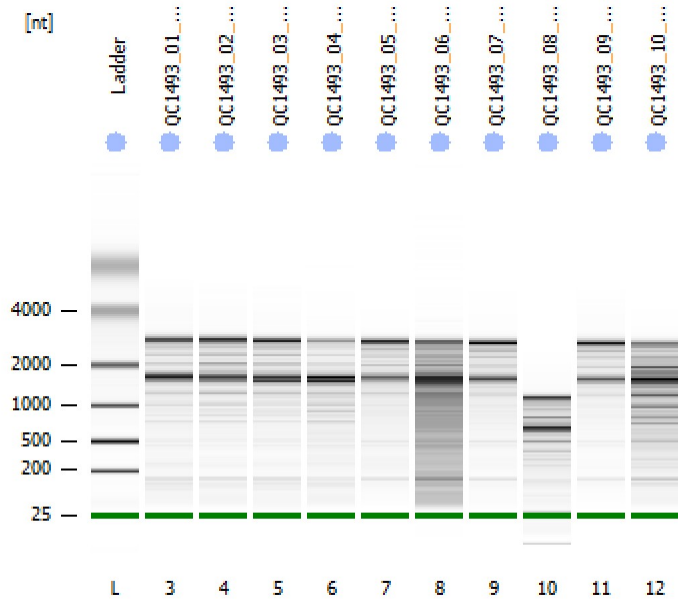


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
Modified: 5/25/2023 9:54:11 AM

Electrophoresis File Run Summary



Instrument Information:

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

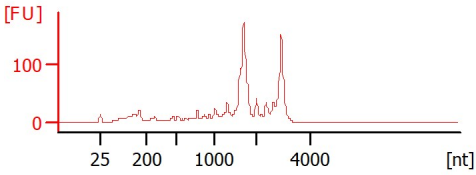
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\DV200 RNA Nano.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
Modified for DV200 Analysis

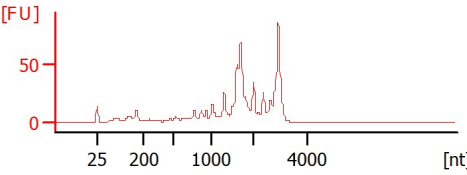
Chip Information:

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

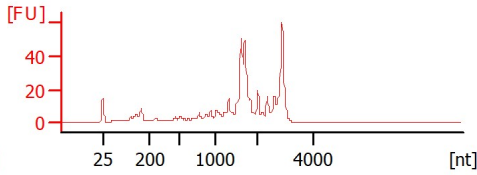
QC1493_01_BWF1_Sturgeon_totalRNA
RIN: 7.50



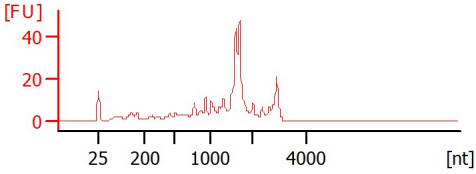
QC1493_02_BWF2_Sturgeon_totalRNA
RIN: 7.60



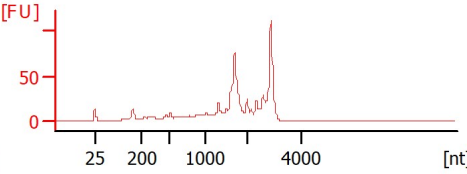
QC1493_03_MWF1_Sturgeon_totalRNA
RIN: 5.70



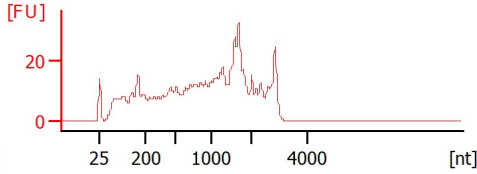
QC1493_04_MWF2_Sturgeon_totalRNA
RIN: 4.70



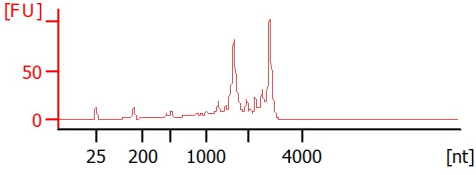
QC1493_05_EWF1_Sturgeon_totalRNA
RIN: 7.70



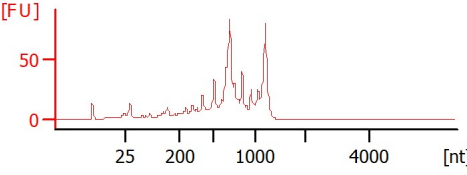
QC1493_06_EWF2_Sturgeon_totalRNA
RIN: 5.30



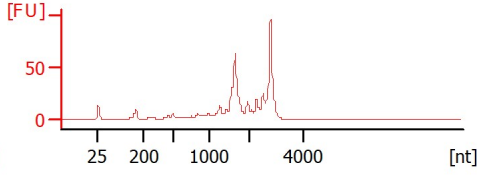
QC1493_07_IWF1_Sturgeon_totalRNA
RIN: 7.50



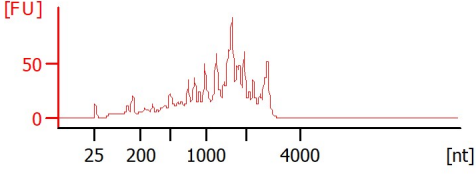
QC1493_08_IWF2_Sturgeon_totalRNA
RIN: 7



QC1493_09_AWF1_Sturgeon_totalRNA
RIN: 8.10














QC1493_10_AWF2_Sturgeon_totalRNA
RIN: 5.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1493_01_BWF1_Sturgeon_totalRNA		✓	RIN: 7.50	
QC1493_02_BWF2_Sturgeon_totalRNA		✓	RIN: 7.60	
QC1493_03_MWF1_Sturgeon_totalRNA		✓	RIN: 5.70	
QC1493_04_MWF2_Sturgeon_totalRNA		✓	RIN: 4.70	
QC1493_05_EWF1_Sturgeon_totalRNA		✓	RIN: 7.70	
QC1493_06_EWF2_Sturgeon_totalRNA		✓	RIN: 5.30	
QC1493_07_IWF1_Sturgeon_totalRNA		✓	RIN: 7.50	
QC1493_08_IWF2_Sturgeon_totalRNA		✓	RIN: 7	
QC1493_09_AWF1_Sturgeon_totalRNA		✓	RIN: 8.10	
QC1493_10_AWF2_Sturgeon_totalRNA		✓	RIN: 5.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

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

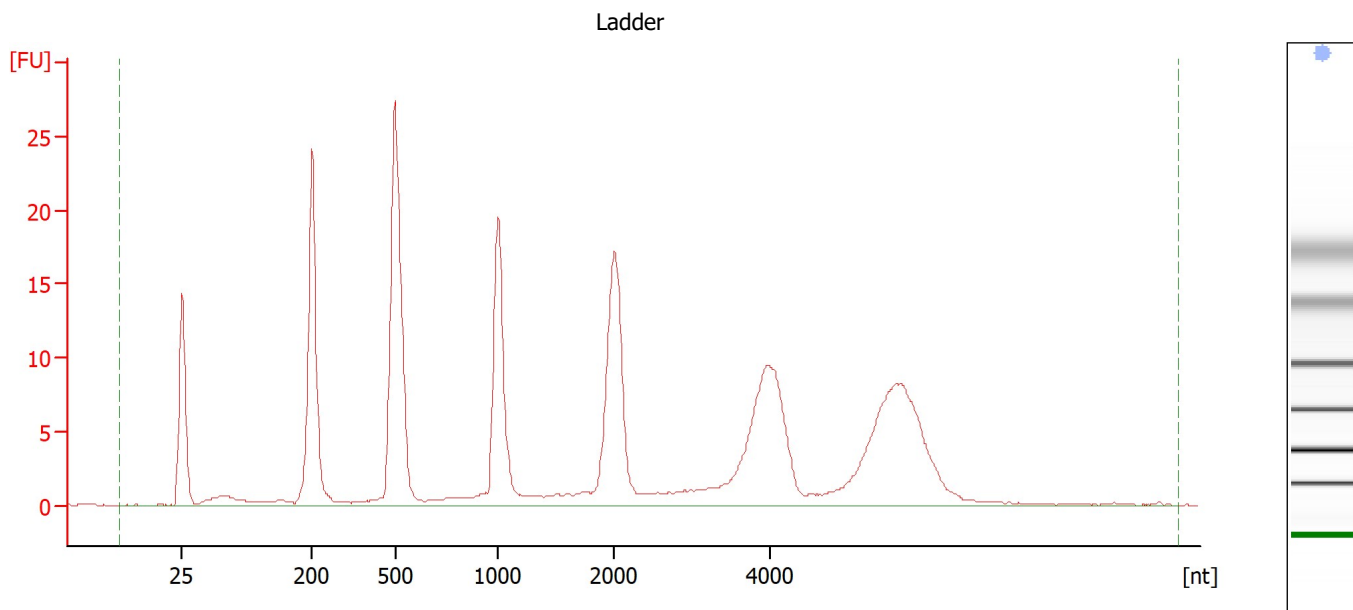
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary



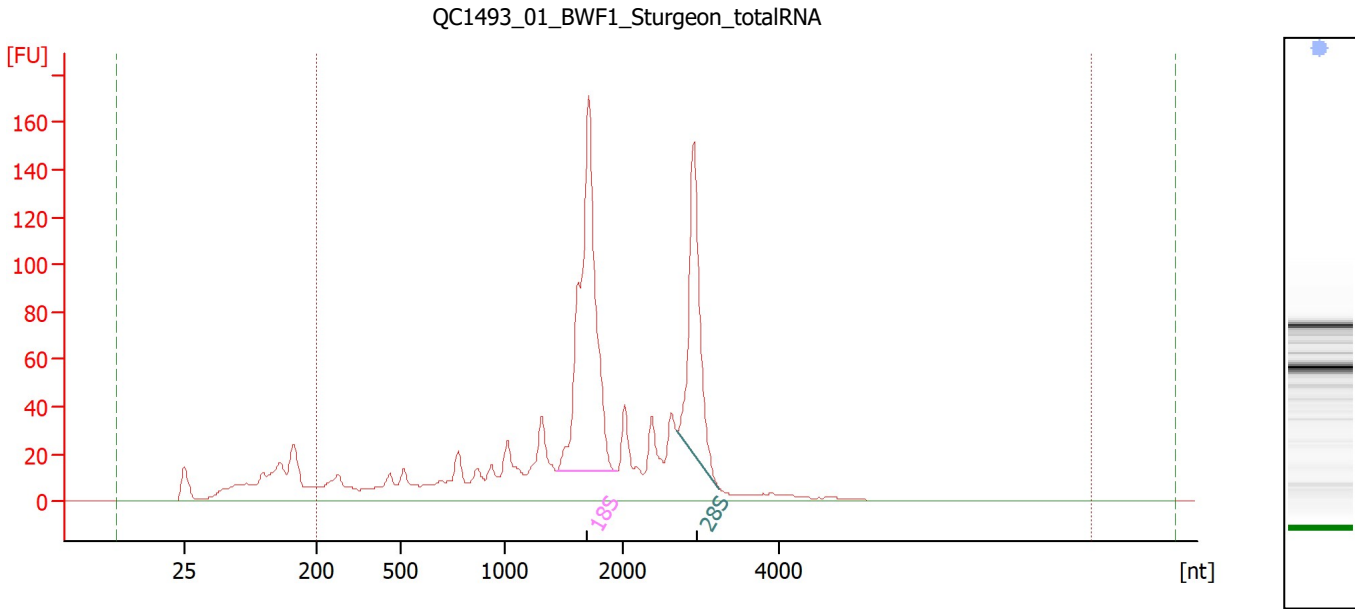
Overall Results for Ladder

RNA Area:	259.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1493 01 BWF1 Sturgeon totalRNA

RNA Area:	1,333.6	Result Flagging Color:	
RNA Concentration:	771 ng/μl	Result Flagging Label:	RIN: 7.50
rRNA Ratio [28s / 18s]:	0.5	Corr. Area 1:	1,163.0
RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 3 : QC1493 01 BWF1 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,450	1,958	322.7	24.2
28S	2,702	3,247	160.3	12.0

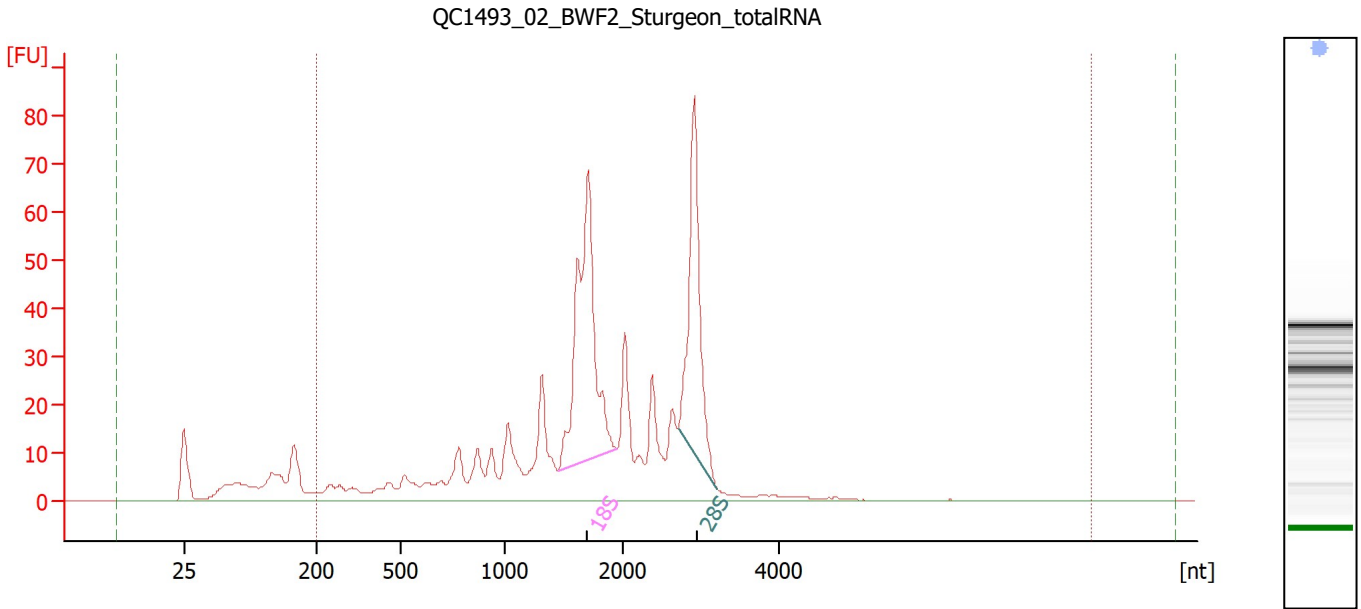
Region table for sample 3 : QC1493 01 BWF1 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,163.0	87	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1493 02 BWF2 Sturgeon totalRNA

RNA Area:	675.4	Result Flagging Color:	
RNA Concentration:	390 ng/μl	Result Flagging Label:	RIN: 7.60
rRNA Ratio [28s / 18s]:	0.7	Corr. Area 1:	602.8
RNA Integrity Number (RIN):	7.6 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 4 : QC1493 02 BWF2 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,459	1,958	136.2	20.2
28S	2,715	3,220	89.1	13.2

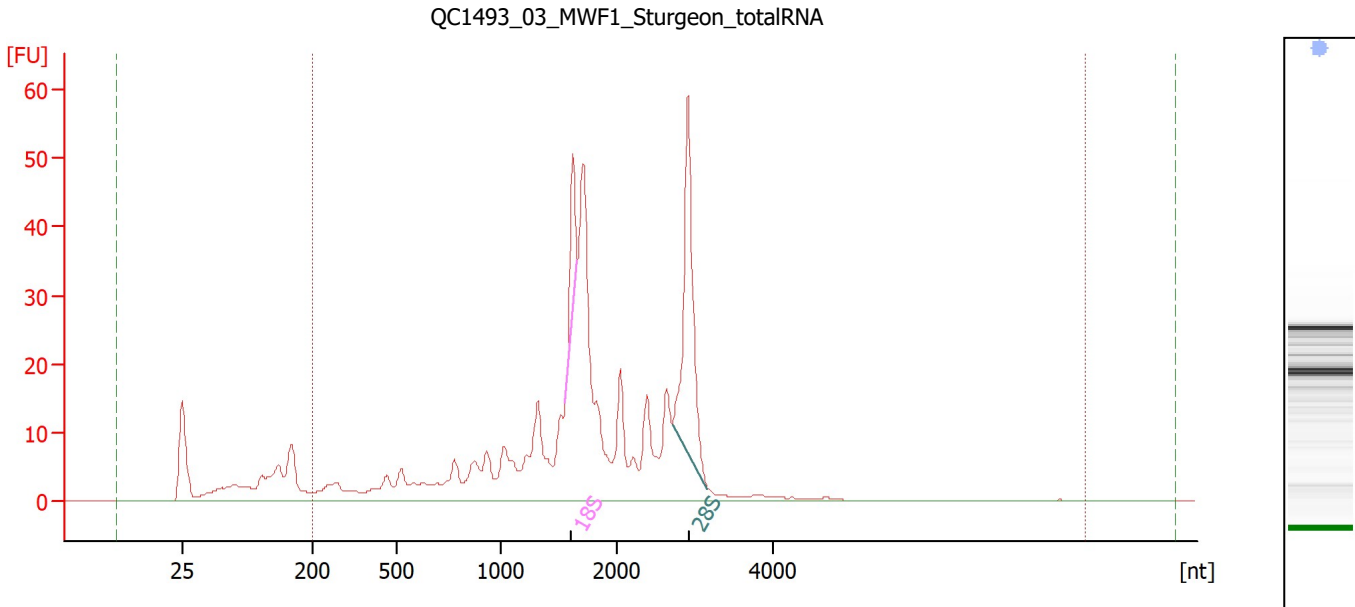
Region table for sample 4 : QC1493 02 BWF2 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	602.8	89	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1493 03 MWF1 Sturgeon totalRNA

RNA Area:	467.9	Result Flagging Color:	
RNA Concentration:	270 ng/μl	Result Flagging Label:	RIN: 5.70
rRNA Ratio [28s / 18s]:	3.4	Corr. Area 1:	412.3
RNA Integrity Number (RIN):	5.7 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 5 : QC1493 03 MWF1 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,556	1,656	16.4	3.5
28S	2,702	3,154	55.1	11.8

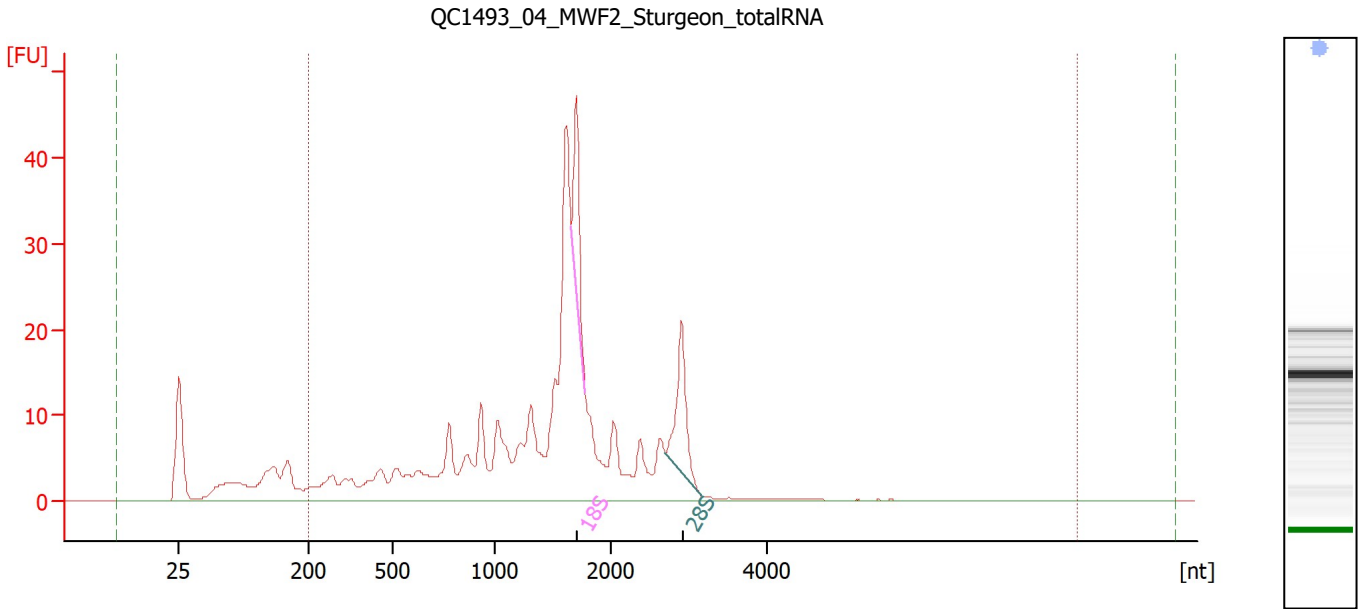
Region table for sample 5 : QC1493 03 MWF1 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	412.3	88	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1493 04 MWF2 Sturgeon totalRNA

RNA Area:	366.5	Result Flagging Color:	
RNA Concentration:	212 ng/μl	Result Flagging Label:	RIN: 4.70
rRNA Ratio [28s / 18s]:	1.2	Corr. Area 1:	324.7
RNA Integrity Number (RIN):	4.7 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 6 : QC1493 04 MWF2 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,770	16.8	4.6
28S	2,689	3,144	19.5	5.3

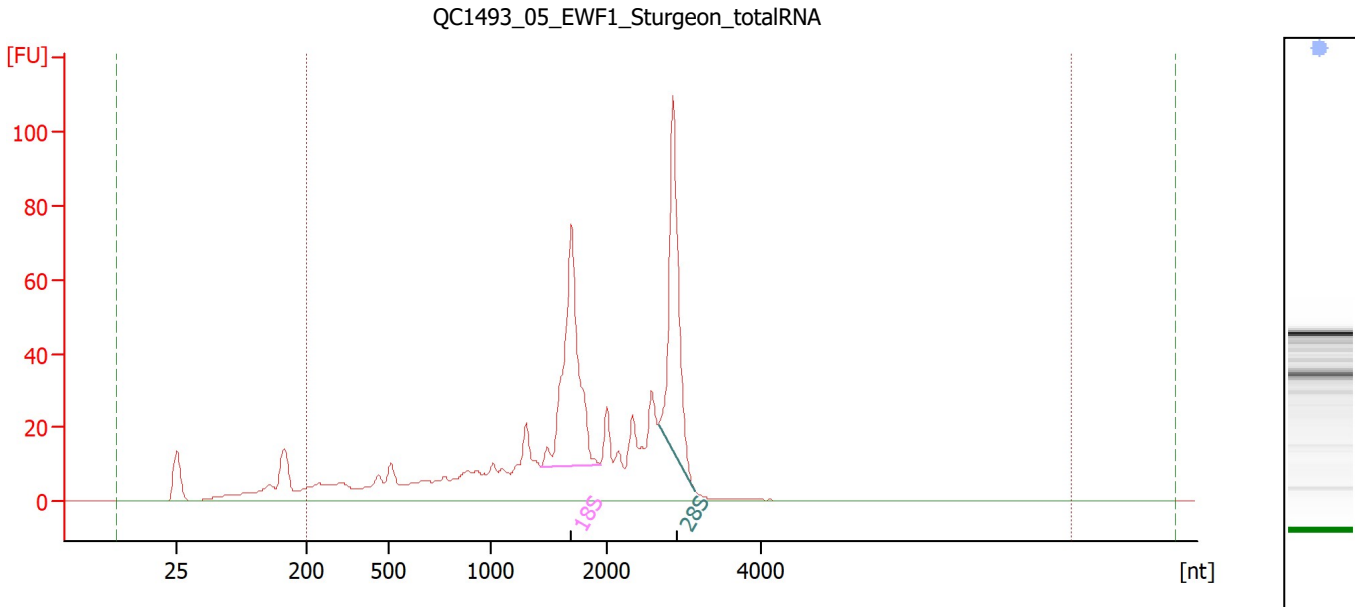
Region table for sample 6 : QC1493 04 MWF2 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	324.7	89	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1493 05 EWF1 Sturgeon totalRNA

RNA Area:	720.3	Result Flagging Color:	
RNA Concentration:	416 ng/μl	Result Flagging Label:	RIN: 7.70
rRNA Ratio [28s / 18s]:	0.8	Corr. Area 1:	662.8
RNA Integrity Number (RIN):	7.7 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 7 : QC1493 05 EWF1 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,426	1,933	124.6	17.3
28S	2,662	3,133	105.2	14.6

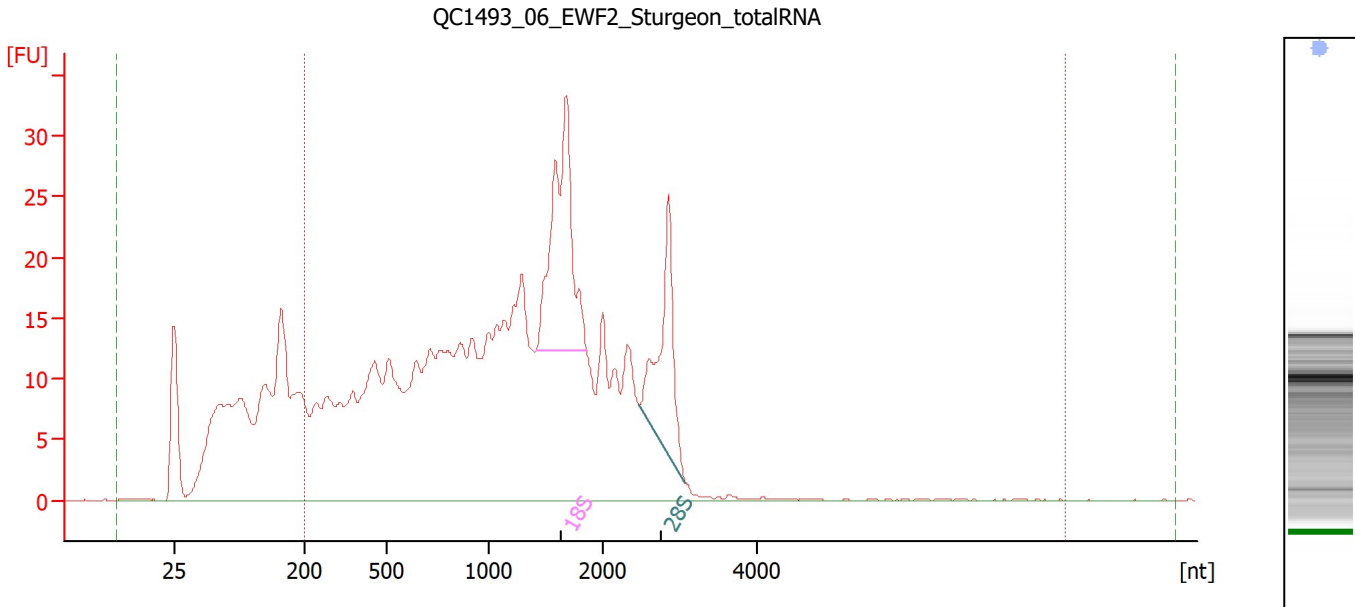
Region table for sample 7 : QC1493 05 EWF1 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	662.8	92	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1493 06 EWF2 Sturgeon totalRNA

RNA Area:	756.8	Result Flagging Color:	
RNA Concentration:	437 ng/μl	Result Flagging Label:	RIN: 5.30
rRNA Ratio [28s / 18s]:	0.6	Corr. Area 1:	600.2
RNA Integrity Number (RIN):	5.3 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 8 : QC1493 06 EWF2 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,413	1,848	51.8	6.8
28S	2,467	3,066	32.8	4.3

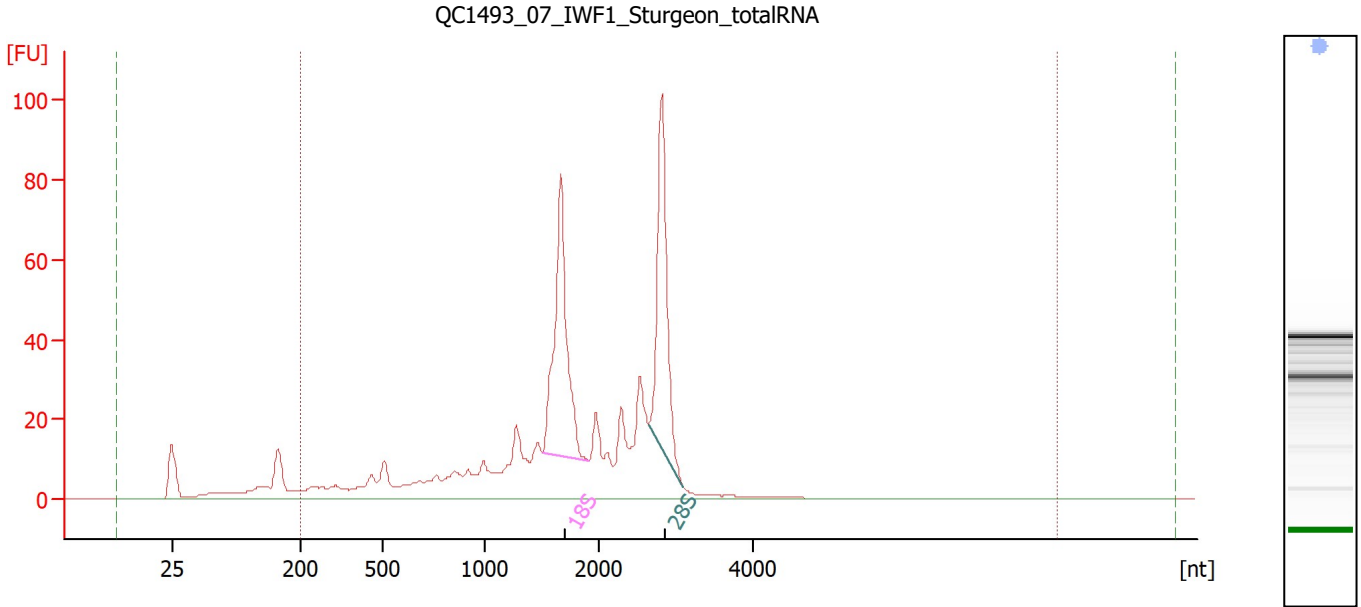
Region table for sample 8 : QC1493 06 EWF2 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	600.2	79	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1493 07 IWF1 Sturgeon totalRNA

RNA Area:	661.9	Result Flagging Color:	
RNA Concentration:	382 ng/μl	Result Flagging Label:	RIN: 7.50
rRNA Ratio [28s / 18s]:	0.9	Corr. Area 1:	608.9
RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 9 : QC1493 07 IWF1 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,501	1,901	113.4	17.1
28S	2,635	3,096	97.6	14.7

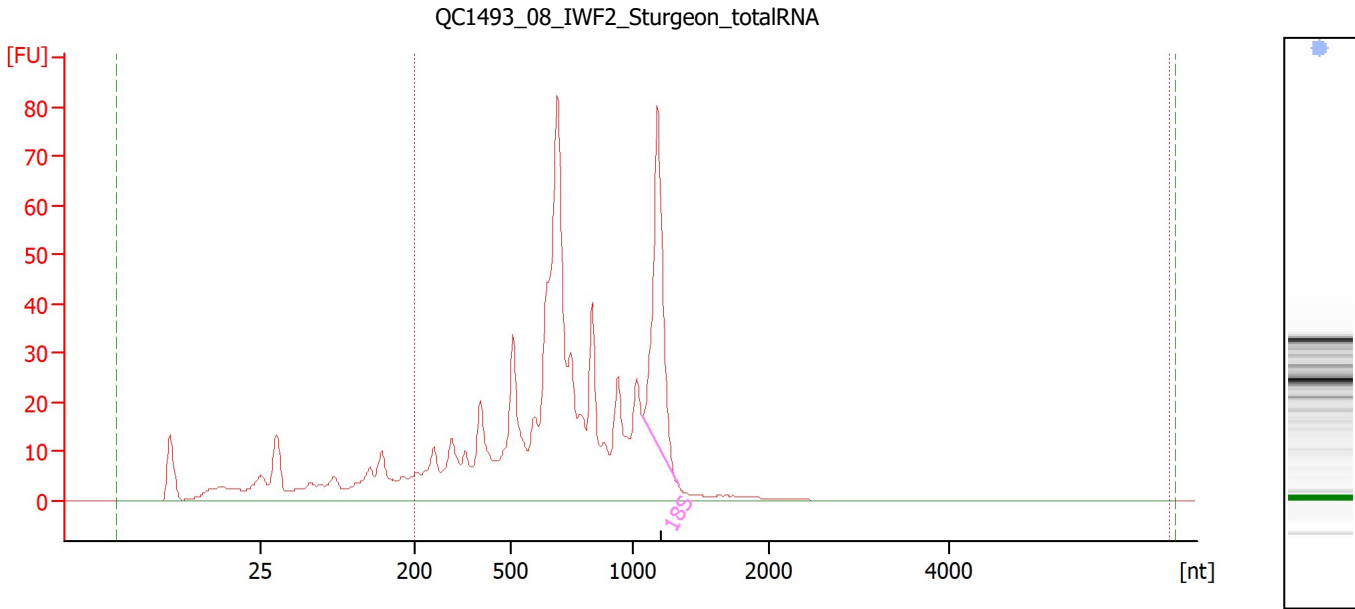
Region table for sample 9 : QC1493 07 IWF1 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	608.9	92	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1493 08 IWF2 Sturgeon totalRNA

RNA Area:	766.2	Result Flagging Color:	
RNA Concentration:	443 ng/μl	Result Flagging Label:	RIN:7
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	619.6
RNA Integrity Number (RIN):	7 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 10 : QC1493 08 IWF2 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,079	1,337	80.2	10.5

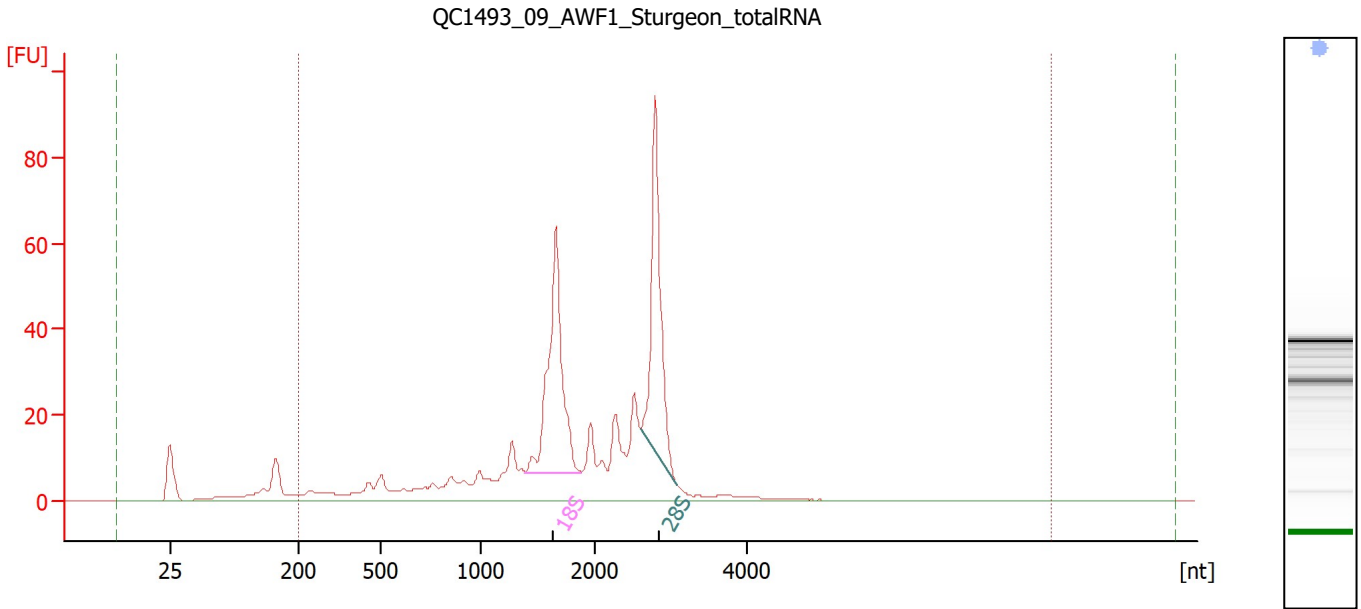
Region table for sample 10 : QC1493 08 IWF2 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	6,417	619.6	81	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1493 09 AWF1 Sturgeon totalRNA

RNA Area:	531.8	Result Flagging Color:	
RNA Concentration:	307 ng/μl	Result Flagging Label:	RIN: 8.10
rRNA Ratio [28s / 18s]:	0.9	Corr. Area 1:	495.5
RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 11 : QC1493 09 AWF1 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,385	1,880	102.0	19.2
28S	2,593	3,070	90.3	17.0

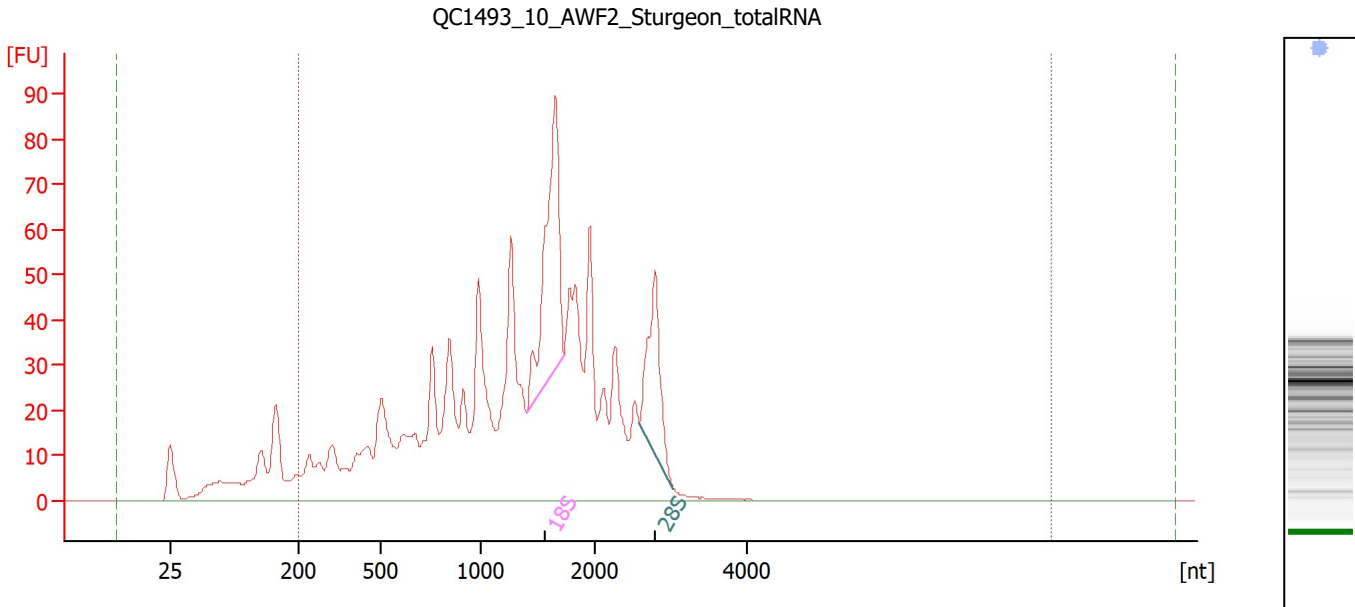
Region table for sample 11 : QC1493 09 AWF1 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	495.5	93	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : QC1493 10 AWF2 Sturgeon totalRNA

RNA Area:	1,233.8	Result Flagging Color:	
RNA Concentration:	713 ng/μl	Result Flagging Label:	RIN: 5.50
rRNA Ratio [28s / 18s]:	0.5	Corr. Area 1:	1,122.6
RNA Integrity Number (RIN):	5.5 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 12 : QC1493 10 AWF2 Sturgeon totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,404	1,731	112.0	9.1
28S	2,579	3,028	57.2	4.6

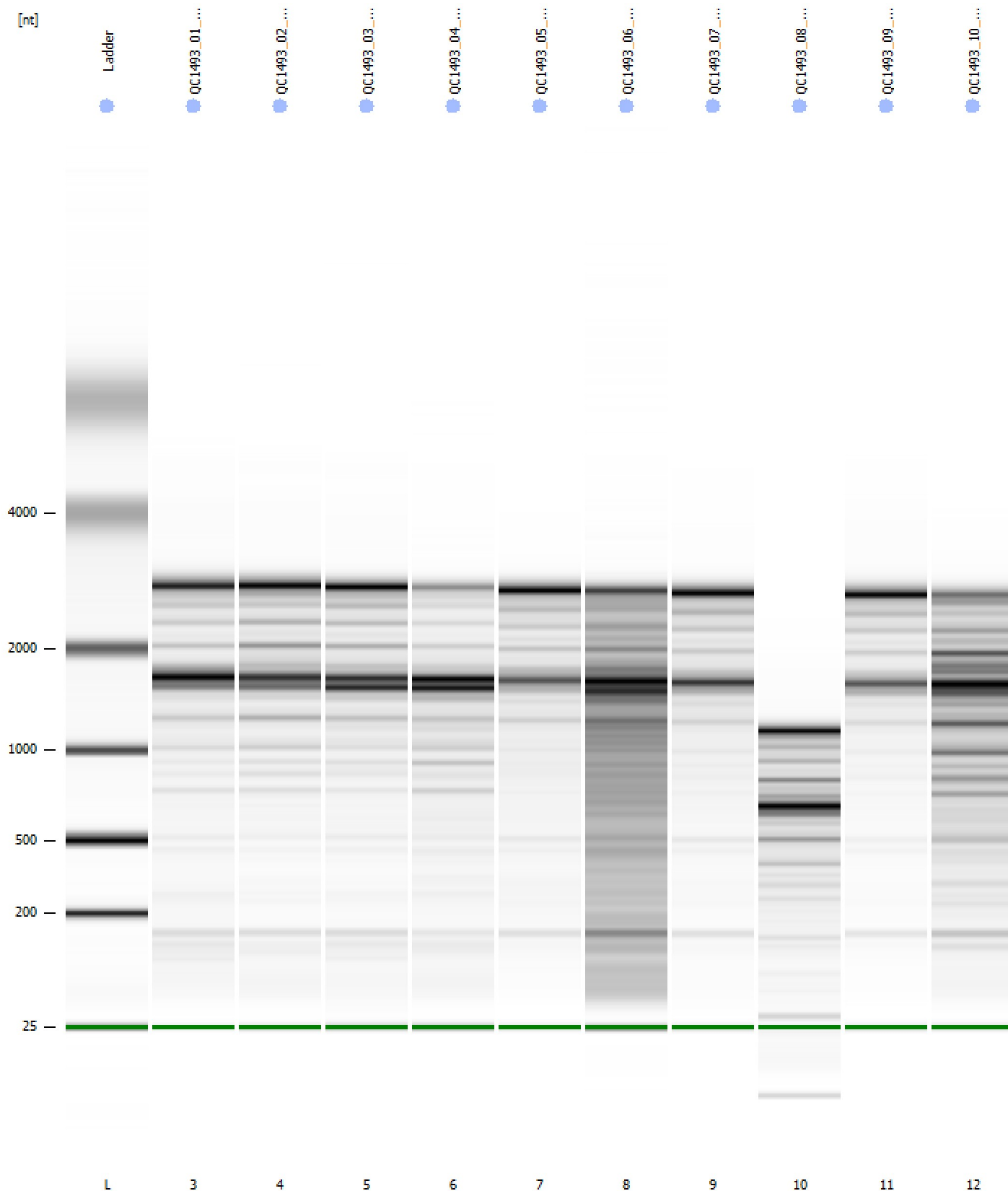
Region table for sample 12 : QC1493 10 AWF2 Sturgeon totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	1,122.6	91	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
Modified: 5/25/2023 9:54:11 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_1of2_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:54:11 AM

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		5/25/2023 9:24:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-25\Bioanalyzer1_Eukaryote Total RNA Nano_2023-05-25_001.xad)		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB