

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021961.D
 Acq On : 19 May 2016 13:31
 Operator : UM/SJ
 Sample : H3092-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:46:46 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	35867	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	181118	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	103023	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.52	188	211048	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	189703	20.00	ng/ul	0.00
34) Perylene-d12	25.13	264	176652	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.55	96	1819	2.33	ng/uL	0.00
3) Phenol-d5	7.31	99	40840	12.90	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	23639	14.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	37579	14.45	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	24056	8.53	ng/ul	0.00
8) Nitrobenzene-d5	9.47	128	62	0.05	ng/ul	0.14
9) 2-Nitrophenol-d4	10.06	143	19526	14.40	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	34100	14.23	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	13541	7.17	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	128228	16.14	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	173833	16.99	ng/ul	0.00
20) 4-Nitrophenol-d4	14.99	143	4278	3.06	ng/ul	0.02
21) Fluorene-d10	15.77	176	116340	16.27	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.88	200	9286	8.87	ng/ul	0.00
26) Anthracene-d10	17.62	188	164166	16.88	ng/ul	0.00
30) Pyrene-d10	19.90	212	171793	17.16	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	135197	17.23	ng/ul	0.00

Target Compounds

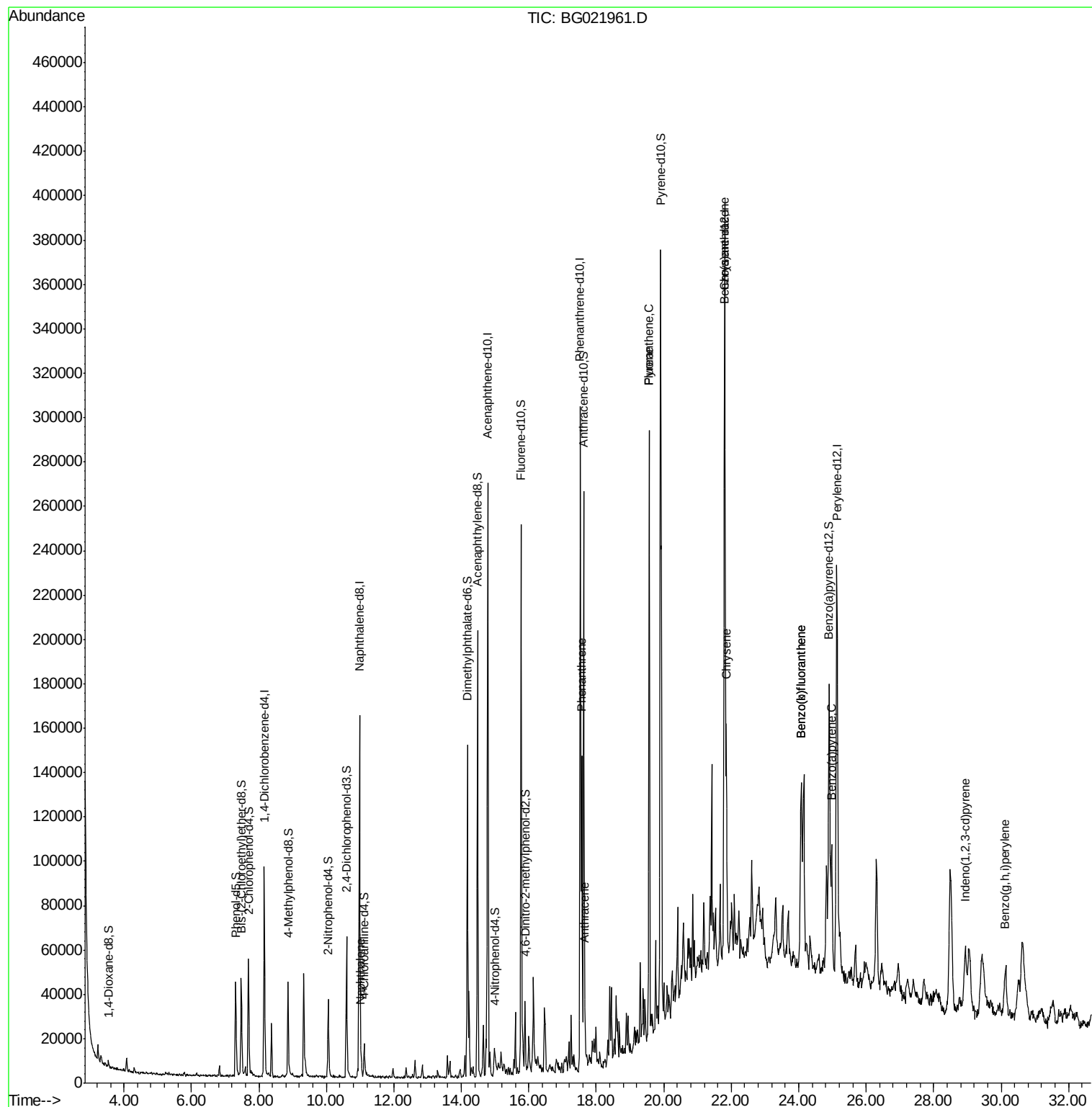
						Ovalue
11) Naphthalene	11.02	128	11837	1.34	ng/ul	98
25) Phenanthrene	17.57	178	100203	8.88	ng/ul	97
27) Anthracene	17.66	178	16939	1.49	ng/ul	98
28) Fluoranthene	19.57	202	174479	14.88	ng/ul#	95
31) Pyrene	19.57	202	174479	13.36	ng/ul	98
32) Benzo(a)anthracene	21.79	228	75802	7.20	ng/ul	97
33) Chrysene	21.85	228	71104	6.95	ng/ul	95
35) Benzo(b)fluoranthene	24.07	252	97116	9.56	ng/ul#	93
36) Benzo(k)fluoranthene	24.07	252	97116	9.72	ng/ul#	93
38) Benzo(a)pyrene	24.97	252	58633	6.04	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	28.94	276	41766	3.78	ng/ul#	92
41) Benzo(g,h,i)perylene	30.11	276	15937	1.71	ng/ul#	88

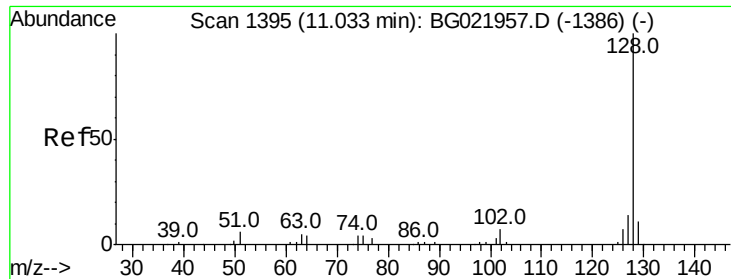
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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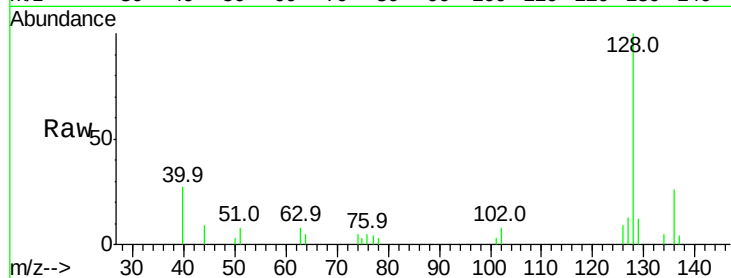




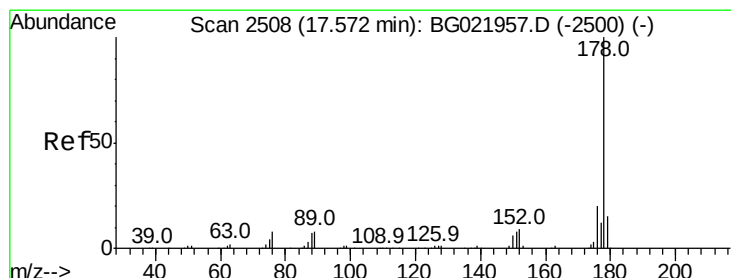
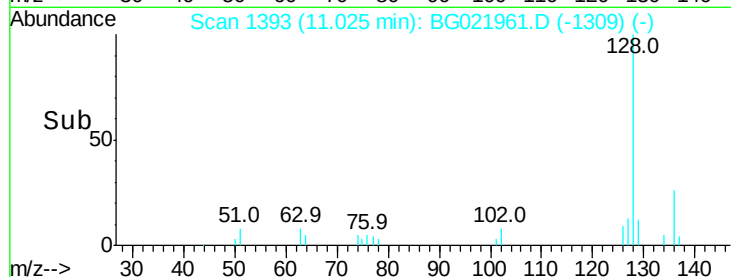
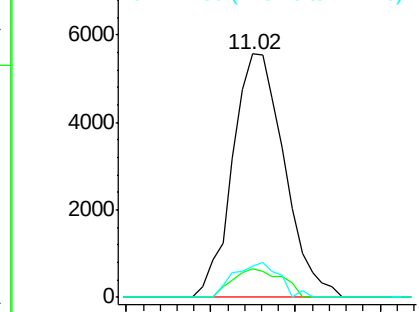
#11
Naphthalene
Concen: 1.34 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG021961.D
Acq: 19 May 2016 13:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 11837
Ion Ratio Lower Upper
128 100
129 11.5 8.3 12.5
127 12.9 10.8 16.2

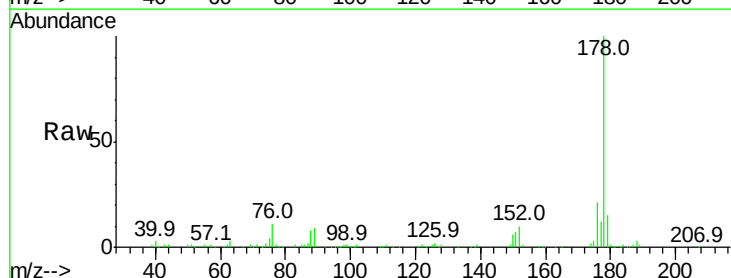


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

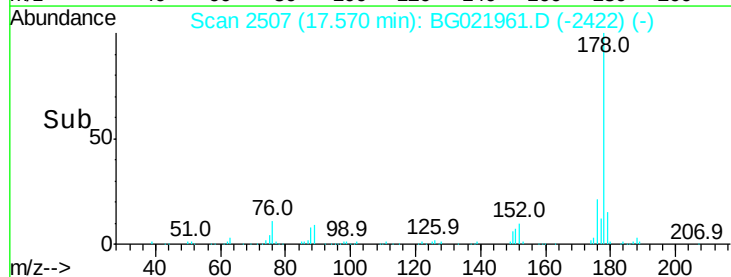
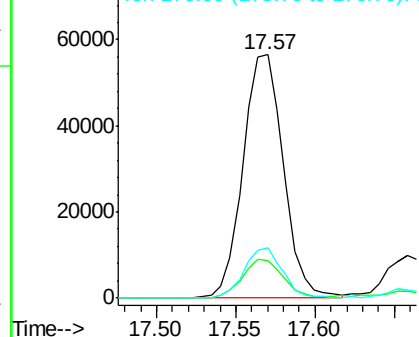


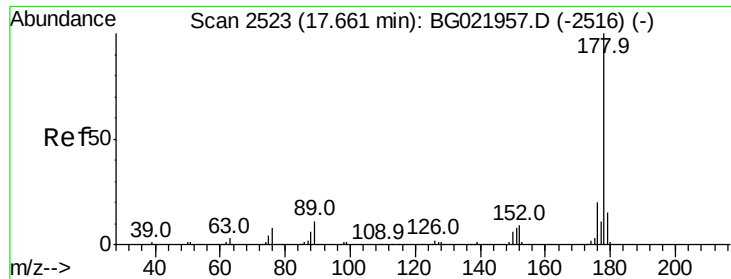
#25
Phenanthrene
Concen: 8.88 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.00 min
Lab File: BG021961.D
Acq: 19 May 2016 13:31

Tgt Ion:178 Resp: 100203
Ion Ratio Lower Upper
178 100
179 15.2 11.8 17.8
176 20.7 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

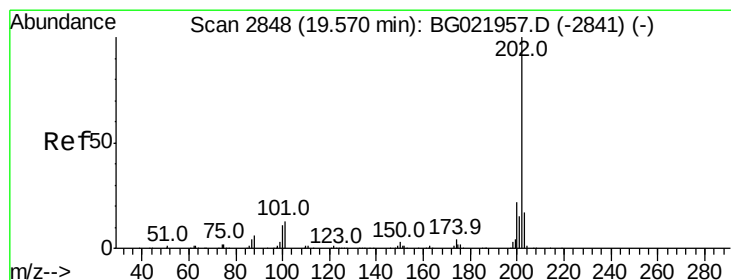
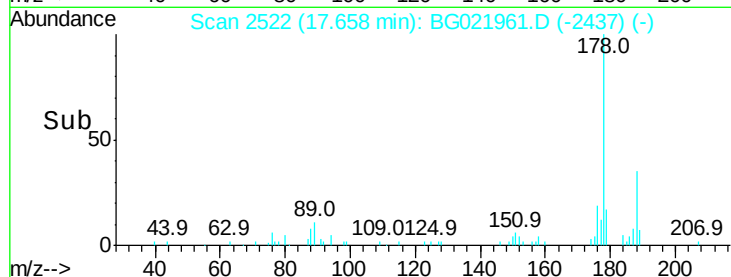
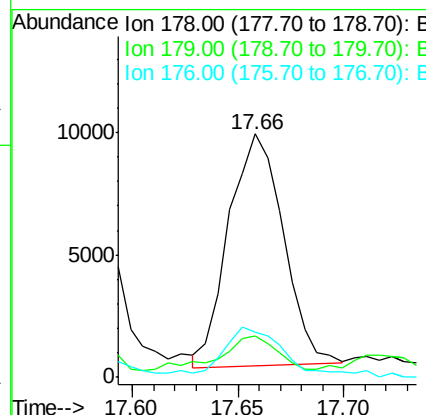
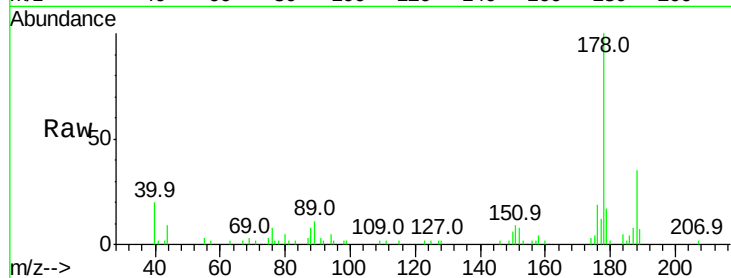




