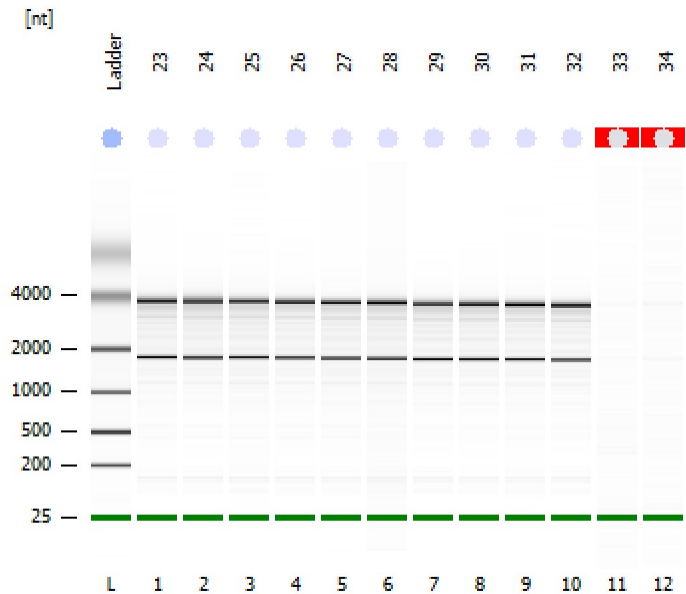


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
Modified: 8/11/2020 4:40:51 PM

Electrophoresis File Run Summary



Instrument Information:

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

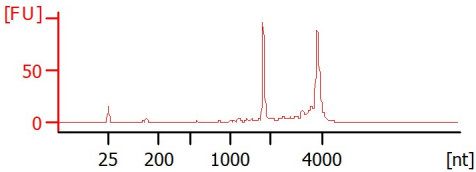
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

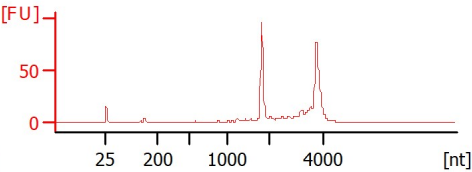
Chip Information:

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

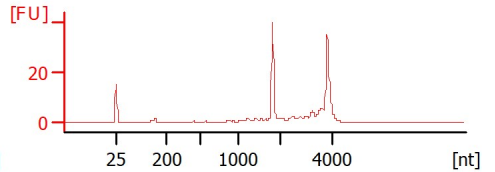
23
QC0627
RIN: 8.70



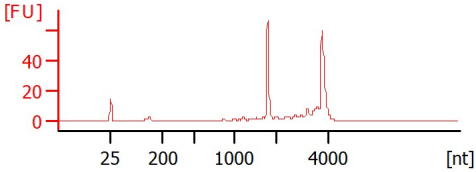
24
QC0627
RIN: 9



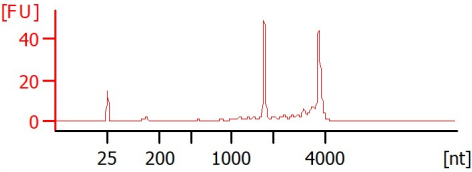
25
QC0627
RIN: 8.90



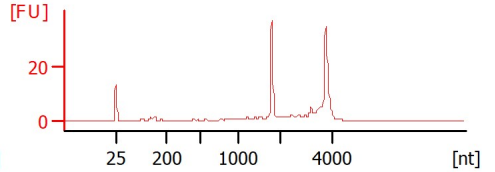
26
QC0627
RIN: 9.10



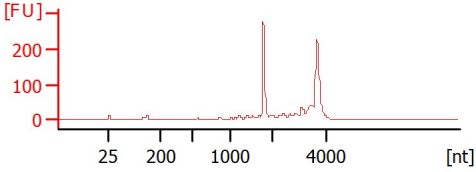
27
QC0627
RIN: 8.70



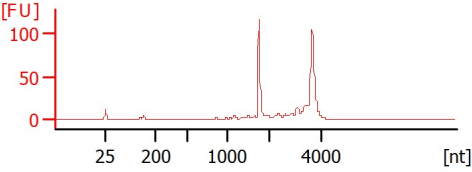
28
QC0627
RIN: 8.80



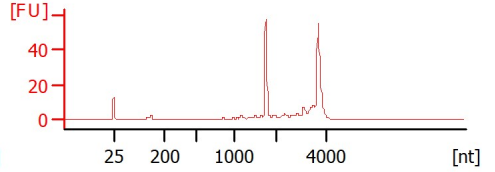
29
QC0627
RIN: 8.50



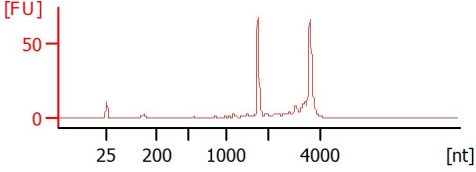
30
QC0627
RIN: 9



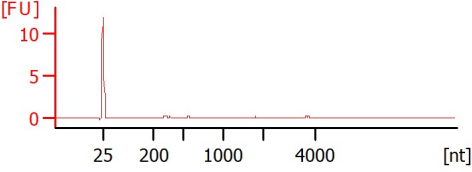
31
QC0627
RIN: 9.10



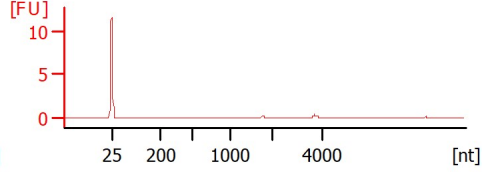
32
QC0627
RIN: 8.70



33
QC0627
RIN N/A



34
QC0627
RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
23	QC0627	✓	RIN: 8.70	
24	QC0627	✓	RIN:9	
25	QC0627	✓	RIN: 8.90	
26	QC0627	✓	RIN: 9.10	
27	QC0627	✓	RIN: 8.70	
28	QC0627	✓	RIN: 8.80	
29	QC0627	✓	RIN: 8.50	
30	QC0627	✓	RIN:9	
31	QC0627	✓	RIN: 9.10	
32	QC0627	✓	RIN: 8.70	
33	QC0627	✓	RIN N/A	
34	QC0627	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 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

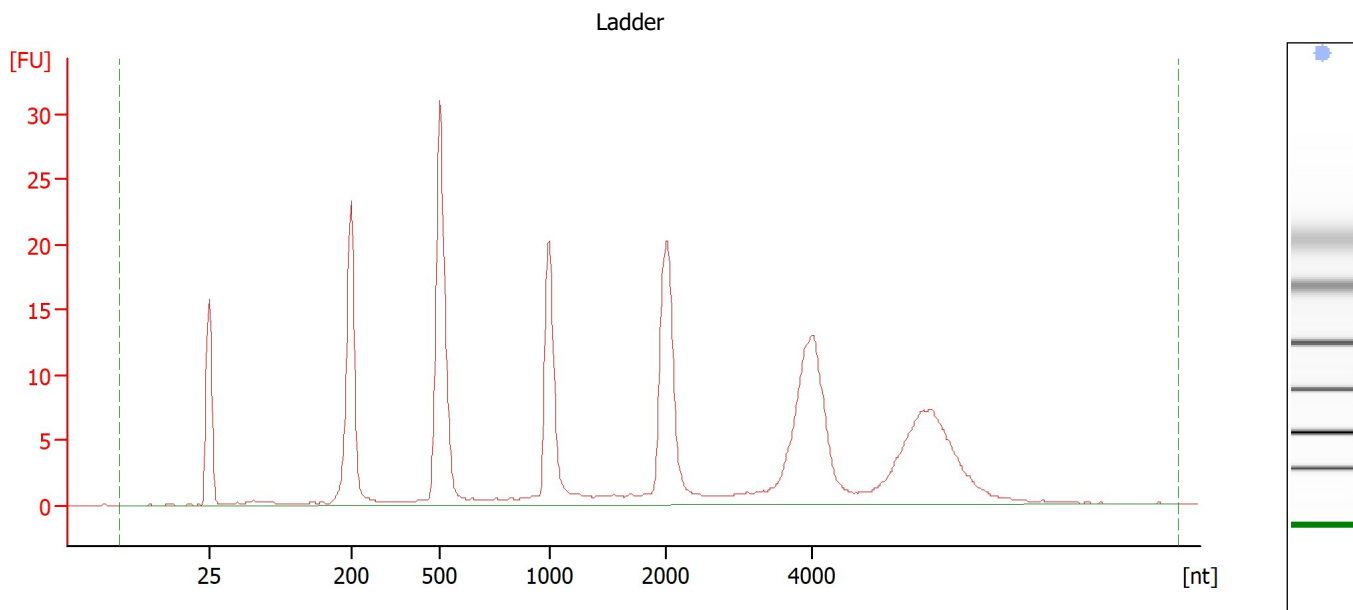
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary



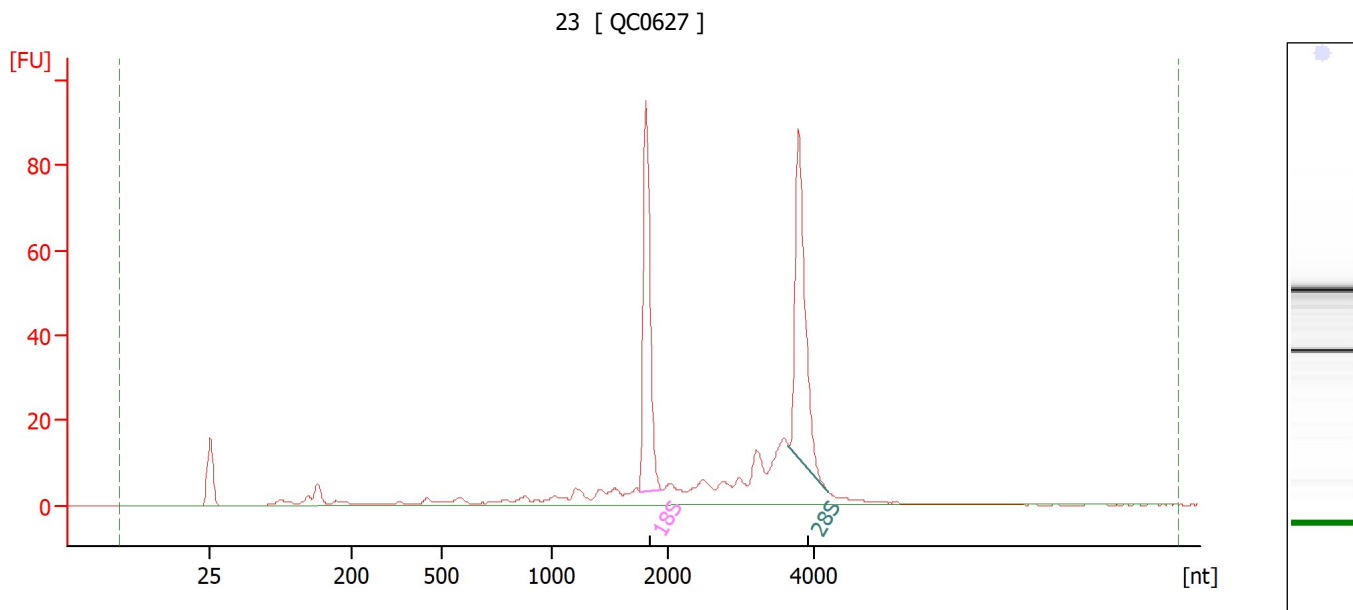
Overall Results for Ladder

RNA Area:	246.9	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 23

RNA Area:	345.5	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	210 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.70

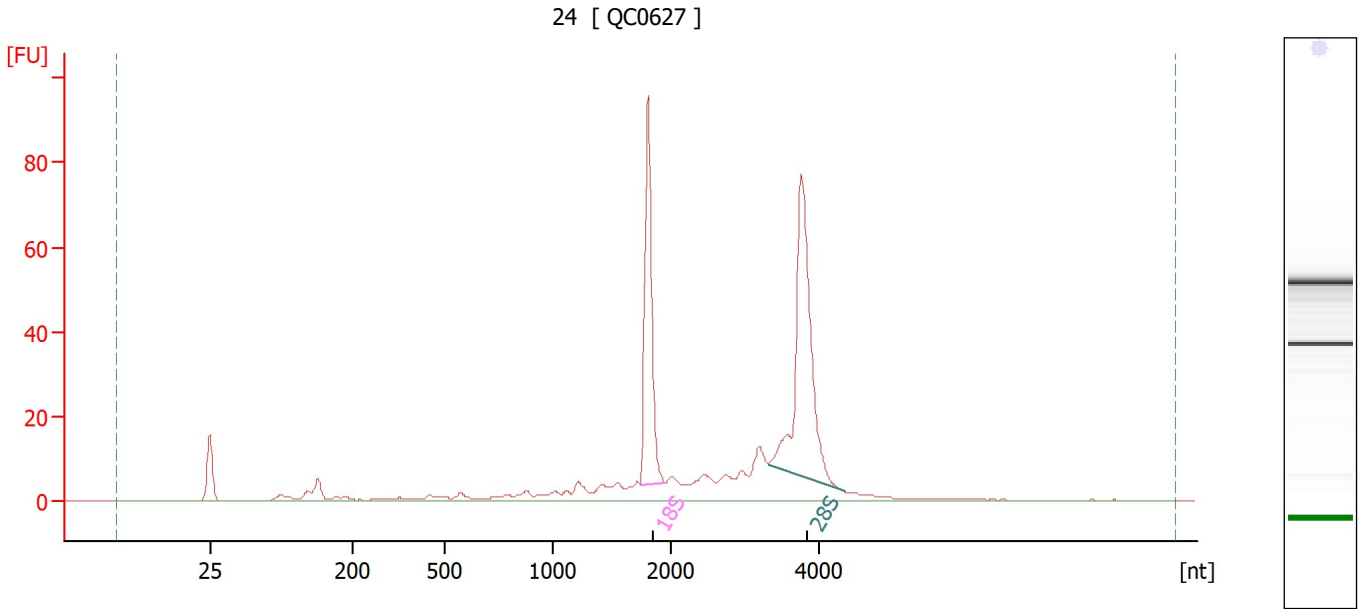
Fragment table for sample 1 : 23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	1,955	73.1	21.2
28S	3,647	4,171	81.4	23.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 24

RNA Area:	375.5	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	228 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

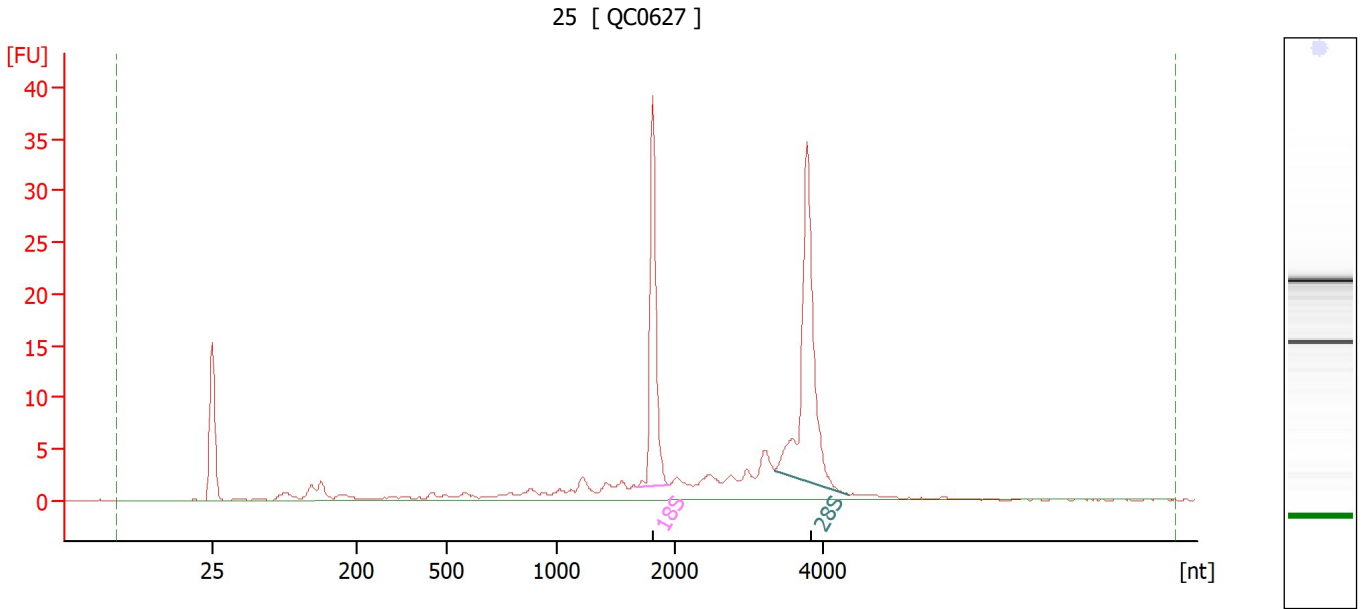
Fragment table for sample 2 : 24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	1,948	75.0	20.0
28S	3,322	4,350	110.7	29.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 25

RNA Area:	142.4	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	87 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

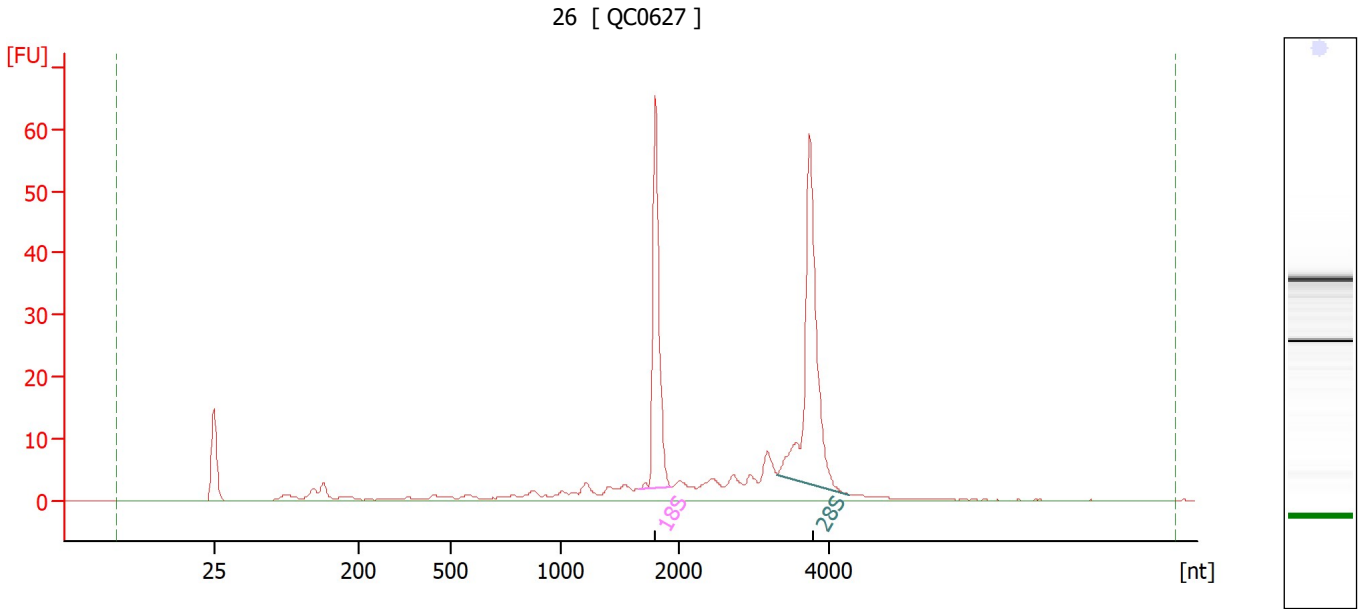
Fragment table for sample 3 : 25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	1,950	28.4	20.0
28S	3,334	4,343	40.2	28.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 26

RNA Area:	223.6	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	136 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.10

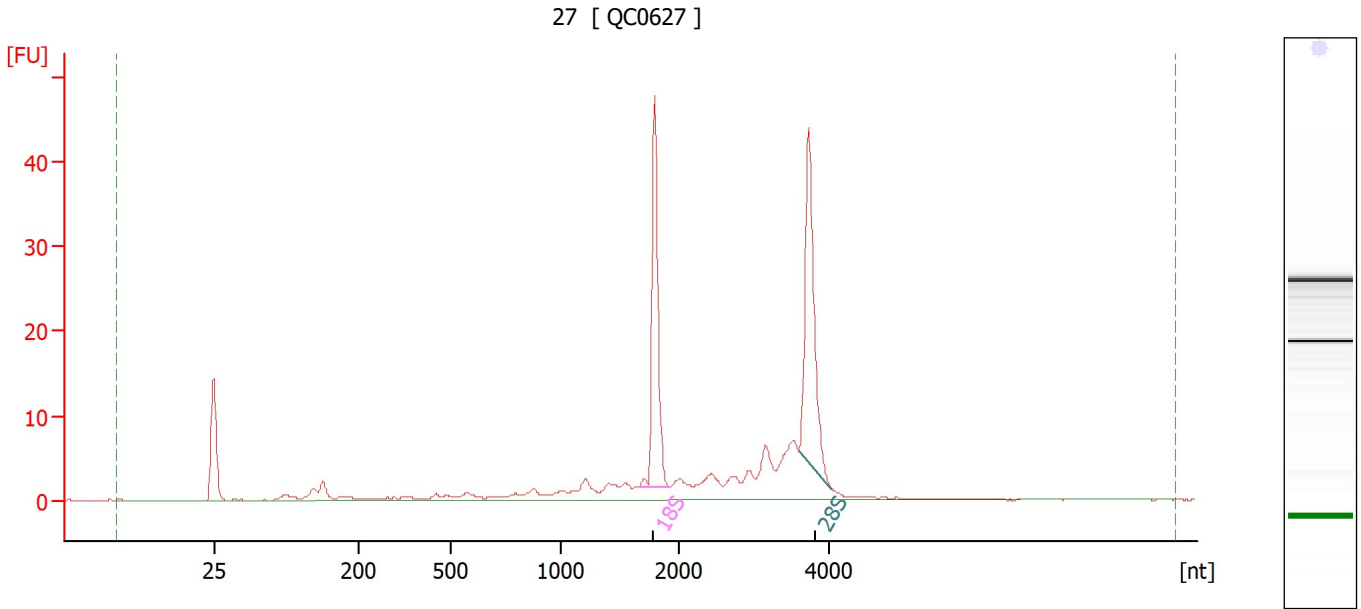
Fragment table for sample 4 : 26

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	1,934	48.2	21.5
28S	3,317	4,279	68.9	30.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 27

RNA Area:	161.8	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	98 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.70

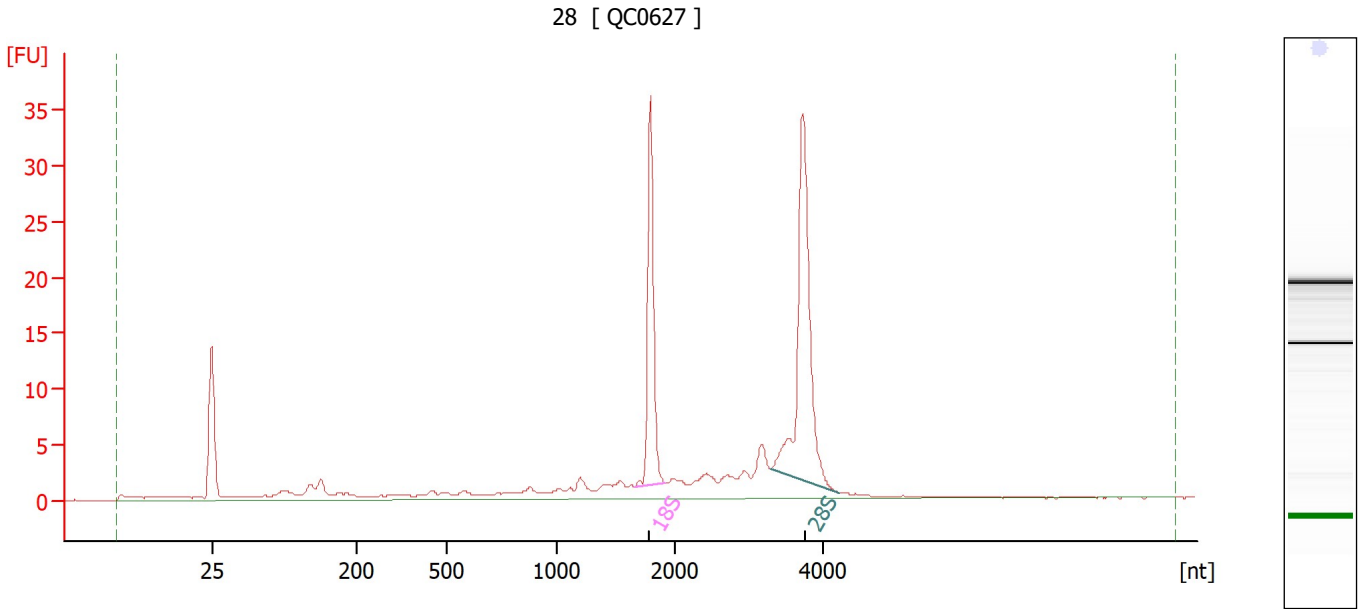
Fragment table for sample 5 : 27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	1,916	34.4	21.3
28S	3,604	4,049	37.3	23.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 28

RNA Area:	141.2	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	86 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.80

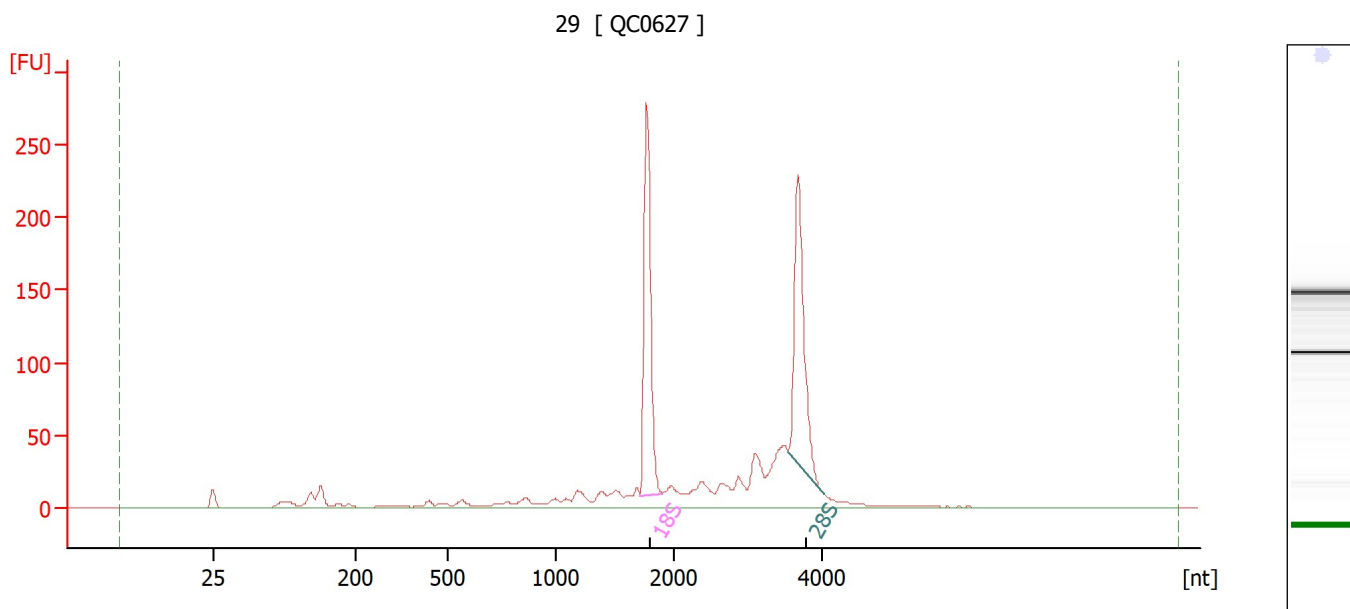
Fragment table for sample 6 : 28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,914	25.6	18.1
28S	3,291	4,199	40.4	28.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 29

RNA Area:	967.7	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	588 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.50

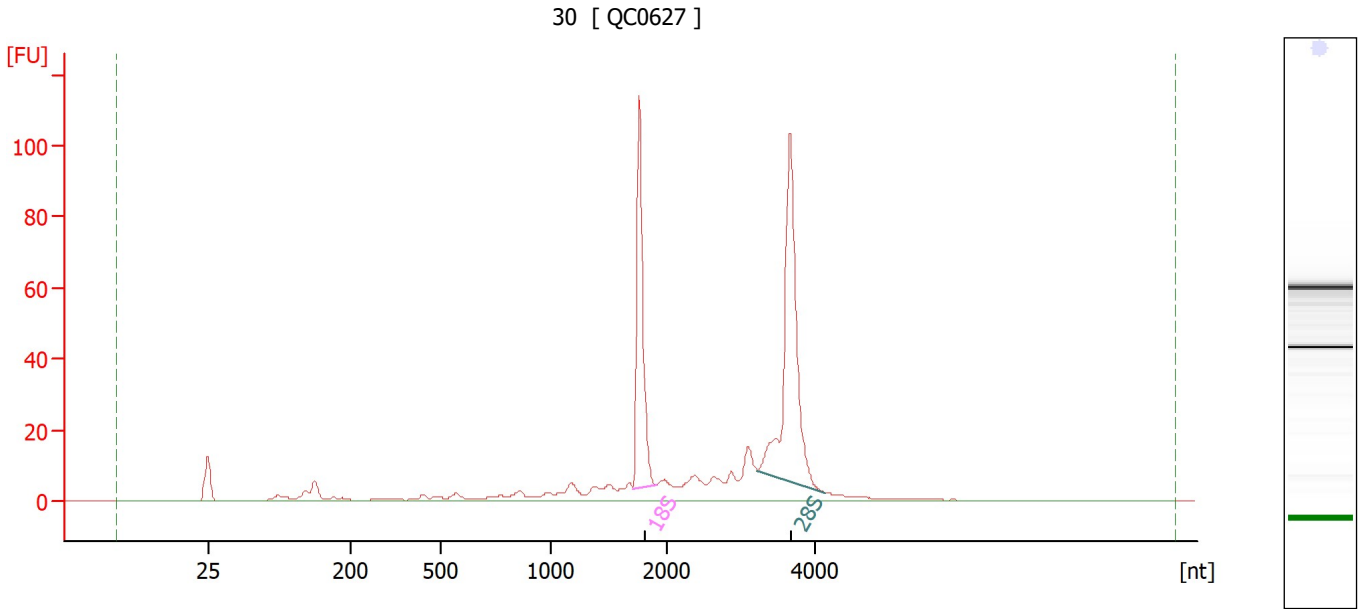
Fragment table for sample 7 : 29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	1,903	206.5	21.3
28S	3,554	4,032	204.3	21.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 30

RNA Area:	396.8	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	241 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

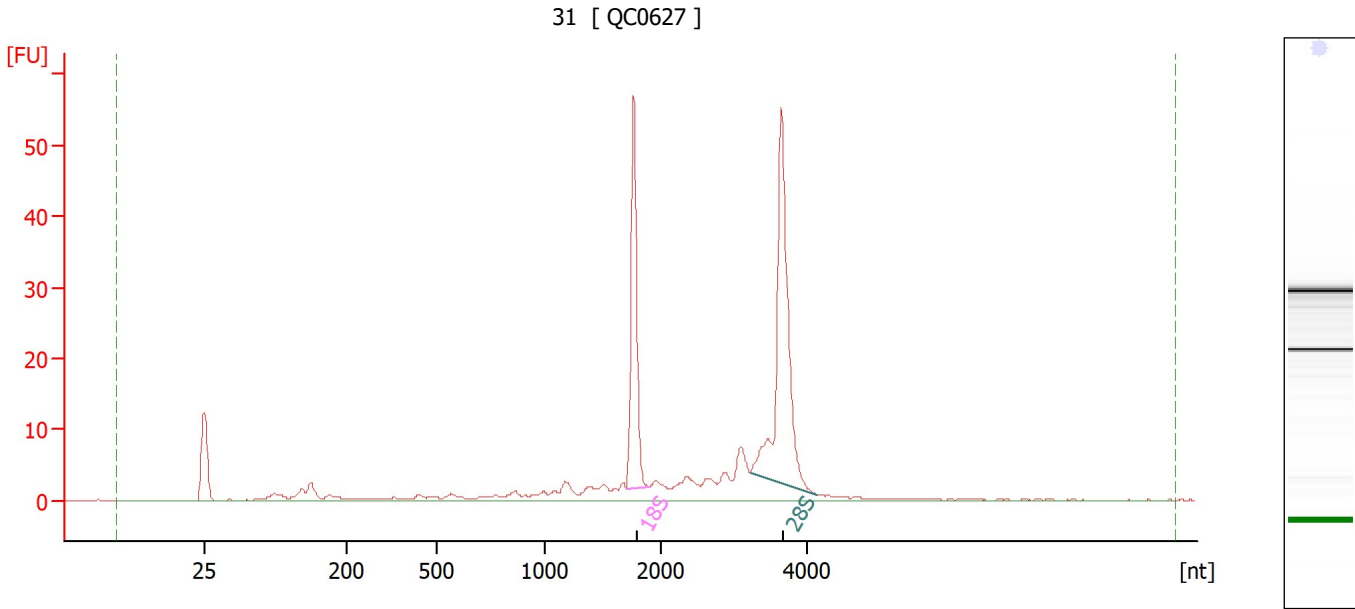
Fragment table for sample 8 : 30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	1,910	83.2	21.0
28S	3,223	4,139	125.1	31.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 31

RNA Area:	195.5	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	119 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.10

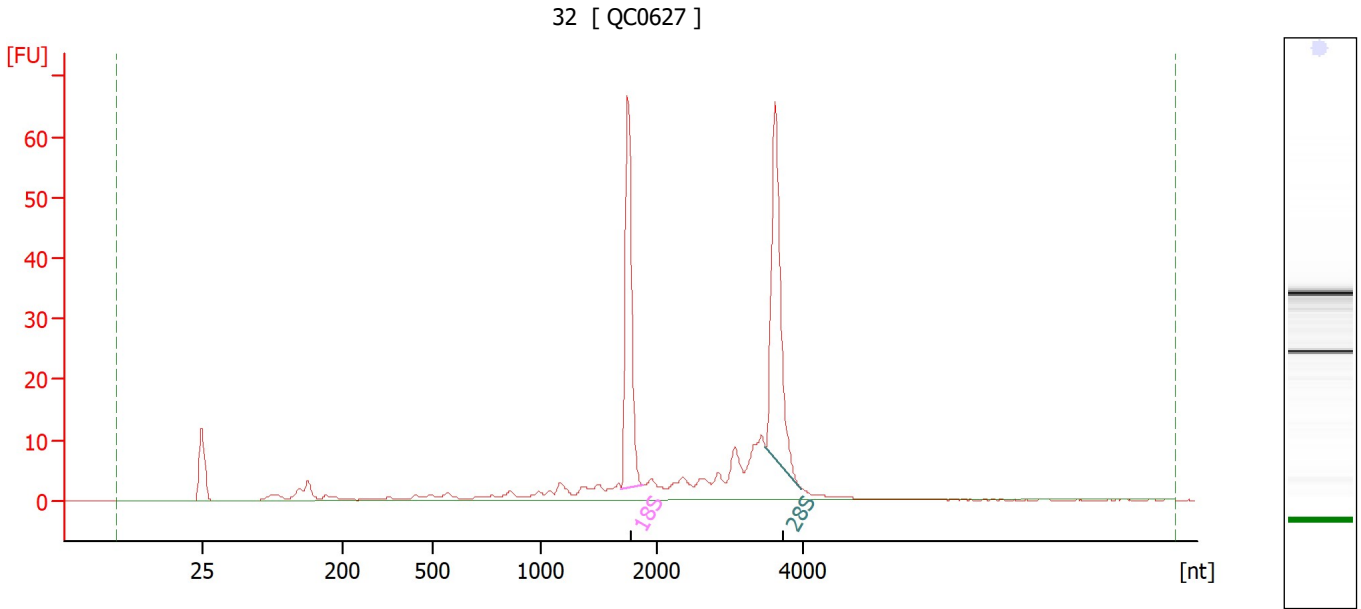
Fragment table for sample 9 : 31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	1,897	40.4	20.7
28S	3,227	4,134	64.1	32.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 32

RNA Area:	234.3	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	142 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.70

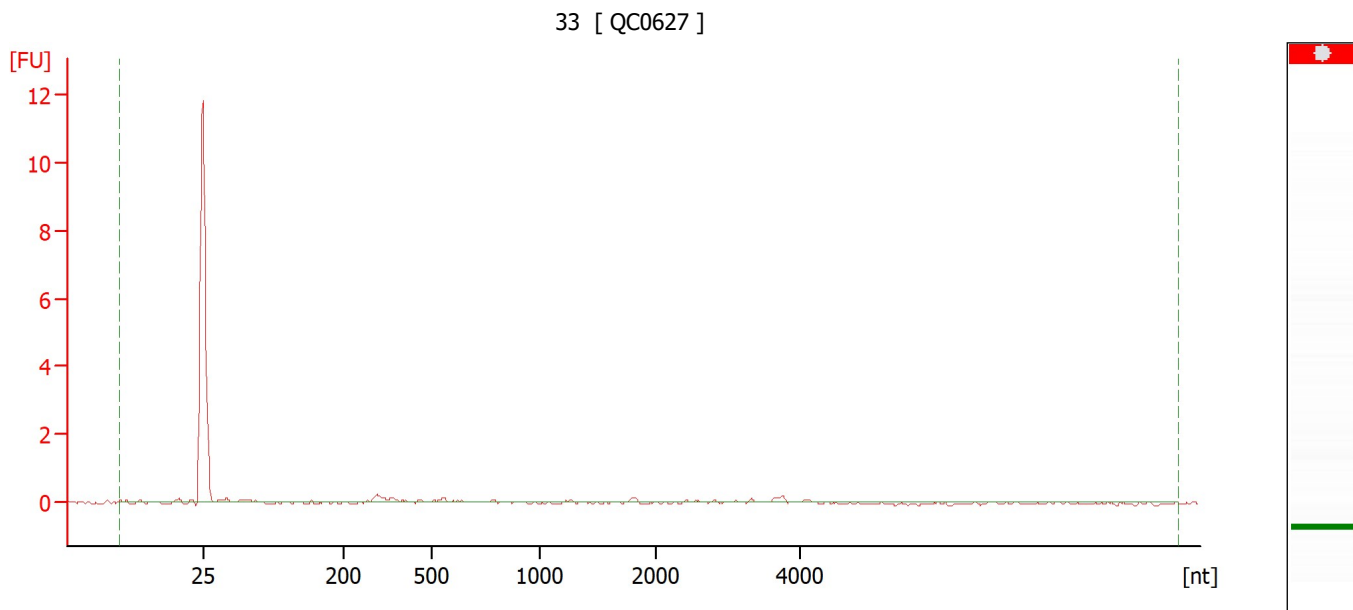
Fragment table for sample 10 : 32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	1,886	48.2	20.6
28S	3,494	3,993	57.0	24.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
 Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



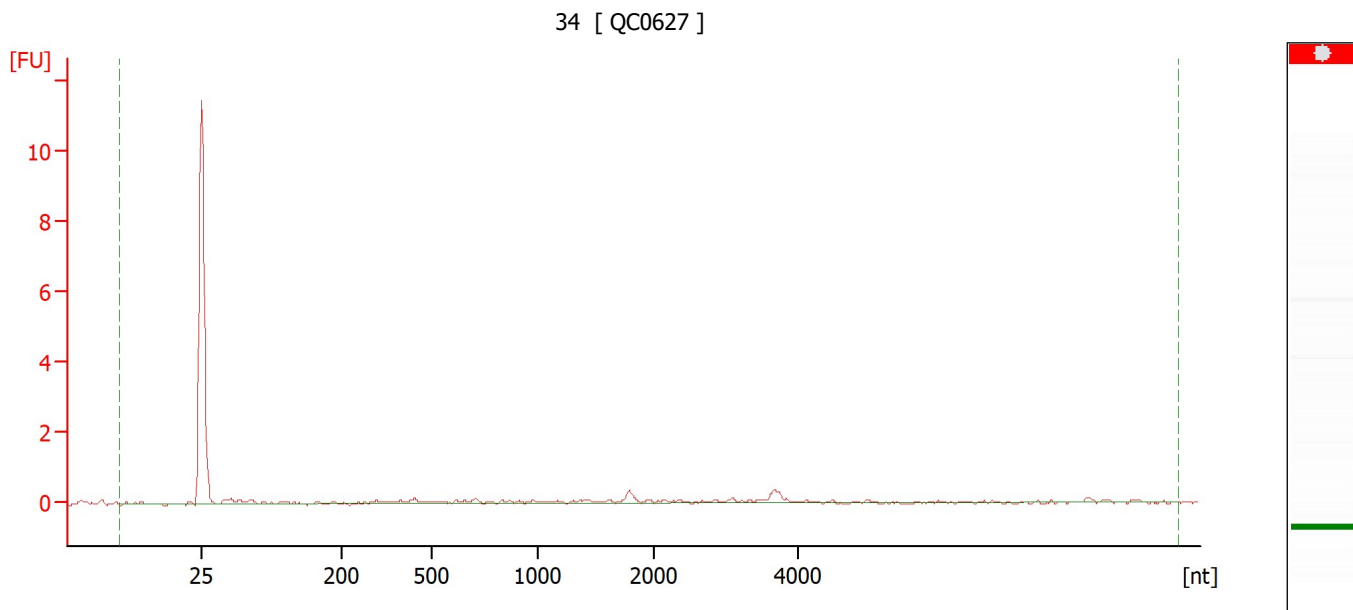
Overall Results for sample 11 : 33

RNA Area:	1.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
Modified: 8/11/2020 4:40:51 PM

Electropherogram Summary Continued ...



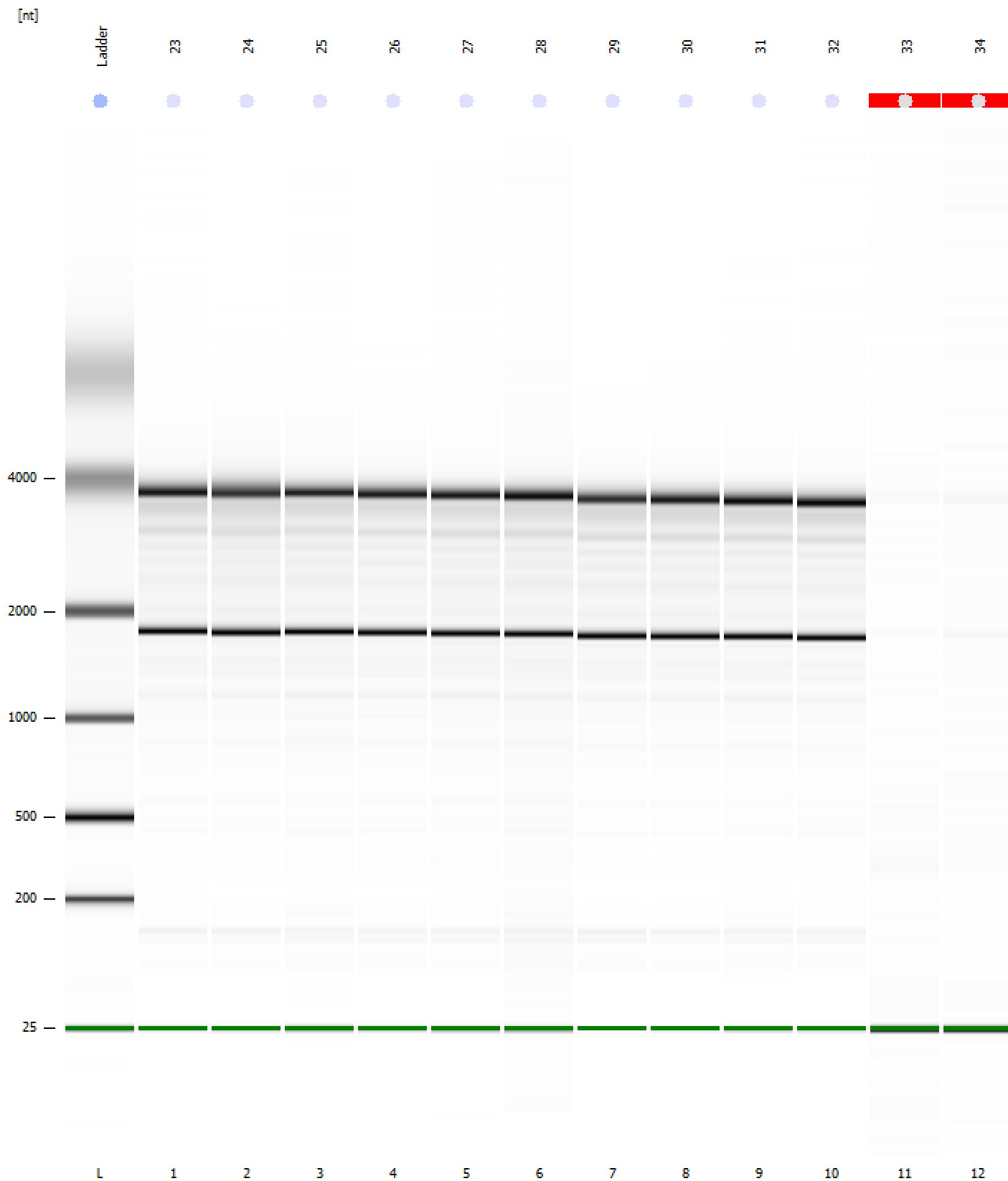
Overall Results for sample 12 : 34

RNA Area:	4.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad

Created: 8/11/2020 1:42:31 PM
Modified: 8/11/2020 4:40:51 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 8/11/2020 1:42:31 PM
 Data Path: Z:\...11\Bioanalyzer1_Eukaryote Total RNA Nano_2020-08-11_002.xad Modified: 8/11/2020 4:40:51 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		8/11/2020 2:05:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-11\Bioanalyze r1_Eukaryote Total RNA Nano_2020-08-11_002.xad)		Instrument	Run		8/11/2020 1:42:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/11/2020 1:42:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/11/2020 1:42:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/11/2020 1:42:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/11/2020 1:42:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/11/2020 1:42:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/11/2020 1:42:37 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB