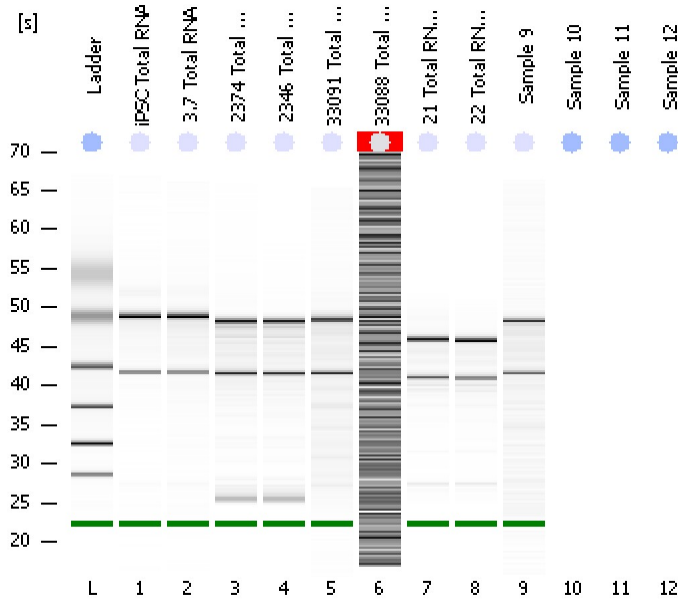


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electrophoresis File Run Summary

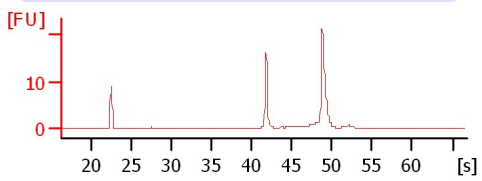


Instrument Information:
 Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

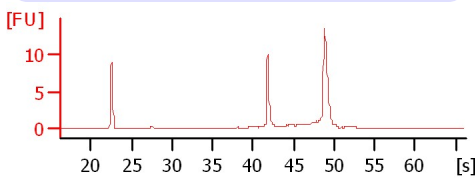
Assay Information:
 Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
 Assay Class: Eukaryote Total RNA Nano
 Version: 2.6
 Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

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

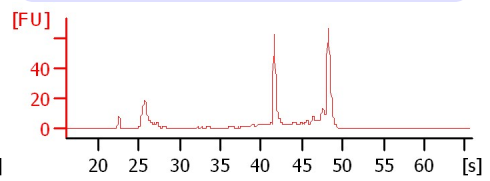
ipSC Total RNA
RIN: 10



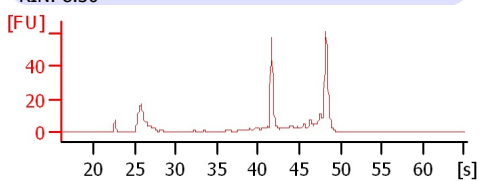
3.7 Total RNA
RIN: 9.70



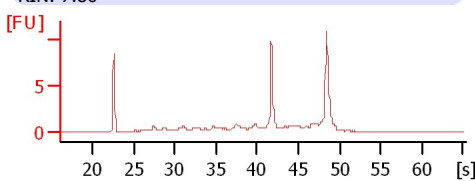
2374 Total RNA 1:3
RIN: 8.20



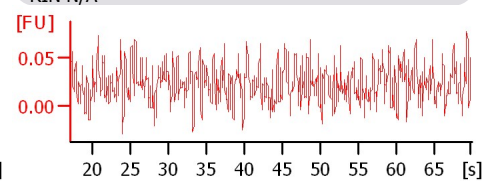
2346 Total RNA 1:3
RIN: 8.30



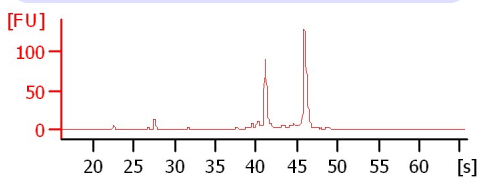
33091 Total RNA
RIN: 7.80



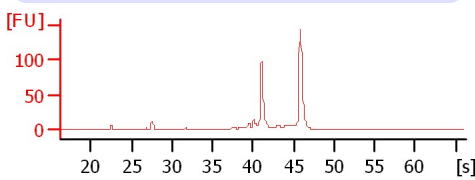
33088 Total RNA
RIN N/A



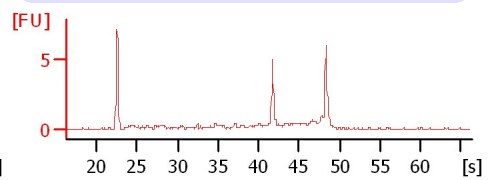
21 Total RNA 1:3
RIN: 9.10



22 Total RNA 1:3
RIN: 8.80



Sample 9
RIN: 7.90



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
iPSC Total RNA		✓	RIN:10	
3.7 Total RNA		✓	RIN: 9.70	
2374 Total RNA 1:3		✓	RIN: 8.20	
2346 Total RNA 1:3		✓	RIN: 8.30	
33091 Total RNA		✓	RIN: 7.80	
33088 Total RNA		✓	RIN N/A	
21 Total RNA 1:3		✓	RIN: 9.10	
22 Total RNA 1:3		✓	RIN: 8.80	
Sample 9		✓	RIN: 7.90	
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

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

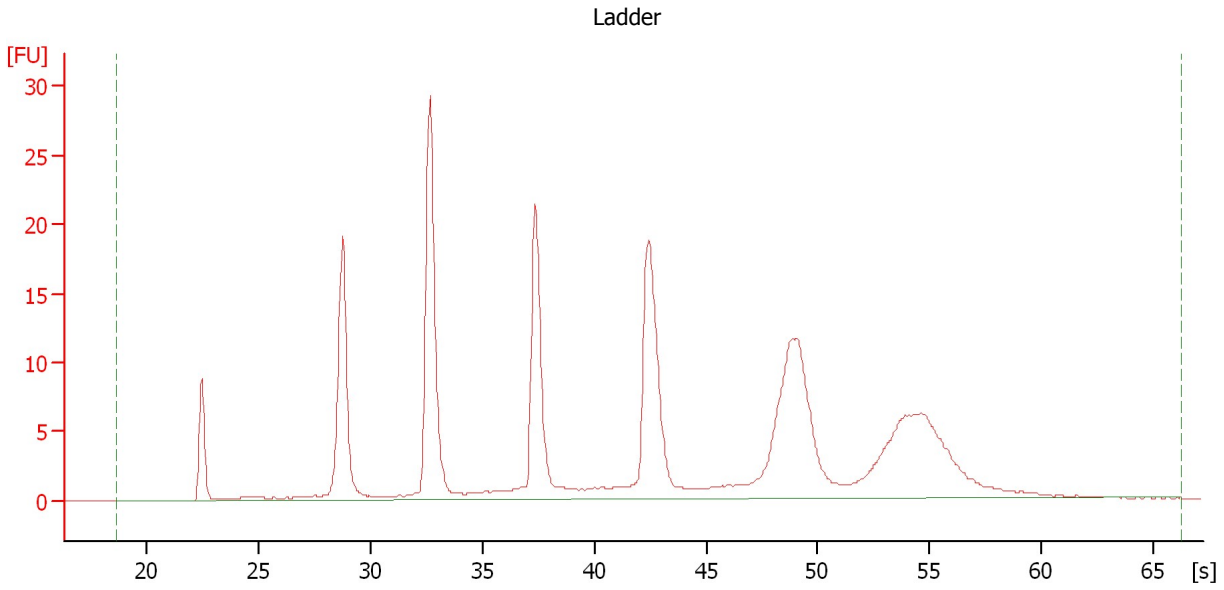
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary



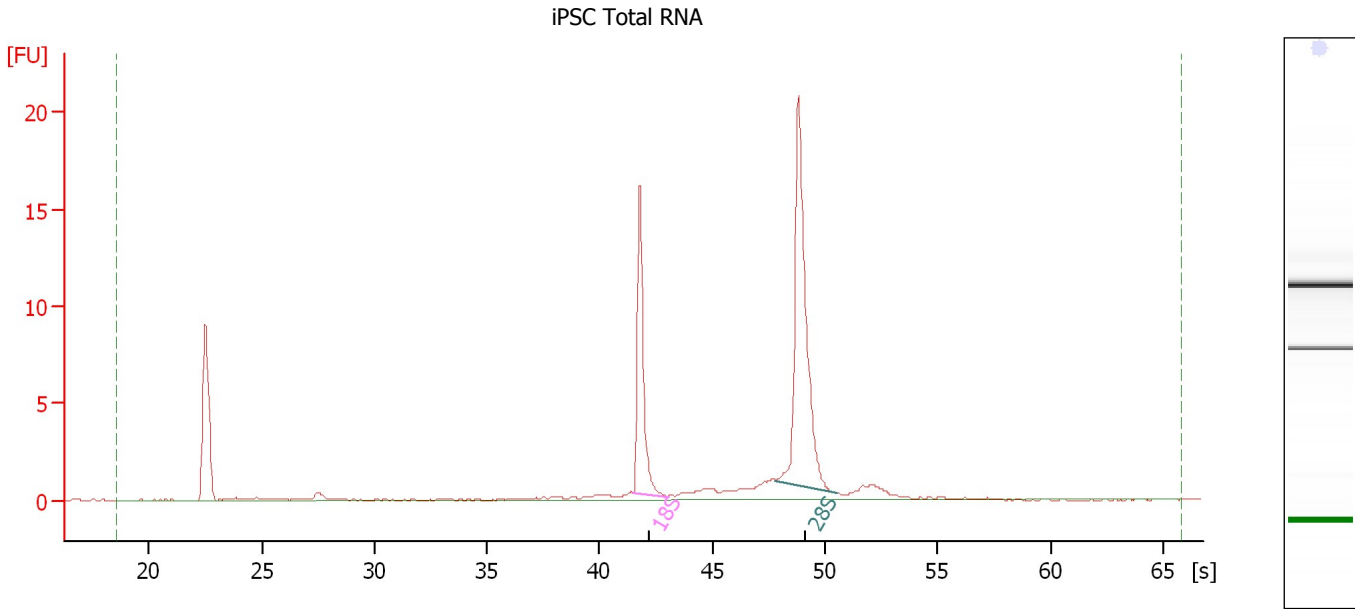
Overall Results for Ladder

RNA Area:	241.3	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : iPSC Total RNA

RNA Area: 54.5 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 34 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:10

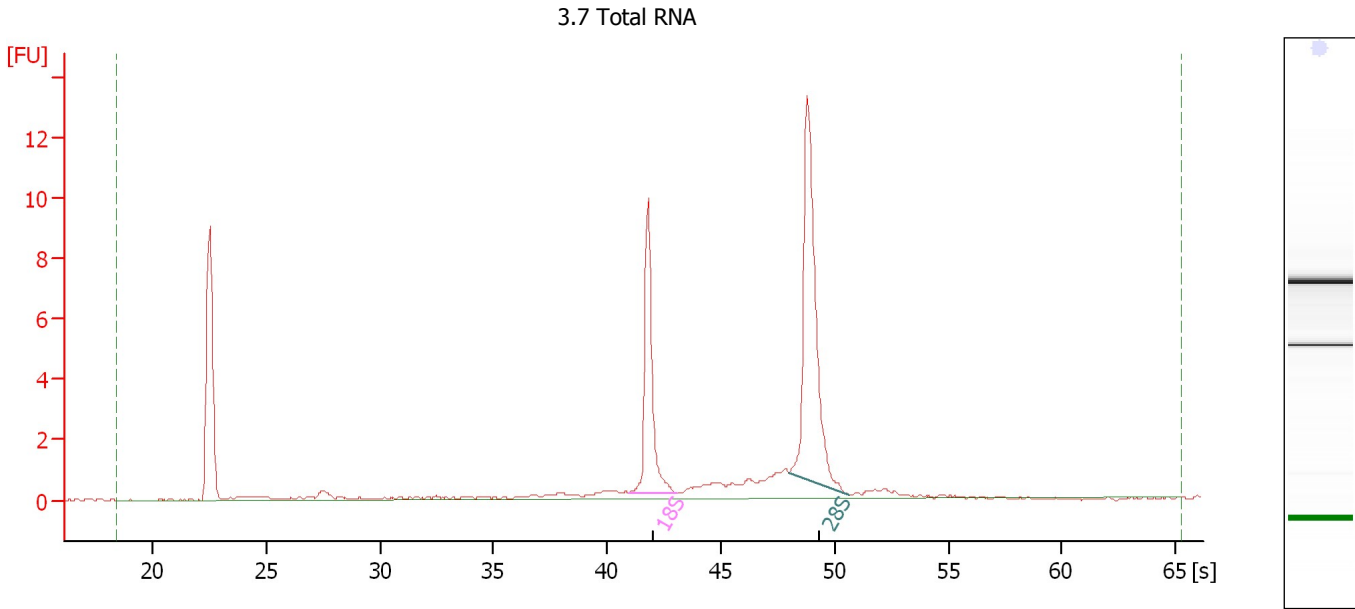
Fragment table for sample 1 : iPSC Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,814	2,179	12.1	22.3
28S	3,644	4,470	23.1	42.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 3.7 Total RNA

RNA Area: 41.3 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 26 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.70

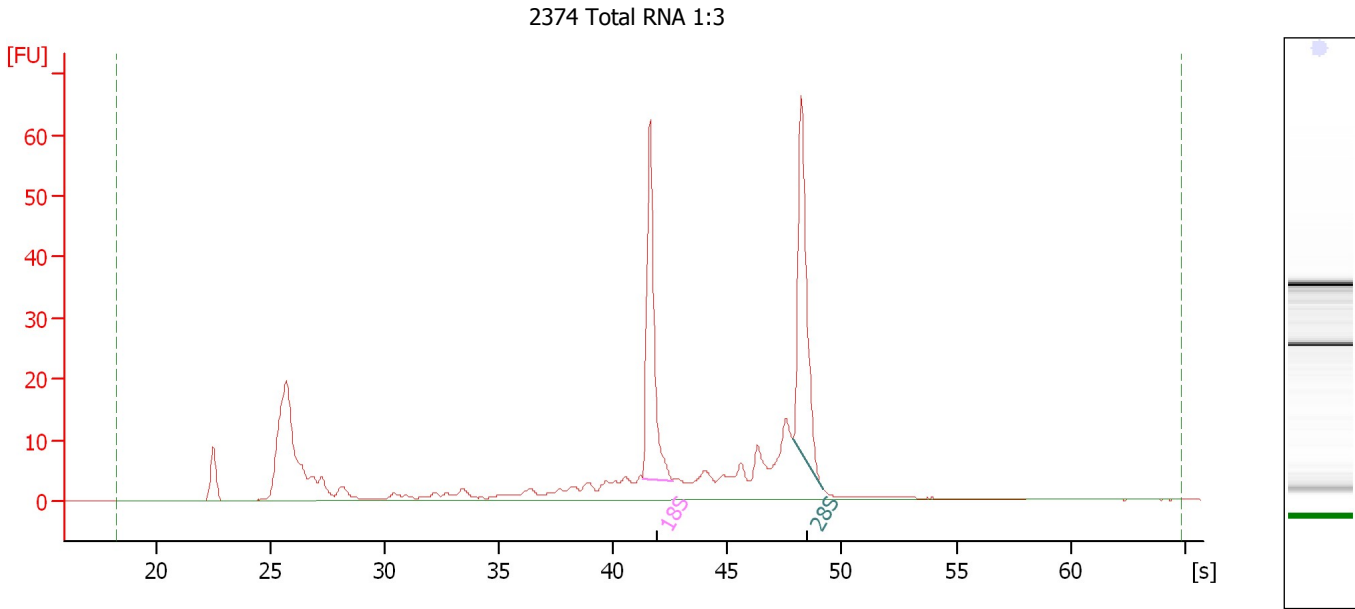
Fragment table for sample 2 : 3.7 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,198	8.3	20.0
28S	3,694	4,500	15.3	37.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 2374 Total RNA 1:3

RNA Area: 325.1 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 202 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.20

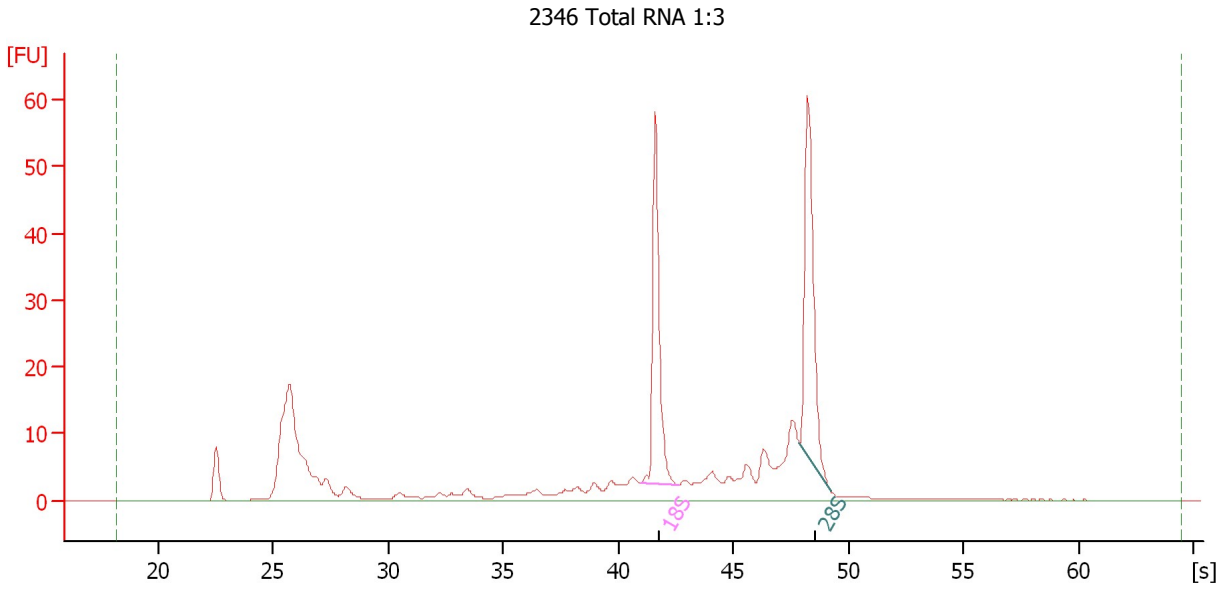
Fragment table for sample 3 : 2374 Total RNA 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,777	2,059	50.5	15.5
28S	3,660	4,060	53.9	16.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2346 Total RNA 1:3

RNA Area: 289.4 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 180 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 8.30

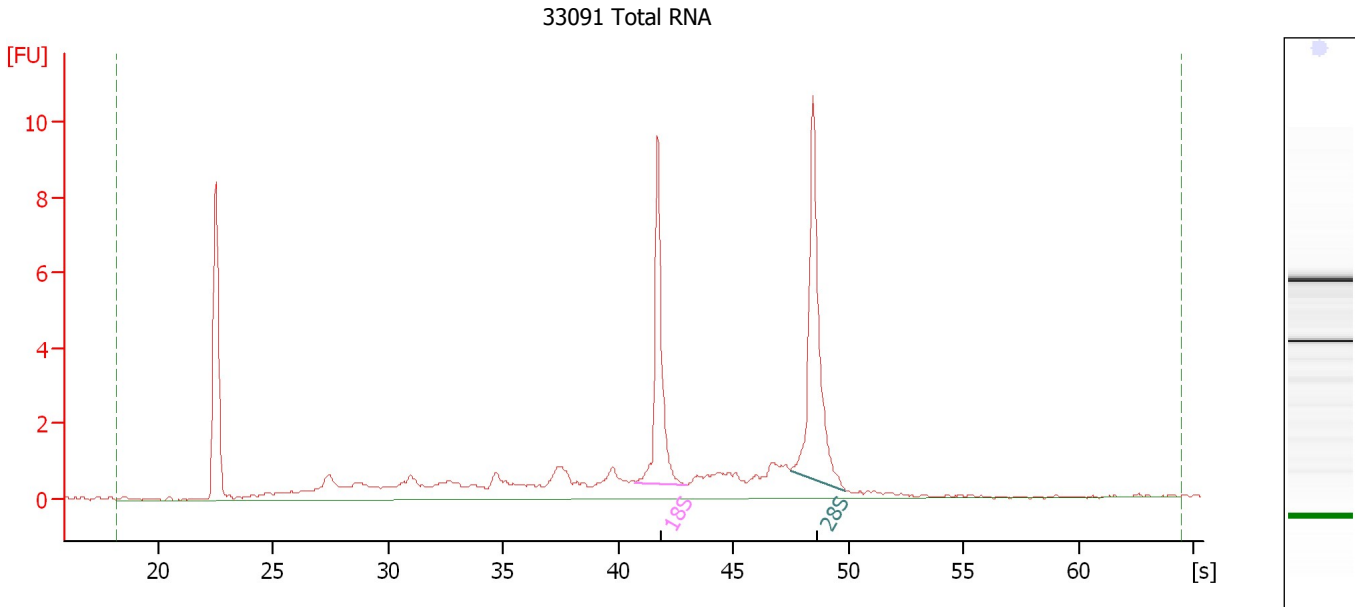
Fragment table for sample 4 : 2346 Total RNA 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,049	45.7	15.8
28S	3,654	4,066	47.5	16.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
 Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 33091 Total RNA

RNA Area:	49.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	31 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.80

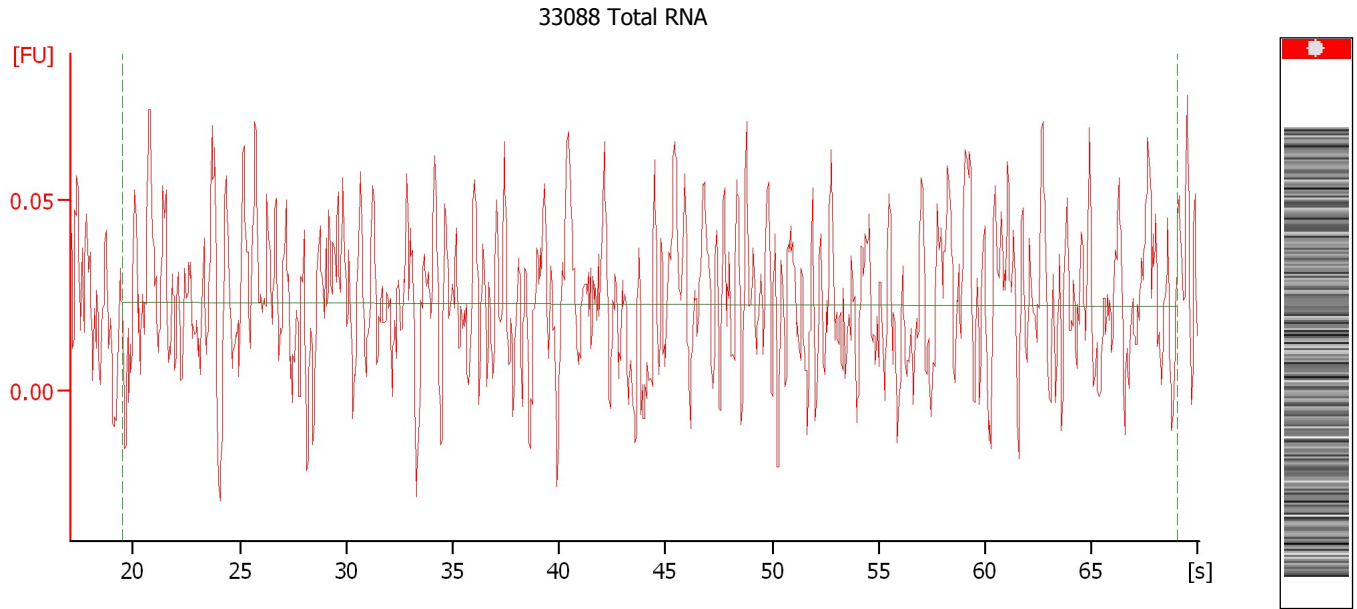
Fragment table for sample 5 : 33091 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	2,177	7.7	15.4
28S	3,541	4,265	10.4	20.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



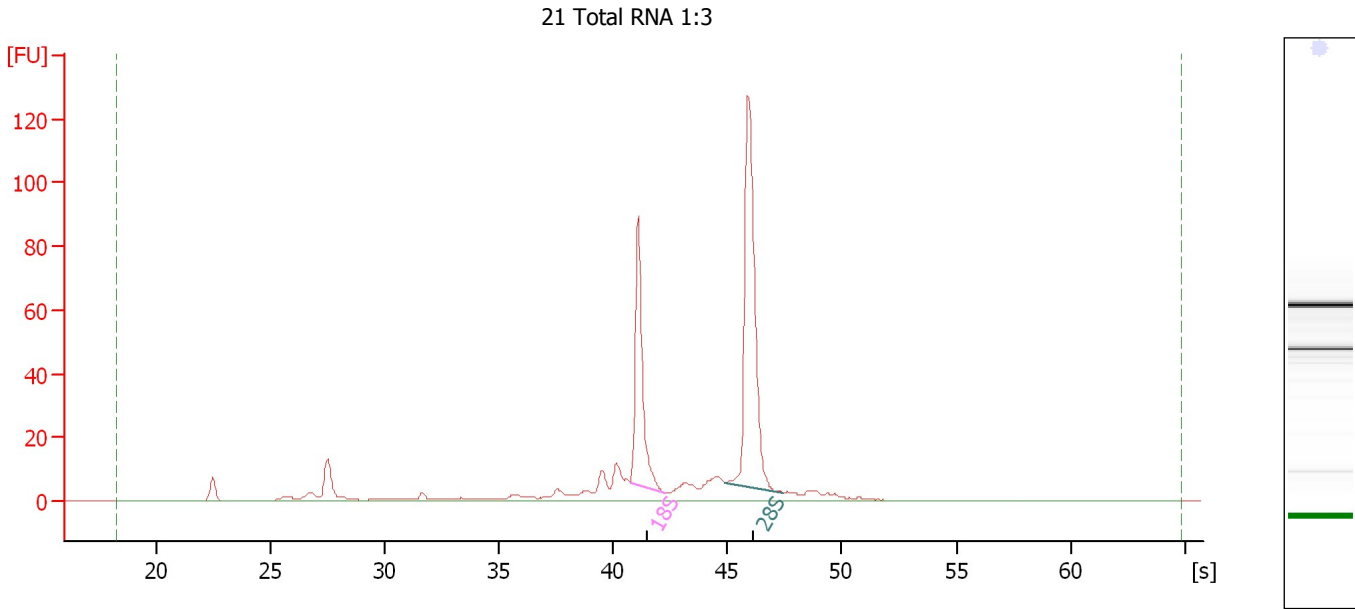
Overall Results for sample 6 : 33088 Total RNA

RNA Concentration:	1 ng/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 21 Total RNA 1:3

RNA Area: 383.6 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 238 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.10

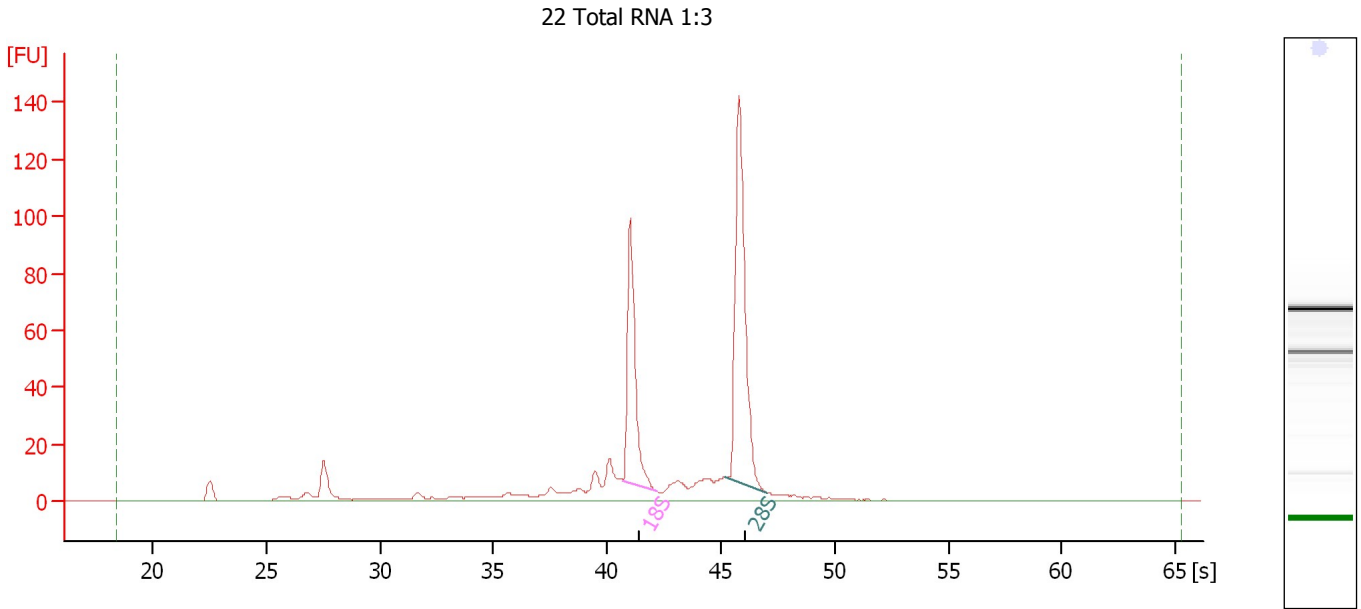
Fragment table for sample 7 : 21 Total RNA 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	1,964	75.3	19.6
28S	2,759	3,531	133.4	34.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 22 Total RNA 1:3

RNA Area: 439.0 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 273 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.80

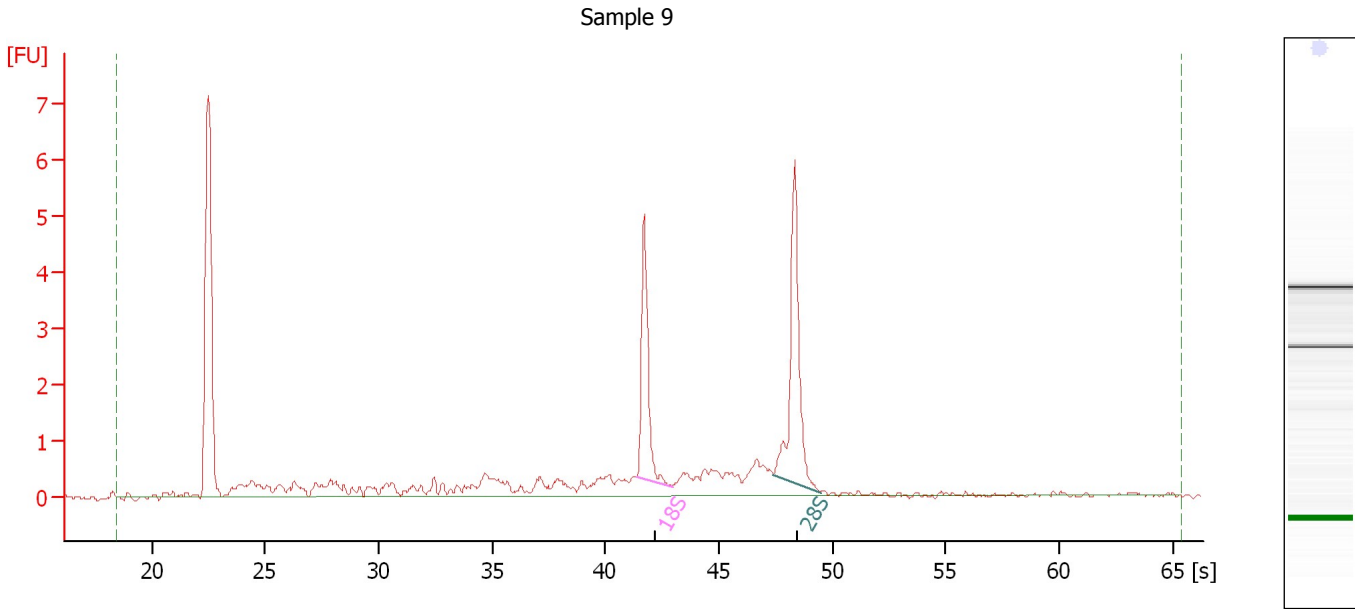
Fragment table for sample 8 : 22 Total RNA 1:3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	1,951	85.2	19.4
28S	2,845	3,406	145.4	33.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	25.4	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	16 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.90

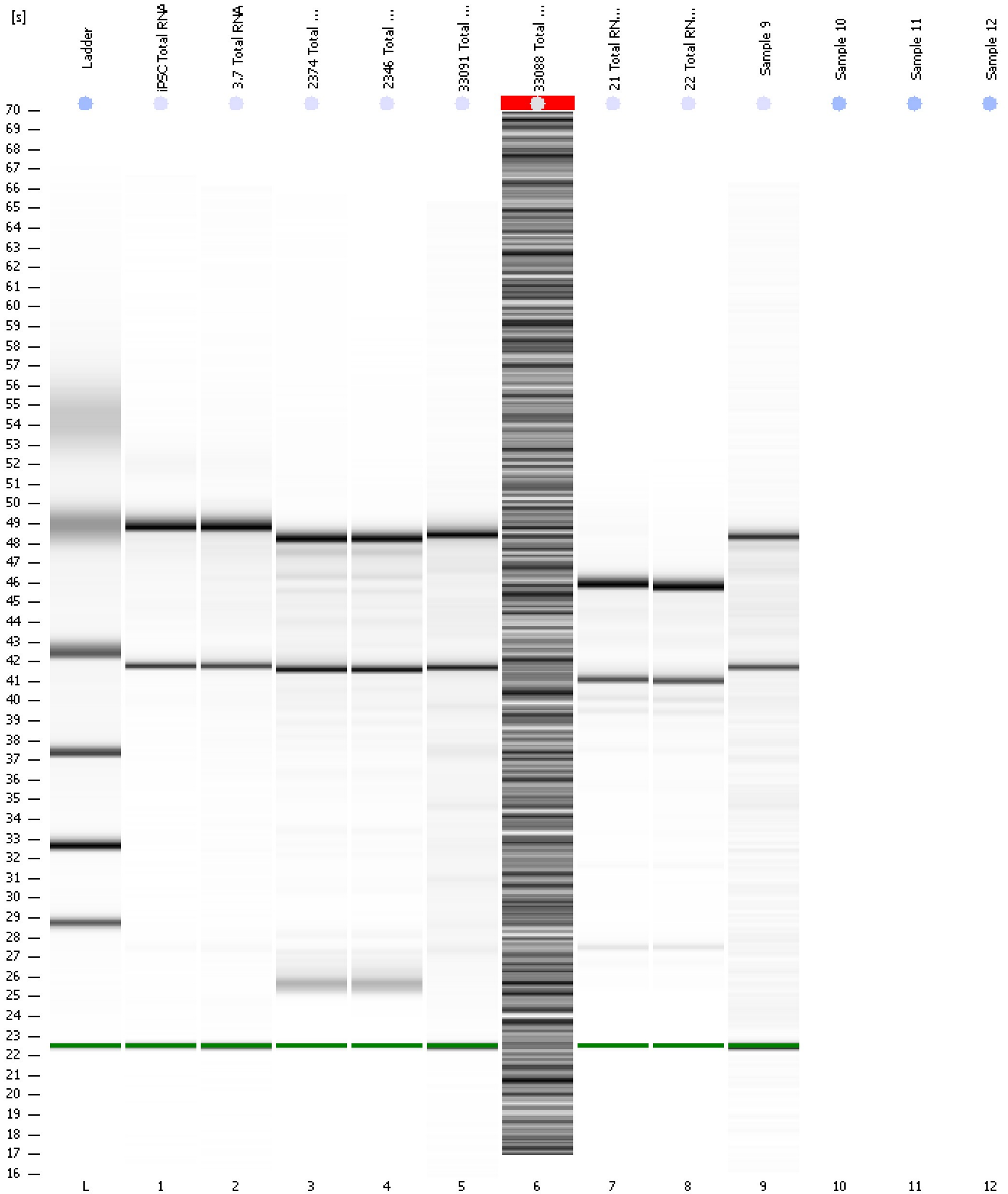
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,790	2,168	3.6	14.1
28S	3,523	4,157	5.0	19.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-25\2013-10-25_003.xad

Created: 10/25/2013 2:05:28 PM
Modified: 10/25/2013 2:28:40 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.