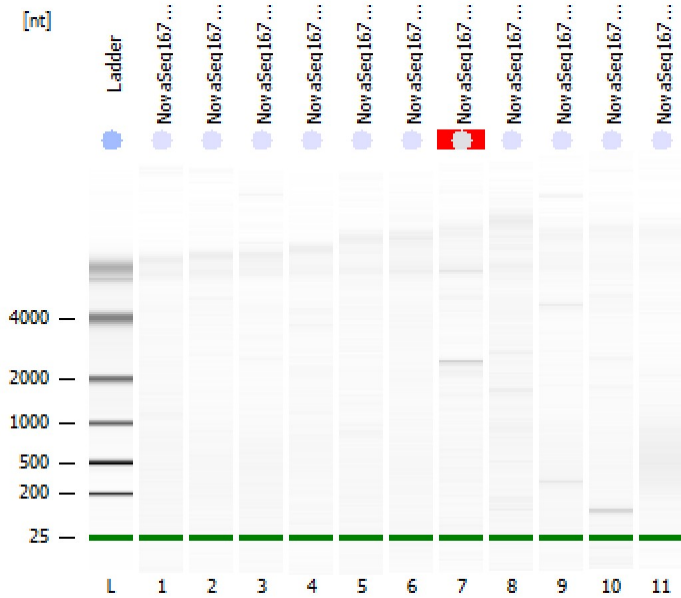


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electrophoresis File Run Summary



Instrument Information:

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

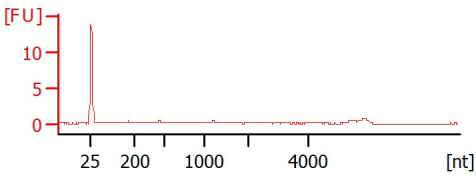
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

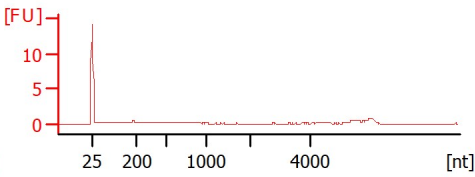
Chip Information:

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

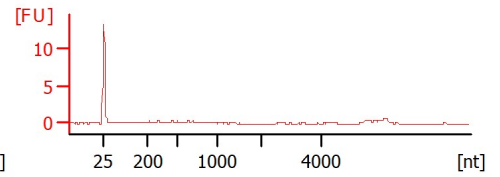
NovaSeq167 -12 BC DNA
RIN:1



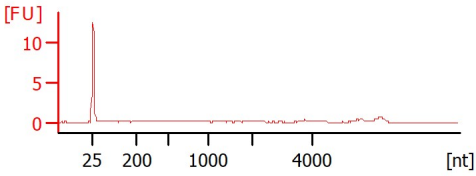
NovaSeq167 -13 BC DNA
RIN:1



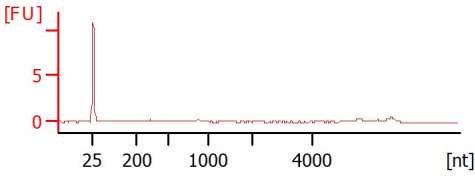
NovaSeq167 -14 BC DNA
RIN:1



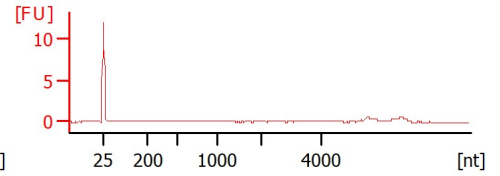
NovaSeq167 -15 BC DNA
RIN:1



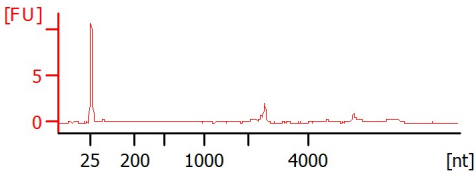
NovaSeq167 -16 BC DNA
RIN:1



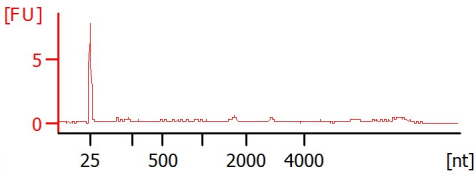
NovaSeq167 -17 BC DNA
RIN:1



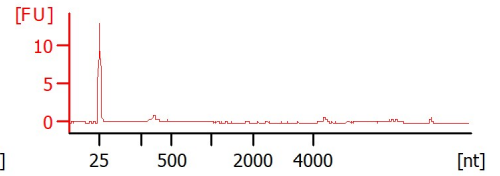
NovaSeq167 -18 BC DNA
RIN N/A



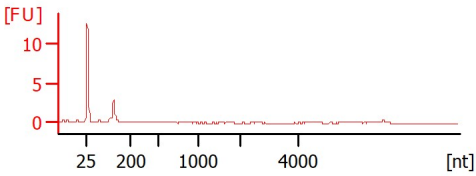
NovaSeq167 -19 BC DNA
RIN:1



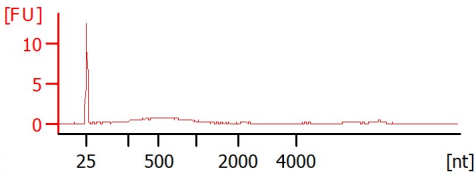
NovaSeq167 -20 BC DNA
RIN:1



NovaSeq167 -21 BC DNA
RIN: 2.10



NovaSeq167 -22 BC DNA
RIN: 1.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
 Modified: 5/25/2020 3:15:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq167 -12 BC DNA		✓	RIN:1	
NovaSeq167 -13 BC DNA		✓	RIN:1	
NovaSeq167 -14 BC DNA		✓	RIN:1	
NovaSeq167 -15 BC DNA		✓	RIN:1	
NovaSeq167 -16 BC DNA		✓	RIN:1	
NovaSeq167 -17 BC DNA		✓	RIN:1	
NovaSeq167 -18 BC DNA		✓	RIN N/A	
NovaSeq167 -19 BC DNA		✓	RIN:1	
NovaSeq167 -20 BC DNA		✓	RIN:1	
NovaSeq167 -21 BC DNA		✓	RIN: 2.10	
NovaSeq167 - 22 BC DNA		✓	RIN: 1.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
 Modified: 5/25/2020 3:15:24 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

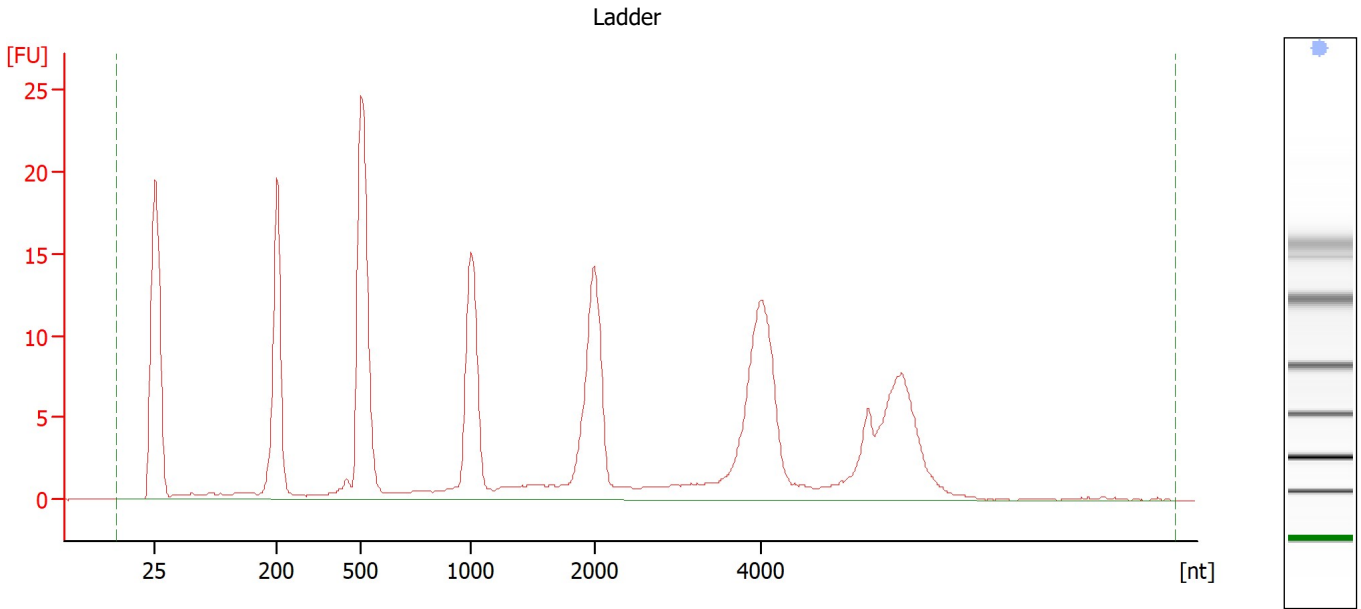
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary



Overall Results for Ladder

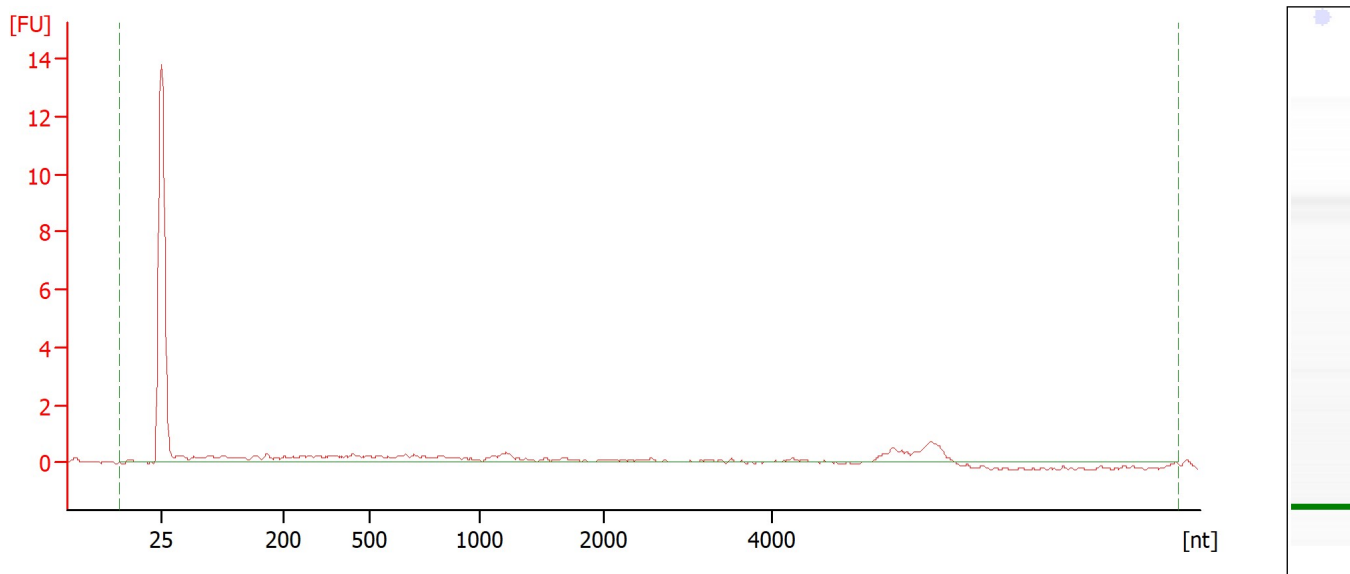
RNA Area:	242.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -12 BC DNA



Overall Results for sample 1 : NovaSeq167 -12 BC DNA

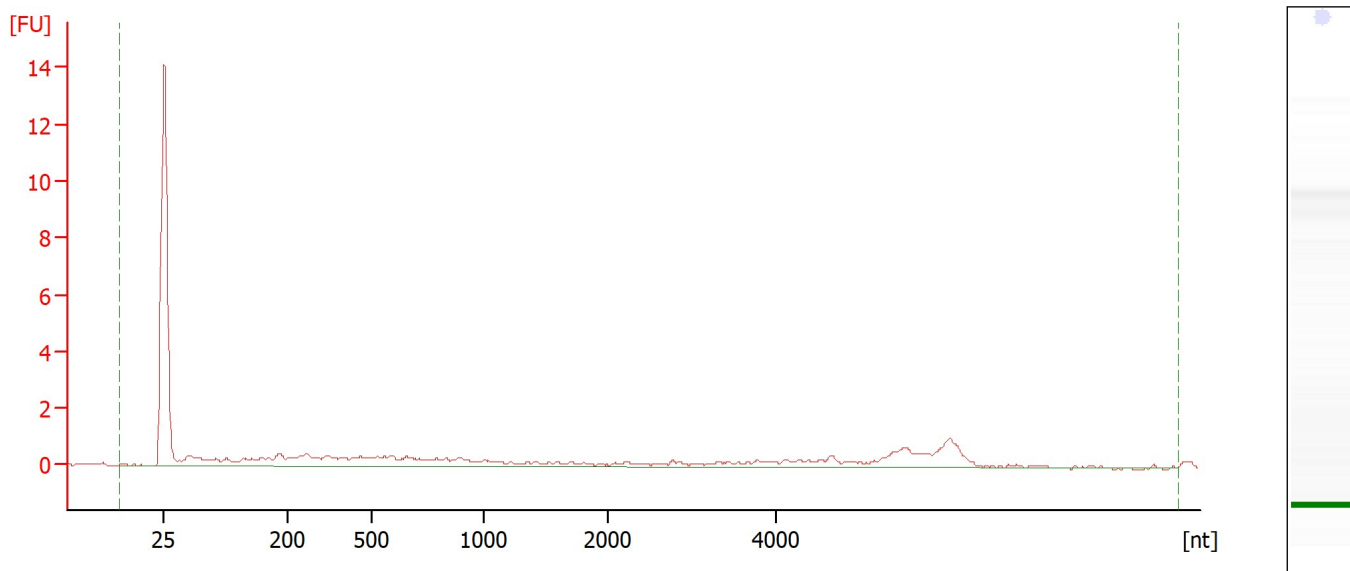
RNA Area:	14.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	61 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -13 BC DNA



Overall Results for sample 2 : NovaSeq167 -13 BC DNA

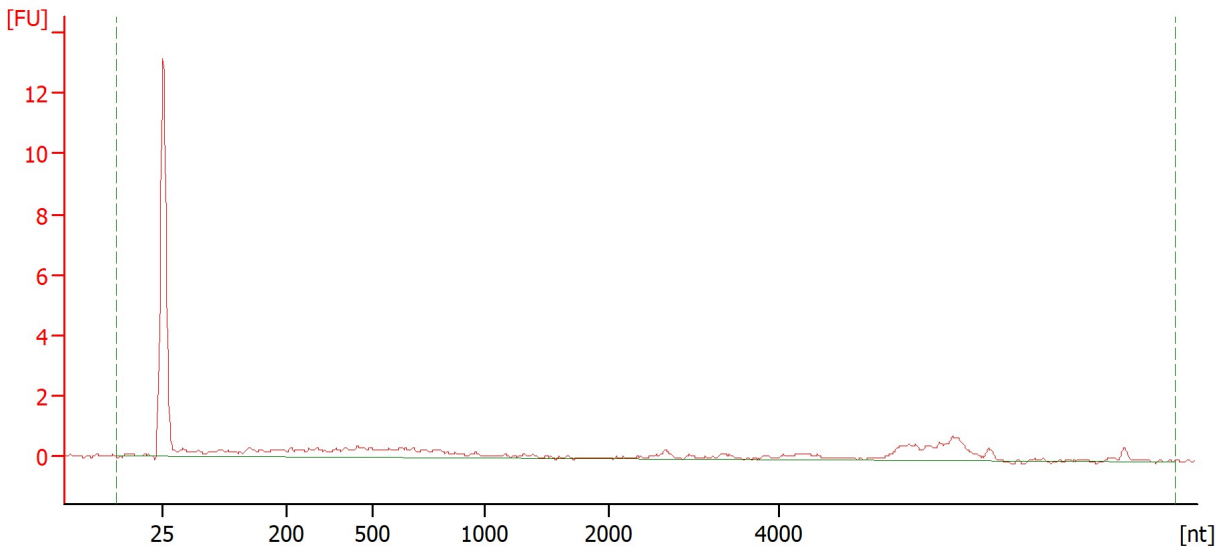
RNA Area:	22.1	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	91 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -14 BC DNA



Overall Results for sample 3 : NovaSeq167 -14 BC DNA

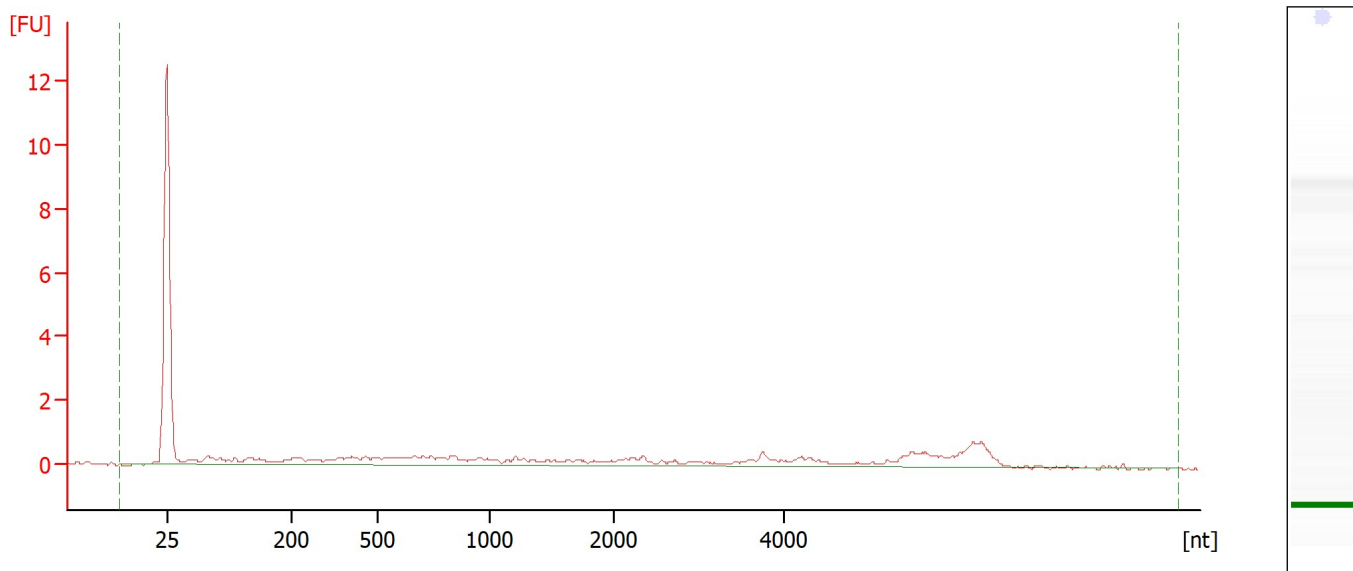
RNA Area:	17.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	74 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
 Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -15 BC DNA



Overall Results for sample 4 : NovaSeq167 -15 BC DNA

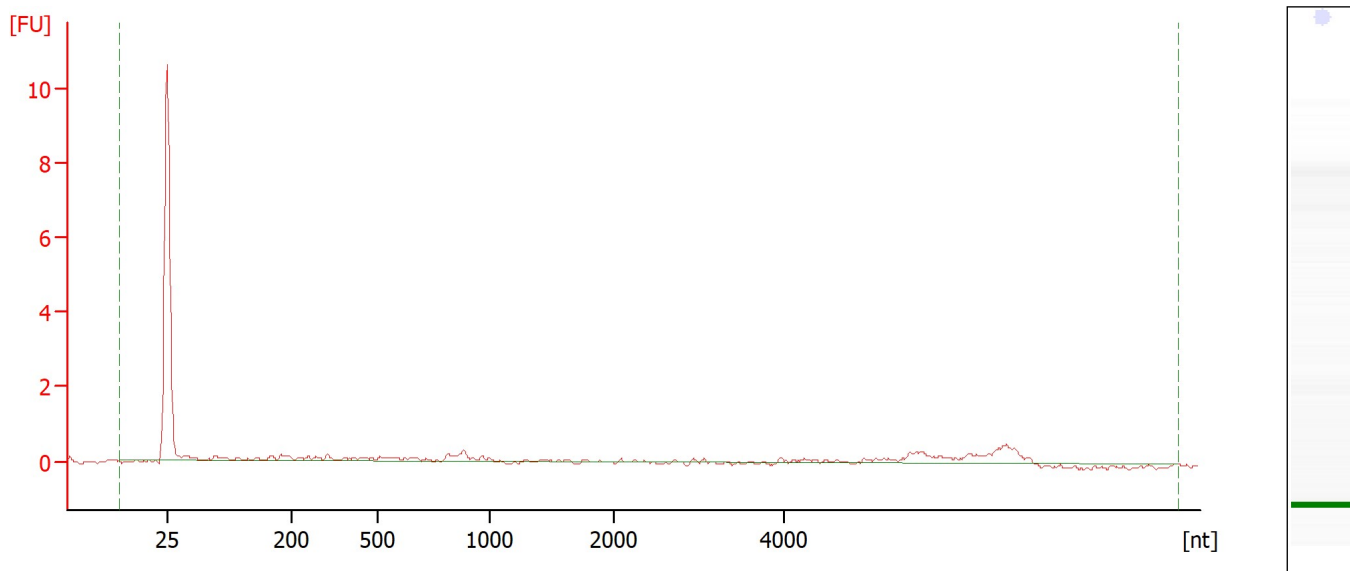
RNA Area:	20.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	84 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -16 BC DNA



Overall Results for sample 5 : NovaSeq167 -16 BC DNA

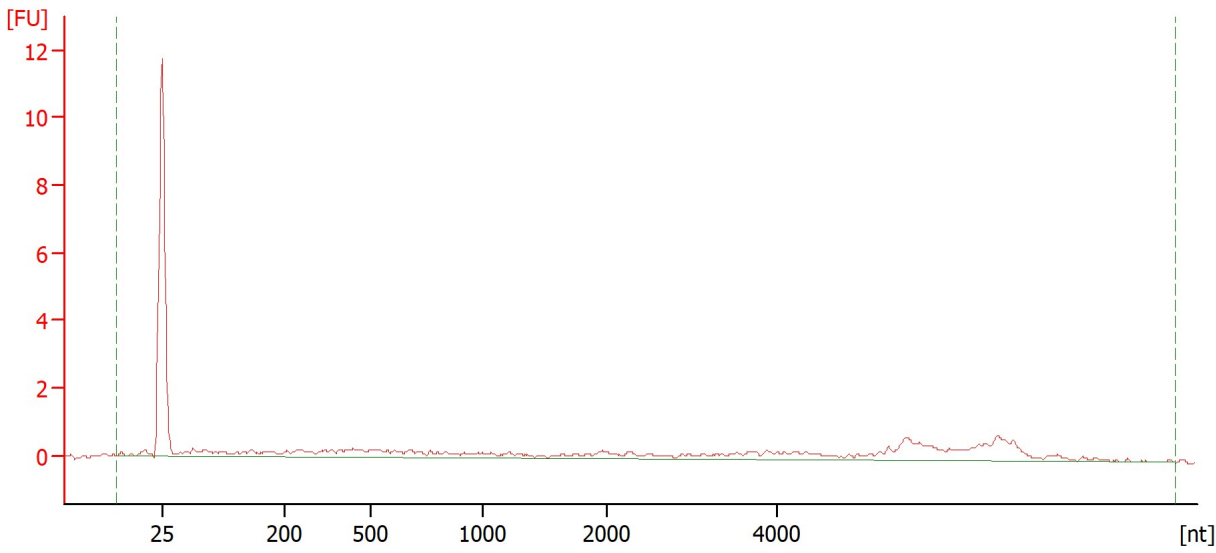
RNA Area:	7.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	31 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -17 BC DNA



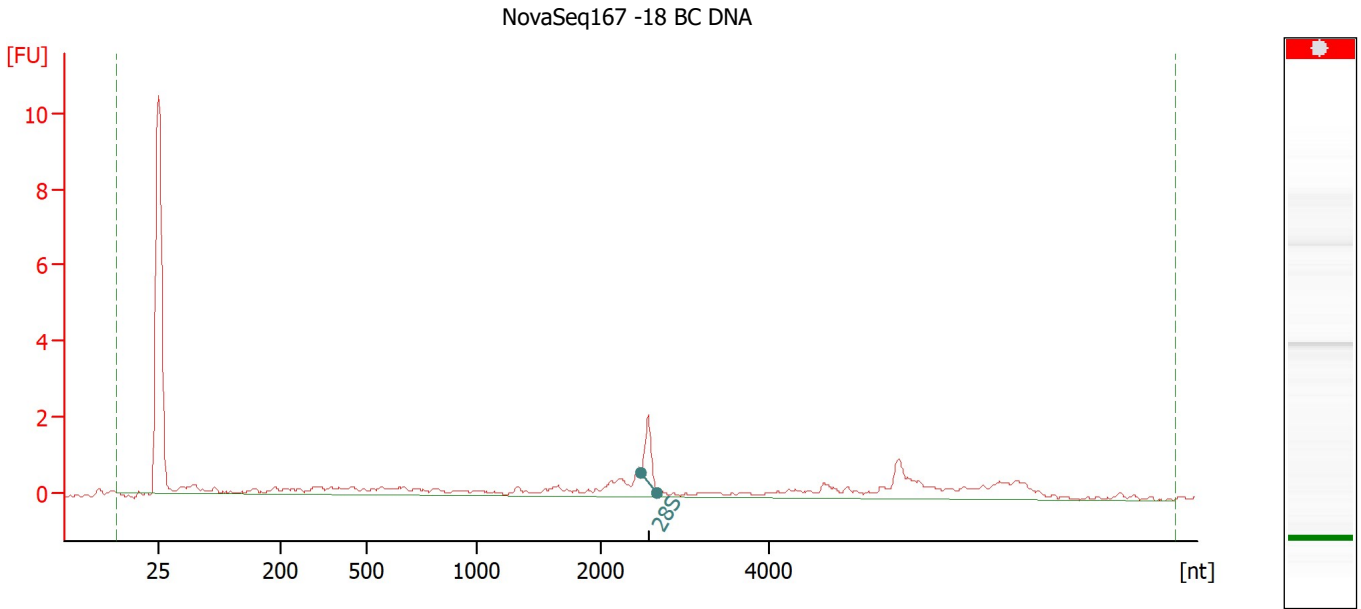
Overall Results for sample 6 : NovaSeq167 -17 BC DNA

RNA Area:	19.6	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	81 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
 Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NovaSeq167 -18 BC DNA

RNA Area:	18.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	75 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : NovaSeq167 -18 BC DNA

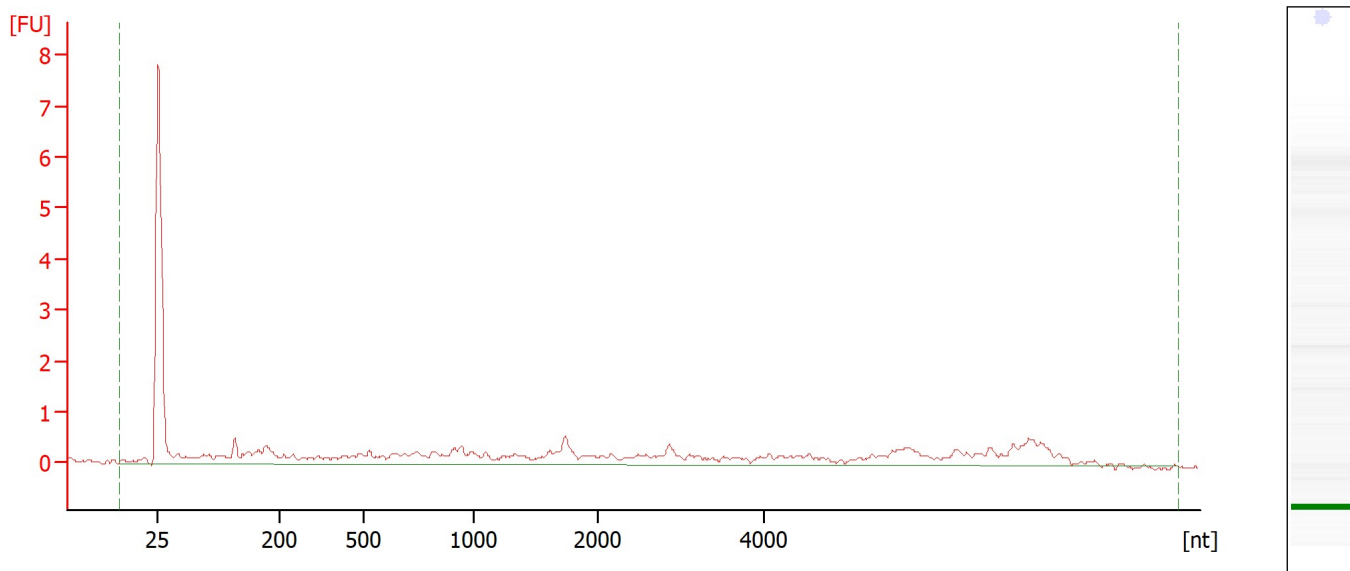
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,485	2,676	1.2	6.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -19 BC DNA



Overall Results for sample 8 : NovaSeq167 -19 BC DNA

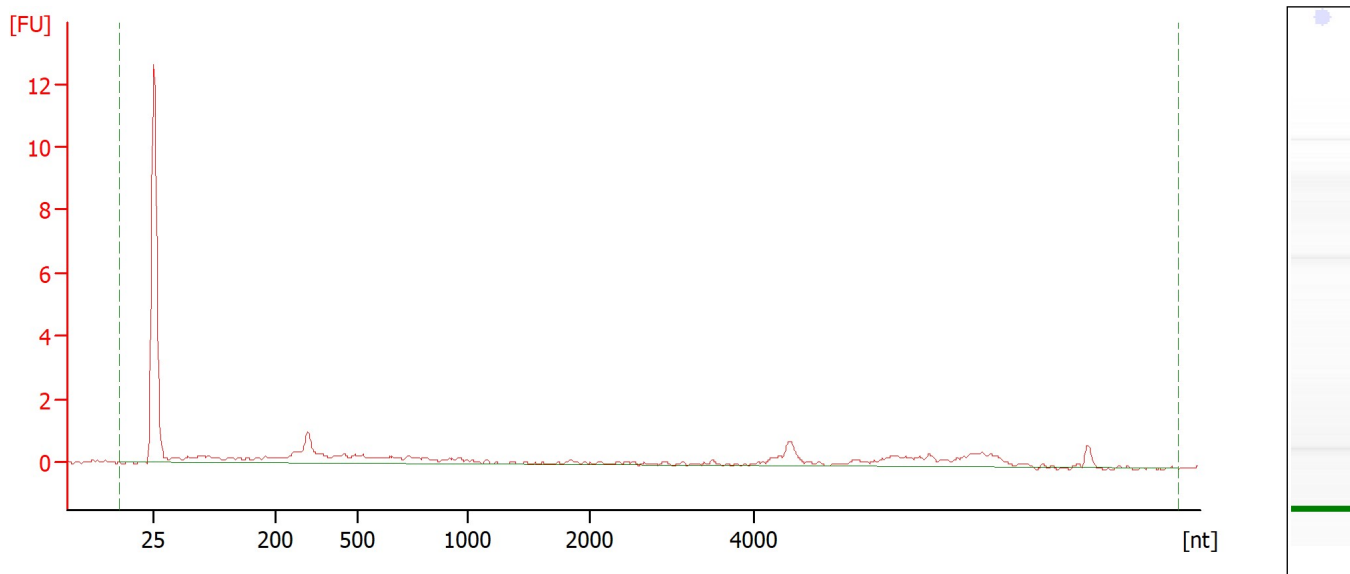
RNA Area:	18.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	78 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -20 BC DNA



Overall Results for sample 9 : NovaSeq167 -20 BC DNA

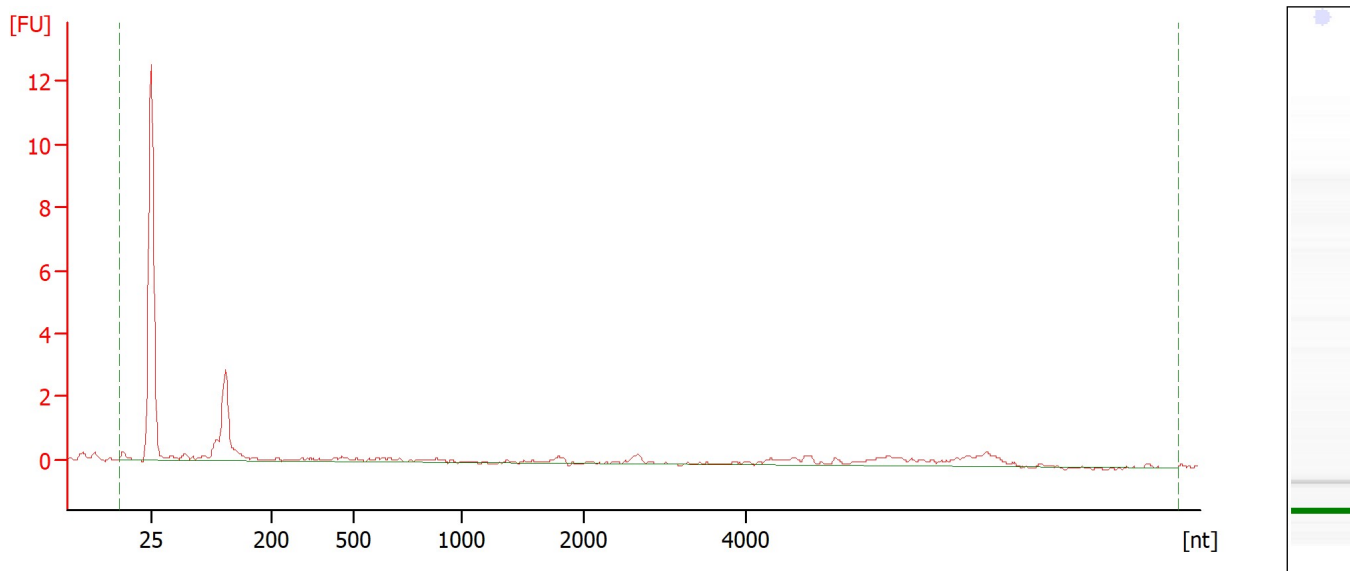
RNA Area:	18.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	78 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 -21 BC DNA



Overall Results for sample 10 : NovaSeq167 -21 BC DNA

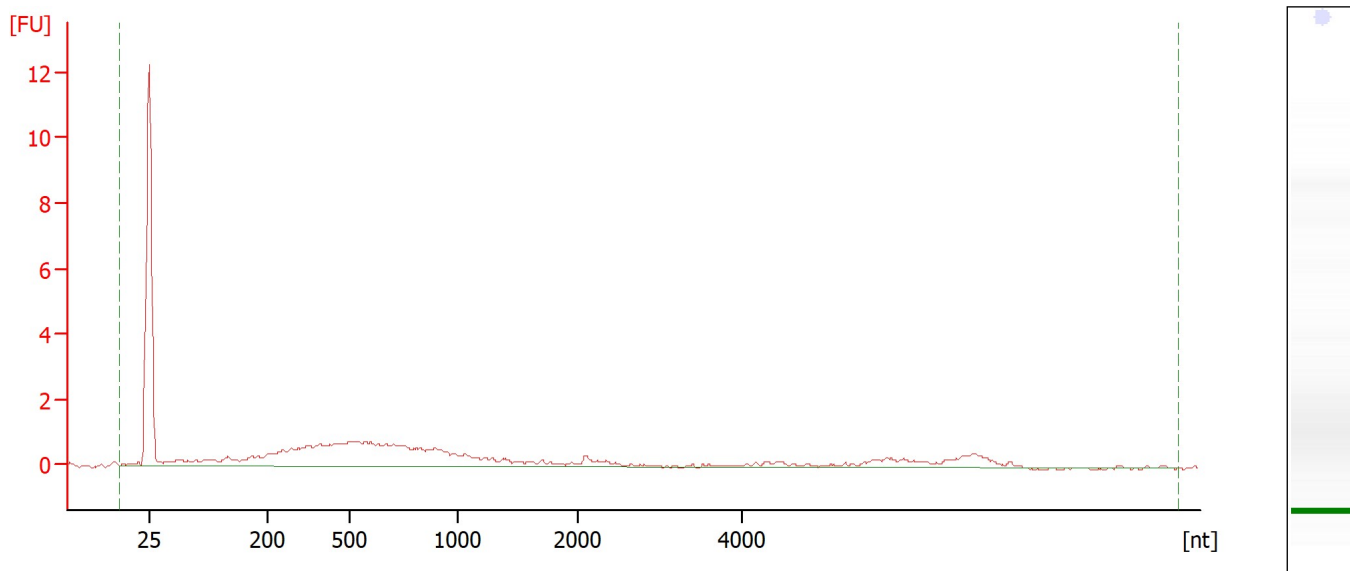
RNA Area:	14.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	62 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
 Modified: 5/25/2020 3:15:24 PM

Electropherogram Summary Continued ...

NovaSeq167 - 22 BC DNA



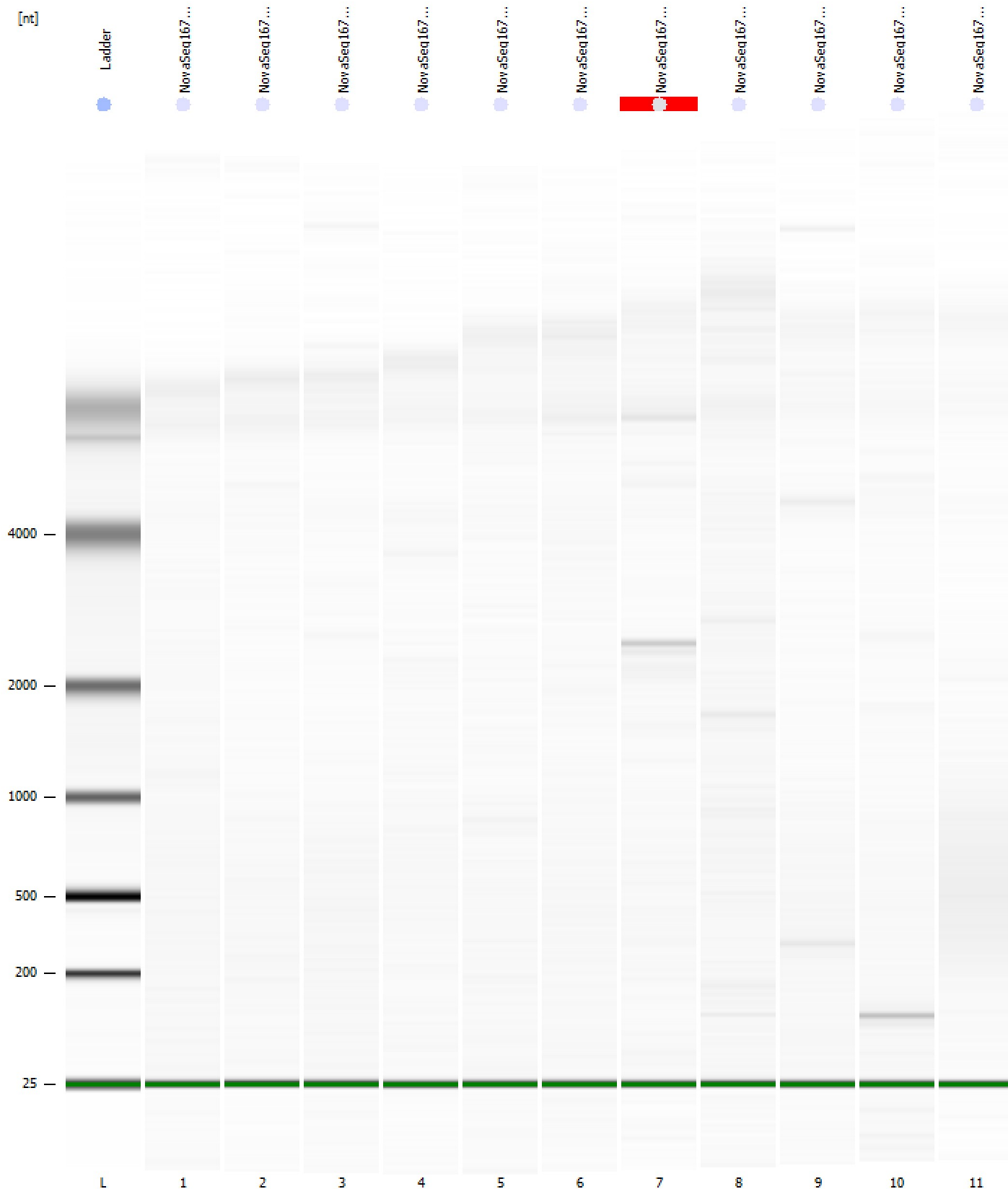
Overall Results for sample 11 : NovaSeq167 - 22 BC DNA

RNA Area:	27.9	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	115 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad

Created: 5/25/2020 2:52:27 PM
Modified: 5/25/2020 3:15:24 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...25\Bioanalyzer1_Eukaryote Total RNA Pico_2020-05-25_001.xad
 Created: 5/25/2020 2:52:27 PM
 Modified: 5/25/2020 3:15:24 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		5/25/2020 3:15:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-05-25\Bioanalyze r1_Eukaryote Total RNA Pico_2020-05-25_001.xad)		Instrument	Run		5/25/2020 2:52:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/25/2020 2:52:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/25/2020 2:52:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/25/2020 2:52:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/25/2020 2:52:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/25/2020 2:52:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/25/2020 2:52:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB