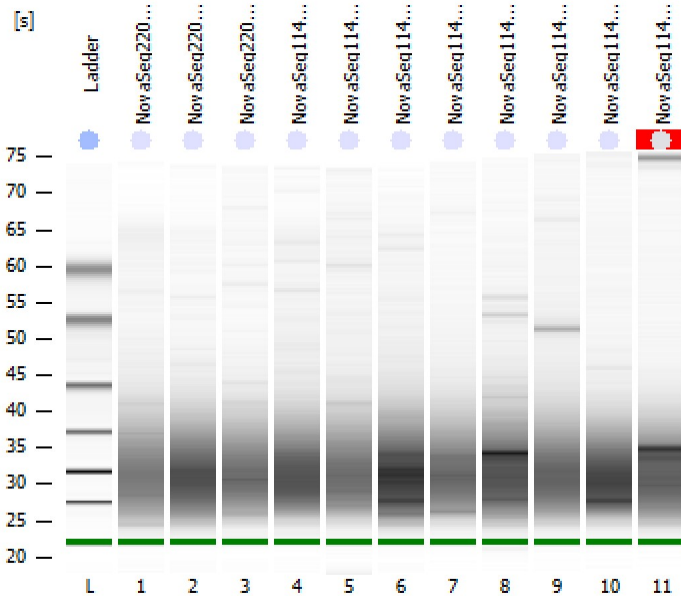


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electrophoresis File Run Summary



Instrument Information:

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

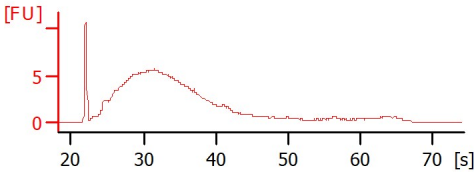
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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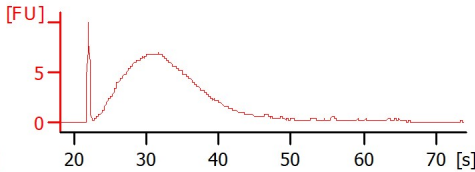
Chip Information:

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

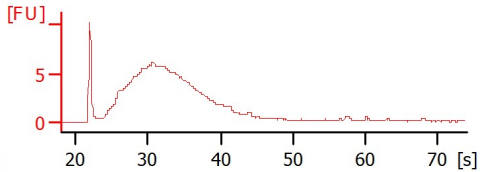
NovaSeq220 - 65 BC DNA
RIN: 2.50



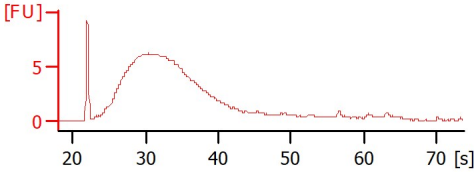
NovaSeq220 - 69 BC DNA
RIN: 2.10



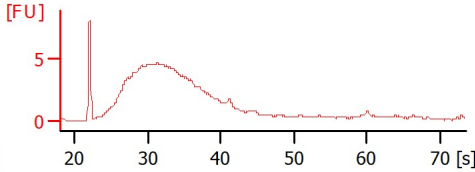
NovaSeq220 - 75 BC DNA
RIN: 2.10



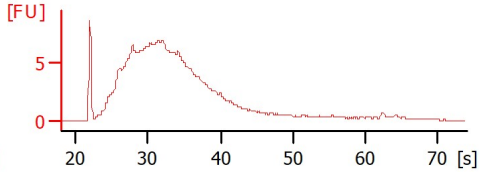
NovaSeq114 - 1 BC DNA
RIN: 2.10



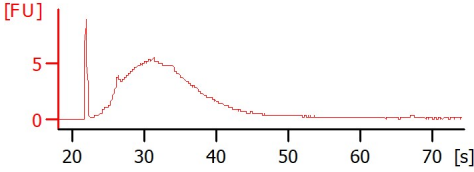
NovaSeq114 - 11 BC DNA
RIN: 2.60



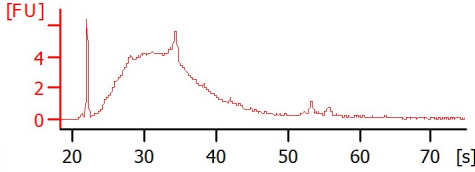
NovaSeq114 - 23 BC DNA
RIN: 2.10



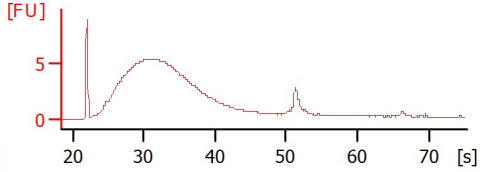
NovaSeq114 - 26 BC DNA
RIN: 2.10



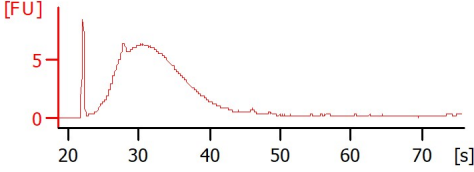
NovaSeq114 - 40 BC DNA
RIN: 2.20



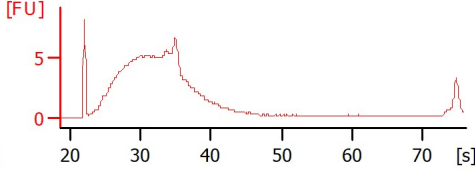
NovaSeq114 - 3 BC DNA
RIN: 2.10



NovaSeq114 - 17 BC DNA
RIN: 2



NovaSeq114 - 35 BC DNA
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
 Modified: 7/28/2020 3:25:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq220 - 65 BC DNA		✓	RIN: 2.50	
NovaSeq220 - 69 BC DNA		✓	RIN: 2.10	
NovaSeq220 - 75 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 1 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 11 BC DNA		✓	RIN: 2.60	
NovaSeq114 - 23 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 26 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 40 BC DNA		✓	RIN: 2.20	
NovaSeq114 - 3 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 17 BC DNA		✓	RIN:2	
NovaSeq114 - 35 BC DNA		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
 Modified: 7/28/2020 3:25:24 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 18
 End Analysis Time Range [s] : 69
 Ladder Concentration [pg/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.3
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

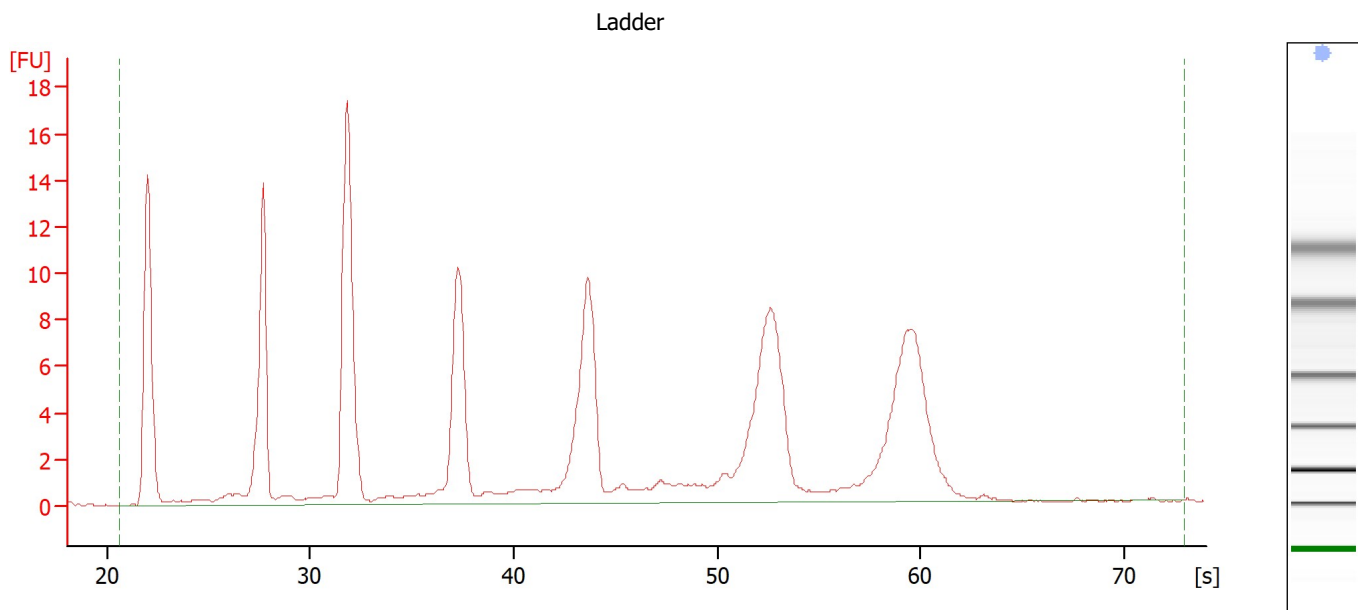
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary



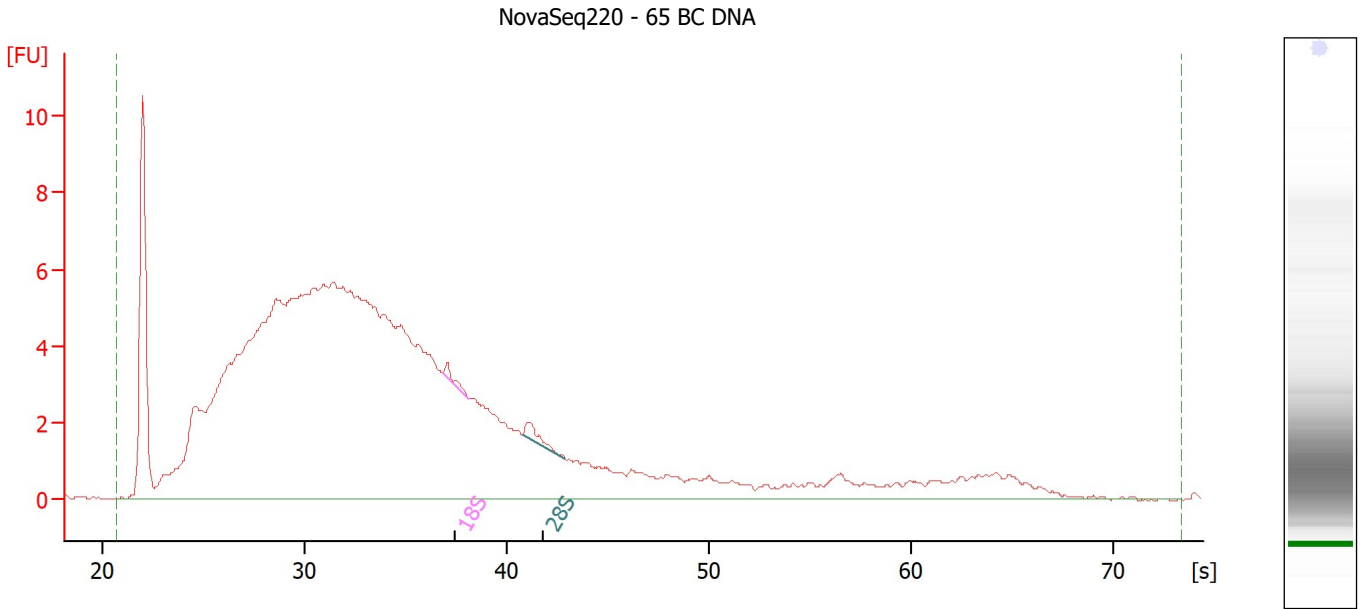
Overall Results for Ladder

RNA Area:	175.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NovaSeq220 - 65 BC DNA

RNA Area:	242.2	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	1,380 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 2.50

Fragment table for sample 1 : NovaSeq220 - 65 BC DNA

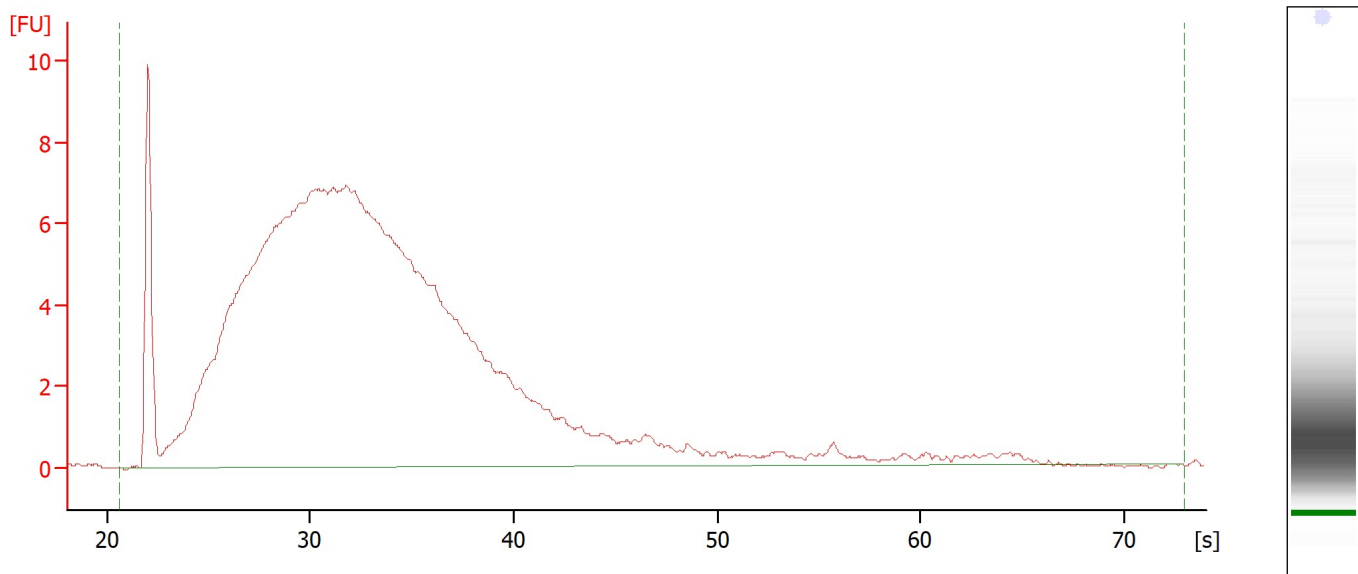
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	36.83	38.10	0.5	0.2
28S	40.76	42.88	0.9	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...

NovaSeq220 - 69 BC DNA



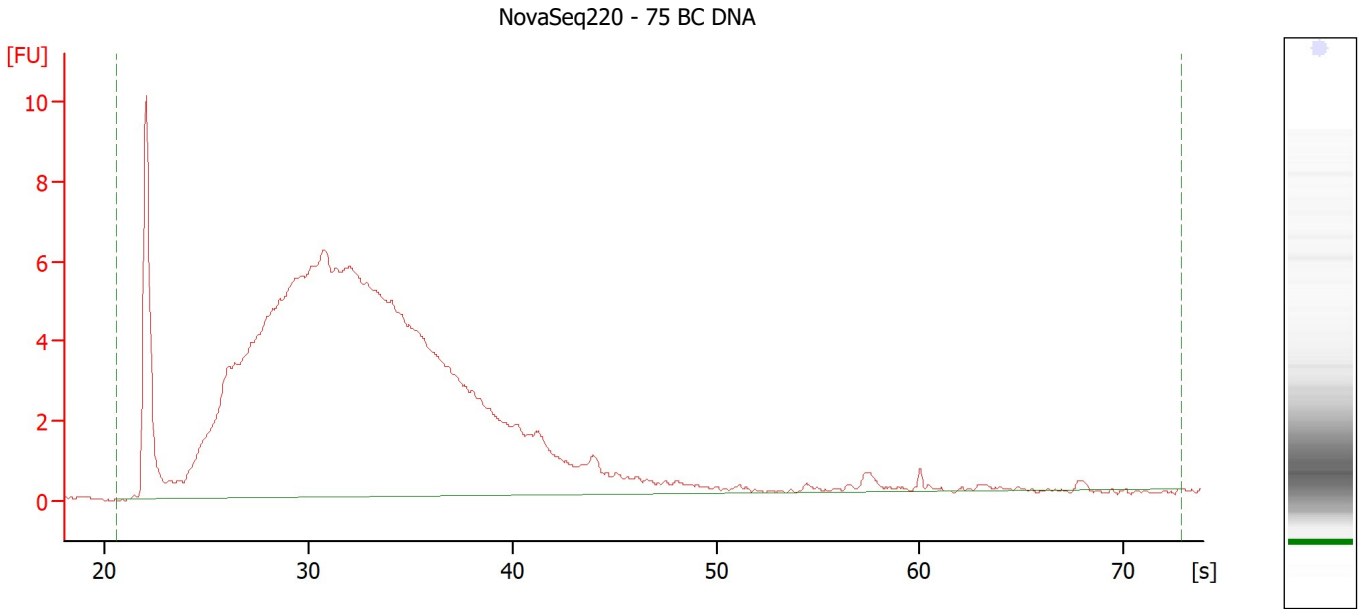
Overall Results for sample 2 : NovaSeq220 - 69 BC DNA

RNA Area:	271.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,549 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : NovaSeq220 - 75 BC DNA

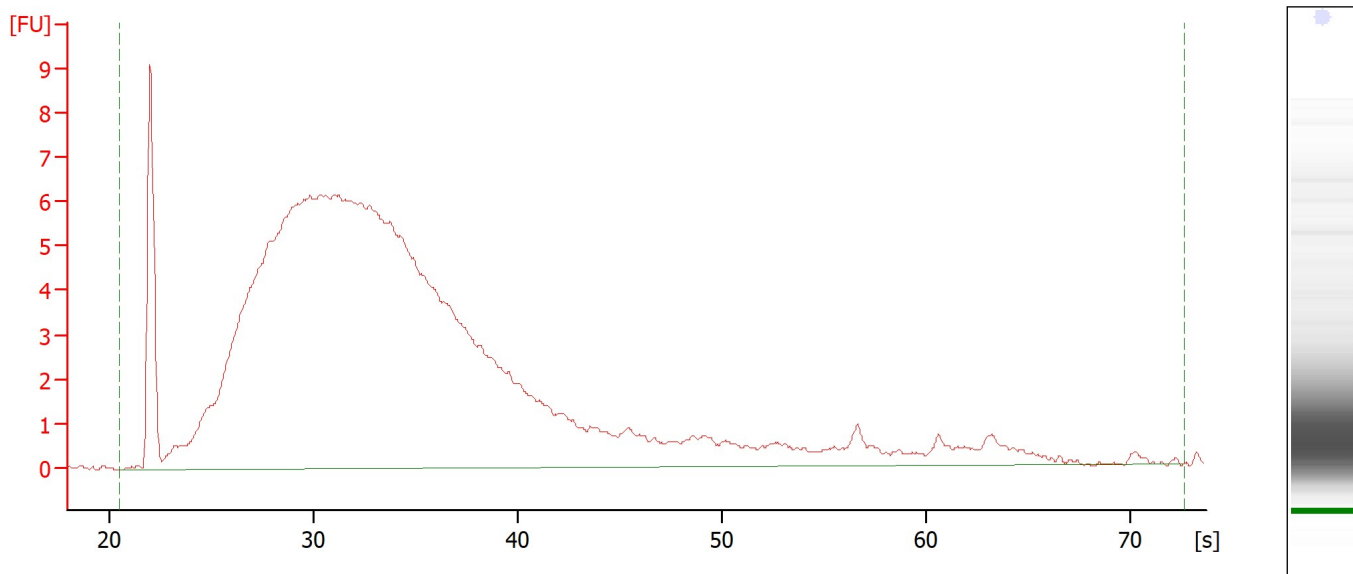
RNA Area:	224.1	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,277 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...

NovaSeq114 - 1 BC DNA



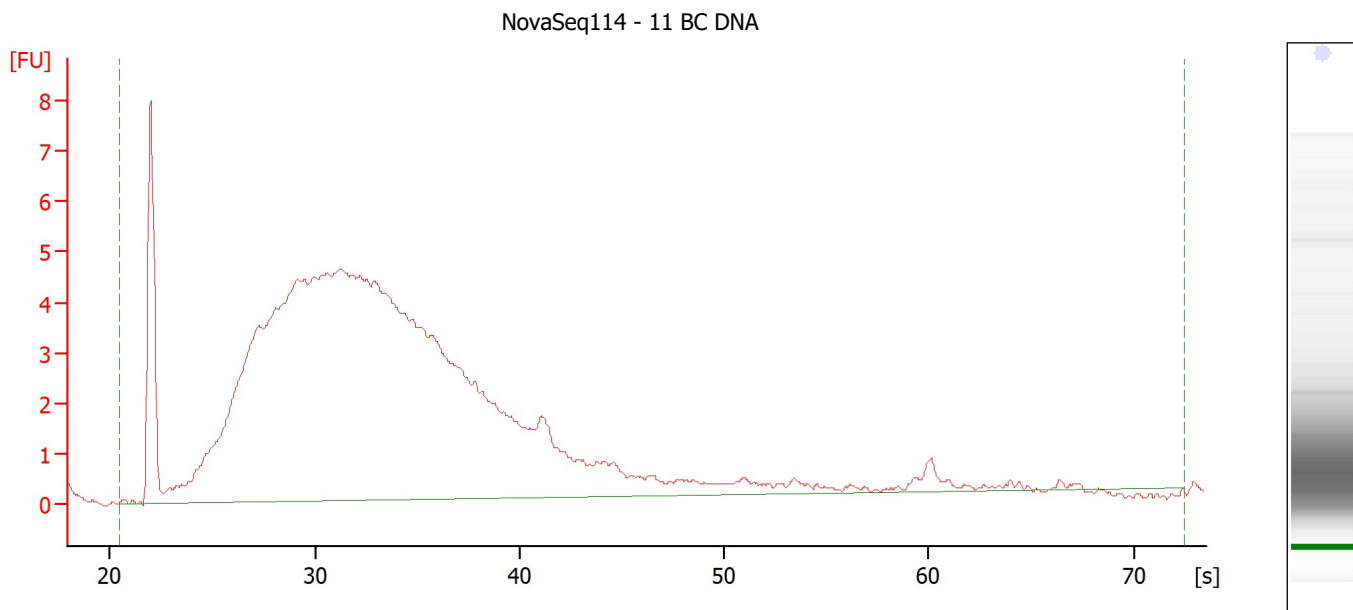
Overall Results for sample 4 : NovaSeq114 - 1 BC DNA

RNA Area:	250.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,430 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
 Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NovaSeq114 - 11 BC DNA

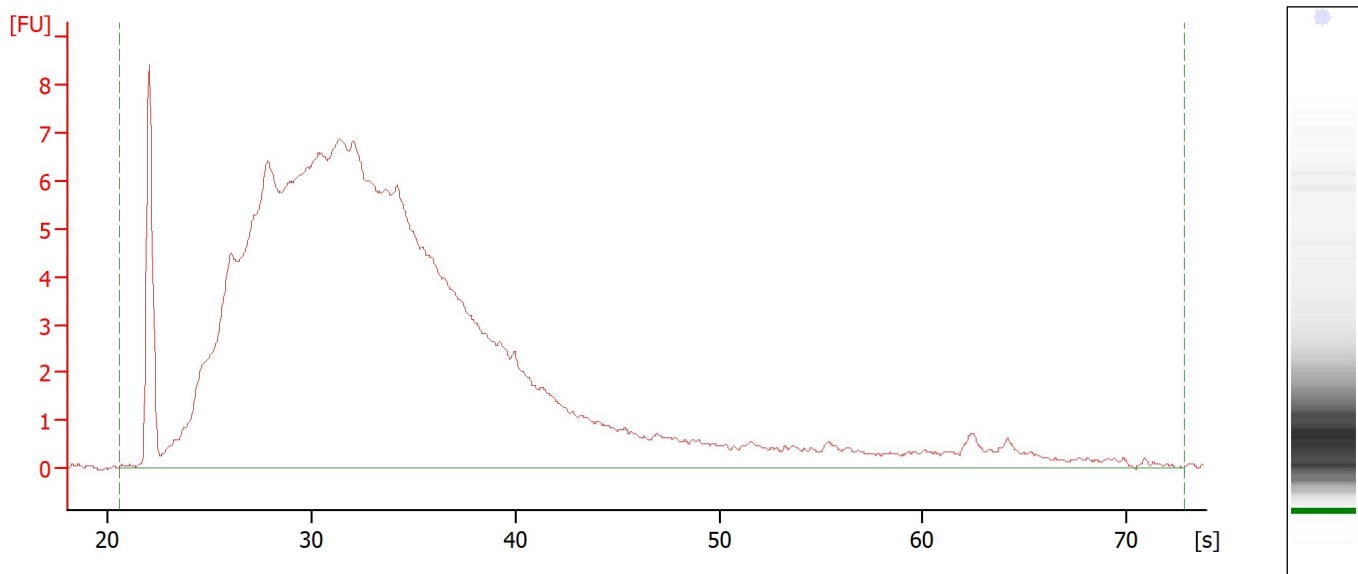
RNA Area:	178.2	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,015 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...

NovaSeq114 - 23 BC DNA



Overall Results for sample 6 : NovaSeq114 - 23 BC DNA

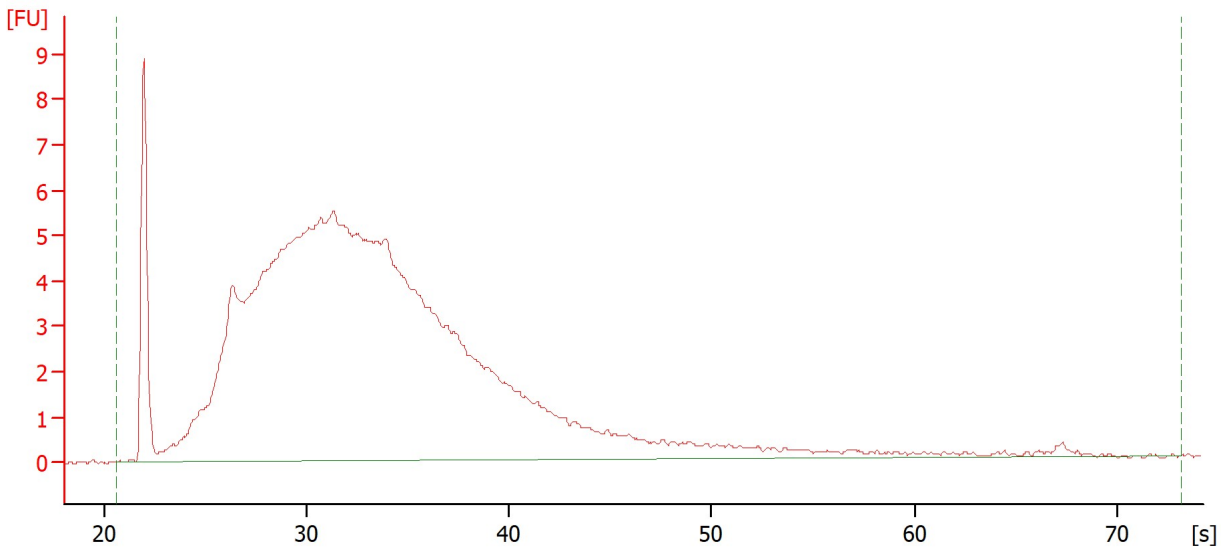
RNA Area:	278.1	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,585 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...

NovaSeq114 - 26 BC DNA



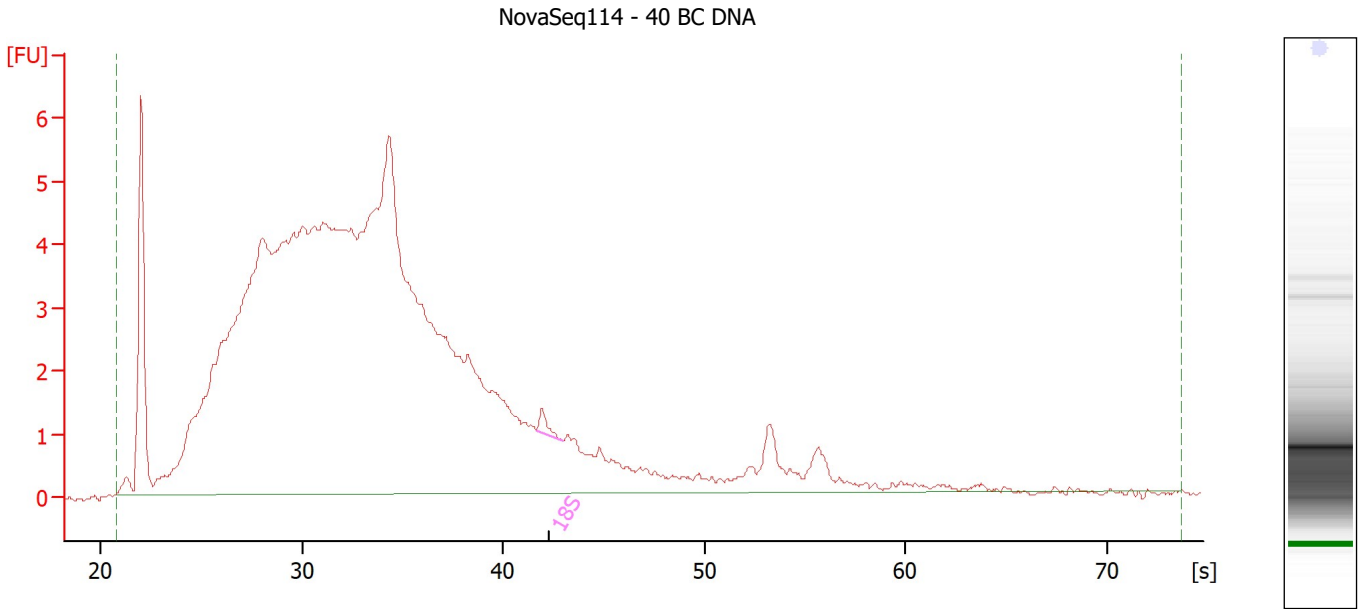
Overall Results for sample 7 : NovaSeq114 - 26 BC DNA

RNA Area:	204.3	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,164 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
 Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NovaSeq114 - 40 BC DNA

RNA Area:	184.1	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	1,049 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Fragment table for sample 8 : NovaSeq114 - 40 BC DNA

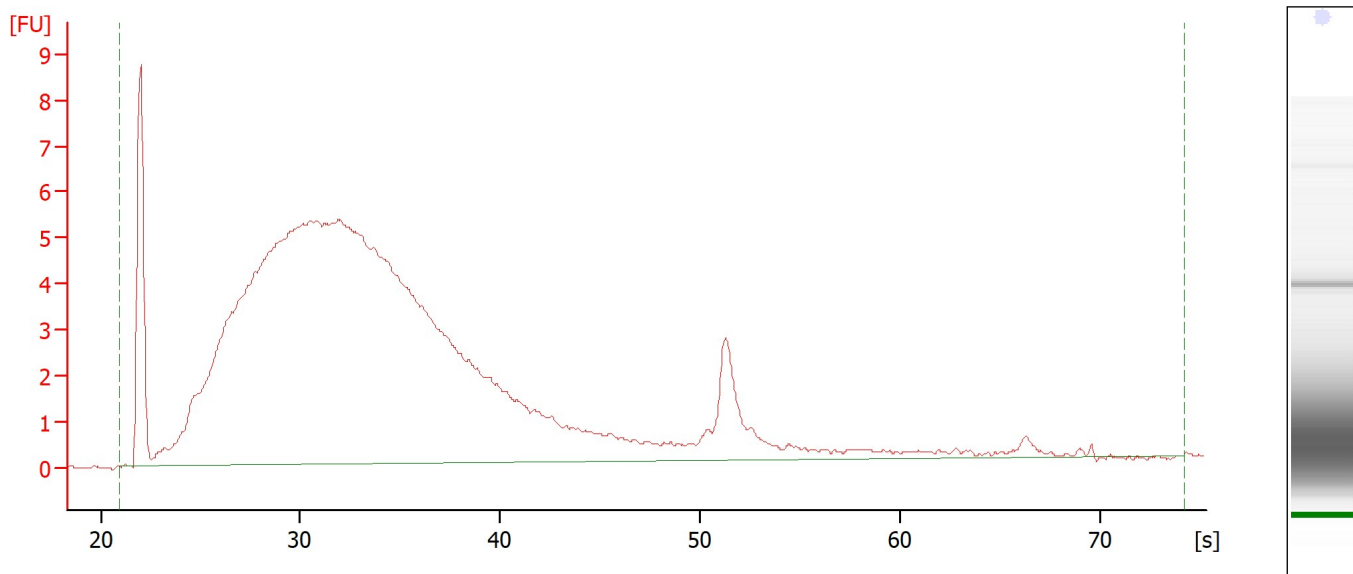
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.65	42.93	0.4	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
 Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...

NovaSeq114 - 3 BC DNA



Overall Results for sample 9 : NovaSeq114 - 3 BC DNA

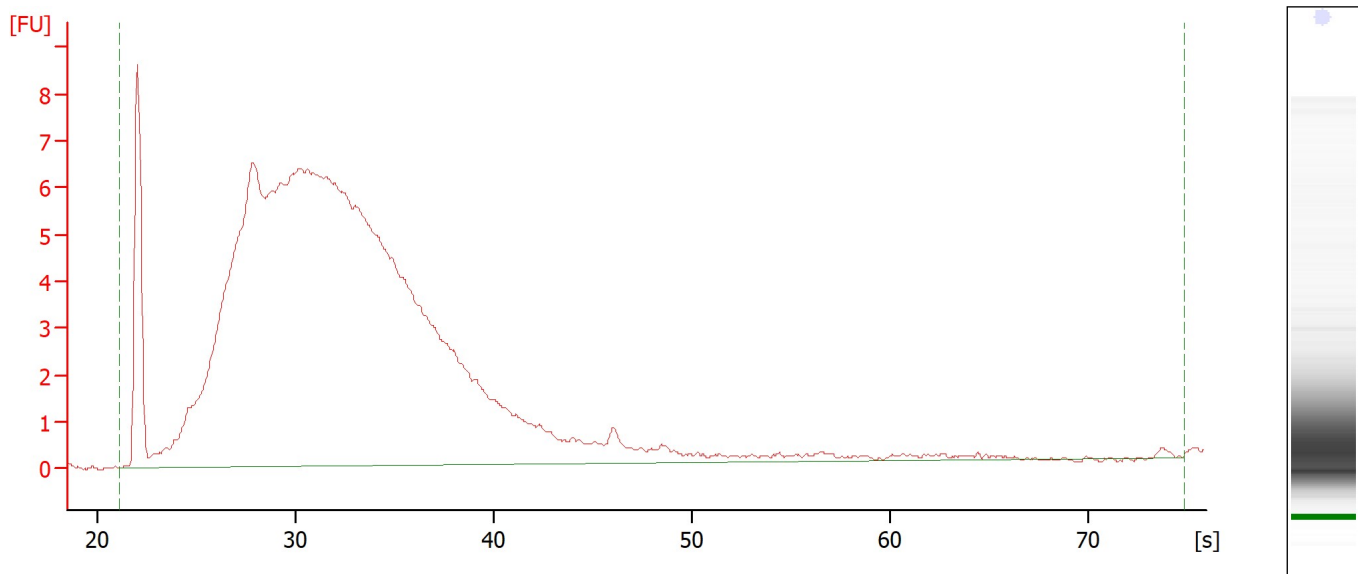
RNA Area:	214.8	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,224 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...

NovaSeq114 - 17 BC DNA



Overall Results for sample 10 : NovaSeq114 - 17 BC DNA

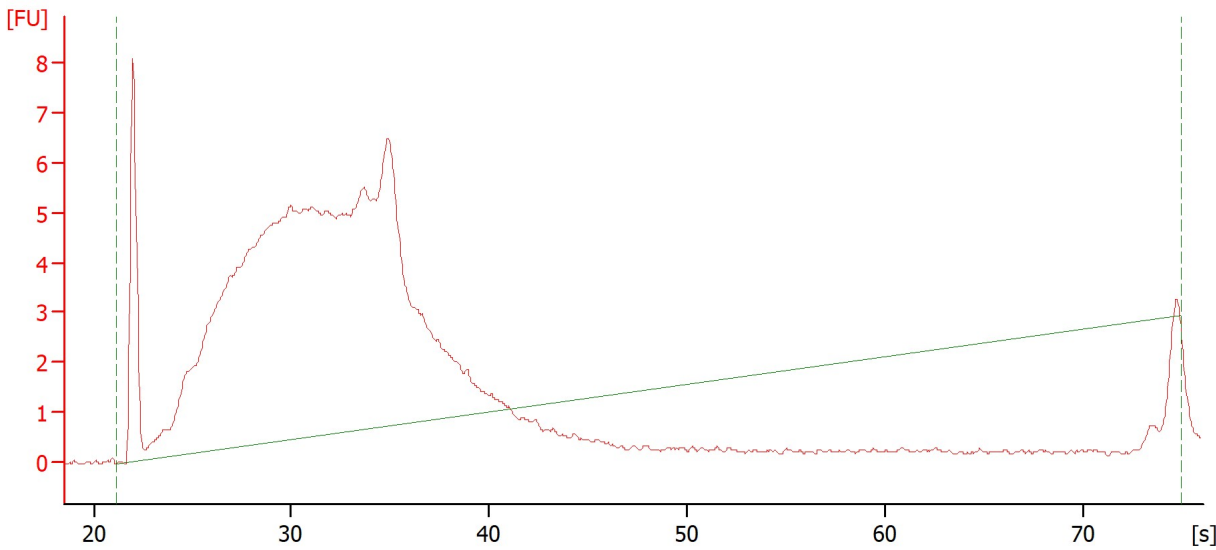
RNA Area:	231.0	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	1,317 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Electropherogram Summary Continued ...

NovaSeq114 - 35 BC DNA



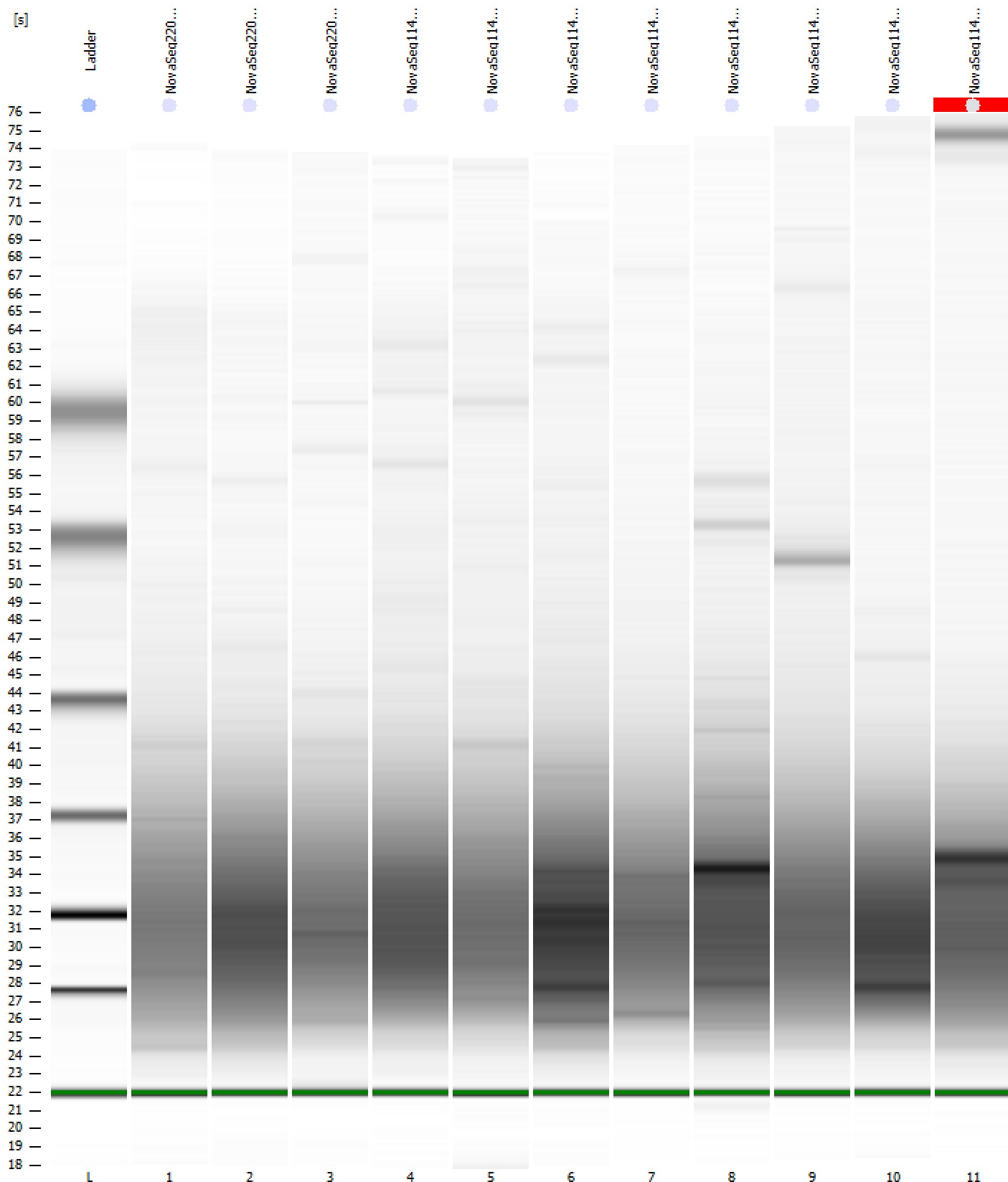
Overall Results for sample 11 : NovaSeq114 - 35 BC DNA

RNA Area:	167.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	956 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
Modified: 7/28/2020 3:25:24 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_001.xad

Created: 7/28/2020 3:00:30 PM
 Modified: 7/28/2020 3:25:24 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		7/28/2020 3:23:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-28\Bioanalyze r1_Eukaryote Total RNA Pico_2020-07-28_001.xad)		Instrument	Run		7/28/2020 3:00:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/28/2020 3:00:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/28/2020 3:00:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/28/2020 3:00:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/28/2020 3:00:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/28/2020 3:00:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/28/2020 3:00:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB