

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
 Data File : BG025250.D
 Acq On : 16 Dec 2016 22:35
 Operator : UM/SJ
 Sample : H6040-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8W0

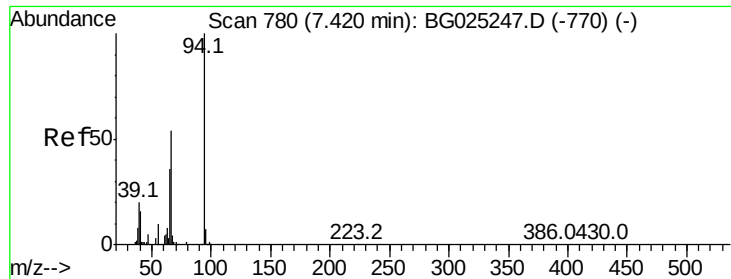
Quant Time: Dec 17 00:59:44 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	70396	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	283656	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	202903	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	409438	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	588654	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	617451	20.00	ng/ul	0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	5680	4.17	ng/uL	0.00
5) Phenol-d5	7.39	99	121784	20.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	77286	20.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	86998	20.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	102347	20.17	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	48061	23.93	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	52923	21.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	106292	22.07	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	101484	21.44	ng/ul	0.01
43) Dimethylphthalate-d6	14.25	166	332190	23.80	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	370285	24.22	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	67518	28.15	ng/ul	0.02
57) Fluorene-d10	15.85	176	341541	26.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	85136	33.63	ng/ul	0.01
70) Anthracene-d10	17.70	188	450845	26.09	ng/ul	0.00
76) Pyrene-d10	19.98	212	597424	24.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	627210	25.07	ng/ul	0.01

Target Compounds				Ovalue		
6) Phenol	7.42	94	15420	2.47	ng/ul#	82
28) Naphthalene	11.11	128	282136	21.40	ng/ul	99
34) 2-Methylnaphthalene	12.70	142	420717	40.43	ng/ul	96
40) 1,1'-Biphenyl	13.69	154	144592	11.75	ng/ul	97
44) Dimethylphthalate	14.29	163	49560	3.61	ng/ul	96
49) Acenaphthene	14.92	153	52596	5.17	ng/ul#	89
53) Dibenzofuran	15.25	168	167258	10.39	ng/ul	97
58) Fluorene	15.90	166	254757	19.43	ng/ul#	99
69) Phenanthrene	17.64	178	290907	14.89	ng/ul	97
71) Anthracene	17.74	178	89642	4.46	ng/ul#	85
72) Carbazole	18.01	167	34545	2.06	ng/ul#	67
74) Fluoranthene	19.64	202	95156	4.10	ng/ul#	93
77) Pyrene	20.01	202	140459	4.96	ng/ul#	91

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



#6

Phenol

Concen: 2.47 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

Instrument :

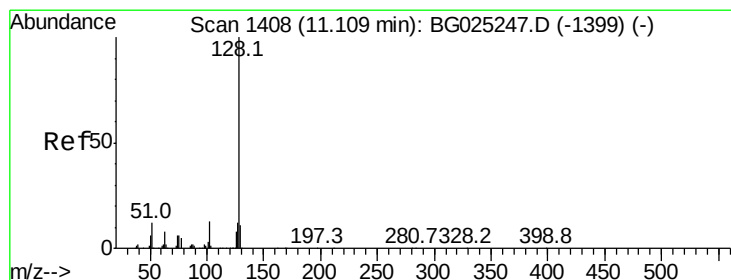
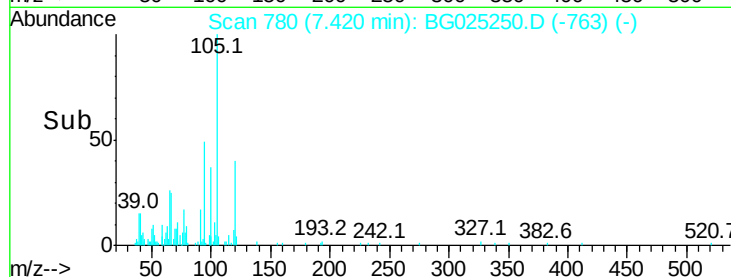
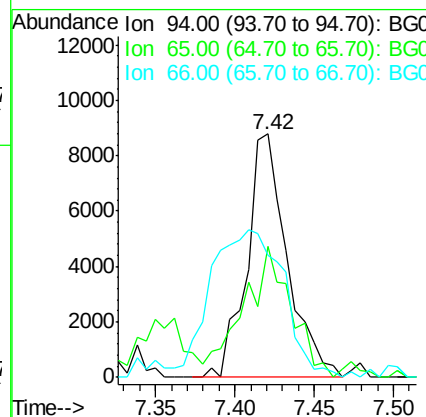
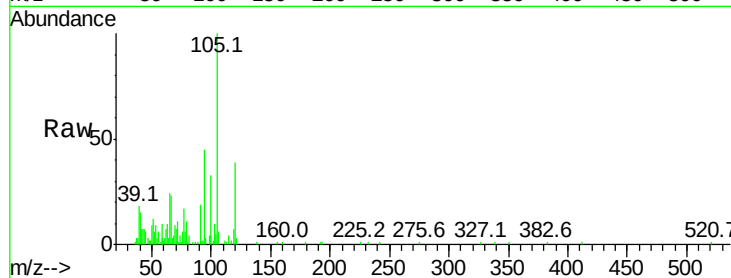
BNA_G

ClientSampleId :

DA8W0

Tot Ion: 94 Resp: 15420

Ion	Ratio	Lower	Upper
94	100		
65	53.6	26.8	40.2#
66	50.0	44.4	66.6



#28

Naphthalene

Concen: 21.40 ng/ul

RT: 11.11 min Scan# 1408

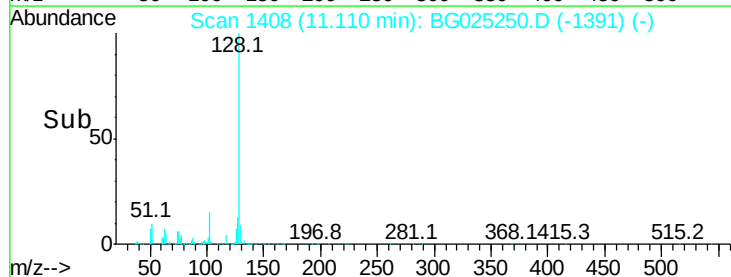
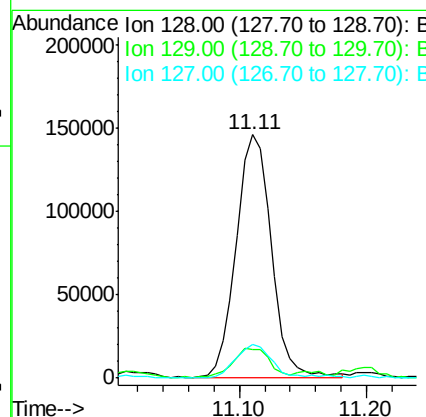
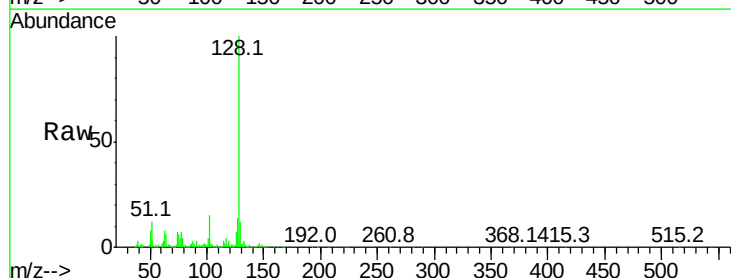
Delta R.T. 0.00 min

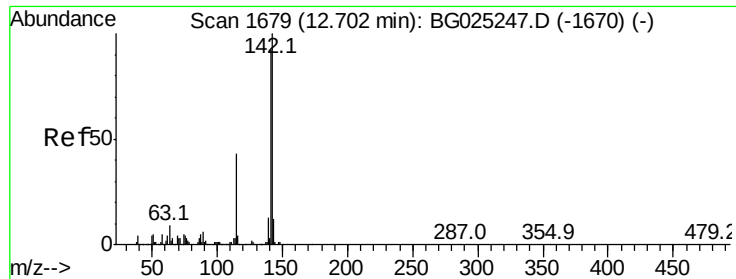
Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

Tgt Ion: 128 Resp: 282136

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	13.7	10.3	15.5

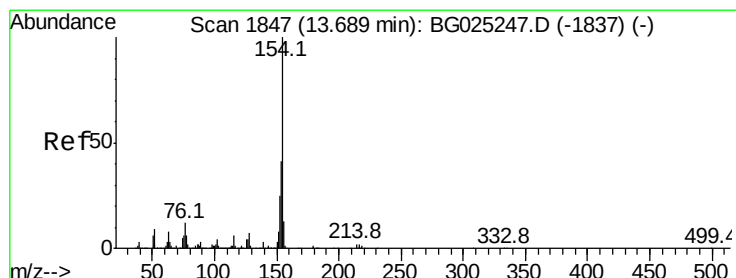
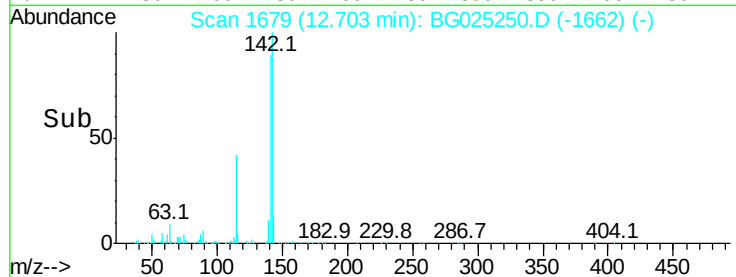
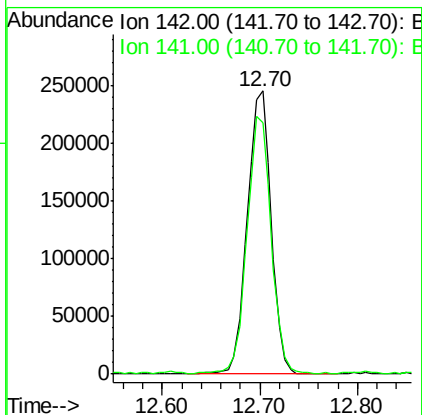
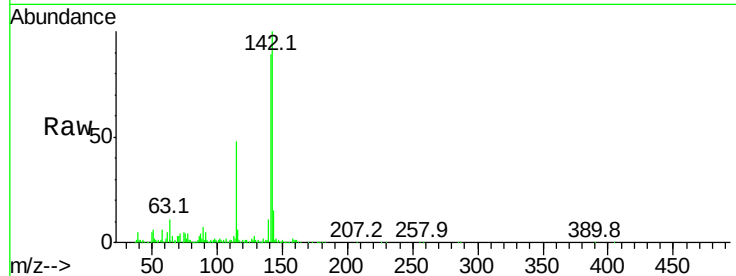




#34
 2-Methylnaphthalene
 Concen: 40.43 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG025250.D
 Acq: 16 Dec 2016 22:35

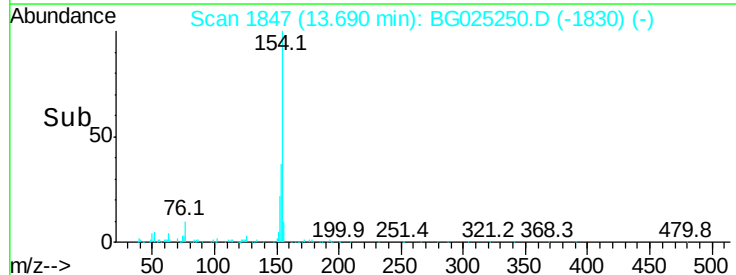
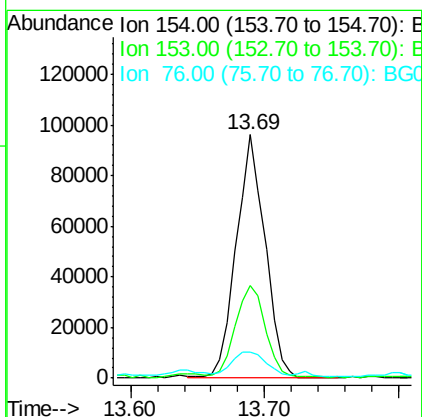
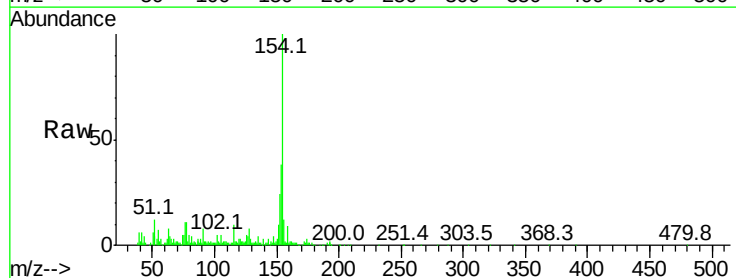
Instrument :
 BNA_G
 ClientSampleId :
 DA8W0

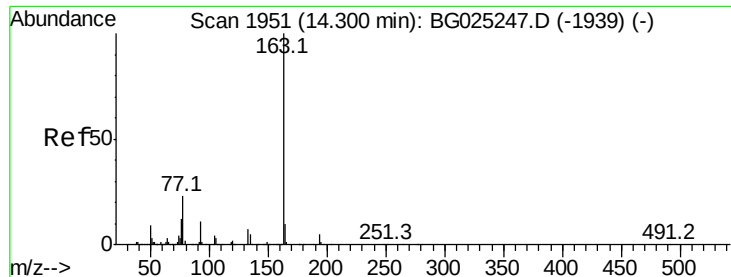
Tot Ion:142 Resp: 420717
 Ion Ratio Lower Upper
 142 100
 141 89.0 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 11.75 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG025250.D
 Acq: 16 Dec 2016 22:35

Tgt Ion:154 Resp: 144592
 Ion Ratio Lower Upper
 154 100
 153 38.1 32.2 48.2
 76 10.9 9.6 14.4





#44

Dimethylphthalate

Concen: 3.61 ng/ul

RT: 14.29 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

Instrument :

BNA_G

ClientSampleId :

DA8W0

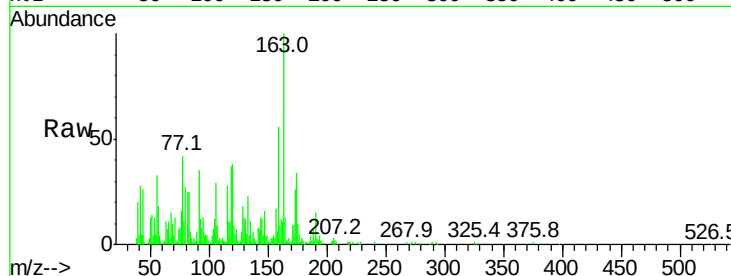
Tot Ion:163 Resp: 49560

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

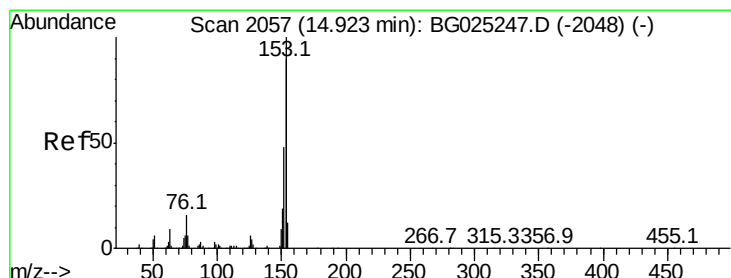
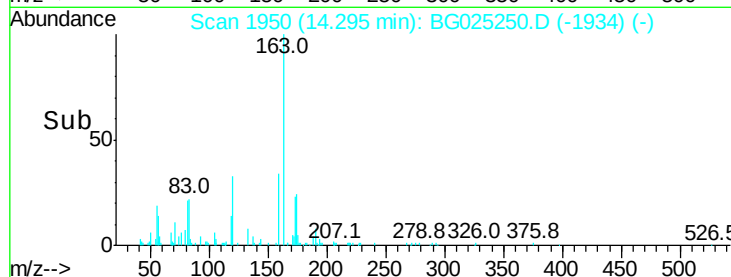
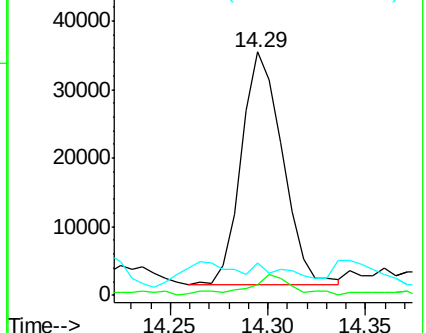
164 13.3 9.0 13.4



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



#49

Acenaphthene

Concen: 5.17 ng/ul

RT: 14.92 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

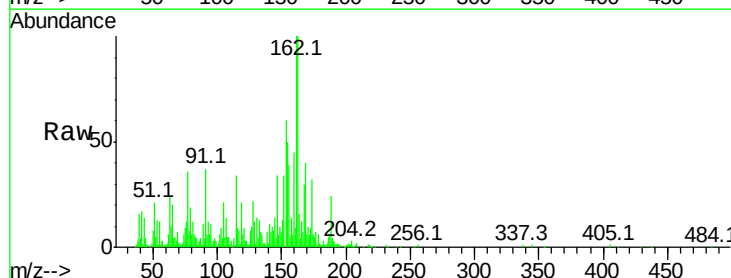
Tgt Ion:153 Resp: 52596

Ion Ratio Lower Upper

153 100

152 56.1 36.5 54.7#

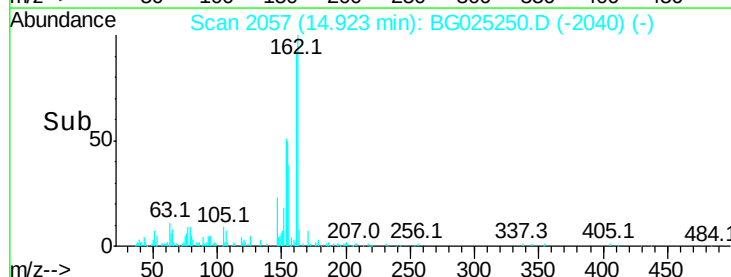
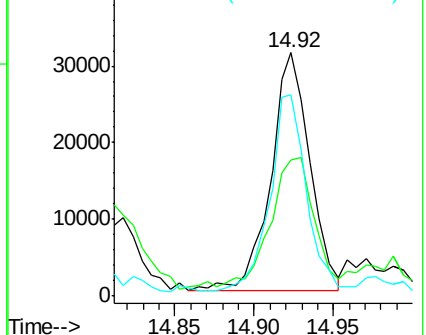
154 82.7 72.3 108.5

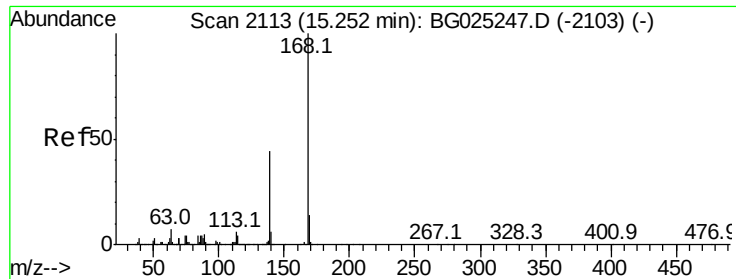


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 10.39 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

Instrument :

BNA_G

ClientSampleId :

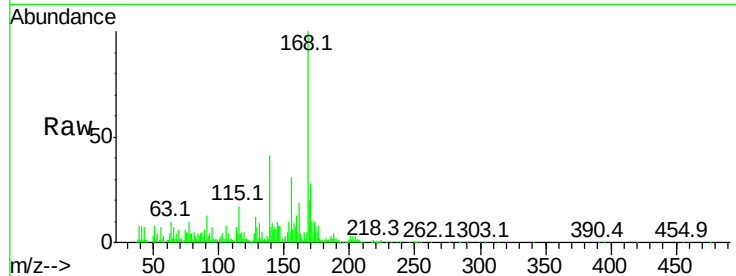
DA8W0

Tot Ion:168 Resp: 167258

Ion Ratio Lower Upper

168 100

139 40.5 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

60000

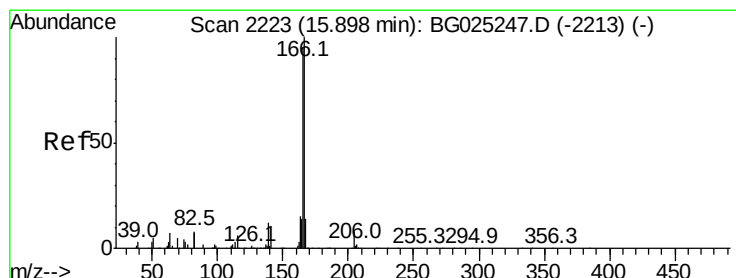
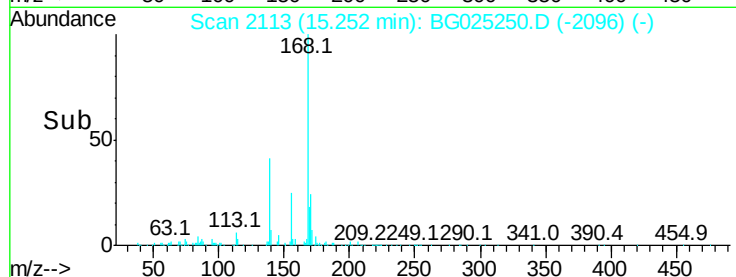
40000

20000

0

15.20 15.25 15.30

Time-->



#58

Fluorene

Concen: 19.43 ng/ul

RT: 15.90 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

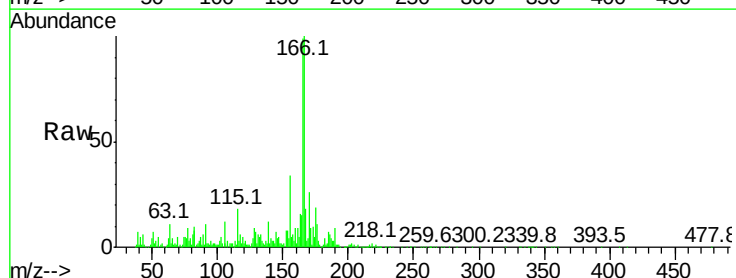
Tgt Ion:166 Resp: 254757

Ion Ratio Lower Upper

166 100

165 99.5 79.7 119.5

167 18.0 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

200000

150000

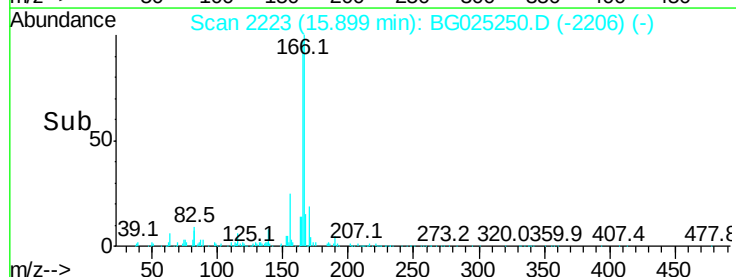
100000

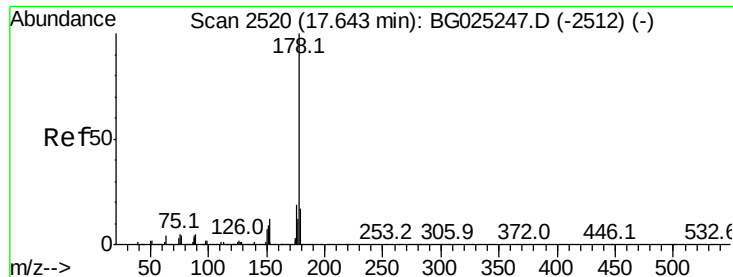
50000

0

15.85 15.90 15.95

Time-->





#69

Phenanthrene

Concen: 14.89 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

Instrument :

BNA_G

ClientSampleId :

DA8W0

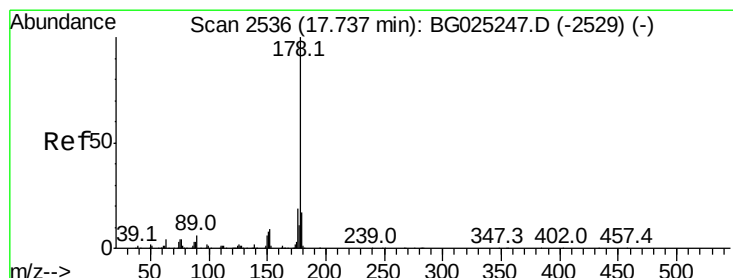
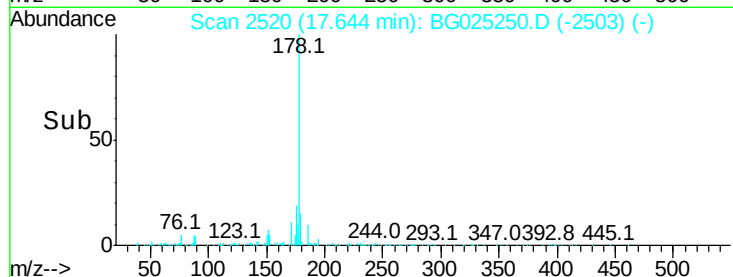
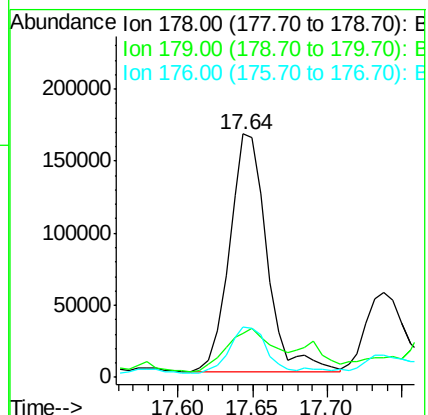
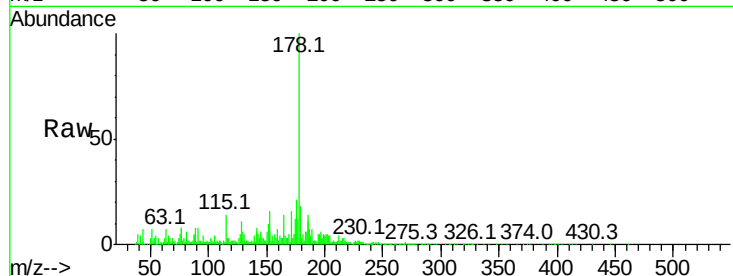
Tot Ion:178 Resp: 290907

Ion Ratio Lower Upper

178 100

179 18.2 12.4 18.6

176 20.8 16.5 24.7



#71

Anthracene

Concen: 4.46 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

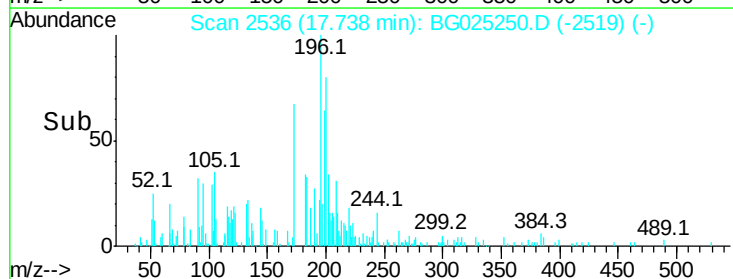
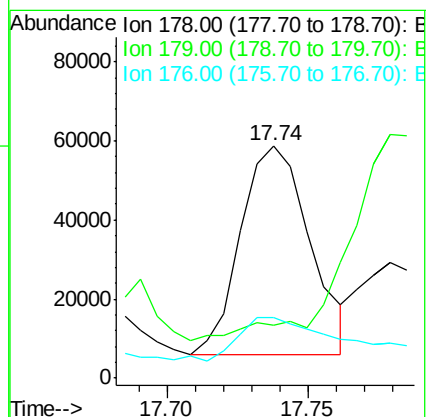
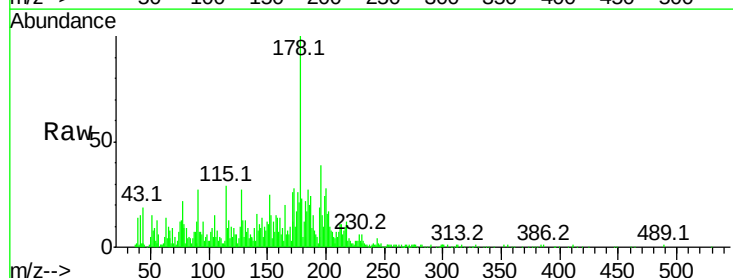
Tgt Ion:178 Resp: 89642

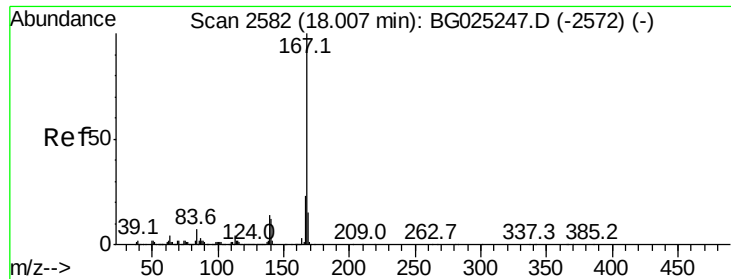
Ion Ratio Lower Upper

178 100

179 22.6 12.6 19.0#

176 26.1 15.9 23.9#





#72

Carbazole

Concen: 2.06 ng/ul

RT: 18.01 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

Instrument :

BNA_G

ClientSampleId :

DA8W0

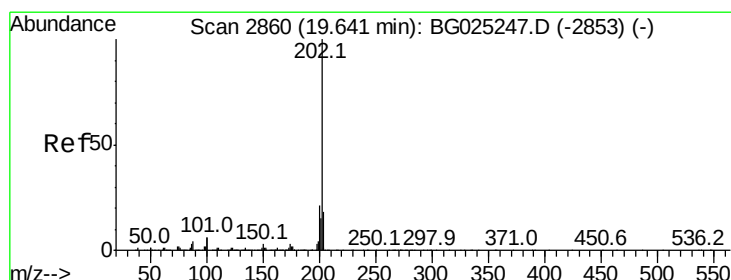
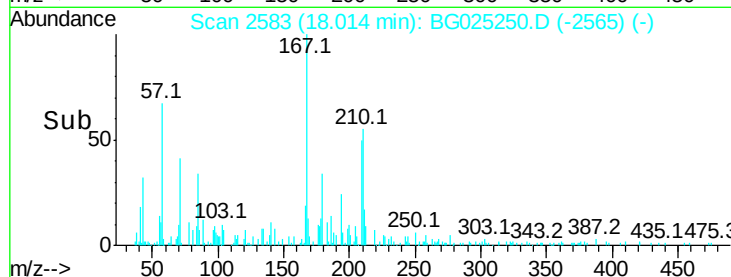
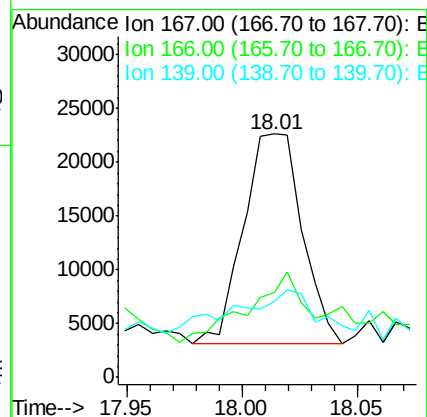
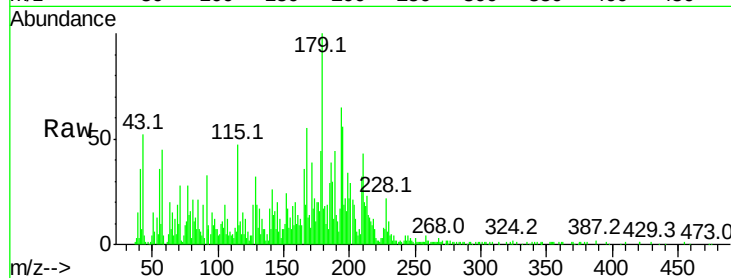
Tot Ion:167 Resp: 34545

Ion Ratio Lower Upper

167 100

166 34.7 17.9 26.9#

139 31.1 10.5 15.7#



#74

Fluoranthene

Concen: 4.10 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

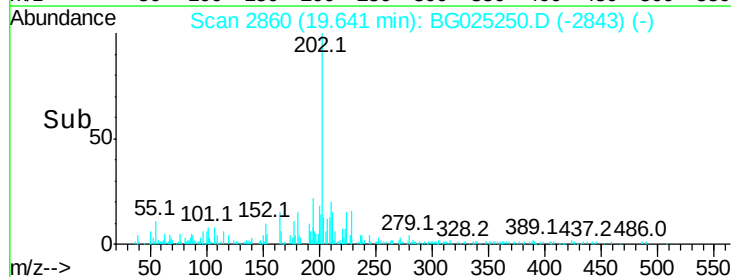
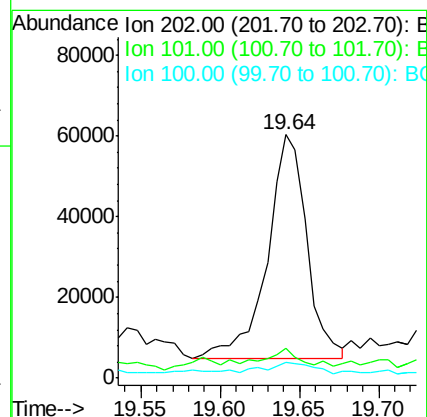
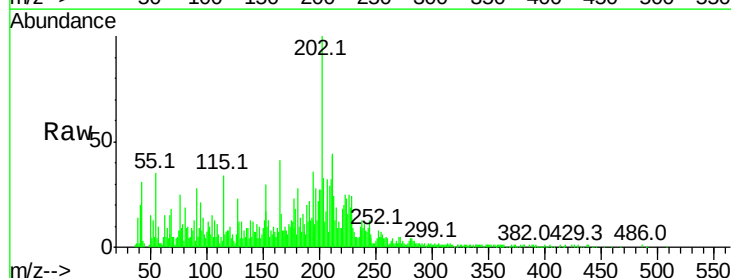
Tgt Ion:202 Resp: 95156

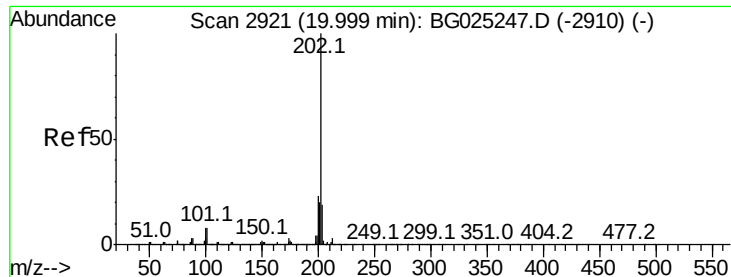
Ion Ratio Lower Upper

202 100

101 12.3 6.2 9.2#

100 6.6 5.2 7.8





#77

Pvrene

Concen: 4.96 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025250.D

Acq: 16 Dec 2016 22:35

Instrument :

BNA_G

ClientSampleId :

DA8W0

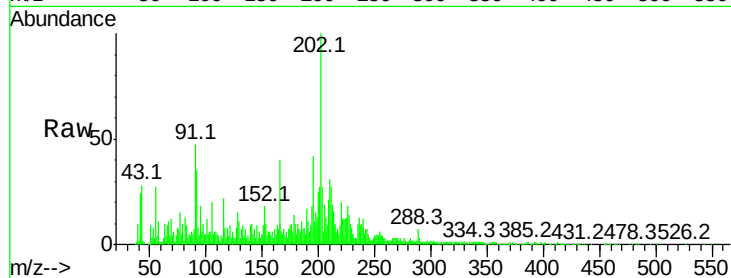
Tot Ion:202 Resp: 140459

Ion Ratio Lower Upper

202 100

101 12.5 6.9 10.3#

100 5.5 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

