

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021967.D
 Acq On : 19 May 2016 17:28
 Operator : UM/SJ
 Sample : H3092-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:47:52 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	8.16	152	38571	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	197558	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	109270	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	208825	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	176785	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	171726	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	1905	2.27	ng/uL	0.00
3) Phenol-d5	7.32	99	38007	11.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	23620	13.02	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	37182	13.30	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	20428	6.73	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	18563	13.39	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	19922	13.47	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	33886	12.96	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	19635	9.54	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	124757	14.81	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	167505	15.44	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	4102	2.77	ng/ul	0.02
21) Fluorene-d10	15.78	176	111921	14.76	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	9355	9.03	ng/ul	0.00
26) Anthracene-d10	17.63	188	148297	15.41	ng/ul	0.00
30) Pyrene-d10	19.90	212	156379	16.77	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	120788	15.84	ng/ul	0.00

Target Compounds

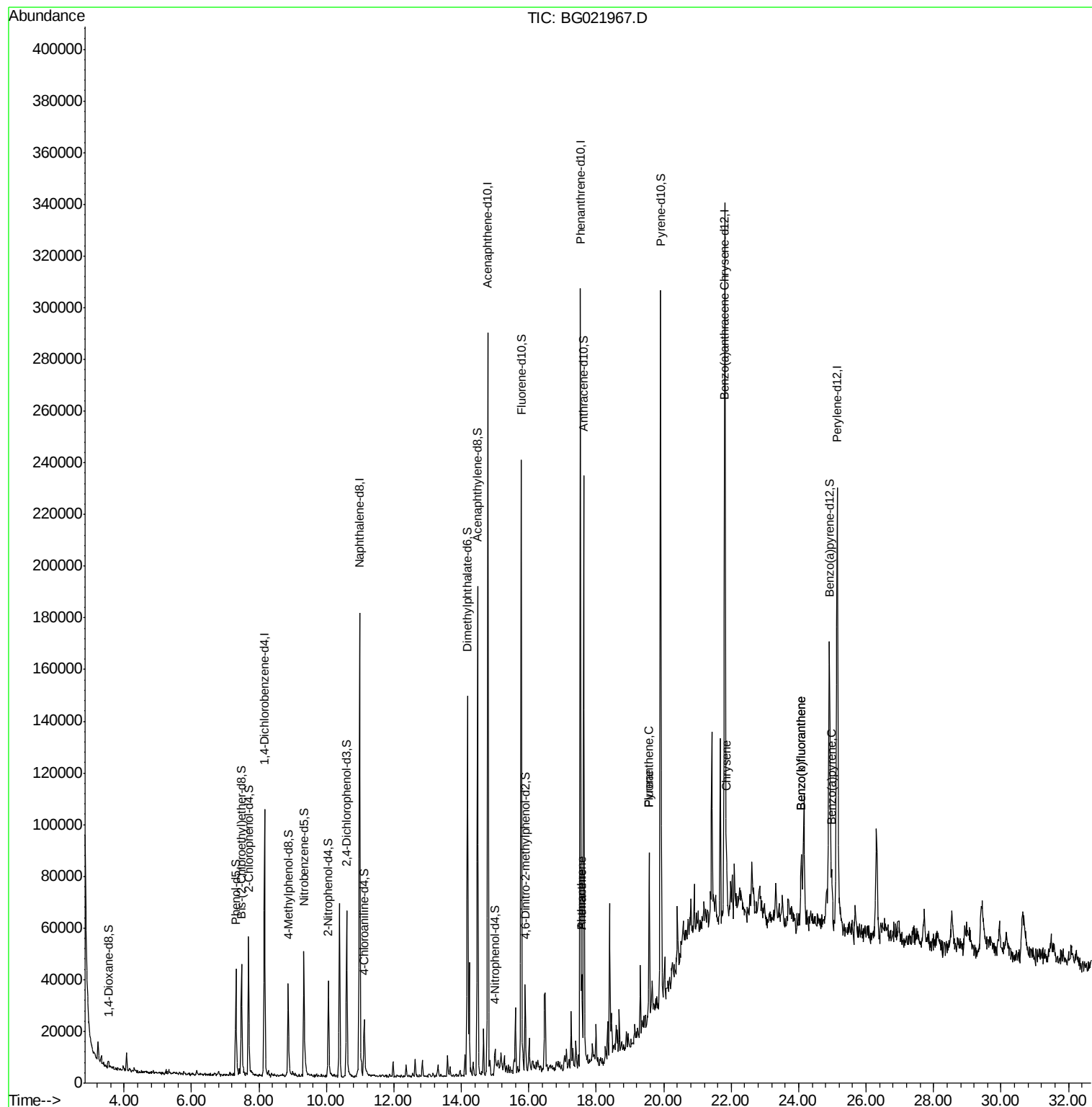
					Ovalue	
25) Phenanthrene	17.57	178	20818	1.87	ng/ul#	92
27) Anthracene	17.57	178	20818	1.86	ng/ul	95
28) Fluoranthene	19.57	202	38605	3.33	ng/ul#	94
31) Pyrene	19.57	202	38605	3.17	ng/ul	96
32) Benzo(a)anthracene	21.79	228	18499	1.89	ng/ul#	91
33) Chrysene	21.86	228	20201	2.12	ng/ul	92
35) Benzo(b)fluoranthene	24.08	252	26466	2.68	ng/ul#	95
36) Benzo(k)fluoranthene	24.08	252	26466	2.73	ng/ul#	94
38) Benzo(a)pyrene	24.98	252	18110	1.92	ng/ul#	85

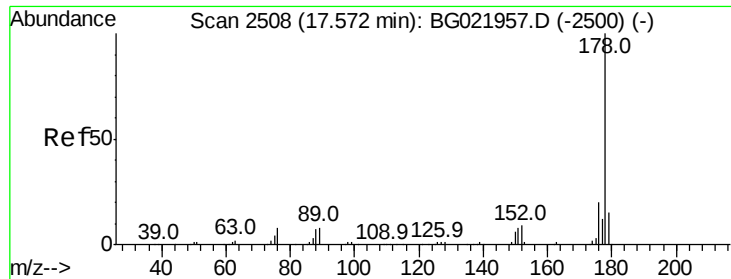
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 20 05:44:47 2016
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#25

Phenanthrene

Concen: 1.87 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG021967.D

Acq: 19 May 2016 17:28

Instrument :

BNA_G

ClientSampleId :

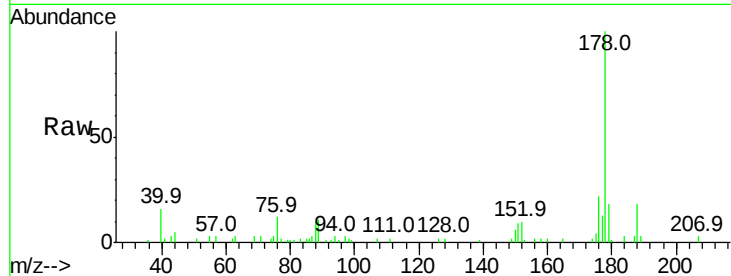
Tot Ion:178 Resp: 20818

Ion Ratio Lower Upper

178 100

179 17.8 11.8 17.8#

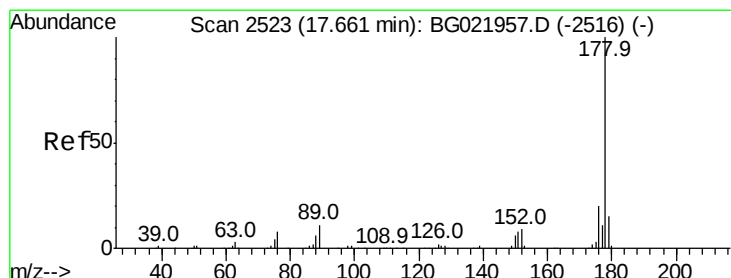
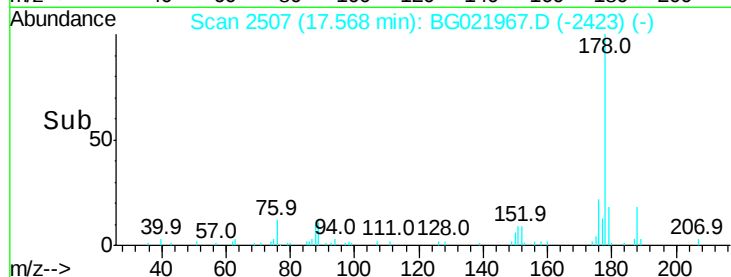
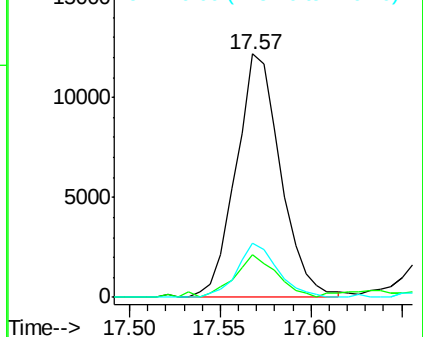
176 22.0 14.8 22.2



