

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
 Data File : BG018228.D
 Acq On : 2 Aug 2015 16:25
 Operator : TP
 Sample : G3065-22RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02G7RE

Quant Time: Aug 03 06:02:13 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	154794	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	684020	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.16	164	394743	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	580851	20.00	ng/ul	0.01
78) Chrysene-d12	21.14	240	653084	20.00	ng/ul	0.02
86) Perylene-d12	23.33	264	620150	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	3715	1.81	ng/uL	0.00
5) Phenol-d5	6.69	99	184134	13.23	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.82	67	91458	12.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	158957	15.12	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	117517	10.37	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	87401	16.22	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	97159	15.71	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	168697	15.44	ng/ul	0.02
29) 4-Chloroaniline-d4	10.41	131	51600	3.79	ng/ul	0.00
44) Dimethylphthalate-d6	13.58	166	484512	15.88	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	537904	15.21	ng/ul	0.01
52) 4-Nitrophenol-d4	14.42	143	50435	8.93	ng/ul	0.02
58) Fluorene-d10	15.17	176	339862	12.31	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.31	200	1700	0.42	ng/ul	0.02
71) Anthracene-d10	17.02	188	343055	13.58	ng/ul	0.02
79) Pyrene-d10	19.34	212	325928	10.32	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.19	264	341442	10.89	ng/ul	0.04

Target Compounds

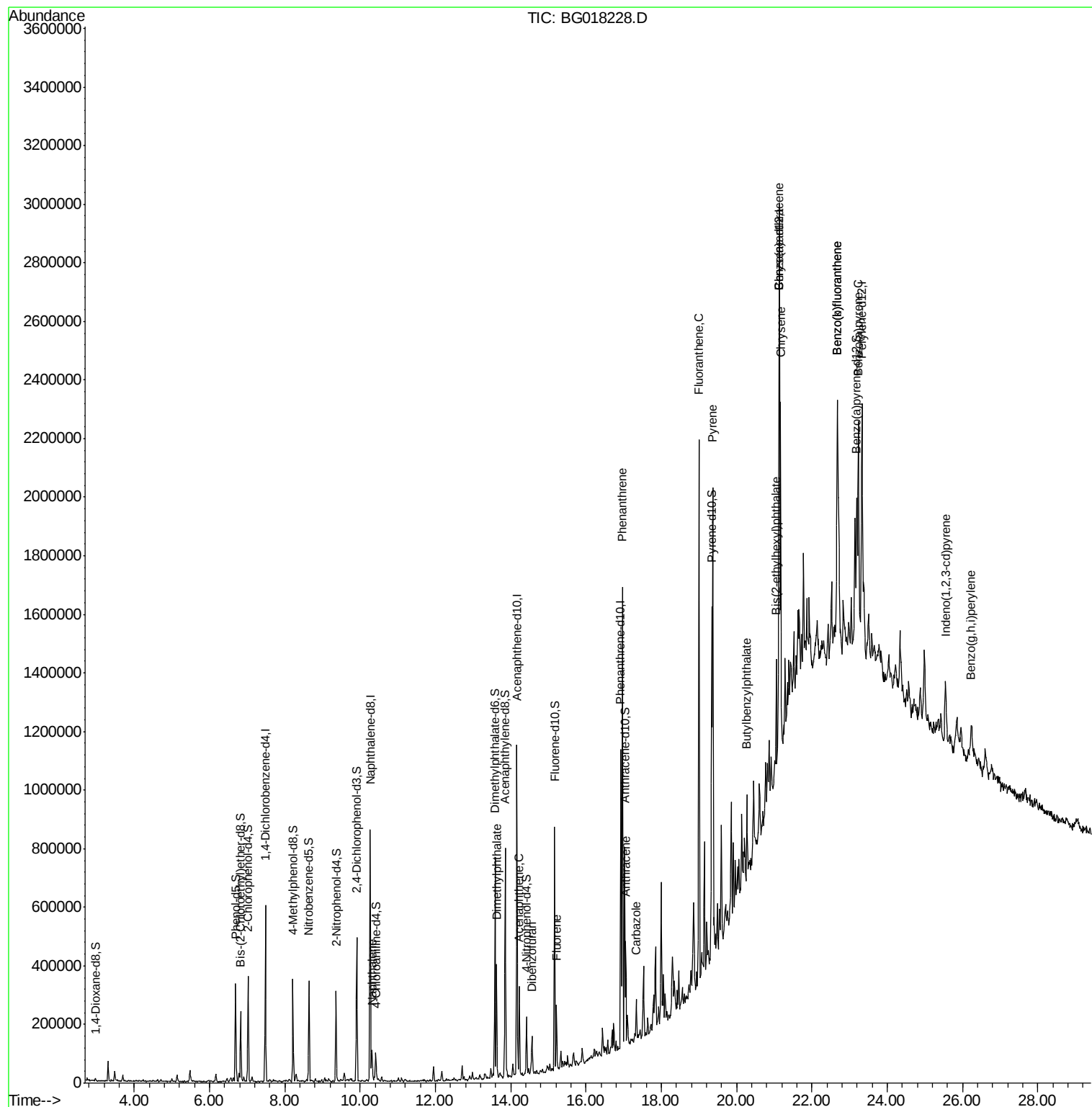
						Qvalue
28) Naphthalene	10.31	128	80812	2.45	ng/ul	99
45) Dimethylphthalate	13.63	163	227336	7.49	ng/ul	99
50) Acenaphthene	14.23	153	113363	4.95	ng/ul	97
54) Dibenzofuran	14.56	168	72959	2.12	ng/ul#	77
59) Fluorene	15.22	166	88366	2.97	ng/ul	97
70) Phenanthrene	16.97	178	861713	29.20	ng/ul	98
72) Anthracene	17.06	178	221078	7.53	ng/ul	98
75) Carbazole	17.34	167	80484	3.30	ng/ul	98
77) Fluoranthene	19.00	202	1063107	32.80	ng/ul#	93
80) Pyrene	19.37	202	911891	23.02	ng/ul#	92
81) Butylbenzylphthalate	20.27	149	71429	4.44	ng/ul#	83
83) Benzo(a)anthracene	21.13	228	535122	15.22	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.05	149	127568	5.88	ng/ul	97
85) Chrysene	21.17	228	545699	16.94	ng/ul	97
88) Benzo(b)fluoranthene	22.68	252	686393	18.42	ng/ul#	96
89) Benzo(k)fluoranthene	22.68	252	686393	20.05	ng/ul#	95
91) Benzo(a)pyrene	23.24	252	444268	13.33	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.56	276	220198	5.71	ng/ul#	85
94) Benzo(g,h,i)perylene	26.23	276	173308	5.50	ng/ul#	89

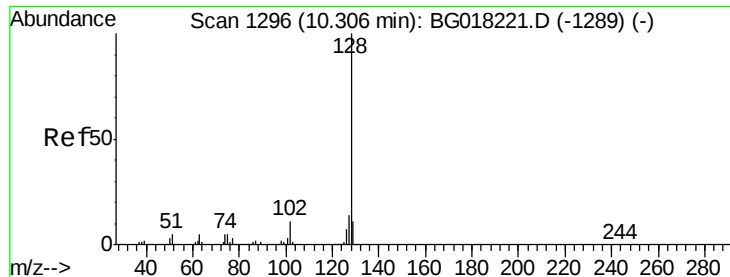
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018228.D
Acq On : 2 Aug 2015 16:25
Operator : TP
Sample : G3065-22RE
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02G7RE

Quant Time: Aug 03 06:02:13 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 2.45 ng/ul

RT: 10.31 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE

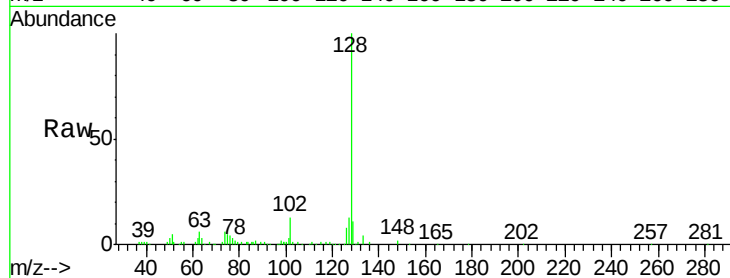
Tgt Ion:128 Resp: 80812

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

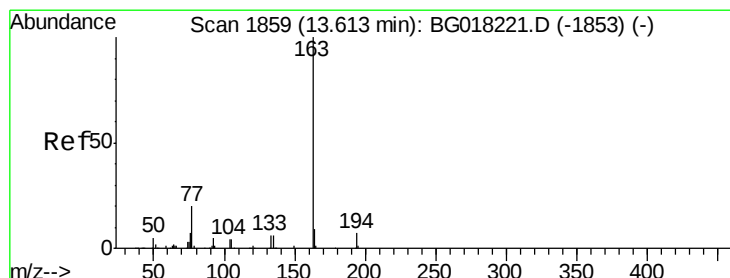
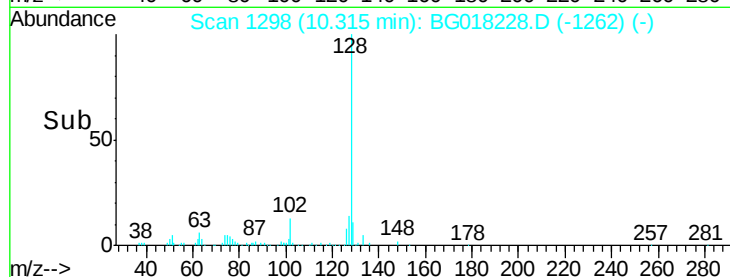
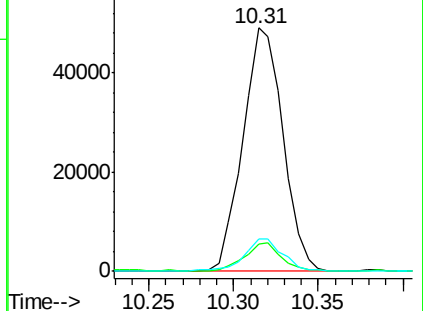
127 13.5 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#45

Dimethylphthalate

Concen: 7.49 ng/ul

RT: 13.63 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

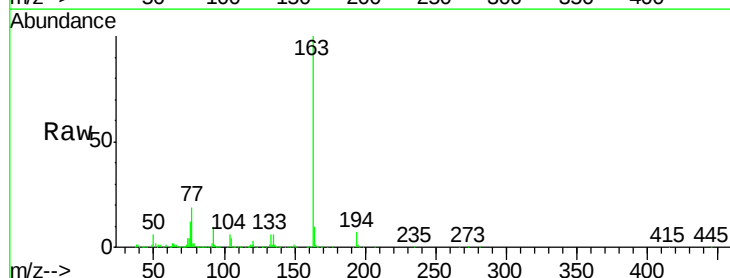
Tgt Ion:163 Resp: 227336

Ion Ratio Lower Upper

163 100

194 7.3 5.2 7.8

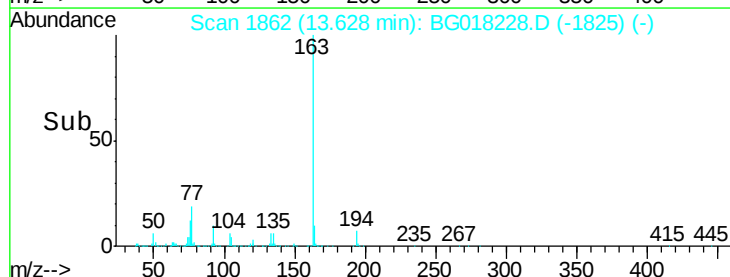
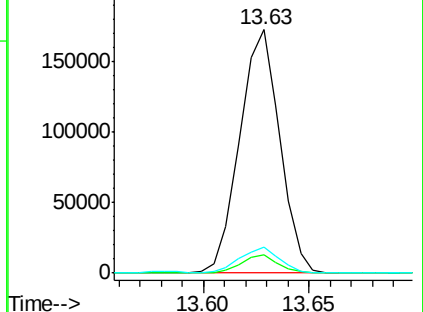
164 10.4 8.4 12.6

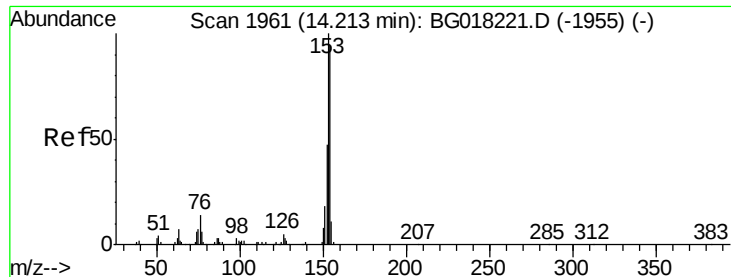


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 4.95 ng/ul

RT: 14.23 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE

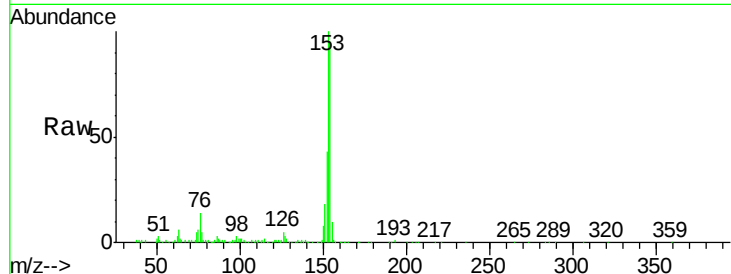
Tgt Ion:153 Resp: 113363

Ion Ratio Lower Upper

153 100

152 43.2 38.7 58.1

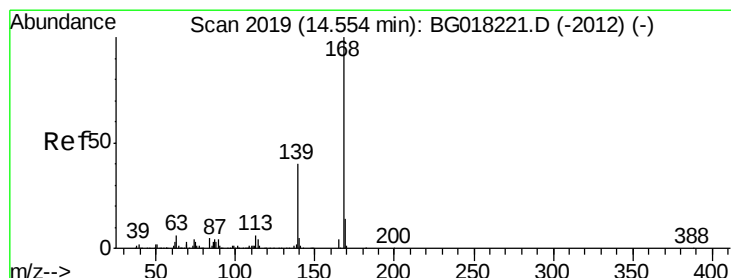
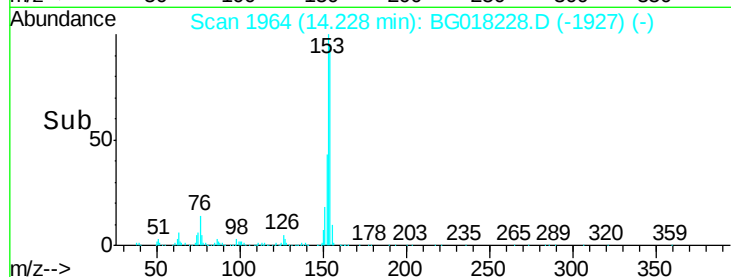
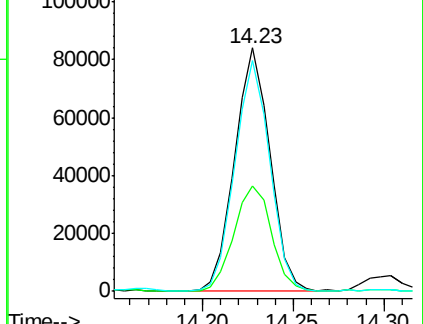
154 94.6 74.8 112.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 2.12 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018228.D

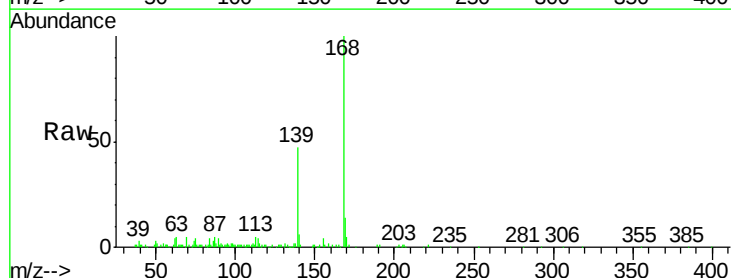
Acq: 2 Aug 2015 16:25

Tgt Ion:168 Resp: 72959

Ion Ratio Lower Upper

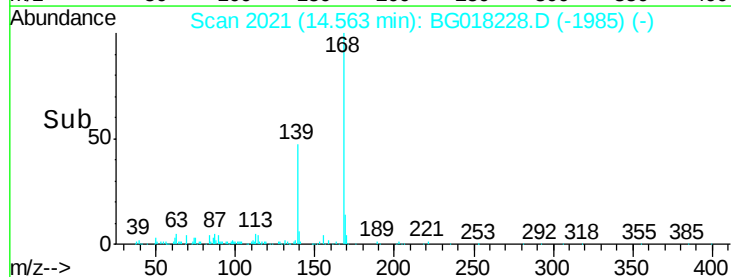
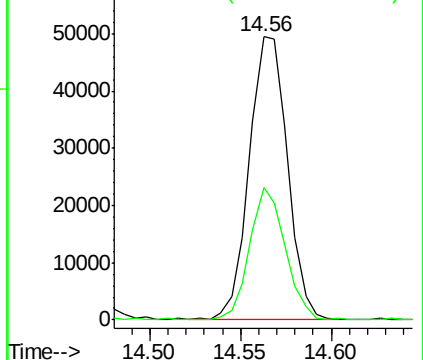
168 100

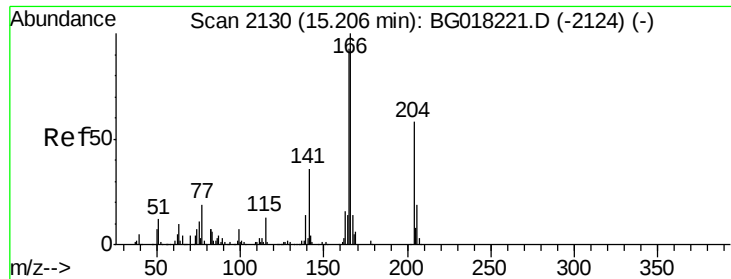
139 46.8 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.97 ng/ul

RT: 15.22 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE

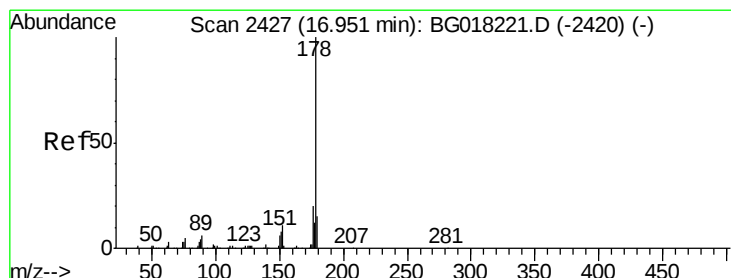
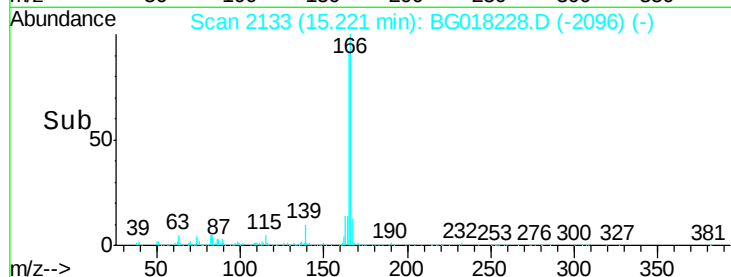
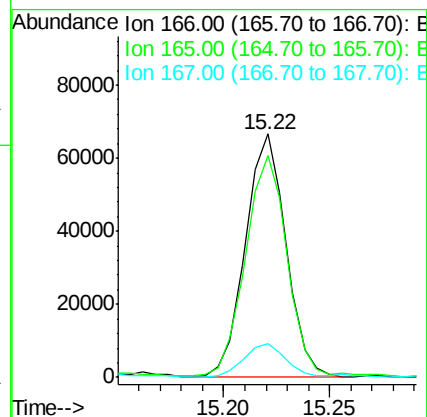
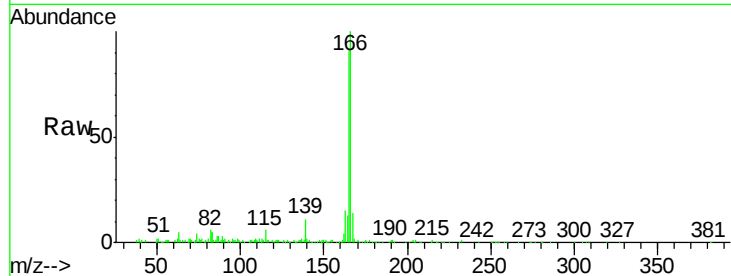
Tgt Ion:166 Resp: 88366

Ion Ratio Lower Upper

166 100

165 91.3 75.1 112.7

167 13.6 11.8 17.6



#70

Phenanthrene

Concen: 29.20 ng/ul

RT: 16.97 min Scan# 2431

Delta R.T. 0.02 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

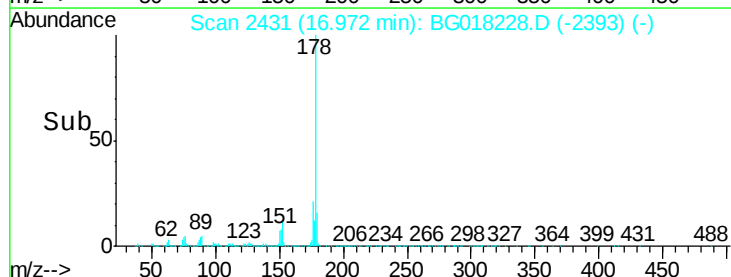
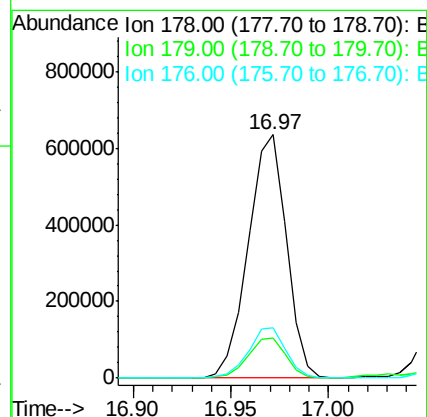
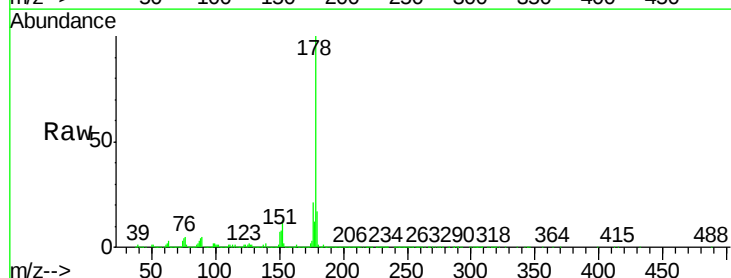
Tgt Ion:178 Resp: 861713

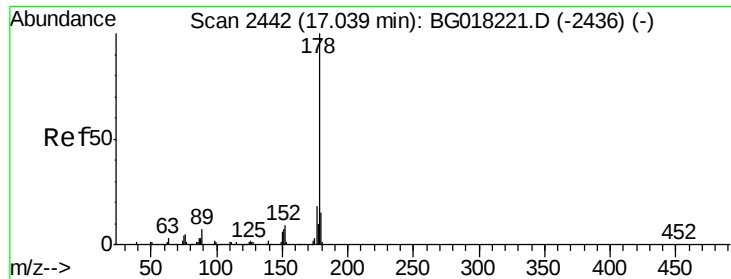
Ion Ratio Lower Upper

178 100

179 16.5 12.8 19.2

176 20.9 16.0 24.0





#72

Anthracene

Concen: 7.53 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE

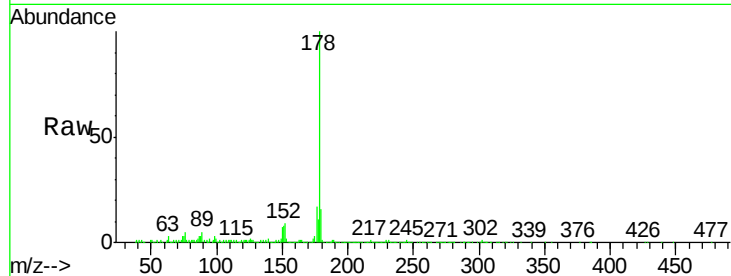
Tgt Ion:178 Resp: 221078

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

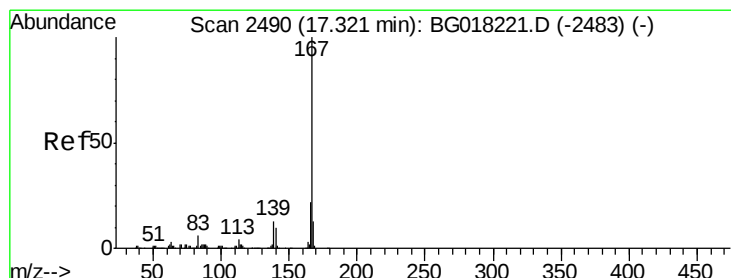
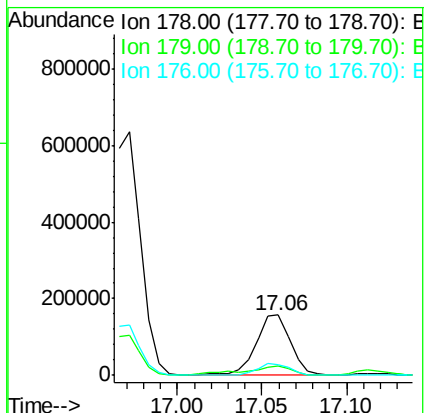
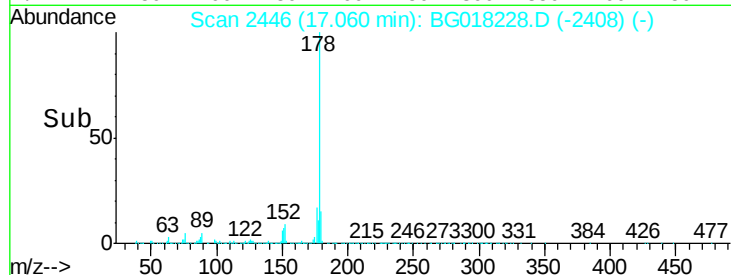
176 17.4 14.8 22.2



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



#75

Carbazole

Concen: 3.30 ng/ul

RT: 17.34 min Scan# 2493

Delta R.T. 0.01 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

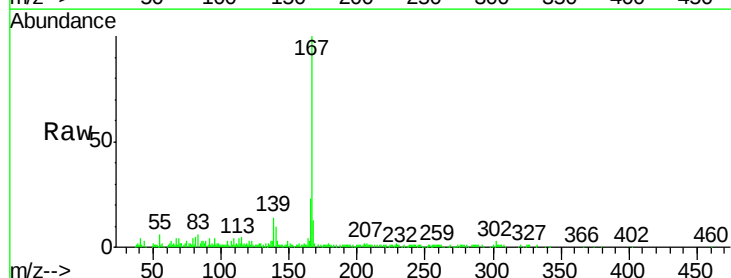
Tgt Ion:167 Resp: 80484

Ion Ratio Lower Upper

167 100

166 22.5 17.5 26.3

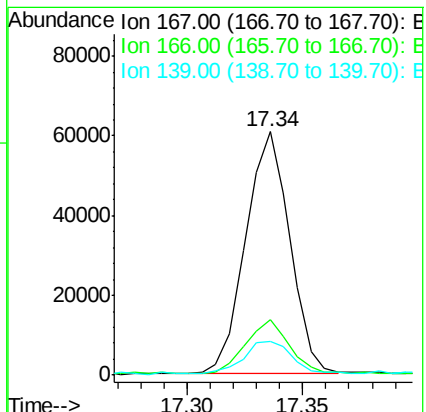
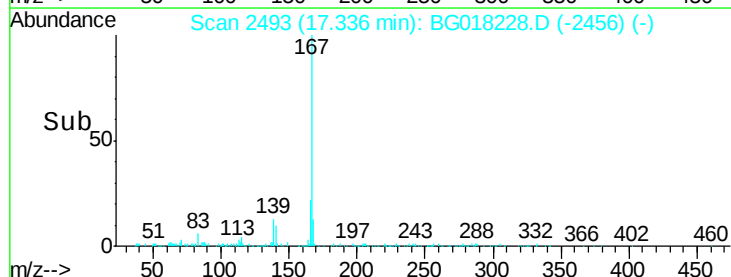
139 13.7 10.1 15.1

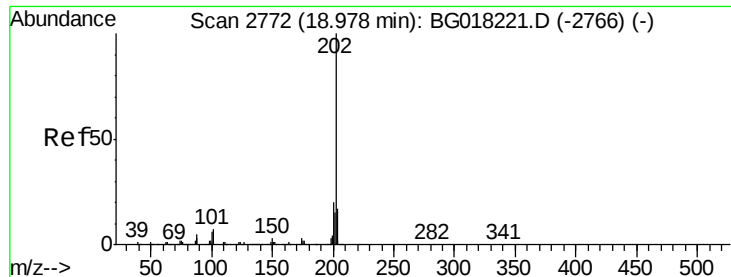


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 32.80 ng/ul

RT: 19.00 min Scan# 2777

Delta R.T. 0.03 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE

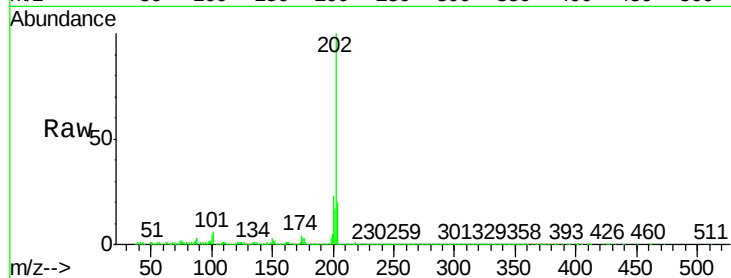
Tgt Ion:202 Resp: 1063107

Ion Ratio Lower Upper

202 100

101 6.2 7.5 11.3#

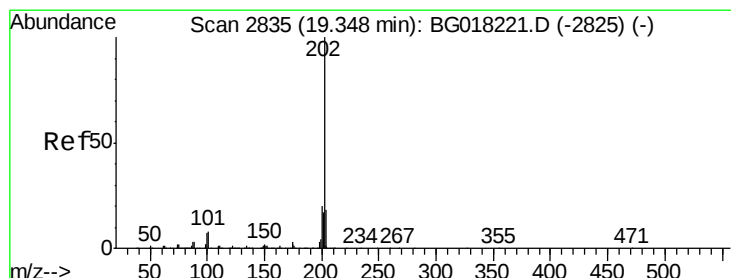
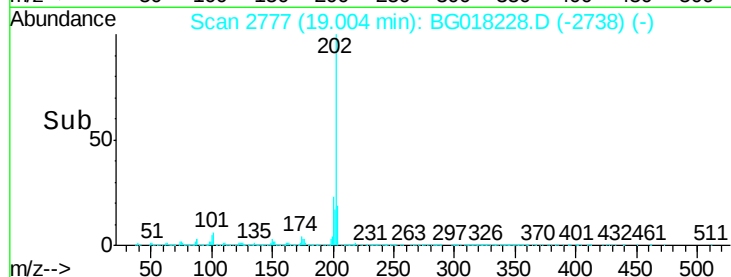
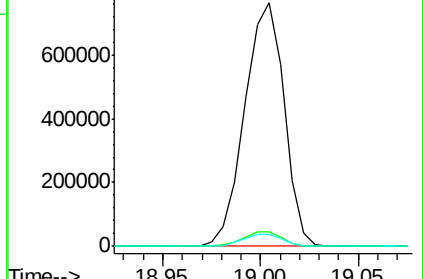
100 5.0 5.5 8.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 23.02 ng/ul

RT: 19.37 min Scan# 2839

Delta R.T. 0.02 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

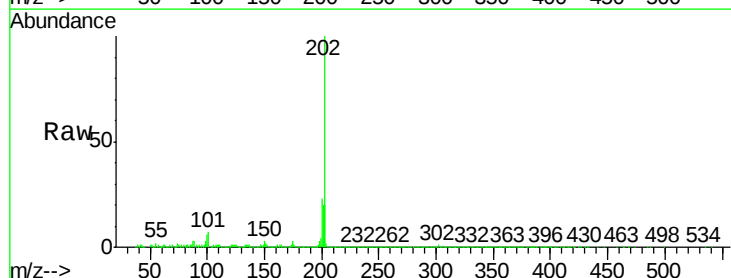
Tgt Ion:202 Resp: 911891

Ion Ratio Lower Upper

202 100

101 7.0 8.1 12.1#

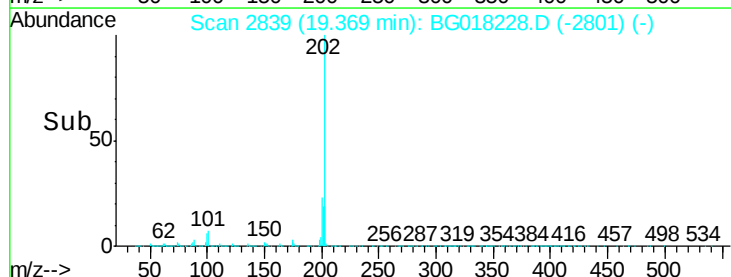
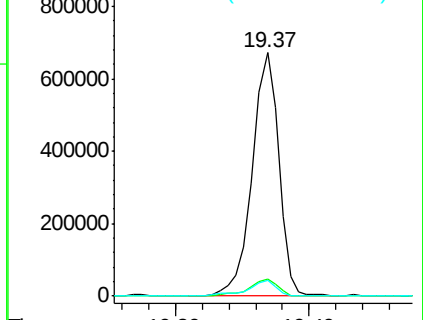
100 6.2 7.4 11.0#

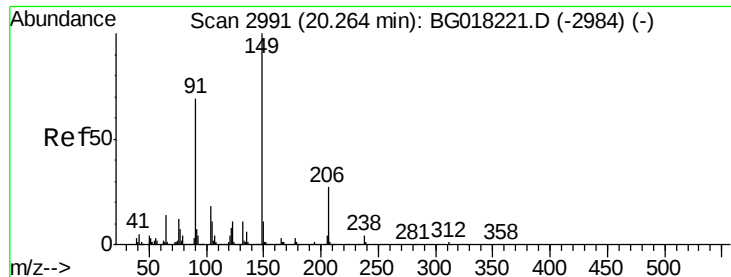


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Butylbenzylphthalate

Concen: 4.44 ng/ul

RT: 20.27 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE

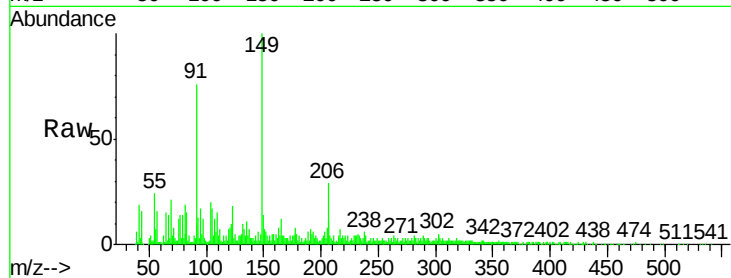
Tgt Ion:149 Resp: 71429

Ion Ratio Lower Upper

149 100

91 75.5 46.6 69.8#

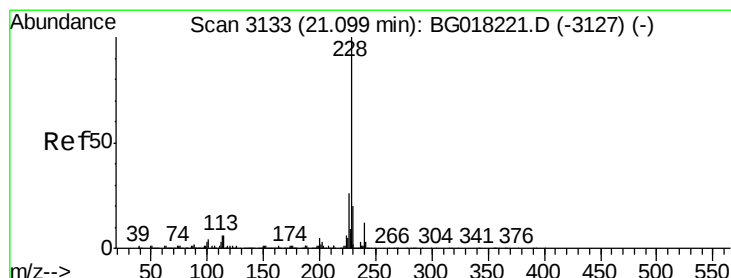
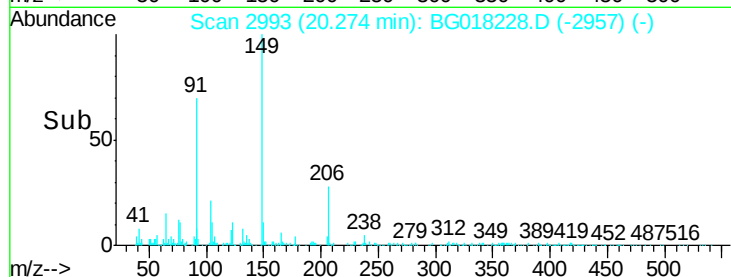
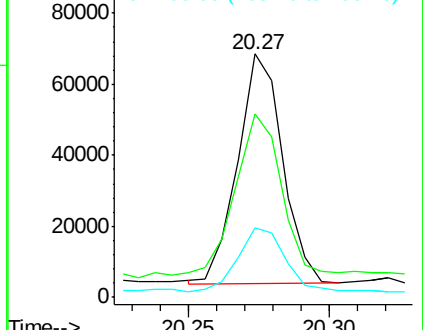
206 28.7 21.8 32.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG018221.D (-2984) (-)

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 15.22 ng/ul

RT: 21.13 min Scan# 3138

Delta R.T. 0.03 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

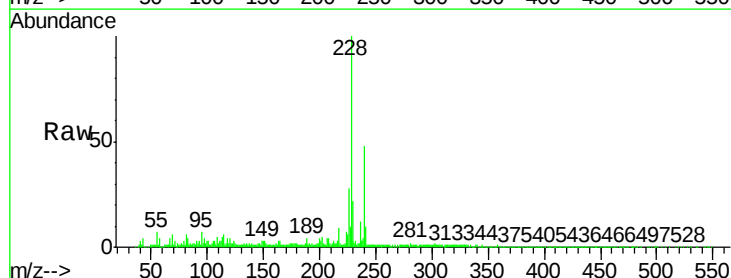
Tgt Ion:228 Resp: 535122

Ion Ratio Lower Upper

228 100

229 22.2 16.5 24.7

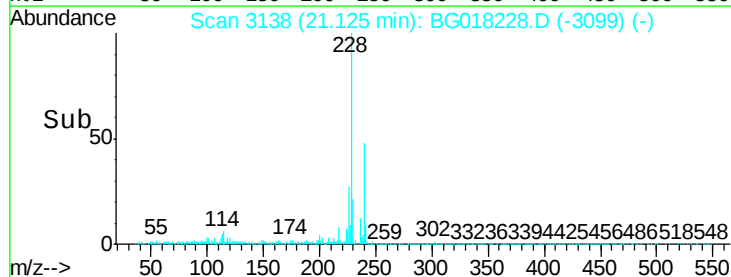
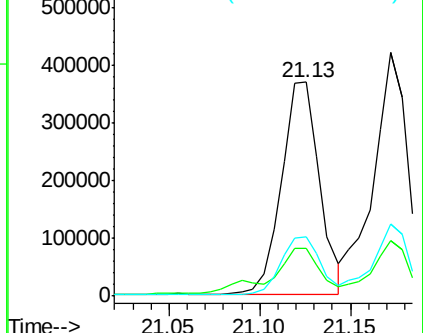
226 27.8 21.5 32.3

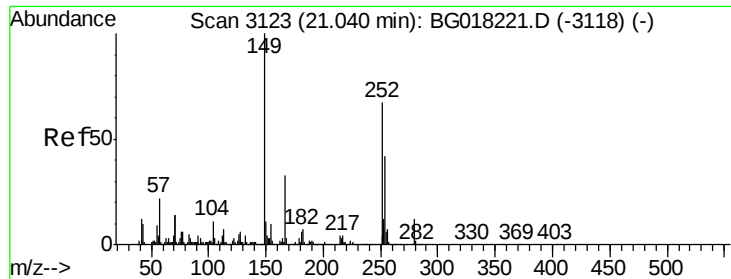


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

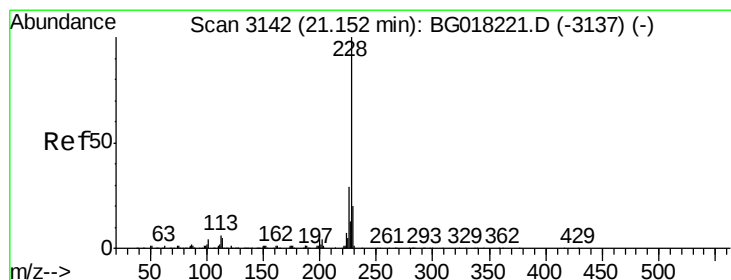
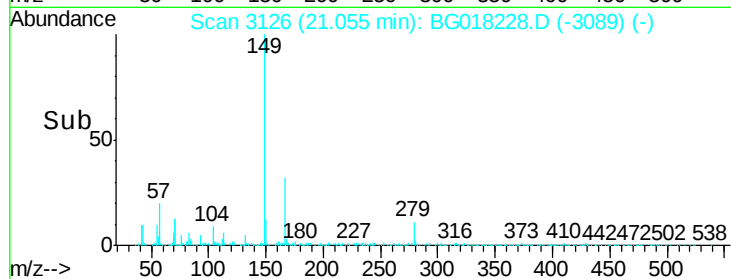
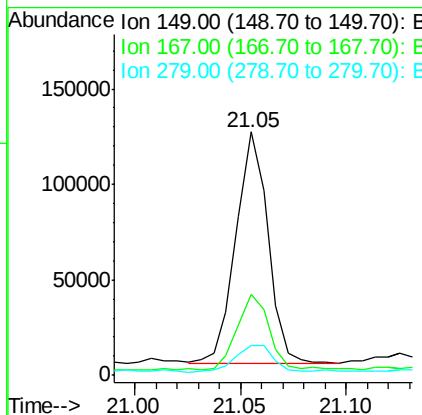
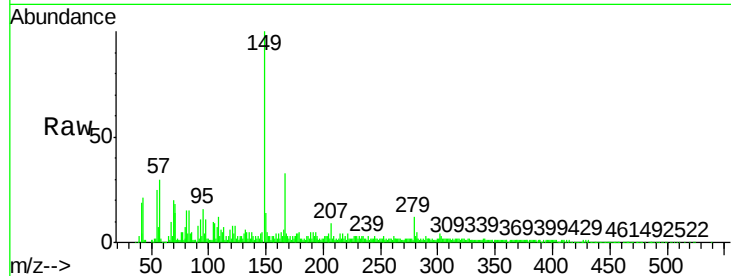




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.88 ng/ul
RT: 21.05 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BG018228.D
Acq: 2 Aug 2015 16:25

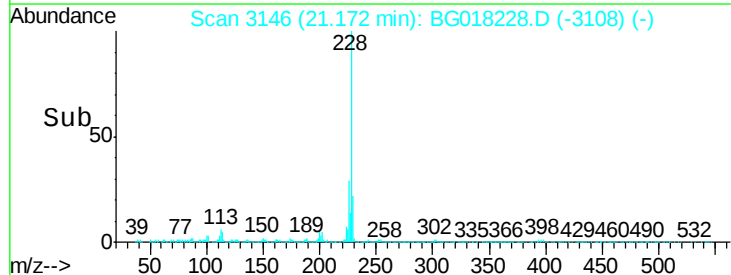
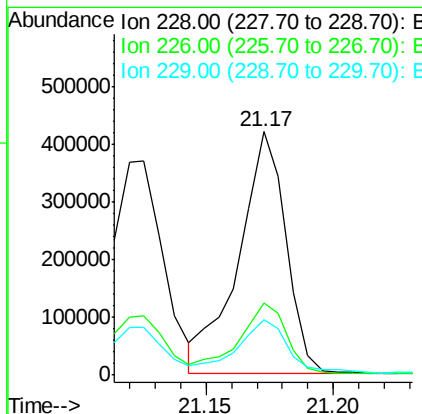
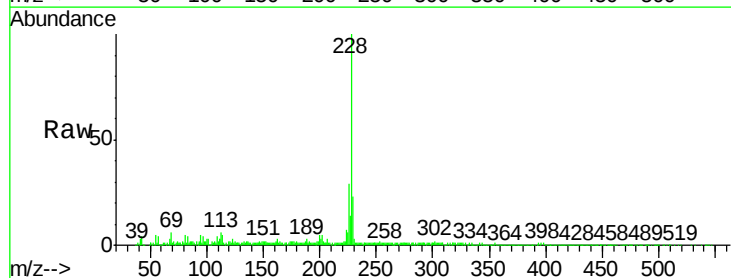
Instrument :
BNA_G
ClientSampleId :
C02G7RE

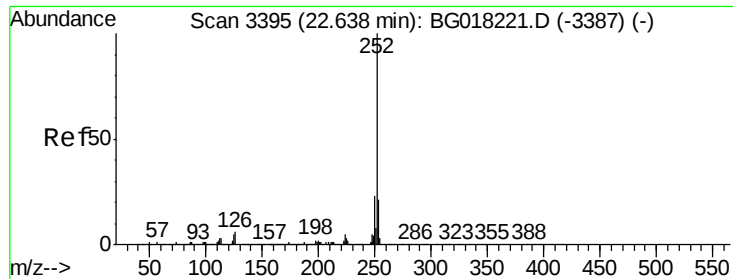
Tgt Ion:149 Resp: 127568
Ion Ratio Lower Upper
149 100
167 33.0 27.4 41.2
279 12.3 8.3 12.5



#85
Chrysene
Concen: 16.94 ng/ul
RT: 21.17 min Scan# 3146
Delta R.T. 0.02 min
Lab File: BG018228.D
Acq: 2 Aug 2015 16:25

Tgt Ion:228 Resp: 545699
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 22.8 16.2 24.2





#88

Benzo(b)fluoranthene

Concen: 18.42 ng/ul

RT: 22.68 min Scan# 3402

Delta R.T. 0.04 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

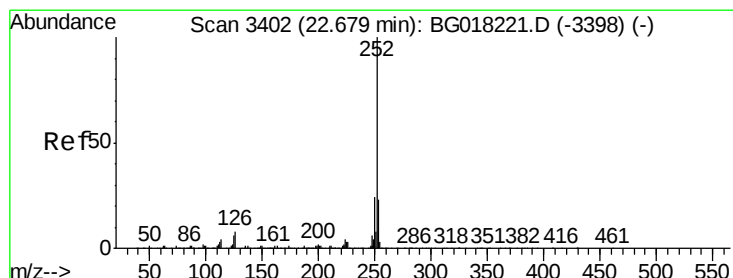
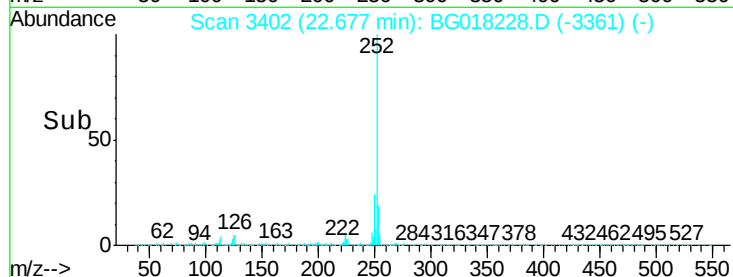
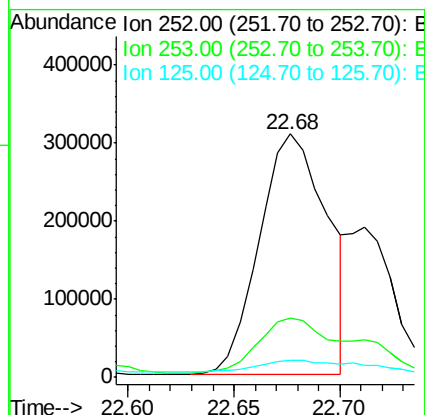
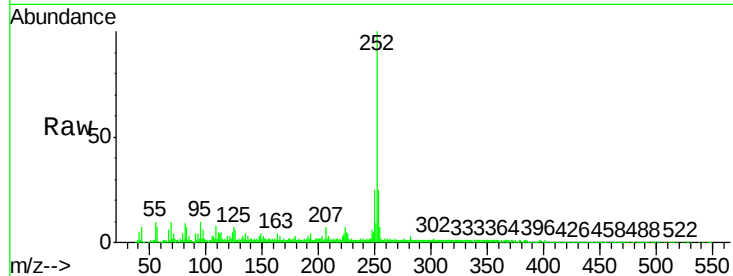
Instrument :

BNA_G

ClientSampleId :

C02G7RE

Tgt Ion:	252	Resp:	686393
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	7.1	7.4	11.0#



#89

Benzo(k)fluoranthene

Concen: 20.05 ng/ul

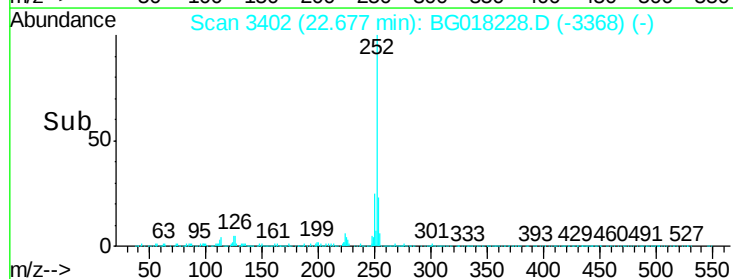
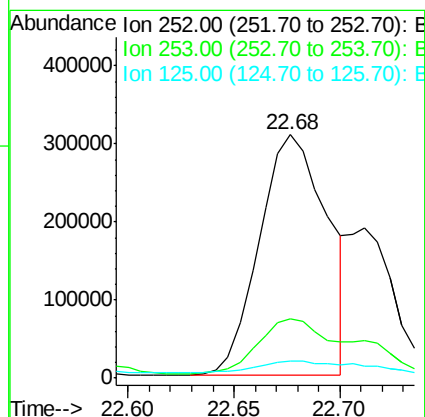
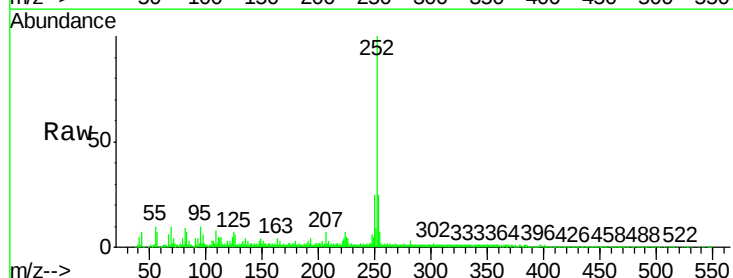
RT: 22.68 min Scan# 3402

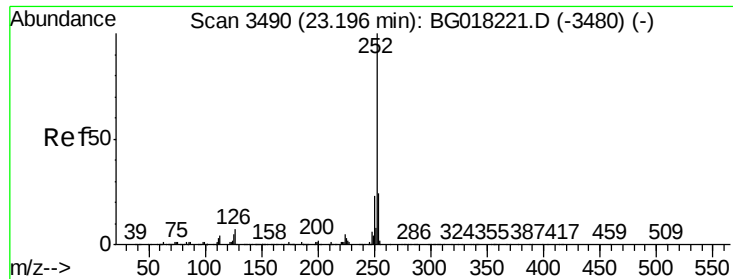
Delta R.T. -0.00 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Tgt Ion:	252	Resp:	686393
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	7.1	7.5	11.3#





#91

Benzo(a)pyrene

Concen: 13.33 ng/ul

RT: 23.24 min Scan# 3498

Delta R.T. 0.04 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE

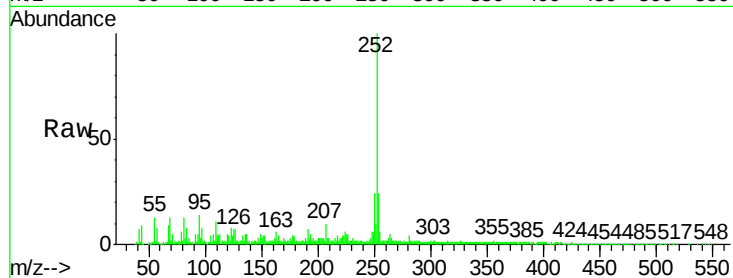
Tgt Ion:252 Resp: 444268

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

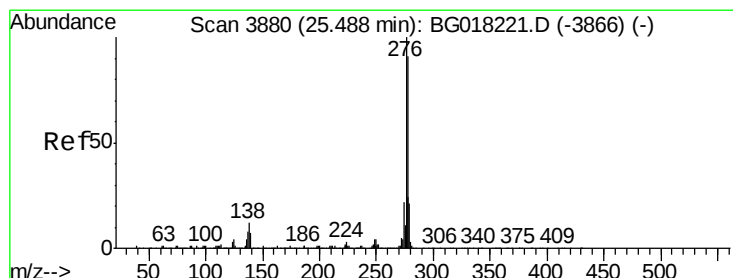
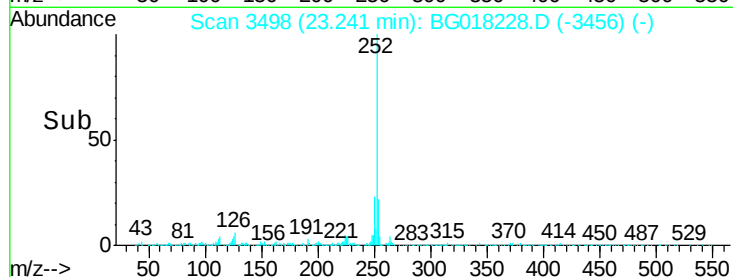
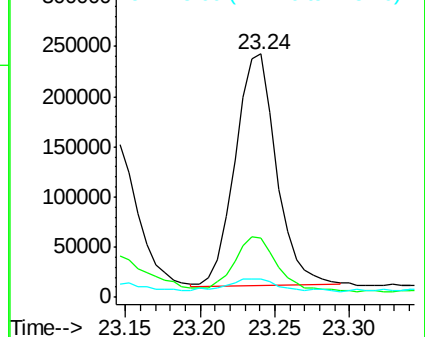
125 7.4 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.71 ng/ul

RT: 25.56 min Scan# 3892

Delta R.T. 0.07 min

Lab File: BG018228.D

Acq: 2 Aug 2015 16:25

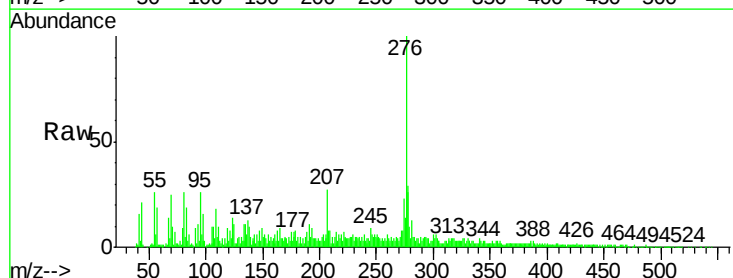
Tgt Ion:276 Resp: 220198

Ion Ratio Lower Upper

276 100

138 10.4 17.2 25.8#

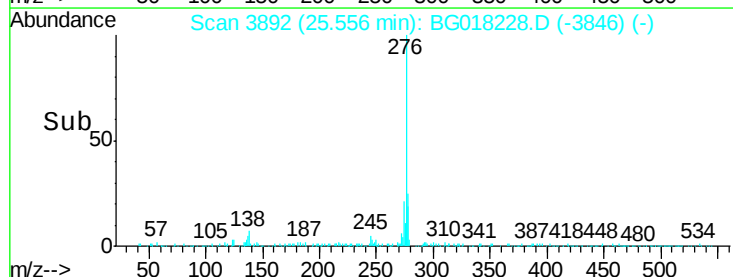
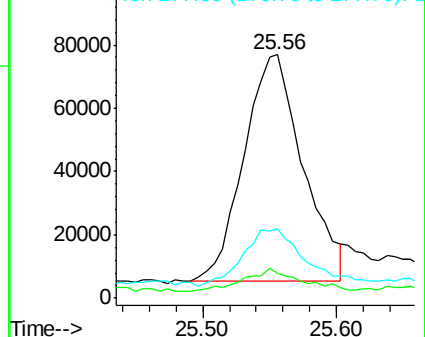
277 28.5 19.5 29.3

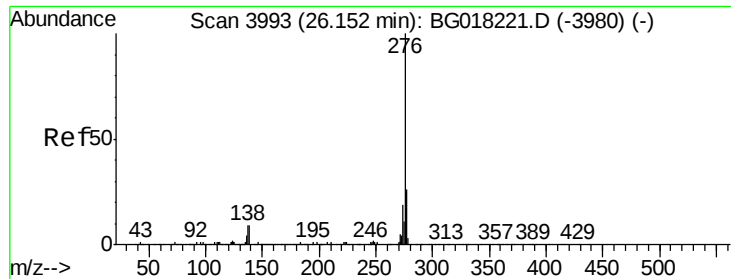


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 5.50 ng/ul

RT: 26.23 min Scan# 4007

Delta R.T. 0.08 min

Lab File: BG018228.D

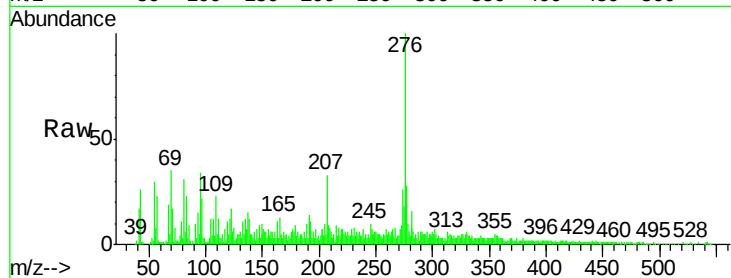
Acq: 2 Aug 2015 16:25

Instrument :

BNA_G

ClientSampleId :

C02G7RE



Tgt Ion:	276	Resp:	173308
Ion	Ratio	Lower	Upper
276	100		
138	11.6	15.1	22.7#
277	27.8	19.8	29.6

