

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025243.D
 Acq On : 16 Dec 2016 11:38
 Operator : UM/SJ
 Sample : H5995-14 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA882

Quant Time: Dec 16 16:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:54:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	75624	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	318331	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.87	164	262002	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.61	188	478255	20.00	ng/ul	0.02
75) Chrysene-d12	21.90	240	574606	20.00	ng/ul	0.01
83) Perylene-d12	25.34	264	562996	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	1857	1.27	ng/uL	-0.01
5) Phenol-d5	7.39	99	24299	3.72	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.54	67	18921	4.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	16255	3.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	22849	4.19	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	12955	5.75	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	11318	4.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	22077	4.08	ng/ul	0.02
29) 4-Chloroaniline-d4	11.20	131	20749	3.91	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	71875	3.99	ng/ul	0.01
46) Acenaphthylene-d8	14.57	160	94639	4.79	ng/ul	0.01
51) 4-Nitrophenol-d4	15.06	143	21128	6.82	ng/ul	0.00
57) Fluorene-d10	15.85	176	106093	6.25	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.99	200	12087	4.09	ng/ul	0.02
70) Anthracene-d10	17.71	188	104998	5.20	ng/ul	0.01
76) Pyrene-d10	19.98	212	116062	4.90	ng/ul	0.01
87) Benzo(a)pyrene-d12	25.10	264	100095	4.39	ng/ul	0.02

Target Compounds

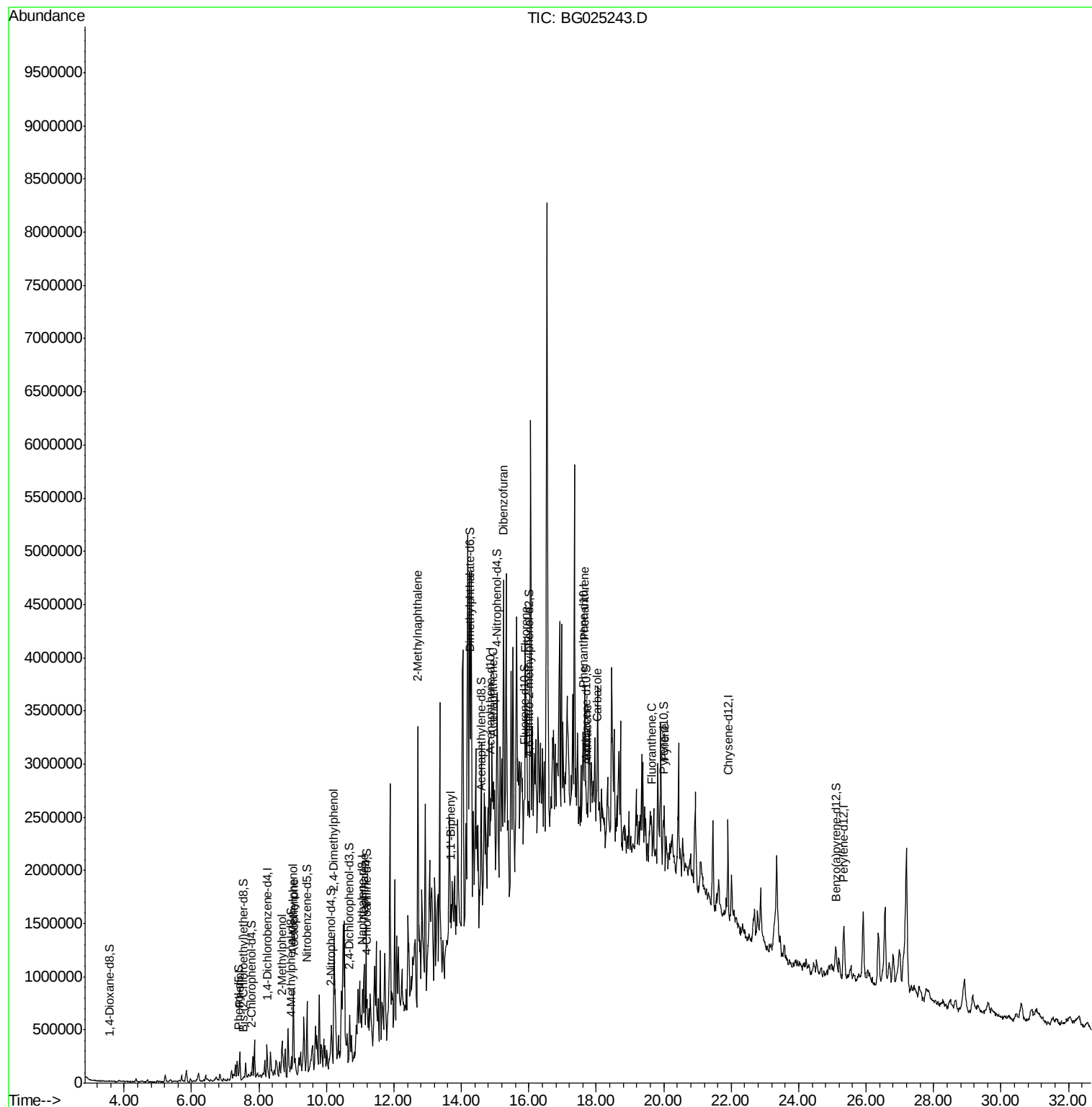
					Ovalue	
6) Phenol	7.43	94	94485	14.11	ng/ul	94
11) 2-Methylphenol	8.68	108	106121	21.52	ng/ul	99
14) Acetophenone	9.03	105	77583	9.35	ng/ul#	84
16) 4-Methylphenol	9.01	108	277124	50.52	ng/ul	85
24) 2,4-Dimethylphenol	10.22	107	462131	70.89	ng/ul	95
28) Naphthalene	11.12	128	508151	34.34	ng/ul	97
34) 2-Methylnaphthalene	12.71	142	1134275	97.13	ng/ul	95
40) 1,1'-Biophenyl	13.70	154	195596	12.31	ng/ul	99
49) Acenaphthene	14.94	153	137357	10.45	ng/ul#	75
53) Dibenzofuran	15.26	168	243359	11.70	ng/ul#	81
58) Fluorene	15.91	166	390986	23.10	ng/ul#	95
69) Phenanthrene	17.66	178	768425	33.66	ng/ul#	94
71) Anthracene	17.74	178	85987	3.66	ng/ul#	61
72) Carbazole	18.02	167	40881	2.09	ng/ul#	36
74) Fluoranthene	19.65	202	101932	3.76	ng/ul	98
77) Pyrene	20.01	202	172671	6.25	ng/ul#	95

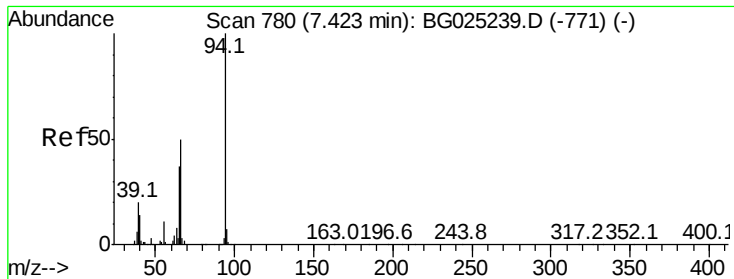
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025243.D
Acq On : 16 Dec 2016 11:38
Operator : UM/SJ
Sample : H5995-14 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA882

Quant Time: Dec 16 16:14:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration





#6

Phenol

Concen: 14.11 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.01 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

Instrument :

BNA_G

ClientSampleId :

DA882

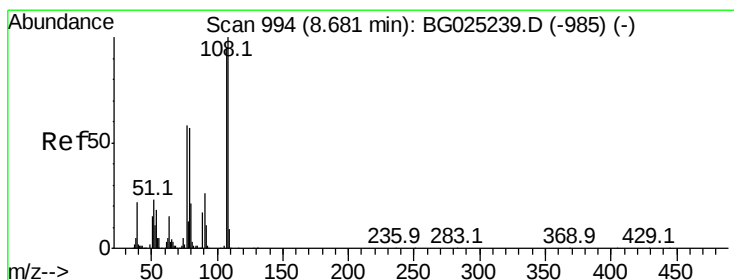
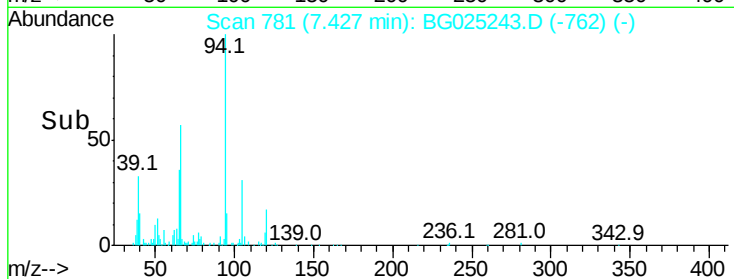
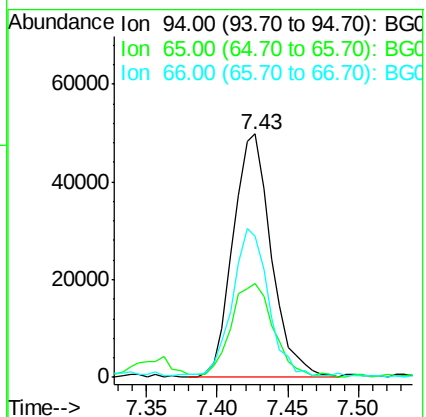
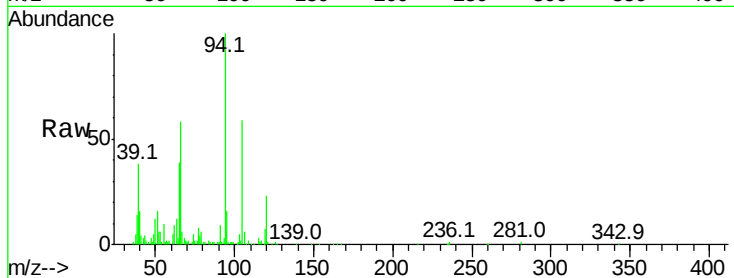
Tot Ion: 94 Resp: 94485

Ion Ratio Lower Upper

94 100

65 38.8 26.8 40.2

66 58.2 44.4 66.6



#11

2-Methylphenol

Concen: 21.52 ng/ul

RT: 8.68 min Scan# 995

Delta R.T. 0.01 min

Lab File: BG025243.D

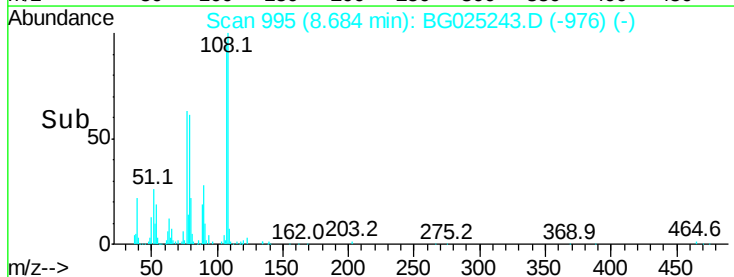
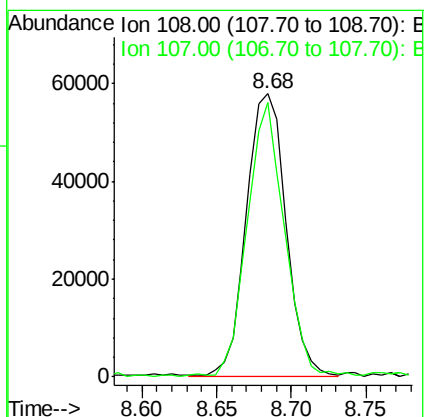
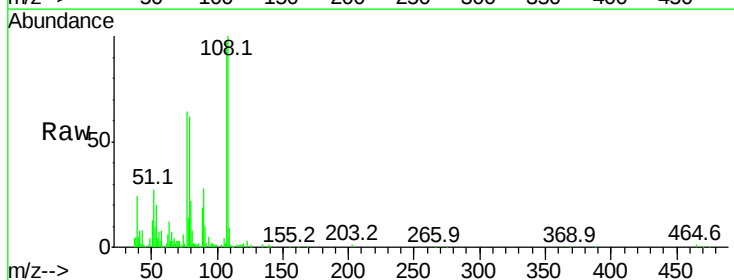
Acq: 16 Dec 2016 11:38

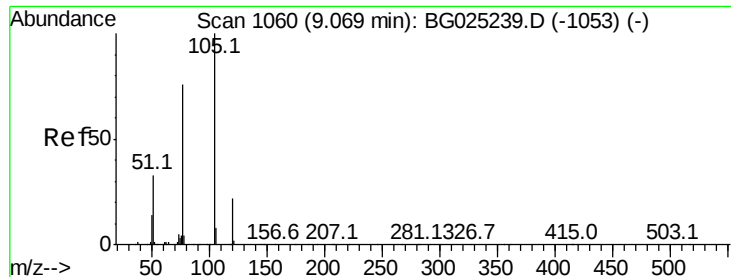
Tgt Ion:108 Resp: 106121

Ion Ratio Lower Upper

108 100

107 96.9 76.7 115.1





#14

Acetophenone

Concen: 9.35 ng/ul

RT: 9.03 min Scan# 1054

Delta R.T. -0.04 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

Instrument :

BNA_G

ClientSampleId :

DA882

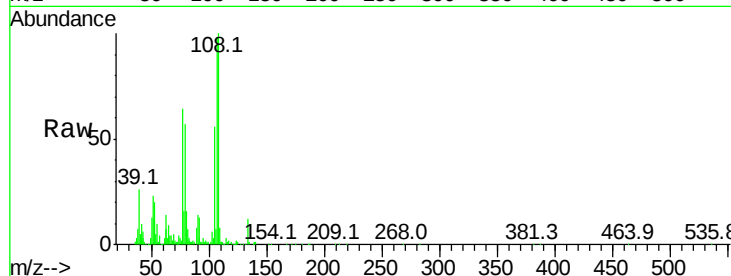
Tot Ion:105 Resp: 77583

Ion Ratio Lower Upper

105 100

77 114.8 76.0 114.0#

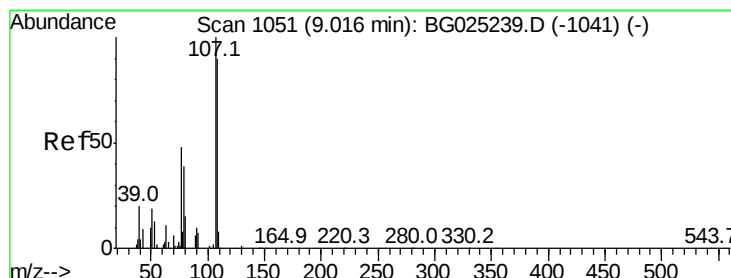
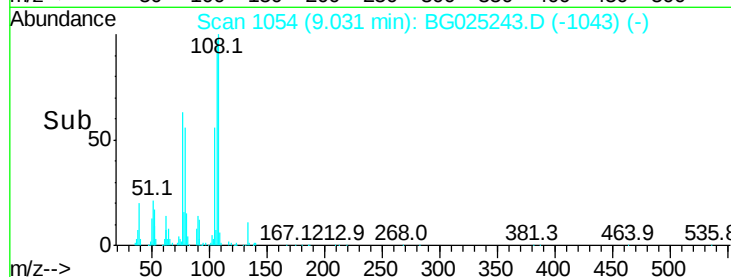
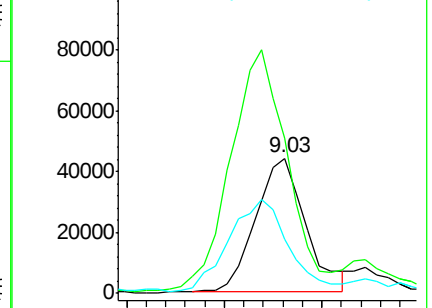
51 40.3 34.8 52.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#16

4-Methylphenol

Concen: 50.52 ng/ul

RT: 9.01 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BG025243.D

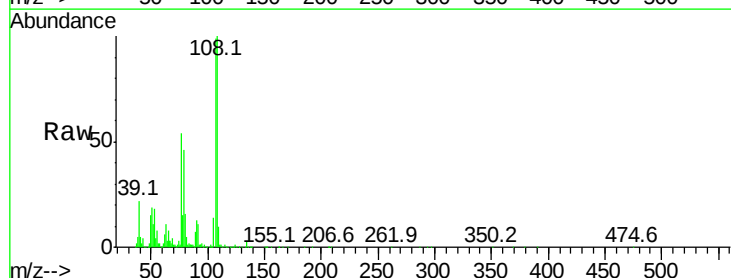
Acq: 16 Dec 2016 11:38

Tgt Ion:108 Resp: 277124

Ion Ratio Lower Upper

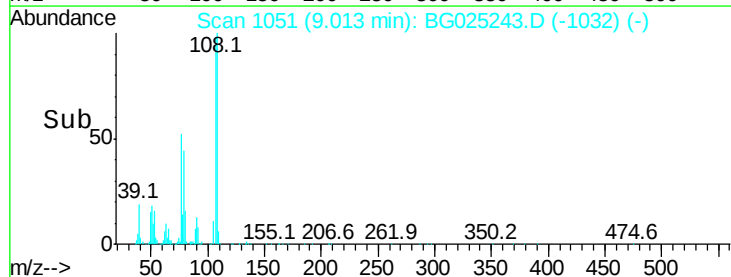
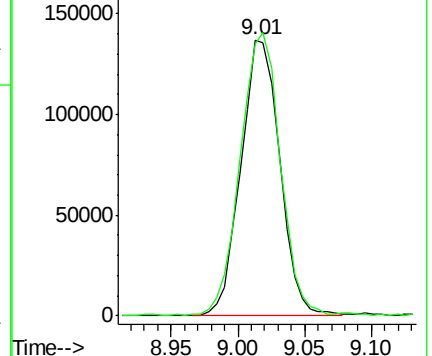
108 100

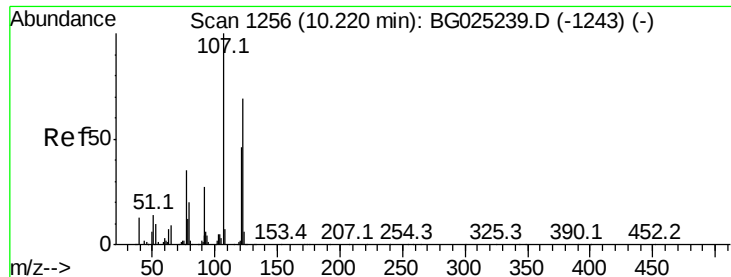
107 98.7 91.7 137.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

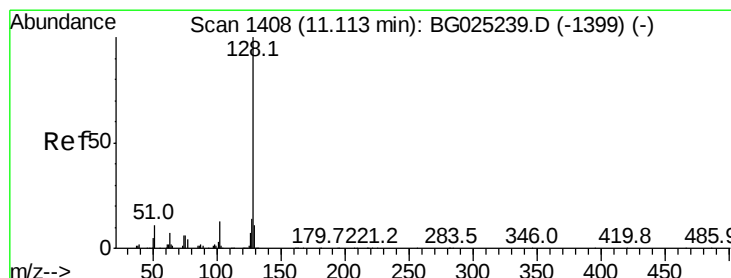
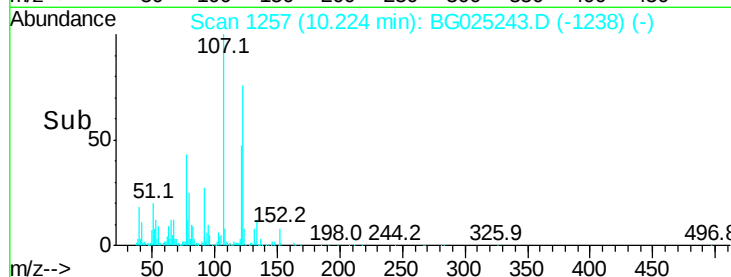
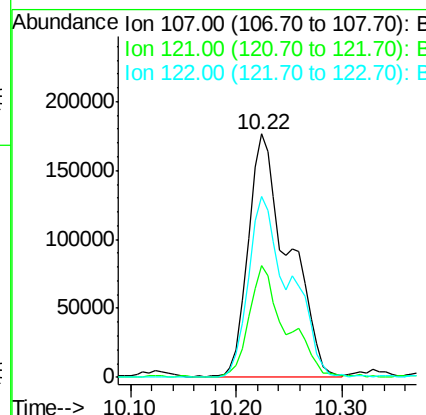
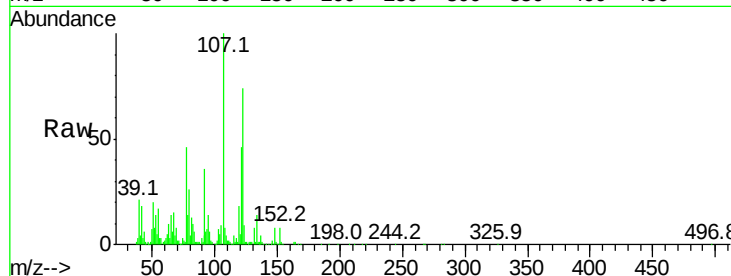




#24
2,4-Dimethylphenol
Concen: 70.89 ng/ul
RT: 10.22 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BG025243.D
Acq: 16 Dec 2016 11:38

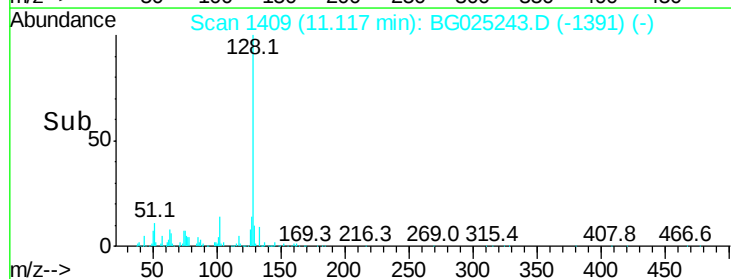
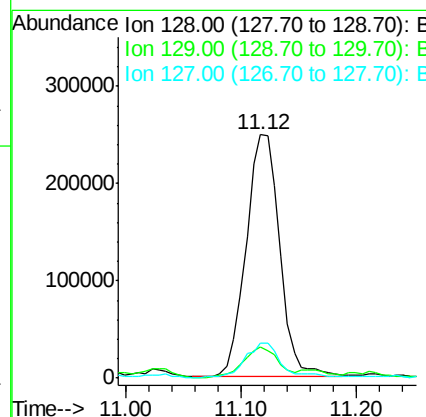
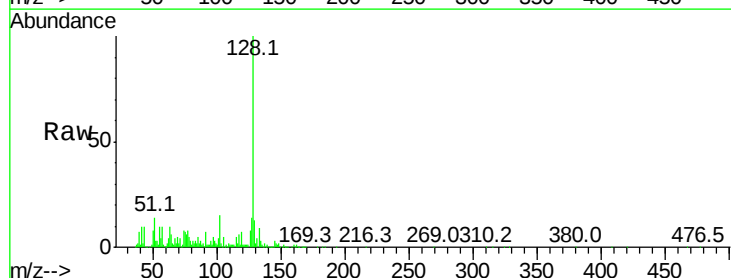
Instrument :
BNA_G
ClientSampleId :
DA882

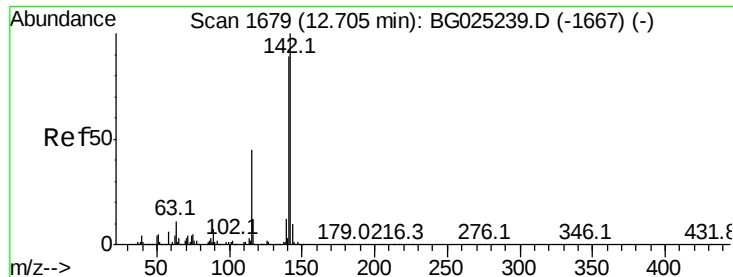
Tot Ion	Ratio	Lower	Upper
107	100		
121	46.1	32.3	48.5
122	74.4	61.2	91.8



#28
Naphthalene
Concen: 34.34 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. 0.01 min
Lab File: BG025243.D
Acq: 16 Dec 2016 11:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.4	14.2
127	14.4	10.3	15.5

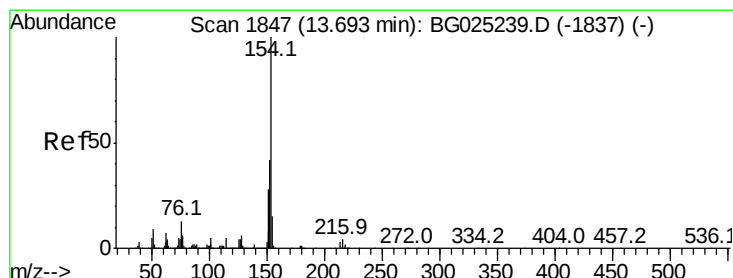
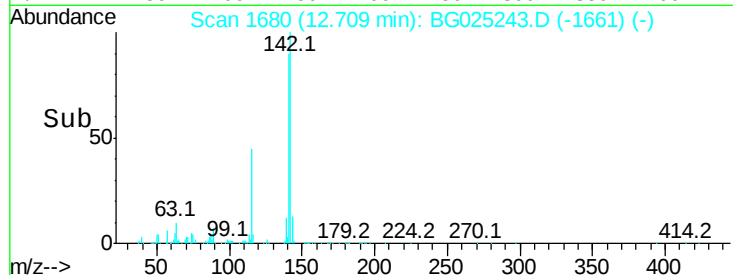
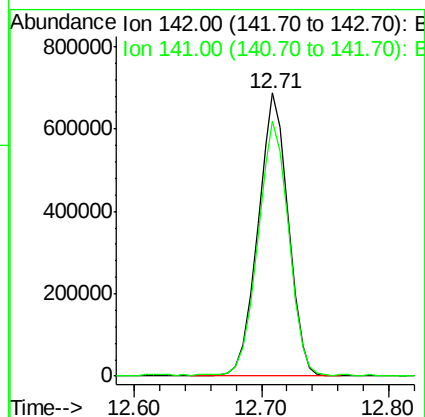
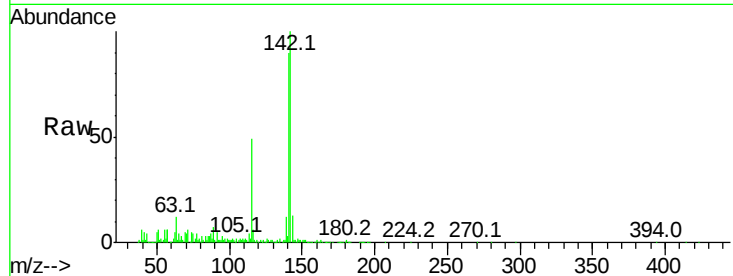




#34
2-Methylnaphthalene
Concen: 97.13 ng/ul
RT: 12.71 min Scan# 1680
Delta R.T. 0.01 min
Lab File: BG025243.D
Acq: 16 Dec 2016 11:38

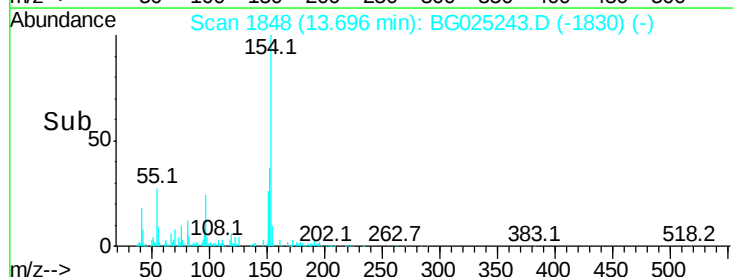
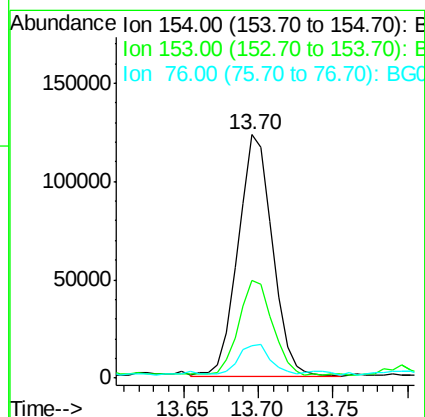
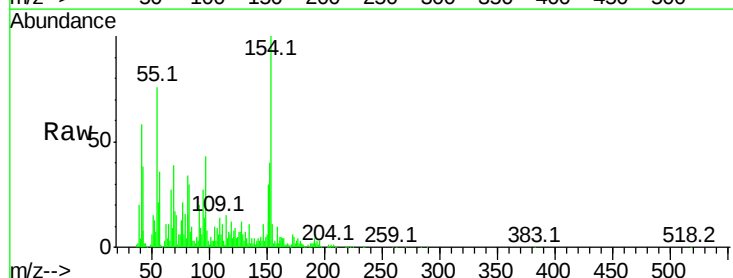
Instrument :
BNA_G
ClientSampleId :
DA882

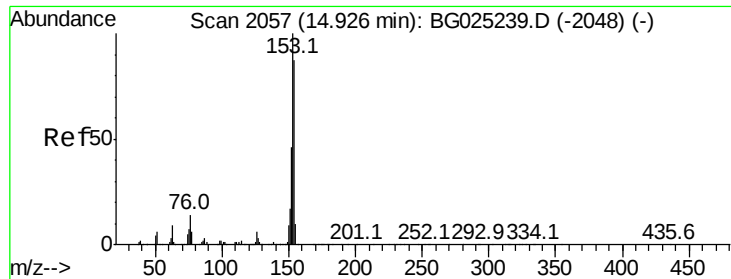
Tot Ion:142 Resp: 1134275
Ion Ratio Lower Upper
142 100
141 90.1 68.6 102.8



#40
1,1'-Biphenyl
Concen: 12.31 ng/ul
RT: 13.70 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BG025243.D
Acq: 16 Dec 2016 11:38

Tgt Ion:154 Resp: 195596
Ion Ratio Lower Upper
154 100
153 40.4 32.2 48.2
76 13.3 9.6 14.4





#49

Acenaphthene

Concen: 10.45 ng/ul

RT: 14.94 min Scan# 2059

Delta R.T. 0.02 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

Instrument :

BNA_G

ClientSampleId :

DA882

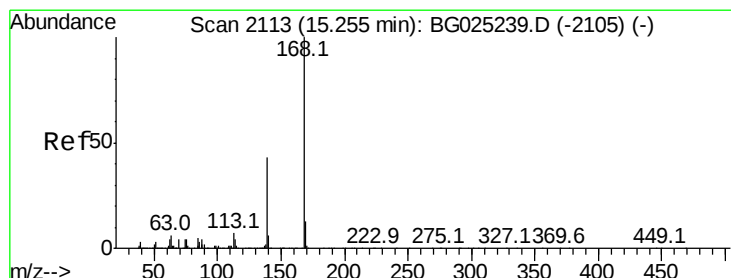
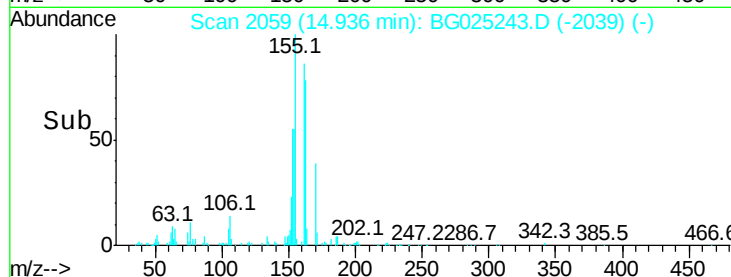
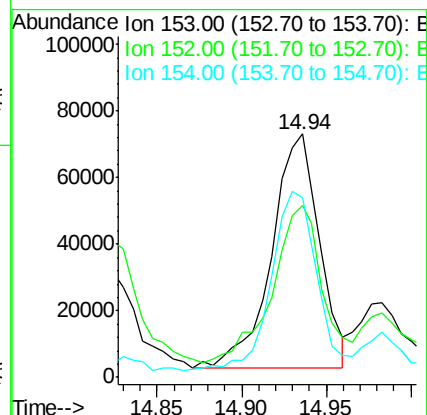
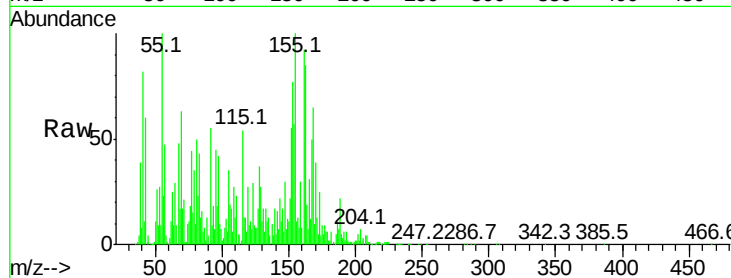
Tot Ion:153 Resp: 137357

Ion Ratio Lower Upper

153 100

152 70.9 36.5 54.7#

154 73.6 72.3 108.5



#53

Dibenzofuran

Concen: 11.70 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BG025243.D

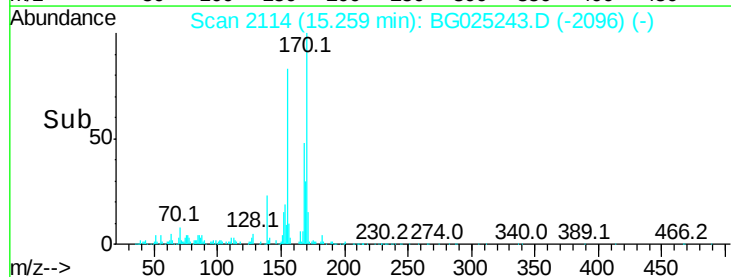
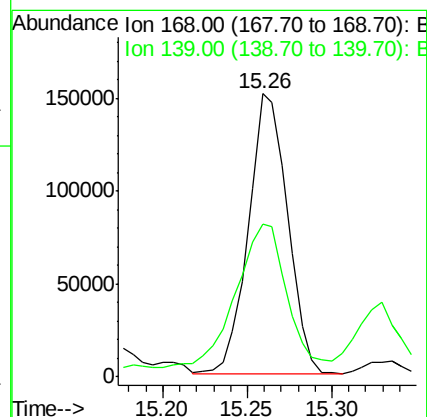
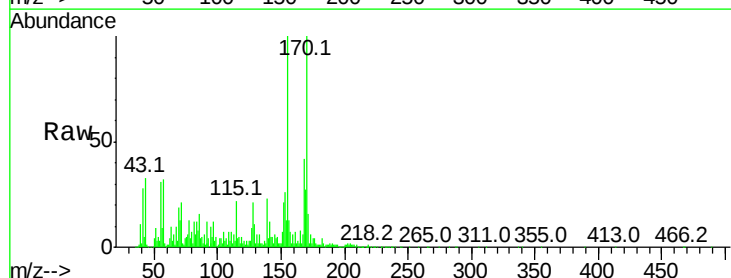
Acq: 16 Dec 2016 11:38

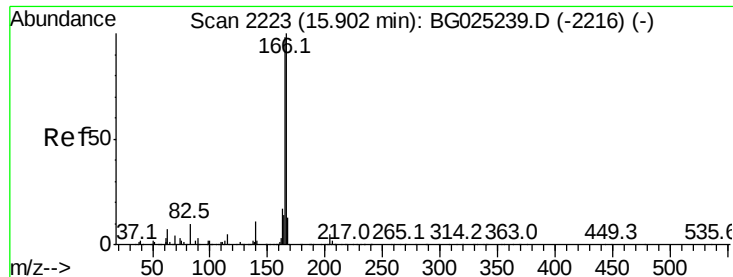
Tgt Ion:168 Resp: 243359

Ion Ratio Lower Upper

168 100

139 54.1 33.8 50.8#





#58

Fluorene

Concen: 23.10 ng/ul

RT: 15.91 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

Instrument :

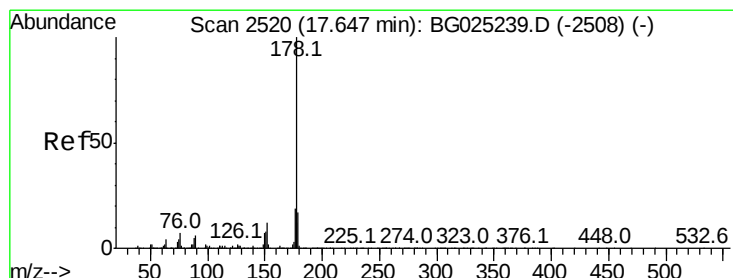
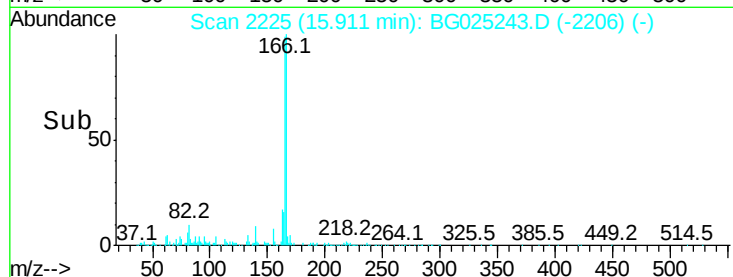
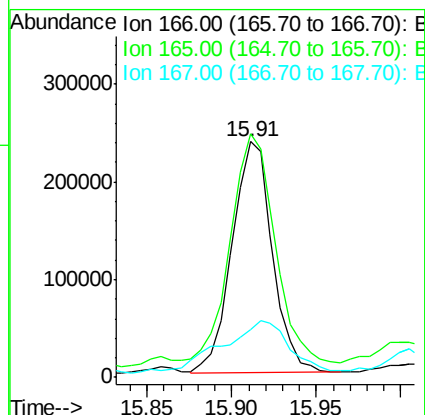
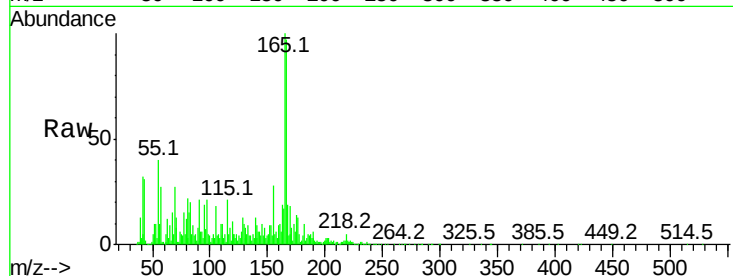
BNA_G

ClientSampleId :

DA882

Tot Ion:166 Resp: 390986

Ion	Ratio	Lower	Upper
166	100		
165	103.3	79.7	119.5
167	20.1	11.4	17.2#



#69

Phenanthrene

Concen: 33.66 ng/ul

RT: 17.66 min Scan# 2522

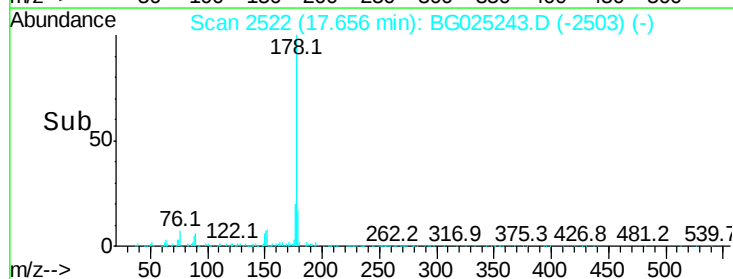
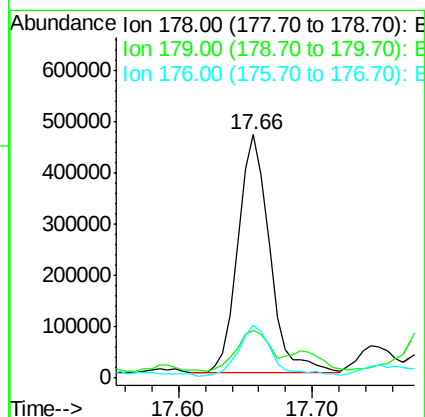
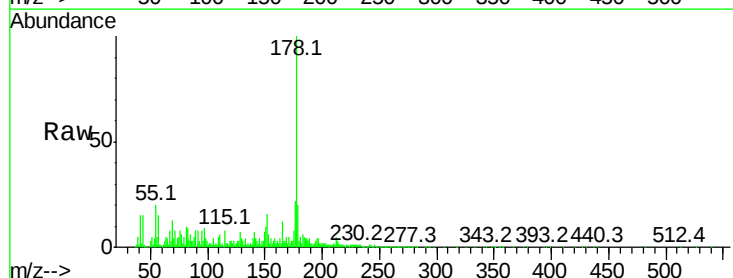
Delta R.T. 0.01 min

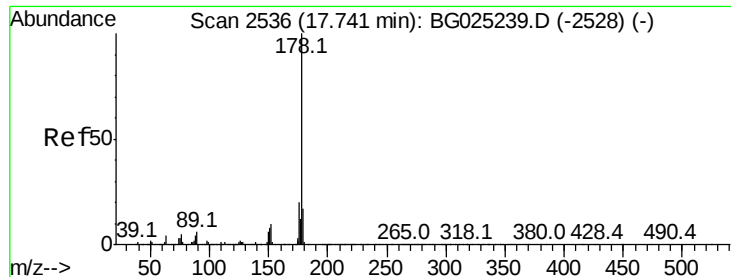
Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

Tgt Ion:178 Resp: 768425

Ion	Ratio	Lower	Upper
178	100		
179	19.6	12.4	18.6#
176	21.8	16.5	24.7





#71

Anthracene

Concen: 3.66 ng/ul

RT: 17.74 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

Instrument :

BNA_G

ClientSampleId :

DA882

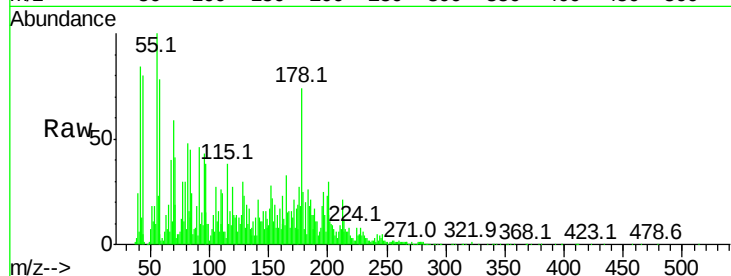
Tot Ion:178 Resp: 85987

Ion Ratio Lower Upper

178 100

179 33.9 12.6 19.0#

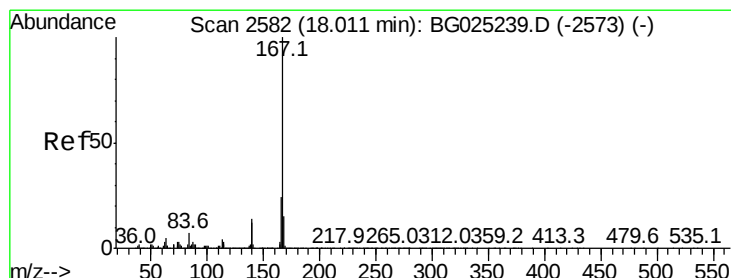
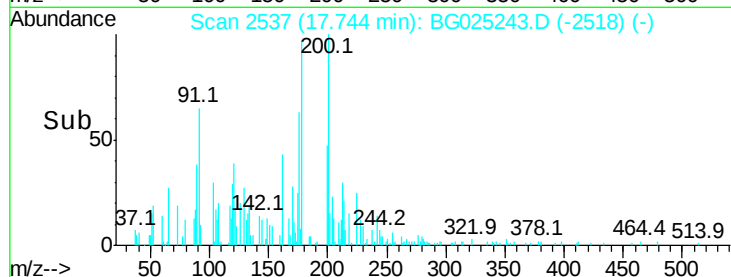
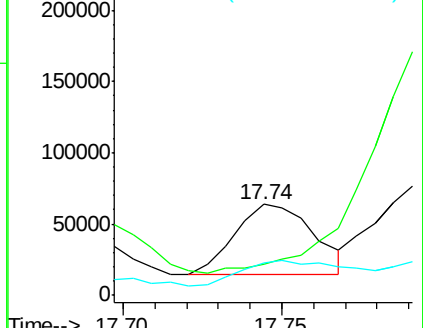
176 36.1 15.9 23.9#



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: 2.09 ng/ul

RT: 18.02 min Scan# 2584

Delta R.T. 0.02 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

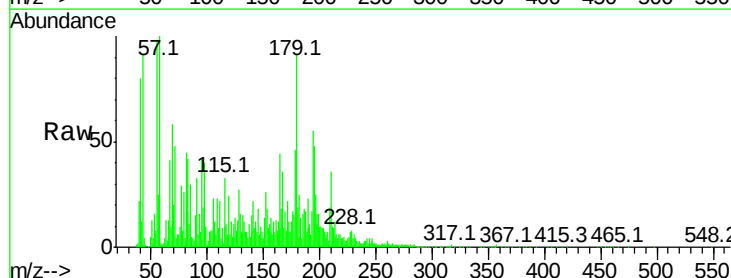
Tgt Ion:167 Resp: 40881

Ion Ratio Lower Upper

167 100

166 50.5 17.9 26.9#

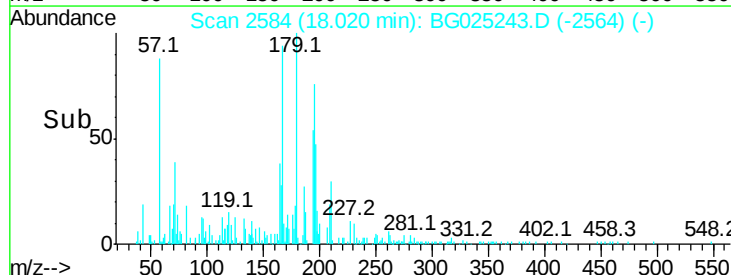
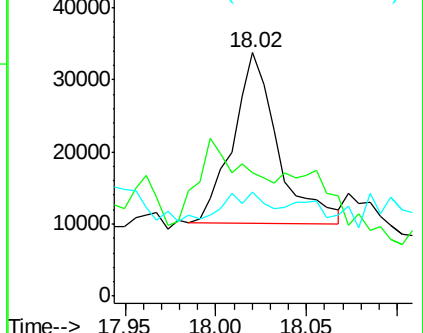
139 42.5 10.5 15.7#

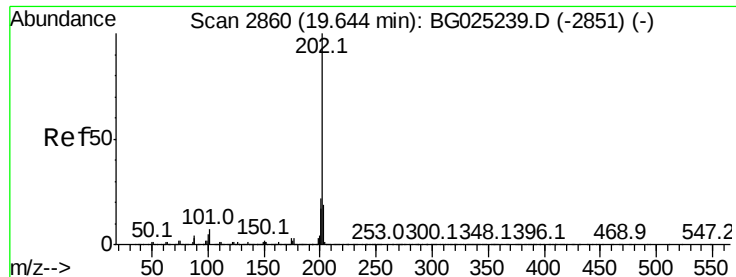


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 3.76 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. 0.01 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

Instrument :

BNA_G

ClientSampleId :

DA882

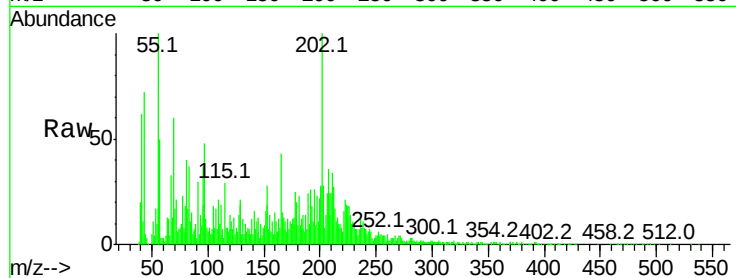
Tot Ion:202 Resp: 101932

Ion Ratio Lower Upper

202 100

101 8.2 6.2 9.2

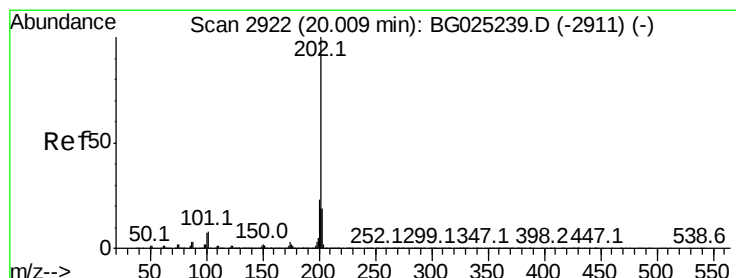
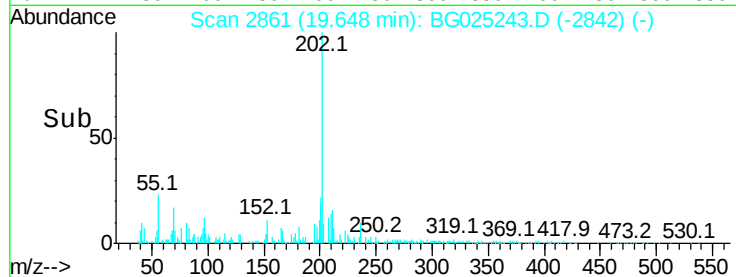
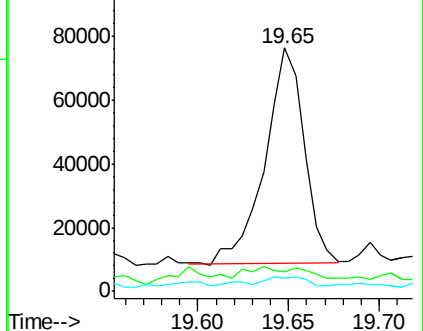
100 5.7 5.2 7.8



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: 6.25 ng/ul

RT: 20.01 min Scan# 2923

Delta R.T. 0.01 min

Lab File: BG025243.D

Acq: 16 Dec 2016 11:38

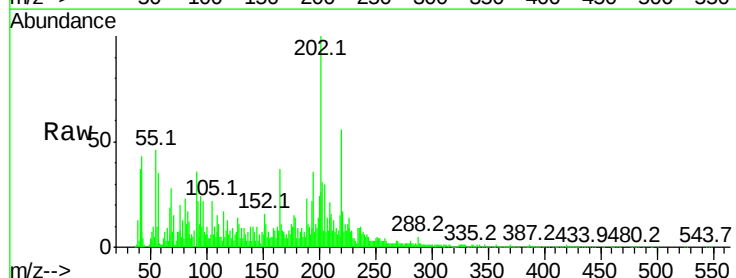
Tgt Ion:202 Resp: 172671

Ion Ratio Lower Upper

202 100

101 9.9 6.9 10.3

100 6.0 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

