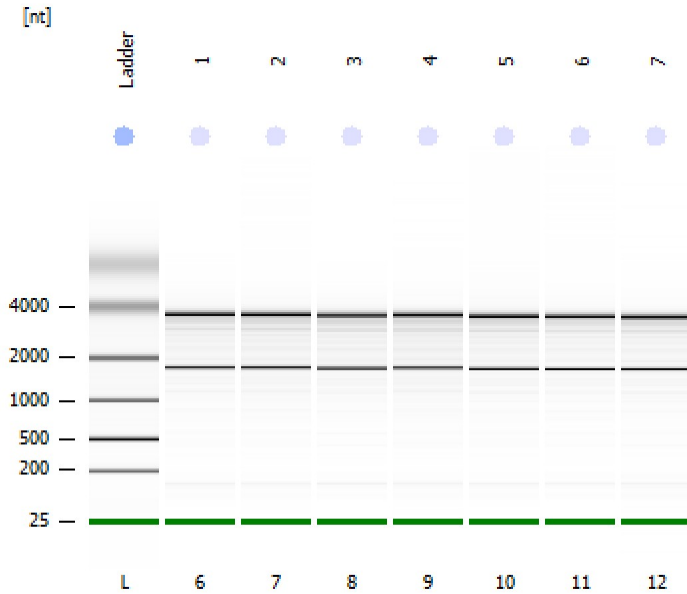


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 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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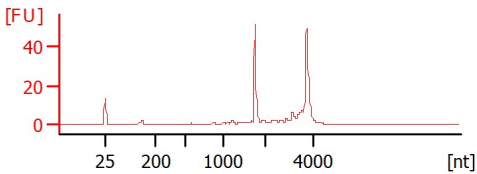
Chip Information:

Chip Lot #:

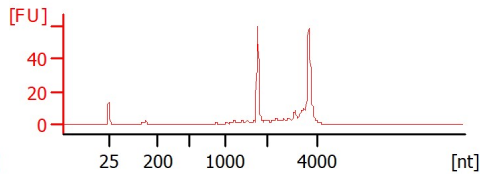
Reagent Kit Lot #:

Chip Comments:

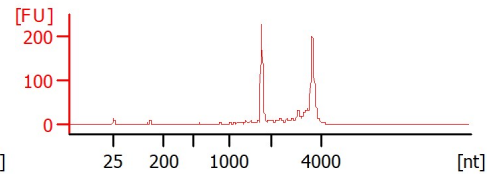
QC0627 RIN: 9.10 **1**



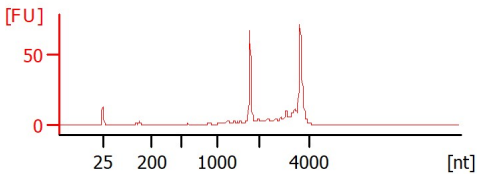
QC0627 RIN: 8.90 **2**



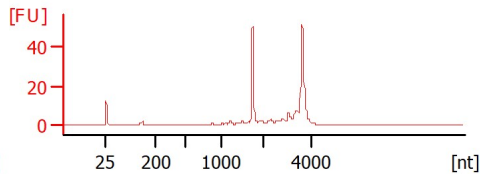
QC0627 RIN: 8.90 **3**



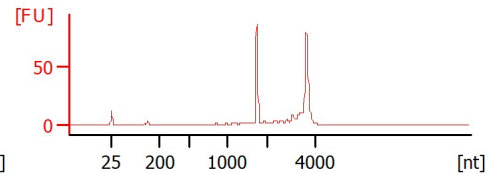
QC0627 RIN: 8.40 **4**



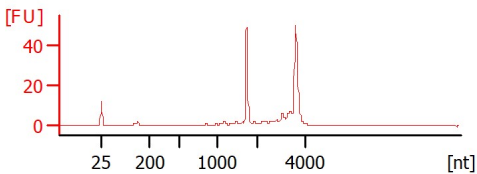
QC0627 RIN: 9 **5**



QC0627 RIN: 9.20 **6**



QC0627 RIN: 9.20 **7**



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
 Modified: 8/6/2020 1:59:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	QC0627	✓	RIN: 9.10	
2	QC0627	✓	RIN: 8.90	
3	QC0627	✓	RIN: 8.90	
4	QC0627	✓	RIN: 8.40	
5	QC0627	✓	RIN:9	
6	QC0627	✓	RIN: 9.20	
7	QC0627	✓	RIN: 9.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 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

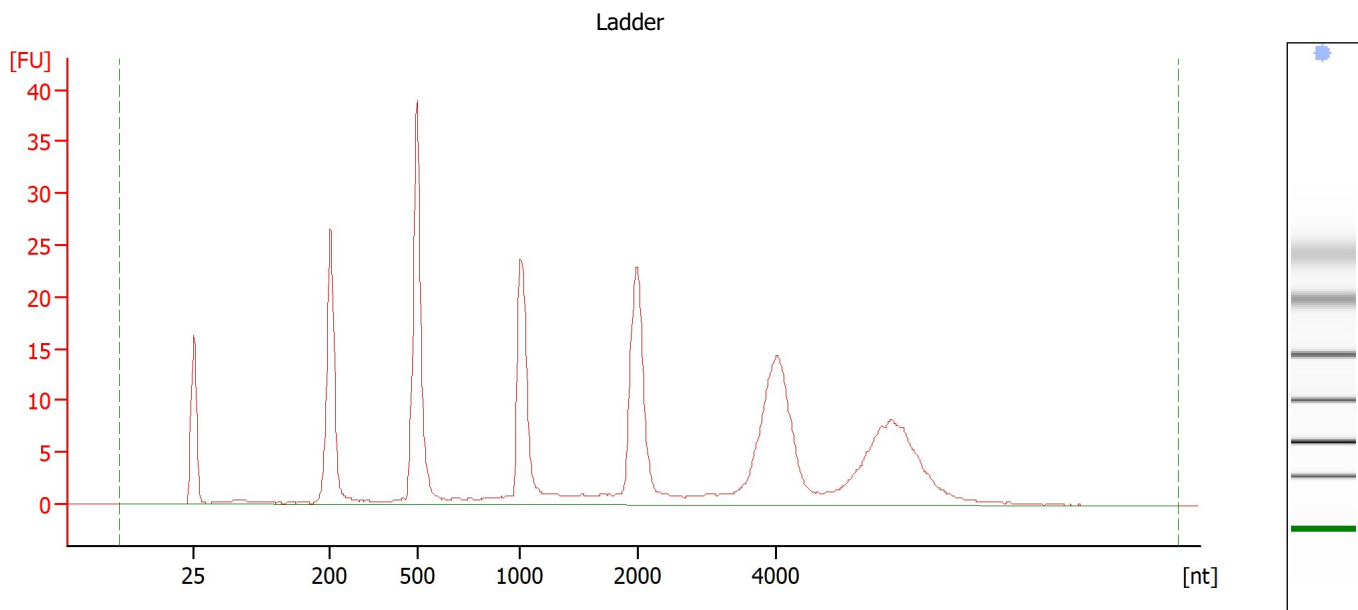
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary



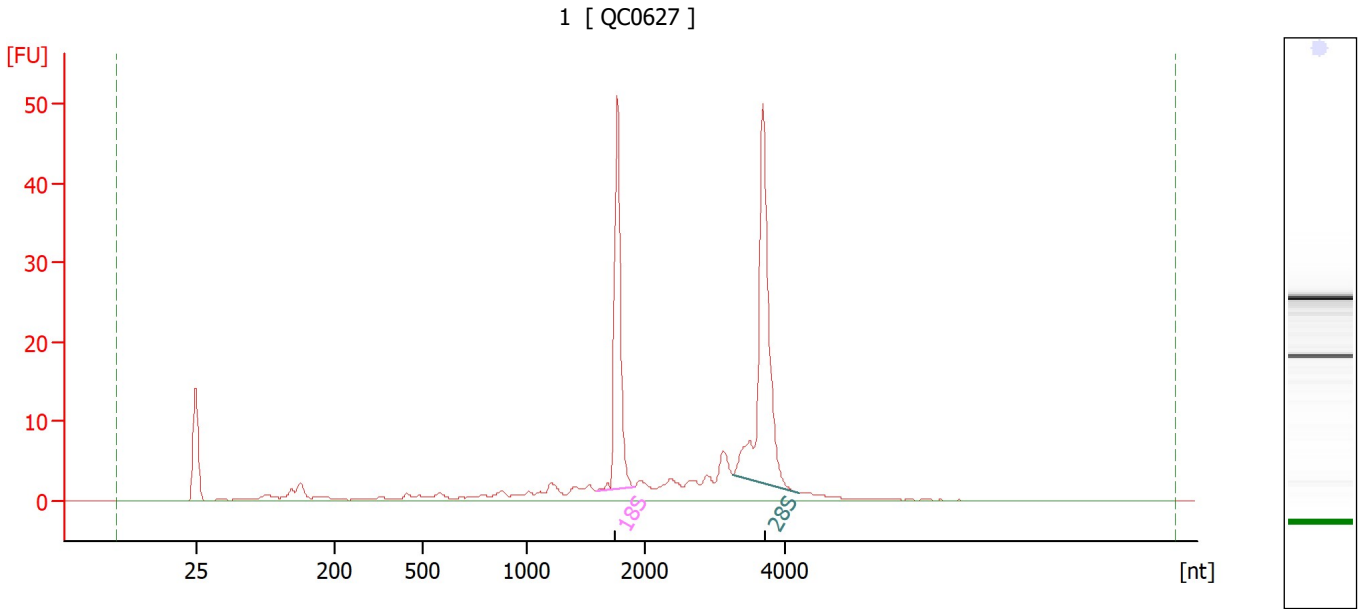
Overall Results for Ladder

RNA Area:	283.6	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 1

RNA Area:	181.8	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	96 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.10

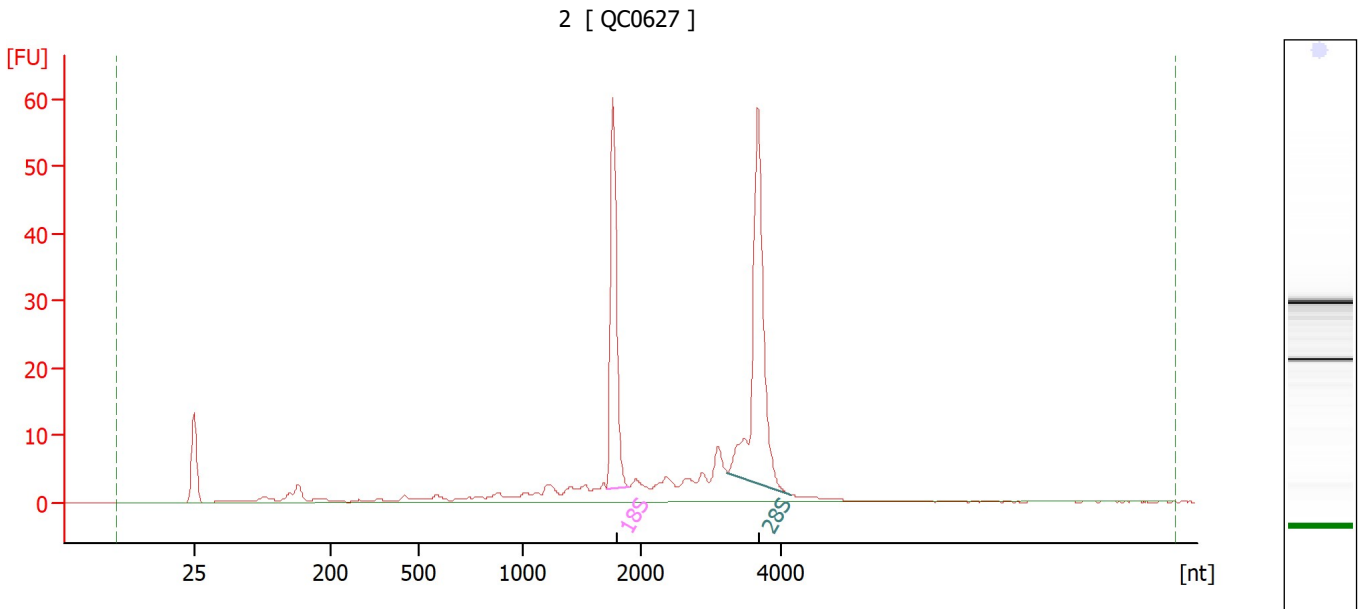
Fragment table for sample 6 : 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	1,913	36.6	20.1
28S	3,255	4,214	55.0	30.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
 Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2

RNA Area:	215.2	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	114 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.90

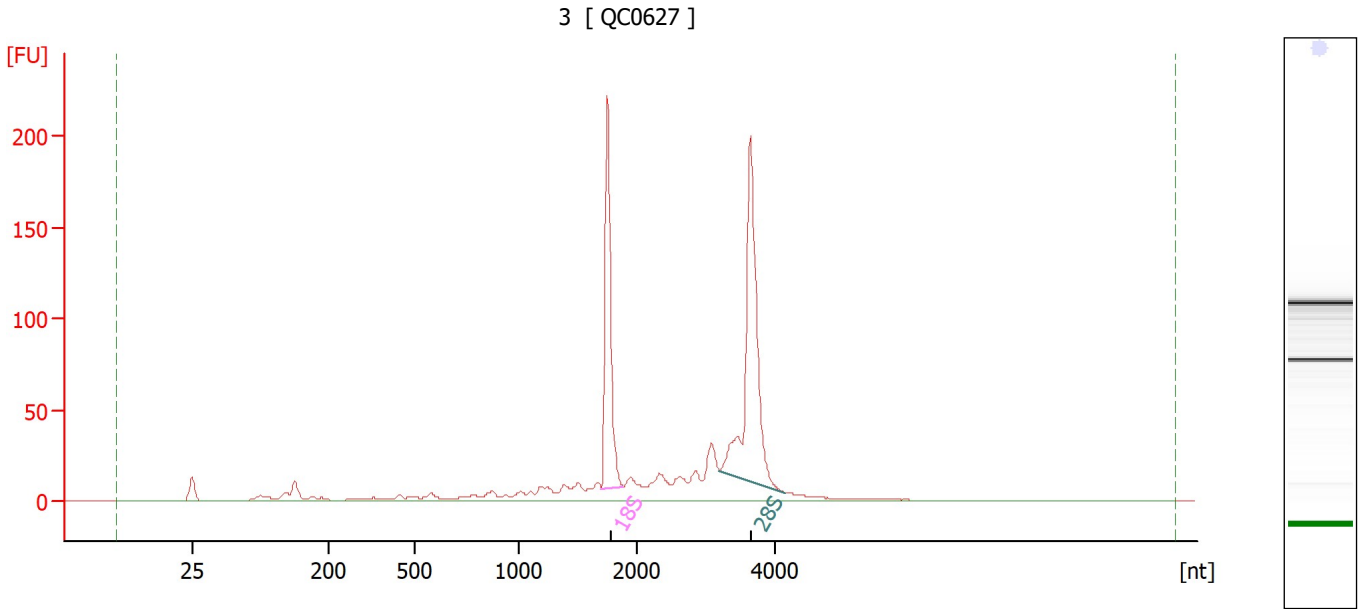
Fragment table for sample 7 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	1,902	43.1	20.0
28S	3,242	4,159	65.3	30.4

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 3

RNA Area:	768.1	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	406 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

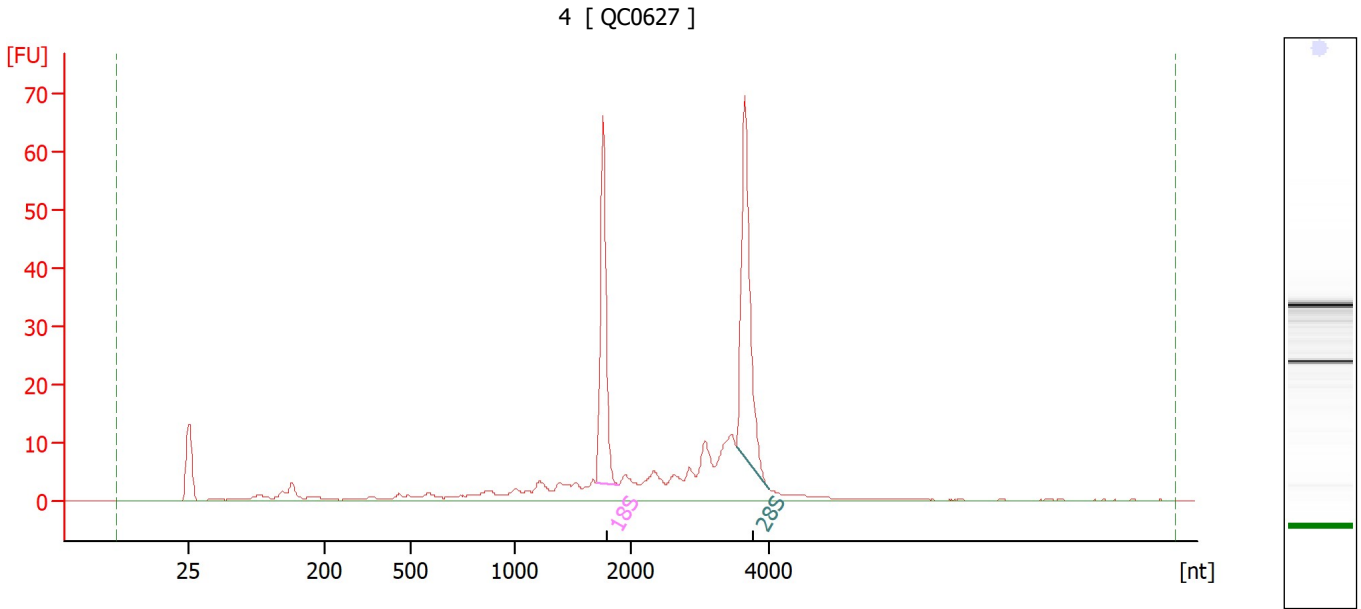
Fragment table for sample 8 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	1,891	162.4	21.1
28S	3,198	4,135	231.9	30.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4

RNA Area: 253.8 RNA Integrity Number (RIN): 8.4 (B.02.10)
RNA Concentration: 134 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.40

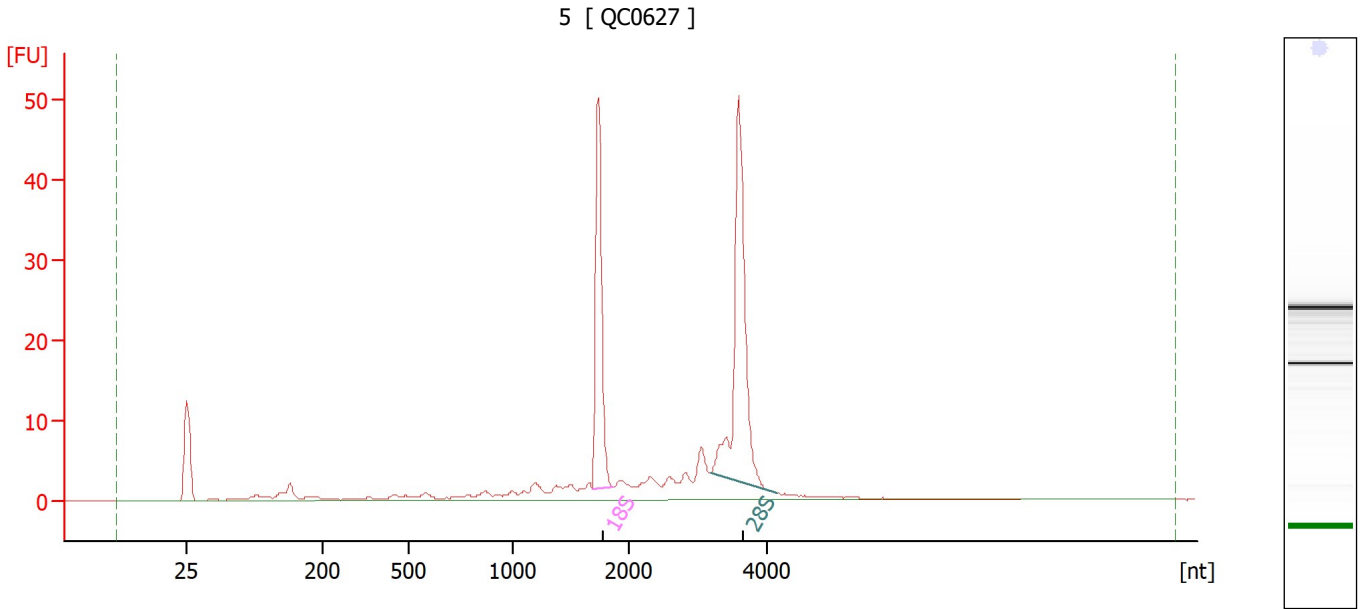
Fragment table for sample 9 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	1,896	47.1	18.6
28S	3,542	4,005	57.8	22.8

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 5

RNA Area:	171.1	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	91 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

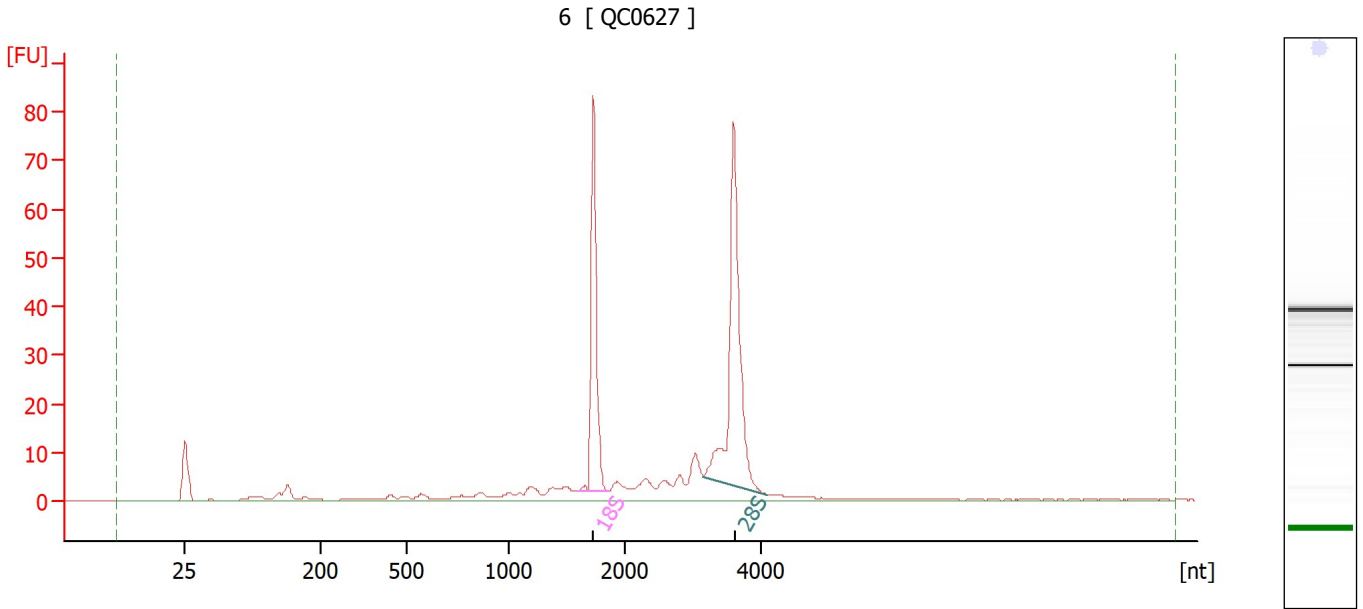
Fragment table for sample 10 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	1,868	35.8	20.9
28S	3,187	4,148	55.4	32.4

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 6

RNA Area:	260.6	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	138 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.20

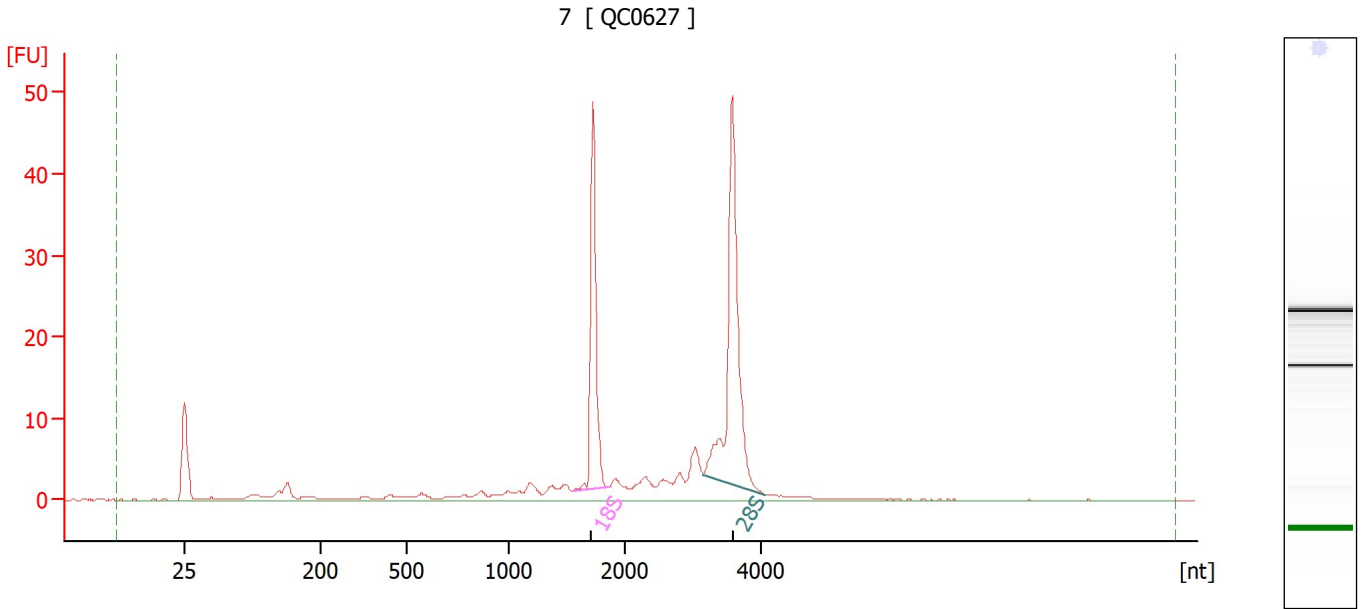
Fragment table for sample 11 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,865	57.2	21.9
28S	3,159	4,076	85.4	32.8

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 7

RNA Area: 168.4 RNA Integrity Number (RIN): 9.2 (B.02.10)
RNA Concentration: 89 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.20

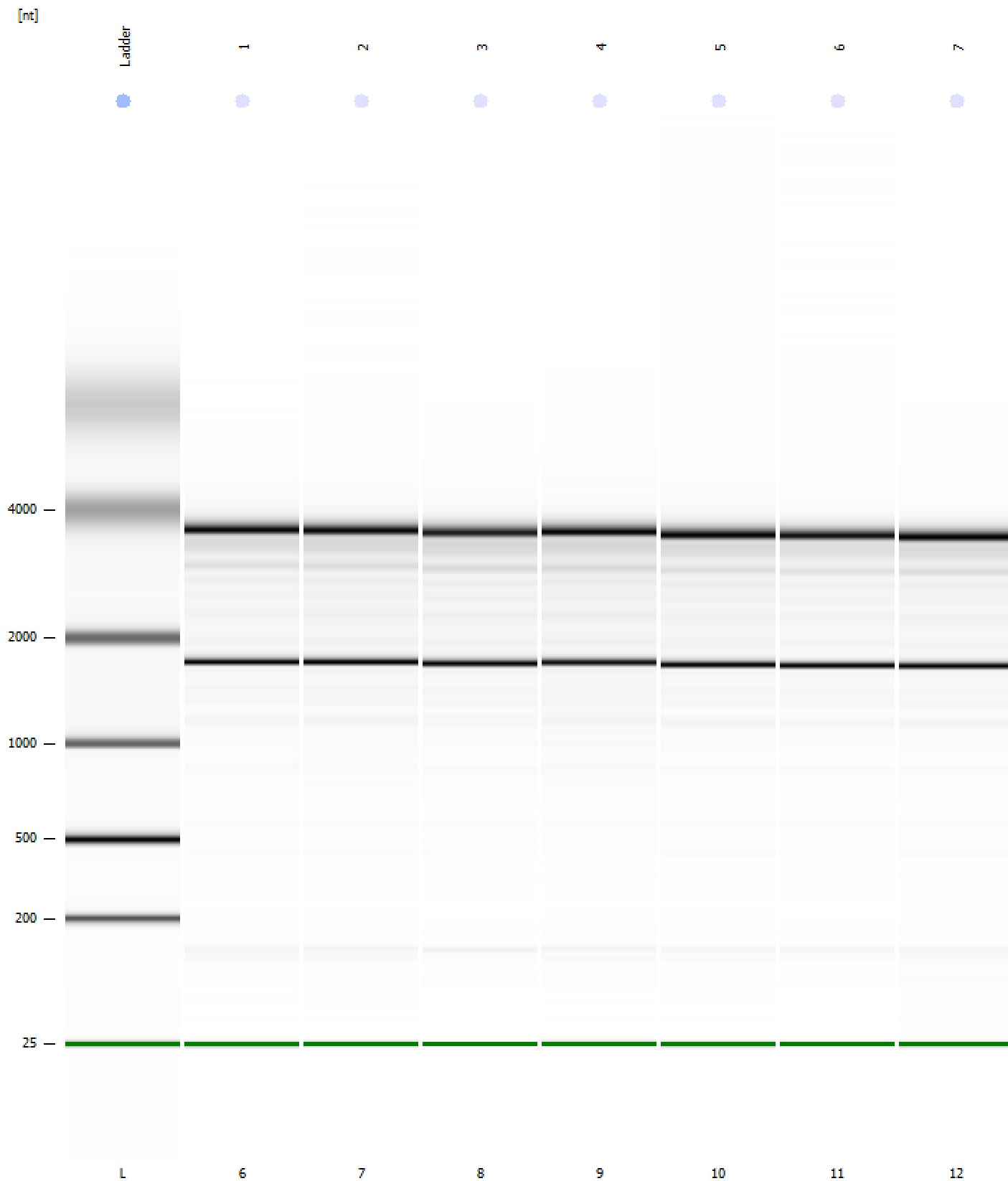
Fragment table for sample 12 : 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	1,865	34.6	20.6
28S	3,159	4,045	55.2	32.8

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
Modified: 8/6/2020 1:59:13 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-06\QC0627_1.xad

Created: 8/6/2020 1:28:56 PM
 Modified: 8/6/2020 1:59:13 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		8/6/2020 1:52:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-06\Bioanalyze_r1_Eukaryote Total RNA Nano_2020-08-06_001.xad)		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/6/2020 1:29:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB