

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
 Data File : BG022056.D
 Acq On : 23 May 2016 21:19
 Operator : UM/SJ
 Sample : H3086-20MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHGG9MS

Quant Time: May 24 11:50:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 05:44:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45860	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	197138	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	101978	20.00	ng/ul	0.03
61) Phenanthrene-d10	17.56	188	183055	20.00	ng/ul	0.03
75) Chrysene-d12	21.86	240	217322	20.00	ng/ul	0.06
83) Perylene-d12	25.31	264	138666	20.00	ng/ul	0.17

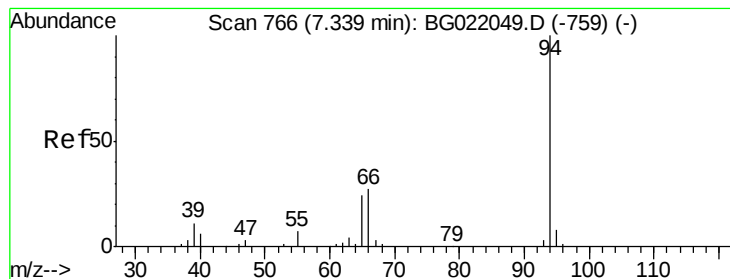
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	880	1.00	ng/uL	0.00
5) Phenol-d5	7.32	99	48477	11.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	24448	11.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	41859	12.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	41796	11.89	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	22314	15.35	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	24002	15.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	40558	14.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	143910	47.56	ng/ul	-0.02
43) Dimethylphthalate-d6	14.20	166	131144	17.12	ng/ul	0.01
46) Acenaphthylene-d8	14.51	160	162544	15.20	ng/ul	0.03
51) 4-Nitrophenol-d4	15.01	143	44181	33.49	ng/ul	0.03
57) Fluorene-d10	15.80	176	110961	15.47	ng/ul	0.03
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.65	188	152097	17.31	ng/ul	0.03
76) Pyrene-d10	19.94	212	171702	14.01	ng/ul	0.03
87) Benzo(a)pyrene-d12	25.07	264	117589	18.28	ng/ul	0.16

Target Compounds

						Qvalue
6) Phenol	7.35	94	48159	11.54	ng/ul	98
10) 2-Chlorophenol	7.73	128	41452	12.14	ng/ul	95
14) Acetophenone	8.97	105	5318	1.08	ng/ul#	36
15) N-Nitroso-di-n-propylamine	8.96	70	31900	12.57	ng/ul	98
28) Naphthalene	11.03	128	14147	1.42	ng/ul#	6
33) 4-Chloro-3-methylphenol	12.26	107	39714	13.68	ng/ul	91
34) 2-Methylnaphthalene	12.64	142	453490	63.47	ng/ul	100
47) Acenaphthylene	14.54	152	86598	7.95	ng/ul#	1
49) Acenaphthene	14.87	153	452551	60.13	ng/ul	96
58) Fluorene	15.86	166	230629	29.36	ng/ul#	91
68) Pentachlorophenol	17.21	266	13274	11.87	ng/ul	88
69) Phenanthrene	17.60	178	612930	60.20	ng/ul#	92
71) Anthracene	17.69	178	24457	2.37	ng/ul#	56
74) Fluoranthene	19.60	202	65725	6.32	ng/ul#	85
77) Pyrene	19.97	202	496696	32.48	ng/ul	96
80) Benzo(a)anthracene	21.84	228	69947	5.49	ng/ul#	29
82) Chrysene	21.91	228	135808	11.11	ng/ul#	60

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



#6

Phenol

Concen: 11.54 ng/ul

RT: 7.35 min Scan# 767

Delta R.T. 0.01 min

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ClientSampleId :

JHGG9MS

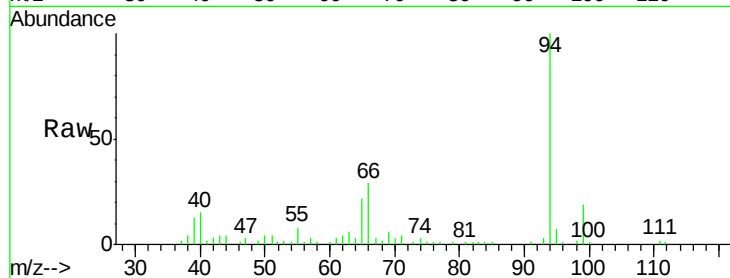
Tgt Ion: 94 Resp: 48159

Ion Ratio Lower Upper

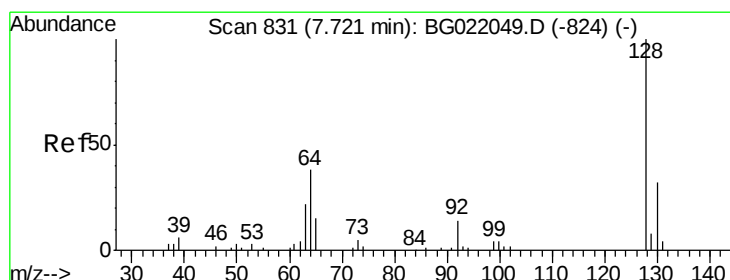
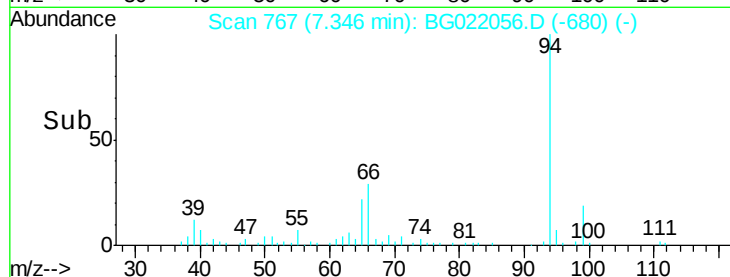
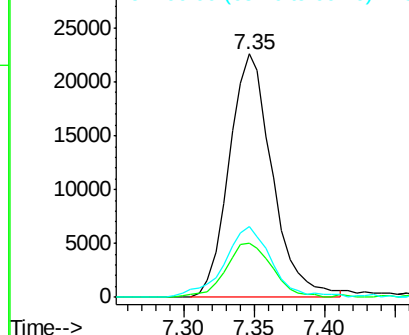
94 100

65 22.3 16.8 25.2

66 29.1 22.6 33.8



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



#10

2-Chlorophenol

Concen: 12.14 ng/ul

RT: 7.73 min Scan# 832

Delta R.T. 0.01 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

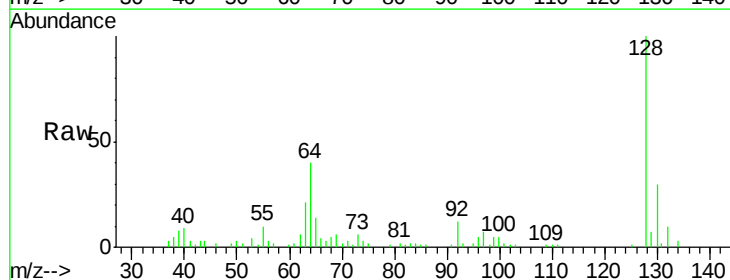
Tgt Ion: 128 Resp: 41452

Ion Ratio Lower Upper

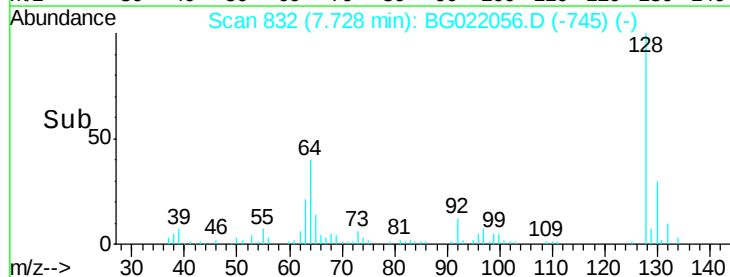
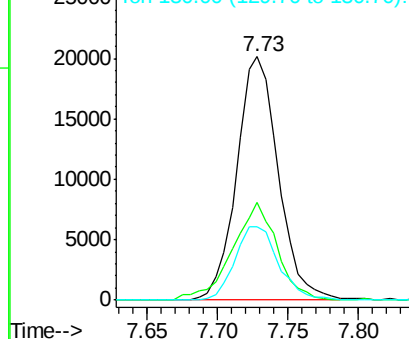
128 100

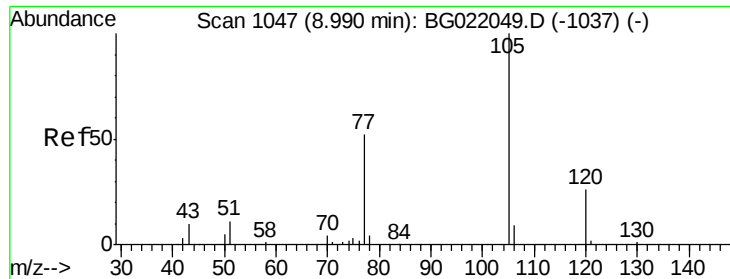
64 40.0 34.2 51.4

130 30.2 27.0 40.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E





#14

Acetophenone

Concen: 1.08 ng/ul

RT: 8.97 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

Instrument :

BNA_G

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JHGG9MS

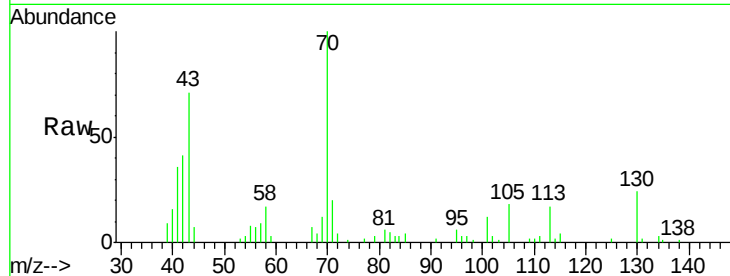
Tgt Ion:105 Resp: 5318

Ion Ratio Lower Upper

105 100

77 12.8 56.1 84.1#

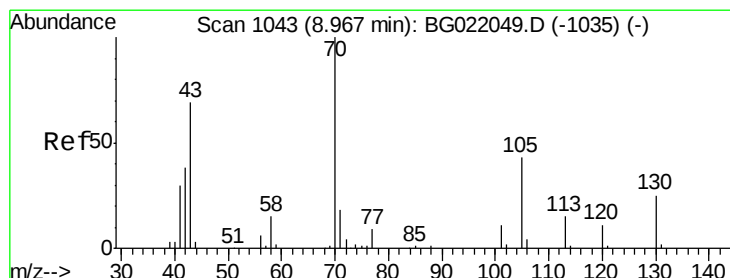
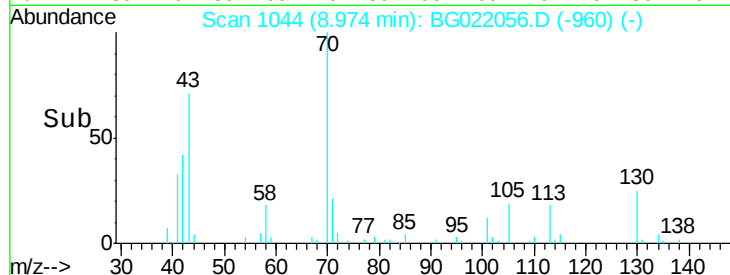
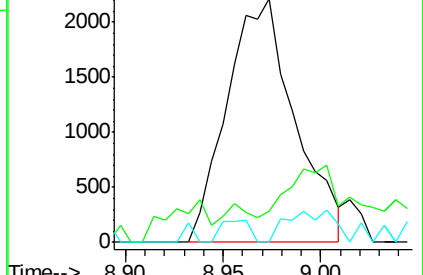
51 0.0 14.6 22.0#



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



#15

N-Nitroso-di-n-propylamine

Concen: 12.57 ng/ul

RT: 8.96 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

Tgt Ion: 70 Resp: 31900

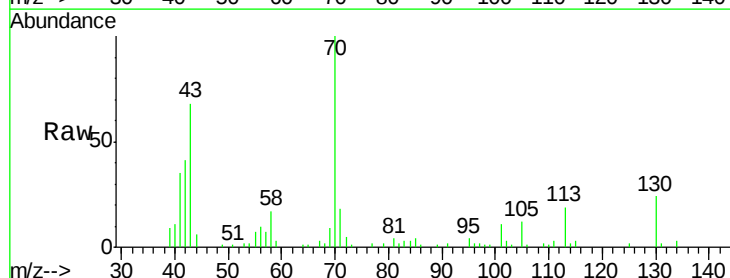
Ion Ratio Lower Upper

70 100

42 41.5 31.4 47.2

101 11.0 8.6 13.0

130 24.2 19.0 28.4

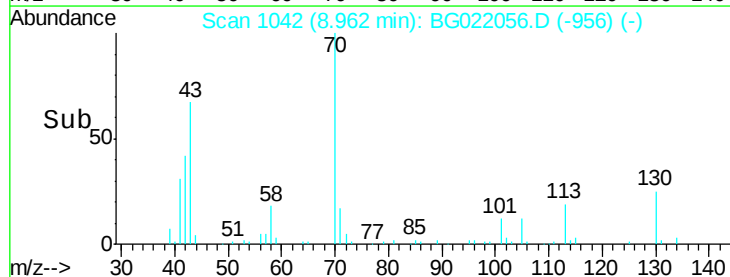
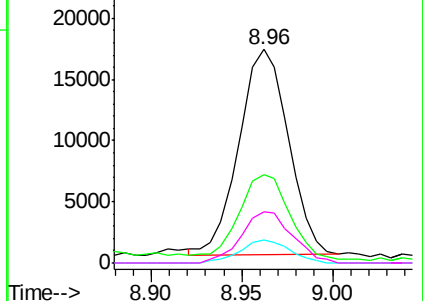


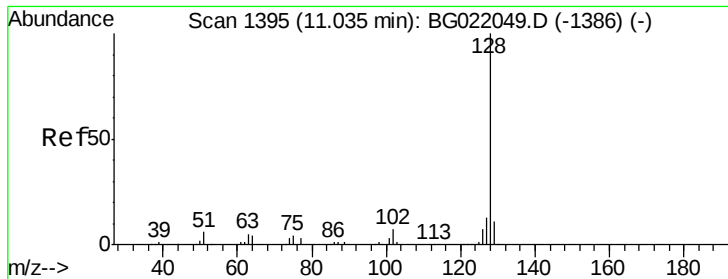
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

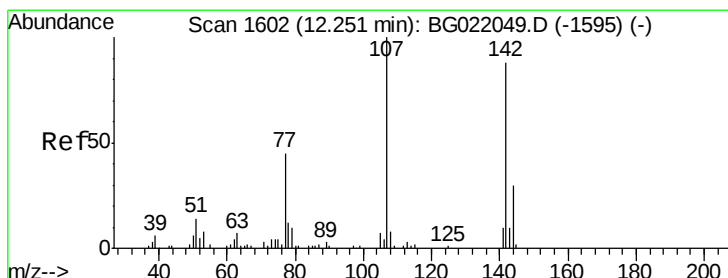
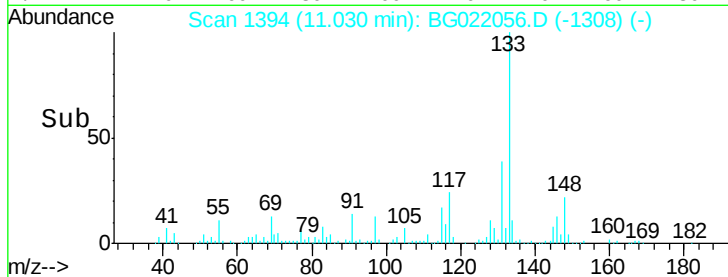
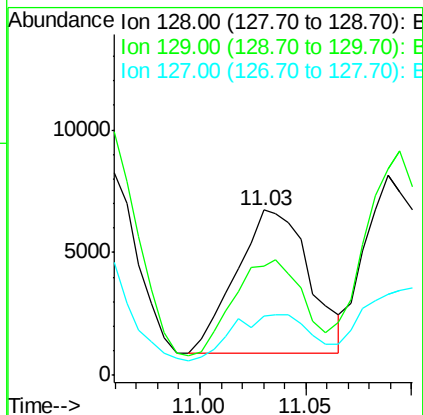
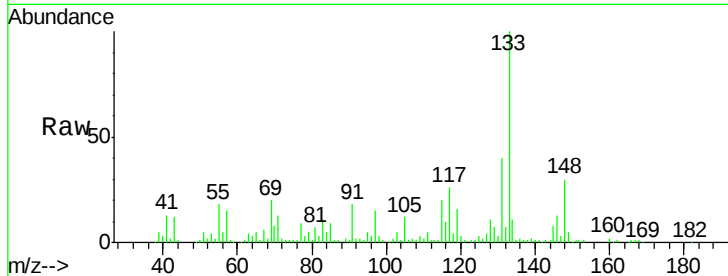




#28
Naphthalene
Concen: 1.42 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

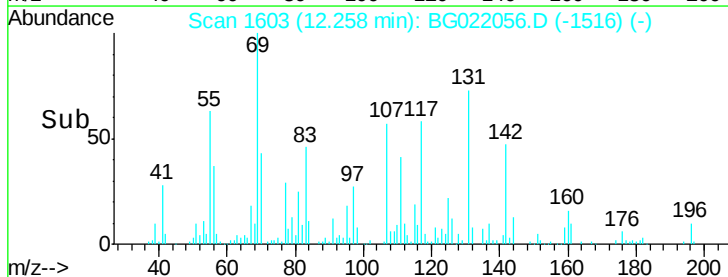
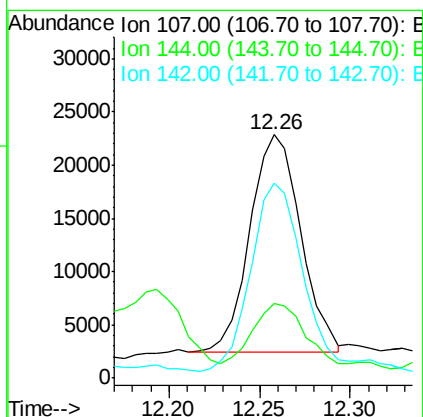
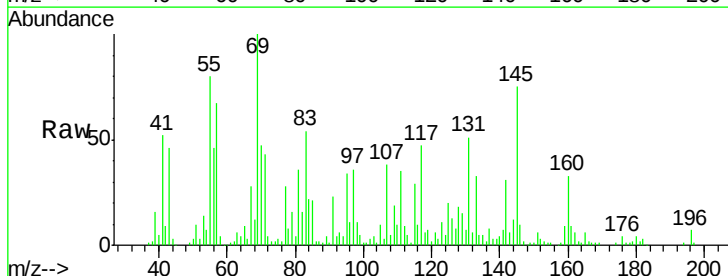
Instrument :
BNA_G
ClientSampleId :
JHGG9MS

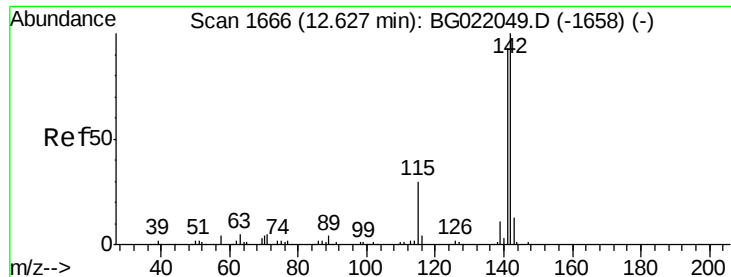
Tgt Ion:128 Resp: 14147
Ion Ratio Lower Upper
128 100
129 65.8 9.4 14.2#
127 36.2 11.2 16.8#



#33
4-Chloro-3-methylphenol
Concen: 13.68 ng/ul
RT: 12.26 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BG022056.D
Acq: 23 May 2016 21:19

Tgt Ion:107 Resp: 39714
Ion Ratio Lower Upper
107 100
144 30.7 22.7 34.1
142 80.2 71.6 107.4

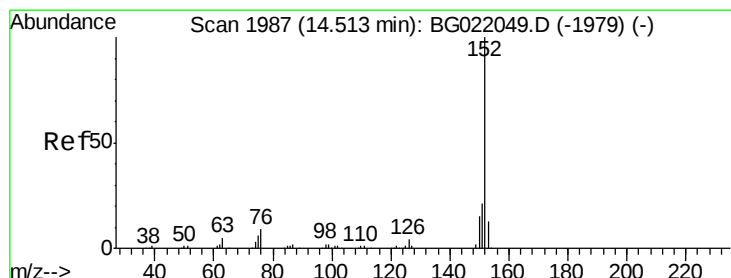
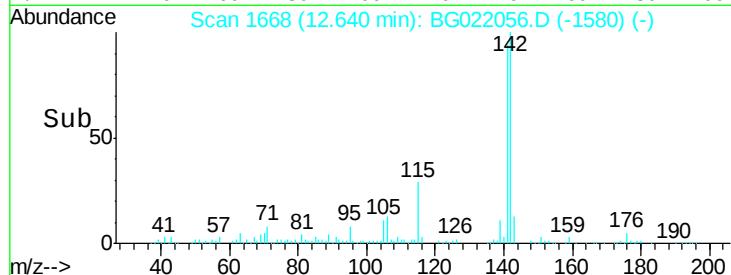
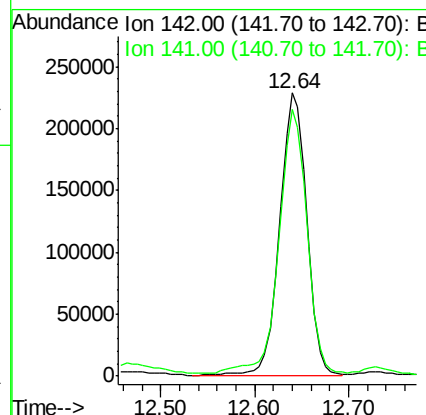
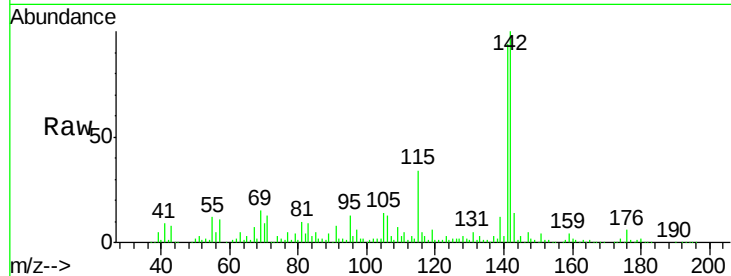




#34
 2-Methylnaphthalene
 Concen: 63.47 ng/ul
 RT: 12.64 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: BG022056.D
 Acq: 23 May 2016 21:19

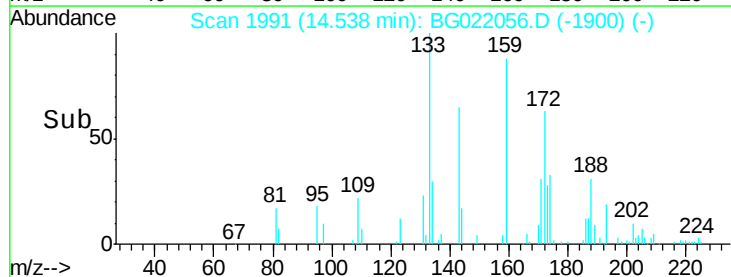
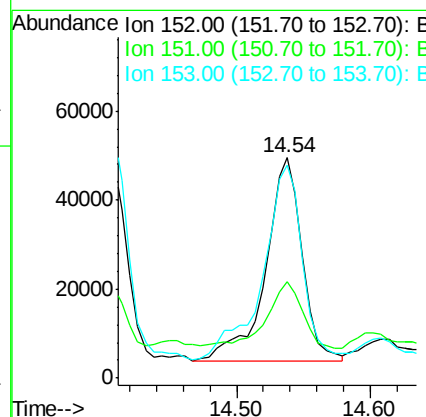
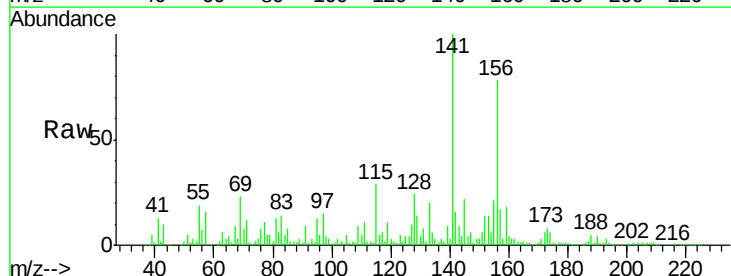
Instrument :
 BNA_G
 ClientSampleId :
 JHGG9MS

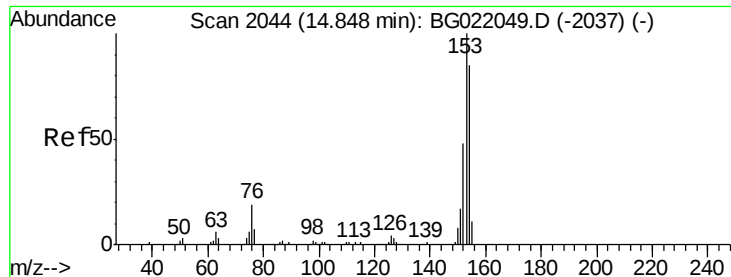
Tgt Ion:142 Resp: 453490
 Ion Ratio Lower Upper
 142 100
 141 94.3 75.2 112.8



#47
 Acenaphthylene
 Concen: 7.95 ng/ul
 RT: 14.54 min Scan# 1991
 Delta R.T. 0.03 min
 Lab File: BG022056.D
 Acq: 23 May 2016 21:19

Tgt Ion:152 Resp: 86598
 Ion Ratio Lower Upper
 152 100
 151 43.6 17.5 26.3#
 153 96.6 11.1 16.7#





#49

Acenaphthene

Concen: 60.13 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.03 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

Instrument :

BNA_G

ClientSampleId :

JHGG9MS

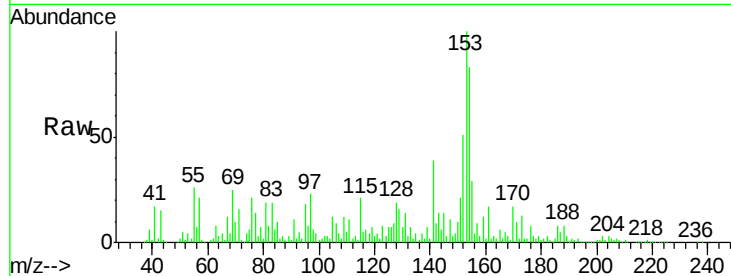
Tgt Ion:153 Resp: 452551

Ion Ratio Lower Upper

153 100

152 50.9 37.3 55.9

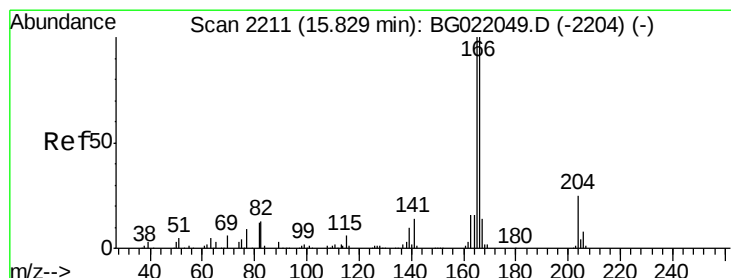
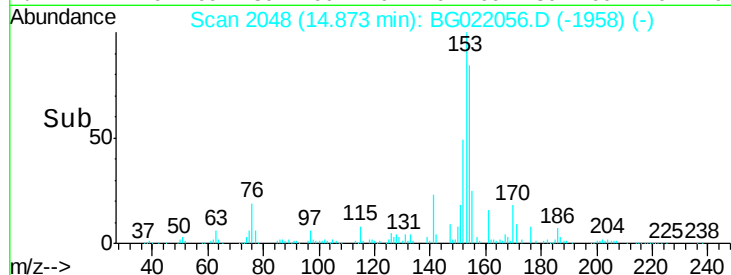
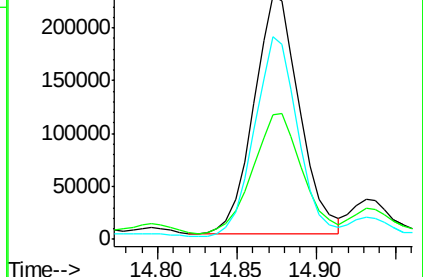
154 83.2 68.2 102.2



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



#58

Fluorene

Concen: 29.36 ng/ul

RT: 15.86 min Scan# 2216

Delta R.T. 0.03 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

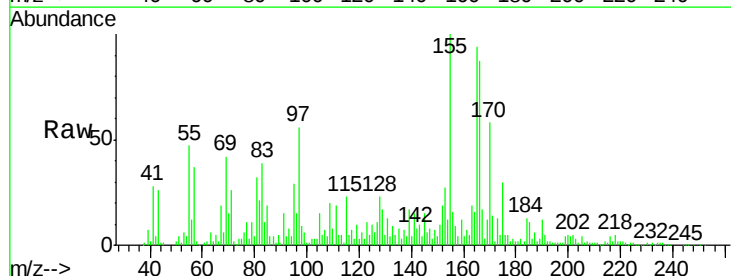
Tgt Ion:166 Resp: 230629

Ion Ratio Lower Upper

166 100

165 108.0 80.3 120.5

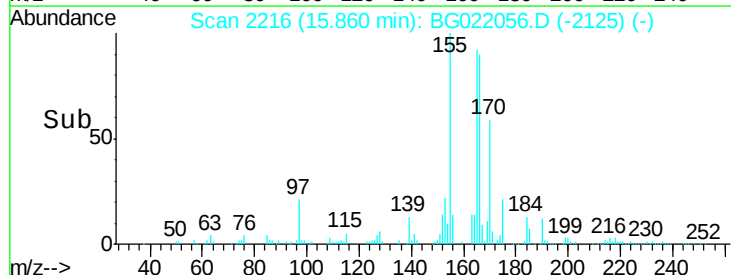
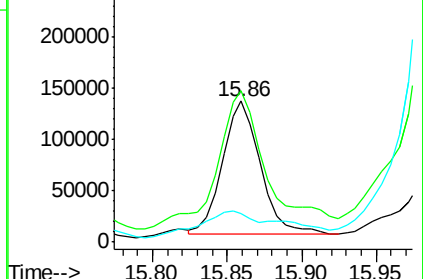
167 20.0 10.3 15.5#

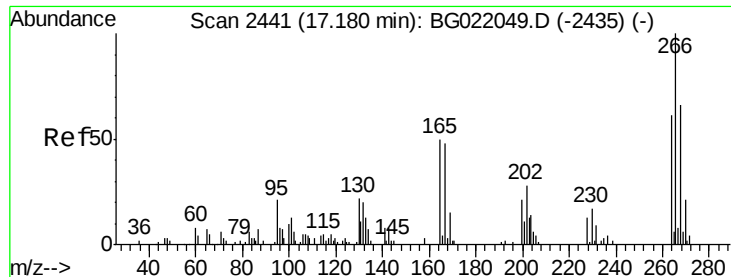


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

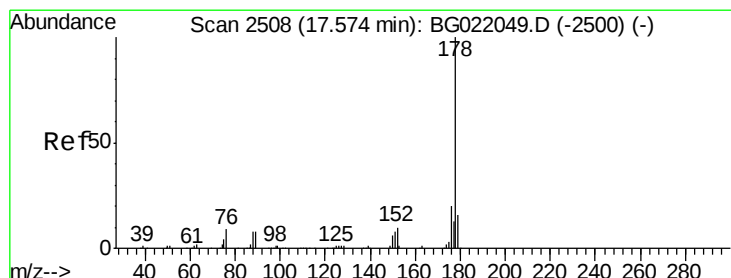
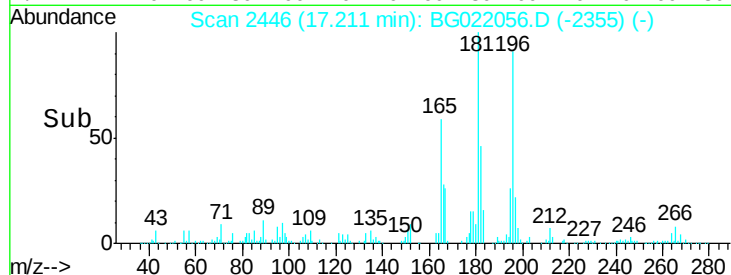
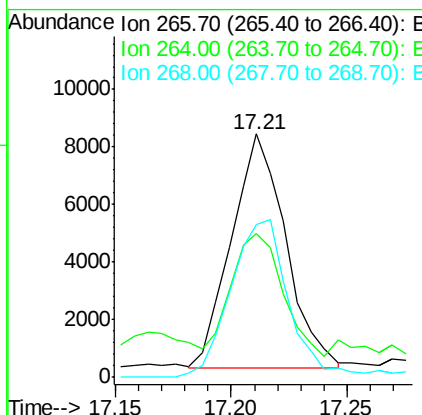
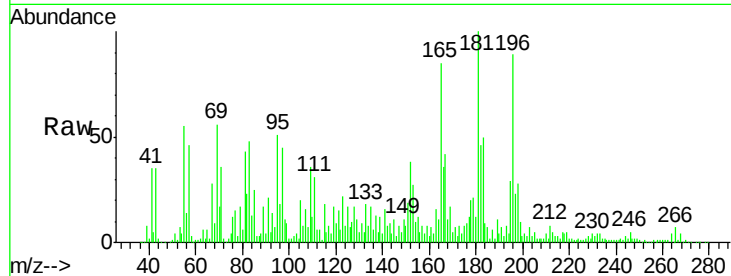




#68
 Pentachlorophenol
 Concen: 11.87 ng/ul
 RT: 17.21 min Scan# 2446
 Delta R.T. 0.03 min
 Lab File: BG022056.D
 Acq: 23 May 2016 21:19

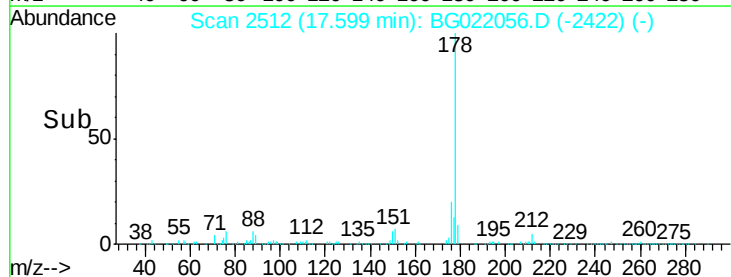
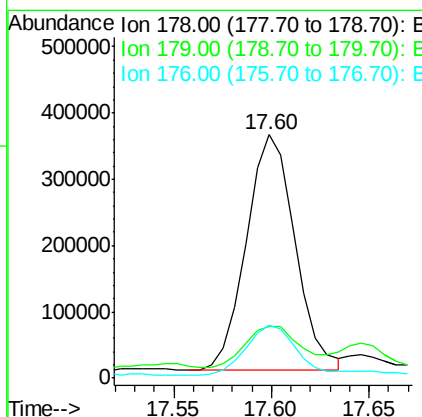
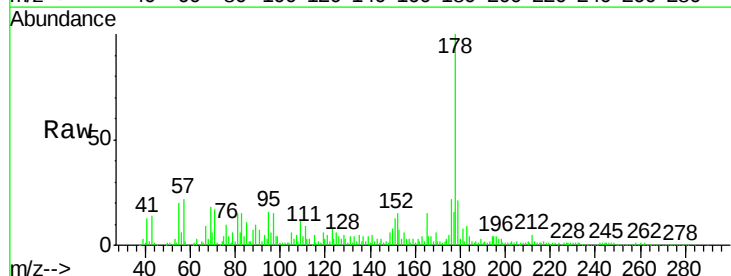
Instrument :
 BNA_G
 ClientSampled :
 JHGG9MS

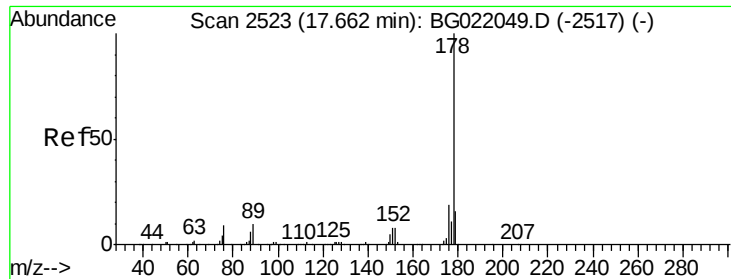
Tgt Ion:266 Resp: 13274
 Ion Ratio Lower Upper
 266 100
 264 59.1 54.7 82.1
 268 62.7 57.8 86.8



#69
 Phenanthrene
 Concen: 60.20 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.03 min
 Lab File: BG022056.D
 Acq: 23 May 2016 21:19

Tgt Ion:178 Resp: 612930
 Ion Ratio Lower Upper
 178 100
 179 21.4 12.9 19.3#
 176 21.9 15.8 23.8

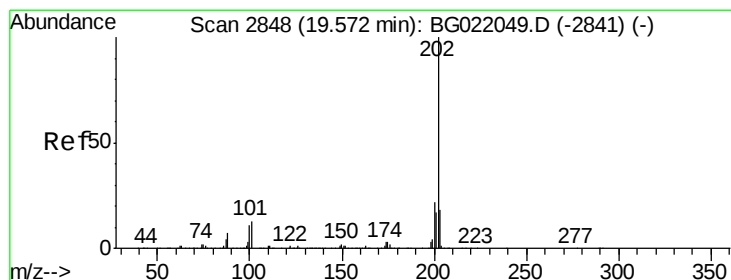
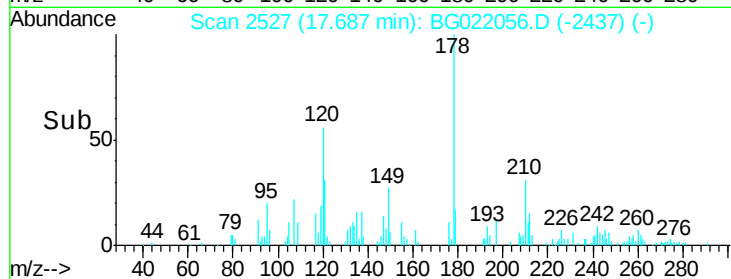
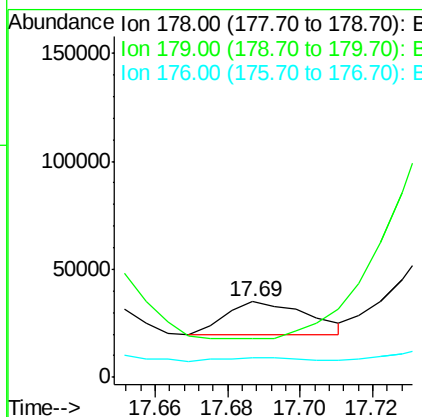
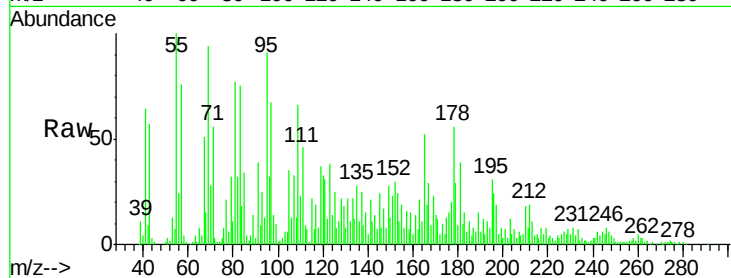




#71
 Anthracene
 Concen: 2.37 ng/ul
 RT: 17.69 min Scan# 2527
 Delta R.T. 0.03 min
 Lab File: BG022056.D
 Acq: 23 May 2016 21:19

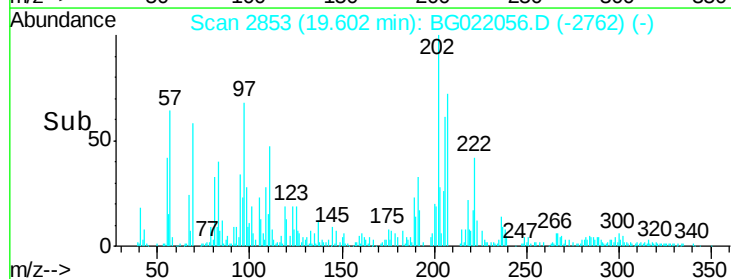
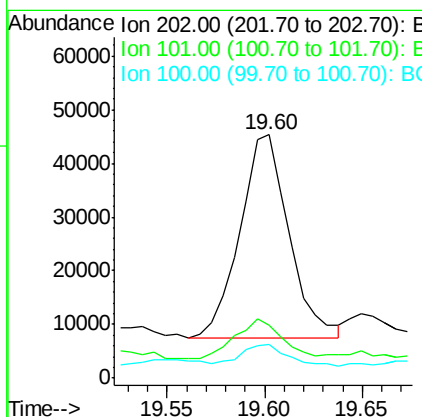
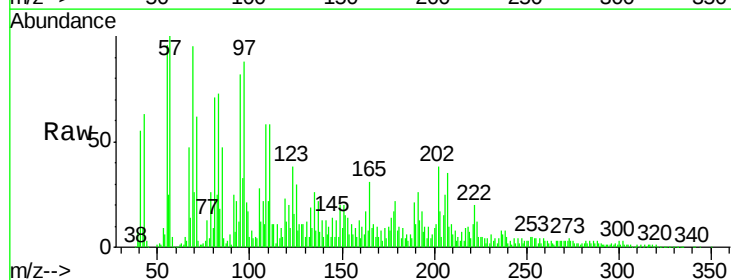
Instrument :
 BNA_G
 ClientSampleId :
 JHGG9MS

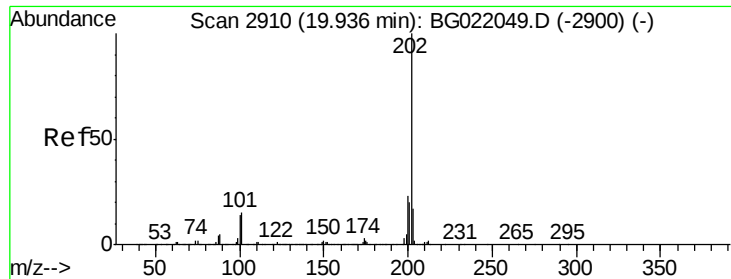
Tgt Ion:178 Resp: 24457
 Ion Ratio Lower Upper
 178 100
 179 51.1 12.3 18.5#
 176 26.2 16.3 24.5#



#74
 Fluoranthene
 Concen: 6.32 ng/ul
 RT: 19.60 min Scan# 2853
 Delta R.T. 0.03 min
 Lab File: BG022056.D
 Acq: 23 May 2016 21:19

Tgt Ion:202 Resp: 65725
 Ion Ratio Lower Upper
 202 100
 101 21.7 10.6 16.0#
 100 14.1 8.7 13.1#





#77

Pyrene

Concen: 32.48 ng/ul

RT: 19.97 min Scan# 2915

Delta R.T. 0.03 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

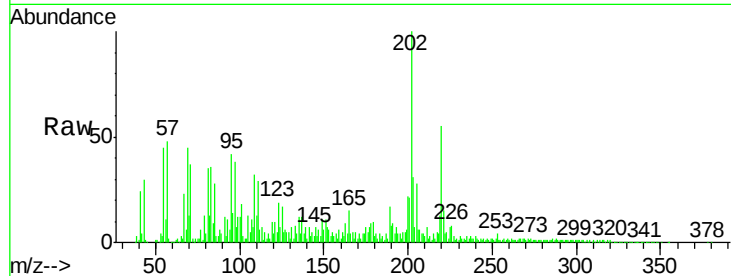
Instrument :

BNA_G

ClientSampleId :

JHGG9MS

Tgt Ion:	202	Resp:	496696
Ion	Ratio	Lower	Upper
202	100		
101	17.6	12.5	18.7
100	11.9	10.2	15.4

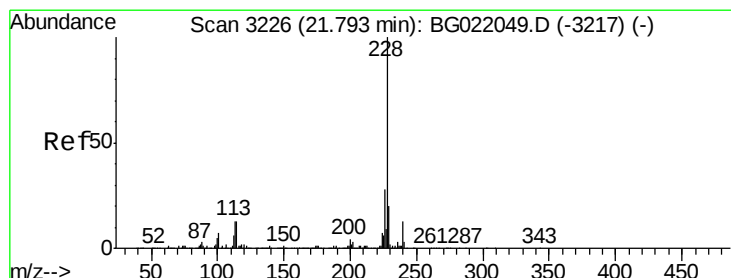
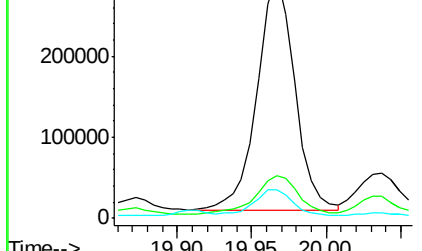
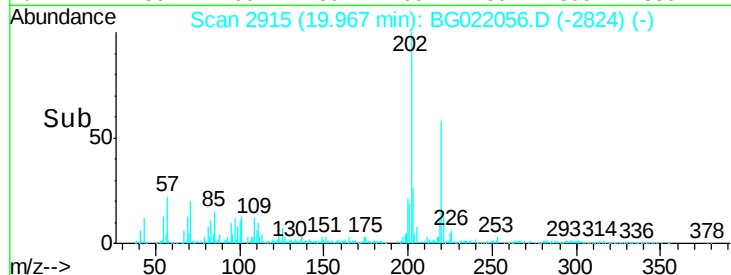


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 5.49 ng/ul

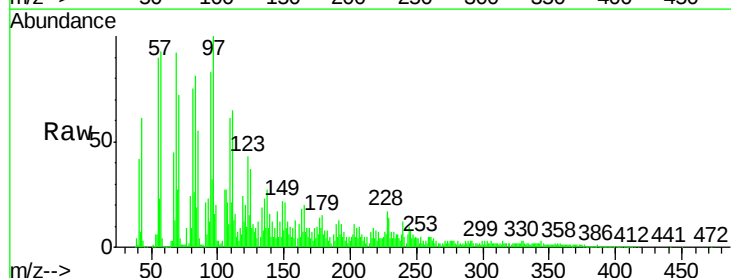
RT: 21.84 min Scan# 3234

Delta R.T. 0.05 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

Tgt Ion:	228	Resp:	69947
Ion	Ratio	Lower	Upper
228	100		
229	81.9	15.4	23.2#
226	41.8	22.8	34.2#

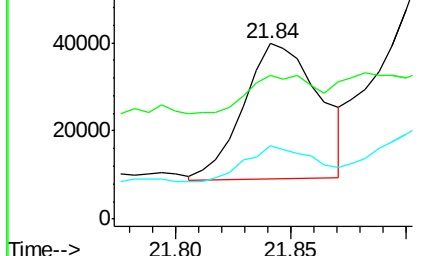
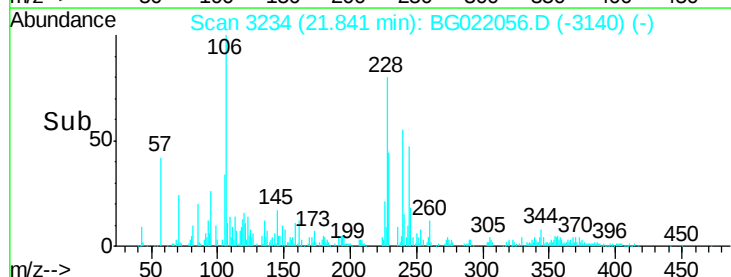


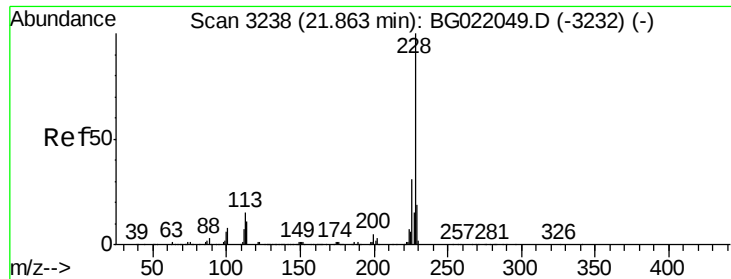
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#82

Chrysene

Concen: 11.11 ng/ul

RT: 21.91 min Scan# 3246

Delta R.T. 0.05 min

Lab File: BG022056.D

Acq: 23 May 2016 21:19

Instrument :

BNA_G

ClientSampleId :

JHGG9MS

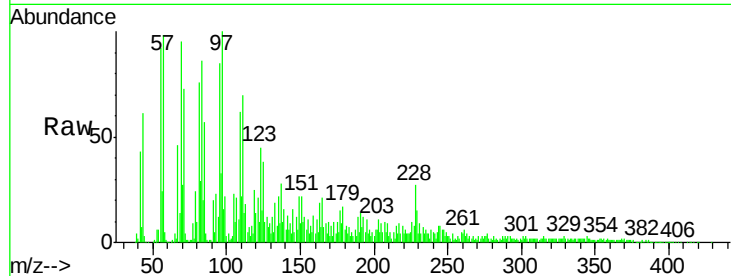
Tgt Ion: 228 Resp: 135808

Ion Ratio Lower Upper

228 100

226 37.5 24.2 36.4#

229 56.4 15.0 22.6#



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

