

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
 Data File : BG020513.D
 Acq On : 25 Dec 2015 21:06
 Operator : UM/SJ
 Sample : G4847-03MS
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N68MS

Quant Time: Dec 26 02:23:16 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	16376	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	70853	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	50498	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	136402	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	179800	20.00	ng/ul	0.00
86) Perylene-d12	24.98	264	170225	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	386	1.30	ng/uL	0.00
5) Phenol-d5	7.23	99	10287	7.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	24762	31.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26594	26.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	19321	17.47	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	17676	31.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	20495	32.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	36116	29.55	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	145	0.10	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	139040	33.40	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	150569	31.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4150	5.98	ng/ul	0.00
58) Fluorene-d10	15.70	176	125543	33.35	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	24982	27.64	ng/ul	0.00
71) Anthracene-d10	17.55	188	213764	33.46	ng/ul	0.00
79) Pyrene-d10	19.84	212	270562	34.76	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	287760	33.44	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.26	94	10151	7.42	ng/ul	97
10) 2-Chlorophenol	7.64	128	26047	24.75	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.88	70	28116	31.39	ng/ul	96
17) Hexachloroethane	9.19	117	542	1.22	ng/ul#	1
28) Naphthalene	10.96	128	1866853	495.65	ng/ul#	92
30) 4-Chloroaniline	10.96	127	283584	201.47	ng/ul#	9
32) Caprolactam	11.71	113	894	2.22	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.17	107	34339	26.15	ng/ul	92
34) 2-Methylnaphthalene	12.55	142	185571	66.59	ng/ul	98
35) 1-Methylnaphthalene	12.76	142	94082	35.54	ng/ul	100
41) 1,1'-Biphenyl	13.55	154	44736	11.48	ng/ul#	91
48) Acenaphthylene	14.43	152	23014	4.54	ng/ul	98
50) Acenaphthene	14.77	153	240726	70.25	ng/ul	98
53) 4-Nitrophenol	14.93	109	3870	6.16	ng/ul	97
54) Dibenzofuran	15.11	168	103253	20.25	ng/ul	97
55) 2,4-Dinitrotoluene	15.07	165	40160	31.22	ng/ul	94
59) Fluorene	15.75	166	89464	21.65	ng/ul	96
61) 4-Nitroaniline	15.75	138	953	1.07	ng/ul#	10
69) Pentachlorophenol	17.11	266	29603	28.84	ng/ul	95
70) Phenanthrene	17.50	178	163887	21.59	ng/ul	98
72) Anthracene	17.59	178	7950	1.02	ng/ul	97
75) Carbazole	17.86	167	8235	1.26	ng/ul	94
77) Fluoranthene	19.50	202	10887	1.14	ng/ul#	97

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

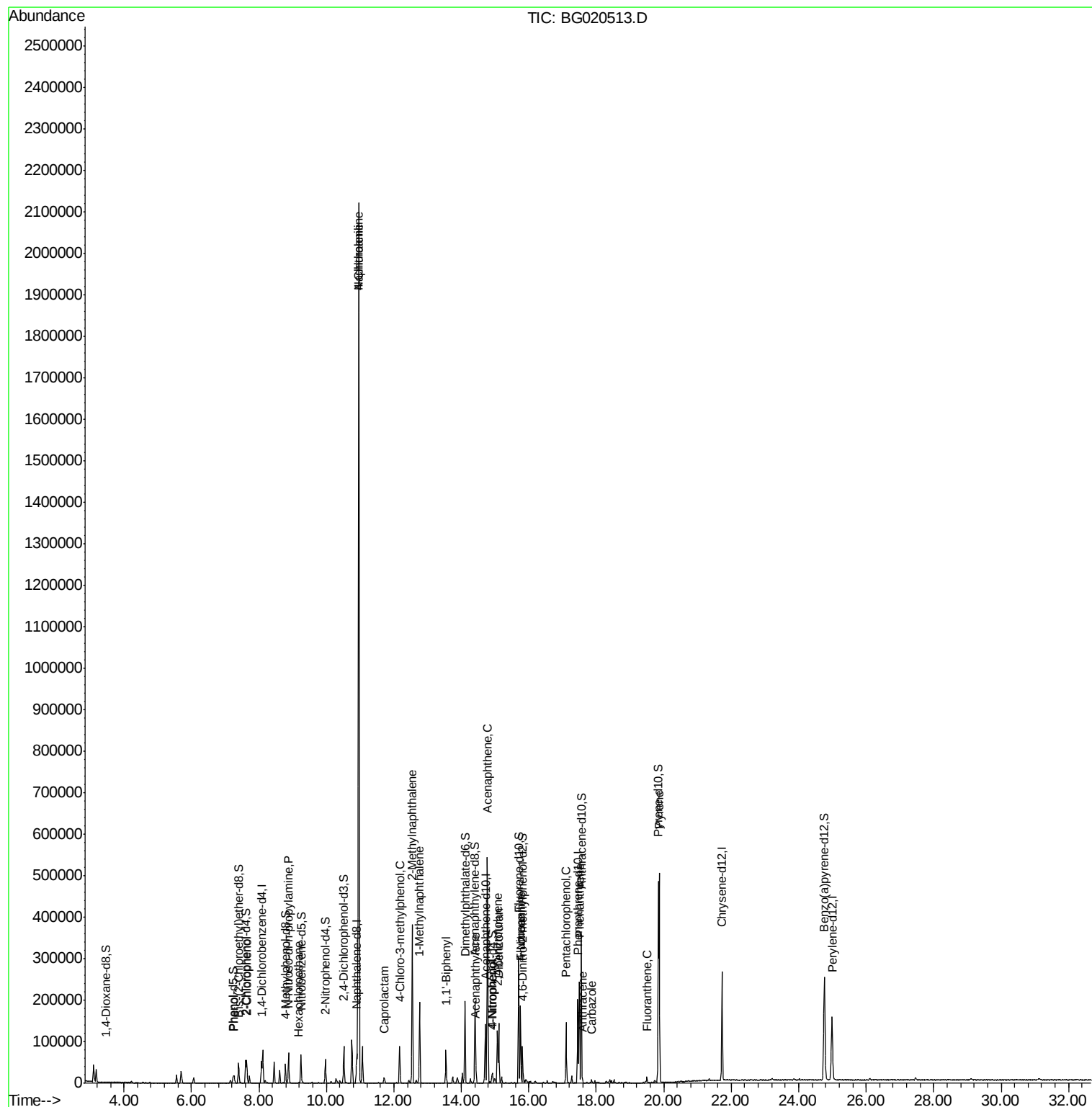
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Pyrene	19.87	202	332831	32.73	ng/ul	98

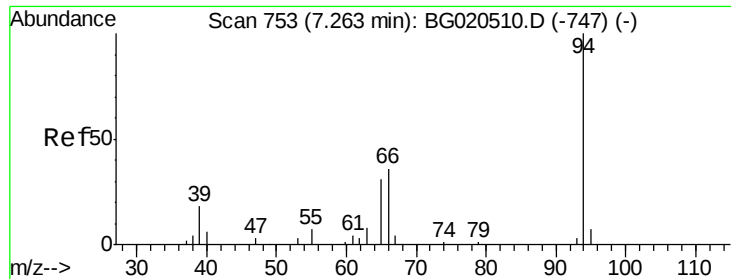
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 7.42 ng/ul

RT: 7.26 min Scan# 753

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

Instrument :

BNA_G

ClientSampleId :

D9N68MS

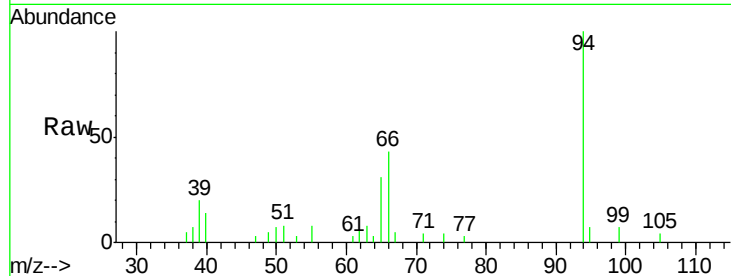
Tgt Ion: 94 Resp: 10151

Ion Ratio Lower Upper

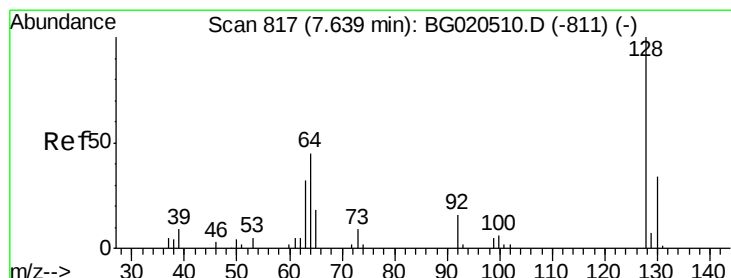
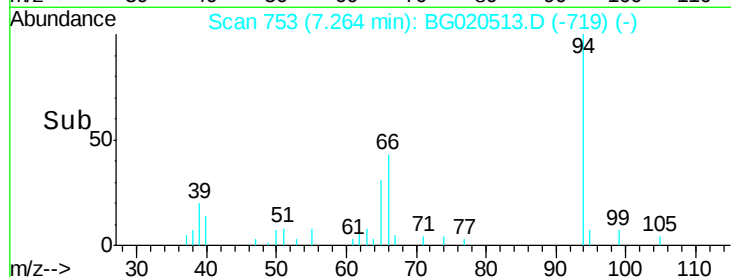
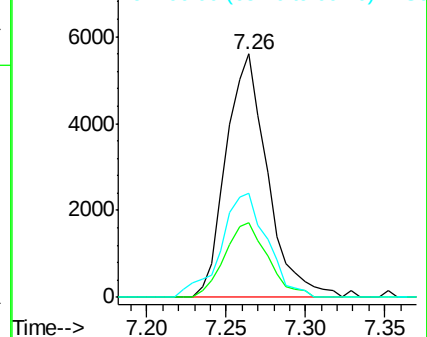
94 100

65 30.6 26.3 39.5

66 42.8 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 24.75 ng/ul

RT: 7.64 min Scan# 817

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

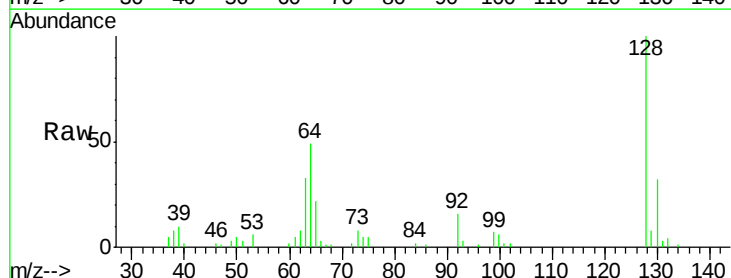
Tgt Ion: 128 Resp: 26047

Ion Ratio Lower Upper

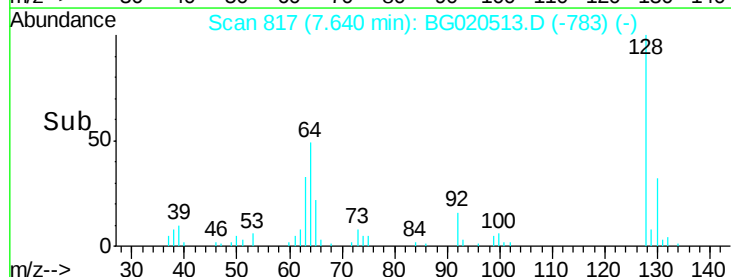
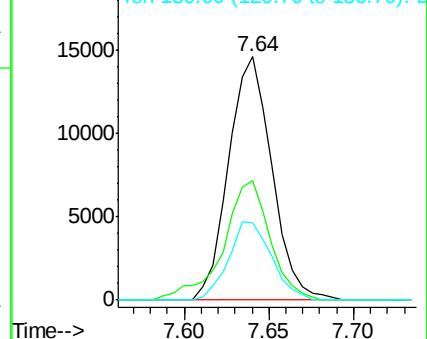
128 100

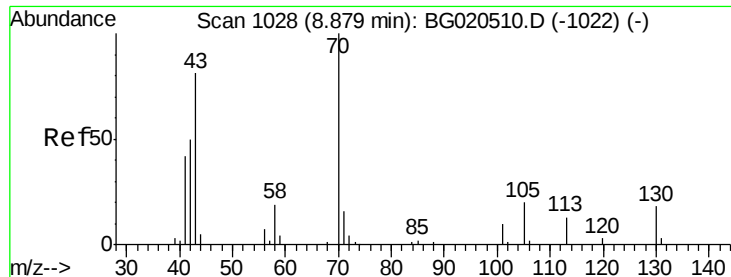
64 49.0 39.4 59.0

130 31.7 24.6 36.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E

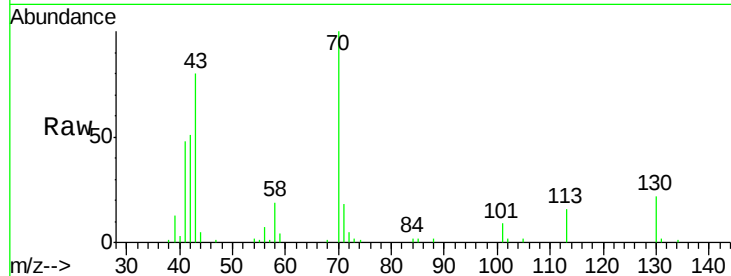




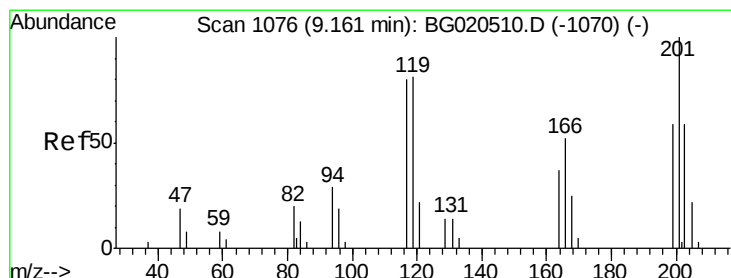
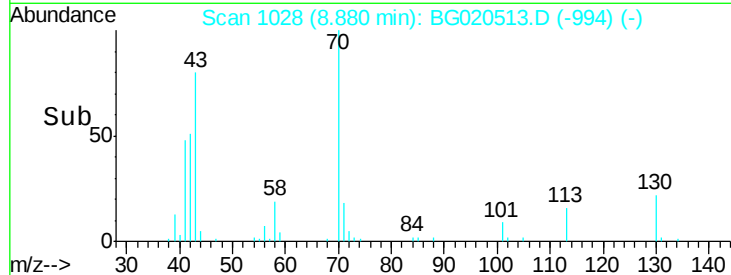
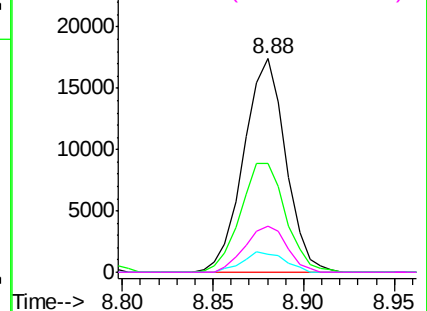
#15
N-Nitroso-di-n-propylamine
Concen: 31.39 ng/ul
RT: 8.88 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG020513.D
Acq: 25 Dec 2015 21:06

Instrument :
BNA_G
ClientSampleId :
D9N68MS

Tgt Ion: 70 Resp: 28116
Ion Ratio Lower Upper
70 100
42 51.2 44.3 66.5
101 8.6 7.6 11.4
130 21.8 17.0 25.4

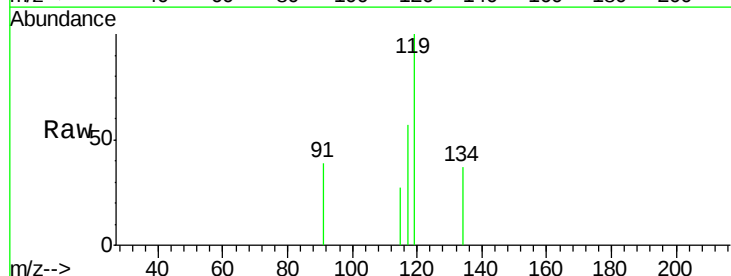


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

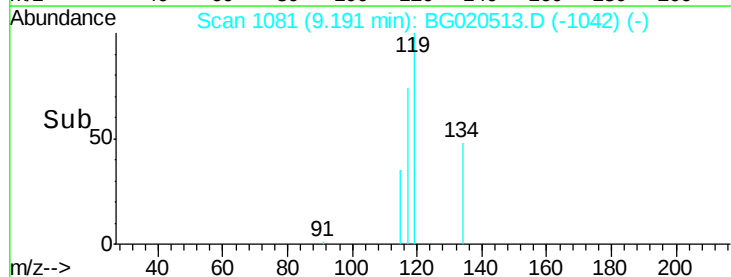
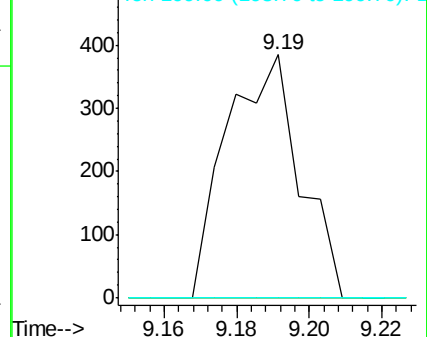


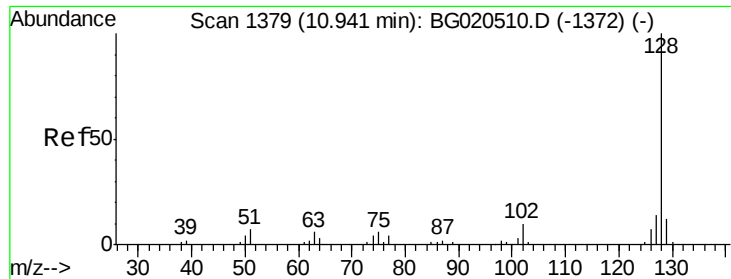
#17
Hexachloroethane
Concen: 1.22 ng/ul
RT: 9.19 min Scan# 1081
Delta R.T. 0.03 min
Lab File: BG020513.D
Acq: 25 Dec 2015 21:06

Tgt Ion: 117 Resp: 542
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#



Abundance Ion 117.00 (116.70 to 117.70): BGC
Ion 201.00 (200.70 to 201.70): BGC
Ion 199.00 (198.70 to 199.70): BGC

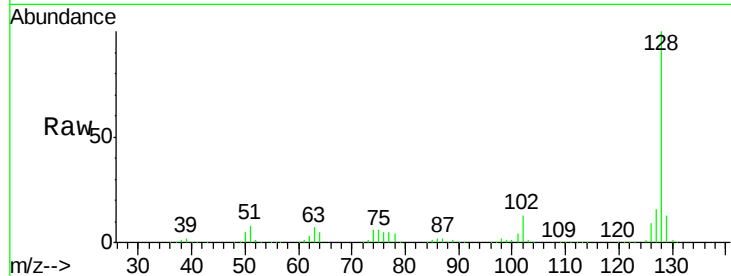




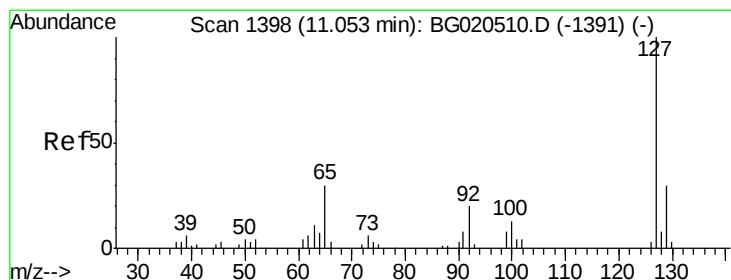
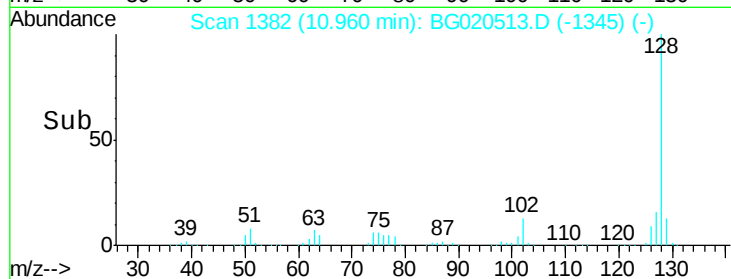
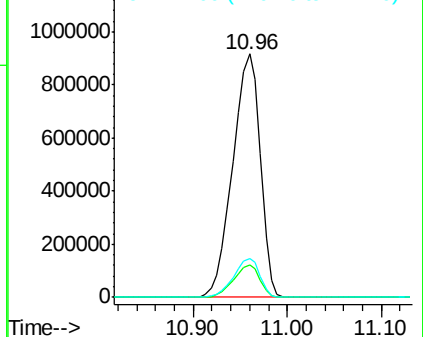
#28
Naphthalene
Concen: 495.65 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.02 min
Lab File: BG020513.D
Acq: 25 Dec 2015 21:06

Instrument :
BNA_G
ClientSampleId :
D9N68MS

Tgt Ion:128 Resp: 1866853
Ion Ratio Lower Upper
128 100
129 13.3 8.6 12.8#
127 16.0 10.1 15.1#

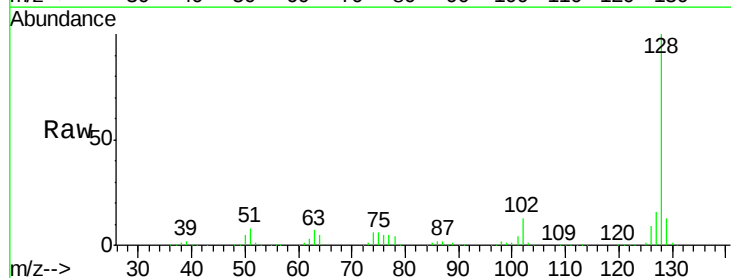


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

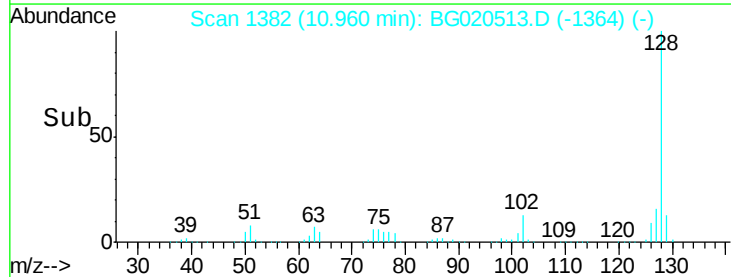
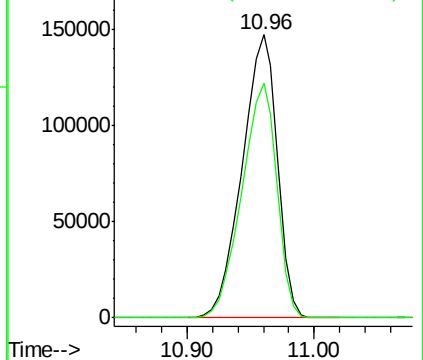


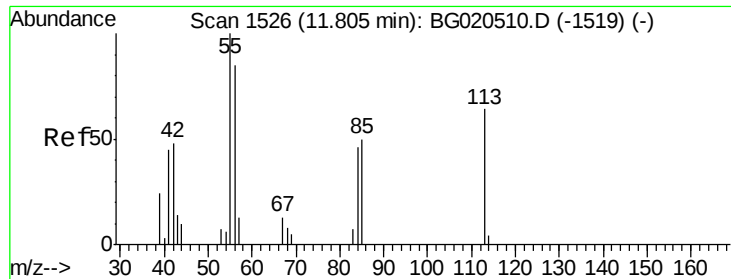
#30
4-Chloroaniline
Concen: 201.47 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.09 min
Lab File: BG020513.D
Acq: 25 Dec 2015 21:06

Tgt Ion:127 Resp: 283584
Ion Ratio Lower Upper
127 100
129 83.1 25.7 38.5#



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





#32

Caprolactam

Concen: 2.22 ng/ul

RT: 11.71 min Scan# 1510

Delta R.T. -0.09 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

Instrument :

BNA_G

ClientSampleId :

D9N68MS

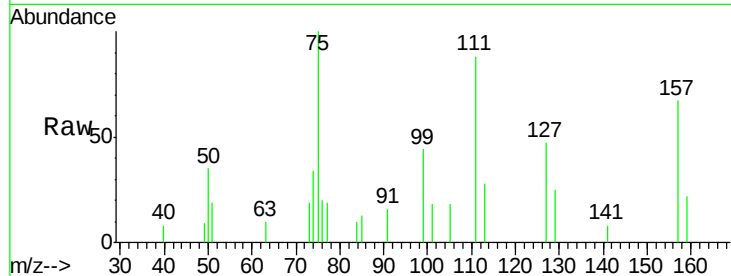
Tgt Ion:113 Resp: 894

Ion Ratio Lower Upper

113 100

55 0.0 132.1 198.1#

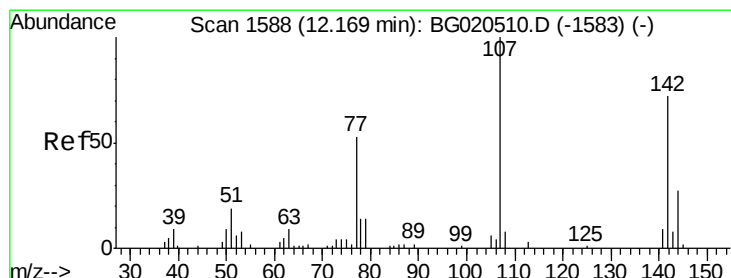
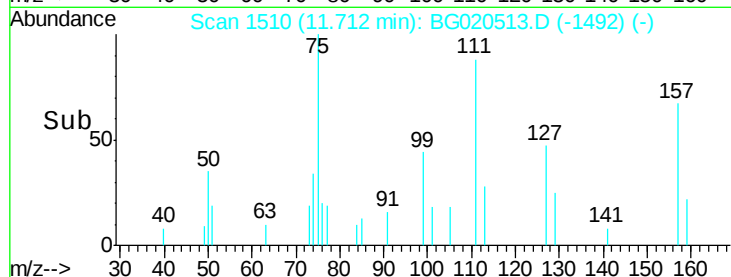
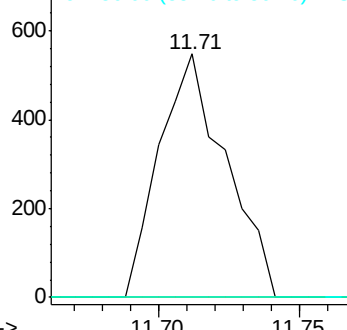
56 0.0 103.3 154.9#



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



#33

4-Chloro-3-methylphenol

Concen: 26.15 ng/ul

RT: 12.17 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

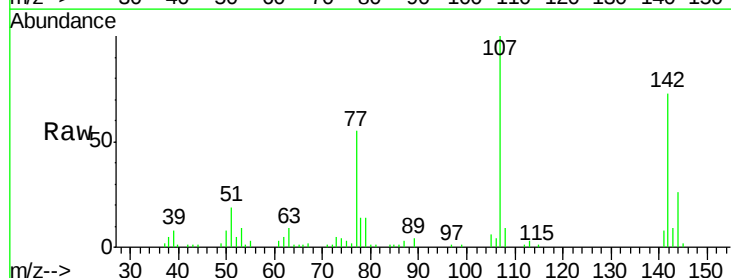
Tgt Ion:107 Resp: 34339

Ion Ratio Lower Upper

107 100

144 26.3 18.7 28.1

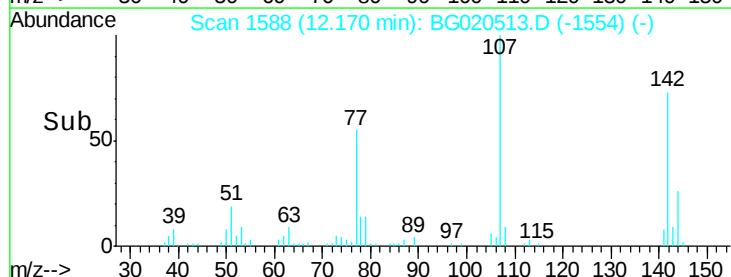
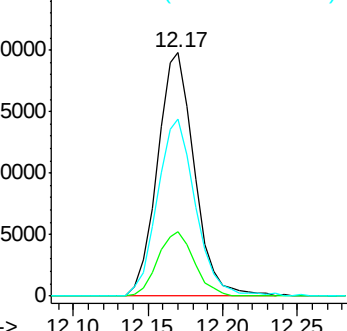
142 72.7 52.8 79.2

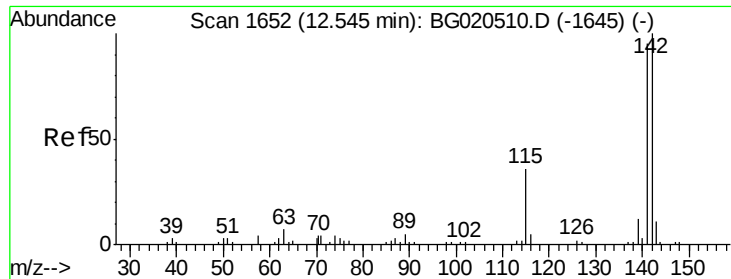


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

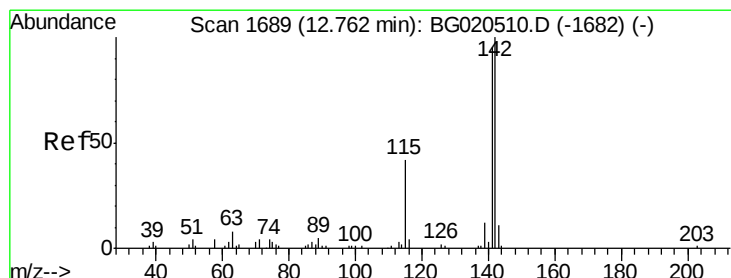
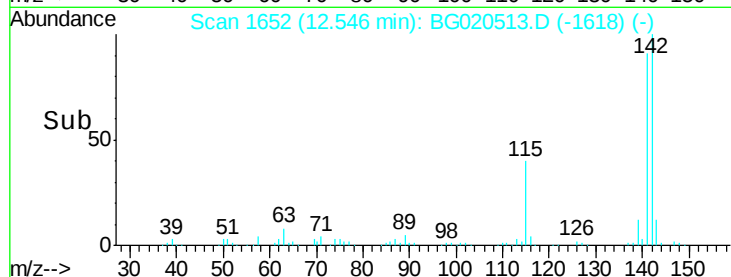
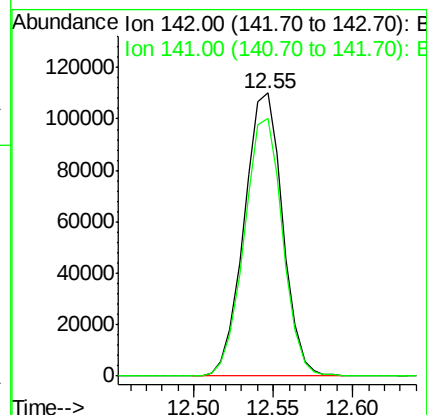
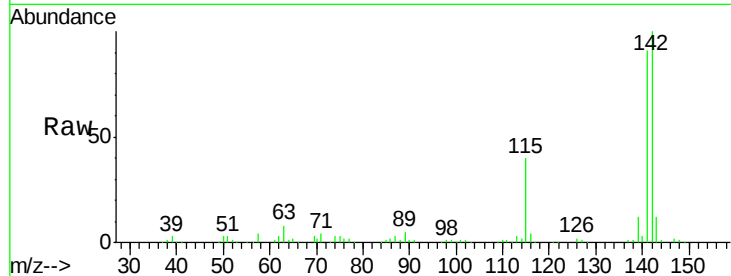




#34
 2-Methylnaphthalene
 Concen: 66.59 ng/ul
 RT: 12.55 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BG020513.D
 Acq: 25 Dec 2015 21:06

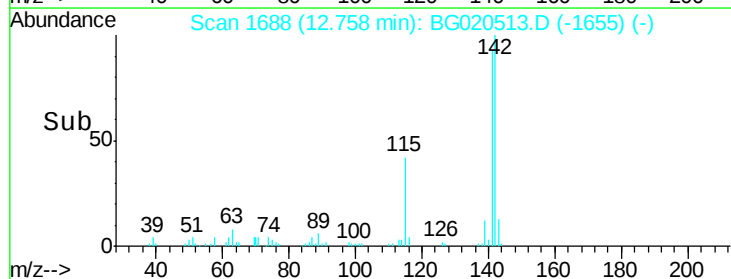
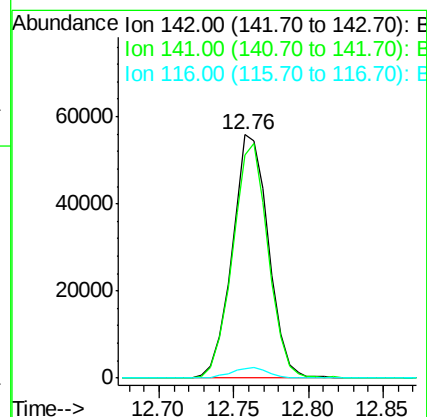
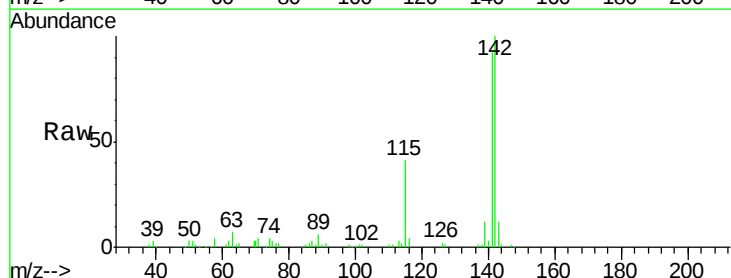
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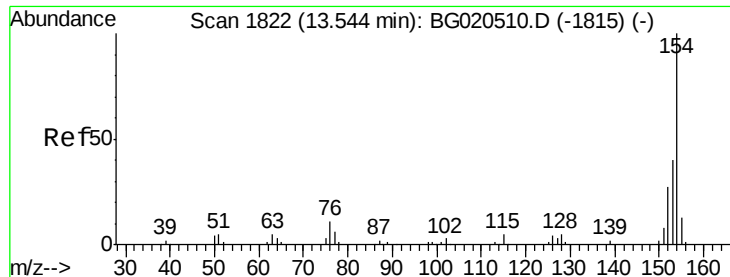
Tgt Ion:142 Resp: 185571
 Ion Ratio Lower Upper
 142 100
 141 91.3 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 35.54 ng/ul
 RT: 12.76 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: BG020513.D
 Acq: 25 Dec 2015 21:06

Tgt Ion:142 Resp: 94082
 Ion Ratio Lower Upper
 142 100
 141 91.7 73.0 109.6
 116 3.9 3.0 4.6

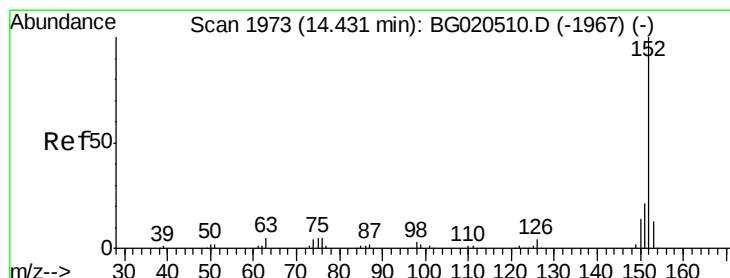
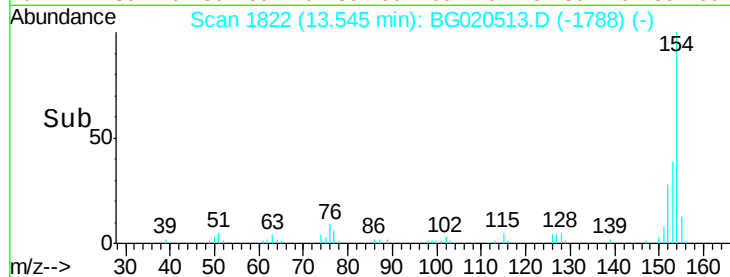
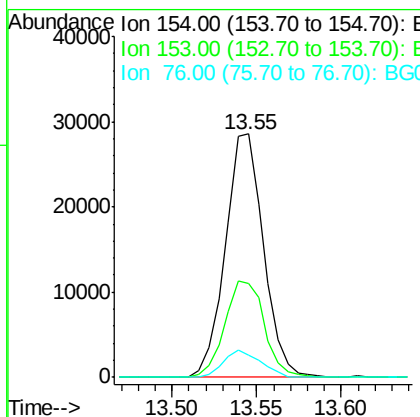
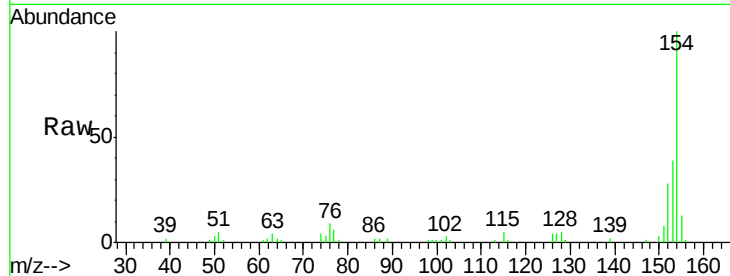




#41
 1,1'-Biphenyl
 Concen: 11.48 ng/ul
 RT: 13.55 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020513.D
 Acq: 25 Dec 2015 21:06

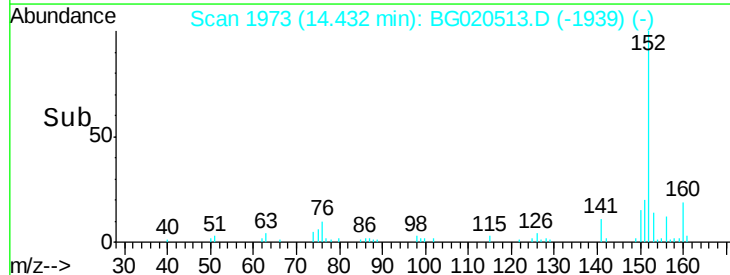
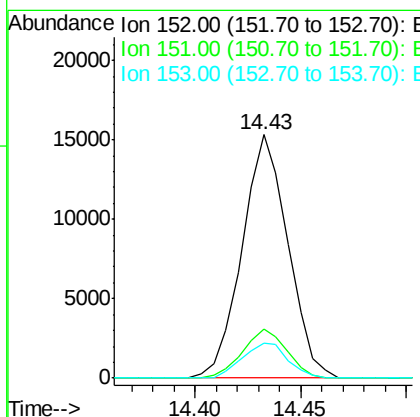
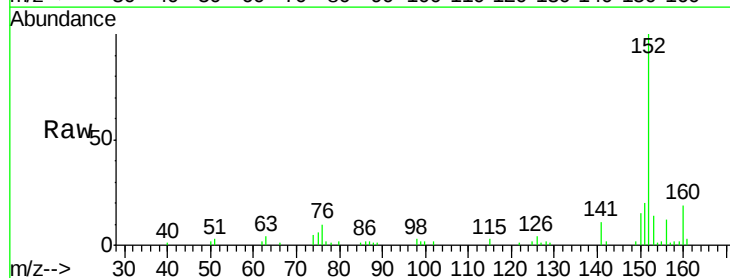
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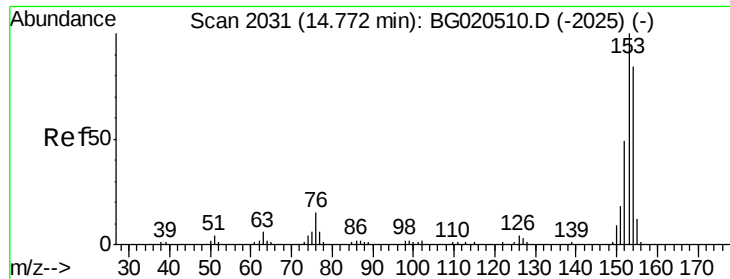
Tgt Ion:154 Resp: 44736
 Ion Ratio Lower Upper
 154 100
 153 38.7 35.5 53.3
 76 9.2 10.4 15.6#



#48
 Acenaphthylene
 Concen: 4.54 ng/ul
 RT: 14.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BG020513.D
 Acq: 25 Dec 2015 21:06

Tgt Ion:152 Resp: 23014
 Ion Ratio Lower Upper
 152 100
 151 20.0 16.4 24.6
 153 14.4 10.4 15.6

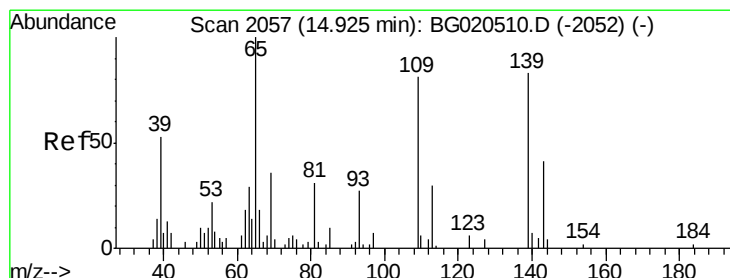
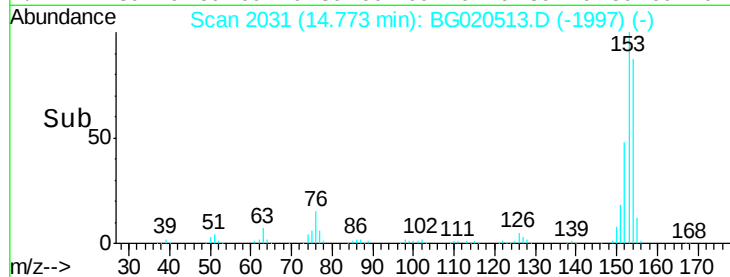
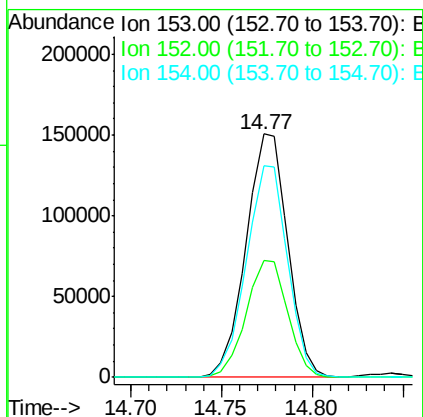
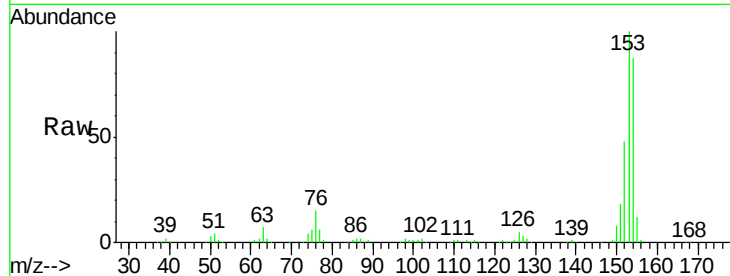




#50
Acenaphthene
Concen: 70.25 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BG020513.D
Acq: 25 Dec 2015 21:06

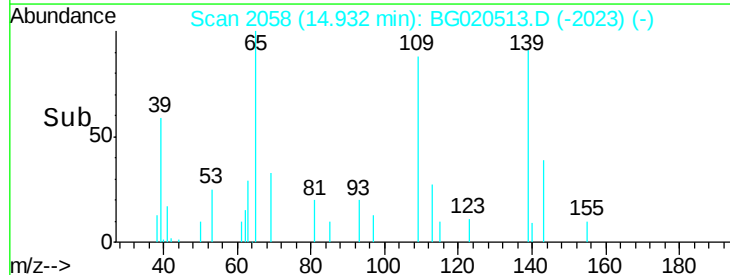
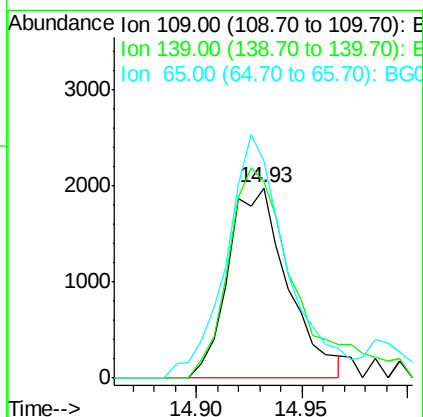
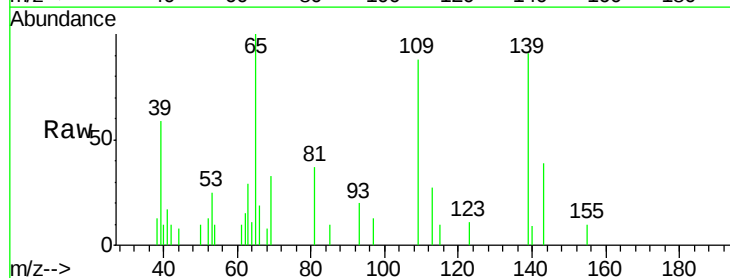
Instrument :
BNA_G
ClientSampleId :
D9N68MS

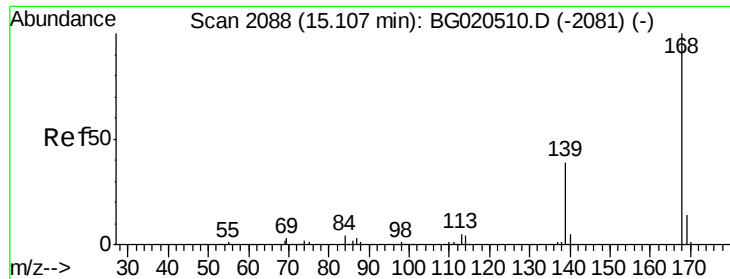
Tgt Ion:153 Resp: 240726
Ion Ratio Lower Upper
153 100
152 48.0 37.6 56.4
154 87.0 67.9 101.9



#53
4-Nitrophenol
Concen: 6.16 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BG020513.D
Acq: 25 Dec 2015 21:06

Tgt Ion:109 Resp: 3870
Ion Ratio Lower Upper
109 100
139 103.3 80.5 120.7
65 113.6 93.4 140.2





#54

Dibenzenofuran

Concen: 20.25 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

Instrument :

BNA_G

ClientSampleId :

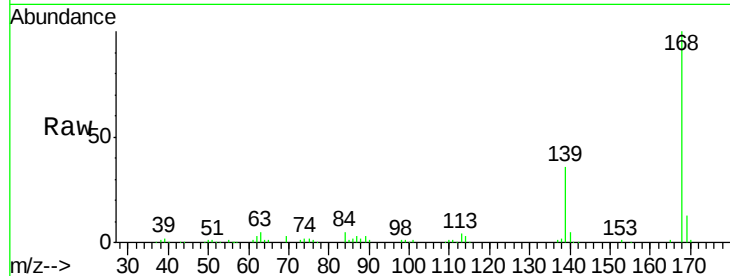
D9N68MS

Tgt Ion:168 Resp: 103253

Ion Ratio Lower Upper

168 100

139 36.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.11

60000

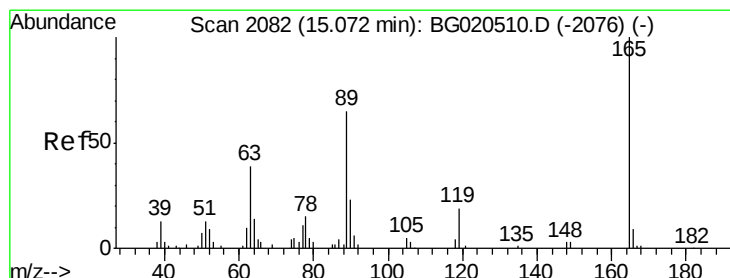
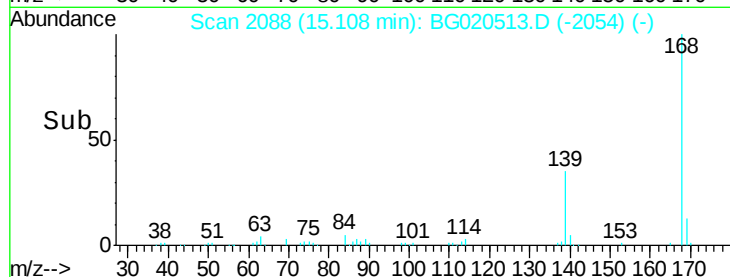
40000

20000

0

15.05 15.10 15.15

Time-->



#55

2,4-Dinitrotoluene

Concen: 31.22 ng/ul

RT: 15.07 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

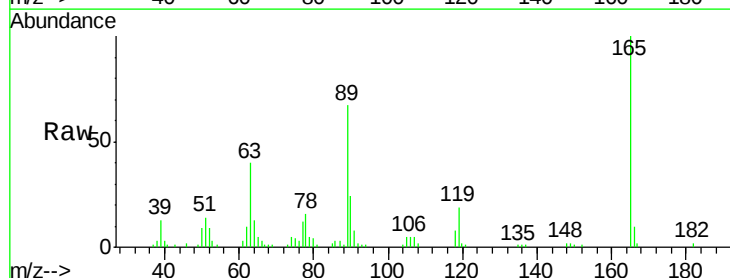
Tgt Ion:165 Resp: 40160

Ion Ratio Lower Upper

165 100

63 40.4 35.8 53.8

182 2.5 2.2 3.2



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E

30000

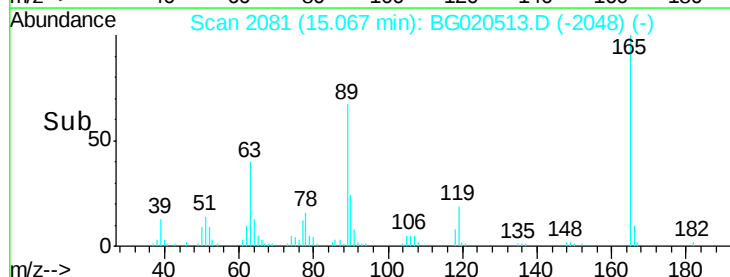
20000

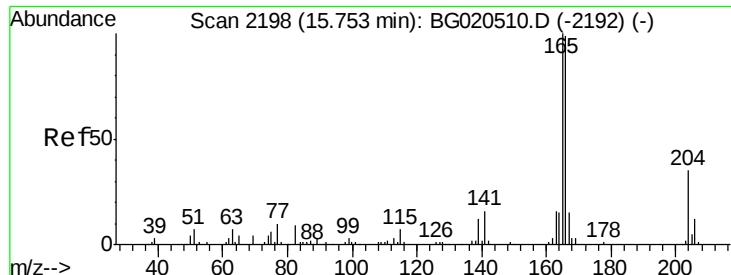
10000

0

15.00 15.05 15.10 15.15

Time-->





#59

Fluorene

Concen: 21.65 ng/ul

RT: 15.75 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

Instrument :

BNA_G

ClientSampleId :

D9N68MS

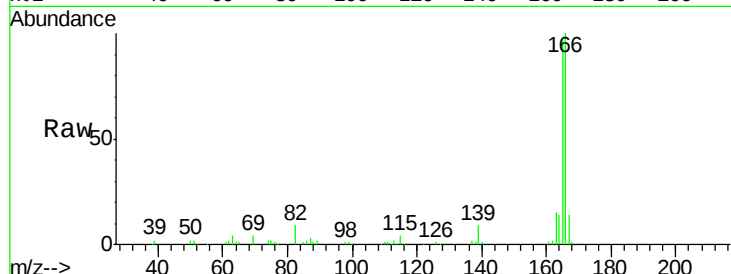
Tgt Ion:166 Resp: 89464

Ion Ratio Lower Upper

166 100

165 97.4 81.4 122.0

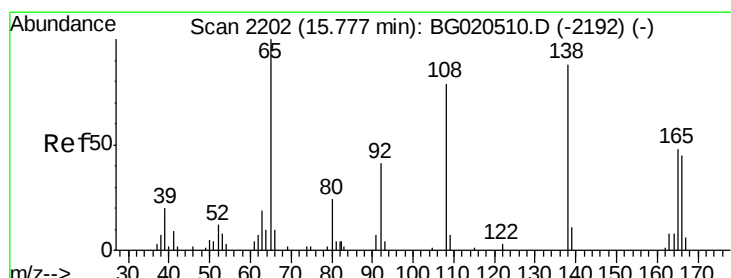
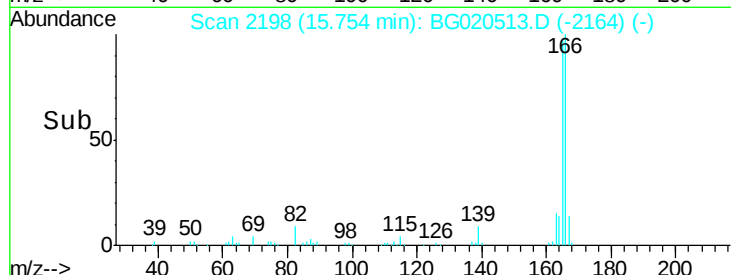
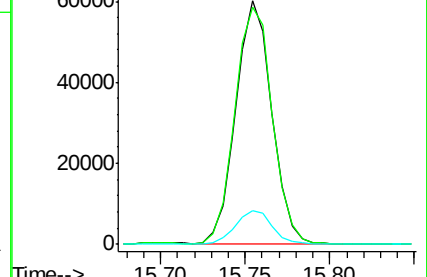
167 13.8 11.2 16.8



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: 1.07 ng/ul

RT: 15.75 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

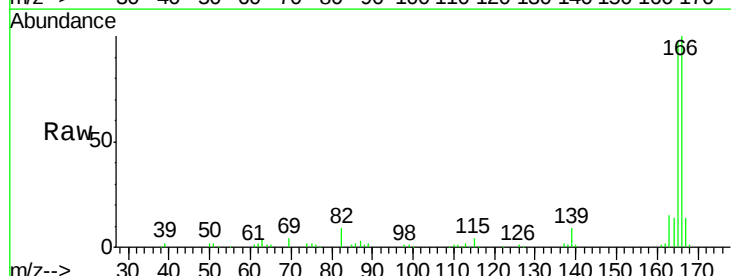
Tgt Ion:138 Resp: 953

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

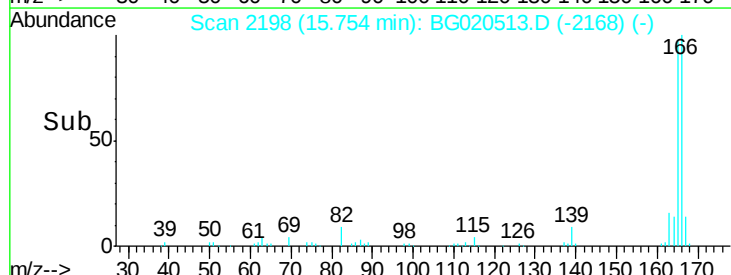
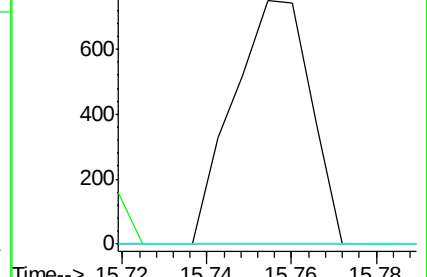
108 0.0 75.4 113.0#

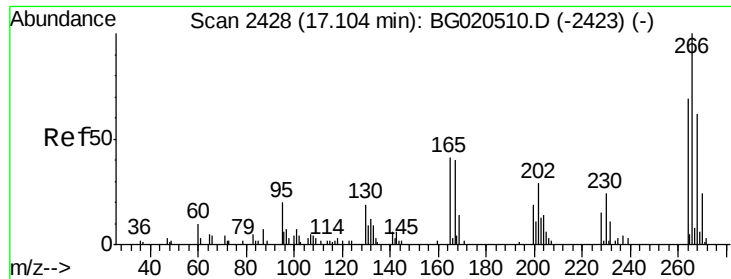


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

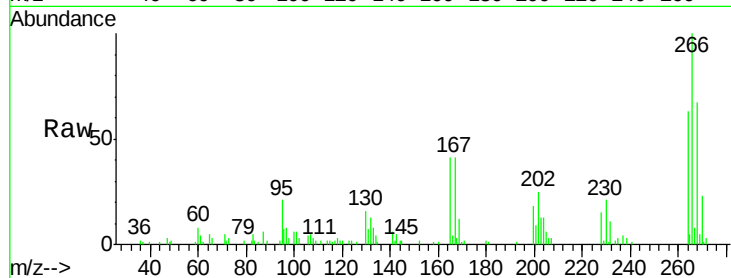




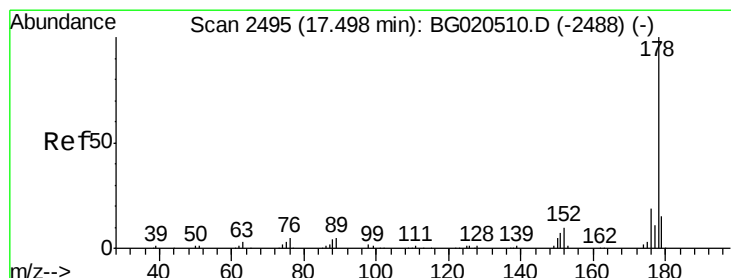
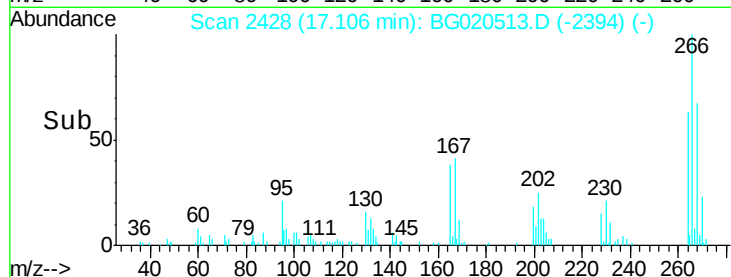
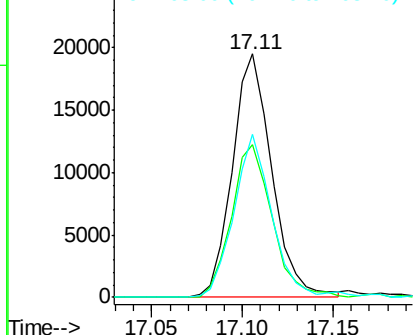
#69
 Pentachlorophenol
 Concen: 28.84 ng/ul
 RT: 17.11 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG020513.D
 Acq: 25 Dec 2015 21:06

Instrument :
 BNA_G
 ClientSampleId :
 D9N68MS

Tgt Ion: 266 Resp: 29603
 Ion Ratio Lower Upper
 266 100
 264 67.8 52.2 78.2
 268 66.9 49.3 73.9

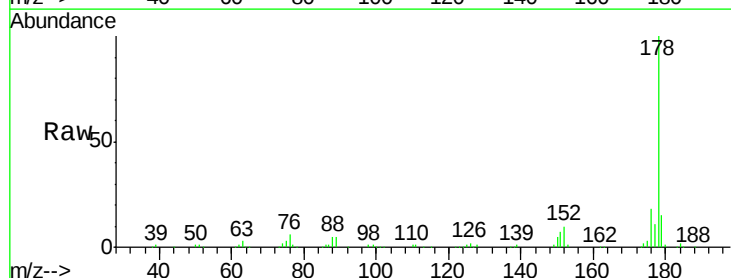


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

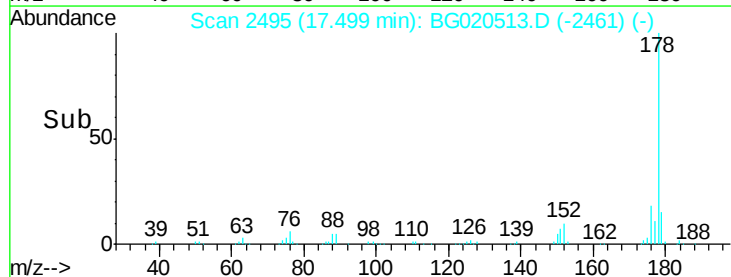
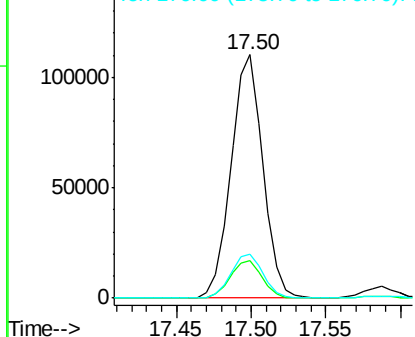


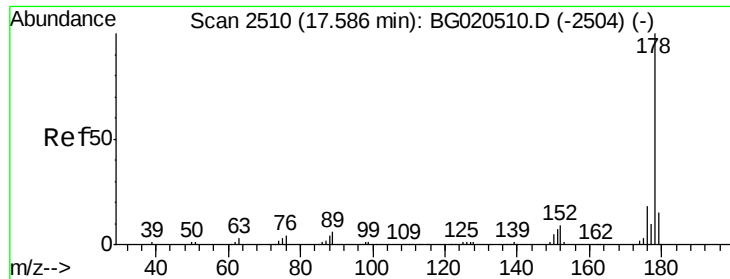
#70
 Phenanthrene
 Concen: 21.59 ng/ul
 RT: 17.50 min Scan# 2495
 Delta R.T. 0.00 min
 Lab File: BG020513.D
 Acq: 25 Dec 2015 21:06

Tgt Ion: 178 Resp: 163887
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.9 19.3
 176 18.1 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: 1.02 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

Instrument :

BNA_G

ClientSampleId :

D9N68MS

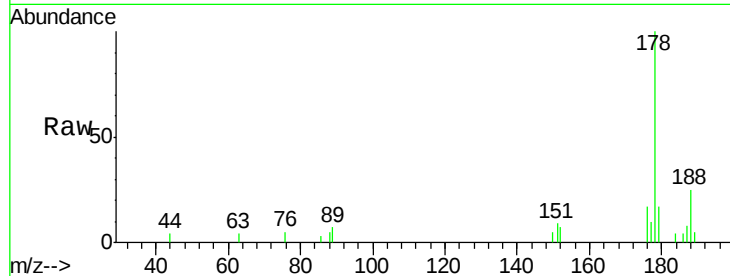
Tgt Ion:178 Resp: 7950

Ion Ratio Lower Upper

178 100

179 17.2 12.3 18.5

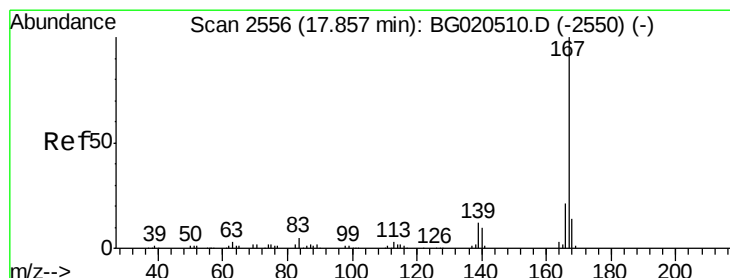
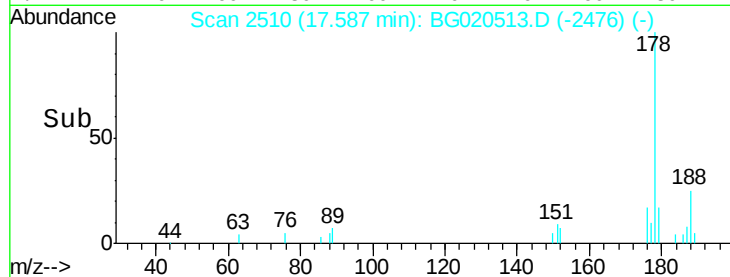
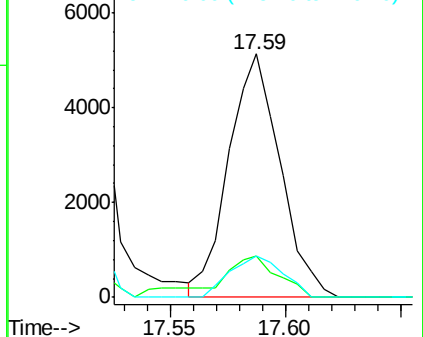
176 16.8 14.3 21.5



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: 1.26 ng/ul

RT: 17.86 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

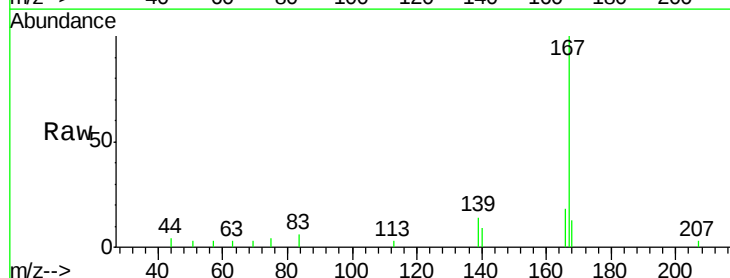
Tgt Ion:167 Resp: 8235

Ion Ratio Lower Upper

167 100

166 17.7 17.0 25.6

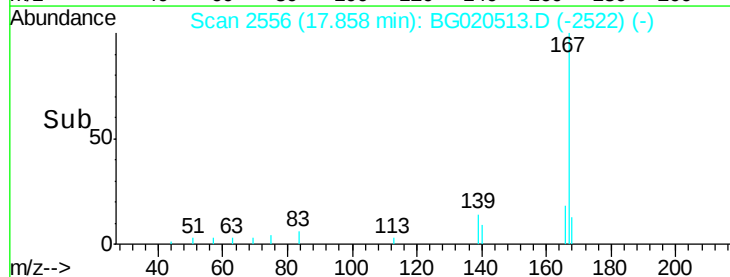
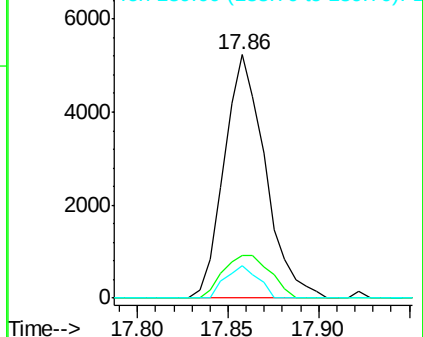
139 13.6 10.1 15.1

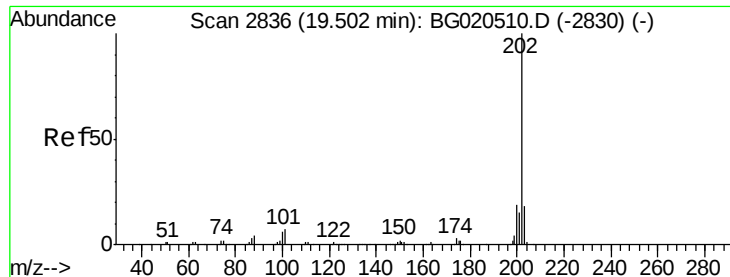


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 1.14 ng/ul

RT: 19.50 min Scan# 2836

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

Instrument :

BNA_G

ClientSampleId :

D9N68MS

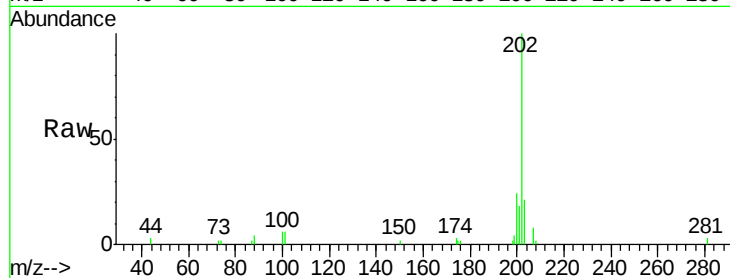
Tgt Ion:202 Resp: 10887

Ion Ratio Lower Upper

202 100

101 6.1 6.2 9.4#

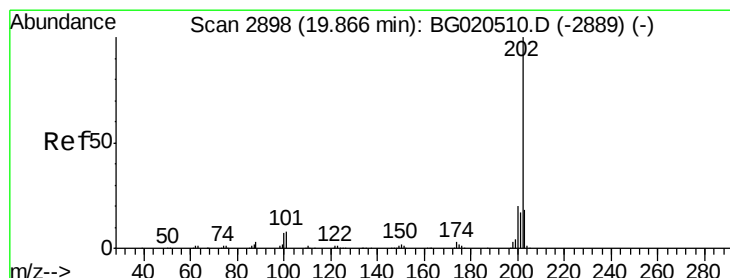
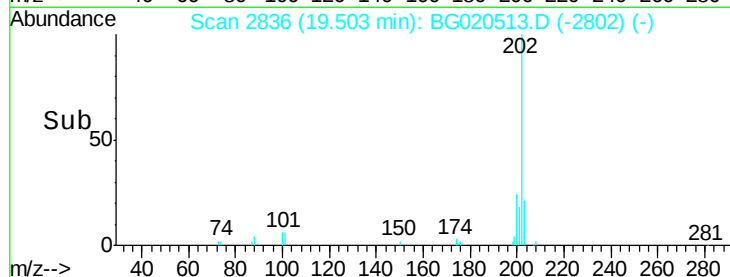
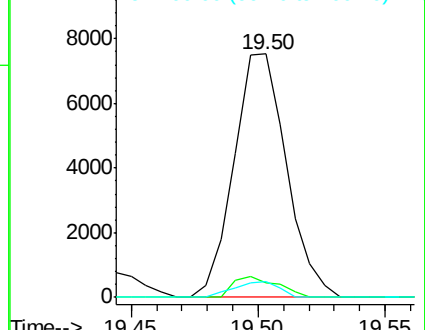
100 6.2 5.1 7.7



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: 32.73 ng/ul

RT: 19.87 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG020513.D

Acq: 25 Dec 2015 21:06

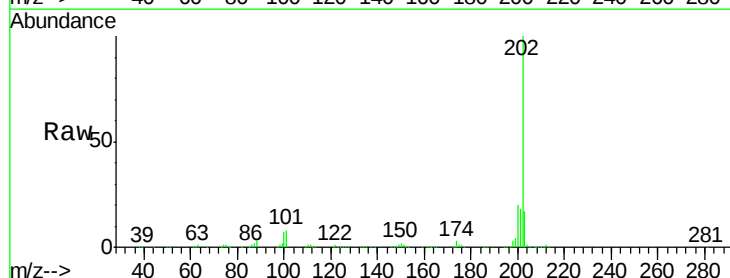
Tgt Ion:202 Resp: 332831

Ion Ratio Lower Upper

202 100

101 8.3 7.0 10.4

100 7.1 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

