

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021960.D
 Acq On : 19 May 2016 12:51
 Operator : UM/SJ
 Sample : H3096-06DL2 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:46:33 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	36791	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	201096	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	122697	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	258959	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	239784	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	226711	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
3) Phenol-d5	7.32	99	3719	1.14	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.49	67	1526	0.88	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	4030	1.51	ng/ul	0.00
6) 4-Methylphenol-d8	8.88	113	1186	0.41	ng/ul	0.01
8) Nitrobenzene-d5	9.33	128	585	0.41	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	1535	1.02	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	3335	1.25	ng/ul	0.00
12) 4-Chloroaniline-d4	11.13	131	1282	0.61	ng/ul	0.02
16) Dimethylphthalate-d6	14.18	166	18085	1.91	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	24535	2.01	ng/ul	0.00
20) 4-Nitrophenol-d4	15.15	143	187	0.11	ng/ul	0.17
21) Fluorene-d10	15.77	176	16880	1.98	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	391	0.30	ng/ul	0.00
26) Anthracene-d10	17.62	188	26032	2.18	ng/ul	0.00
30) Pyrene-d10	19.90	212	26439	2.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	21868	2.17	ng/ul	0.00

Target Compounds

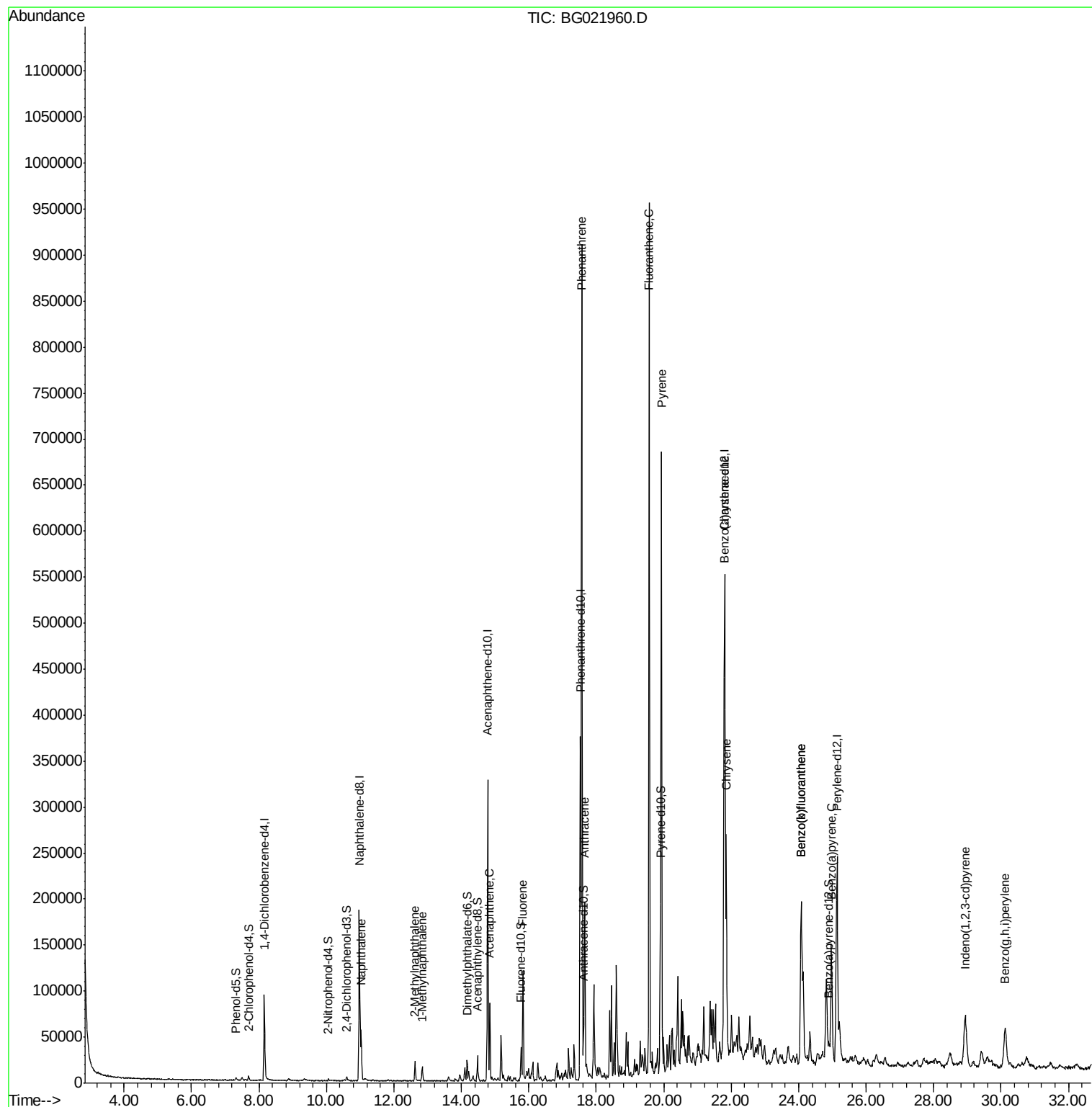
						Ovalue
11) Naphthalene	11.02	128	57944	5.92	ng/ul	99
13) 2-Methylnaphthalene	12.62	142	14108	1.99	ng/ul	99
14) 1-Methylnaphthalene	12.84	142	10512	1.45	ng/ul#	93
19) Acenaphthene	14.84	153	43625	5.01	ng/ul	96
22) Fluorene	15.82	166	65419	6.78	ng/ul	98
25) Phenanthrene	17.57	178	610534	44.11	ng/ul	96
27) Anthracene	17.66	178	131349	9.44	ng/ul	98
28) Fluoranthene	19.57	202	603929	41.98	ng/ul#	91
31) Pvrene	19.93	202	437230	26.48	ng/ul#	90
32) Benzo(a)anthracene	21.79	228	214344	16.11	ng/ul	97
33) Chrysene	21.86	228	174741	13.50	ng/ul	97
35) Benzo(b)fluoranthene	24.07	252	214280	16.44	ng/ul#	95
36) Benzo(k)fluoranthene	24.07	252	214280	16.72	ng/ul#	94
38) Benzo(a)pyrene	24.97	252	140849	11.30	ng/ul#	90
39) Indeno(1,2,3-cd)pyrene	28.94	276	95134	6.72	ng/ul#	90
41) Benzo(g,h,i)perylene	30.11	276	55395	4.62	ng/ul#	88

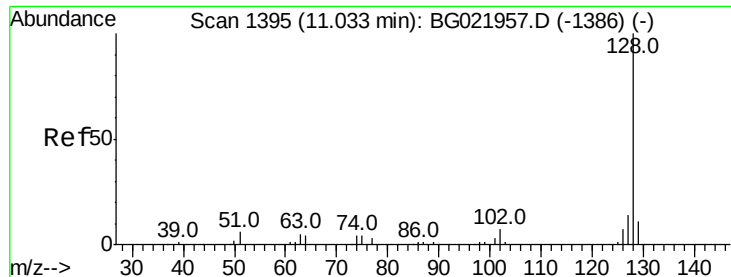
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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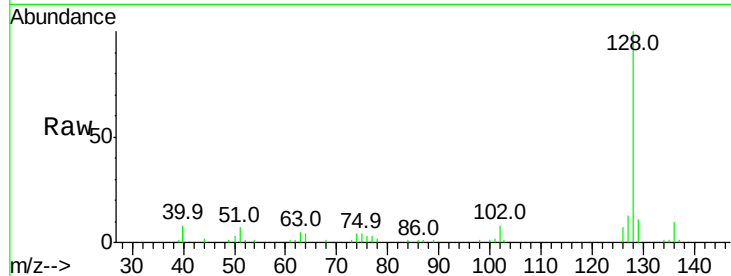




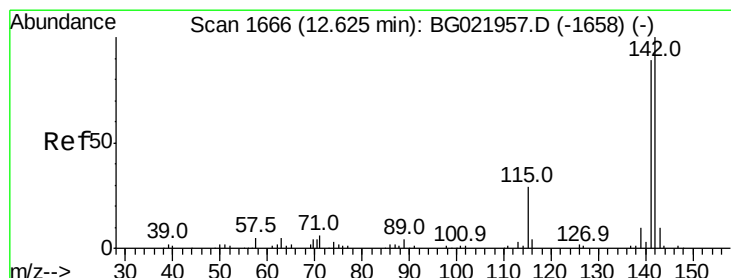
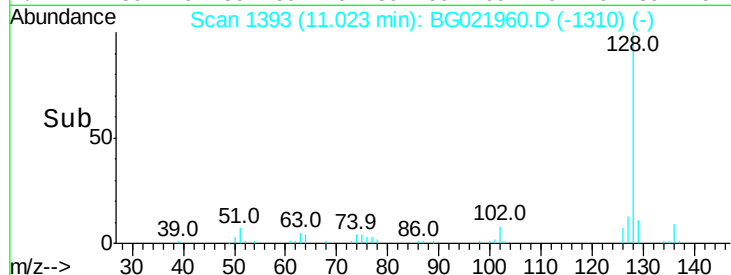
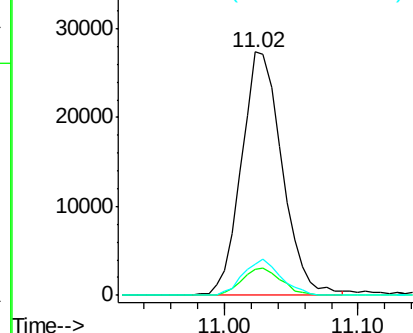
#11
Naphthalene
Concen: 5.92 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 57944
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 12.9 10.8 16.2

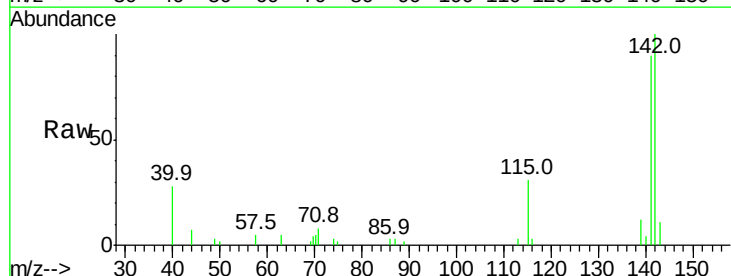


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

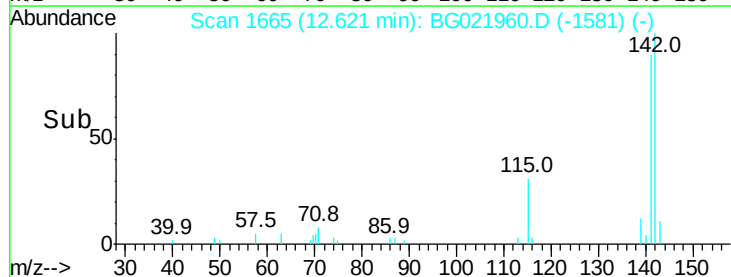
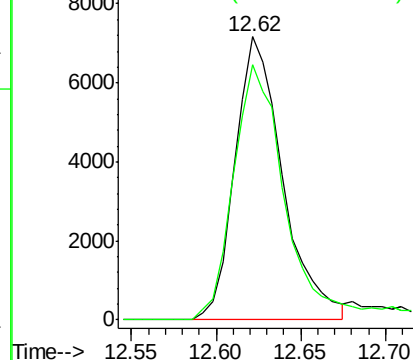


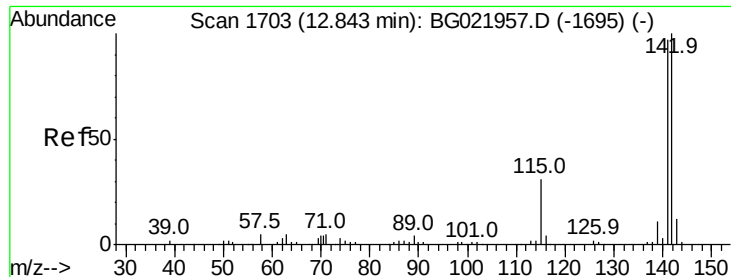
#13
2-Methylnaphthalene
Concen: 1.99 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.00 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Tgt Ion:142 Resp: 14108
Ion Ratio Lower Upper
142 100
141 90.3 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

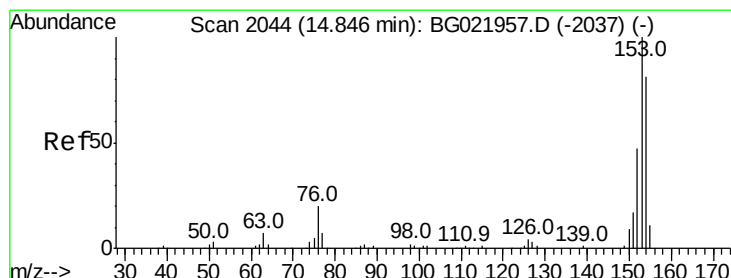
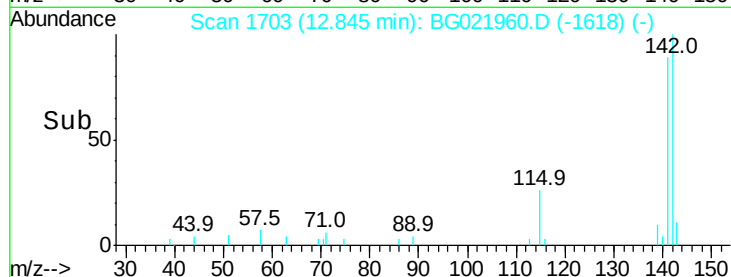
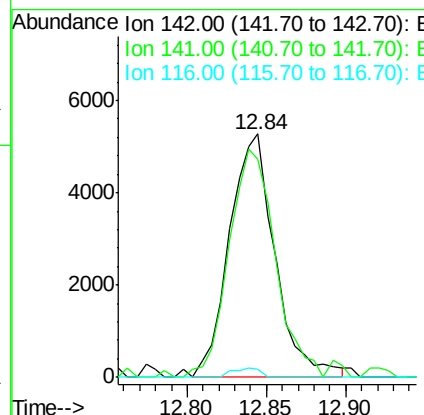
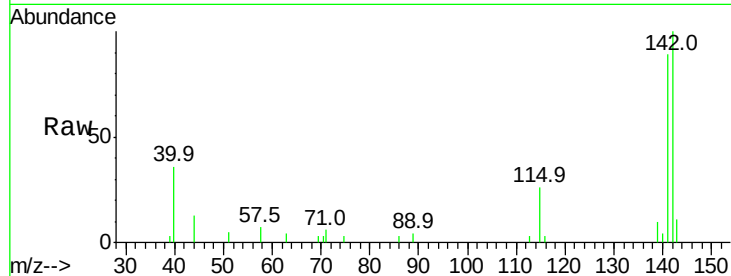




#14
 1-Methylnaphthalene
 Concen: 1.45 ng/ul
 RT: 12.84 min Scan# 1703
 Delta R.T. 0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

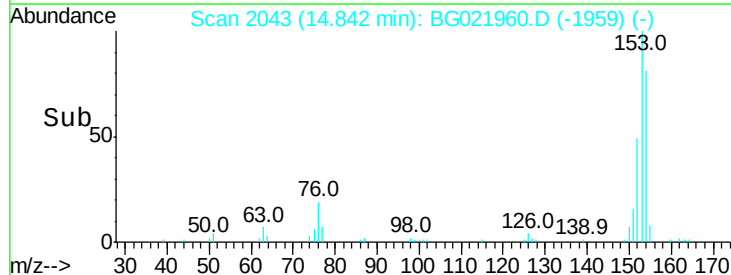
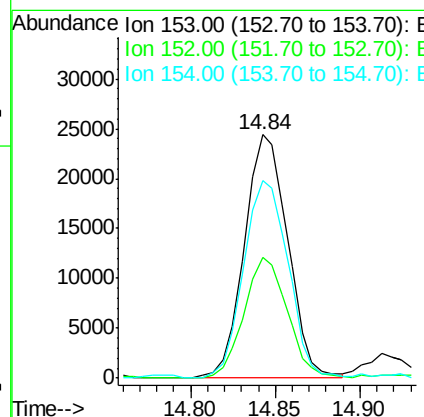
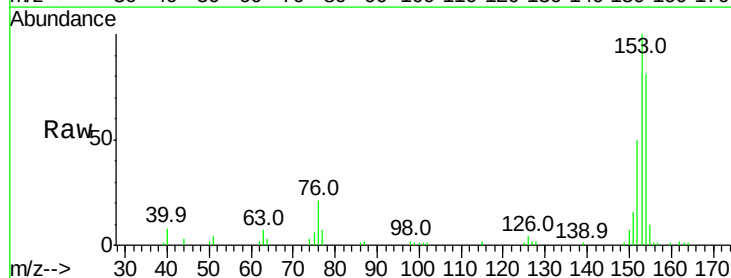
Instrument :
 BNA_G
 ClientSampleId :

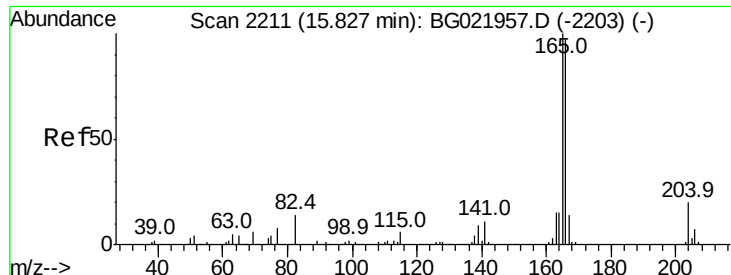
Tot Ion:142 Resp: 10512
 Ion Ratio Lower Upper
 142 100
 141 89.5 77.0 115.4
 116 3.3 4.2 6.4#



#19
 Acenaphthene
 Concen: 5.01 ng/ul
 RT: 14.84 min Scan# 2043
 Delta R.T. -0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

Tgt Ion:153 Resp: 43625
 Ion Ratio Lower Upper
 153 100
 152 49.8 36.5 54.7
 154 81.3 67.3 100.9





#22

Fluorene

Concen: 6.78 ng/ul

RT: 15.82 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

Instrument :

BNA_G

ClientSampleId :

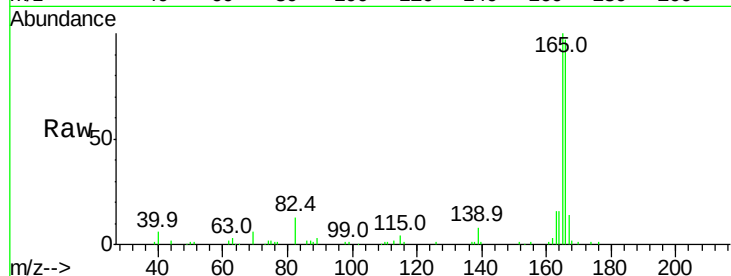
Tot Ion:166 Resp: 65419

Ion Ratio Lower Upper

166 100

165 103.1 81.1 121.7

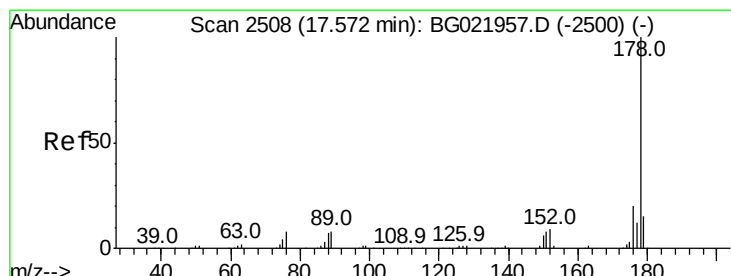
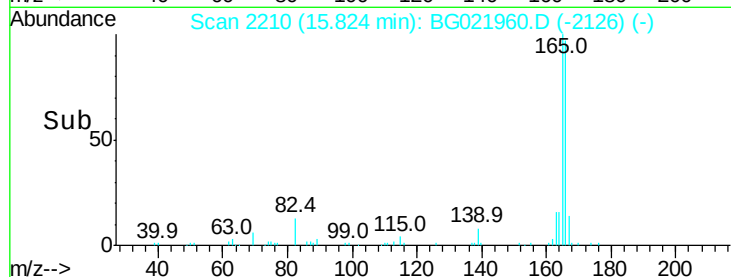
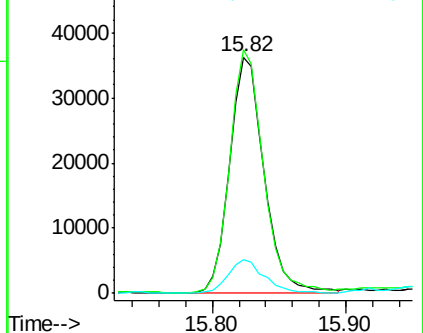
167 14.3 10.6 16.0



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: 44.11 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

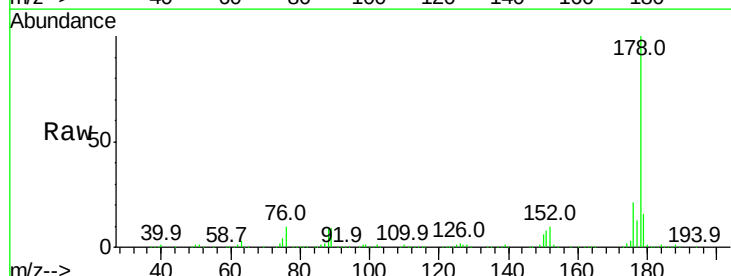
Tgt Ion:178 Resp: 610534

Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.8

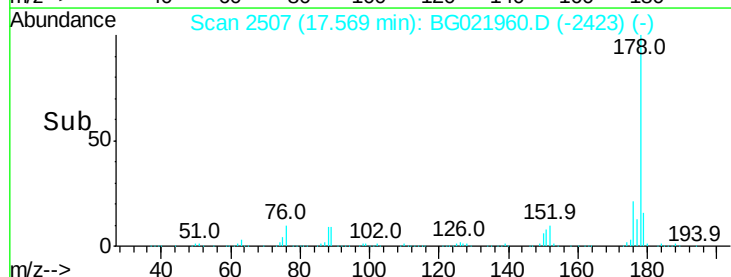
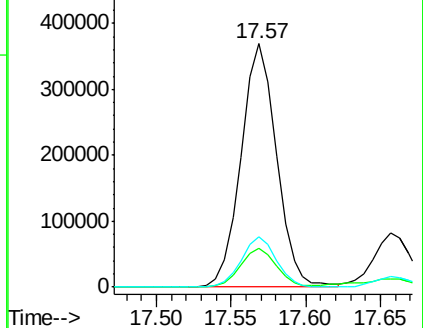
176 20.7 14.8 22.2

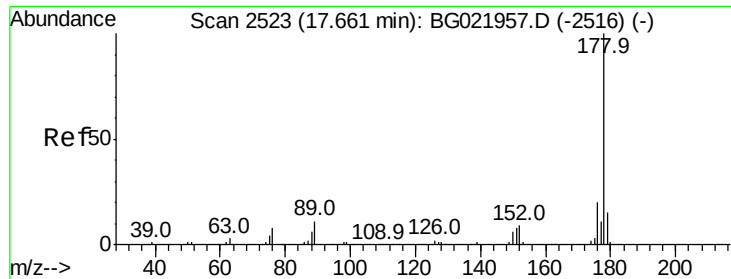


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 9.44 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. -0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

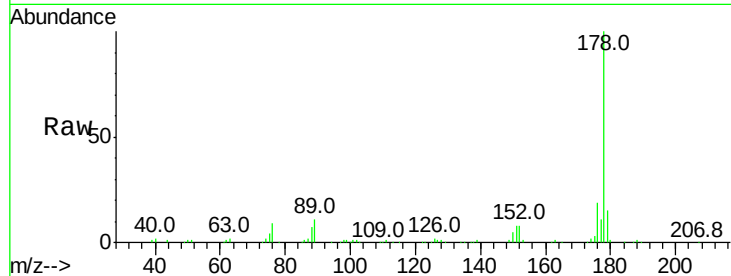
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 131349

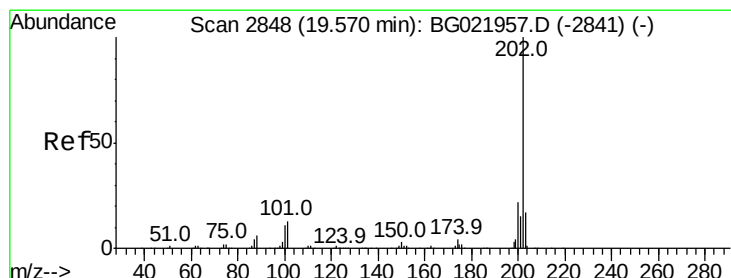
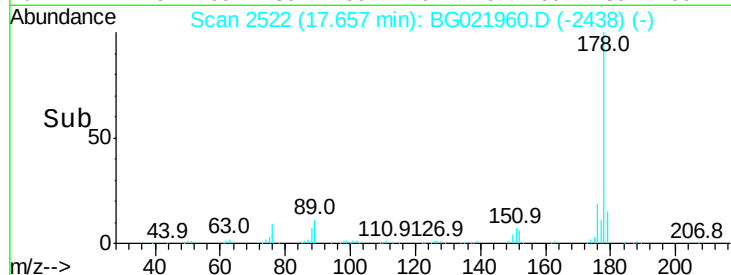
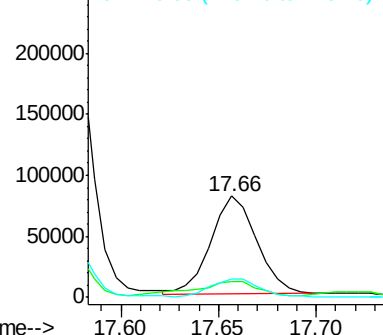
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.9	19.3
176	18.8	15.6	23.4



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: 41.98 ng/ul

RT: 19.57 min Scan# 2847

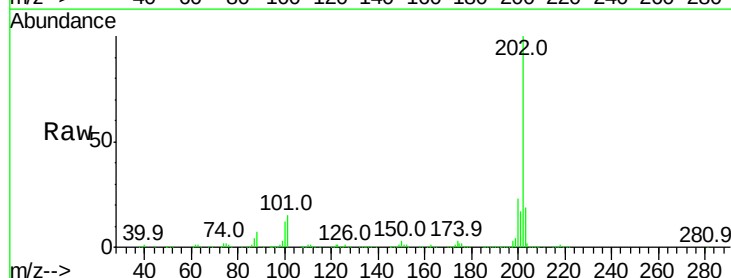
Delta R.T. -0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

Tgt Ion:202 Resp: 603929

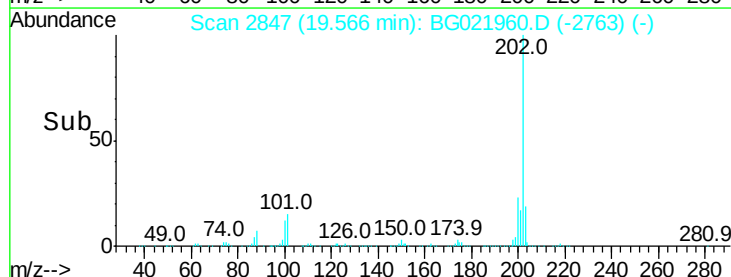
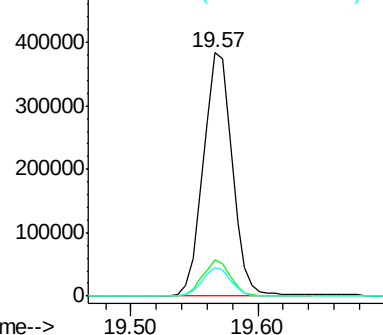
Ion	Ratio	Lower	Upper
202	100		
101	14.8	8.9	13.3#
100	11.8	7.0	10.4#

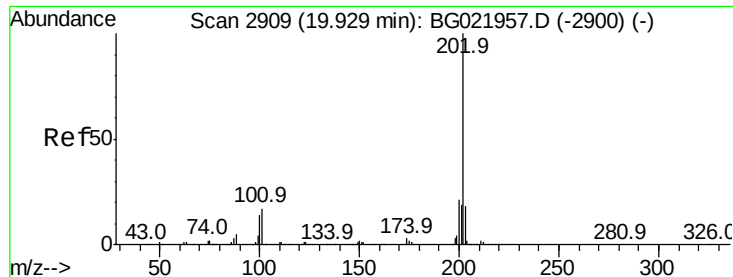


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pvrene

Concen: 26.48 ng/ul

RT: 19.93 min Scan# 2909

Delta R.T. 0.00 min

Lab File: BG021960.D

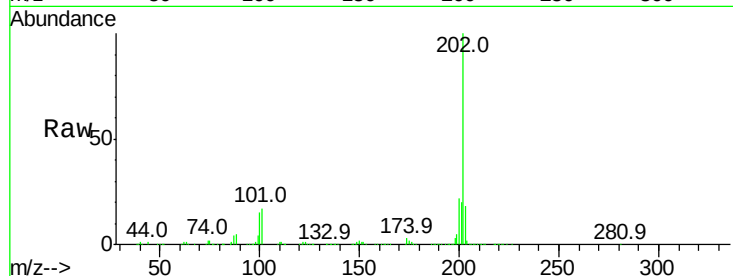
Acq: 19 May 2016 12:51

Instrument :

BNA_G

ClientSampleId :

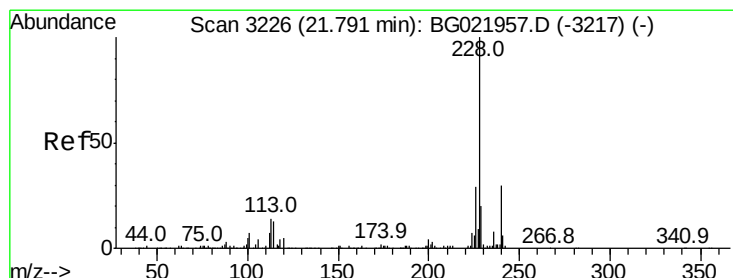
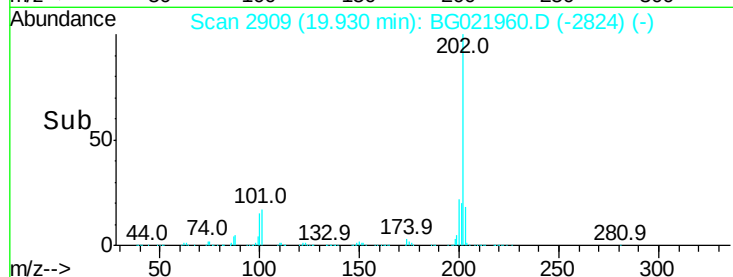
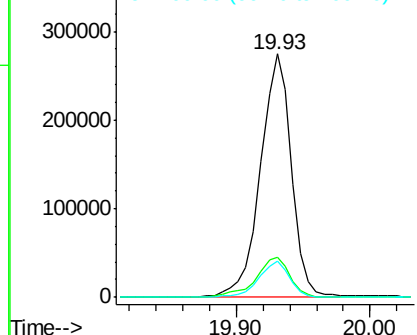
Tot Ion:	202	Resp:	437230
Ion	Ratio	Lower	Upper
202	100		
101	16.7	9.8	14.8#
100	14.7	9.3	13.9#



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): B



#32

Benzo(a)anthracene

Concen: 16.11 ng/ul

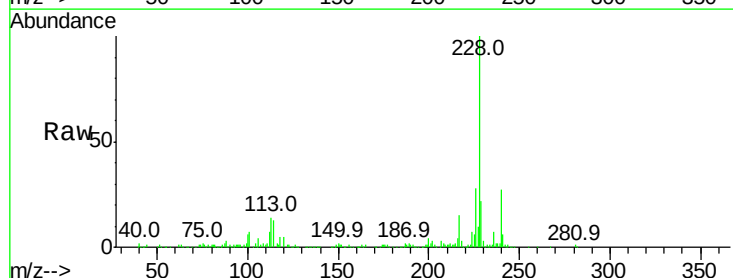
RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

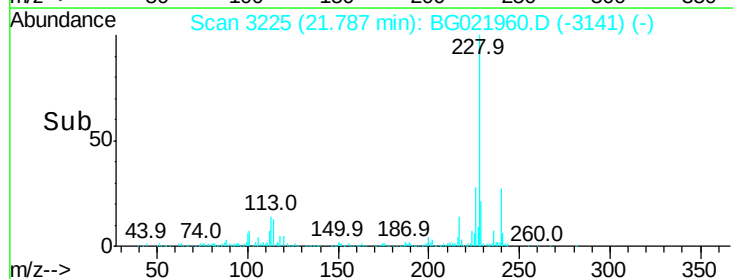
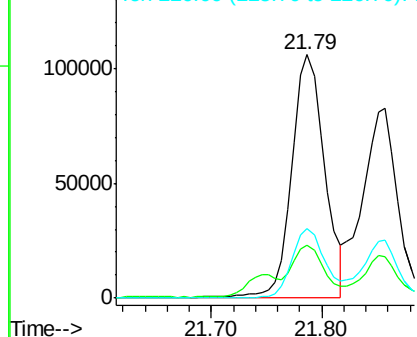
Tgt Ion:	228	Resp:	214344
Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	25.0
226	28.4	21.0	31.4

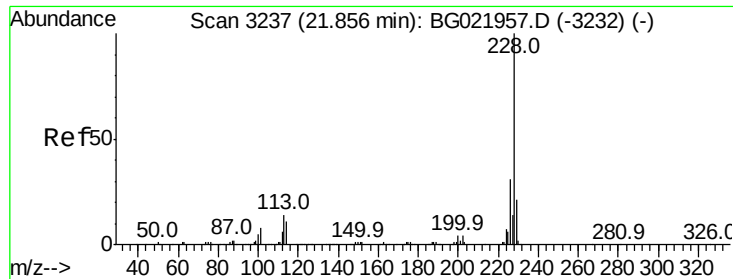


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 13.50 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.00 min

Lab File: BG021960.D

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ClientSampleId :

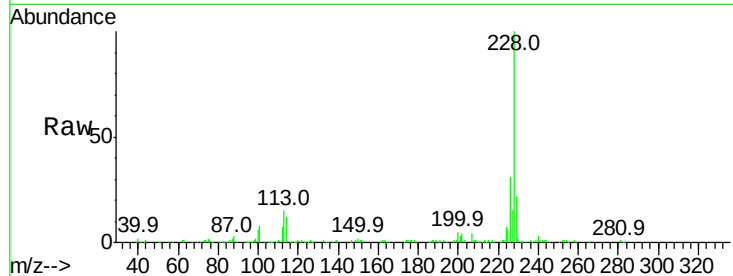
Tot Ion:228 Resp: 174741

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

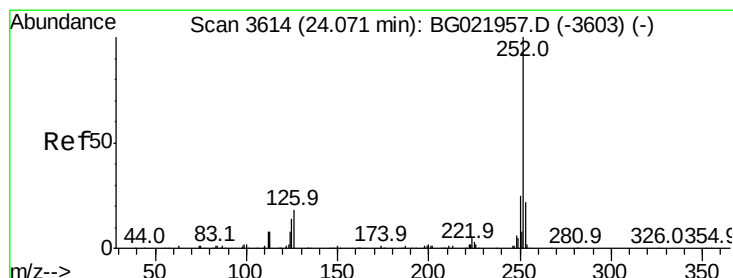
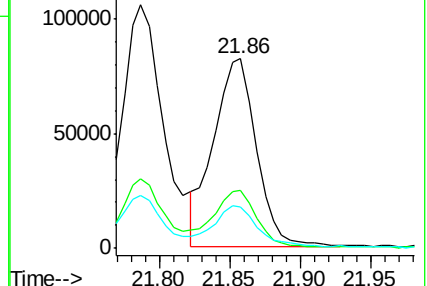
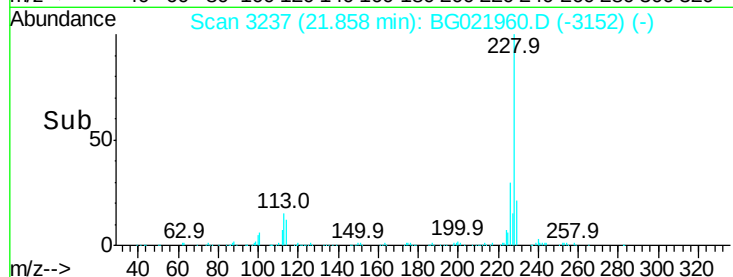
229 22.0 16.2 24.2



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: 16.44 ng/ul

RT: 24.07 min Scan# 3614

Delta R.T. 0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

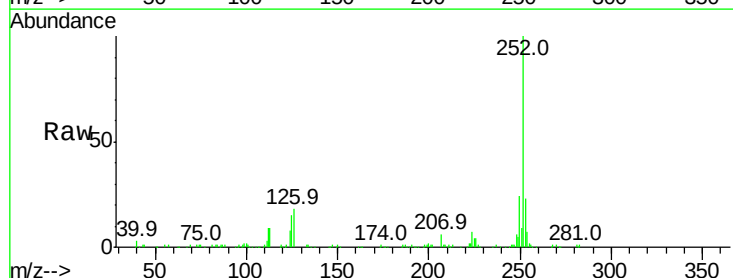
Tgt Ion:252 Resp: 214280

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

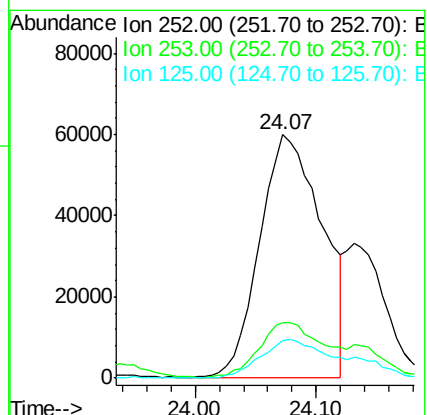
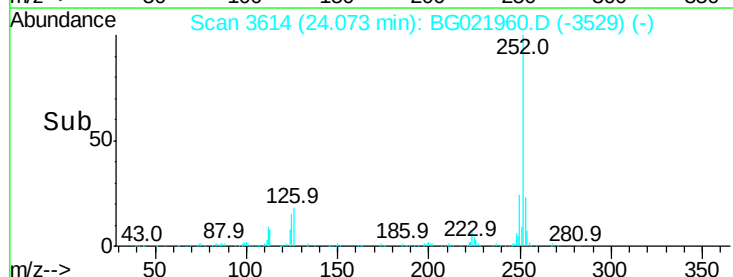
125 15.3 7.6 11.4#

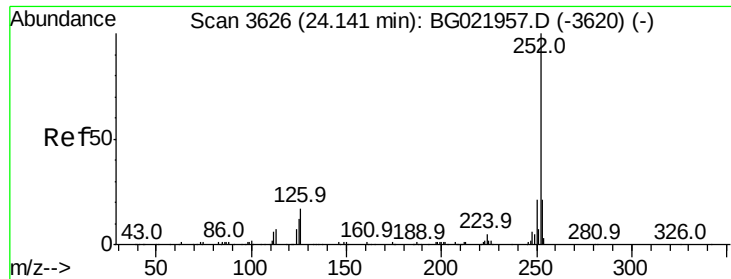


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

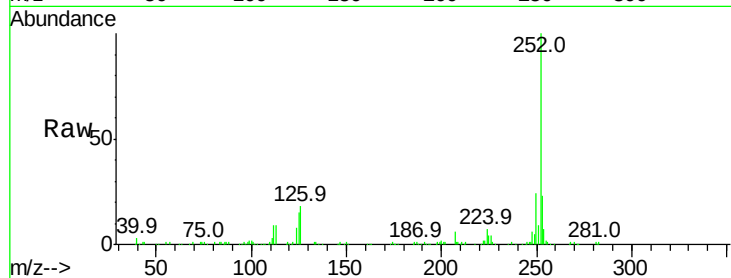




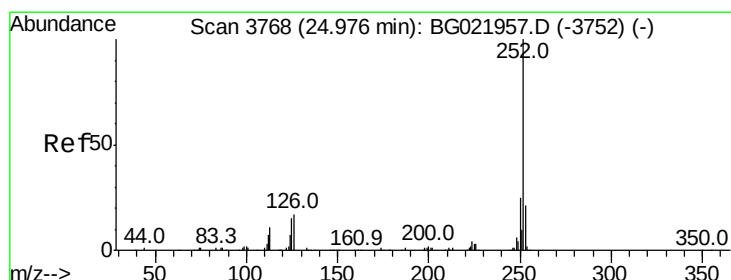
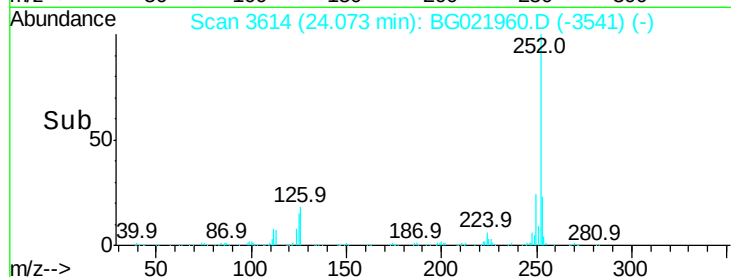
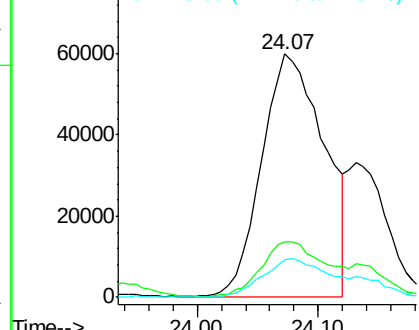
#36
Benzo(k)fluoranthene
Concen: 16.72 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. -0.07 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	15.3	7.7	11.5

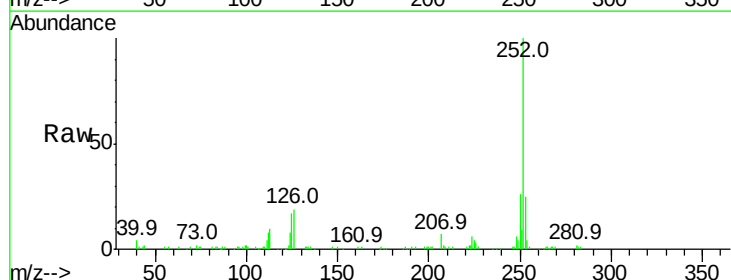


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

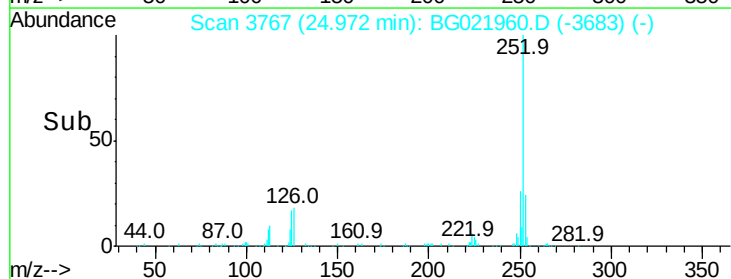
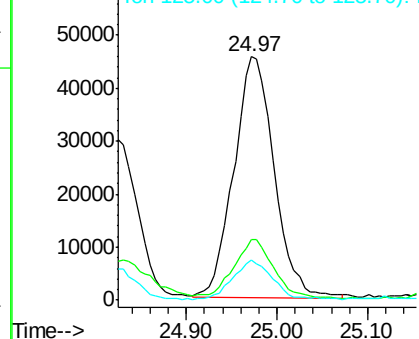


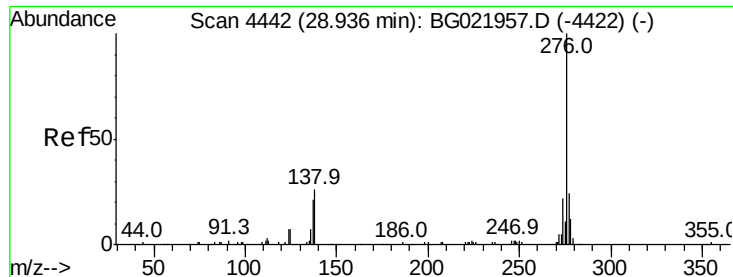
#38
Benzo(a)pyrene
Concen: 11.30 ng/ul
RT: 24.97 min Scan# 3767
Delta R.T. -0.00 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	16.6	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: 6.72 ng/ul

RT: 28.94 min Scan# 4442

Delta R.T. 0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

Instrument :

BNA_G

ClientSampled :

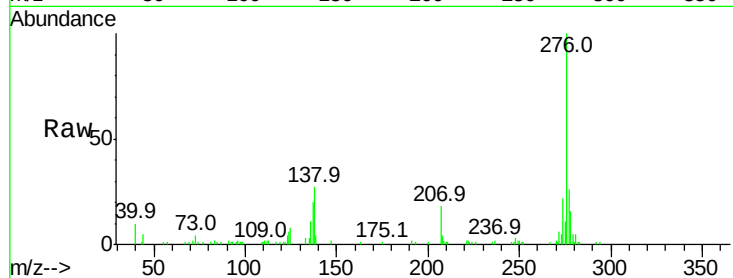
Tot Ion:276 Resp: 95134

Ion Ratio Lower Upper

276 100

138 27.4 15.8 23.6#

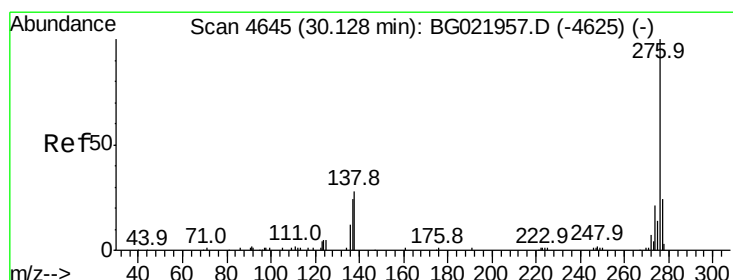
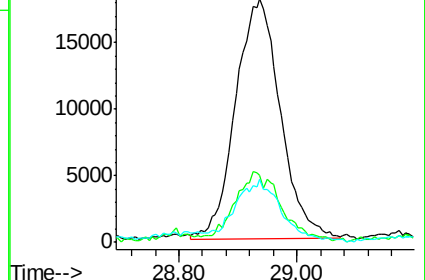
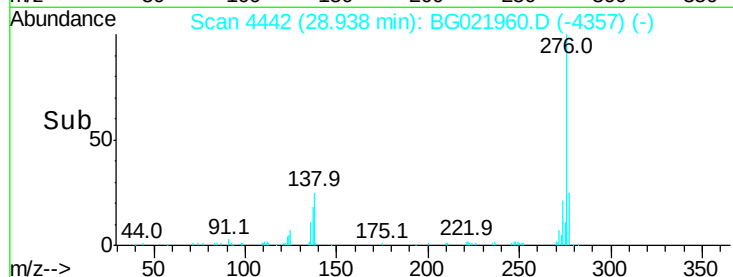
277 26.0 19.0 28.6



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: 4.62 ng/ul

RT: 30.11 min Scan# 4642

Delta R.T. -0.02 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

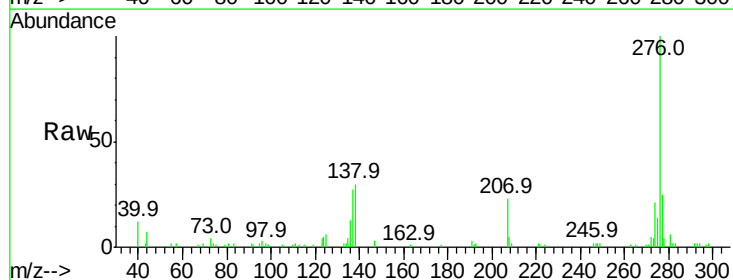
Tgt Ion:276 Resp: 55395

Ion Ratio Lower Upper

276 100

138 29.9 13.9 20.9#

277 24.7 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

