

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
 Data File : BG020540.D
 Acq On : 26 Dec 2015 14:50
 Operator : UM/SJ
 Sample : G4802-19
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D94

Quant Time: Dec 28 01:25:49 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 01:15:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	18895	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	81408	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	57400	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	134010	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	165717	20.00	ng/ul	0.02
86) Perylene-d12	25.03	264	171128	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	822	2.40	ng/uL	0.00
5) Phenol-d5	7.23	99	23957	15.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	14505	16.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	19505	16.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	18634	14.61	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	10964	17.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	12651	17.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	23206	16.53	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	11620	7.24	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	75489	15.96	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	97838	17.85	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	9811	12.44	ng/ul	0.00
58) Fluorene-d10	15.70	176	73026	17.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	8154	9.18	ng/ul	0.01
71) Anthracene-d10	17.56	188	114119	18.18	ng/ul	0.00
79) Pyrene-d10	19.85	212	132927	18.53	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.80	264	151769	17.54	ng/ul	0.04

Target Compounds

					Qvalue
28) Naphthalene	10.94	128	43965	10.16 ng/ul	97
30) 4-Chloroaniline	10.94	127	5842	3.61 ng/ul#	18
32) Caprolactam	11.70	113	567	1.22 ng/ul#	18
34) 2-Methylnaphthalene	12.54	142	24277	7.58 ng/ul	99
35) 1-Methylnaphthalene	12.76	142	16465	5.41 ng/ul	94
41) 1,1'-Biphenyl	13.54	154	5652	1.28 ng/ul	96
45) Dimethylphthalate	14.15	163	31585	6.57 ng/ul	97
48) Acenaphthylene	14.44	152	84793	14.72 ng/ul	98
50) Acenaphthene	14.77	153	16503	4.24 ng/ul	98
54) Dibenzofuran	15.11	168	21446	3.70 ng/ul	98
59) Fluorene	15.76	166	35120	7.48 ng/ul	99
70) Phenanthrene	17.50	178	794707	106.58 ng/ul	98
72) Anthracene	17.59	178	185796	24.37 ng/ul	98
75) Carbazole	17.86	167	31378	4.88 ng/ul	96
77) Fluoranthene	19.66	202	82245	8.77 ng/ul	98
80) Pyrene	19.78	202	60603	6.47 ng/ul	98
83) Benzo(a)anthracene	21.73	228	1312980	134.91 ng/ul#	90
85) Chrysene	21.80	228	1229976	132.68 ng/ul#	89
88) Benzo(b)fluoranthene	24.01	252	1599800	155.75 ng/ul	95
89) Benzo(k)fluoranthene	24.05	252	490385	49.39 ng/ul	97
91) Benzo(a)pyrene	24.90	252	1314914	133.19 ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.81	276	825854	69.84 ng/ul	95
93) Dibenzo(a,h)anthracene	28.83	278	229891	23.43 ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration

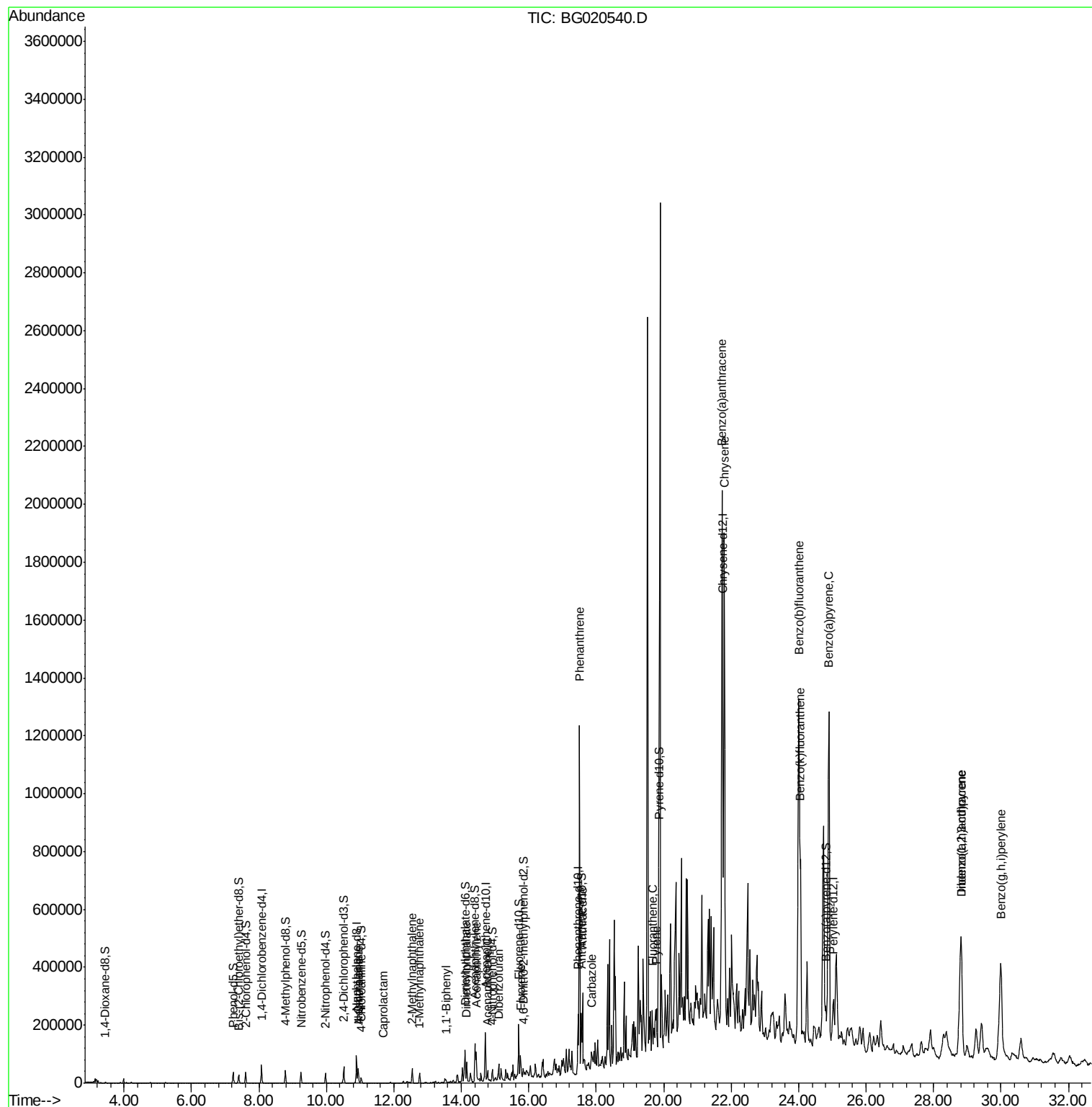
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.99	276	796837	82.05	ng/ul	99

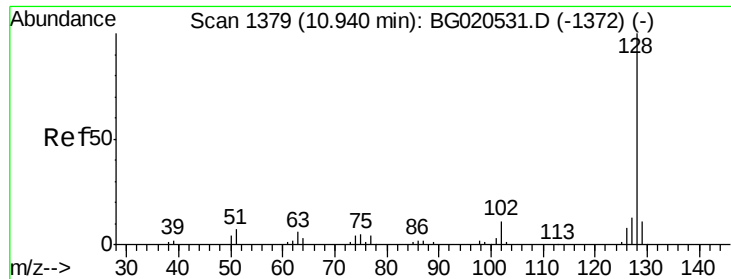
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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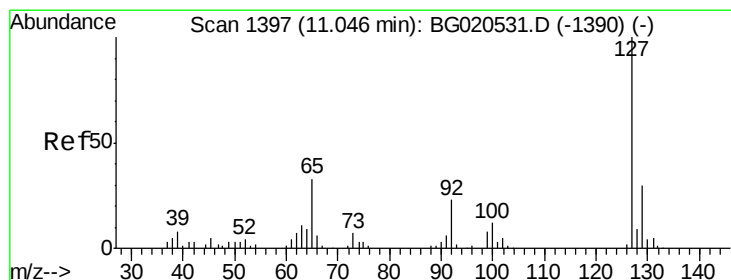
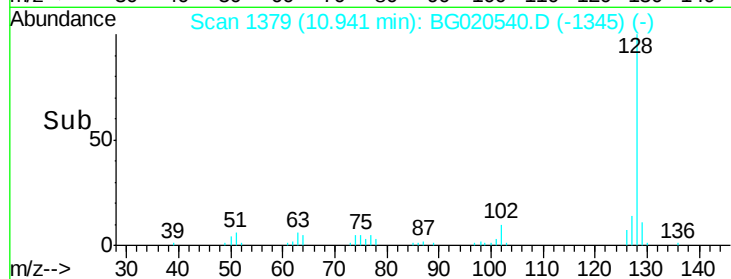
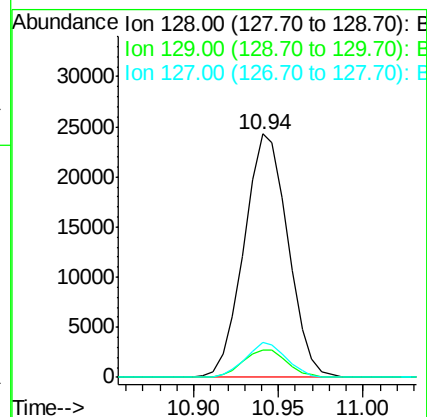
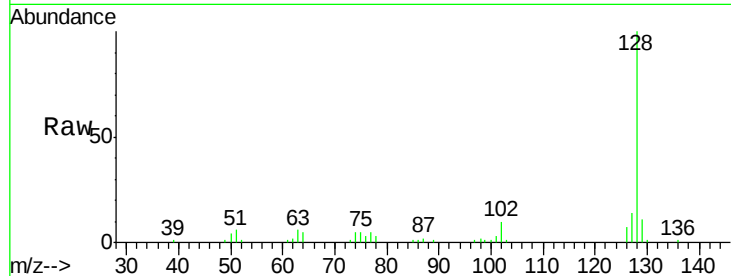




#28
Naphthalene
Concen: 10.16 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BG020540.D
Acq: 26 Dec 2015 14:50

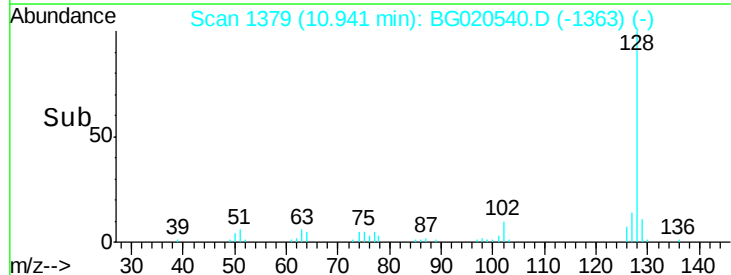
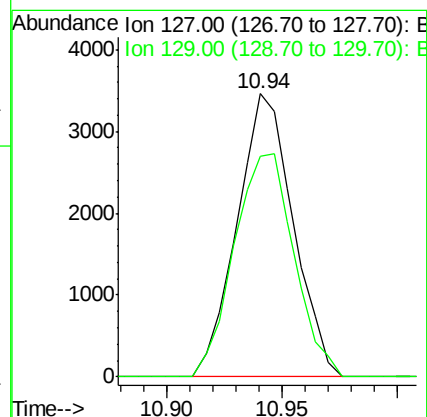
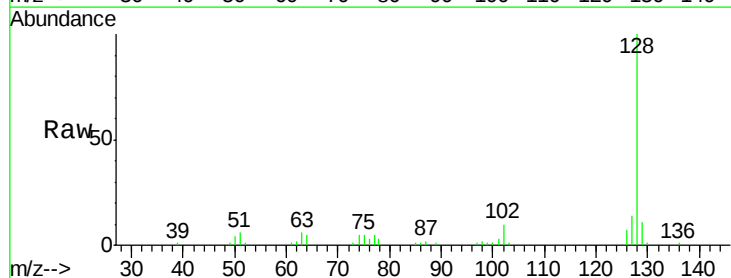
Instrument :
BNA_G
ClientSampleId :
G9D94

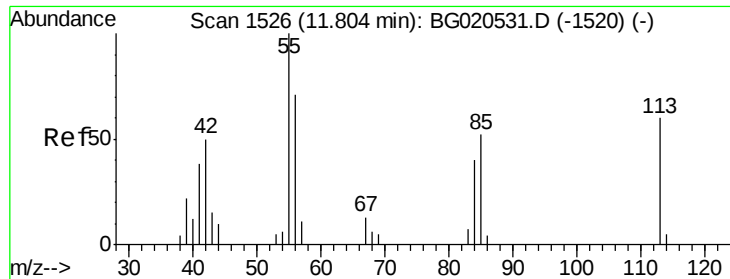
Tgt Ion:128 Resp: 43965
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 14.2 10.1 15.1



#30
4-Chloroaniline
Concen: 3.61 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. -0.11 min
Lab File: BG020540.D
Acq: 26 Dec 2015 14:50

Tgt Ion:127 Resp: 5842
Ion Ratio Lower Upper
127 100
129 77.9 25.7 38.5#





#32

Caprolactam

Concen: 1.22 ng/ul

RT: 11.70 min Scan# 1508

Delta R.T. -0.11 min

Lab File: BG020540.D

Acq: 26 Dec 2015 14:50

Instrument :

BNA_G

ClientSampleId :

G9D94

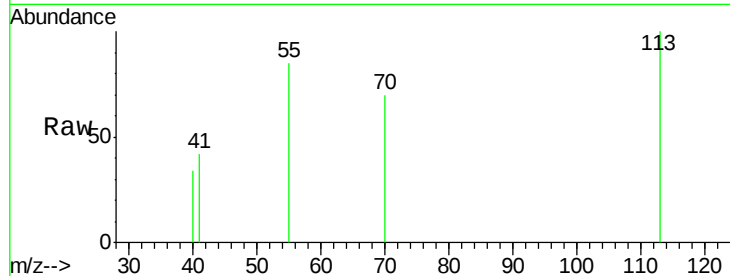
Tgt Ion:113 Resp: 567

Ion Ratio Lower Upper

113 100

55 84.9 132.1 198.1#

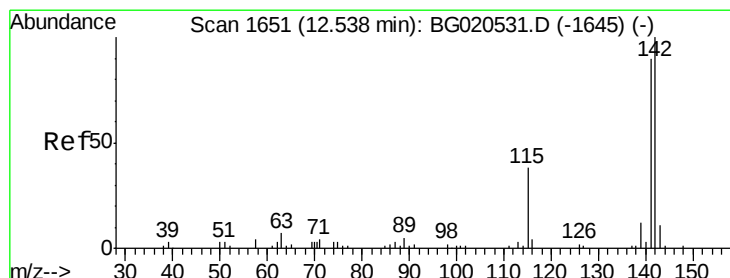
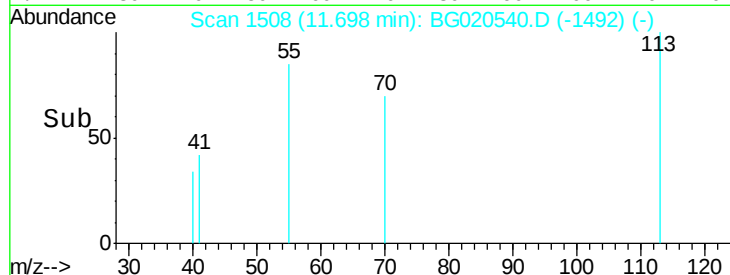
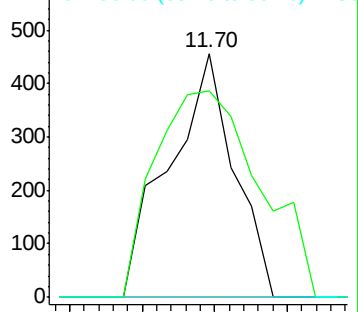
56 0.0 103.3 154.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#34

2-Methylnaphthalene

Concen: 7.58 ng/ul

RT: 12.54 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BG020540.D

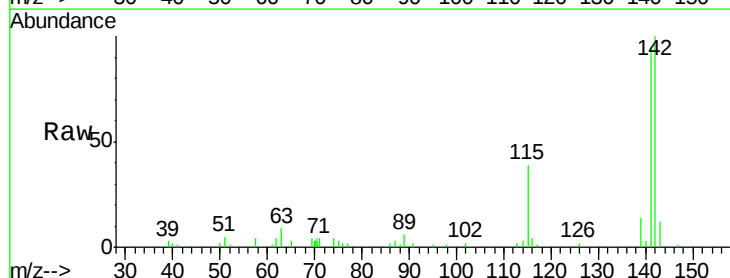
Acq: 26 Dec 2015 14:50

Tgt Ion:142 Resp: 24277

Ion Ratio Lower Upper

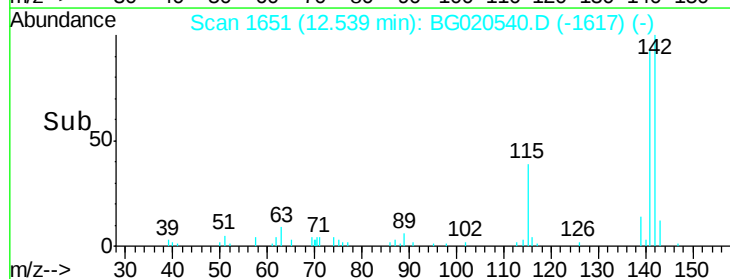
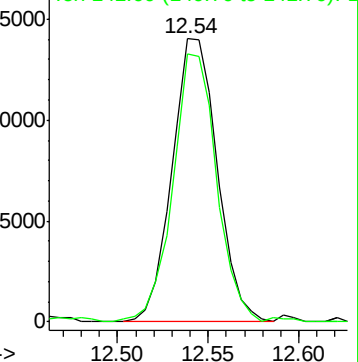
142 100

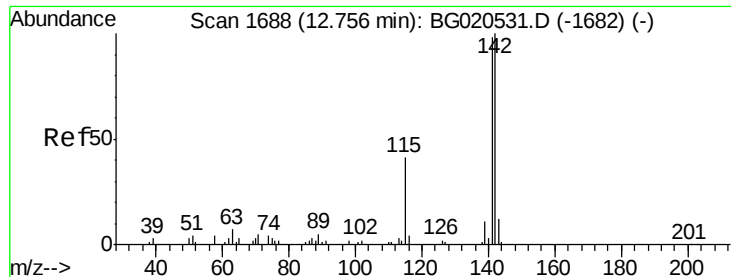
141 94.5 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

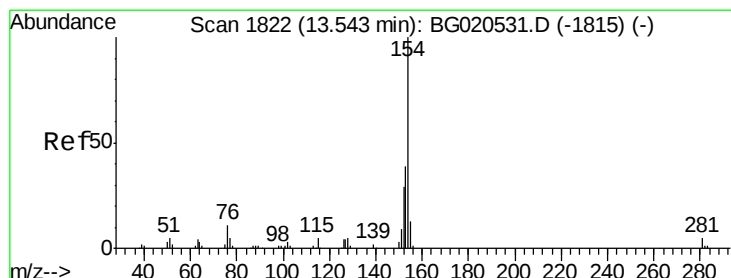
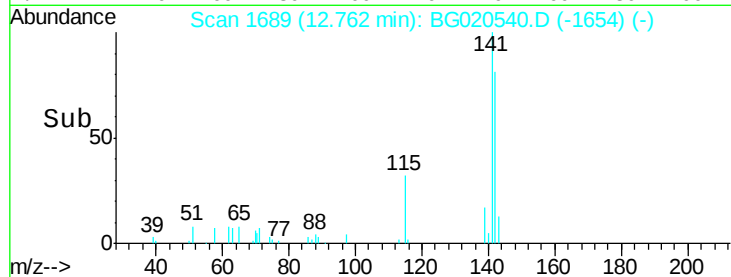
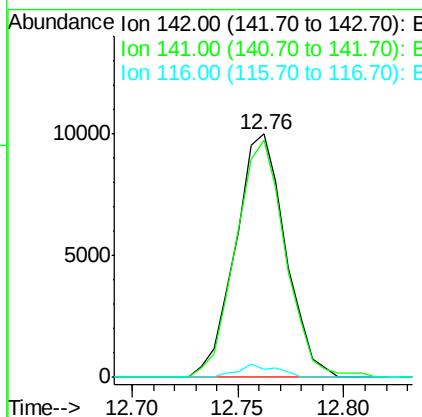
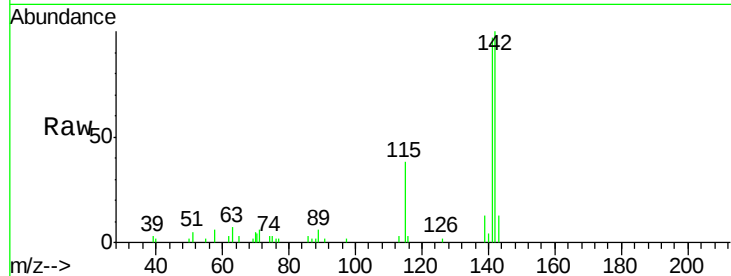




#35
 1-Methylnaphthalene
 Concen: 5.41 ng/ul
 RT: 12.76 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: BG020540.D
 Acq: 26 Dec 2015 14:50

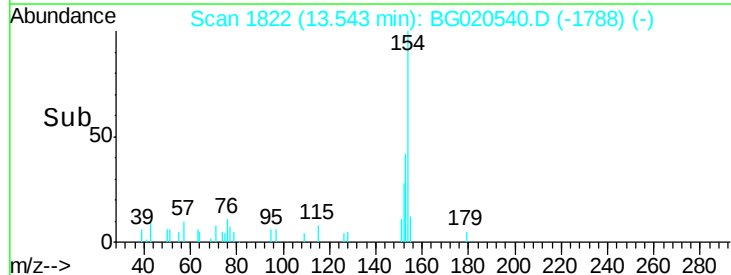
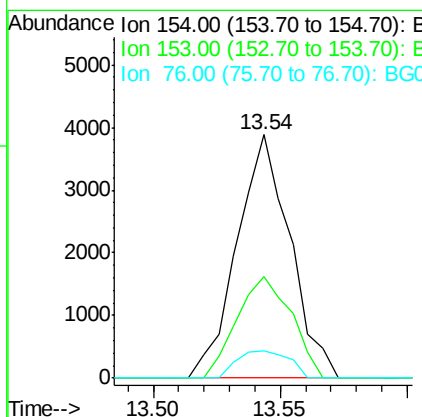
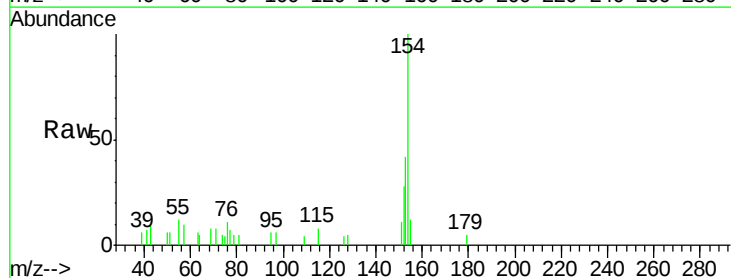
Instrument :
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 G9D94

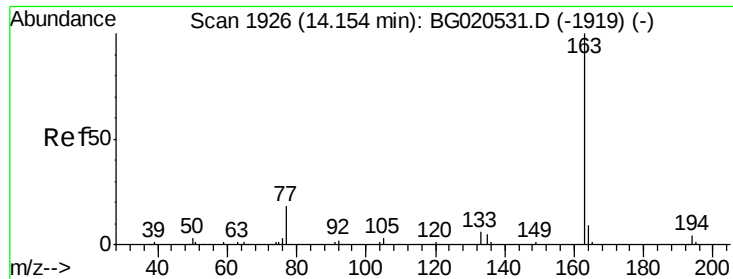
Tgt Ion:142 Resp: 16465
 Ion Ratio Lower Upper
 142 100
 141 97.5 73.0 109.6
 116 3.4 3.0 4.6



#41
 1,1'-Biphenyl
 Concen: 1.28 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020540.D
 Acq: 26 Dec 2015 14:50

Tgt Ion:154 Resp: 5652
 Ion Ratio Lower Upper
 154 100
 153 41.6 35.5 53.3
 76 11.1 10.4 15.6

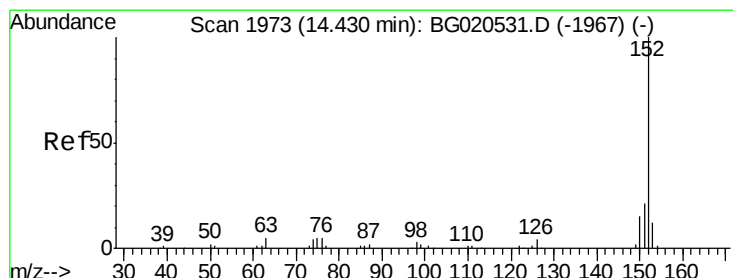
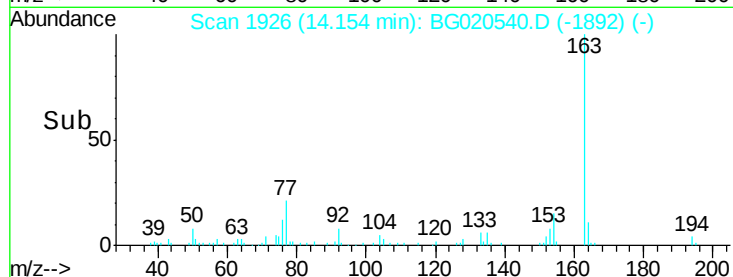
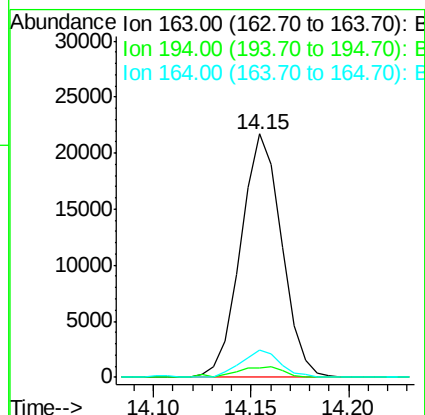
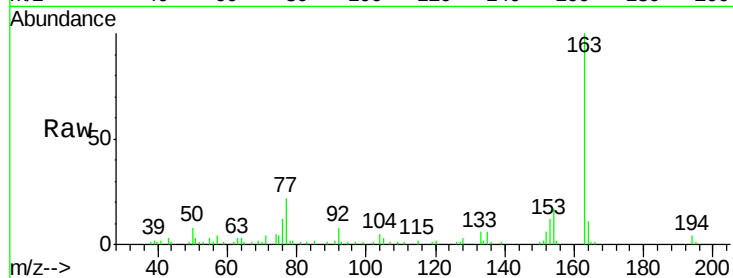




#45
Dimethylphthalate
Concen: 6.57 ng/ul
RT: 14.15 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BG020540.D
Acq: 26 Dec 2015 14:50

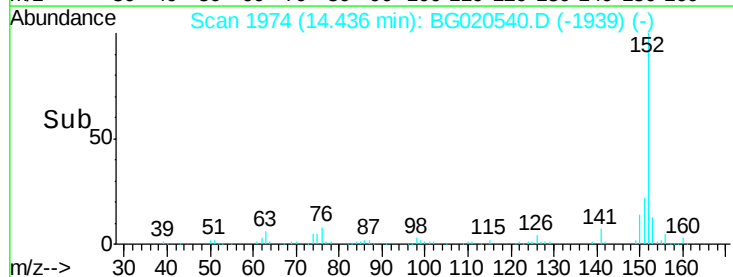
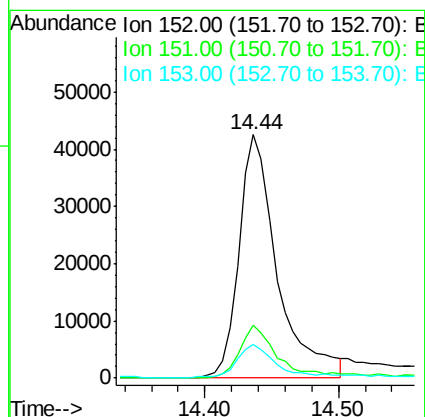
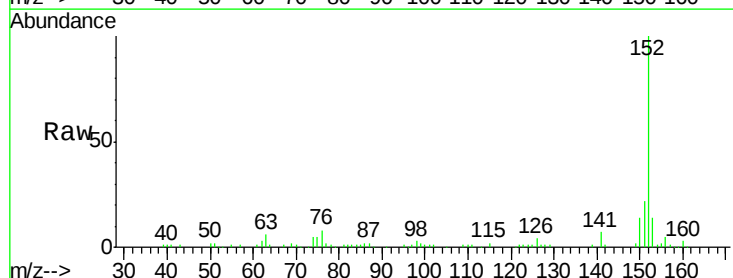
Instrument :
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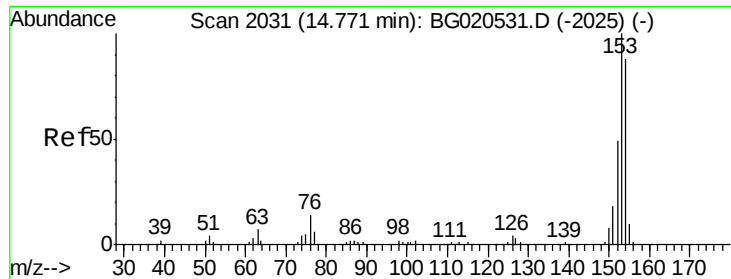
Tgt Ion:163 Resp: 31585
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 11.3 7.7 11.5



#48
Acenaphthylene
Concen: 14.72 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BG020540.D
Acq: 26 Dec 2015 14:50

Tgt Ion:152 Resp: 84793
Ion Ratio Lower Upper
152 100
151 21.6 16.4 24.6
153 13.7 10.4 15.6





#50

Acenaphthene

Concen: 4.24 ng/ul

RT: 14.77 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BG020540.D

Acq: 26 Dec 2015 14:50

Instrument :

BNA_G

ClientSampleId :

G9D94

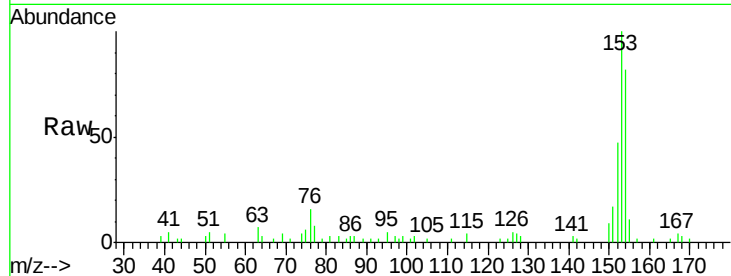
Tgt Ion:153 Resp: 16503

Ion Ratio Lower Upper

153 100

152 47.4 37.6 56.4

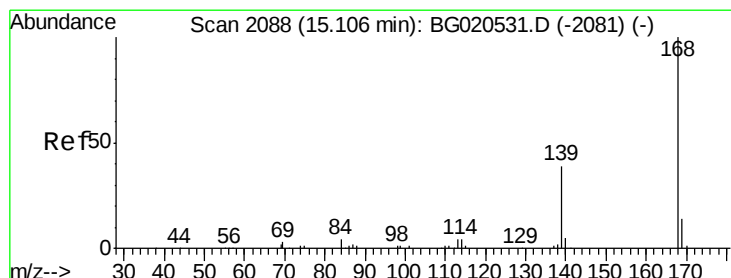
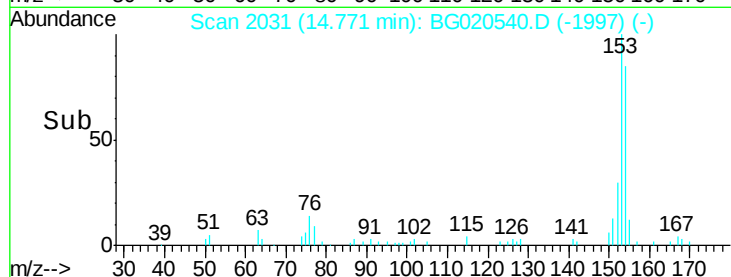
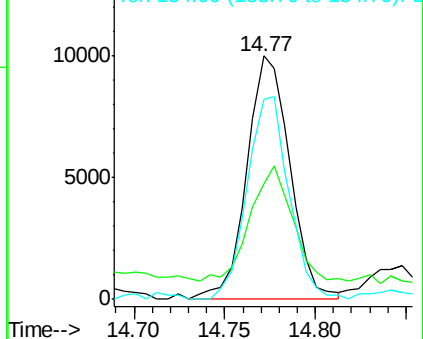
154 82.1 67.9 101.9



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



#54

Dibenzofuran

Concen: 3.70 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BG020540.D

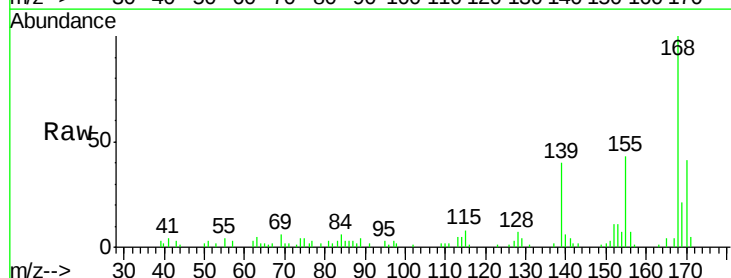
Acq: 26 Dec 2015 14:50

Tgt Ion:168 Resp: 21446

Ion Ratio Lower Upper

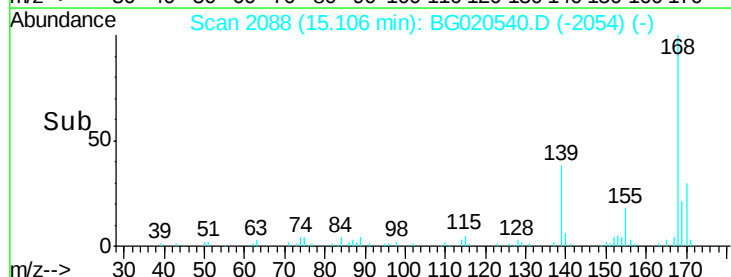
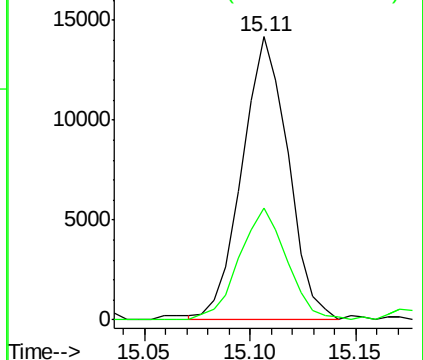
168 100

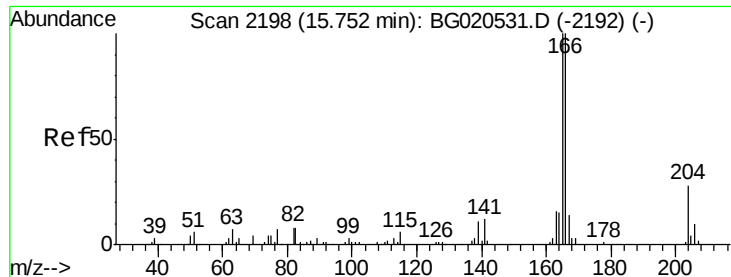
139 39.5 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 7.48 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BG020540.D

Acq: 26 Dec 2015 14:50

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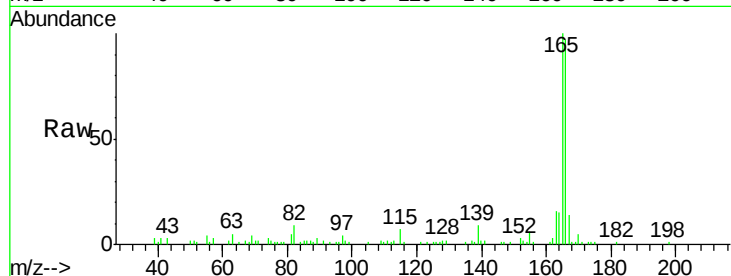
Tgt Ion:166 Resp: 35120

Ion Ratio Lower Upper

166 100

165 103.1 81.4 122.0

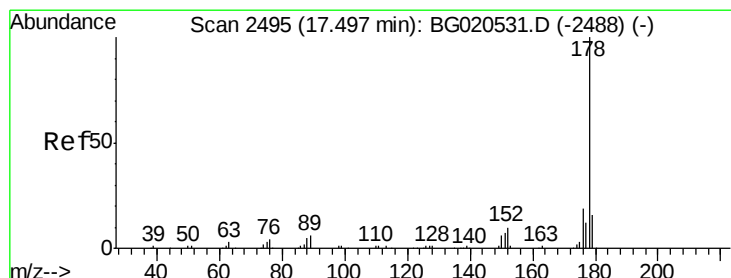
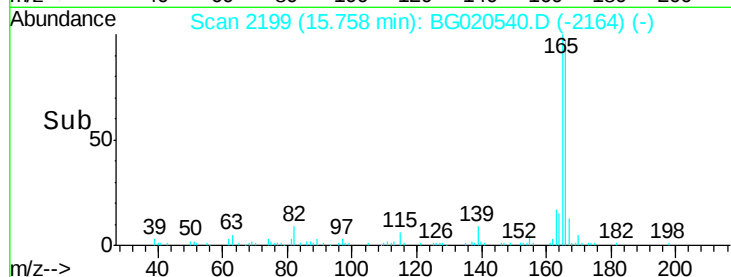
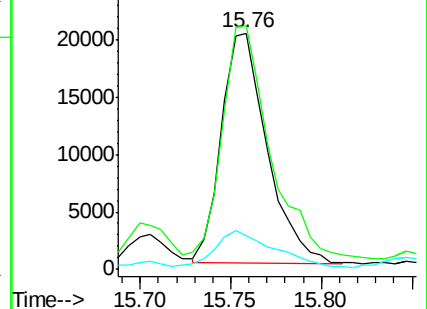
167 14.3 11.2 16.8



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



#70

Phenanthrene

Concen: 106.58 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BG020540.D

Acq: 26 Dec 2015 14:50

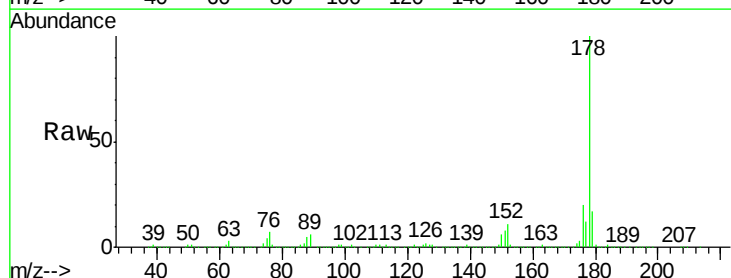
Tgt Ion:178 Resp: 794707

Ion Ratio Lower Upper

178 100

179 16.9 12.9 19.3

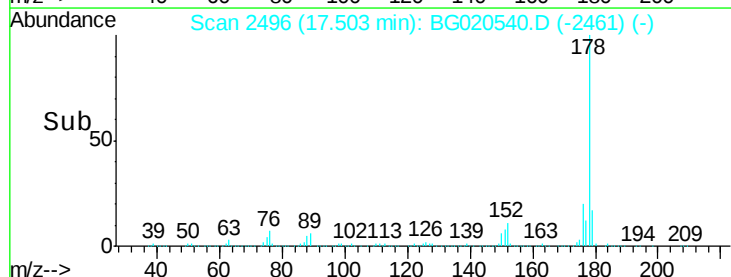
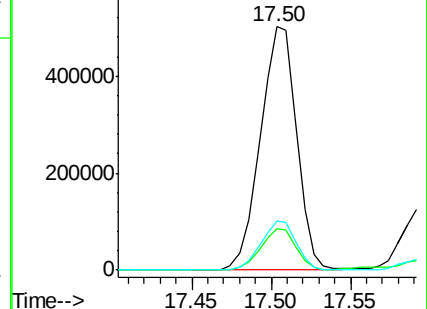
176 20.3 15.3 22.9

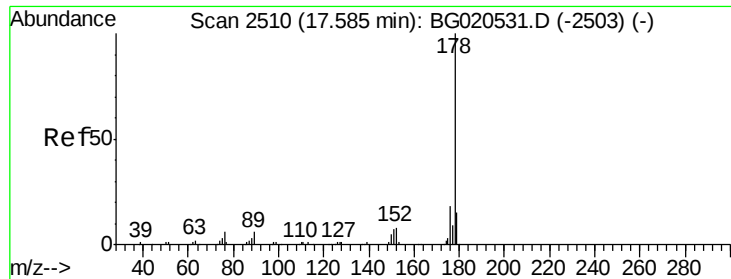


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 24.37 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BG020540.D

Acq: 26 Dec 2015 14:50

Instrument :

BNA_G

ClientSampleId :

G9D94

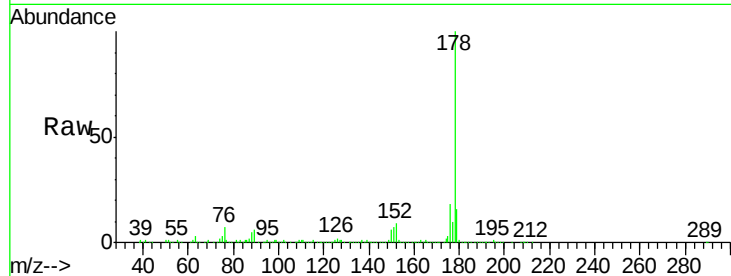
Tgt Ion:178 Resp: 185796

Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

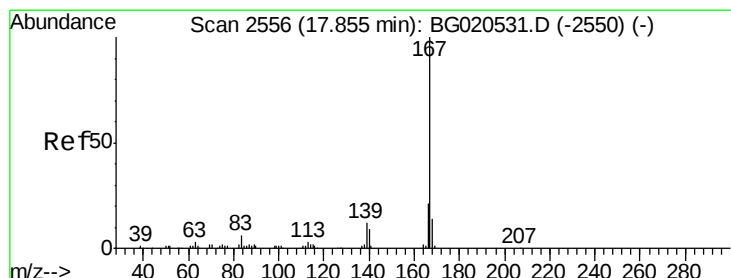
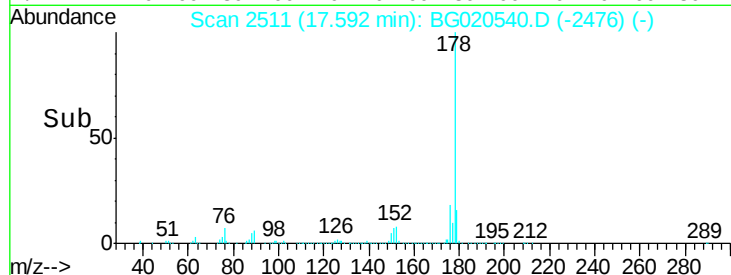
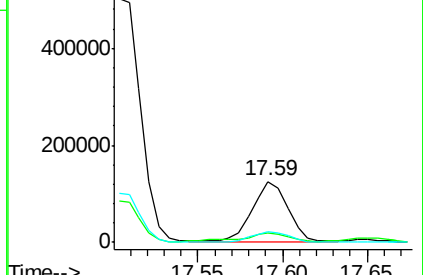
176 18.3 14.3 21.5



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: 4.88 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BG020540.D

Acq: 26 Dec 2015 14:50

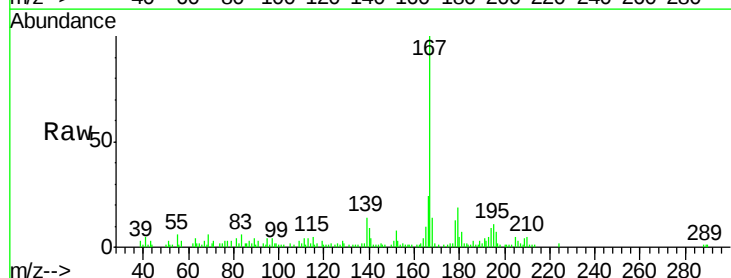
Tgt Ion:167 Resp: 31378

Ion Ratio Lower Upper

167 100

166 23.8 17.0 25.6

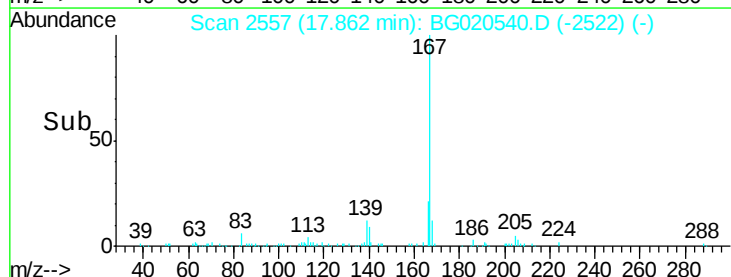
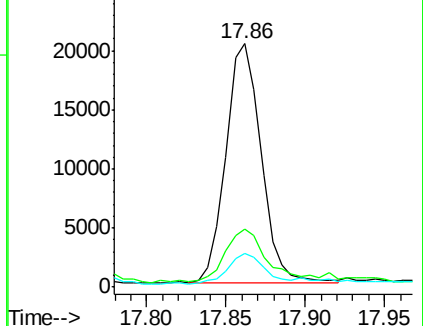
139 13.8 10.1 15.1

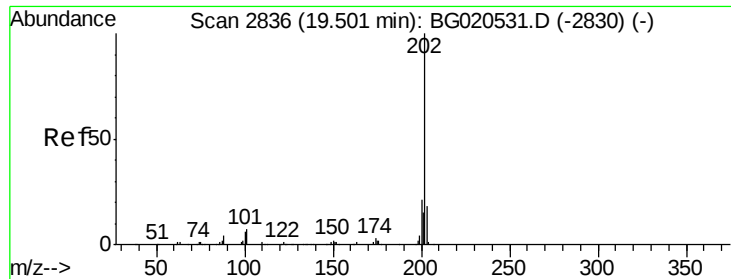


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

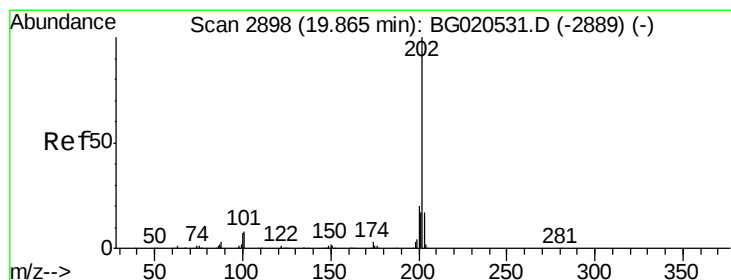
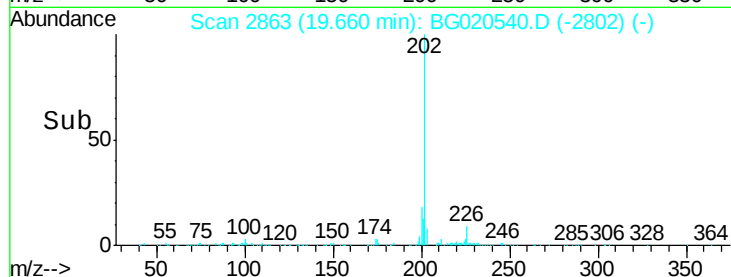
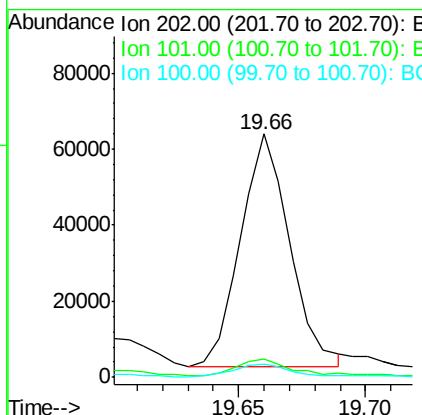
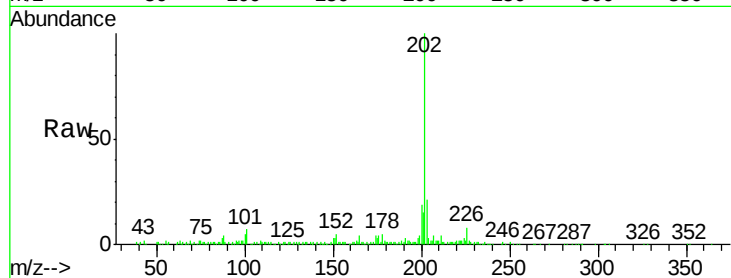




#77
 Fluoranthene
 Concen: 8.77 ng/ul
 RT: 19.66 min Scan# 2863
 Delta R.T. 0.16 min
 Lab File: BG020540.D
 Acq: 26 Dec 2015 14:50

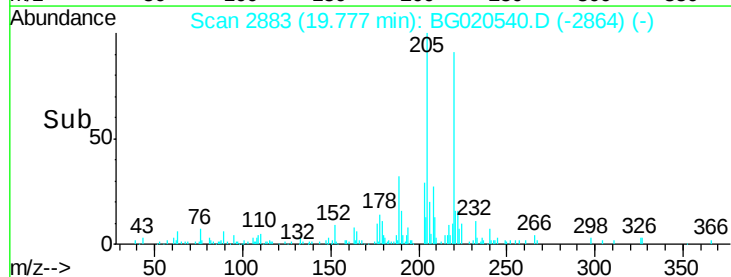
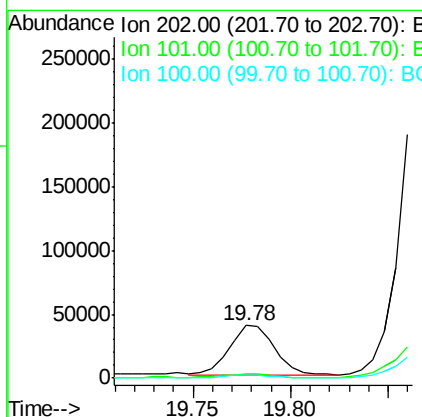
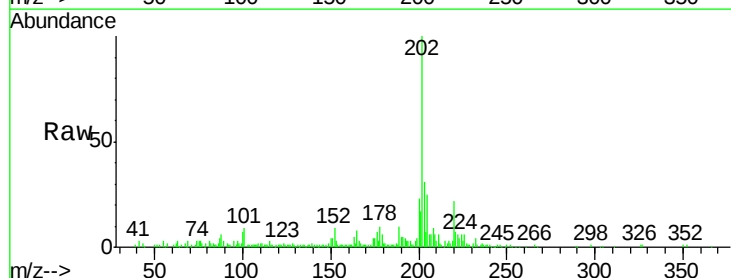
Instrument :
 BNA_G
 ClientSampleId :
 G9D94

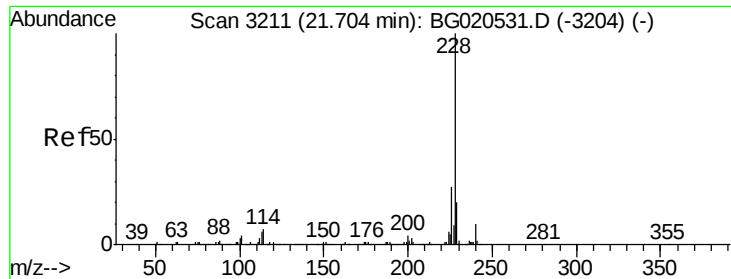
Tgt Ion:	202	Resp:	82245
Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.2	9.4
100	5.2	5.1	7.7



#80
 Pyrene
 Concen: 6.47 ng/ul
 RT: 19.78 min Scan# 2883
 Delta R.T. -0.09 min
 Lab File: BG020540.D
 Acq: 26 Dec 2015 14:50

Tgt Ion:	202	Resp:	60603
Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
100	6.6	6.4	9.6

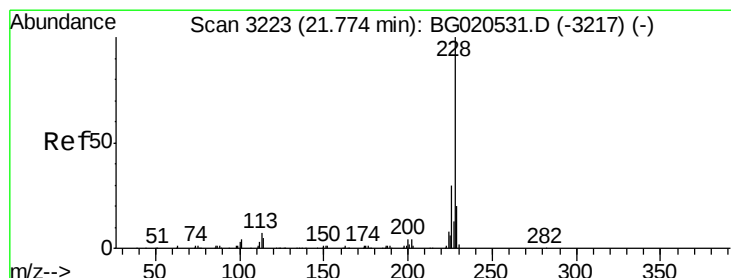
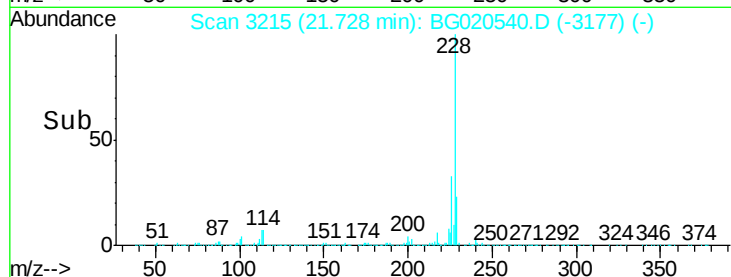
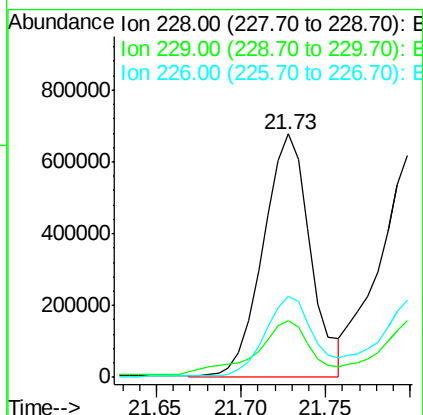
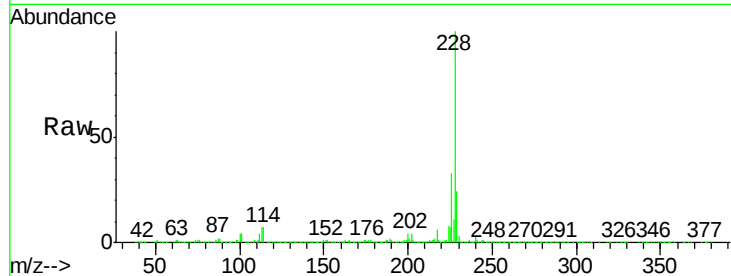




#83
Benzo(a)anthracene
Concen: 134.91 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.02 min
Lab File: BG020540.D
Acq: 26 Dec 2015 14:50

Instrument :
BNA_G
ClientSampleId :
G9D94

Tgt Ion:228 Resp: 1312980
Ion Ratio Lower Upper
228 100
229 23.6 15.8 23.8
226 33.4 21.8 32.6#



#85
Chrysene
Concen: 132.68 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.02 min
Lab File: BG020540.D
Acq: 26 Dec 2015 14:50

Tgt Ion:228 Resp: 1229976
Ion Ratio Lower Upper
228 100
226 35.0 23.9 35.9
229 25.3 15.6 23.4#

