

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018217.D
 Acq On : 1 Aug 2015 12:48
 Operator : TP/UM
 Sample : G3073-17
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02G2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:41 PM

Quant Time: Aug 03 05:30:04 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	51370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	229408	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	139363	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	252679	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	209452	20.00	ng/ul	0.01
86) Perylene-d12	23.31	264	214852	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	877	1.29	ng/uL	0.00
5) Phenol-d5	6.68	99	39175	8.48	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	20117	8.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	31778	9.11	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	30109	8.00	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	17233	9.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	14242	6.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	31557	8.61	ng/ul	0.01
29) 4-Chloroaniline-d4	10.41	131	25343	5.55	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	104698	9.72	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	114945	9.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	5840	2.93	ng/ul	0.02
58) Fluorene-d10	15.16	176	79668	8.18	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.01	188	94093m	8.56	ng/ul	0.00
79) Pyrene-d10	19.33	212	79026	7.80	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.17	264	81278	7.48	ng/ul	0.02

Target Compounds

					Qvalue
45) Dimethylphthalate	13.62	163	49138	4.59 ng/ul#	95
70) Phenanthrene	16.96	178	102337	7.97 ng/ul	97
72) Anthracene	17.05	178	14967m	1.17 ng/ul	
76) Di-n-butylphthalate	17.90	149	28145	1.99 ng/ul#	96
77) Fluoranthene	18.99	202	135857	9.64 ng/ul#	95
80) Pyrene	19.36	202	125451	9.87 ng/ul#	92
83) Benzo(a)anthracene	21.11	228	56516	5.01 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.05	149	15371	2.21 ng/ul#	96
85) Chrysene	21.16	228	64503m	6.24 ng/ul	
88) Benzo(b)fluoranthene	22.66	252	101696	7.88 ng/ul	97
89) Benzo(k)fluoranthene	22.69	252	25242m	2.13 ng/ul	
91) Benzo(a)pyrene	23.21	252	58586	5.07 ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	25.51	276	36991	2.77 ng/ul#	88
94) Benzo(g,h,i)perylene	26.18	276	31389	2.88 ng/ul#	95

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

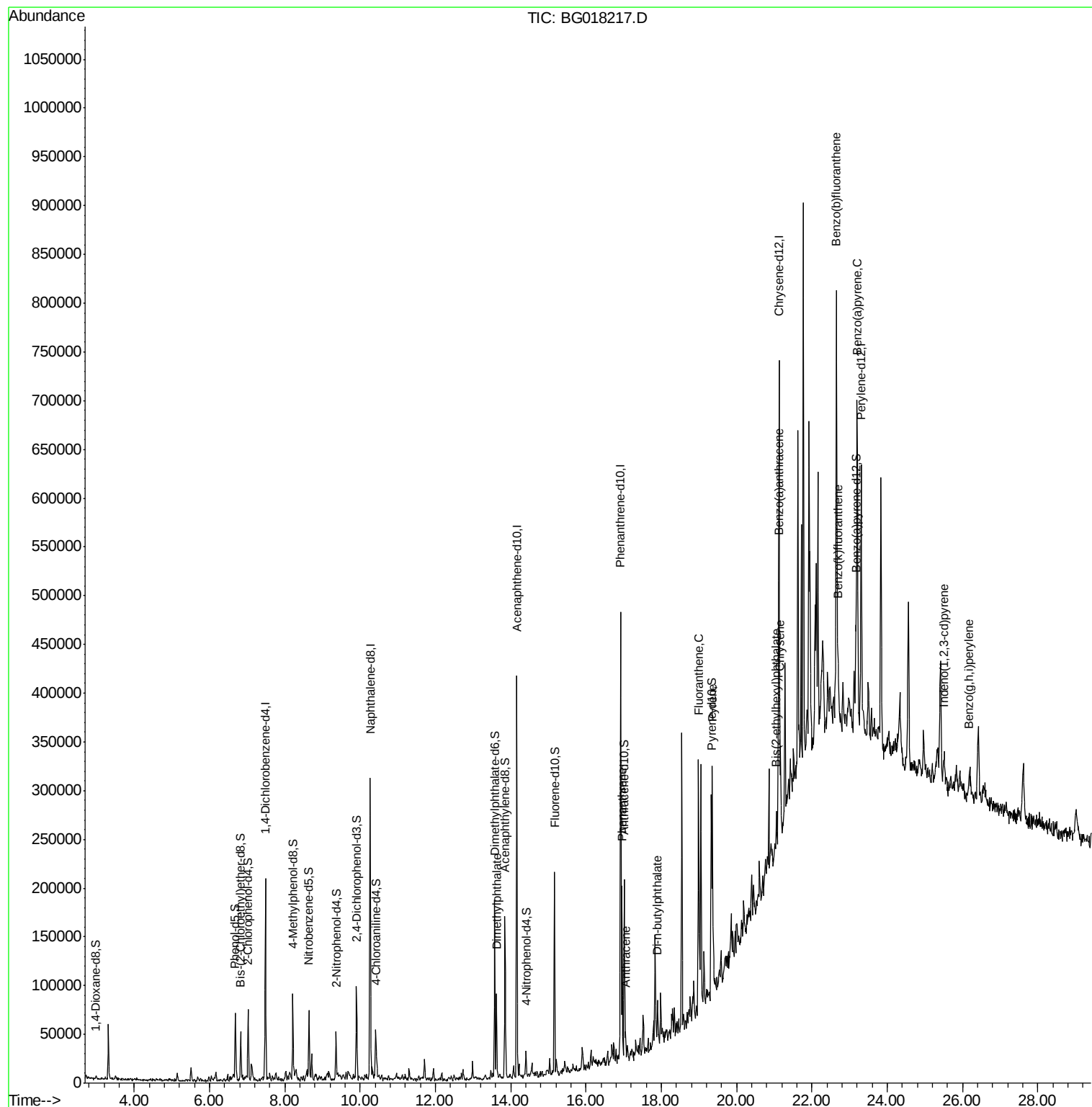
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018217.D
Acq On : 1 Aug 2015 12:48
Operator : TP/UM
Sample : G3073-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

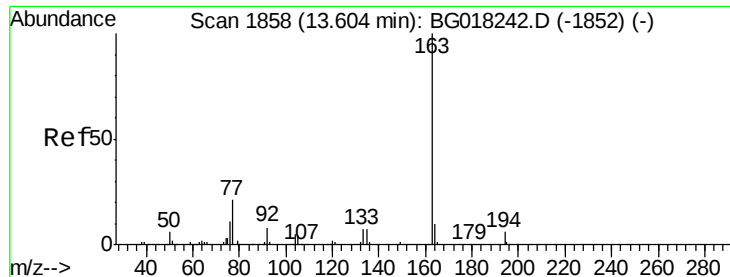
Instrument :
BNA_G
ClientSampleId :
C02G2

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:41 PM

Quant Time: Aug 03 05:30:04 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration





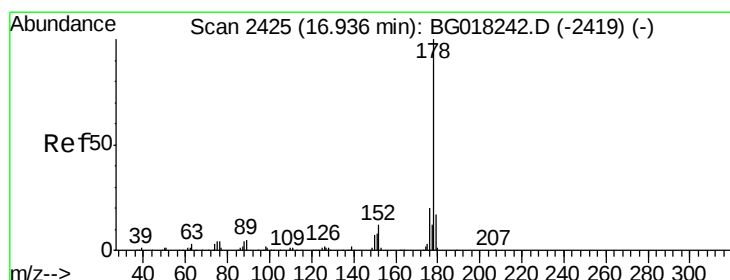
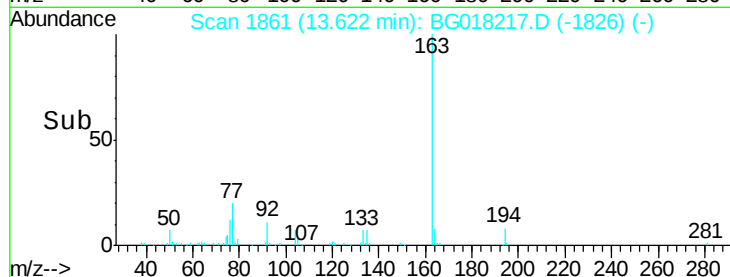
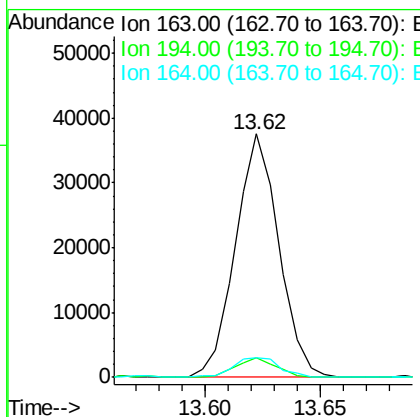
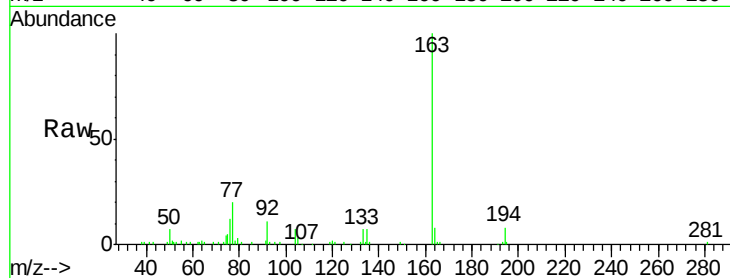
#45
Dimethylphthalate
Concen: 4.59 ng/ul
RT: 13.62 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BG018217.D
Acq: 1 Aug 2015 12:48

Instrument :
BNA_G
ClientSampleId :
C02G2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	8.0	5.2	7.8#
164	8.3	8.4	12.6#

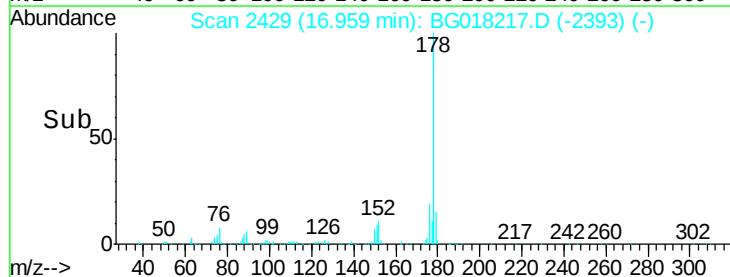
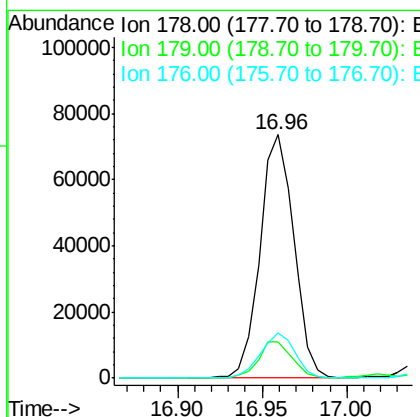
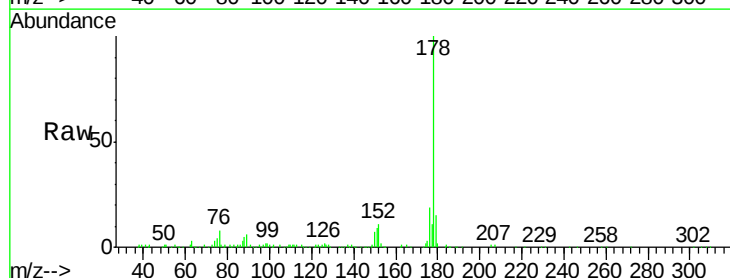
Manual Integrations
APPROVED

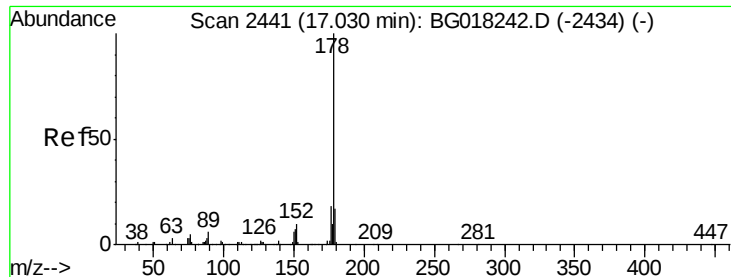
MMDadoda
8/4/2015 12:24:41 PM



#70
Phenanthrene
Concen: 7.97 ng/ul
RT: 16.96 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BG018217.D
Acq: 1 Aug 2015 12:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	15.0	12.8	19.2
176	18.8	16.0	24.0





#72

Anthracene

Concen: 1.17 ng/ul m

RT: 17.05 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG018217.D

Acq: 1 Aug 2015 12:48

Instrument :

BNA_G

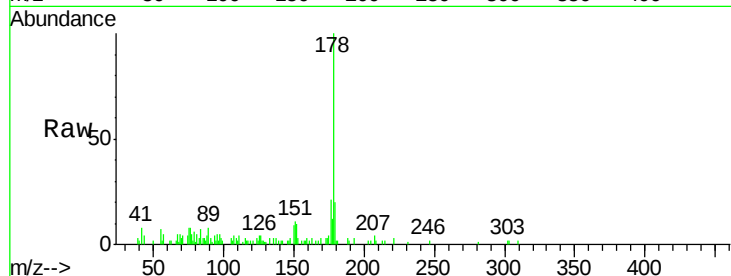
ClientSampleId :

C02G2

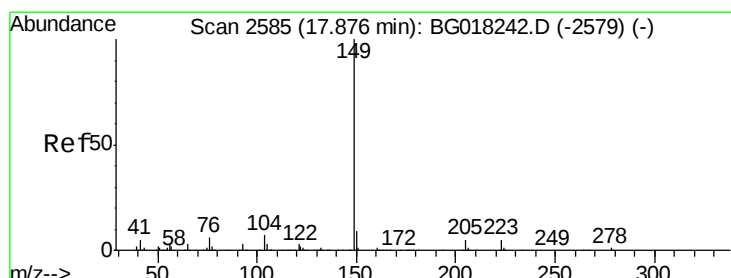
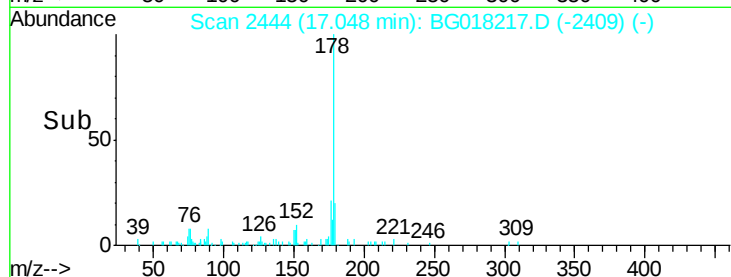
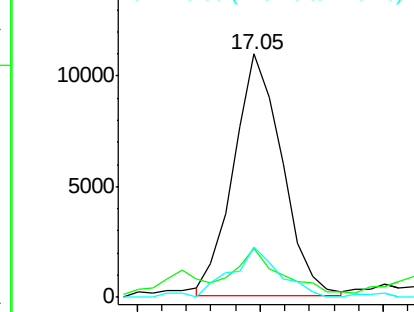
Tgt Ion:	178	Resp:	14967
Ion Ratio	Lower	Upper	
178	100		
179	20.4	12.2	18.2#
176	20.7	14.8	22.2

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:41 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#76

Di-n-butylphthalate

Concen: 1.99 ng/ul

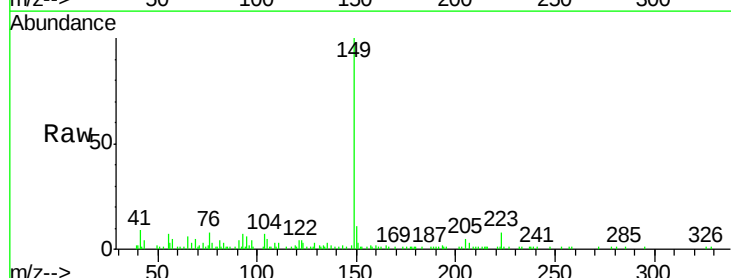
RT: 17.90 min Scan# 2589

Delta R.T. 0.01 min

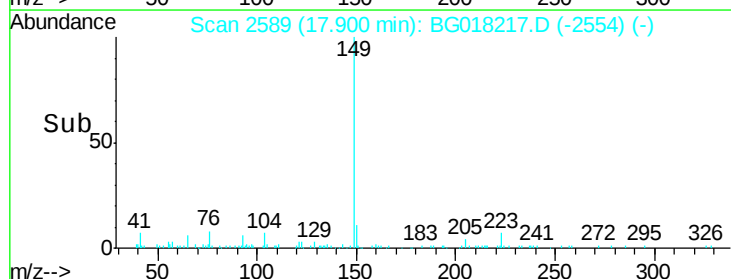
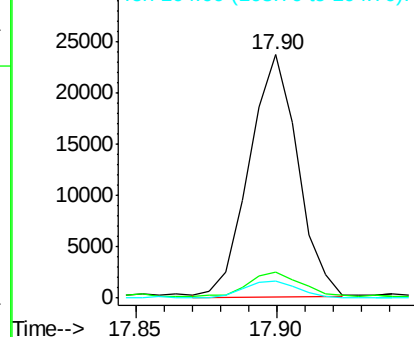
Lab File: BG018217.D

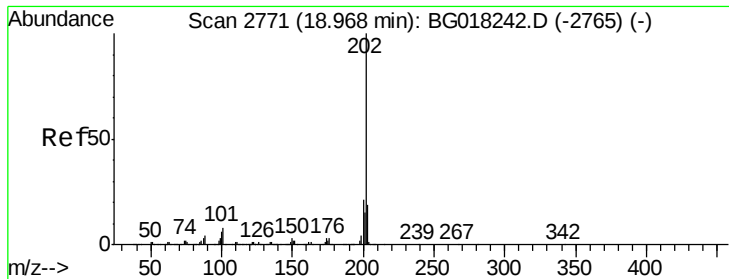
Acq: 1 Aug 2015 12:48

Tgt Ion:	149	Resp:	28145
Ion Ratio	Lower	Upper	
149	100		
150	10.7	7.7	11.5
104	6.8	3.6	5.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#77

Fluoranthene

Concen: 9.64 ng/ul

RT: 18.99 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BG018217.D

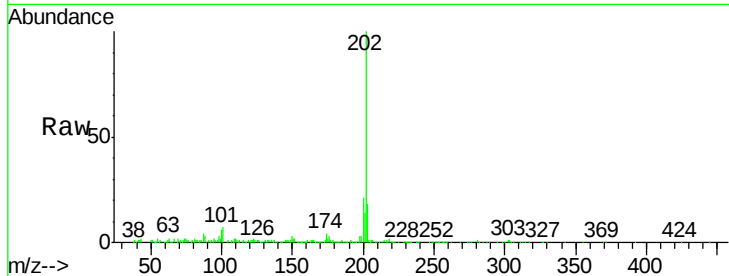
Acq: 1 Aug 2015 12:48

Instrument :

BNA_G

ClientSampleId :

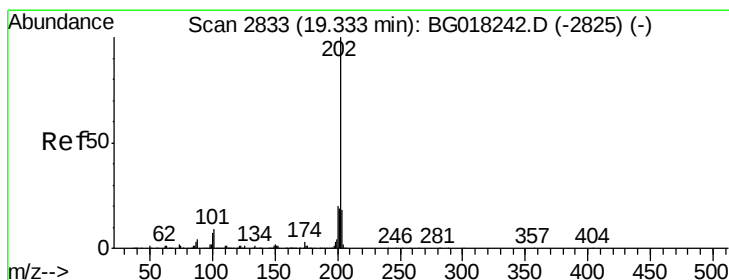
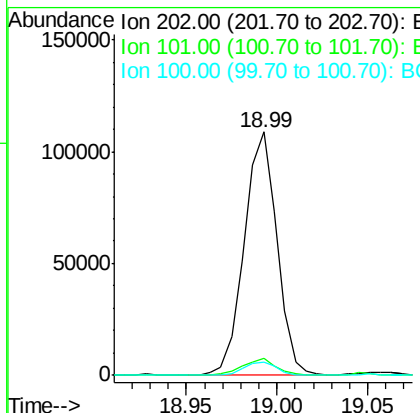
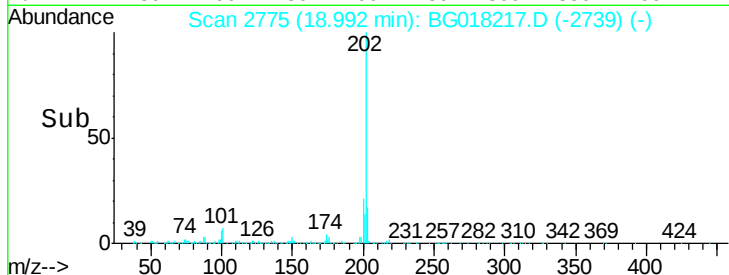
C02G2



Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	6.9	7.5	11.3#	
100	5.7	5.5	8.3	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:41 PM



#80

Pyrene

Concen: 9.87 ng/ul

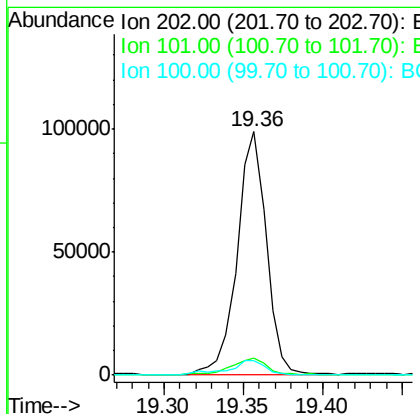
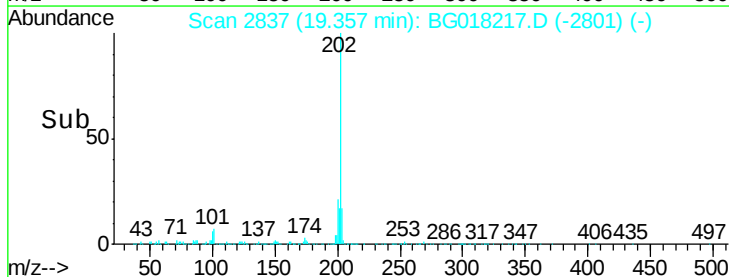
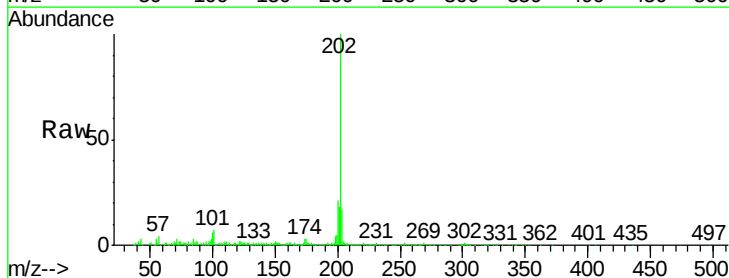
RT: 19.36 min Scan# 2837

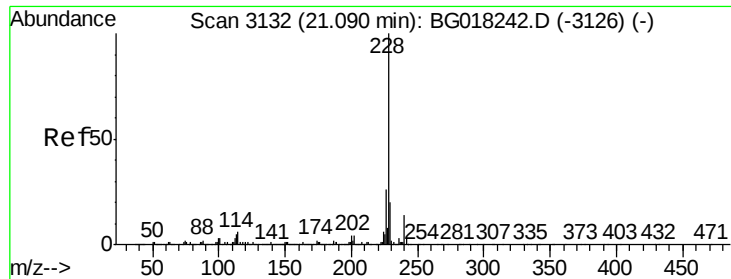
Delta R.T. 0.01 min

Lab File: BG018217.D

Acq: 1 Aug 2015 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	7.0	8.1	12.1#	
100	6.1	7.4	11.0#	





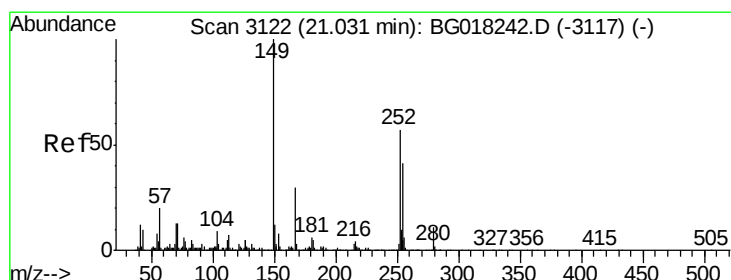
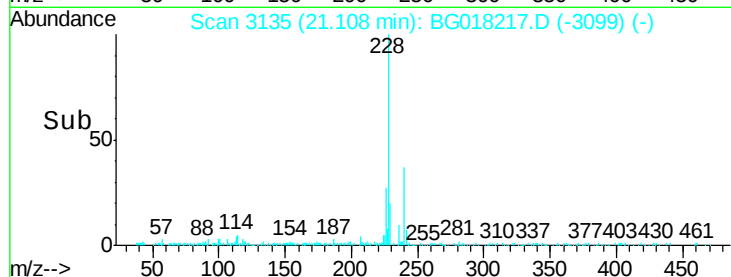
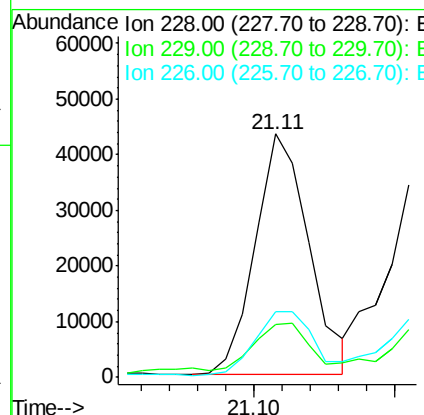
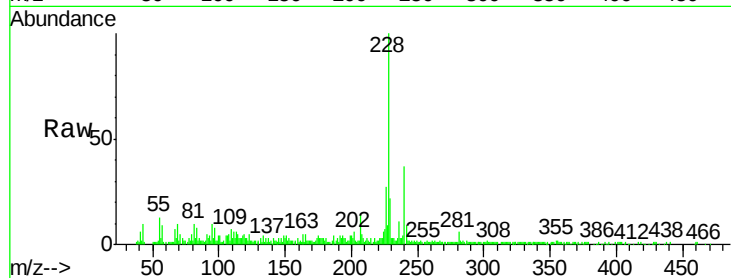
#83
 Benzo(a)anthracene
 Concen: 5.01 ng/ul
 RT: 21.11 min Scan# 3135
 Delta R.T. 0.01 min
 Lab File: BG018217.D
 Acq: 1 Aug 2015 12:48

Instrument :
 BNA_G
 ClientSampleId :
 C02G2

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	56516		
229	21.8	16.5	24.7	
226	26.9	21.5	32.3	

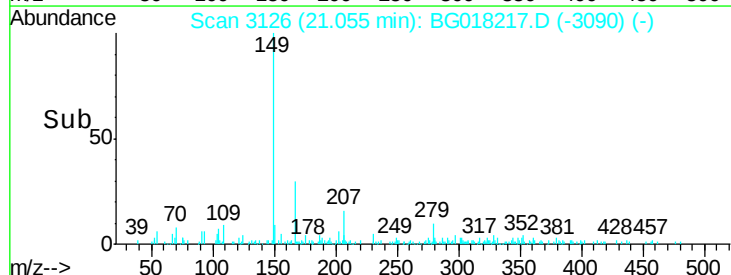
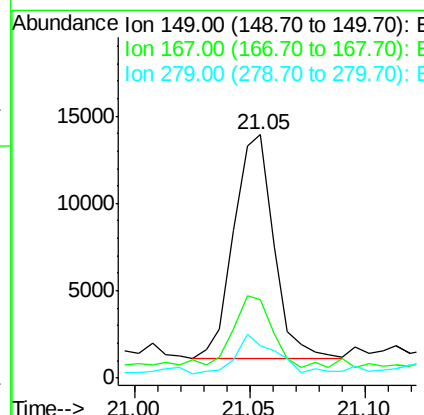
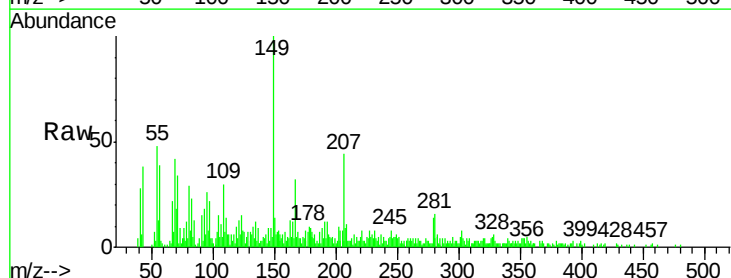
Manual Integrations
 APPROVED

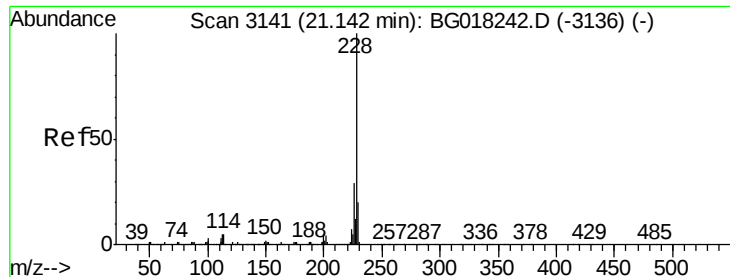
MMDadoda
 8/4/2015 12:24:41 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.21 ng/ul
 RT: 21.05 min Scan# 3126
 Delta R.T. 0.01 min
 Lab File: BG018217.D
 Acq: 1 Aug 2015 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	15371		
167	32.5	27.4	41.2	
279	13.5	8.3	12.5#	





#85

Chrysene

Concen: 6.24 ng/ul m

RT: 21.16 min Scan# 3144

Delta R.T. 0.01 min

Lab File: BG018217.D

Acq: 1 Aug 2015 12:48

Instrument :

BNA_G

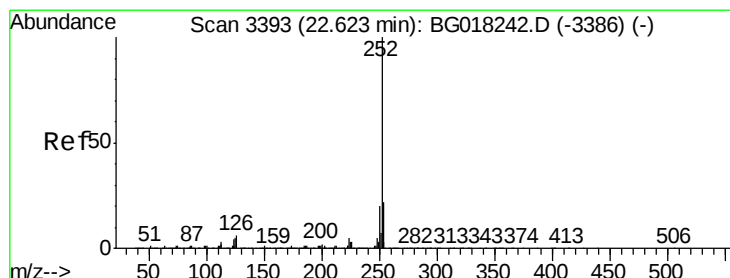
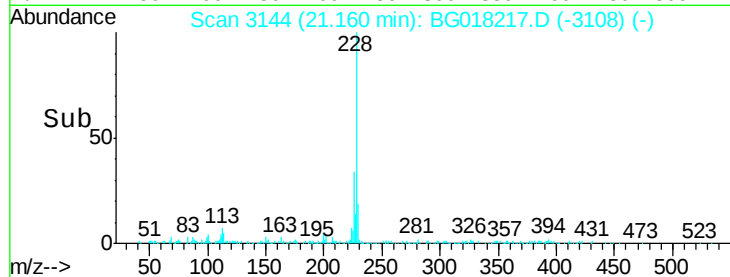
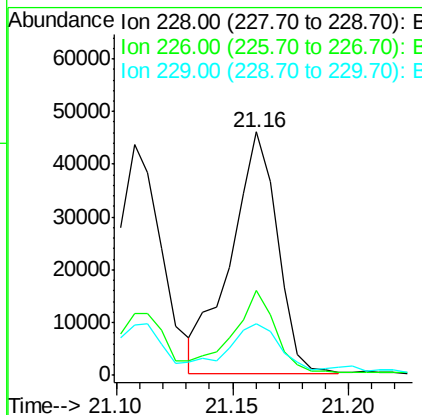
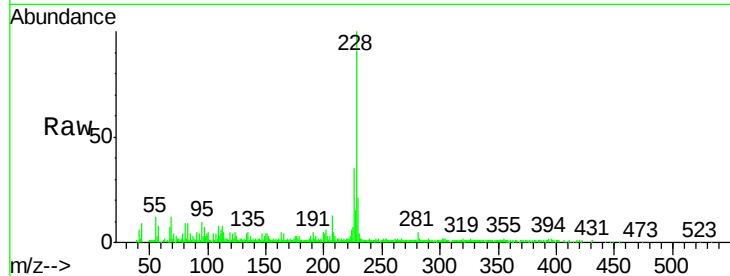
ClientSampleId :

C02G2

Tgt Ion:	228	Resp:	64503
Ion Ratio	Lower	Upper	
228	100		
226	34.7	22.7	34.1#
229	21.0	16.2	24.2

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:41 PM



#88

Benzo(b)fluoranthene

Concen: 7.88 ng/ul

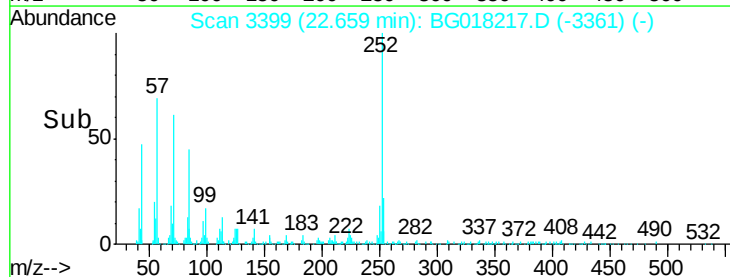
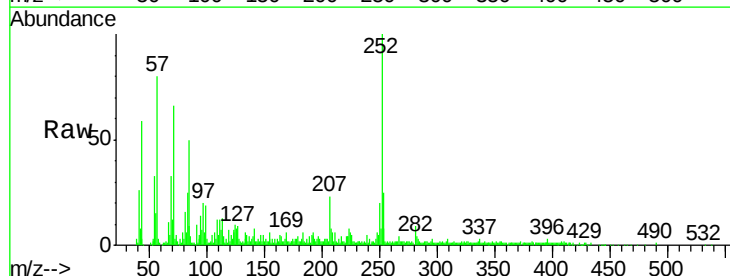
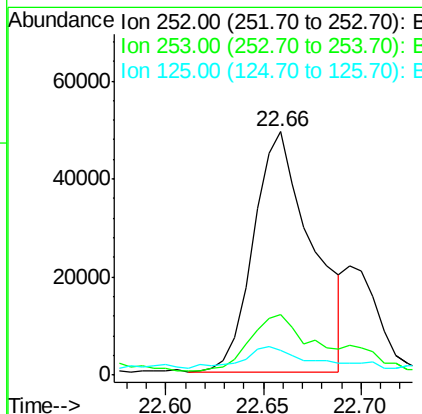
RT: 22.66 min Scan# 3399

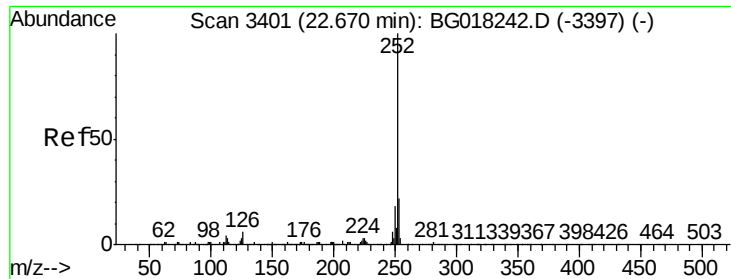
Delta R.T. 0.02 min

Lab File: BG018217.D

Acq: 1 Aug 2015 12:48

Tgt Ion:	252	Resp:	101696
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.5	27.7
125	10.3	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 2.13 ng/ul m

RT: 22.69 min Scan# 3405

Delta R.T. 0.02 min

Lab File: BG018217.D

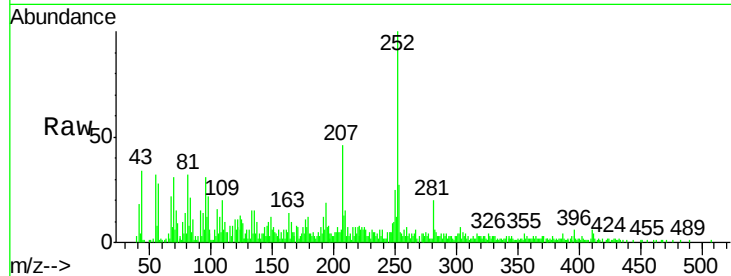
Acq: 1 Aug 2015 12:48

Instrument :

BNA_G

ClientSampled :

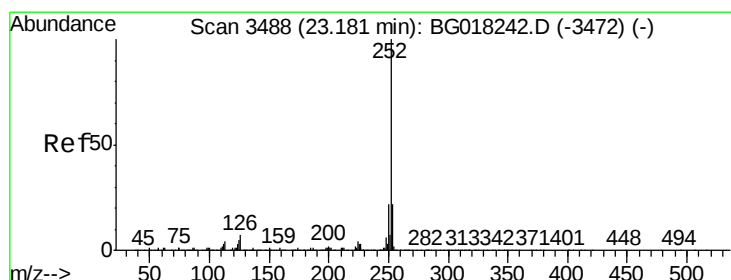
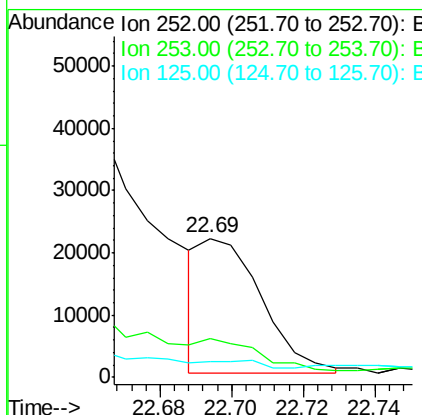
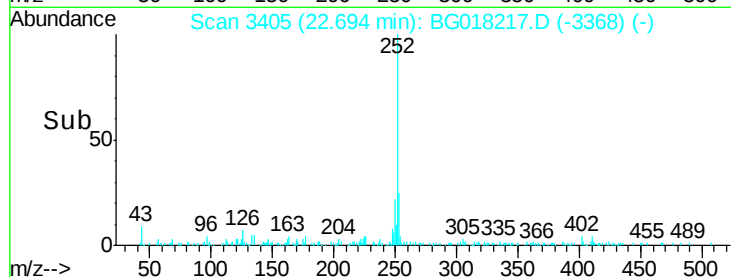
C02G2



Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.2	27.2#
125	11.1	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:41 PM



#91

Benzo(a)pyrene

Concen: 5.07 ng/ul

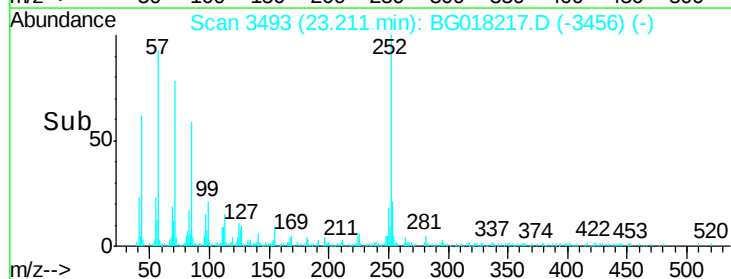
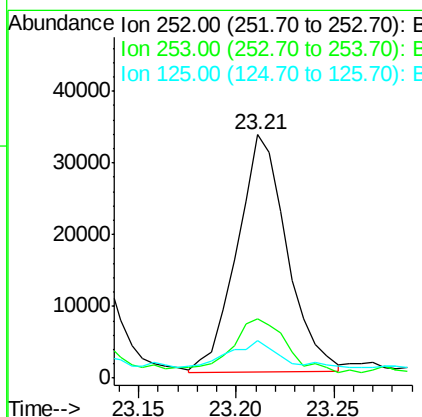
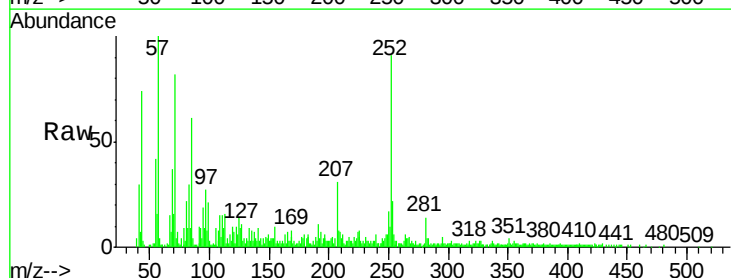
RT: 23.21 min Scan# 3493

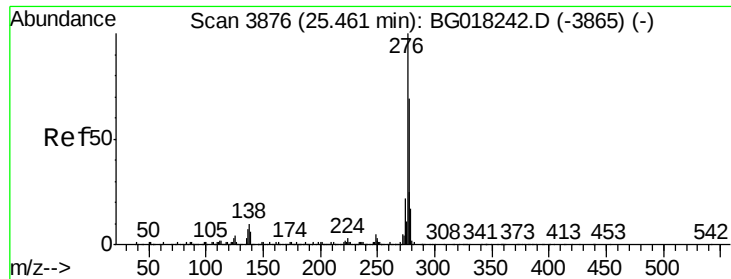
Delta R.T. 0.02 min

Lab File: BG018217.D

Acq: 1 Aug 2015 12:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	15.4	7.3	10.9#





#92

Indeno(1,2,3-cd)pyrene

Concen: 2.77 ng/ul

RT: 25.51 min Scan# 3885

Delta R.T. 0.04 min

Lab File: BG018217.D

Acq: 1 Aug 2015 12:48

Instrument :

BNA_G

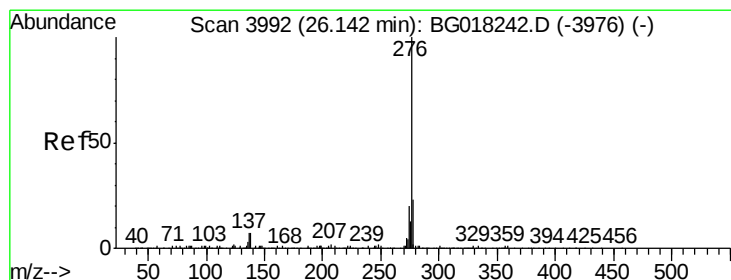
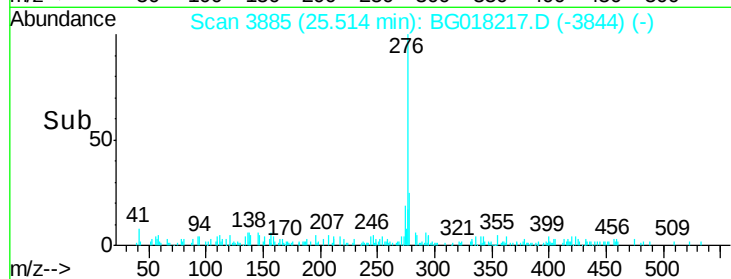
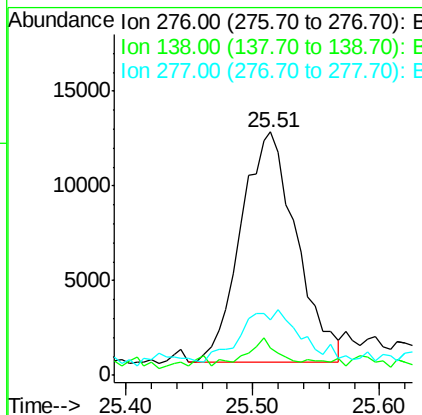
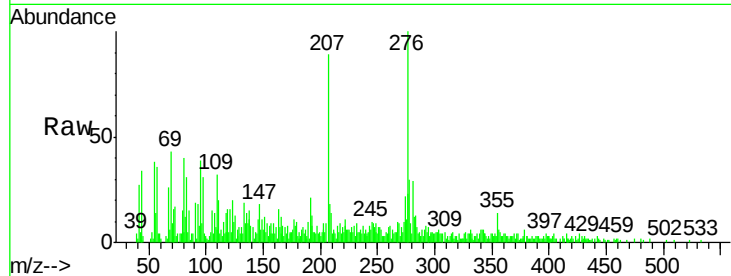
ClientSampleId :

C02G2

Tgt Ion:	276	Resp:	36991
Ion Ratio	Lower	Upper	
276	100		
138	11.1	17.2	25.8#
277	22.7	19.5	29.3

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:41 PM



#94

Benzo(g,h,i)perylene

Concen: 2.88 ng/ul

RT: 26.18 min Scan# 3999

Delta R.T. 0.04 min

Lab File: BG018217.D

Acq: 1 Aug 2015 12:48

Tgt Ion:	276	Resp:	31389
Ion Ratio	Lower	Upper	
276	100		
138	14.6	15.1	22.7#
277	25.5	19.8	29.6

