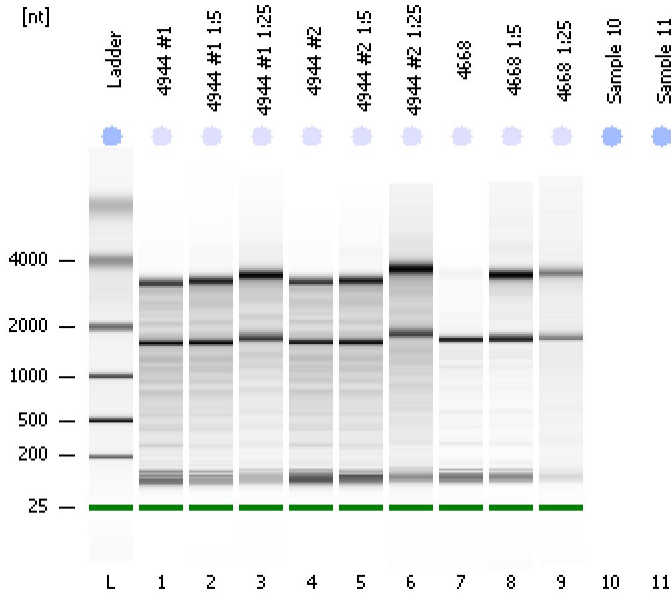


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electrophoresis File Run Summary



Instrument Information:

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

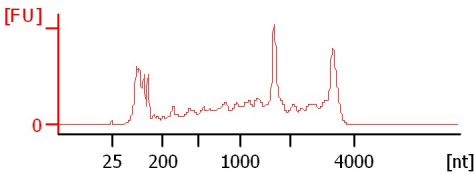
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

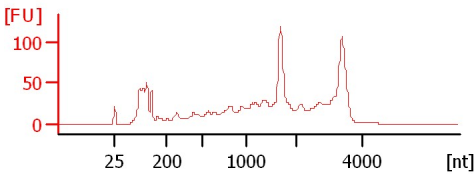
Chip Information:

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

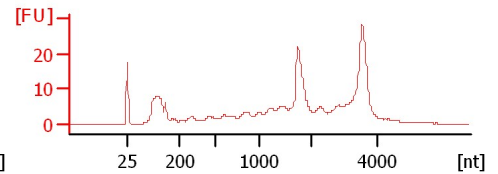
4944 #1
RIN: 6.20



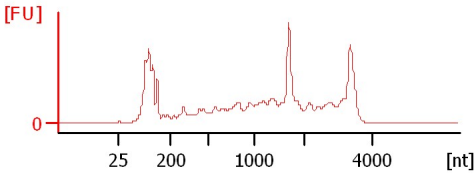
4944 #1 1:5
RIN: 6.70



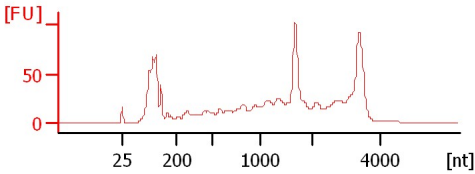
4944 #1 1:2.5
RIN: 7.70



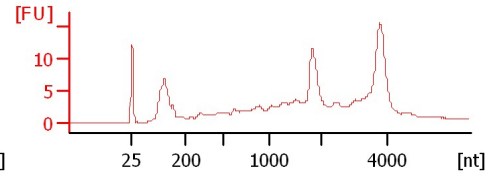
4944 #2
RIN: 6.20



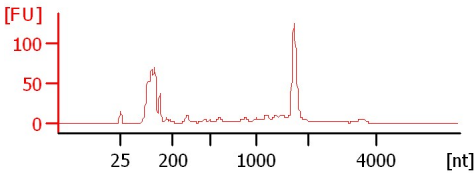
4944 #2 1:5
RIN: 6.60



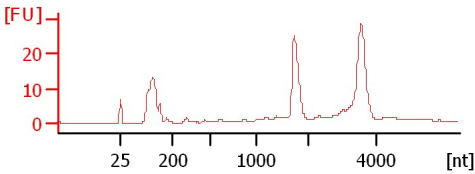
4944 #2 1:2.5
RIN: 7.80



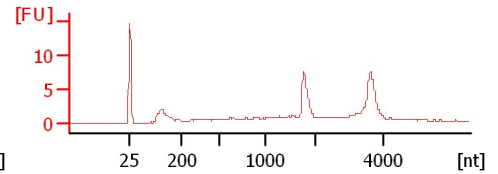
4668
RIN: 6.90



4668 1:5
RIN: 9.30



4668 1:2.5
RIN: 8



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
 Modified: 8/21/2017 5:00:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4944 #1		✓	RIN: 6.20	
4944 #1 1:5		✓	RIN: 6.70	
4944 #1 1:25		✓	RIN: 7.70	
4944 #2		✓	RIN: 6.20	
4944 #2 1:5		✓	RIN: 6.60	
4944 #2 1:25		✓	RIN: 7.80	
4668		✓	RIN: 6.90	
4668 1:5		✓	RIN: 9.30	
4668 1:25		✓	RIN:8	
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 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/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ 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

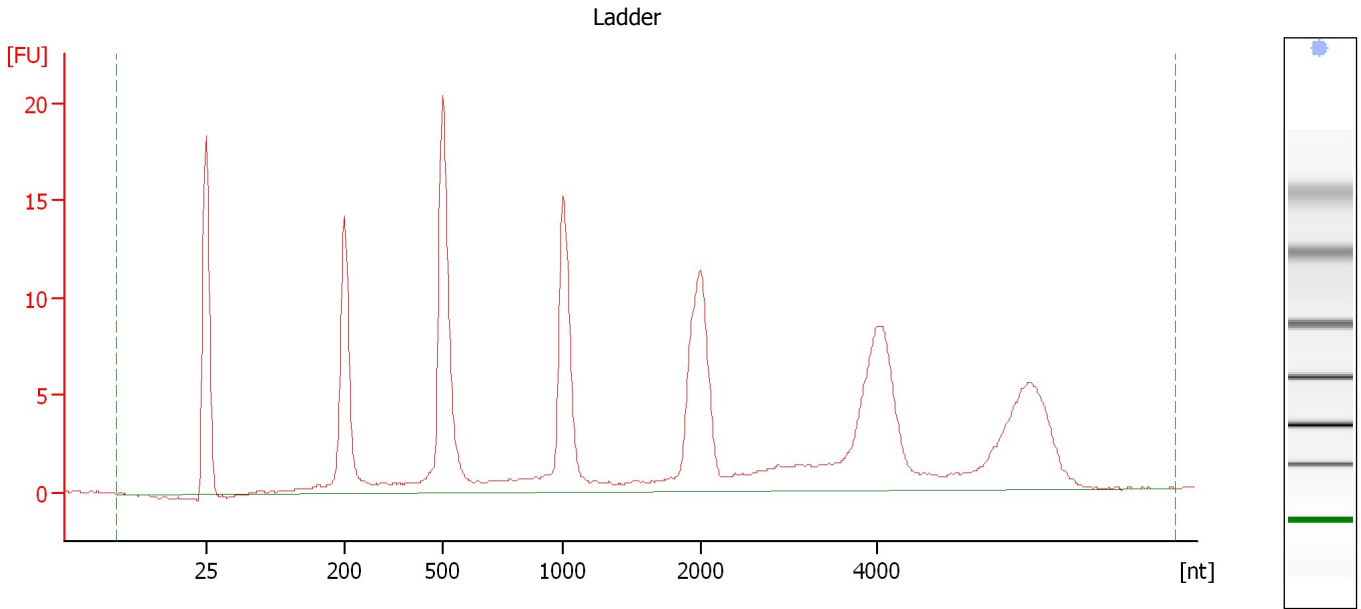
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary



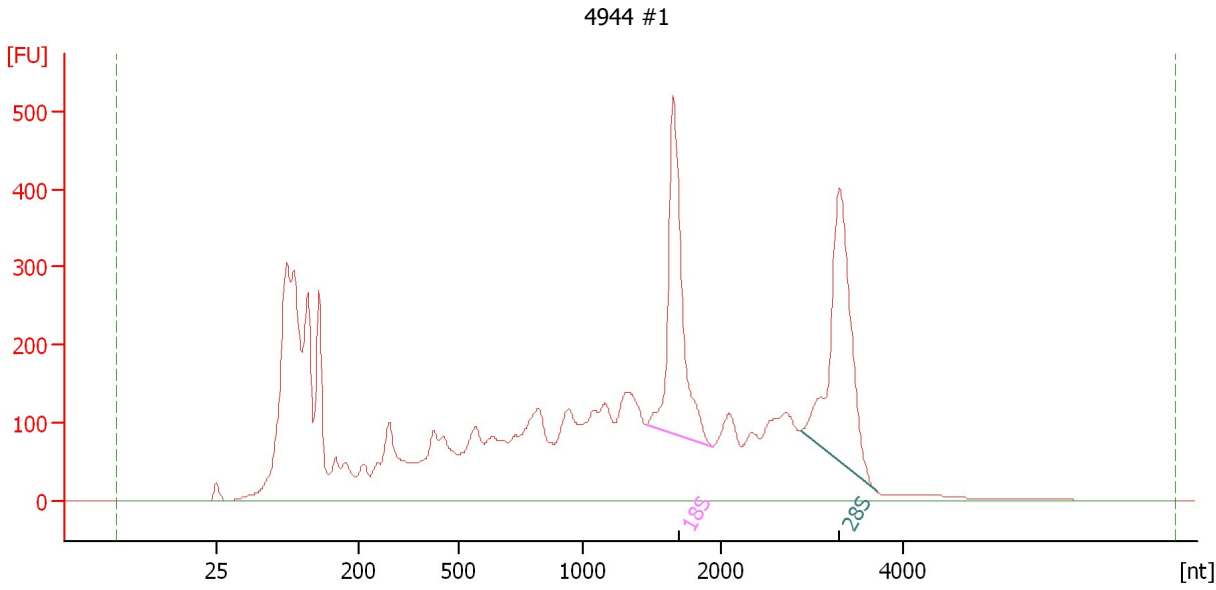
Overall Results for Ladder

RNA Area:	186.8	Result Flagging Color:	
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\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 4944 #1

RNA Area:	8,251.9	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	44,167 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.20

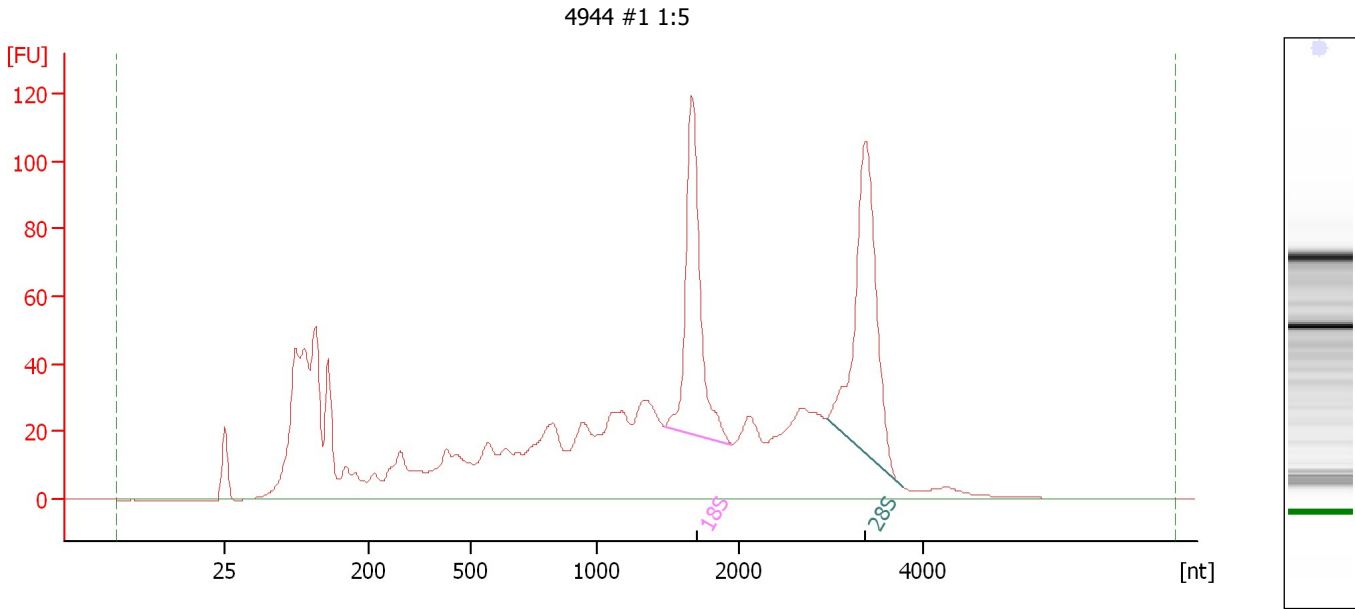
Fragment table for sample 1 : 4944 #1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,458	1,932	689.4	8.4
28S	2,875	3,713	739.2	9.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 4944 #1 1:5

RNA Area: 1,682.1 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 9,003 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 6.70

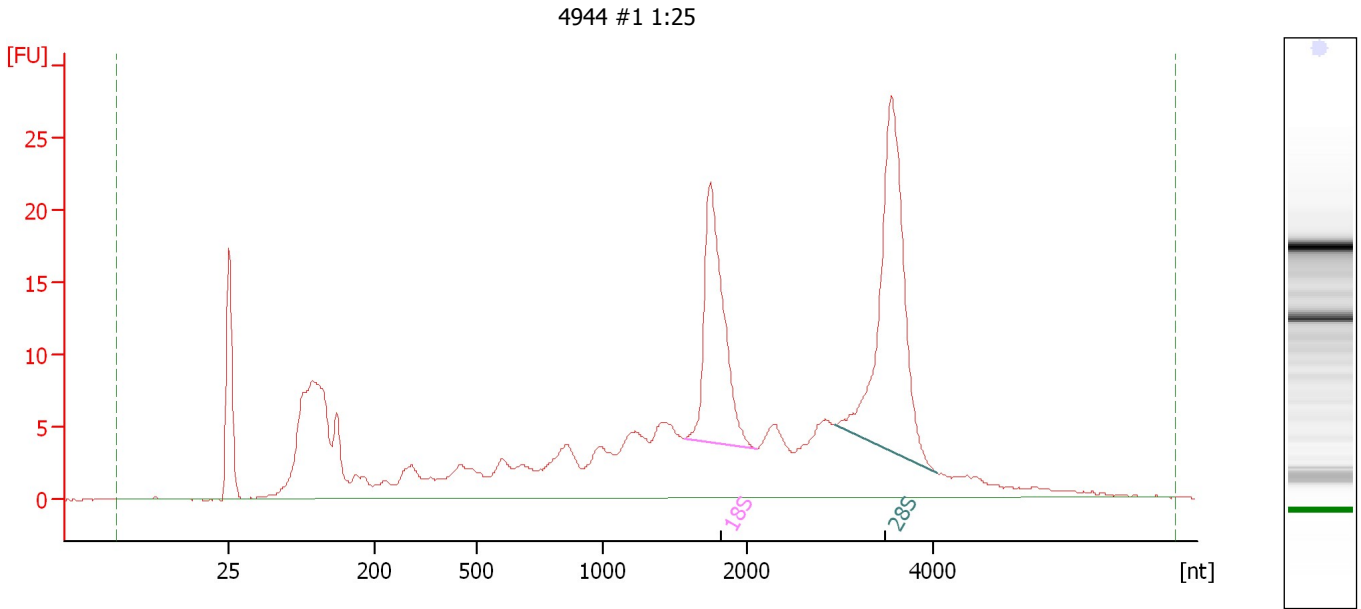
Fragment table for sample 2 : 4944 #1 1:5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,476	1,950	164.0	9.8
28S	2,956	3,780	194.5	11.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 4944 #1 1:25

RNA Area: 347.6 RNA Integrity Number (RIN): 7.7 (B.02.08)
RNA Concentration: 1,860 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 7.70

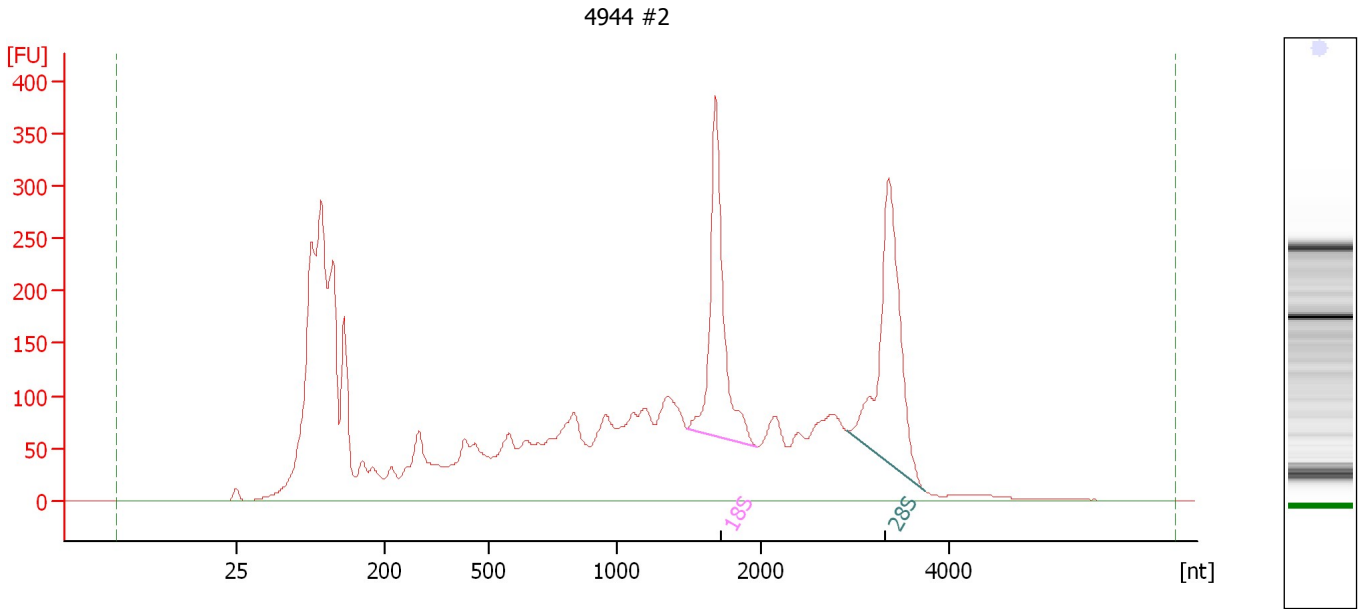
Fragment table for sample 3 : 4944 #1 1:25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	2,097	38.7	11.1
28S	2,949	4,054	57.3	16.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4944 #2

RNA Area: 6,056.6 RNA Integrity Number (RIN): 6.2 (B.02.08)
RNA Concentration: 32,417 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 6.20

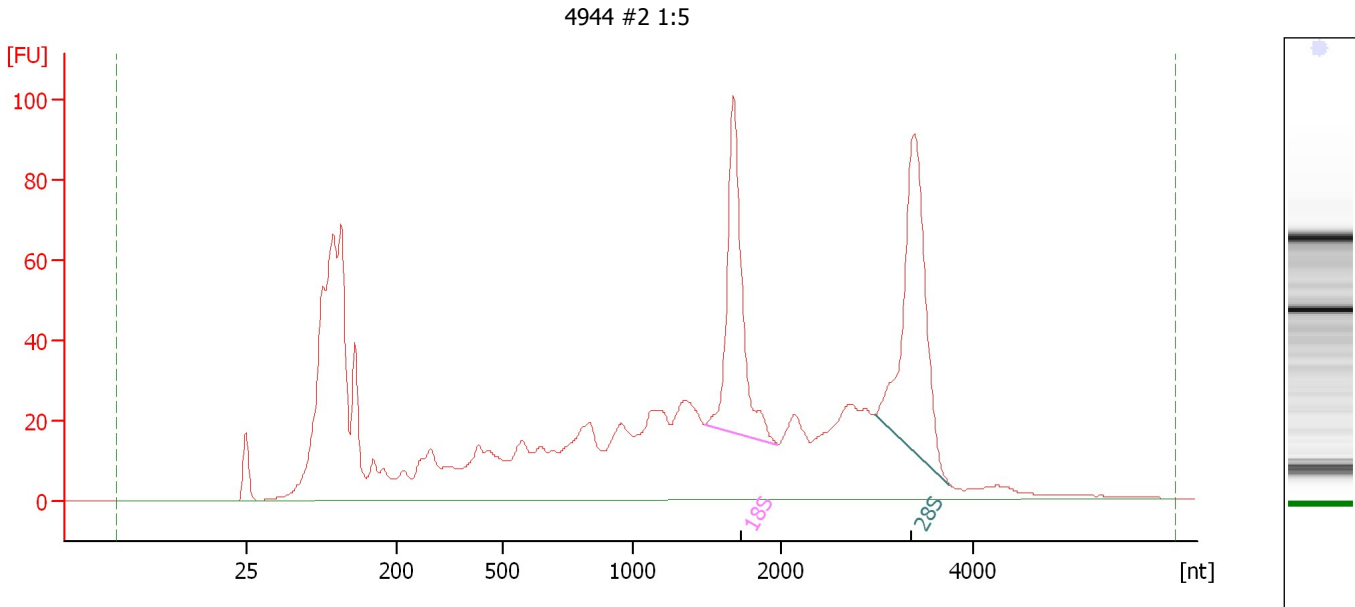
Fragment table for sample 4 : 4944 #2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	1,967	476.3	7.9
28S	2,915	3,743	534.6	8.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 4944 #2 1:5

RNA Area: 1,573.2 RNA Integrity Number (RIN): 6.6 (B.02.08)
RNA Concentration: 8,420 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 6.60

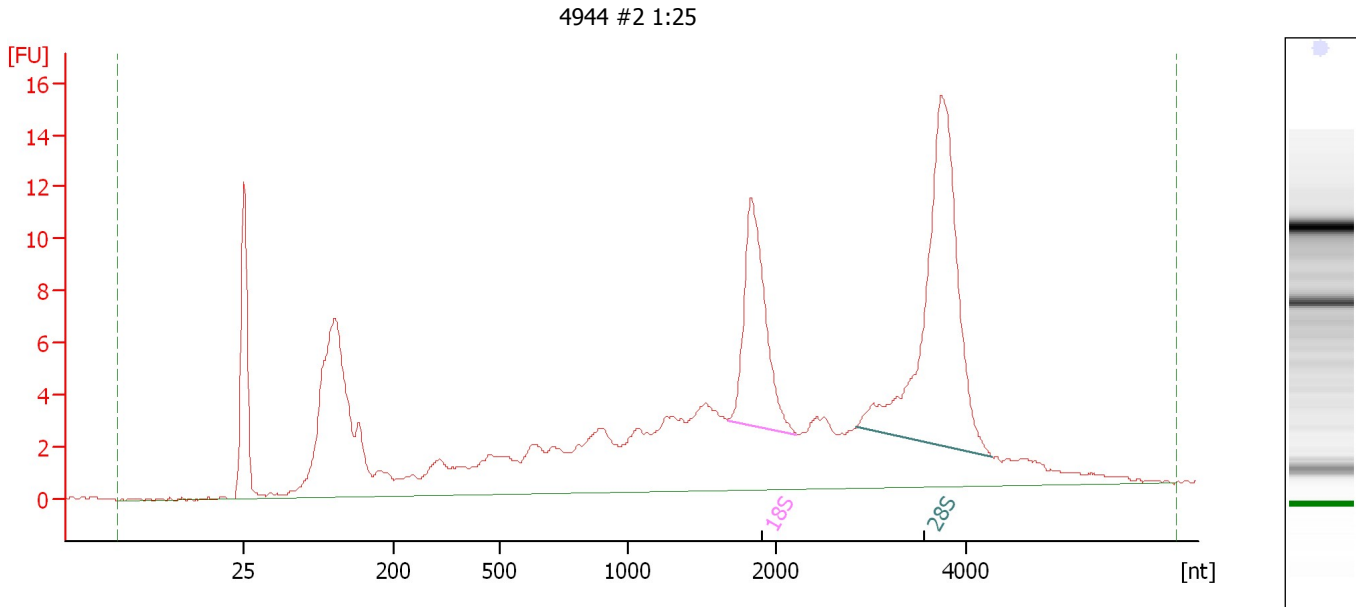
Fragment table for sample 5 : 4944 #2 1:5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,492	1,976	137.6	8.7
28S	2,979	3,759	165.6	10.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
 Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 4944 #2 1:25

RNA Area:	224.4	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,201 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 7.80

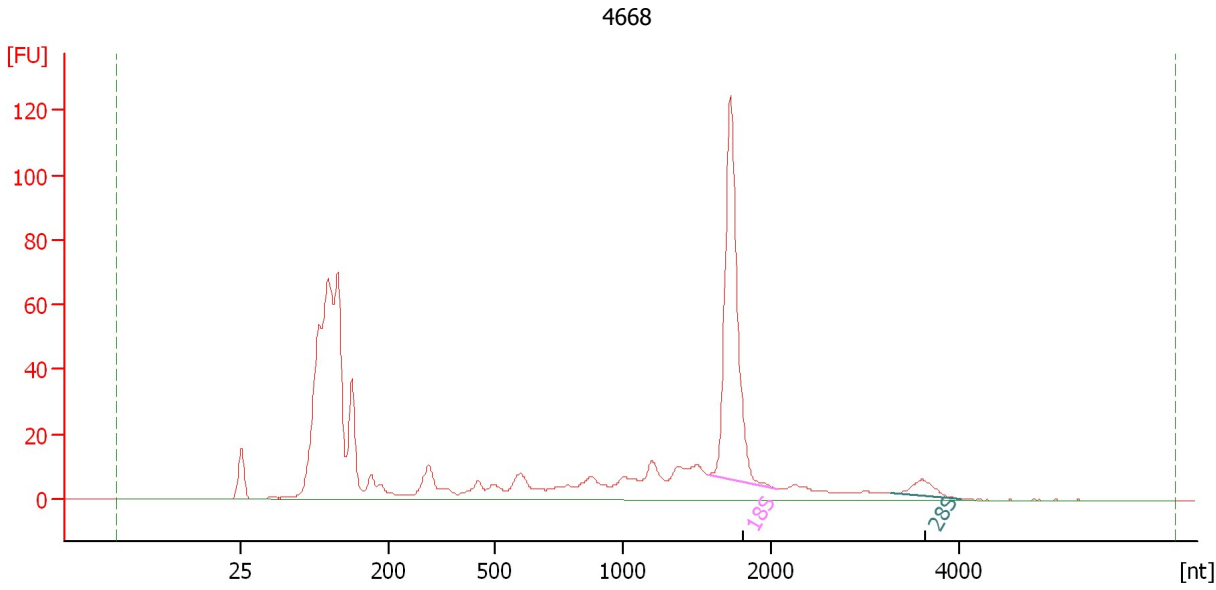
Fragment table for sample 6 : 4944 #2 1:25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	2,221	20.1	8.9
28S	2,849	4,274	41.4	18.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
 Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 4668

RNA Area:	810.6	RNA Integrity Number (RIN):	6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	4,339 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 6.90

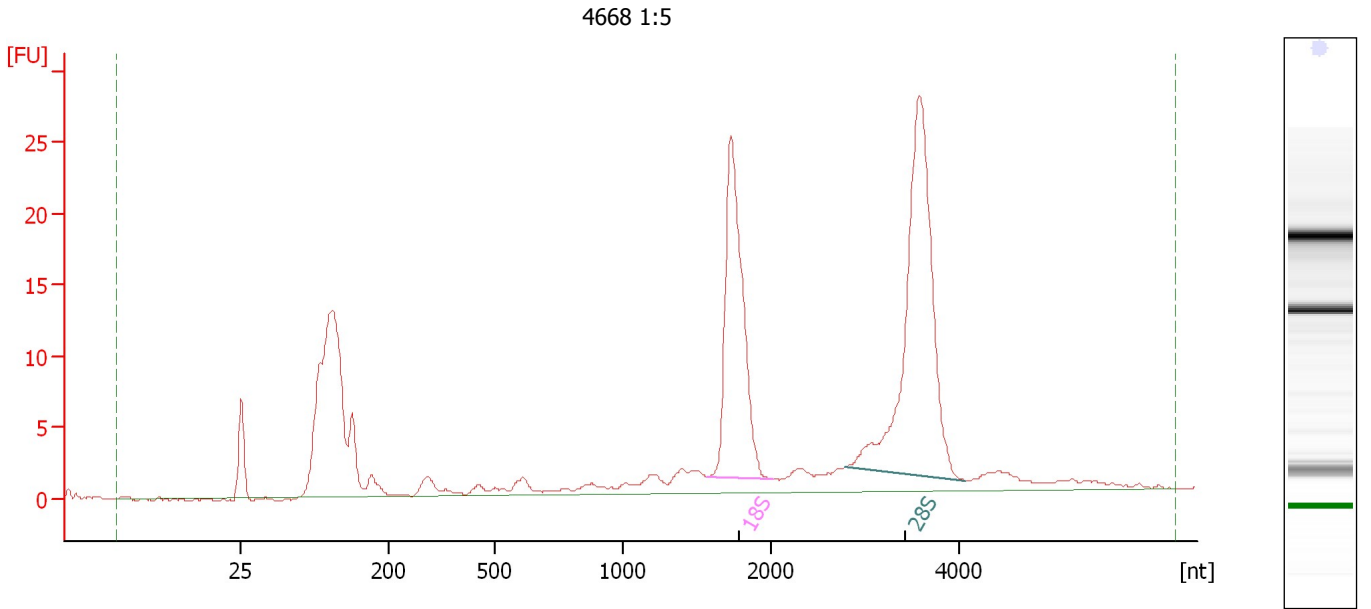
Fragment table for sample 7 : 4668

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	2,064	162.5	20.1
28S	3,269	4,012	10.7	1.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 4668 1:5

RNA Area:	236.8	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	1,267 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.30

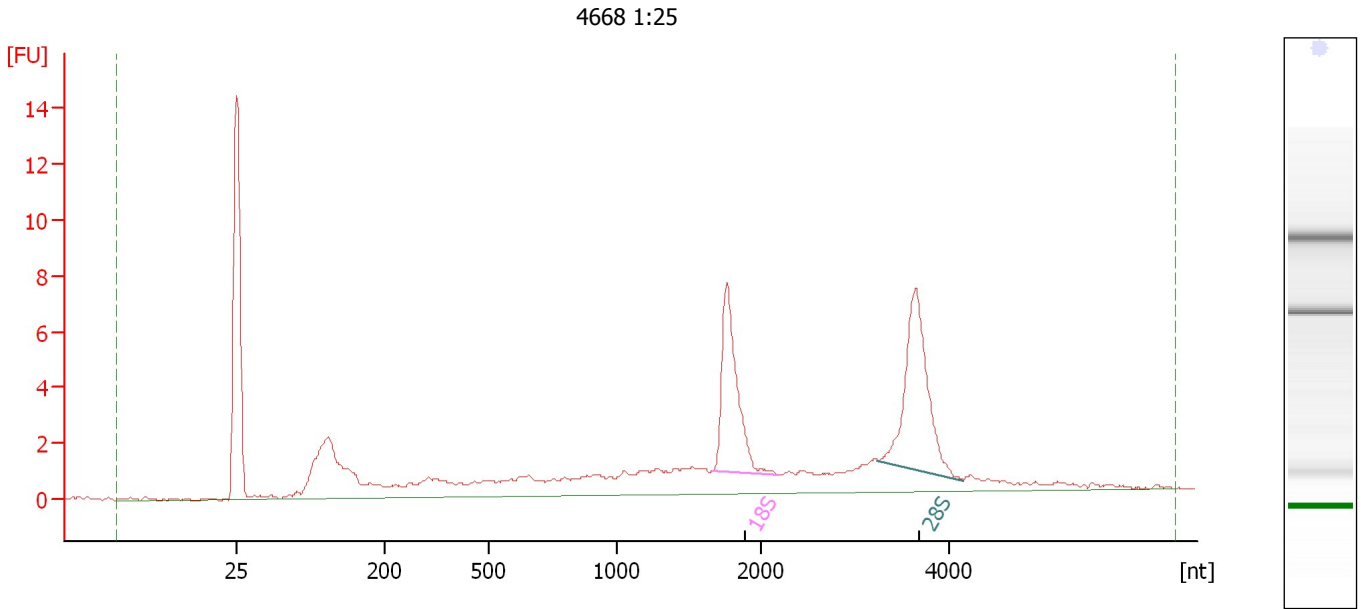
Fragment table for sample 8 : 4668 1:5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	2,019	45.8	19.3
28S	2,796	4,046	67.0	28.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4668 1:25

RNA Area: 83.6 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 448 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:8

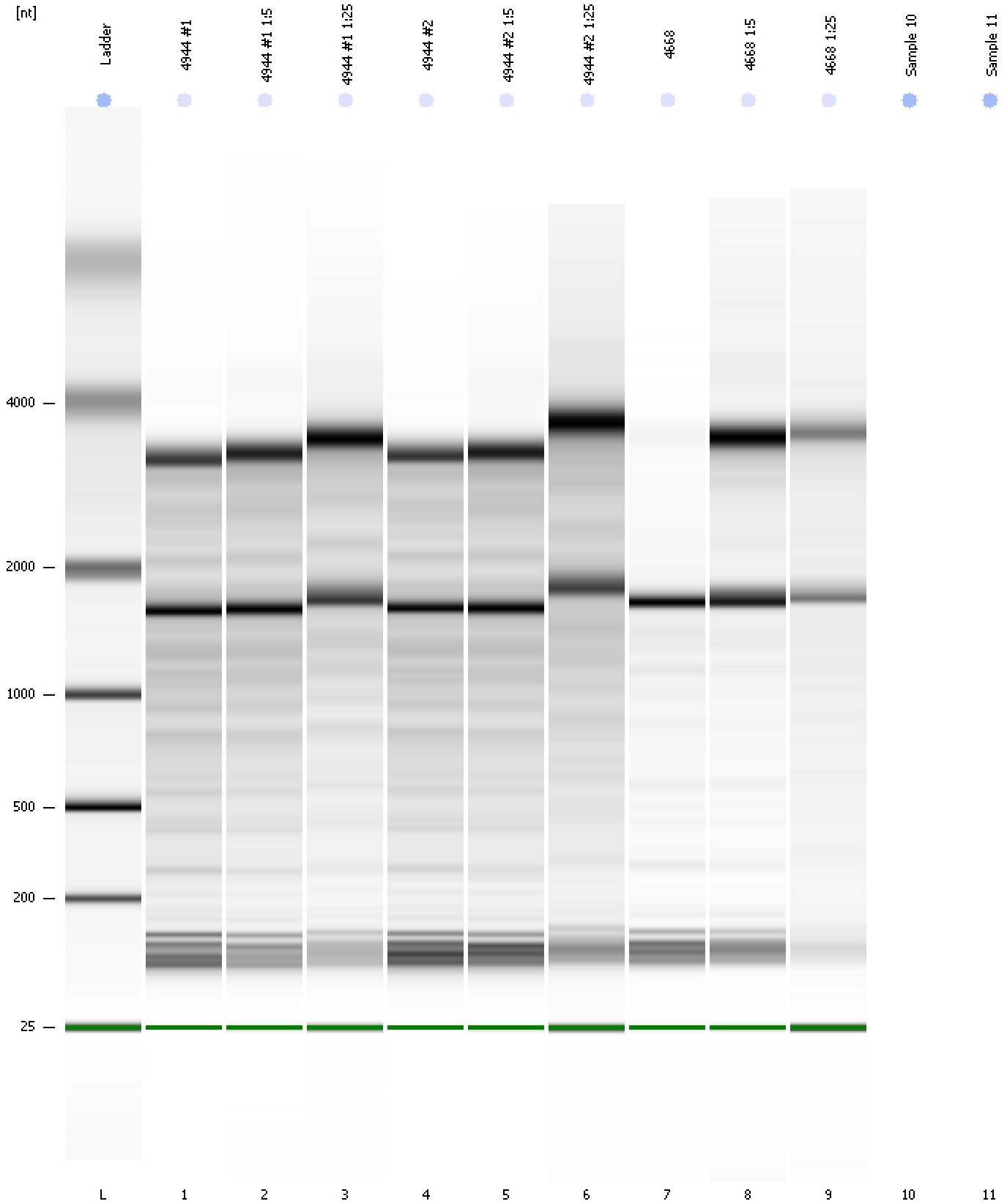
Fragment table for sample 9 : 4668 1:25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,658	2,188	11.3	13.6
28S	3,232	4,141	13.5	16.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 5:00:00 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.