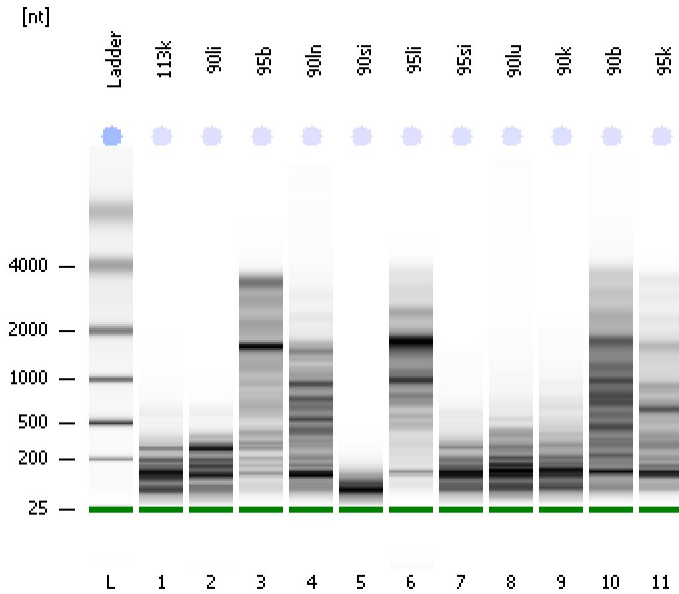


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

Electrophoresis File Run Summary



Instrument Information:

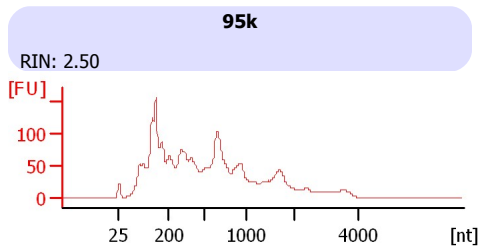
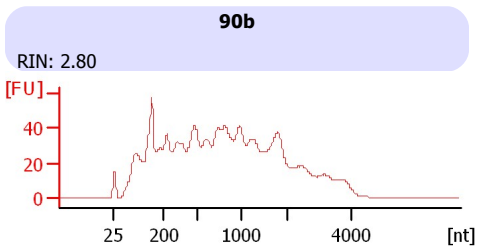
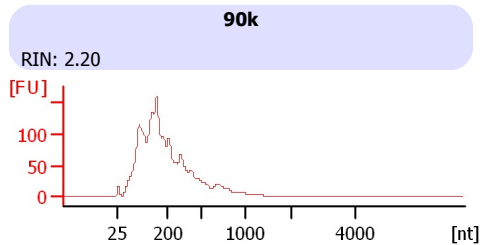
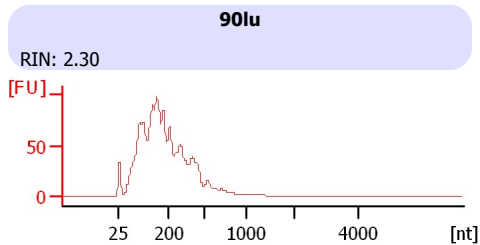
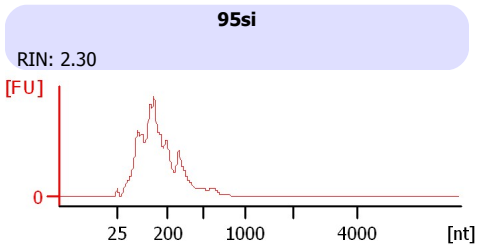
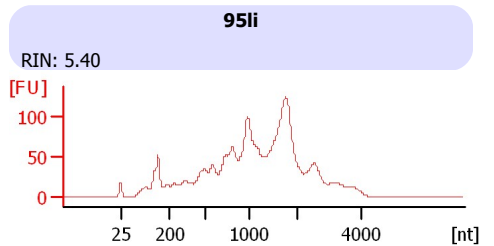
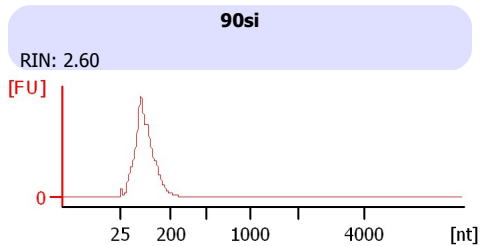
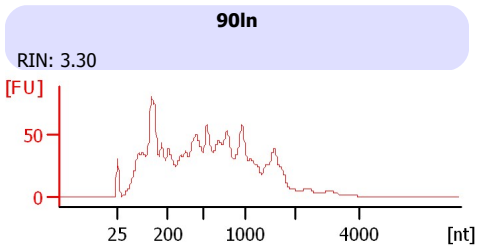
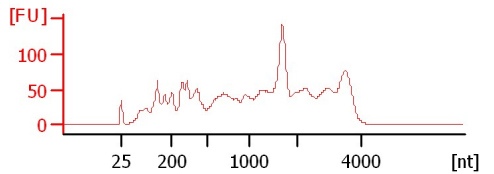
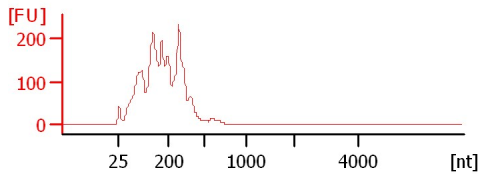
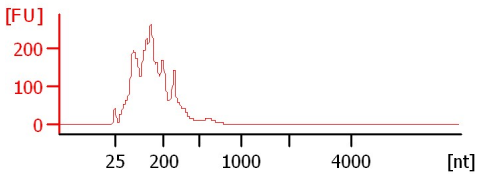
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
113k		✓	RIN: 2.40	
90li		✓	RIN: 2.30	
95b		✓	RIN: 5.10	
90ln		✓	RIN: 3.30	
90si		✓	RIN: 2.60	
95li		✓	RIN: 5.40	
95si		✓	RIN: 2.30	
90lu		✓	RIN: 2.30	
90k		✓	RIN: 2.20	
90b		✓	RIN: 2.80	
95k		✓	RIN: 2.50	
Ladder		✓	All Other Samples	

**Chip Lot #**

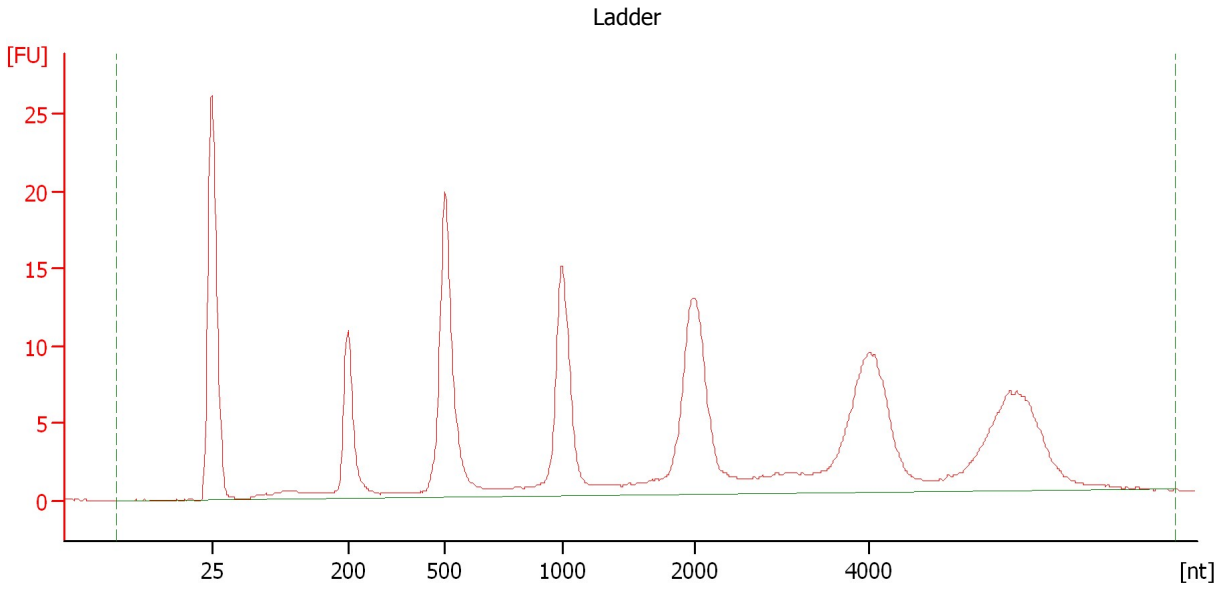
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary**



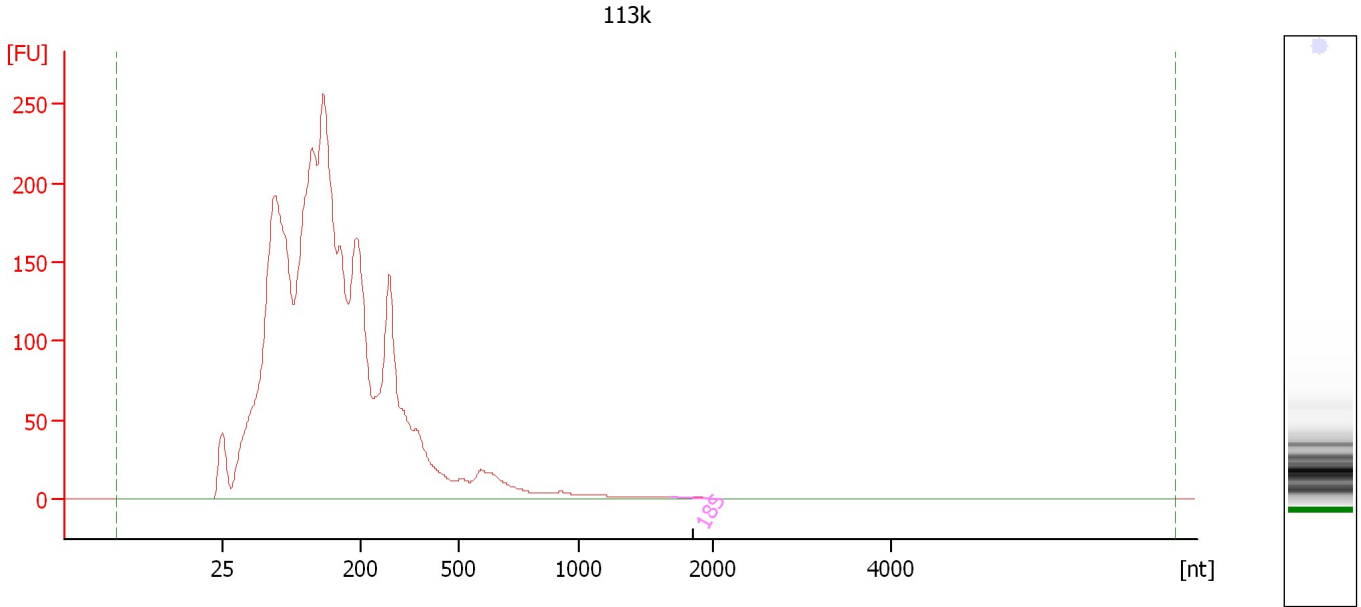
**Overall Results for Ladder**

RNA Area:	228.4	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:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 113k**

RNA Area:	3,950.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	17,293 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

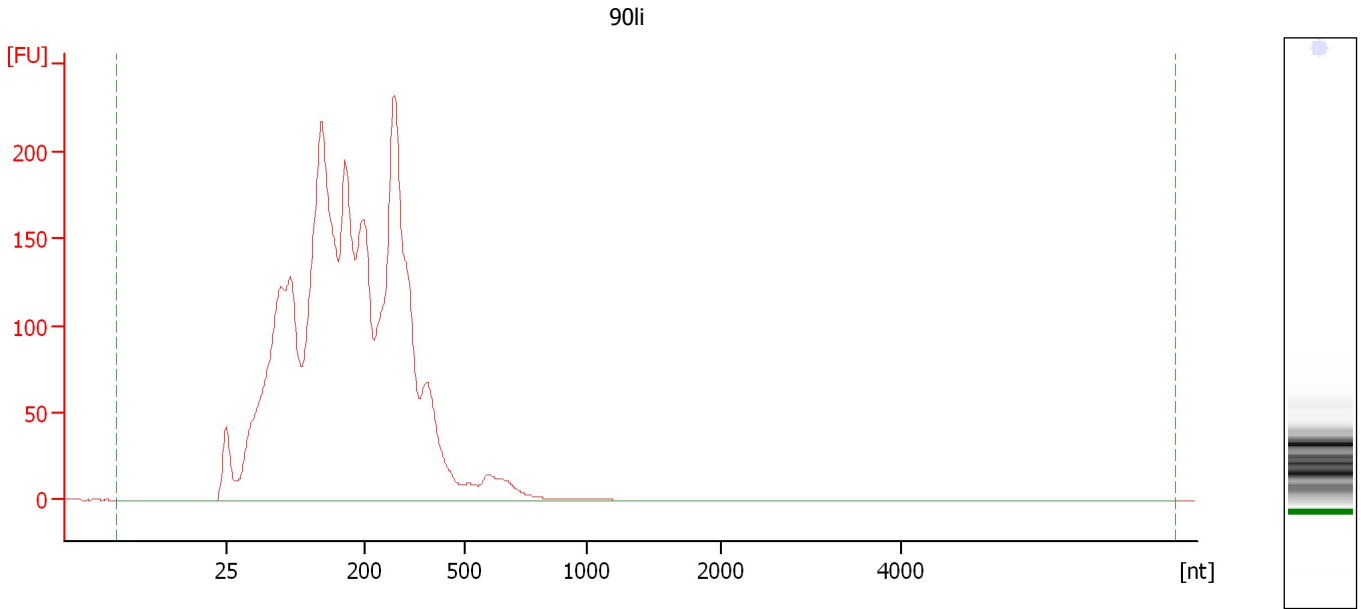
**Fragment table for sample 1 : 113k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,042	2.4	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



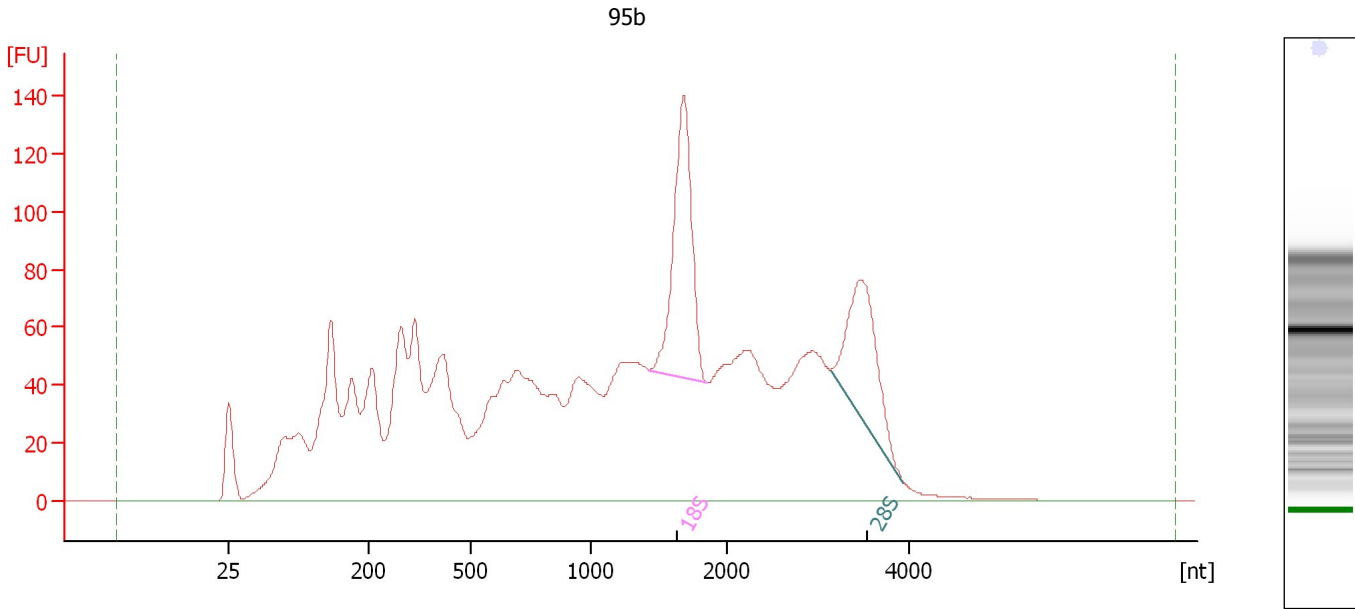
**Overall Results for sample 2 : 90li**

RNA Area:	3,752.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	16,425 pg/ $\mu$ l	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: 2.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 95b**

RNA Area: 3,176.3                      RNA Integrity Number (RIN): 5.1 (B.02.08)  
RNA Concentration: 13,904 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.7                      Result Flagging Label: RIN: 5.10

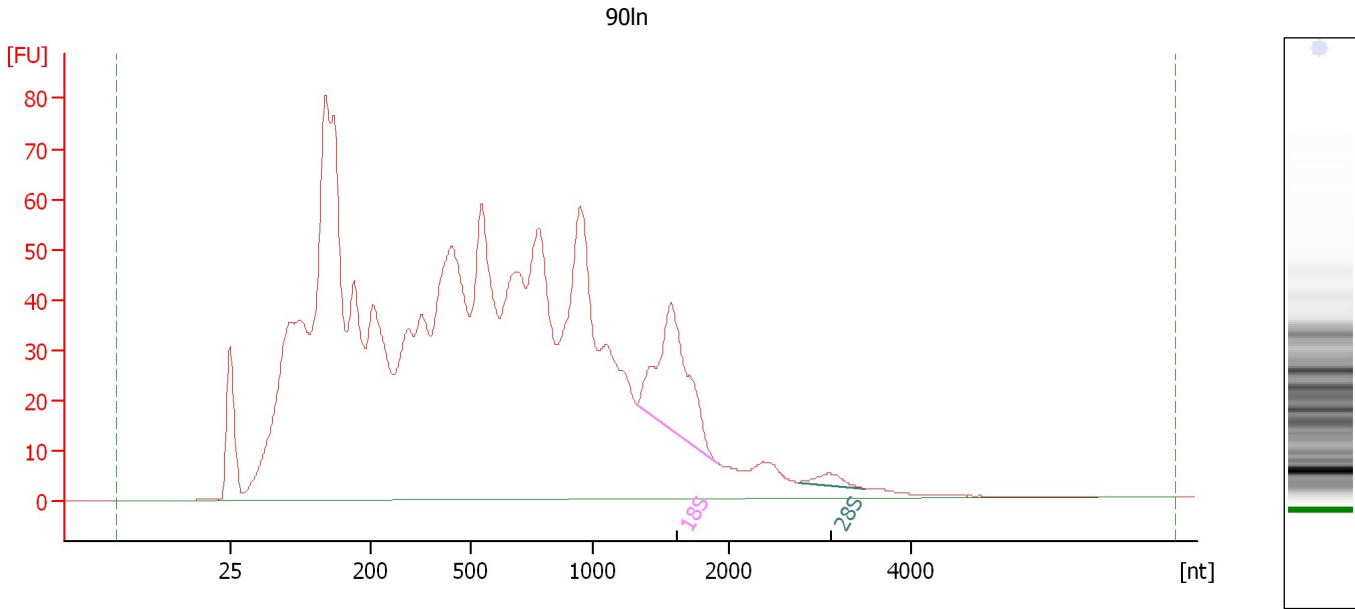
**Fragment table for sample 3 : 95b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,425	1,850	205.9	6.5
28S	3,143	3,946	137.4	4.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 90In**

RNA Area: 2,252.6                      RNA Integrity Number (RIN): 3.3 (B.02.08)  
RNA Concentration: 9,861 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.1                      Result Flagging Label: RIN: 3.30

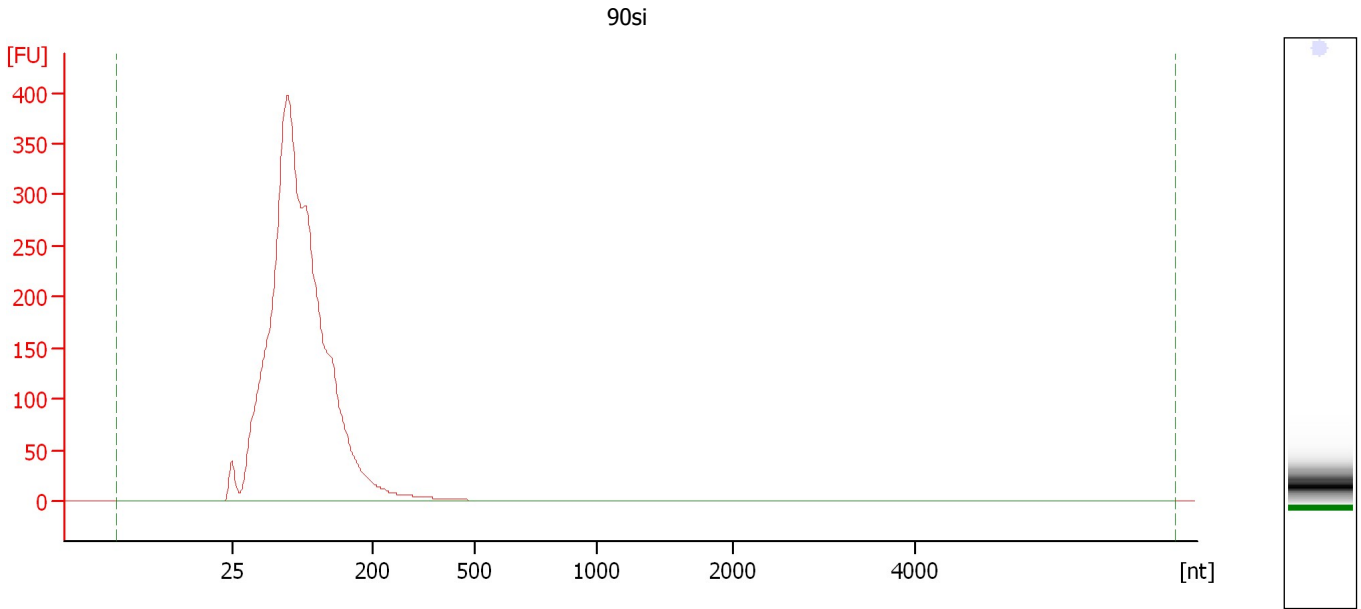
**Fragment table for sample 4 : 90In**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,324	1,905	90.0	4.0
28S	2,777	3,495	6.0	0.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 90si**

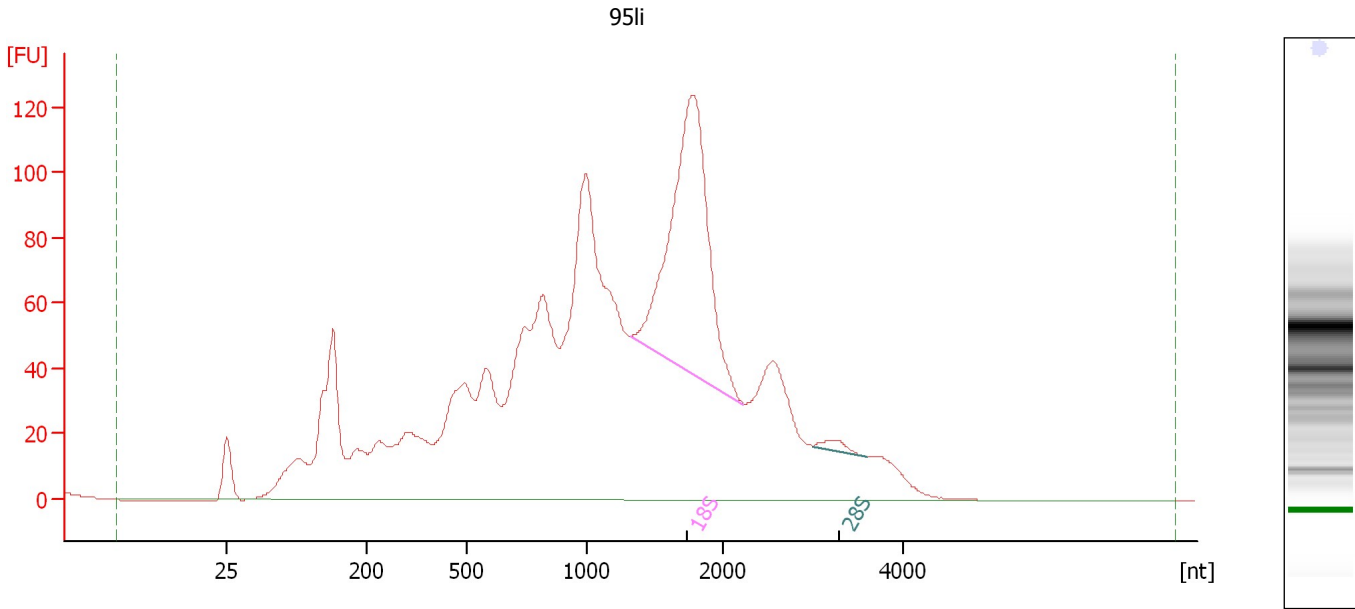
RNA Area:	3,634.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	15,911 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 95li**

RNA Area: 2,737.7                      RNA Integrity Number (RIN): 5.4 (B.02.08)  
RNA Concentration: 11,984 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.0                      Result Flagging Label: RIN: 5.40

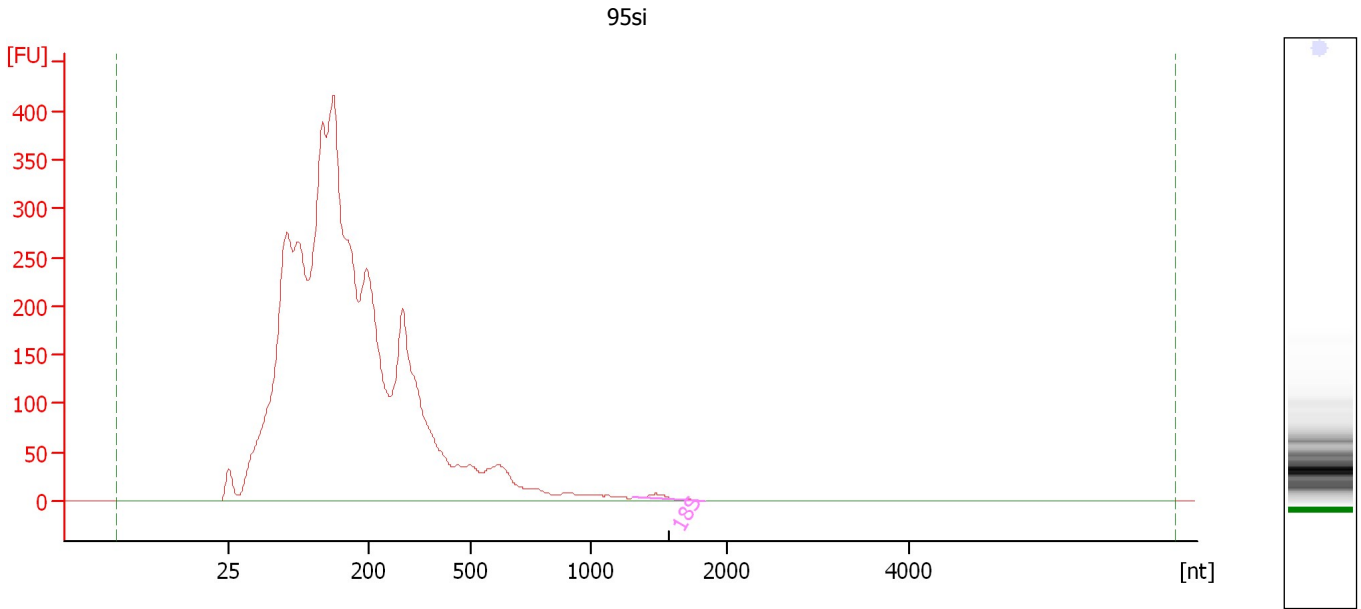
**Fragment table for sample 6 : 95li**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,319	2,222	367.9	13.4
28S	3,004	3,597	7.4	0.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 95si**

RNA Area:	6,320.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	27,666 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: 2.30

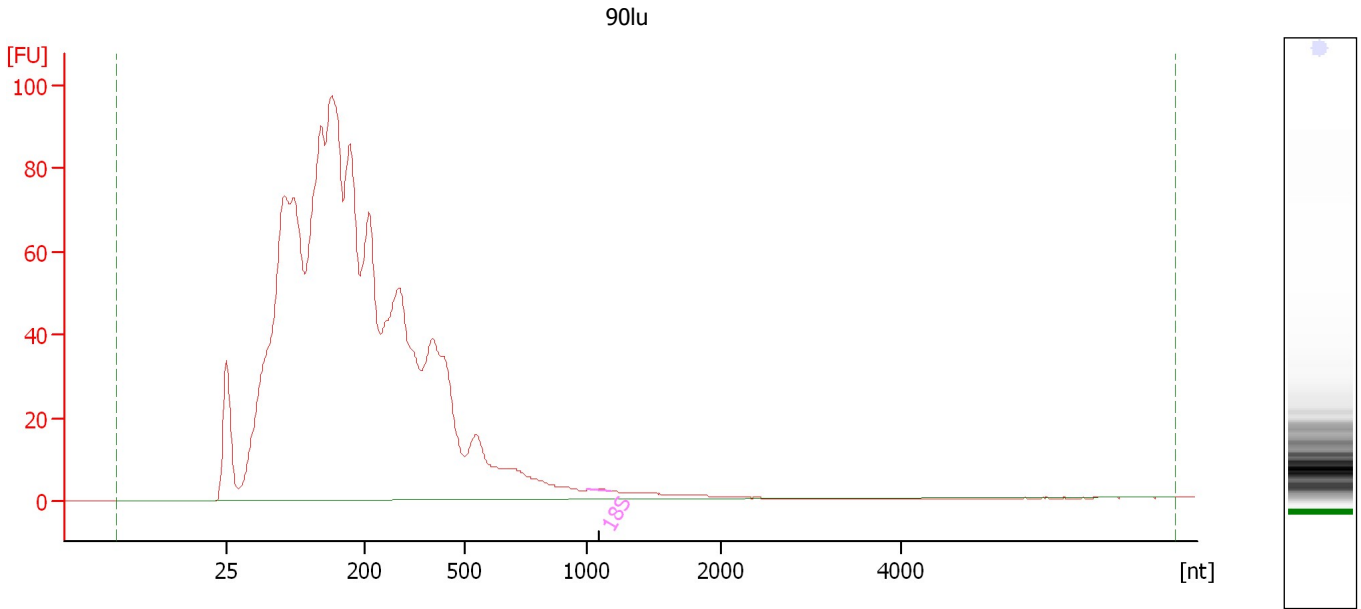
**Fragment table for sample 7 : 95si**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,299	1,842	11.3	0.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 90lu**

RNA Area:	1,877.0	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	8,217 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: 2.30

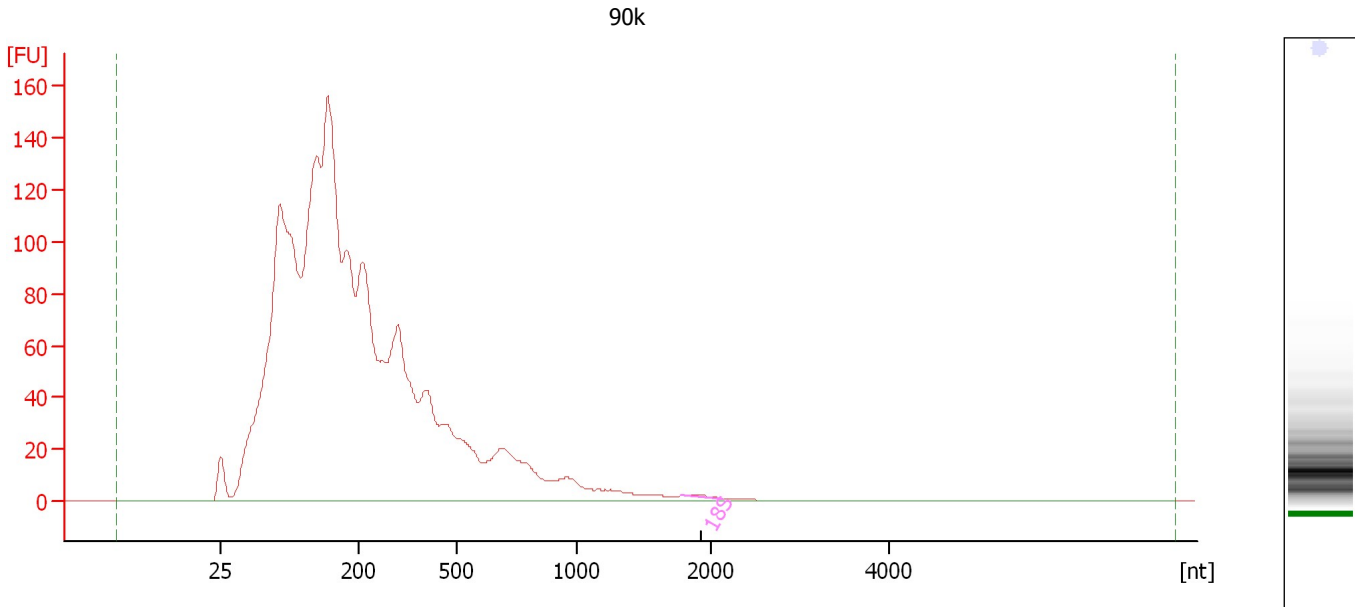
**Fragment table for sample 8 : 90lu**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,008	1,182	0.7	0.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 90k**

RNA Area:	2,704.5	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	11,839 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: 2.20

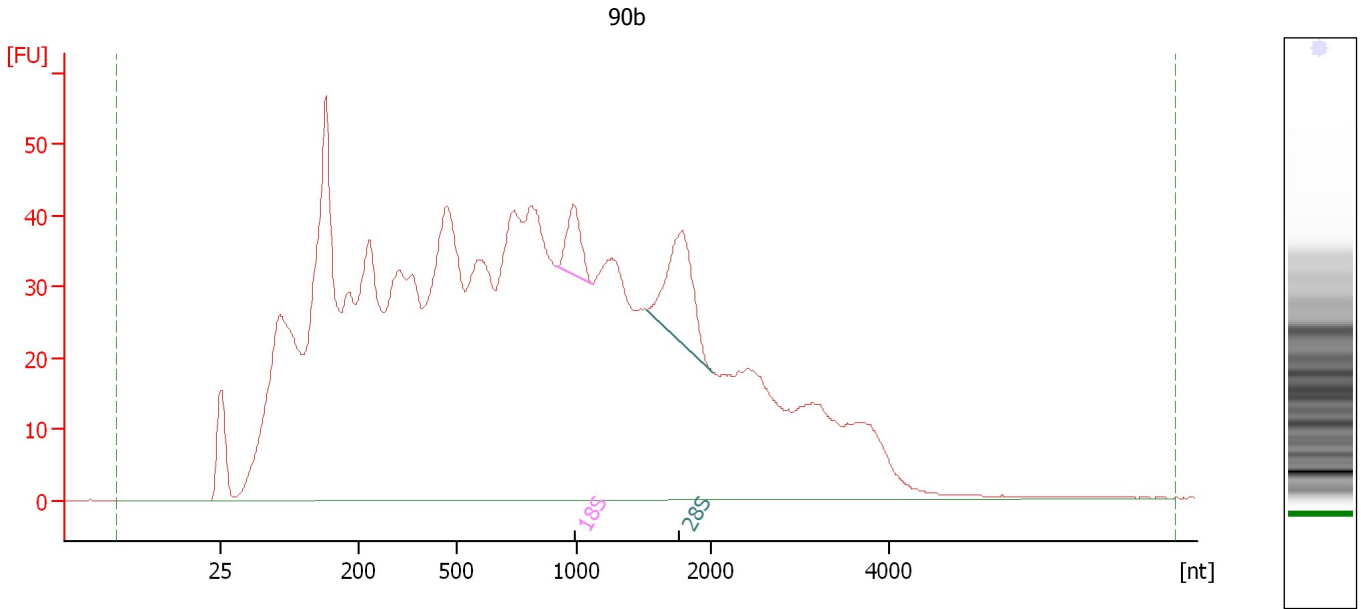
**Fragment table for sample 9 : 90k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,771	2,149	2.1	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 90b**

RNA Area:	2,082.3	RNA Integrity Number (RIN):	2.8 (B.02.08)
RNA Concentration:	9,115 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]:	2.5	Result Flagging Label:	RIN: 2.80

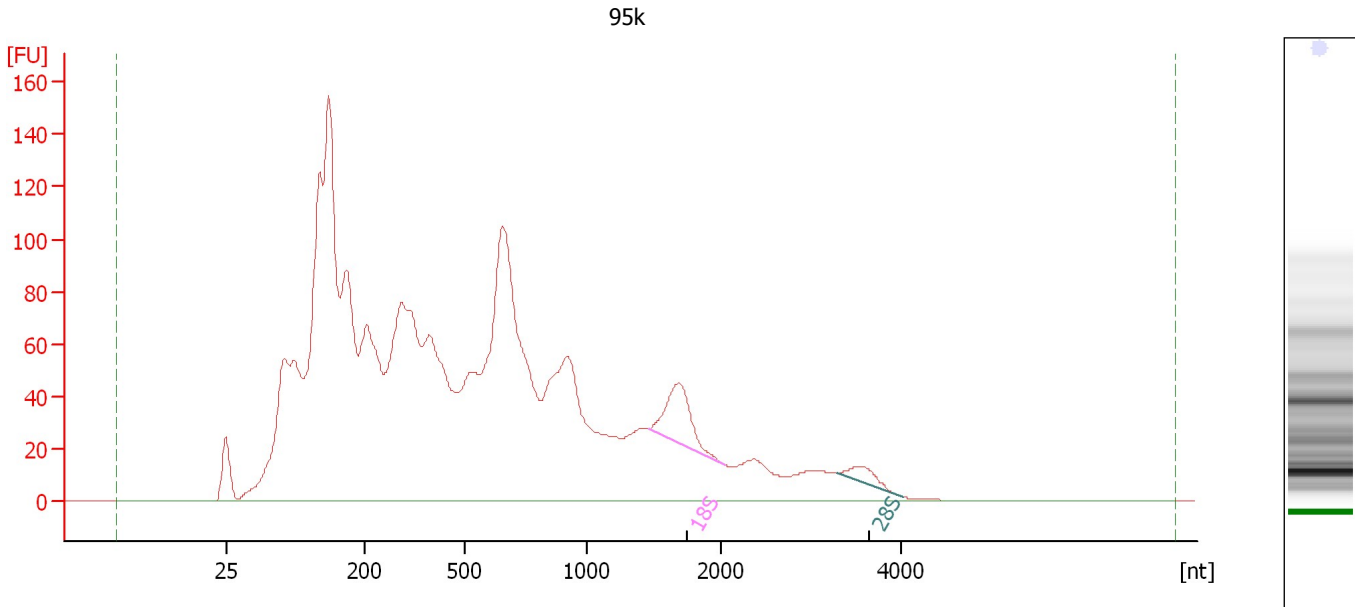
**Fragment table for sample 10 : 90b**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	917	1,116	18.5	0.9
28S	1,523	2,017	46.8	2.2

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 95k**

RNA Area:	3,372.8	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	14,764 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]:	0.2	Result Flagging Label:	RIN: 2.50

**Fragment table for sample 11 : 95k**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,467	2,044	66.0	2.0
28S	3,291	4,027	16.3	0.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-15\2017-08-15\_001.xad

Created: 8/15/2017 9:37:19 AM  
Modified: 8/15/2017 10:00:16 AM

**Gel Image**

