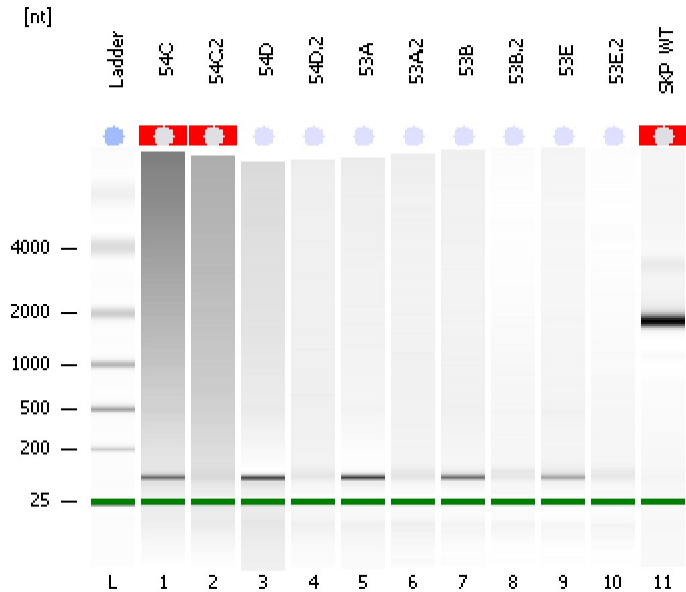


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electrophoresis File Run Summary**



Instrument Information:

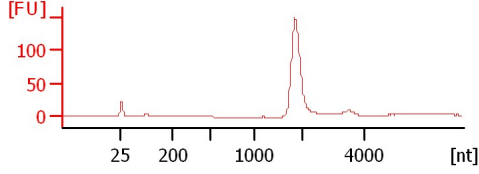
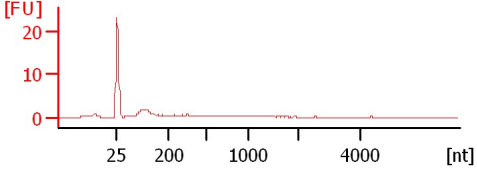
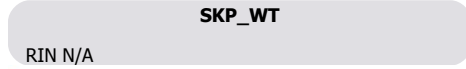
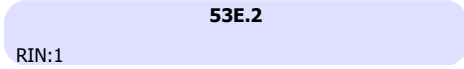
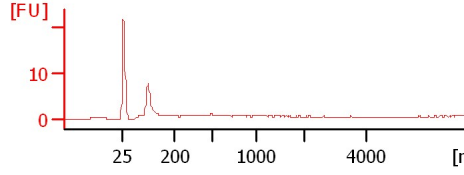
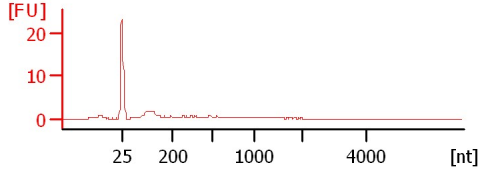
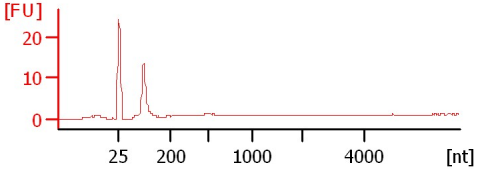
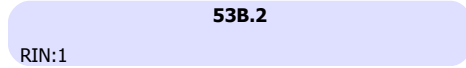
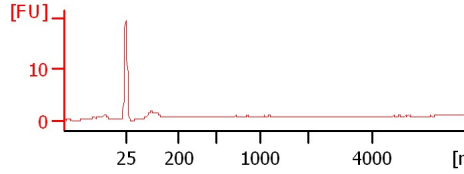
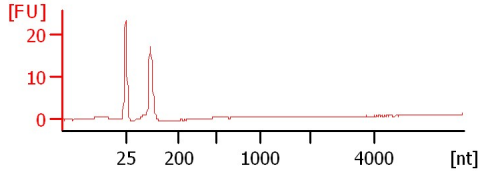
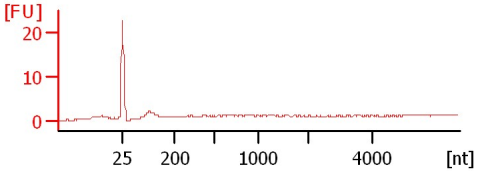
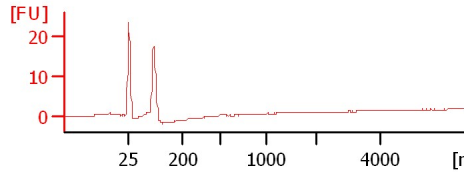
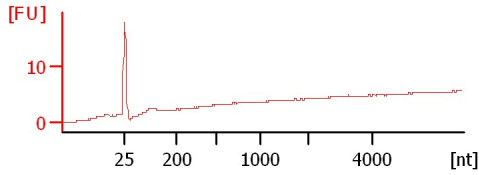
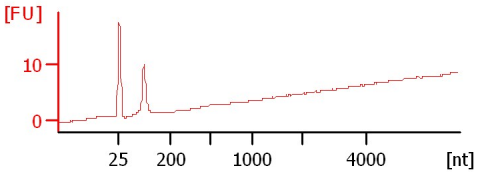
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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:



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name | Sample Comment | Status | Result Label      | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| 54C         |                | ✓      | RIN N/A           |              |
| 54C.2       |                | ✓      | RIN N/A           |              |
| 54D         |                | ✓      | RIN: 2.70         |              |
| 54D.2       |                | ✓      | RIN:1             |              |
| 53A         |                | ✓      | RIN: 2.60         |              |
| 53A.2       |                | ✓      | RIN:1             |              |
| 53B         |                | ✓      | RIN: 2.40         |              |
| 53B.2       |                | ✓      | RIN:1             |              |
| 53E         |                | ✓      | RIN: 2.40         |              |
| 53E.2       |                | ✓      | RIN:1             |              |
| SKP_WT      |                | ✓      | RIN N/A           |              |
| Ladder      |                | ✓      | All Other Samples |              |

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

## 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ l] : 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

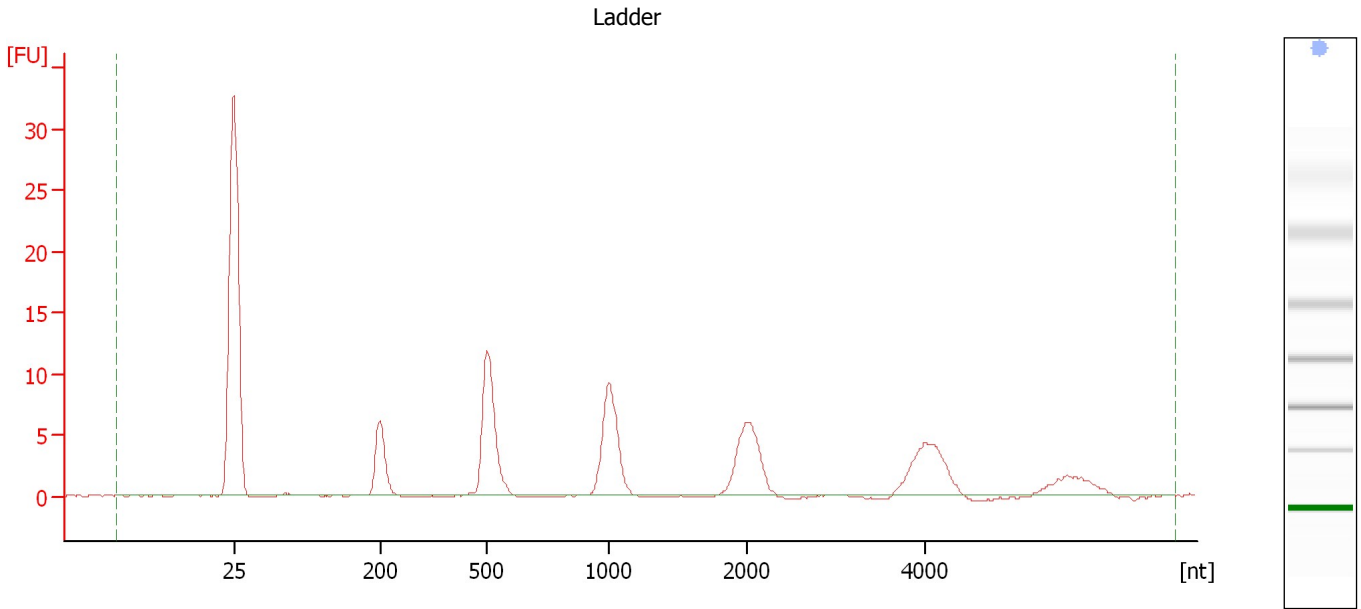
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary**



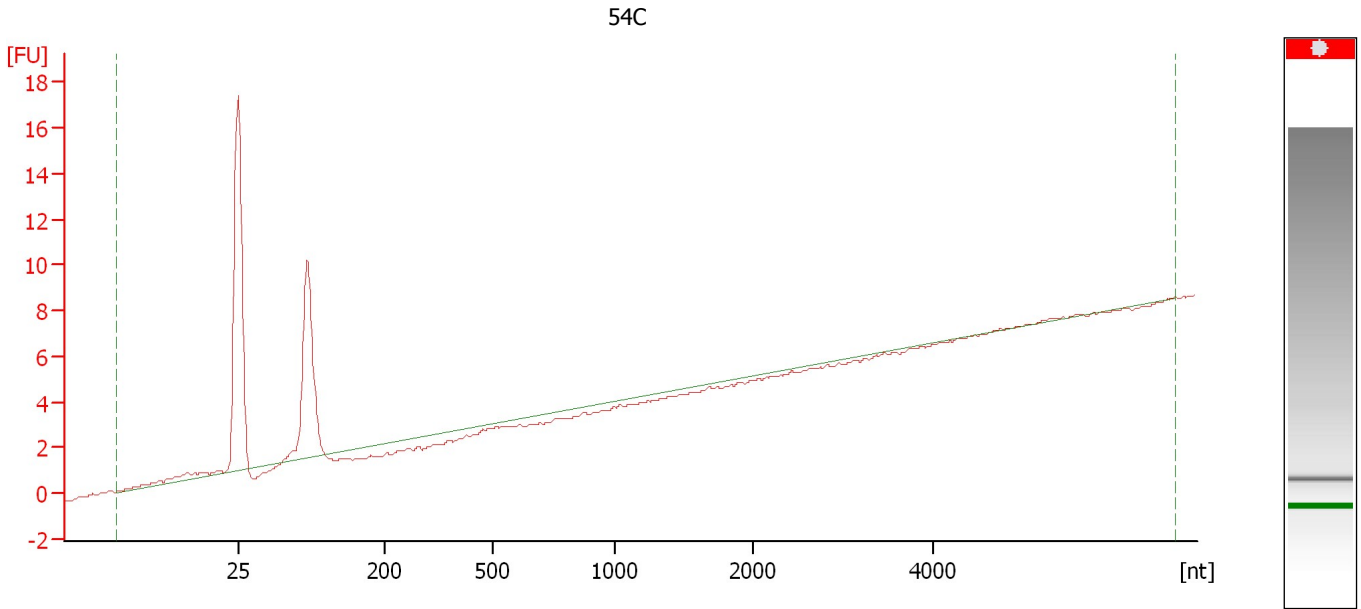
**Overall Results for Ladder**

|                    |             |                        |   |
|--------------------|-------------|------------------------|---|
| RNA Area:          | 85.8        | Result Flagging Color: | <span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



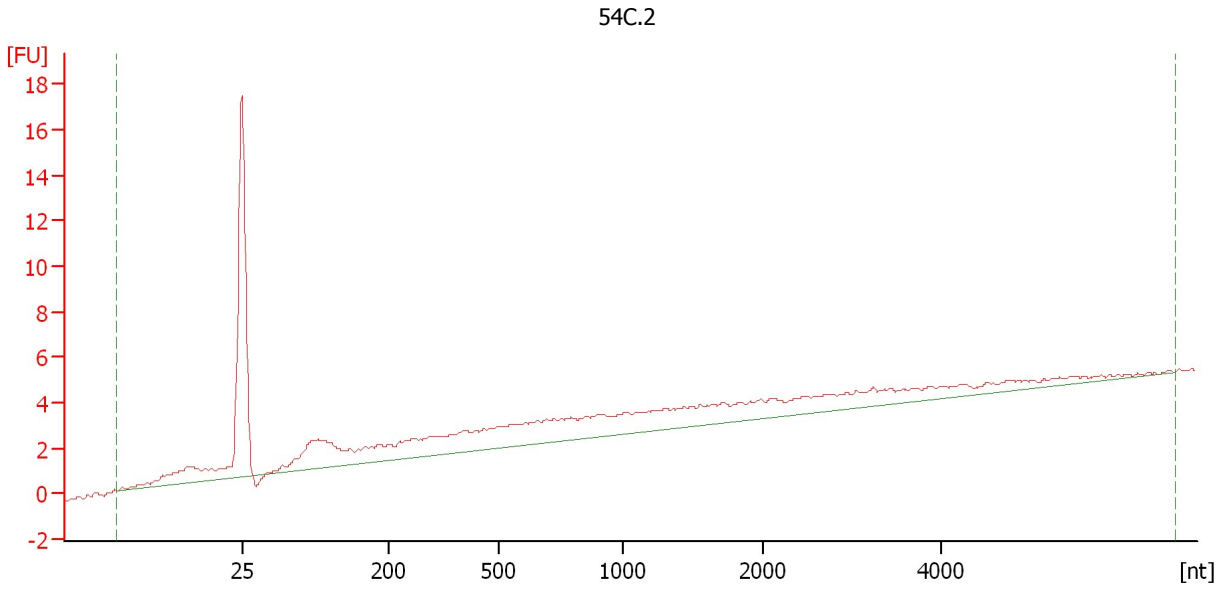
**Overall Results for sample 1 : 54C**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 20.0      | RNA Integrity Number (RIN): | N/A (B.02.08)   |
| RNA Concentration:      | 233 pg/μl | Result Flagging Color:      | <span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN N/A   |


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



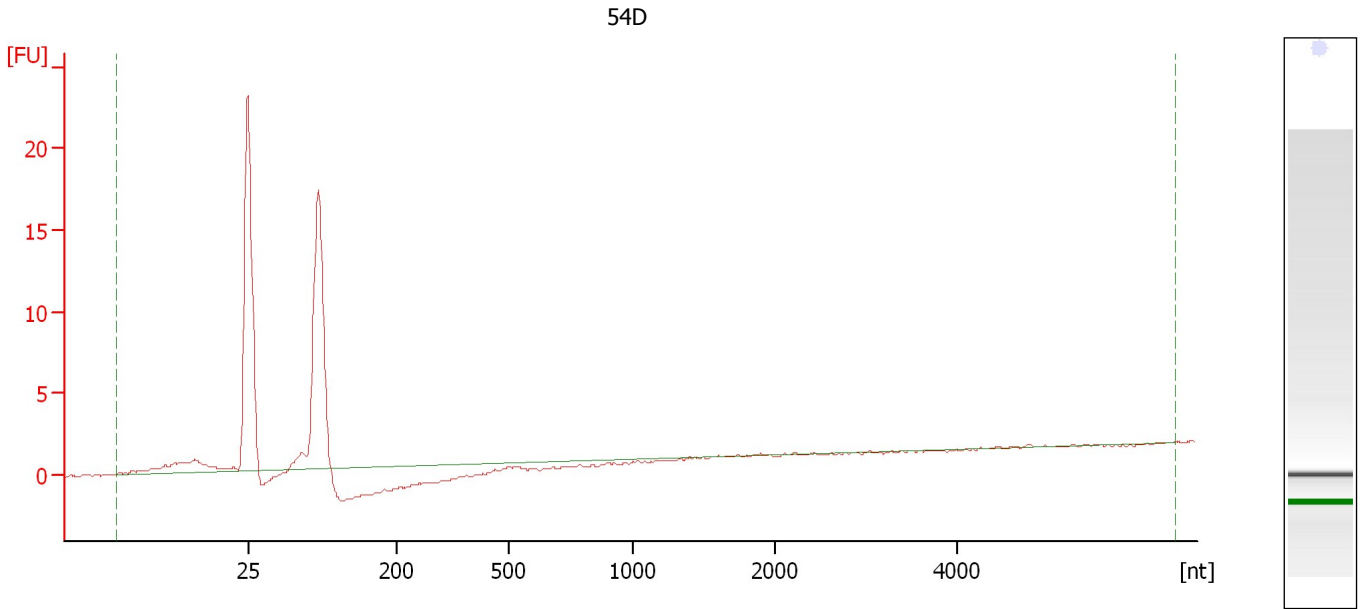
**Overall Results for sample 2 : 54C.2**

|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 73.5      | RNA Integrity Number (RIN): | N/A (B.02.08)  |
| RNA Concentration:      | 856 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: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



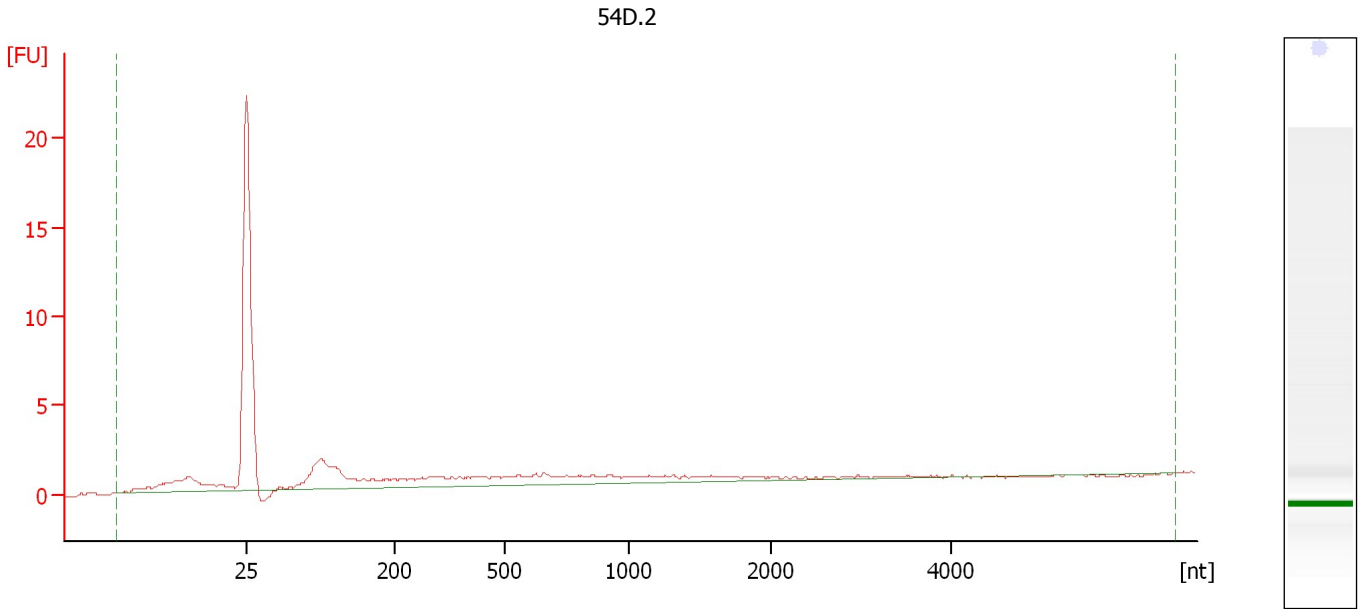
**Overall Results for sample 3 : 54D**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 40.8      | RNA Integrity Number (RIN): | 2.7 (B.02.08)   |
| RNA Concentration:      | 476 µg/µl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN: 2.70   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 54D.2**

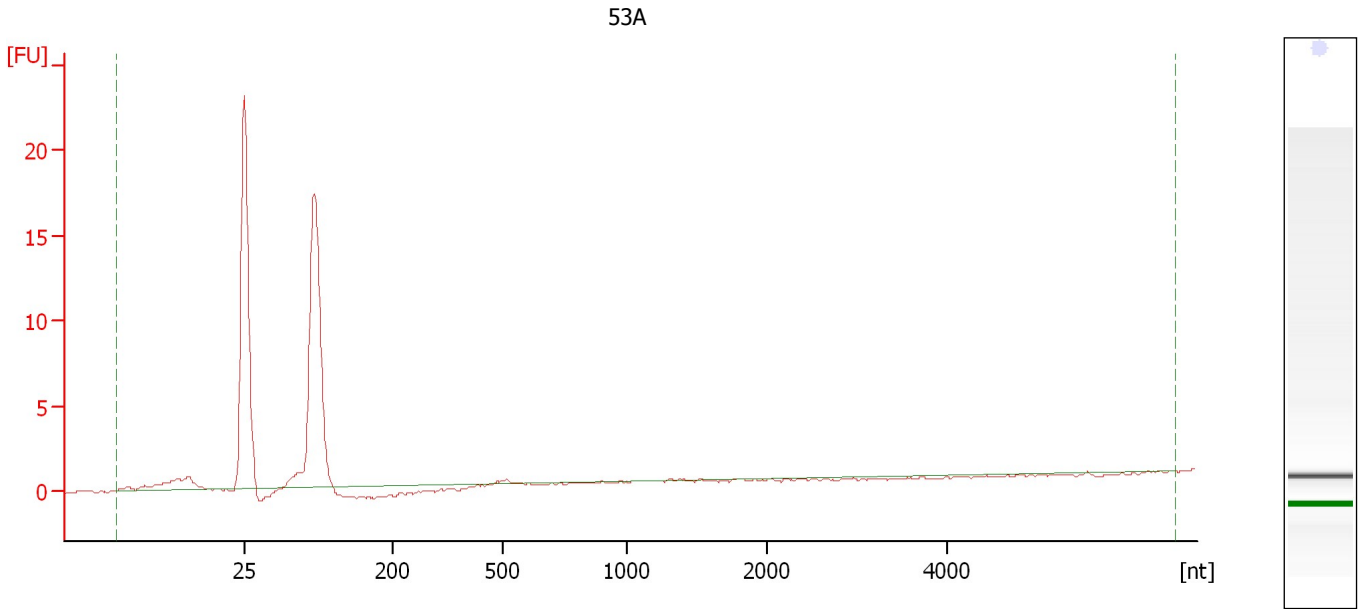
|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 42.0      | RNA Integrity Number (RIN): | 1 (B.02.08)   |
| RNA Concentration:      | 489 pg/μl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN:1   |



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



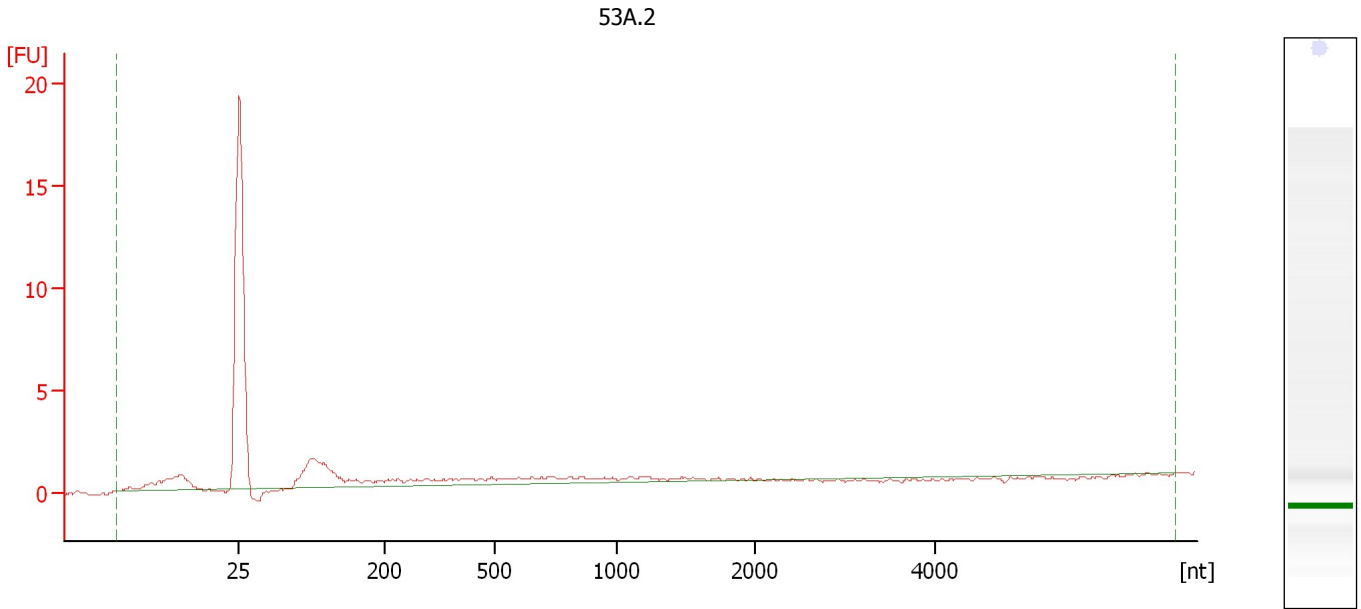
**Overall Results for sample 5 : 53A**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 42.9      | RNA Integrity Number (RIN): | 2.6 (B.02.08)   |
| RNA Concentration:      | 500 pg/μl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN: 2.60   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



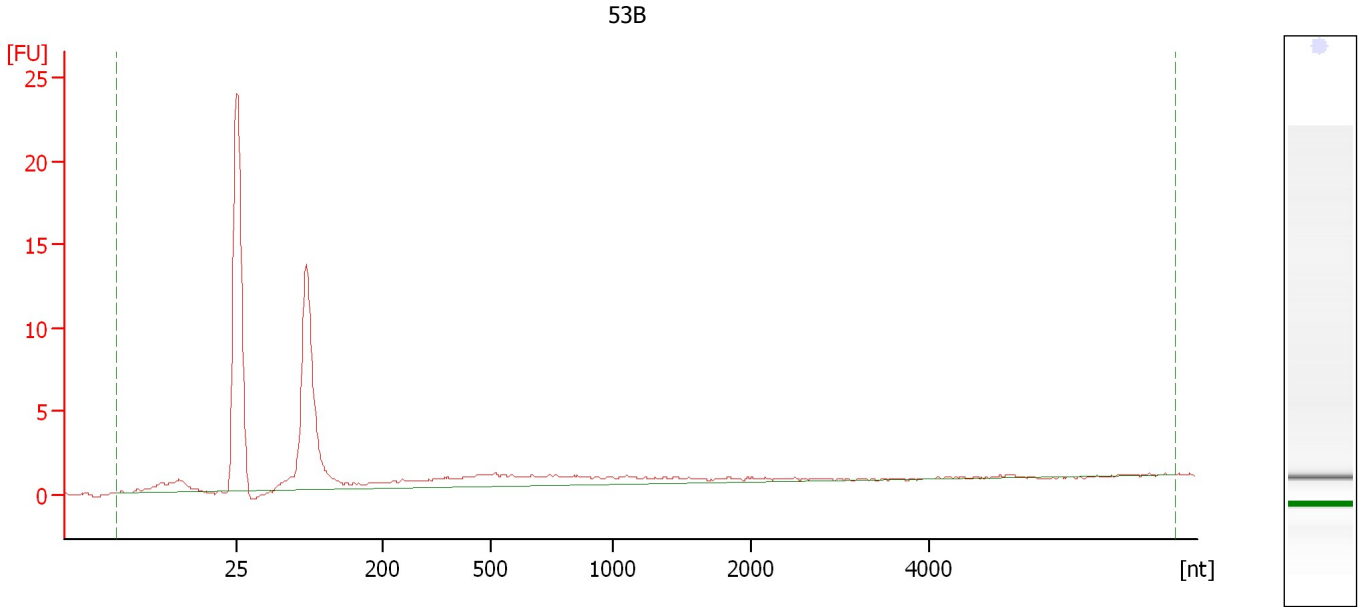
**Overall Results for sample 6 : 53A.2**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 24.9      | RNA Integrity Number (RIN): | 1 (B.02.08)   |
| RNA Concentration:      | 290 pg/μl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN:1   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



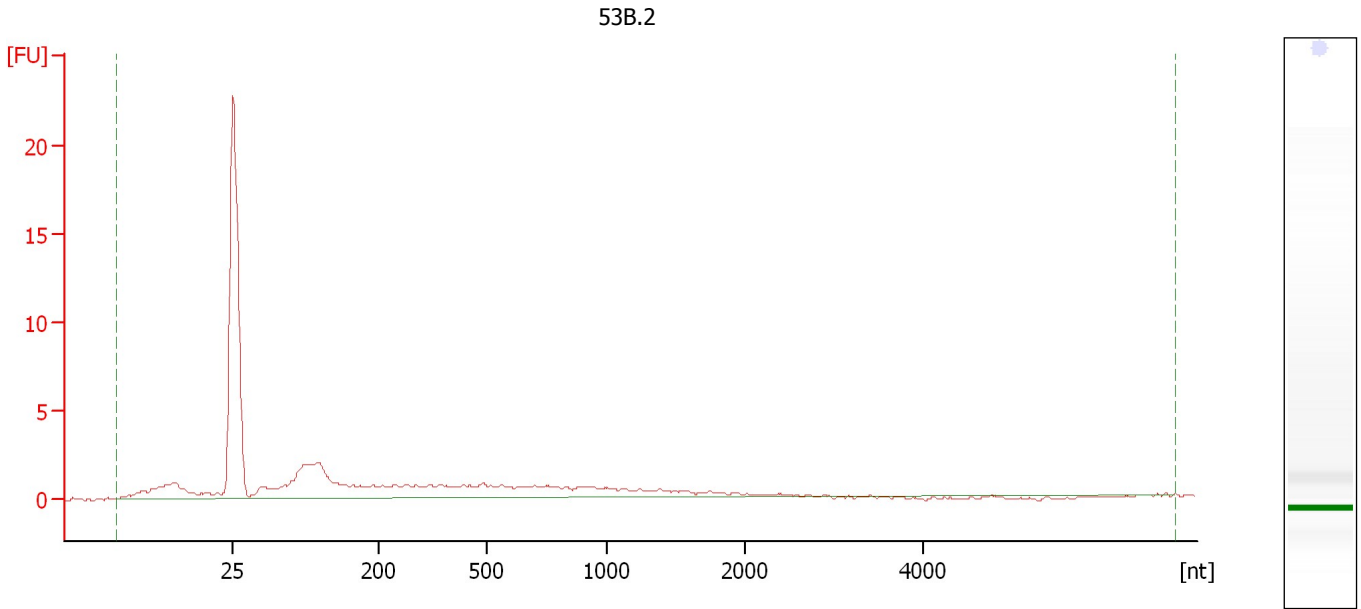
**Overall Results for sample 7 : 53B**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 62.0      | RNA Integrity Number (RIN): | 2.4 (B.02.08)   |
| RNA Concentration:      | 722 pg/μl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN: 2.40   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



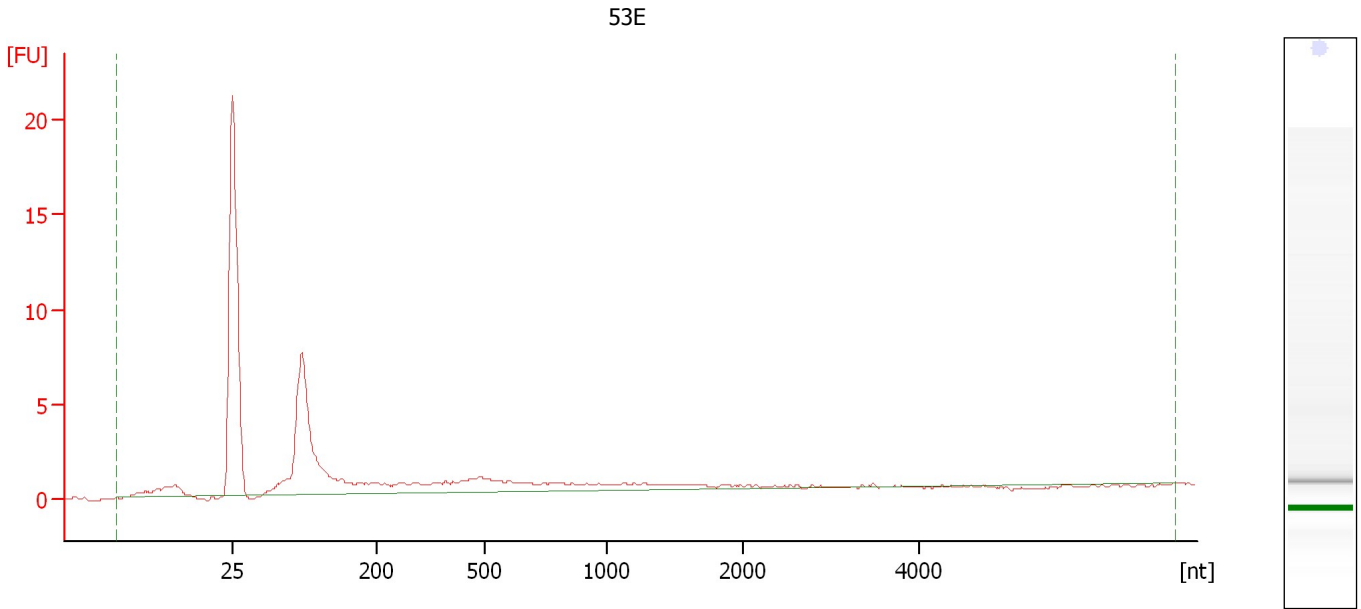
**Overall Results for sample 8 : 53B.2**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 47.4      | RNA Integrity Number (RIN): | 1 (B.02.08)   |
| RNA Concentration:      | 553 pg/μl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN:1   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



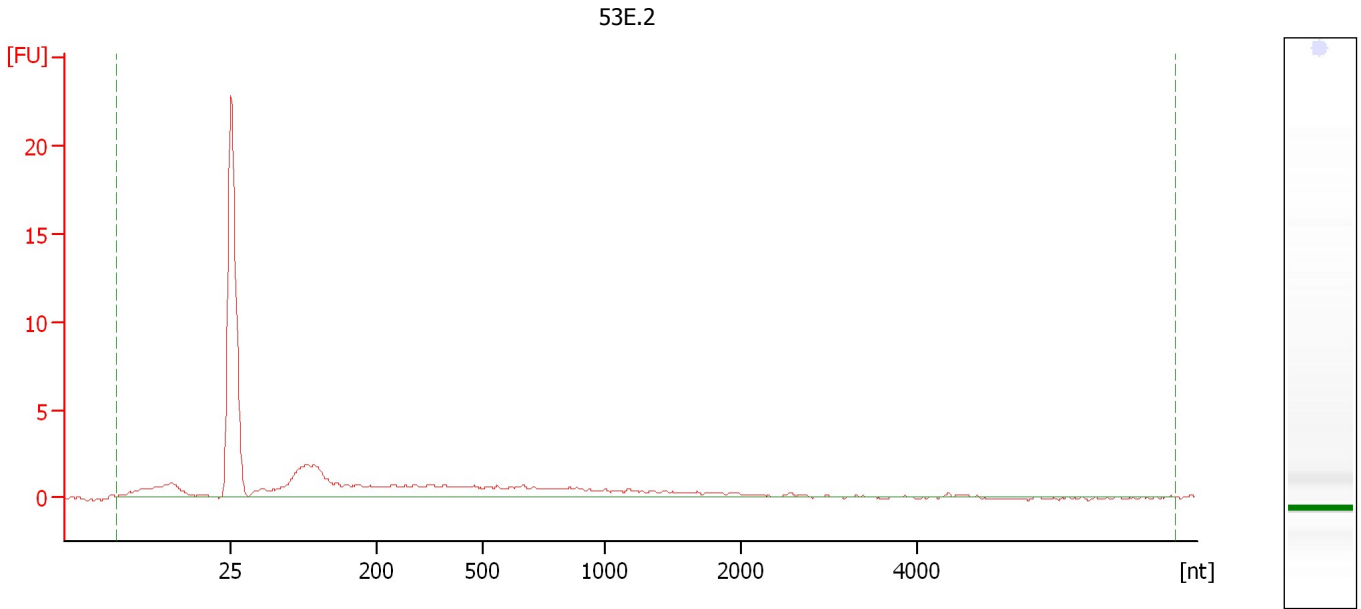
**Overall Results for sample 9 : 53E**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 52.1      | RNA Integrity Number (RIN): | 2.4 (B.02.08)   |
| RNA Concentration:      | 607 pg/μl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN: 2.40   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



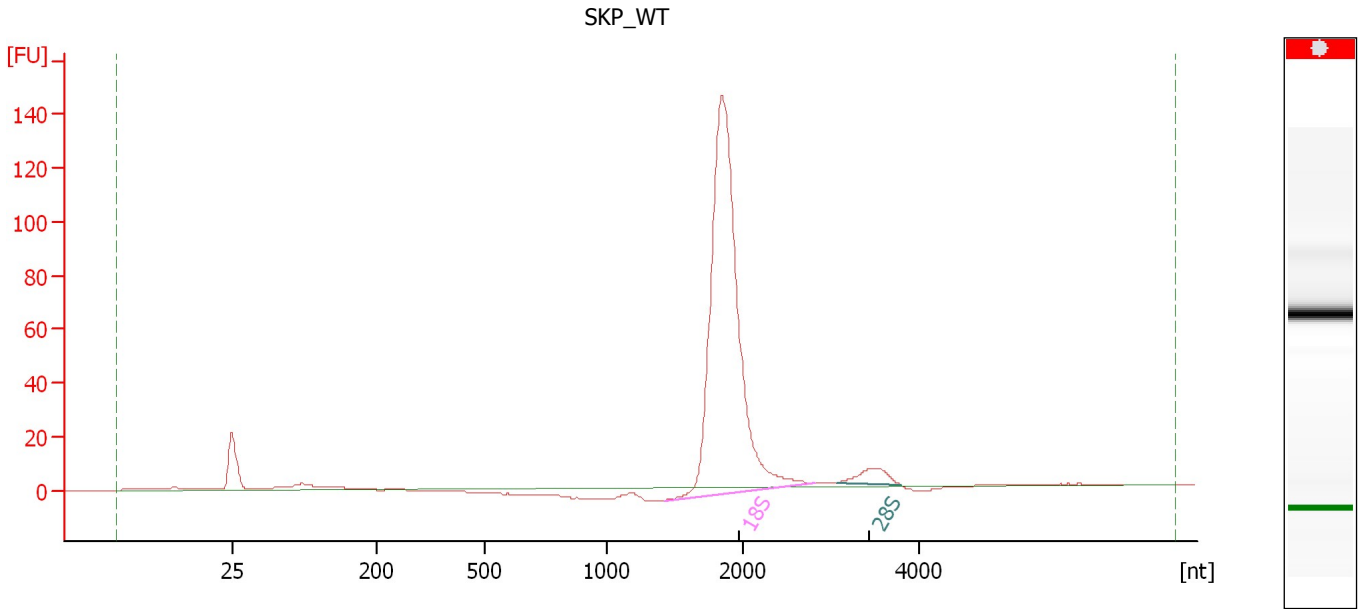
**Overall Results for sample 10 : 53E.2**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 43.8      | RNA Integrity Number (RIN): | 1 (B.02.08)   |
| RNA Concentration:      | 511 pg/μl | Result Flagging Color:      | <span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN:1   |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : SKP\_WT**

RNA Area: 482.8                      RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 5,628 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.0                      Result Flagging Label: RIN N/A

**Fragment table for sample 11 : SKP\_WT**

| Name | Start Size [nt] | End Size [nt] | Area  | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S  | 1,431           | 2,809         | 444.8 | 92.1            |
| 28S  | 3,051           | 3,789         | 17.2  | 3.6             |

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:17:43 AM

**Gel Image**

