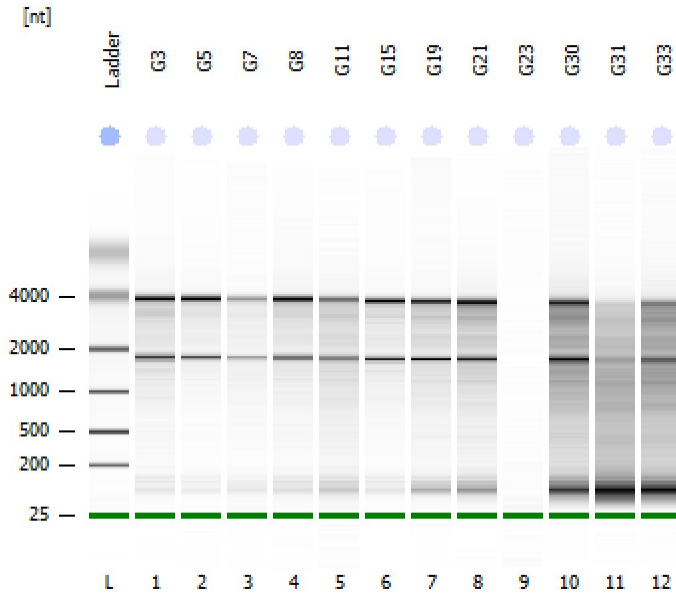


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
Modified: 11/2/2020 1:58:16 PM

Electrophoresis File Run Summary



Instrument Information:

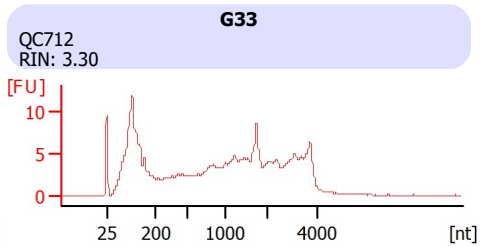
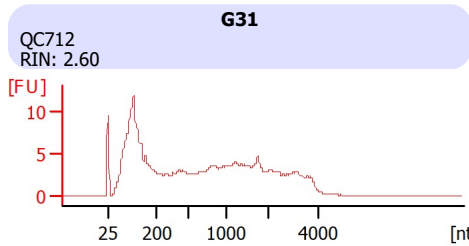
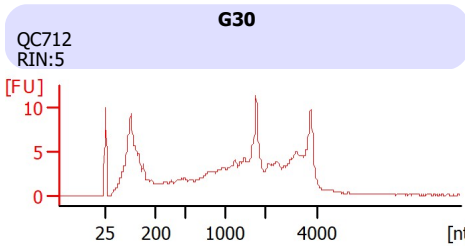
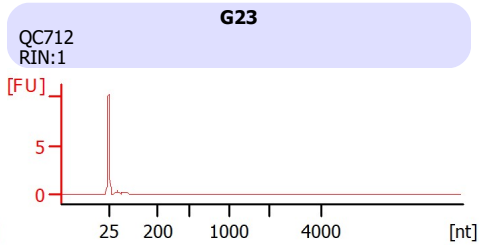
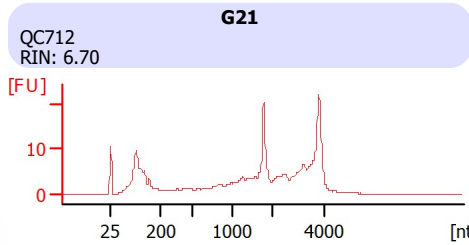
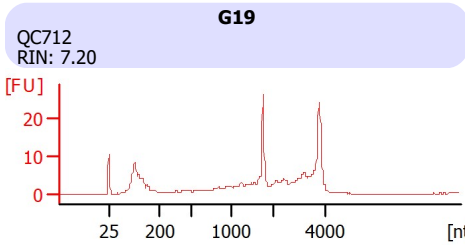
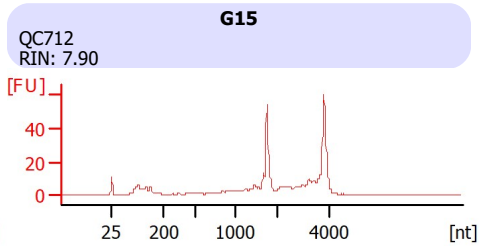
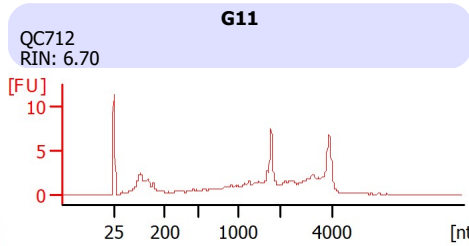
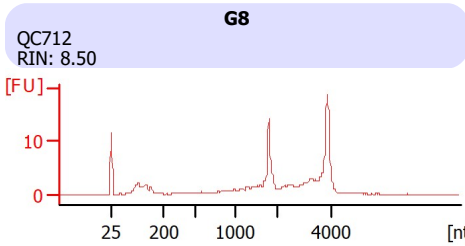
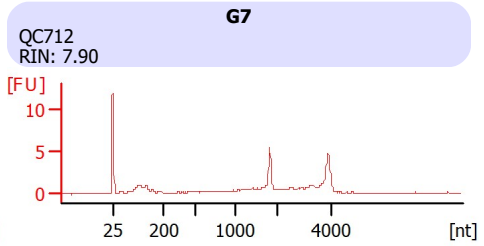
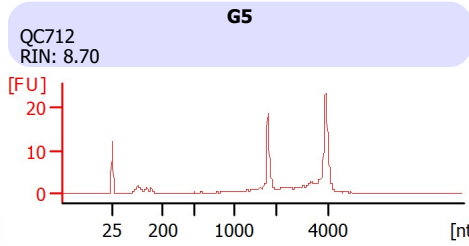
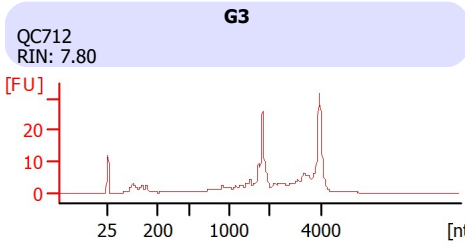
Instrument Name: DE34903152 Firmware: C.01.069
 Serial#: DE34903152 Type: G2938C

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:



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
G3	QC712	✓	RIN: 7.80	
G5	QC712	✓	RIN: 8.70	
G7	QC712	✓	RIN: 7.90	
G8	QC712	✓	RIN: 8.50	
G11	QC712	✓	RIN: 6.70	
G15	QC712	✓	RIN: 7.90	
G19	QC712	✓	RIN: 7.20	
G21	QC712	✓	RIN: 6.70	
G23	QC712	✓	RIN:1	
G30	QC712	✓	RIN:5	
G31	QC712	✓	RIN: 2.60	
G33	QC712	✓	RIN: 3.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 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

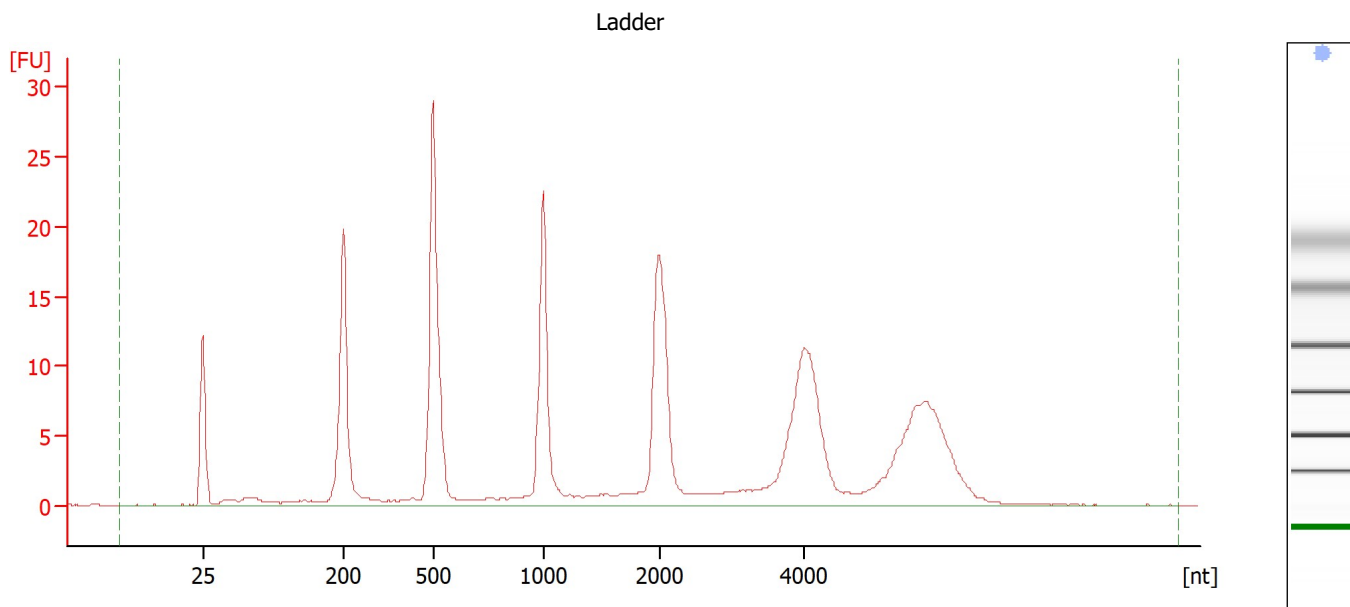
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary



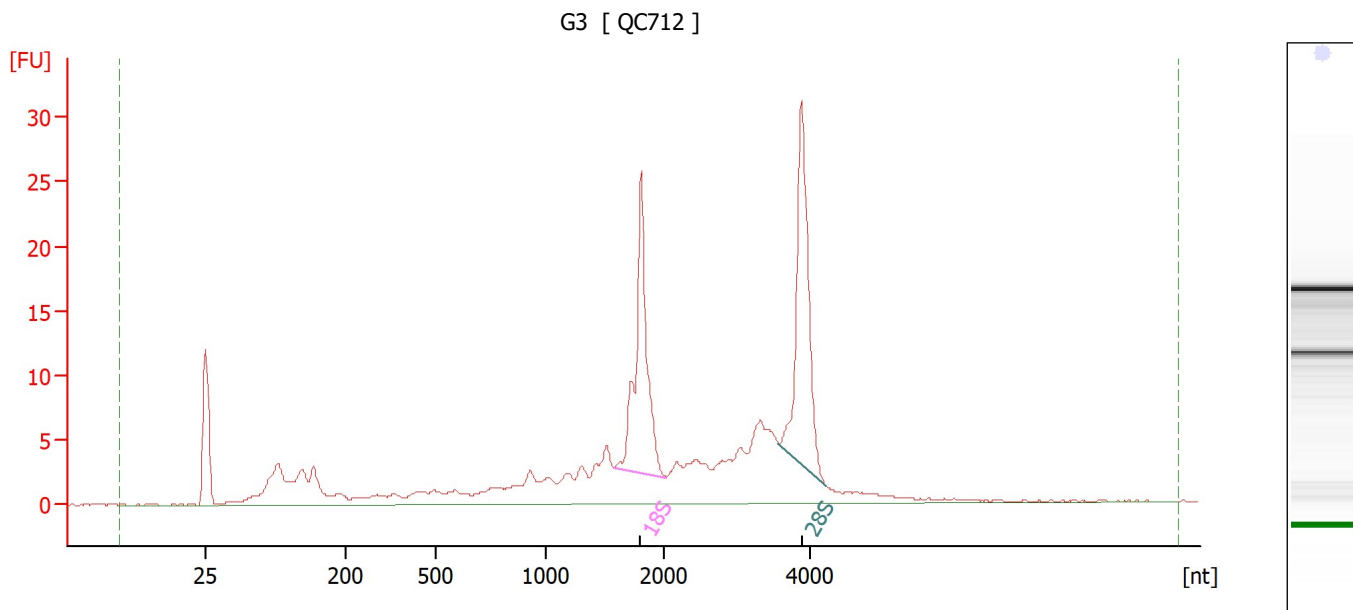
Overall Results for Ladder

RNA Area:	228.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : G3

RNA Area:	212.9	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	140 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.80

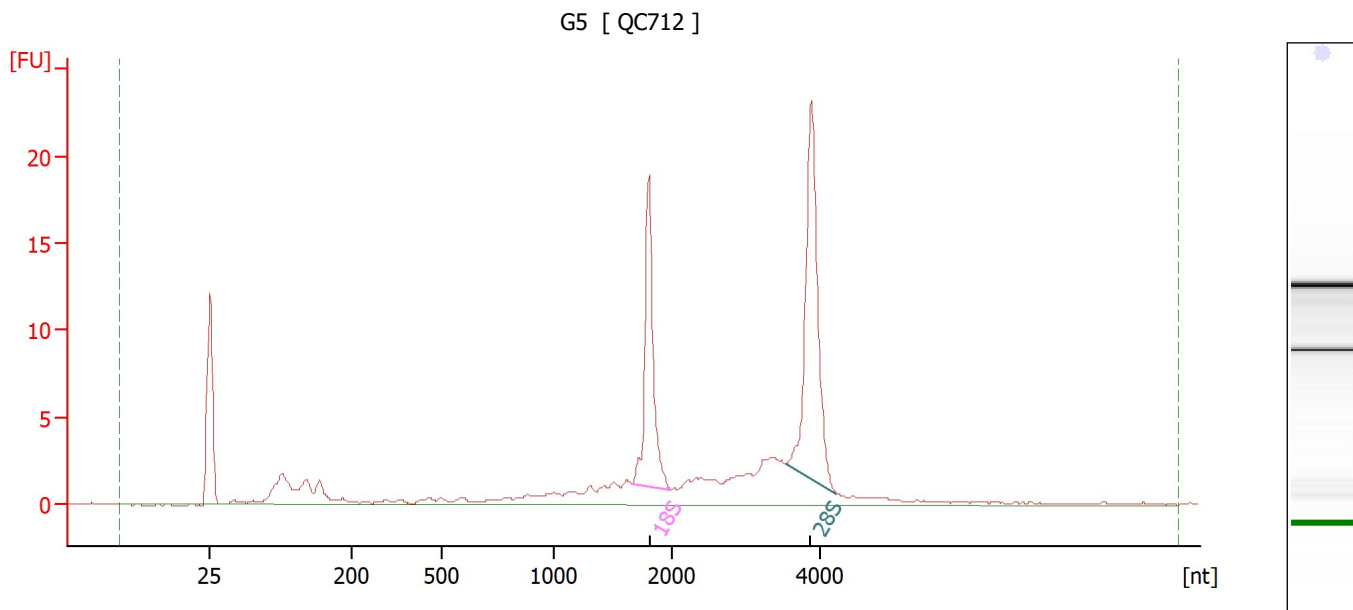
Fragment table for sample 1 : G3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	2,031	31.1	14.6
28S	3,569	4,213	35.0	16.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : G5

RNA Area:	106.8	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.70

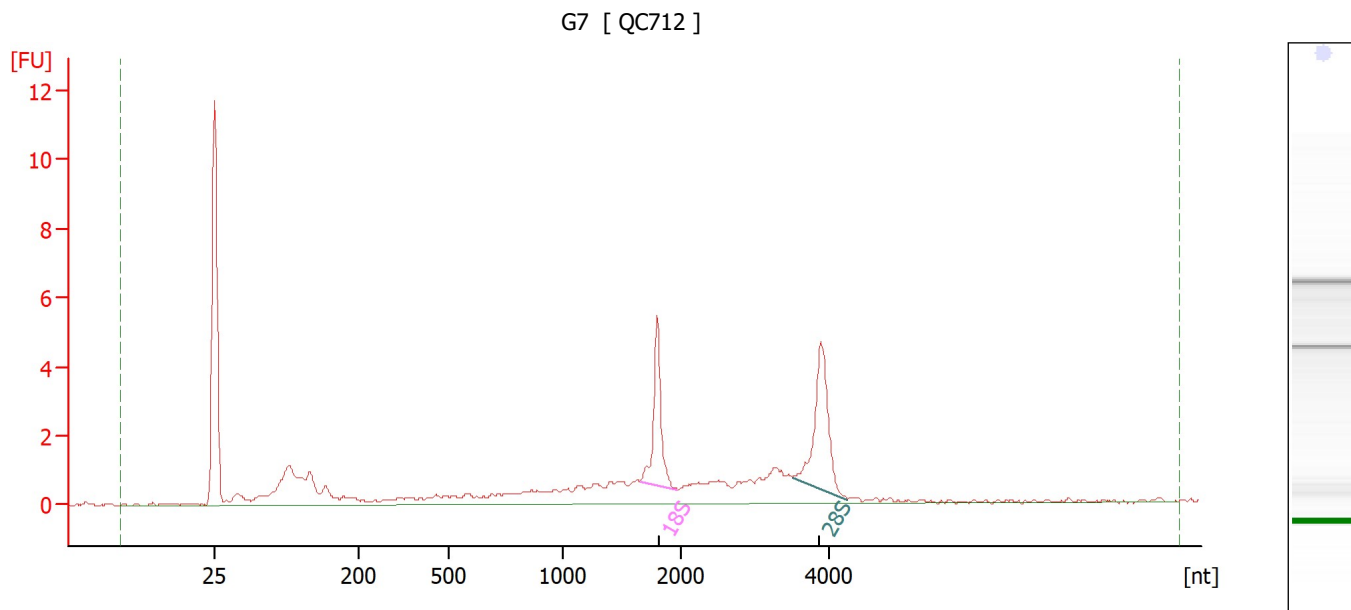
Fragment table for sample 2 : G5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	1,986	17.1	16.0
28S	3,561	4,243	27.5	25.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : G7

RNA Area:	42.8	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.90

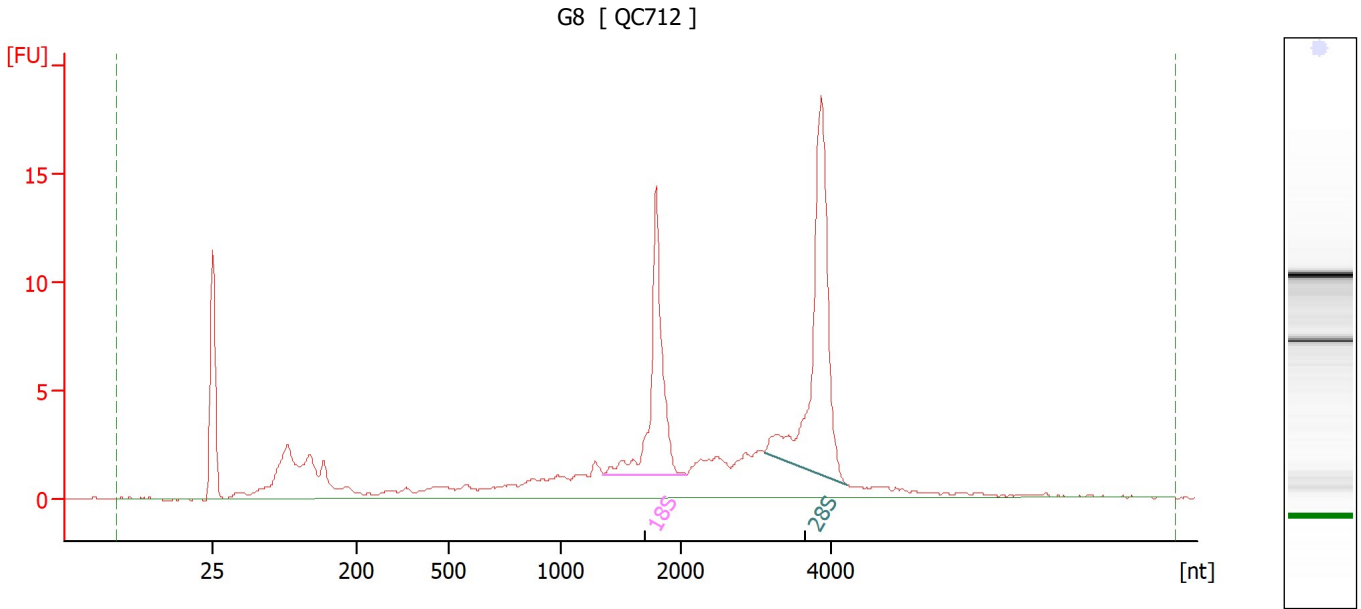
Fragment table for sample 3 : G7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,657	1,971	4.4	10.3
28S	3,495	4,244	5.8	13.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : G8

RNA Area:	121.9	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	80 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.50

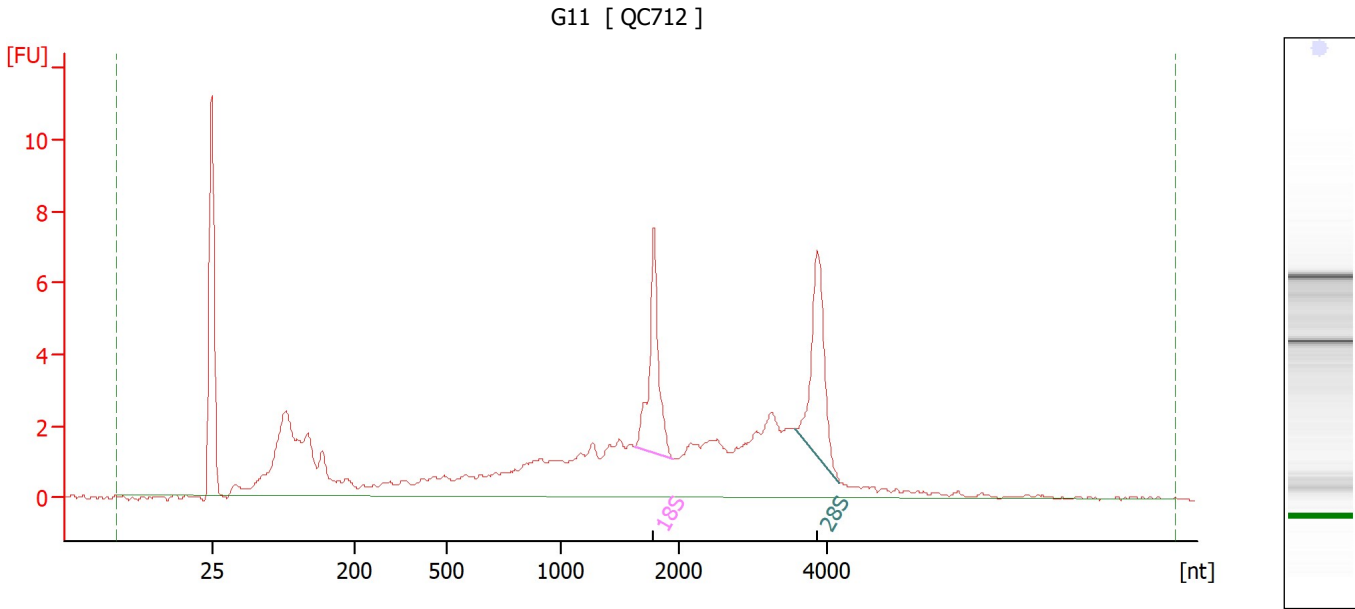
Fragment table for sample 4 : G8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,347	2,072	17.3	14.2
28S	3,119	4,237	27.6	22.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : G11

RNA Area:	90.6	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.70

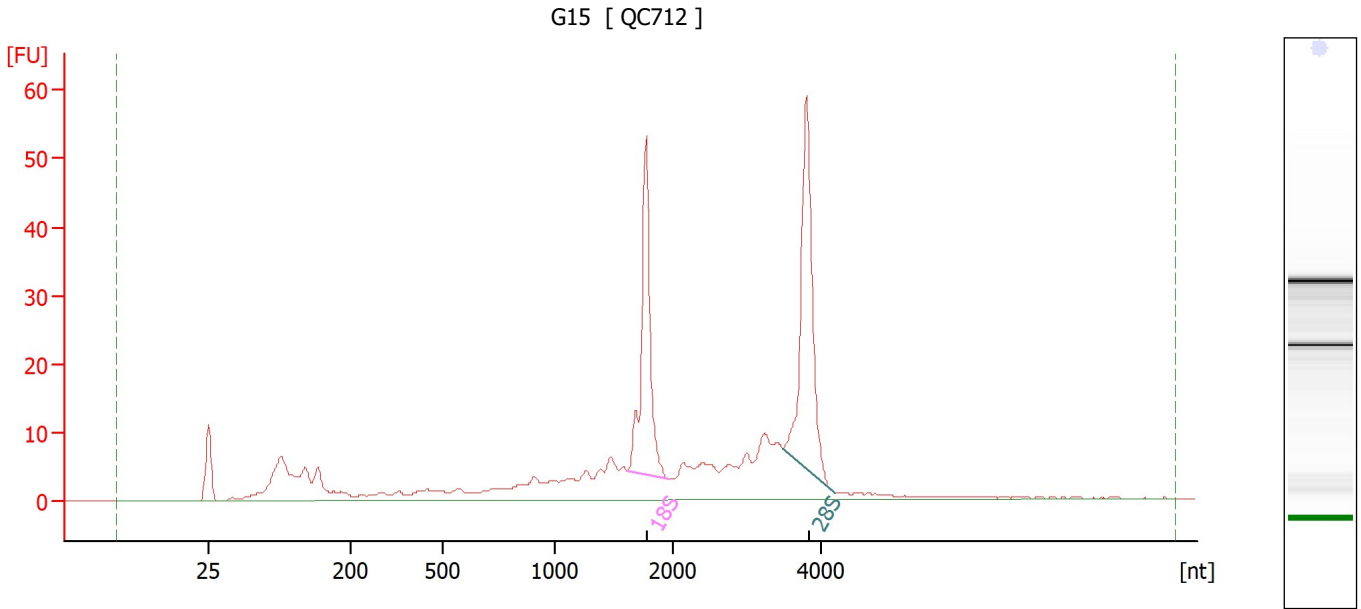
Fragment table for sample 5 : G11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,632	1,954	7.0	7.7
28S	3,565	4,154	7.4	8.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : G15

RNA Area:	339.7	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	223 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.90

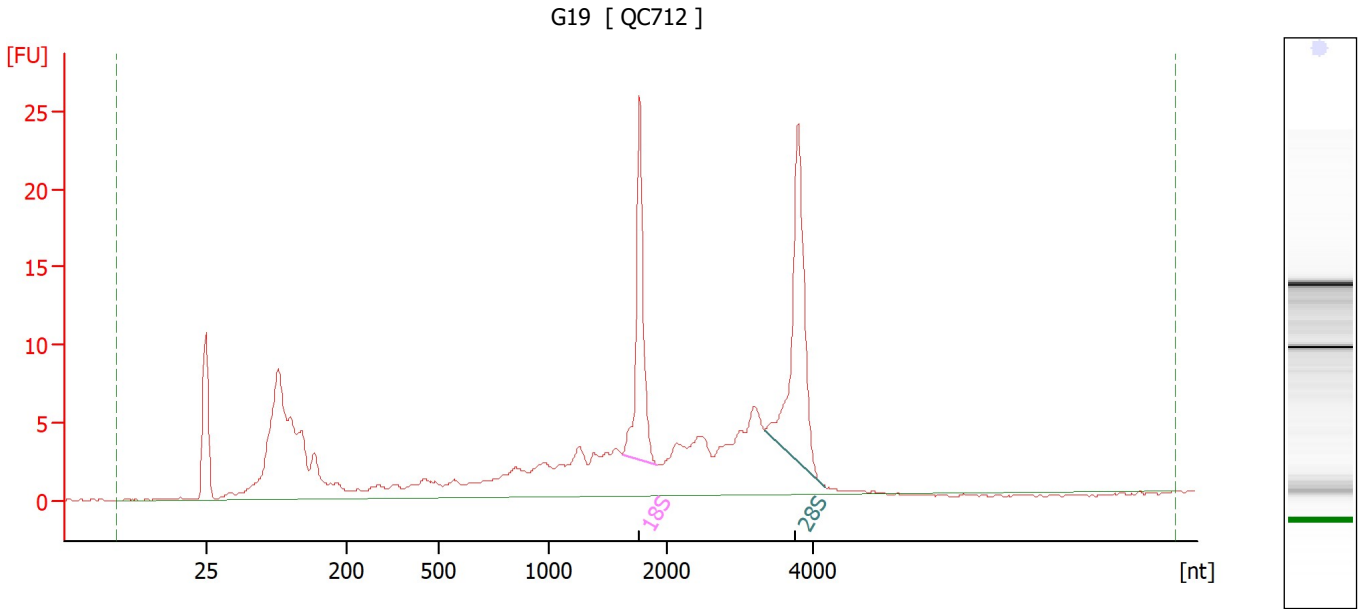
Fragment table for sample 6 : G15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,618	1,961	50.2	14.8
28S	3,499	4,193	62.9	18.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : G19

RNA Area:	207.9	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	136 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.20

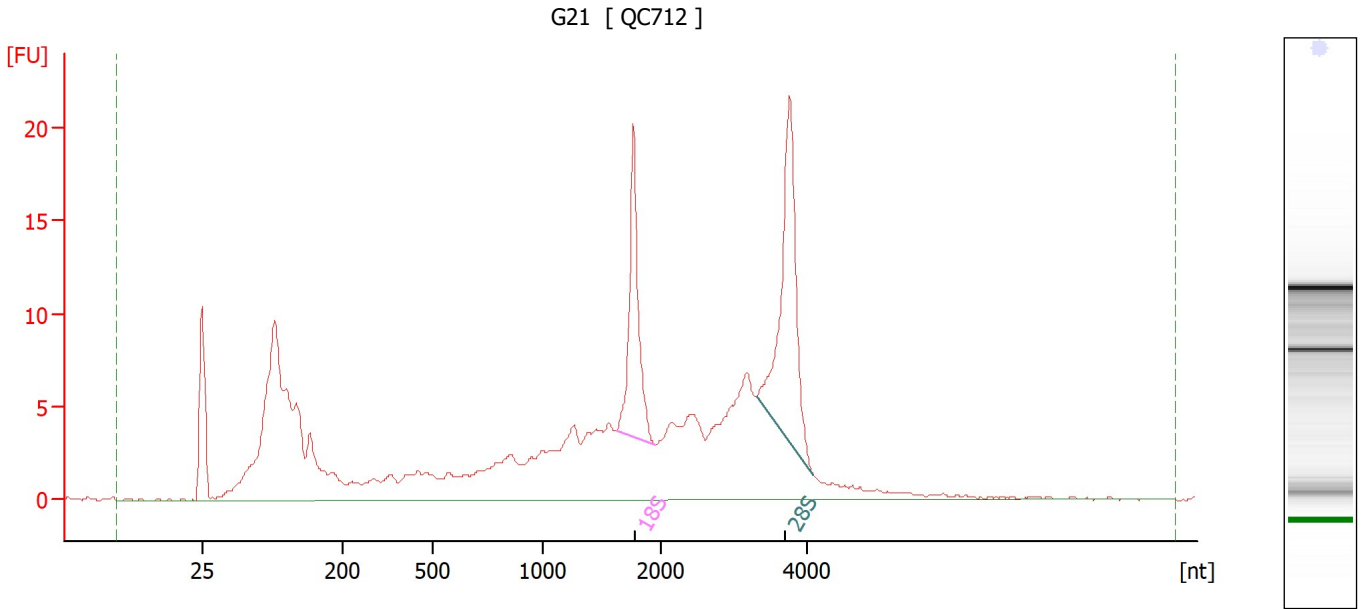
Fragment table for sample 7 : G19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,622	1,922	20.0	9.6
28S	3,330	4,159	28.1	13.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : G21

RNA Area:	263.0	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	173 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 6.70

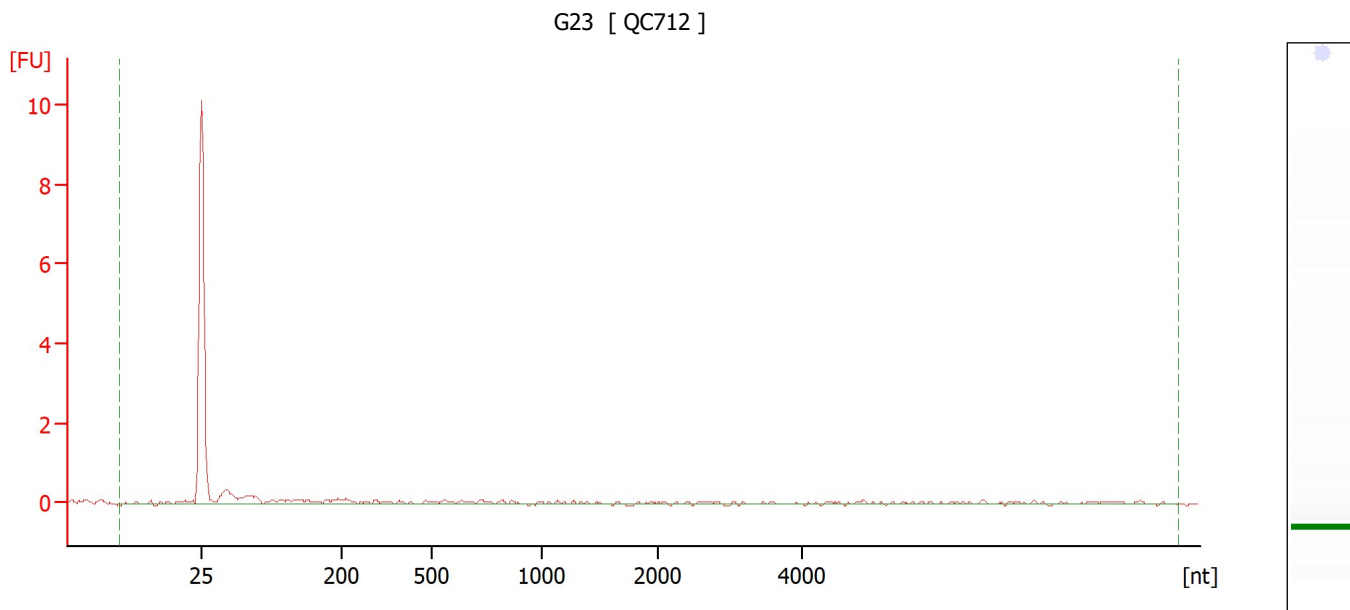
Fragment table for sample 8 : G21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,617	1,955	18.5	7.0
28S	3,305	4,096	28.9	11.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



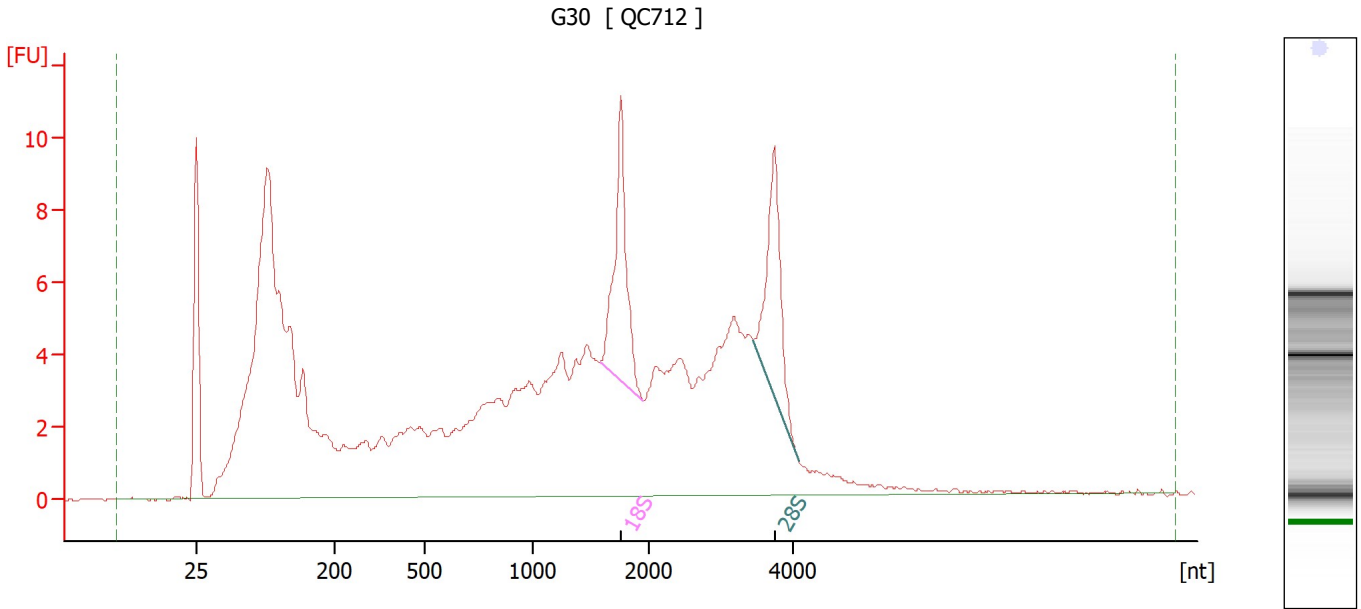
Overall Results for sample 9 : G23

RNA Area:	6.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : G30

RNA Area:	246.2	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	162 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN:5

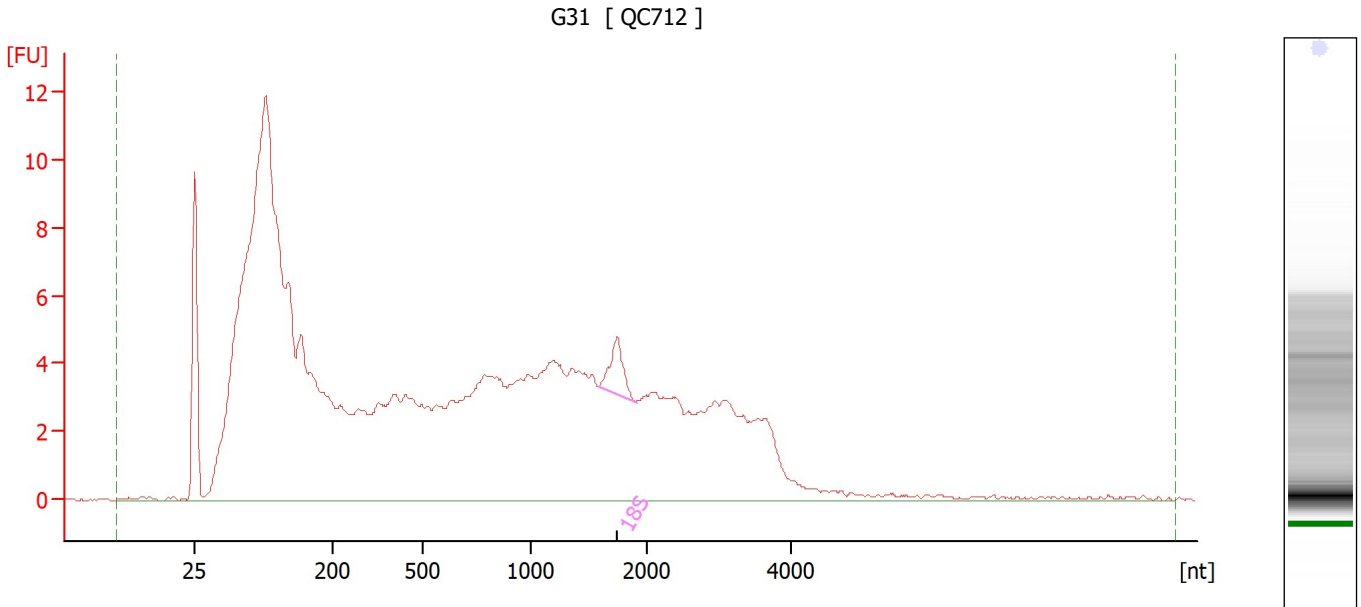
Fragment table for sample 10 : G30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	1,950	11.1	4.5
28S	3,463	4,086	9.7	3.9

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : G31

RNA Area:	288.1	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	189 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

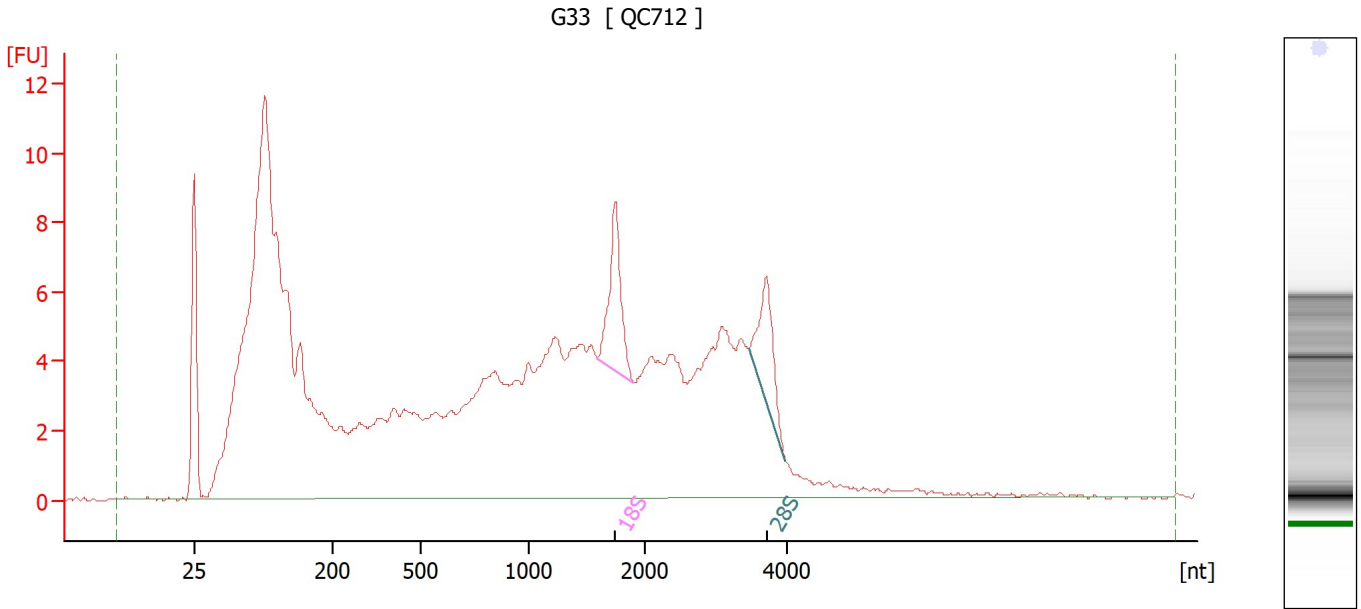
Fragment table for sample 11 : G31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,912	2.7	0.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
 Modified: 11/2/2020 1:58:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : G33

RNA Area:	287.7	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	189 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 3.30

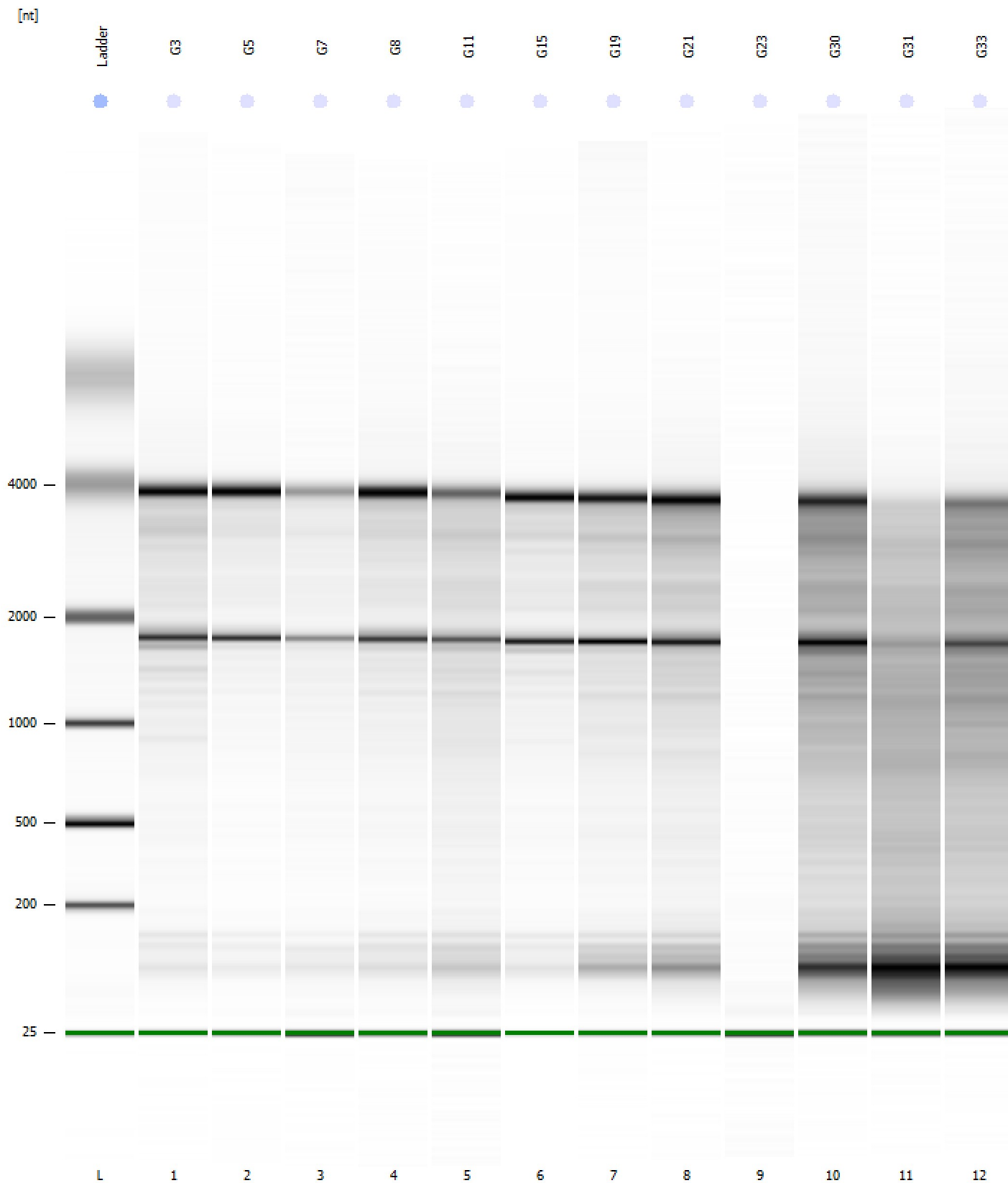
Fragment table for sample 12 : G33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	1,902	6.8	2.4
28S	3,452	3,973	5.4	1.9

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad

Created: 11/2/2020 1:31:27 PM
Modified: 11/2/2020 1:58:16 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 11/2/2020 1:31:27 PM
 Data Path: Z:\...02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad Modified: 11/2/2020 1:58:16 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		11/2/2020 11:55:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-11-02\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-02_001.xad)		Instrument	Run		11/2/2020 11:31:32 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/2/2020 11:31:32 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/2/2020 11:31:32 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/2/2020 11:31:32 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/2/2020 11:31:32 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/2/2020 11:31:32 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/2/2020 11:31:32 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB