

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
 Data File : BG022050.D
 Acq On : 23 May 2016 17:16
 Operator : UM/SJ
 Sample : H3124-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 24 07:44:59 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 07:40:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42227	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	217743	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	116020	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	218294	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	187483	20.00	ng/ul	0.00
83) Perylene-d12	25.15	264	175272	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2739	3.38	ng/uL	0.00
5) Phenol-d5	7.31	99	69438	18.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	37253	18.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	62586	19.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	59700	18.45	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	30918	19.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	33224	19.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	57421	18.71	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	63203	18.91	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	173537	19.91	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	236061	19.40	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	15310	10.20	ng/ul	0.00
57) Fluorene-d10	15.78	176	151872	18.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	15599	13.67	ng/ul	0.00
70) Anthracene-d10	17.63	188	206841	19.74	ng/ul	0.00
76) Pyrene-d10	19.91	212	207141	19.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.92	264	171227	21.05	ng/ul	0.00

Target Compounds

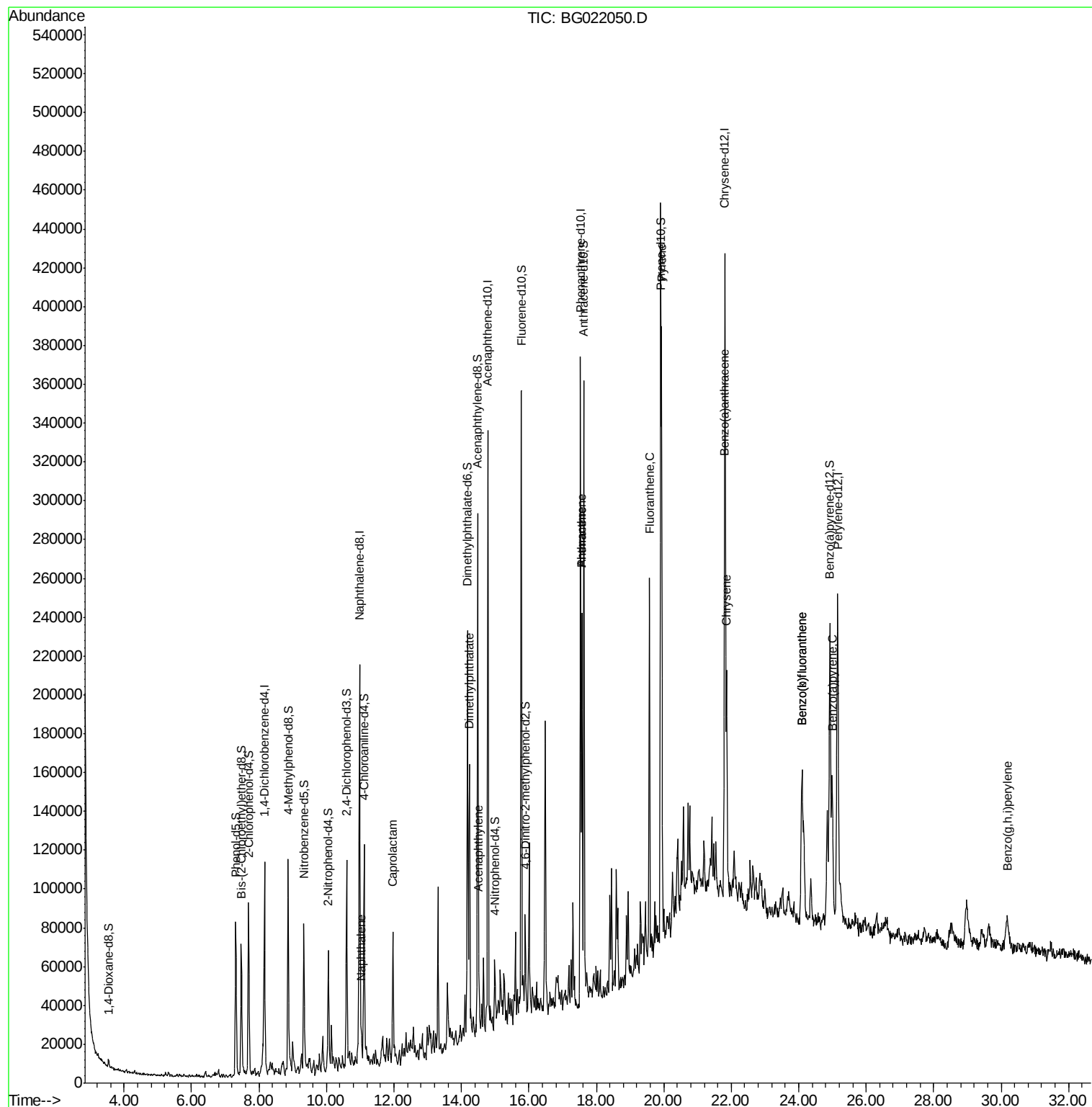
						Ovalue
28) Naphthalene	11.03	128	15476	1.40	ng/ul#	93
32) Caprolactam	11.97	113	3682	3.05	ng/ul#	51
44) Dimethylphthalate	14.23	163	53728	6.14	ng/ul	97
47) Acenaphthylene	14.51	152	30324	2.45	ng/ul#	93
69) Phenanthrene	17.57	178	142345	11.72	ng/ul	98
71) Anthracene	17.57	178	142345	11.57	ng/ul	99
74) Fluoranthene	19.57	202	124608	10.04	ng/ul	99
77) Pyrene	19.94	202	196500	14.90	ng/ul	98
80) Benzo(a)anthracene	21.79	228	56271	5.12	ng/ul	92
82) Chrysene	21.86	228	82806	7.85	ng/ul	96
85) Benzo(b)fluoranthene	24.09	252	91495	8.92	ng/ul	97
86) Benzo(k)fluoranthene	24.09	252	91495	9.17	ng/ul#	92
88) Benzo(a)pyrene	24.99	252	73011	7.38	ng/ul#	94
91) Benzo(g,h,i)perylene	30.18	276	20249	2.23	ng/ul	99

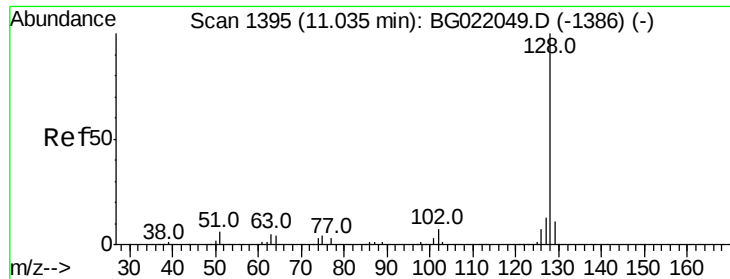
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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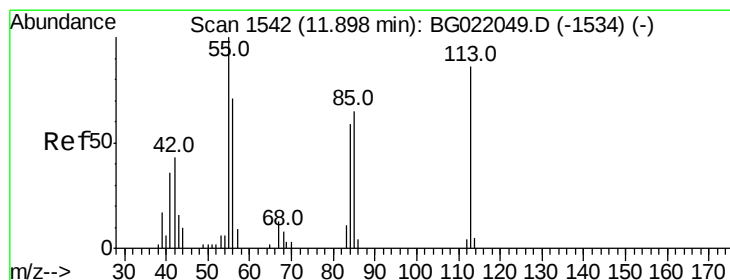
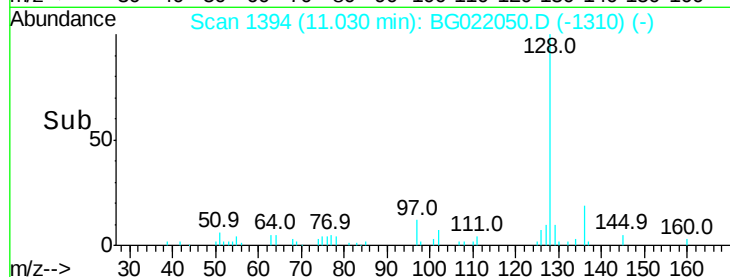
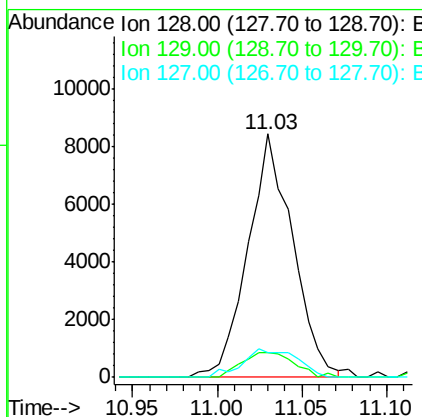
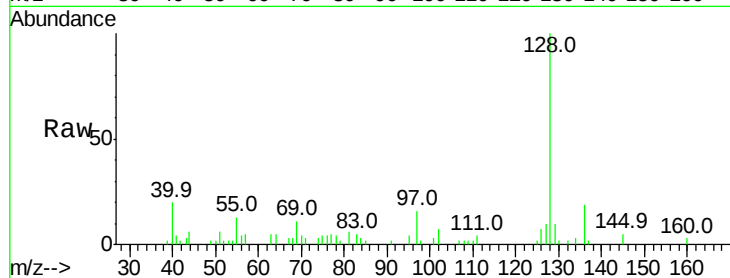




#28
Naphthalene
Concen: 1.40 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022050.D
Acq: 23 May 2016 17:16

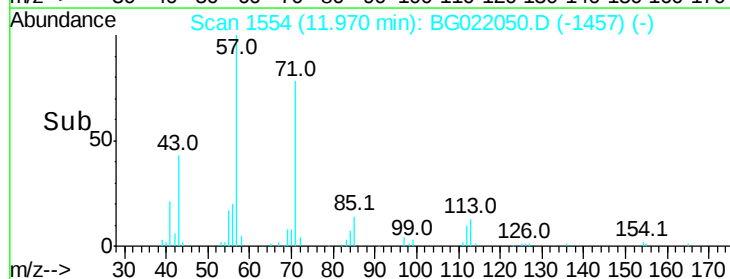
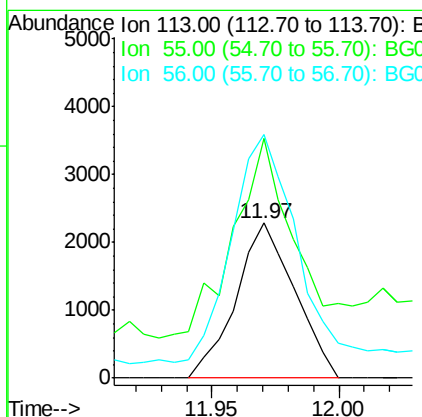
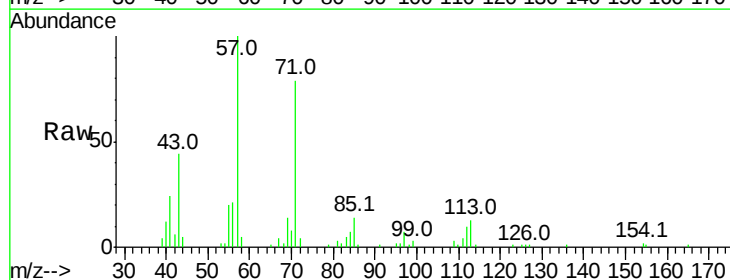
Instrument :
BNA_G
ClientSampleId :

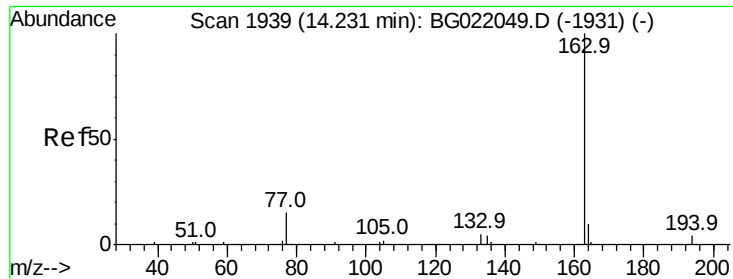
Tot Ion:128 Resp: 15476
Ion Ratio Lower Upper
128 100
129 9.9 9.4 14.2
127 10.2 11.2 16.8#



#32
Caprolactam
Concen: 3.05 ng/ul
RT: 11.97 min Scan# 1554
Delta R.T. 0.07 min
Lab File: BG022050.D
Acq: 23 May 2016 17:16

Tgt Ion:113 Resp: 3682
Ion Ratio Lower Upper
113 100
55 154.6 99.6 149.4#
56 157.0 66.4 99.6#

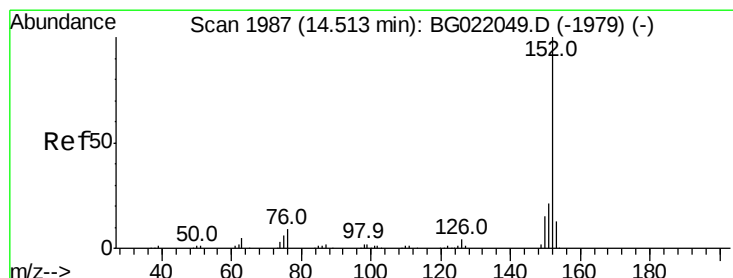
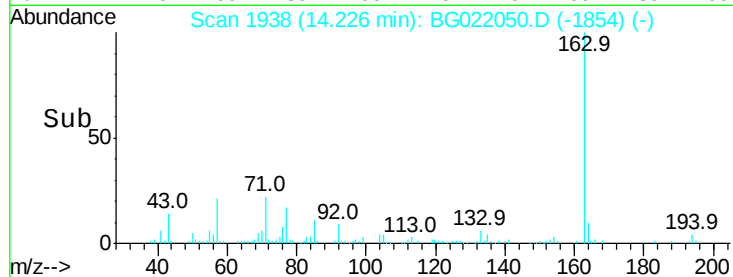
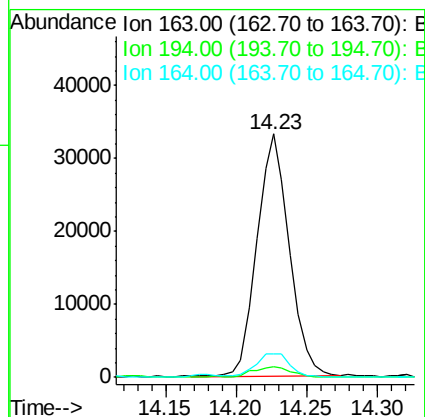
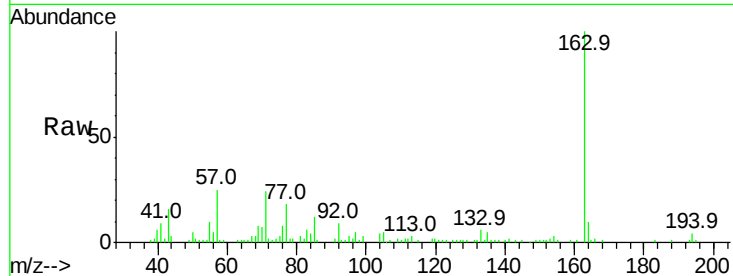




#44
Dimethylphthalate
Concen: 6.14 ng/ul
RT: 14.23 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BG022050.D
Acq: 23 May 2016 17:16

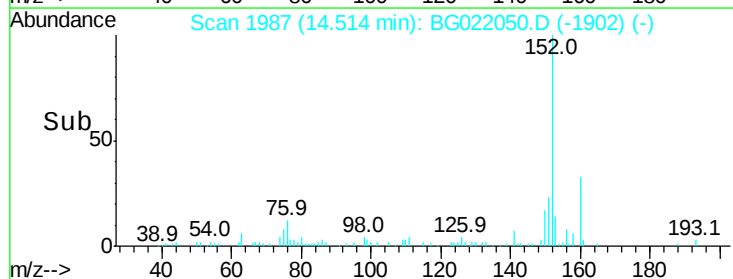
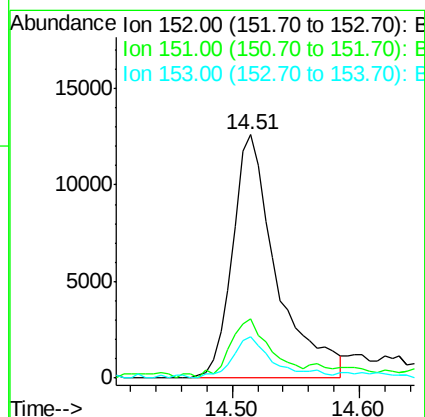
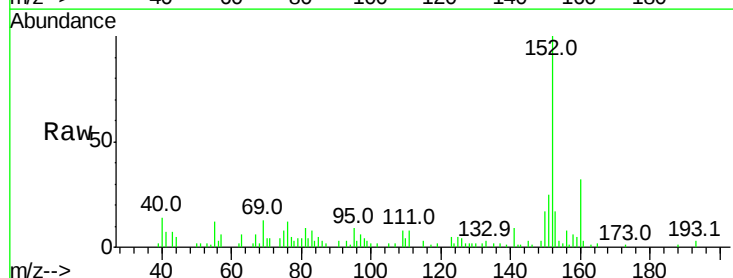
Instrument :
BNA_G
ClientSampleId :

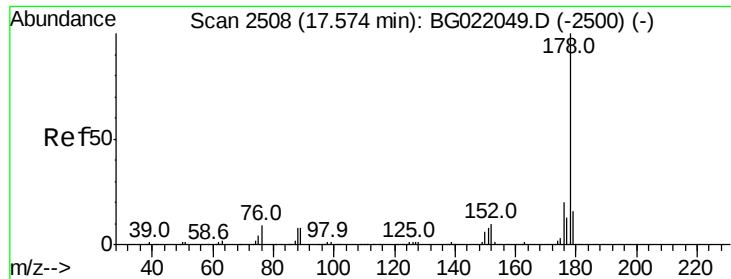
Tot Ion:163 Resp: 53728
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 9.5 8.8 13.2



#47
Acenaphthylene
Concen: 2.45 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG022050.D
Acq: 23 May 2016 17:16

Tgt Ion:152 Resp: 30324
Ion Ratio Lower Upper
152 100
151 24.6 17.5 26.3
153 17.1 11.1 16.7#





#69

Phenanthrene

Concen: 11.72 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

Instrument :

BNA_G

ClientSampleId :

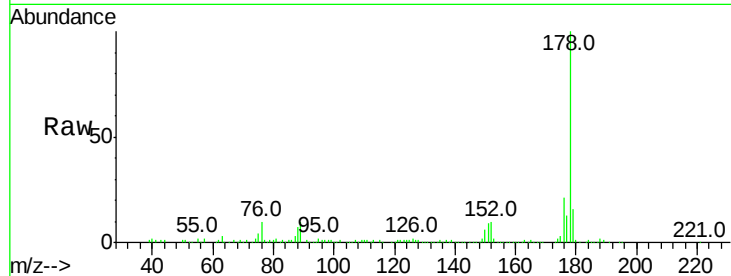
Tot Ion:178 Resp: 142345

Ion Ratio Lower Upper

178 100

179 15.8 12.9 19.3

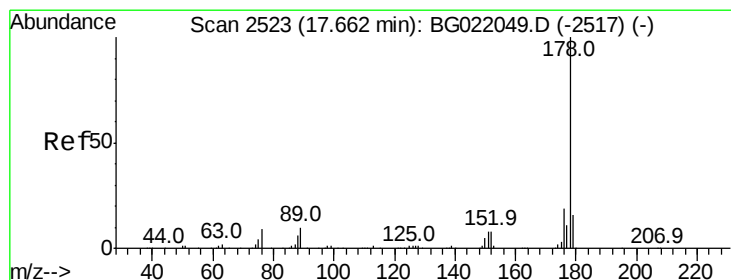
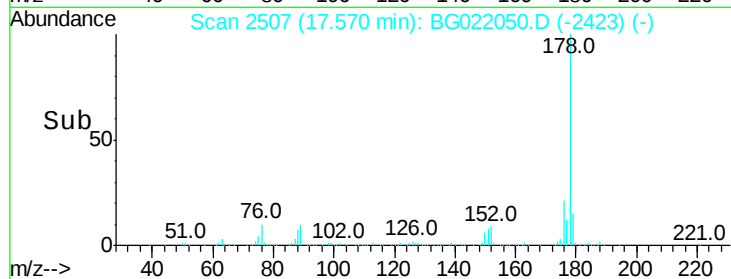
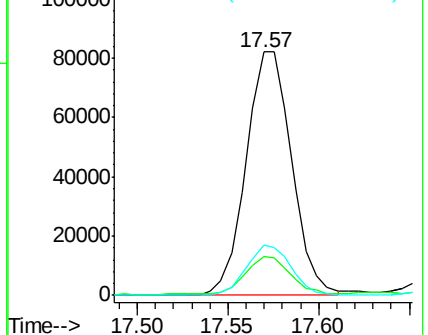
176 20.9 15.8 23.8



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: 11.57 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.09 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

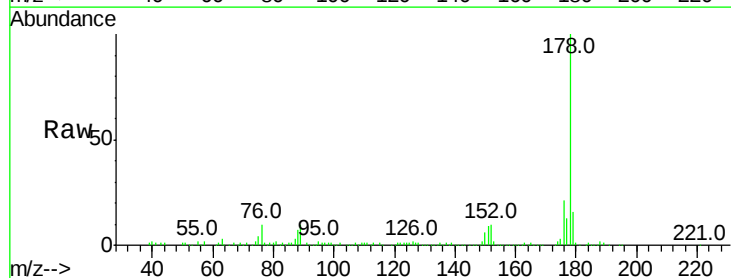
Tgt Ion:178 Resp: 142345

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

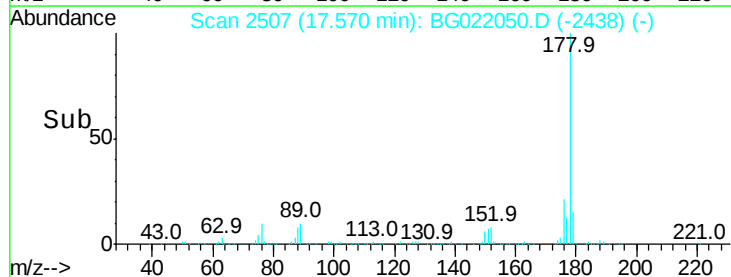
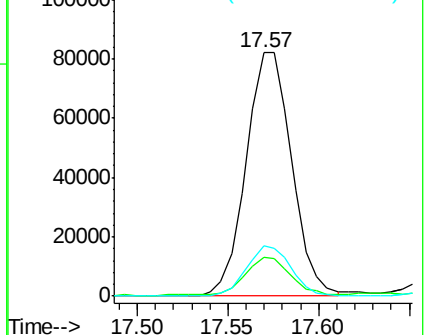
176 20.9 16.3 24.5

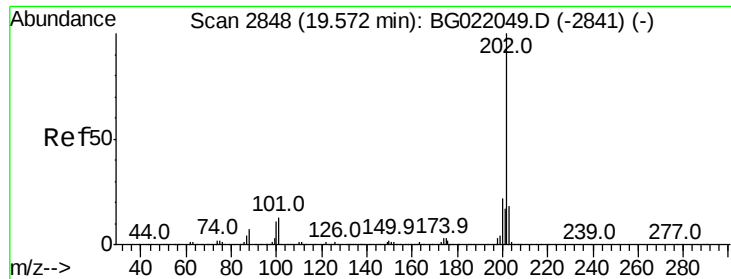


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 10.04 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

Instrument :

BNA_G

ClientSampleId :

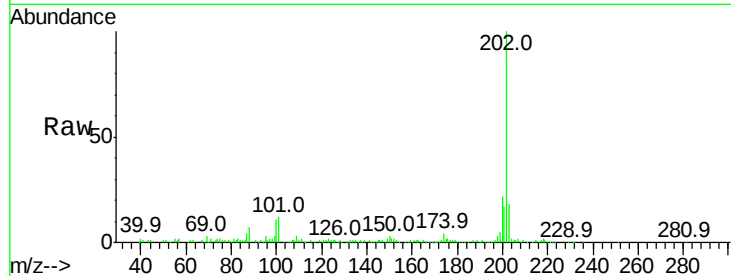
Tot Ion:202 Resp: 124608

Ion Ratio Lower Upper

202 100

101 12.4 10.6 16.0

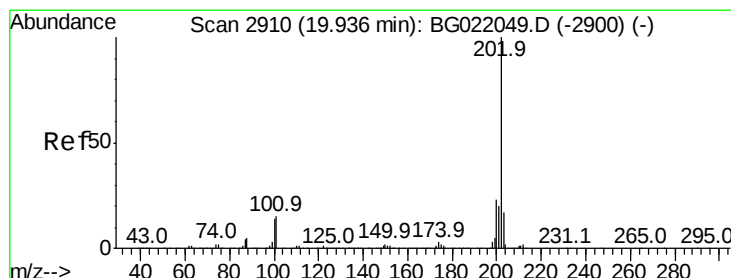
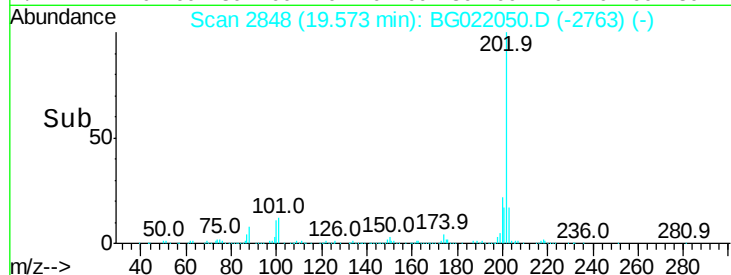
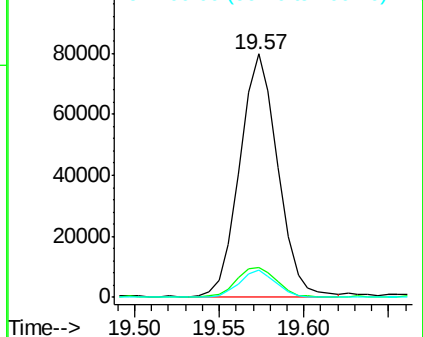
100 11.0 8.7 13.1



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: 14.90 ng/ul

RT: 19.94 min Scan# 2910

Delta R.T. 0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

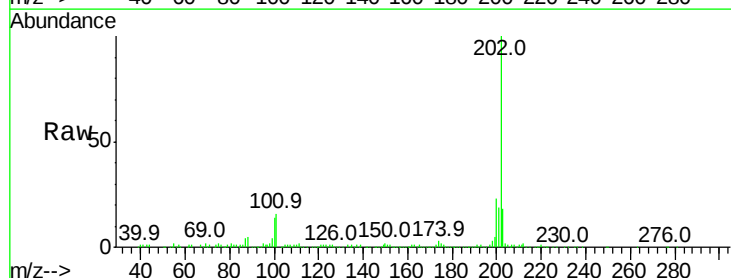
Tgt Ion:202 Resp: 196500

Ion Ratio Lower Upper

202 100

101 16.1 12.5 18.7

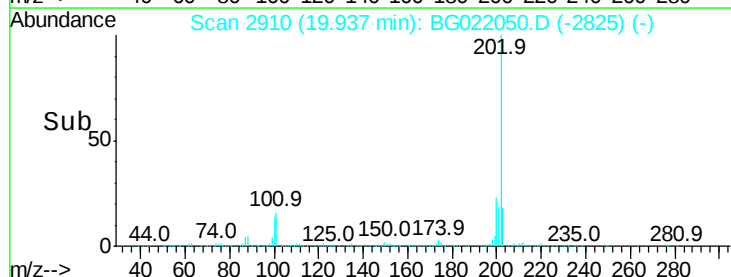
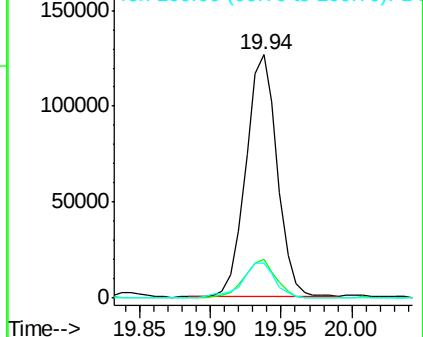
100 14.1 10.2 15.4

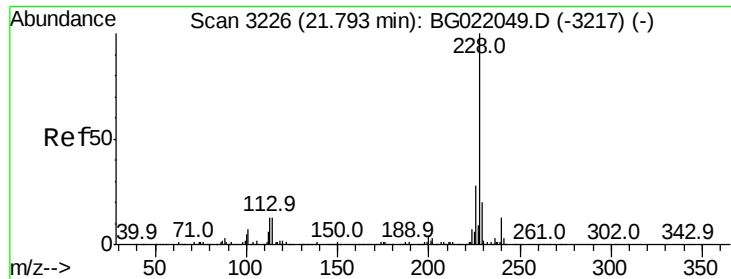


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 5.12 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

Instrument :

BNA_G

ClientSampleId :

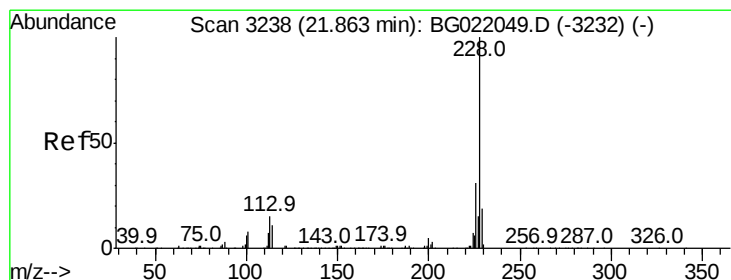
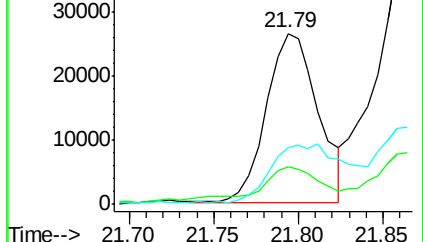
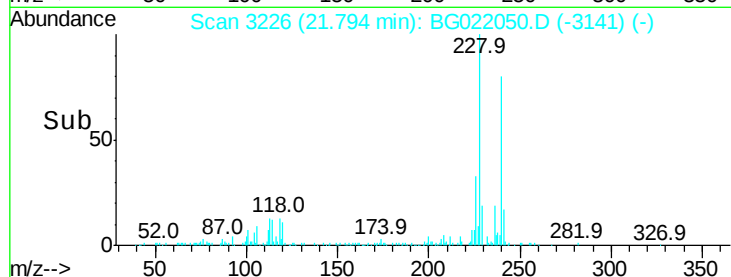
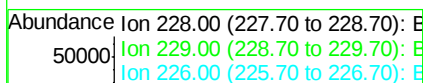
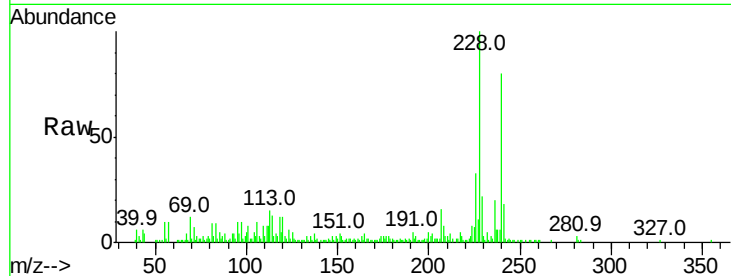
Tot Ion:228 Resp: 56271

Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.4	23.2
226	33.5	22.8	34.2

228 100

229 22.3 15.4 23.2

226 33.5 22.8 34.2



#82

Chrysene

Concen: 7.85 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

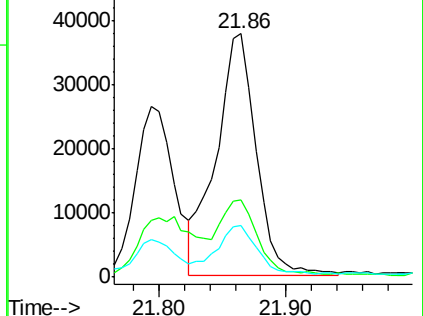
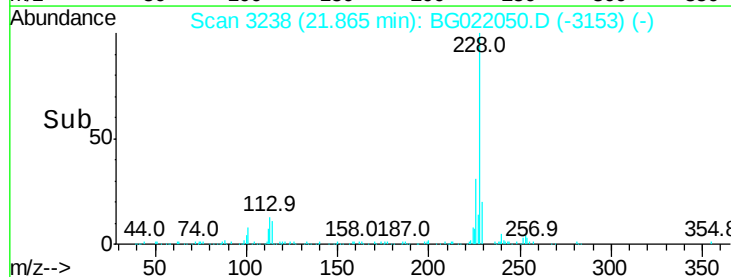
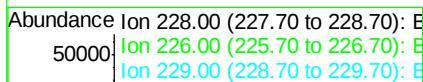
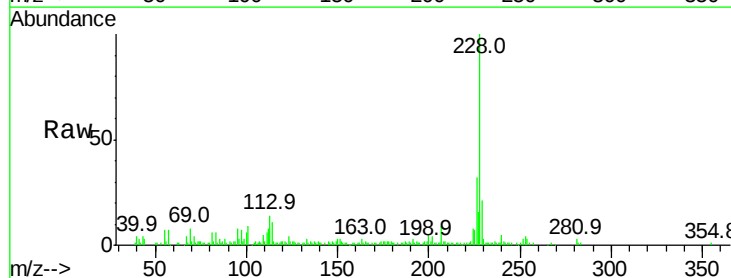
Tgt Ion:228 Resp: 82806

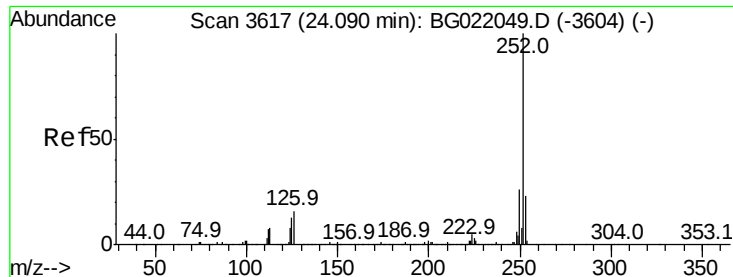
Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.2	36.4
229	21.2	15.0	22.6

228 100

226 31.7 24.2 36.4

229 21.2 15.0 22.6





#85

Benzo(b)fluoranthene

Concen: 8.92 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

Instrument :

BNA_G

ClientSampleId :

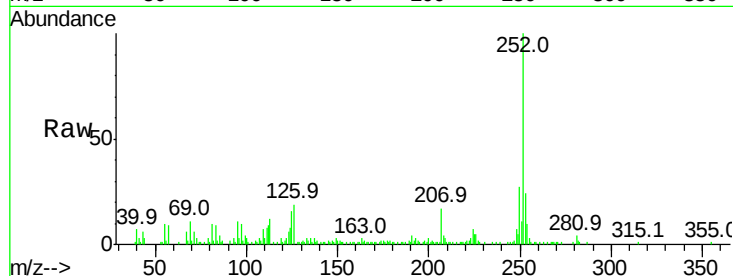
Tot Ion:252 Resp: 91495

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

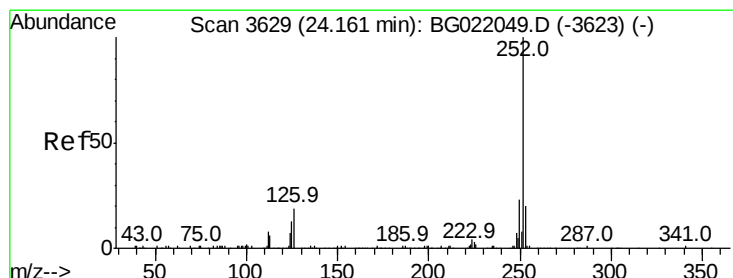
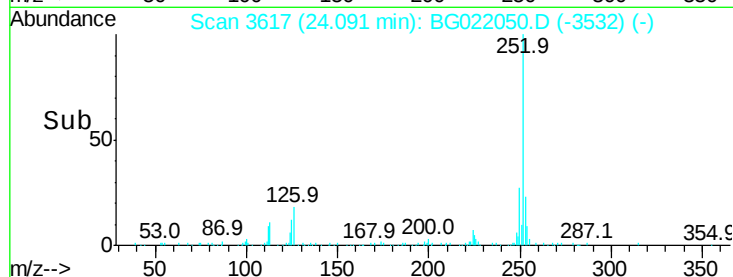
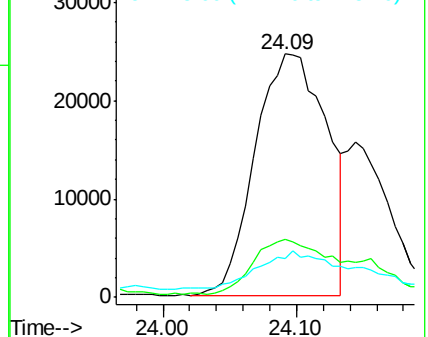
125 15.8 10.8 16.2



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: 9.17 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. -0.07 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

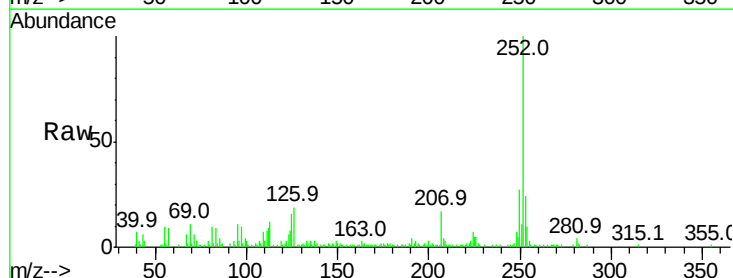
Tgt Ion:252 Resp: 91495

Ion Ratio Lower Upper

252 100

253 23.7 15.8 23.6#

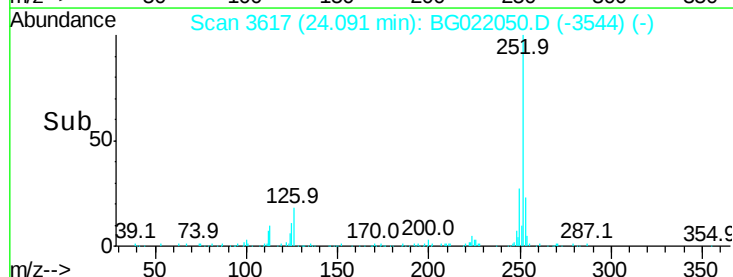
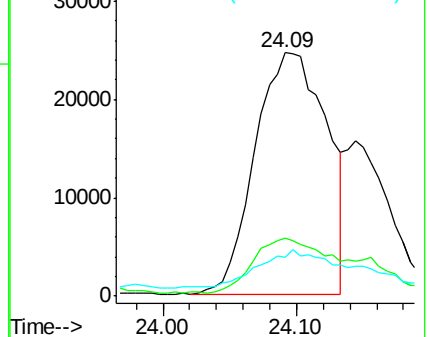
125 15.8 10.6 16.0

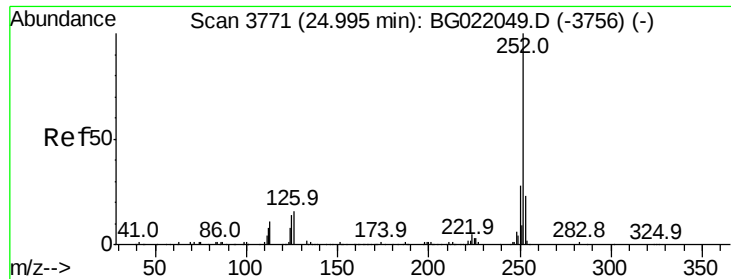


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 7.38 ng/ul

RT: 24.99 min Scan# 3770

Delta R.T. -0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

Instrument :

BNA_G

ClientSampleId :

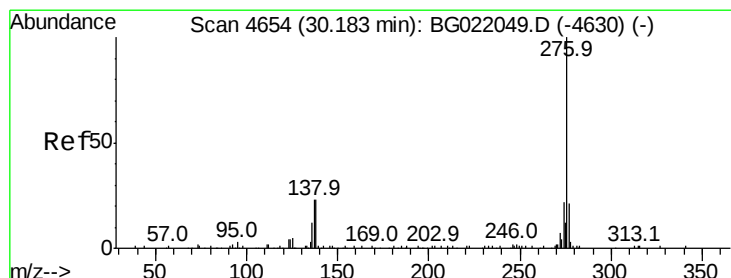
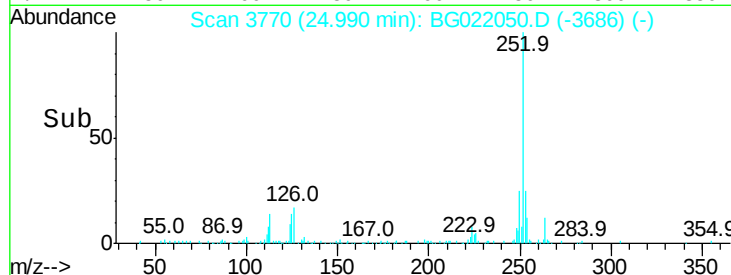
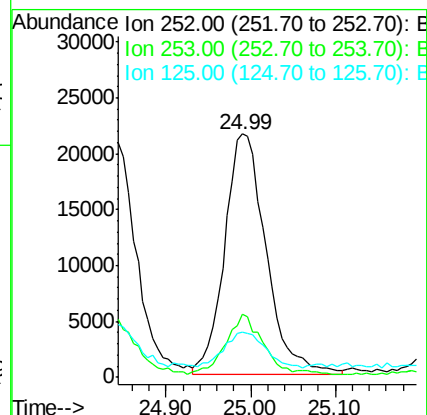
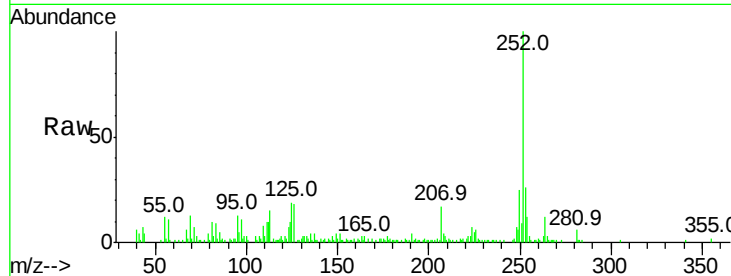
Tot Ion:252 Resp: 73011

Ion Ratio Lower Upper

252 100

253 25.8 19.0 28.4

125 18.8 12.0 18.0#



#91

Benzo(g,h,i)perylene

Concen: 2.23 ng/ul

RT: 30.18 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BG022050.D

Acq: 23 May 2016 17:16

Tgt Ion:276 Resp: 20249

Ion Ratio Lower Upper

276 100

138 27.0 22.1 33.1

277 21.7 17.0 25.4

