

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021968.D
 Acq On : 19 May 2016 18:09
 Operator : UM/SJ
 Sample : H3092-18MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:48:02 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 05:44:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	42366	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	221482	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.79	164	123846	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	236866	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	198803	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	187249	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.55	96	2404	2.60	ng/uL	0.00
3) Phenol-d5	7.31	99	48862	13.06	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	31301	15.71	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	46932	15.28	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	23890	7.17	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	25701	16.54	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	27117	16.36	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	44715	15.26	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	26421	11.45	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	152668	15.99	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	205403	16.70	ng/ul	0.00
20) 4-Nitrophenol-d4	14.99	143	8250	4.91	ng/ul	0.01
21) Fluorene-d10	15.77	176	133992	15.59	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	10852	9.23	ng/ul	0.00
26) Anthracene-d10	17.63	188	171974	15.76	ng/ul	0.00
30) Pyrene-d10	19.91	212	180585	17.22	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	140852	16.94	ng/ul	0.00

Target Compounds

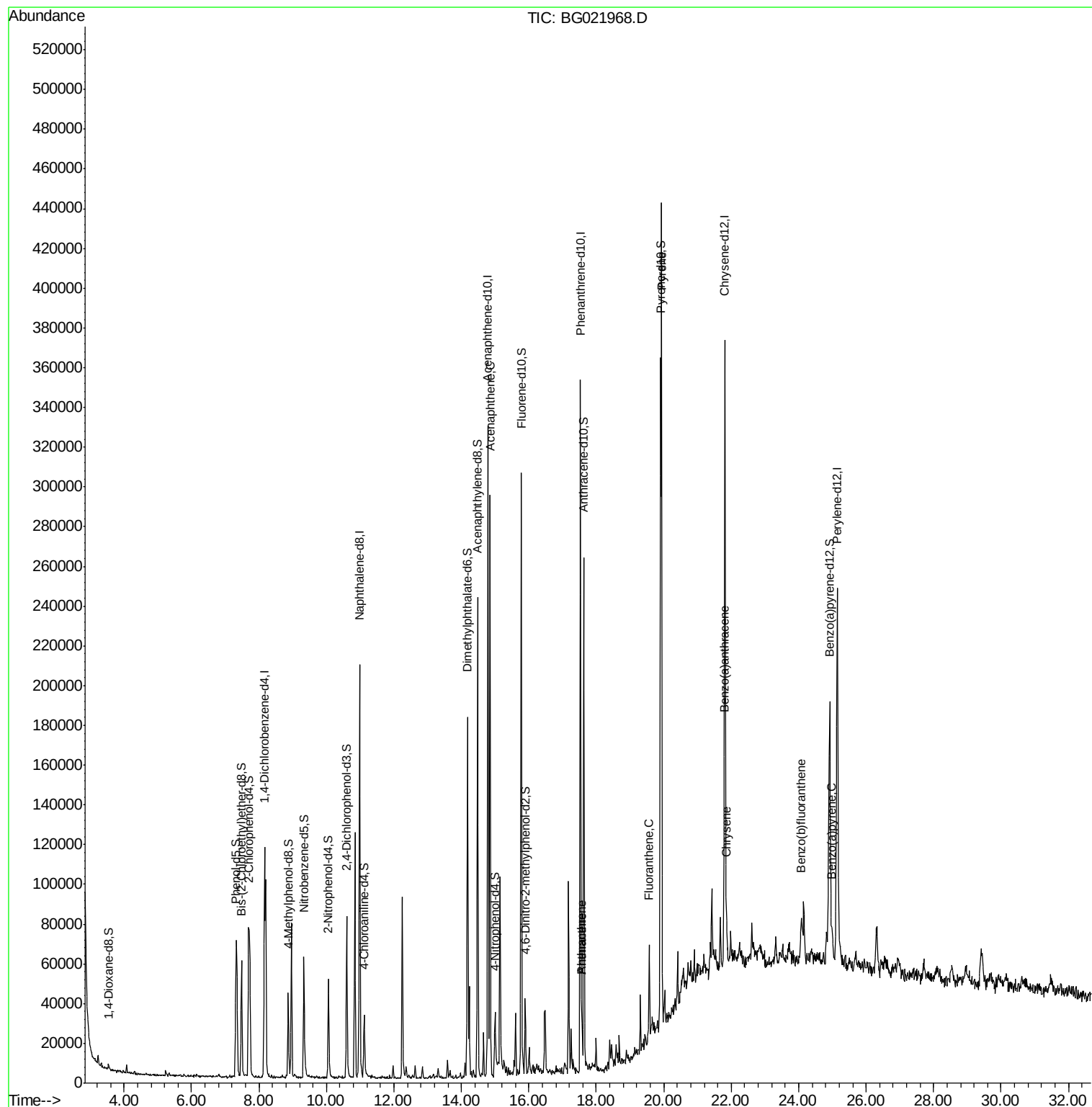
						Ovalue
19) Acenaphthene	14.85	153	143664	16.33	ng/ul	97
25) Phenanthrene	17.57	178	14677	1.16	ng/ul	97
27) Anthracene	17.57	178	14677	1.15	ng/ul	99
28) Fluoranthene	19.57	202	26951	2.05	ng/ul#	92
31) Pyrene	19.93	202	250959	18.33	ng/ul#	92
32) Benzo(a)anthracene	21.79	228	17661	1.60	ng/ul#	88
33) Chrysene	21.86	228	16360	1.52	ng/ul	92
35) Benzo(b)fluoranthene	24.08	252	12653	1.18	ng/ul#	88
38) Benzo(a)pyrene	24.98	252	15266	1.48	ng/ul#	87

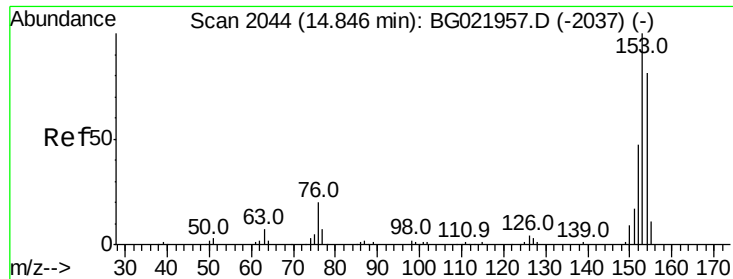
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

Acenaphthene

Concen: 16.33 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.01 min

Lab File: BG021968.D

Acq: 19 May 2016 18:09

Instrument :

BNA_G

ClientSampleId :

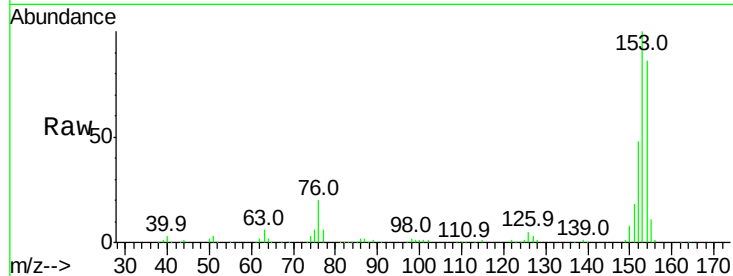
Tot Ion:153 Resp: 143664

Ion Ratio Lower Upper

153 100

152 48.4 36.5 54.7

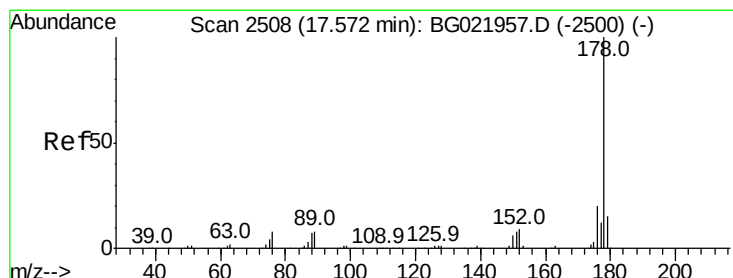
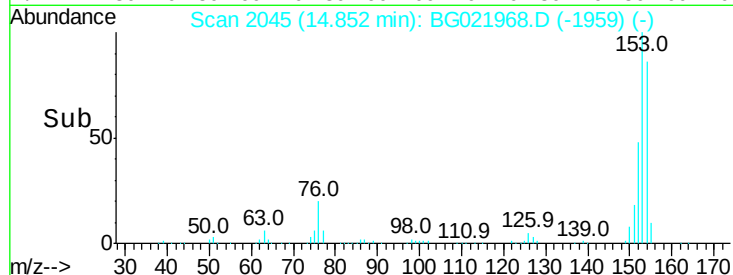
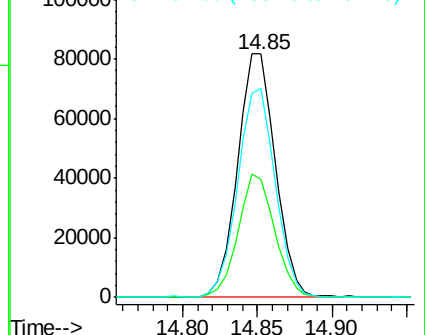
154 85.7 67.3 100.9



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



#25

Phenanthrene

Concen: 1.16 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG021968.D

Acq: 19 May 2016 18:09

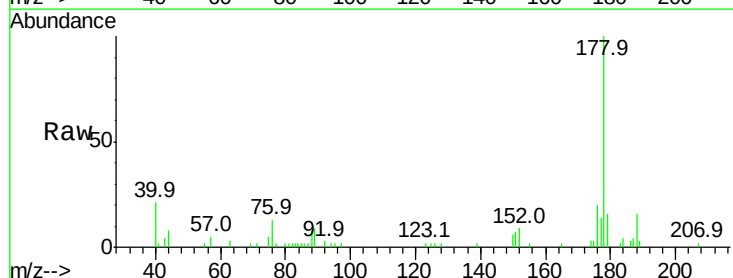
Tgt Ion:178 Resp: 14677

Ion Ratio Lower Upper

178 100

179 15.9 11.8 17.8

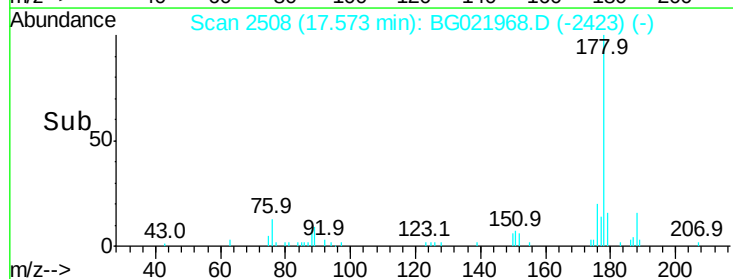
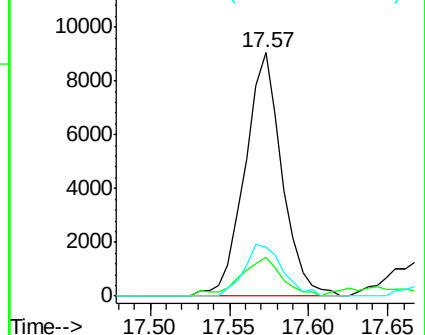
176 20.0 14.8 22.2

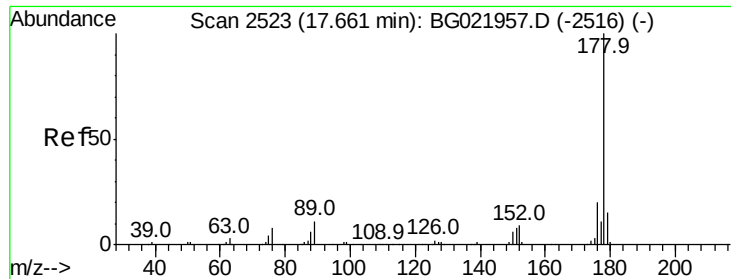


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

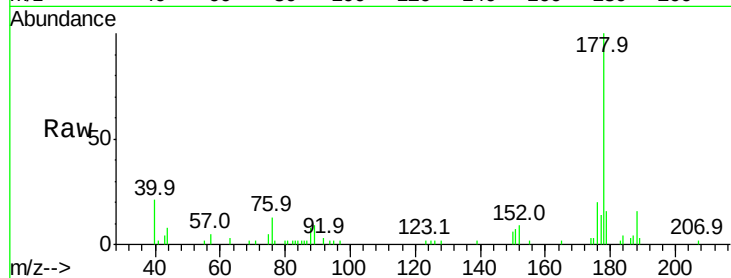




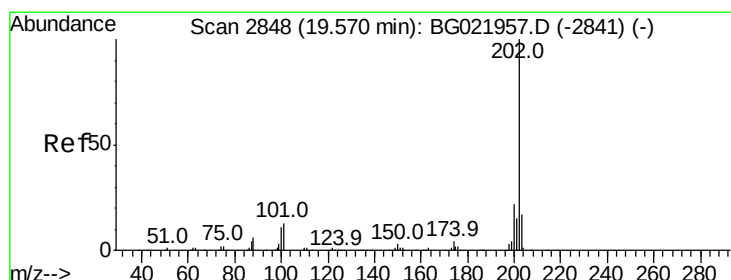
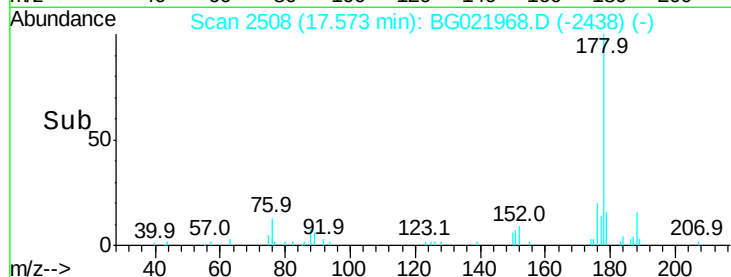
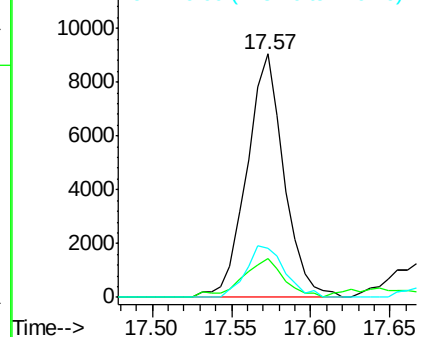
#27
 Anthracene
 Concen: 1.15 ng/ul
 RT: 17.57 min Scan# 2508
 Delta R.T. -0.09 min
 Lab File: BG021968.D
 Acq: 19 May 2016 18:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:178 Resp: 14677
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.9 19.3
 176 20.0 15.6 23.4

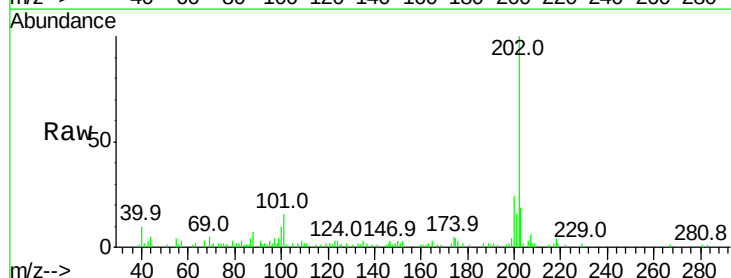


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

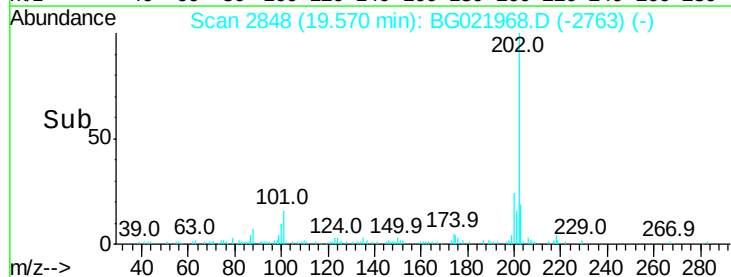
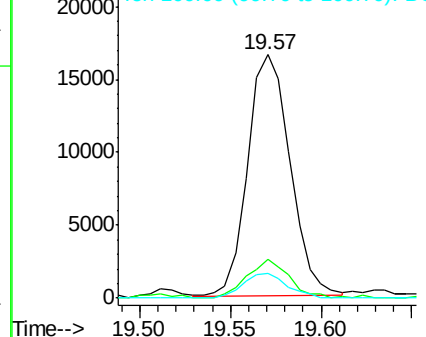


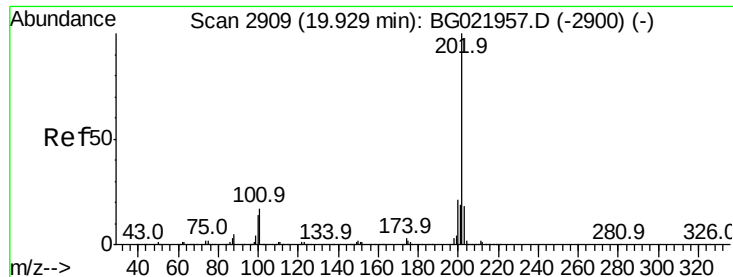
#28
 Fluoranthene
 Concen: 2.05 ng/ul
 RT: 19.57 min Scan# 2848
 Delta R.T. 0.00 min
 Lab File: BG021968.D
 Acq: 19 May 2016 18:09

Tgt Ion:202 Resp: 26951
 Ion Ratio Lower Upper
 202 100
 101 15.7 8.9 13.3#
 100 9.9 7.0 10.4



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): B

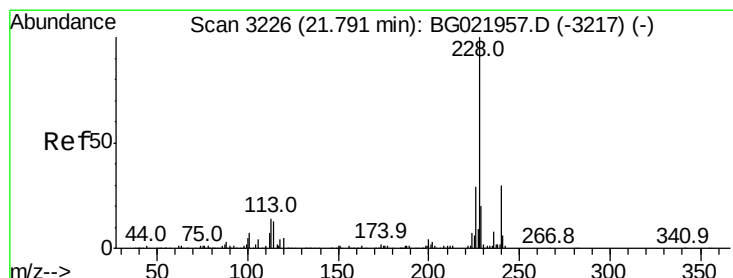
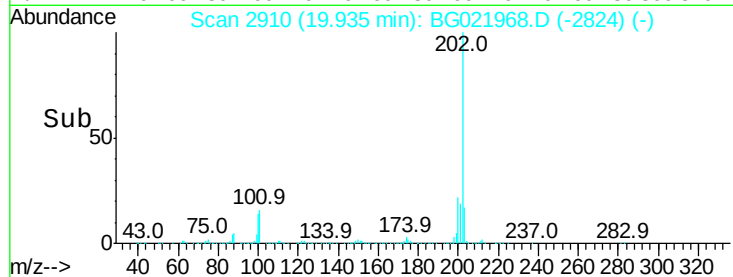
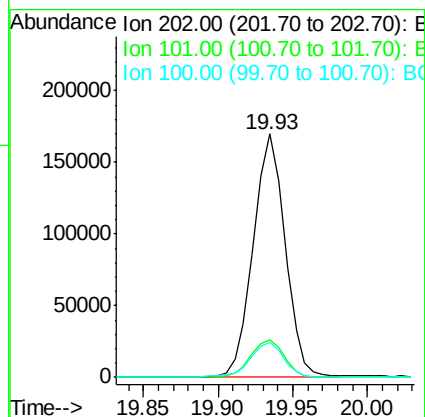
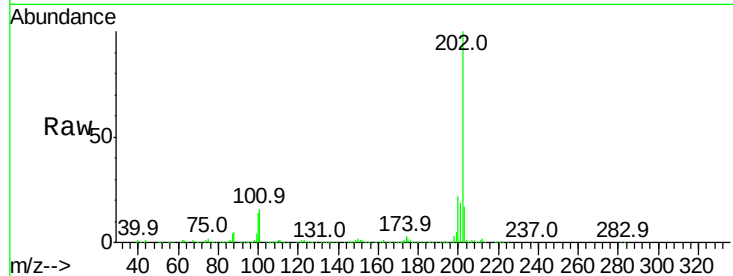




#31
Pvrene
Concen: 18.33 ng/ul
RT: 19.93 min Scan# 2910
Delta R.T. 0.01 min
Lab File: BG021968.D
Acq: 19 May 2016 18:09

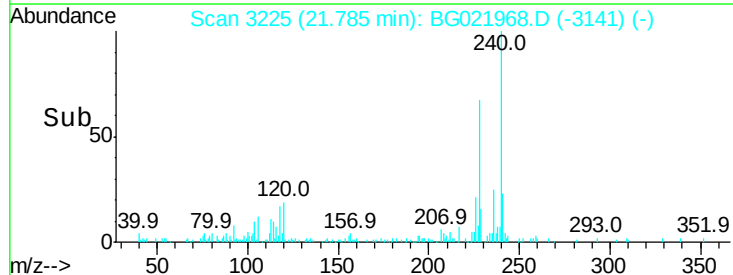
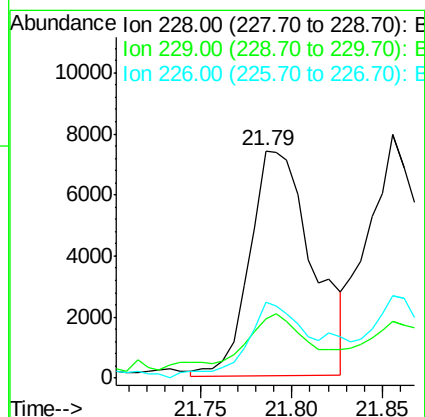
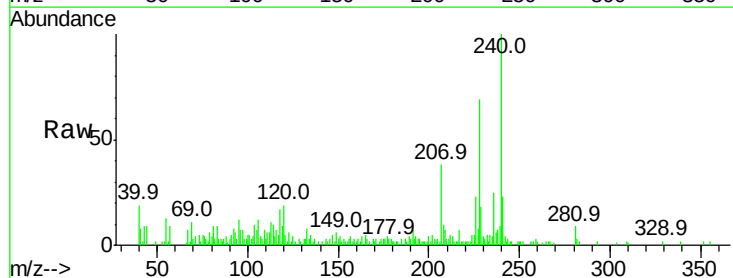
Instrument :
BNA_G
ClientSampleId :

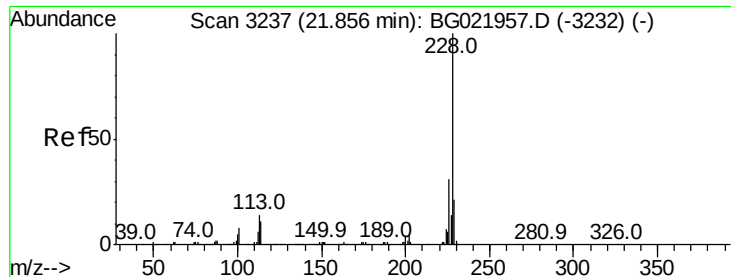
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.5	9.8	14.8#
100	14.3	9.3	13.9#



#32
Benzo(a)anthracene
Concen: 1.60 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG021968.D
Acq: 19 May 2016 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.8	16.6	25.0#
226	33.2	21.0	31.4#





#33

Chrysene

Concen: 1.52 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.00 min

Lab File: BG021968.D

Acq: 19 May 2016 18:09

Instrument :

BNA_G

ClientSampled :

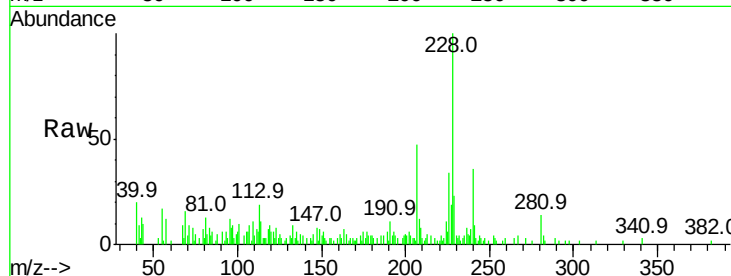
Tot Ion:228 Resp: 16360

Ion	Ratio	Lower	Upper
228	100		
226	33.9	23.4	35.2
229	23.4	16.2	24.2

228 100

226 33.9 23.4 35.2

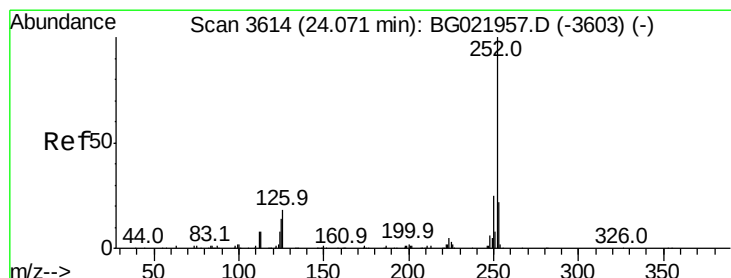
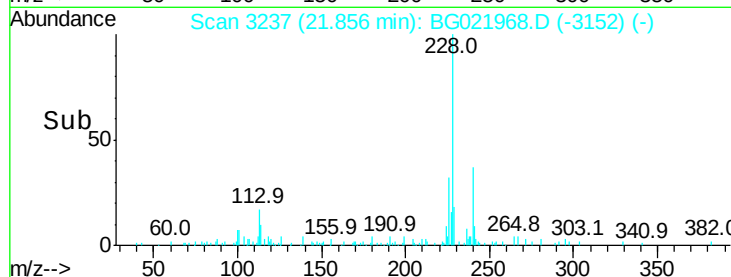
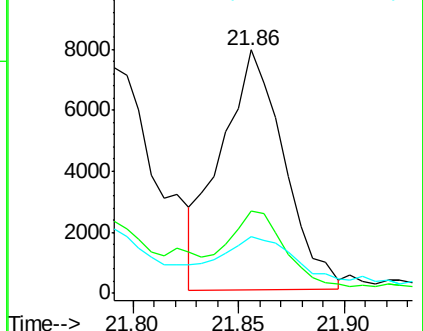
229 23.4 16.2 24.2



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



#35

Benzo(b)fluoranthene

Concen: 1.18 ng/ul

RT: 24.08 min Scan# 3615

Delta R.T. 0.01 min

Lab File: BG021968.D

Acq: 19 May 2016 18:09

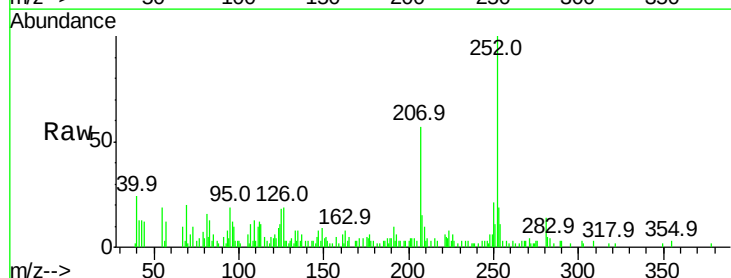
Tgt Ion:252 Resp: 12653

Ion	Ratio	Lower	Upper
252	100		
253	18.7	18.1	27.1
125	17.5	7.6	11.4

252 100

253 18.7 18.1 27.1

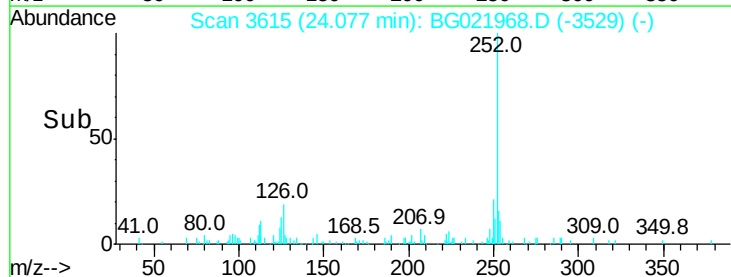
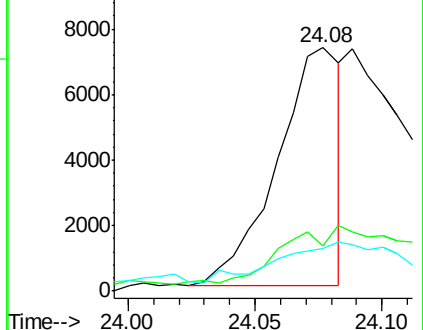
125 17.5 7.6 11.4

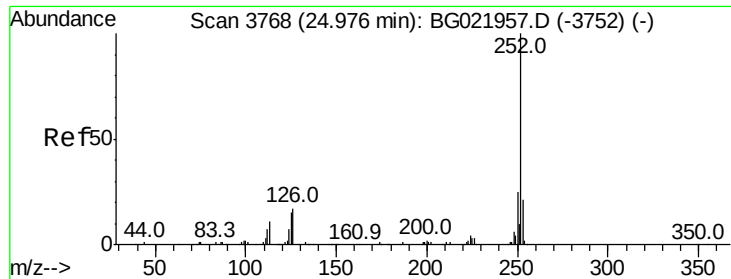


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.48 ng/ul

RT: 24.98 min Scan# 3769

Delta R.T. 0.01 min

Lab File: BG021968.D

Acq: 19 May 2016 18:09

Instrument :

BNA_G

ClientSampleId :

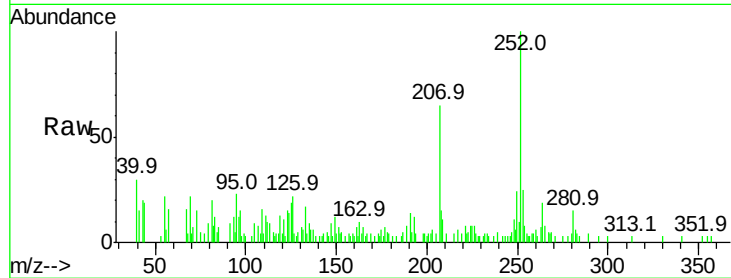
Tot Ion:252 Resp: 15266

Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.0

125 19.0 8.2 12.2#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

