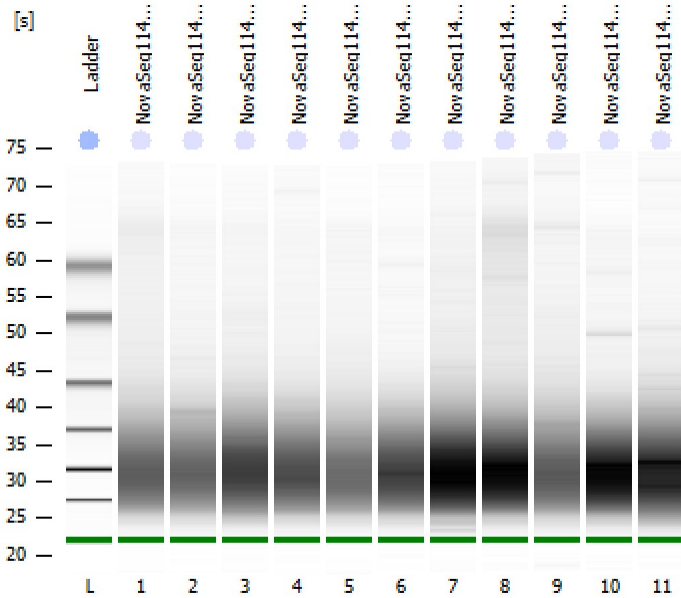


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electrophoresis File Run Summary



Instrument Information:

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

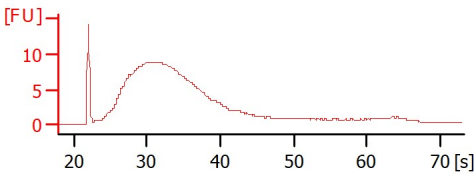
Assay Information:

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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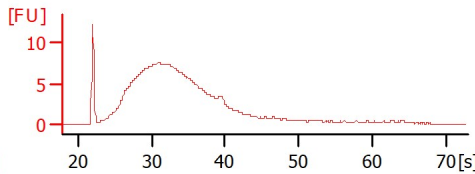
Chip Information:

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

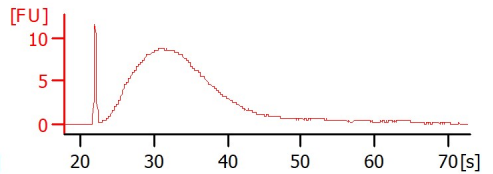
NovaSeq114 - 2 BC DNA
RIN: 2.10



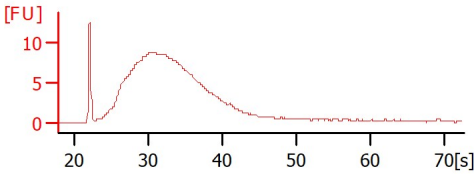
NovaSeq114 - 4 BC DNA
RIN: 2.10



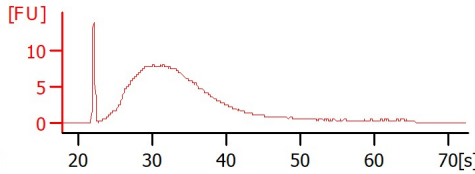
NovaSeq114 - 5 BC DNA
RIN: 2.10



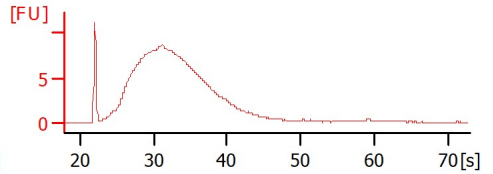
NovaSeq114 - 8 BC DNA
RIN: 2.10



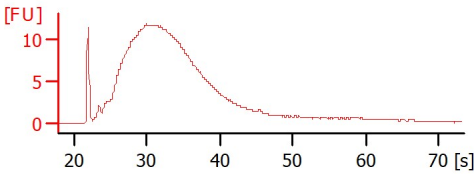
NovaSeq114 - 10 BC DNA
RIN: 2.20



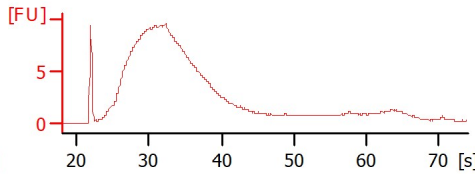
NovaSeq114 - 13 BC DNA
RIN: 2



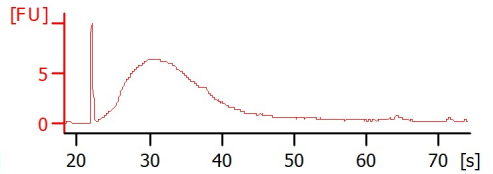
NovaSeq114 - 15 BC DNA
RIN: 1.90



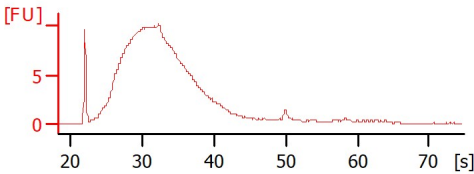
NovaSeq114 - 19 BC DNA
RIN: 1.90



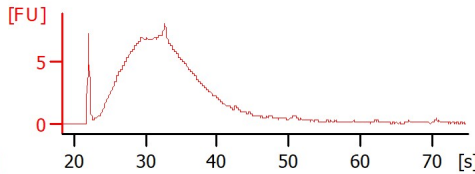
NovaSeq114 - 20 BC DNA
RIN: 2.10



NovaSeq114 - 25 BC DNA
RIN: 1.90



NovaSeq114 - 40 BC DNA
RIN: 1.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq114 - 2 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 4 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 5 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 8 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 10 BC DNA		✓	RIN: 2.20	
NovaSeq114 - 13 BC DNA		✓	RIN:2	
NovaSeq114 - 15 BC DNA		✓	RIN: 1.90	
NovaSeq114 - 19 BC DNA		✓	RIN: 1.90	
NovaSeq114 - 20 BC DNA		✓	RIN: 2.10	
NovaSeq114 - 25 BC DNA		✓	RIN: 1.90	
NovaSeq114 - 40 BC DNA		✓	RIN: 1.90	
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_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 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

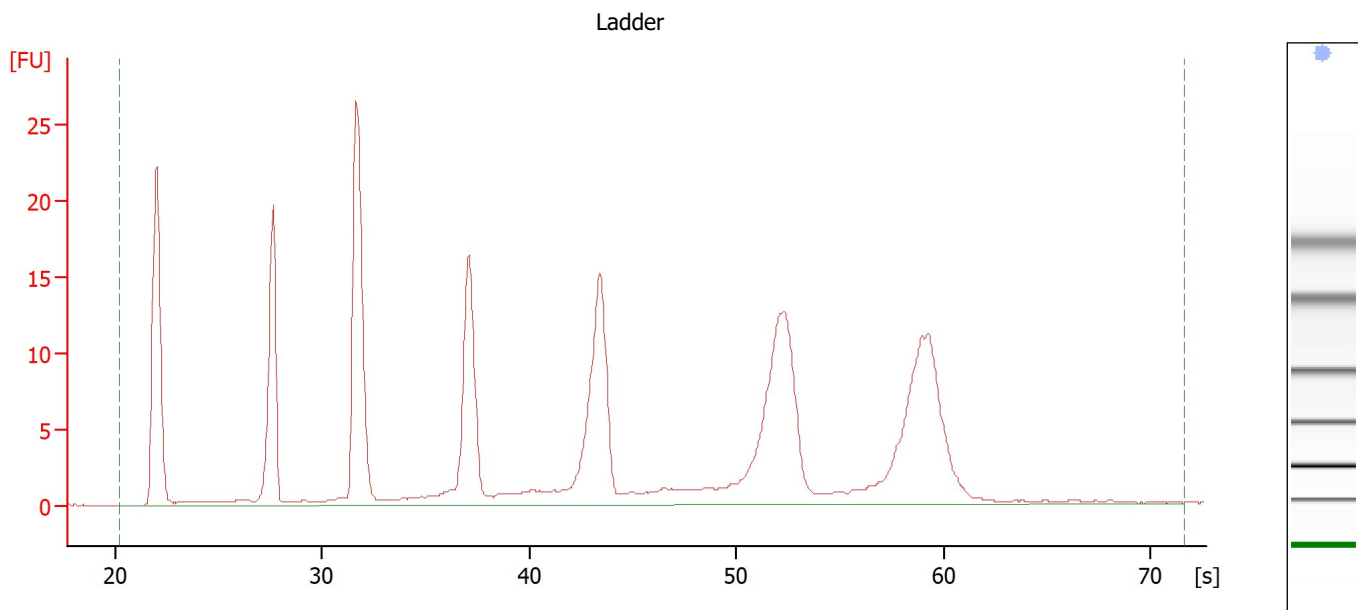
Ladder

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_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary



Overall Results for Ladder

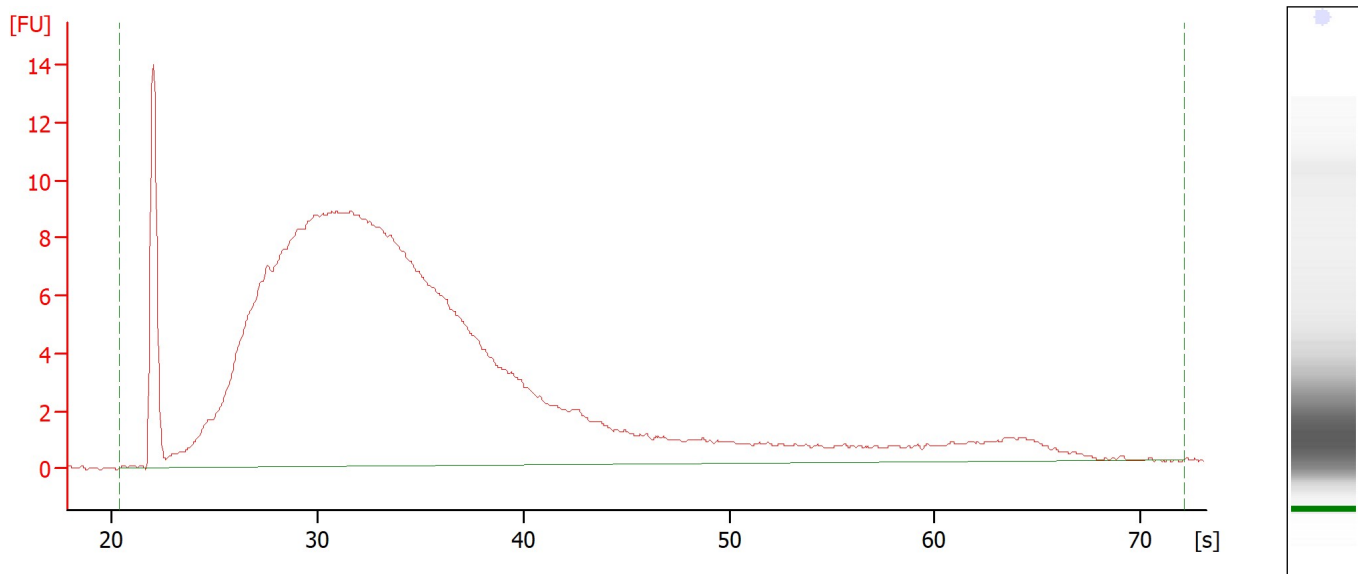
RNA Area:	250.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...

NovaSeq114 - 2 BC DNA



Overall Results for sample 1 : NovaSeq114 - 2 BC DNA

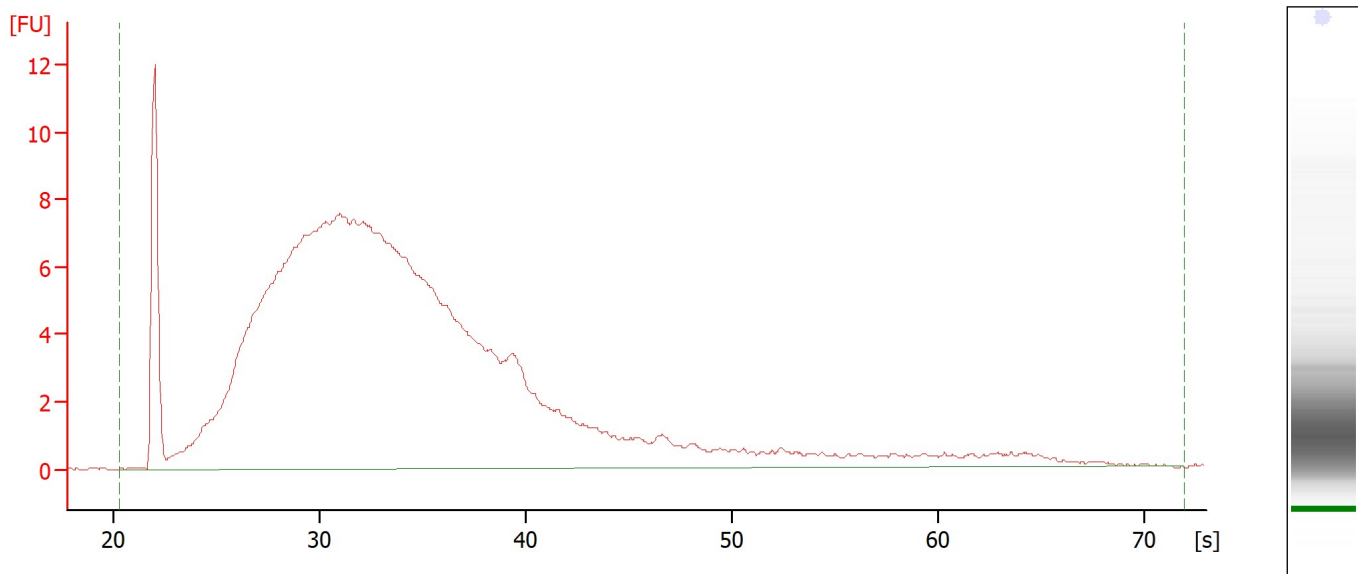
RNA Area:	357.4	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,425 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...

NovaSeq114 - 4 BC DNA



Overall Results for sample 2 : NovaSeq114 - 4 BC DNA

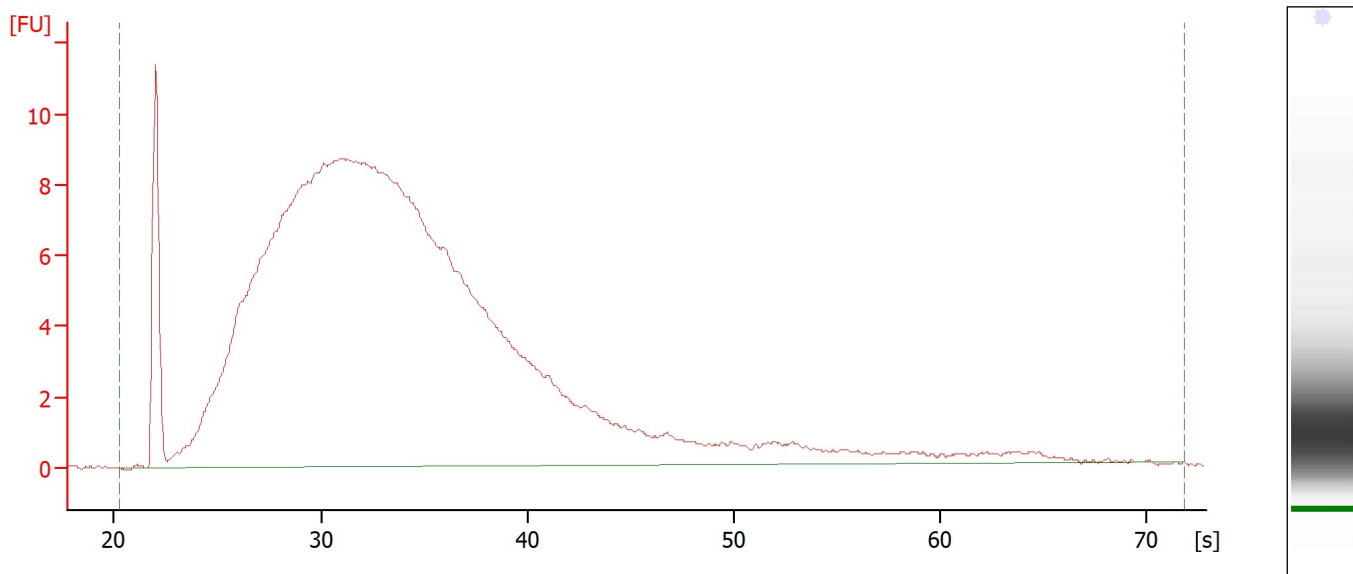
RNA Area:	294.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,175 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...

NovaSeq114 - 5 BC DNA



Overall Results for sample 3 : NovaSeq114 - 5 BC DNA

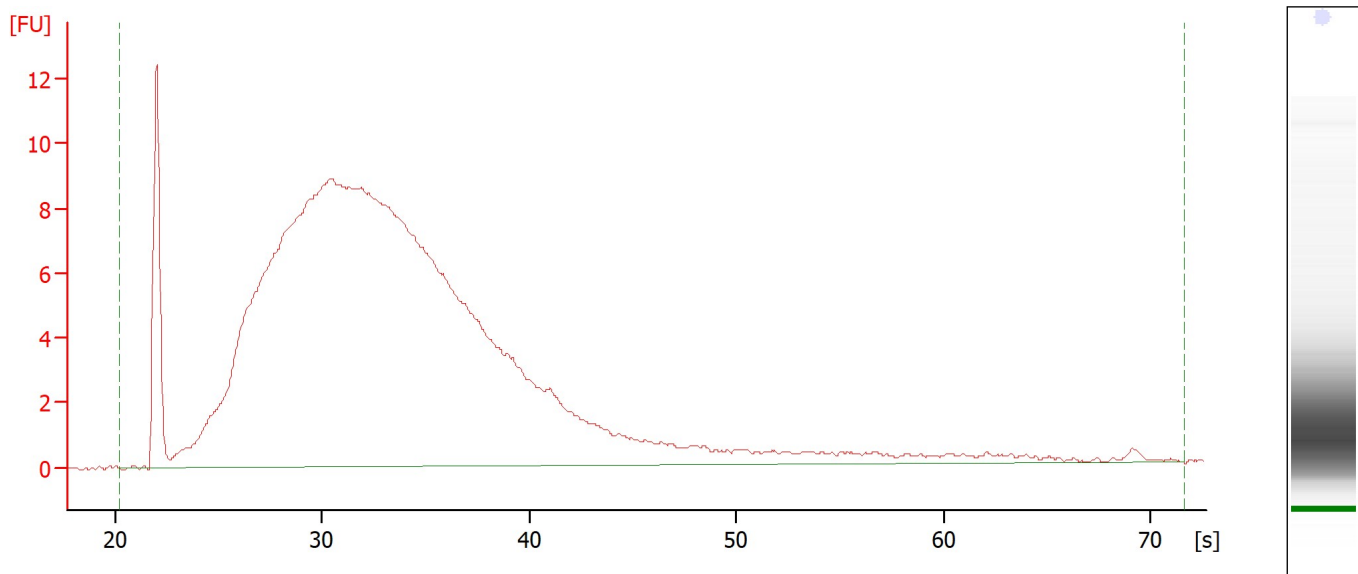
RNA Area:	350.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,399 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...

NovaSeq114 - 8 BC DNA



Overall Results for sample 4 : NovaSeq114 - 8 BC DNA

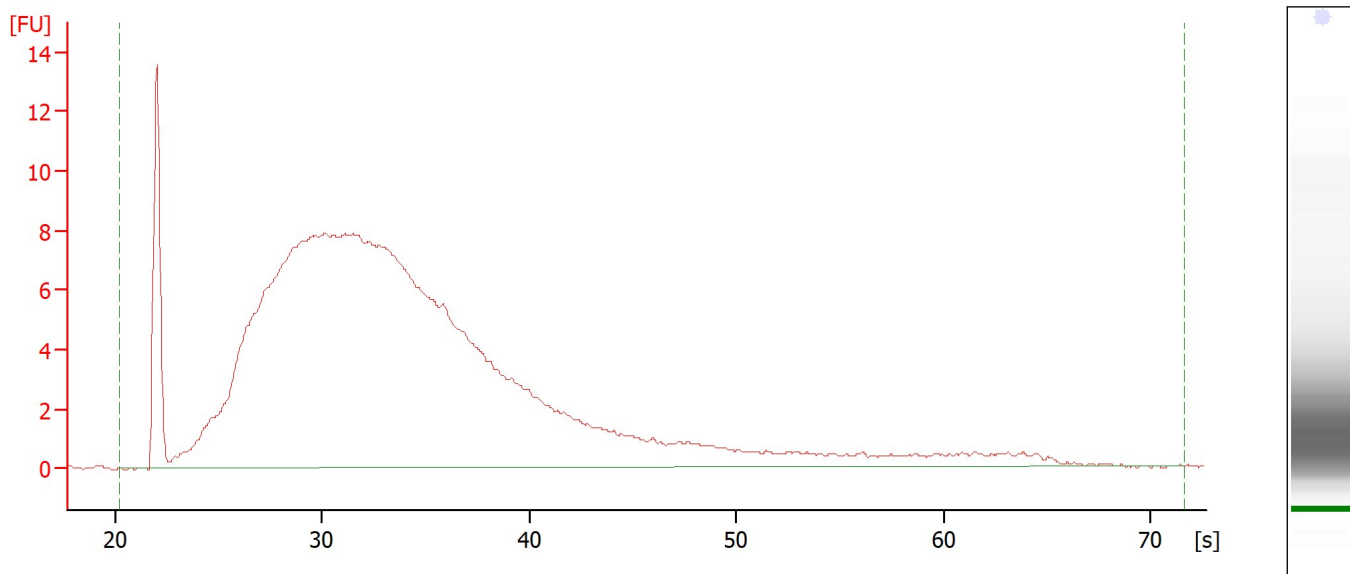
RNA Area:	337.0	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,344 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...

NovaSeq114 - 10 BC DNA



Overall Results for sample 5 : NovaSeq114 - 10 BC DNA

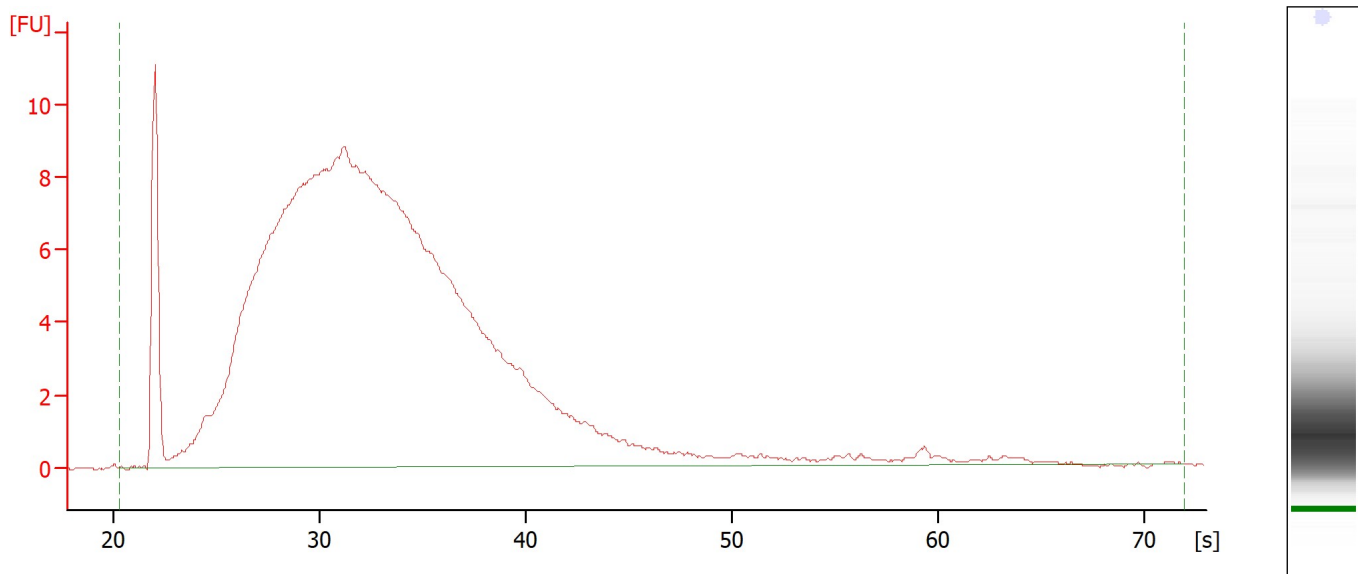
RNA Area:	319.5	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	1,274 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...

NovaSeq114 - 13 BC DNA



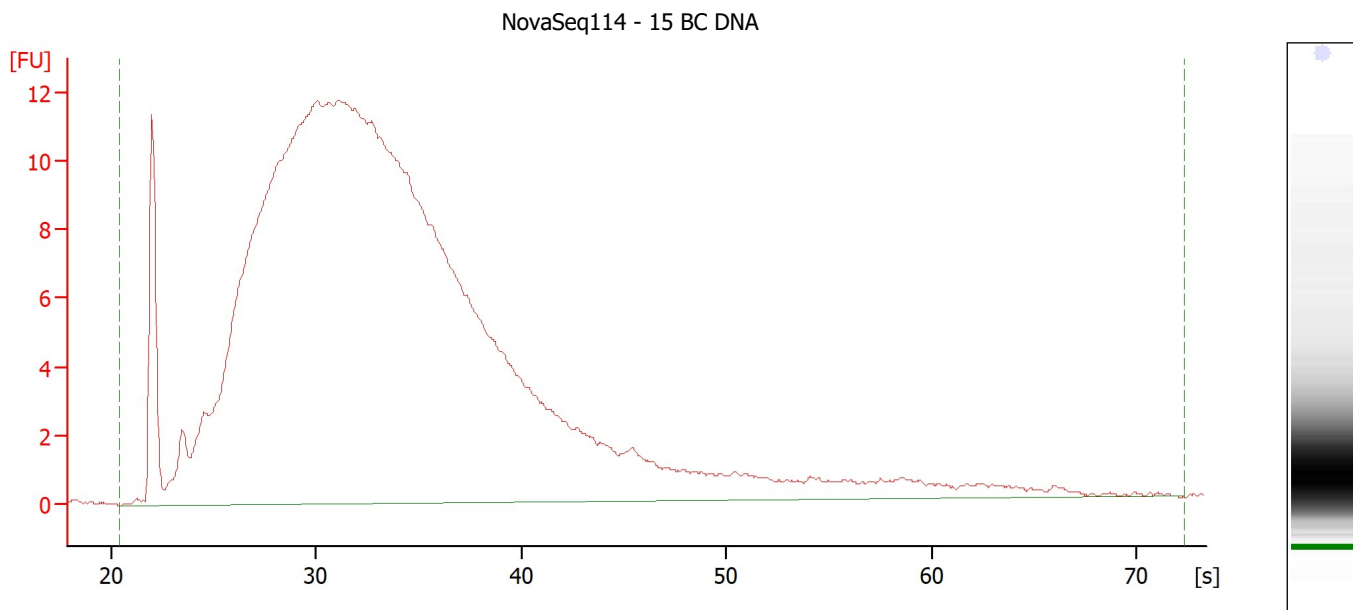
Overall Results for sample 6 : NovaSeq114 - 13 BC DNA

RNA Area:	311.5	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	1,242 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_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...



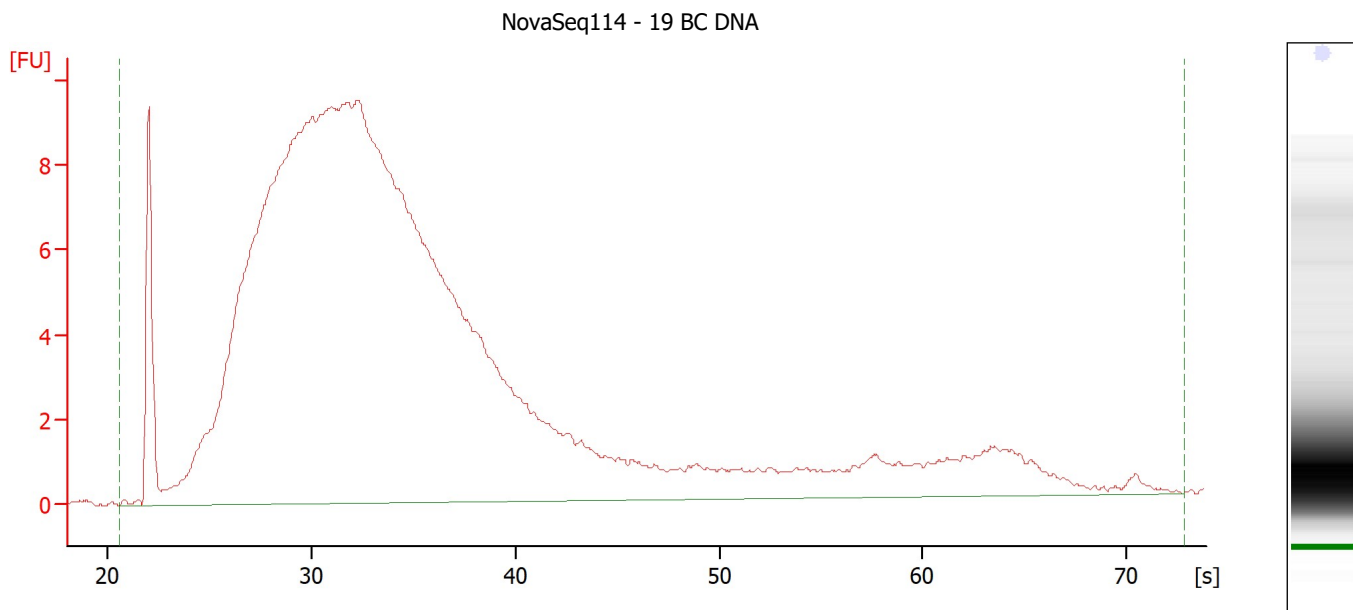
Overall Results for sample 7 : NovaSeq114 - 15 BC DNA

RNA Area:	467.0	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,862 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...



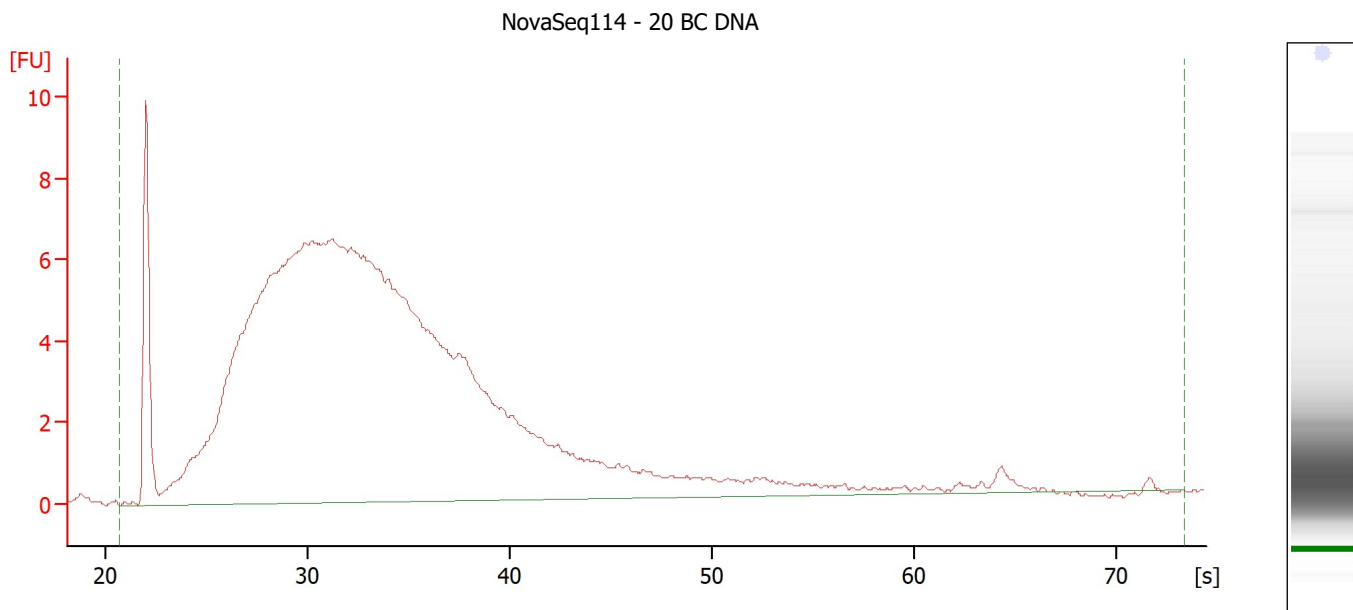
Overall Results for sample 8 : NovaSeq114 - 19 BC DNA

RNA Area:	362.4	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,445 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...



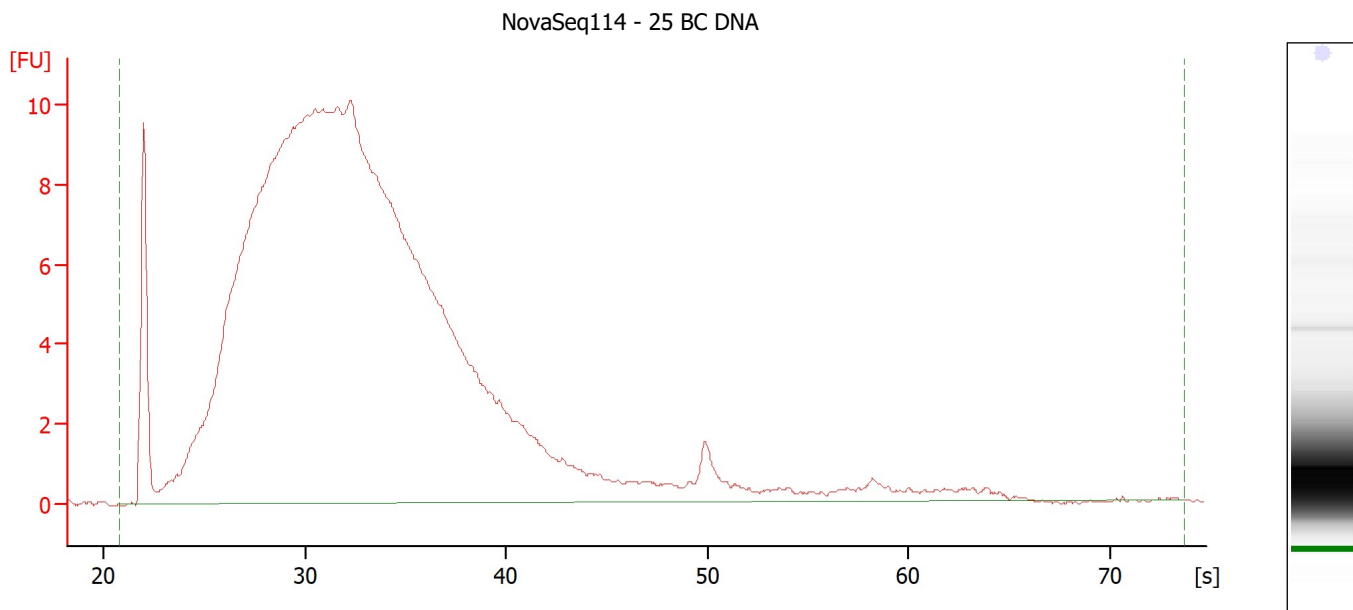
Overall Results for sample 9 : NovaSeq114 - 20 BC DNA

RNA Area:	257.4	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,027 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_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...



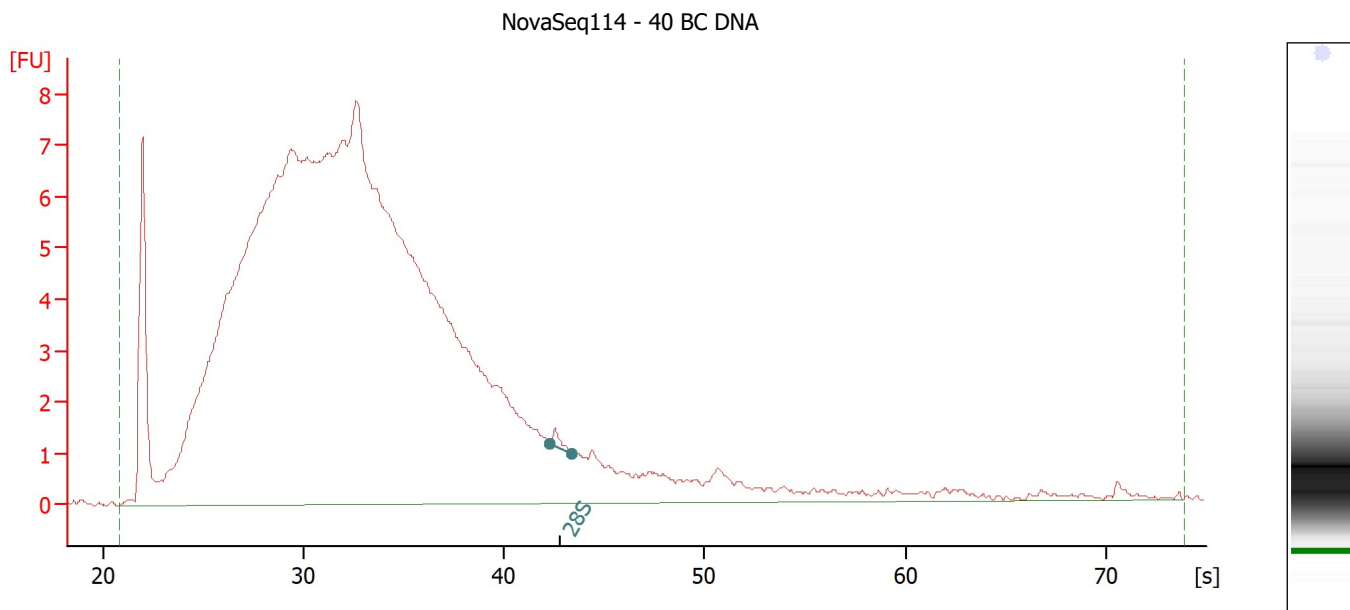
Overall Results for sample 10 : NovaSeq114 - 25 BC DNA

RNA Area:	357.5	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,426 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NovaSeq114 - 40 BC DNA

RNA Area:	279.7	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	1,115 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

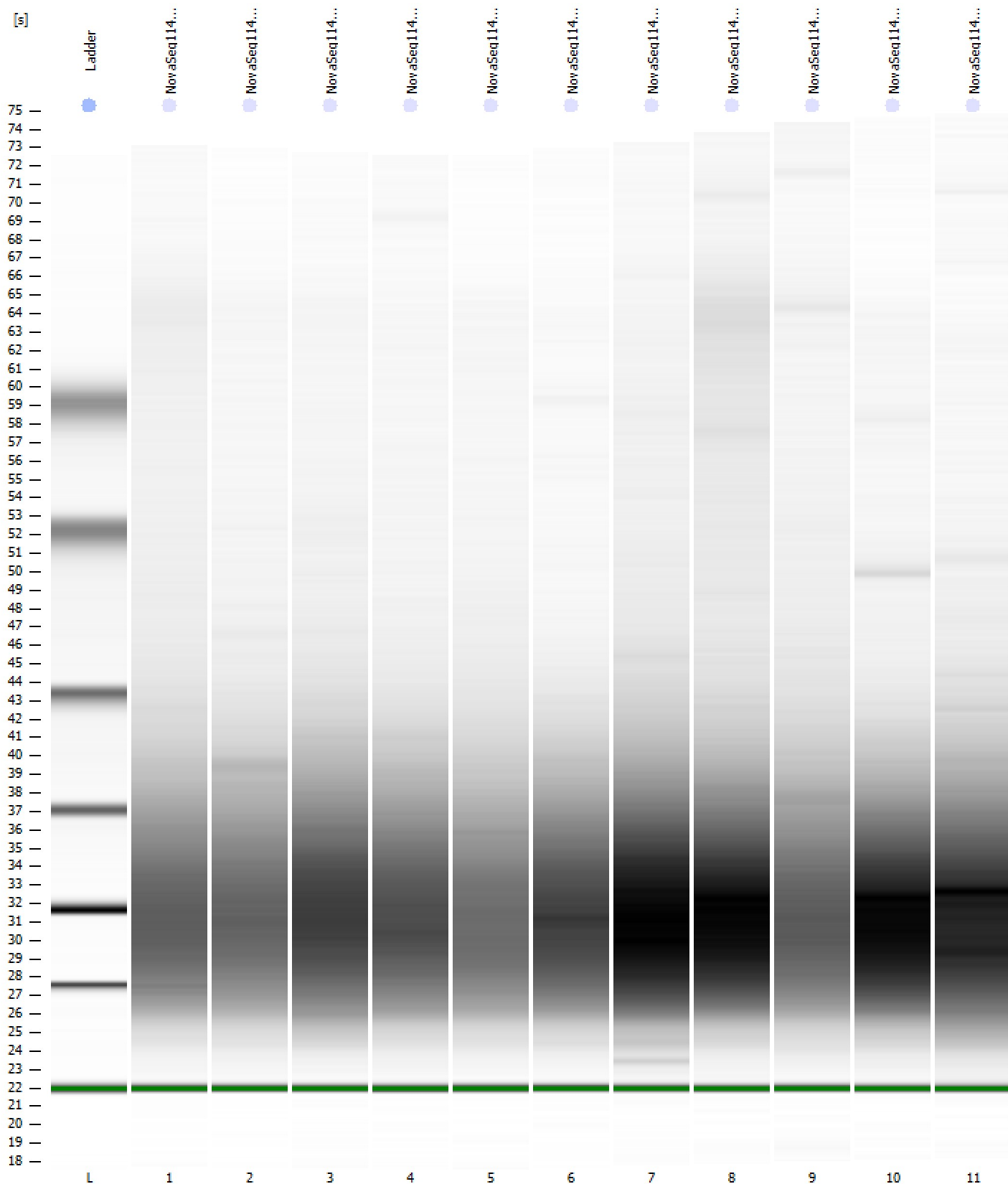
Fragment table for sample 11 : NovaSeq114 - 40 BC DNA

Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	42.29	43.36	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
Modified: 7/28/2020 3:55:31 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...28\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-28_002.xad

Created: 7/28/2020 3:33:20 PM
 Modified: 7/28/2020 3:55:31 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 3:55:24 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_002.xad)		Instrument	Run		7/28/2020 3:33:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/28/2020 3:33:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/28/2020 3:33:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/28/2020 3:33:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/28/2020 3:33:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/28/2020 3:33:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/28/2020 3:33:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB