

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021954.D
 Acq On : 19 May 2016 5:18
 Operator : UM/SJ
 Sample : H3095-22DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8DL

Quant Time: May 19 06:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:59:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	28426	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	154520	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	94478	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	192807	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	170756	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	155293	20.00	ng/ul	0.00

System Monitoring Compounds

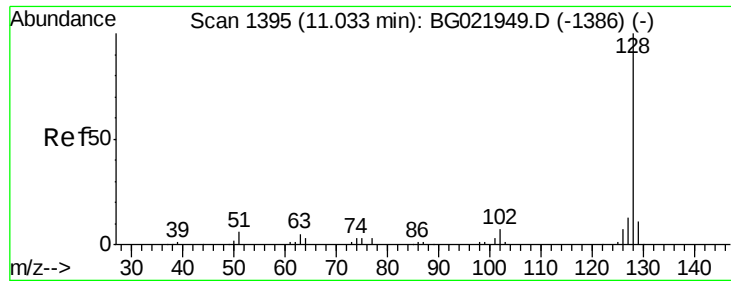
2) 1,4-Dioxane-d8	3.54	96	136	0.22	ng/uL	0.00
3) Phenol-d5	7.32	99	7792	3.10	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.49	67	3839	2.87	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	7993	3.88	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	4586	2.05	ng/ul	0.00
8) Nitrobenzene-d5	9.34	128	3379	3.12	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	3969	3.43	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	6675	3.27	ng/ul	0.00
12) 4-Chloroaniline-d4	11.13	131	2548	1.58	ng/ul	0.01
16) Dimethylphthalate-d6	14.18	166	29529	4.05	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	39848	4.25	ng/ul	0.00
20) 4-Nitrophenol-d4	15.07	143	187	0.15	ng/ul	0.08
21) Fluorene-d10	15.77	176	26725	4.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	1523	1.59	ng/ul	0.00
26) Anthracene-d10	17.53	188	192807	21.70	ng/ul	-0.10
30) Pyrene-d10	19.90	212	39360	4.37	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	32324	4.69	ng/ul	0.00

Target Compounds

						Ovalue
11) Naphthalene	11.03	128	19119	2.54	ng/ul#	92
19) Acenaphthene	14.85	153	25418	3.79	ng/ul	99
22) Fluorene	15.83	166	12533	1.69	ng/ul	99
25) Phenanthrene	17.57	178	292123	28.35	ng/ul	96
27) Anthracene	17.66	178	53685	5.18	ng/ul	99
28) Fluoranthene	19.57	202	473258	44.19	ng/ul#	93
31) Pyrene	19.57	202	473258	40.24	ng/ul	98
32) Benzo(a)anthracene	21.79	228	206845	21.84	ng/ul	98
33) Chrysene	21.86	228	194524	21.11	ng/ul	96
35) Benzo(b)fluoranthene	24.08	252	296300	33.19	ng/ul#	96
36) Benzo(k)fluoranthene	24.08	252	296300	33.74	ng/ul#	95
38) Benzo(a)pyrene	24.98	252	196070	22.97	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	28.94	276	160340	16.52	ng/ul#	92
41) Benzo(g,h,i)perylene	30.13	276	132861	16.18	ng/ul#	88

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

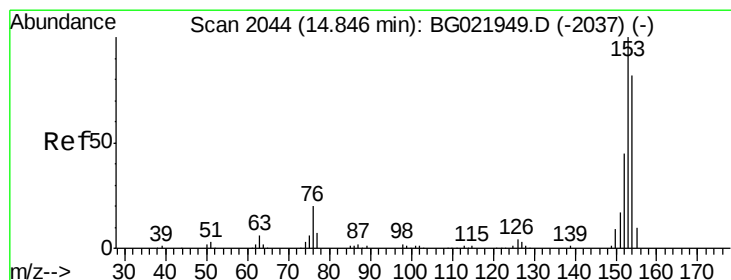
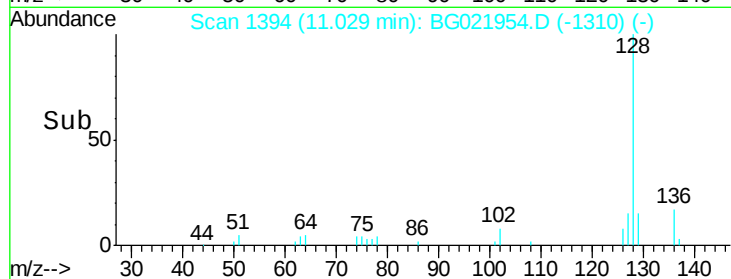
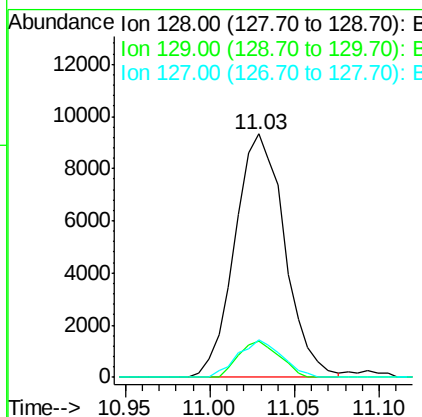
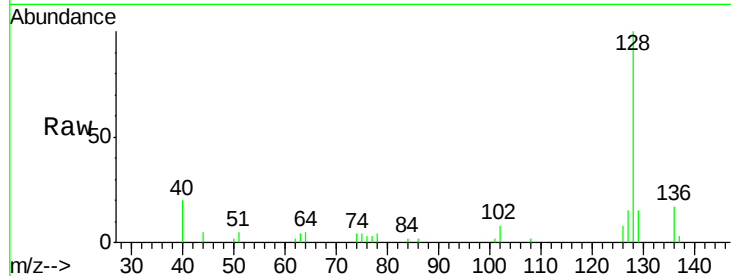
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Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\  
Data File : BG021954.D  
Acq On    : 19 May 2016    5:18  
Operator  : UM/SJ  
Sample    : H3095-22DL 5X  
Misc      :  
ALS Vial  : 20    Sample Multiplier: 1
```



#11
Naphthalene
Concen: 2.54 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

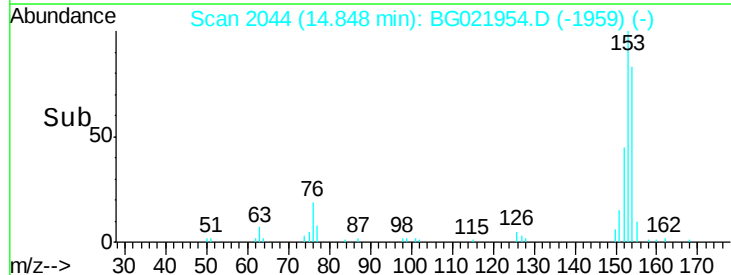
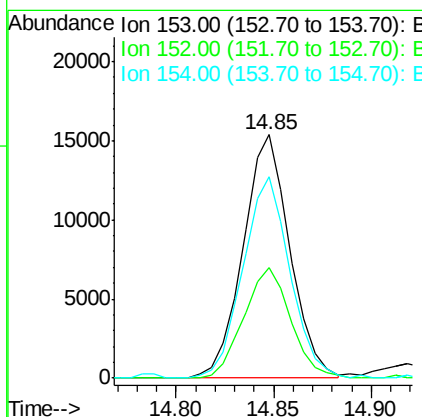
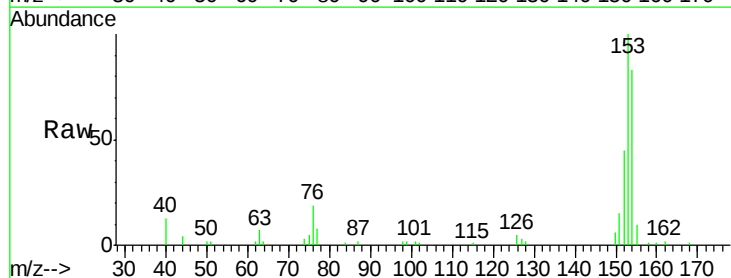
Instrument :
BNA_G
ClientSampleId :
D9XF8DL

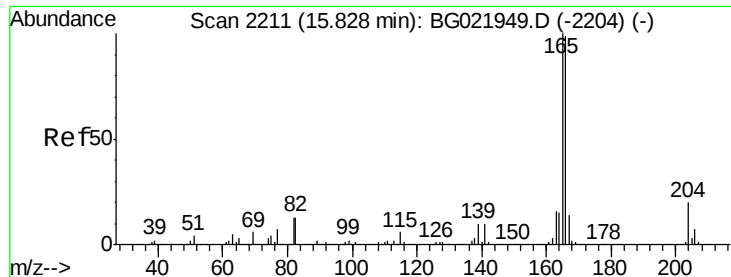
Tot Ion:128 Resp: 19119
Ion Ratio Lower Upper
128 100
129 14.9 8.3 12.5#
127 15.3 10.8 16.2



#19
Acenaphthene
Concen: 3.79 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Tgt Ion:153 Resp: 25418
Ion Ratio Lower Upper
153 100
152 45.5 36.5 54.7
154 82.8 67.3 100.9





#22

Fluorene

Concen: 1.69 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Instrument :

BNA_G

ClientSampleId :

D9XF8DL

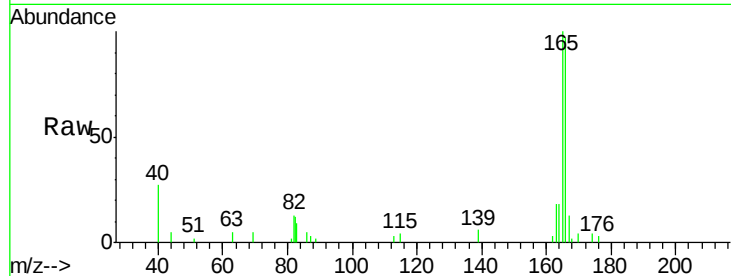
Tot Ion:166 Resp: 12533

Ion Ratio Lower Upper

166 100

165 102.7 81.1 121.7

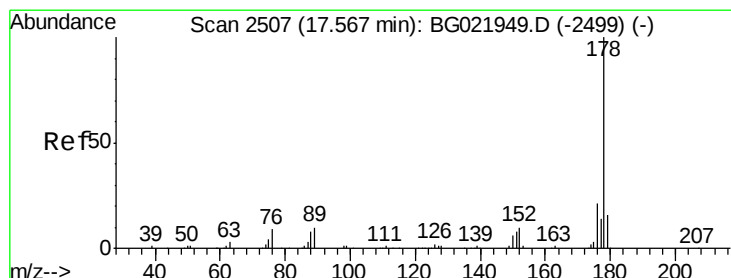
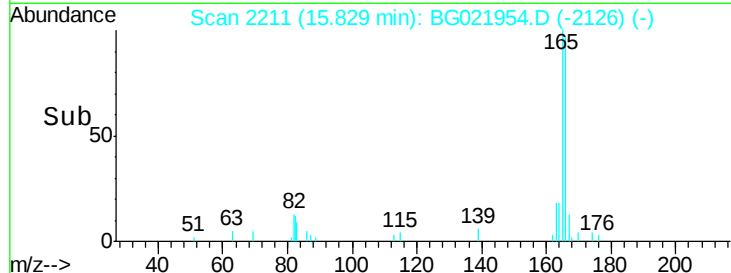
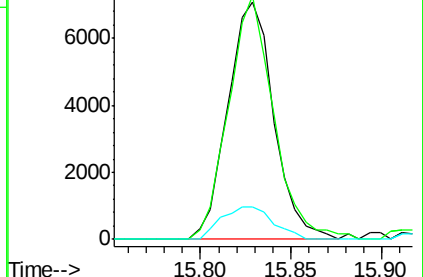
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#25

Phenanthrene

Concen: 28.35 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

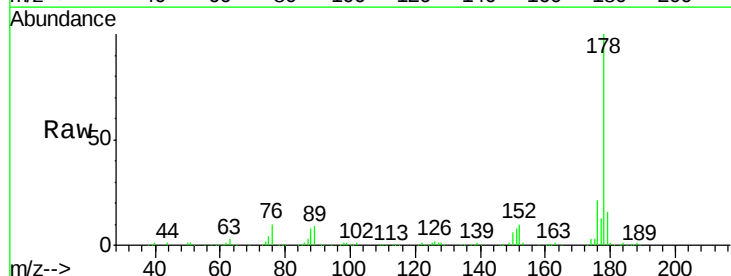
Tgt Ion:178 Resp: 292123

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

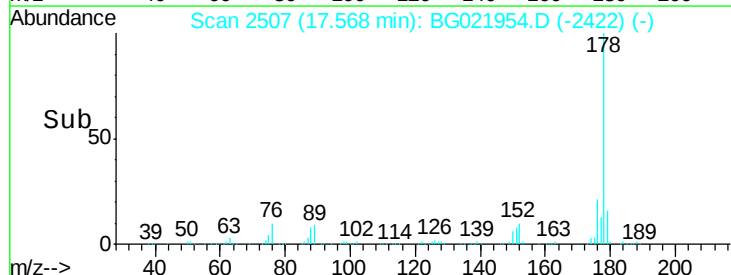
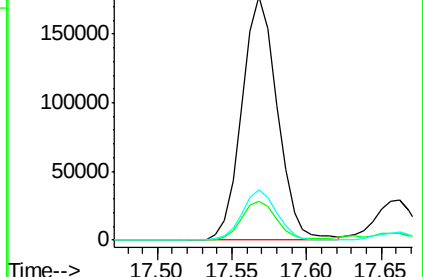
176 20.7 14.8 22.2

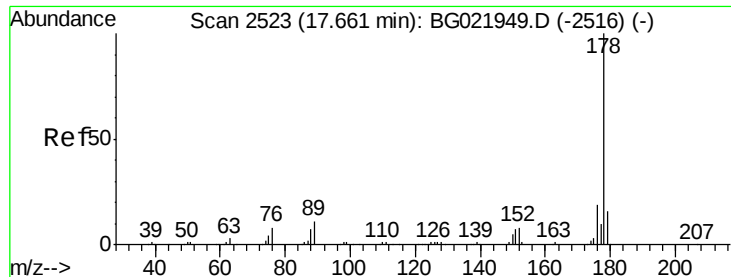


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

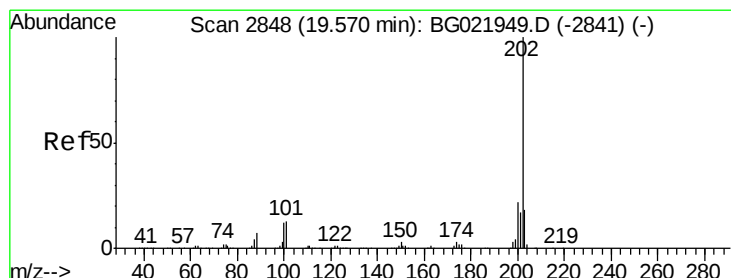
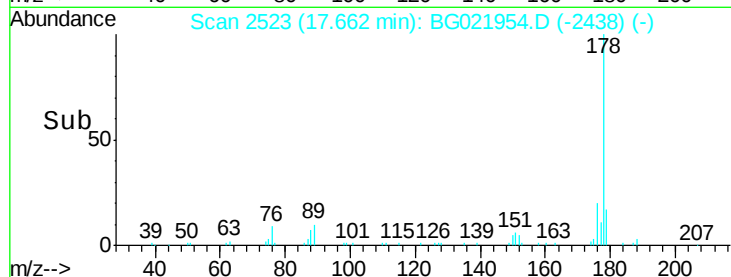
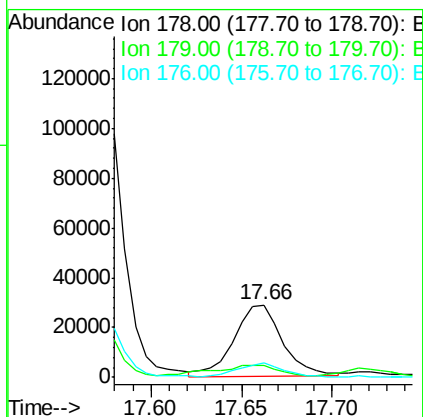
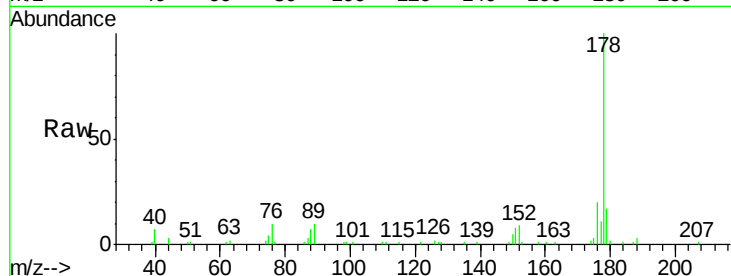




#27
 Anthracene
 Concen: 5.18 ng/ul
 RT: 17.66 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: BG021954.D
 Acq: 19 May 2016 5:18

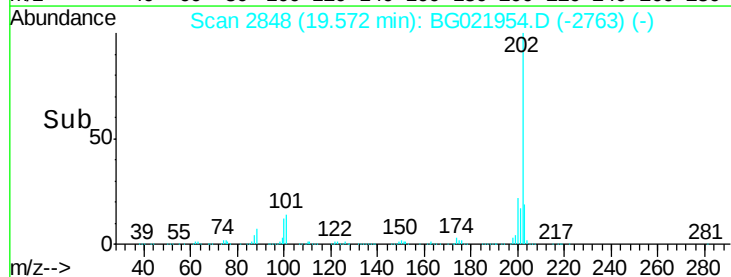
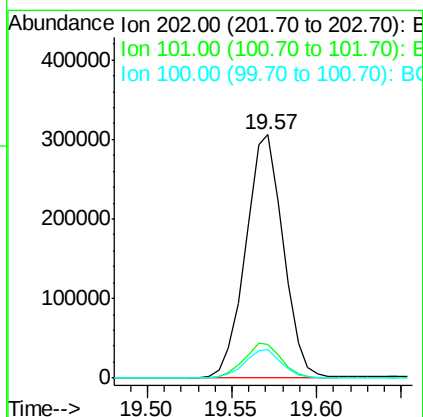
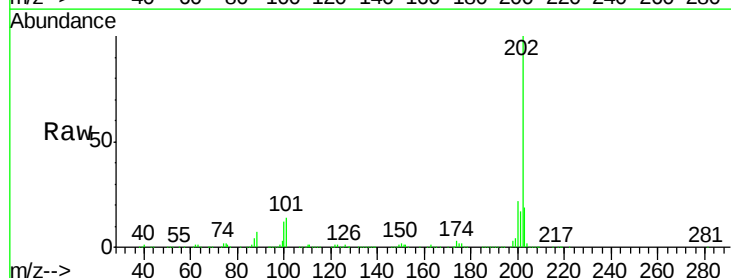
Instrument :
 BNA_G
 ClientSampleId :
 D9XF8DL

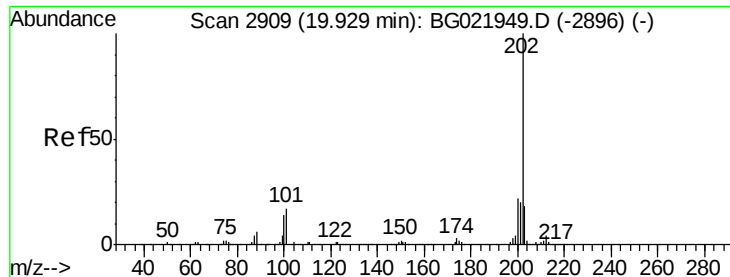
Tot Ion:178 Resp: 53685
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.9 19.3
 176 20.3 15.6 23.4



#28
 Fluoranthene
 Concen: 44.19 ng/ul
 RT: 19.57 min Scan# 2848
 Delta R.T. 0.00 min
 Lab File: BG021954.D
 Acq: 19 May 2016 5:18

Tgt Ion:202 Resp: 473258
 Ion Ratio Lower Upper
 202 100
 101 13.7 8.9 13.3#
 100 11.7 7.0 10.4#

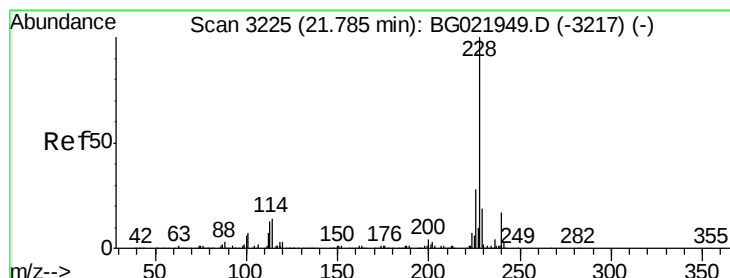
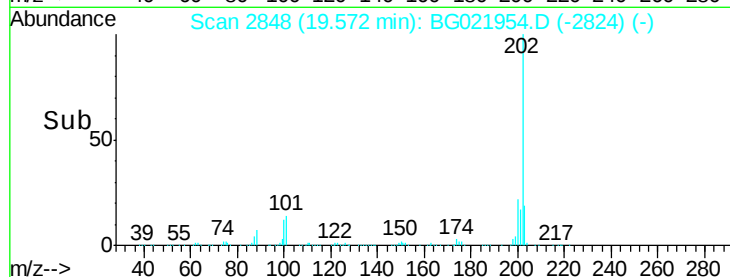
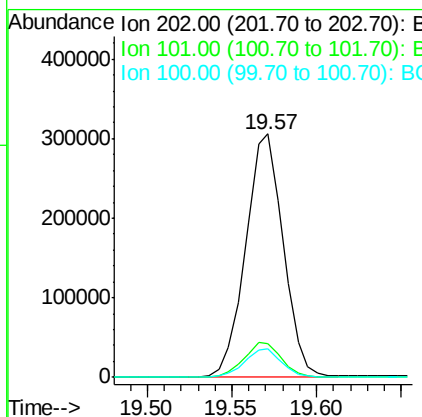
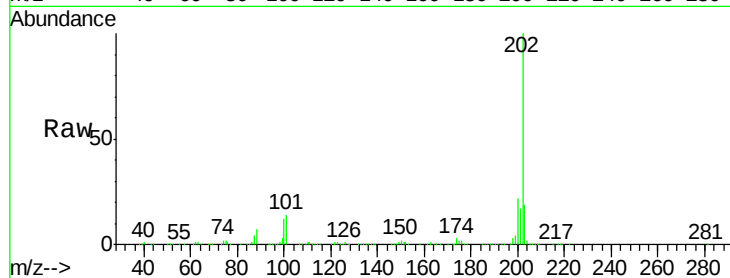




#31
 Pvrene
 Concen: 40.24 ng/ul
 RT: 19.57 min Scan# 2848
 Delta R.T. -0.36 min
 Lab File: BG021954.D
 Acq: 19 May 2016 5:18

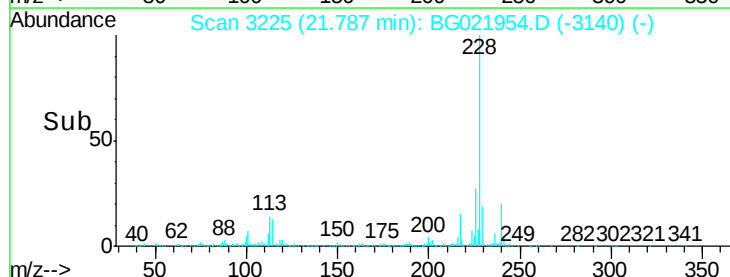
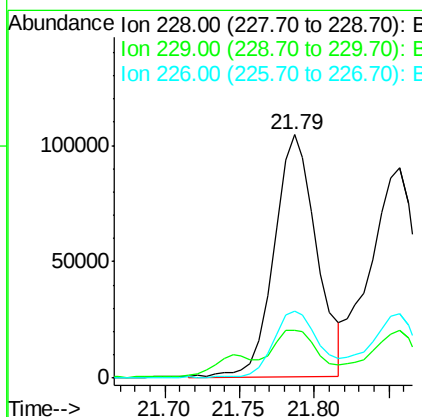
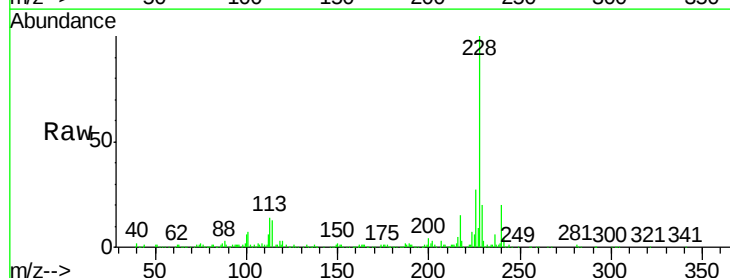
Instrument :
 BNA_G
 ClientSampleId :
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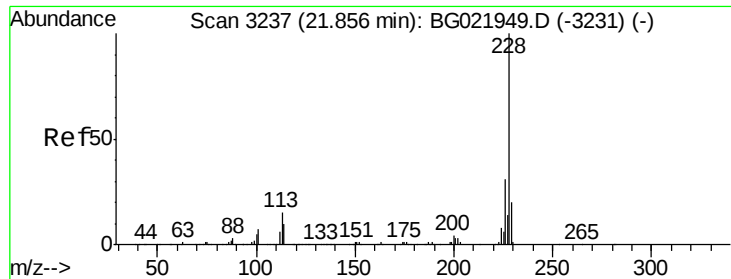
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.8	14.8
100	11.7	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 21.84 ng/ul
 RT: 21.79 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: BG021954.D
 Acq: 19 May 2016 5:18

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.6	25.0
226	27.4	21.0	31.4





#33

Chrysene

Concen: 21.11 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.00 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Instrument :

BNA_G

ClientSampleId :

D9XF8DL

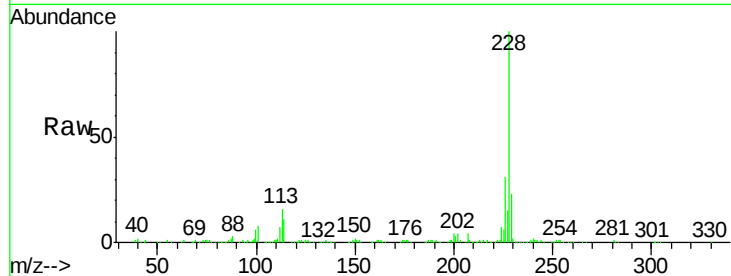
Tot Ion:228 Resp: 194524

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

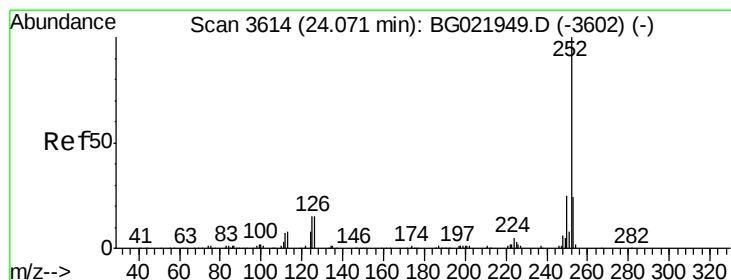
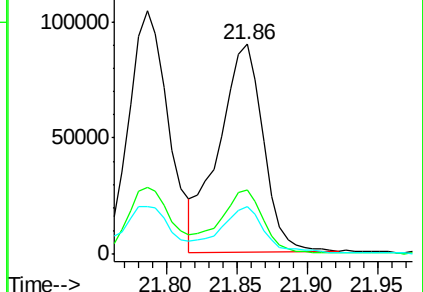
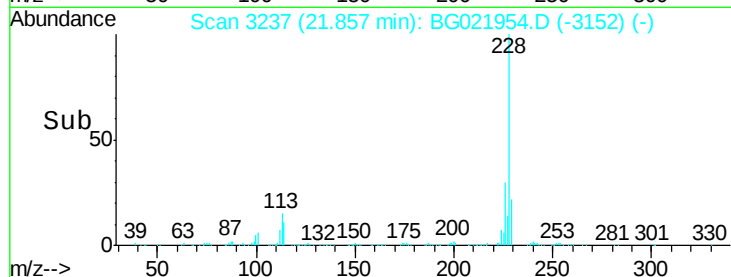
229 22.7 16.2 24.2



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: 33.19 ng/ul

RT: 24.08 min Scan# 3615

Delta R.T. 0.01 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

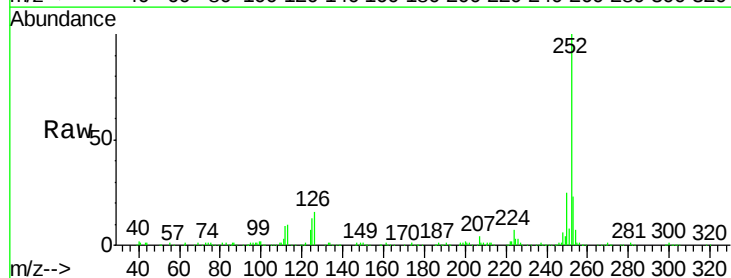
Tgt Ion:252 Resp: 296300

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

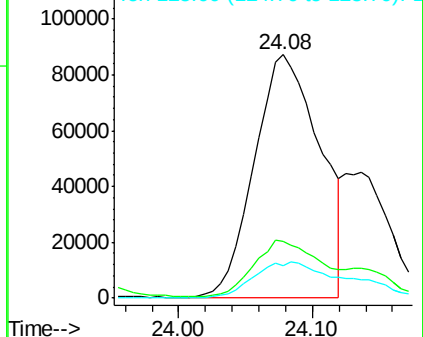
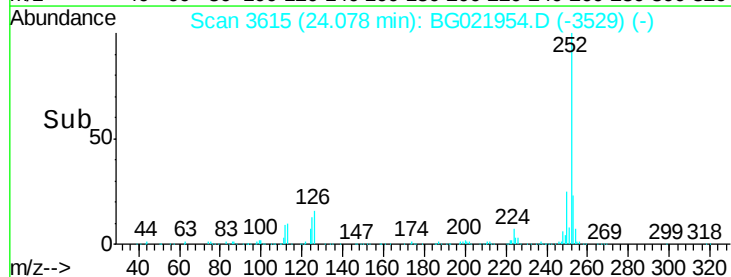
125 13.2 7.6 11.4#

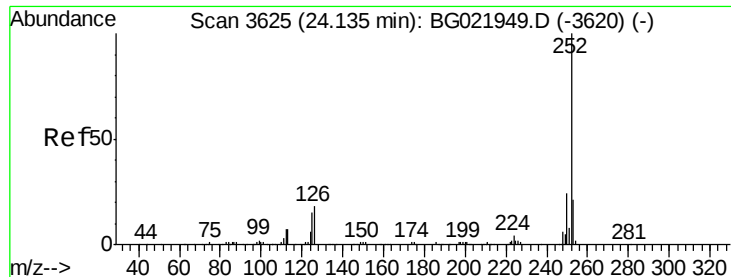


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 33.74 ng/ul

RT: 24.08 min Scan# 3615

Delta R.T. -0.06 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Instrument :

BNA_G

ClientSampleId :

D9XF8DL

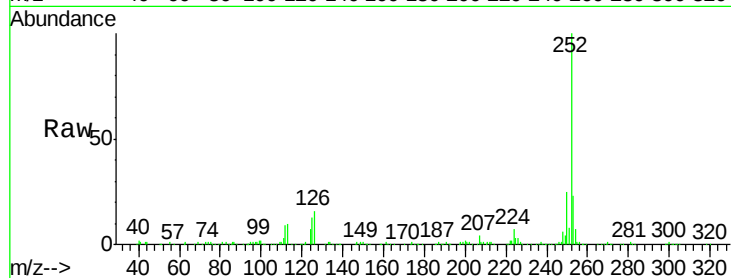
Tot Ion:252 Resp: 296300

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

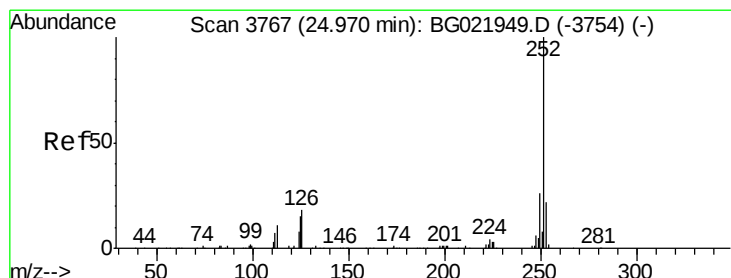
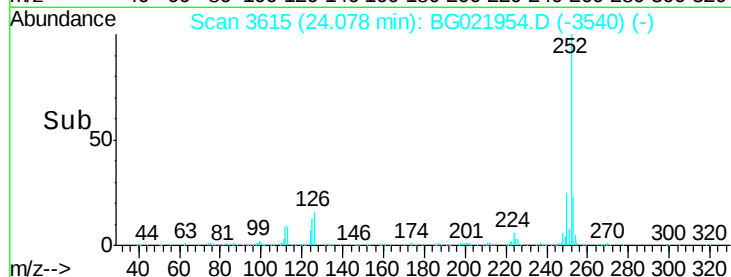
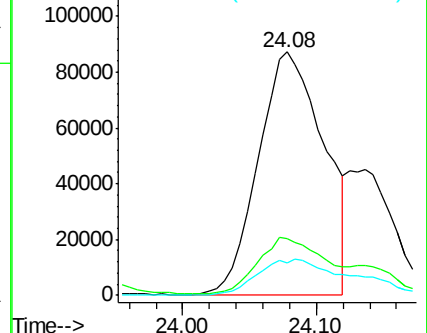
125 13.2 7.7 11.5#



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: 22.97 ng/ul

RT: 24.98 min Scan# 3768

Delta R.T. 0.01 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

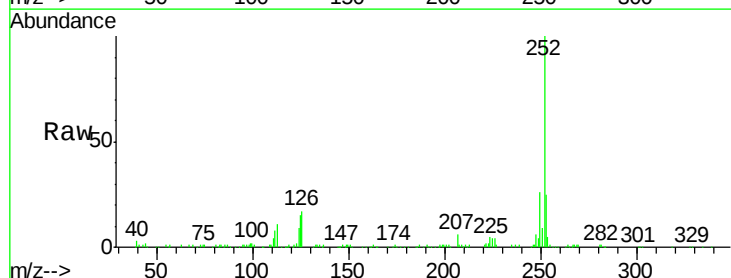
Tgt Ion:252 Resp: 196070

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

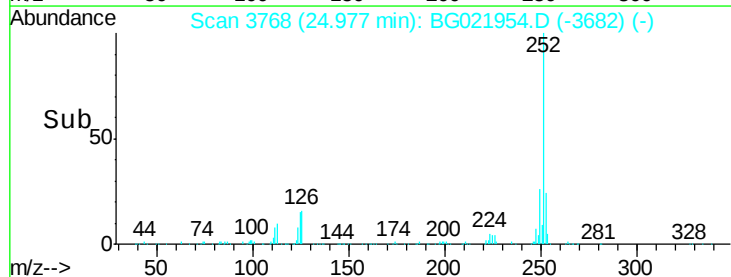
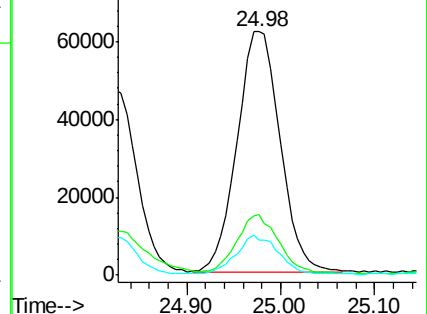
125 14.6 8.2 12.2#

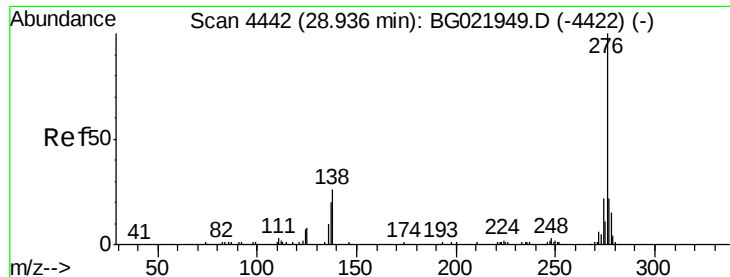


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 16.52 ng/ul

RT: 28.94 min Scan# 4443

Delta R.T. 0.01 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Instrument :

BNA_G

ClientSampleId :

D9XF8DL

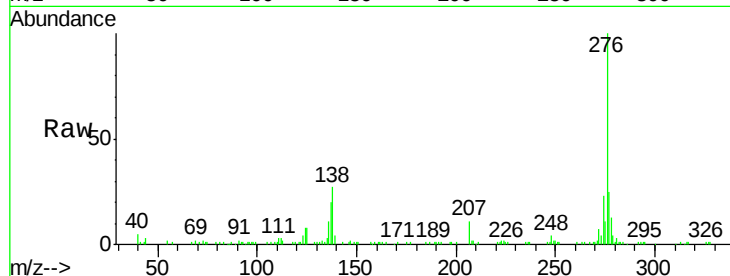
Tot Ion:276 Resp: 160340

Ion Ratio Lower Upper

276 100

138 26.6 15.8 23.6#

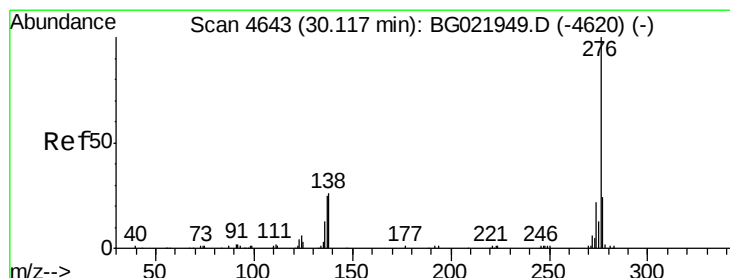
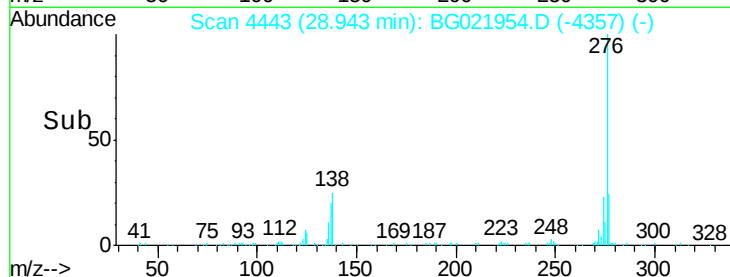
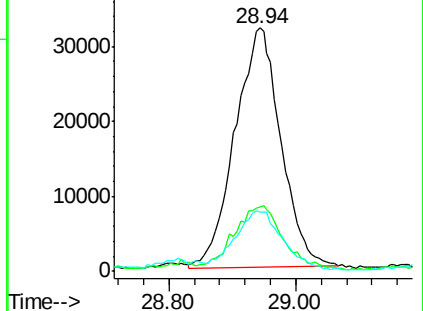
277 24.5 19.0 28.6



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: 16.18 ng/ul

RT: 30.13 min Scan# 4645

Delta R.T. 0.01 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

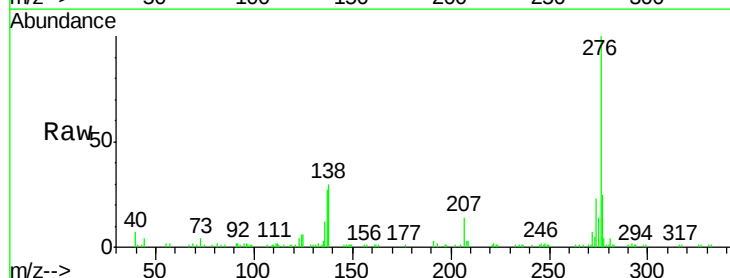
Tgt Ion:276 Resp: 132861

Ion Ratio Lower Upper

276 100

138 30.2 13.9 20.9#

277 24.9 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

