

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020564.D
 Acq On : 27 Dec 2015 21:13
 Operator : UM/SJ
 Sample : G4846-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N57

Quant Time: Dec 28 05:03:14 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	19241	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	88540	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	65668	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	169857	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	207356	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	189813	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	484	1.39	ng/uL	0.00
5) Phenol-d5	7.23	99	12977	8.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	30569	33.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	33232	28.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25024	19.26	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	22047	31.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	26155	33.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	44773	29.32	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	462	0.26	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	171580	31.70	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	201004	32.05	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5506	6.10	ng/ul	0.00
58) Fluorene-d10	15.70	176	156545	31.98	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	27623	24.54	ng/ul	0.00
71) Anthracene-d10	17.56	188	254579	32.00	ng/ul	0.00
79) Pyrene-d10	19.84	212	298167	33.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	321228	33.48	ng/ul	0.00

Target Compounds

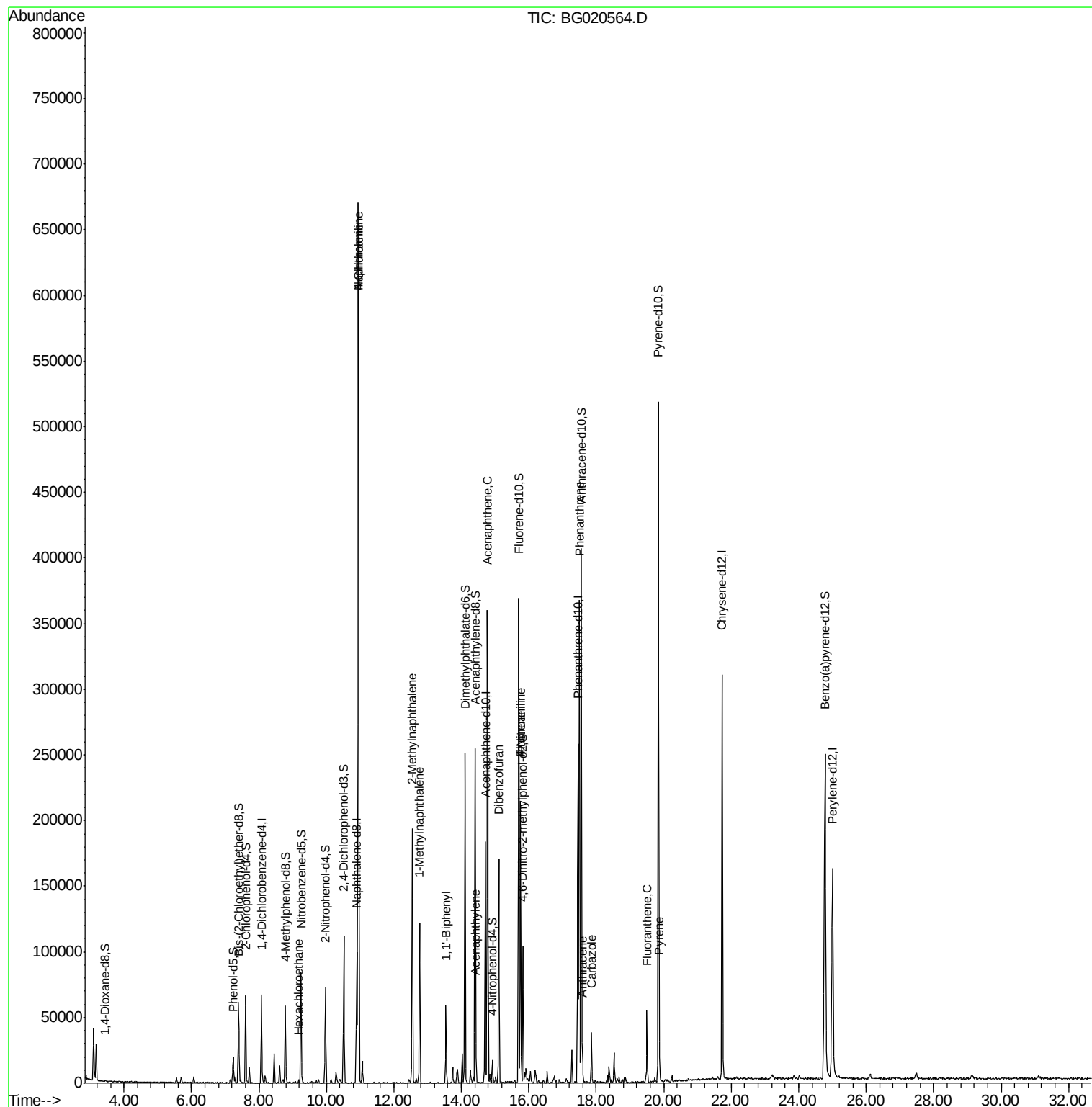
						Qvalue
17) Hexachloroethane	9.19	117	535	1.02	ng/ul#	1
28) Naphthalene	10.95	128	573212	121.79	ng/ul	97
30) 4-Chloroaniline	10.95	127	80113	45.55	ng/ul#	18
34) 2-Methylnaphthalene	12.54	142	96924	27.83	ng/ul	95
35) 1-Methylnaphthalene	12.76	142	58519	17.69	ng/ul	98
41) 1,1'-Biphenyl	13.55	154	33631	6.64	ng/ul#	89
48) Acenaphthylene	14.43	152	11560	1.75	ng/ul#	94
50) Acenaphthene	14.77	153	160636	36.05	ng/ul	99
54) Dibenzofuran	15.11	168	119745	18.06	ng/ul	98
59) Fluorene	15.75	166	103012	19.17	ng/ul	94
61) 4-Nitroaniline	15.75	138	1176	1.01	ng/ul#	10
70) Phenanthrene	17.50	178	239599	25.35	ng/ul	99
72) Anthracene	17.59	178	16343	1.69	ng/ul	99
75) Carbazole	17.86	167	27138	3.33	ng/ul	99
77) Fluoranthene	19.50	202	37848	3.18	ng/ul	98
80) Pyrene	19.87	202	23081	1.97	ng/ul	98

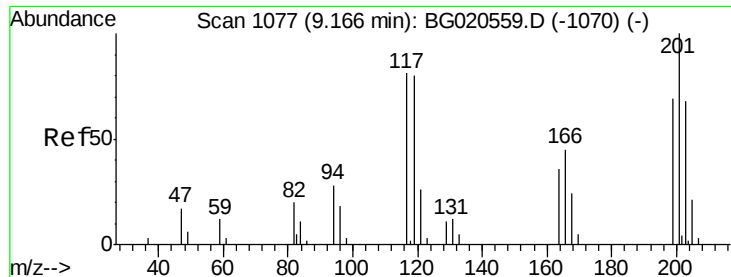
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

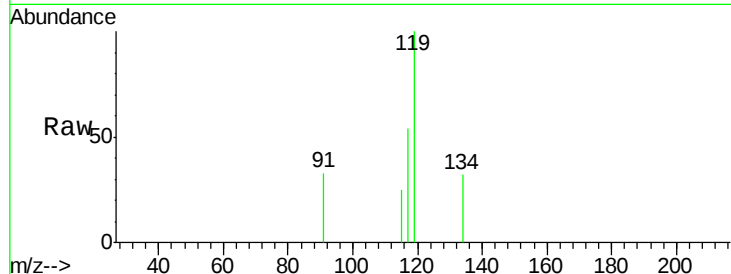




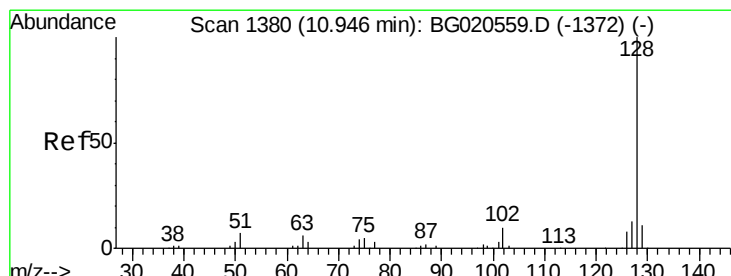
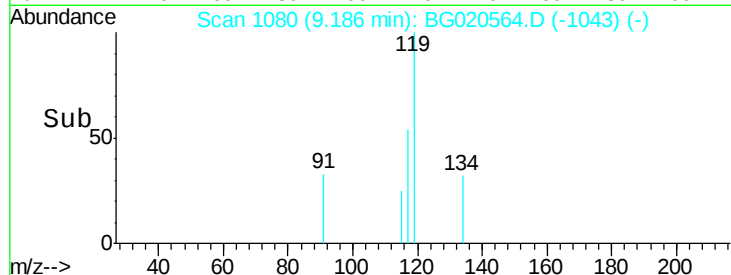
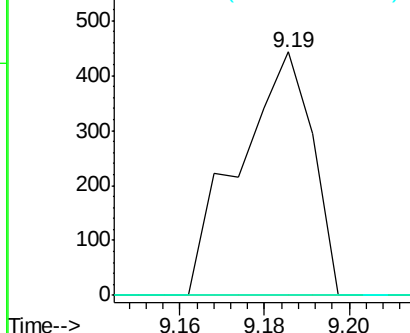
#17
Hexachloroethane
Concen: 1.02 ng/ul
RT: 9.19 min Scan# 1080
Delta R.T. 0.02 min
Lab File: BG020564.D
Acq: 27 Dec 2015 21:13

Instrument :
BNA_G
ClientSampleId :
D9N57

Tgt Ion:117 Resp: 535
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

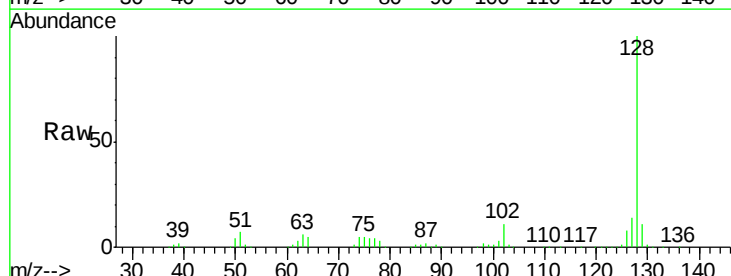


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

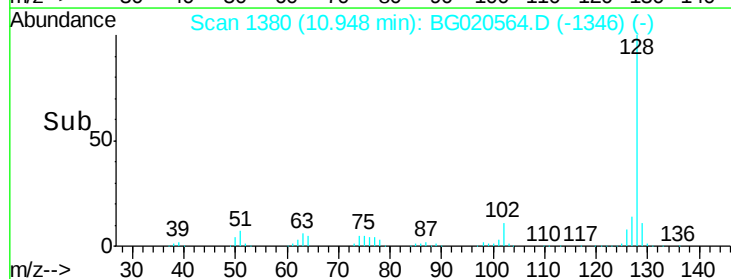
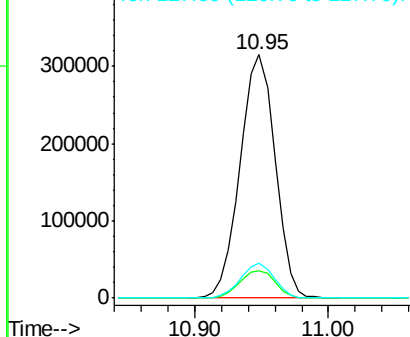


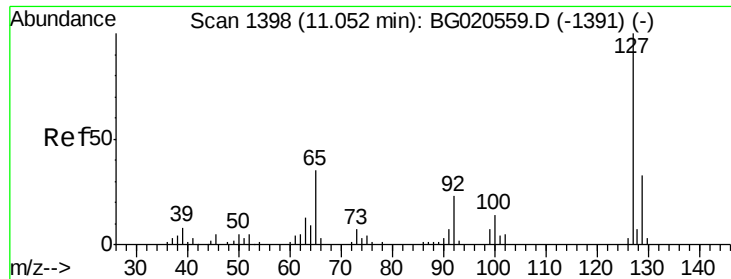
#28
Naphthalene
Concen: 121.79 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BG020564.D
Acq: 27 Dec 2015 21:13

Tgt Ion:128 Resp: 573212
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 14.3 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

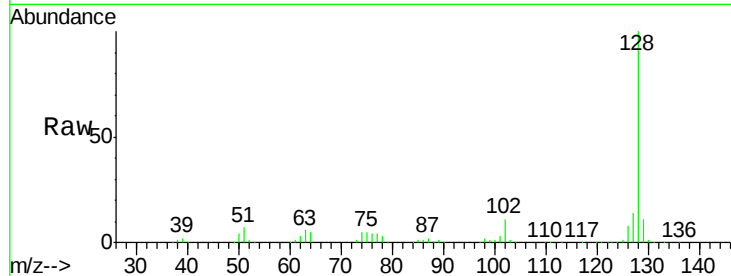




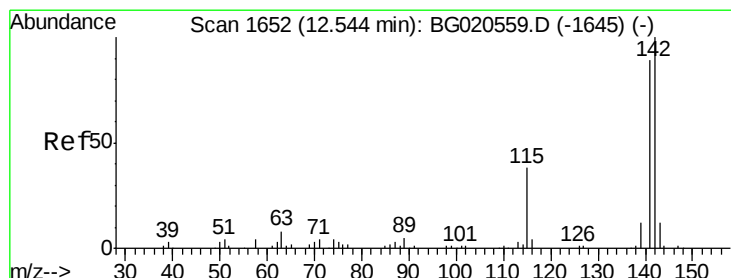
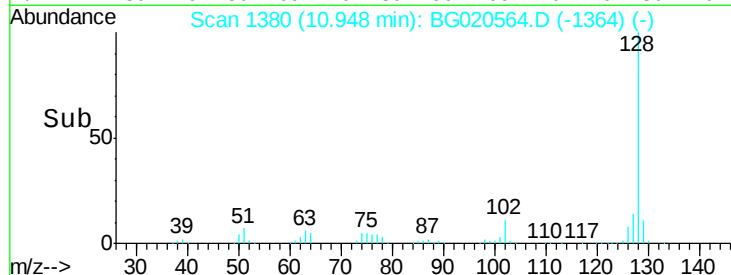
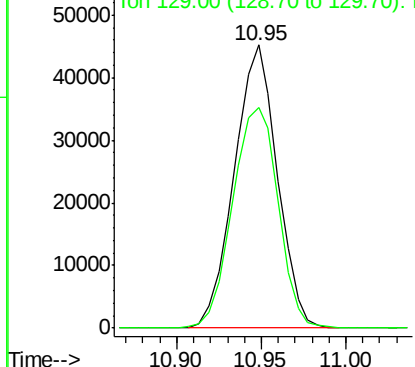
#30
4-Chloroaniline
Concen: 45.55 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. -0.10 min
Lab File: BG020564.D
Acq: 27 Dec 2015 21:13

Instrument :
BNA_G
ClientSampleId :
D9N57

Tgt Ion:127 Resp: 80113
Ion Ratio Lower Upper
127 100
129 78.0 25.7 38.5#

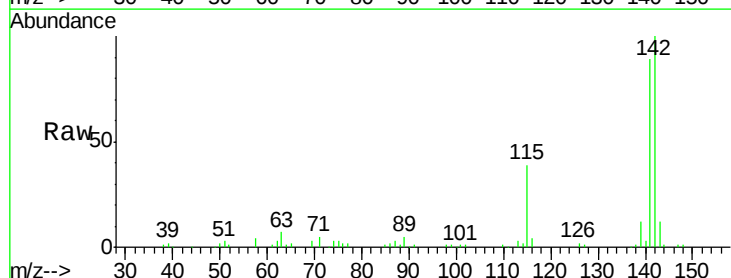


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

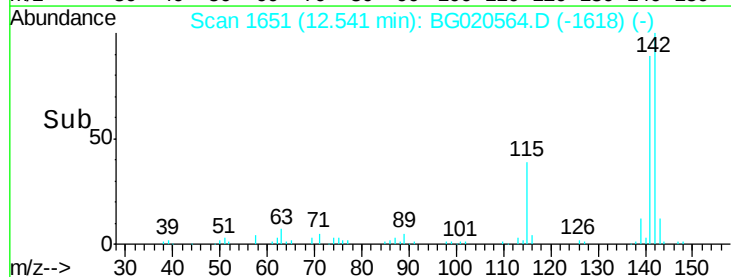
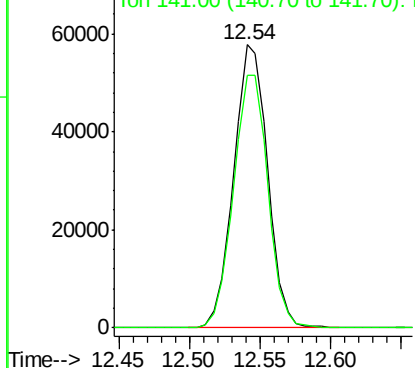


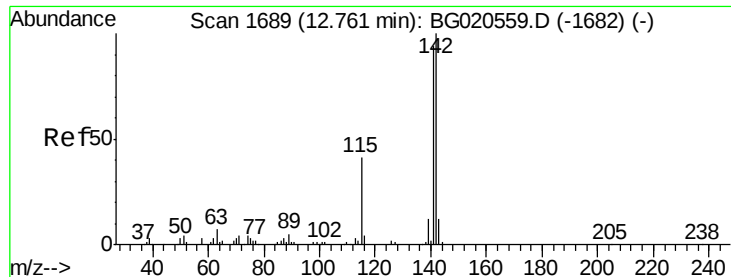
#34
2-Methylnaphthalene
Concen: 27.83 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG020564.D
Acq: 27 Dec 2015 21:13

Tgt Ion:142 Resp: 96924
Ion Ratio Lower Upper
142 100
141 89.1 74.9 112.3



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

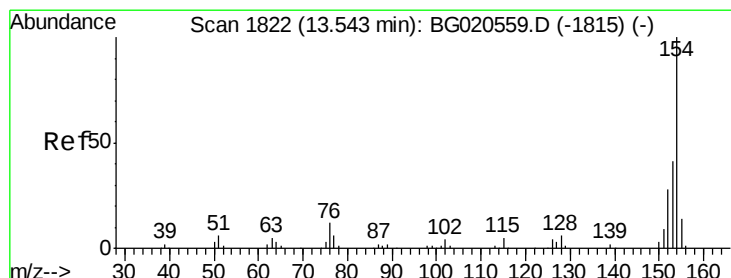
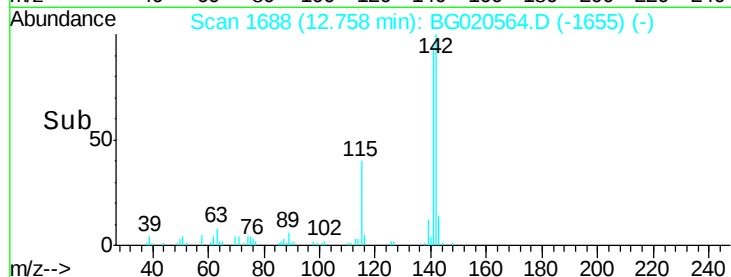
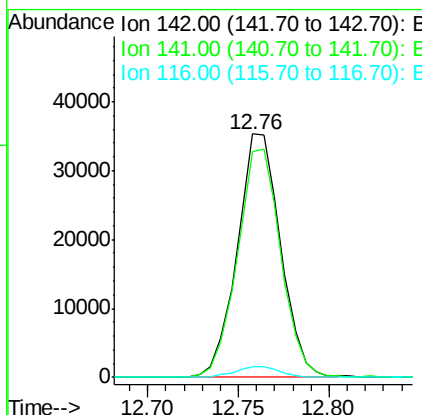
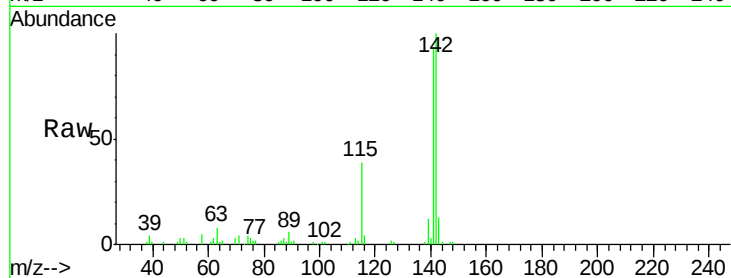




#35
 1-Methylnaphthalene
 Concen: 17.69 ng/ul
 RT: 12.76 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: BG020564.D
 Acq: 27 Dec 2015 21:13

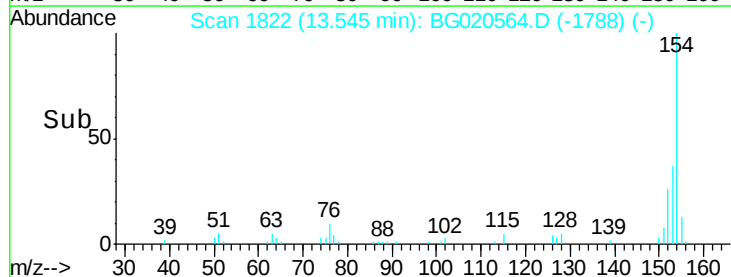
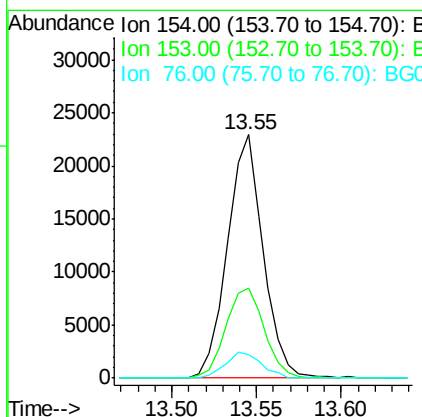
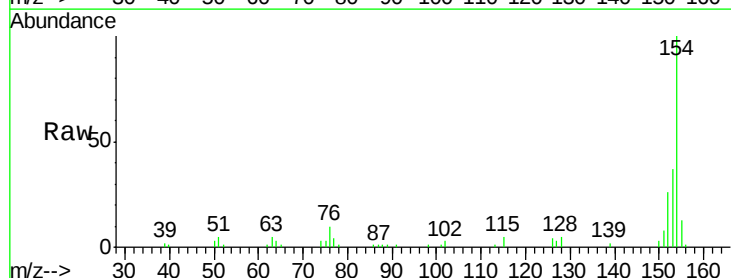
Instrument :
 BNA_G
 ClientSampleId :
 D9N57

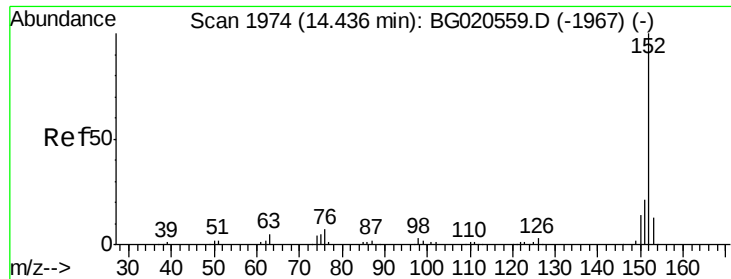
Tgt Ion:142 Resp: 58519
 Ion Ratio Lower Upper
 142 100
 141 92.9 73.0 109.6
 116 4.5 3.0 4.6



#41
 1,1'-Biphenyl
 Concen: 6.64 ng/ul
 RT: 13.55 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020564.D
 Acq: 27 Dec 2015 21:13

Tgt Ion:154 Resp: 33631
 Ion Ratio Lower Upper
 154 100
 153 37.0 35.5 53.3
 76 9.6 10.4 15.6#





#48

Acenaphthylene

Concen: 1.75 ng/ul

RT: 14.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG020564.D

Acq: 27 Dec 2015 21:13

Instrument :

BNA_G

ClientSampleId :

D9N57

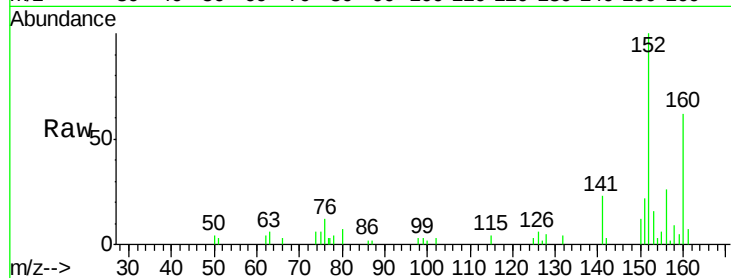
Tgt Ion:152 Resp: 11560

Ion Ratio Lower Upper

152 100

151 22.4 16.4 24.6

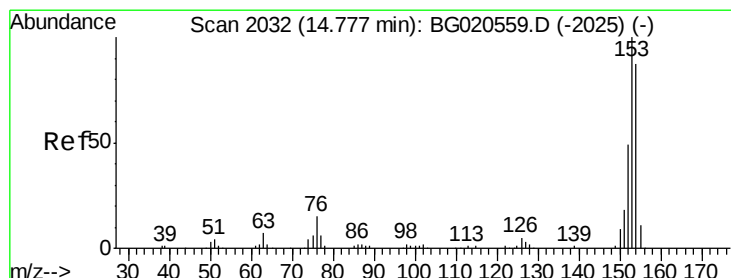
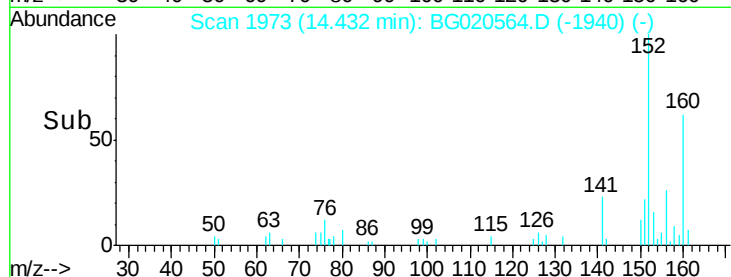
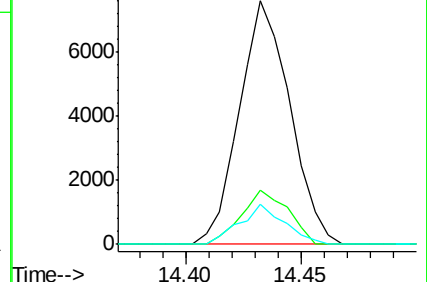
153 16.3 10.4 15.6#



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: 36.05 ng/ul

RT: 14.77 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BG020564.D

Acq: 27 Dec 2015 21:13

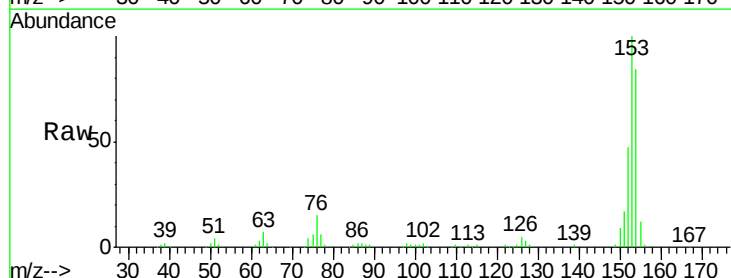
Tgt Ion:153 Resp: 160636

Ion Ratio Lower Upper

153 100

152 46.8 37.6 56.4

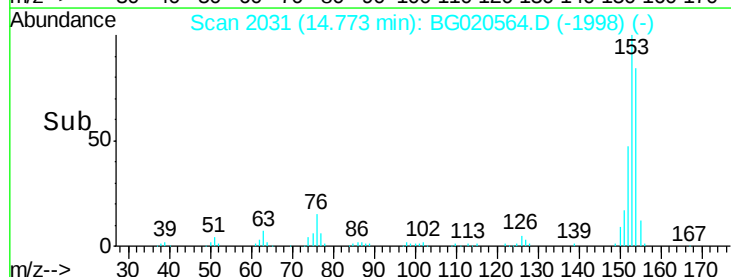
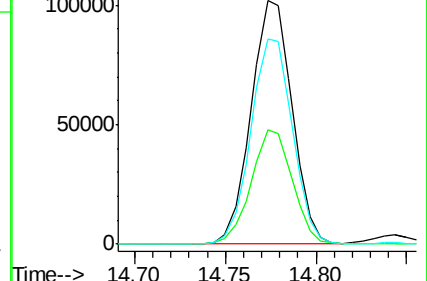
154 84.2 67.9 101.9

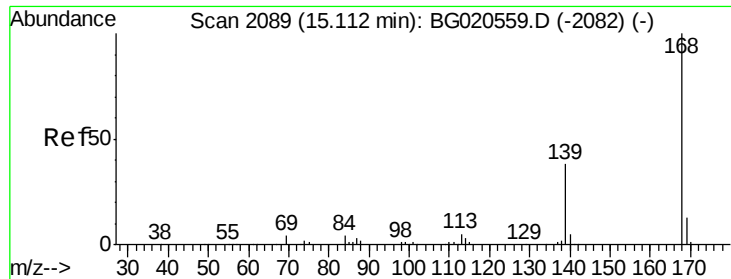


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 18.06 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BG020564.D

Acq: 27 Dec 2015 21:13

Instrument :

BNA_G

ClientSampleId :

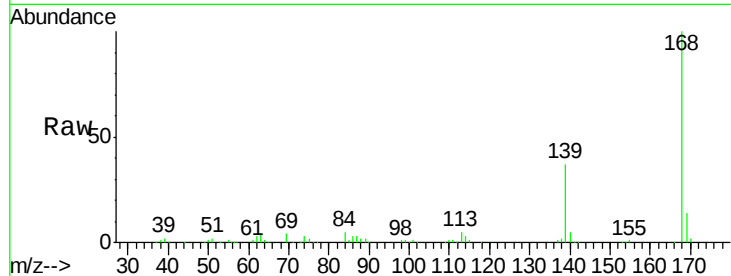
D9N57

Tgt Ion:168 Resp: 119745

Ion Ratio Lower Upper

168 100

139 36.8 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

80000

60000

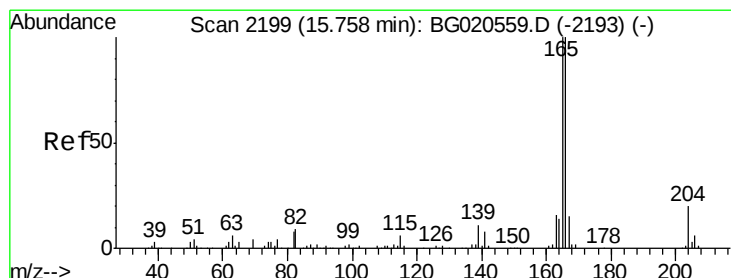
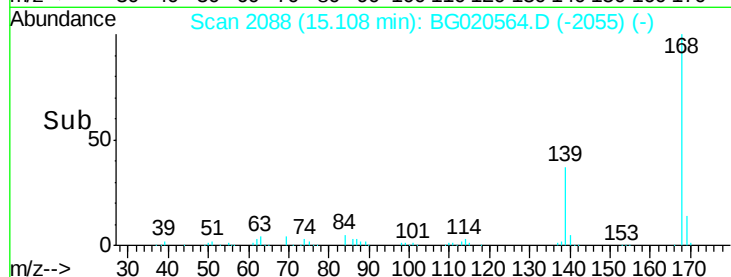
40000

20000

0

15.05 15.10 15.15

Time-->



#59

Fluorene

Concen: 19.17 ng/ul

RT: 15.75 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BG020564.D

Acq: 27 Dec 2015 21:13

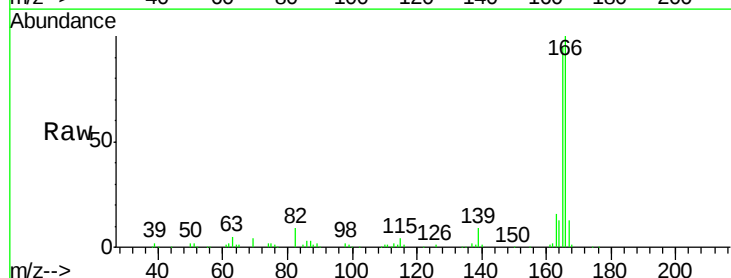
Tgt Ion:166 Resp: 103012

Ion Ratio Lower Upper

166 100

165 95.0 81.4 122.0

167 13.4 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

80000

60000

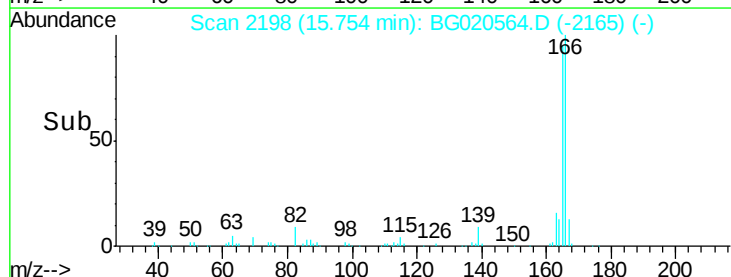
40000

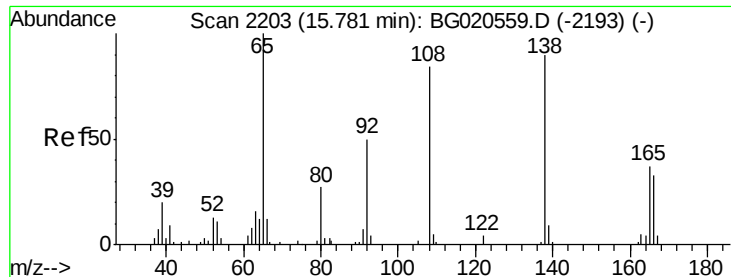
20000

0

15.70 15.75 15.80

Time-->

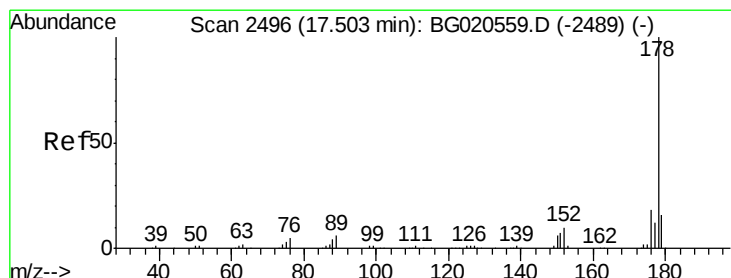
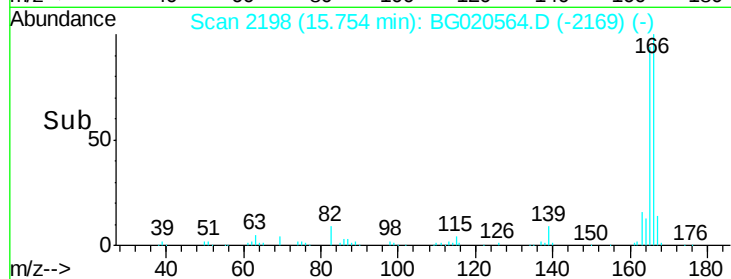
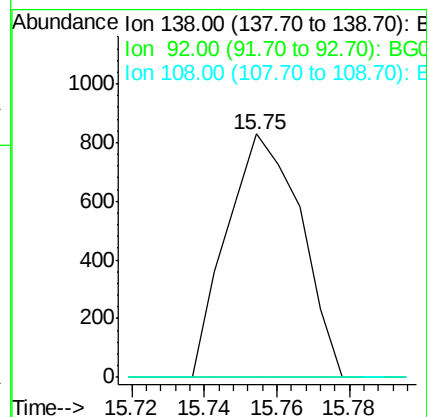
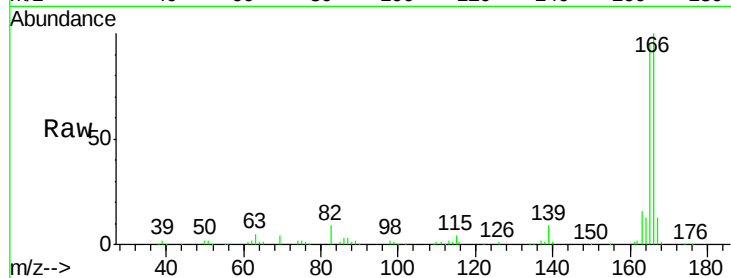




#61
 4-Nitroaniline
 Concen: 1.01 ng/ul
 RT: 15.75 min Scan# 2198
 Delta R.T. -0.03 min
 Lab File: BG020564.D
 Acq: 27 Dec 2015 21:13

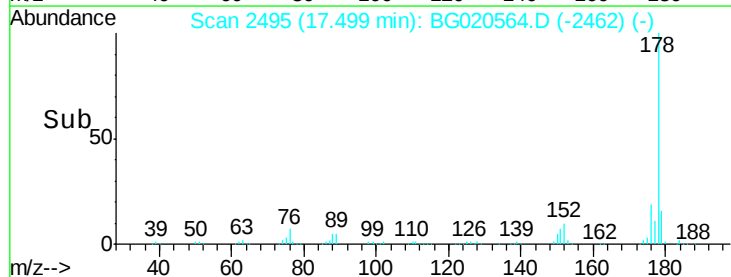
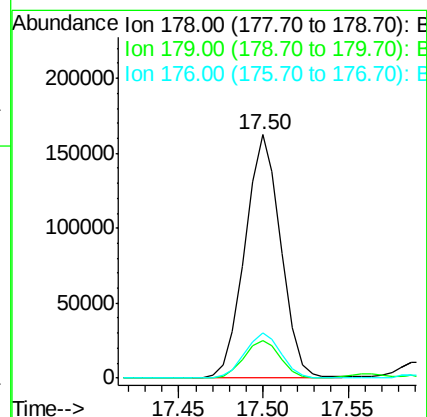
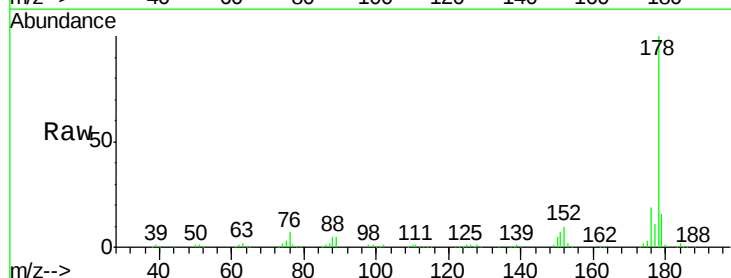
Instrument :
 BNA_G
 ClientSampled :
 D9N57

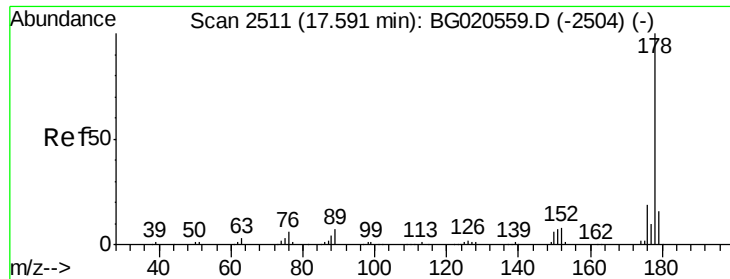
Tgt Ion:138 Resp: 1176
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 0.0 75.4 113.0#



#70
 Phenanthrene
 Concen: 25.35 ng/ul
 RT: 17.50 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: BG020564.D
 Acq: 27 Dec 2015 21:13

Tgt Ion:178 Resp: 239599
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.9 19.3
 176 18.6 15.3 22.9





#72

Anthracene

Concen: 1.69 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG020564.D

Acq: 27 Dec 2015 21:13

Instrument :

BNA_G

ClientSampleId :

