

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
 Data File : BG020519.D
 Acq On : 26 Dec 2015 1:03
 Operator : UM/SJ
 Sample : G4847-09
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Quant Time: Dec 26 02:25:35 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 26 02:12:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	17906	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	78486	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	57244	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.56	188	257490	20.00	ng/ul	0.10
78) Chrysene-d12	21.72	240	180269	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	173331	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	562	1.73	ng/uL	0.00
5) Phenol-d5	7.24	99	13394	9.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	31961	37.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	34756	31.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25153	20.81	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22370	36.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	26730	38.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	46184	34.12	ng/ul	0.01
29) 4-Chloroaniline-d4	11.04	131	1513	0.98	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	174784	37.04	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	199697	36.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	6548	8.32	ng/ul	0.00
58) Fluorene-d10	15.70	176	159252	37.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	117	0.07	ng/ul	0.06
71) Anthracene-d10	17.56	188	257339	21.34	ng/ul	0.00
79) Pyrene-d10	19.84	212	302738	38.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	355006	40.51	ng/ul	0.00

Target Compounds

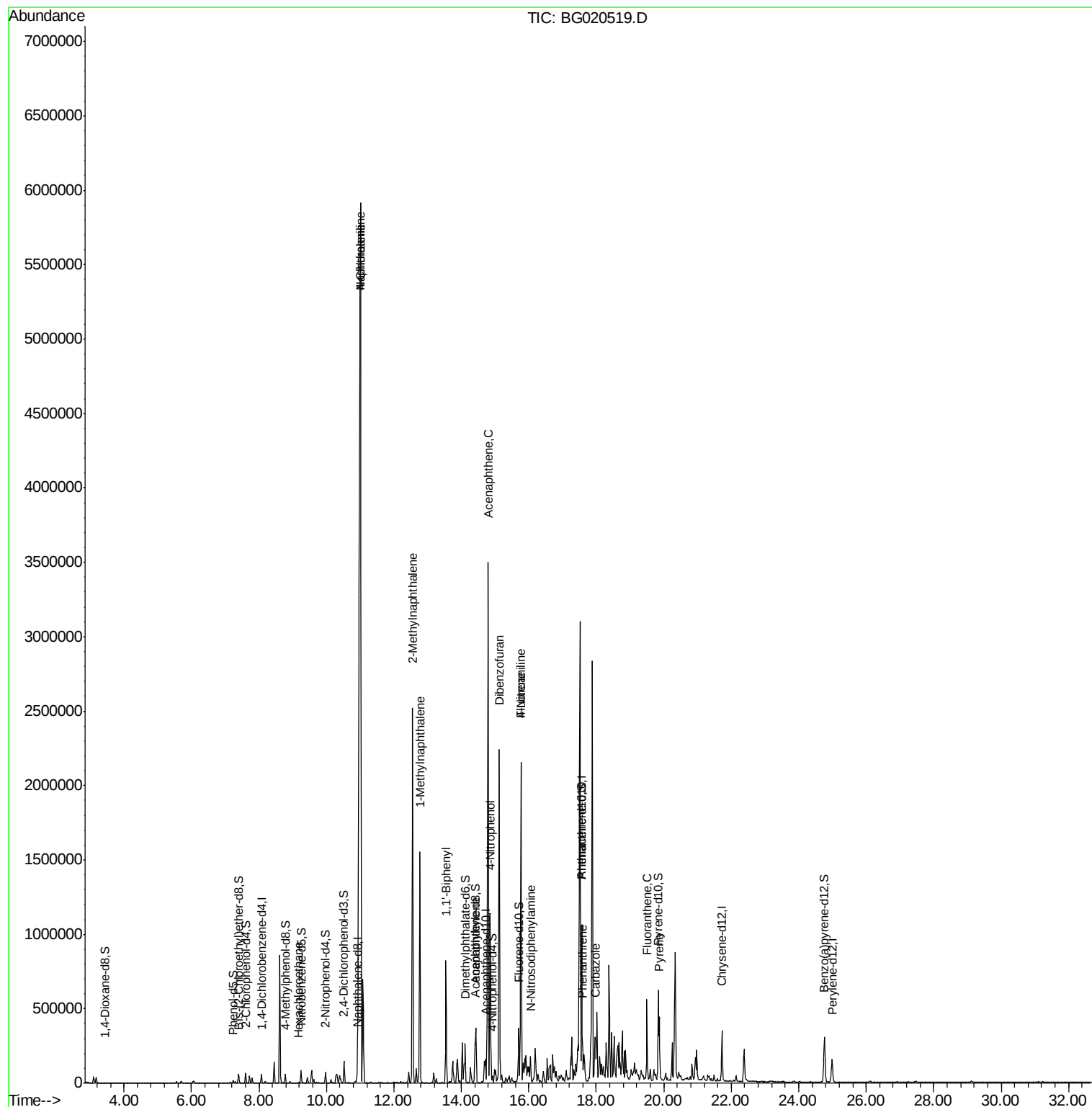
						Qvalue
17) Hexachloroethane	9.18	117	1825	3.76	ng/ul#	1
28) Naphthalene	11.01	128	6751639	1618.23	ng/ul#	54
30) 4-Chloroaniline	11.01	127	1641856	1053.00	ng/ul#	13
34) 2-Methylnaphthalene	12.56	142	1257502	407.34	ng/ul	99
35) 1-Methylnaphthalene	12.78	142	742288	253.12	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	435177	98.50	ng/ul	96
48) Acenaphthylene	14.43	152	205960	35.84	ng/ul	98
50) Acenaphthene	14.80	153	1691794	435.51	ng/ul	92
53) 4-Nitrophenol	14.86	109	990	1.39	ng/ul#	46
54) Dibenzofuran	15.12	168	1398834	242.03	ng/ul	92
59) Fluorene	15.77	166	1076120	229.77	ng/ul	97
61) 4-Nitroaniline	15.77	138	14135	13.97	ng/ul#	14
65) N-Nitrosodiphenylamine	16.05	169	24503	3.40	ng/ul#	29
70) Phenanthrene	17.59	178	91867	6.41	ng/ul#	94
75) Carbazole	17.98	167	118176	9.57	ng/ul#	80
77) Fluoranthene	19.50	202	356844	19.81	ng/ul	98
80) Pyrene	19.87	202	209002	20.50	ng/ul	98

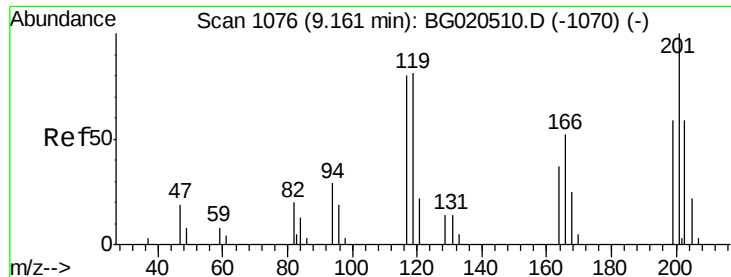
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N73

Quant Time: Dec 26 02:25:35 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 02:12:58 2015
Response via : Initial Calibration

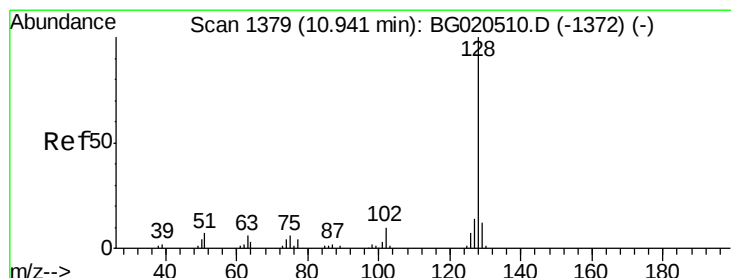
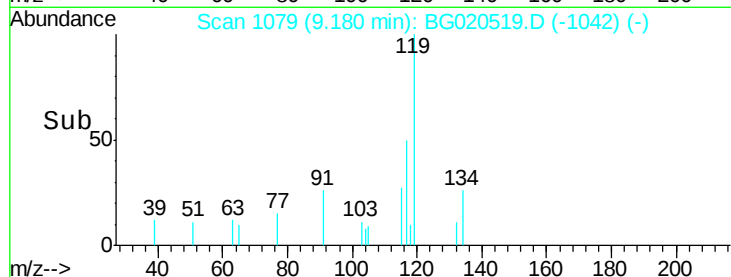
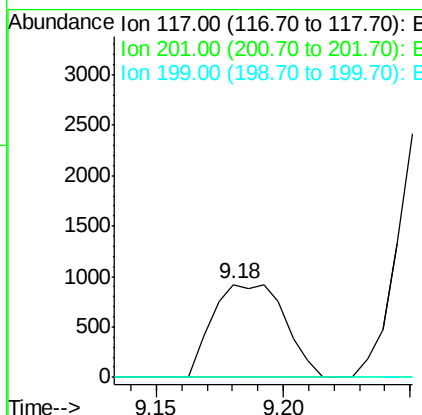
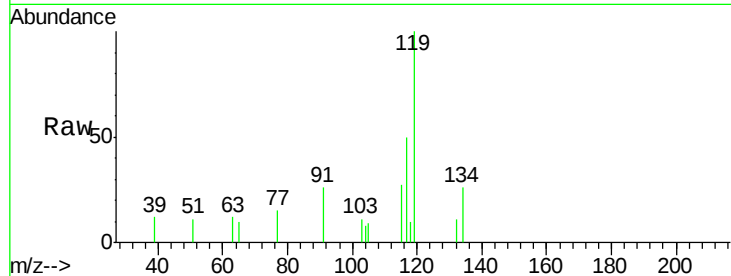




#17
Hexachloroethane
Concen: 3.76 ng/ul
RT: 9.18 min Scan# 1079
Delta R.T. 0.02 min
Lab File: BG020519.D
Acq: 26 Dec 2015 1:03

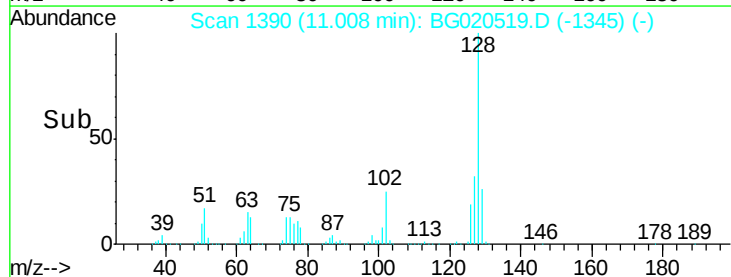
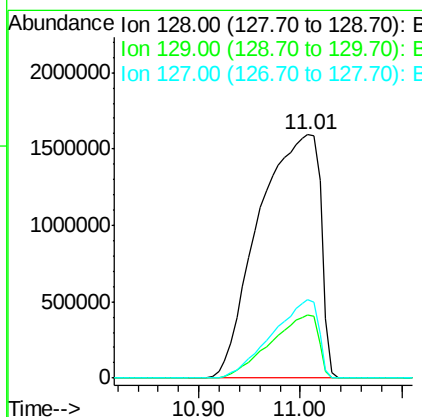
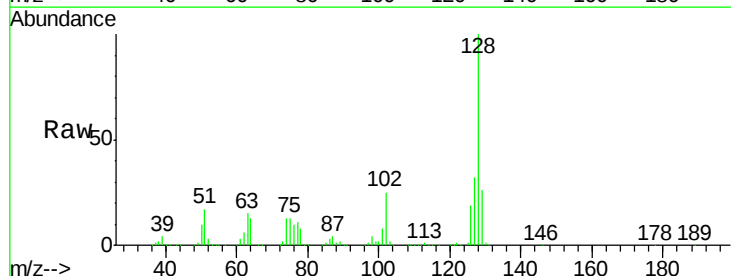
Instrument :
BNA_G
ClientSampleId :
D9N73

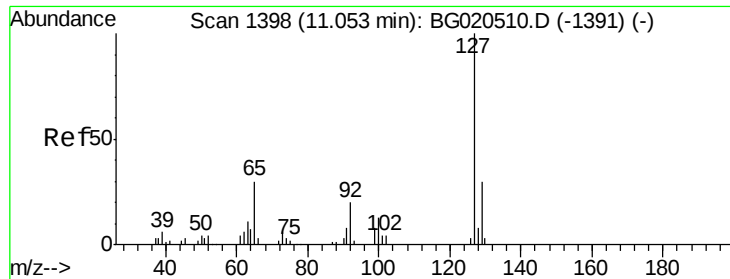
Tgt Ion:117 Resp: 1825
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#



#28
Naphthalene
Concen: 1618.23 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. 0.07 min
Lab File: BG020519.D
Acq: 26 Dec 2015 1:03

Tgt Ion:128 Resp: 6751639
Ion Ratio Lower Upper
128 100
129 26.1 8.6 12.8#
127 32.4 10.1 15.1#





#30

4-Chloroaniline

Concen: 1053.00 ng/ul

RT: 11.01 min Scan# 1390

Delta R.T. -0.05 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

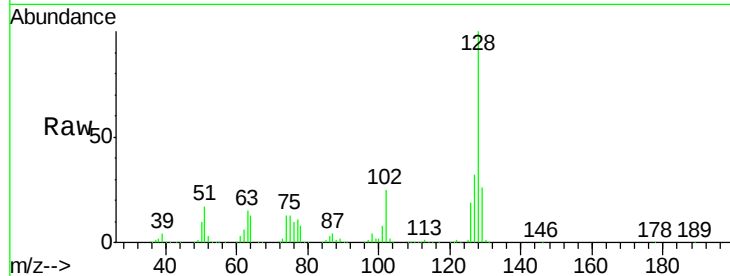
D9N73

Tgt Ion:127 Resp: 1641856

Ion Ratio Lower Upper

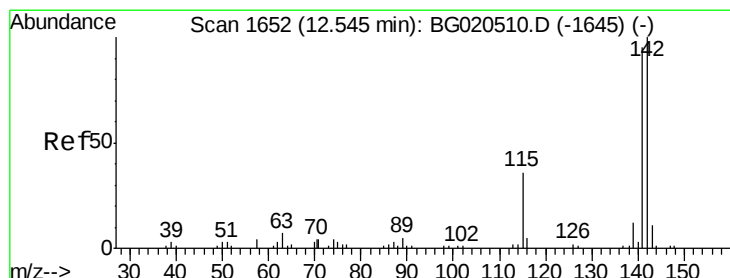
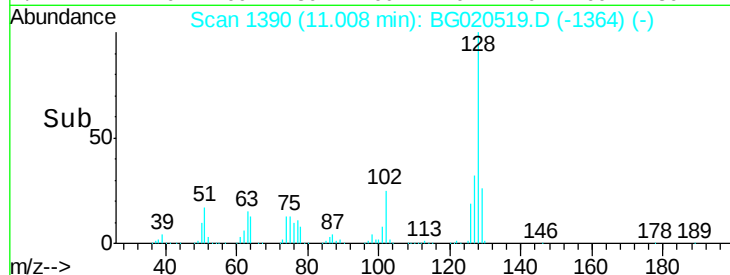
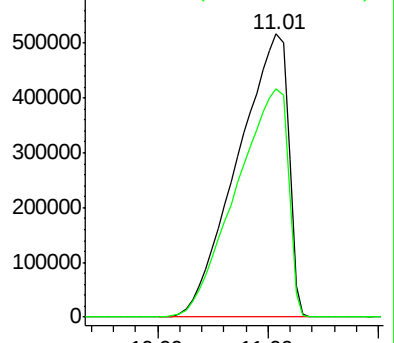
127 100

129 80.6 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 407.34 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BG020519.D

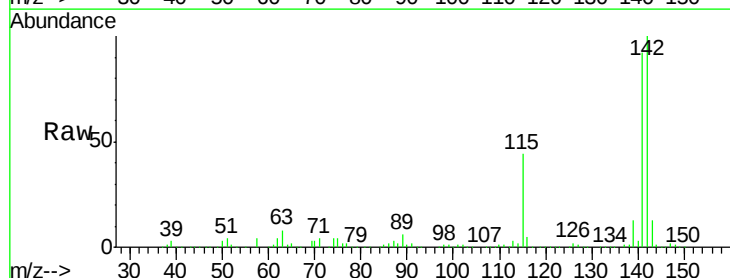
Acq: 26 Dec 2015 1:03

Tgt Ion:142 Resp: 1257502

Ion Ratio Lower Upper

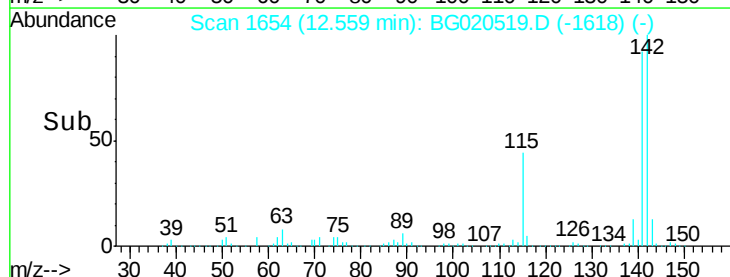
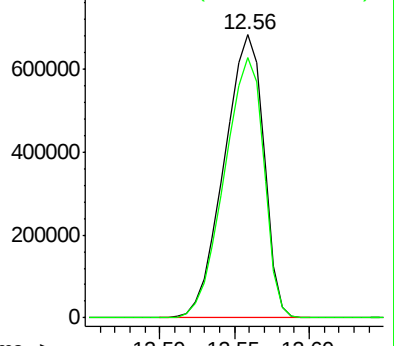
142 100

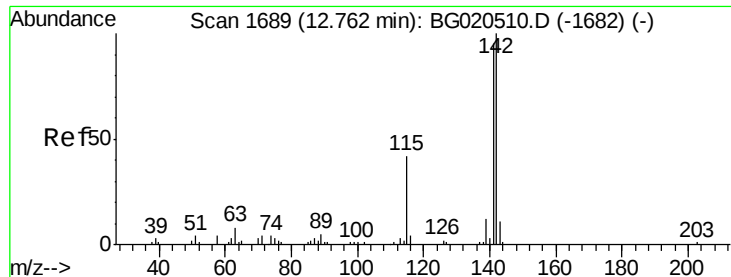
141 92.2 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

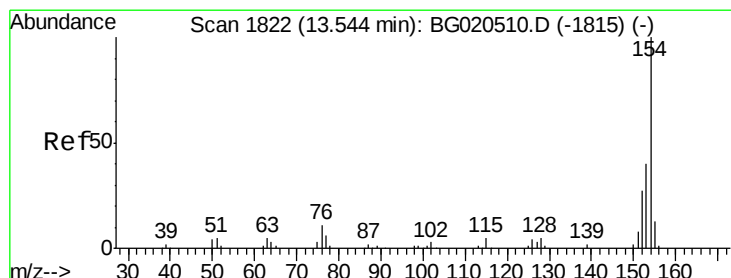
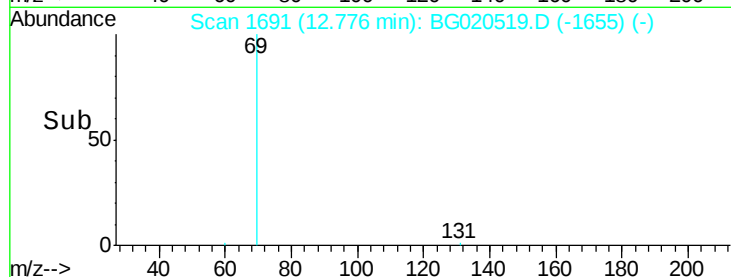
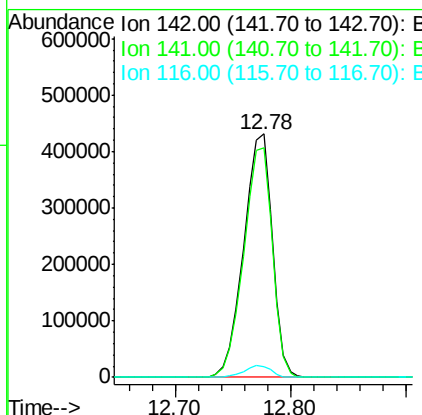
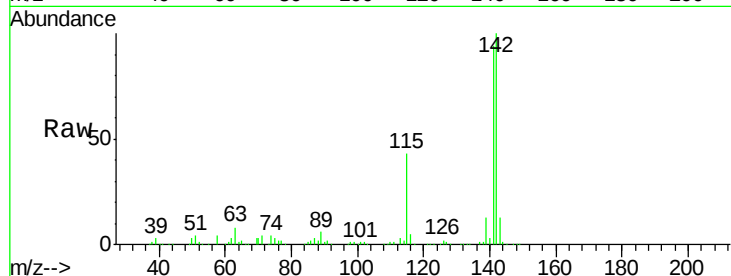




#35
 1-Methylnaphthalene
 Concen: 253.12 ng/ul
 RT: 12.78 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: BG020519.D
 Acq: 26 Dec 2015 1:03

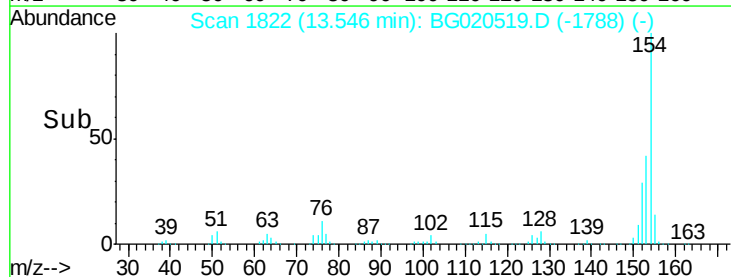
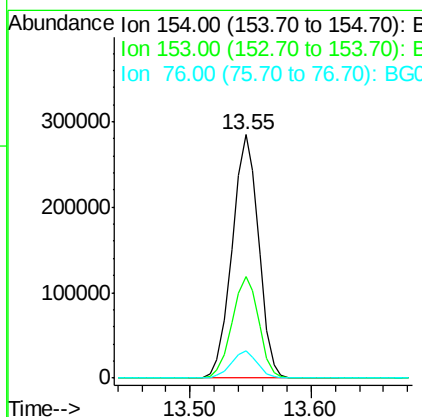
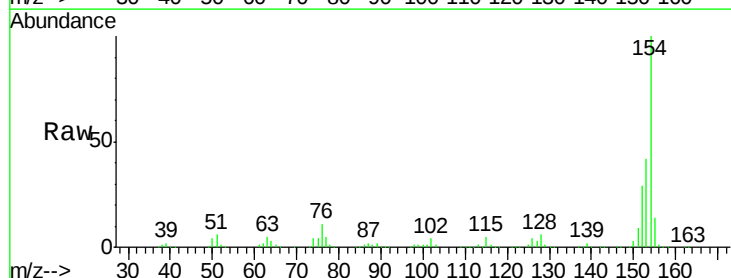
Instrument :
 BNA_G
 ClientSampleId :
 D9N73

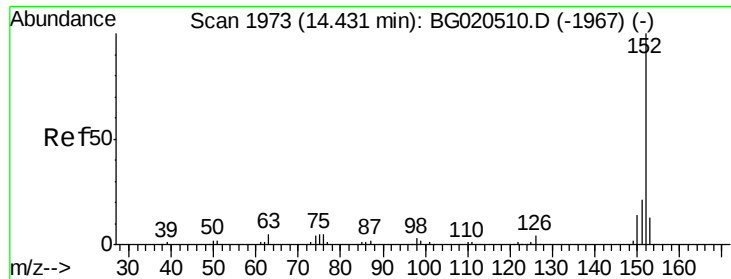
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.1	73.0	109.6
116	4.5	3.0	4.6



#41
 1,1'-Biphenyl
 Concen: 98.50 ng/ul
 RT: 13.55 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020519.D
 Acq: 26 Dec 2015 1:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.9	35.5	53.3
76	11.2	10.4	15.6





#48

Acenaphthylene

Concen: 35.84 ng/ul

RT: 14.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

D9N73

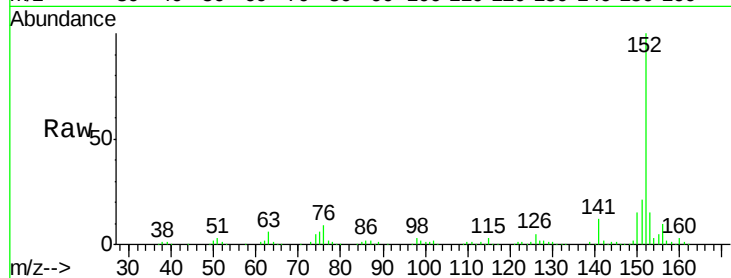
Tgt Ion:152 Resp: 205960

Ion Ratio Lower Upper

152 100

151 20.8 16.4 24.6

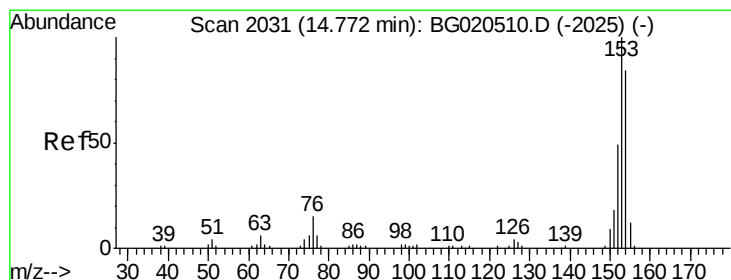
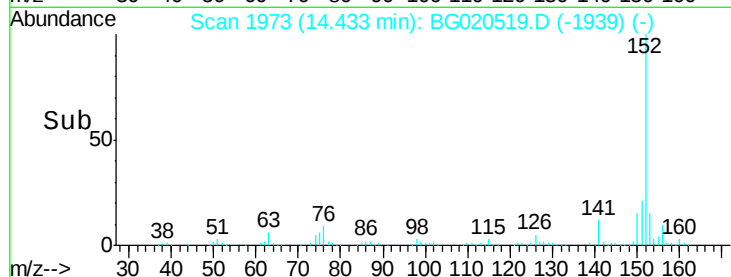
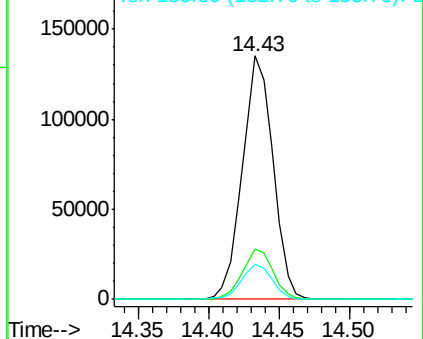
153 14.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 435.51 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.03 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

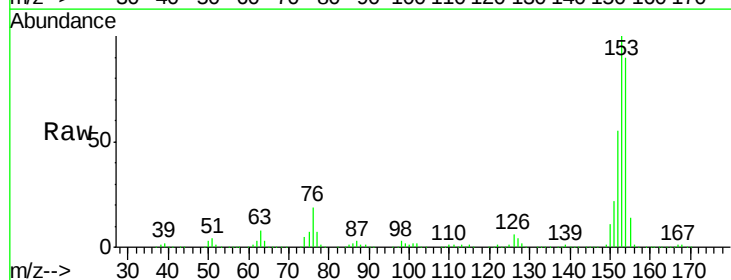
Tgt Ion:153 Resp: 1691794

Ion Ratio Lower Upper

153 100

152 55.0 37.6 56.4

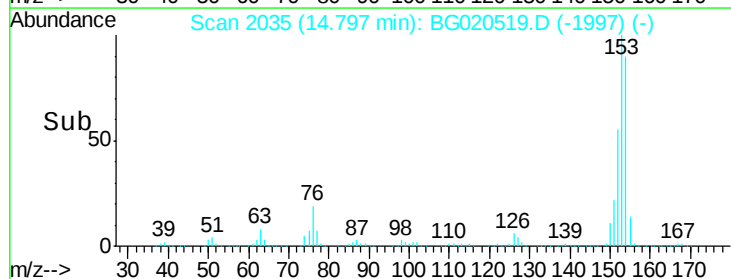
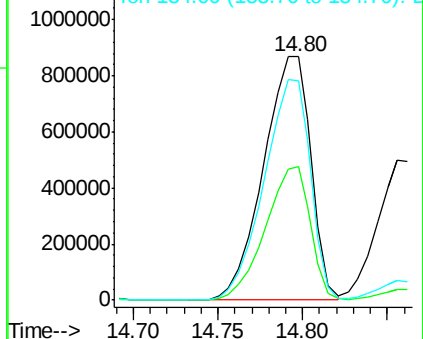
154 89.9 67.9 101.9

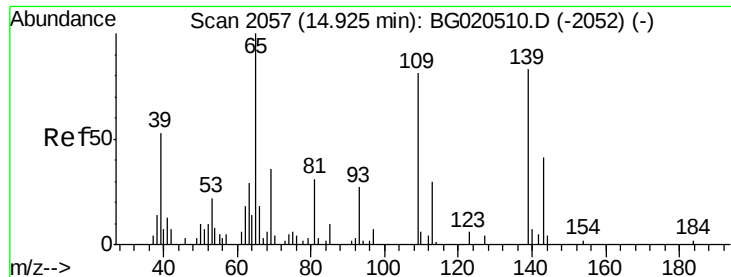


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

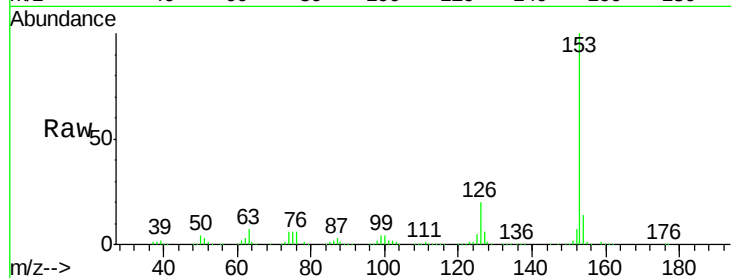




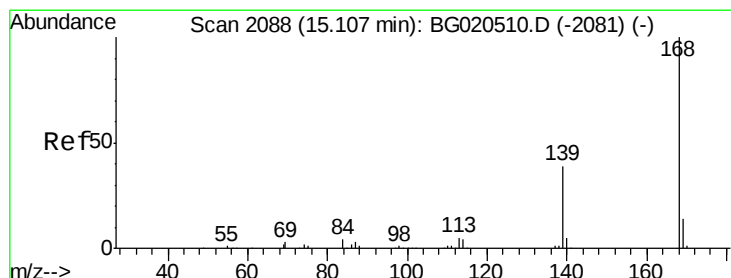
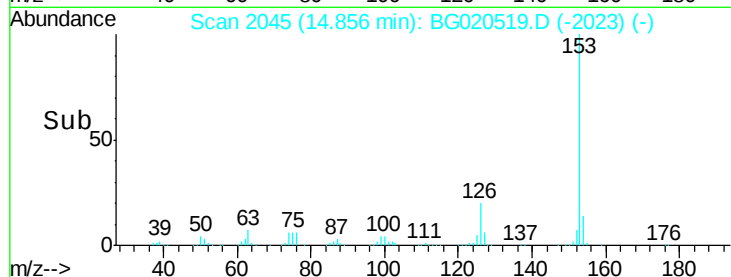
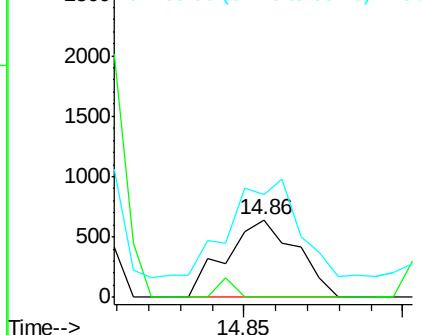
#53
4-Nitrophenol
Concen: 1.39 ng/ul
RT: 14.86 min Scan# 2045
Delta R.T. -0.07 min
Lab File: BG020519.D
Acq: 26 Dec 2015 1:03

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:109 Resp: 990
Ion Ratio Lower Upper
109 100
139 0.0 80.5 120.7#
65 131.7 93.4 140.2

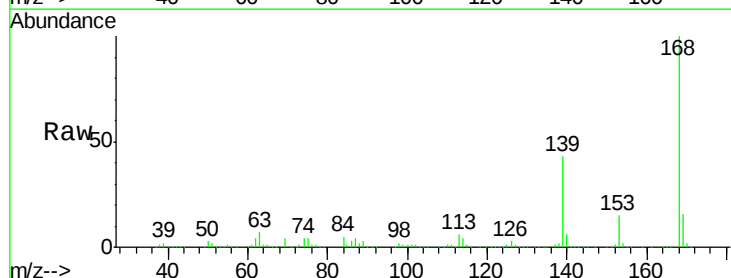


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): B

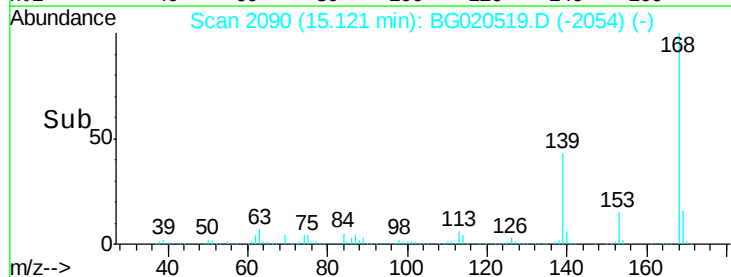
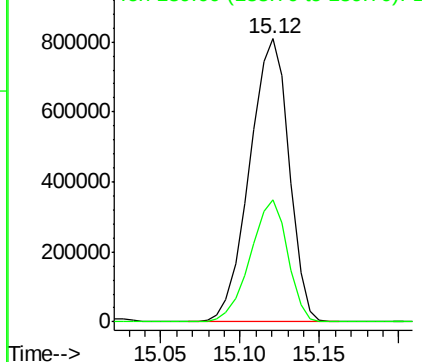


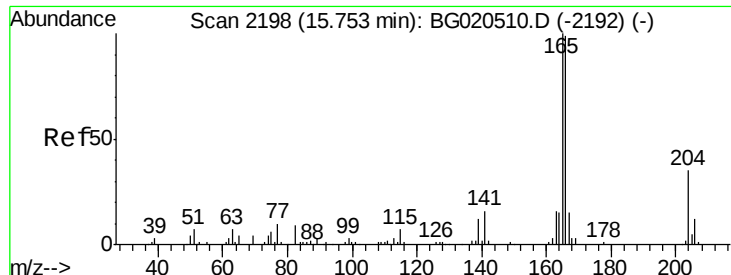
#54
Dibenzofuran
Concen: 242.03 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.01 min
Lab File: BG020519.D
Acq: 26 Dec 2015 1:03

Tgt Ion:168 Resp: 1398834
Ion Ratio Lower Upper
168 100
139 43.1 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 229.77 ng/ul

RT: 15.77 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

D9N73

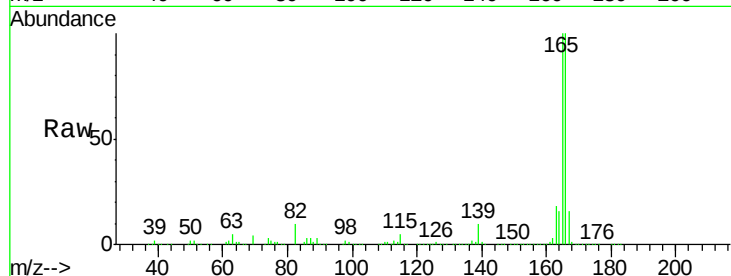
Tgt Ion:166 Resp: 1076120

Ion Ratio Lower Upper

166 100

165 99.5 81.4 122.0

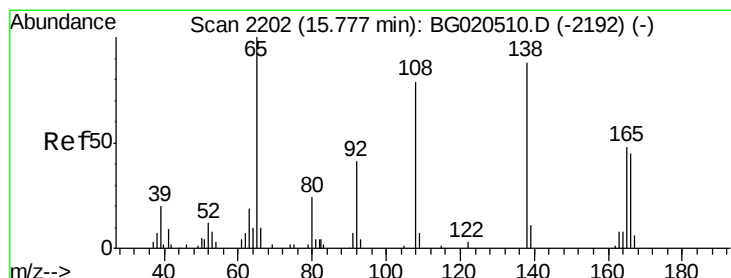
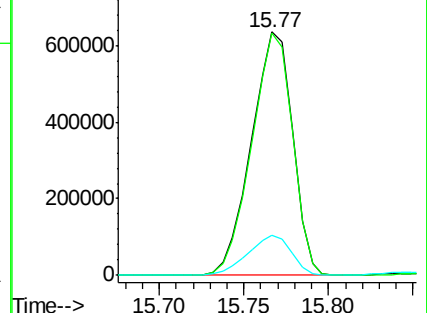
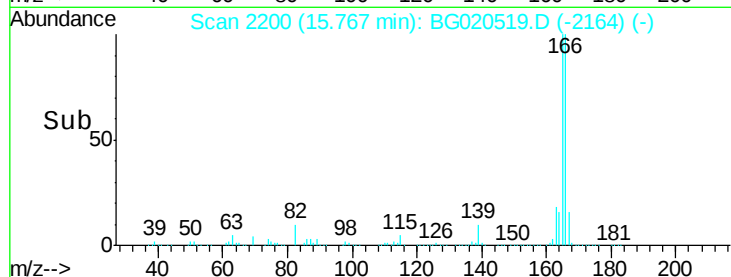
167 16.3 11.2 16.8



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



#61

4-Nitroaniline

Concen: 13.97 ng/ul

RT: 15.77 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

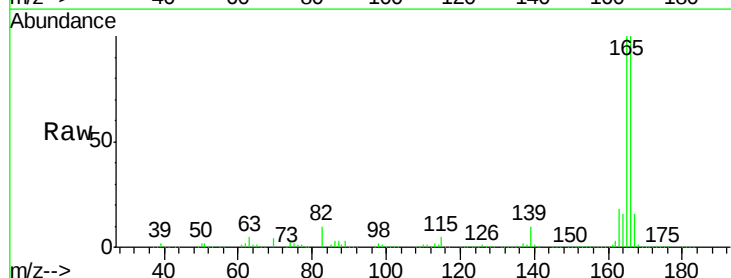
Tgt Ion:138 Resp: 14135

Ion Ratio Lower Upper

138 100

92 2.3 45.2 67.8#

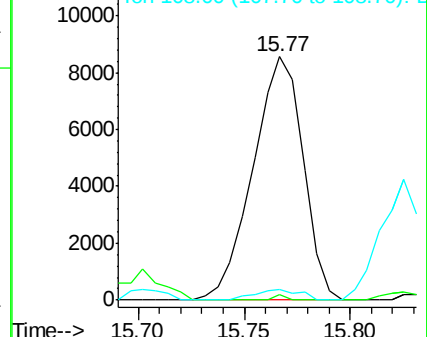
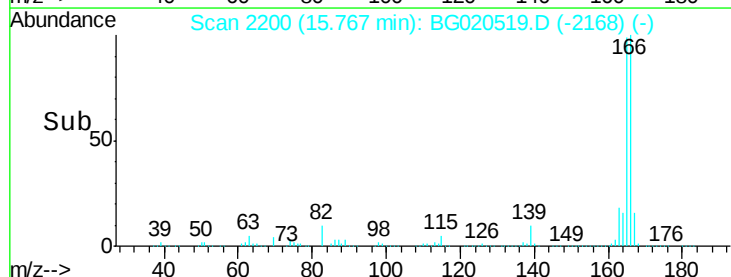
108 4.3 75.4 113.0#

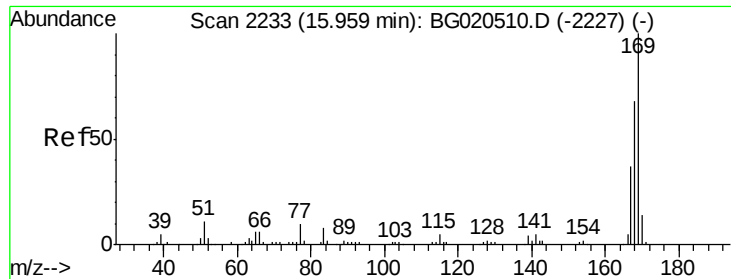


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#65

N-Nitrosodiphenylamine

Concen: 3.40 ng/ul

RT: 16.05 min Scan# 2248

Delta R.T. 0.09 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

D9N73

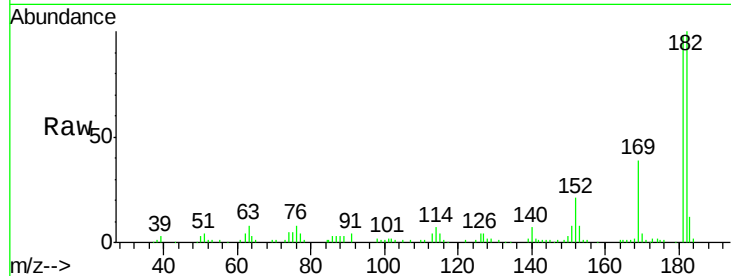
Tgt Ion:169 Resp: 24503

Ion Ratio Lower Upper

169 100

168 5.6 54.3 81.5#

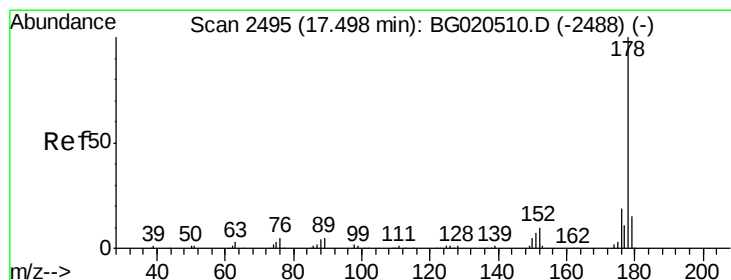
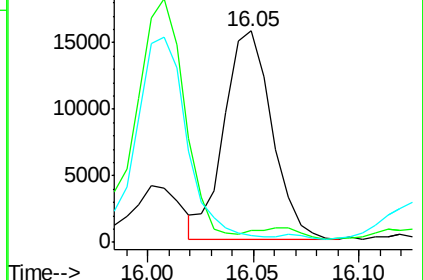
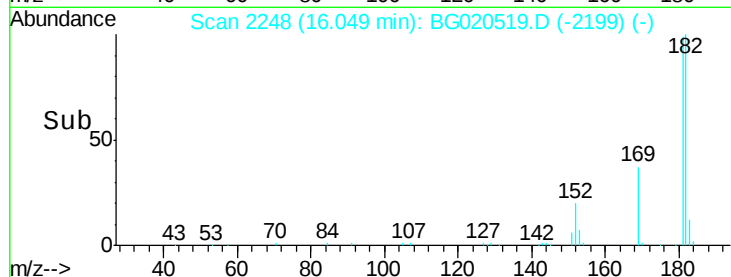
167 3.1 31.8 47.8#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 6.41 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.10 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

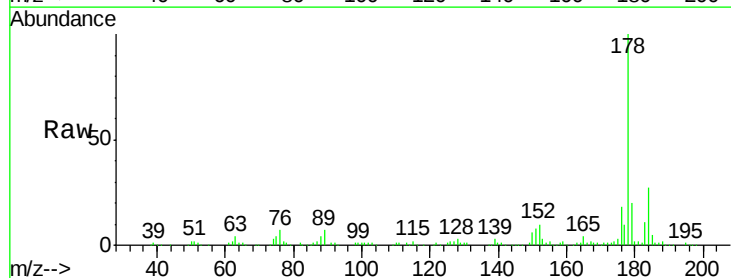
Tgt Ion:178 Resp: 91867

Ion Ratio Lower Upper

178 100

179 19.8 12.9 19.3#

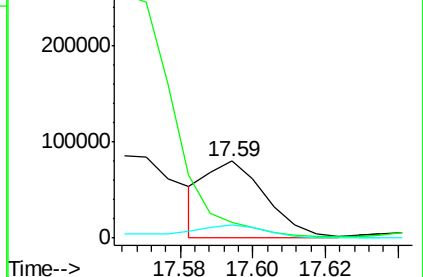
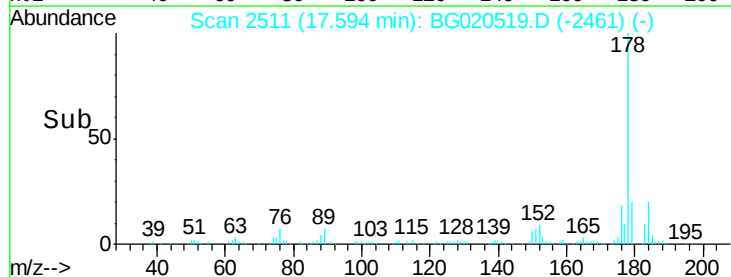
176 17.8 15.3 22.9

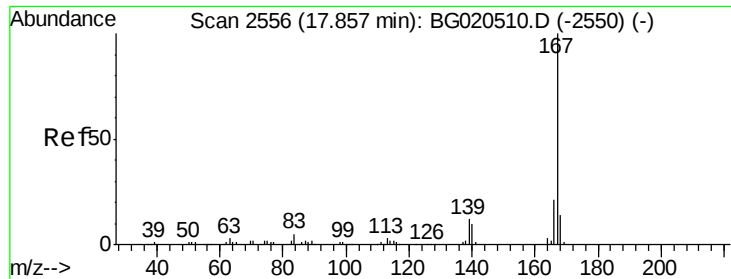


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 9.57 ng/ul

RT: 17.98 min Scan# 2576

Delta R.T. 0.12 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

D9N73

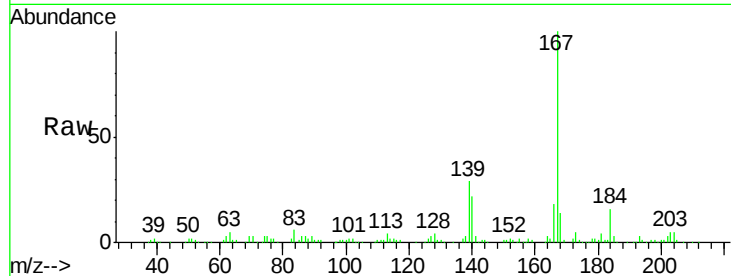
Tgt Ion:167 Resp: 118176

Ion Ratio Lower Upper

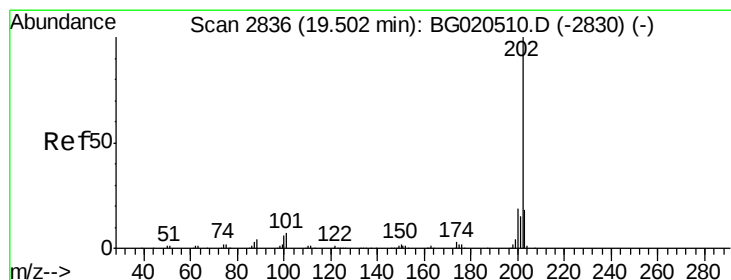
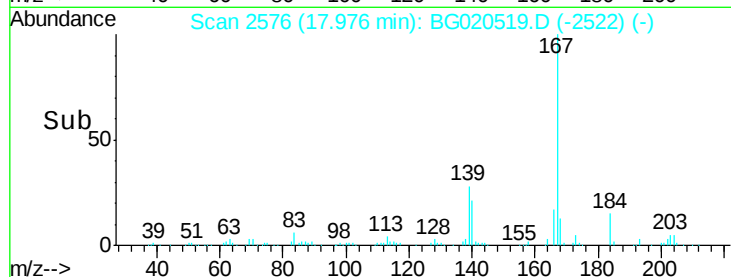
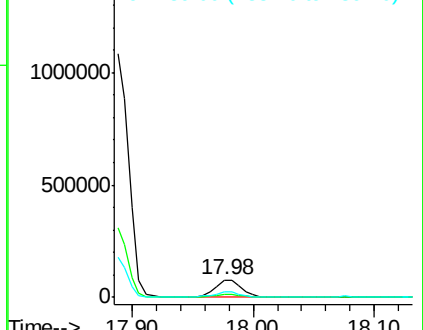
167 100

166 17.7 17.0 25.6

139 29.0 10.1 15.1#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 19.81 ng/ul

RT: 19.50 min Scan# 2836

Delta R.T. 0.00 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

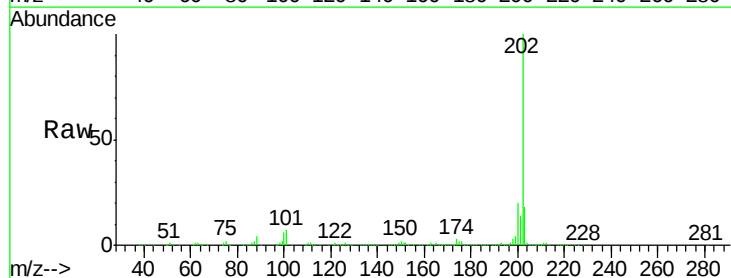
Tgt Ion:202 Resp: 356844

Ion Ratio Lower Upper

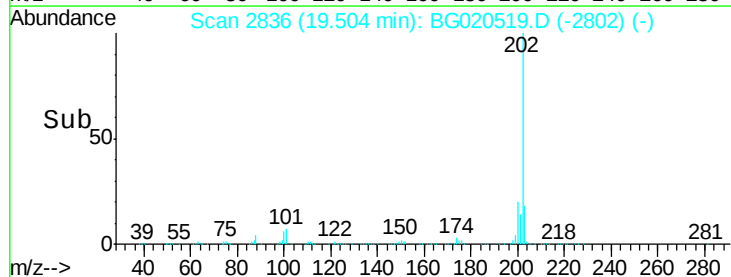
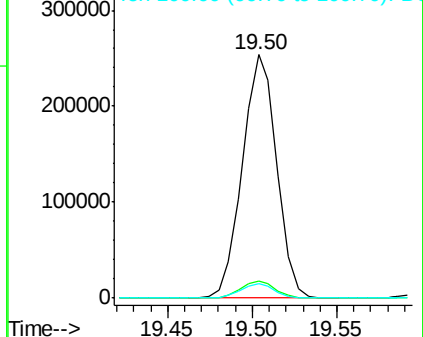
202 100

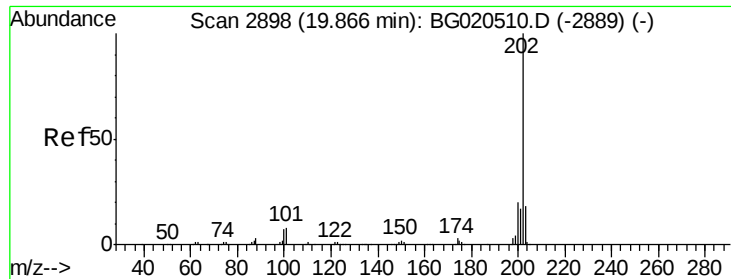
101 7.1 6.2 9.4

100 5.8 5.1 7.7



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





#80

Pyrene

Concen: 20.50 ng/ul

RT: 19.87 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG020519.D

Acq: 26 Dec 2015 1:03

Instrument :

BNA_G

ClientSampleId :

D9N73

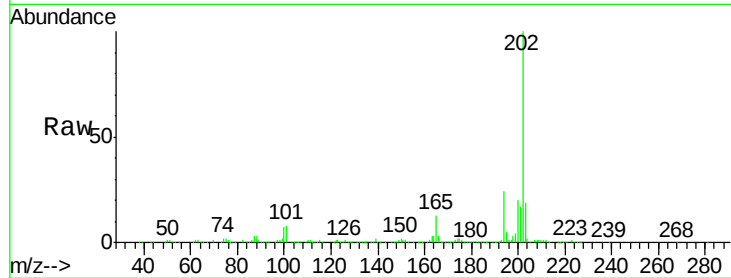
Tgt Ion: 202 Resp: 209002

Ion Ratio Lower Upper

202 100

101 8.0 7.0 10.4

100 7.4 6.4 9.6



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

200000

150000

100000

50000

0

19.80 19.87 19.90 20.00

Time-->

