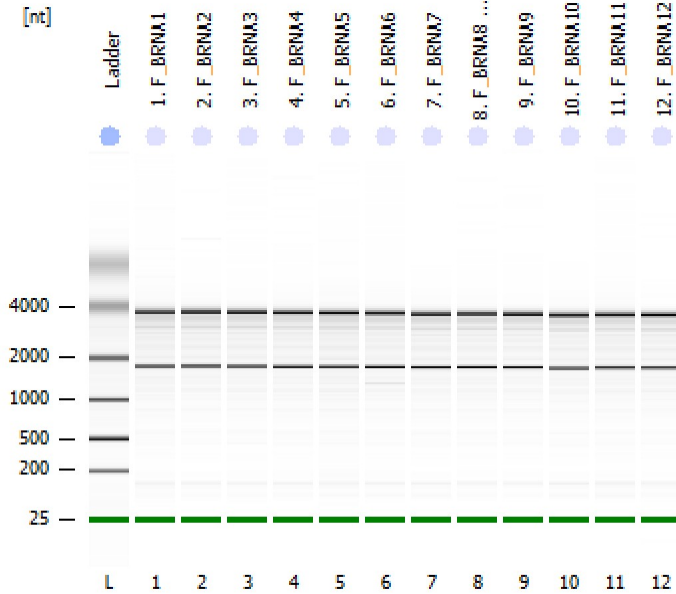


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
Modified: 9/21/2020 5:13:35 PM

Electrophoresis File Run Summary



Instrument Information:

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

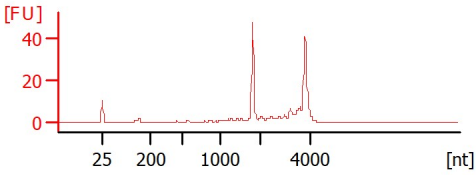
Assay Information:

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.

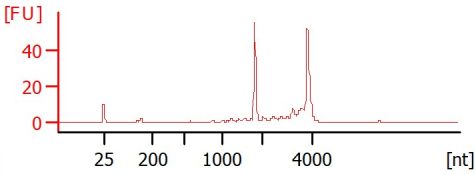
Chip Information:

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

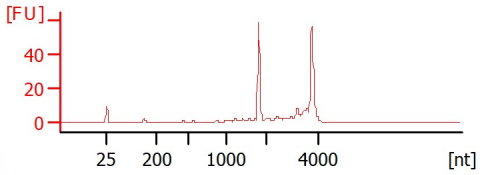
1. F_BRNA1
QC662
RIN: 8.40



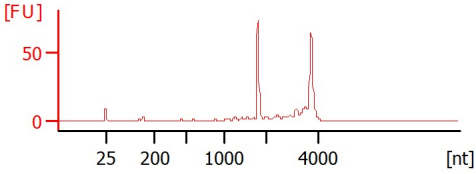
2. F_BRNA2
QC662
RIN: 8.70



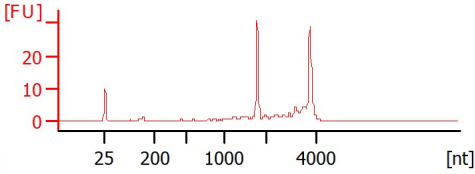
3. F_BRNA3
QC662
RIN: 8.70



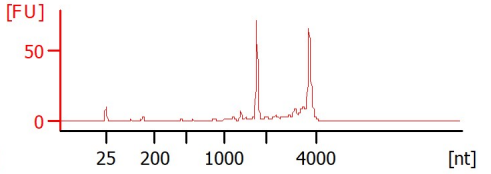
4. F_BRNA4
QC662
RIN: 8.50



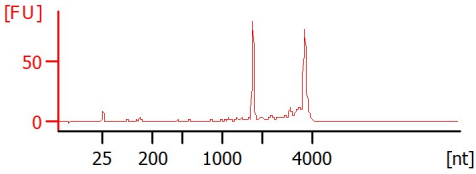
5. F_BRNA5
QC662
RIN: 8.40



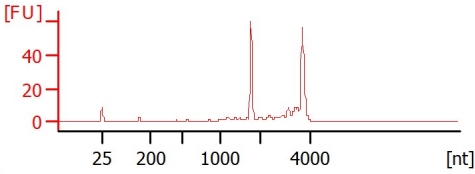
6. F_BRNA6
QC662
RIN: 8.40



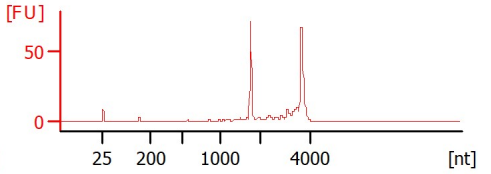
7. F_BRNA7
QC662
RIN: 8.40



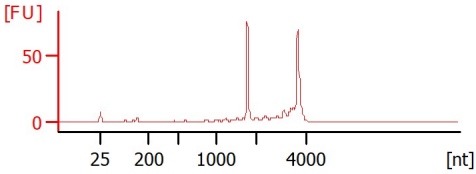
8. F_BRNA8 (dil. 1:2)
QC662
RIN: 8.50



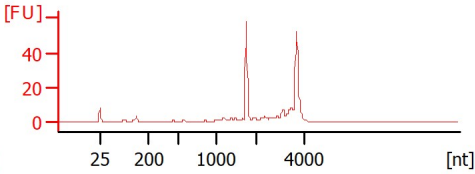
9. F_BRNA9
QC662
RIN: 8.70



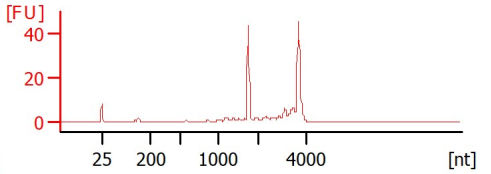
10. F_BRNA10
QC662
RIN: 8.50



11. F_BRNA11
QC662
RIN: 8.40



12. F_BRNA12
QC662
RIN: 8.70



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1. F_BRNA1	QC662	✓	RIN: 8.40	
2. F_BRNA2	QC662	✓	RIN: 8.70	
3. F_BRNA3	QC662	✓	RIN: 8.70	
4. F_BRNA4	QC662	✓	RIN: 8.50	
5. F_BRNA5	QC662	✓	RIN: 8.40	
6. F_BRNA6	QC662	✓	RIN: 8.40	
7. F_BRNA7	QC662	✓	RIN: 8.40	
8. F_BRNA8 (dil. 1:2)	QC662	✓	RIN: 8.50	
9. F_BRNA9	QC662	✓	RIN: 8.70	
10. F_BRNA10	QC662	✓	RIN: 8.50	
11. F_BRNA11	QC662	✓	RIN: 8.40	
12. F_BRNA12	QC662	✓	RIN: 8.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 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

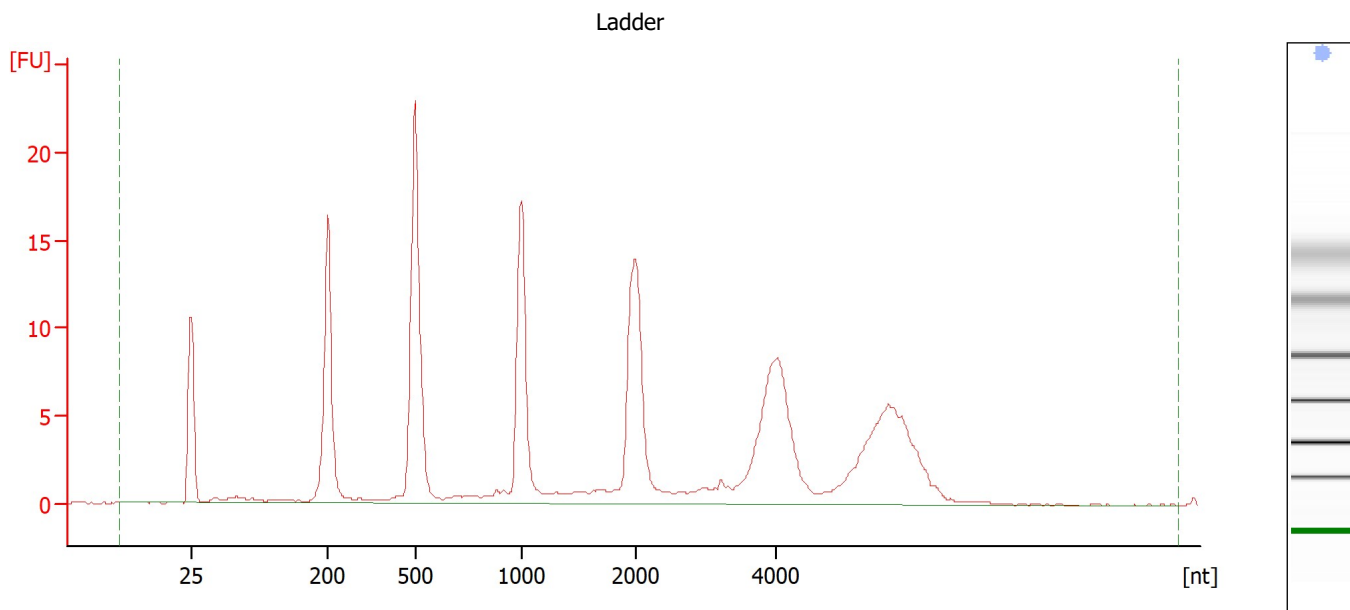
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary



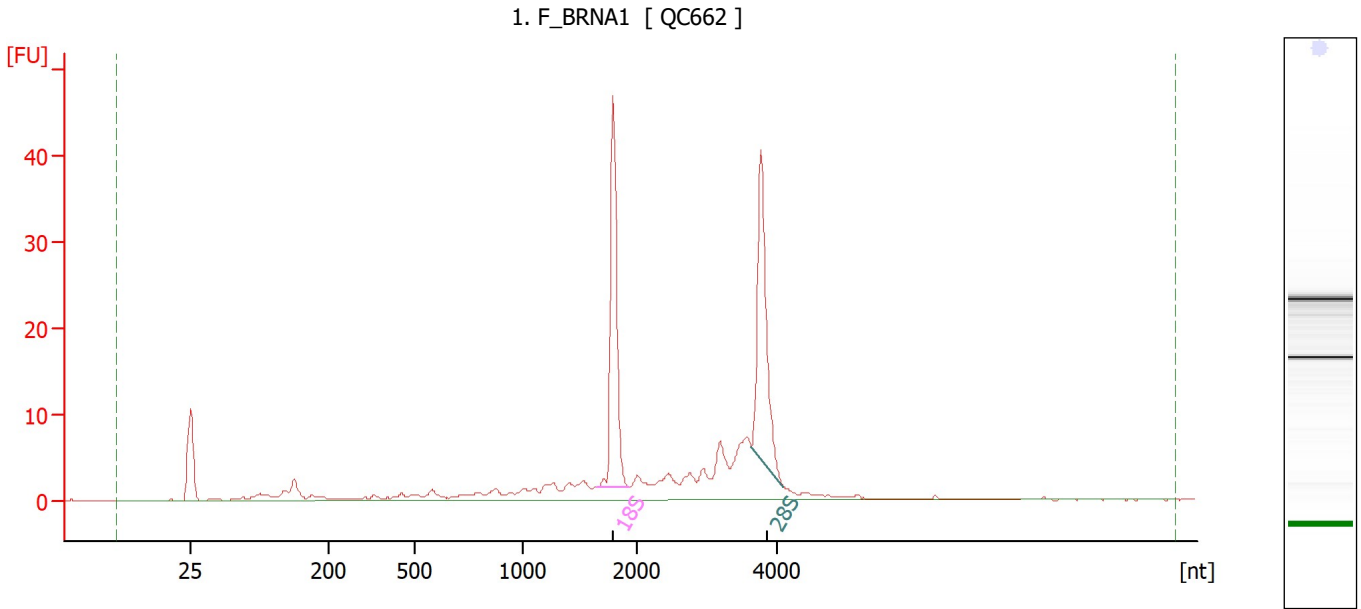
Overall Results for Ladder

RNA Area:	184.3	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1. F BRNA1

RNA Area:	168.9	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	137 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.40

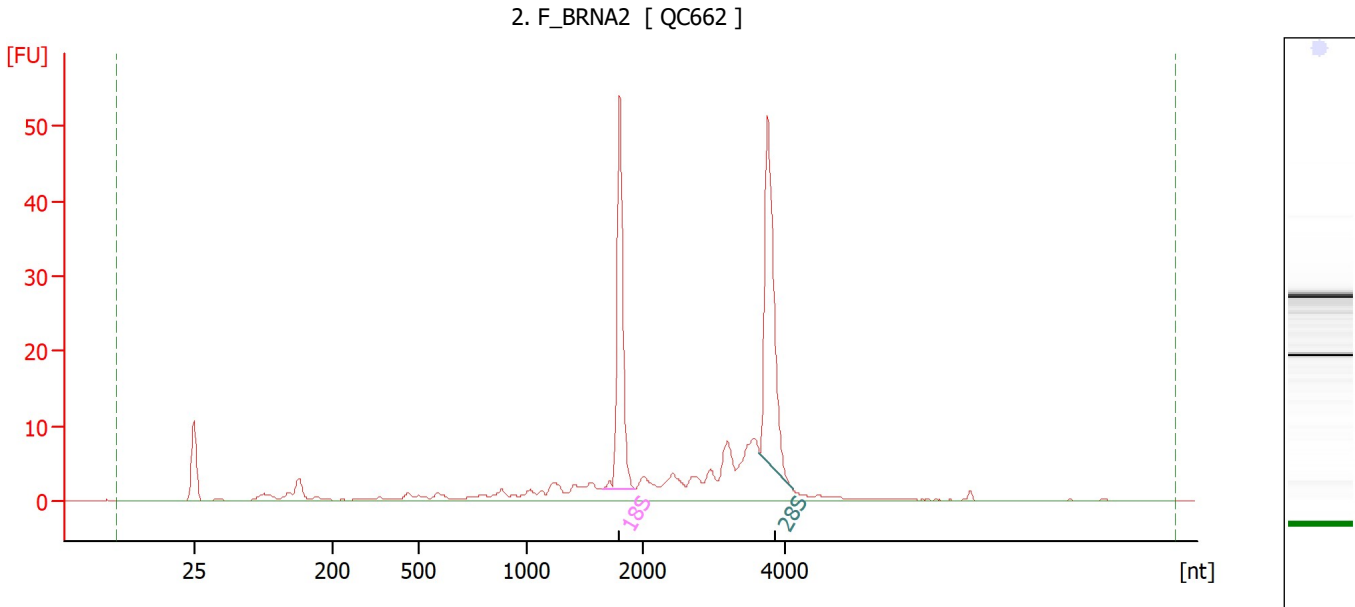
Fragment table for sample 1 : 1. F BRNA1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,935	34.1	20.2
28S	3,632	4,084	34.8	20.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2. F BRNA2

RNA Area:	193.3	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	157 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.70

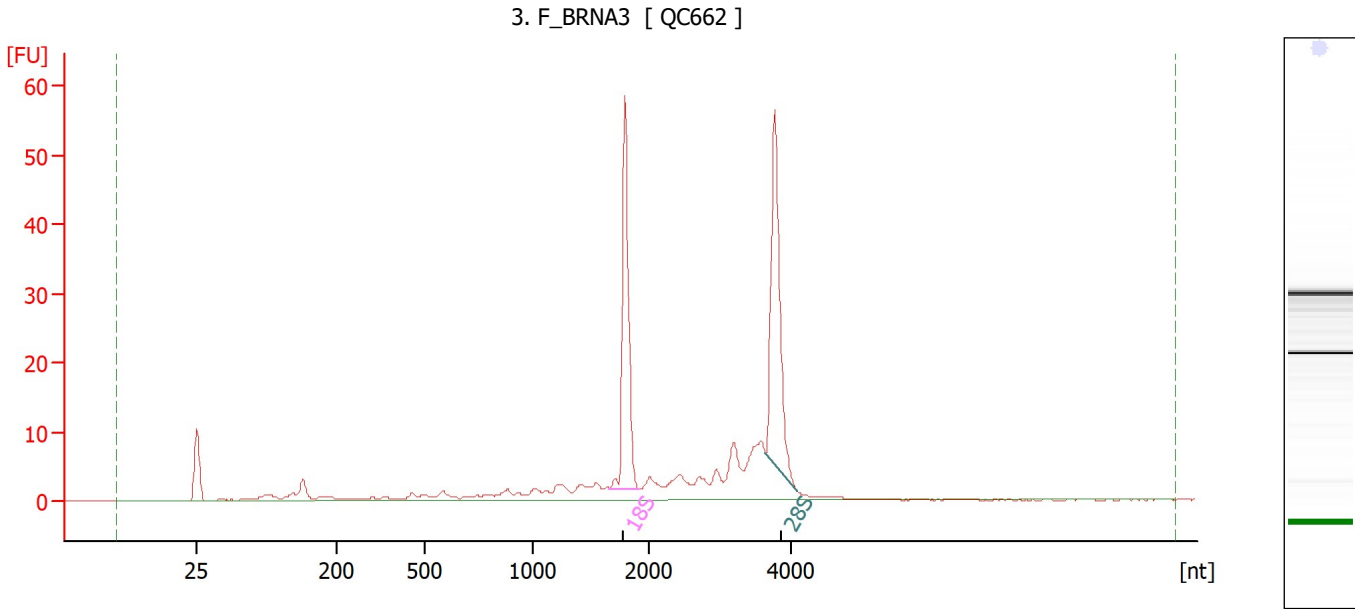
Fragment table for sample 2 : 2. F BRNA2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	1,929	40.0	20.7
28S	3,640	4,105	44.6	23.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3. F BRNA3

RNA Area:	202.1	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	164 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.70

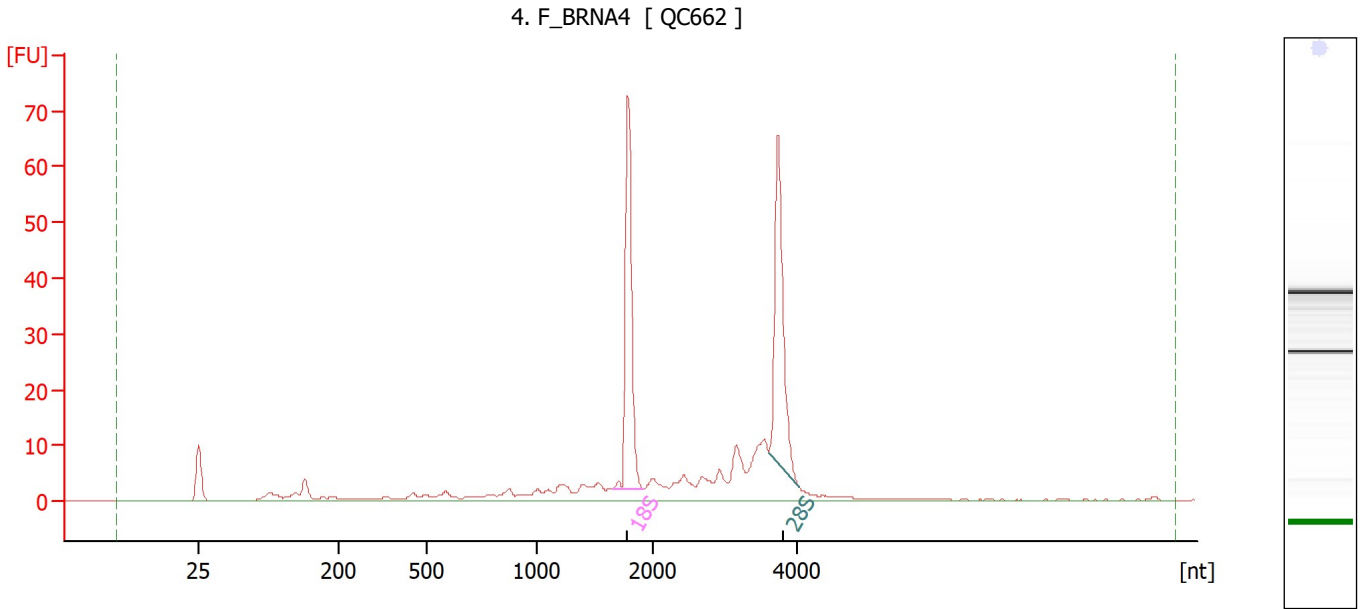
Fragment table for sample 3 : 3. F BRNA3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,923	42.2	20.9
28S	3,634	4,065	47.1	23.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4. F BRNA4

RNA Area:	251.7	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	205 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.50

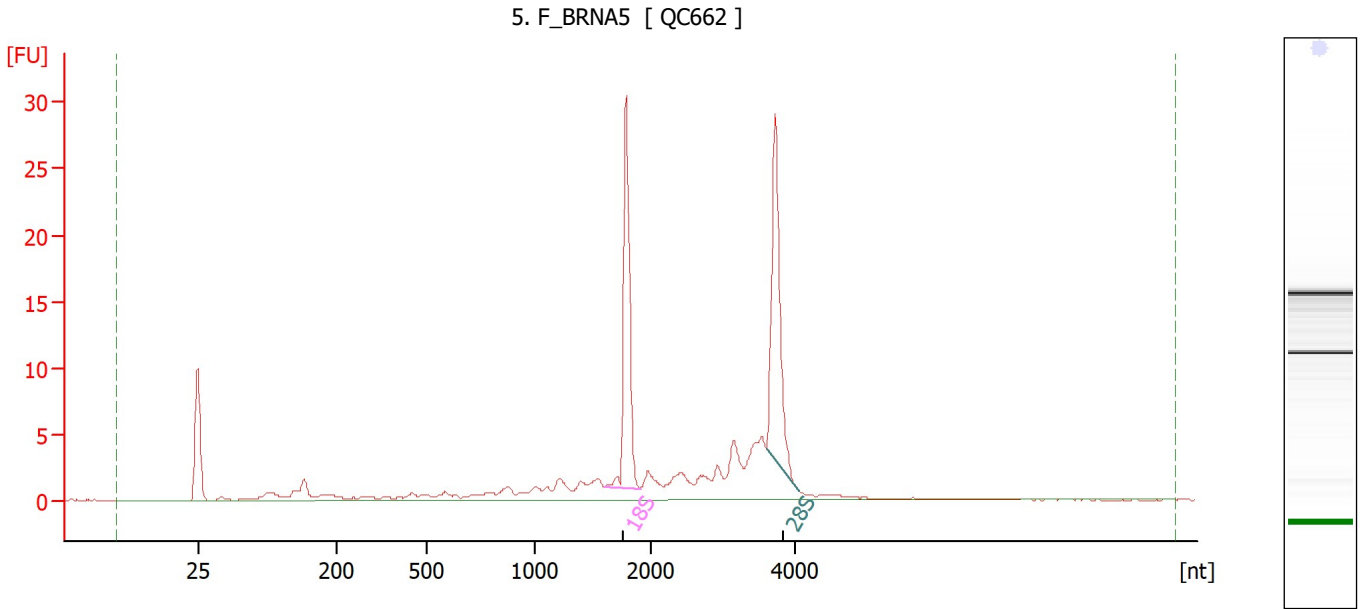
Fragment table for sample 4 : 4. F BRNA4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,657	1,925	52.0	20.6
28S	3,614	4,044	54.1	21.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5. F BRNA5

RNA Area:	110.9	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	90 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

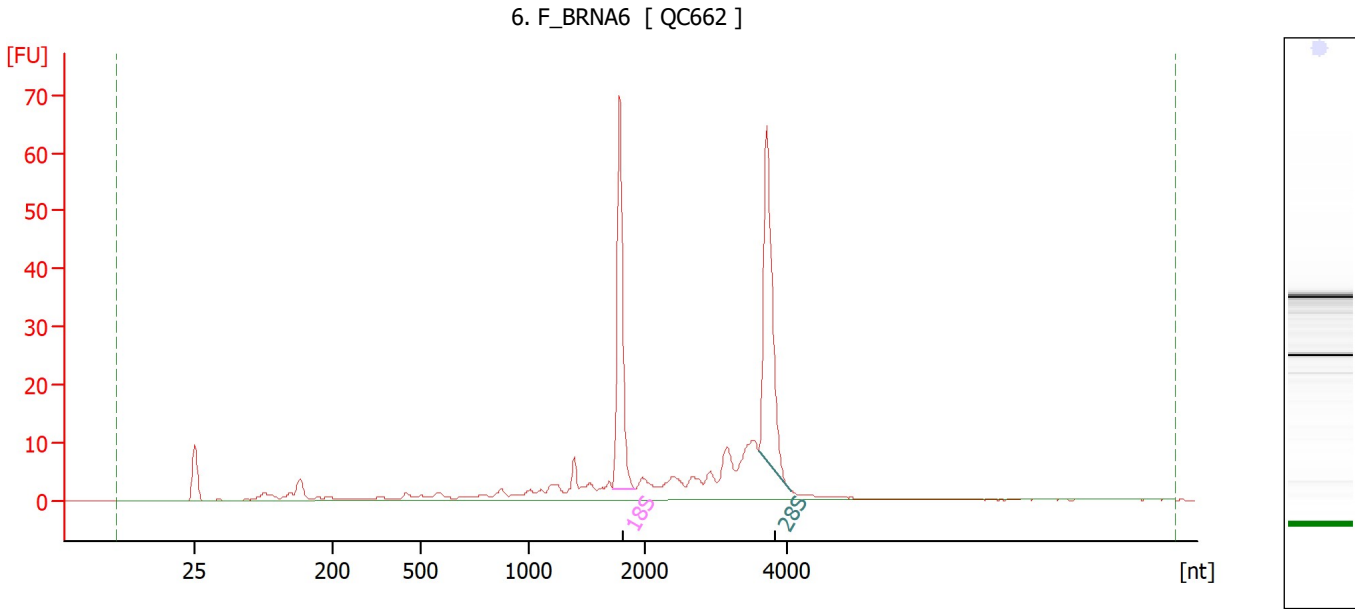
Fragment table for sample 5 : 5. F BRNA5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,915	21.2	19.1
28S	3,617	4,062	22.7	20.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6. F BRNA6

RNA Area:	241.8	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	197 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

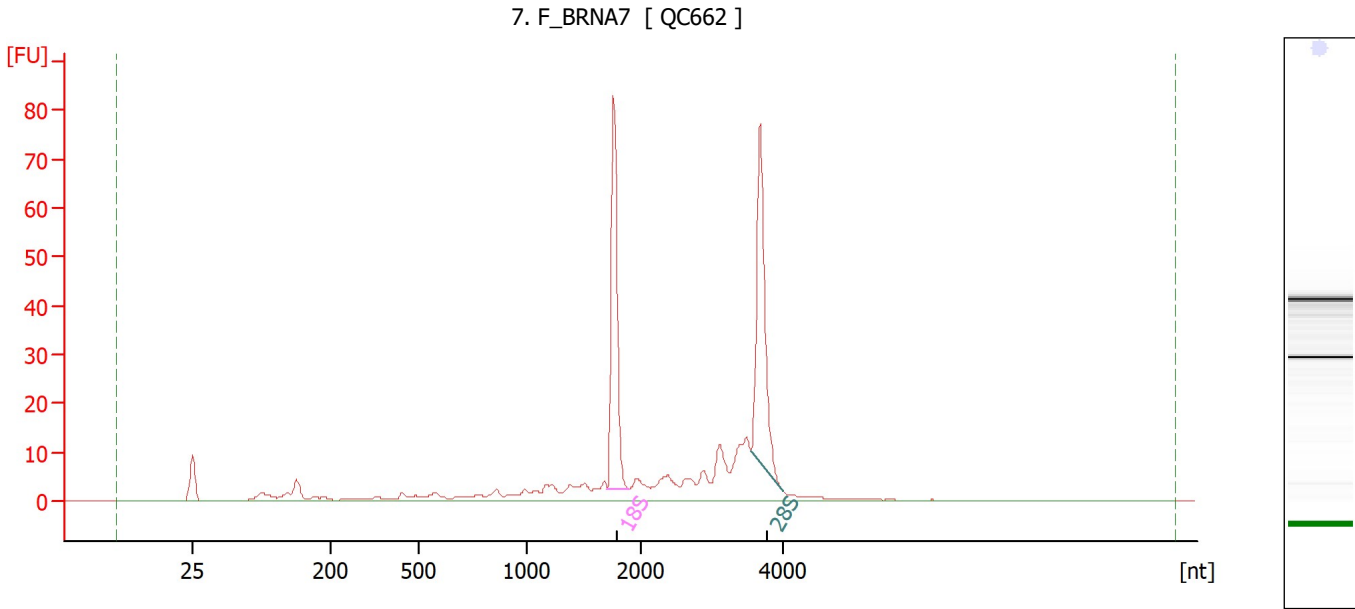
Fragment table for sample 6 : 6. F BRNA6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	1,921	49.1	20.3
28S	3,593	4,042	53.5	22.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7. F BRNA7

RNA Area:	281.4	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	229 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

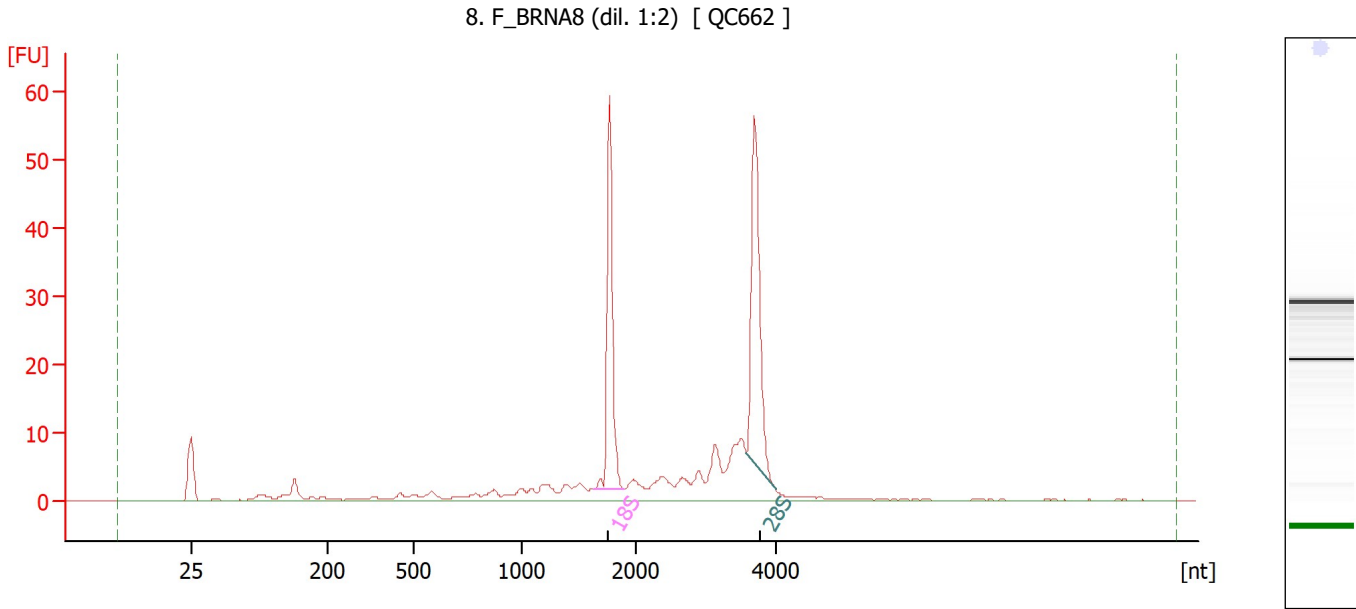
Fragment table for sample 7 : 7. F BRNA7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	1,900	56.4	20.0
28S	3,567	4,018	61.9	22.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8. F BRNA8 (dil. 1:2)

RNA Area:	200.8	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	163 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

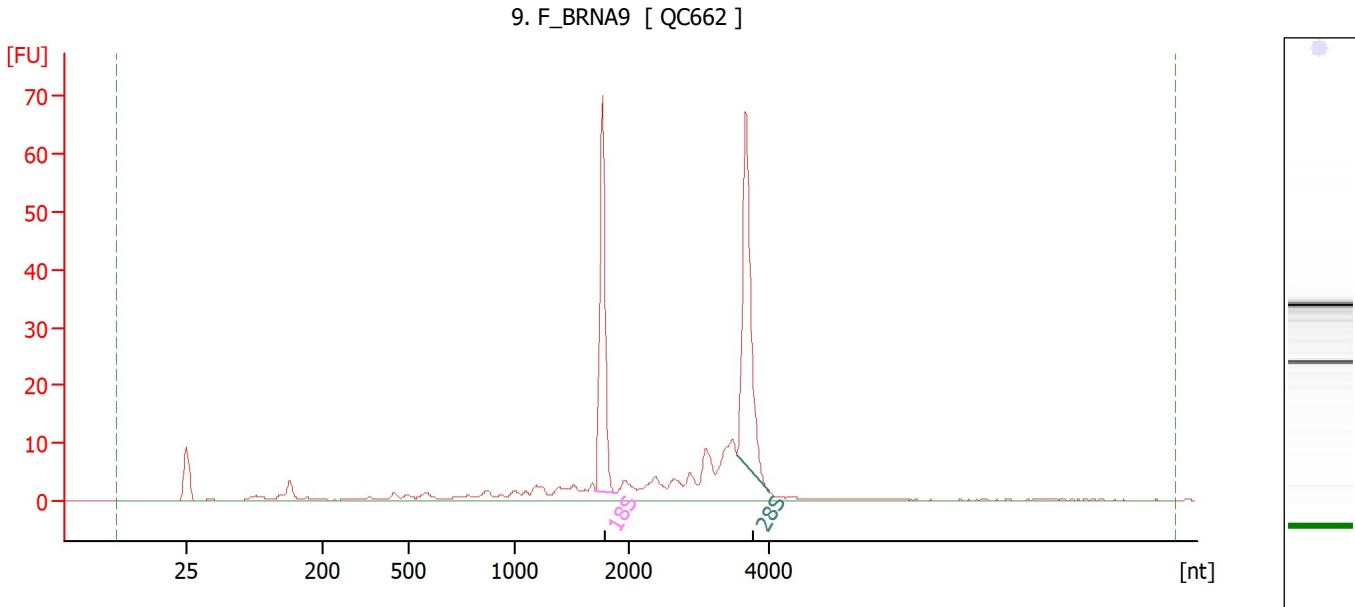
Fragment table for sample 8 : 8. F BRNA8 (dil. 1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,643	1,906	40.9	20.4
28S	3,573	3,981	44.7	22.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9. F BRNA9

RNA Area:	221.0	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	180 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.70

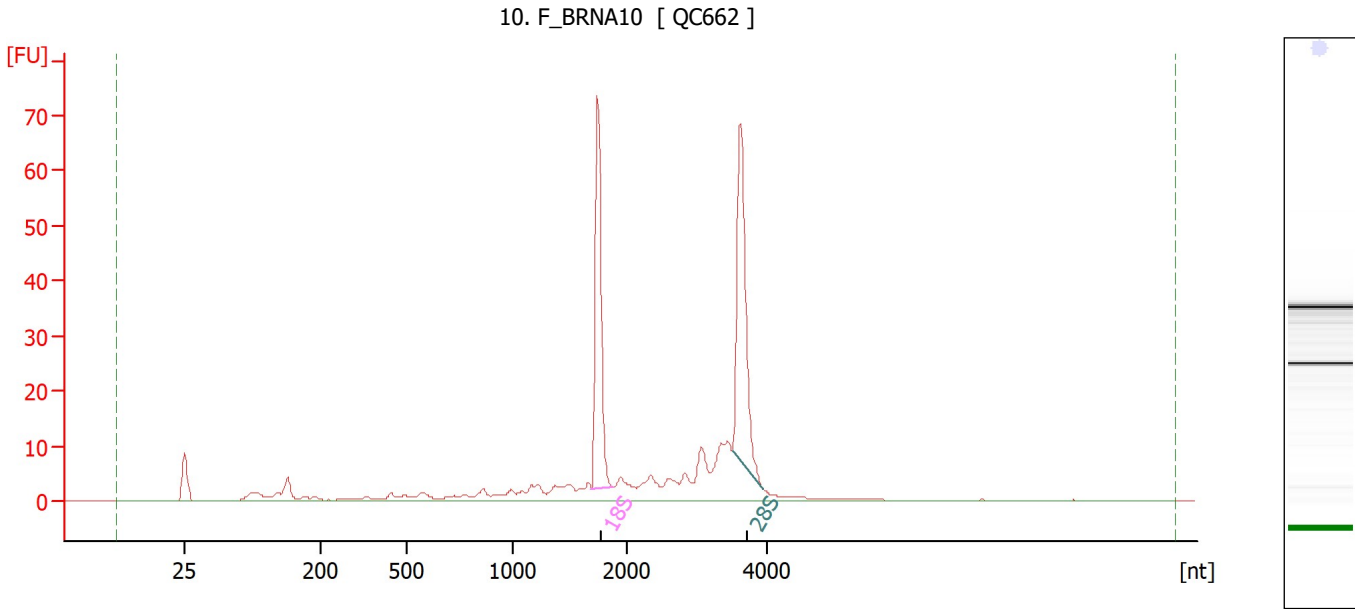
Fragment table for sample 9 : 9. F BRNA9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	1,894	47.0	21.3
28S	3,549	4,005	56.2	25.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10. F BRNA10

RNA Area:	253.1	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	206 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

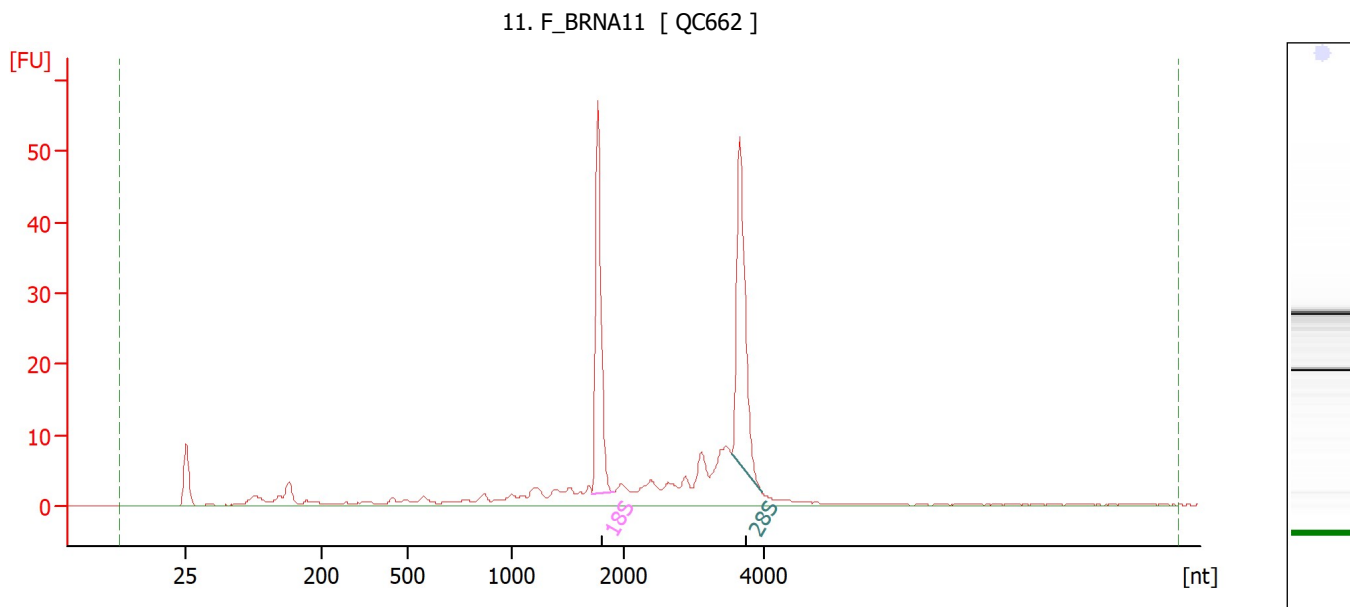
Fragment table for sample 10 : 10. F BRNA10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,693	1,892	50.9	20.1
28S	3,520	3,948	57.1	22.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11. F BRNA11

RNA Area:	199.8	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	163 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

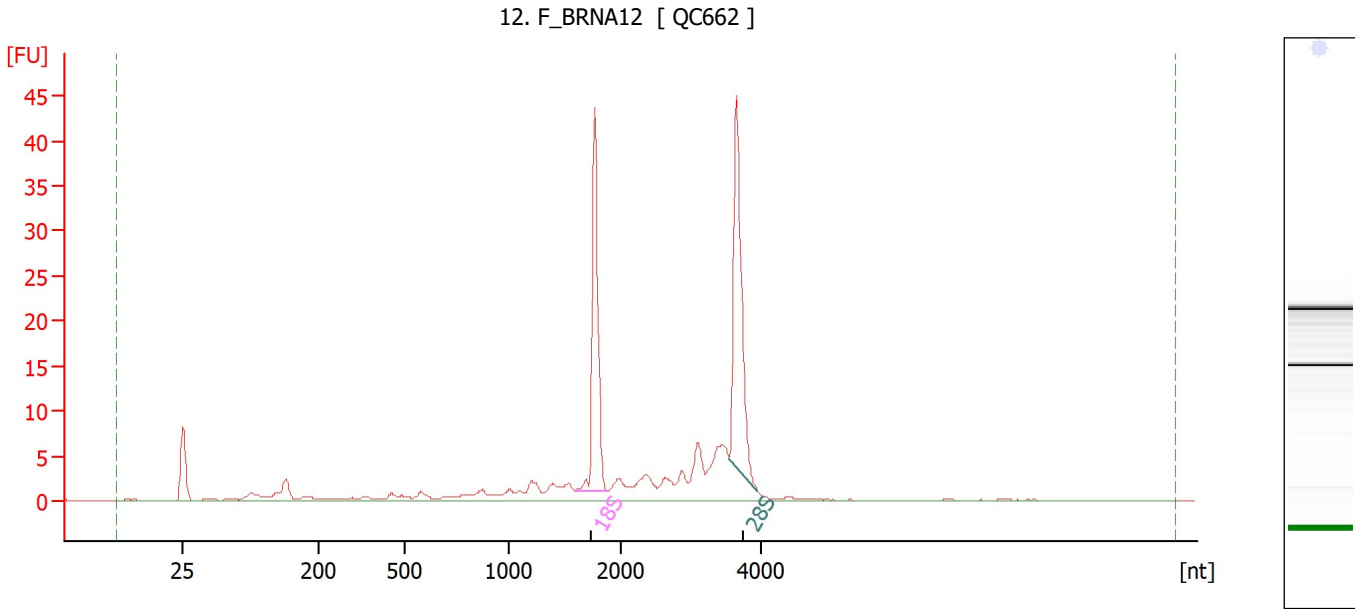
Fragment table for sample 11 : 11. F BRNA11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	1,900	39.8	19.9
28S	3,524	3,953	43.3	21.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
 Modified: 9/21/2020 5:13:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12. F BRNA12

RNA Area:	146.2	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	119 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.70

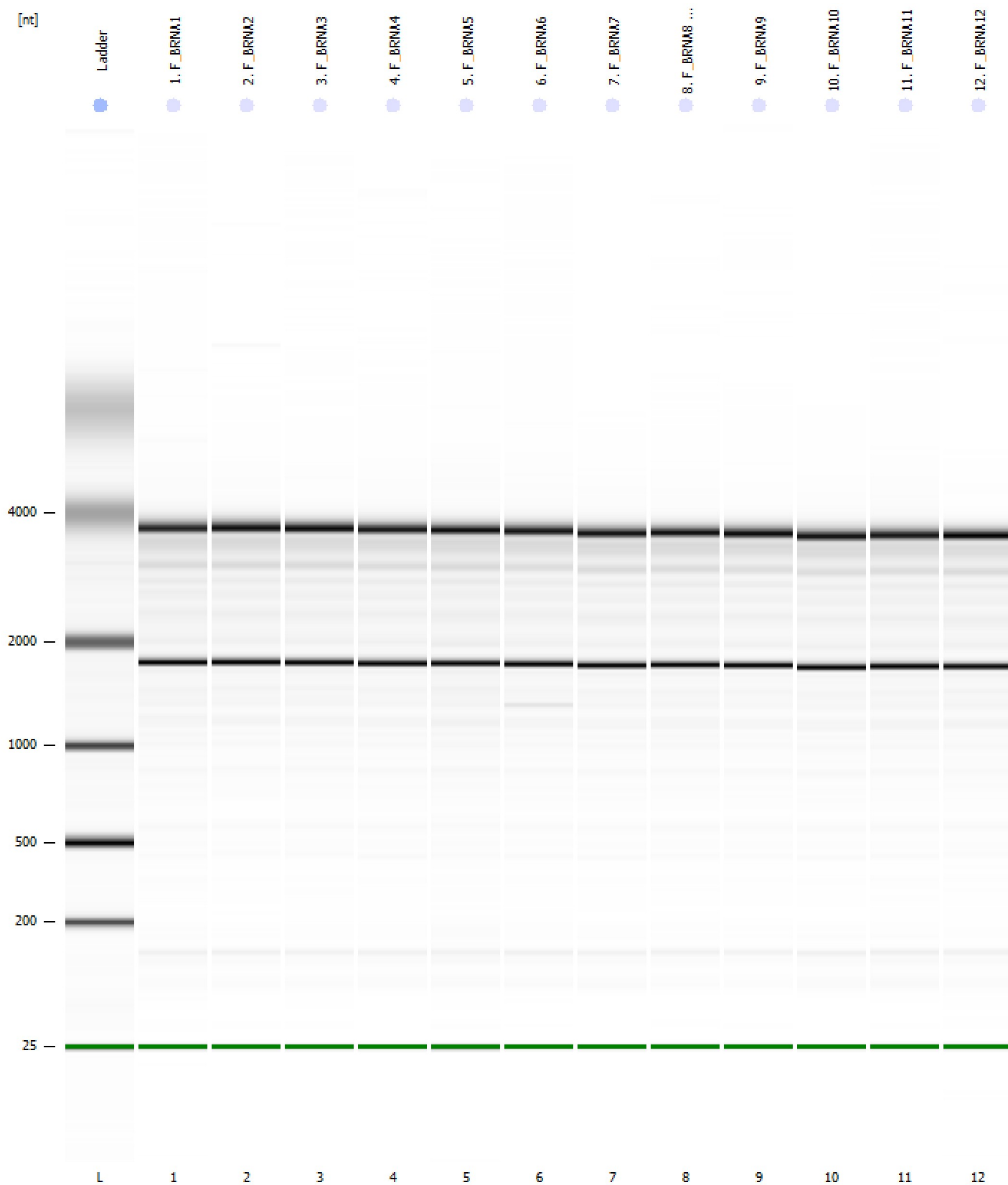
Fragment table for sample 12 : 12. F BRNA12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,575	1,881	31.2	21.3
28S	3,540	3,938	36.0	24.6

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad

Created: 9/21/2020 4:36:58 PM
Modified: 9/21/2020 5:13:35 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 9/21/2020 4:36:58 PM
 Data Path: Z:\...21\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-21_001.xad Modified: 9/21/2020 5:13:35 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		9/21/2020 5:00:46 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-09-21\Bioanalyze r1_Eukaryote Total RNA Nano_2020-09-21_001.xad)		Instrument	Run		9/21/2020 4:37:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/21/2020 4:37:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/21/2020 4:37:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/21/2020 4:37:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/21/2020 4:37:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/21/2020 4:37:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/21/2020 4:37:04 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB