

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025240.D
 Acq On : 16 Dec 2016 9:41
 Operator : UM/SJ
 Sample : H5970-22 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA861

Quant Time: Dec 16 13:31:17 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	76802	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	353929	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	255057	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	496696	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	602602	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	580888	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	1371	0.92	ng/uL	0.00
5) Phenol-d5	7.39	99	38172	5.76	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.55	67	24861	6.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	28186	6.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	33387	6.03	ng/ul	0.01
19) Nitrobenzene-d5	9.42	128	13693	5.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	17659	5.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	34242	5.70	ng/ul	0.02
29) 4-Chloroaniline-d4	11.22	131	11947	2.02	ng/ul	0.03
43) Dimethylphthalate-d6	14.25	166	110663	6.31	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	132803	6.91	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	6181	2.05	ng/ul	0.00
57) Fluorene-d10	15.85	176	111885	6.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	15360	5.00	ng/ul	0.01
70) Anthracene-d10	17.71	188	148136	7.07	ng/ul	0.00
76) Pyrene-d10	19.98	212	176776	7.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	171062	7.27	ng/ul	0.01

Target Compounds

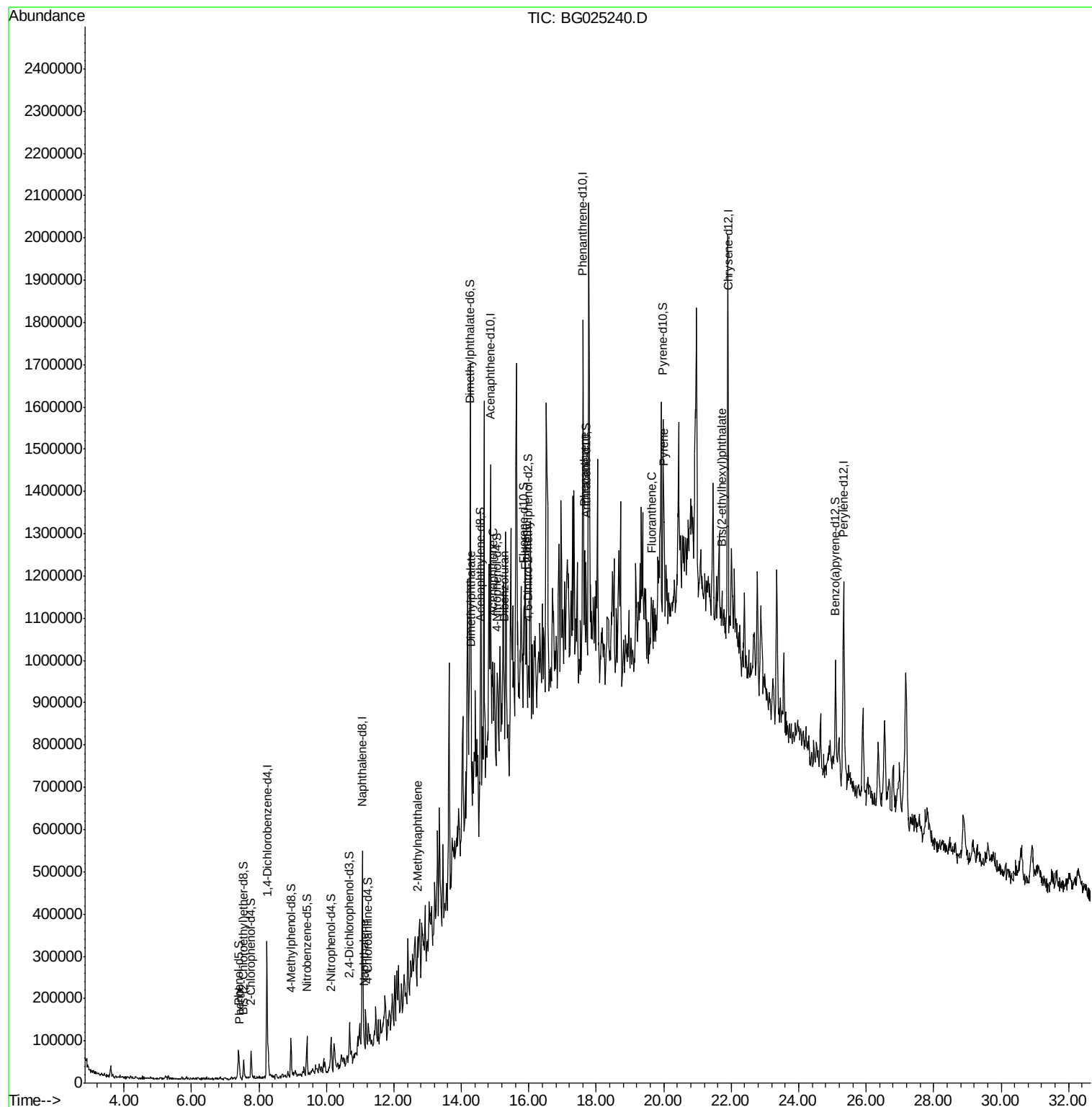
						Ovalue
6) Phenol	7.43	94	8385	1.23	ng/ul#	84
28) Naphthalene	11.11	128	22787	1.39	ng/ul#	93
34) 2-Methylnaphthalene	12.71	142	56361	4.34	ng/ul	99
44) Dimethylphthalate	14.30	163	53205	3.09	ng/ul#	90
49) Acenaphthene	14.93	153	30271	2.37	ng/ul#	85
53) Dibenzofuran	15.26	168	35627	1.76	ng/ul	95
58) Fluorene	15.91	166	68576	4.16	ng/ul#	86
69) Phenanthrene	17.65	178	177122	7.47	ng/ul#	93
74) Fluoranthene	19.64	202	67065	2.38	ng/ul#	94
77) Pyrene	20.01	202	116602	4.03	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.72	149	23767	1.52	ng/ul#	58

