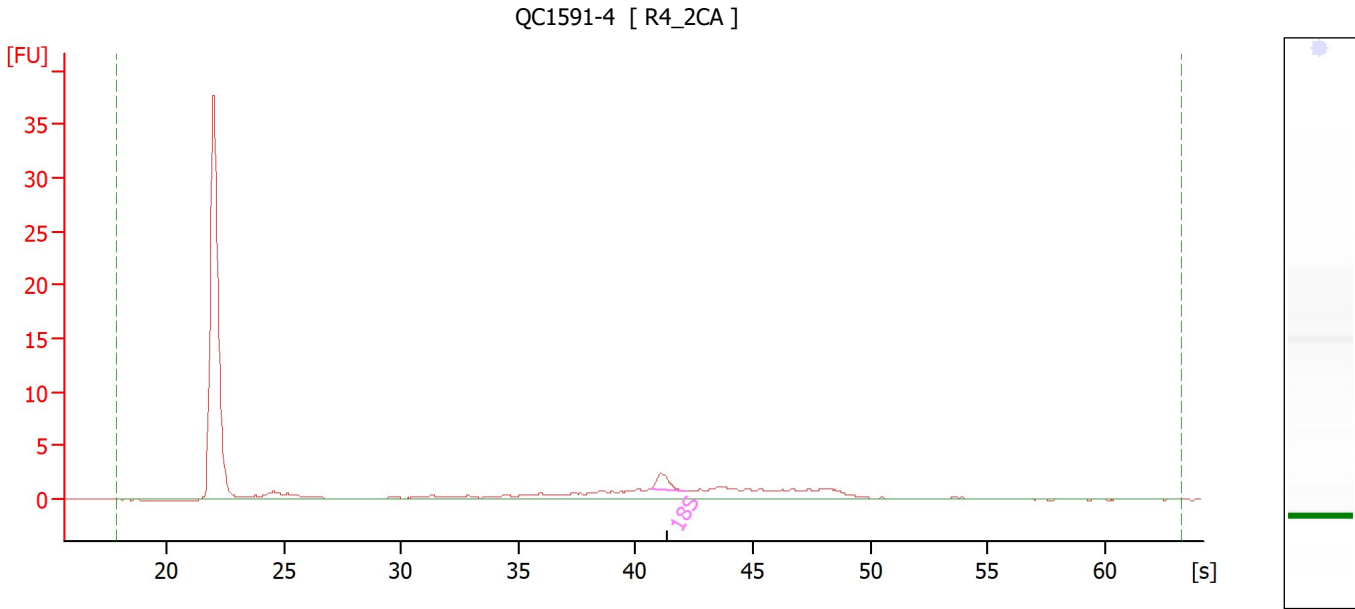
Fragment table for sample 3 : QC1591-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,693	1,986	2.3	5.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1591-4

RNA Area:	42.1	RNA Integrity Number (RIN):	4.3 (B.02.10)
RNA Concentration:	154 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.30

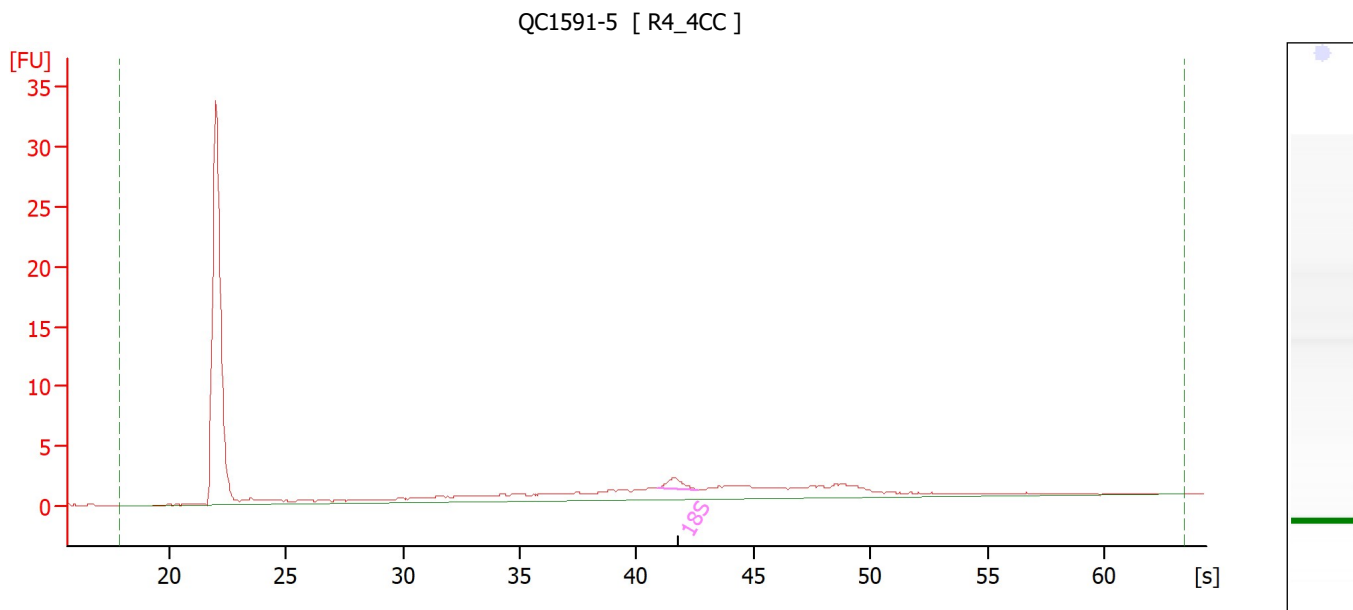
Fragment table for sample 4 : QC1591-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	1,941	2.3	5.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1591-5

