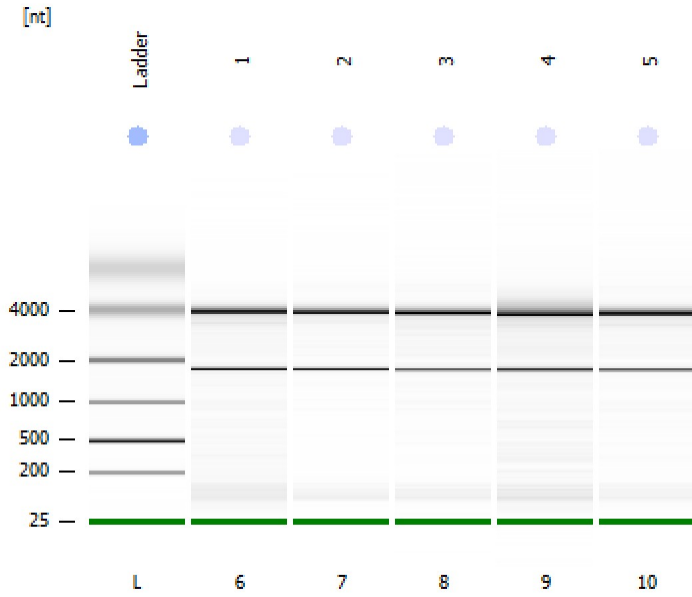


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 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\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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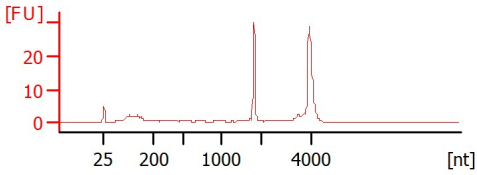
Chip Information:

Chip Lot #:

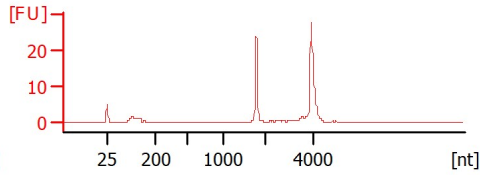
Reagent Kit Lot #:

Chip Comments:

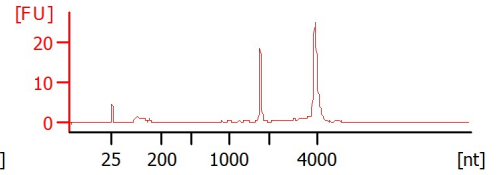
1
QC0645
RIN: 8.50



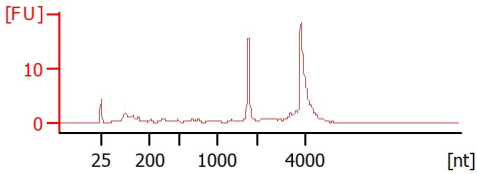
2
QC0645
RIN: 9.90



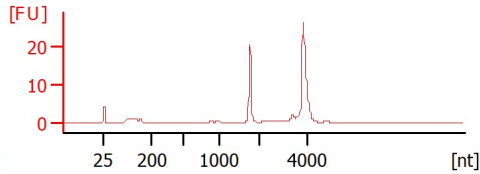
3
QC0645
RIN: 9.60



4
QC0645
RIN: 8.70



5
QC0645
RIN: 9.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
 Modified: 8/28/2020 10:03:14 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	QC0645	✓	RIN: 8.50	
2	QC0645	✓	RIN: 9.90	
3	QC0645	✓	RIN: 9.60	
4	QC0645	✓	RIN: 8.70	
5	QC0645	✓	RIN: 9.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 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

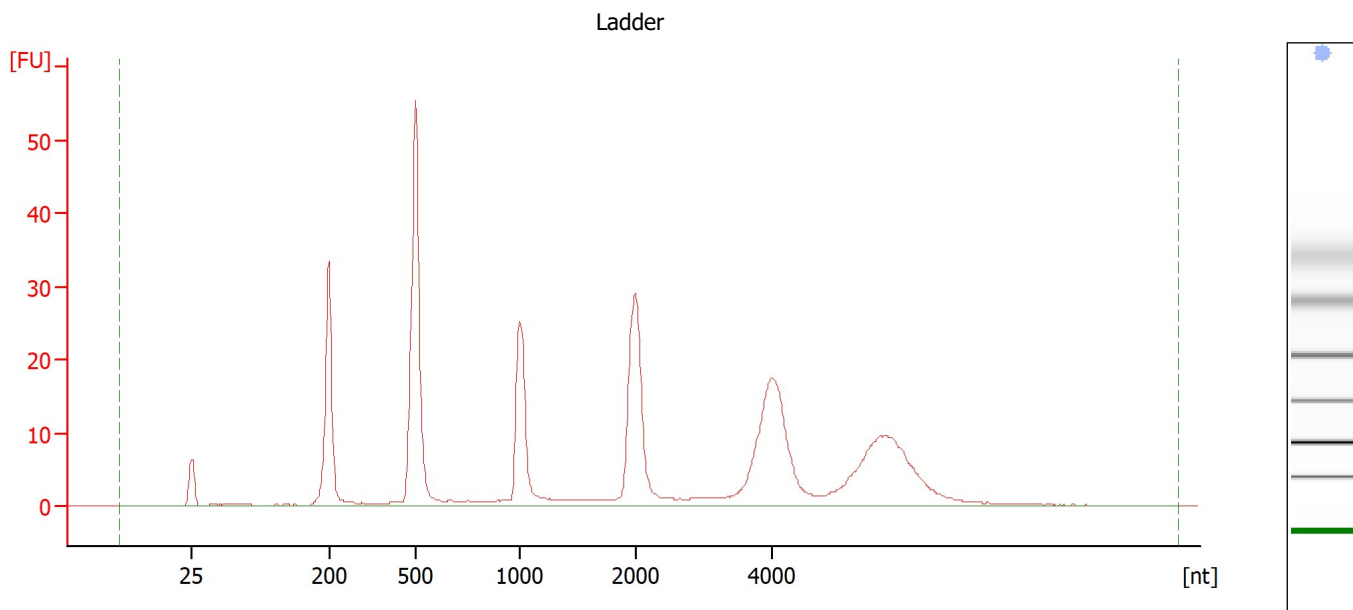
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 AM

Electropherogram Summary



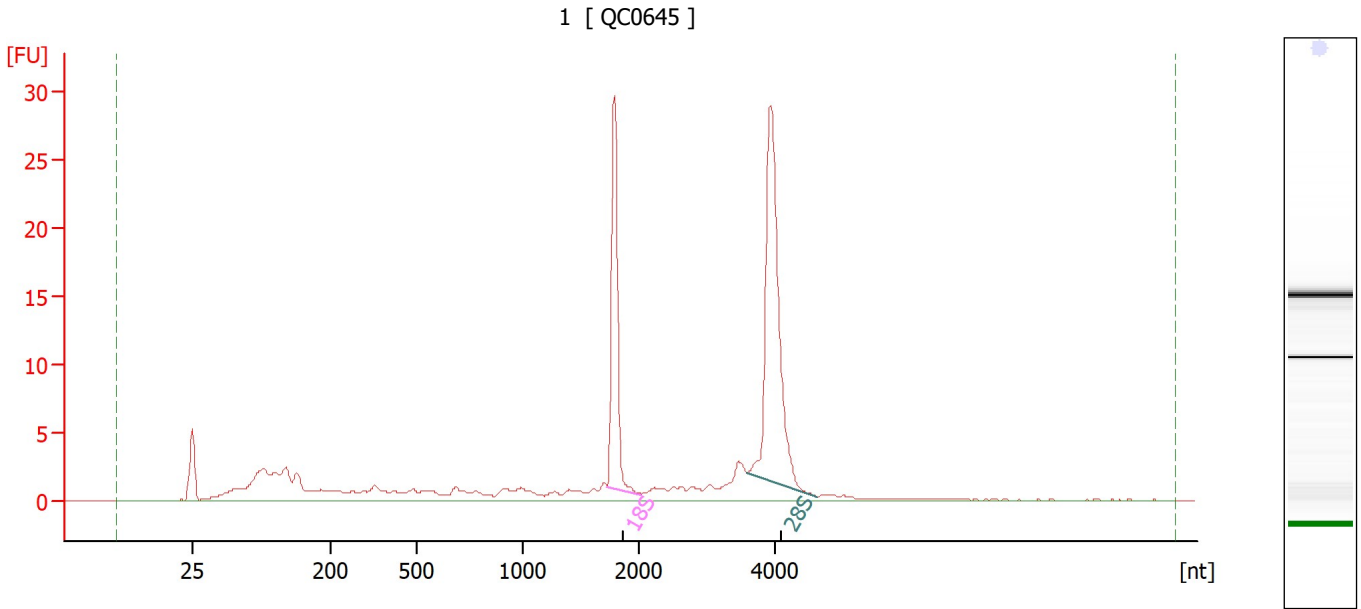
Overall Results for Ladder

RNA Area:	337.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 1

RNA Area:	131.9	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.50

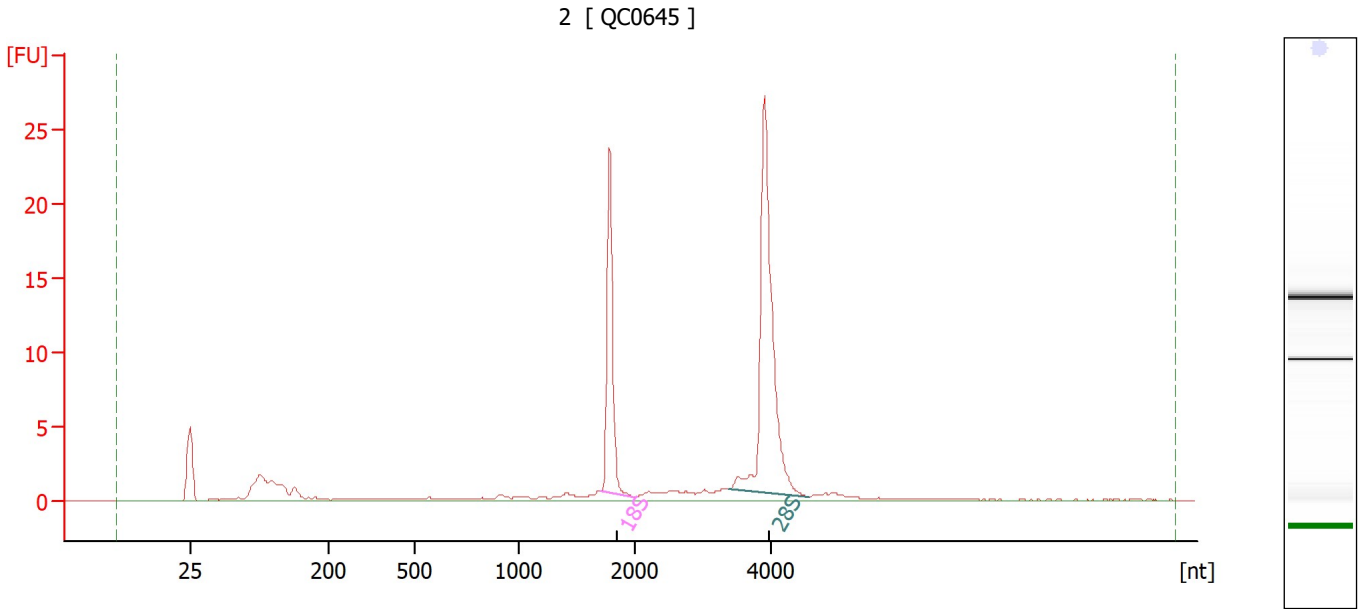
Fragment table for sample 6 : 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,050	20.2	15.3
28S	3,587	4,596	37.6	28.5

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : 2

RNA Area: 85.5 RNA Integrity Number (RIN): 9.9 (B.02.10)
RNA Concentration: 38 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.90

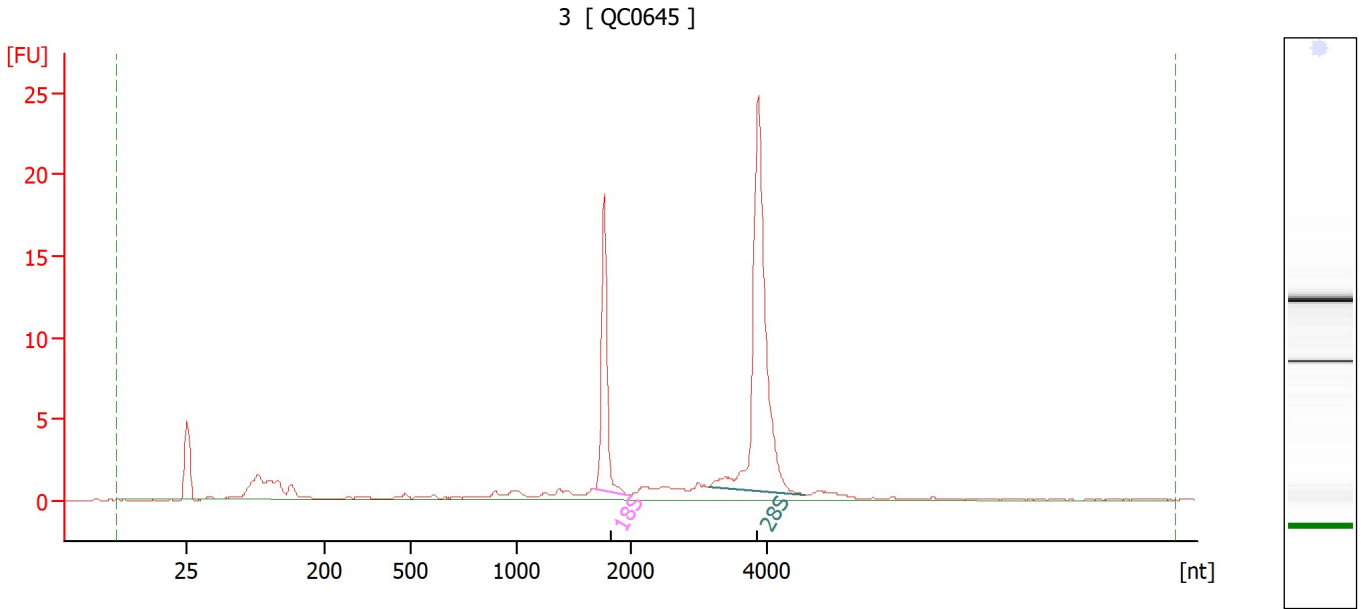
Fragment table for sample 7 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	1,991	17.0	19.9
28S	3,373	4,542	34.4	40.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 3

RNA Area:	80.4	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 9.60

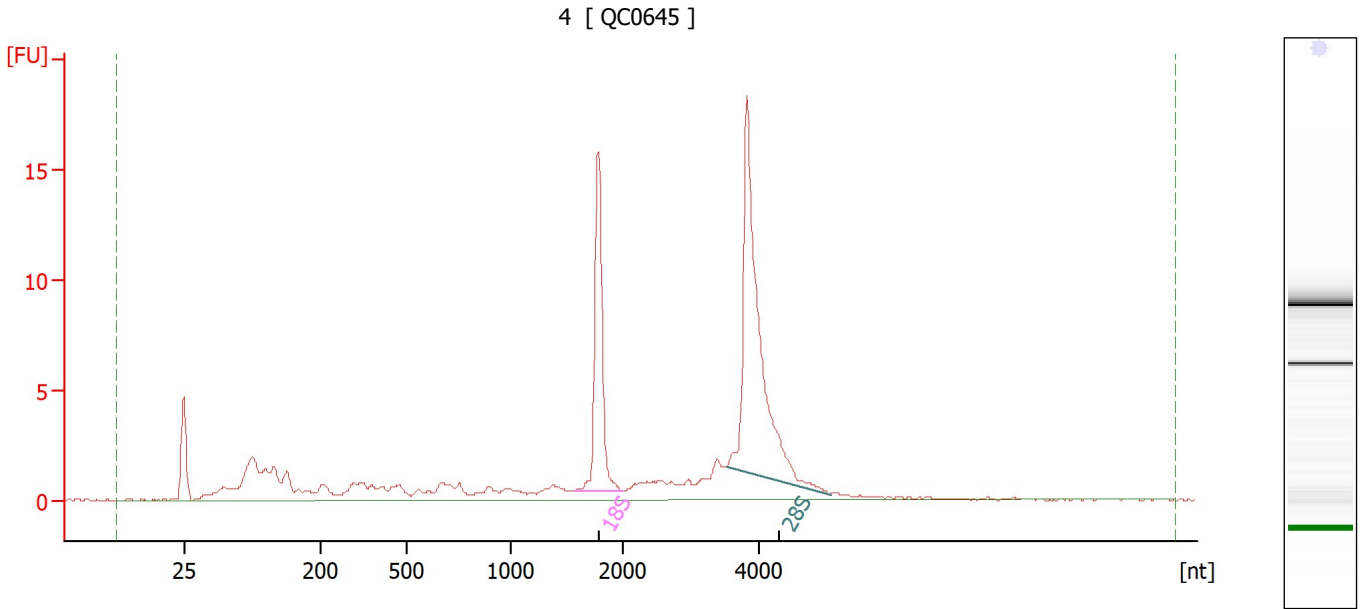
Fragment table for sample 8 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	1,980	13.6	16.9
28S	3,157	4,551	32.9	40.9

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4

RNA Area:	100.3	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	45 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.70

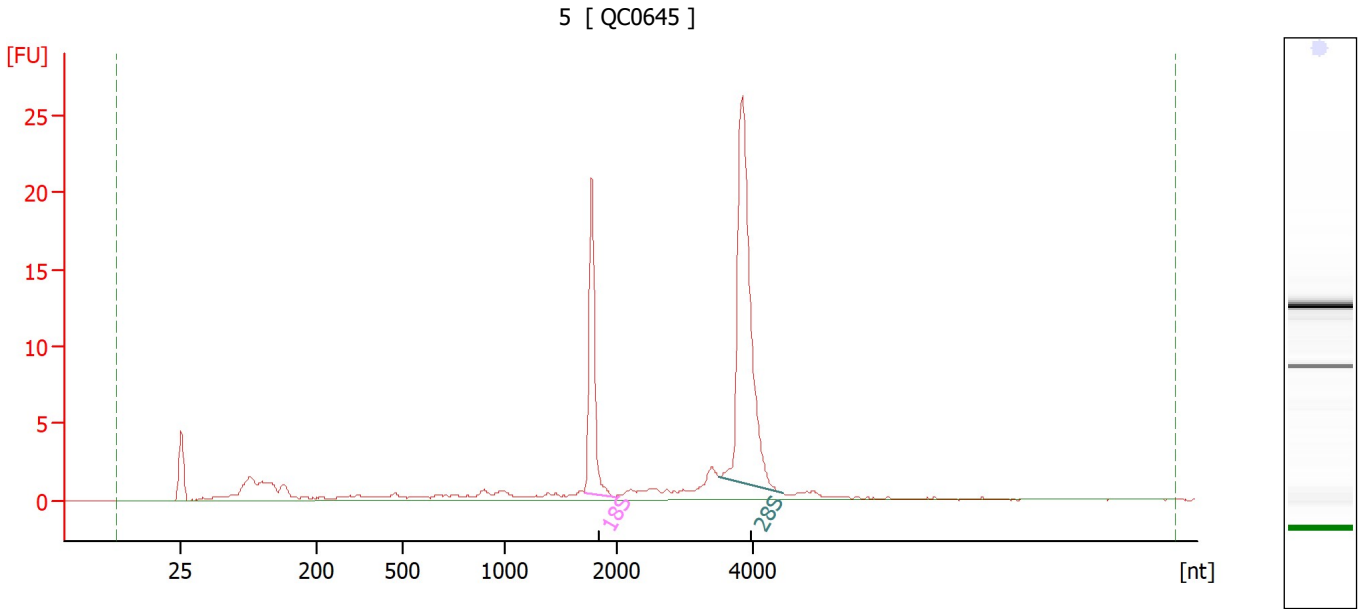
Fragment table for sample 9 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,562	1,987	14.3	14.2
28S	3,507	5,052	29.2	29.1

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 5

RNA Area:	91.1	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	40 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.50

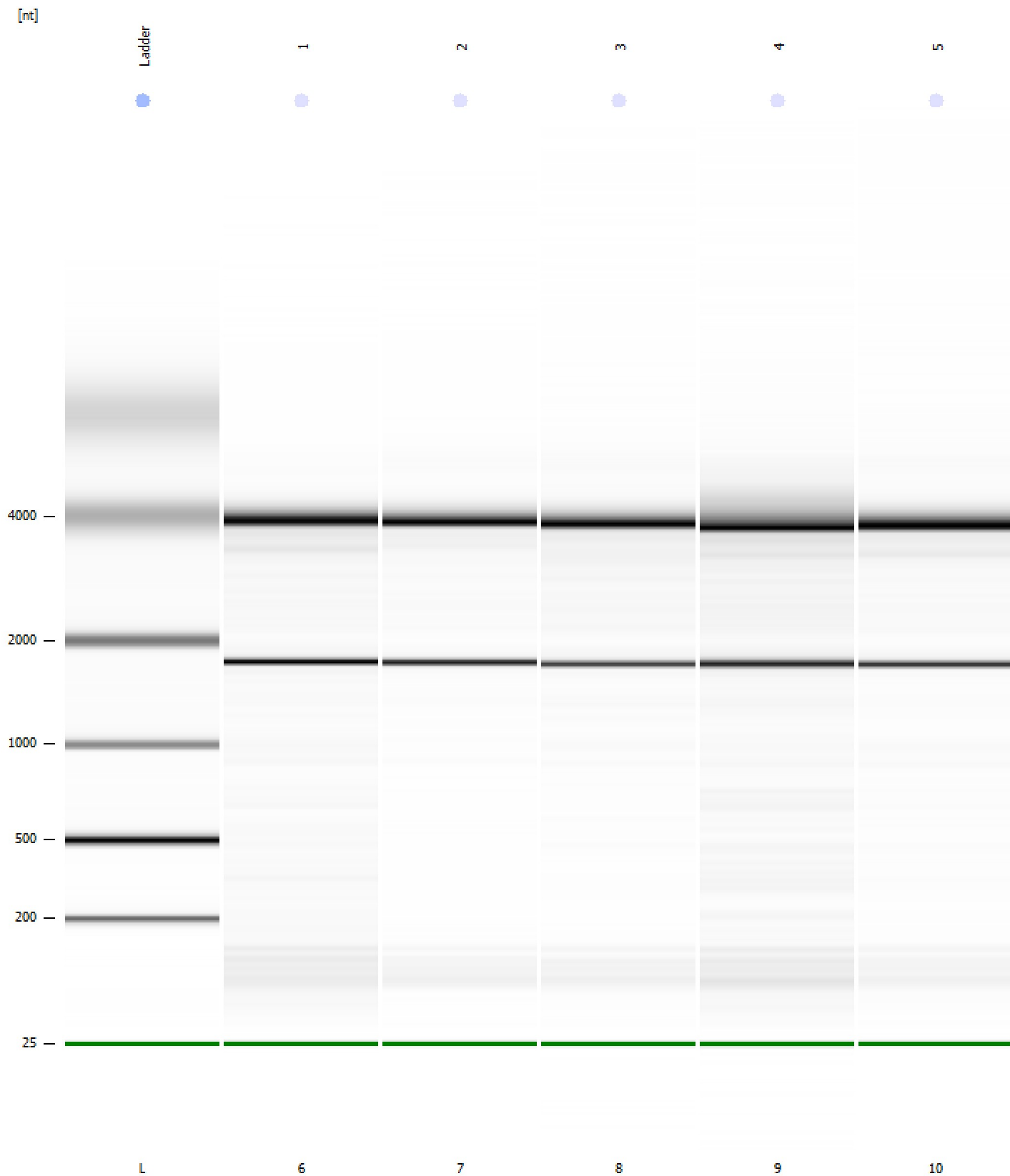
Fragment table for sample 10 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	1,974	15.9	17.4
28S	3,513	4,449	35.0	38.4

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
Modified: 8/28/2020 10:03:14 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\XADs\2020-08-27\QC0645.xad

Created: 8/27/2020 2:43:53 PM
 Modified: 8/28/2020 10:03:14 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		8/27/2020 3:06:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-27\Bioanalyze_r1_Eukaryote Total RNA Nano_2020-08-27_001.xad)		Instrument	Run		8/27/2020 2:43:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/27/2020 2:43:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/27/2020 2:43:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/27/2020 2:43:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/27/2020 2:43:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/27/2020 2:43:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/27/2020 2:43:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB