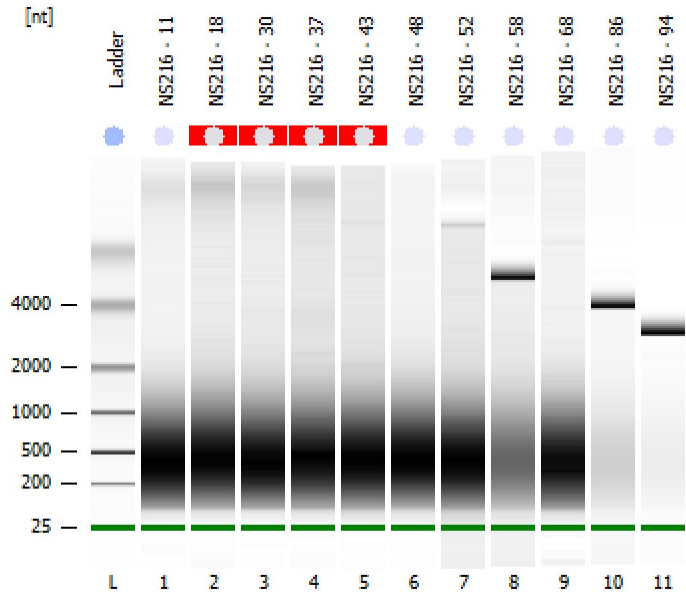


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 PM

Electrophoresis File Run Summary



Instrument Information:

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

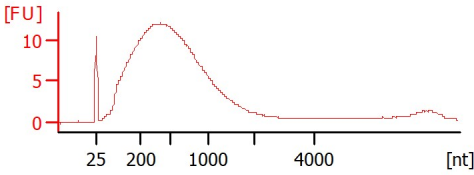
Assay Information:

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.

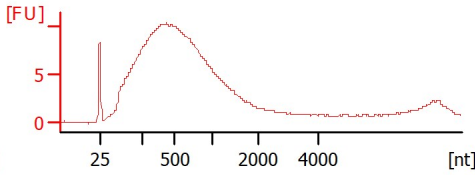
Chip Information:

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

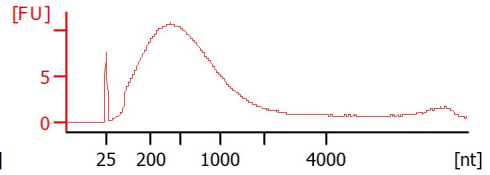
NS216 - 11
 BC DNA
 RIN: 1.90



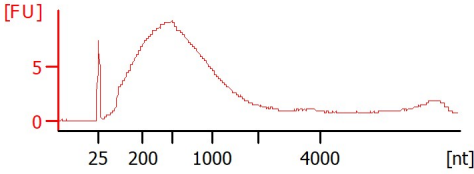
NS216 - 18
 BC DNA
 RIN N/A



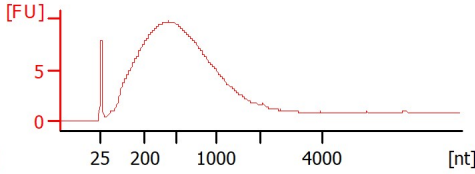
NS216 - 30
 BC DNA
 RIN N/A



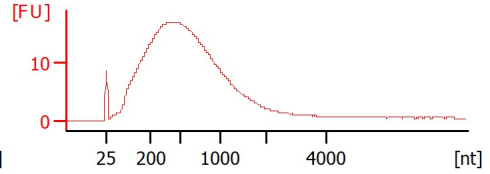
NS216 - 37
 BC DNA
 RIN N/A



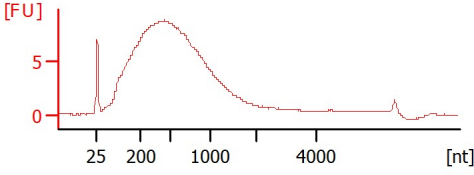
NS216 - 43
 BC DNA
 RIN N/A



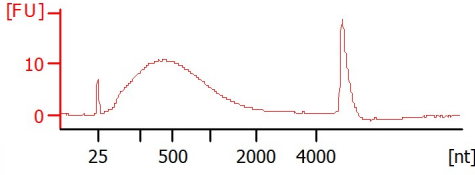
NS216 - 48
 BC DNA
 RIN: 1.70



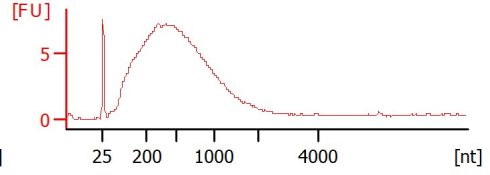
NS216 - 52
 BC DNA
 RIN: 1.90



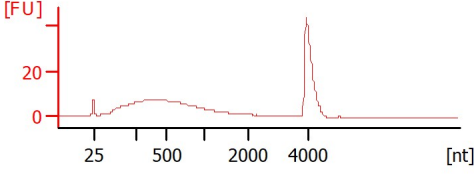
NS216 - 58
 BC DNA
 RIN: 1.80



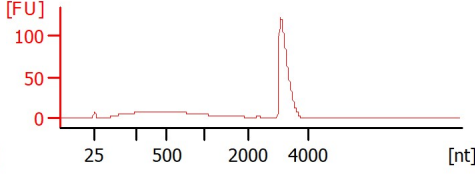
NS216 - 68
 BC DNA
 RIN: 2



NS216 - 86
 BC DNA
 RIN: 2.30



NS216 - 94
 BC DNA
 RIN: 2.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| NS216 - 11 | BC DNA | ✓ | RIN: 1.90 | |
| NS216 - 18 | BC DNA | ✓ | RIN N/A | |
| NS216 - 30 | BC DNA | ✓ | RIN N/A | |
| NS216 - 37 | BC DNA | ✓ | RIN N/A | |
| NS216 - 43 | BC DNA | ✓ | RIN N/A | |
| NS216 - 48 | BC DNA | ✓ | RIN: 1.70 | |
| NS216 - 52 | BC DNA | ✓ | RIN: 1.90 | |
| NS216 - 58 | BC DNA | ✓ | RIN: 1.80 | |
| NS216 - 68 | BC DNA | ✓ | RIN:2 | |
| NS216 - 86 | BC DNA | ✓ | RIN: 2.30 | |
| NS216 - 94 | BC DNA | ✓ | RIN: 2.40 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 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

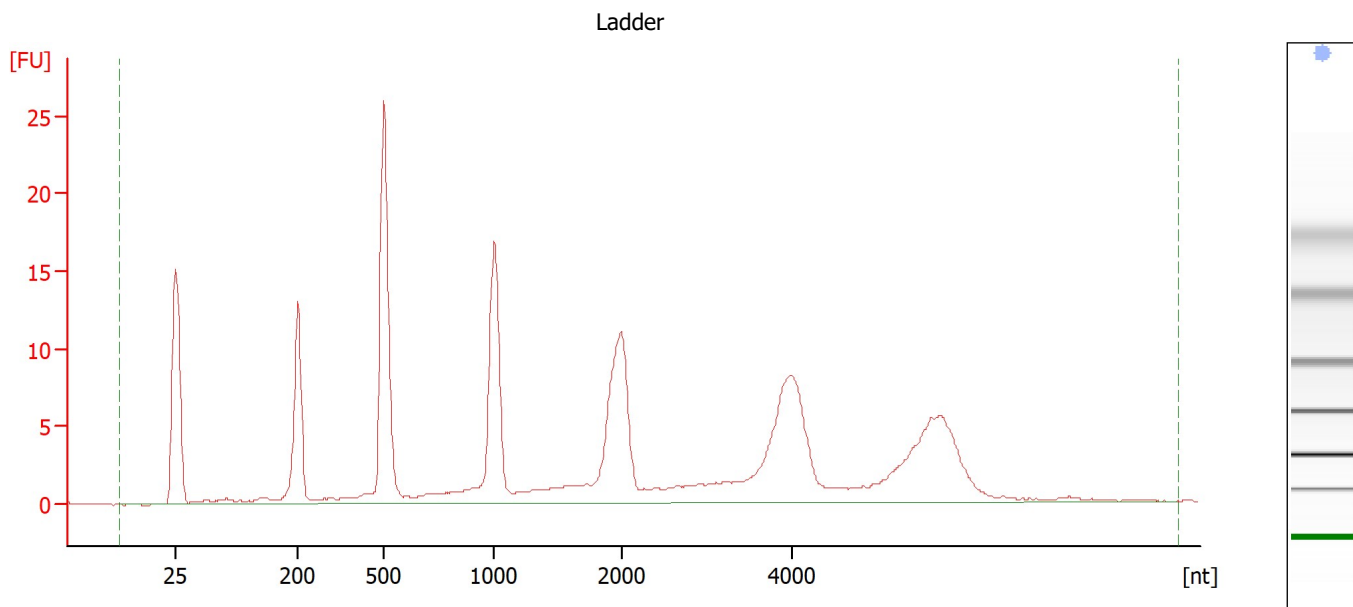
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary



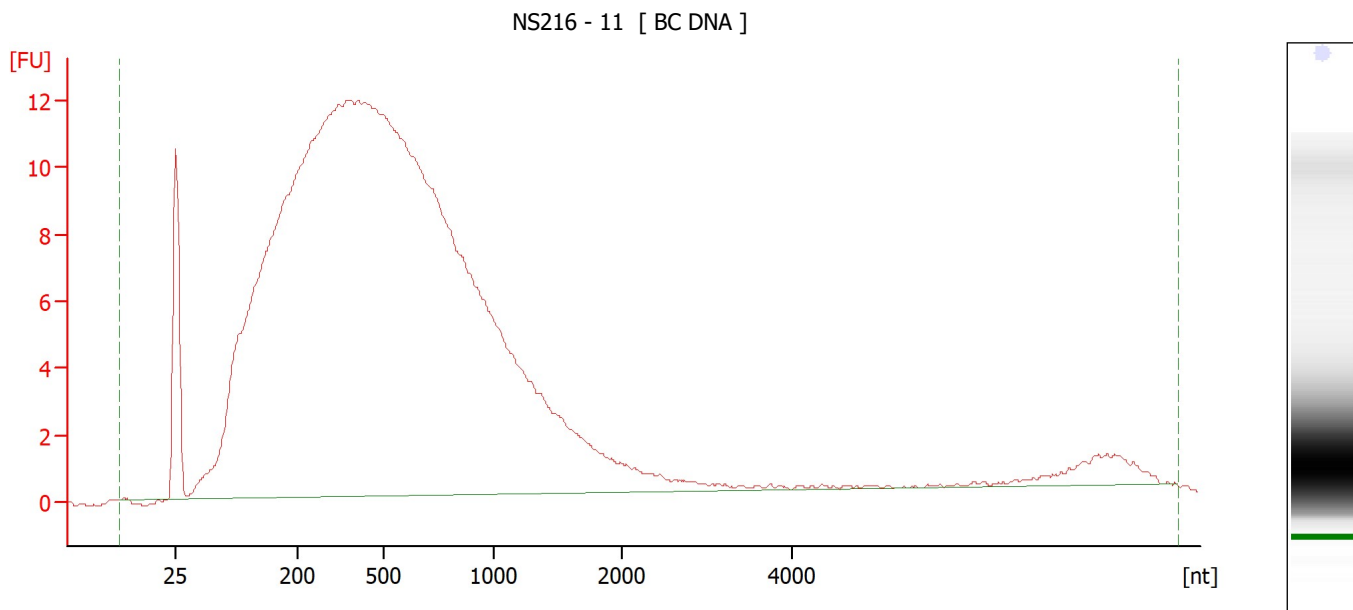
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|---|
| RNA Area: | 204.3 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



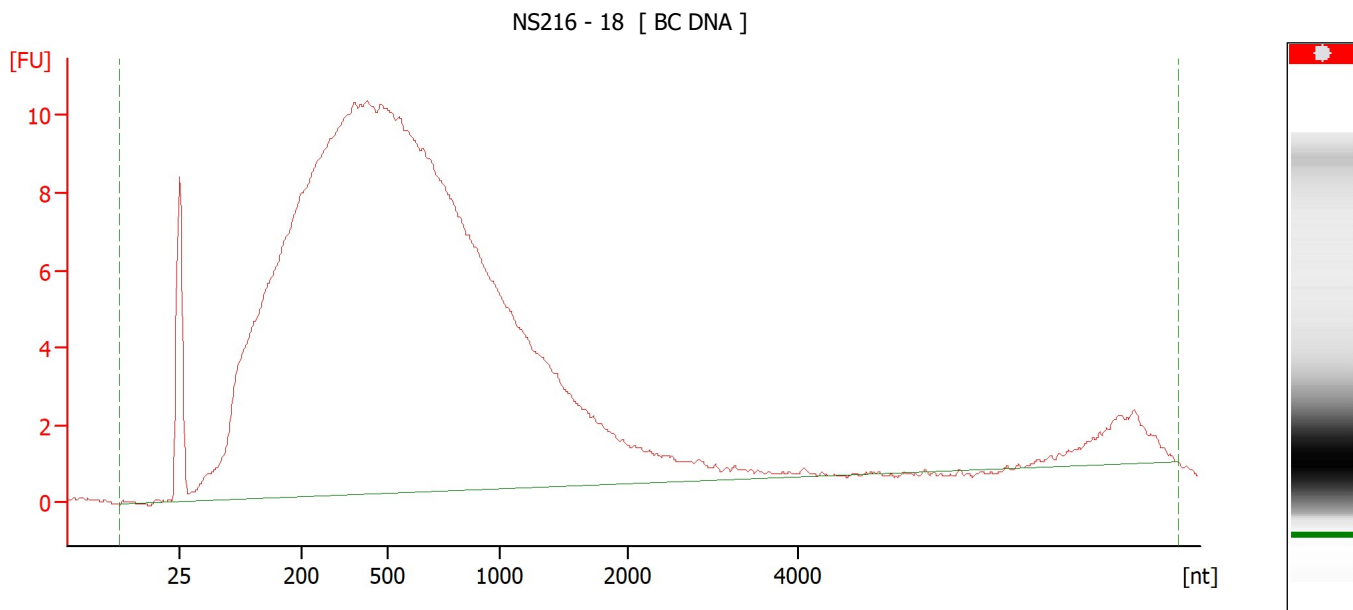
Overall Results for sample 1 : NS216 - 11

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 423.2 | RNA Integrity Number (RIN): | 1.9 (B.02.10) |
| RNA Concentration: | 2,071 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:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



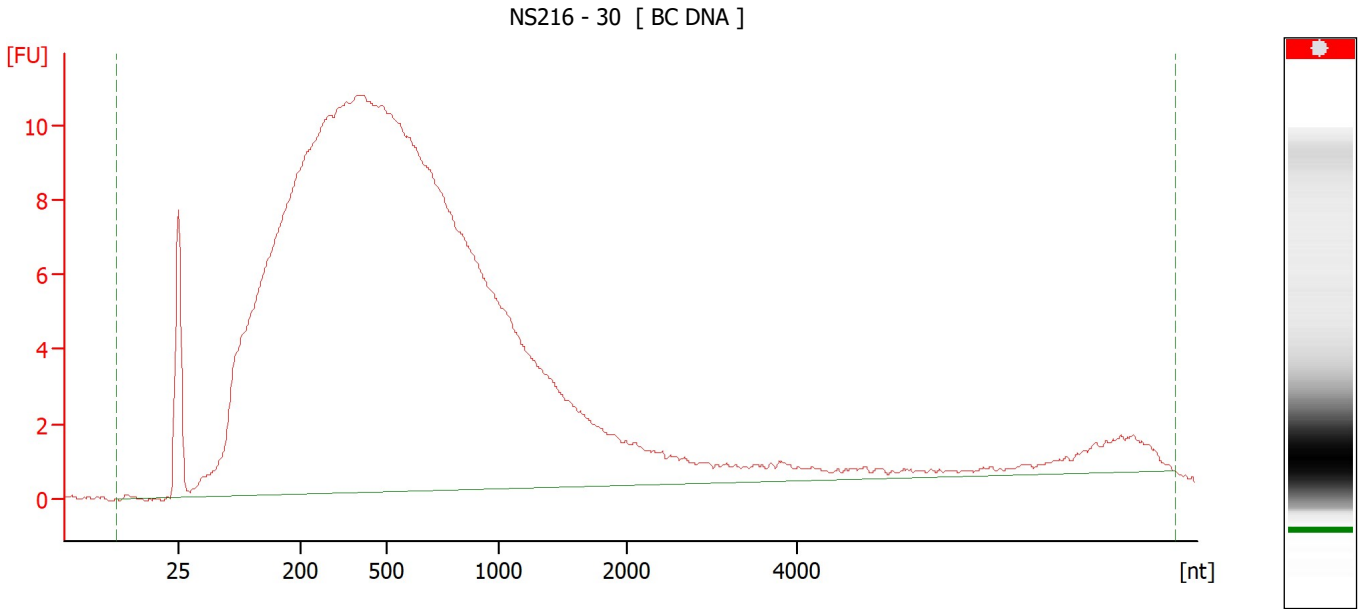
Overall Results for sample 2 : NS216 - 18

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 373.2 | RNA Integrity Number (RIN): | N/A (B.02.10) |
| RNA Concentration: | 1,826 pg/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:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



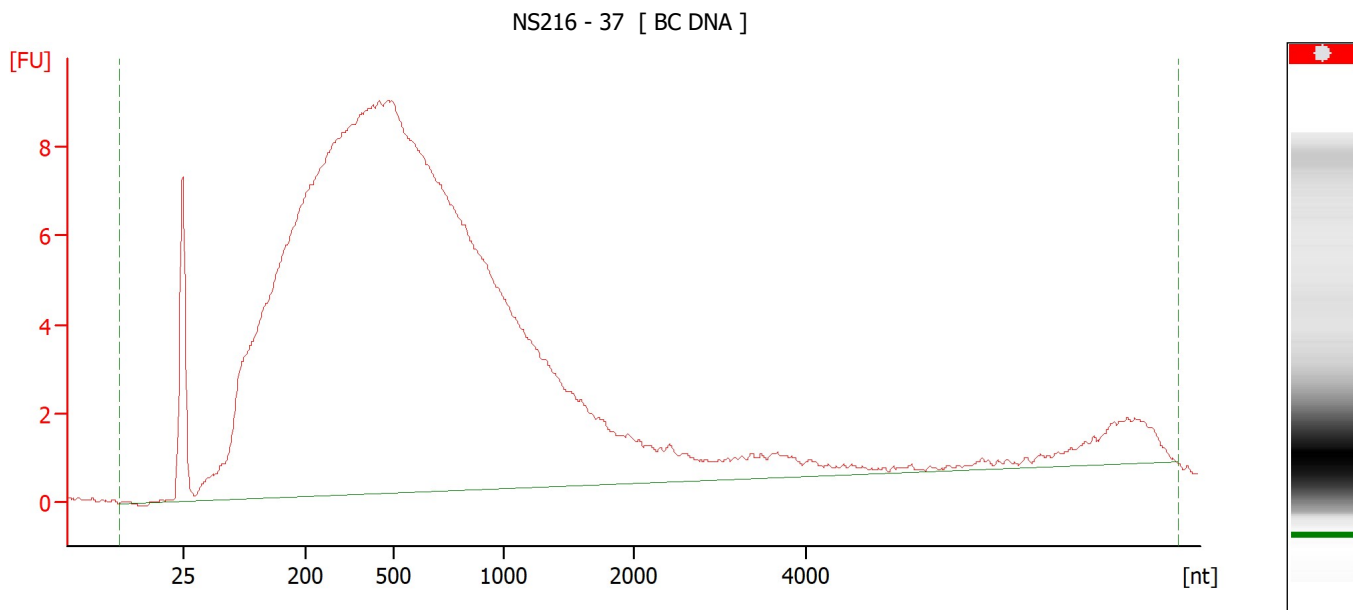
Overall Results for sample 3 : NS216 - 30

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 395.0 | RNA Integrity Number (RIN): | N/A (B.02.10) |
| RNA Concentration: | 1,933 pg/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:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



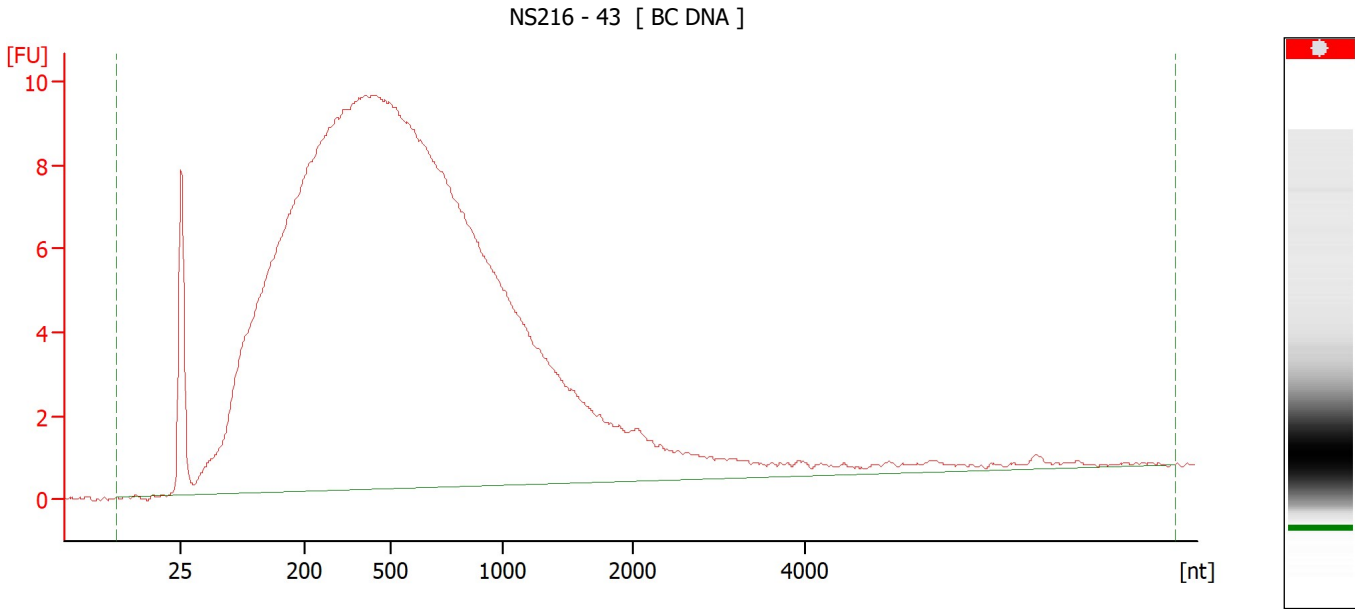
Overall Results for sample 4 : NS216 - 37

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 326.3 | RNA Integrity Number (RIN): | N/A (B.02.10) |
| RNA Concentration: | 1,597 pg/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:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



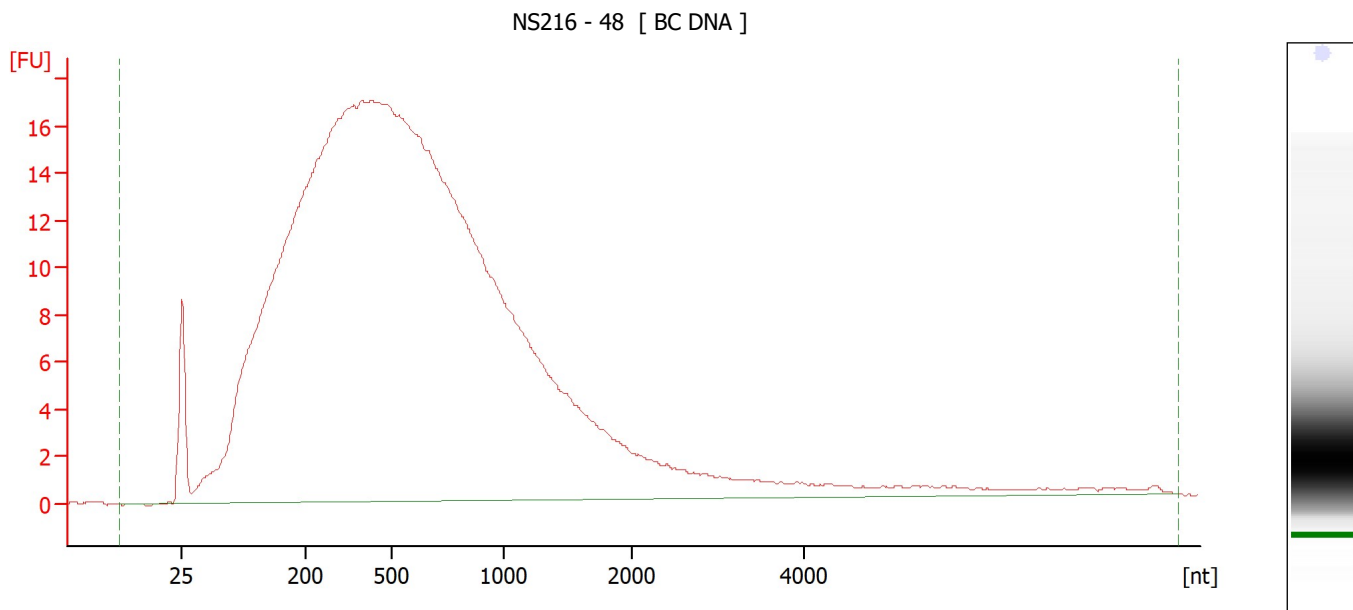
Overall Results for sample 5 : NS216 - 43

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 353.9 | RNA Integrity Number (RIN): | N/A (B.02.10) |
| RNA Concentration: | 1,732 pg/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:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



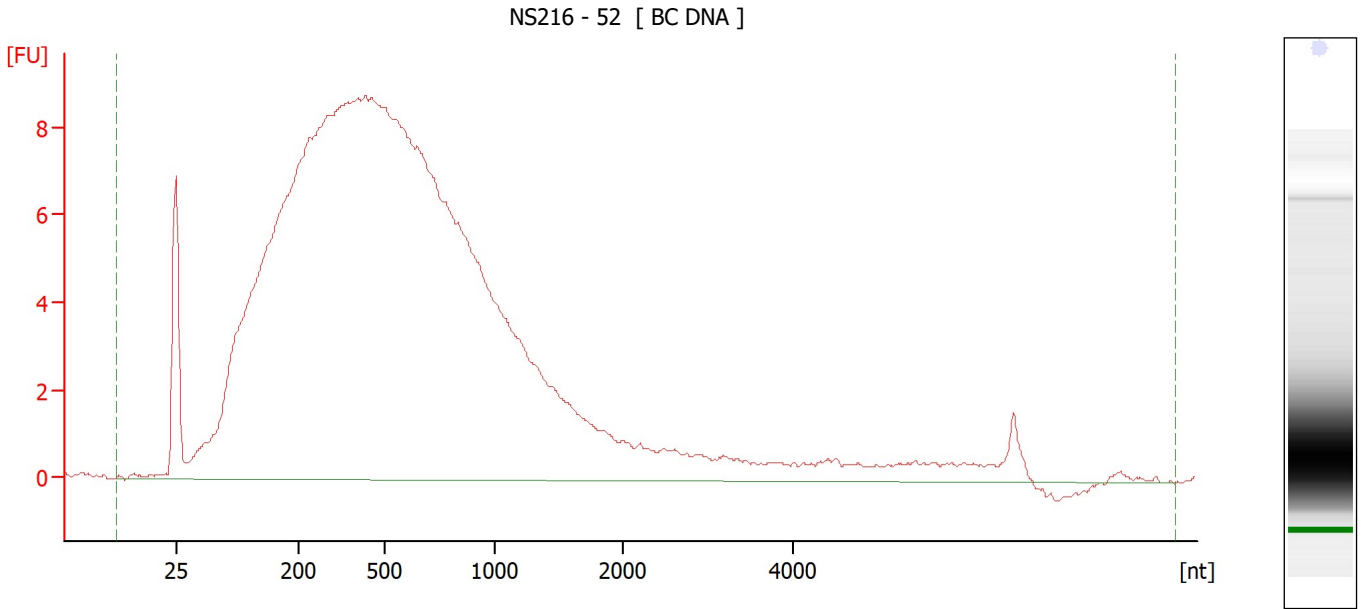
Overall Results for sample 6 : NS216 - 48

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 635.0 | RNA Integrity Number (RIN): | 1.7 (B.02.10) |
| RNA Concentration: | 3,107 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.70 |

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



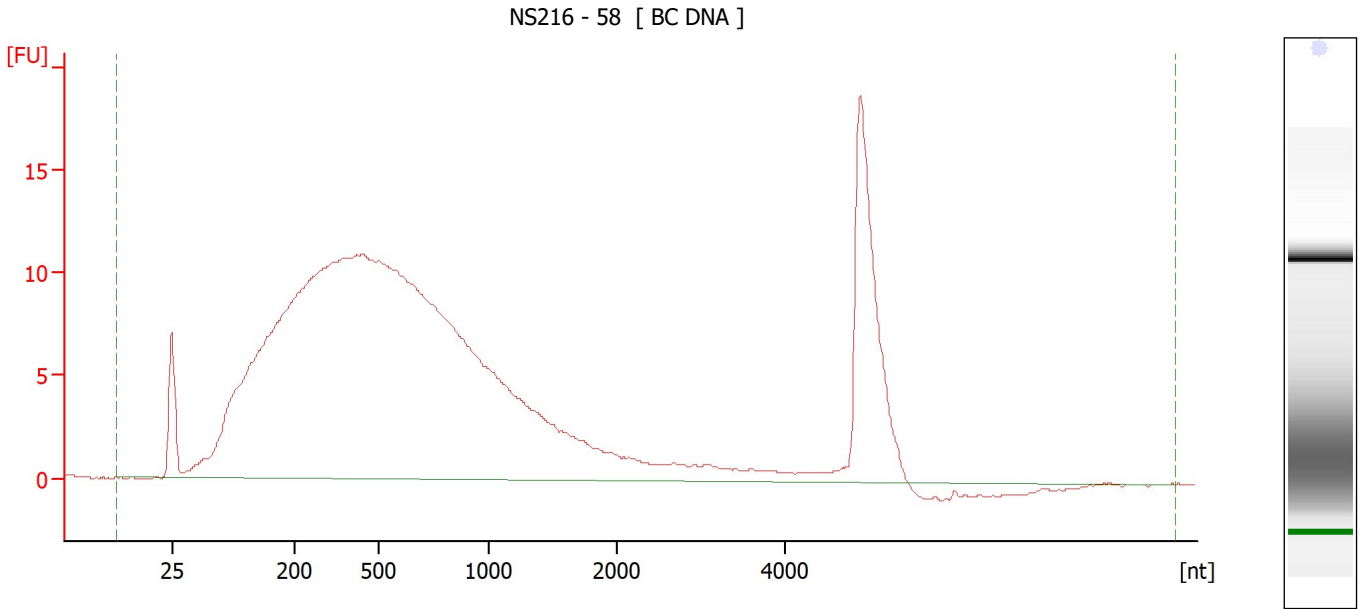
Overall Results for sample 7 : NS216 - 52

| | | | |
|-------------------------|-------------------|-----------------------------|---|
| RNA Area: | 333.1 | RNA Integrity Number (RIN): | 1.9 (B.02.10) |
| RNA Concentration: | 1,630 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:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



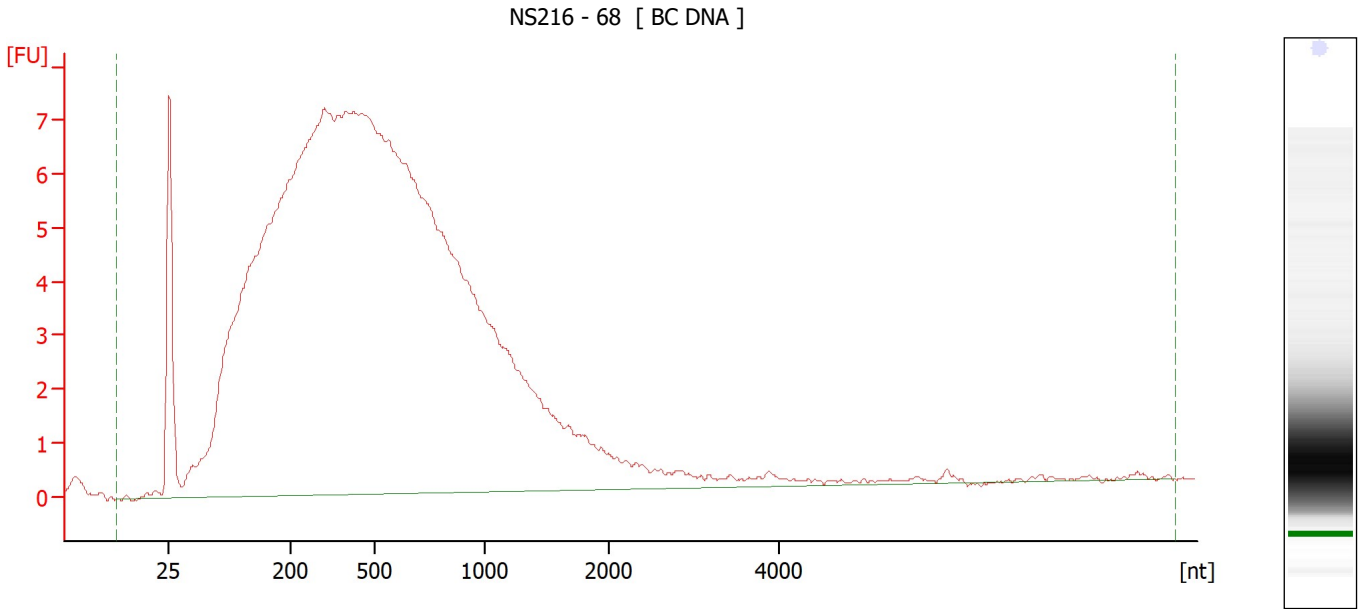
Overall Results for sample 8 : NS216 - 58

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 445.3 | RNA Integrity Number (RIN): | 1.8 (B.02.10) |
| RNA Concentration: | 2,179 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 1.80 |

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



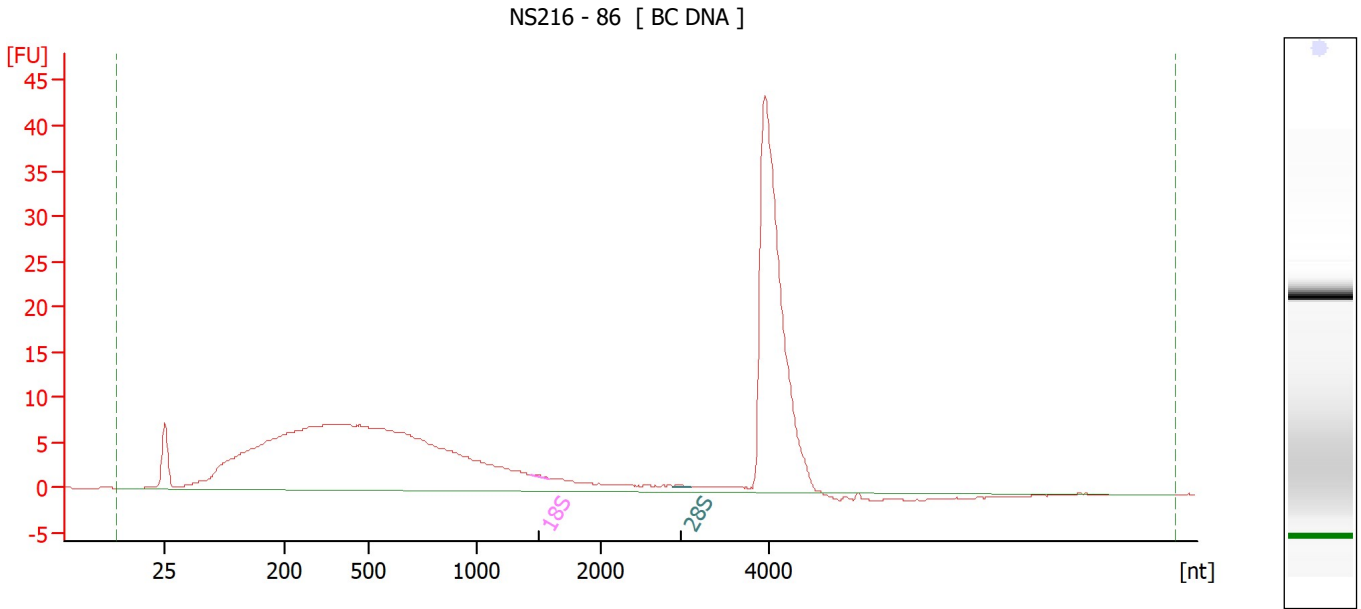
Overall Results for sample 9 : NS216 - 68

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 265.8 | RNA Integrity Number (RIN): | 2 (B.02.10) |
| RNA Concentration: | 1,301 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN:2 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : NS216 - 86

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 366.8 | RNA Integrity Number (RIN): | 2.3 (B.02.10) |
| RNA Concentration: | 1,795 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.9 | Result Flagging Label: | RIN: 2.30 |

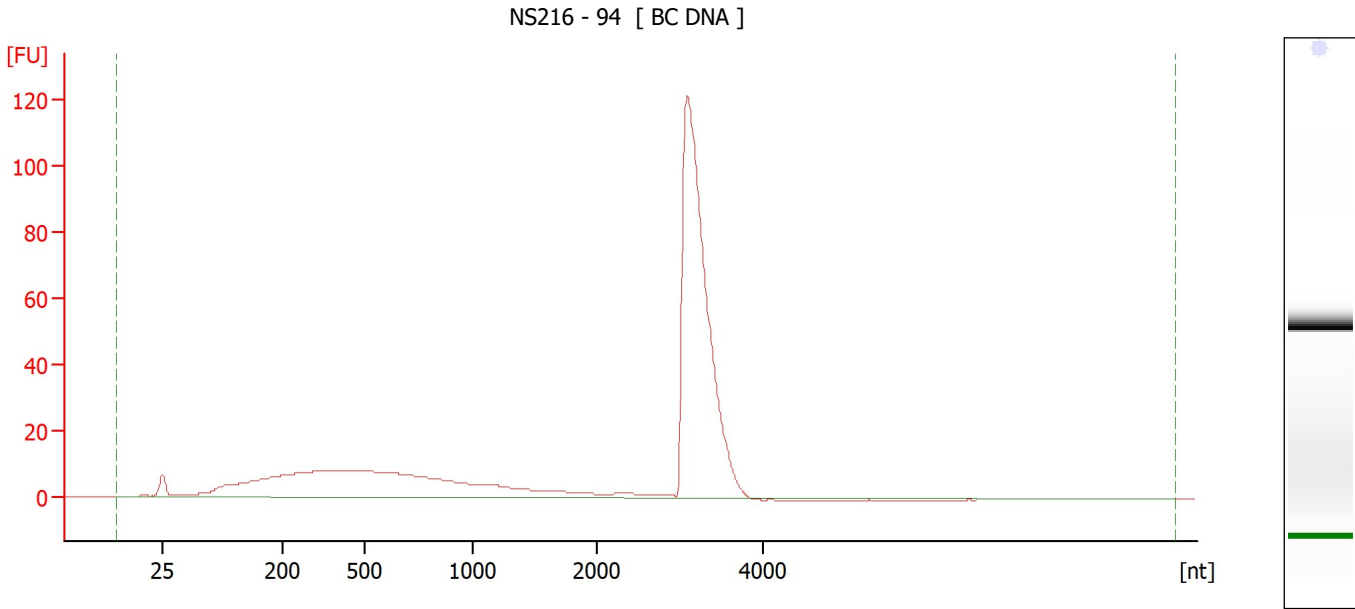
Fragment table for sample 10 : NS216 - 86

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,431 | 1,576 | 0.1 | 0.0 |
| 28S | 2,864 | 3,069 | 0.1 | 0.0 |

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Electropherogram Summary Continued ...



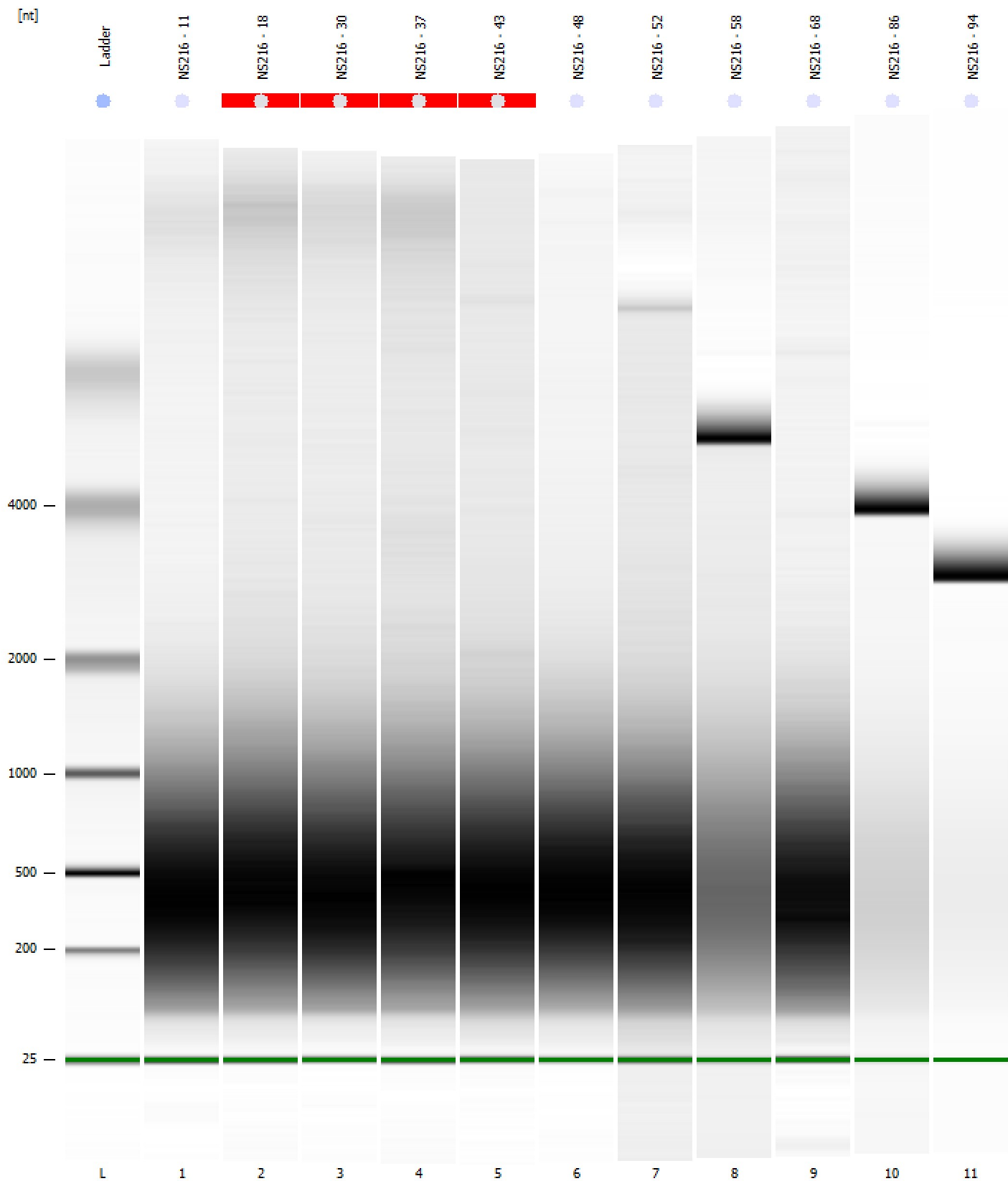
Overall Results for sample 11 : NS216 - 94

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 634.8 | RNA Integrity Number (RIN): | 2.4 (B.02.10) |
| RNA Concentration: | 3,107 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.40 |

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
Modified: 9/29/2020 12:18:32 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-29_001.xad

Created: 9/29/2020 11:55:32 AM
 Modified: 9/29/2020 12:18:32 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 | | 9/29/2020 12:18:28 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Run started on port 1 (File: Z:\XADs\2020-09-29\Bioanalyze r1_Eukaryote Total RNA Pico_2020-09-29_001.xad) | | Instrument | Run | | 9/29/2020 11:55:38 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C | | Instrument | Run | | 9/29/2020 11:55:38 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name : | | Instrument | Run | | 9/29/2020 11:55:38 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies | | Instrument | Run | | 9/29/2020 11:55:38 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152 | | Instrument | Run | | 9/29/2020 11:55:38 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069 | | Instrument | Run | | 9/29/2020 11:55:38 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode | | Instrument | Run | | 9/29/2020 11:55:38 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |