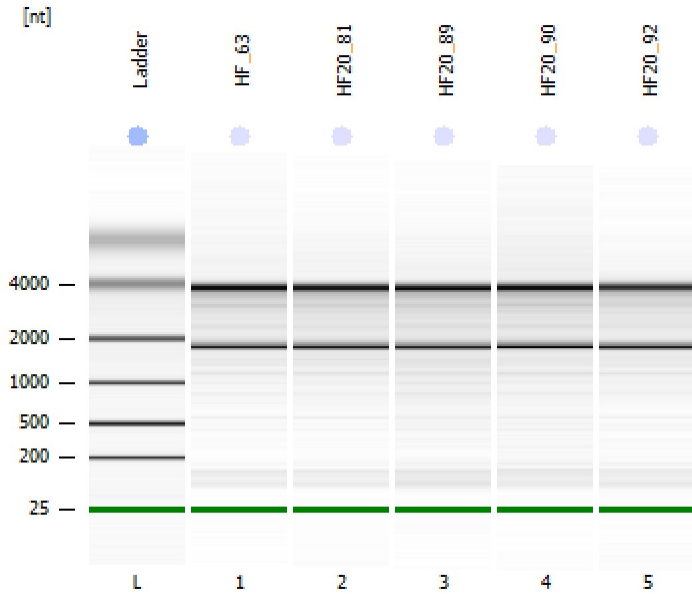


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
Modified: 11/30/2020 12:11:45 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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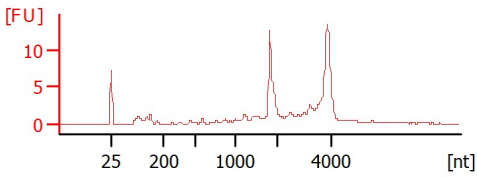
Chip Information:

Chip Lot #:

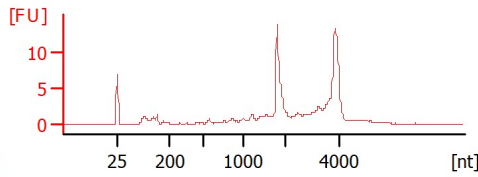
Reagent Kit Lot #:

Chip Comments:

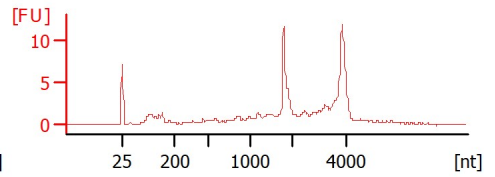
**HF\_63**  
QC768  
RIN: 8.70



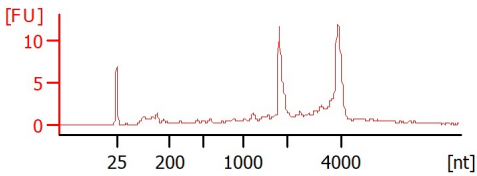
**HF20\_81**  
QC768  
RIN: 8.50



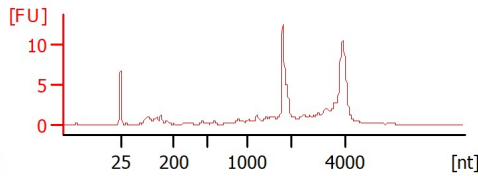
**HF20\_89**  
QC768  
RIN: 7.90



**HF20\_90**  
QC768  
RIN: 8.40



**HF20\_92**  
QC768  
RIN: 8.60



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
HF_63	QC768	✓	RIN: 8.70	
HF20_81	QC768	✓	RIN: 8.50	
HF20_89	QC768	✓	RIN: 7.90	
HF20_90	QC768	✓	RIN: 8.40	
HF20_92	QC768	✓	RIN: 8.60	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 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

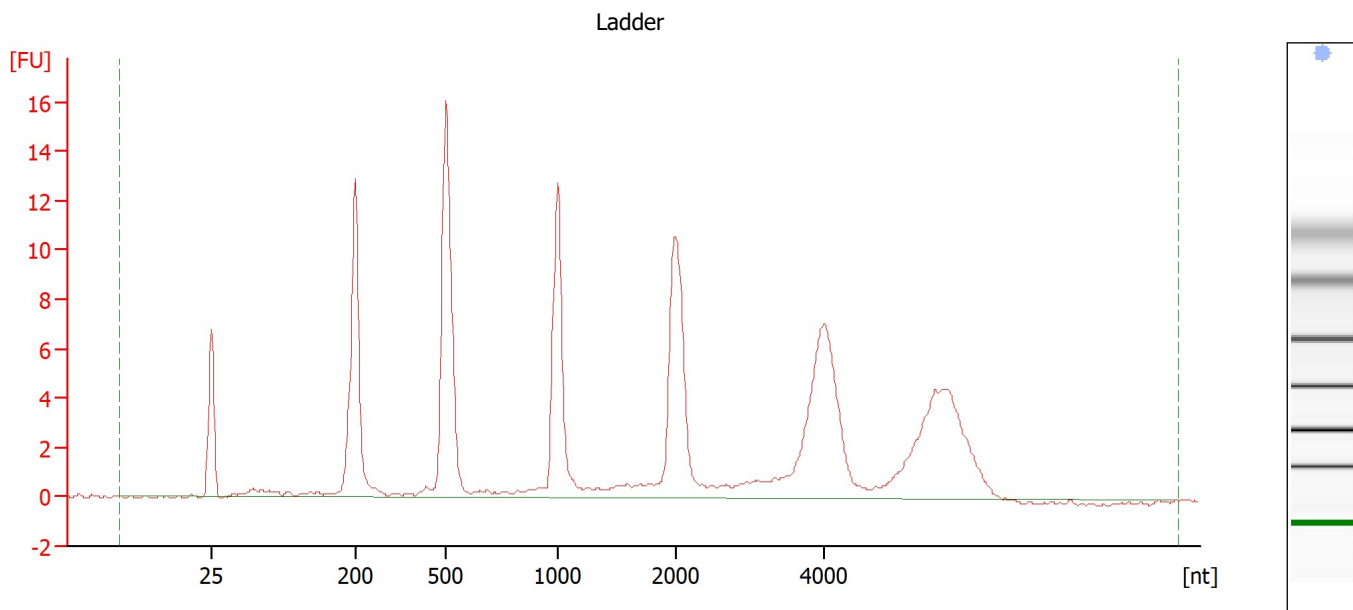
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
Modified: 11/30/2020 12:11:45 PM

**Electropherogram Summary**



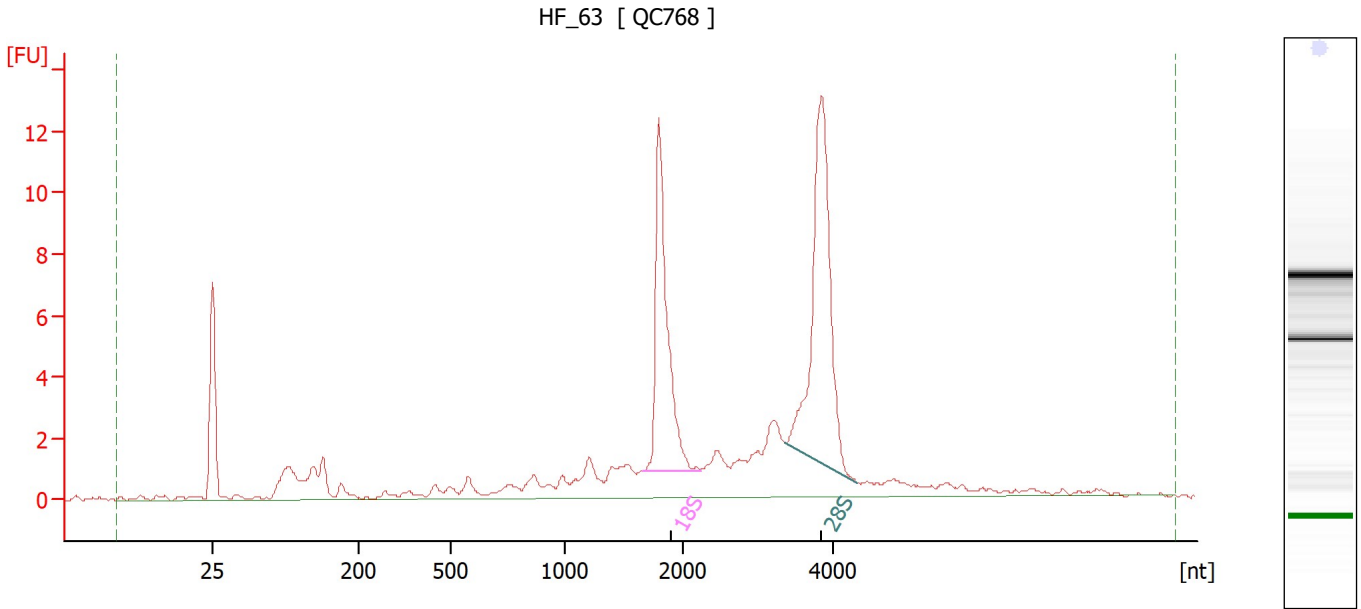
**Overall Results for Ladder**

RNA Area:	139.0	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : HF\_63**

RNA Area:	90.5	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	98 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.70

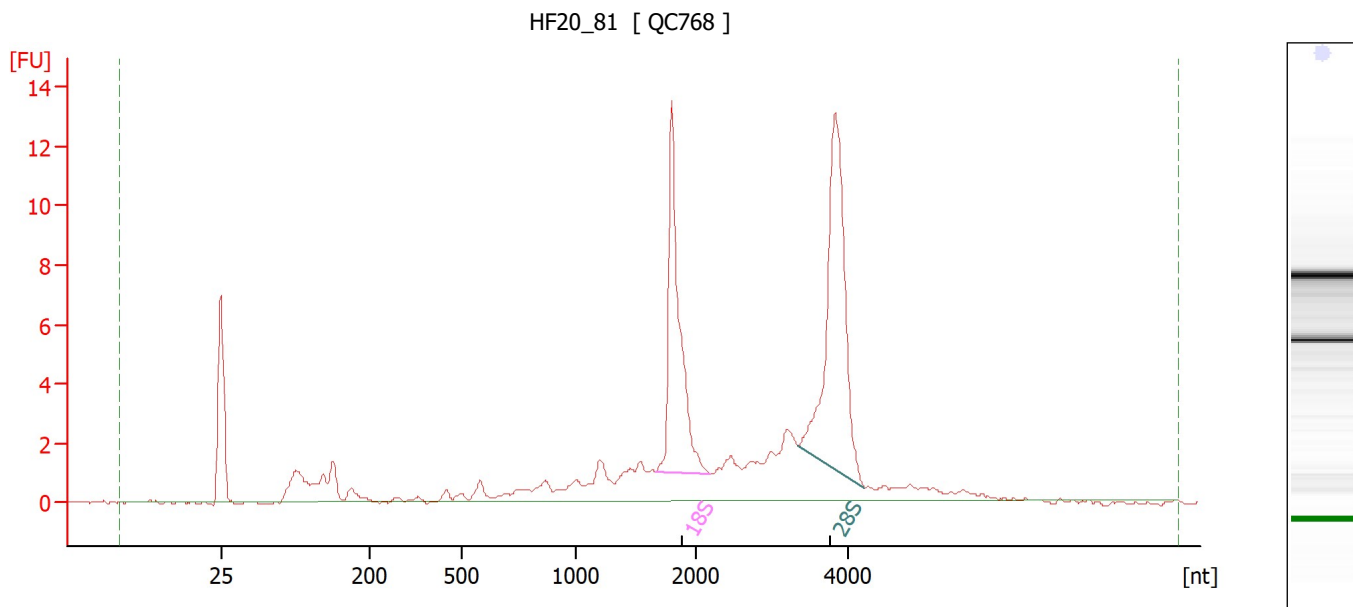
**Fragment table for sample 1 : HF\_63**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	2,233	15.3	16.9
28S	3,358	4,326	21.8	24.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : HF20\_81**

RNA Area:	87.2	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	94 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.50

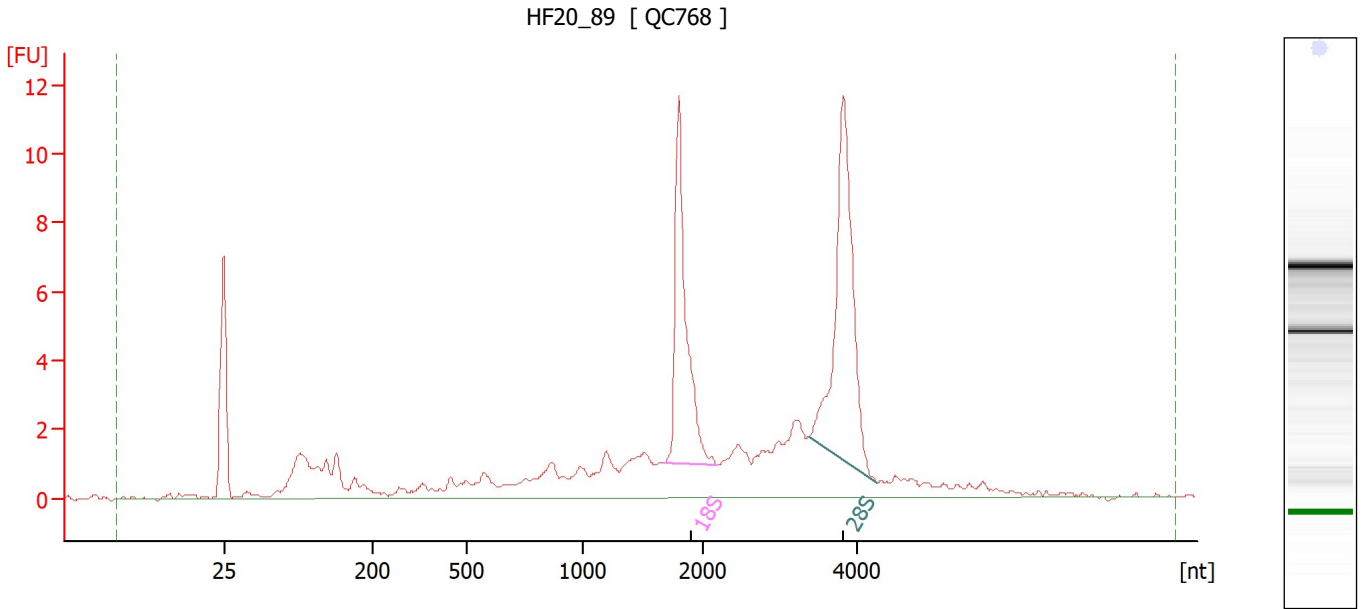
**Fragment table for sample 2 : HF20\_81**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	2,195	16.1	18.5
28S	3,350	4,224	22.1	25.3

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : HF20\_89**

RNA Area:	91.9	RNA Integrity Number (RIN):	7.9 (B.02.10)
RNA Concentration:	99 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.90

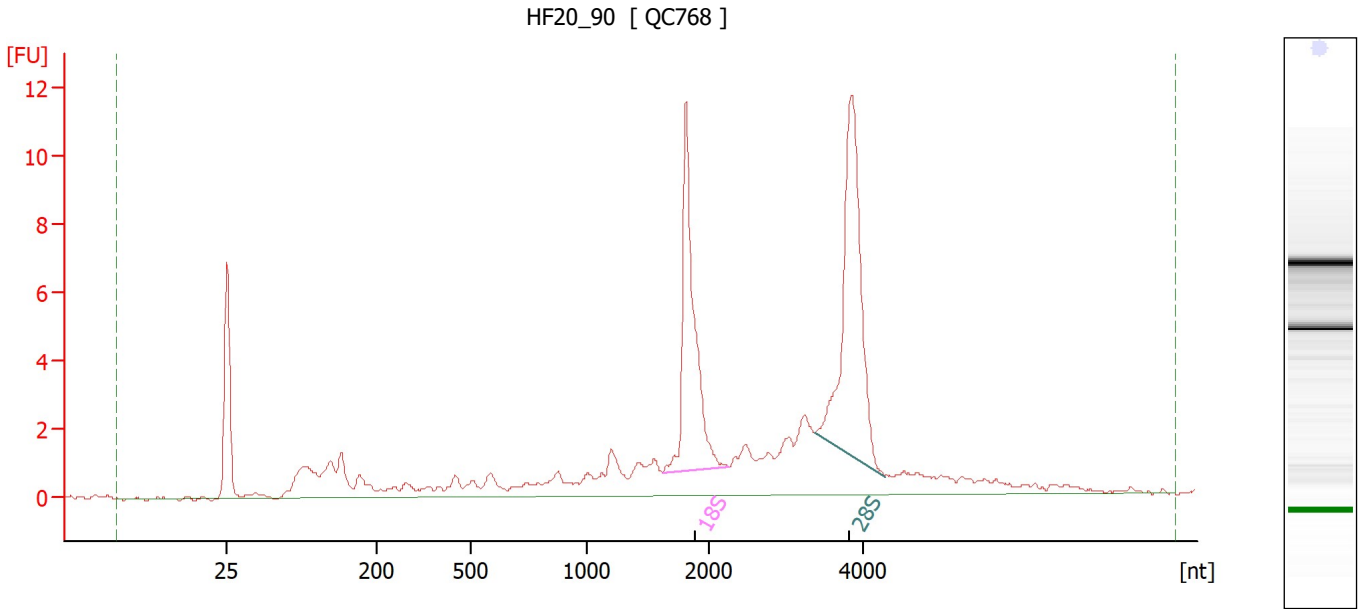
**Fragment table for sample 3 : HF20\_89**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	2,171	13.1	14.3
28S	3,384	4,263	18.3	19.9

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : HF20\_90**

RNA Area:	87.4	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	94 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.40

**Fragment table for sample 4 : HF20\_90**

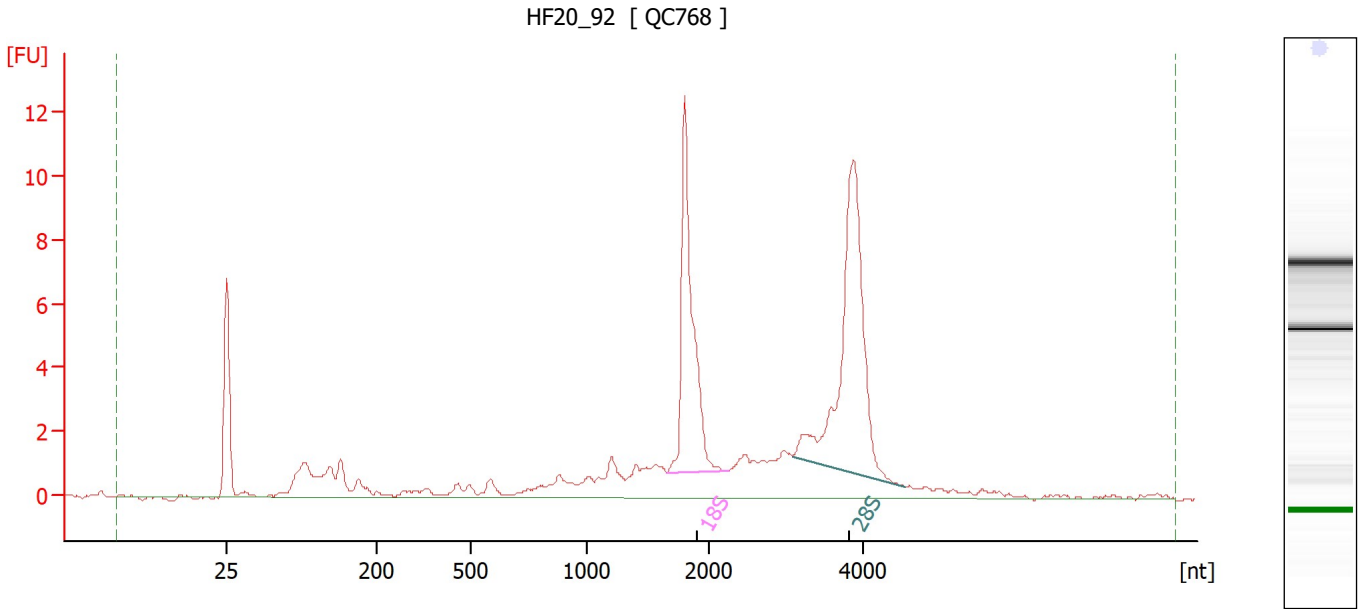
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	2,242	14.5	16.5
28S	3,379	4,266	18.6	21.3



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : HF20\_92**

RNA Area:	81.5	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	88 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.60

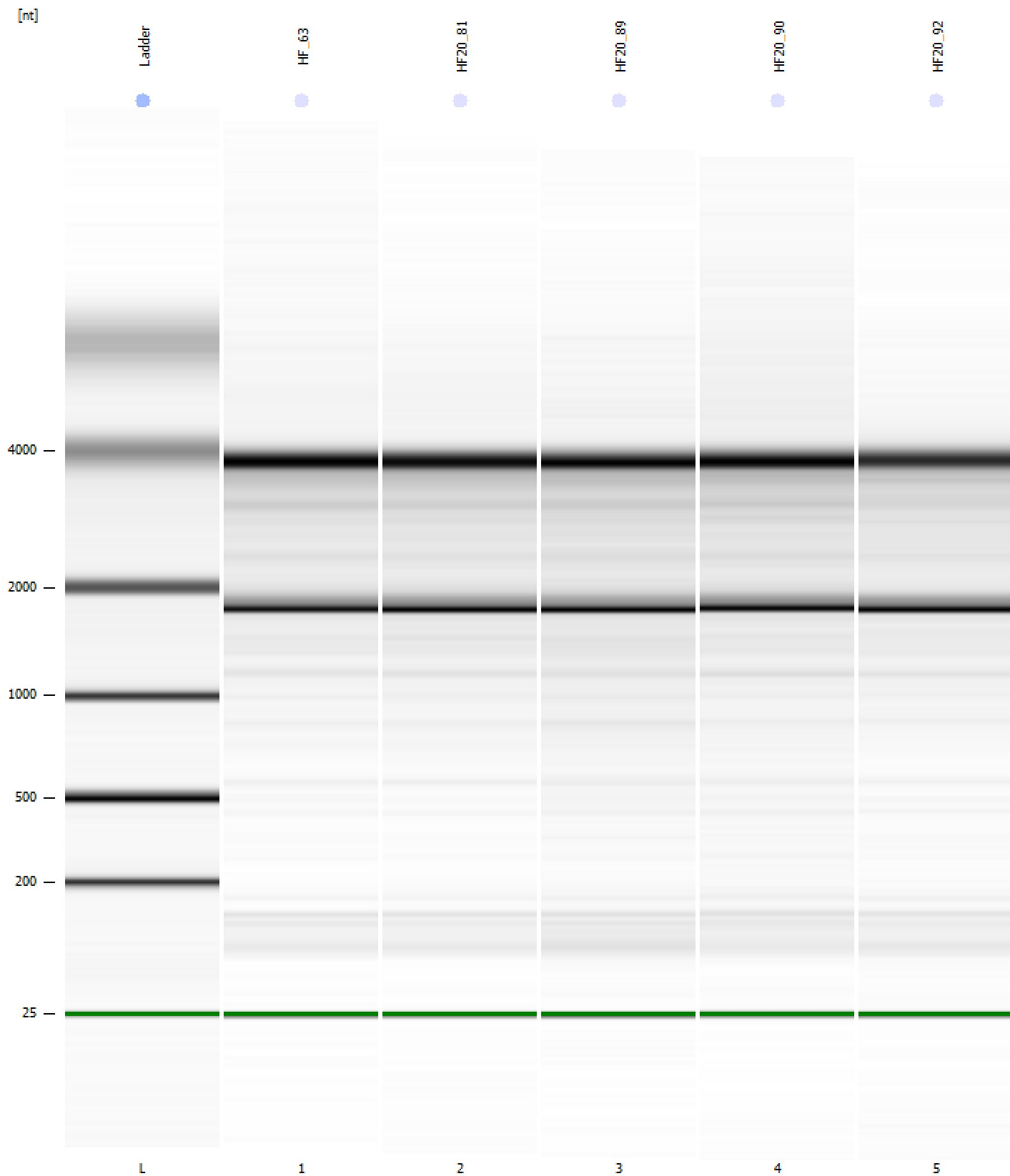
**Fragment table for sample 5 : HF20\_92**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,645	2,242	15.0	18.4
28S	3,074	4,544	21.5	26.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
Modified: 11/30/2020 12:11:45 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\...analyzer1\_Eukaryote Total RNA Nano\_2020-11-30\_001\_QC768.xad

Created: 11/30/2020 11:47:41 AM  
 Modified: 11/30/2020 12:11:45 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		11/30/2020 12:10:09 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-11-30\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-30_001.xad)		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/30/2020 11:47:47 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB