

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\
 Data File : BG019242.D
 Acq On : 19 Oct 2015 15:32
 Operator : UM/NP
 Sample : G3996-15DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK2DL

Quant Time: Oct 20 04:08:23 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 20 04:07:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	17600	20.00	ng/ul	0.00
18) Naphthalene-d8	10.81	136	79452	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	52462	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.39	188	114956	20.00	ng/ul	0.00
78) Chrysene-d12	21.66	240	132116	20.00	ng/ul	0.00
86) Perylene-d12	24.87	264	130792	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.19	99	2515	1.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	1772	1.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	2202	1.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	2049	1.57	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	1025	1.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	1319	2.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	2529	1.97	ng/ul	0.01
29) 4-Chloroaniline-d4	10.95	131	572	0.35	ng/ul	0.00
44) Dimethylphthalate-d6	14.05	166	10170	2.22	ng/ul	0.00
47) Acenaphthylene-d8	14.33	160	11423	2.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.87	143	210	0.25	ng/ul	0.01
58) Fluorene-d10	15.64	176	25612	6.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	2173	3.06	ng/ul	0.02
71) Anthracene-d10	17.49	188	13666	2.52	ng/ul	0.00
79) Pyrene-d10	19.77	212	10474	1.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.65	264	13447	2.04	ng/ul	0.00

Target Compounds

						Ovalue
16) 4-Methylphenol	8.77	108	1532	1.09	ng/ul#	1
24) 2,4-Dimethylphenol	9.99	107	9764	5.84	ng/ul	90
28) Naphthalene	10.86	128	12789	3.08	ng/ul	97
30) 4-Chloroaniline	10.87	127	1764	1.03	ng/ul#	31
34) 2-Methylnaphthalene	12.47	142	15554	4.72	ng/ul	94
35) 1-Methylnaphthalene	12.69	142	16182	5.02	ng/ul#	94
41) 1,1'-Biphenyl	13.47	154	9162	2.24	ng/ul	94
42) 2-Chloronaphthalene	13.54	162	5437	1.72	ng/ul#	62
45) Dimethylphthalate	14.09	163	5894	1.28	ng/ul#	59
49) 3-Nitroaniline	14.54	138	2399	2.84	ng/ul#	38
50) Acenaphthene	14.70	153	7901	2.16	ng/ul	92
51) 2,4-Dinitrophenol	14.81	184	5340	10.59	ng/ul#	1
54) Dibenzofuran	15.04	168	49630	9.59	ng/ul#	85
59) Fluorene	15.69	166	36356	8.21	ng/ul#	87
64) 4,6-Dinitro-2-methylphenol	15.83	198	753	1.05	ng/ul#	1
68) Atrazine	16.85	200	2682	1.77	ng/ul#	1
70) Phenanthrene	17.43	178	191676	29.86	ng/ul	98
72) Anthracene	17.43	178	191676	29.39	ng/ul	97
75) Carbazole	17.80	167	11526	2.05	ng/ul#	87
77) Fluoranthene	19.44	202	80306	9.99	ng/ul#	92
80) Pyrene	19.80	202	91505	11.67	ng/ul#	91
83) Benzo(a)anthracene	21.64	228	22469	3.01	ng/ul#	73
85) Chrysene	21.70	228	24082	3.41	ng/ul#	77

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\
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Acq On : 19 Oct 2015 15:32
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Misc :
ALS Vial : 6 Sample Multiplier: 1

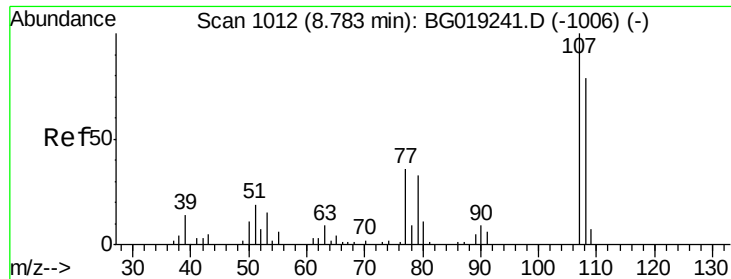
Instrument :
BNA_G
ClientSampleId :
E5LK2DL

Quant Time: Oct 20 04:08:23 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 20 04:07:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	23.86	252	12630	1.70	ng/ul#	66
91) Benzo(a)pyrene	24.72	252	8579	1.20	ng/ul#	89

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

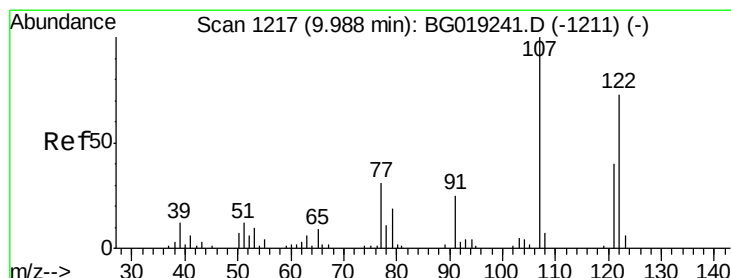
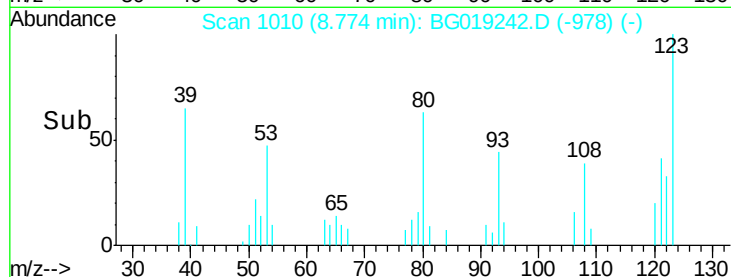
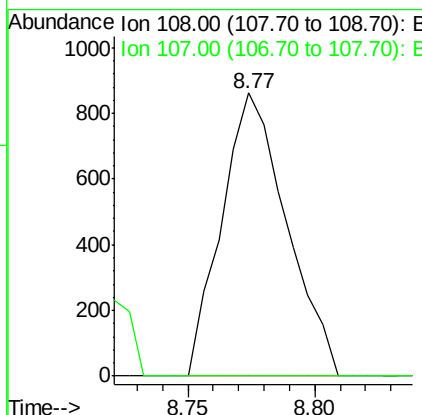
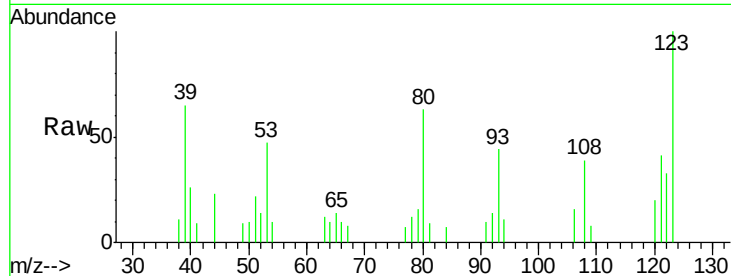
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Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\  
Data File : BG019242.D  
Acq On    : 19 Oct 2015  15:32  
Operator  : UM/NP  
Sample    : G3996-15DL 10X  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
```



#16
4-Methylphenol
Concen: 1.09 ng/ul
RT: 8.77 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

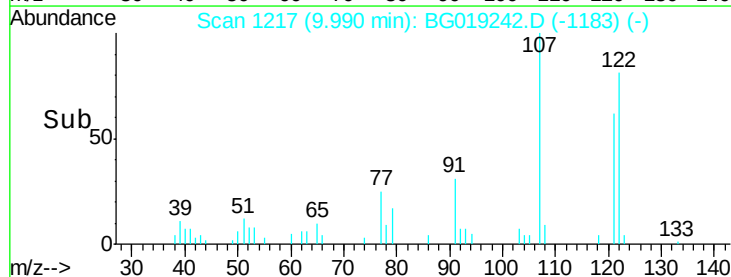
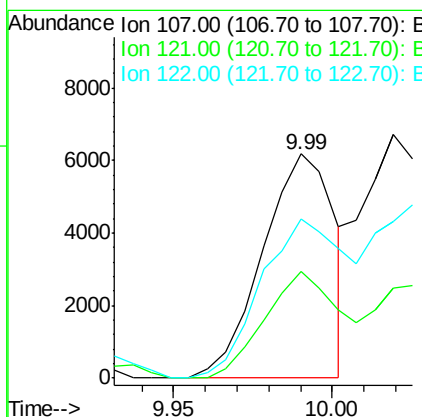
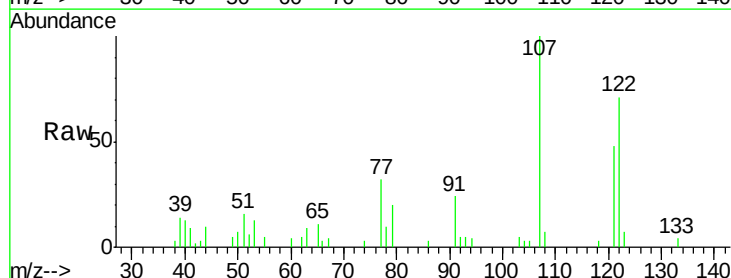
Instrument :
BNA_G
ClientSampleID :
E5LK2DL

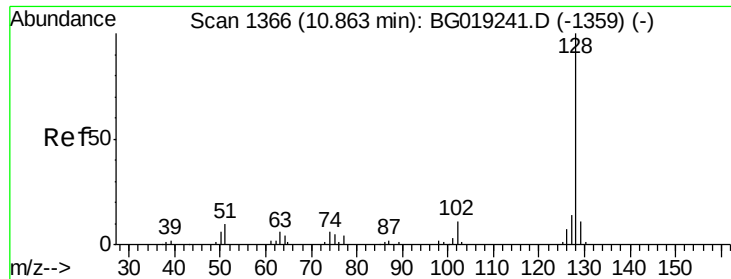
Tot Ion:108 Resp: 1532
Ion Ratio Lower Upper
108 100
107 0.0 86.6 130.0#



#24
2,4-Dimethylphenol
Concen: 5.84 ng/ul
RT: 9.99 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

Tgt Ion:107 Resp: 9764
Ion Ratio Lower Upper
107 100
121 47.6 37.2 55.8
122 70.9 67.6 101.4

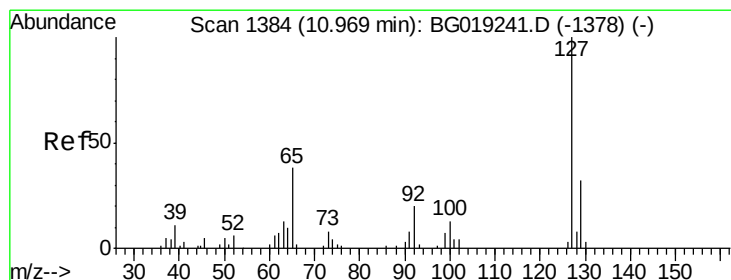
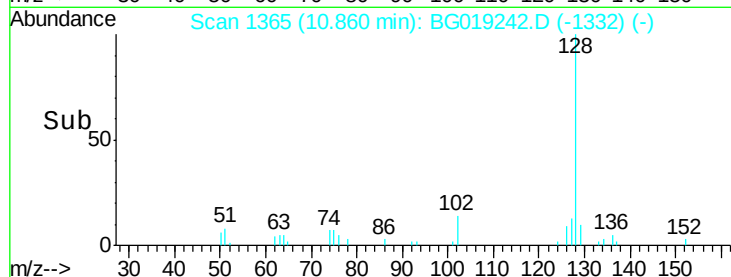
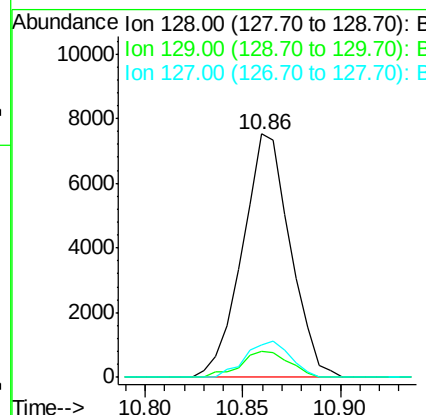
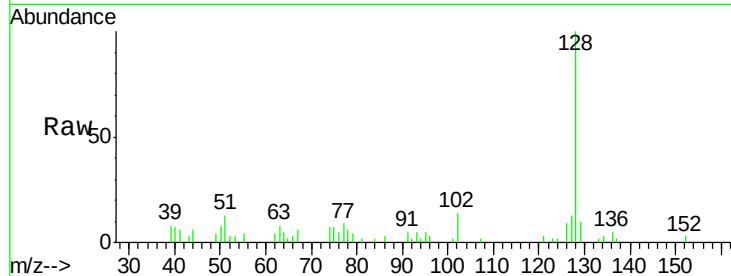




#28
Naphthalene
Concen: 3.08 ng/ul
RT: 10.86 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

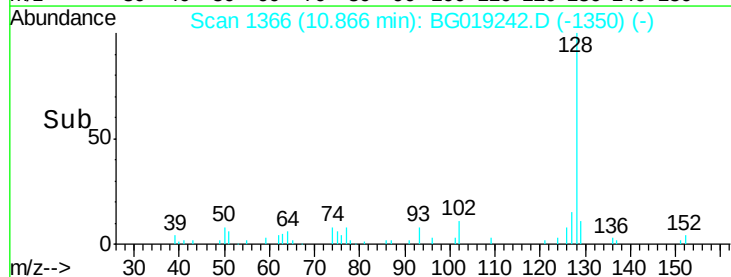
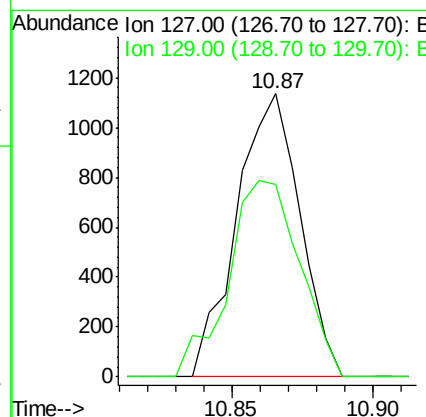
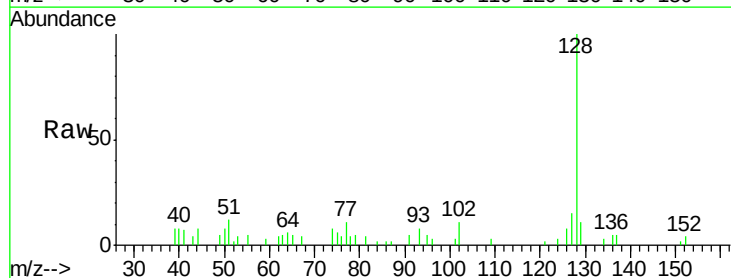
Instrument :
BNA_G
ClientSampleId :
E5LK2DL

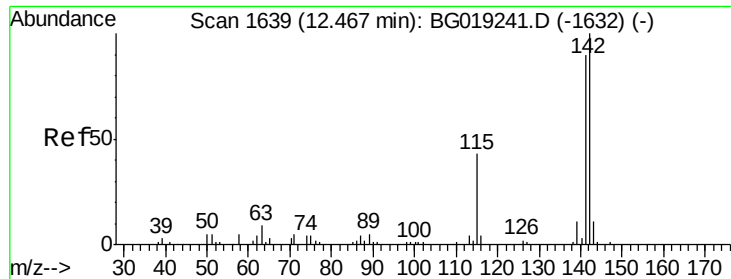
Tot Ion:128 Resp: 12789
Ion Ratio Lower Upper
128 100
129 10.5 9.6 14.4
127 13.3 11.3 16.9



#30
4-Chloroaniline
Concen: 1.03 ng/ul
RT: 10.87 min Scan# 1366
Delta R.T. -0.10 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

Tgt Ion:127 Resp: 1764
Ion Ratio Lower Upper
127 100
129 68.0 24.3 36.5#

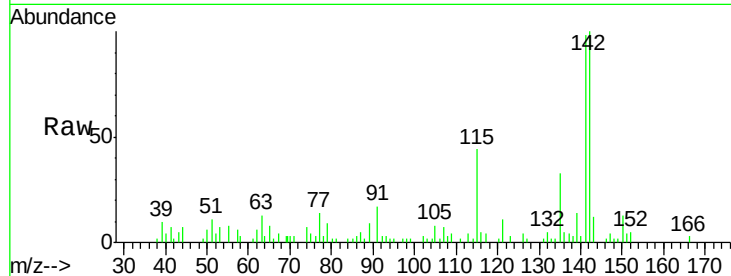




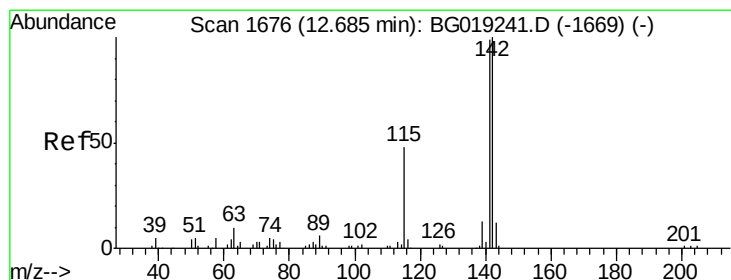
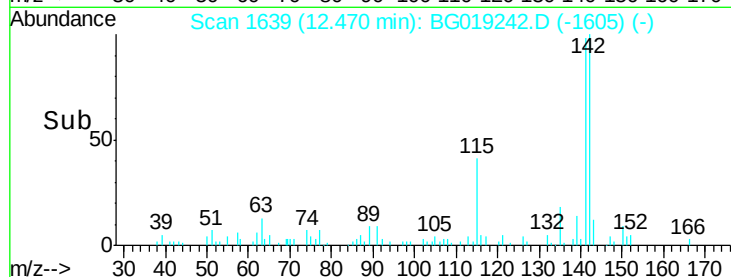
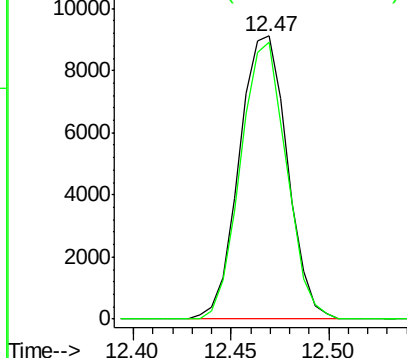
#34
2-Methylnaphthalene
Concen: 4.72 ng/ul
RT: 12.47 min Scan# 1639
Delta R.T. 0.00 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

Instrument :
BNA_G
ClientSampleId :
E5LK2DL

Tot Ion:142 Resp: 15554
Ion Ratio Lower Upper
142 100
141 97.8 73.4 110.0

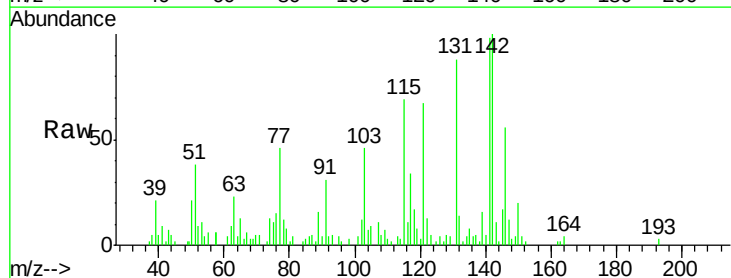


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

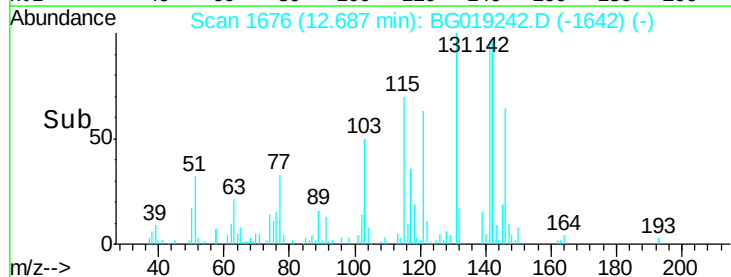
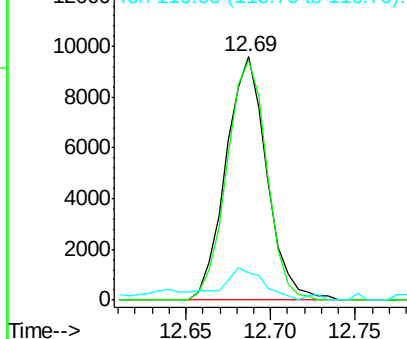


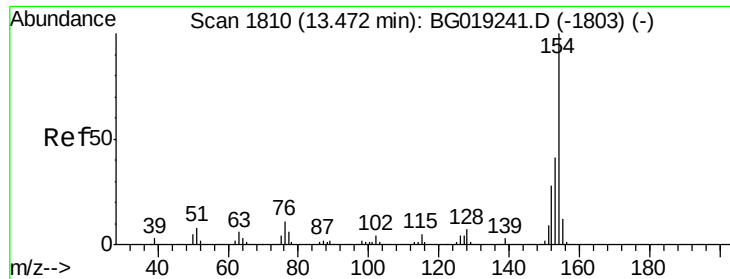
#35
1-Methylnaphthalene
Concen: 5.02 ng/ul
RT: 12.69 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

Tgt Ion:142 Resp: 16182
Ion Ratio Lower Upper
142 100
141 98.5 74.8 112.2
116 11.3 3.2 4.8#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

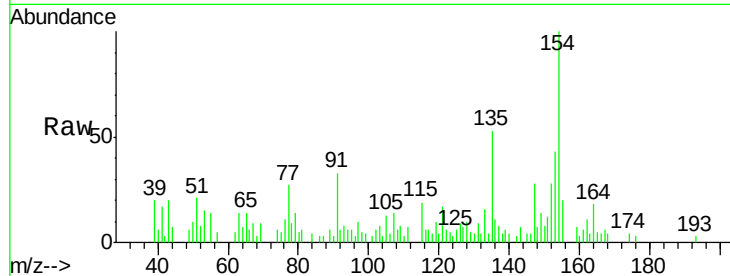




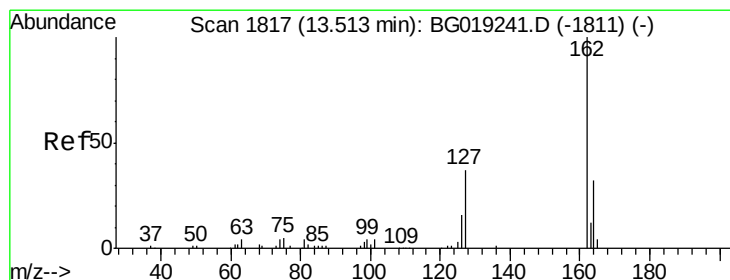
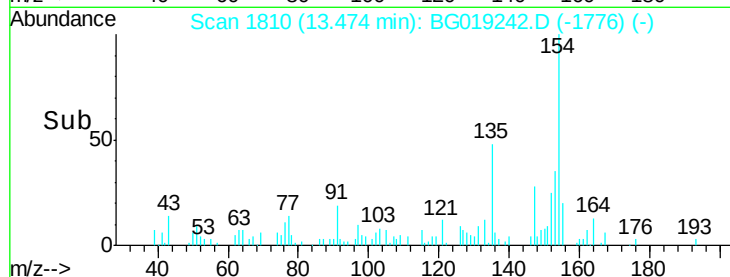
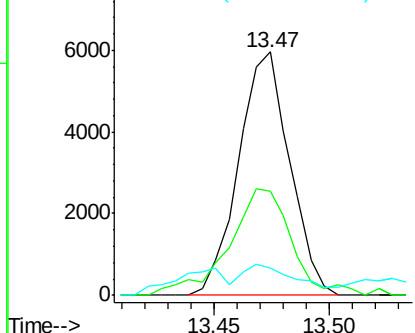
#41
 1,1'-Biphenyl
 Concen: 2.24 ng/ul
 RT: 13.47 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BG019242.D
 Acq: 19 Oct 2015 15:32

Instrument :
 BNA_G
 ClientSampleId :
 E5LK2DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.8	31.4	47.0
76	11.0	10.8	16.2

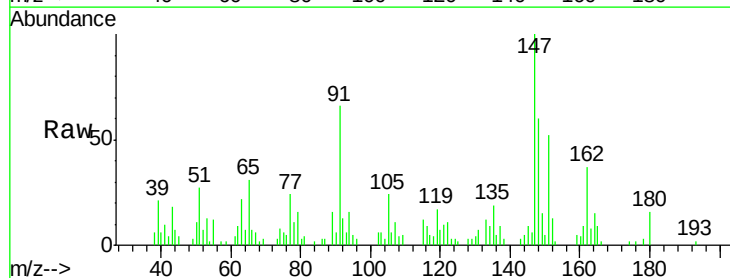


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

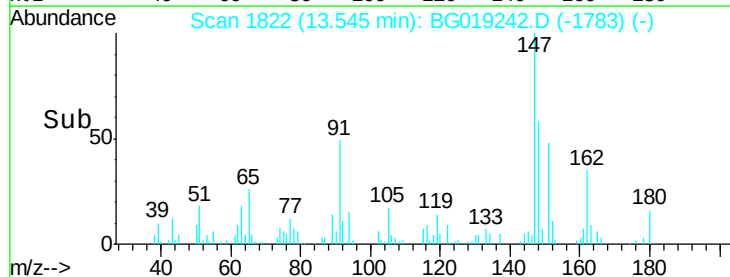
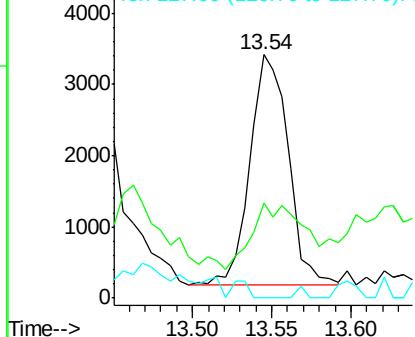


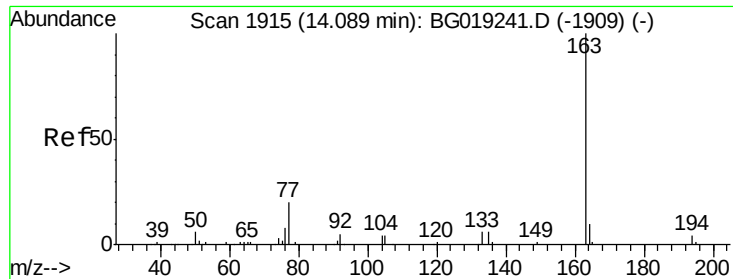
#42
 2-Chloronaphthalene
 Concen: 1.72 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. 0.03 min
 Lab File: BG019242.D
 Acq: 19 Oct 2015 15:32

Tgt Ion	Ratio	Lower	Upper
162	100		
164	39.3	25.8	38.8#
127	0.0	29.0	43.4#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 127.00 (126.70 to 127.70): E





#45

Dimethylphthalate

Concen: 1.28 ng/ul

RT: 14.09 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

Instrument :

BNA_G

ClientSampleId :

E5LK2DL

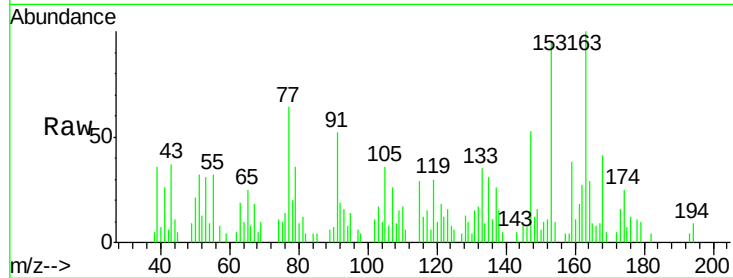
Tot Ion:163 Resp: 5894

Ion Ratio Lower Upper

163 100

194 8.7 3.3 4.9#

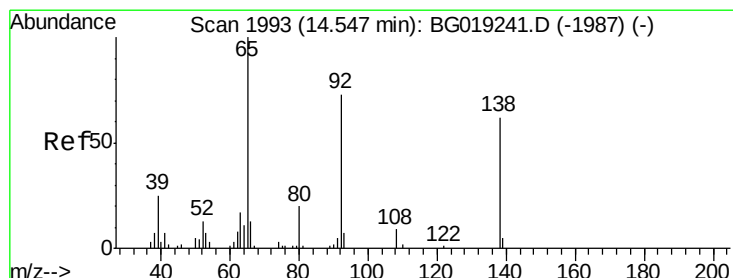
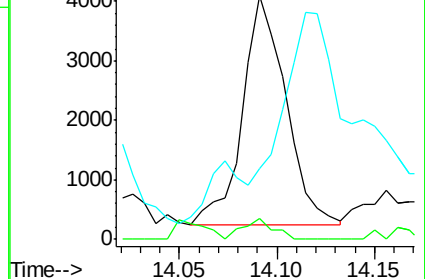
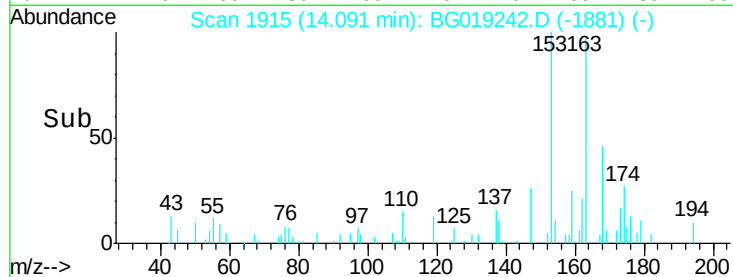
164 29.3 8.1 12.1#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

3-Nitroaniline

Concen: 2.84 ng/ul

RT: 14.54 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

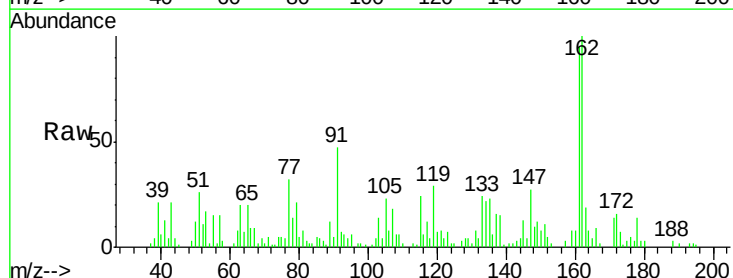
Tgt Ion:138 Resp: 2399

Ion Ratio Lower Upper

138 100

108 41.4 8.9 13.3#

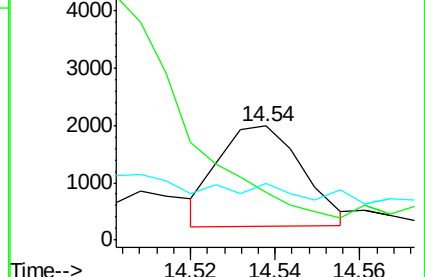
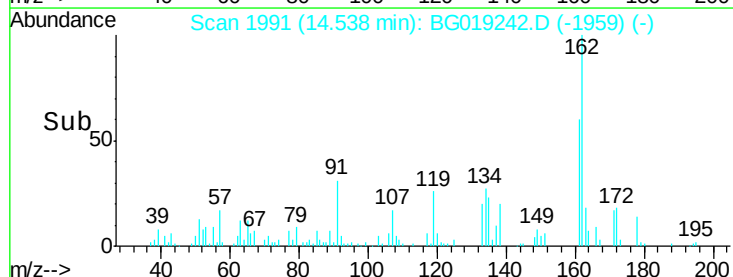
92 49.5 92.4 138.6#

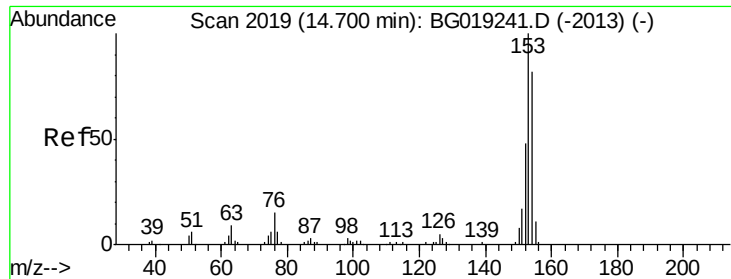


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#50

Acenaphthene

Concen: 2.16 ng/ul

RT: 14.70 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

Instrument :

BNA_G

ClientSampleId :

E5LK2DL

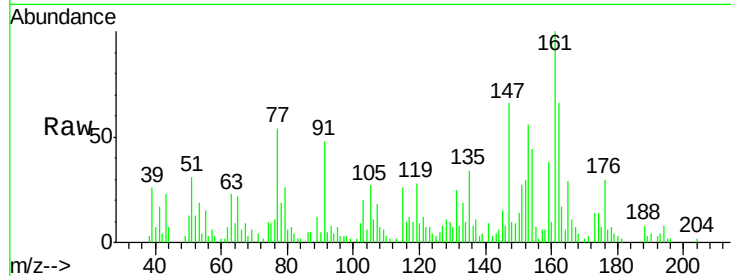
Tot Ion:153 Resp: 7901

Ion Ratio Lower Upper

153 100

152 54.1 36.2 54.2

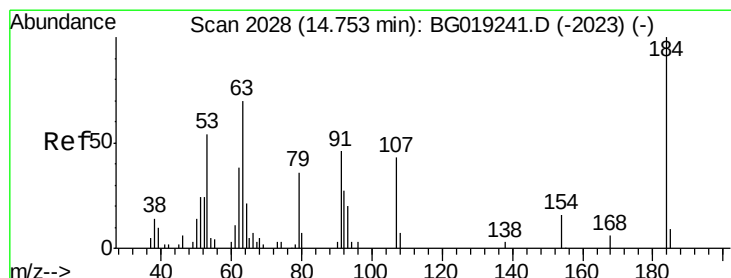
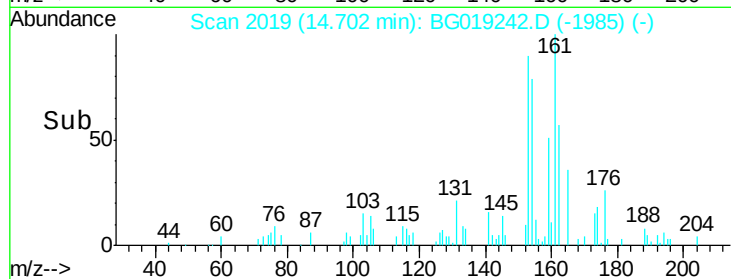
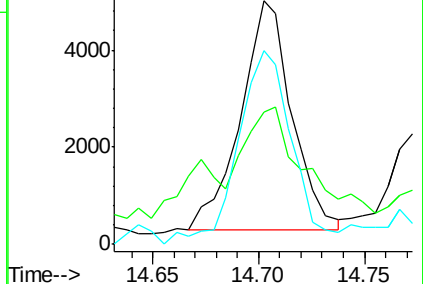
154 79.5 67.5 101.3



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



#51

2,4-Dinitrophenol

Concen: 10.59 ng/ul

RT: 14.81 min Scan# 2037

Delta R.T. 0.05 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

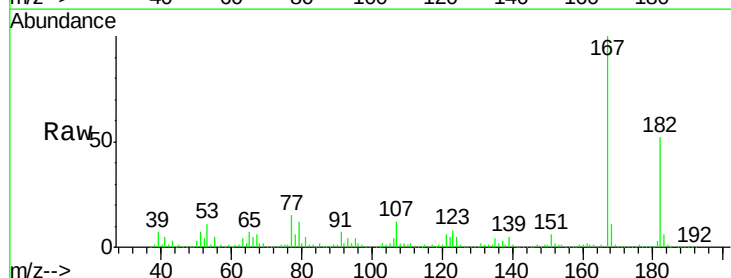
Tgt Ion:184 Resp: 5340

Ion Ratio Lower Upper

184 100

63 524.8 51.0 76.4#

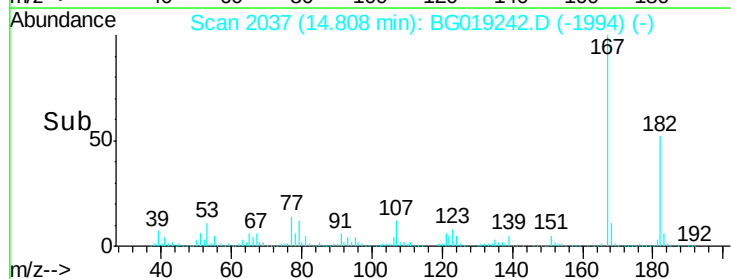
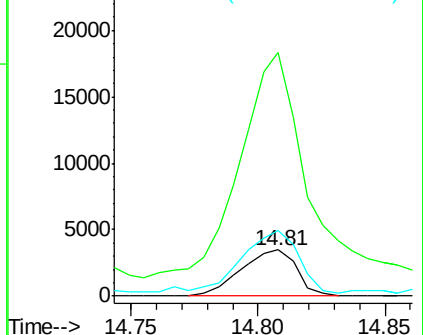
154 142.8 56.5 84.7#

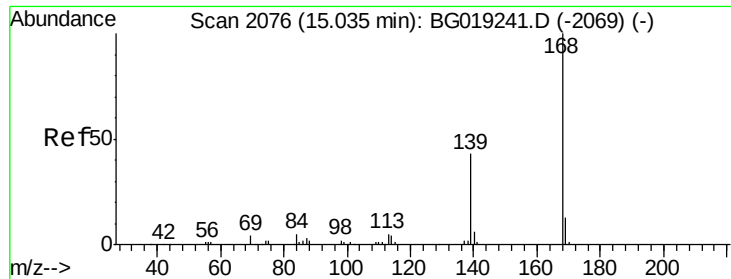


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 9.59 ng/ul

RT: 15.04 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

Instrument :

BNA_G

ClientSampleId :

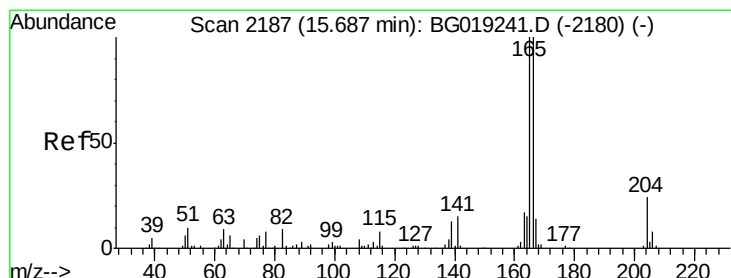
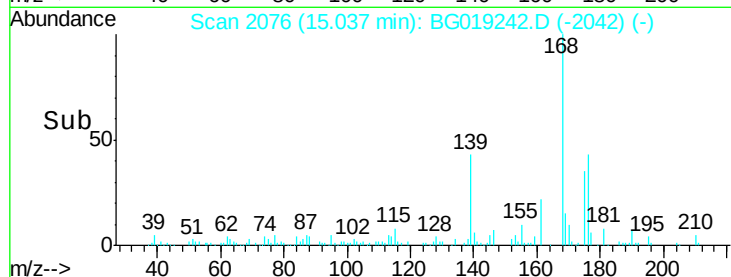
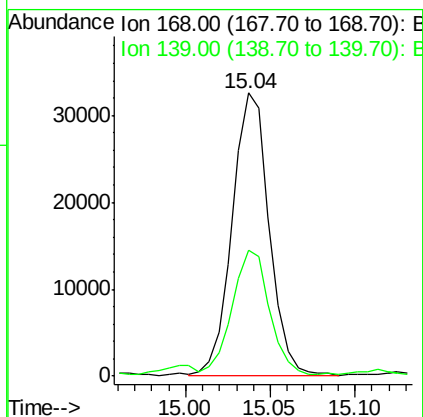
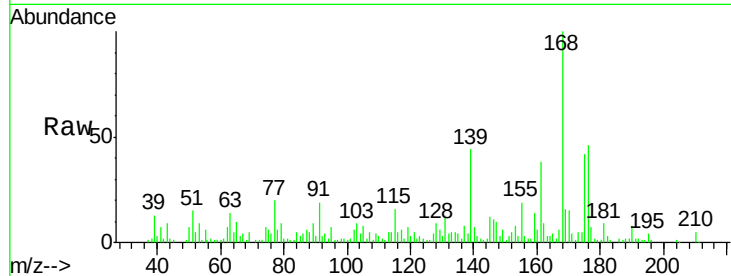
E5LK2DL

Tot Ion:168 Resp: 49630

Ion Ratio Lower Upper

168 100

139 44.3 28.5 42.7#



#59

Fluorene

Concen: 8.21 ng/ul

RT: 15.69 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

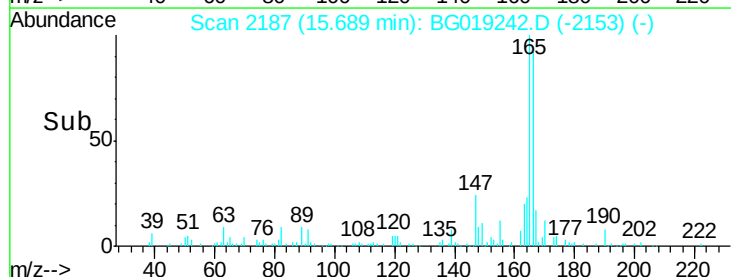
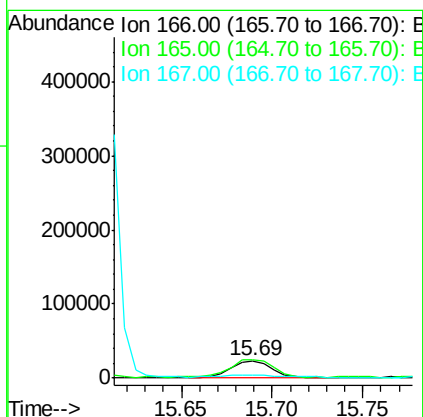
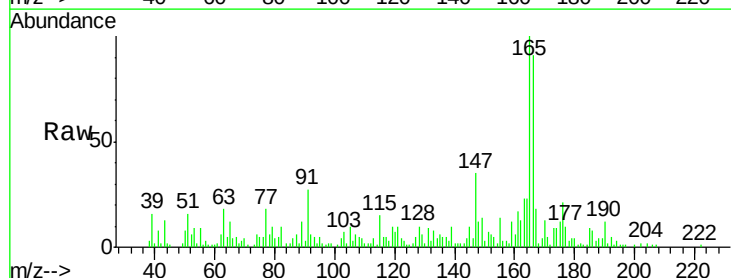
Tgt Ion:166 Resp: 36356

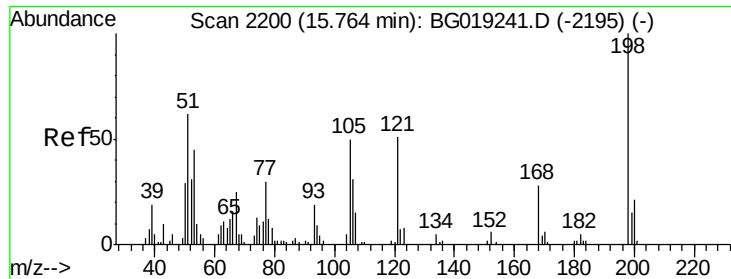
Ion Ratio Lower Upper

166 100

165 109.9 77.7 116.5

167 19.5 10.4 15.6#





#64

4,6-Dinitro-2-methylphenol

Concen: 1.05 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.07 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

Instrument :

BNA_G

ClientSampleId :

E5LK2DL

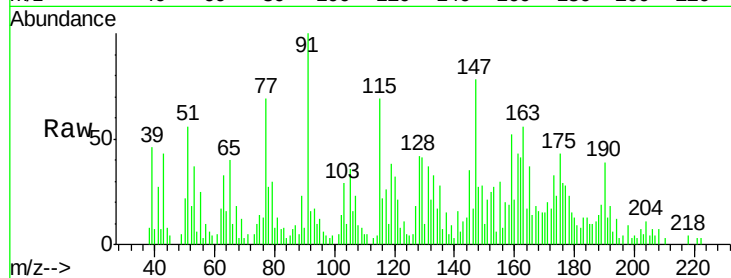
Tot Ion:198 Resp: 753

Ion Ratio Lower Upper

198 100

182 90.0 4.3 6.5#

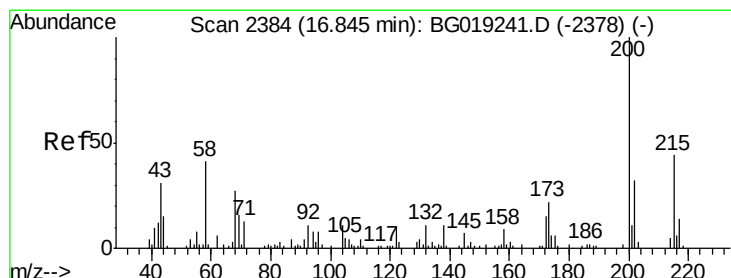
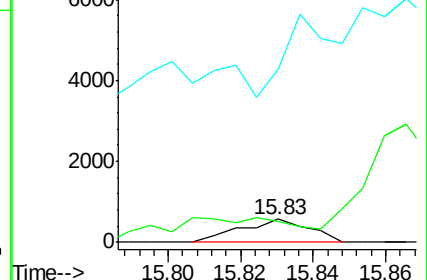
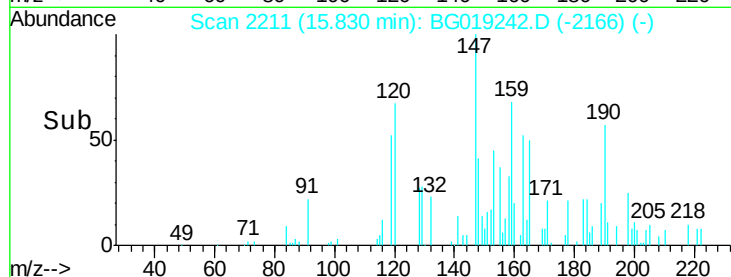
77 748.6 20.2 30.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): B



#68

Atrazine

Concen: 1.77 ng/ul

RT: 16.85 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

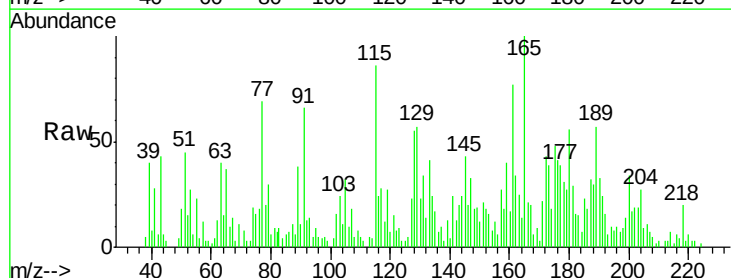
Tgt Ion:200 Resp: 2682

Ion Ratio Lower Upper

200 100

173 115.3 18.5 27.7#

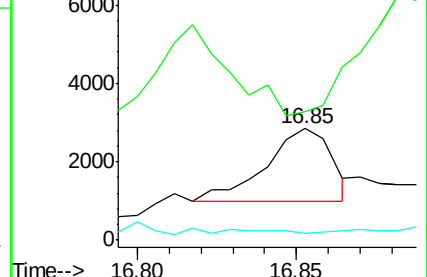
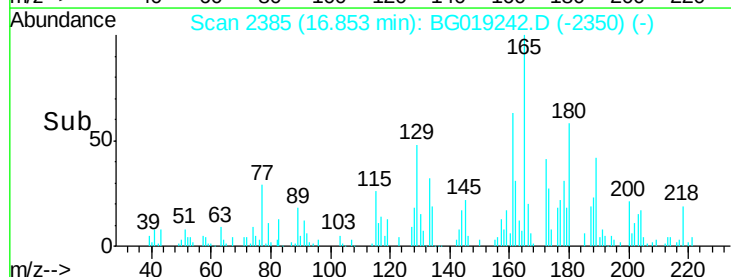
215 6.2 35.9 53.9#

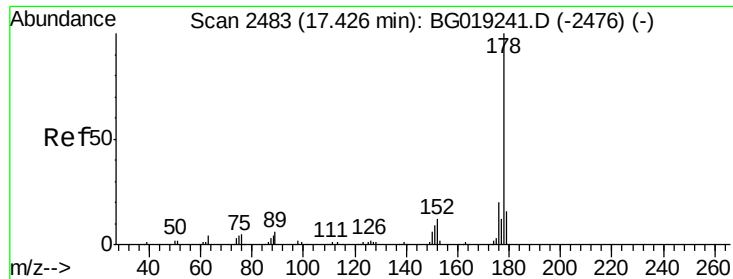


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 29.86 ng/ul

RT: 17.43 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

Instrument :

BNA_G

ClientSampleId :

E5LK2DL

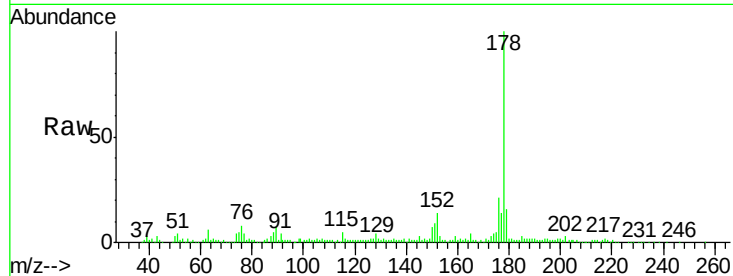
Tot Ion:178 Resp: 191676

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

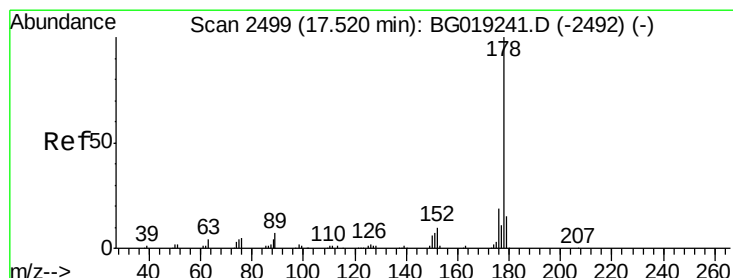
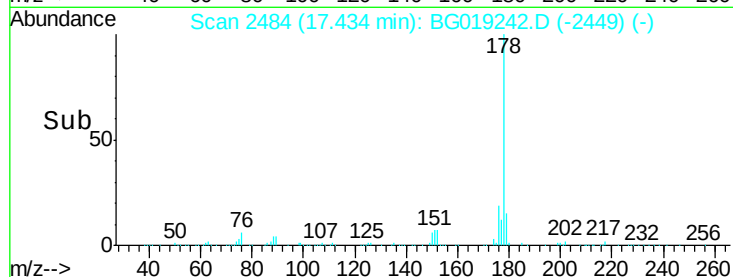
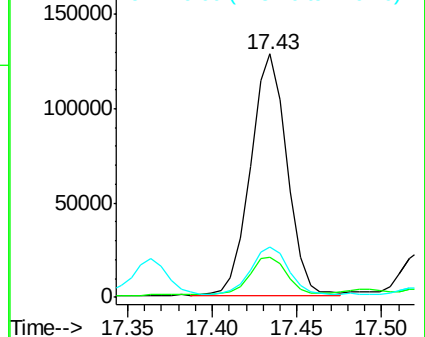
176 20.5 15.4 23.0



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



#72

Anthracene

Concen: 29.39 ng/ul

RT: 17.43 min Scan# 2484

Delta R.T. -0.09 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

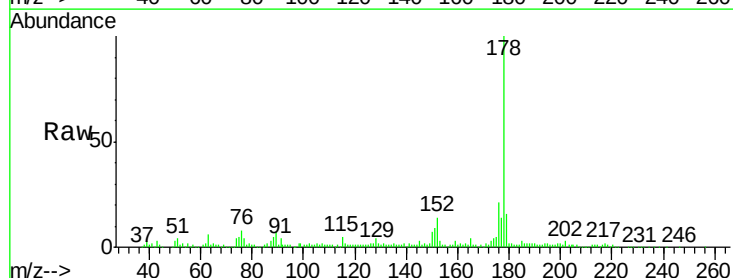
Tgt Ion:178 Resp: 191676

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.4

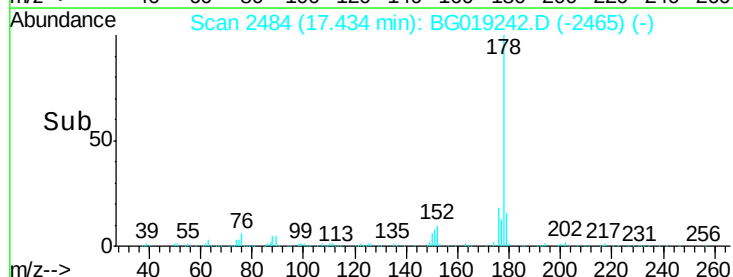
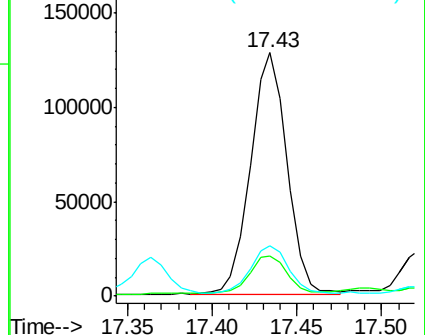
176 20.5 15.0 22.6

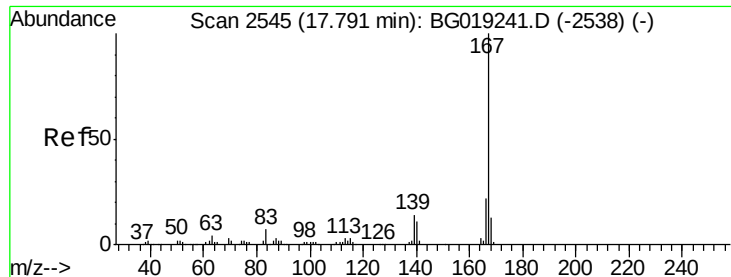


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

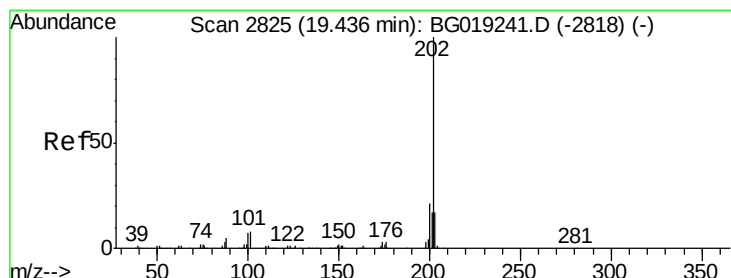
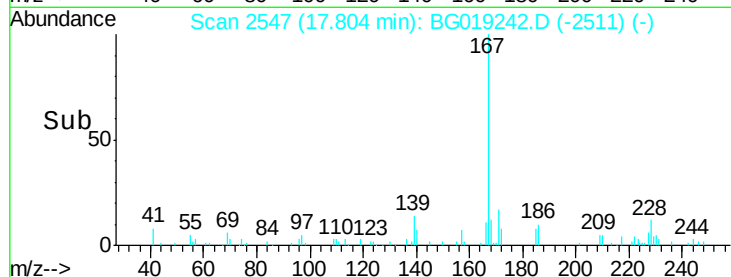
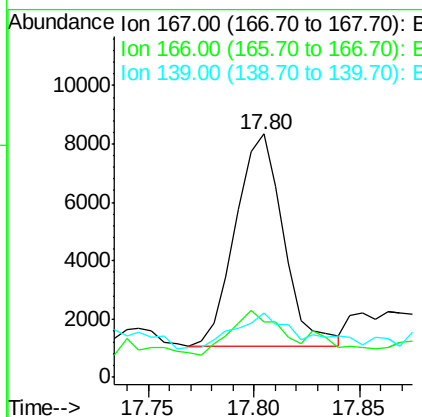
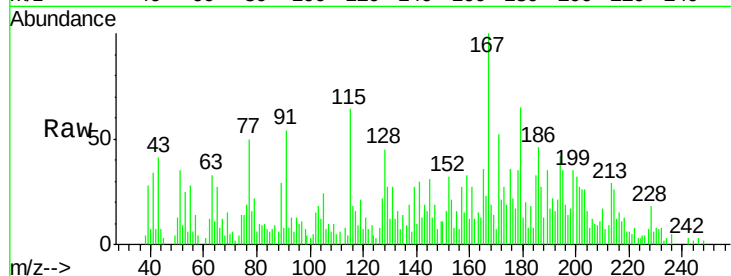




#75
 Carbazole
 Concen: 2.05 ng/ul
 RT: 17.80 min Scan# 2547
 Delta R.T. 0.01 min
 Lab File: BG019242.D
 Acq: 19 Oct 2015 15:32

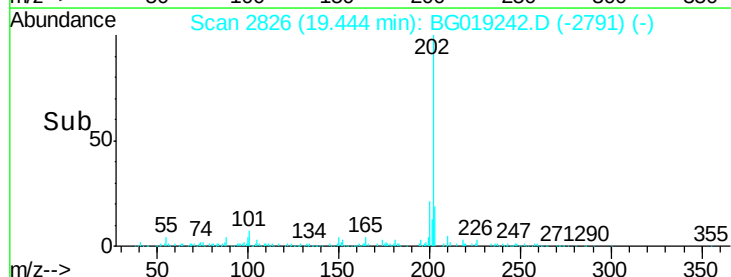
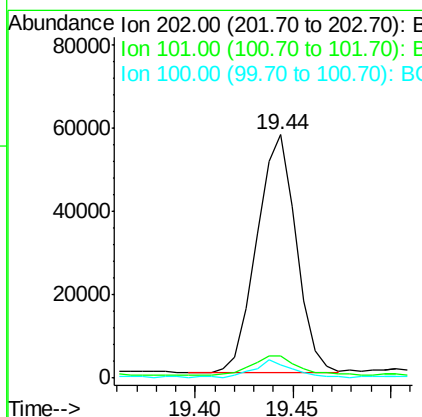
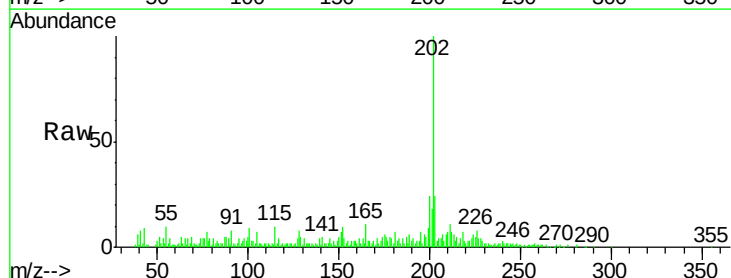
Instrument :
 BNA_G
 ClientSampled :
 E5LK2DL

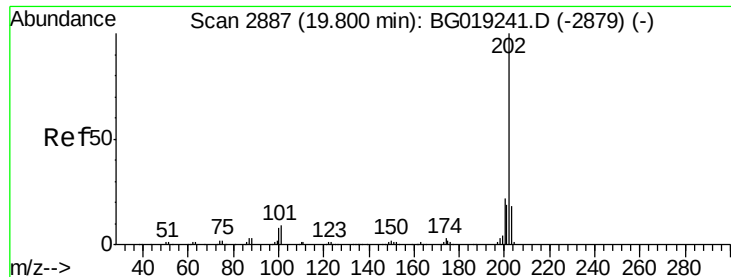
Tot Ion:167 Resp: 11526
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.6 27.8
 139 26.6 9.8 14.8#



#77
 Fluoranthene
 Concen: 9.99 ng/ul
 RT: 19.44 min Scan# 2826
 Delta R.T. 0.01 min
 Lab File: BG019242.D
 Acq: 19 Oct 2015 15:32

Tgt Ion:202 Resp: 80306
 Ion Ratio Lower Upper
 202 100
 101 8.9 9.0 13.4#
 100 5.2 6.9 10.3#

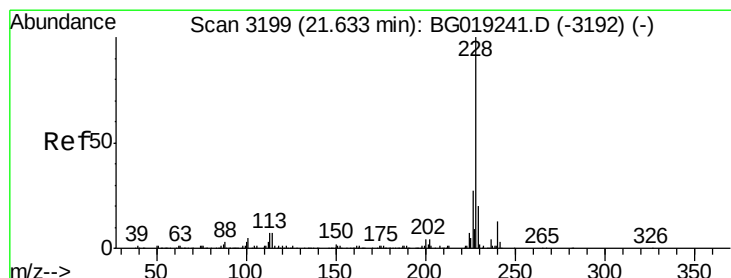
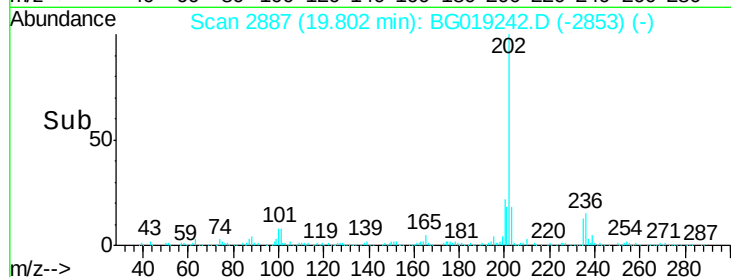
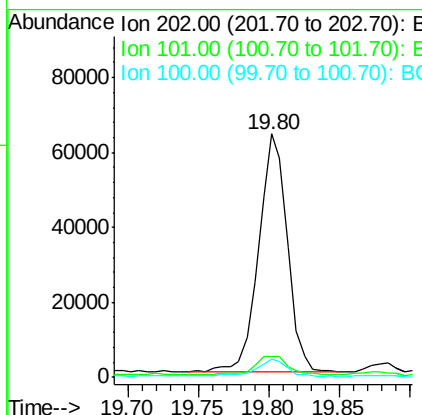
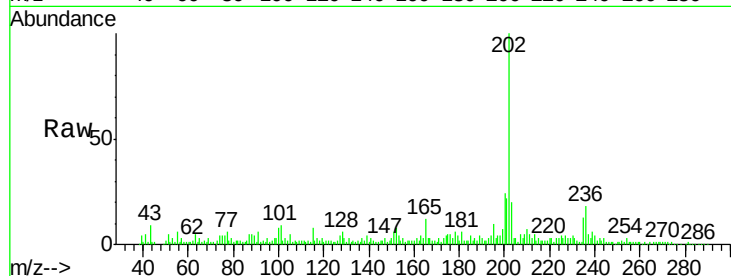




#80
Pvrene
Concen: 11.67 ng/ul
RT: 19.80 min Scan# 2887
Delta R.T. 0.00 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

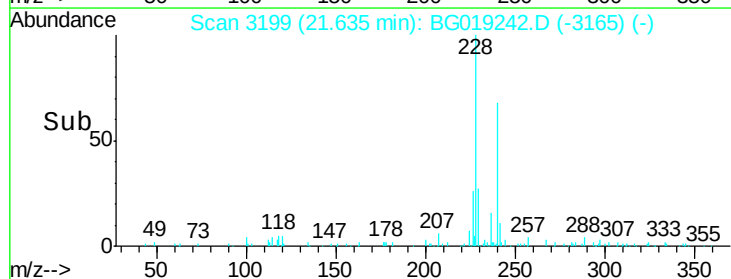
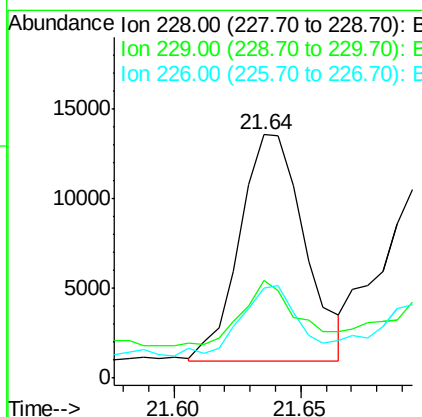
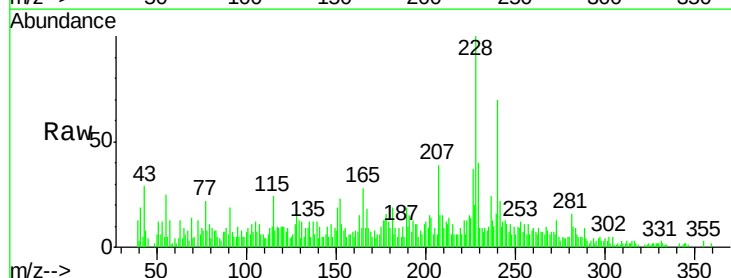
Instrument :
BNA_G
ClientSampleId :
E5LK2DL

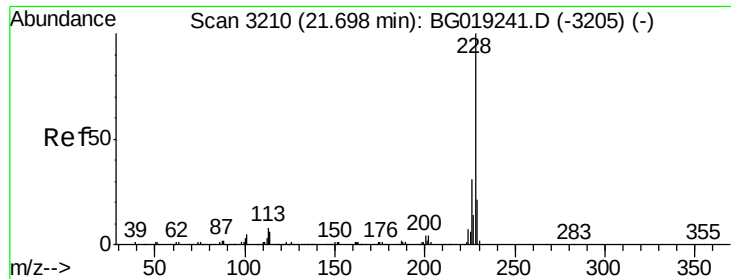
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	10.2	15.2#
100	7.8	8.5	12.7#



#83
Benzo(a)anthracene
Concen: 3.01 ng/ul
RT: 21.64 min Scan# 3199
Delta R.T. 0.00 min
Lab File: BG019242.D
Acq: 19 Oct 2015 15:32

Tgt Ion	Ratio	Lower	Upper
228	100		
229	40.0	16.6	24.8#
226	37.1	22.8	34.2#

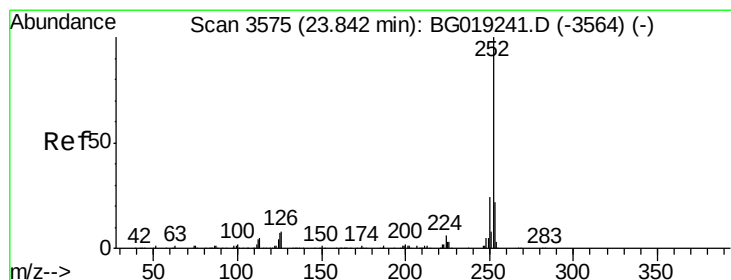
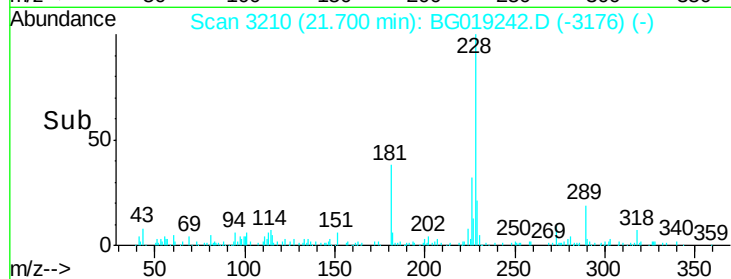
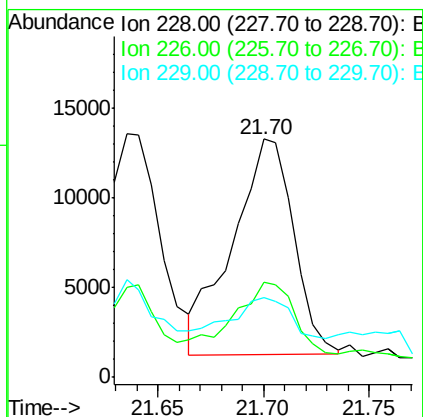
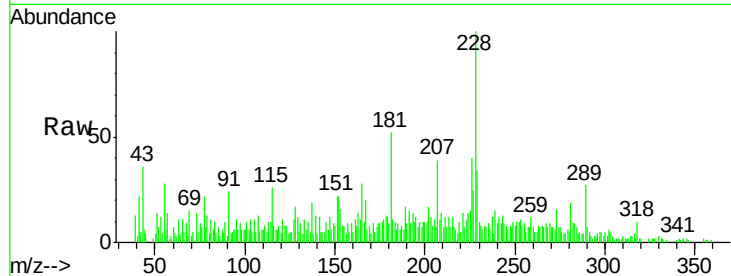




#85
 Chrysene
 Concen: 3.41 ng/ul
 RT: 21.70 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: BG019242.D
 Acq: 19 Oct 2015 15:32

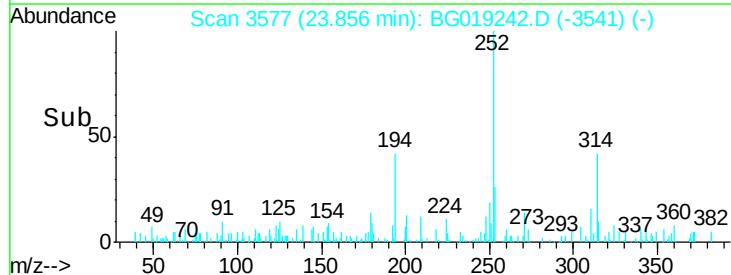
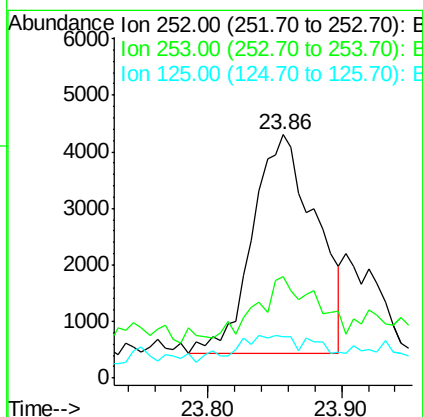
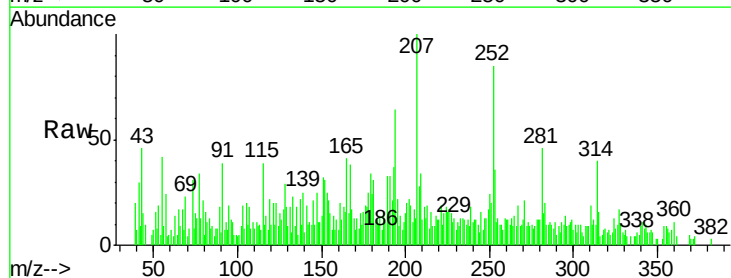
Instrument :
 BNA_G
 ClientSampleId :
 E5LK2DL

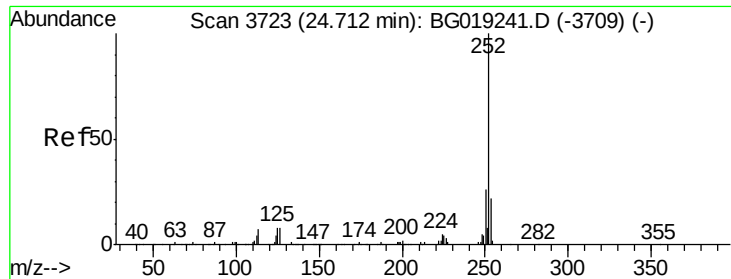
Tot Ion:228 Resp: 24082
 Ion Ratio Lower Upper
 228 100
 226 40.0 24.2 36.2#
 229 33.5 15.6 23.4#



#88
 Benzo(b)fluoranthene
 Concen: 1.70 ng/ul
 RT: 23.86 min Scan# 3577
 Delta R.T. 0.01 min
 Lab File: BG019242.D
 Acq: 19 Oct 2015 15:32

Tgt Ion:252 Resp: 12630
 Ion Ratio Lower Upper
 252 100
 253 41.6 17.4 26.2#
 125 17.0 8.1 12.1#





#91

Benzo(a)pyrene

Concen: 1.20 ng/ul

RT: 24.72 min Scan# 3724

Delta R.T. 0.01 min

Lab File: BG019242.D

Acq: 19 Oct 2015 15:32

Instrument :

BNA_G

ClientSampleId :

E5LK2DL

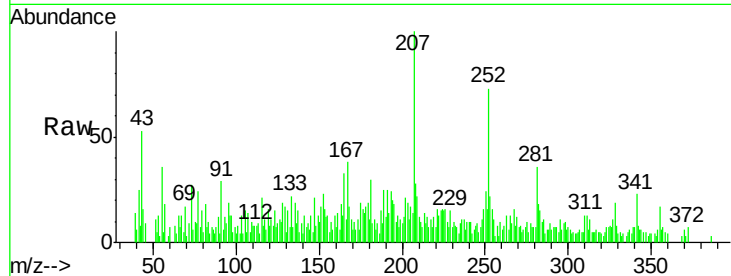
Tot Ion: 252 Resp: 8579

Ion Ratio Lower Upper

252 100

253 30.7 18.1 27.1#

125 11.9 9.4 14.2



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