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: 1.86 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.09 min

Lab File: BG021967.D

Acq: 19 May 2016 17:28

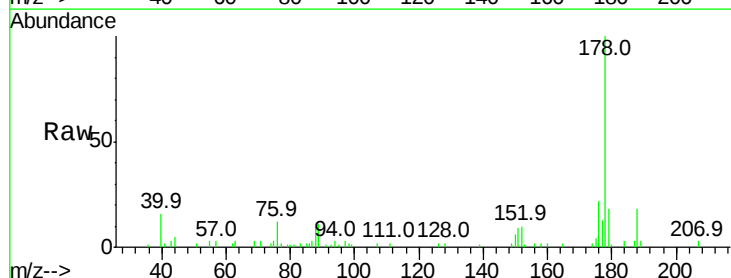
Tgt Ion:178 Resp: 20818

Ion Ratio Lower Upper

178 100

179 17.8 12.9 19.3

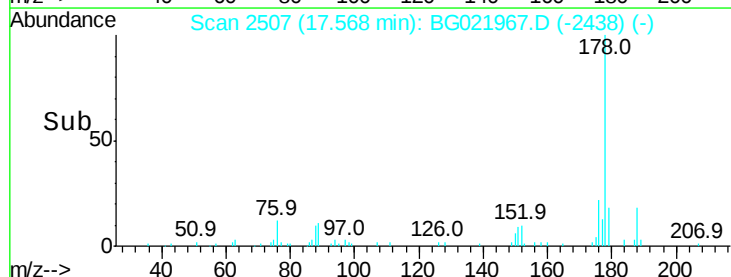
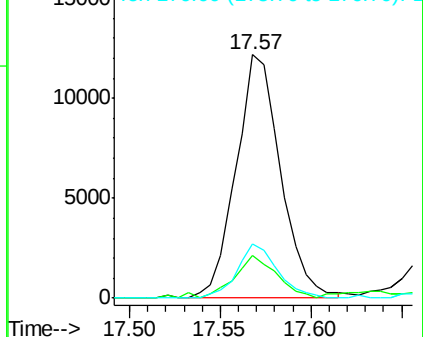
176 22.0 15.6 23.4

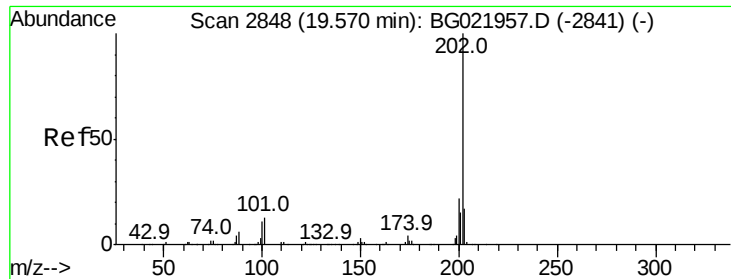


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 3.33 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BG021967.D

Acq: 19 May 2016 17:28

Instrument :

BNA_G

ClientSampleId :

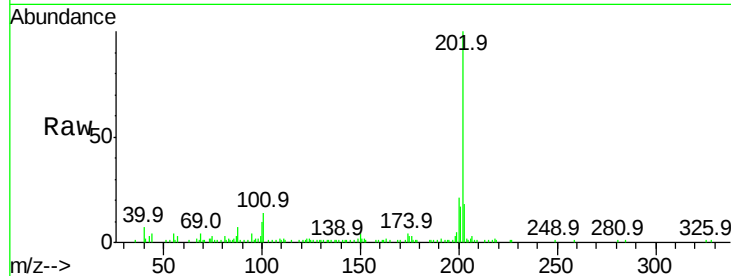
Tot Ion:202 Resp: 38605

Ion Ratio Lower Upper

202 100

101 14.1 8.9 13.3#

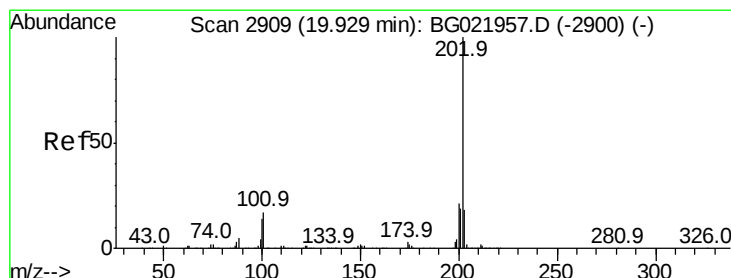
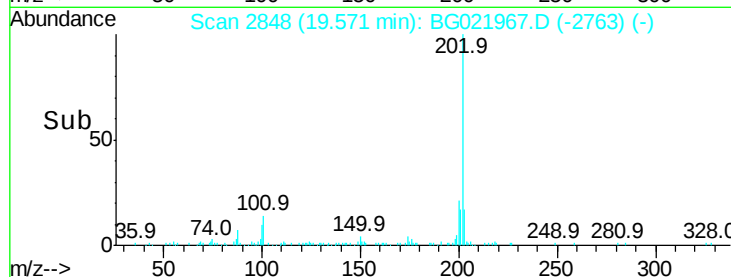
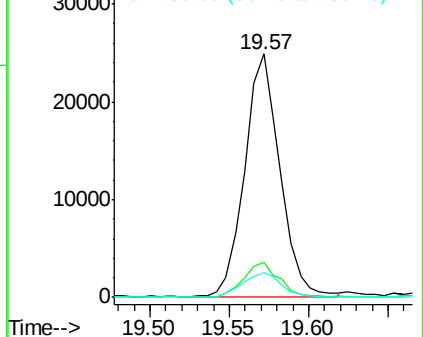
100 10.2 7.0 10.4



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

Pyrene

Concen: 3.17 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.36 min

Lab File: BG021967.D

Acq: 19 May 2016 17:28

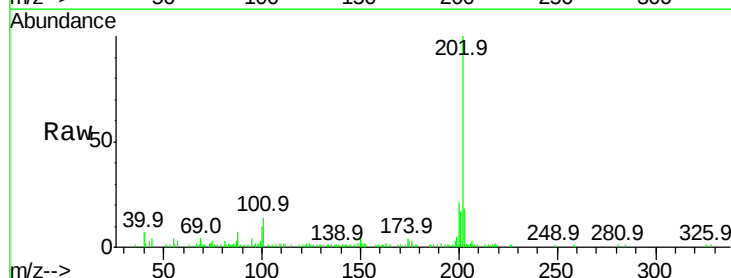
Tgt Ion:202 Resp: 38605

Ion Ratio Lower Upper

202 100

101 14.1 9.8 14.8

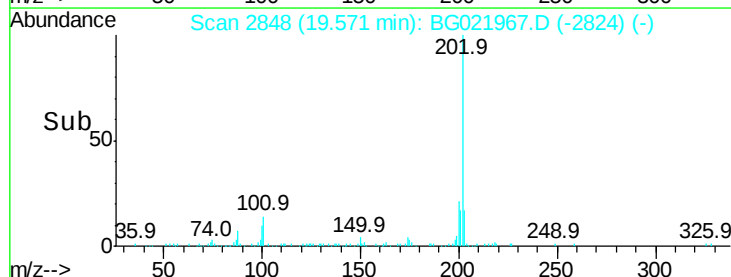
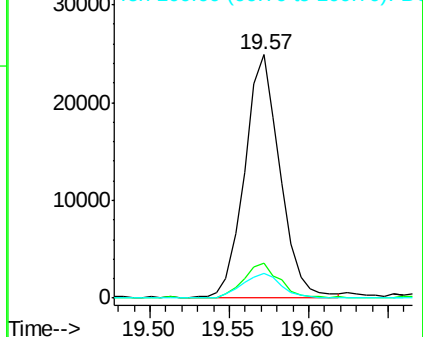
100 10.2 9.3 13.9

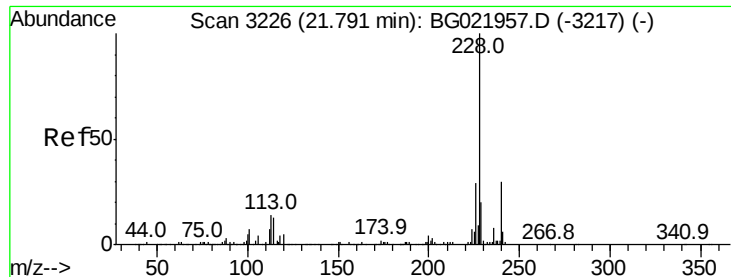


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 1.89 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BG021967.D

Acq: 19 May 2016 17:28

Instrument :

BNA_G

ClientSampleId :

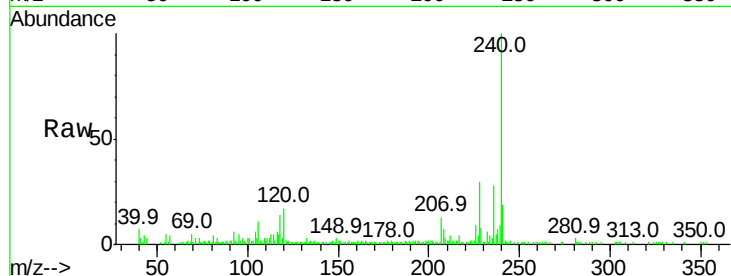
Tot Ion:228 Resp: 18499

Ion Ratio Lower Upper

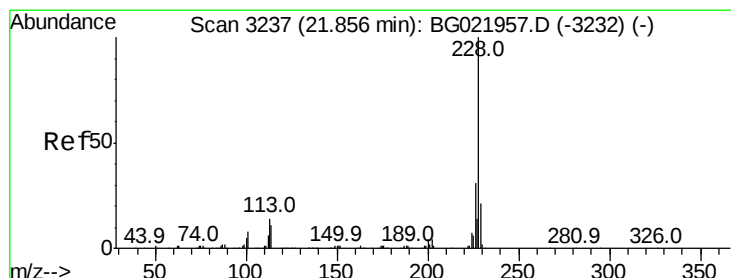
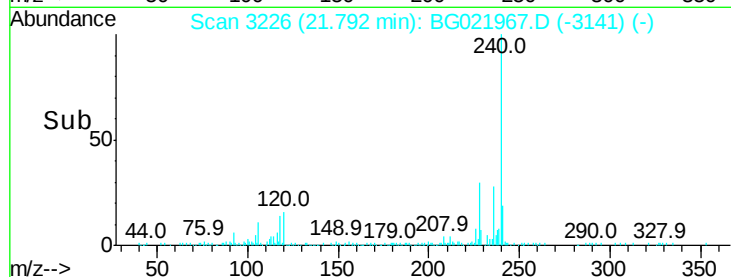
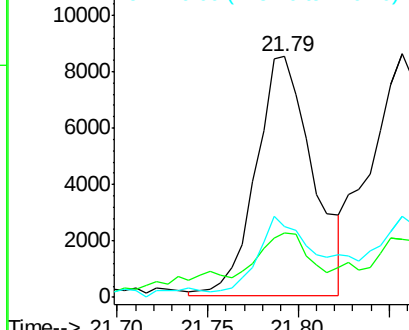
228 100

229 26.9 16.6 25.0#

226 29.5 21.0 31.4



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



#33

Chrysene

Concen: 2.12 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.00 min

Lab File: BG021967.D

Acq: 19 May 2016 17:28

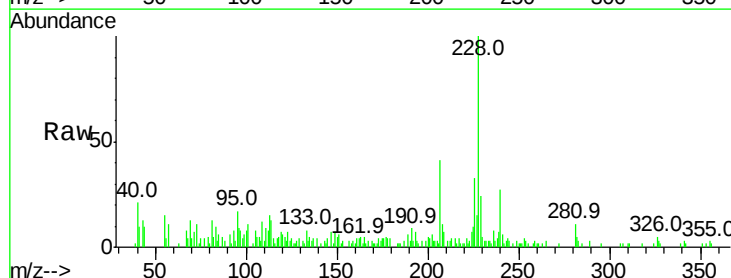
Tgt Ion:228 Resp: 20201

Ion Ratio Lower Upper

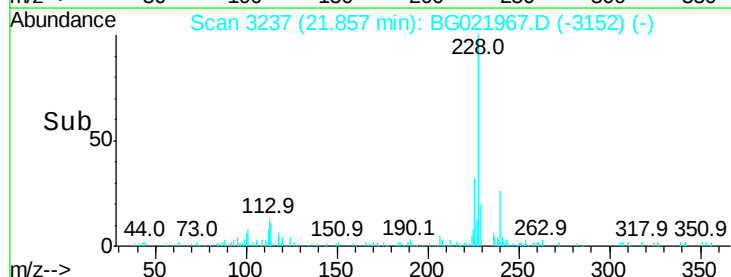
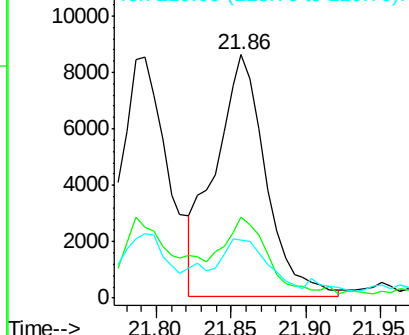
228 100

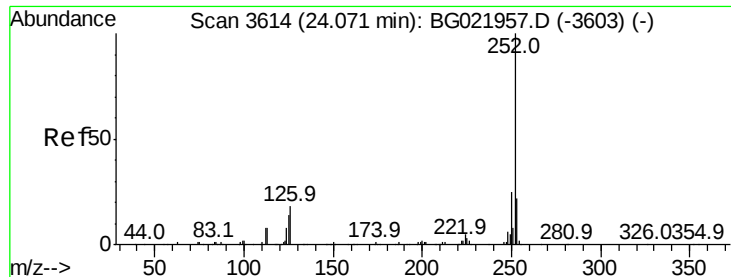
226 33.4 23.4 35.2

229 24.1 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

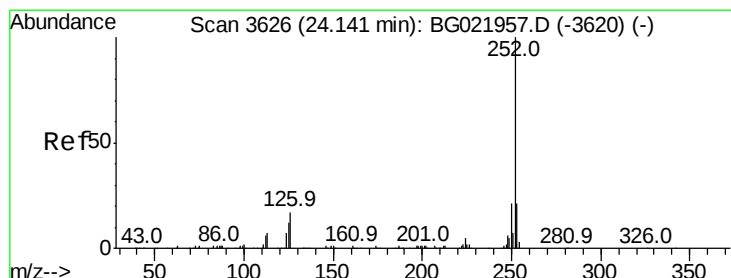
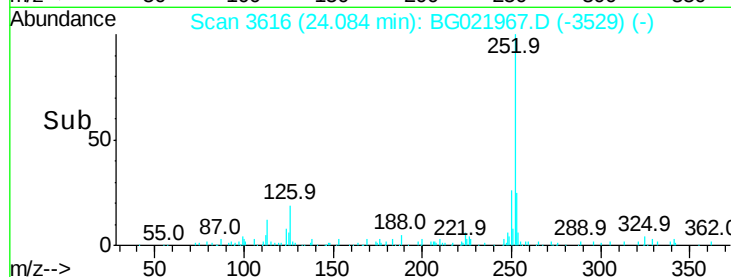
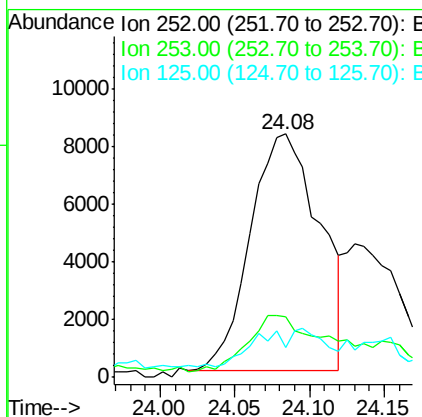
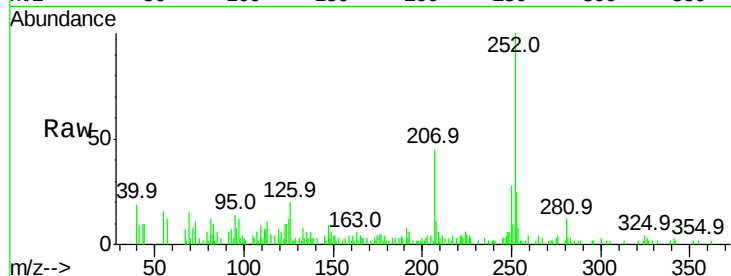




#35
Benzo(b)fluoranthene
Concen: 2.68 ng/ul
RT: 24.08 min Scan# 3616
Delta R.T. 0.01 min
Lab File: BG021967.D
Acq: 19 May 2016 17:28

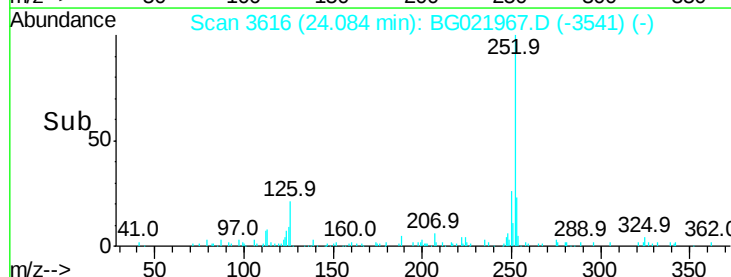
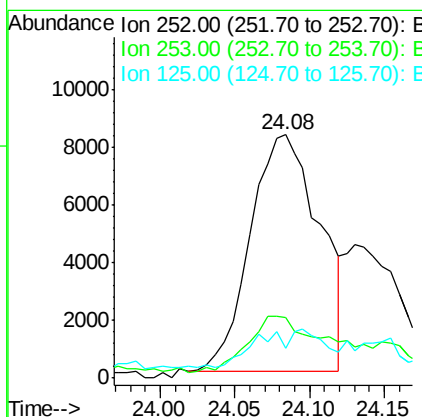
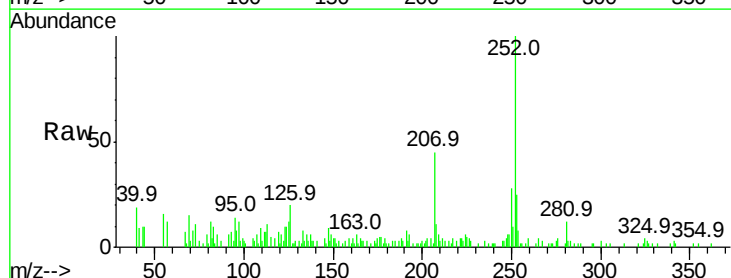
Instrument :
BNA_G
ClientSampleId :

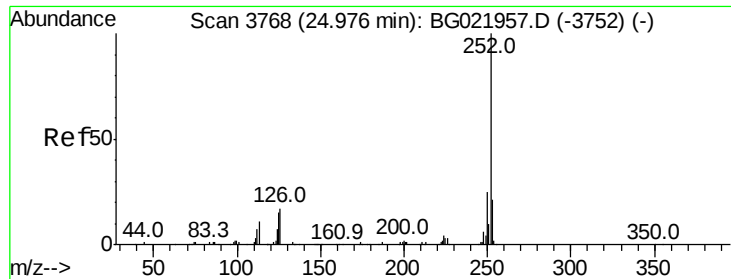
Tot Ion:252 Resp: 26466
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 12.1 7.6 11.4#



#36
Benzo(k)fluoranthene
Concen: 2.73 ng/ul
RT: 24.08 min Scan# 3616
Delta R.T. -0.06 min
Lab File: BG021967.D
Acq: 19 May 2016 17:28

Tgt Ion:252 Resp: 26466
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 12.1 7.7 11.5#





#38

Benzo(a)pyrene

Concen: 1.92 ng/ul

RT: 24.98 min Scan# 3769

Delta R.T. 0.01 min

Lab File: BG021967.D

Acq: 19 May 2016 17:28

Instrument :

BNA_G

ClientSampleId :

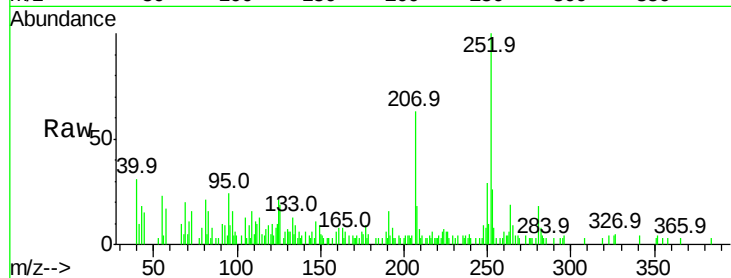
Tot Ion: 252 Resp: 18110

Ion Ratio Lower Upper

252 100

253 25.8 17.4 26.0

125 21.0 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

