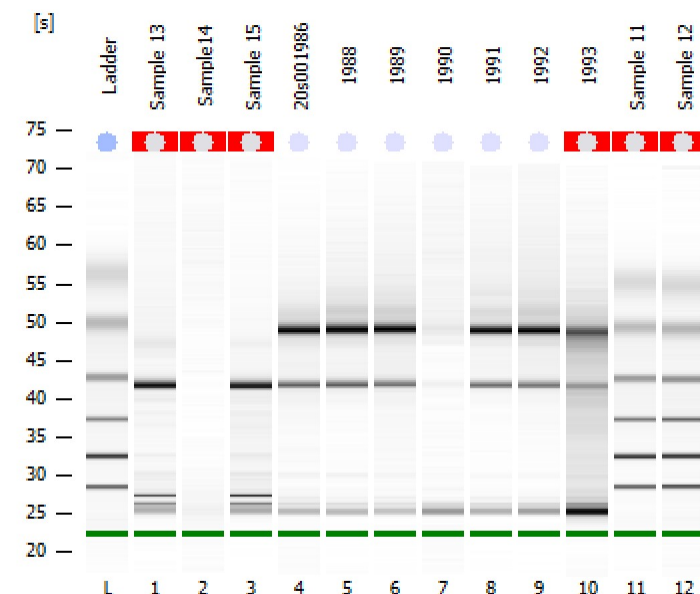


Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE72903098  
Serial#: DE72903098

Firmware: C.01.069  
Type: G2939A

#### Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

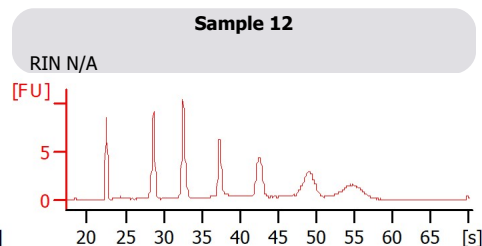
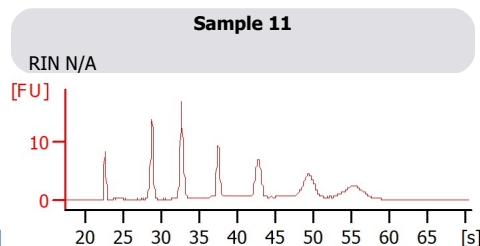
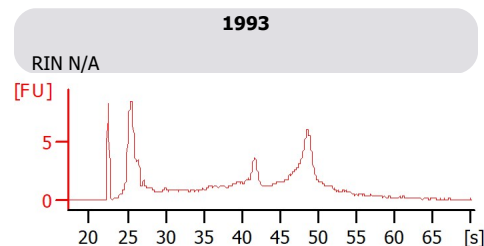
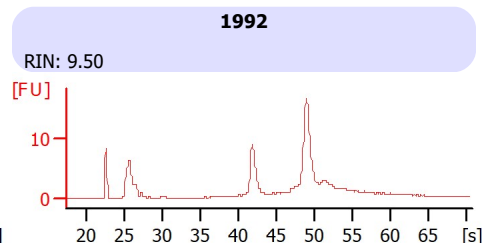
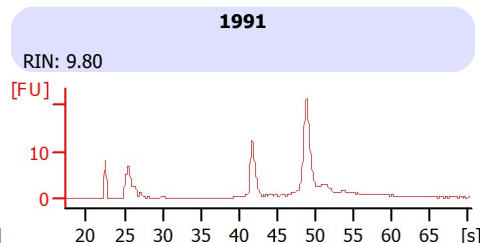
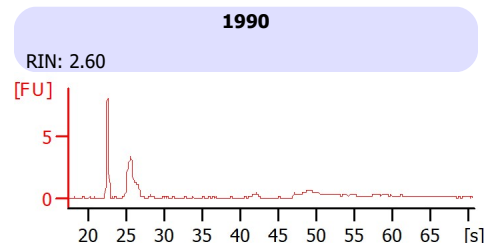
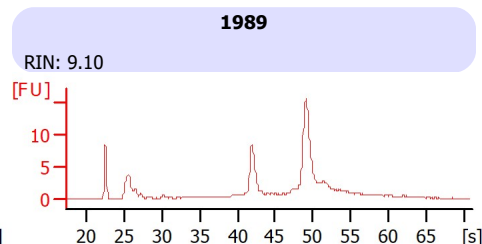
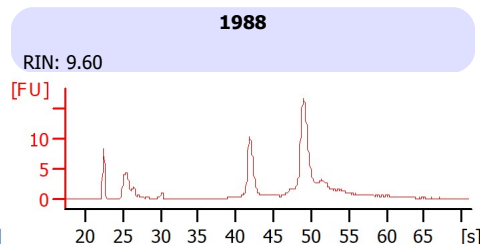
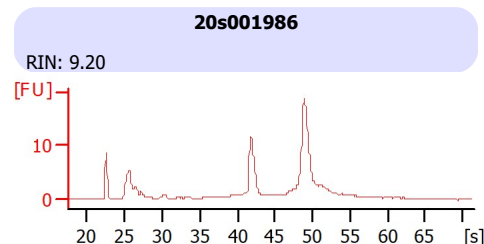
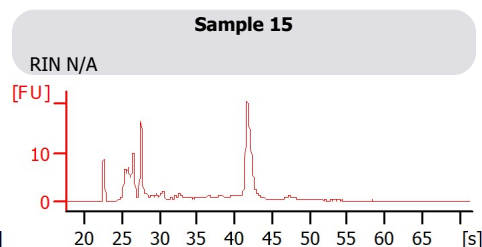
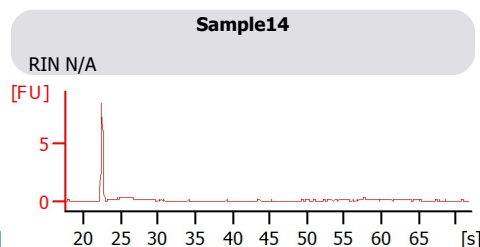
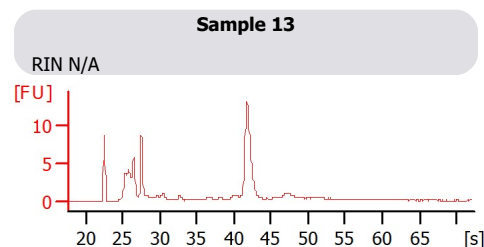
© Copyright 2003 - 2009 Agilent Technologies, Inc.

#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

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

| Sample Name | Sample Comment | Status | Result Label      | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| Sample 13   |                | ✓      | RIN N/A           |              |
| Sample14    |                | ✓      | RIN N/A           |              |
| Sample 15   |                | ✓      | RIN N/A           |              |
| 20s001986   |                | ✓      | RIN: 9.20         |              |
| 1988        |                | ✓      | RIN: 9.60         |              |
| 1989        |                | ✓      | RIN: 9.10         |              |
| 1990        |                | ✓      | RIN: 2.60         |              |
| 1991        |                | ✓      | RIN: 9.80         |              |
| 1992        |                | ✓      | RIN: 9.50         |              |
| 1993        |                | ✓      | RIN N/A           |              |
| Sample 11   |                | ✓      | RIN N/A           |              |
| Sample 12   |                | ✓      | RIN N/A           |              |
| Ladder      |                | ✓      | All Other Samples |              |

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

## 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

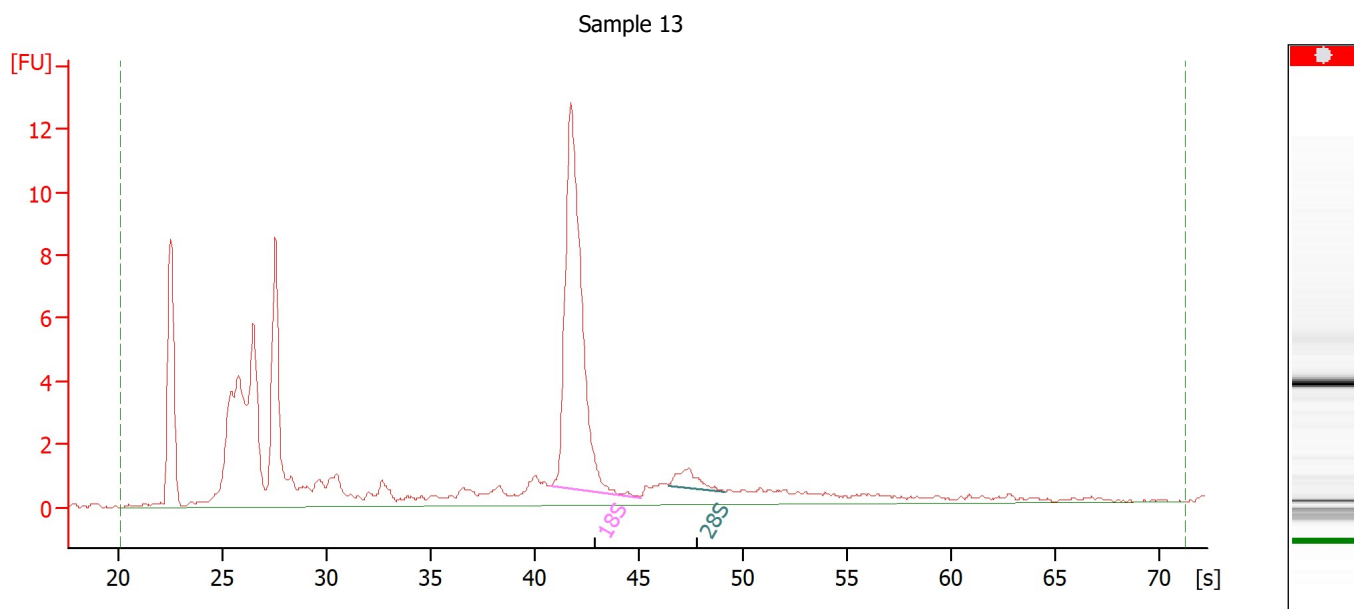
### Ladder

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


Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
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### Electropherogram Summary



### Overall Results for sample 1 : Sample 13

|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 101.5     | RNA Integrity Number (RIN): | N/A (B.02.08)  |
| RNA Concentration:      | 115 ng/μl | Result Flagging Color:      |  |
| rRNA Ratio [28s / 18s]: | 0.1       | Result Flagging Label:      | RIN N/A  |

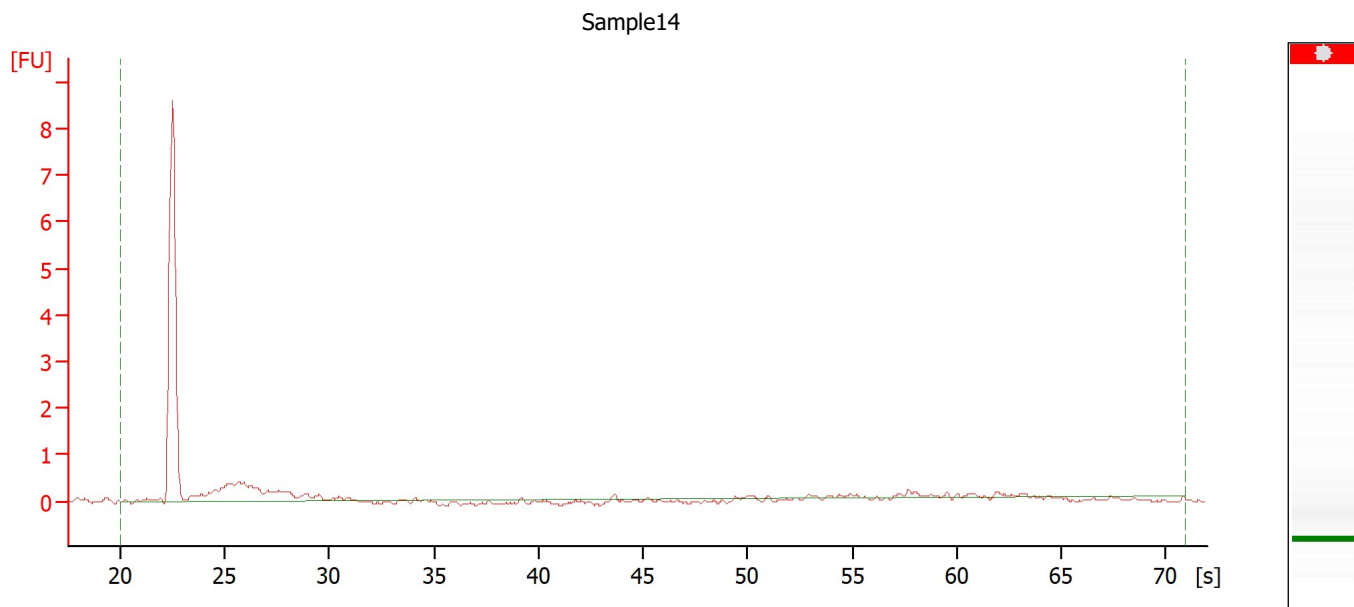
### Fragment table for sample 1 : Sample 13

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 40.72          | 45.05        | 26.1 | 25.7            |
| 28S  | 46.39          | 49.13        | 1.4  | 1.4             |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
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### Electropherogram Summary Continued ...

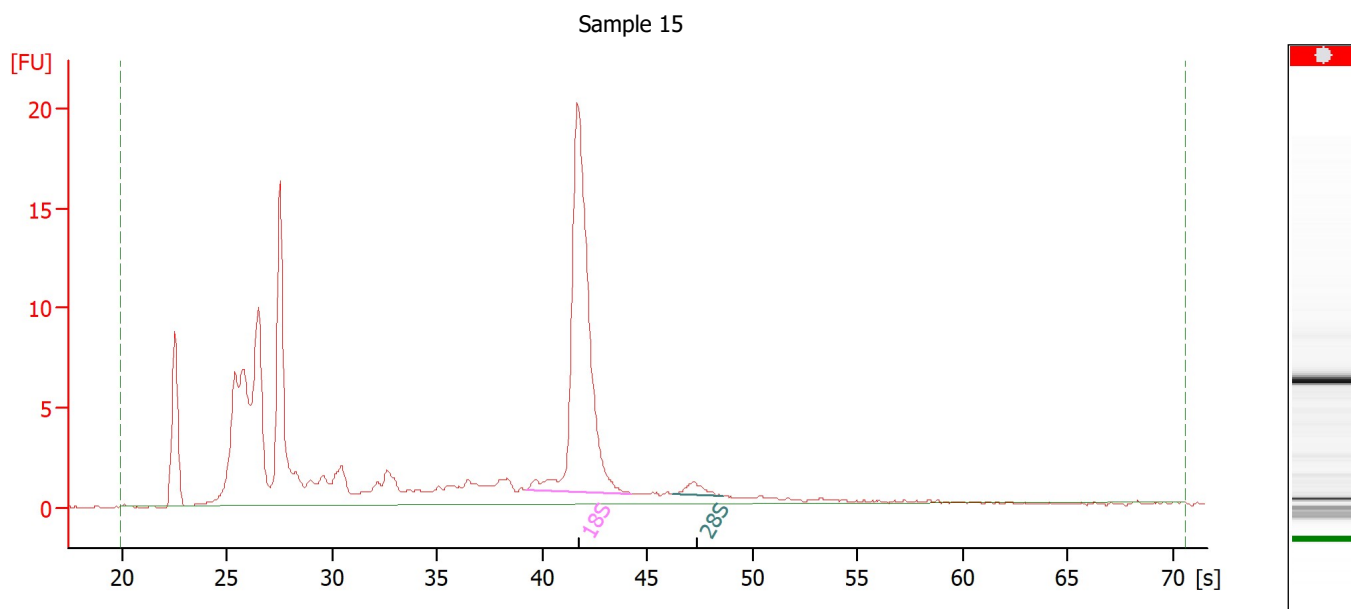


### Overall Results for sample 2 : Sample14

|                         |         |                             |  |
|-------------------------|---------|-----------------------------|--|
| RNA Area:               | 6.3     | RNA Integrity Number (RIN): | N/A (B.02.08)  |
| RNA Concentration:      | 7 ng/μl | Result Flagging Color:      | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 0.0     | Result Flagging Label:      | RIN N/A  |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 3 : Sample 15**

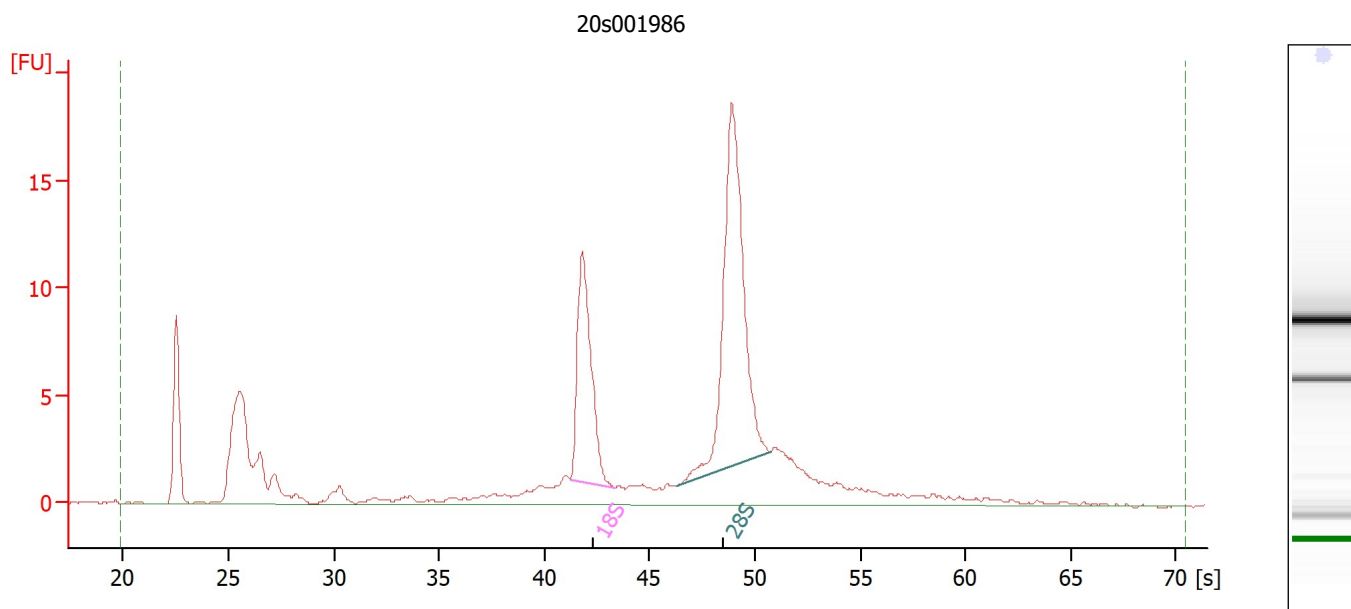
|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 162.1     | RNA Integrity Number (RIN): | N/A (B.02.08)  |
| RNA Concentration:      | 184 ng/μl | Result Flagging Color:      | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 0.0       | Result Flagging Label:      | RIN N/A  |

**Fragment table for sample 3 : Sample 15**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 39.22          | 44.23        | 42.5 | 26.2            |
| 28S  | 46.18          | 48.58        | 1.3  | 0.8             |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 4 : 20s001986**

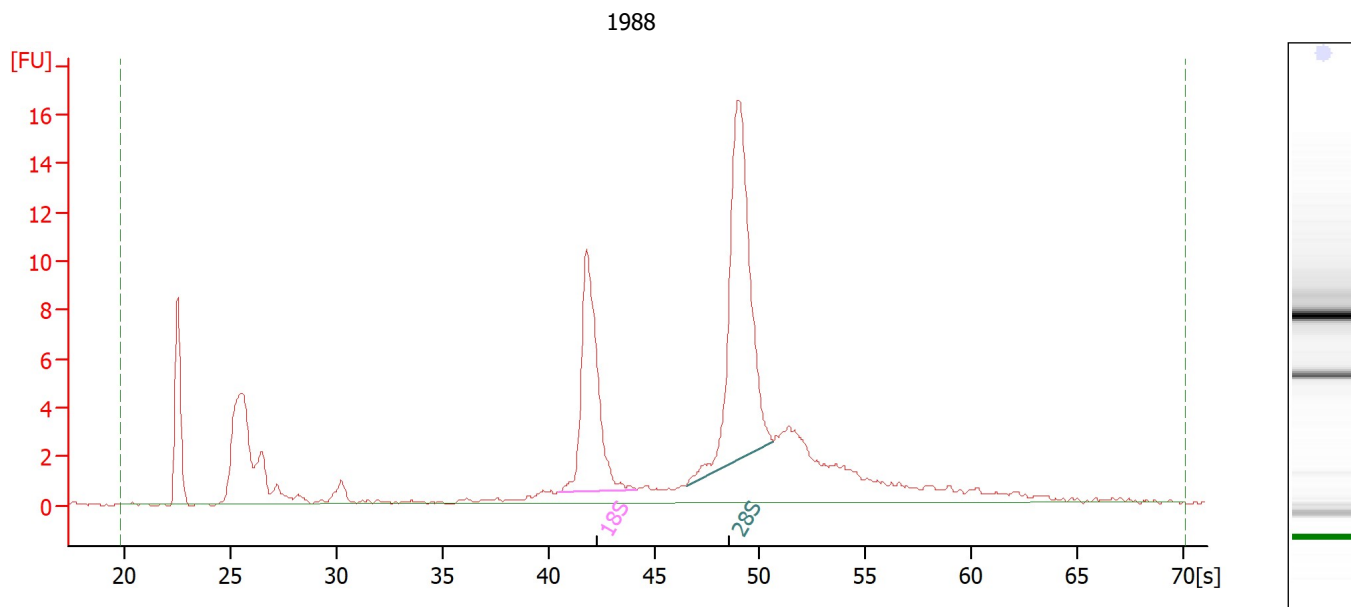
|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 140.1     | RNA Integrity Number (RIN): | 9.2 (B.02.08)  |
| RNA Concentration:      | 159 ng/μl | Result Flagging Color:      | <div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 1.9       | Result Flagging Label:      | RIN: 9.20  |

**Fragment table for sample 4 : 20s001986**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 41.22          | 43.32        | 19.1 | 13.7            |
| 28S  | 46.33          | 50.71        | 37.3 | 26.6            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 5 : 1988**

|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 127.4     | RNA Integrity Number (RIN): | 9.6 (B.02.08)  |
| RNA Concentration:      | 144 ng/μl | Result Flagging Color:      | <div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 1.7       | Result Flagging Label:      | RIN: 9.60  |

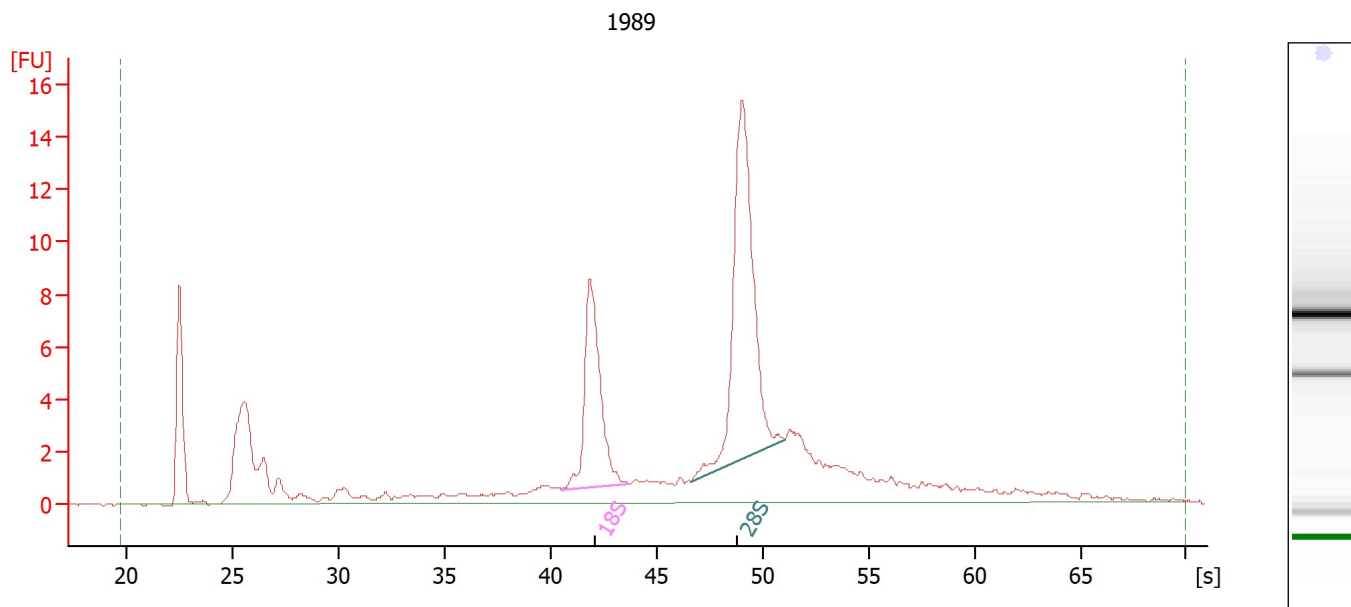
**Fragment table for sample 5 : 1988**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 40.48          | 44.19        | 20.3 | 16.0            |
| 28S  | 46.52          | 50.64        | 33.6 | 26.4            |



Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
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**Electropherogram Summary Continued ...****Overall Results for sample 6 : 1989**

|                         |           |                             |   |
|-------------------------|-----------|-----------------------------|---|
| RNA Area:               | 120.2     | RNA Integrity Number (RIN): | 9.1 (B.02.08)   |
| RNA Concentration:      | 136 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]: | 1.8       | Result Flagging Label:      | RIN: 9.10   |

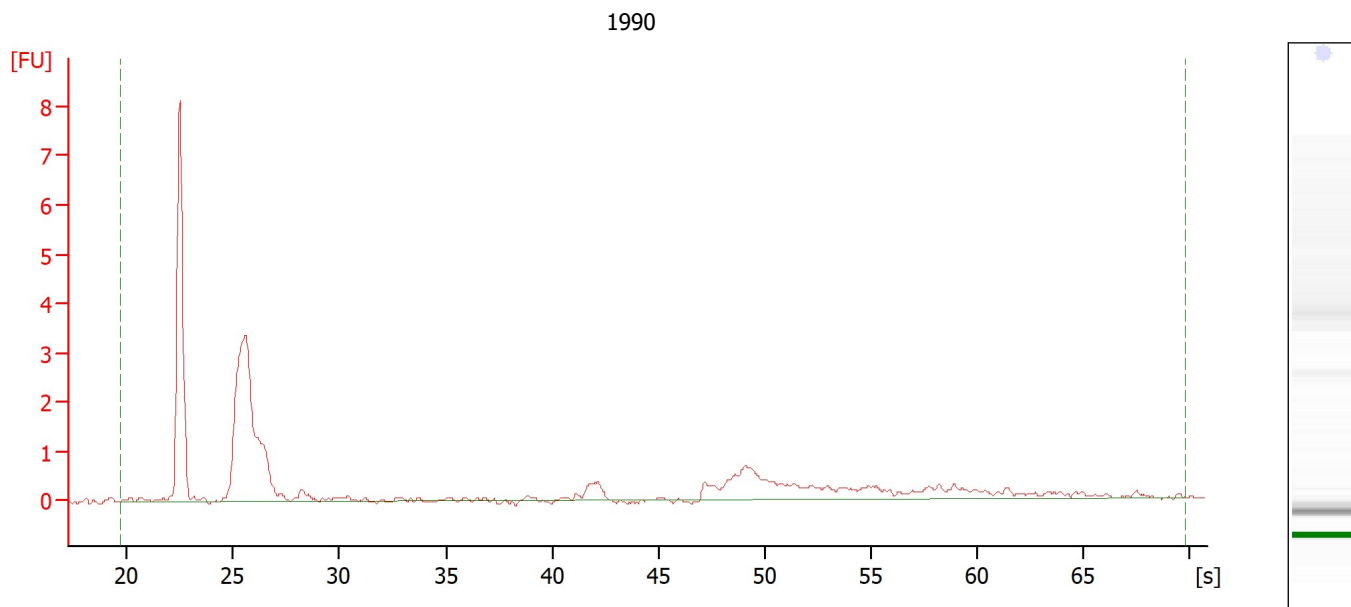
**Fragment table for sample 6 : 1989**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 40.54          | 43.73        | 16.0 | 13.3            |
| 28S  | 46.67          | 51.08        | 29.5 | 24.5            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...**

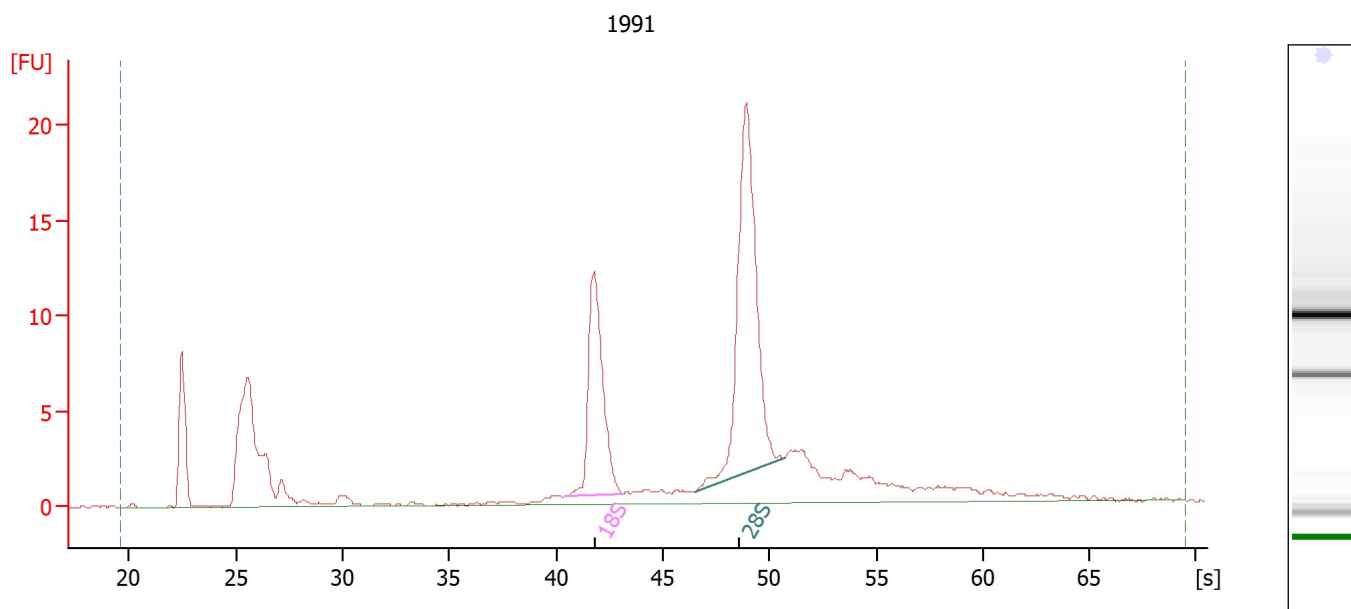


**Overall Results for sample 7 : 1990**

|                         |          |                             |  |
|-------------------------|----------|-----------------------------|--|
| RNA Area:               | 25.1     | RNA Integrity Number (RIN): | 2.6 (B.02.08)  |
| RNA Concentration:      | 28 ng/μl | Result Flagging Color:      | <div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 0.0      | Result Flagging Label:      | RIN: 2.60  |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 1991**

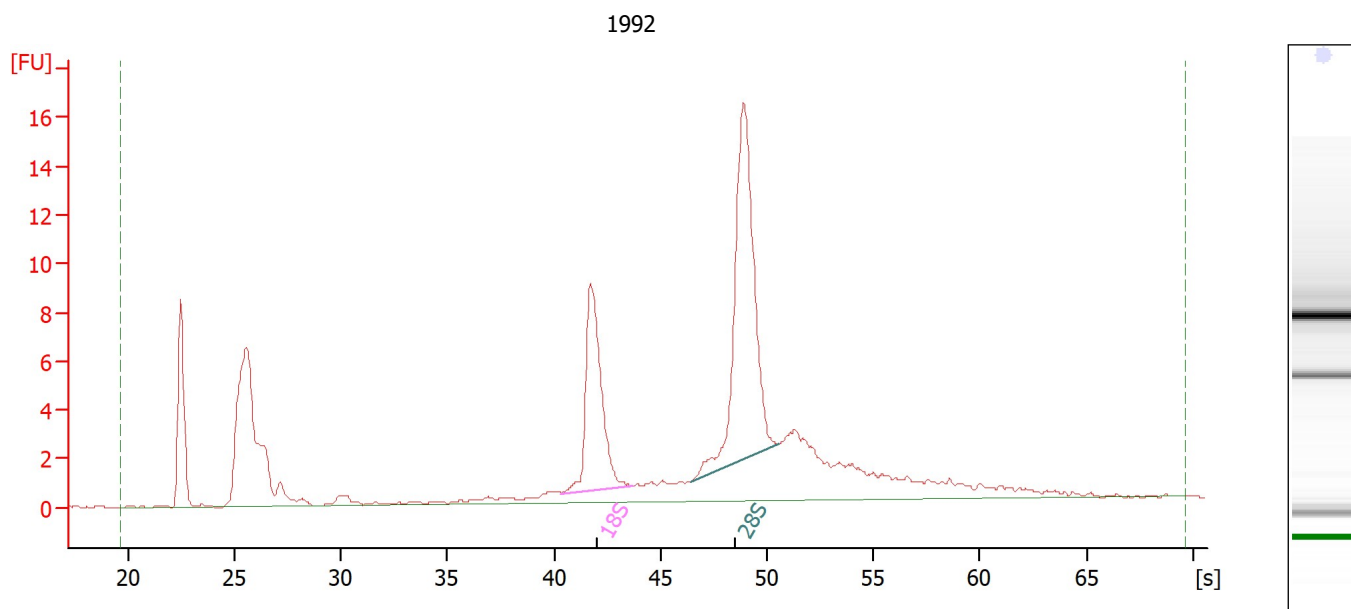
|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 139.9     | RNA Integrity Number (RIN): | 9.8 (B.02.08)  |
| RNA Concentration:      | 159 ng/μl | Result Flagging Color:      | <div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 1.8       | Result Flagging Label:      | RIN: 9.80  |

**Fragment table for sample 8 : 1991**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 40.52          | 43.14        | 21.6 | 15.4            |
| 28S  | 46.51          | 50.69        | 39.1 | 27.9            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 9 : 1992**

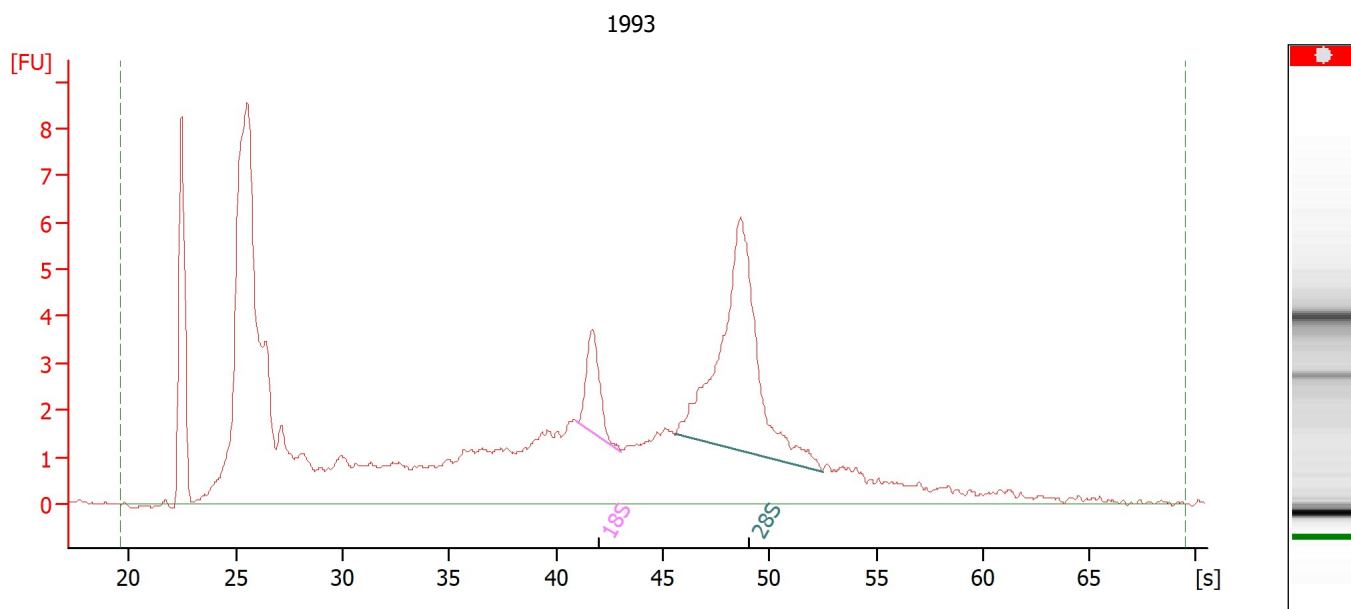
|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 129.0     | RNA Integrity Number (RIN): | 9.5 (B.02.08)  |
| RNA Concentration:      | 146 ng/μl | Result Flagging Color:      | <div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 1.8       | Result Flagging Label:      | RIN: 9.50  |

**Fragment table for sample 9 : 1992**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 40.36          | 43.74        | 16.9 | 13.1            |
| 28S  | 46.46          | 50.60        | 31.1 | 24.1            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 10 : 1993**

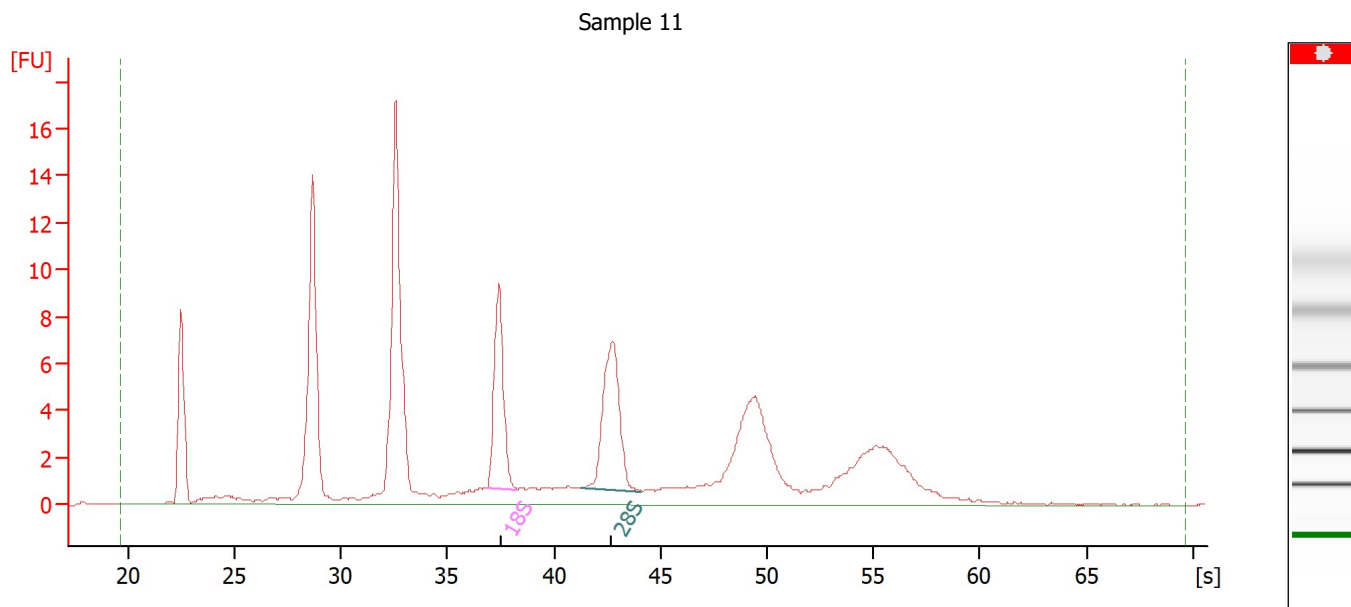
|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 148.1     | RNA Integrity Number (RIN): | N/A (B.02.08)  |
| RNA Concentration:      | 168 ng/μl | Result Flagging Color:      | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 5.4       | Result Flagging Label:      | RIN N/A  |

**Fragment table for sample 10 : 1993**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 40.97          | 43.04        | 3.7  | 2.5             |
| 28S  | 45.55          | 52.50        | 20.3 | 13.7            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 11 : Sample 11**

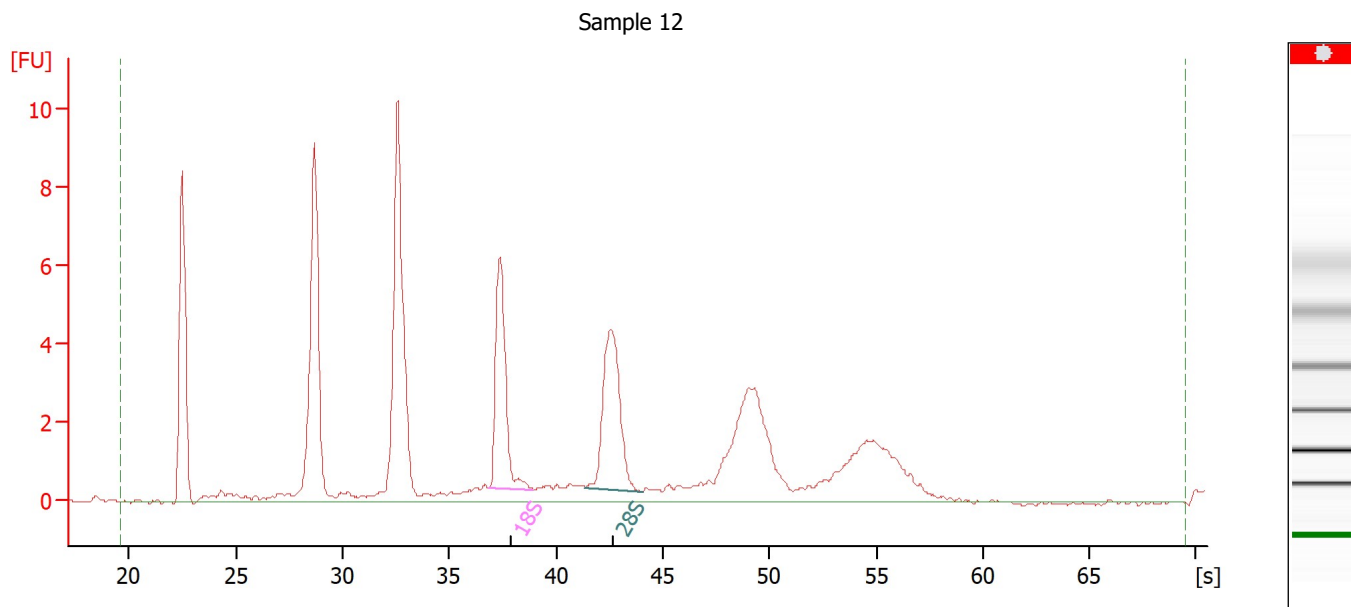
|                         |           |                             |  |
|-------------------------|-----------|-----------------------------|--|
| RNA Area:               | 142.0     | RNA Integrity Number (RIN): | N/A (B.02.08)  |
| RNA Concentration:      | 161 ng/μl | Result Flagging Color:      | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 1.1       | Result Flagging Label:      | RIN N/A  |

**Fragment table for sample 11 : Sample 11**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 36.88          | 38.29        | 11.8 | 8.3             |
| 28S  | 41.27          | 44.04        | 13.3 | 9.3             |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

**Electropherogram Summary Continued ...****Overall Results for sample 12 : Sample 12**

|                         |          |                             |  |
|-------------------------|----------|-----------------------------|--|
| RNA Area:               | 87.4     | RNA Integrity Number (RIN): | N/A (B.02.08)  |
| RNA Concentration:      | 99 ng/μl | Result Flagging Color:      | <div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div> |
| rRNA Ratio [28s / 18s]: | 1.0      | Result Flagging Label:      | RIN N/A  |

**Fragment table for sample 12 : Sample 12**

| Name | Start Time [s] | End Time [s] | Area | % of total Area |
|------|----------------|--------------|------|-----------------|
| 18S  | 36.85          | 38.96        | 8.6  | 9.9             |
| 28S  | 41.38          | 44.04        | 8.8  | 10.1            |

Assay Class: Eukaryote Total RNA Nano  
Data Path: \\P...Eukaryote Total RNA Nano\_DE72903098\_2020-07-17\_15-54-42.xad

Created: 17/07/2020 15:54:42  
Modified: 17/07/2020 16:17:46

# Gel Image