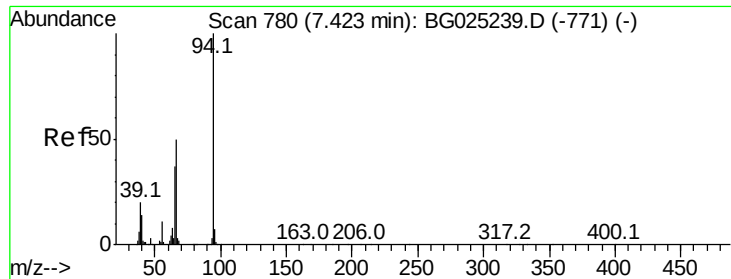
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.23 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.01 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

Instrument :

BNA_G

ClientSampleId :

DA861

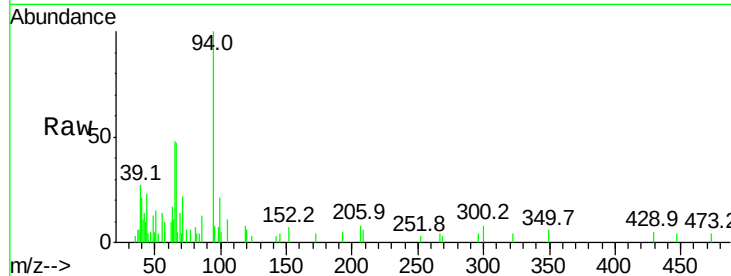
Tot Ion: 94 Resp: 8385

Ion Ratio Lower Upper

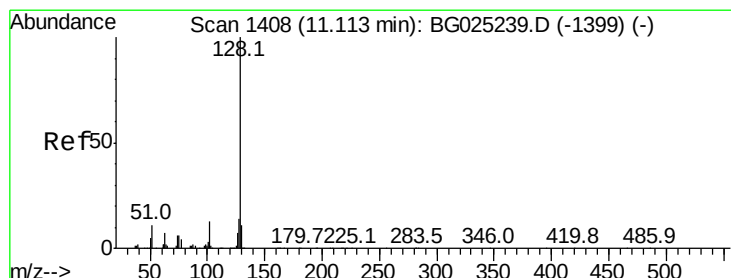
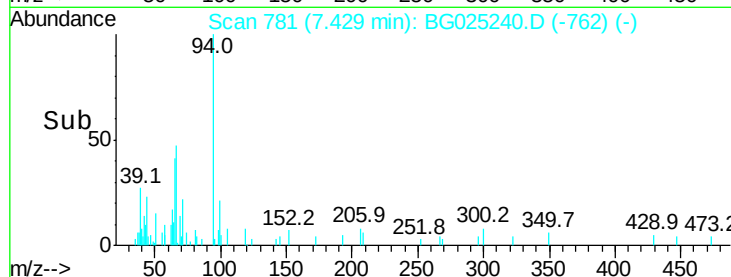
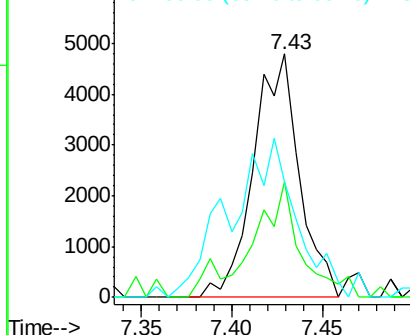
94 100

65 47.7 26.8 40.2#

66 47.4 44.4 66.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 1.39 ng/ul

RT: 11.11 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

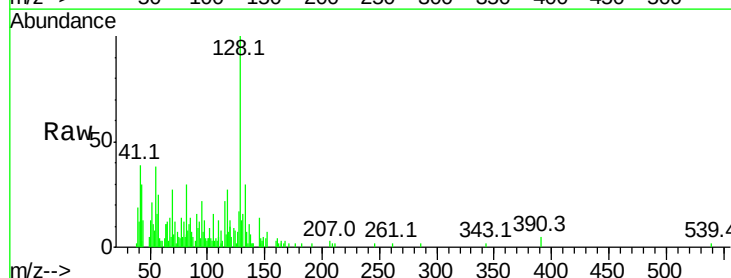
Tgt Ion: 128 Resp: 22787

Ion Ratio Lower Upper

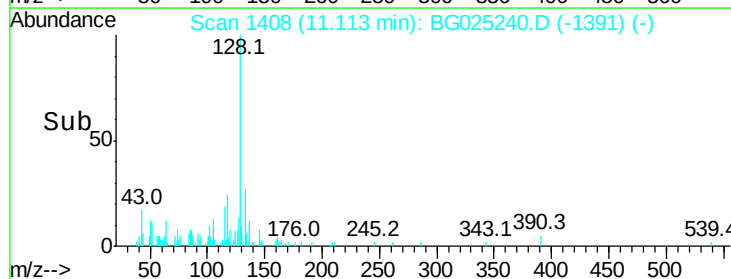
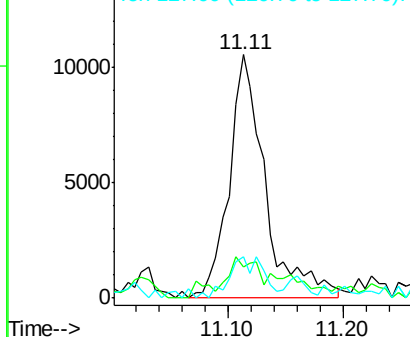
128 100

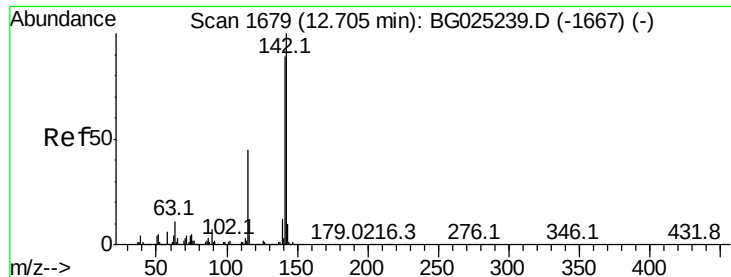
129 13.0 9.4 14.2

127 16.8 10.3 15.5#



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

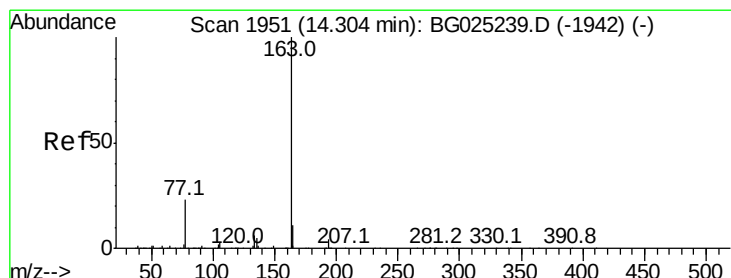
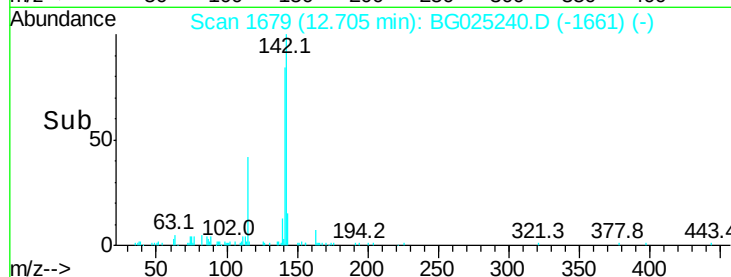
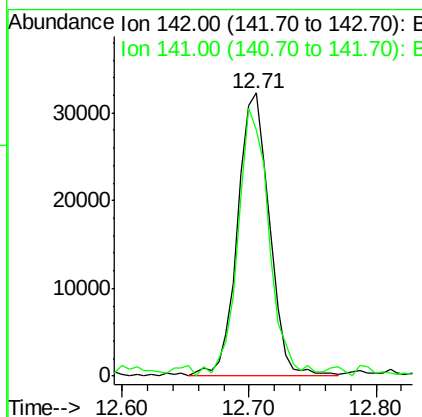
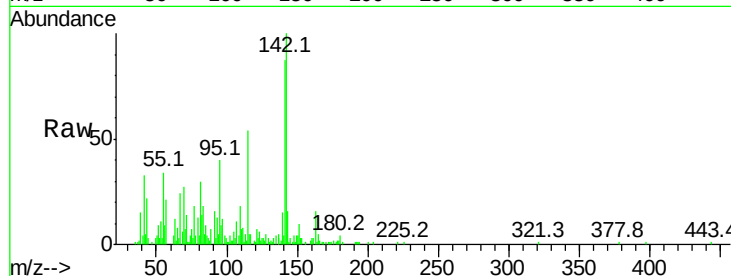




#34
2-Methylnaphthalene
Concen: 4.34 ng/ul
RT: 12.71 min Scan# 1679
Delta R.T. 0.01 min
Lab File: BG025240.D
Acq: 16 Dec 2016 9:41

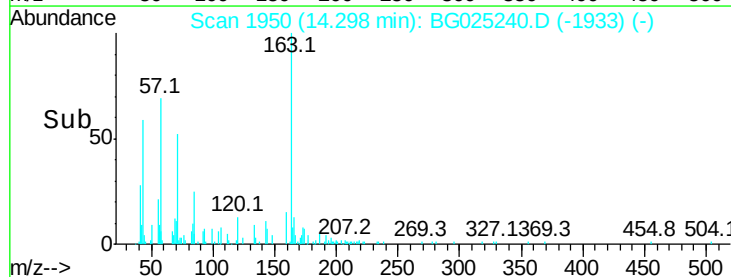
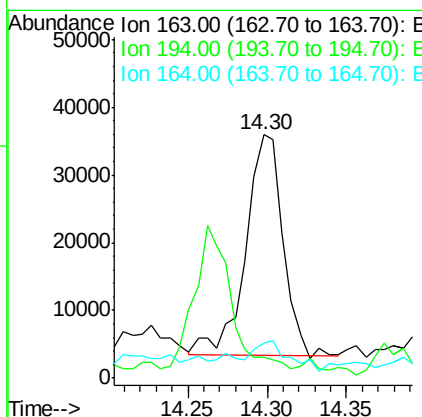
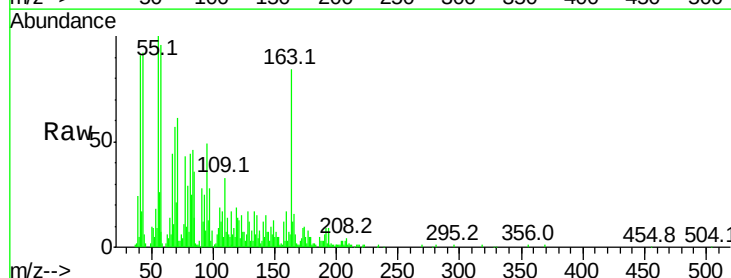
Instrument :
BNA_G
ClientSampleId :
DA861

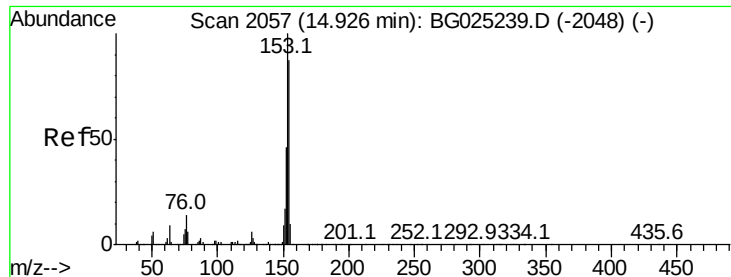
Tot Ion:142 Resp: 56361
Ion Ratio Lower Upper
142 100
141 87.0 68.6 102.8



#44
Dimethylphthalate
Concen: 3.09 ng/ul
RT: 14.30 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BG025240.D
Acq: 16 Dec 2016 9:41

Tgt Ion:163 Resp: 53205
Ion Ratio Lower Upper
163 100
194 8.4 3.4 5.0#
164 14.5 9.0 13.4#





#49

Acenaphthene

Concen: 2.37 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

Instrument :

BNA_G

ClientSampleId :

DA861

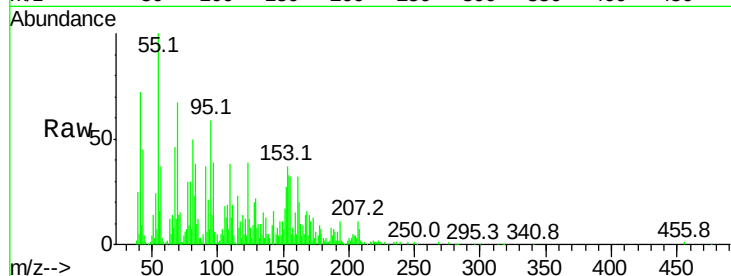
Tot Ion:153 Resp: 30271

Ion Ratio Lower Upper

153 100

152 72.2 36.5 54.7#

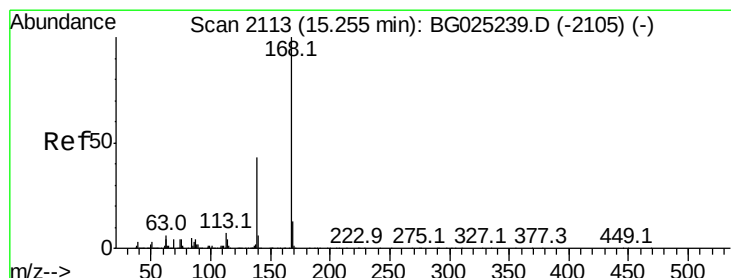
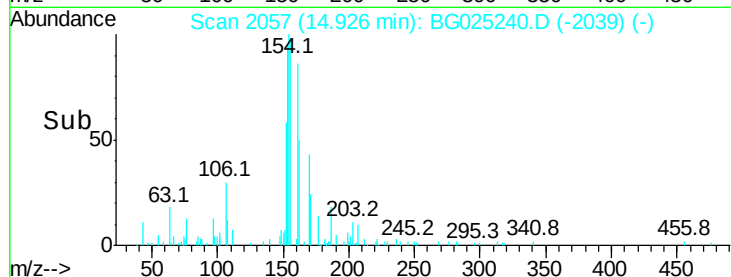
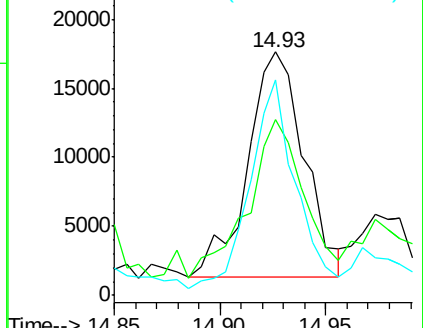
154 88.2 72.3 108.5



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: 1.76 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BG025240.D

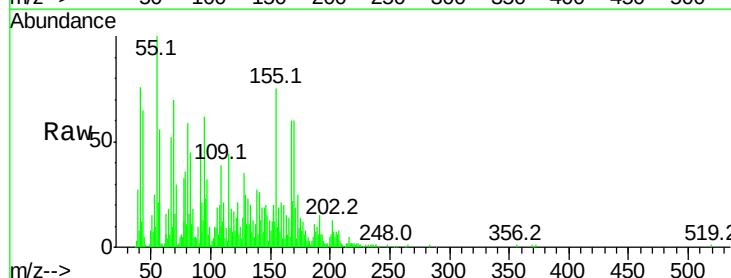
Acq: 16 Dec 2016 9:41

Tgt Ion:168 Resp: 35627

Ion Ratio Lower Upper

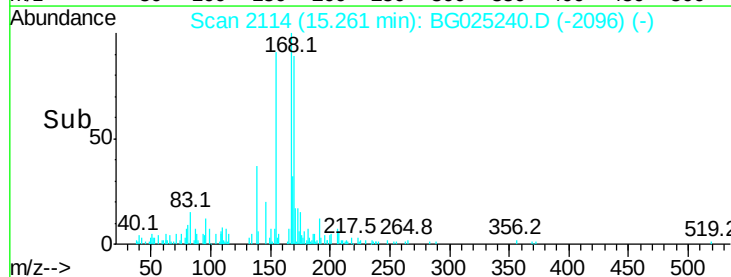
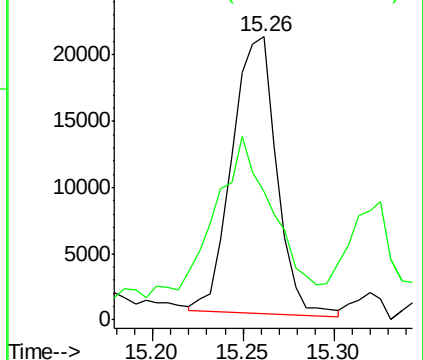
168 100

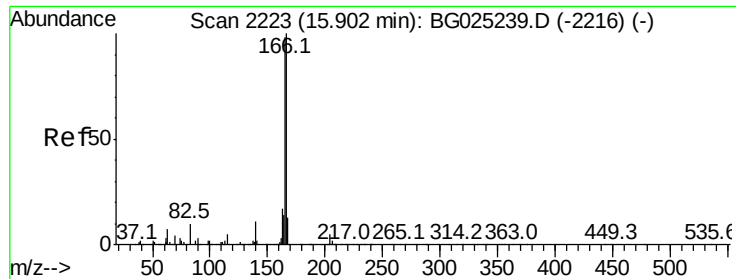
139 45.4 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.16 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

Instrument :

BNA_G

ClientSampleId :

DA861

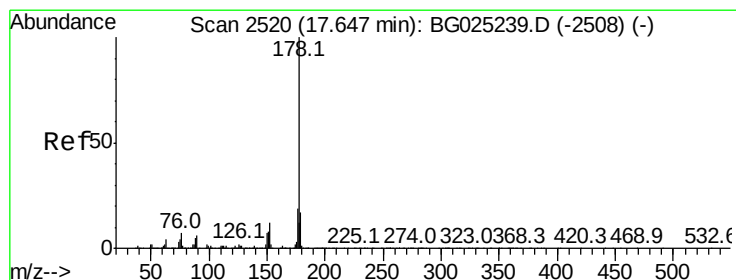
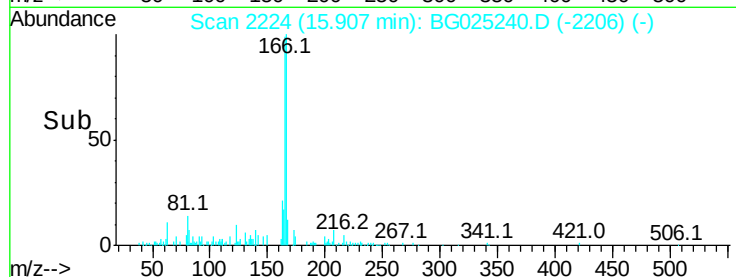
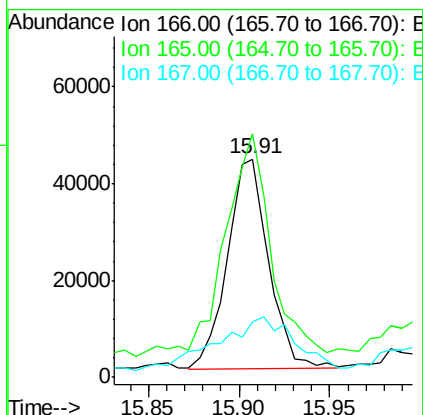
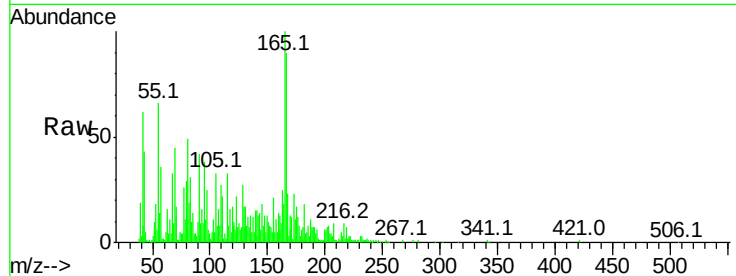
Tot Ion:166 Resp: 68576

Ion Ratio Lower Upper

166 100

165 111.4 79.7 119.5

167 25.1 11.4 17.2#



#69

Phenanthrene

Concen: 7.47 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

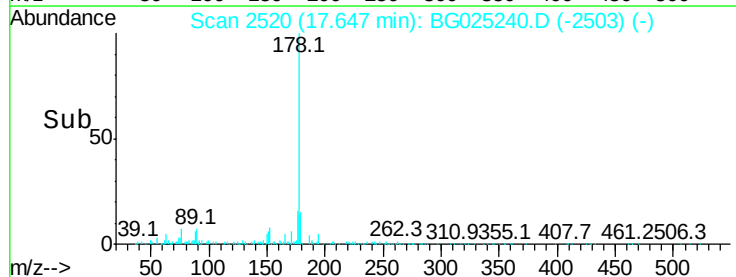
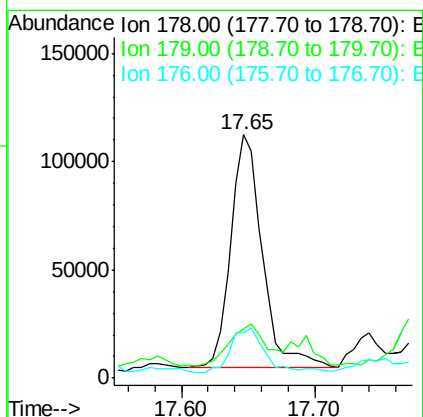
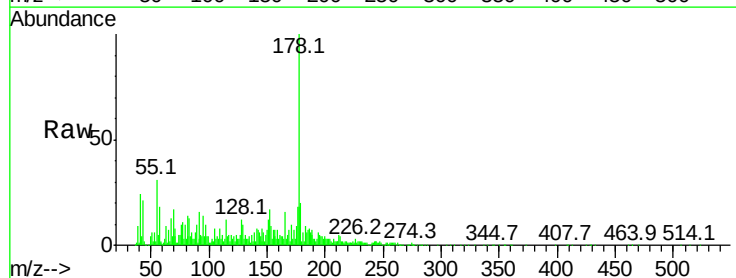
Tgt Ion:178 Resp: 177122

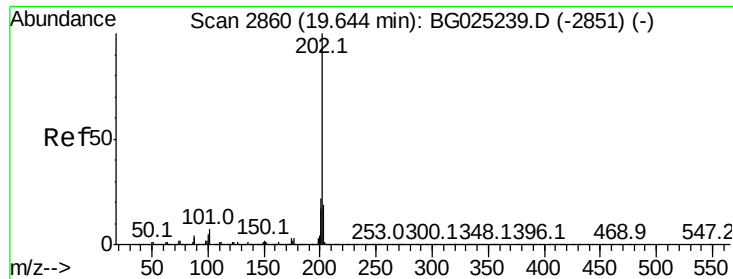
Ion Ratio Lower Upper

178 100

179 20.0 12.4 18.6#

176 18.4 16.5 24.7





#74

Fluoranthene

Concen: 2.38 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.01 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

Instrument :

BNA_G

ClientSampled :

DA861

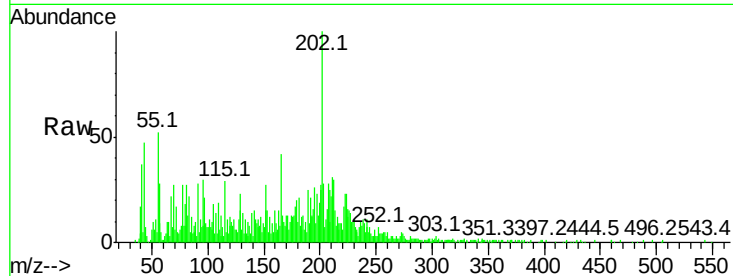
Tot Ion:202 Resp: 67065

Ion Ratio Lower Upper

202 100

101 11.0 6.2 9.2#

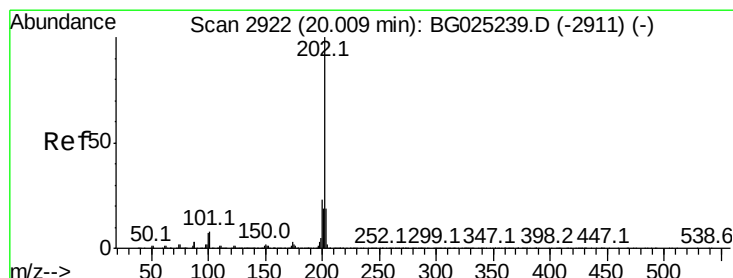
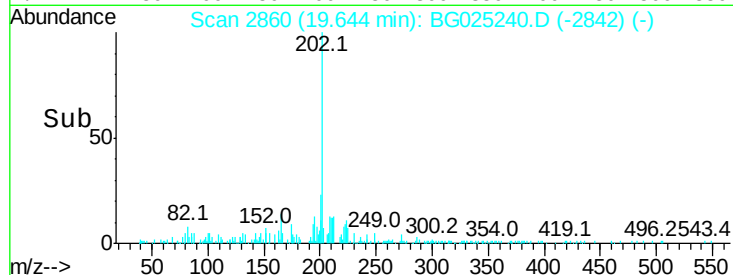
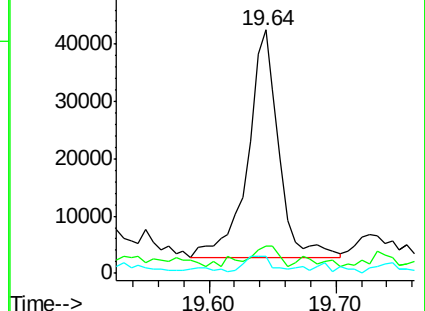
100 7.0 5.2 7.8



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: 4.03 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

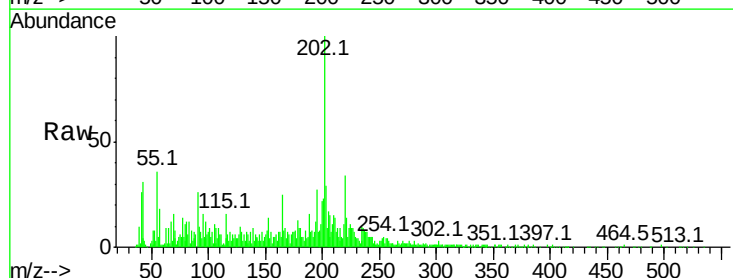
Tgt Ion:202 Resp: 116602

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

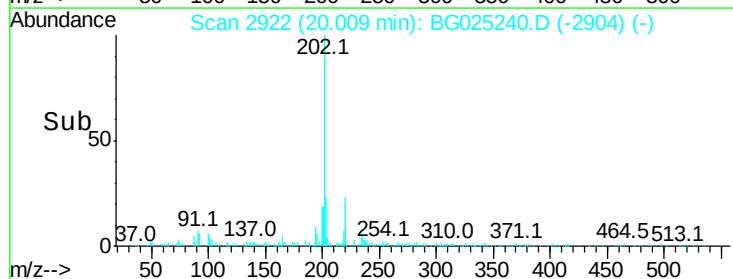
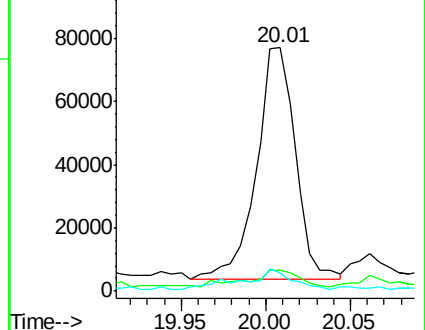
100 7.4 6.6 10.0

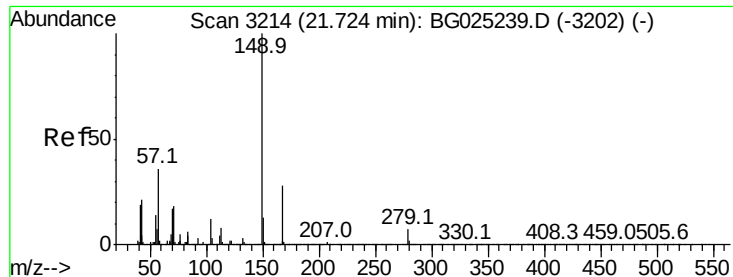


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.52 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. 0.01 min

Lab File: BG025240.D

Acq: 16 Dec 2016 9:41

Instrument :

BNA_G

ClientSampleId :

DA861

Tot Ion:149 Resp: 23767

Ion Ratio Lower Upper

149 100

167 50.4 21.8 32.8#

279 16.0 4.5 6.7#