#27
 Anthracene
 Concen: 1.49 ng/ul
 RT: 17.66 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: BG021961.D
 Acq: 19 May 2016 13:31

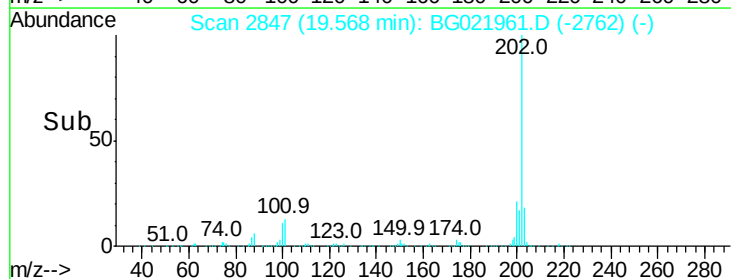
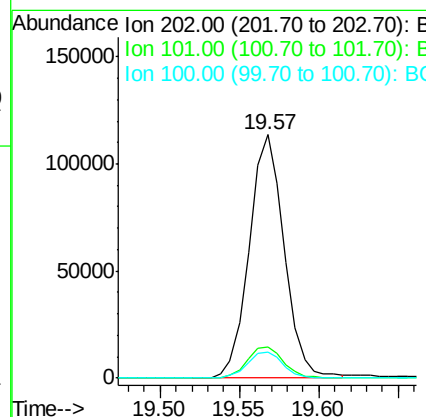
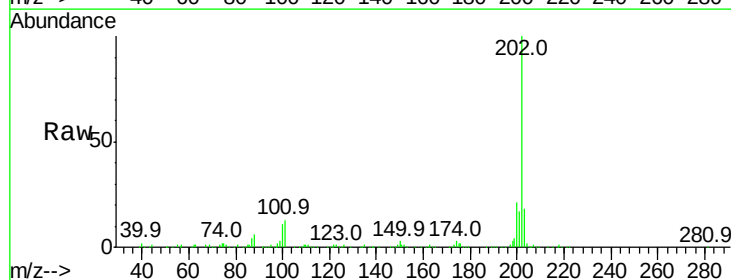
Instrument :
 BNA_G
 ClientSampled :

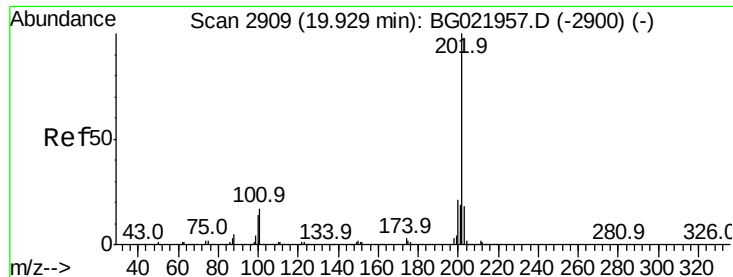
Tot Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.9	19.3
176	18.8	15.6	23.4



#28
 Fluoranthene
 Concen: 14.88 ng/ul
 RT: 19.57 min Scan# 2847
 Delta R.T. -0.00 min
 Lab File: BG021961.D
 Acq: 19 May 2016 13:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	8.9	13.3
100	10.7	7.0	10.4





#31

Pvrene

Concen: 13.36 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. -0.36 min

Lab File: BG021961.D

Acq: 19 May 2016 13:31

Instrument :

BNA_G

ClientSampleId :

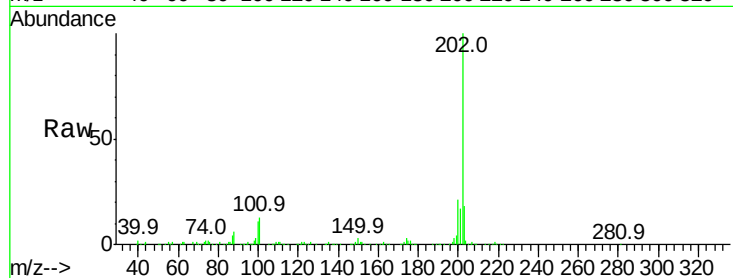
Tot Ion:202 Resp: 174479

Ion Ratio Lower Upper

202 100

101 13.0 9.8 14.8

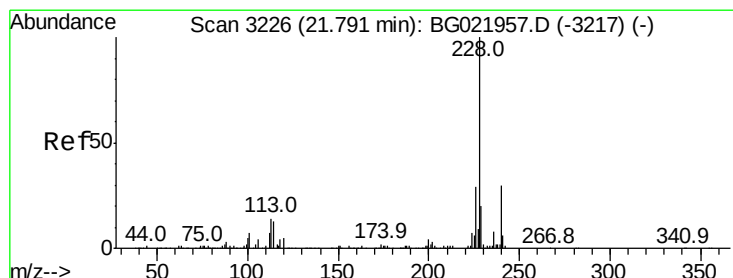
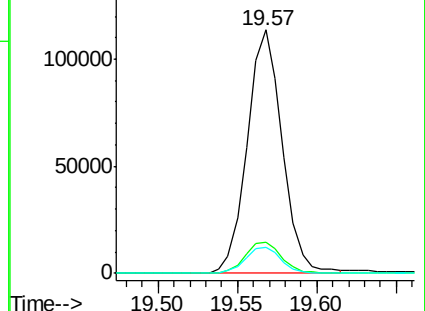
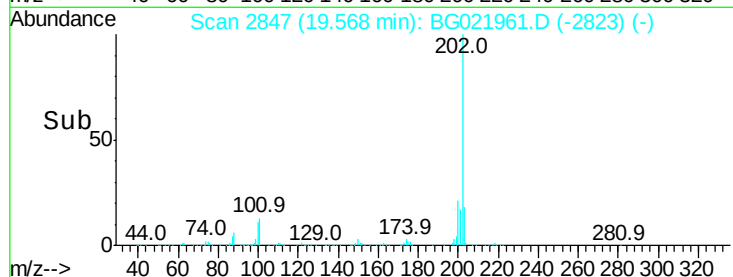
100 10.7 9.3 13.9



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): E



#32

Benzo(a)anthracene

Concen: 7.20 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG021961.D

Acq: 19 May 2016 13:31

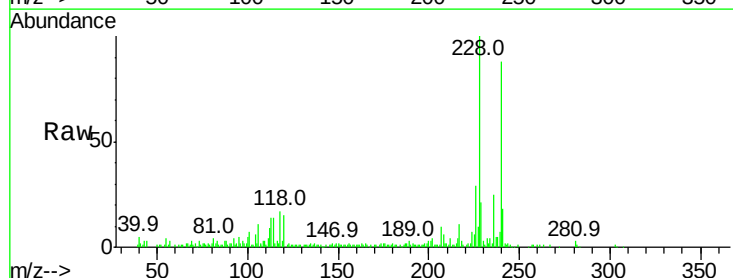
Tgt Ion:228 Resp: 75802

Ion Ratio Lower Upper

228 100

229 21.3 16.6 25.0

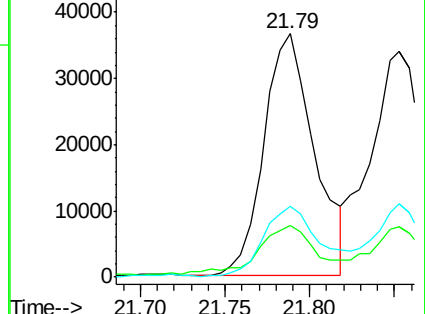
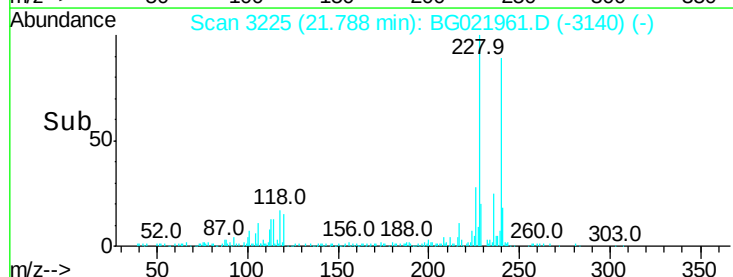
226 28.9 21.0 31.4

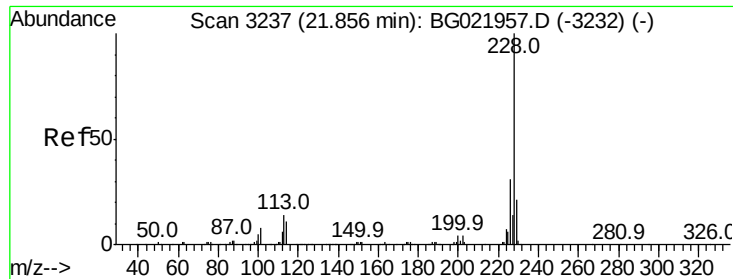


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 6.95 ng/ul

RT: 21.85 min Scan# 3236

Delta R.T. -0.00 min

Lab File: BG021961.D

Acq: 19 May 2016 13:31

Instrument :

BNA_G

ClientSampleId :

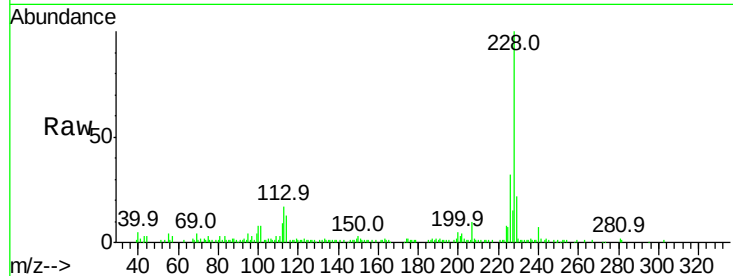
Tot Ion:228 Resp: 71104

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.2

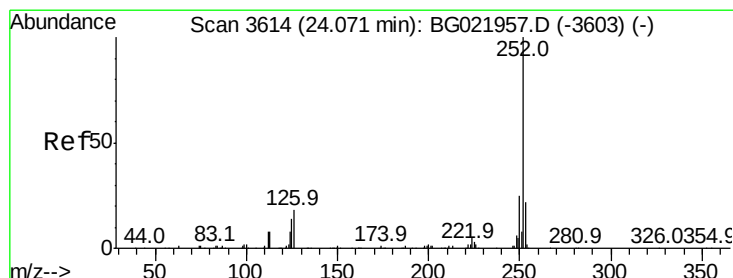
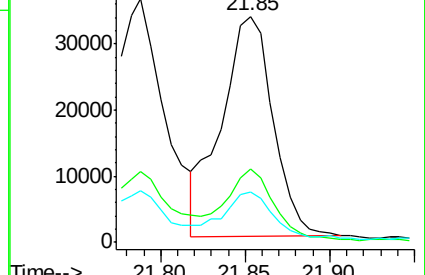
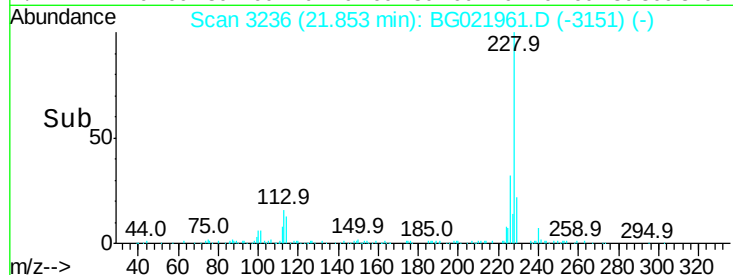
229 22.5 16.2 24.2



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: 9.56 ng/ul

RT: 24.07 min Scan# 3613

Delta R.T. -0.00 min

Lab File: BG021961.D

Acq: 19 May 2016 13:31

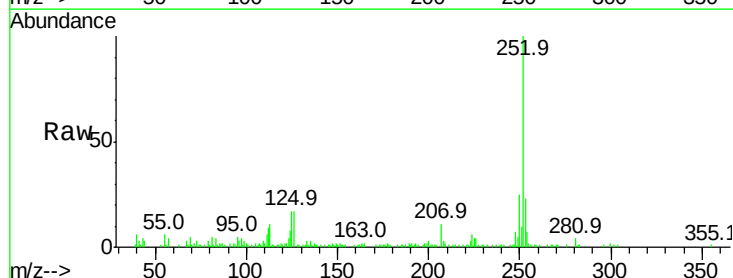
Tgt Ion:252 Resp: 97116

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

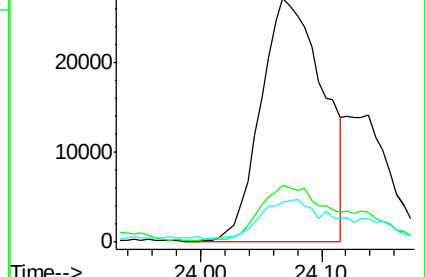
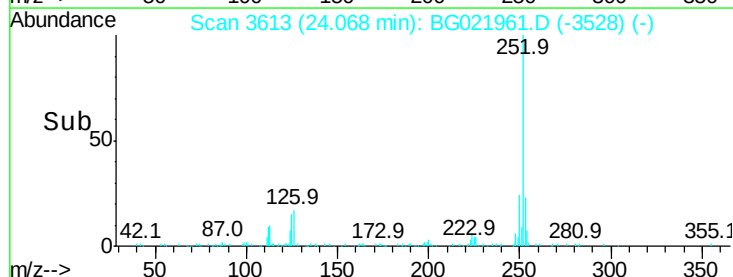
125 16.6 7.6 11.4#

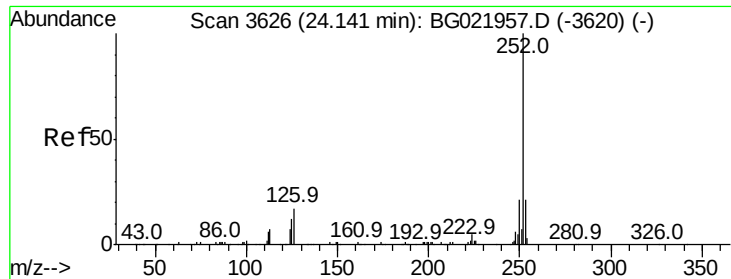


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

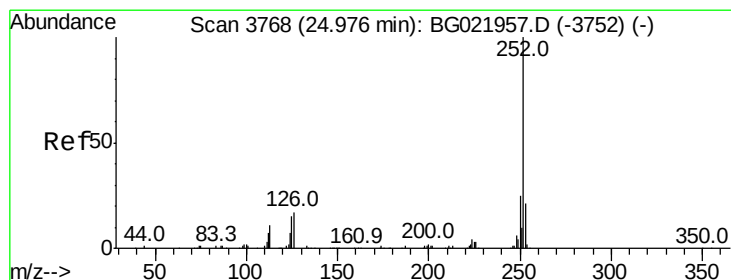
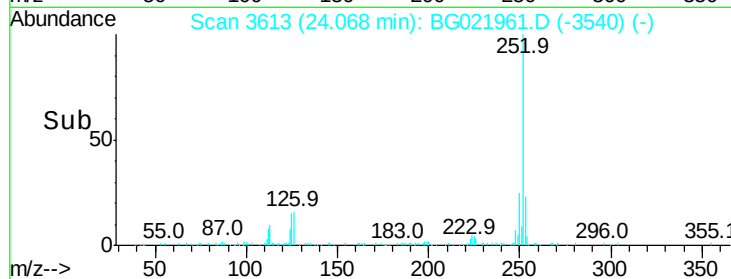
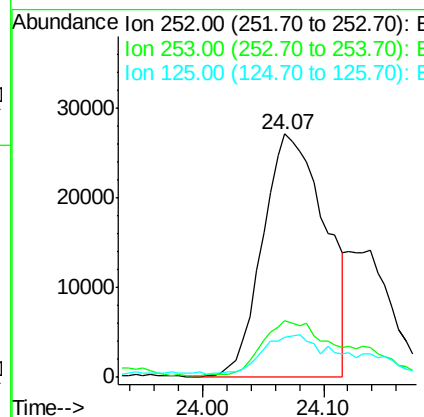
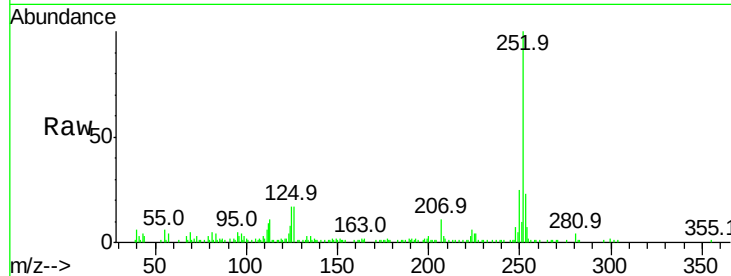




#36
Benzo(k)fluoranthene
Concen: 9.72 ng/ul
RT: 24.07 min Scan# 3613
Delta R.T. -0.07 min
Lab File: BG021961.D
Acq: 19 May 2016 13:31

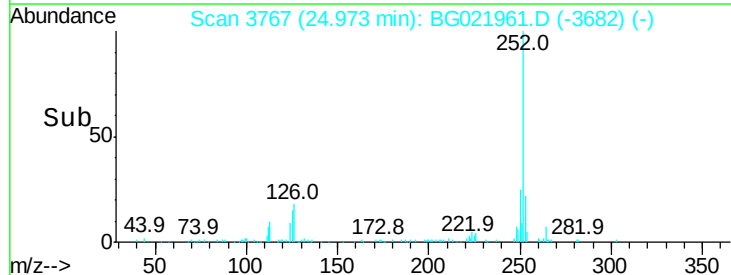
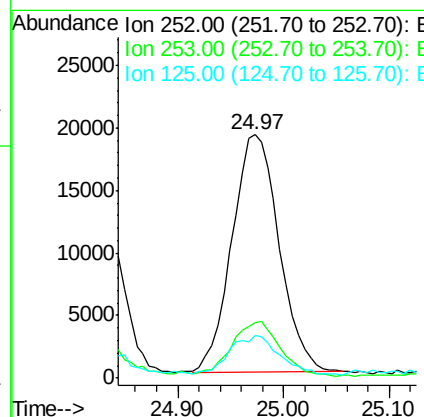
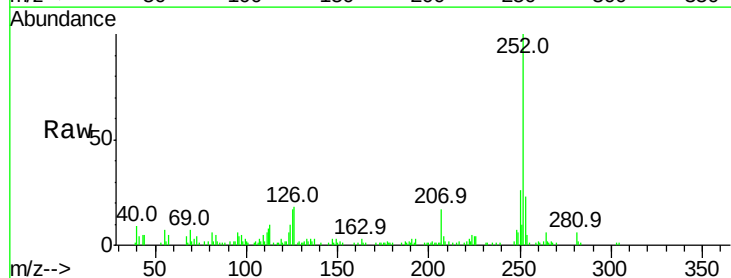
Instrument :
BNA_G
ClientSampleId :

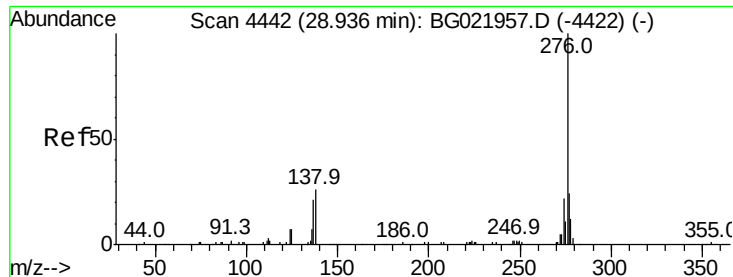
Tot Ion:252 Resp: 97116
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 16.6 7.7 11.5#



#38
Benzo(a)pyrene
Concen: 6.04 ng/ul
RT: 24.97 min Scan# 3767
Delta R.T. -0.00 min
Lab File: BG021961.D
Acq: 19 May 2016 13:31

Tgt Ion:252 Resp: 58633
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 17.3 8.2 12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.78 ng/ul

RT: 28.94 min Scan# 4442

Delta R.T. 0.00 min

Lab File: BG021961.D

Acq: 19 May 2016 13:31

Instrument :

BNA_G

ClientSampleId :

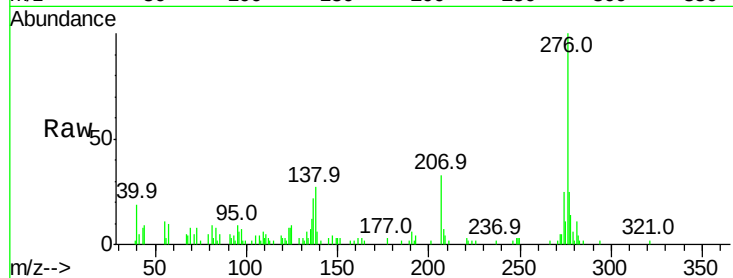
Tot Ion:276 Resp: 41766

Ion Ratio Lower Upper

276 100

138 26.8 15.8 23.6#

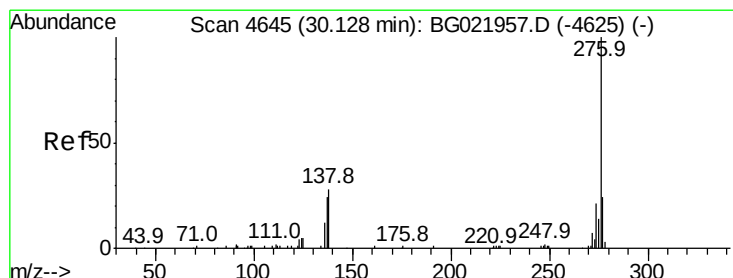
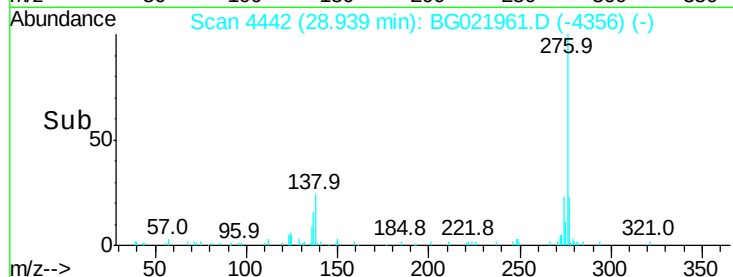
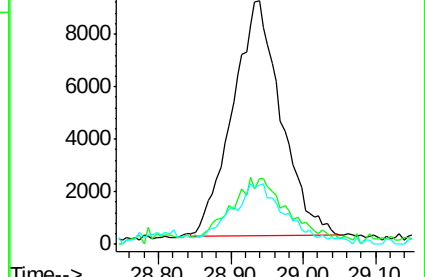
277 24.6 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#41

Benzo(g,h,i)perylene

Concen: 1.71 ng/ul

RT: 30.11 min Scan# 4641

Delta R.T. -0.02 min

Lab File: BG021961.D

Acq: 19 May 2016 13:31

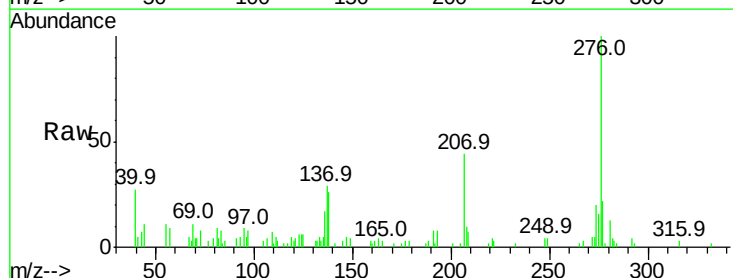
Tgt Ion:276 Resp: 15937

Ion Ratio Lower Upper

276 100

138 26.5 13.9 20.9#

277 21.8 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