RNA Area:	49.0	RNA Integrity Number (RIN):	3.6 (B.02.10)
RNA Concentration:	179 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

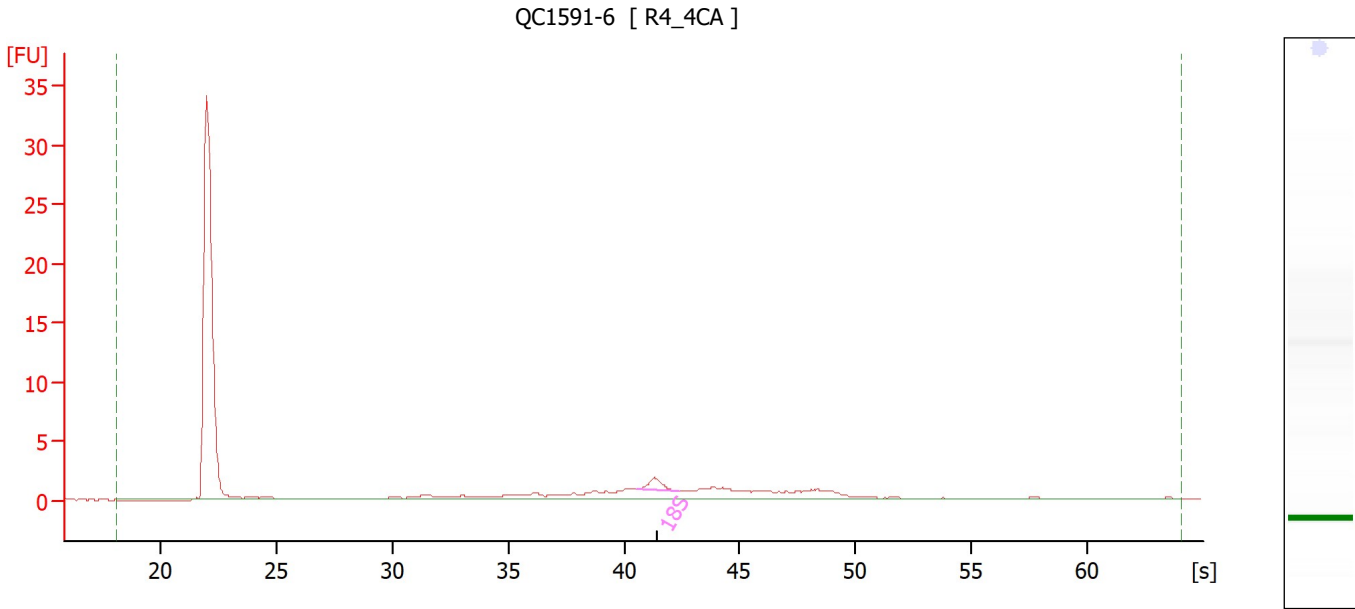
Fragment table for sample 5 : QC1591-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	2,029	1.7	3.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1591-6

RNA Area:	33.6	RNA Integrity Number (RIN):	4.2 (B.02.10)
RNA Concentration:	123 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.20

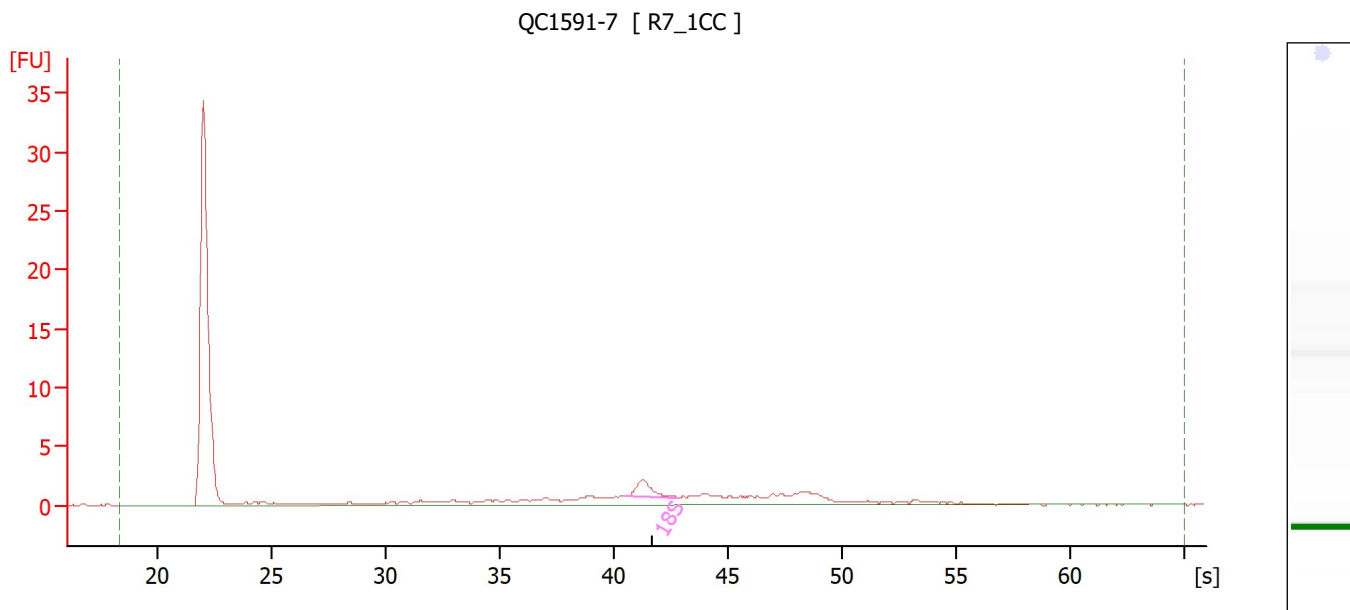
Fragment table for sample 6 : QC1591-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,674	1,977	1.8	5.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1591-7

RNA Area:	37.1	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	136 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.30

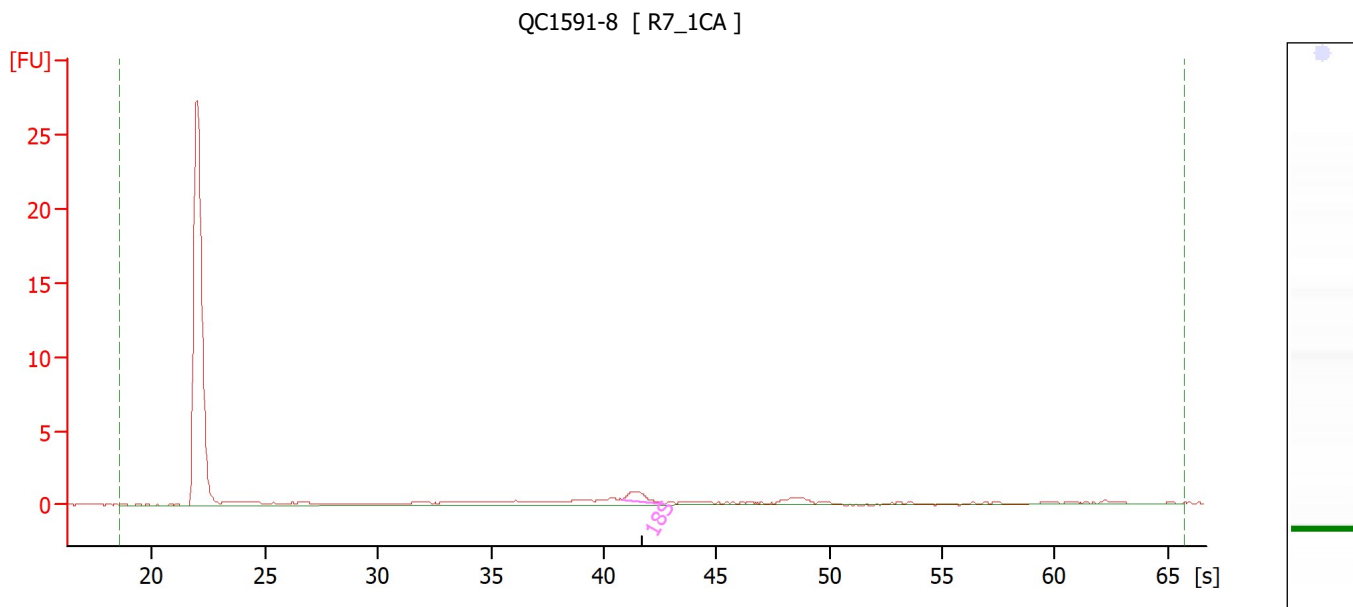
Fragment table for sample 7 : QC1591-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	2,103	2.8	7.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1591-8

RNA Area:	12.3	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	45 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.30

Fragment table for sample 8 : QC1591-8

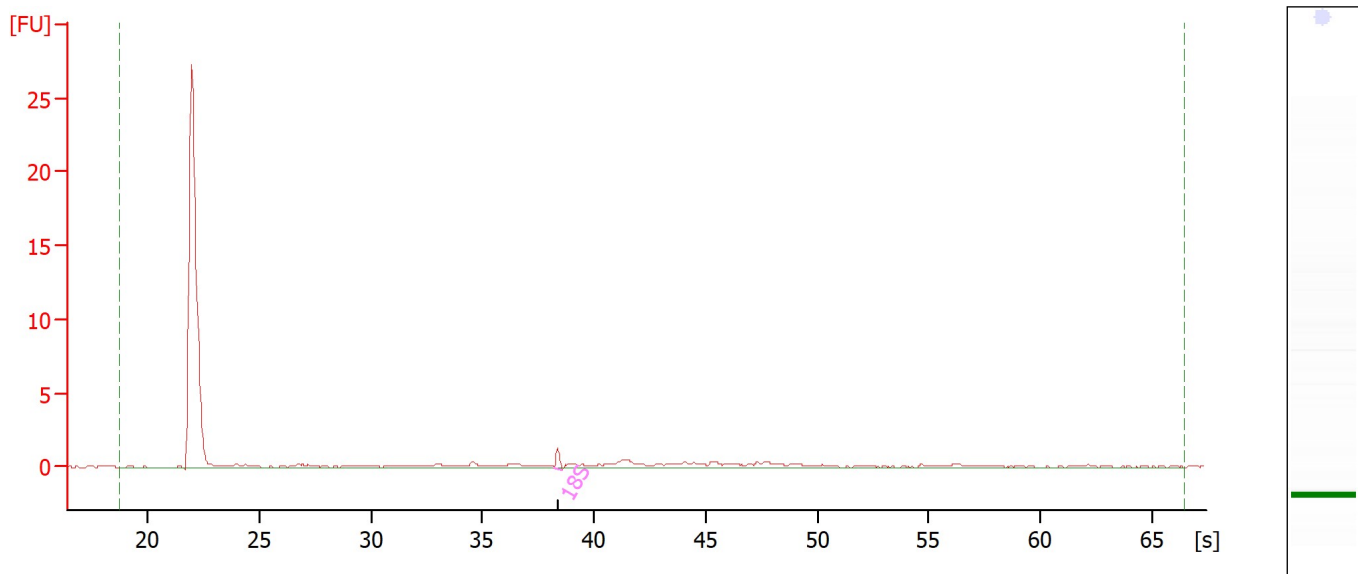
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,064	1.4	11.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...

QC1591-9 [R7_2CC]



Overall Results for sample 9 : QC1591-9

RNA Area:	12.9	RNA Integrity Number (RIN):	6.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	47 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.70

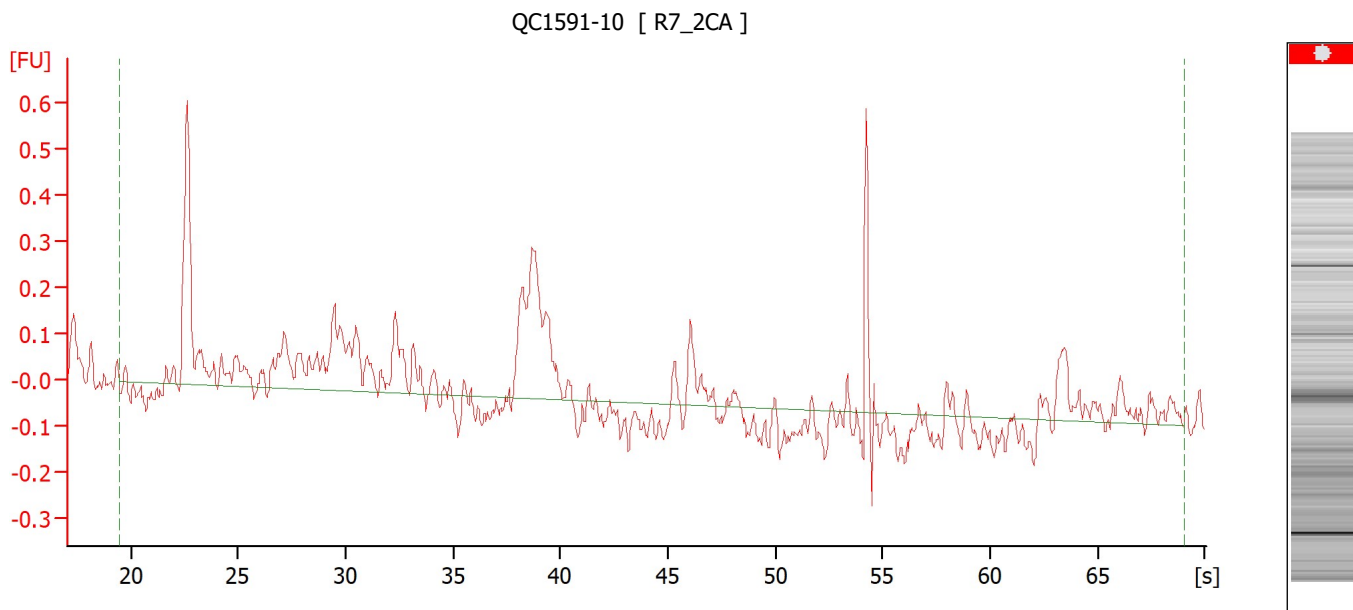
Fragment table for sample 9 : QC1591-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,272	1,338	0.7	5.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



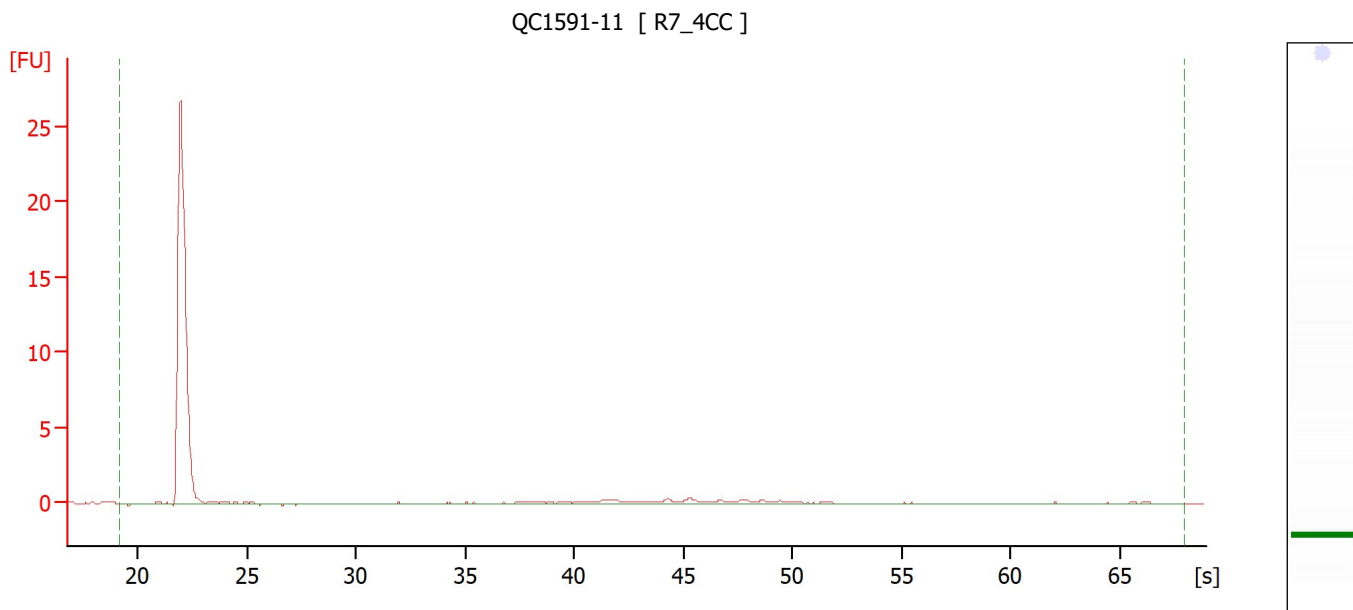
Overall Results for sample 10 : QC1591-10

RNA Concentration:	19 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
Modified: 8/29/2023 4:08:33 PM

Electropherogram Summary Continued ...



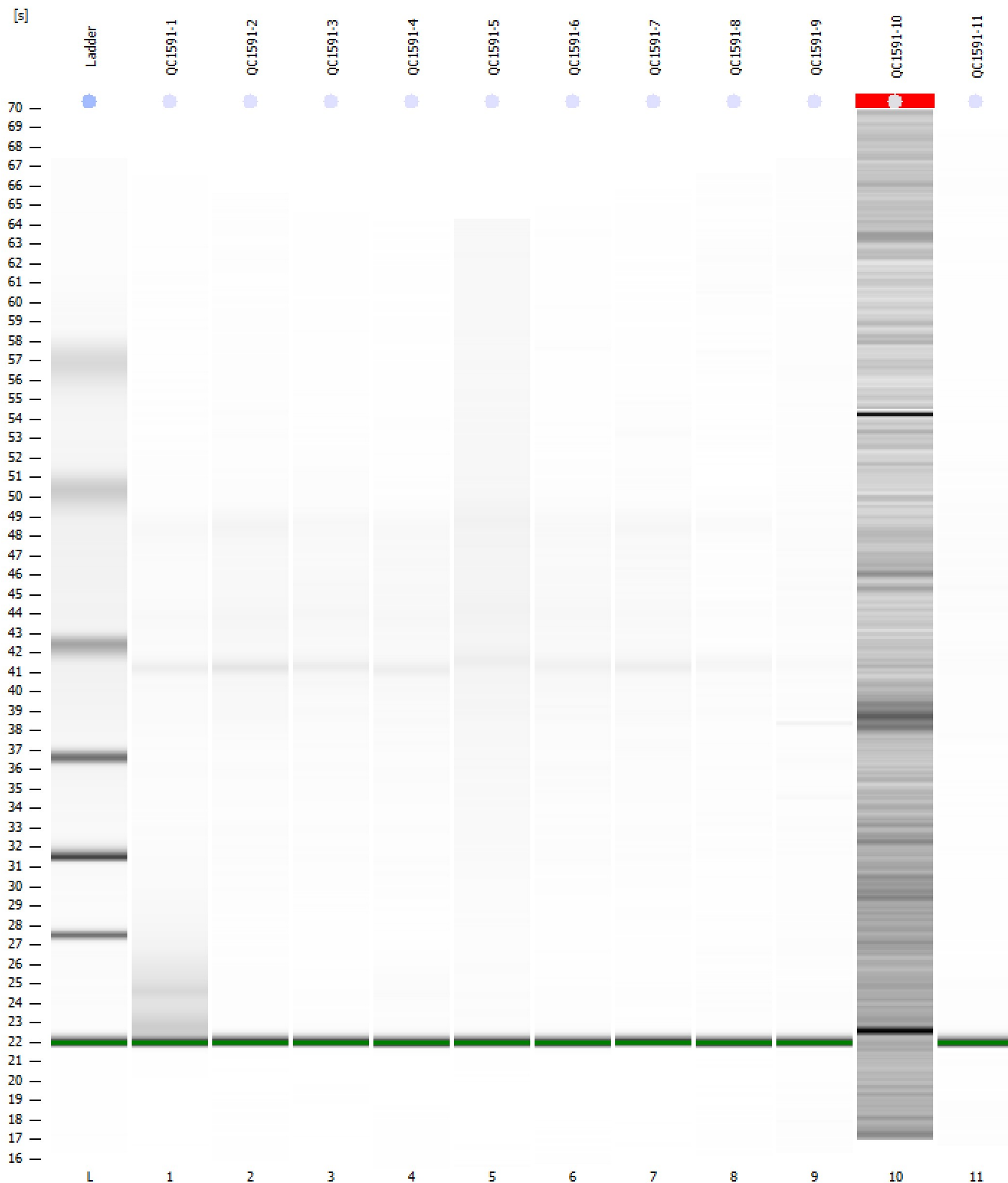
Overall Results for sample 11 : QC1591-11

RNA Area:	6.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	24 pg/ μ l	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_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
Modified: 8/29/2023 4:08:33 PM

Gel Image

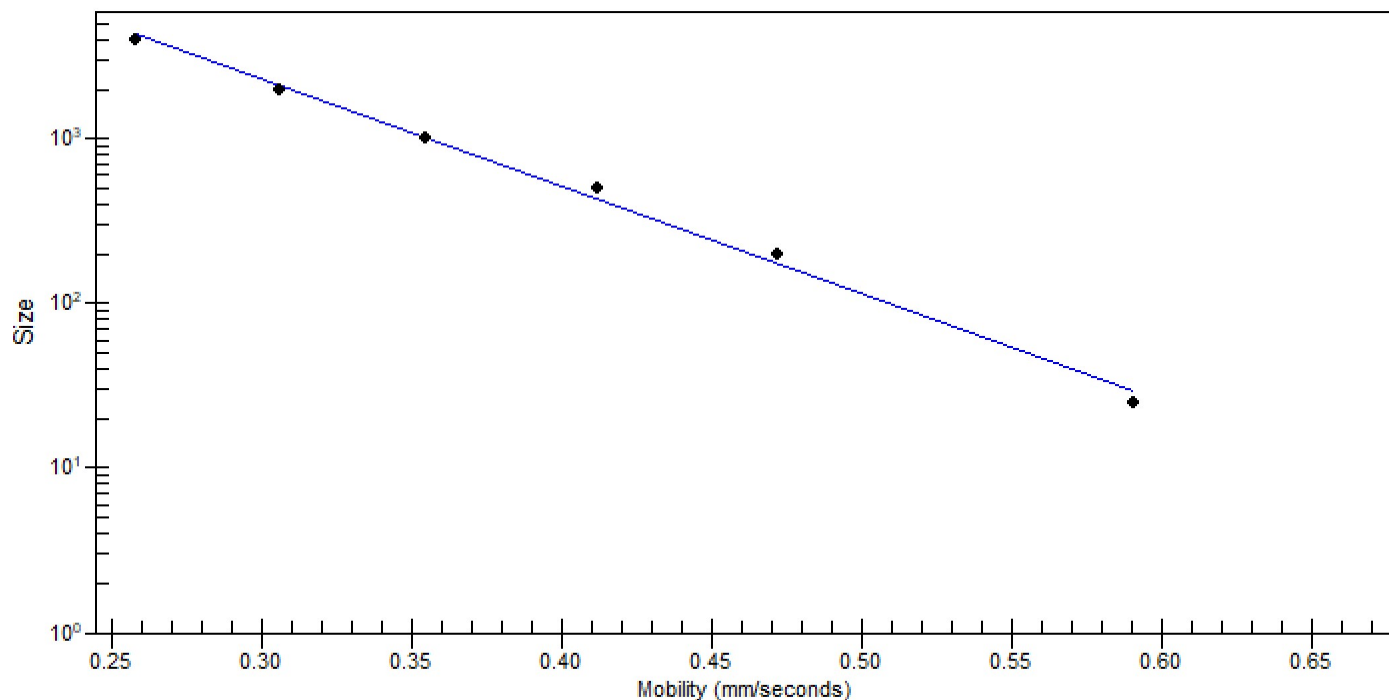


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad

Created: 8/29/2023 3:26:52 PM
Modified: 8/29/2023 4:08:33 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad
 Created: 8/29/2023 3:26:52 PM
 Modified: 8/29/2023 4:08:33 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		8/29/2023 3:49:48 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\2023-08-29\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-08-29_001.xad)		Instrument	Run		8/29/2023 3:26:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/29/2023 3:26:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/29/2023 3:26:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/29/2023 3:26:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/29/2023 3:26:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/29/2023 3:26:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/29/2023 3:26:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB