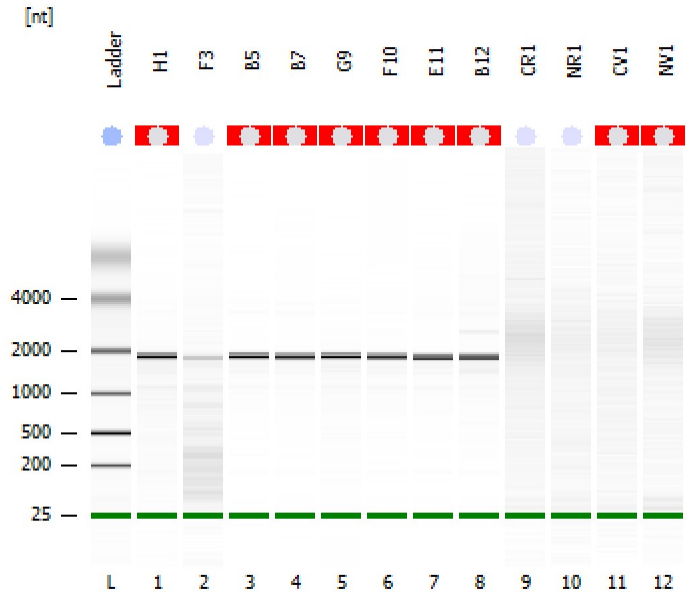


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
Modified: 11/9/2020 1:41:00 PM

Electrophoresis File Run Summary



Instrument Information:

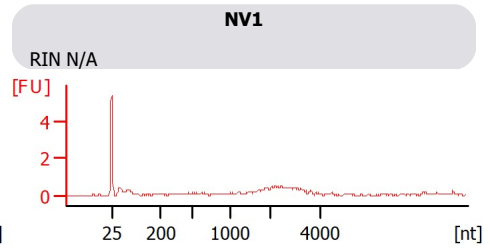
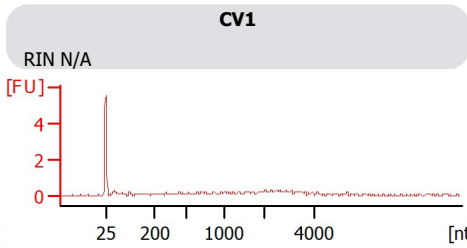
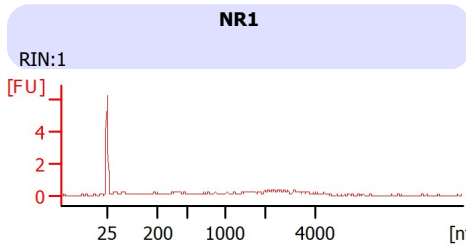
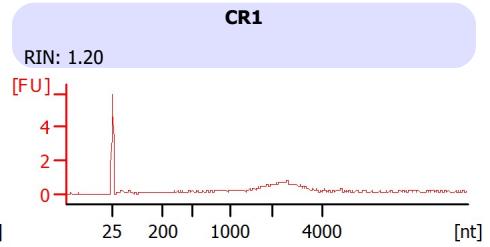
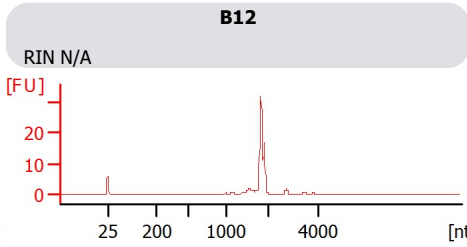
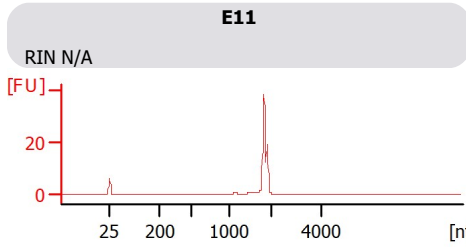
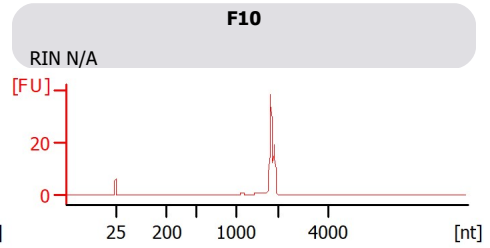
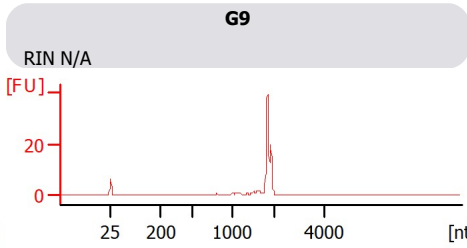
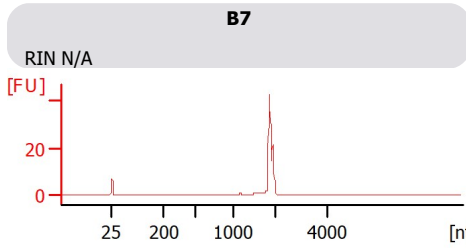
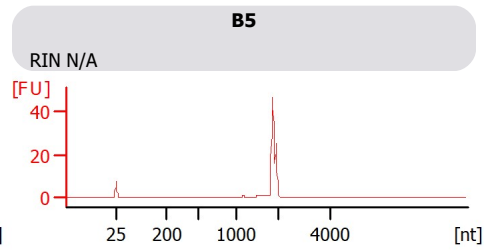
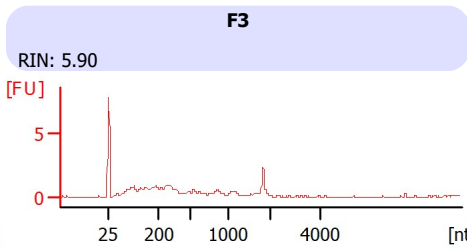
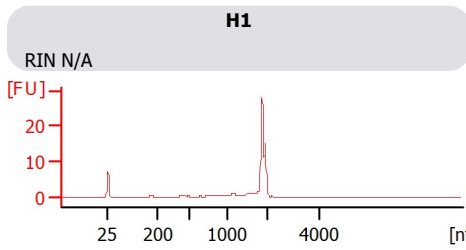
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
H1		✓	RIN N/A	
F3		✓	RIN: 5.90	
B5		✓	RIN N/A	
B7		✓	RIN N/A	
G9		✓	RIN N/A	
F10		✓	RIN N/A	
E11		✓	RIN N/A	
B12		✓	RIN N/A	
CR1		✓	RIN: 1.20	
NR1		✓	RIN:1	
CV1		✓	RIN N/A	
NV1		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 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

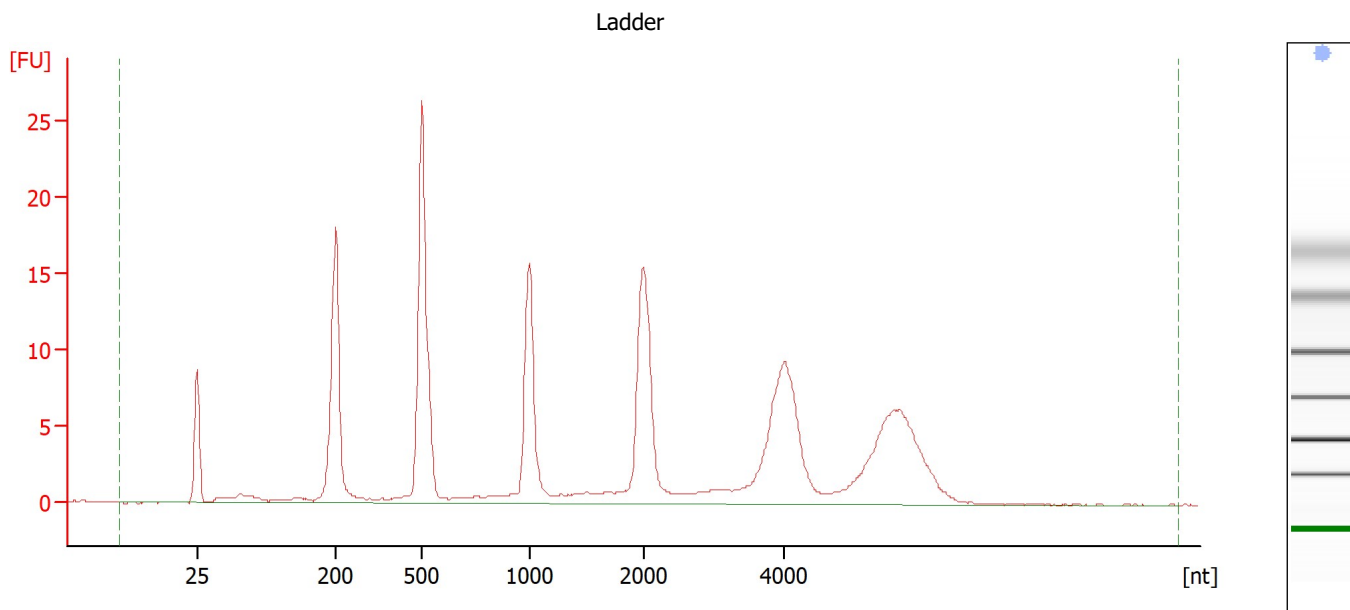
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary



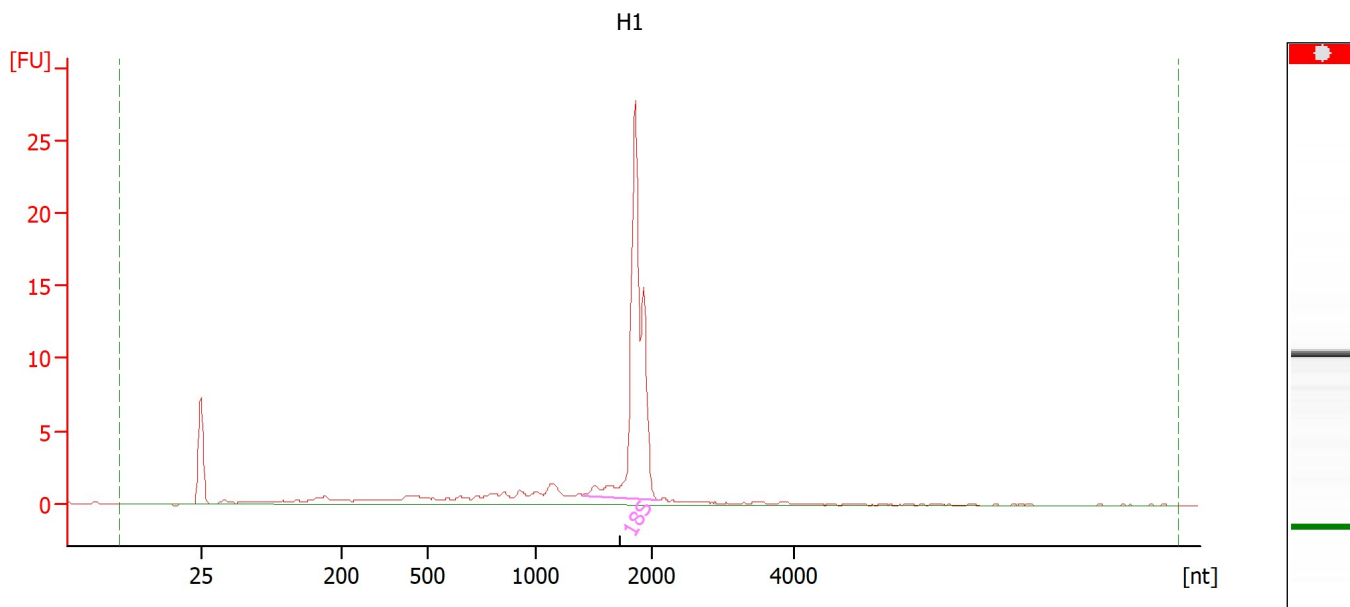
Overall Results for Ladder

RNA Area:	196.3	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : H1

RNA Area:	65.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

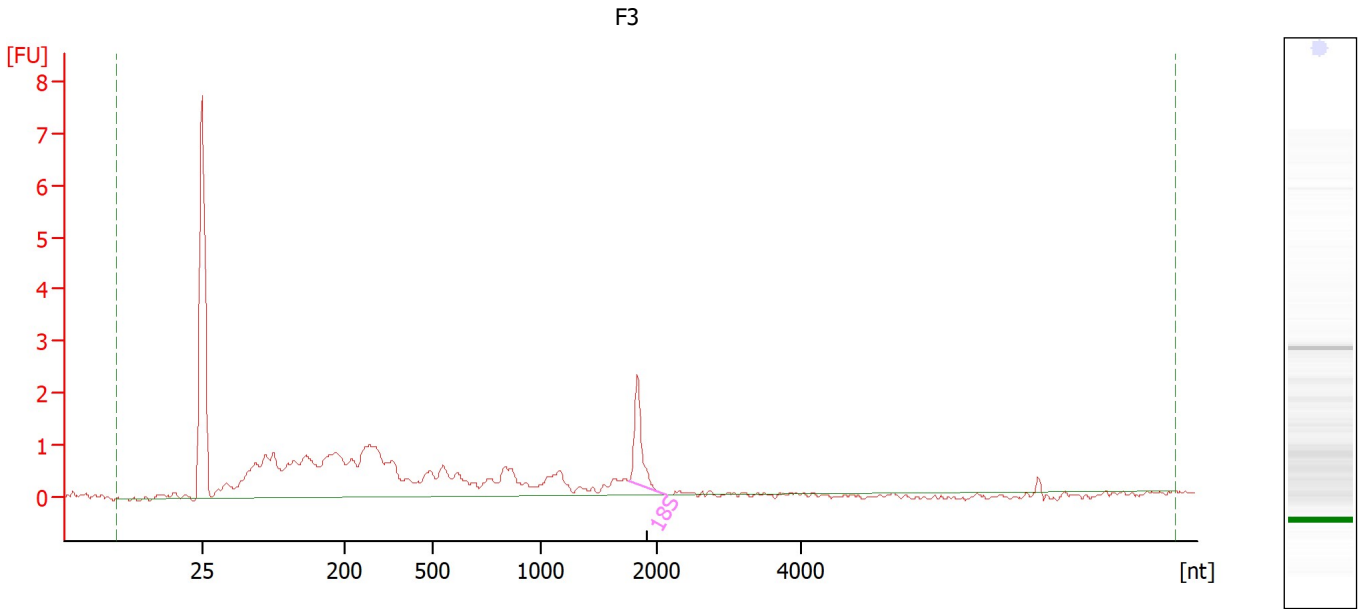
Fragment table for sample 1 : H1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,410	2,080	35.9	55.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : F3

RNA Area:	31.6	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

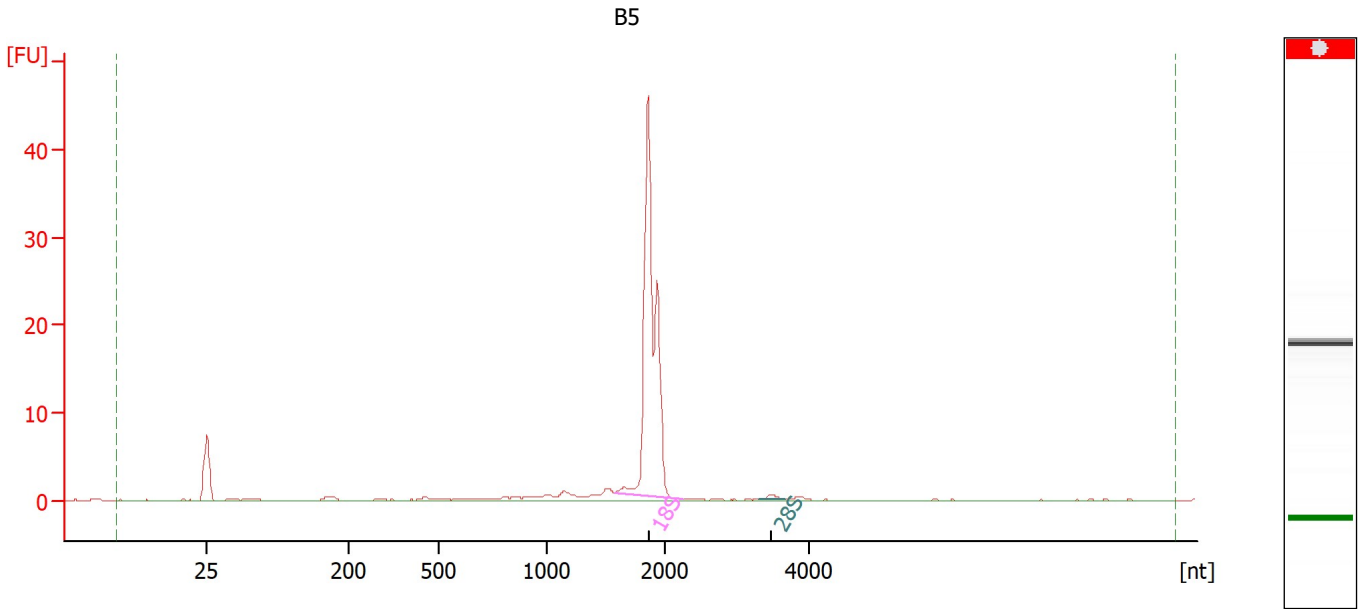
Fragment table for sample 2 : F3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	2,130	1.9	6.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : B5

RNA Area:	77.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

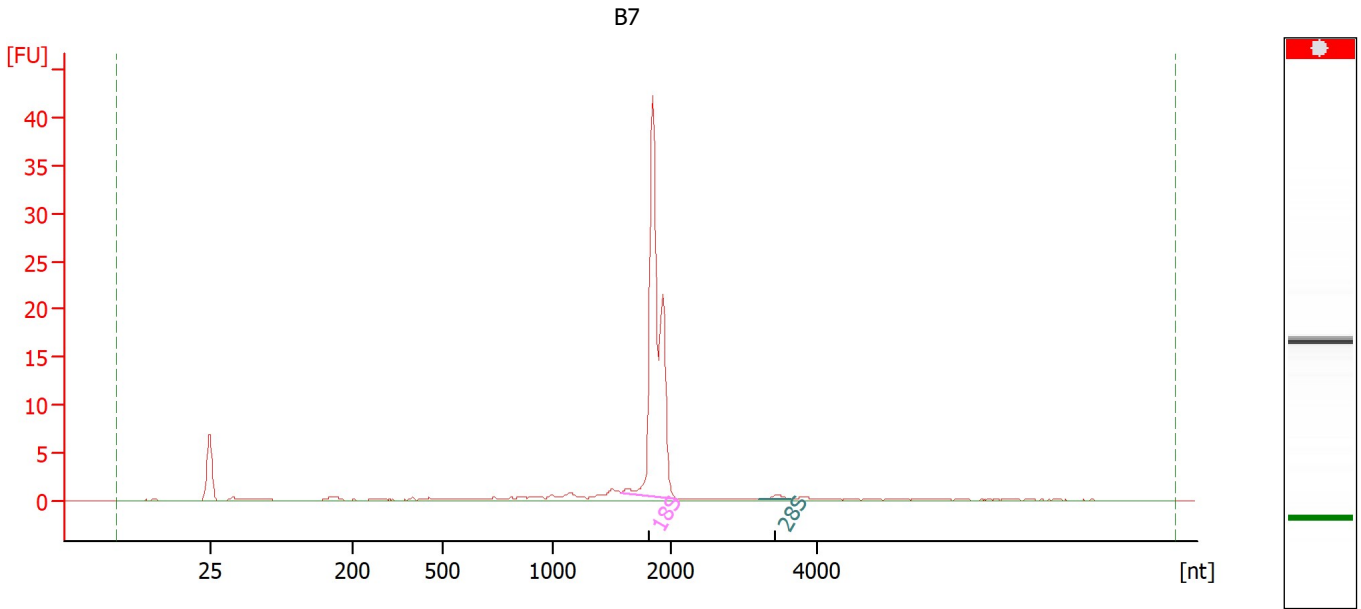
Fragment table for sample 3 : B5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	2,238	56.1	72.2
28S	3,301	3,656	0.6	0.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : B7

RNA Area:	69.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	53 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

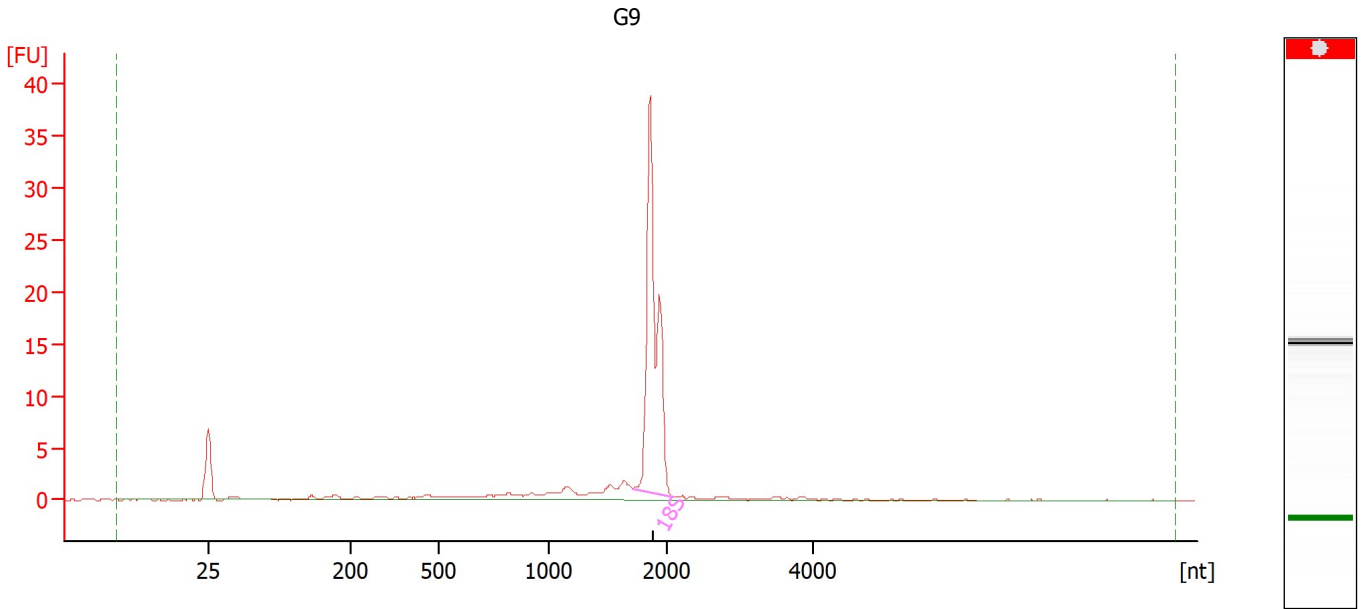
Fragment table for sample 4 : B7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,578	2,079	50.4	72.8
28S	3,209	3,649	0.6	0.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : G9

RNA Area:	72.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

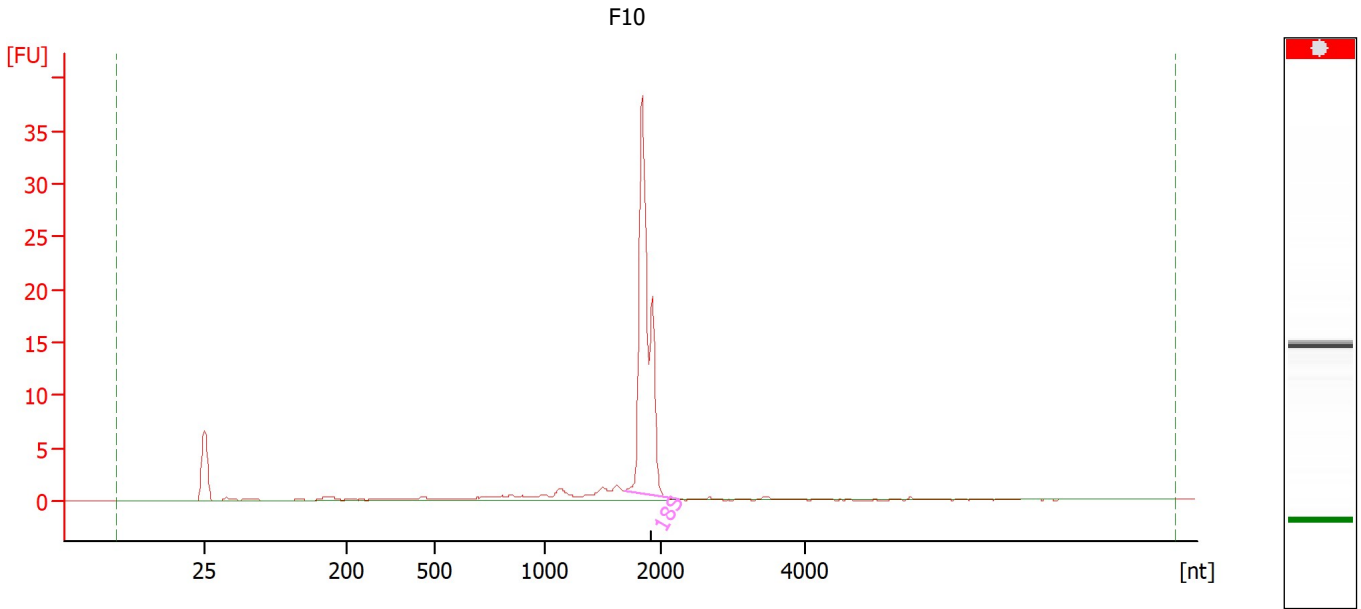
Fragment table for sample 5 : G9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,091	44.2	60.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F10

RNA Area:	60.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

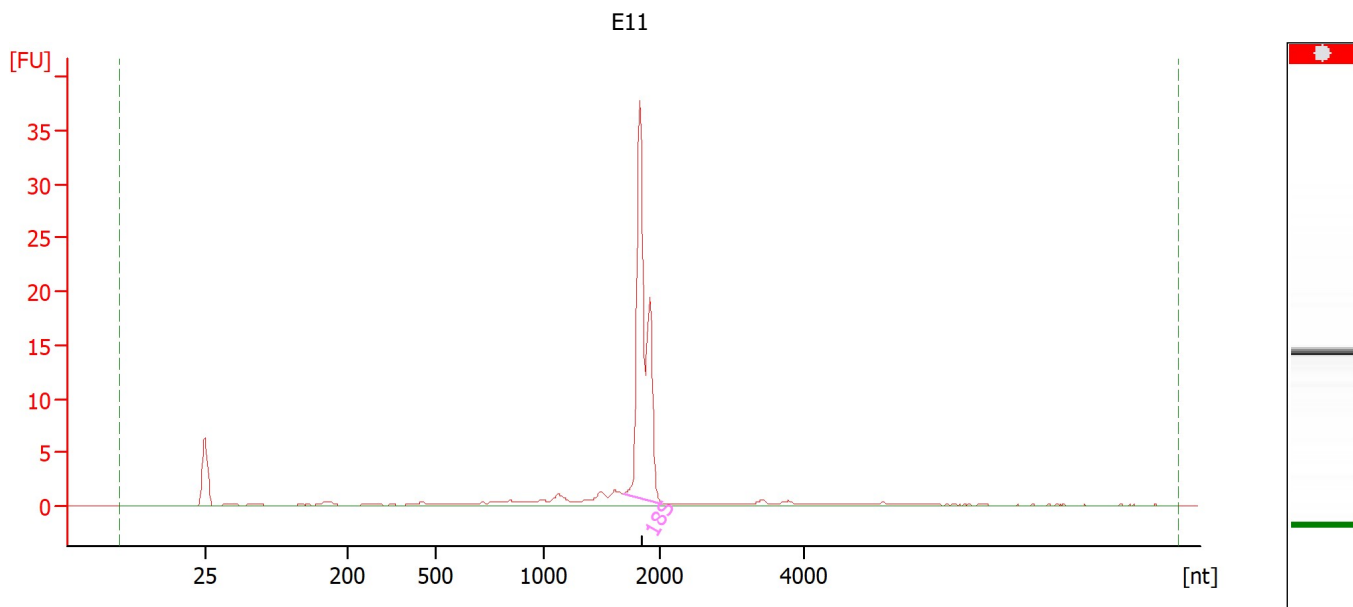
Fragment table for sample 6 : F10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,688	2,236	44.3	73.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : E11

RNA Area:	70.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

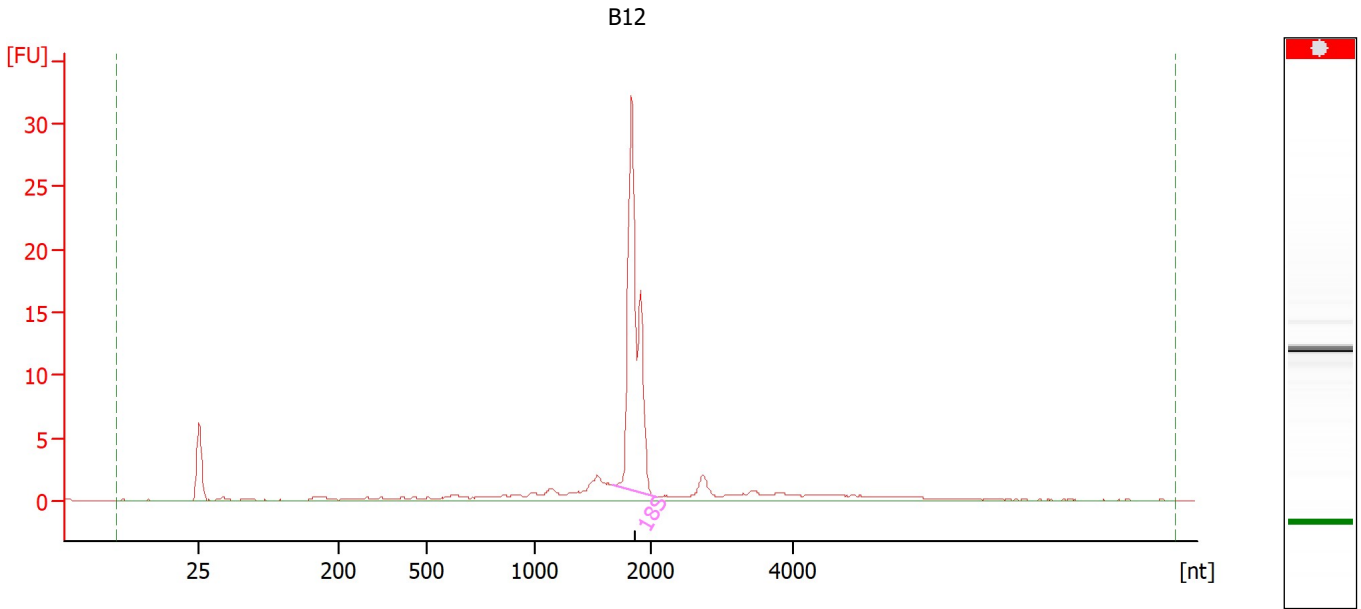
Fragment table for sample 7 : E11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	2,041	43.2	61.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : B12

RNA Area:	71.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

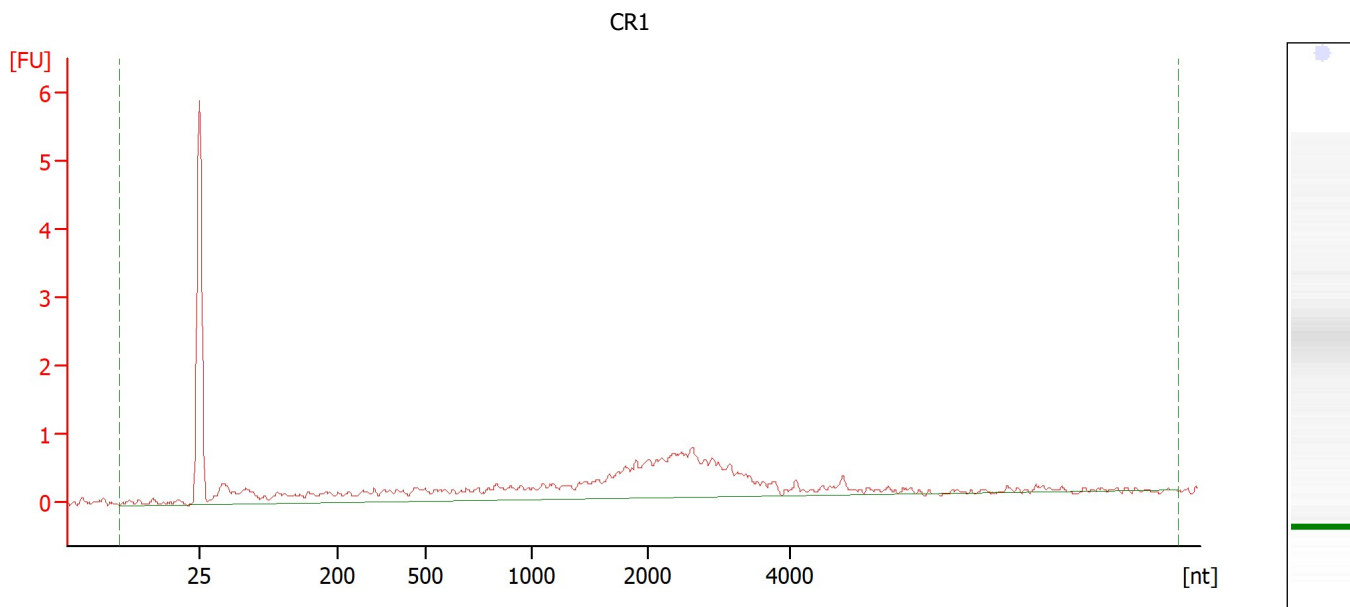
Fragment table for sample 8 : B12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,680	2,097	36.8	51.7

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



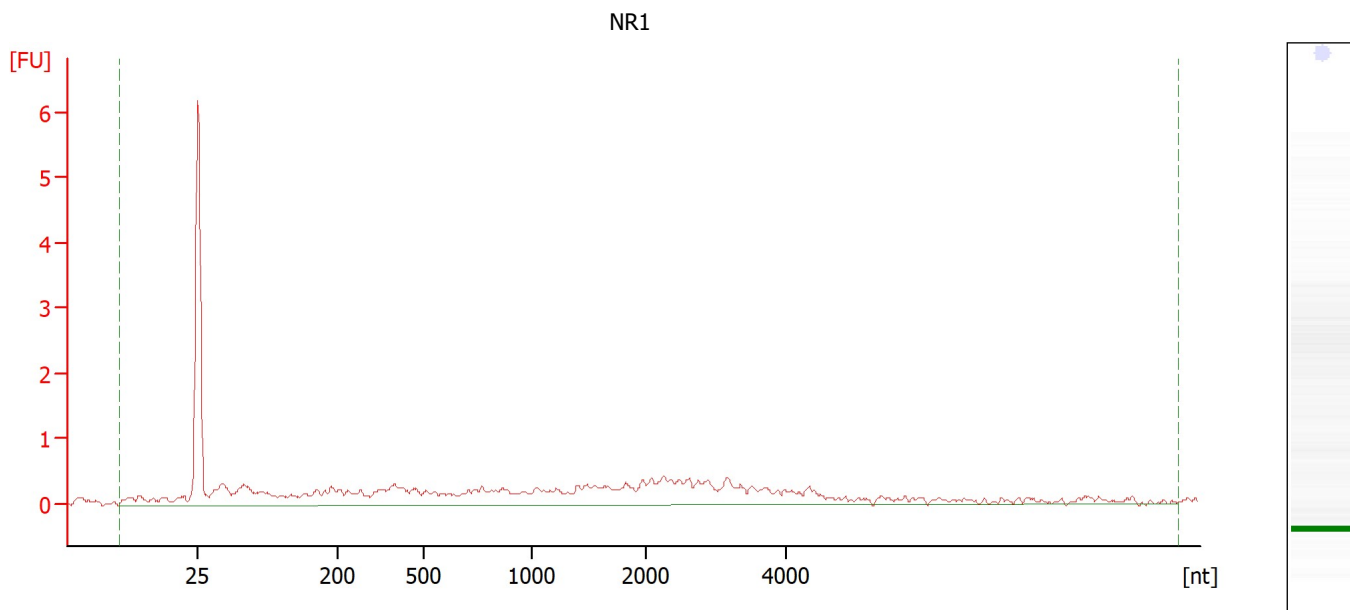
Overall Results for sample 9 : CR1

RNA Area:	19.7	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	15 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



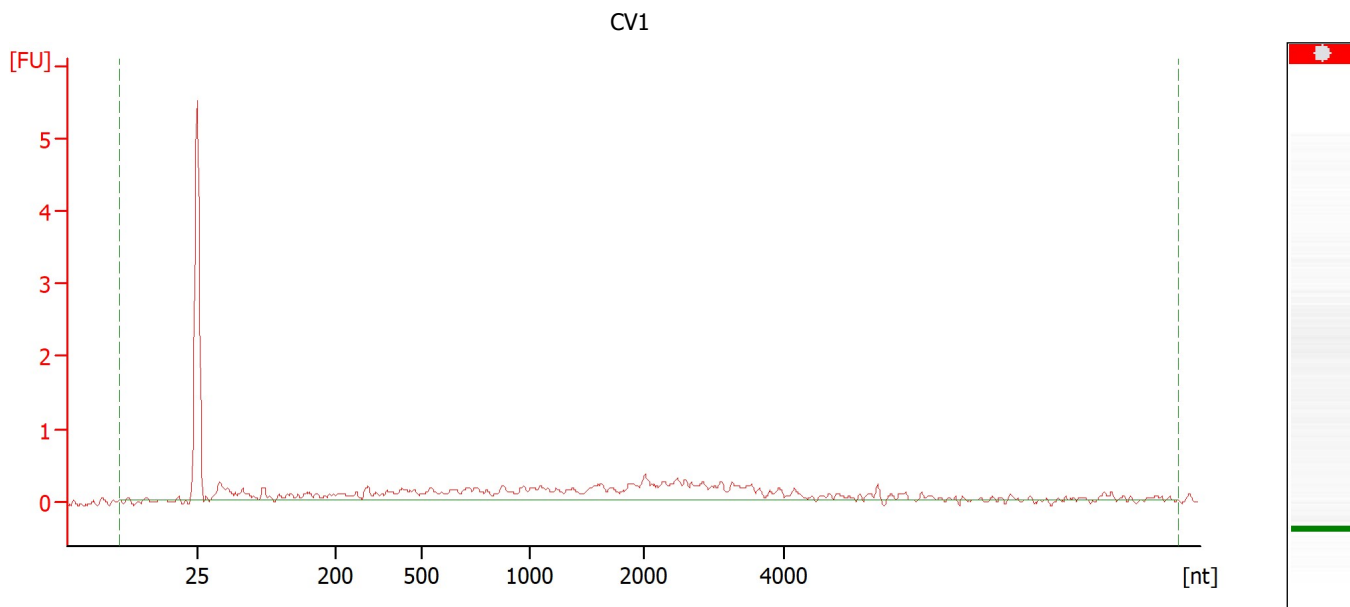
Overall Results for sample 10 : NR1

RNA Area:	19.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	15 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:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



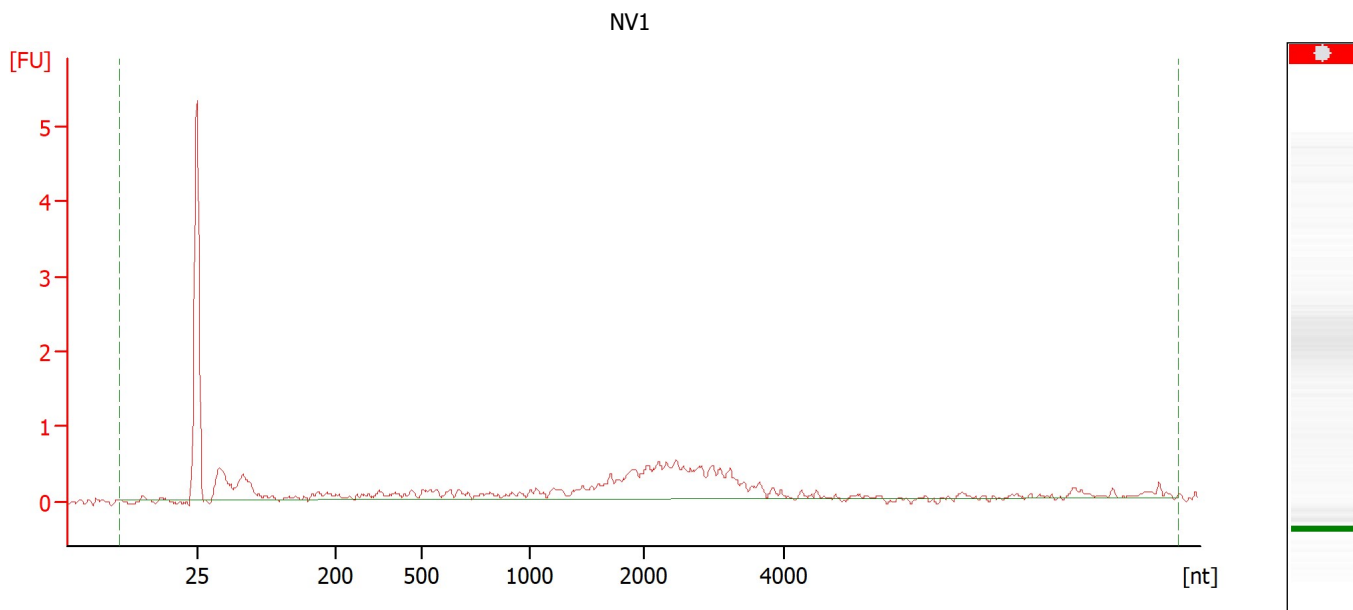
Overall Results for sample 11 : CV1

RNA Area:	10.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
 Modified: 11/9/2020 1:41:00 PM

Electropherogram Summary Continued ...



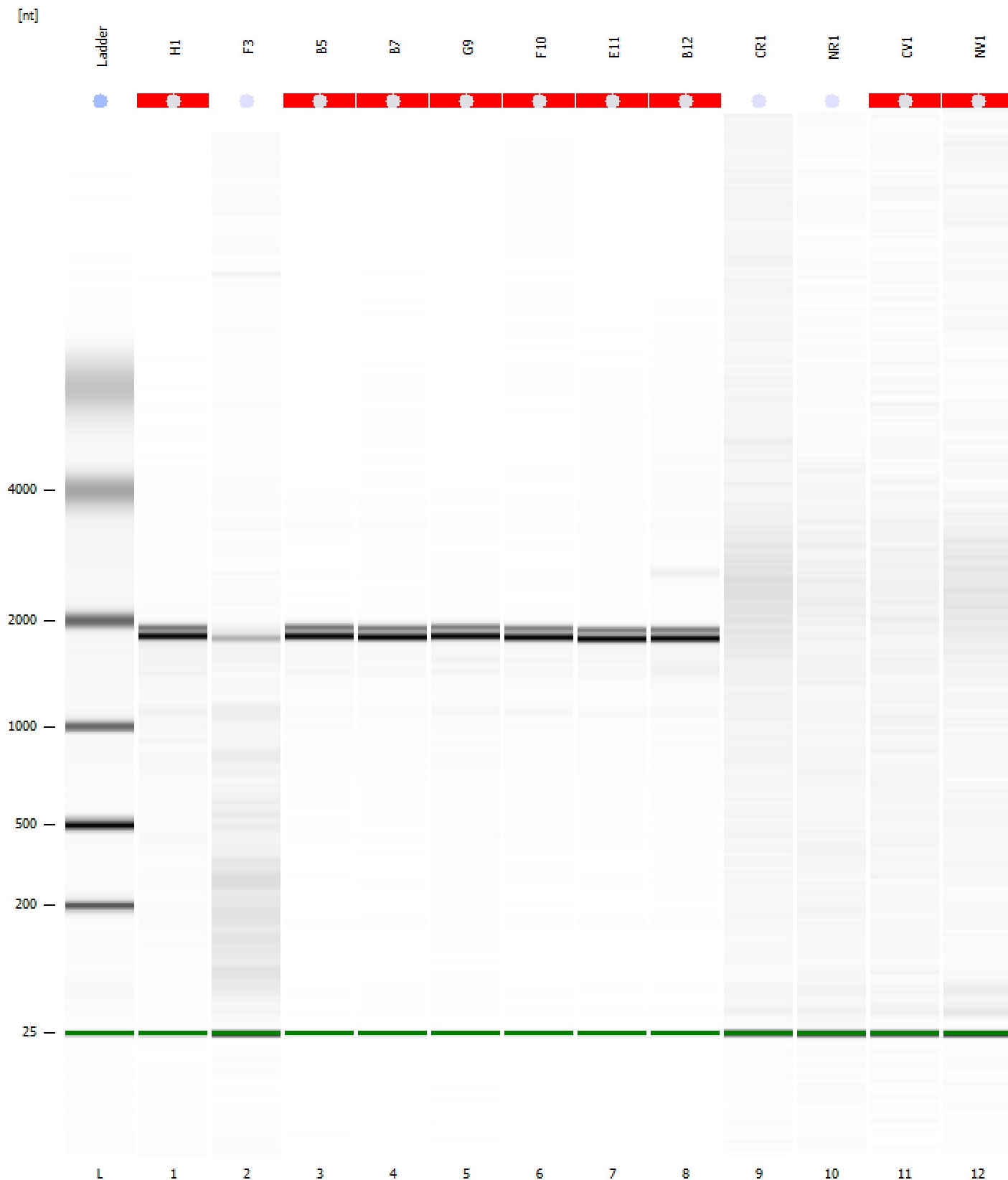
Overall Results for sample 12 : NV1

RNA Area:	10.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad

Created: 11/9/2020 1:17:09 PM
Modified: 11/9/2020 1:41:00 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 11/9/2020 1:17:09 PM
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Nano_2020-11-09_001.xad Modified: 11/9/2020 1:41:00 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		11/9/2020 1:40:58 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-11-09\Bioanalyze r1_Eukaryote Total RNA Nano_2020-11-09_001.xad)		Instrument	Run		11/9/2020 1:17:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/9/2020 1:17:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/9/2020 1:17:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/9/2020 1:17:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/9/2020 1:17:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/9/2020 1:17:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/9/2020 1:17:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB