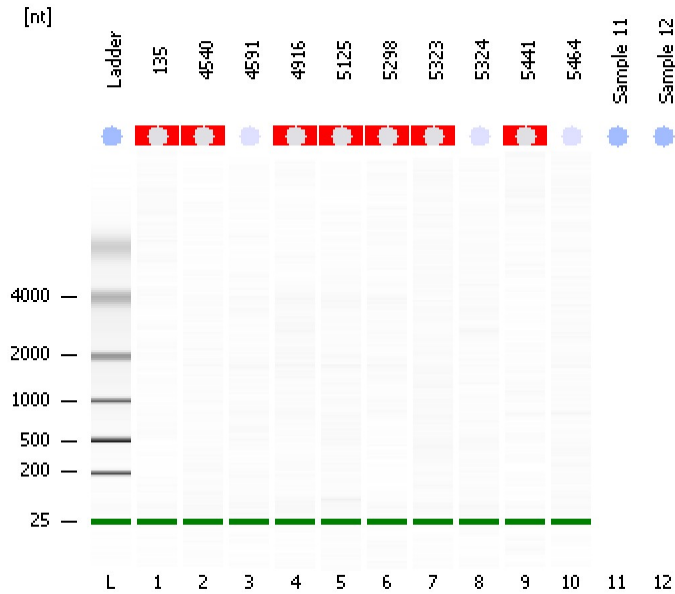


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

### 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\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

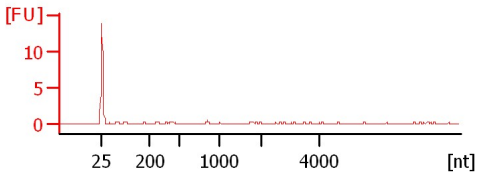
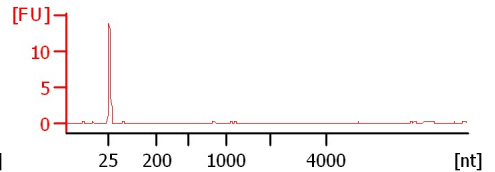
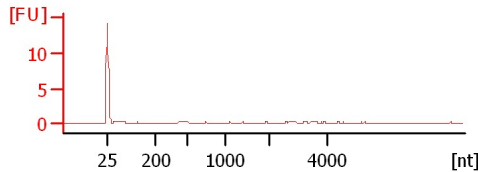
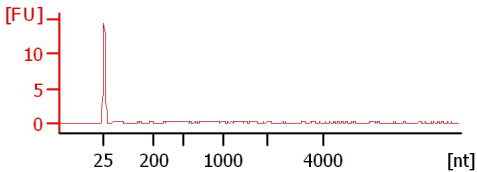
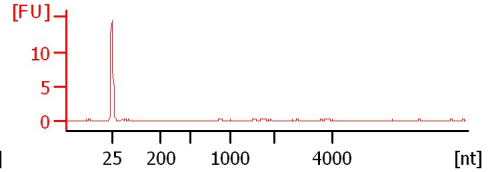
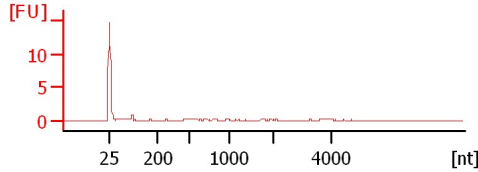
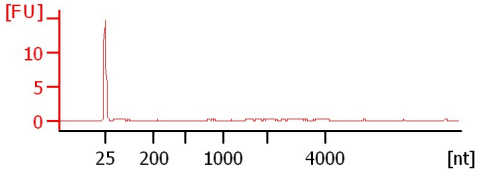
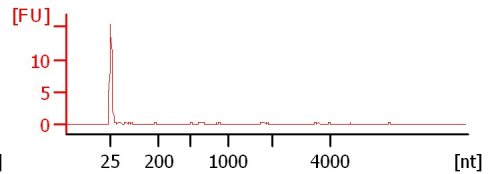
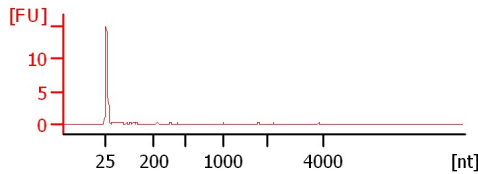
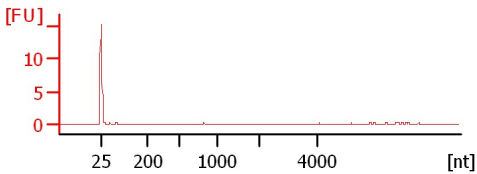
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#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
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**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name | Sample Comment | Status | Result Label      | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| 135         |                | ✓      | RIN N/A           |              |
| 4540        |                | ✓      | RIN N/A           |              |
| 4591        |                | ✓      | RIN:1             |              |
| 4916        |                | ✓      | RIN N/A           |              |
| 5125        |                | ✓      | RIN N/A           |              |
| 5298        |                | ✓      | RIN N/A           |              |
| 5323        |                | ✓      | RIN N/A           |              |
| 5324        |                | ✓      | RIN:1             |              |
| 5441        |                | ✓      | RIN N/A           |              |
| 5464        |                | ✓      | RIN:1             |              |
| Sample 11   |                |        |                   |              |
| Sample 12   |                |        |                   |              |
| Ladder      |                | ✓      | All Other Samples |              |

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

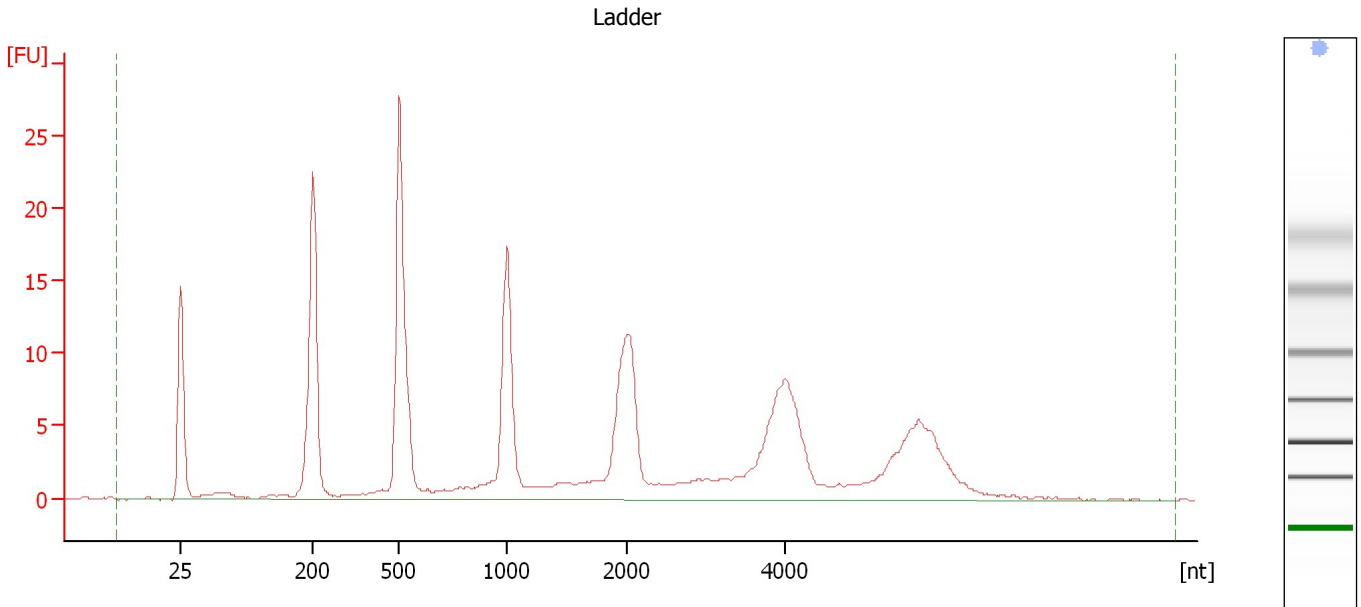
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Electropherogram Summary**



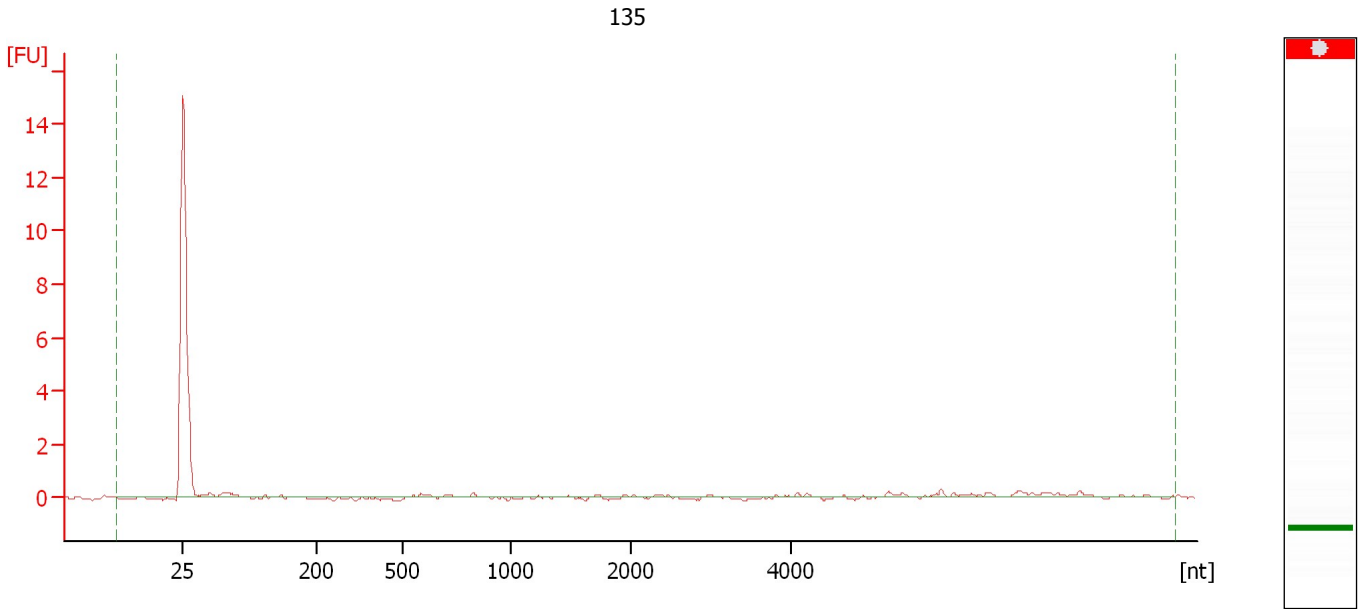
**Overall Results for Ladder**

|                    |           |                        |   |
|--------------------|-----------|------------------------|---|
| RNA Area:          | 227.1     | Result Flagging Color: | <span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> |
| RNA Concentration: | 150 ng/μl | Result Flagging Label: | All Other Samples   |

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Electropherogram Summary Continued ...**



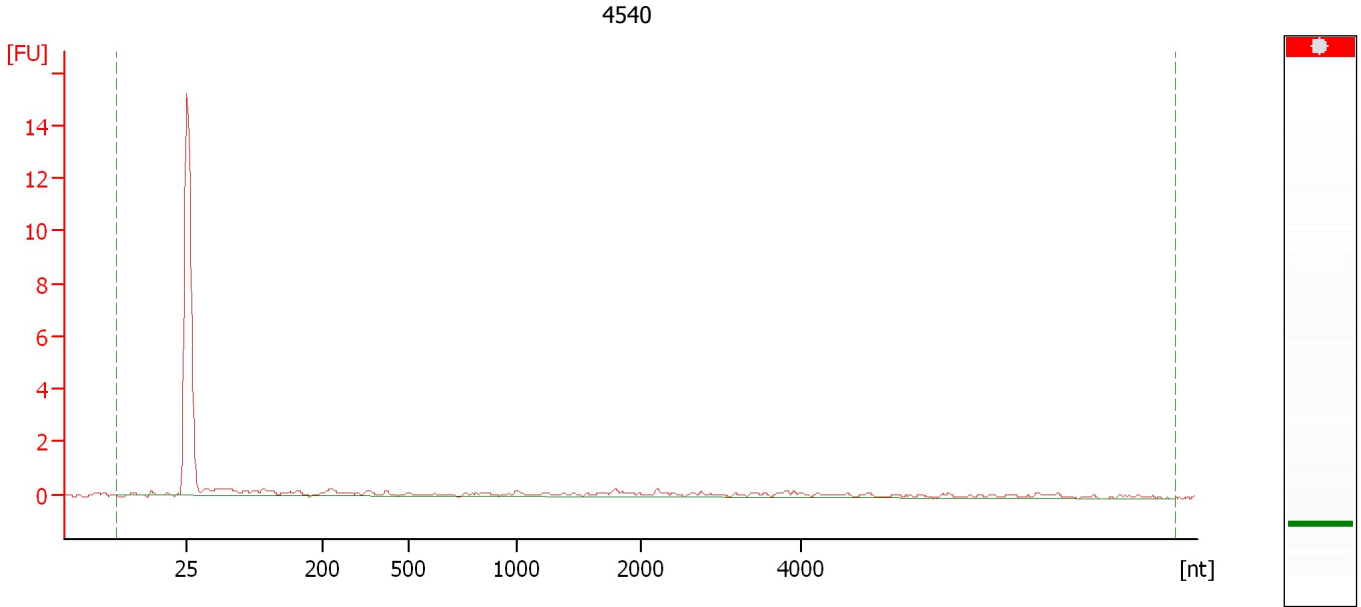
**Overall Results for sample 1 : 135**

|                         |         |                             |   |
|-------------------------|---------|-----------------------------|---|
| RNA Area:               | 3.2     | RNA Integrity Number (RIN): | N/A (B.02.08)   |
| RNA Concentration:      | 2 ng/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 Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Electropherogram Summary Continued ...**



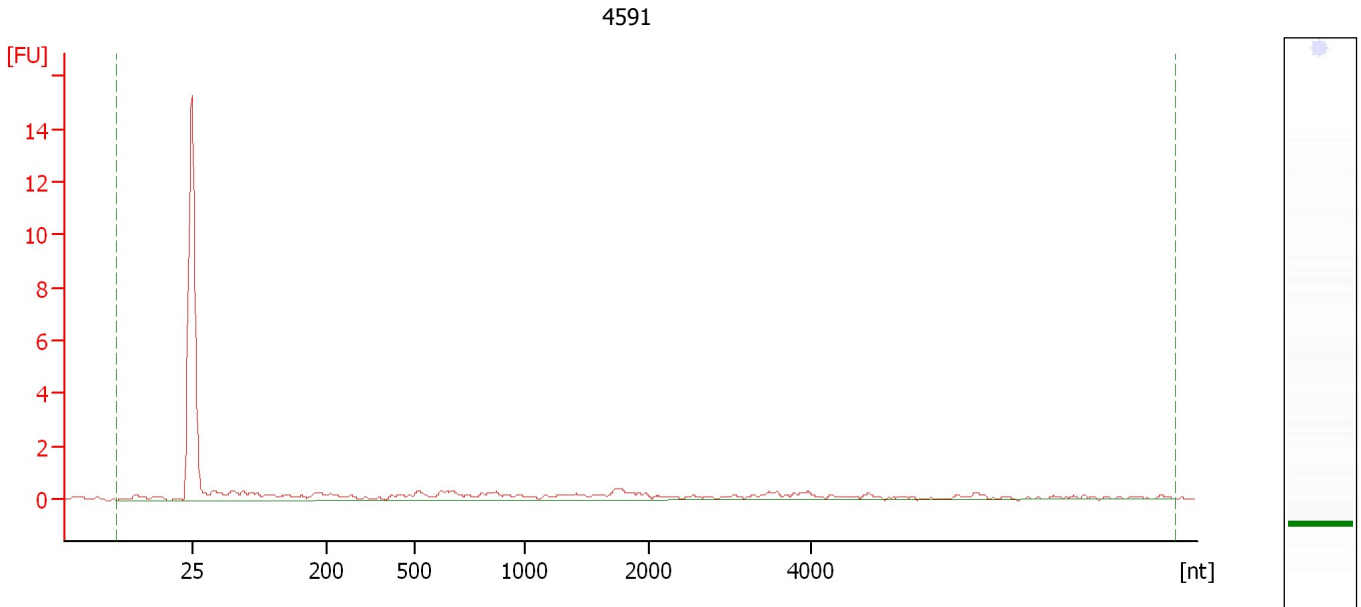
**Overall Results for sample 2 : 4540**

|                         |         |                             |   |
|-------------------------|---------|-----------------------------|---|
| RNA Area:               | 10.6    | RNA Integrity Number (RIN): | N/A (B.02.08)   |
| RNA Concentration:      | 7 ng/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 Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Electropherogram Summary Continued ...**



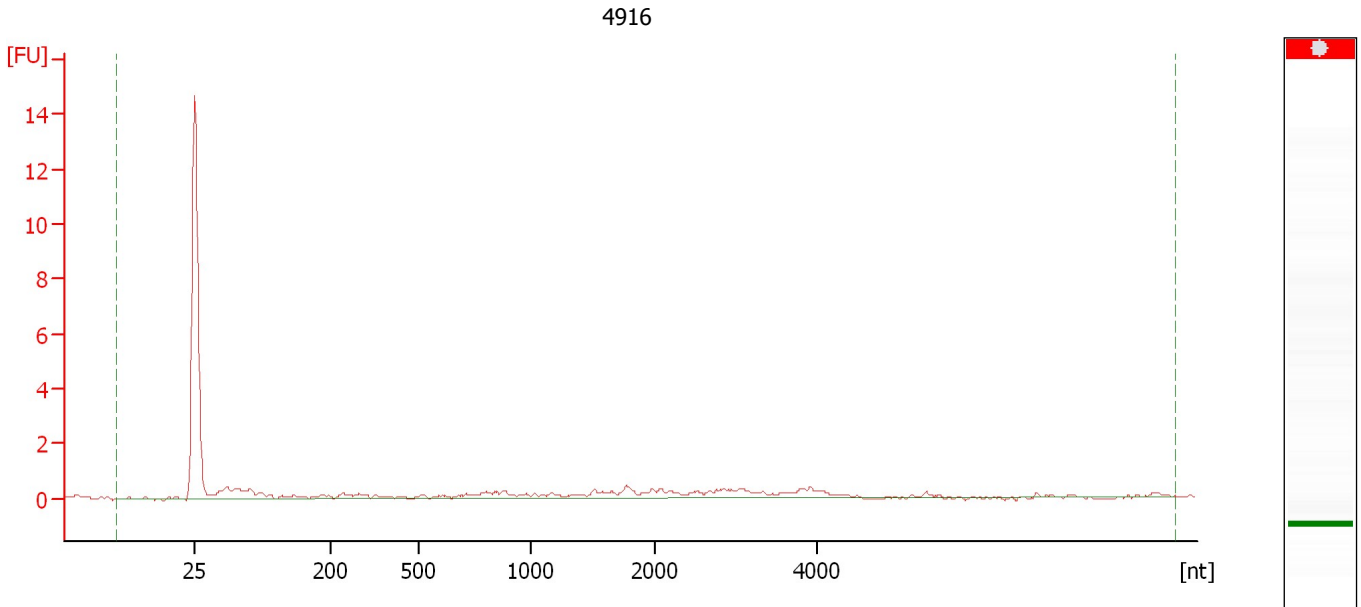
**Overall Results for sample 3 : 4591**

|                         |          |                             |   |
|-------------------------|----------|-----------------------------|---|
| RNA Area:               | 16.1     | RNA Integrity Number (RIN): | 1 (B.02.08)   |
| RNA Concentration:      | 11 ng/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 Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 4916**

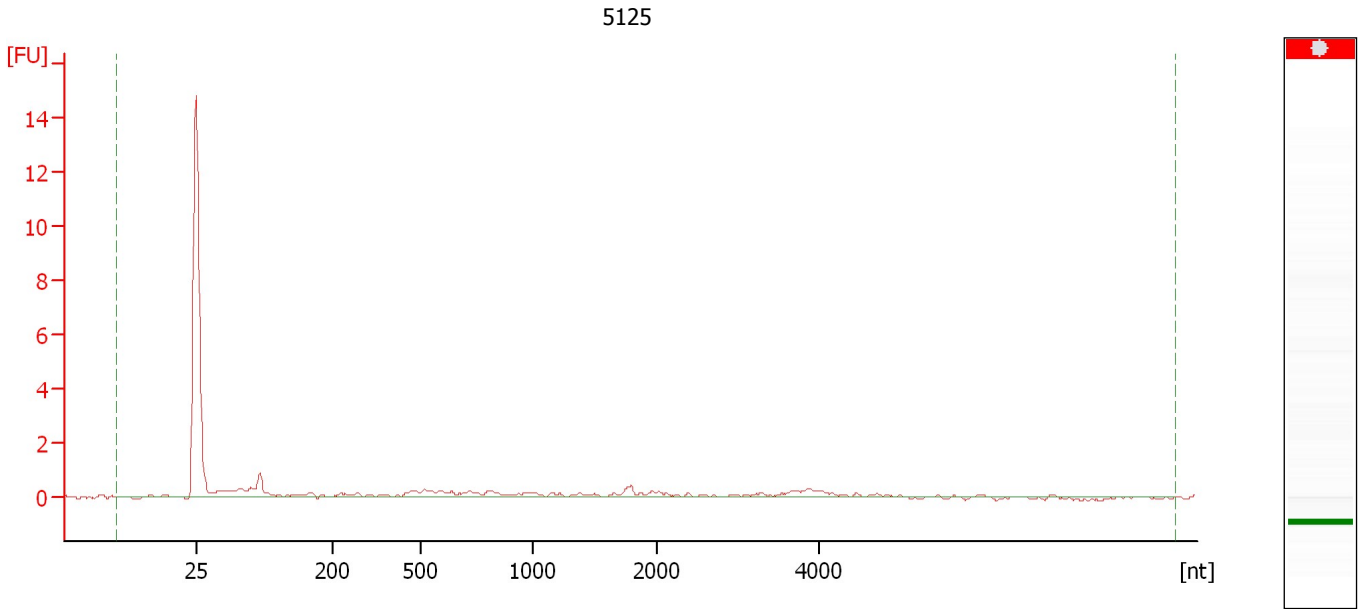
|                         |         |                             |   |
|-------------------------|---------|-----------------------------|---|
| RNA Area:               | 14.2    | RNA Integrity Number (RIN): | N/A (B.02.08)   |
| RNA Concentration:      | 9 ng/μl | Result Flagging Color:      | <span 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 Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Electropherogram Summary Continued ...**



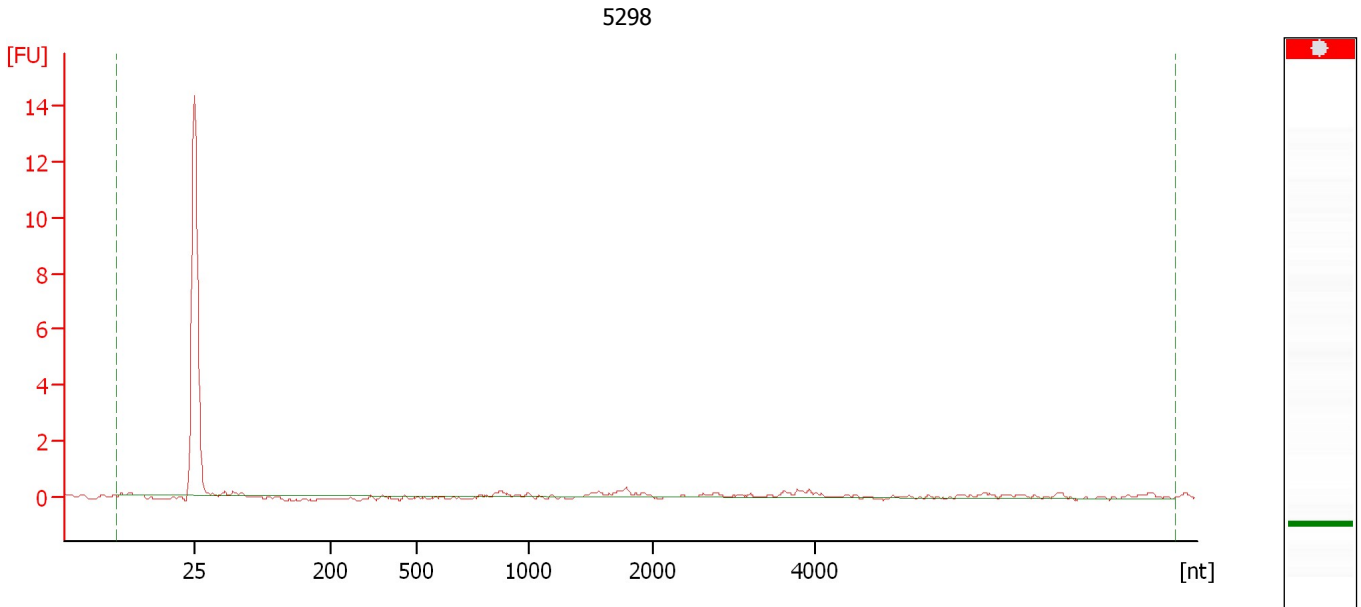
**Overall Results for sample 5 : 5125**

|                         |         |                             |   |
|-------------------------|---------|-----------------------------|---|
| RNA Area:               | 12.5    | RNA Integrity Number (RIN): | N/A (B.02.08)   |
| RNA Concentration:      | 8 ng/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 Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 5298**

|                         |         |                             |   |
|-------------------------|---------|-----------------------------|---|
| RNA Area:               | 4.5     | RNA Integrity Number (RIN): | N/A (B.02.08)   |
| RNA Concentration:      | 3 ng/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 Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28\_001.xad

Created: 1/28/2019 10:11:10 AM  
Modified: 1/28/2019 10:32:21 AM

**Gel Image**

