

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082117\
 Data File : BG028404.D
 Acq On : 22 Aug 2017 1:18
 Operator : SJ/JU
 Sample : I4717-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E7GD3

Quant Time: Aug 22 13:58:44 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 22 04:33:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	44716	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	184819	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	135906	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	323183	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	376643	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	367372	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	2949	3.07	ng/uL	0.00
5) Phenol-d5	7.50	99	66091	13.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	39240	12.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	48822	15.76	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	57255	13.95	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	24728	17.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	29506	18.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	57840	17.64	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	54979	15.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	201281	16.65	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	230279	16.90	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	14489	7.54	ng/ul	0.01
57) Fluorene-d10	15.94	176	174412	16.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	18357	8.74	ng/ul	0.00
70) Anthracene-d10	17.80	188	288624	18.62	ng/ul	0.00
76) Pyrene-d10	20.08	212	337148	17.46	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	313640	18.24	ng/ul	0.01

Target Compounds

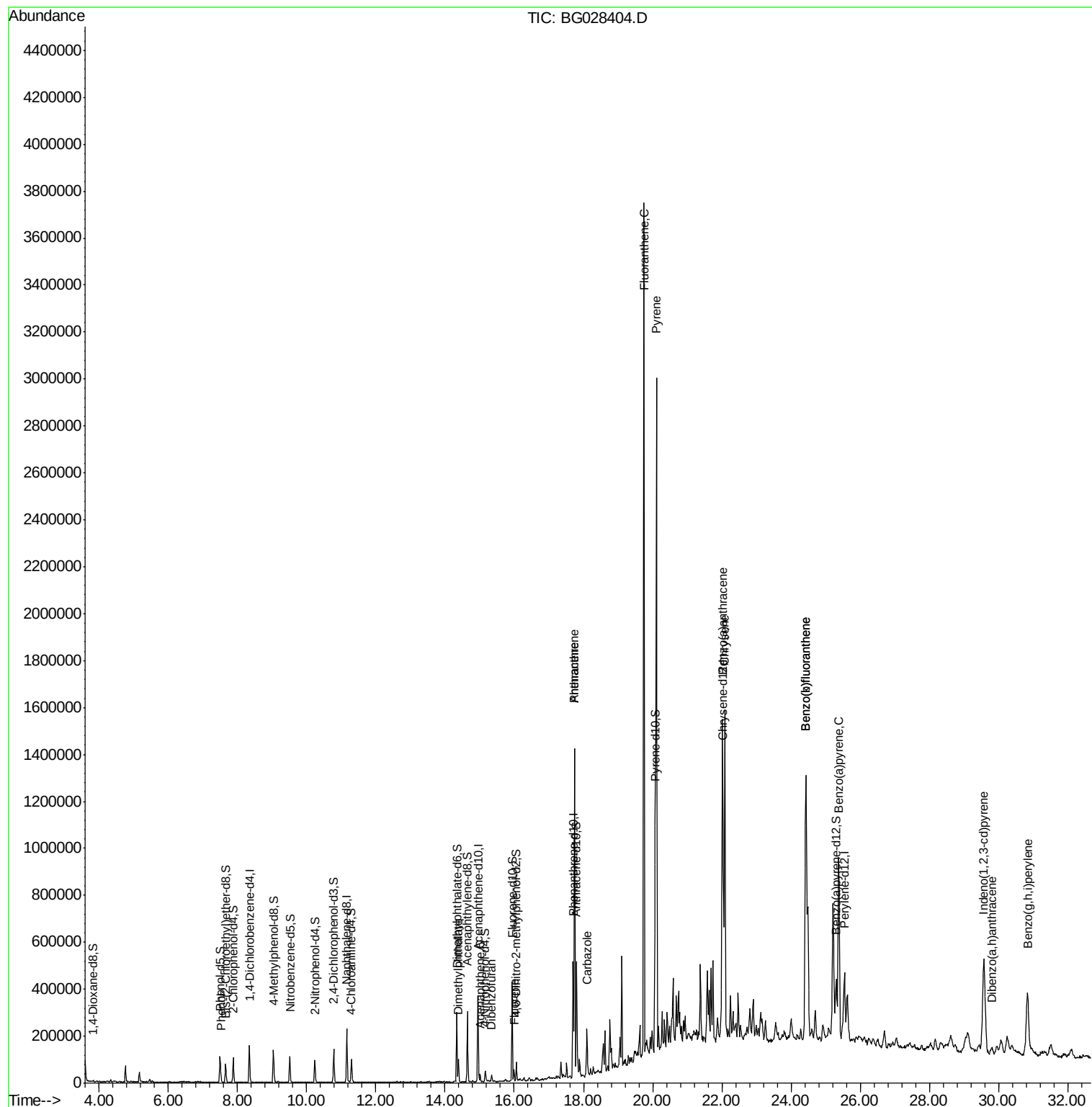
					Qvalue	
6) Phenol	7.53	94	4987	1.022	ng/ul#	84
44) Dimethylphthalate	14.38	163	59884	5.380	ng/ul	99
49) Acenaphthene	15.01	153	15313	1.743	ng/ul	88
53) Dibenzofuran	15.35	168	14264	1.113	ng/ul	92
58) Fluorene	15.99	166	23233	2.048	ng/ul	95
69) Phenanthrene	17.75	178	896651	55.130	ng/ul	97
71) Anthracene	17.75	178	896651	53.941	ng/ul	98
72) Carbazole	18.10	167	130079	8.998	ng/ul	98
74) Fluoranthene	19.75	202	2349757	118.878	ng/ul	99
77) Pyrene	20.11	202	1858414	82.703	ng/ul	99
80) Benzo(a)anthracene	22.01	228	875886	40.248	ng/ul	99
82) Chrysene	22.09	228	1131944	57.754	ng/ul	96
85) Benzo(b)fluoranthene	24.43	252	1584845	72.091	ng/ul#	98
86) Benzo(k)fluoranthene	24.43	252	1584845	73.803	ng/ul	99
88) Benzo(a)pyrene	25.38	252	923733	43.397	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.57	276	783041	31.414	ng/ul	98
90) Dibenzo(a,h)anthracene	29.80	278	49604	2.374	ng/ul	93
91) Benzo(g,h,i)perylene	30.84	276	617948	30.135	ng/ul	94

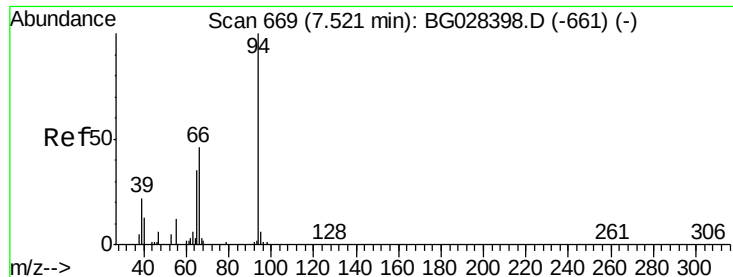
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.022 ng/ul

RT: 7.53 min Scan# 670

Delta R.T. 0.01 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

E7GD3

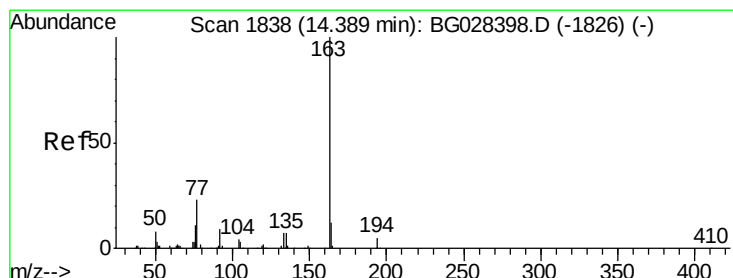
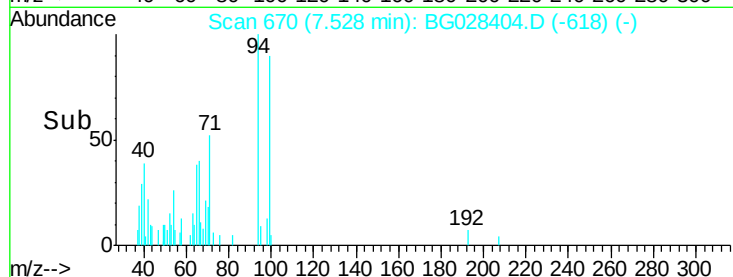
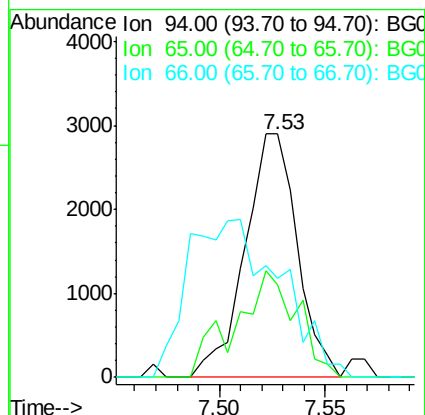
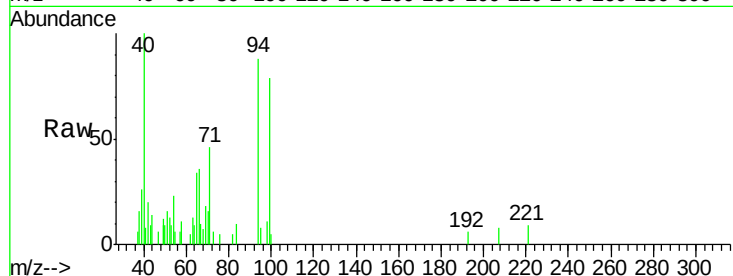
Tgt Ion: 94 Resp: 4987

Ion Ratio Lower Upper

94 100

65 38.3 26.8 40.2

66 40.4 44.4 66.6#



#44

Dimethylphthalate

Concen: 5.380 ng/ul

RT: 14.38 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

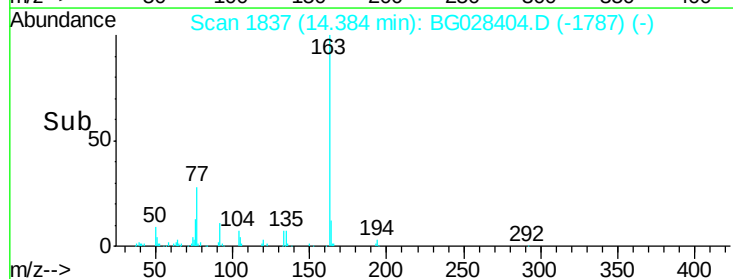
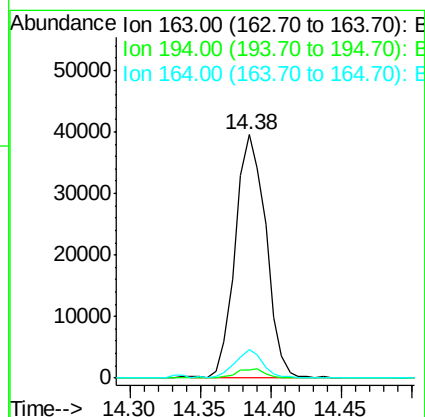
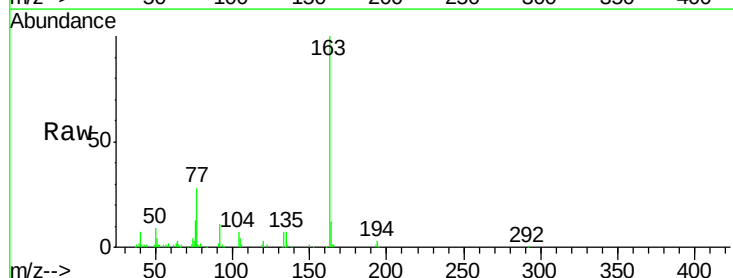
Tgt Ion: 163 Resp: 59884

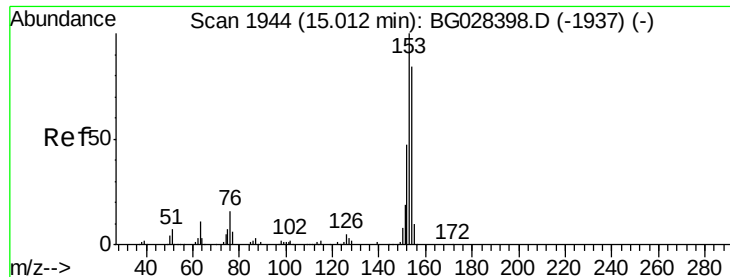
Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.0

164 11.6 9.0 13.4





#49

Acenaphthene

Concen: 1.743 ng/ul

RT: 15.01 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

E7GD3

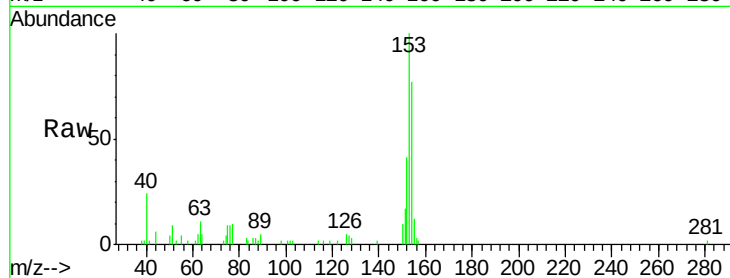
Tgt Ion:153 Resp: 15313

Ion Ratio Lower Upper

153 100

152 40.6 36.5 54.7

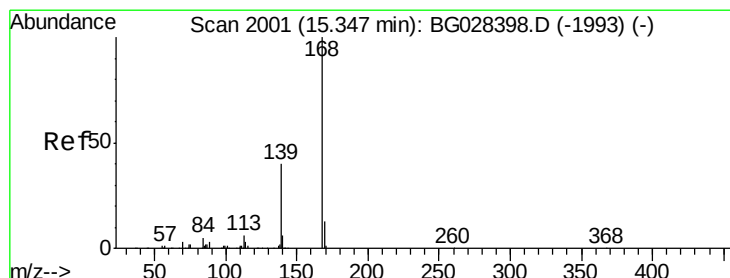
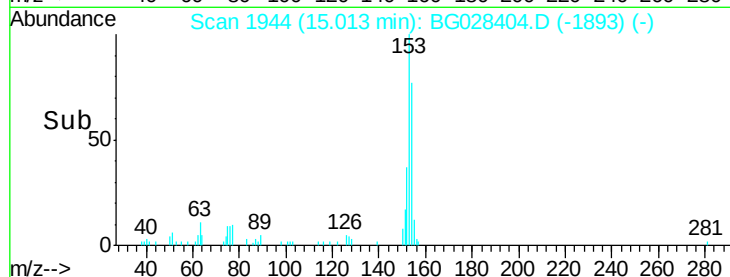
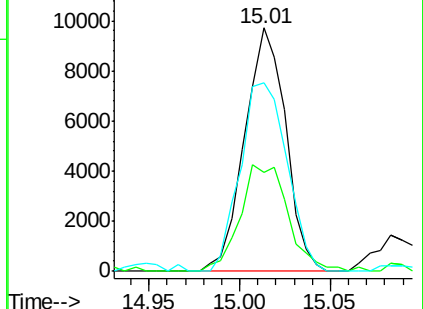
154 77.3 72.3 108.5



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



#53

Dibenzofuran

Concen: 1.113 ng/ul

RT: 15.35 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BG028404.D

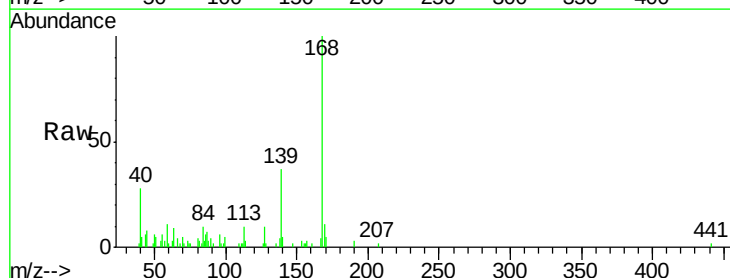
Acq: 22 Aug 2017 1:18

Tgt Ion:168 Resp: 14264

Ion Ratio Lower Upper

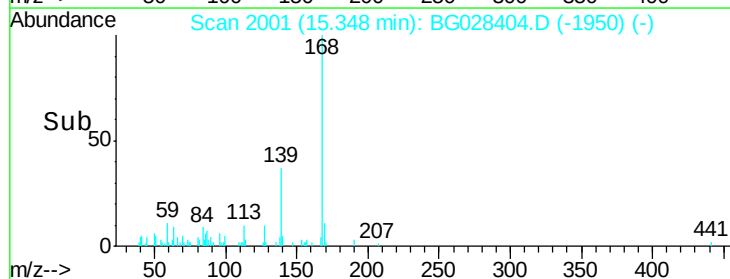
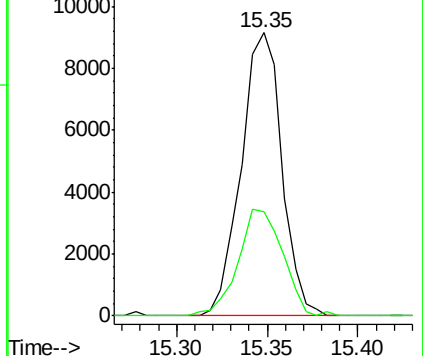
168 100

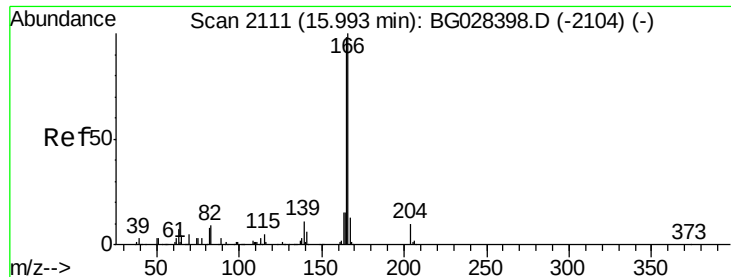
139 37.0 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.048 ng/ul

RT: 15.99 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

E7GD3

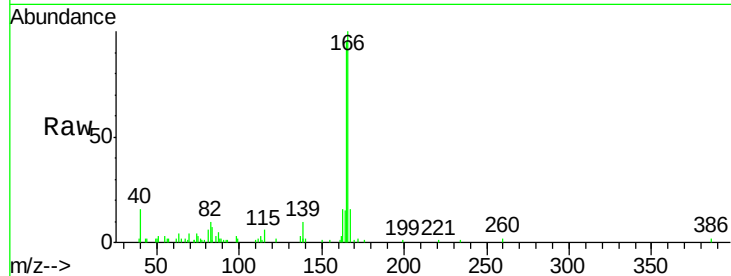
Tgt Ion:166 Resp: 23233

Ion Ratio Lower Upper

166 100

165 94.7 79.7 119.5

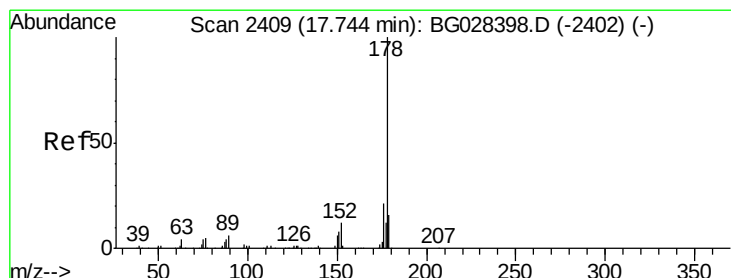
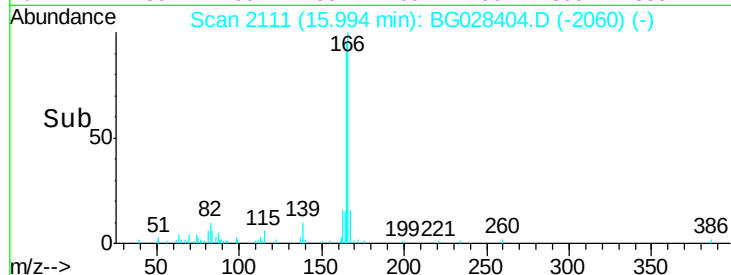
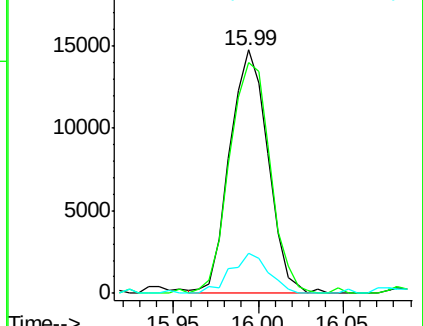
167 16.3 11.4 17.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 55.130 ng/ul

RT: 17.75 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

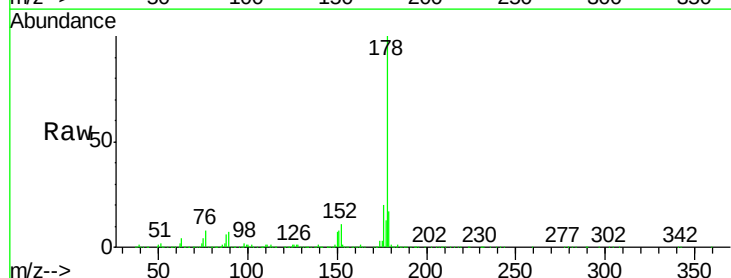
Tgt Ion:178 Resp: 896651

Ion Ratio Lower Upper

178 100

179 17.3 12.4 18.6

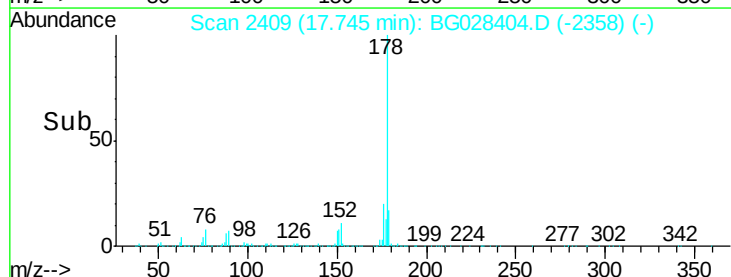
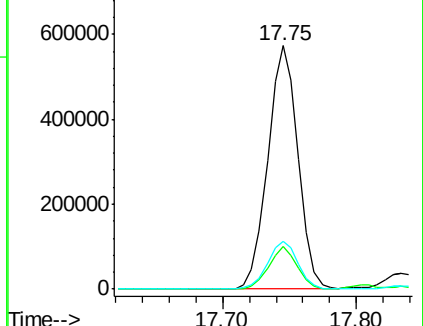
176 19.8 16.5 24.7

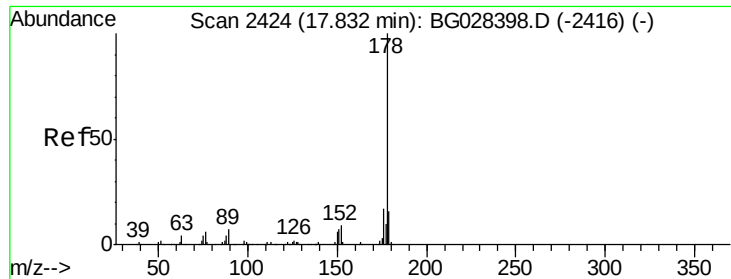


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

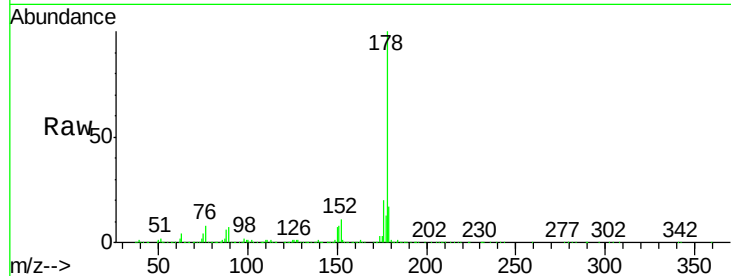




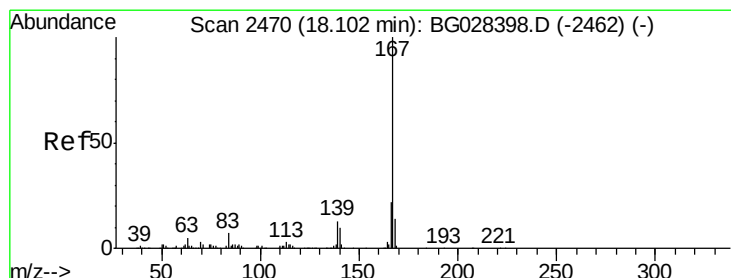
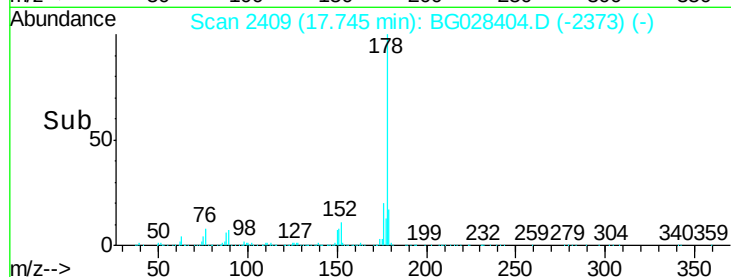
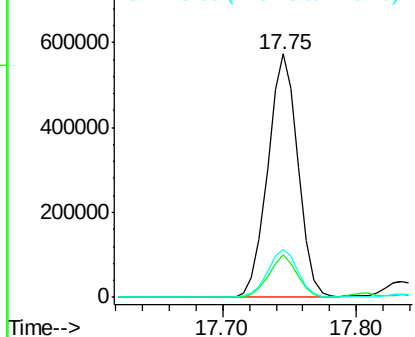
#71
 Anthracene
 Concen: 53.941 ng/ul
 RT: 17.75 min Scan# 2409
 Delta R.T. -0.09 min
 Lab File: BG028404.D
 Acq: 22 Aug 2017 1:18

Instrument :
 BNA_G
 ClientSampleId :
 E7GD3

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.6	19.0
176	19.8	15.9	23.9

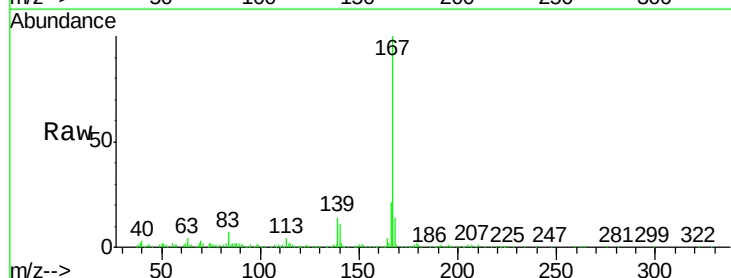


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

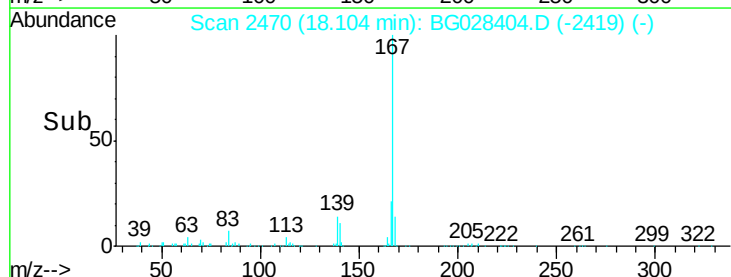
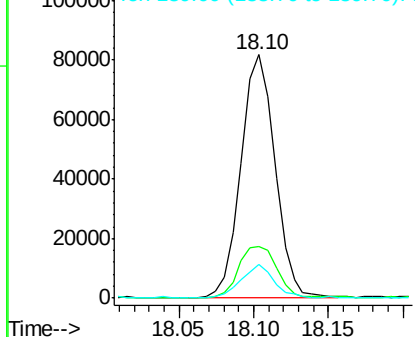


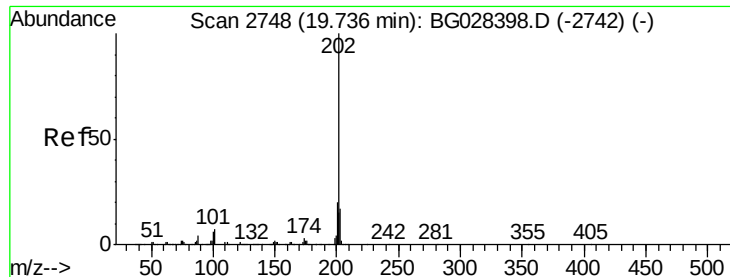
#72
 Carbazole
 Concen: 8.998 ng/ul
 RT: 18.10 min Scan# 2470
 Delta R.T. 0.00 min
 Lab File: BG028404.D
 Acq: 22 Aug 2017 1:18

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.9	26.9
139	13.8	10.5	15.7



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





#74

Fluoranthene

Concen: 118.878 ng/ul

RT: 19.75 min Scan# 2750

Delta R.T. 0.01 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

E7GD3

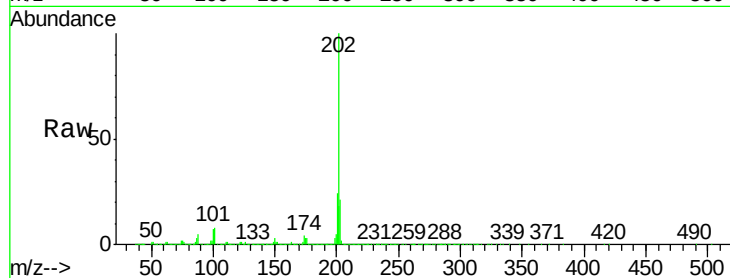
Tgt Ion:202 Resp: 2349757

Ion Ratio Lower Upper

202 100

101 8.5 6.2 9.2

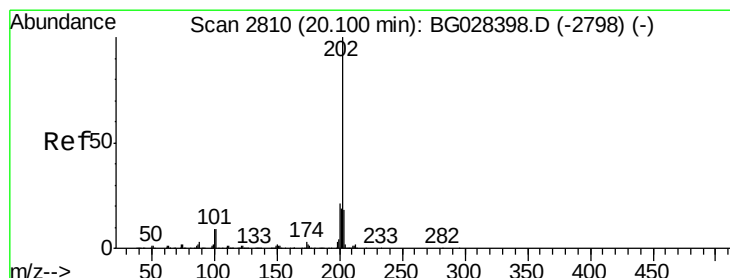
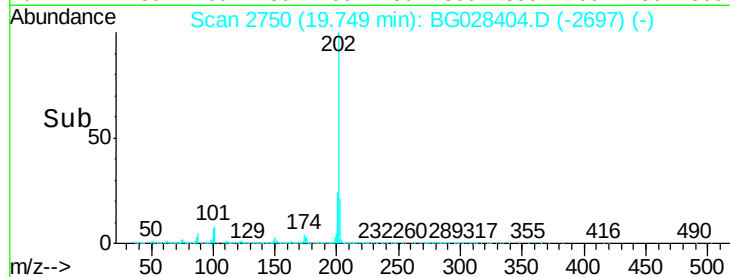
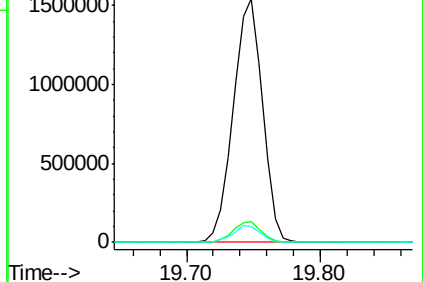
100 6.7 5.2 7.8



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



#77

Pyrene

Concen: 82.703 ng/ul

RT: 20.11 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

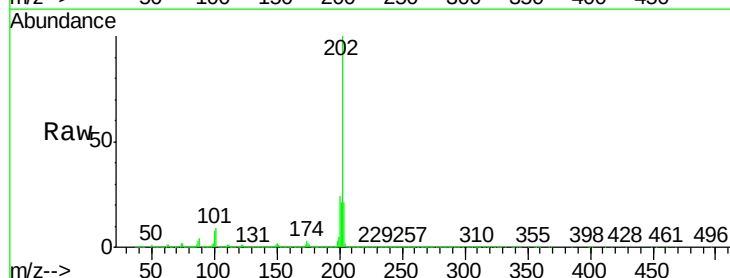
Tgt Ion:202 Resp: 1858414

Ion Ratio Lower Upper

202 100

101 9.5 6.9 10.3

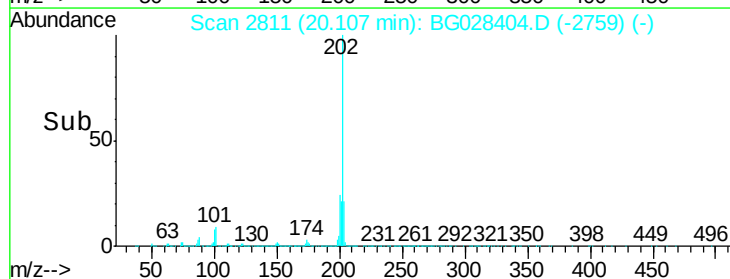
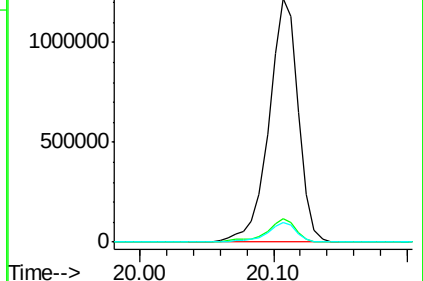
100 8.3 6.6 10.0

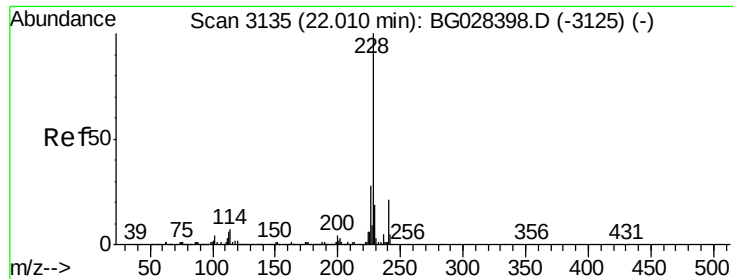


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 40.248 ng/ul

RT: 22.01 min Scan# 3135

Delta R.T. 0.00 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

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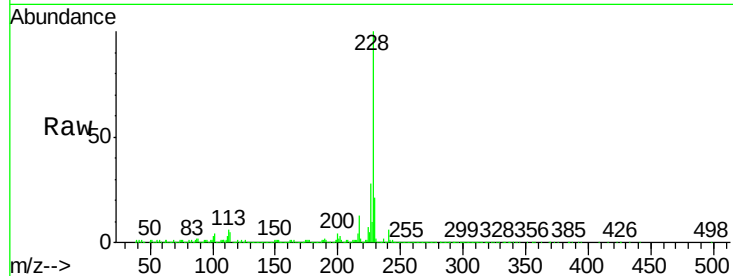
Tgt Ion:228 Resp: 875886

Ion Ratio Lower Upper

228 100

229 20.8 16.3 24.5

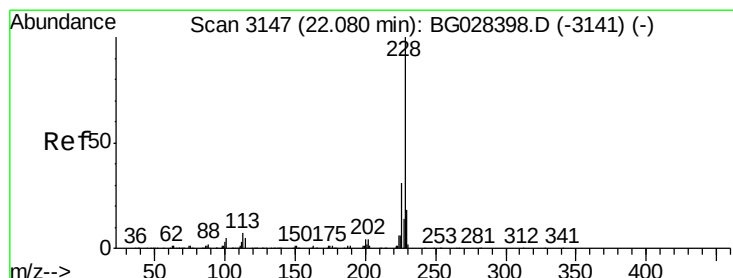
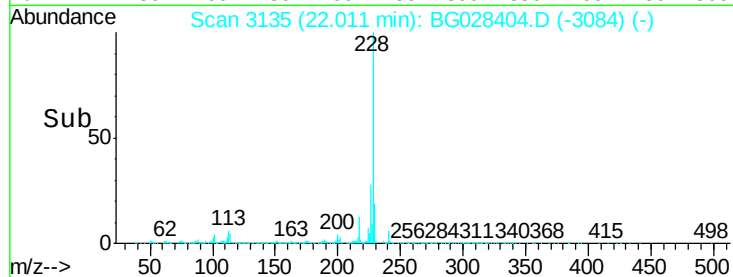
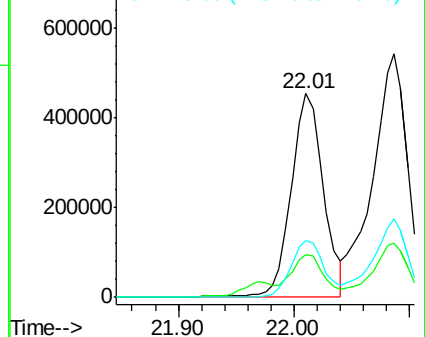
226 28.0 21.9 32.9



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



#82

Chrysene

Concen: 57.754 ng/ul

RT: 22.09 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

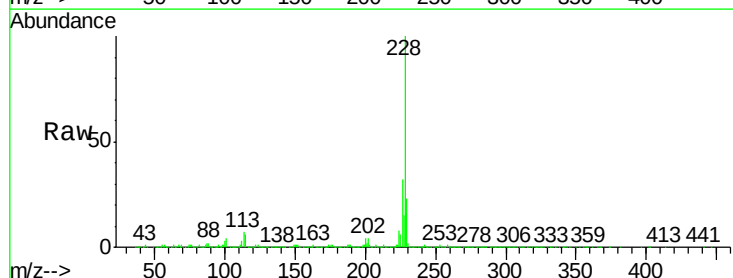
Tgt Ion:228 Resp: 1131944

Ion Ratio Lower Upper

228 100

226 32.2 24.0 36.0

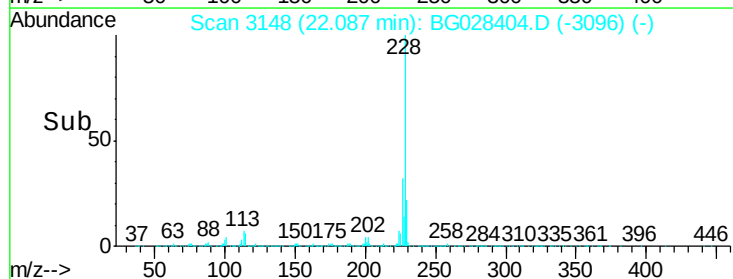
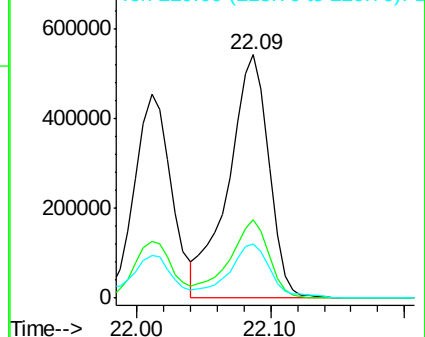
229 22.5 16.9 25.3

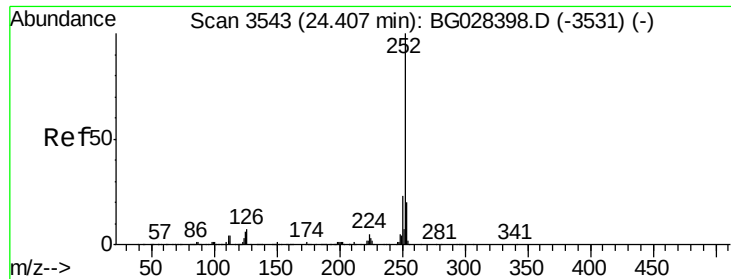


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 72.091 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. 0.02 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

E7GD3

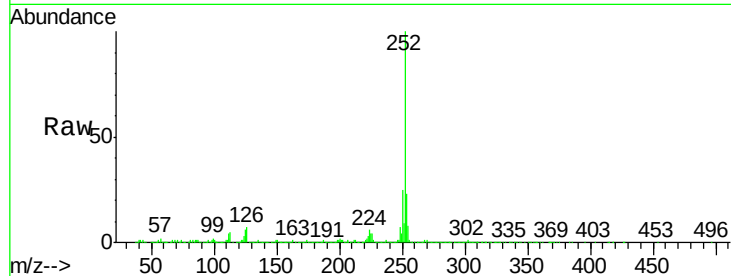
Tgt Ion:252 Resp: 1584845

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

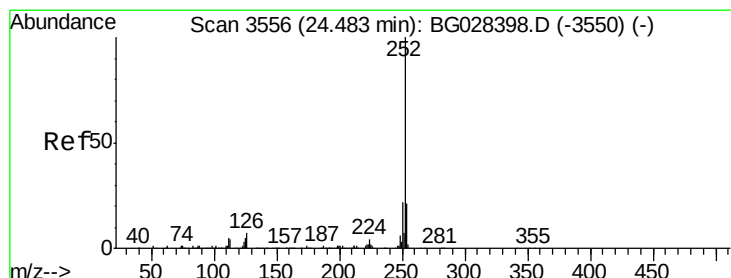
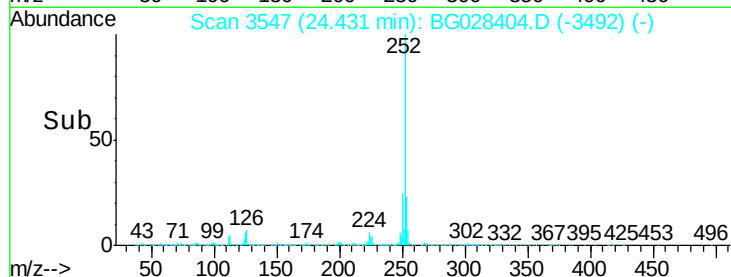
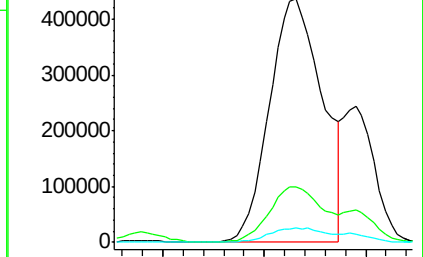
125 6.0 4.0 6.0#



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



#86

Benzo(k)fluoranthene

Concen: 73.803 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. -0.05 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

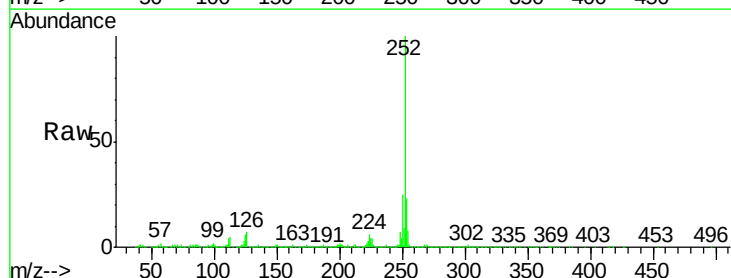
Tgt Ion:252 Resp: 1584845

Ion Ratio Lower Upper

252 100

253 22.7 18.5 27.7

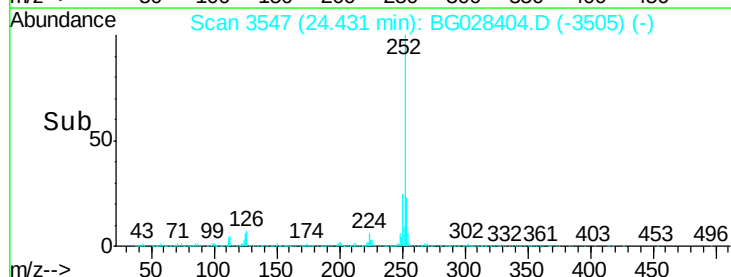
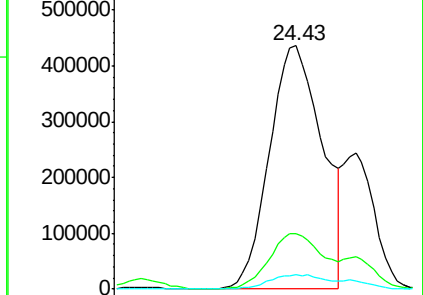
125 6.0 4.1 6.1

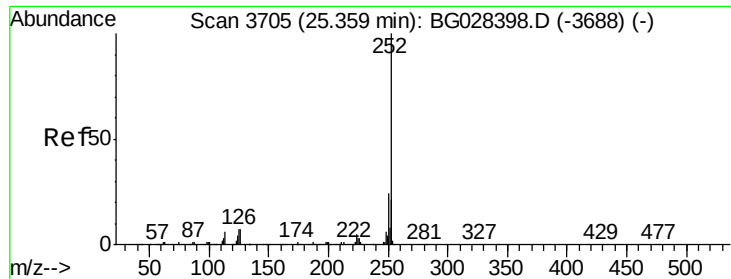


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 43.397 ng/ul

RT: 25.38 min Scan# 3708

Delta R.T. 0.02 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

E7GD3

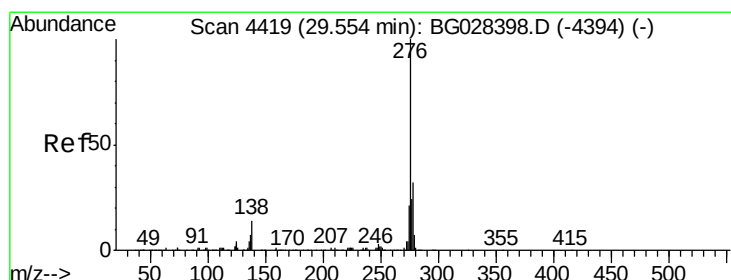
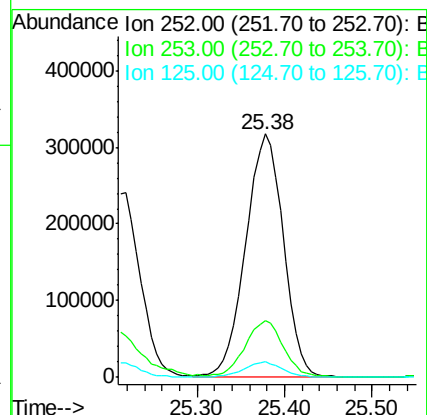
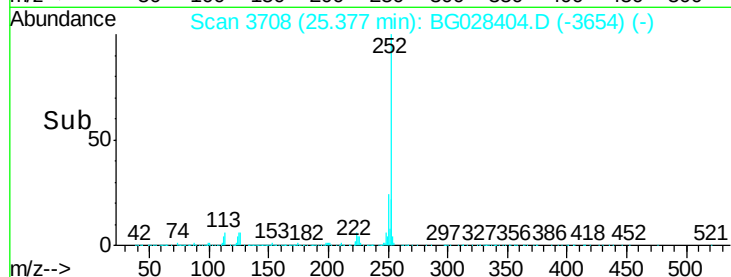
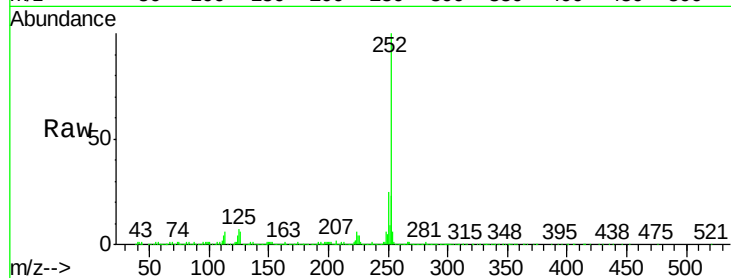
Tgt Ion:252 Resp: 923733

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 6.5 5.4 8.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 31.414 ng/ul

RT: 29.57 min Scan# 4422

Delta R.T. 0.02 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

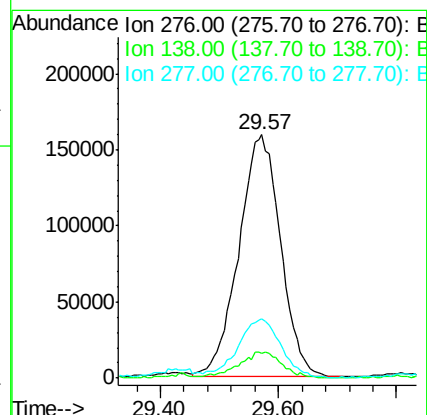
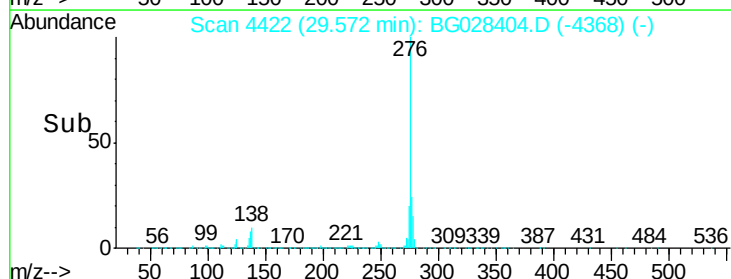
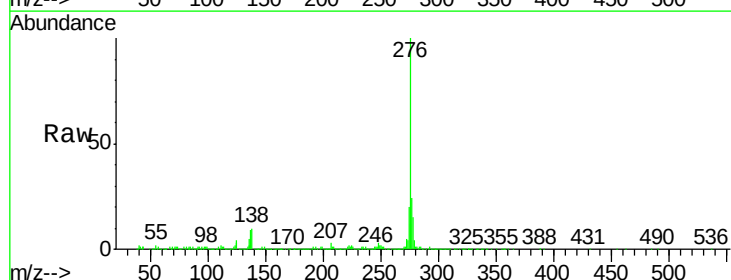
Tgt Ion:276 Resp: 783041

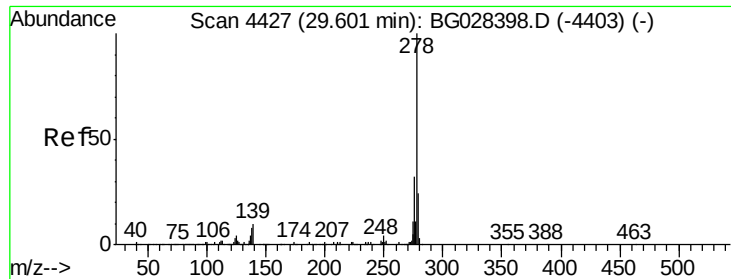
Ion Ratio Lower Upper

276 100

138 10.3 8.2 12.4

277 24.5 18.6 28.0





#90

Dibenzo(a,h)anthracene

Concen: 2.374 ng/ul

RT: 29.80 min Scan# 4461

Delta R.T. 0.20 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

E7GD3

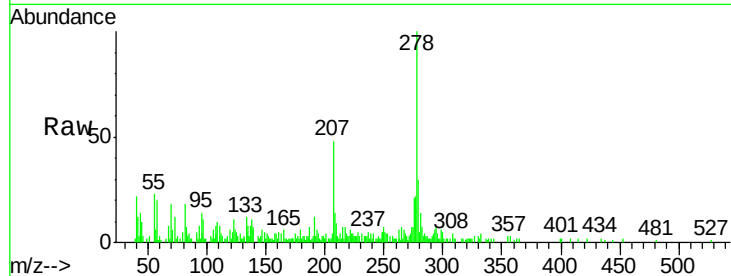
Tgt Ion:278 Resp: 49604

Ion Ratio Lower Upper

278 100

139 6.9 6.7 10.1

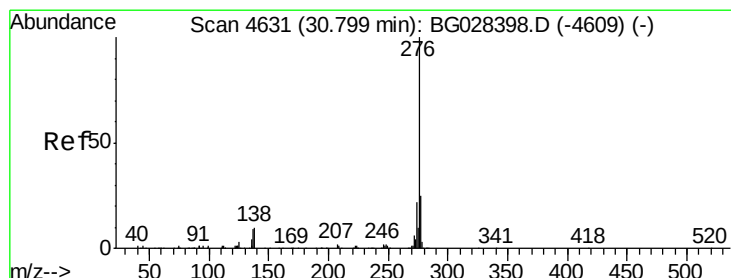
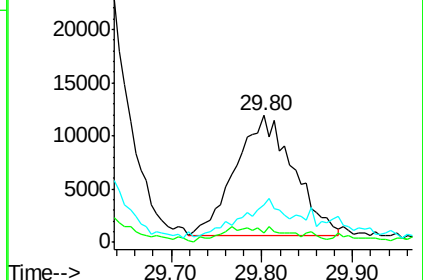
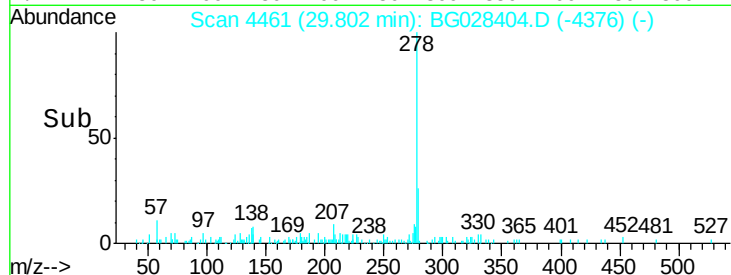
279 29.9 20.9 31.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 30.135 ng/ul

RT: 30.84 min Scan# 4637

Delta R.T. 0.04 min

Lab File: BG028404.D

Acq: 22 Aug 2017 1:18

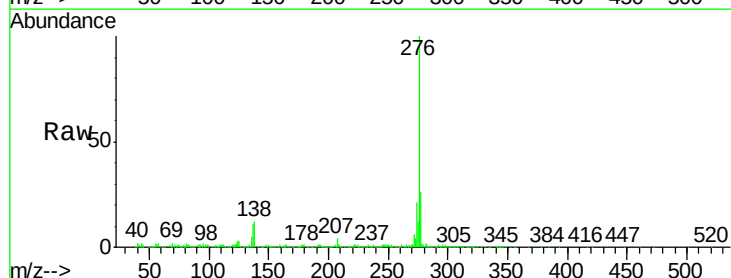
Tgt Ion:276 Resp: 617948

Ion Ratio Lower Upper

276 100

138 11.5 8.6 12.8

277 25.5 17.6 26.4



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

