

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025299.D
 Acq On : 18 Dec 2016 7:19
 Operator : UM/SJ
 Sample : H5970-17DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA856DL

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:55:36 AM

Quant Time: Dec 19 04:53:09 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 19 04:41:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	64481	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	268750	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	205451	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	470354	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	598918	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	605711	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	2014	1.61	ng/uL	0.00
5) Phenol-d5	7.40	99	49183	8.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	37887	11.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	39810	10.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	34651	7.45	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	20636	10.84	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	25863	10.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	43532	9.54	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	26263	5.86	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	173013	12.24	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	185496	11.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.10	143	14009	5.77	ng/ul	0.01
57) Fluorene-d10	15.85	176	160788	12.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.00	200	5207	1.79	ng/ul	0.03
70) Anthracene-d10	17.70	188	244245	12.30	ng/ul	0.00
76) Pyrene-d10	19.97	212	343312	13.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	344472	14.04	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.43	94	9353	1.64	ng/ul#	93
44) Dimethylphthalate	14.29	163	83157	5.99	ng/ul	98
69) Phenanthrene	17.64	178	33819	1.51	ng/ul	95
74) Fluoranthene	19.64	202	80117	3.00	ng/ul#	95
77) Pyrene	20.00	202	125991	4.38	ng/ul	99
80) Benzo(a)anthracene	21.87	228	111238	3.57	ng/ul	92
81) Bis(2-ethylhexyl)phthalate	21.72	149	736464	47.47	ng/ul	98
82) Chrysene	21.94	228	112079	3.85	ng/ul	96
85) Benzo(b)fluoranthene	24.22	252	252912	8.42	ng/ul#	92
86) Benzo(k)fluoranthene	24.29	252	57664	2.02	ng/ul#	97
88) Benzo(a)pyrene	25.16	252	118280	4.10	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.27	276	85833m	2.39	ng/ul	
91) Benzo(g,h,i)perylene	30.49	276	83294m	2.78	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

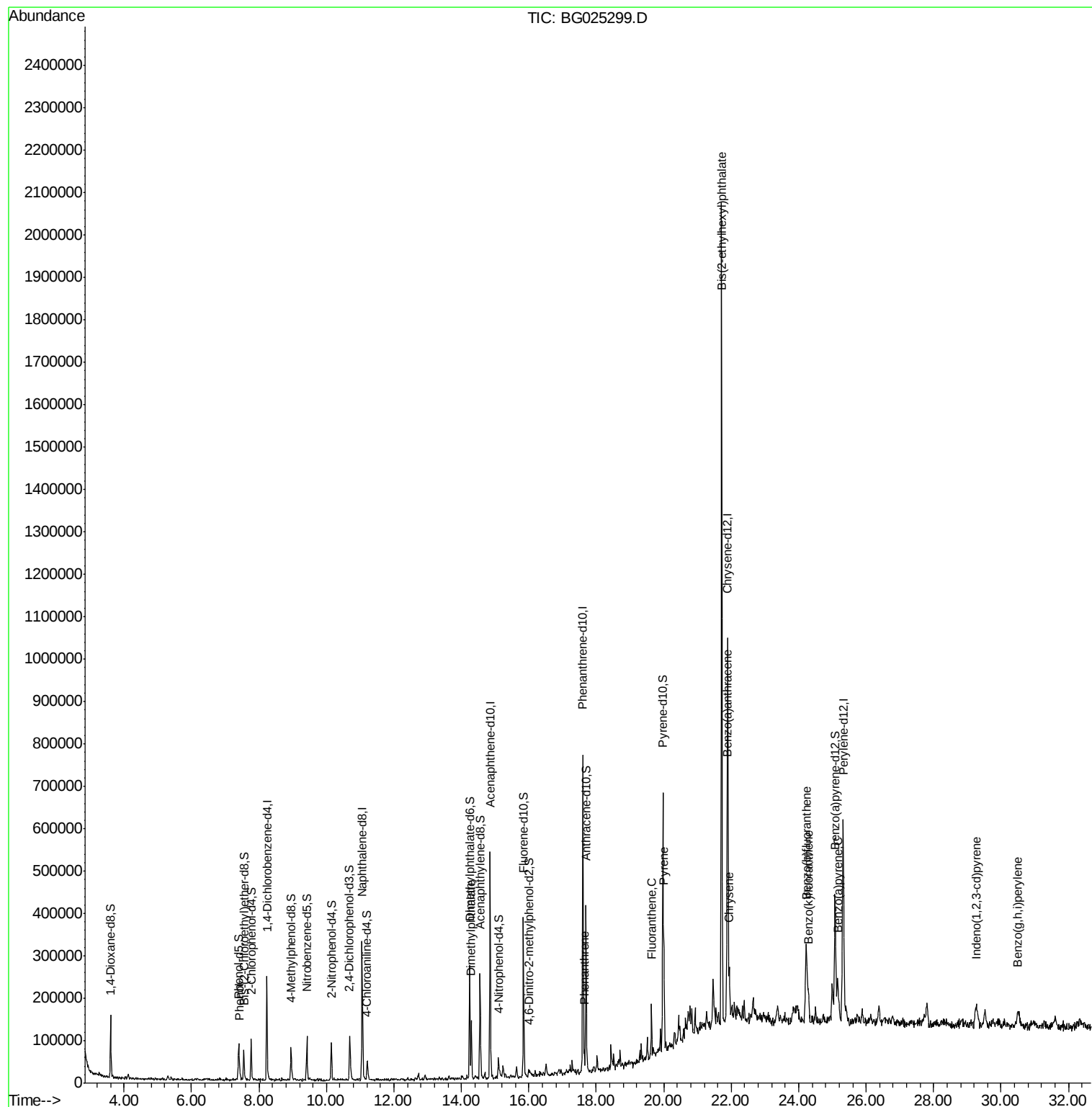
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025299.D
Acq On : 18 Dec 2016 7:19
Operator : UM/SJ
Sample : H5970-17DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

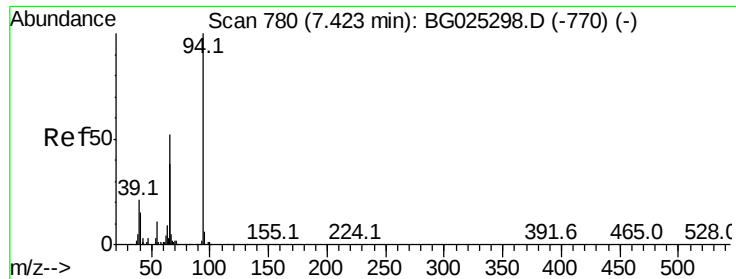
Instrument :
BNA_G
ClientSampleId :
DA856DL

Manual Integrations
APPROVED

umangi
12/20/2016 10:55:36 AM

Quant Time: Dec 19 04:53:09 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 19 04:41:28 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.64 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG025299.D

Acq: 18 Dec 2016 7:19

Instrument :

BNA_G

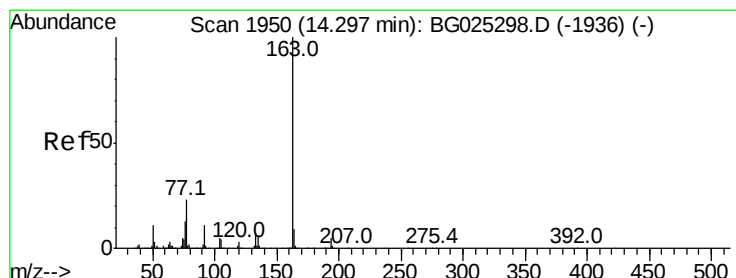
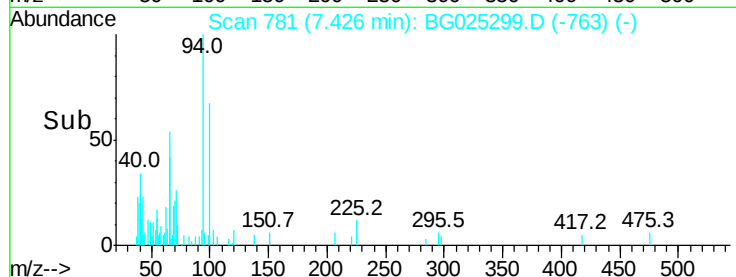
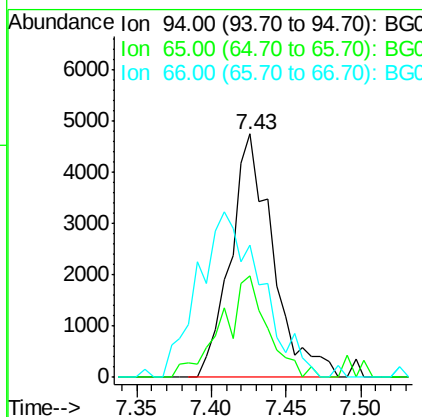
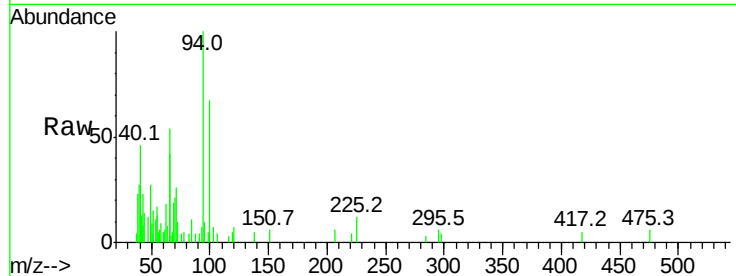
ClientSampleId :

DA856DL

Tot Ion:	94	Resp:	9353
Ion Ratio	Lower	Upper	
94	100		
65	41.7	26.8	40.2#
66	54.2	44.4	66.6

Manual Integrations
APPROVED

umangi
12/20/2016 10:55:36 AM



#44

Dimethylphthalate

Concen: 5.99 ng/ul

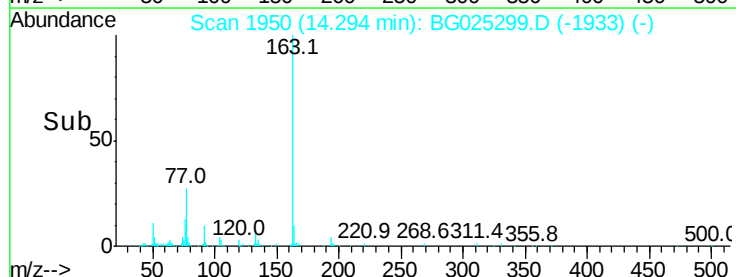
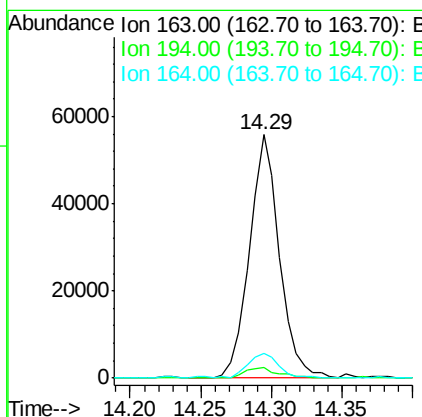
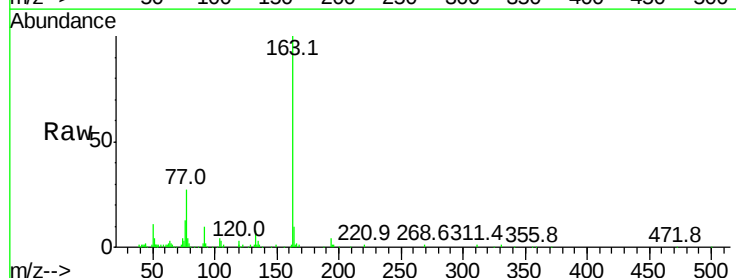
RT: 14.29 min Scan# 1950

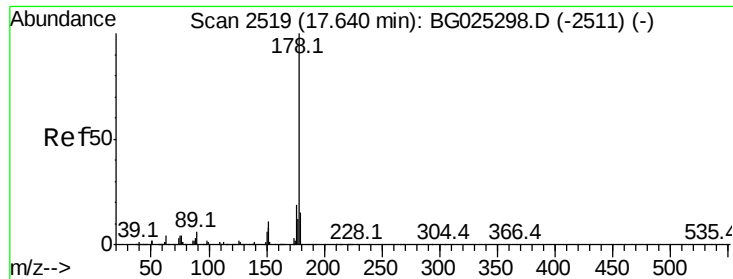
Delta R.T. -0.00 min

Lab File: BG025299.D

Acq: 18 Dec 2016 7:19

Tgt Ion:	163	Resp:	83157
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.2	9.0	13.4





#69

Phenanthrene

Concen: 1.51 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025299.D

Acq: 18 Dec 2016 7:19

Instrument :

BNA_G

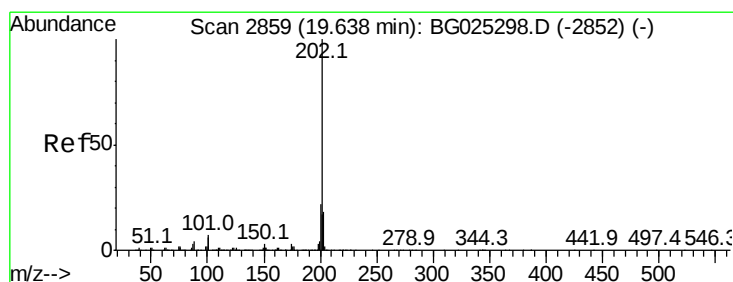
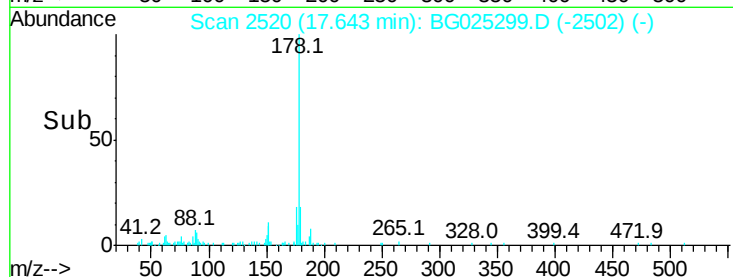
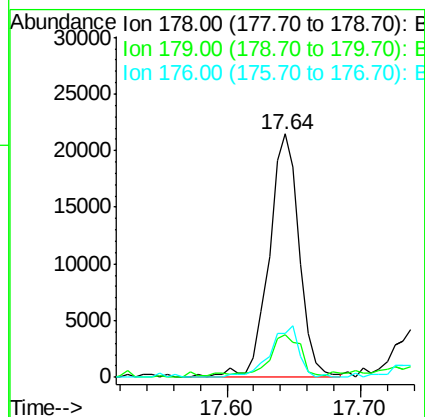
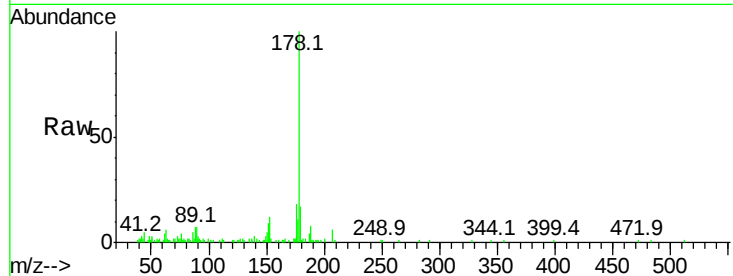
ClientSampleId :

DA856DL

Tot Ion:	178	Resp:	33819
Ion Ratio	Lower	Upper	
178	100		
179	17.4	12.4	18.6
176	18.3	16.5	24.7

Manual Integrations
APPROVED

umangi
12/20/2016 10:55:36 AM



#74

Fluoranthene

Concen: 3.00 ng/ul

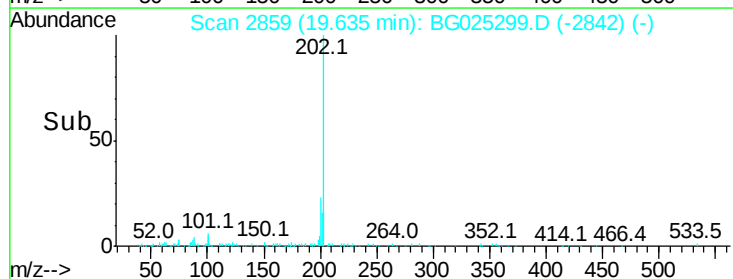
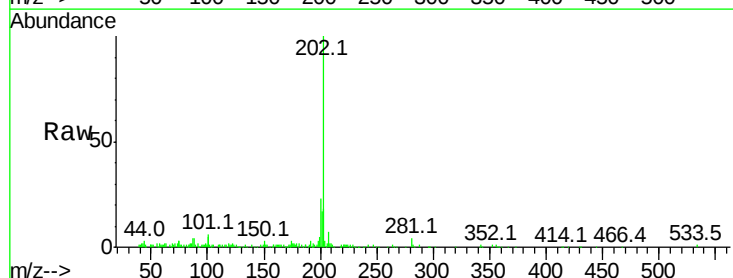
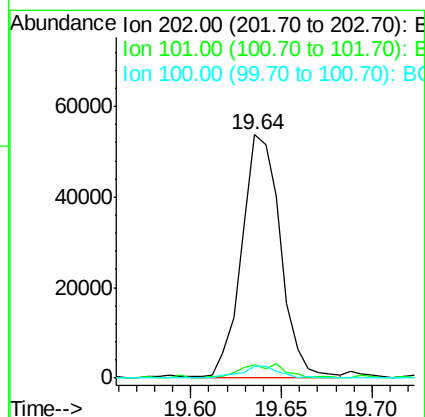
RT: 19.64 min Scan# 2859

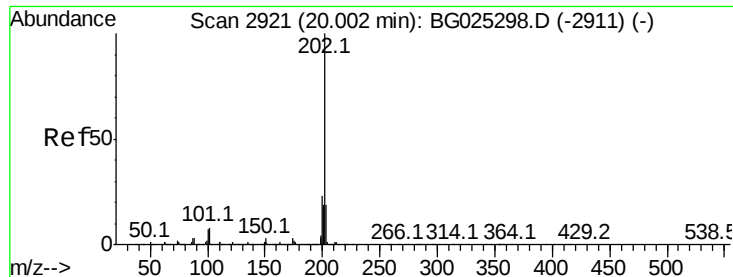
Delta R.T. -0.00 min

Lab File: BG025299.D

Acq: 18 Dec 2016 7:19

Tgt Ion:	202	Resp:	80117
Ion Ratio	Lower	Upper	
202	100		
101	5.5	6.2	9.2#
100	5.1	5.2	7.8#





#77

Pvrene

Concen: 4.38 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BG025299.D

Acq: 18 Dec 2016 7:19

Instrument :

BNA_G

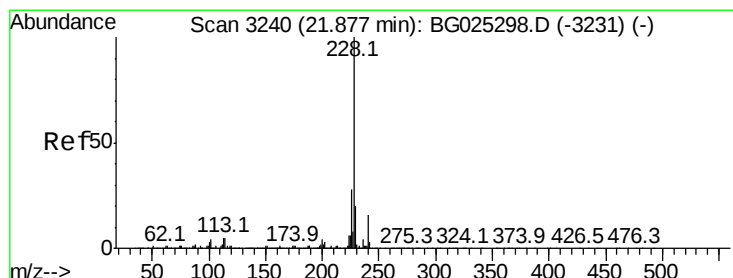
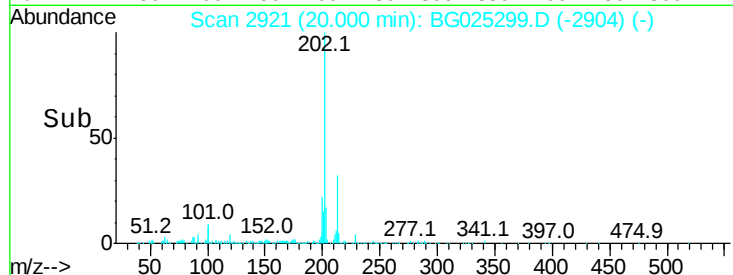
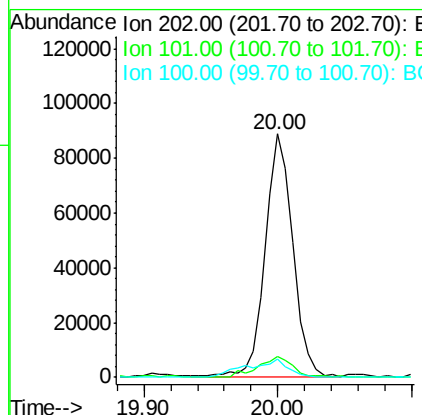
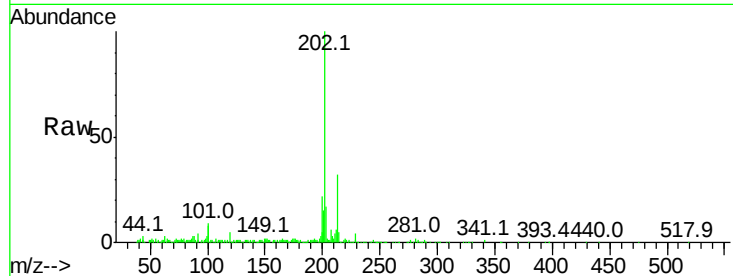
ClientSampleId :

DA856DL

Tot Ion:	202	Resp:	125991
Ion Ratio	Lower	Upper	
202	100		
101	8.8	6.9	10.3
100	7.6	6.6	10.0

Manual Integrations
APPROVED

umangi
12/20/2016 10:55:36 AM



#80

Benzo(a)anthracene

Concen: 3.57 ng/ul

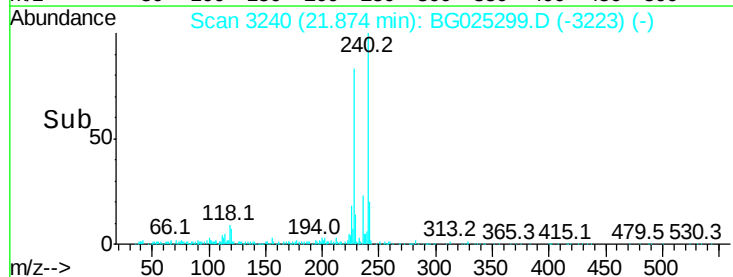
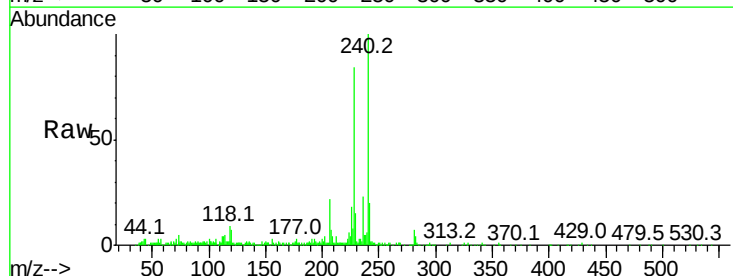
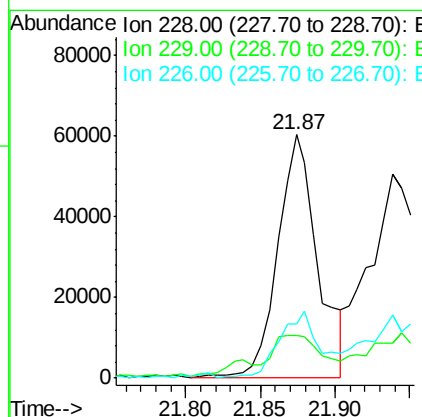
RT: 21.87 min Scan# 3240

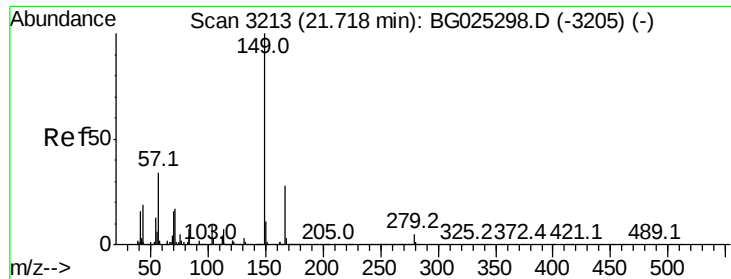
Delta R.T. -0.00 min

Lab File: BG025299.D

Acq: 18 Dec 2016 7:19

Tgt Ion:	228	Resp:	111238
Ion Ratio	Lower	Upper	
228	100		
229	17.7	16.3	24.5
226	22.0	21.9	32.9





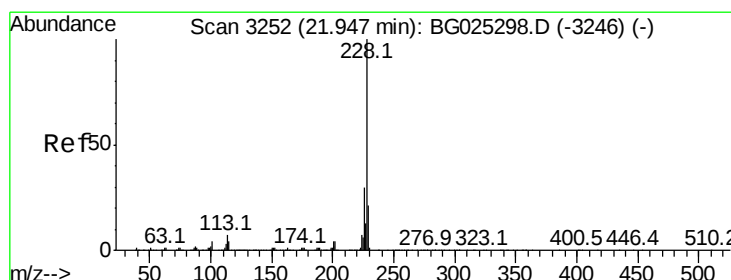
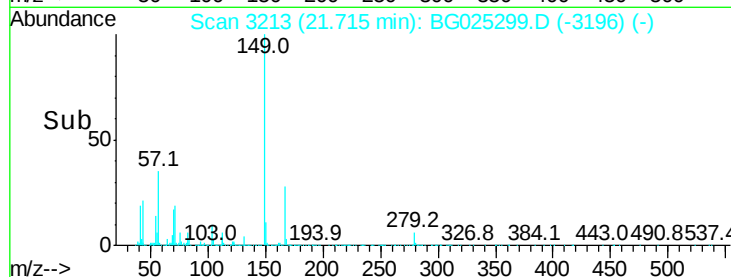
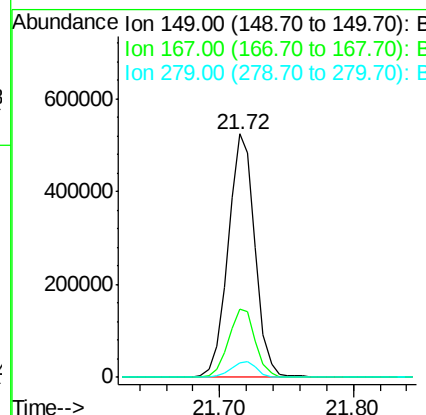
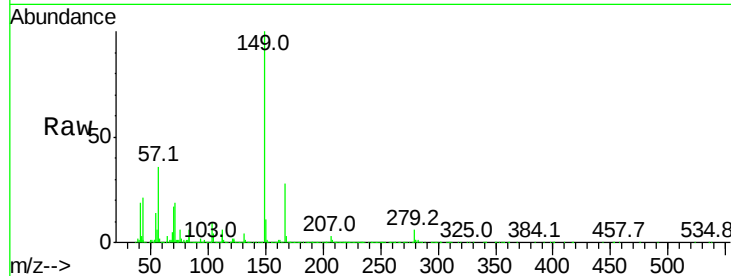
#81
Bis(2-ethylhexyl)phthalate
Concen: 47.47 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG025299.D
Acq: 18 Dec 2016 7:19

Instrument :
BNA_G
ClientSampleId :
DA856DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.8	32.8
279	6.2	4.5	6.7

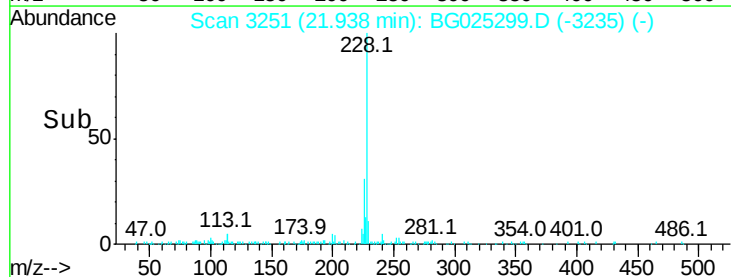
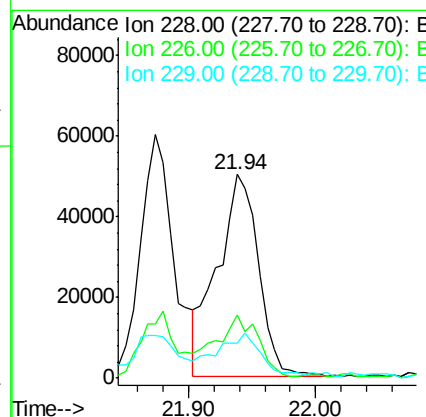
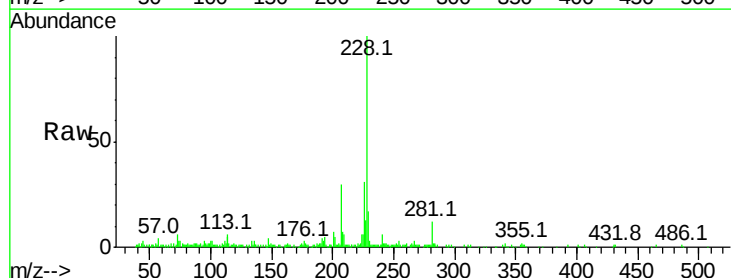
Manual Integrations
APPROVED

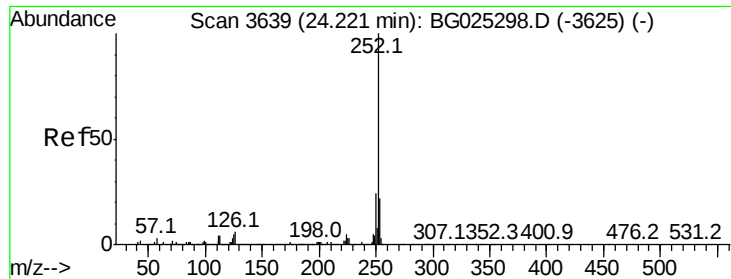
umangi
12/20/2016 10:55:36 AM



#82
Chrysene
Concen: 3.85 ng/ul
RT: 21.94 min Scan# 3251
Delta R.T. -0.01 min
Lab File: BG025299.D
Acq: 18 Dec 2016 7:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	17.4	16.9	25.3





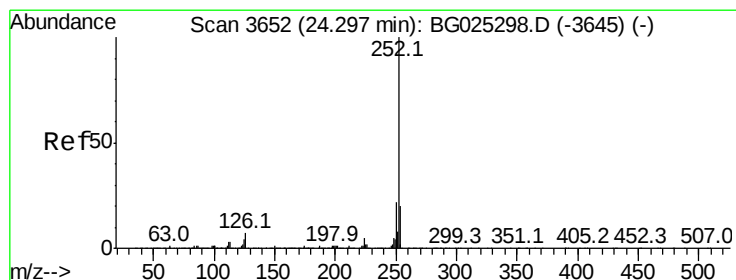
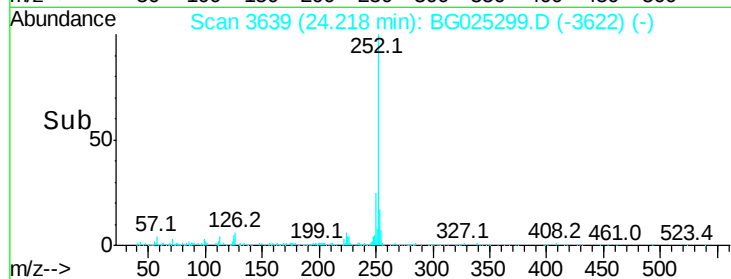
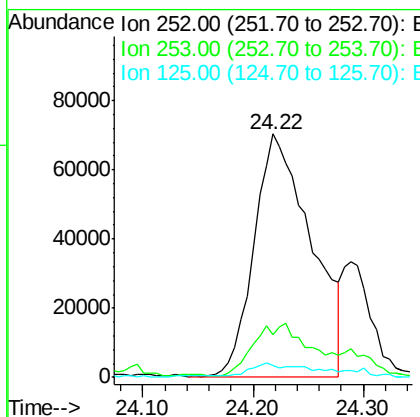
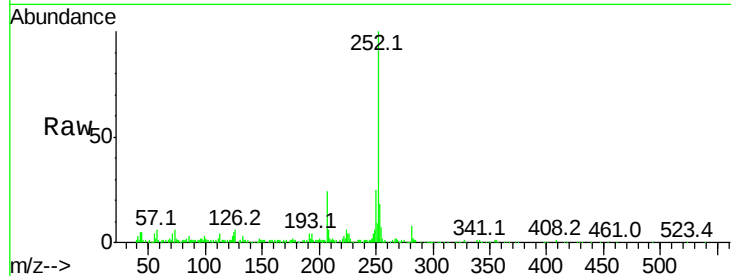
#85
Benzo(b)fluoranthene
Concen: 8.42 ng/ul
RT: 24.22 min Scan# 3639
Delta R.T. -0.00 min
Lab File: BG025299.D
Acq: 18 Dec 2016 7:19

Instrument :
BNA_G
ClientSampleId :
DA856DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	17.5	17.7	26.5#
125	4.9	4.0	6.0

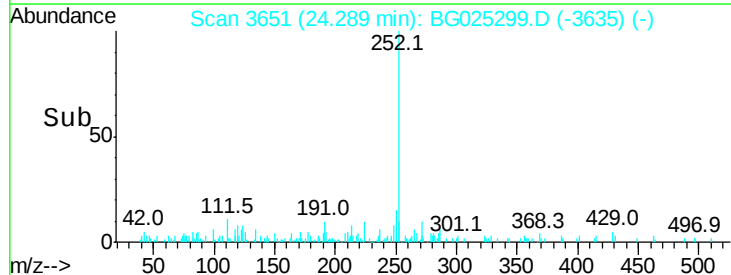
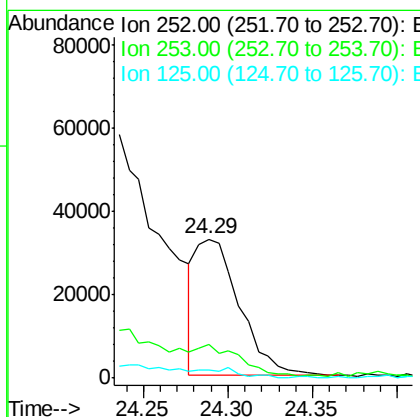
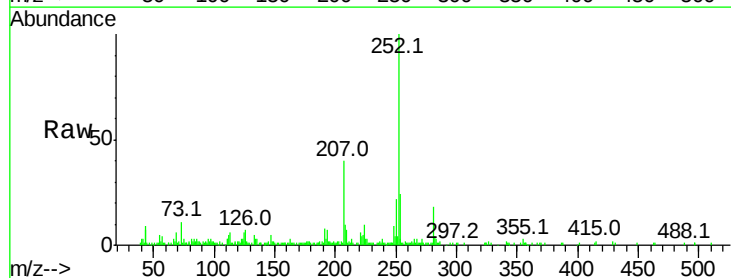
Manual Integrations
APPROVED

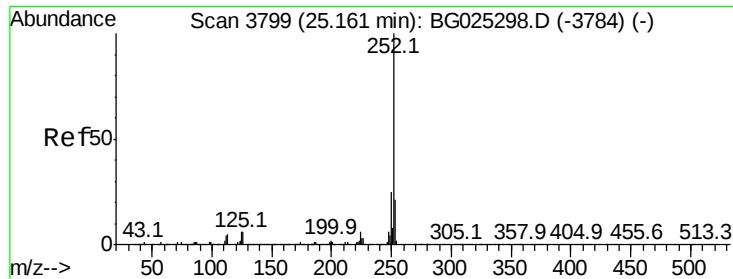
umangi
12/20/2016 10:55:36 AM



#86
Benzo(k)fluoranthene
Concen: 2.02 ng/ul
RT: 24.29 min Scan# 3651
Delta R.T. -0.01 min
Lab File: BG025299.D
Acq: 18 Dec 2016 7:19

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	18.5	27.7
125	6.2	4.1	6.1#





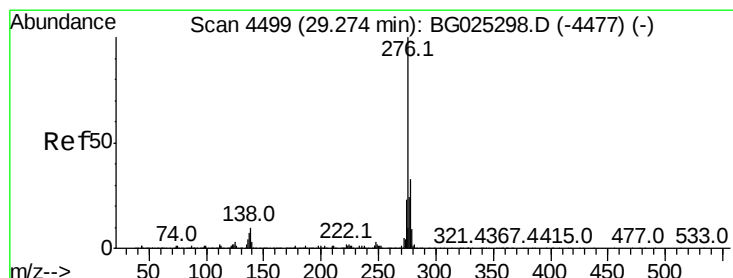
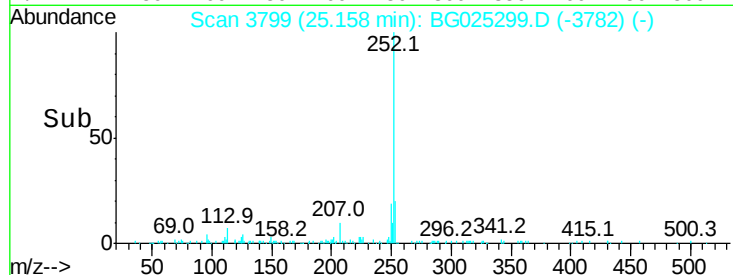
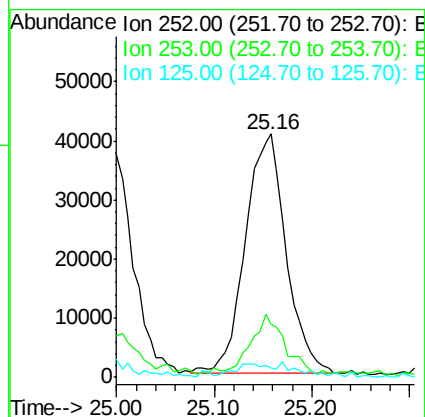
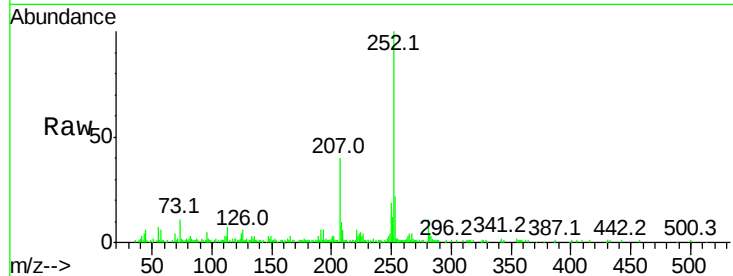
#88
Benzo(a)pyrene
Concen: 4.10 ng/ul
RT: 25.16 min Scan# 3799
Delta R.T. -0.00 min
Lab File: BG025299.D
Acq: 18 Dec 2016 7:19

Instrument :
BNA_G
ClientSampleID :
DA856DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.8	17.8	26.6
125	3.9	5.4	8.0

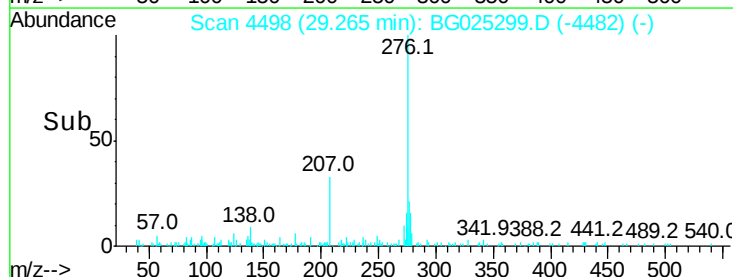
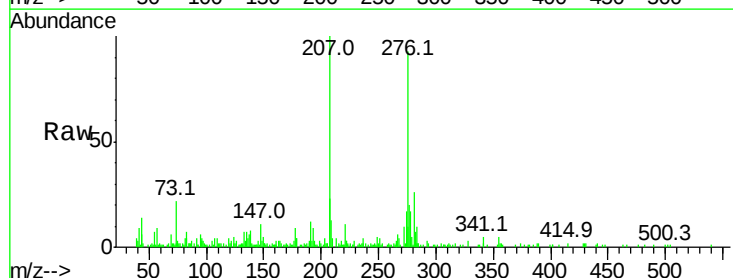
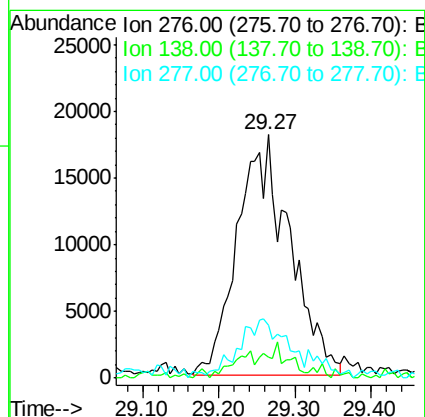
Manual Integrations
APPROVED

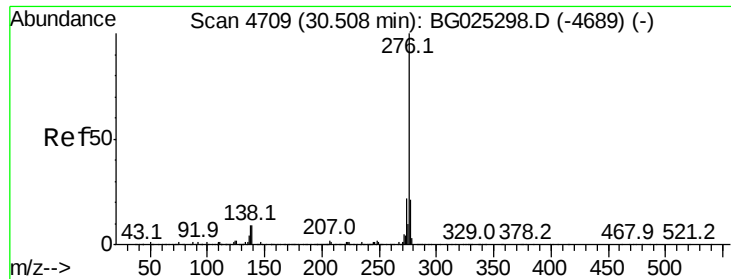
umangi
12/20/2016 10:55:36 AM



#89
Indeno(1,2,3-cd)pyrene
Concen: 2.39 ng/ul m
RT: 29.27 min Scan# 4498
Delta R.T. -0.01 min
Lab File: BG025299.D
Acq: 18 Dec 2016 7:19

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	8.5	8.2	12.4
277	22.0	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 2.78 ng/ul m
 RT: 30.49 min Scan# 4707
 Delta R.T. -0.01 min
 Lab File: BG025299.D
 Acq: 18 Dec 2016 7:19

Instrument :
 BNA_G
 ClientSampleId :
 DA856DL

Tot Ion:	276	Resp:	83294
Ion Ratio	Lower	Upper	
276	100		
138	10.7	8.6	12.8
277	21.1	17.6	26.4

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:55:36 AM

