

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
 Data File : BG029265.D
 Acq On : 15 Oct 2017 18:54
 Operator : SJ/JU
 Sample : I5548-036DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :

Quant Time: Oct 16 09:34:57 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 16 09:33:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	112984	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	499109	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	292784	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	605165	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	536727	20.00	ng/ul	0.00
83) Perylene-d12	25.12	264	536544	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	3529	1.27	ng/uL	0.00
5) Phenol-d5	7.32	99	66841	6.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	42254	6.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	49498	6.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	53007	6.05	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	25000	6.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	26510	7.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	53308	6.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	41639	4.28	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	160975	6.43	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	206305	6.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	21860	4.73	ng/ul	0.00
57) Fluorene-d10	15.78	176	137583	6.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	10551	3.57	ng/ul	0.00
70) Anthracene-d10	17.63	188	201684	7.05	ng/ul	0.00
76) Pyrene-d10	19.90	212	201402	7.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.90	264	169314	6.66	ng/ul	0.00

Target Compounds

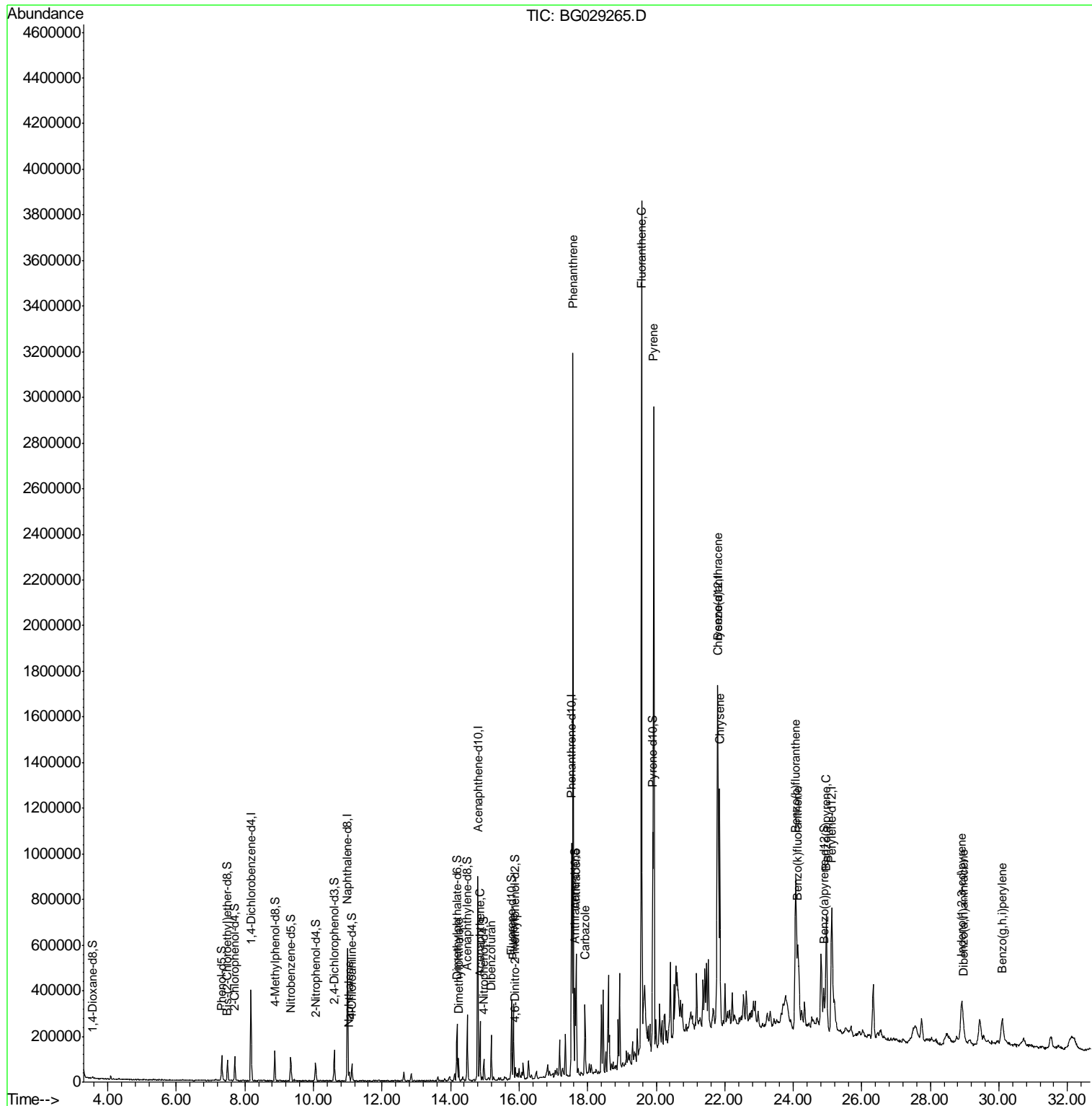
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	11.05	128	33324	1.262	ng/ul#	93
44) Dimethylphthalate	14.24	163	61365	2.513	ng/ul	98
49) Acenaphthene	14.85	153	109618	5.160	ng/ul	98
53) Dibenzofuran	15.19	168	113798	3.918	ng/ul	94
58) Fluorene	15.83	166	144406	6.232	ng/ul	97
69) Phenanthrene	17.57	178	1876786	57.368	ng/ul	94
71) Anthracene	17.66	178	347743	10.303	ng/ul	99
72) Carbazole	17.93	167	193616	6.381	ng/ul	98
74) Fluoranthene	19.57	202	2089855	57.160	ng/ul#	86
77) Pyrene	19.93	202	1651636	45.915	ng/ul#	83
80) Benzo(a)anthracene	21.79	228	738289	21.949	ng/ul	99
82) Chrysene	21.85	228	699936	22.902	ng/ul	95
85) Benzo(b)fluoranthene	24.07	252	804438	24.974	ng/ul#	91
86) Benzo(k)fluoranthene	24.13	252	249077	7.998	ng/ul#	94
88) Benzo(a)pyrene	24.96	252	519190	16.559	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	28.92	276	310592	8.756	ng/ul#	92
90) Dibenzo(a,h)anthracene	28.97	278	78138	2.652	ng/ul#	88
91) Benzo(g,h,i)perylene	30.09	276	236054	8.028	ng/ul#	84

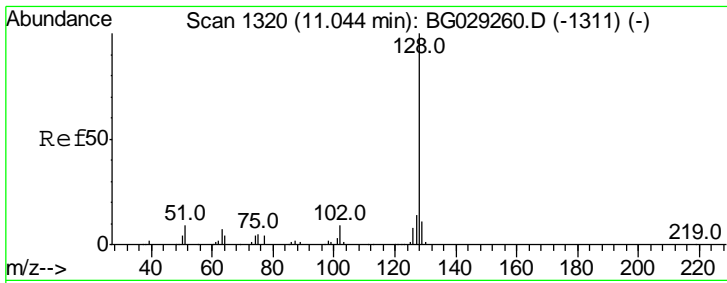
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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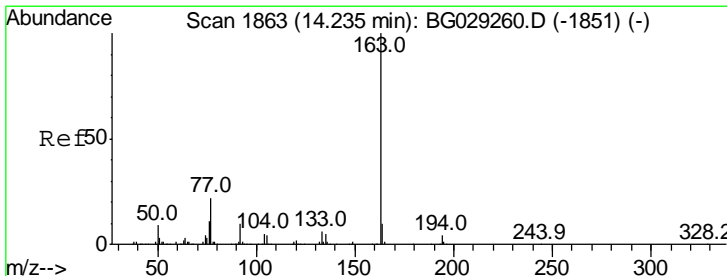
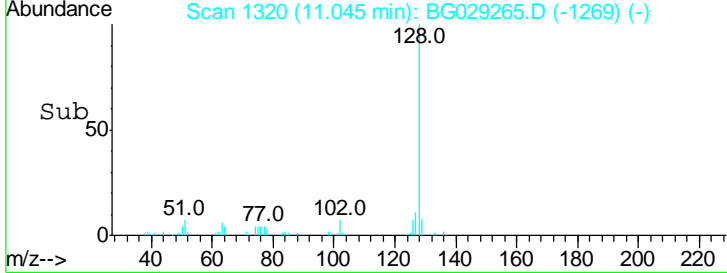
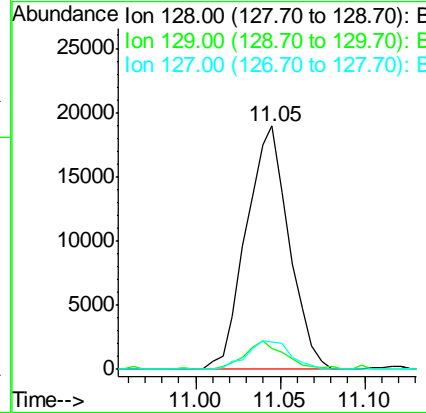
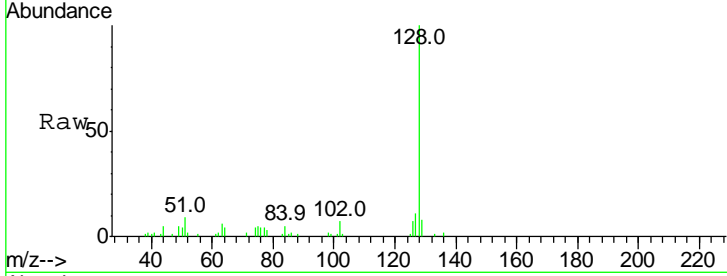




#28
 Naphthalene
 Concen: 1.262 ng/ul
 RT: 11.05 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

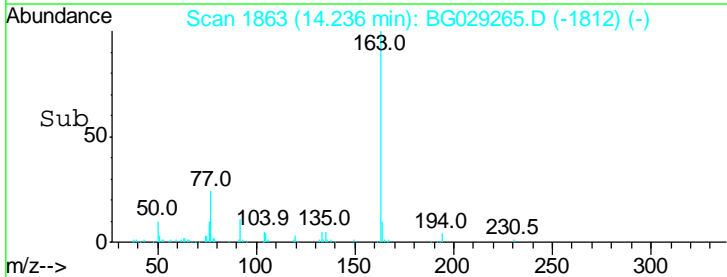
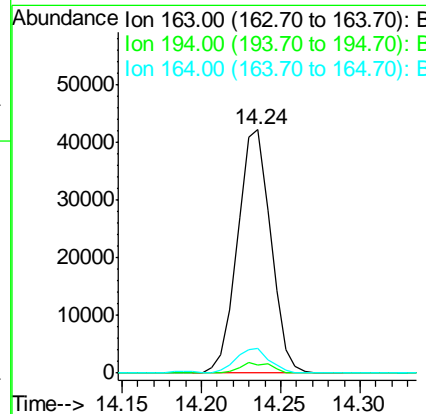
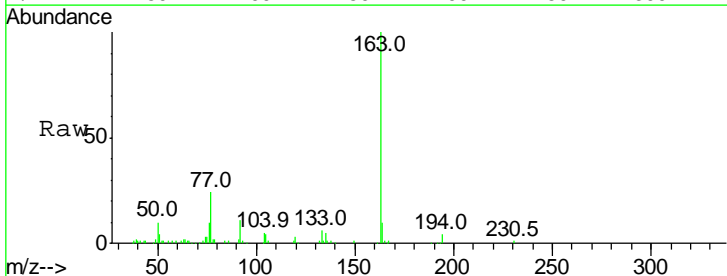
Instrument :
 BNA_G
 ClientSampled :

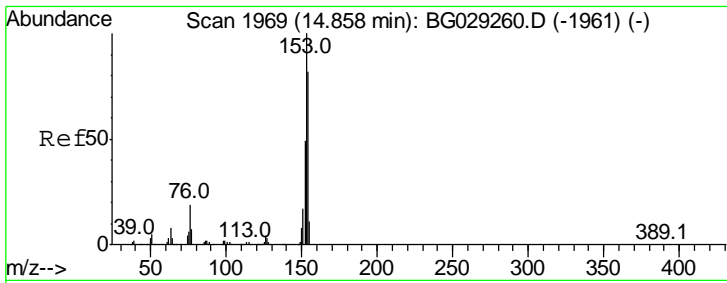
Tgt Ion	Resp	Lower	Upper
128	33324		
129	8.4	9.3	13.9#
127	11.0	10.7	16.1



#44
 Dimethylphthalate
 Concen: 2.513 ng/ul
 RT: 14.24 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion	Resp	Lower	Upper
163	61365		
194	3.6	3.5	5.3
164	10.2	7.6	11.4

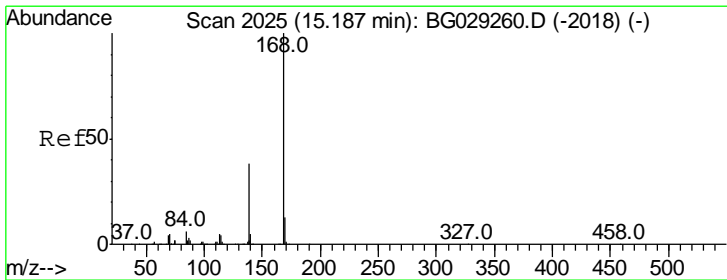
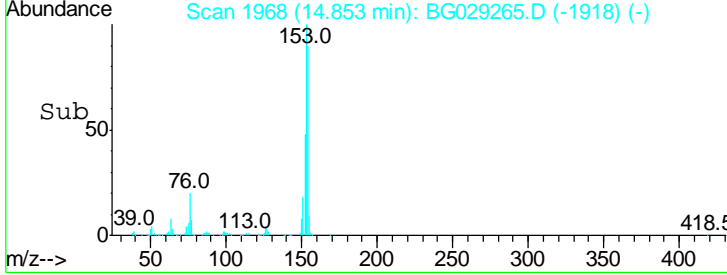
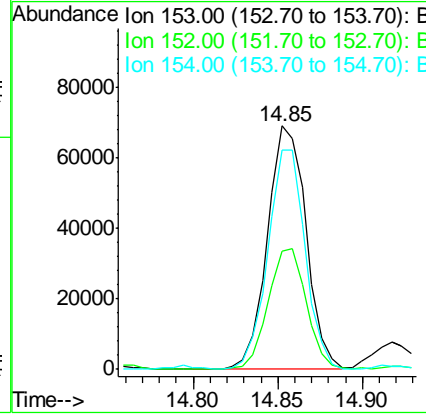
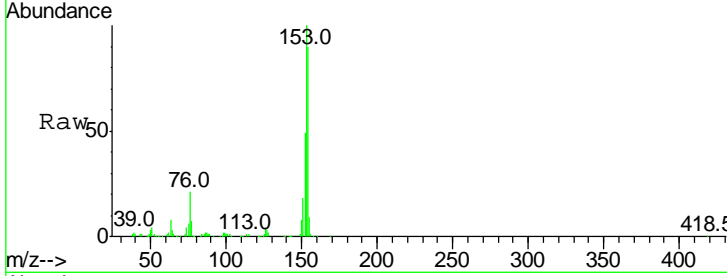




#49
 Acenaphthene
 Concen: 5.160 ng/ul
 RT: 14.85 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

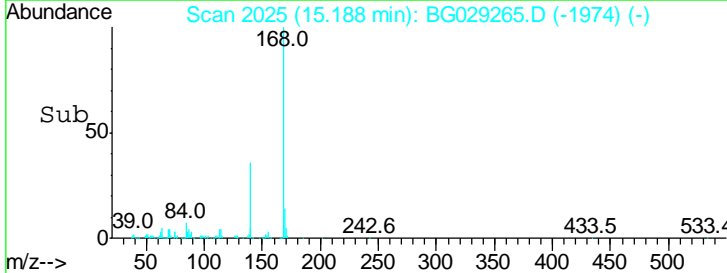
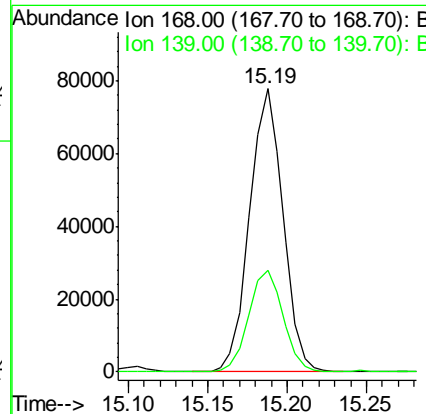
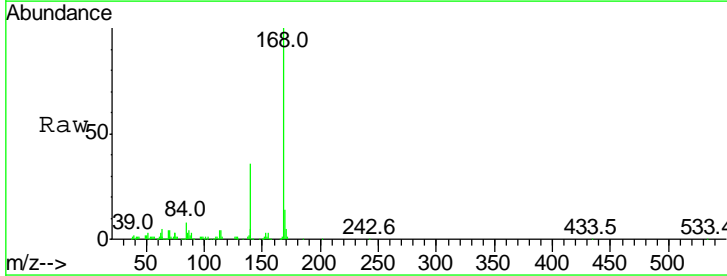
Instrument :
 BNA_G
 ClientSampled :

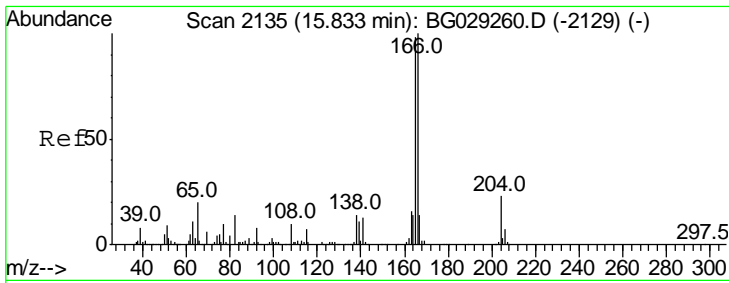
Tgt Ion	Resp	Lower	Upper
153	109618		
152	48.6	38.2	57.2
154	90.3	70.6	105.8



#53
 Dibenzofuran
 Concen: 3.918 ng/ul
 RT: 15.19 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion	Resp	Lower	Upper
168	113798		
139	35.7	31.4	47.2

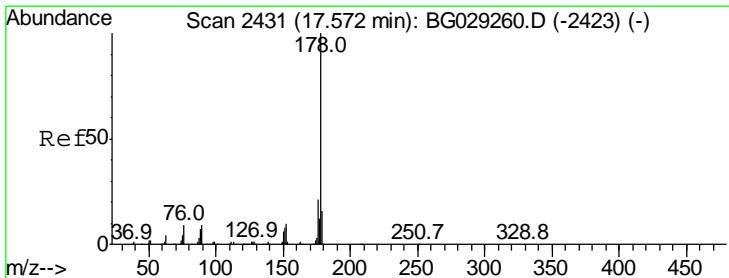
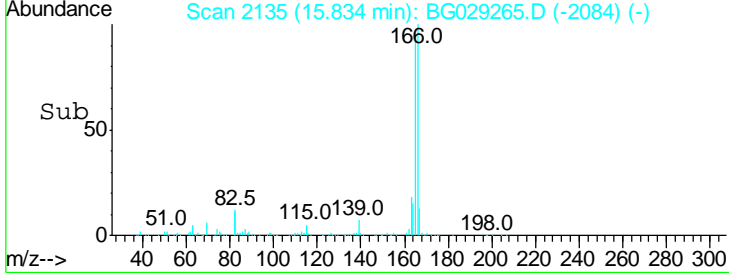
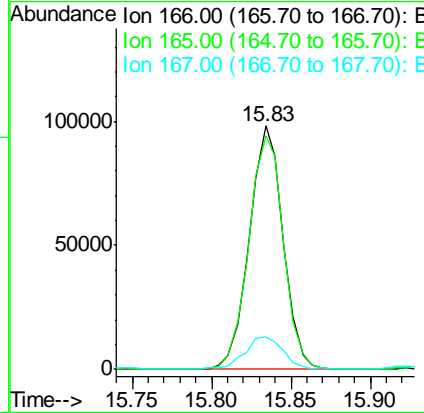
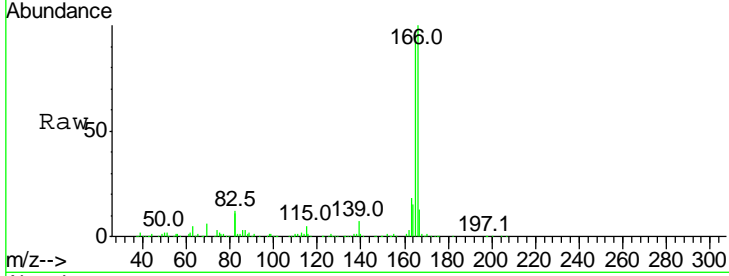




#58
 Fluorene
 Concen: 6.232 ng/ul
 RT: 15.83 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

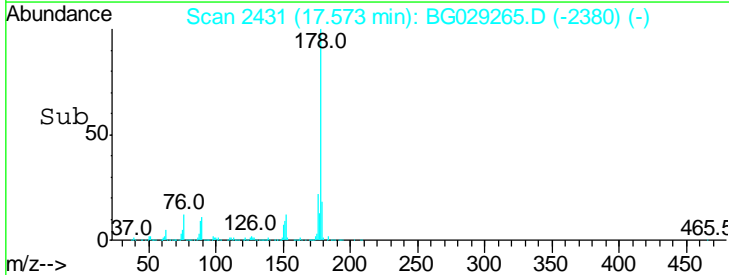
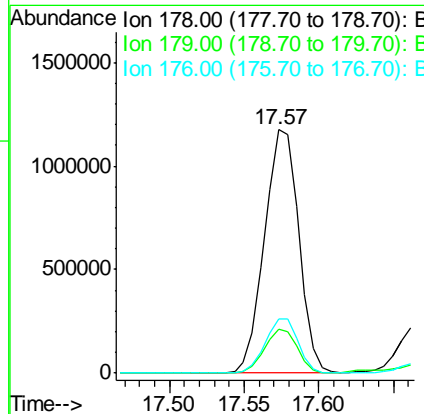
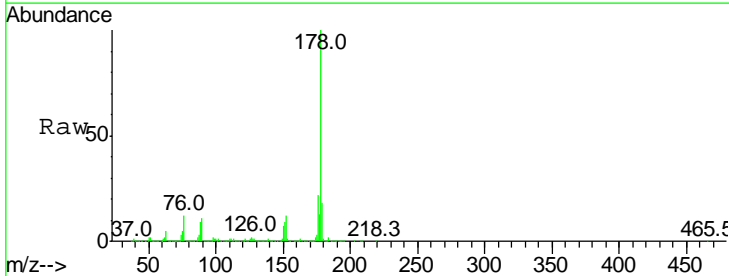
Instrument :
 BNA_G
 ClientSampled :

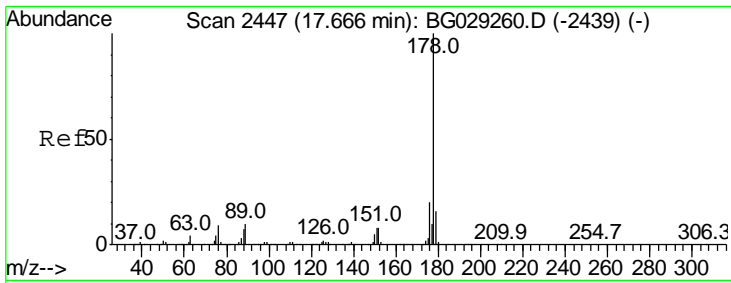
Tgt Ion	Resp	Lower	Upper
166	100		
165	96.1	79.9	119.9
167	13.3	10.6	16.0



#69
 Phenanthrene
 Concen: 57.368 ng/ul
 RT: 17.57 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG029265.D
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Tgt Ion	Resp	Lower	Upper
178	100		
179	18.2	13.0	19.6
176	22.4	15.3	22.9

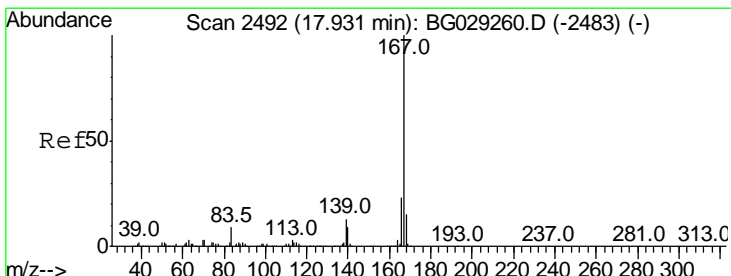
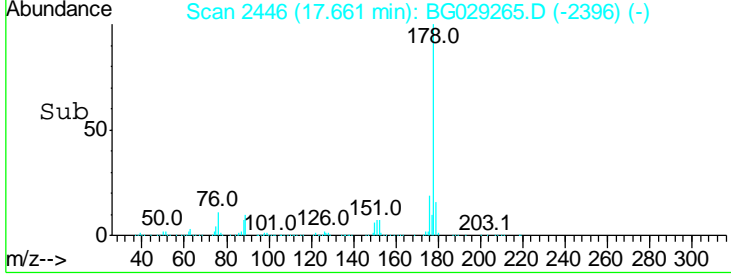
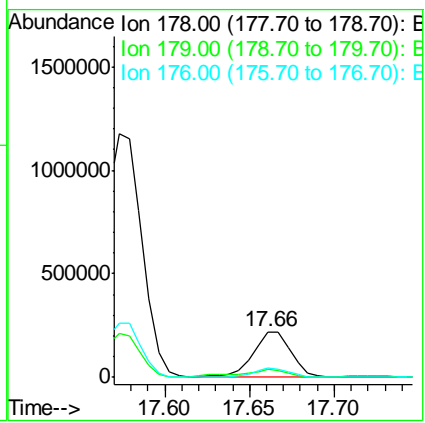
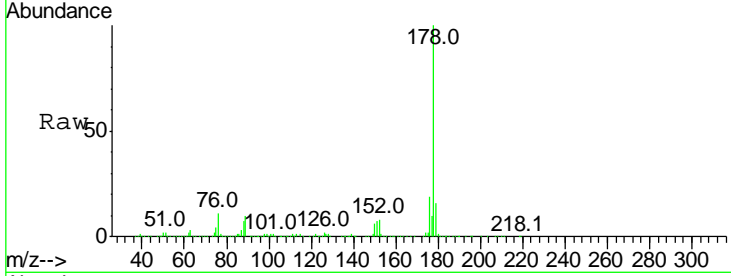




#71
 Anthracene
 Concen: 10.303 ng/ul
 RT: 17.66 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

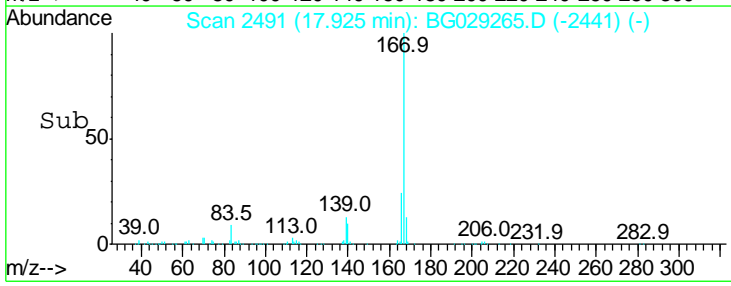
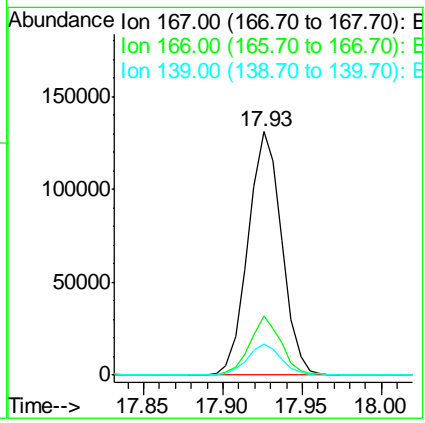
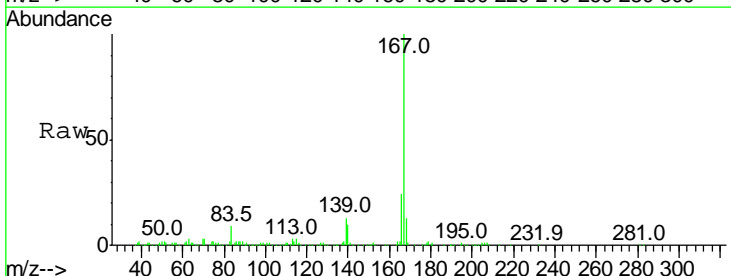
Instrument :
 BNA_G
 ClientSampled :

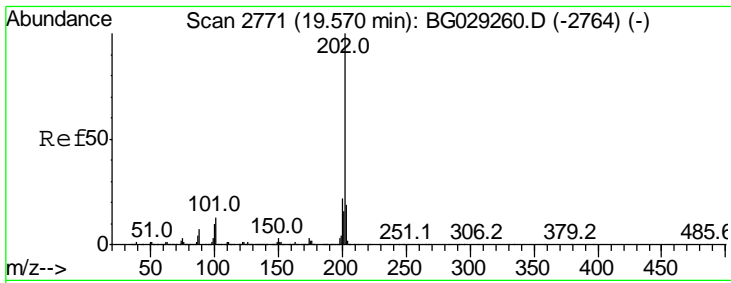
Tgt Ion	Resp	Lower	Upper
178	100		
179	16.4	13.2	19.8
176	19.1	16.0	24.0



#72
 Carbazole
 Concen: 6.381 ng/ul
 RT: 17.93 min Scan# 2491
 Delta R.T. -0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion	Resp	Lower	Upper
167	100		
166	24.3	18.6	28.0
139	12.9	10.6	16.0



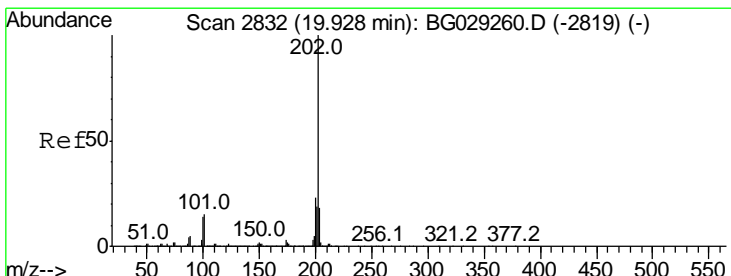
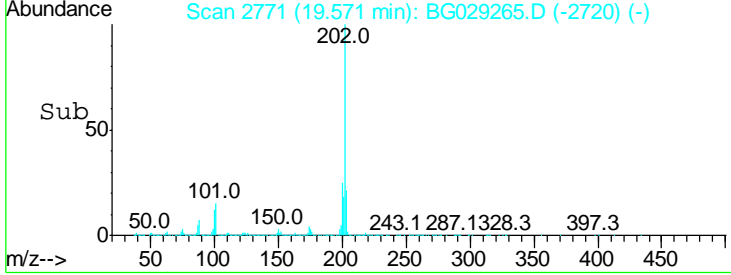
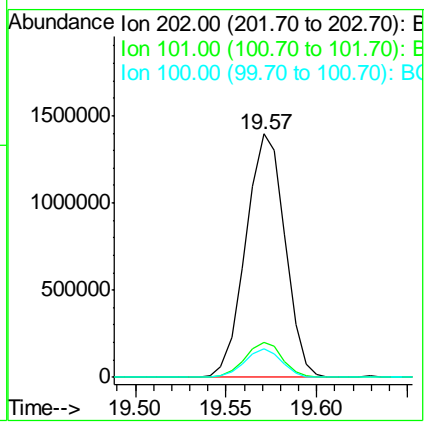
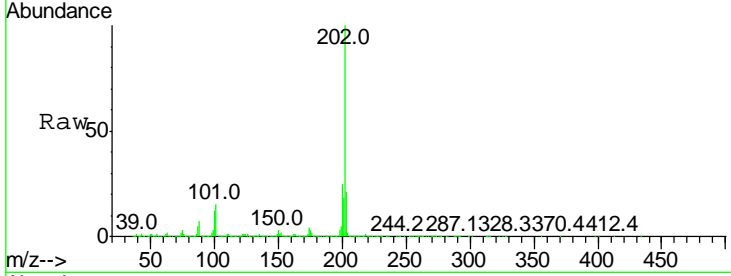


#74
 Fluoranthene
 Concen: 57.160 ng/ul
 RT: 19.57 min Scan# 2771
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion: 202 Resp: 2089855

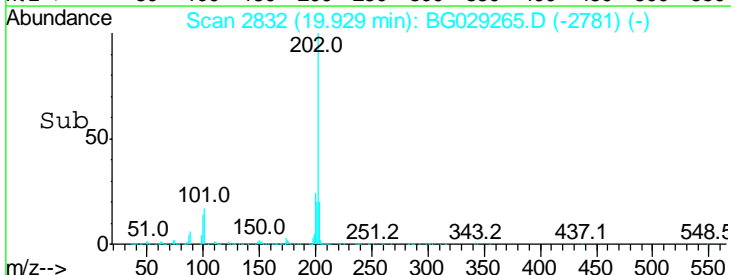
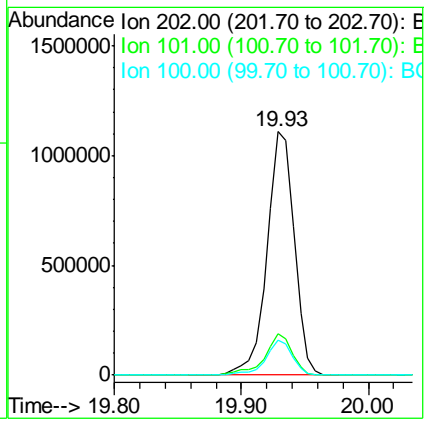
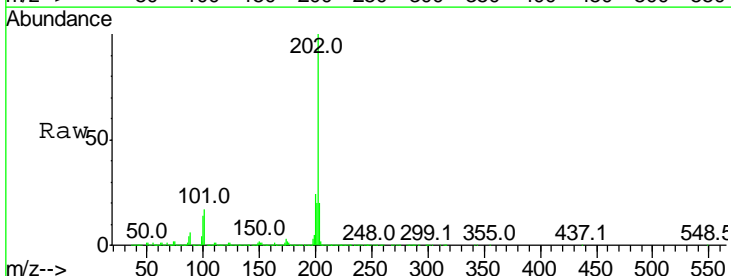
Ion	Ratio	Lower	Upper
202	100		
101	14.6	7.4	11.2#
100	11.8	5.6	8.4#

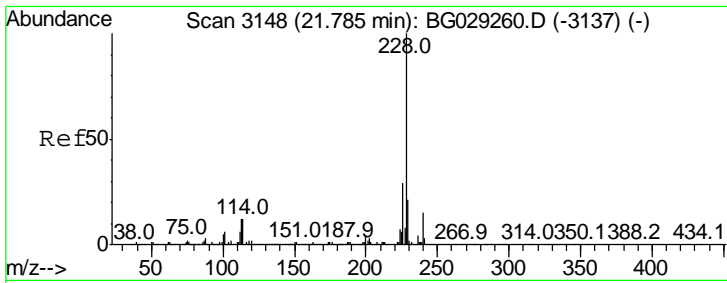


#77
 Pyrene
 Concen: 45.915 ng/ul
 RT: 19.93 min Scan# 2832
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion: 202 Resp: 1651636

Ion	Ratio	Lower	Upper
202	100		
101	17.2	8.4	12.6#
100	14.4	7.0	10.6#

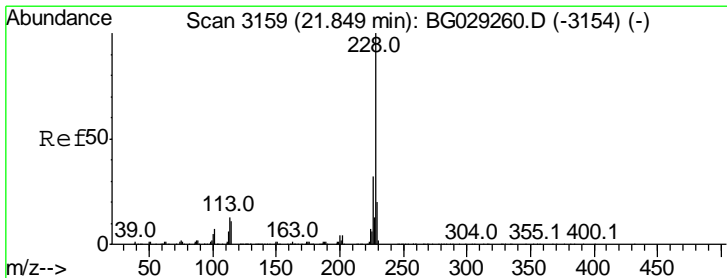
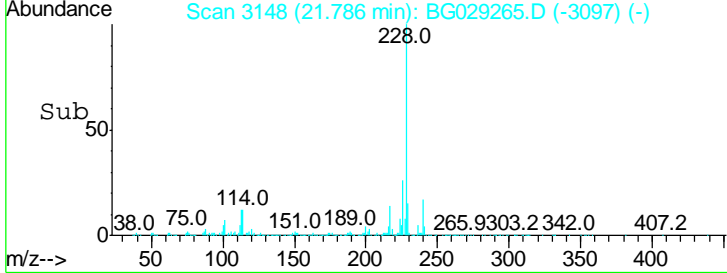
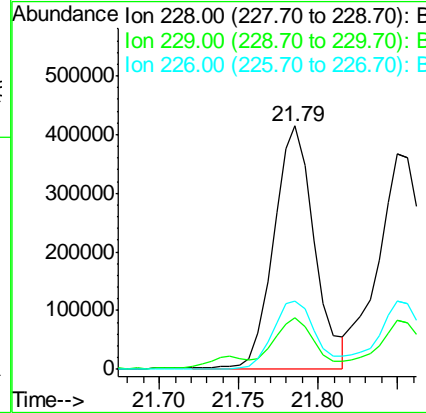
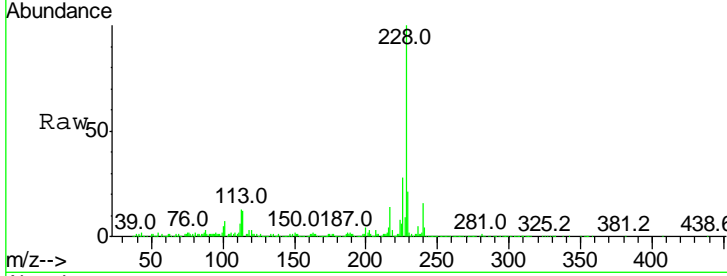




#80
 Benzo(a)anthracene
 Concen: 21.949 ng/ul
 RT: 21.79 min Scan# 3148
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

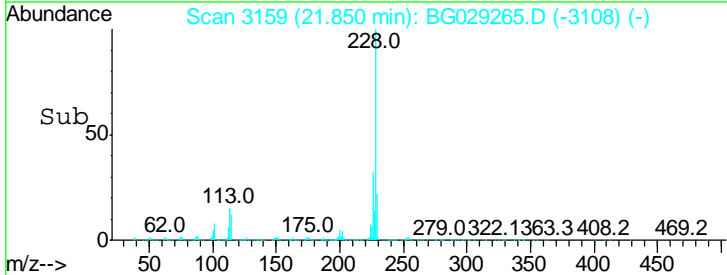
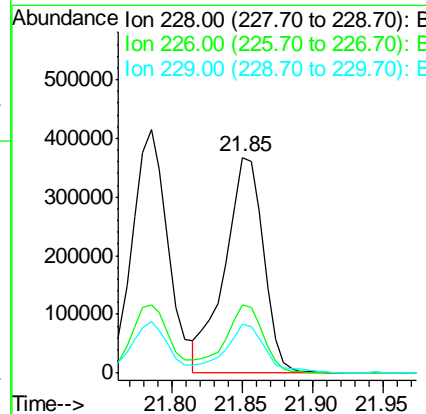
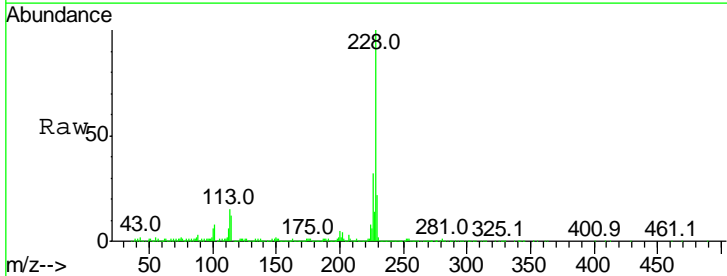
Instrument :
 BNA_G
 ClientSampled :

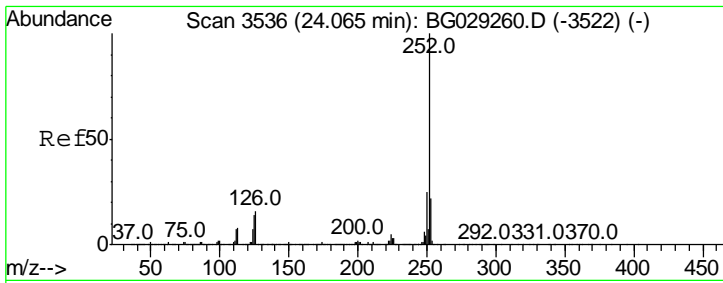
Tgt Ion	Resp	Lower	Upper
228	100		
229	21.2	16.2	24.4
226	28.2	22.2	33.2



#82
 Chrysene
 Concen: 22.902 ng/ul
 RT: 21.85 min Scan# 3159
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion	Resp	Lower	Upper
228	100		
226	31.8	24.2	36.2
229	22.5	15.2	22.8

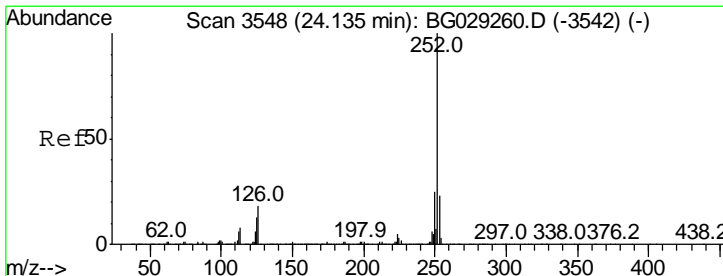
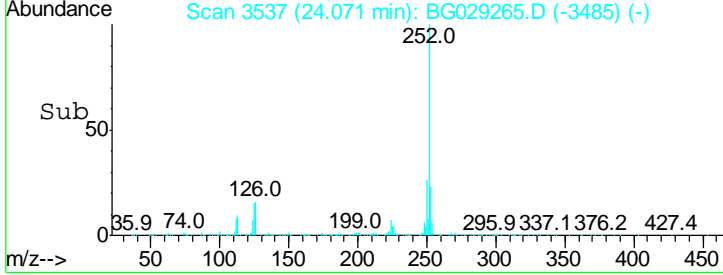
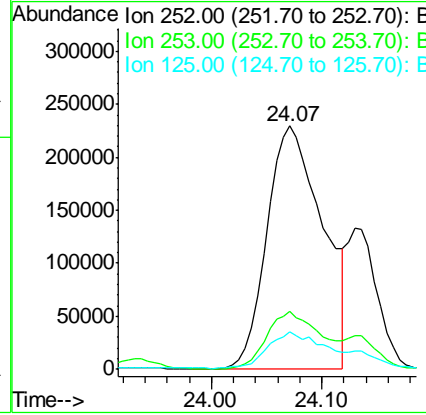
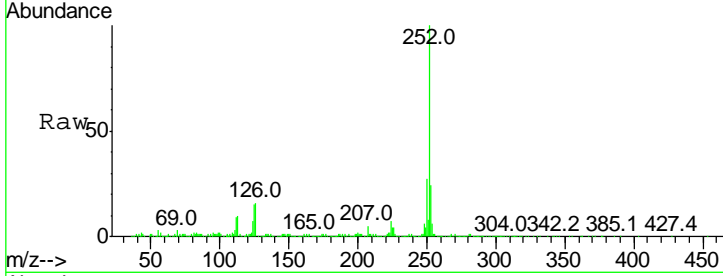




#85
 Benzo(b)fluoranthene
 Concen: 24.974 ng/ul
 RT: 24.07 min Scan# 3537
 Delta R.T. 0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

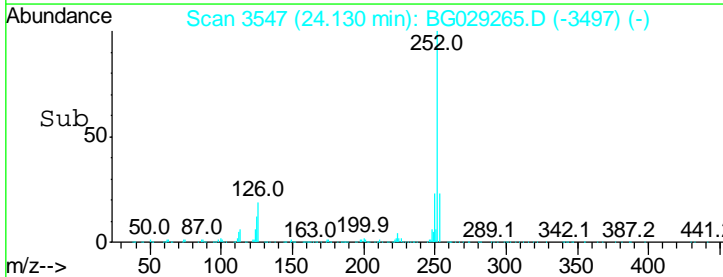
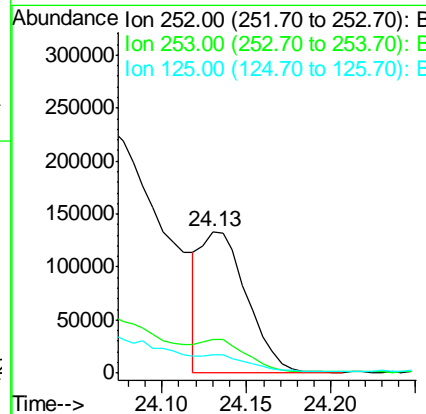
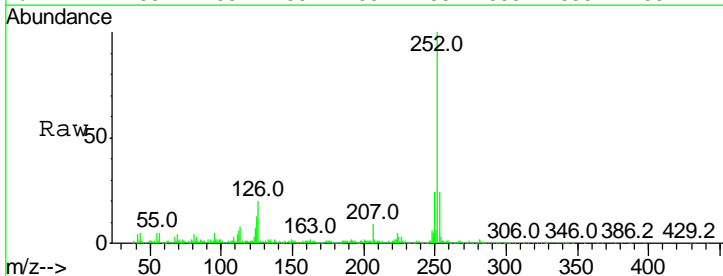
Instrument :
 BNA_G
 ClientSampled :

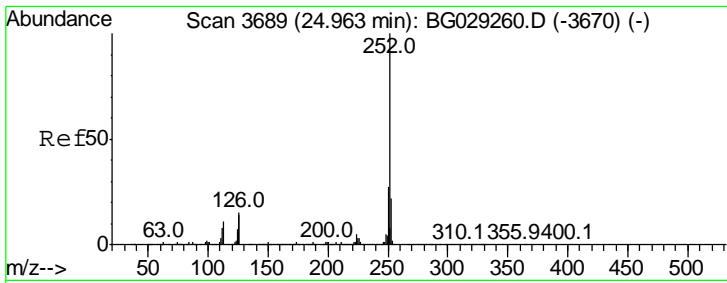
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.7	17.0	25.4
125	15.4	7.5	11.3#



#86
 Benzo(k)fluoranthene
 Concen: 7.998 ng/ul
 RT: 24.13 min Scan# 3547
 Delta R.T. -0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	13.0	7.8	11.8#

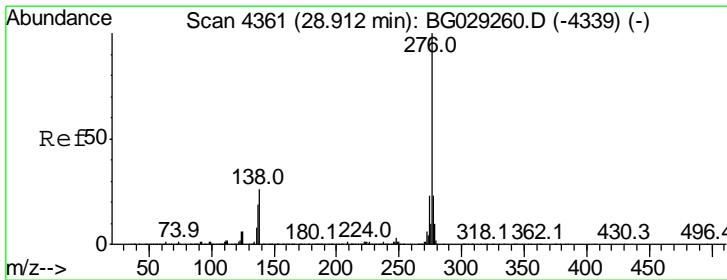
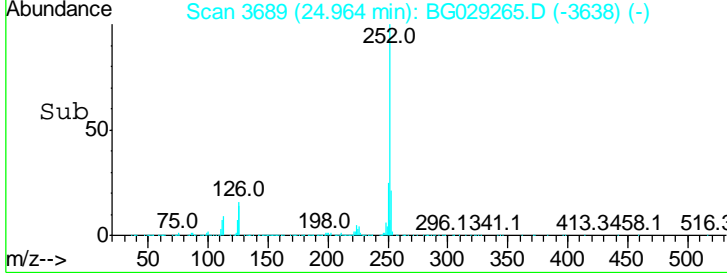
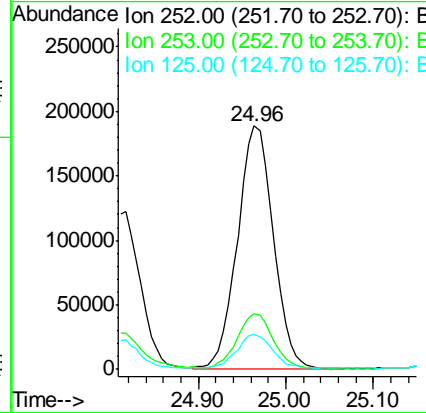
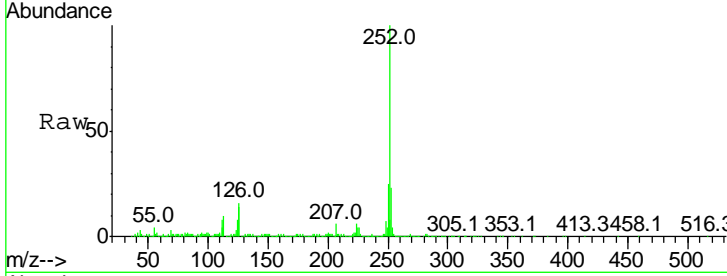




#88
 Benzo(a)pyrene
 Concen: 16.559 ng/ul
 RT: 24.96 min Scan# 3689
 Delta R.T. 0.00 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

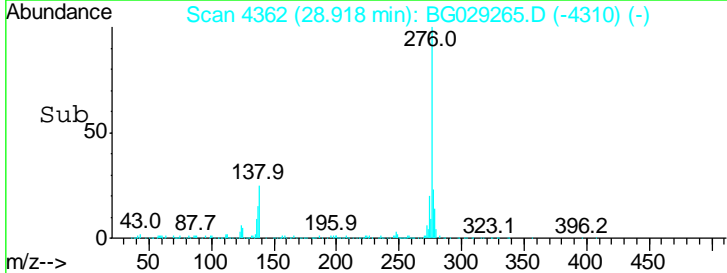
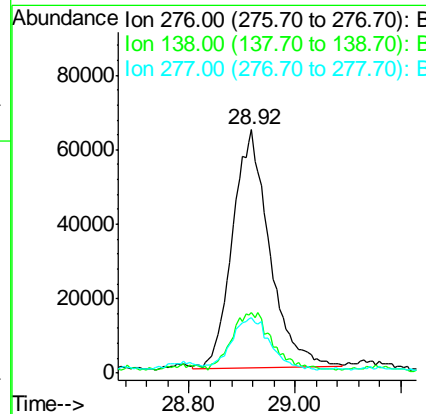
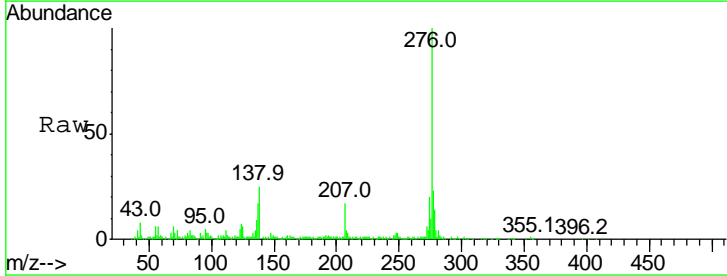
Instrument :
 BNA_G
 ClientSampled :

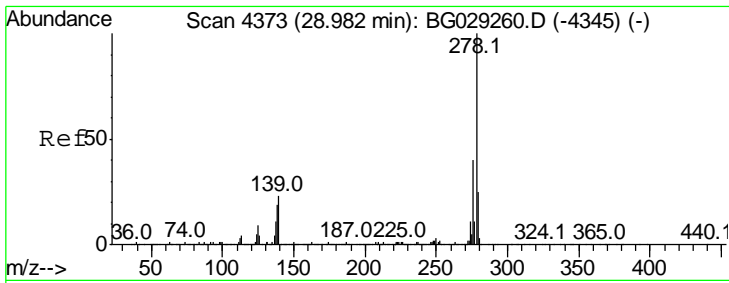
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.3	7.8	11.8#



#89
 Indeno(1,2,3-cd)pyrene
 Concen: 8.756 ng/ul
 RT: 28.92 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion	Resp	Lower	Upper
276	100		
138	24.9	13.4	20.0#
277	23.0	18.6	28.0

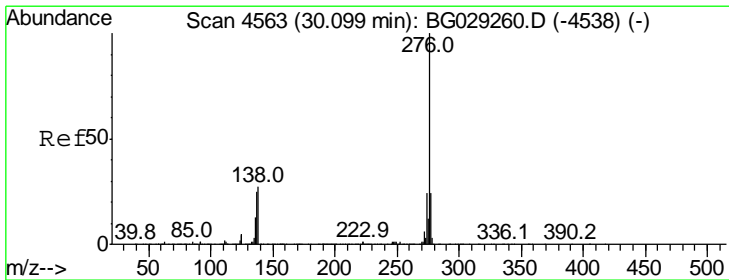
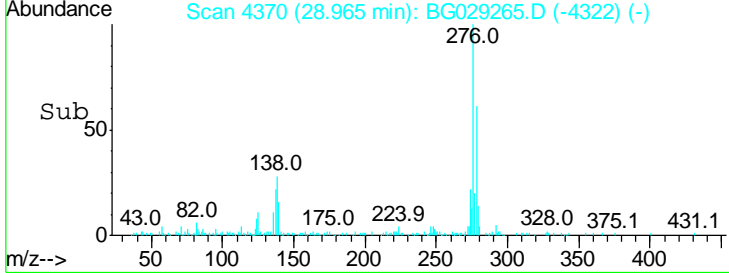
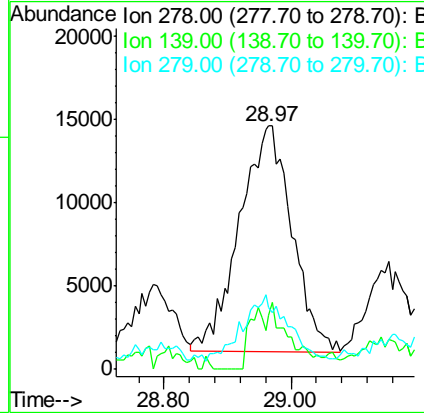
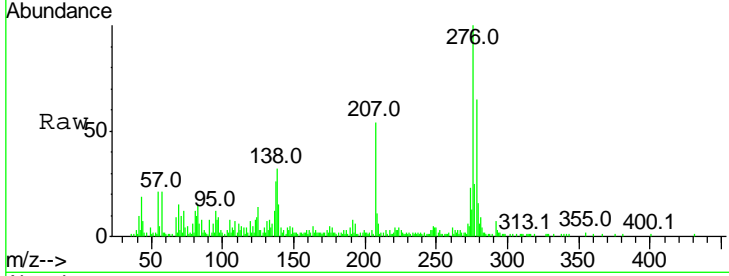




#90
 Dibenzo(a,h)anthracene
 Concen: 2.652 ng/ul
 RT: 28.97 min Scan# 4370
 Delta R.T. -0.02 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
278	100		
139	22.5	9.4	14.2#
279	25.2	18.4	27.6



#91
 Benzo(g,h,i)perylene
 Concen: 8.028 ng/ul
 RT: 30.09 min Scan# 4561
 Delta R.T. -0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion	Resp	Lower	Upper
276	100		
138	27.2	12.1	18.1#
277	25.1	17.7	26.5

