

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070516\  
 Data File : BG022859.D  
 Acq On : 5 Jul 2016 20:46  
 Operator : UM/SJ  
 Sample : H3811-14  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4TW2

Quant Time: Jul 06 03:24:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG063016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 06 03:22:12 2016  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	159902	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	757663	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	553820	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1200518	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	1285330	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	1326338	20.00	ng/ul	0.01

## System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	3265	1.14	ng/uL	0.00
5) Phenol-d5	7.31	99	316082	18.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	183376	19.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	208881	18.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	245847	18.82	ng/ul	0.00
19) Nitrobenzene-d5	9.47	128	277	0.05	ng/ul	0.14
22) 2-Nitrophenol-d4	10.05	143	131984	18.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	266839	17.51	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	146792	11.38	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	866086	19.25	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	994451	19.29	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	118853	16.82	ng/ul	0.00
57) Fluorene-d10	15.79	176	800805	18.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	140214	18.16	ng/ul	0.00
70) Anthracene-d10	17.65	188	1065652	19.10	ng/ul	0.00
76) Pyrene-d10	19.93	212	1271496	20.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.99	264	1212827	19.25	ng/ul	0.00

## Target Compounds

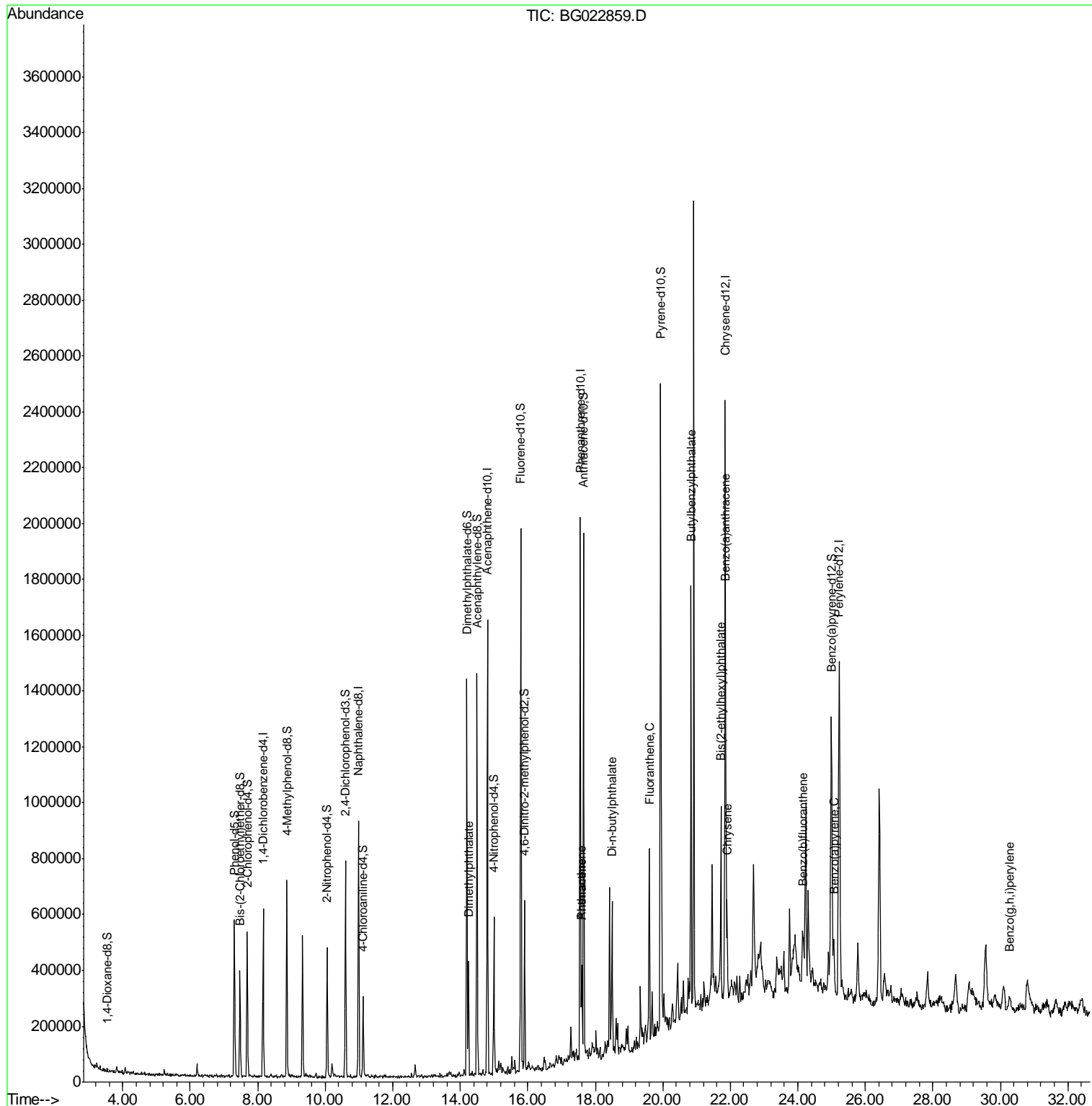
					Qvalue
44) Dimethylphthalate	14.24	163	249700	5.44 ng/ul#	95
69) Phenanthrene	17.60	178	205868	3.35 ng/ul	98
71) Anthracene	17.60	178	205868	3.26 ng/ul	98
73) Di-n-butylphthalate	18.50	149	374213	6.24 ng/ul#	97
74) Fluoranthene	19.60	202	436545	6.82 ng/ul#	88
78) Butylbenzylphthalate	20.84	149	431658	15.47 ng/ul#	85
80) Benzo(a)anthracene	21.83	228	209144	2.77 ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.72	149	281904	7.83 ng/ul#	96
82) Chrysene	21.90	228	270990	3.95 ng/ul	97
85) Benzo(b)fluoranthene	24.15	252	310168	3.74 ng/ul#	90
88) Benzo(a)pyrene	25.06	252	216540	2.75 ng/ul#	89
91) Benzo(g,h,i)perylene	30.27	276	70976	1.09 ng/ul#	74

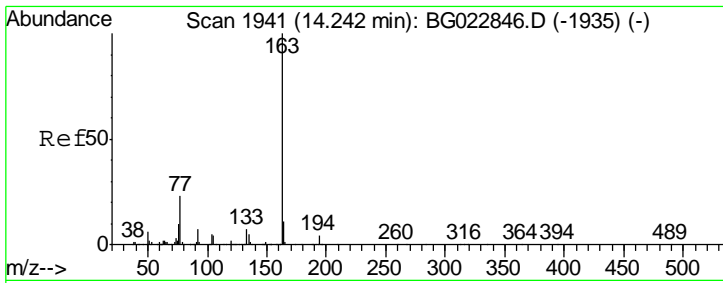
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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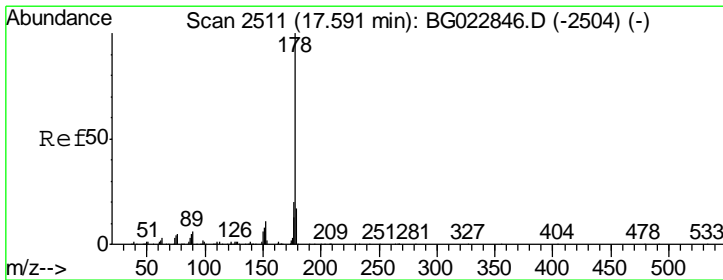
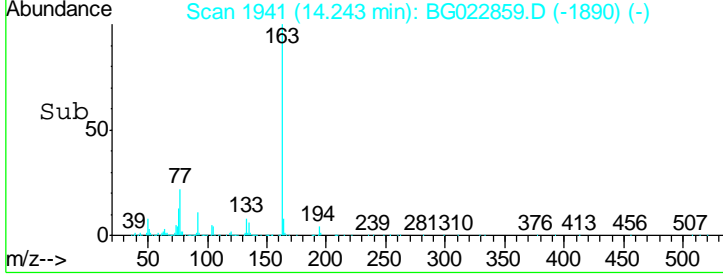
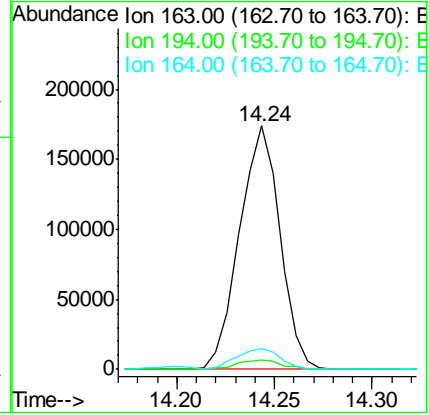
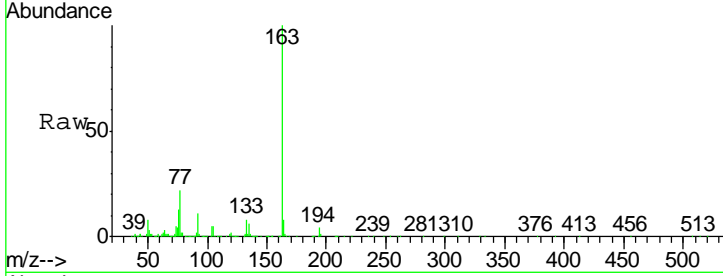




#44  
 Dimethylphthalate  
 Concen: 5.44 ng/ul  
 RT: 14.24 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: BG022859.D  
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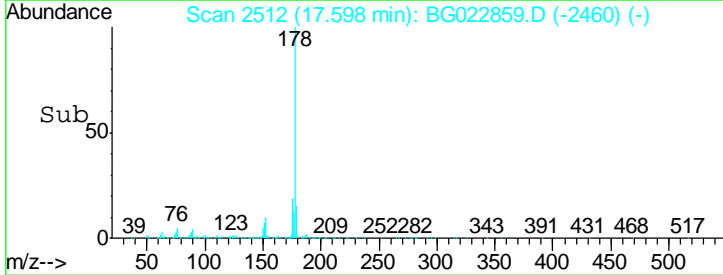
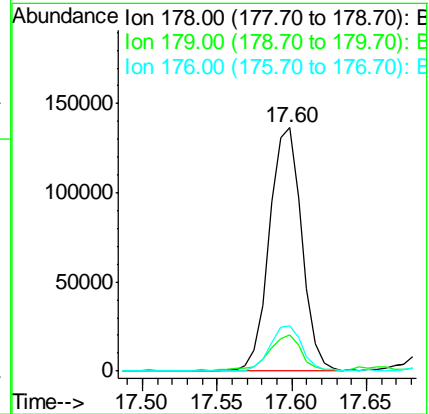
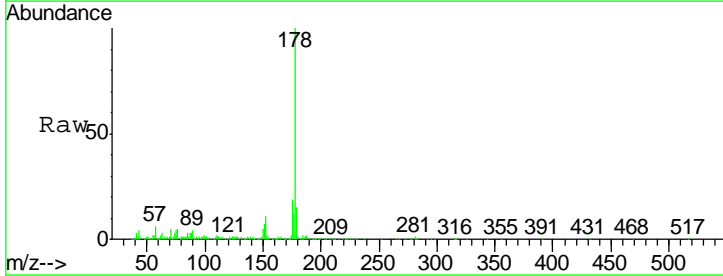
Instrument :  
 BNA\_G  
 ClientSampled :  
 A4TW2

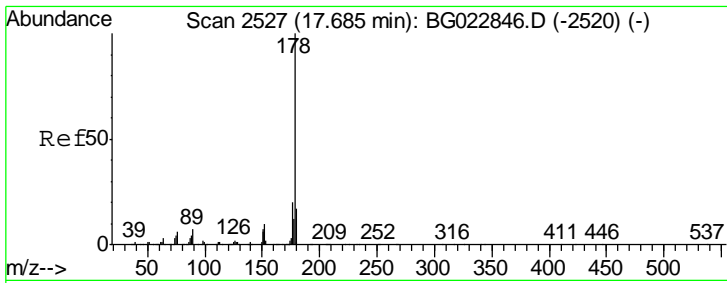
Tgt Ion	Resp	Lower	Upper
163	249700		
194	3.6	3.4	5.2
164	8.4	8.8	13.2#



#69  
 Phenanthrene  
 Concen: 3.35 ng/ul  
 RT: 17.60 min Scan# 2512  
 Delta R.T. 0.01 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

Tgt Ion	Resp	Lower	Upper
178	205868		
179	15.1	12.9	19.3
176	18.8	15.8	23.8

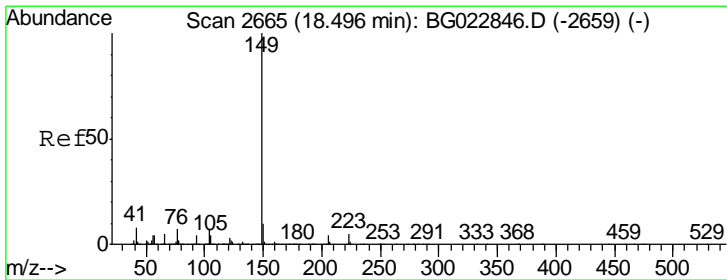
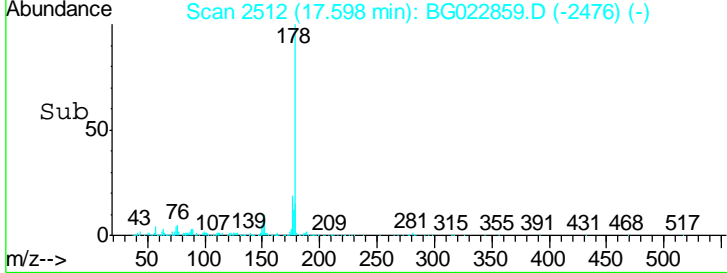
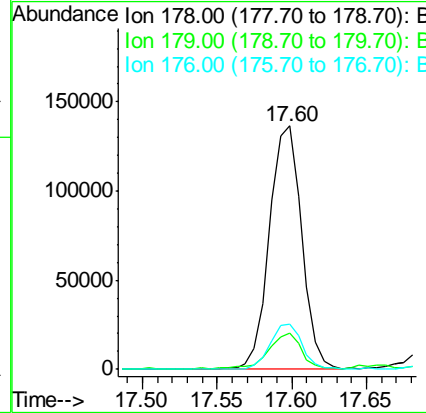
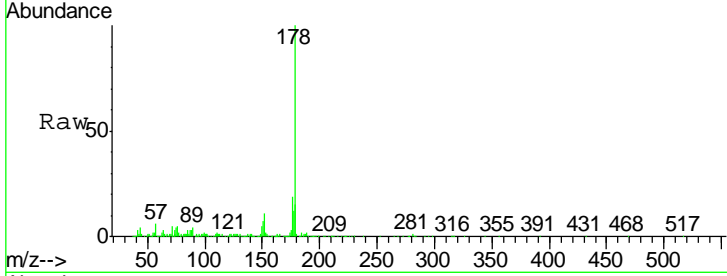




#71  
 Anthracene  
 Concen: 3.26 ng/ul  
 RT: 17.60 min Scan# 2512  
 Delta R.T. -0.09 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

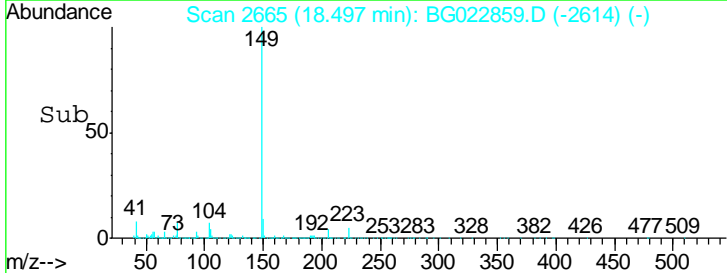
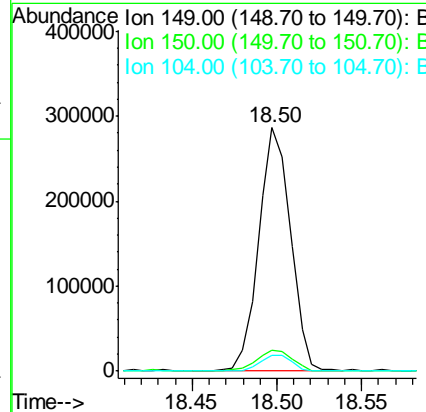
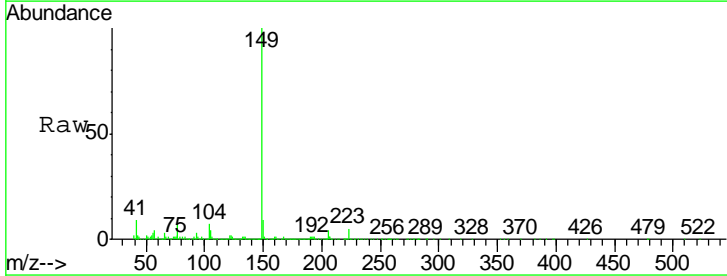
Instrument :  
 BNA\_G  
 ClientSampled :  
 A4TW2

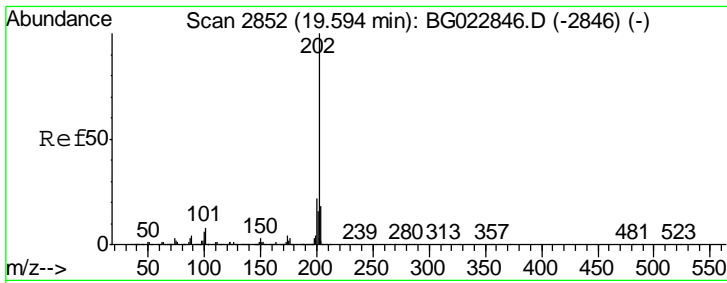
Tgt Ion	Resp	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.8	16.3	24.5



#73  
 Di-n-butylphthalate  
 Concen: 6.24 ng/ul  
 RT: 18.50 min Scan# 2665  
 Delta R.T. 0.00 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

Tgt Ion	Resp	Lower	Upper
149	100		
150	8.6	7.1	10.7
104	6.6	3.3	4.9#

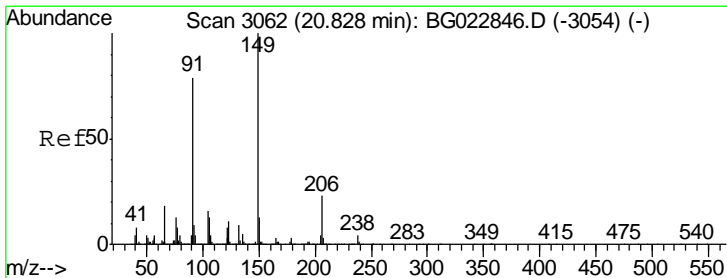
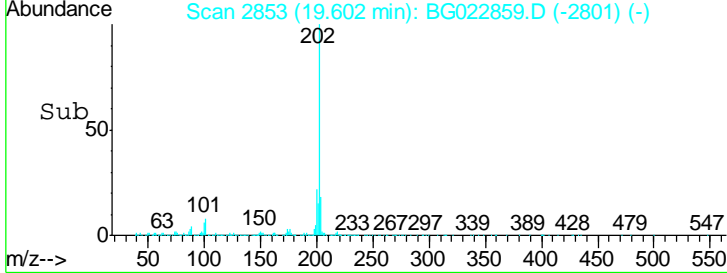
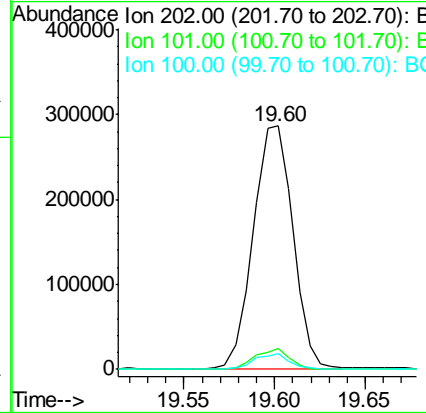
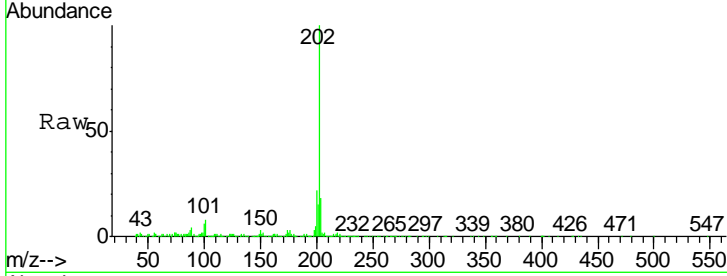




#74  
 Fluoranthene  
 Concen: 6.82 ng/ul  
 RT: 19.60 min Scan# 2853  
 Delta R.T. 0.01 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

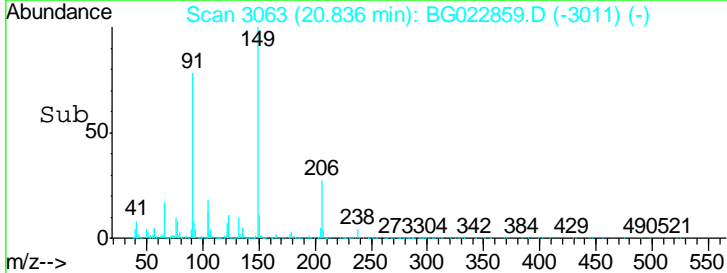
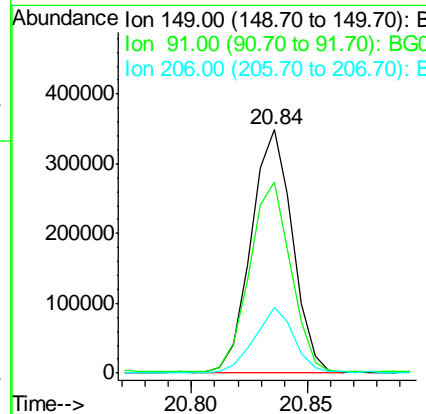
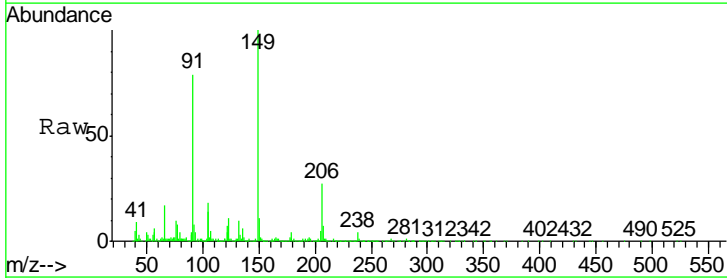
Instrument :  
 BNA\_G  
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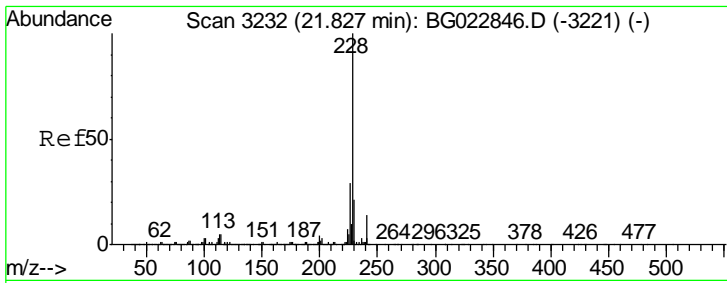
Tgt Ion	Resp	Lower	Upper
202	100		
101	8.3	10.6	16.0#
100	6.5	8.7	13.1#



#78  
 Butylbenzylphthalate  
 Concen: 15.47 ng/ul  
 RT: 20.84 min Scan# 3063  
 Delta R.T. 0.01 min  
 Lab File: BG022859.D  
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Tgt Ion	Resp	Lower	Upper
149	100		
91	78.6	54.2	81.4
206	27.2	14.1	21.1#

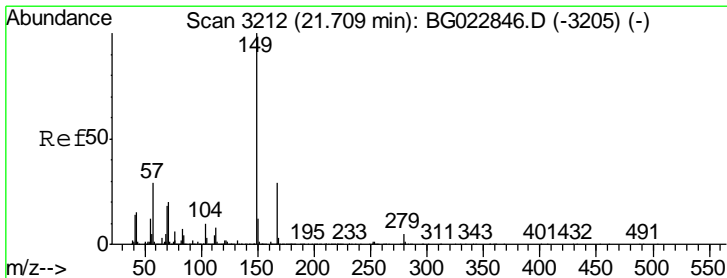
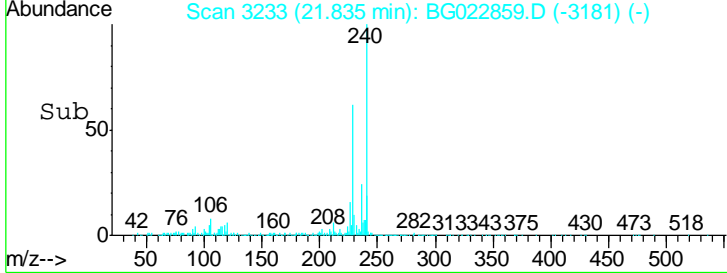
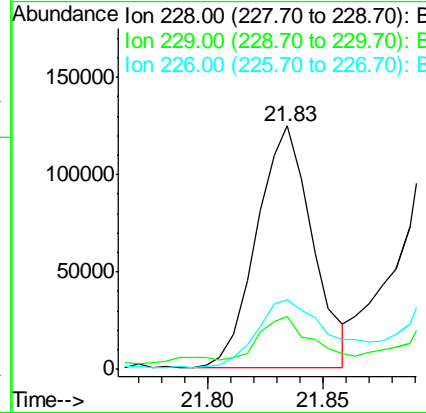
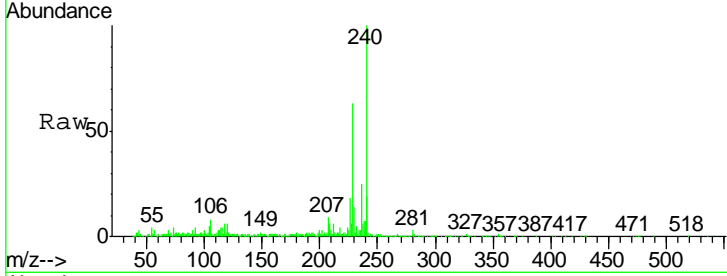




#80  
 Benzo(a)anthracene  
 Concen: 2.77 ng/ul  
 RT: 21.83 min Scan# 3233  
 Delta R.T. 0.01 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

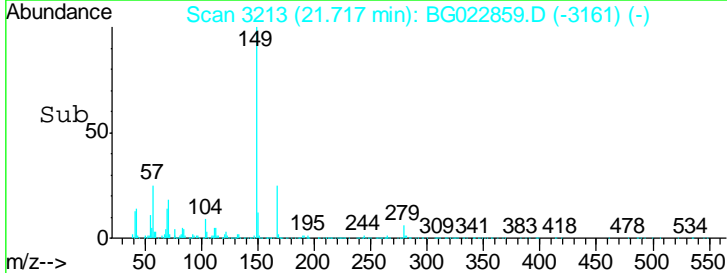
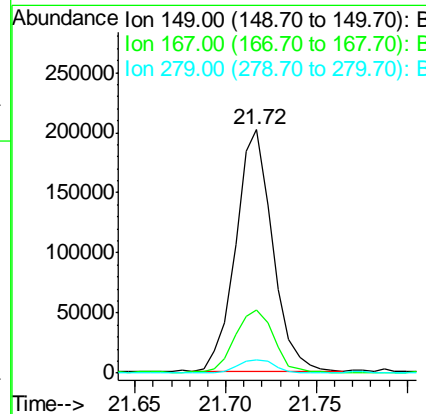
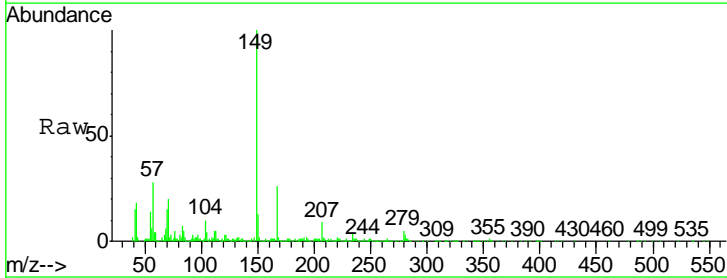
Instrument :  
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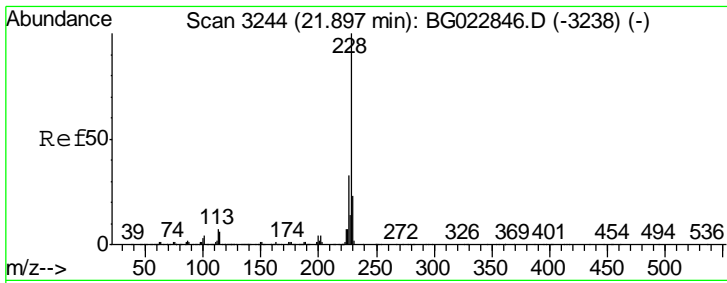
Tgt Ion	Resp	Lower	Upper
228	100		
229	21.9	15.4	23.2
226	28.7	22.8	34.2



#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 7.83 ng/ul  
 RT: 21.72 min Scan# 3213  
 Delta R.T. 0.01 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

Tgt Ion	Resp	Lower	Upper
149	100		
167	25.7	21.9	32.9
279	5.5	2.9	4.3#

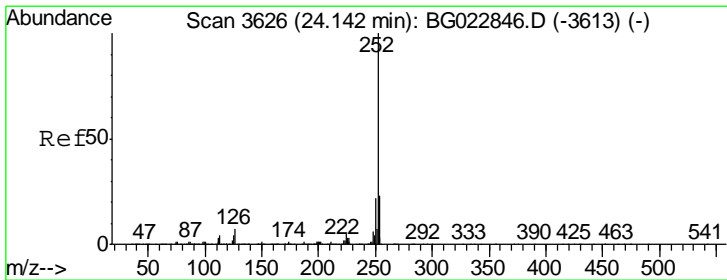
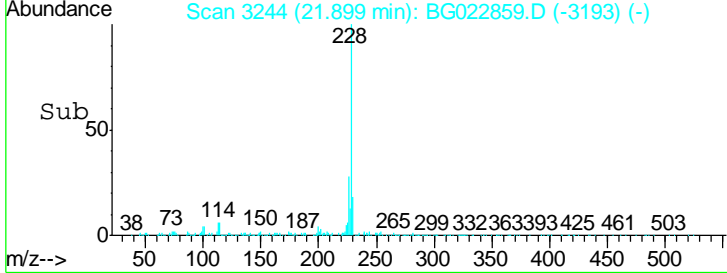
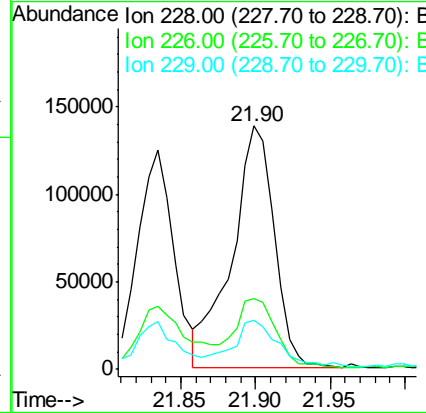
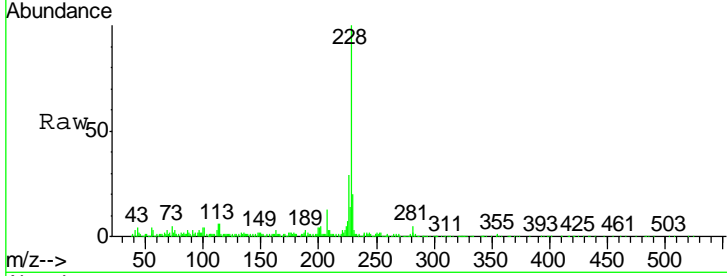




#82  
 Chrysene  
 Concen: 3.95 ng/ul  
 RT: 21.90 min Scan# 3244  
 Delta R.T. 0.00 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

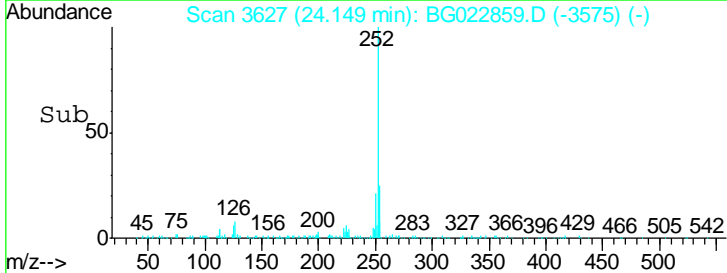
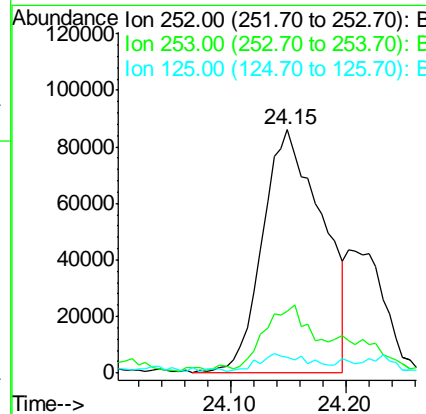
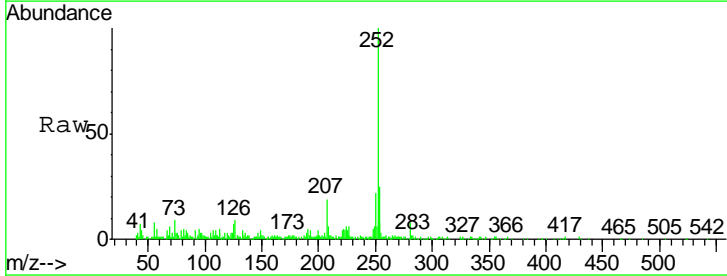
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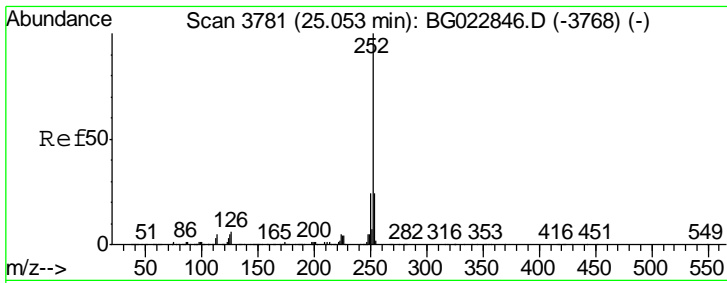
Tgt Ion	Resp	Lower	Upper
228	270990		
226	29.0	24.2	36.4
229	20.3	15.0	22.6



#85  
 Benzo(b)fluoranthene  
 Concen: 3.74 ng/ul  
 RT: 24.15 min Scan# 3627  
 Delta R.T. 0.01 min  
 Lab File: BG022859.D  
 Acq: 5 Jul 2016 20:46

Tgt Ion	Resp	Lower	Upper
252	310168		
253	25.2	18.2	27.2
125	6.7	10.8	16.2#

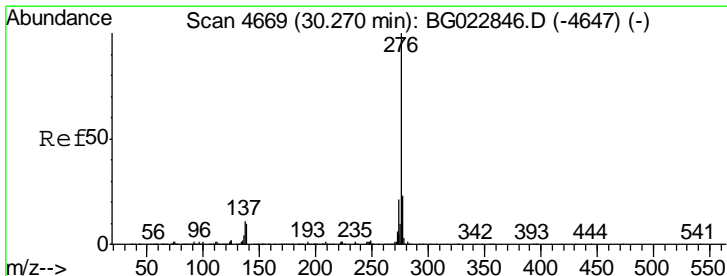
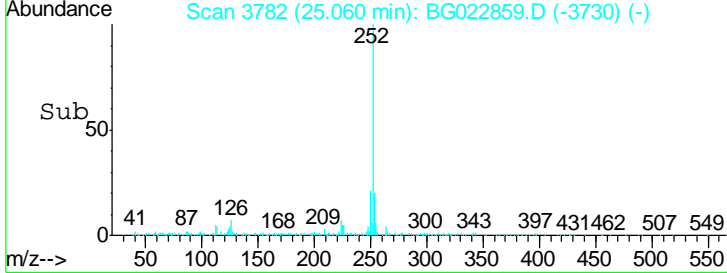
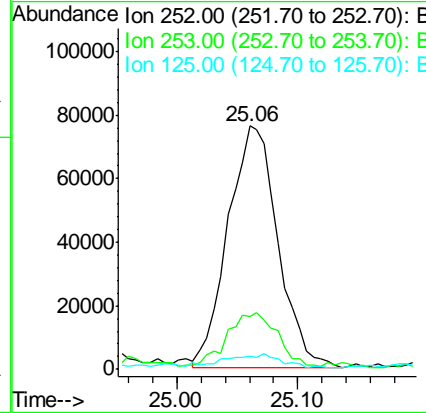
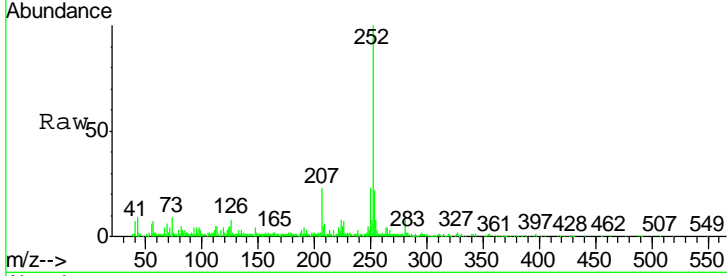




#88  
 Benzo(a)pyrene  
 Concen: 2.75 ng/ul  
 RT: 25.06 min Scan# 3782  
 Delta R.T. 0.01 min  
 Lab File: BG022859.D  
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Tgt Ion	Resp	Lower	Upper
252	100		
253	21.8	19.0	28.4
125	5.3	12.0	18.0#



#91  
 Benzo(g,h,i)perylene  
 Concen: 1.09 ng/ul  
 RT: 30.27 min Scan# 4669  
 Delta R.T. 0.00 min  
 Lab File: BG022859.D  
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Tgt Ion	Resp	Lower	Upper
276	100		
138	10.5	22.1	33.1#
277	29.4	17.0	25.4#

