

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072315\  
 Data File : BG018076.D  
 Acq On : 23 Jul 2015 22:03  
 Operator : TP/UM  
 Sample : G3035-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :

Quant Time: Jul 24 01:34:15 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG072315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 24 01:33:04 2015  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	45228	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	226099	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	153083	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.93	188	341743	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	349840	20.00	ng/ul	0.00
86) Perylene-d12	23.32	264	347731	20.00	ng/ul	0.00

## System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	962	1.33	ng/uL	0.00
5) Phenol-d5	6.70	99	28503	8.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	16457	9.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	27833	9.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.22	113	13293	4.30	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	16287	9.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	17563	9.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	27809	8.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	20083	5.26	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	105852	9.85	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	133831	10.13	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	16923	7.48	ng/ul	0.00
58) Fluorene-d10	15.17	176	101293	10.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.30	200	13470	6.16	ng/ul	0.00
71) Anthracene-d10	17.03	188	144992	9.80	ng/ul	0.00
79) Pyrene-d10	19.34	212	153038	9.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.18	264	139682	8.42	ng/ul	0.00

## Target Compounds

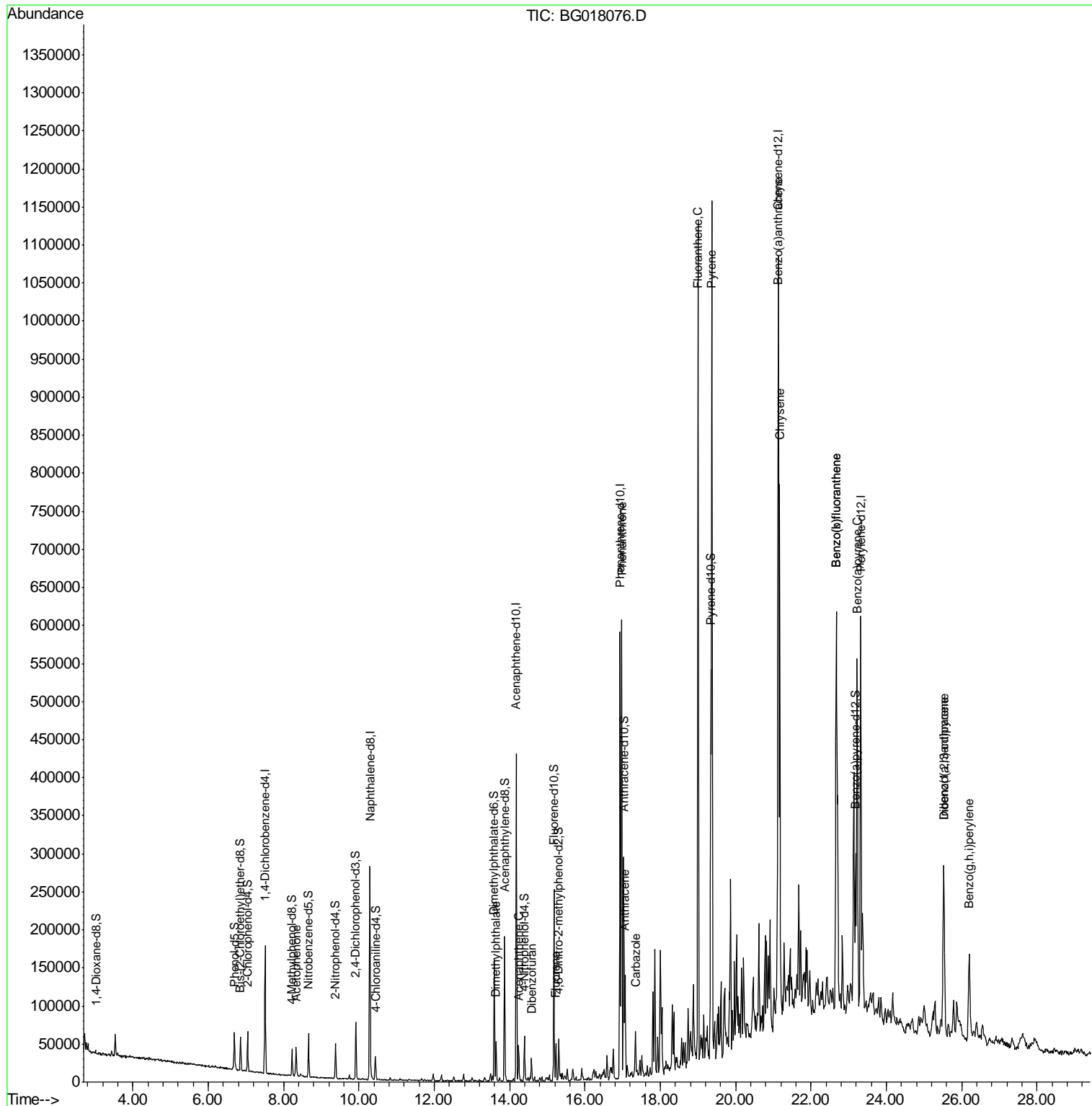
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Acetophenone	8.34	105	21758	4.99	ng/ul	99
45) Dimethylphthalate	13.64	163	32557	3.01	ng/ul	98
50) Acenaphthene	14.25	153	19529	2.15	ng/ul	97
54) Dibenzofuran	14.58	168	15980	1.24	ng/ul	94
59) Fluorene	15.23	166	20039	1.80	ng/ul#	93
70) Phenanthrene	16.98	178	365741	21.30	ng/ul	99
72) Anthracene	17.07	178	85885	4.93	ng/ul	98
75) Carbazole	17.34	167	34471	2.28	ng/ul	98
77) Fluoranthene	19.01	202	609779	33.34	ng/ul	99
80) Pyrene	19.37	202	631679	31.53	ng/ul	99
83) Benzo(a)anthracene	21.12	228	346439	18.72	ng/ul	100
85) Chrysene	21.17	228	348825	20.02	ng/ul	98
88) Benzo(b)fluoranthene	22.67	252	443365	23.27	ng/ul	99
89) Benzo(k)fluoranthene	22.67	252	443365	24.05	ng/ul	98
91) Benzo(a)pyrene	23.23	252	308366	16.71	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.53	276	189114	8.88	ng/ul	94
93) Dibenzo(a,h)anthracene	25.53	278	53857	2.96	ng/ul#	79
94) Benzo(g,h,i)perylene	26.20	276	132860	7.55	ng/ul	94

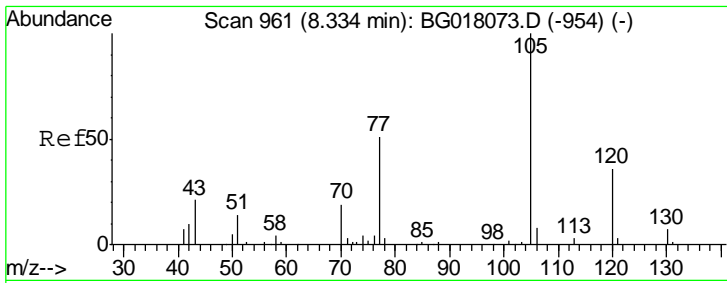
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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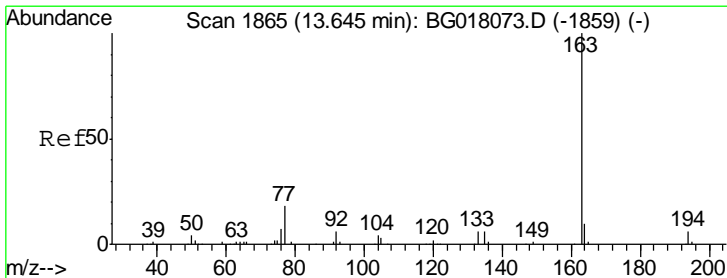
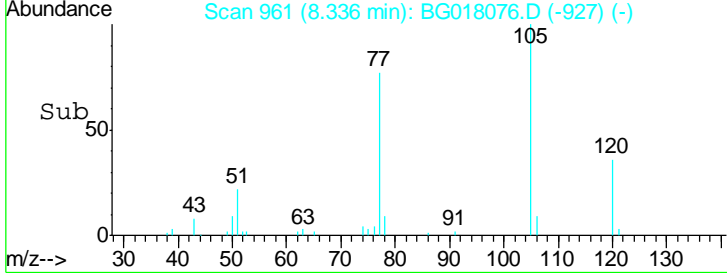
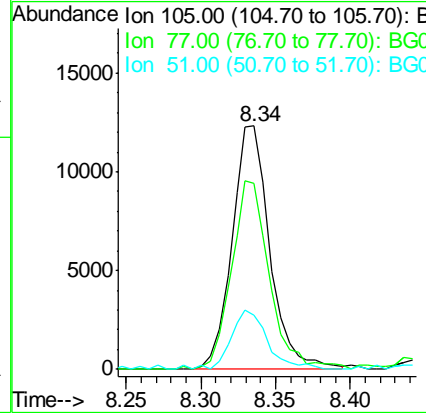
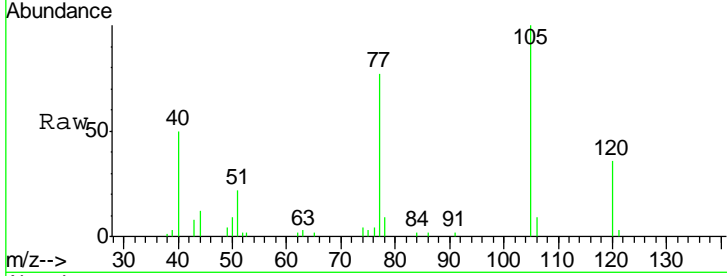




#14  
 Acetophenone  
 Concen: 4.99 ng/ul  
 RT: 8.34 min Scan# 961  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

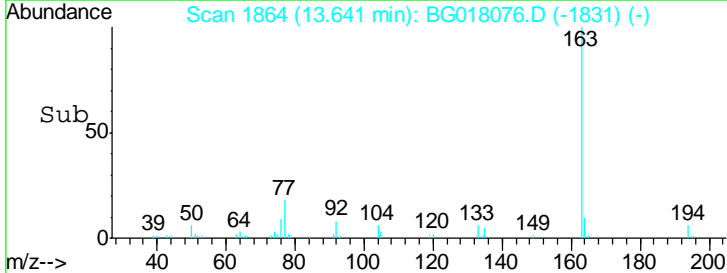
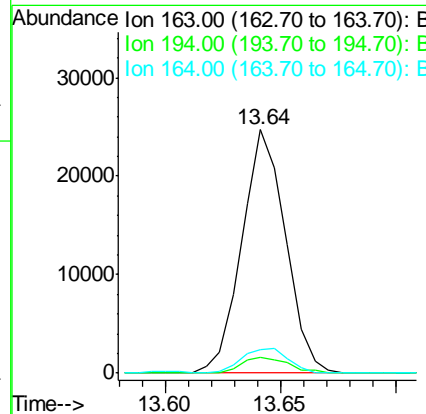
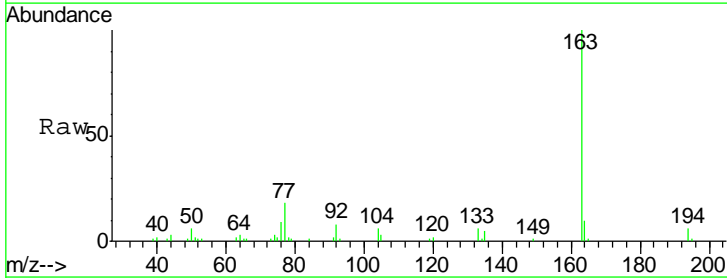
Instrument :  
 BNA\_G  
 ClientSampled :

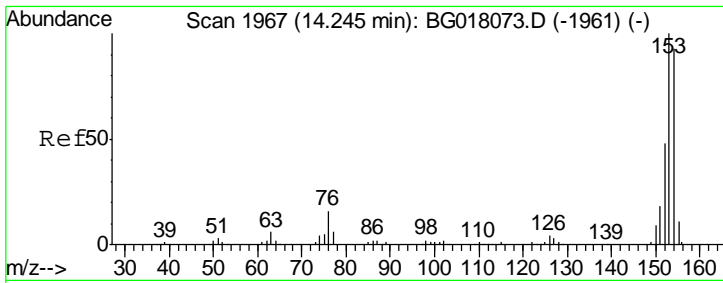
Tgt Ion	Resp	Lower	Upper
105	21758		
77	76.6	61.7	92.5
51	22.2	18.1	27.1



#45  
 Dimethylphthalate  
 Concen: 3.01 ng/ul  
 RT: 13.64 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
163	32557		
194	6.3	5.4	8.2
164	9.8	8.7	13.1

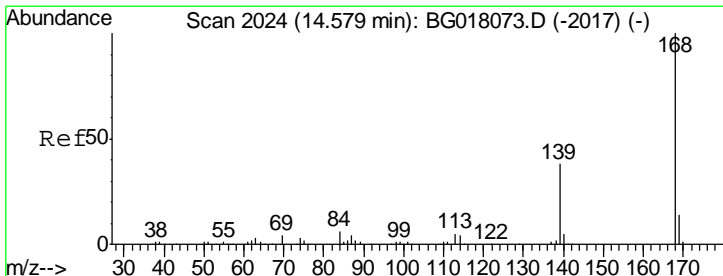
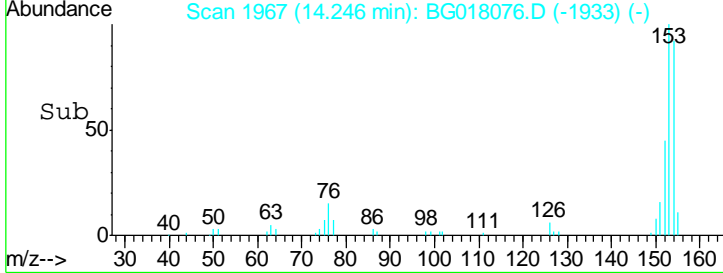
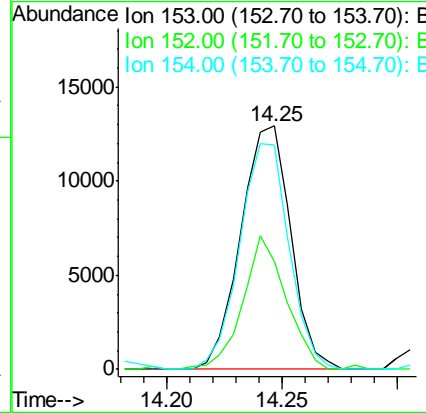
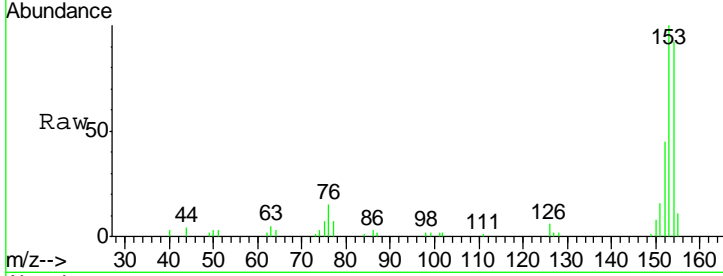




#50  
 Acenaphthene  
 Concen: 2.15 ng/ul  
 RT: 14.25 min Scan# 1967  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

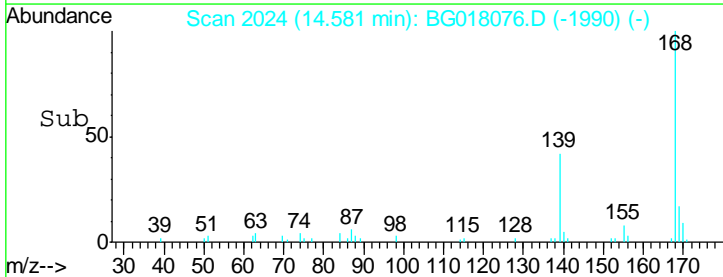
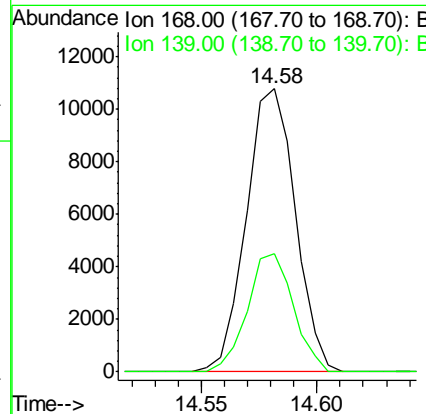
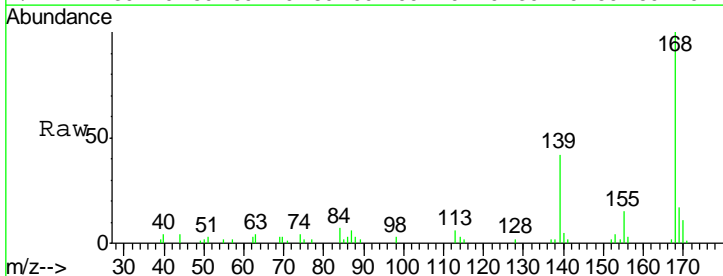
Instrument :  
 BNA\_G  
 ClientSampled :

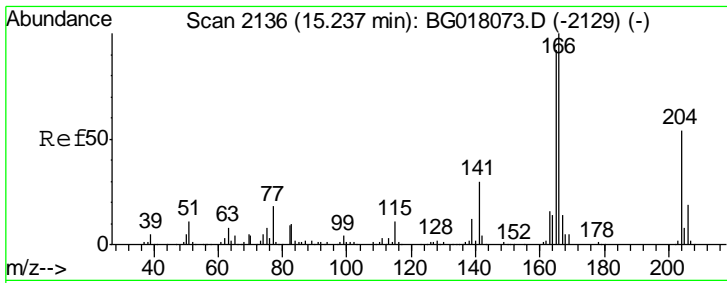
Tgt Ion	Resp	Lower	Upper
153	19529		
152	44.6	38.9	58.3
154	92.2	72.6	108.8



#54  
 Dibenzofuran  
 Concen: 1.24 ng/ul  
 RT: 14.58 min Scan# 2024  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
168	15980		
139	41.7	30.6	46.0

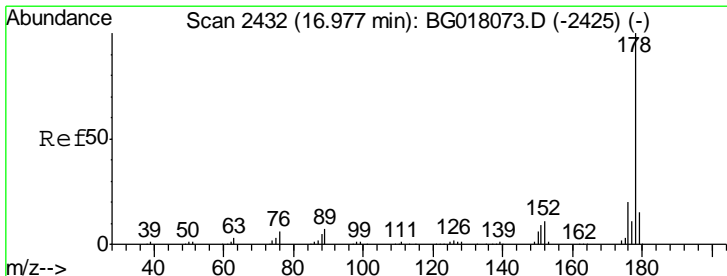
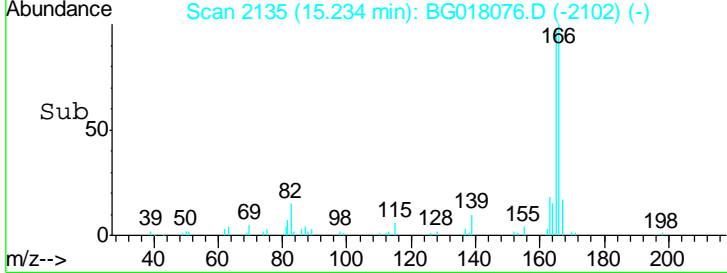
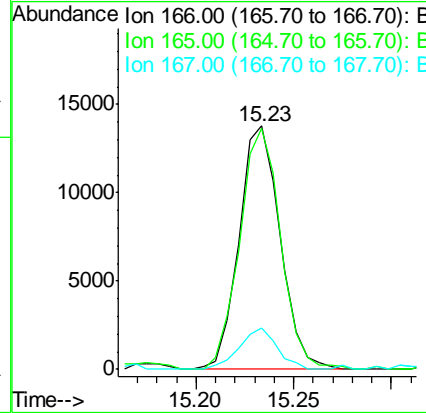
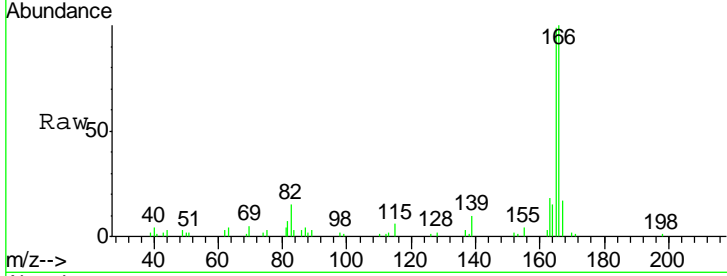




#59  
 Fluorene  
 Concen: 1.80 ng/ul  
 RT: 15.23 min Scan# 2135  
 Delta R.T. -0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

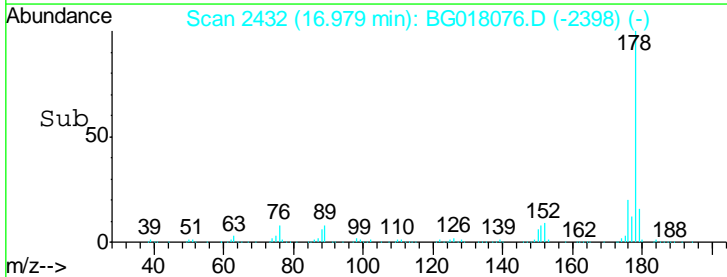
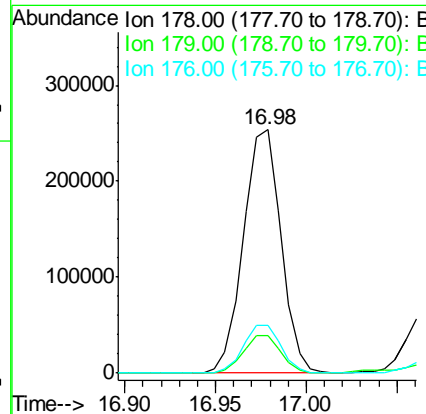
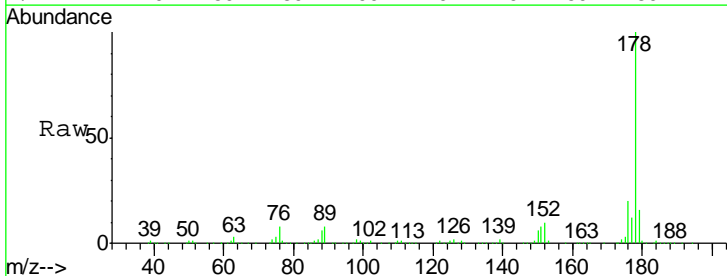
Instrument :  
 BNA\_G  
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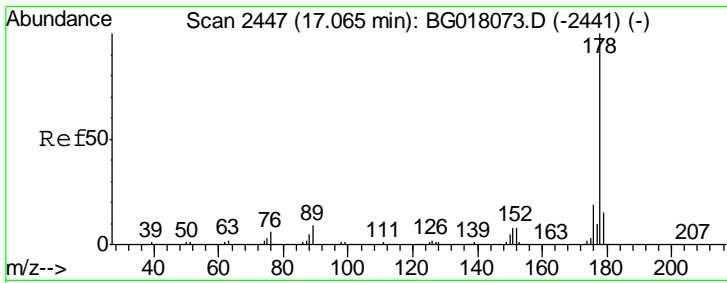
Tgt Ion	Resp	Lower	Upper
166	20039		
165	98.8	73.6	110.4
167	16.7	10.8	16.2#



#70  
 Phenanthrene  
 Concen: 21.30 ng/ul  
 RT: 16.98 min Scan# 2432  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
178	365741		
179	15.6	13.0	19.6
176	19.5	15.8	23.8

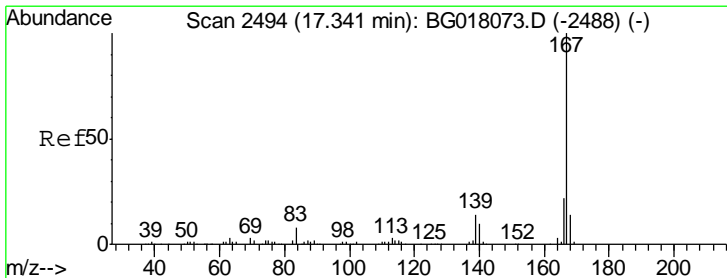
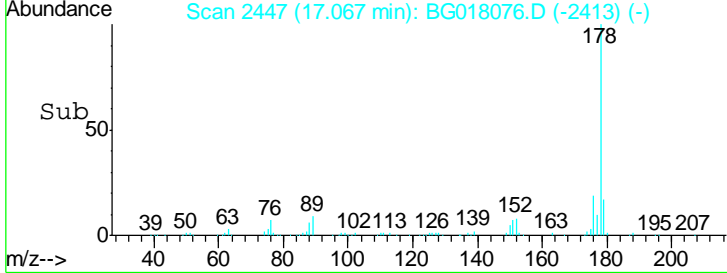
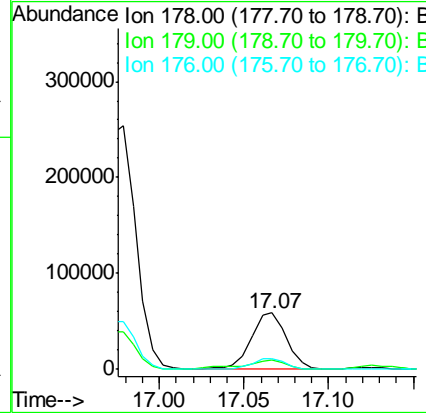
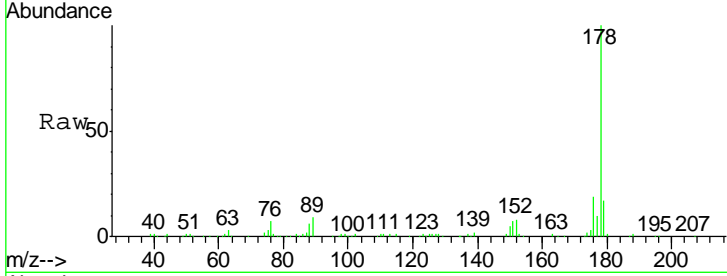




#72  
 Anthracene  
 Concen: 4.93 ng/ul  
 RT: 17.07 min Scan# 2447  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

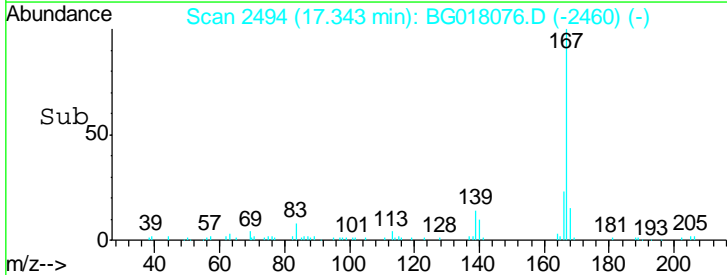
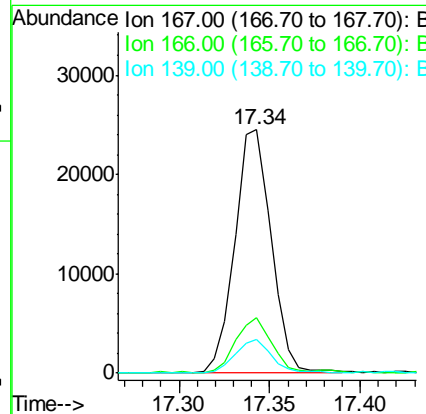
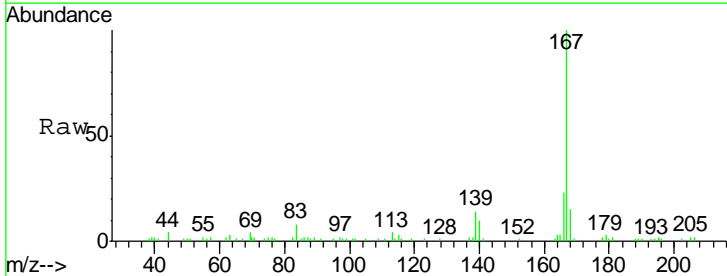
Instrument :  
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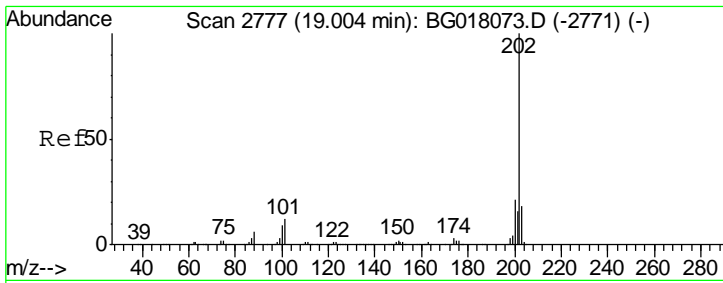
Tgt Ion	Resp	Lower	Upper
178	100		
179	16.8	12.4	18.6
176	19.2	15.8	23.8



#75  
 Carbazole  
 Concen: 2.28 ng/ul  
 RT: 17.34 min Scan# 2494  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
167	100		
166	22.7	17.4	26.2
139	13.9	10.6	15.8

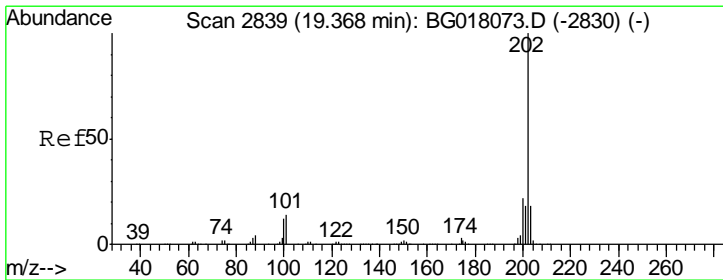
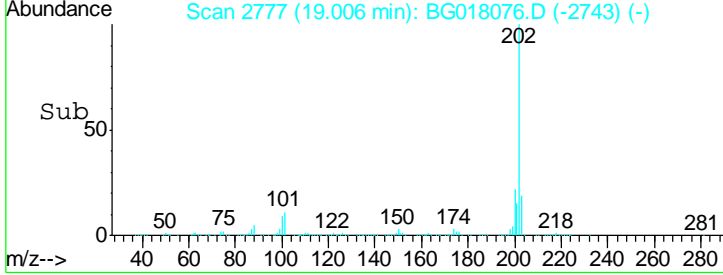
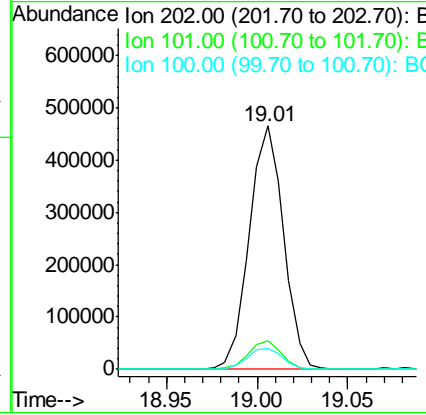
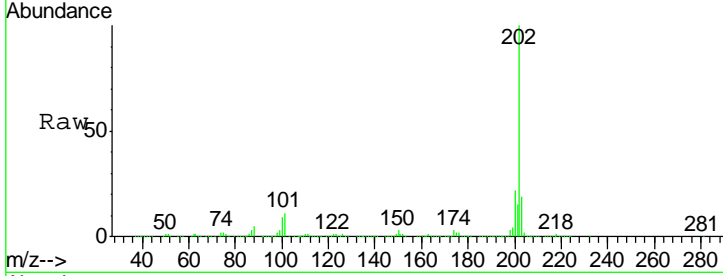




#77  
 Fluoranthene  
 Concen: 33.34 ng/ul  
 RT: 19.01 min Scan# 2777  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

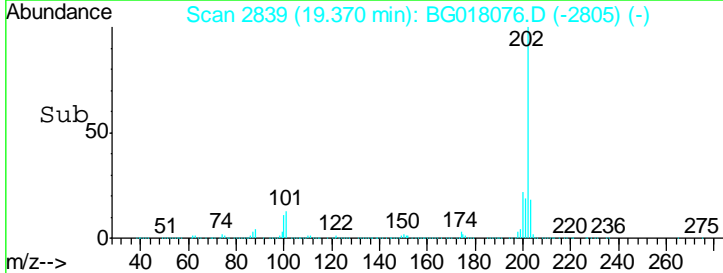
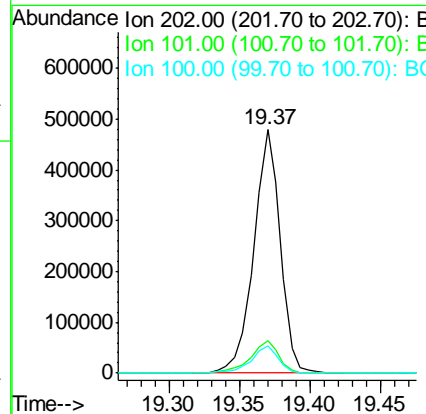
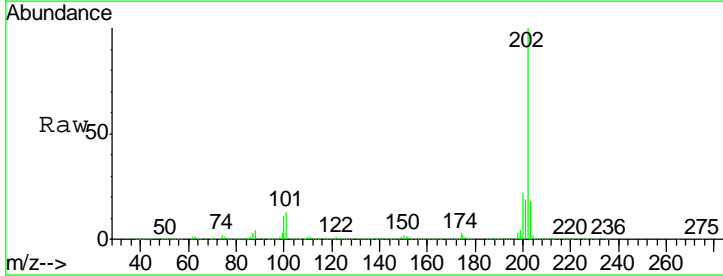
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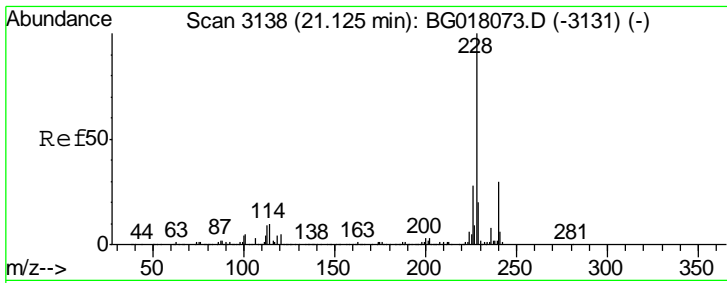
Tgt Ion	Resp	Lower	Upper
202	100		
101	11.5	9.1	13.7
100	8.7	7.5	11.3



#80  
 Pyrene  
 Concen: 31.53 ng/ul  
 RT: 19.37 min Scan# 2839  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
202	100		
101	13.2	10.9	16.3
100	11.1	8.5	12.7

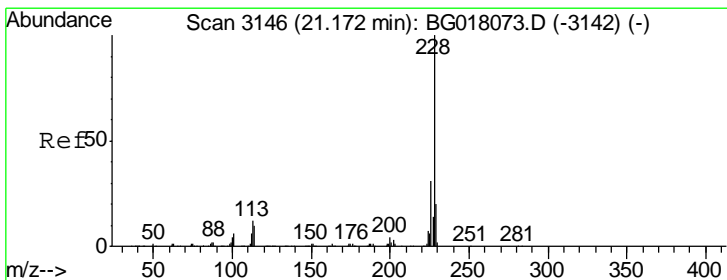
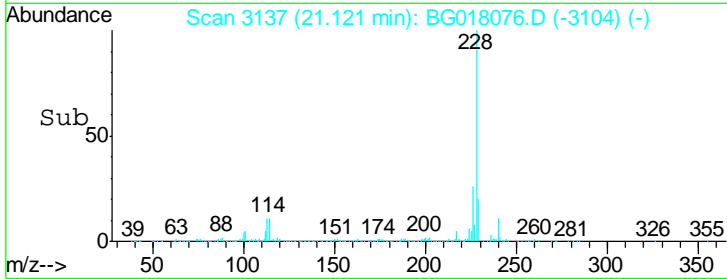
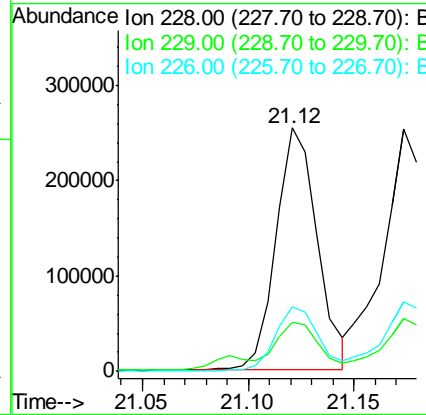
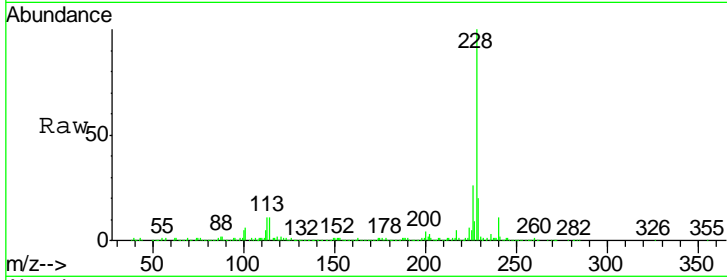




#83  
 Benzo(a)anthracene  
 Concen: 18.72 ng/ul  
 RT: 21.12 min Scan# 3137  
 Delta R.T. -0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

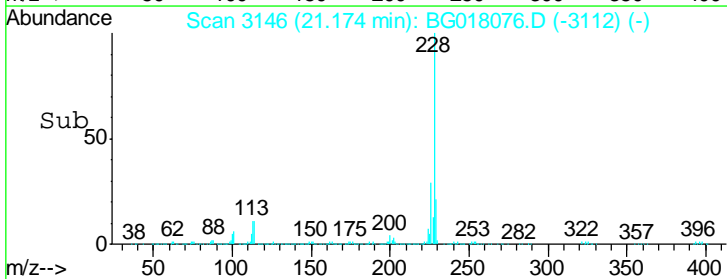
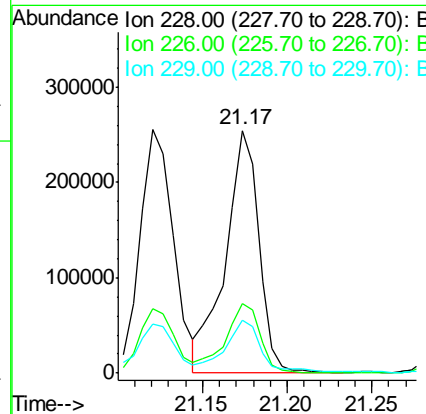
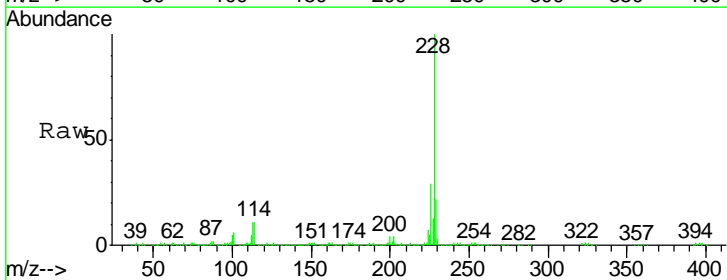
Instrument :  
 BNA\_G  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
228	346439		
229	20.4	16.6	24.8
226	26.4	21.1	31.7

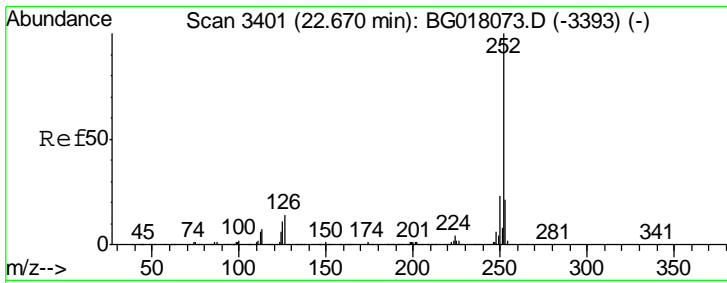


#85  
 Chrysene  
 Concen: 20.02 ng/ul  
 RT: 21.17 min Scan# 3146  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
228	348825		
226	28.6	22.9	34.3
229	21.9	15.6	23.4



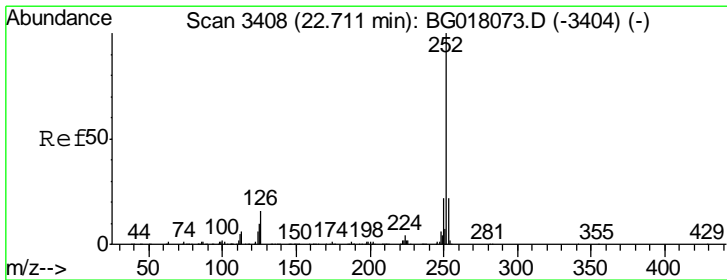
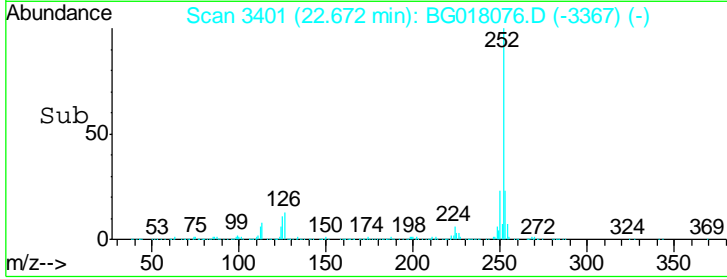
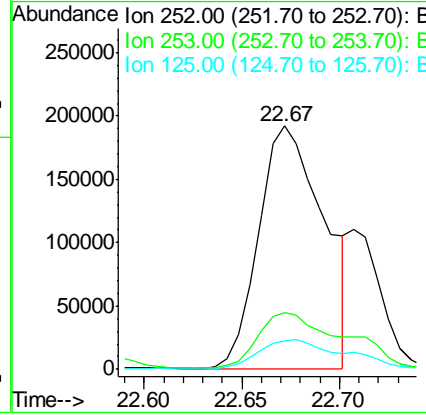
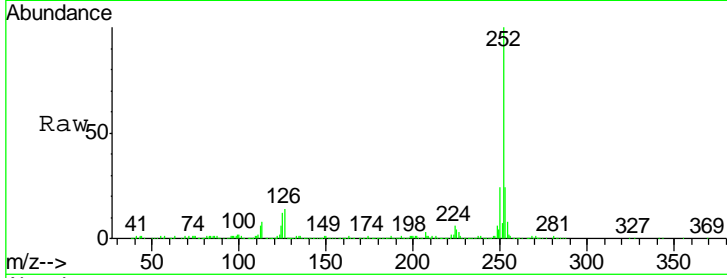




#88  
 Benzo(b)fluoranthene  
 Concen: 23.27 ng/ul  
 RT: 22.67 min Scan# 3401  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

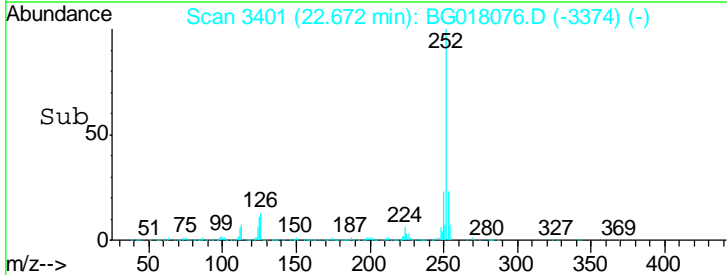
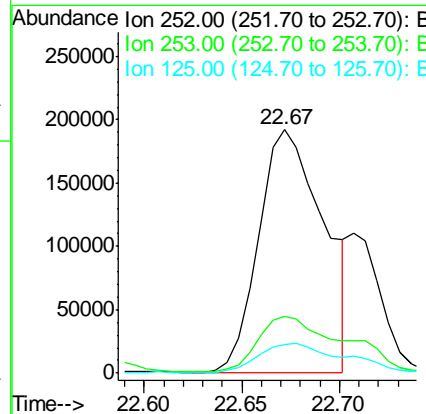
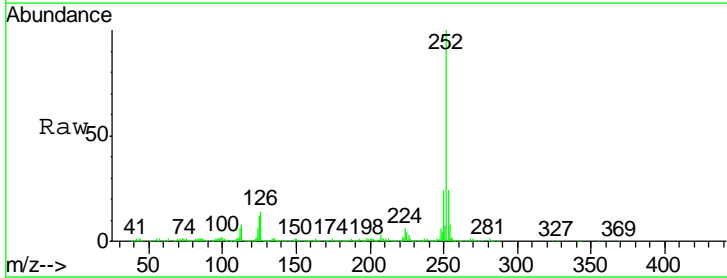
Instrument :  
 BNA\_G  
 ClientSampled :

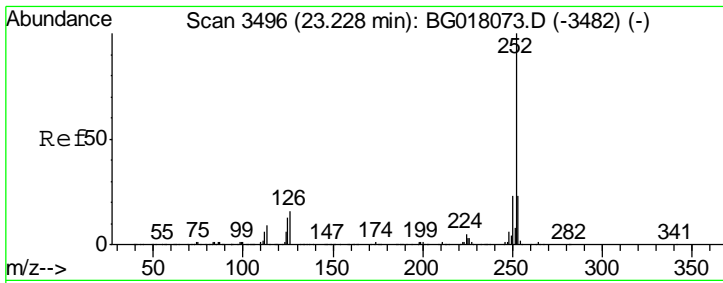
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	11.8	9.1	13.7



#89  
 Benzo(k)fluoranthene  
 Concen: 24.05 ng/ul  
 RT: 22.67 min Scan# 3401  
 Delta R.T. -0.04 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.8	9.3	13.9

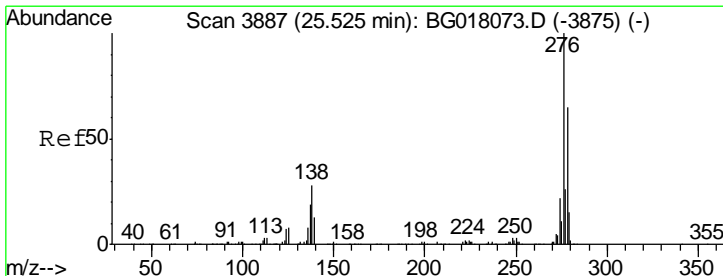
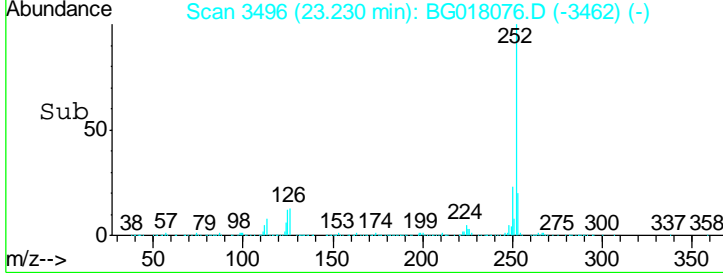
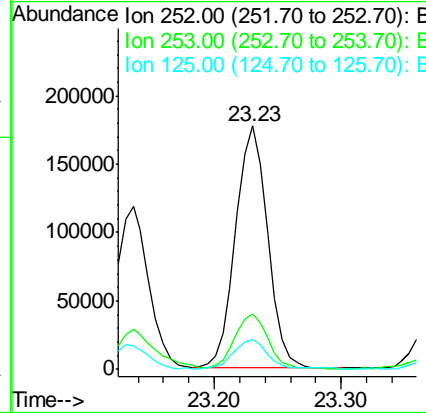
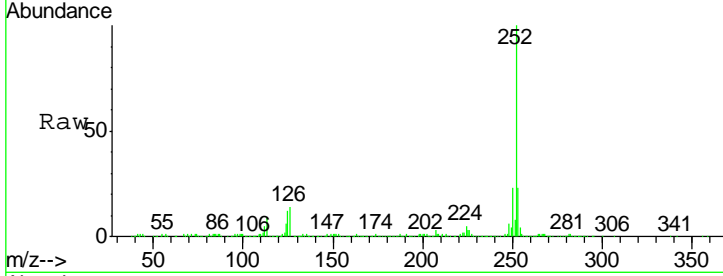




#91  
 Benzo(a)pyrene  
 Concen: 16.71 ng/ul  
 RT: 23.23 min Scan# 3496  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

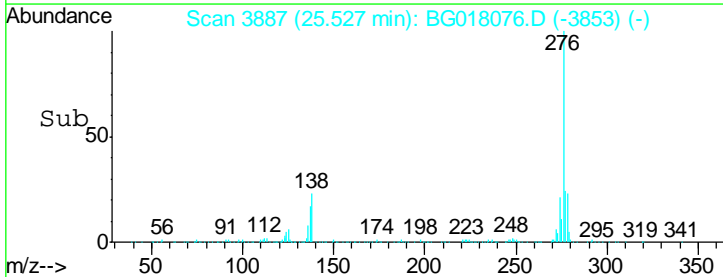
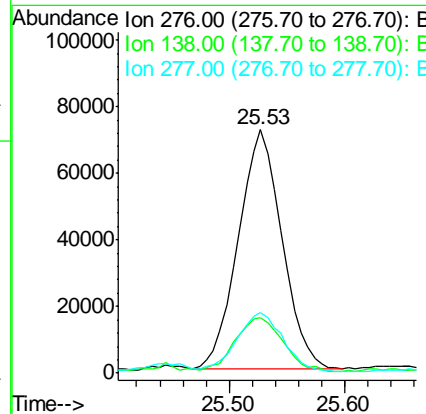
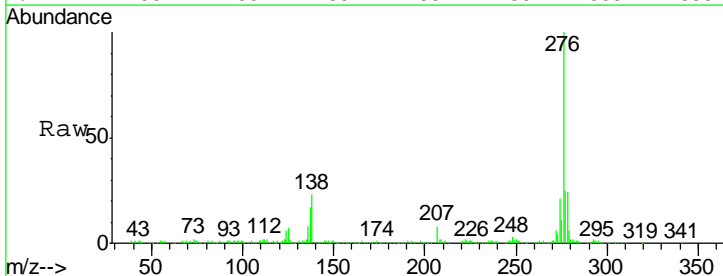
Instrument :  
 BNA\_G  
 ClientSampled :

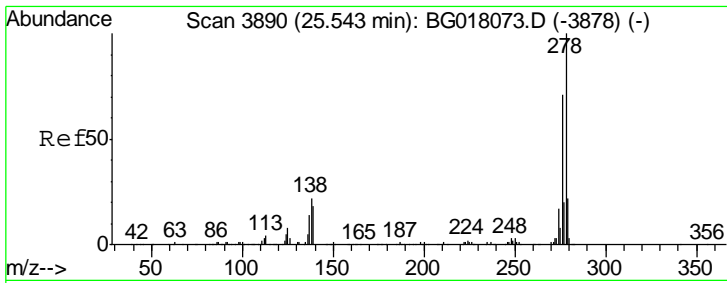
Tgt Ion	Resp	Lower	Upper
252	308366		
253	22.7	18.0	27.0
125	12.3	10.2	15.2



#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.88 ng/ul  
 RT: 25.53 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
276	189114		
138	22.9	22.6	33.8
277	24.6	19.8	29.8

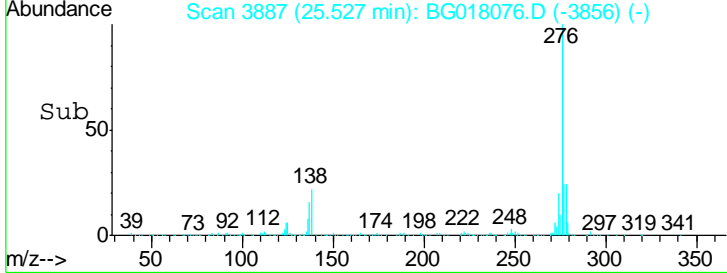
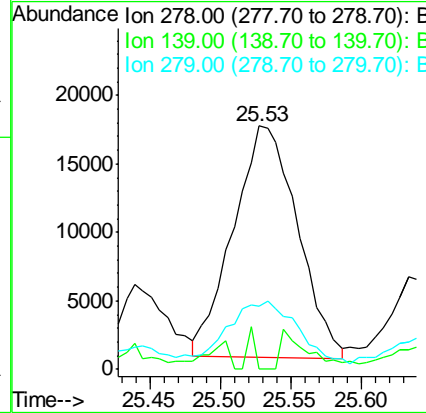
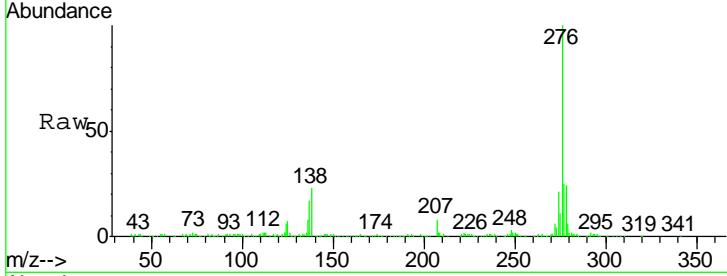




#93  
 Dibenzo(a,h)anthracene  
 Concen: 2.96 ng/ul  
 RT: 25.53 min Scan# 3887  
 Delta R.T. -0.02 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Instrument :  
 BNA\_G  
 ClientSampleId :

Tgt Ion	Resp	Lower	Upper
278	53857		
139	0.0	13.7	20.5#
279	25.9	18.1	27.1



#94  
 Benzo(g,h,i)perylene  
 Concen: 7.55 ng/ul  
 RT: 26.20 min Scan# 4001  
 Delta R.T. -0.00 min  
 Lab File: BG018076.D  
 Acq: 23 Jul 2015 22:03

Tgt Ion	Resp	Lower	Upper
276	132860		
138	26.9	18.8	28.2
277	22.1	19.3	28.9