D9N57

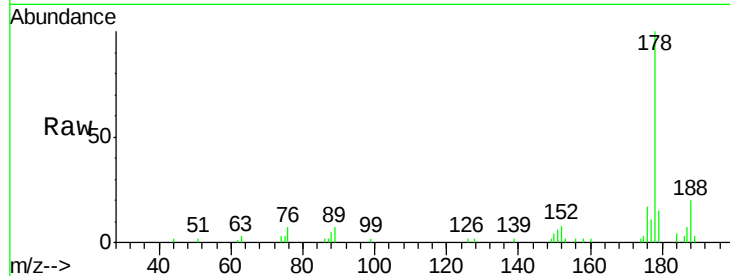
Tgt Ion:178 Resp: 16343

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

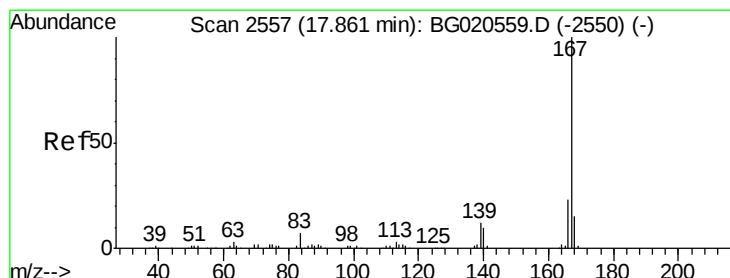
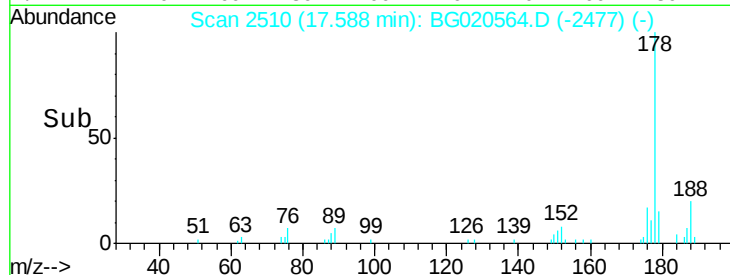
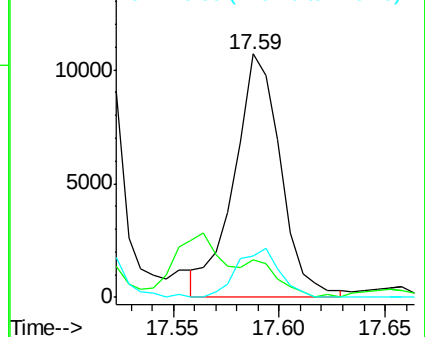
176 17.1 14.3 21.5



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: 3.33 ng/ul

RT: 17.86 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BG020564.D

Acq: 27 Dec 2015 21:13

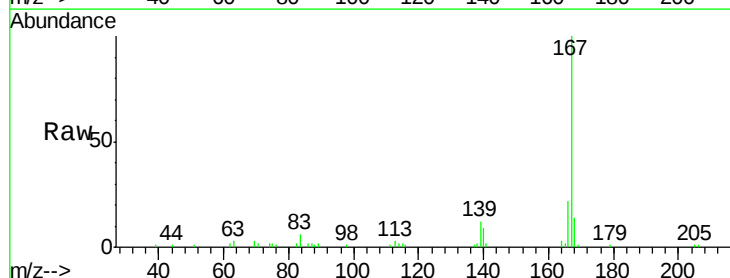
Tgt Ion:167 Resp: 27138

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

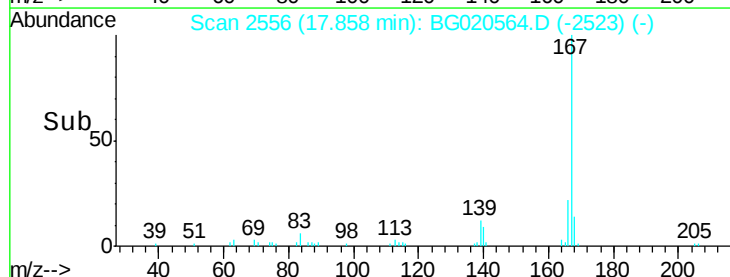
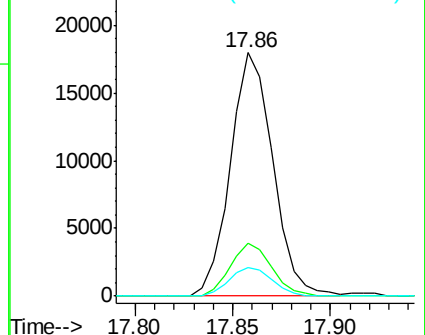
139 12.0 10.1 15.1

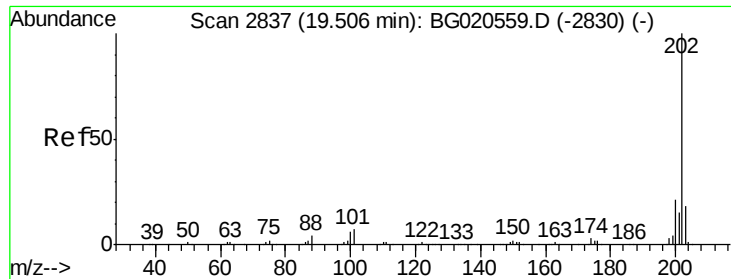


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

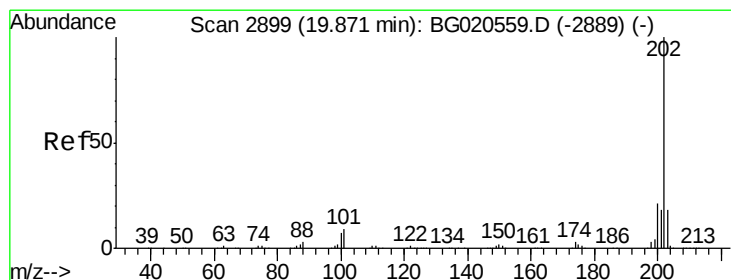
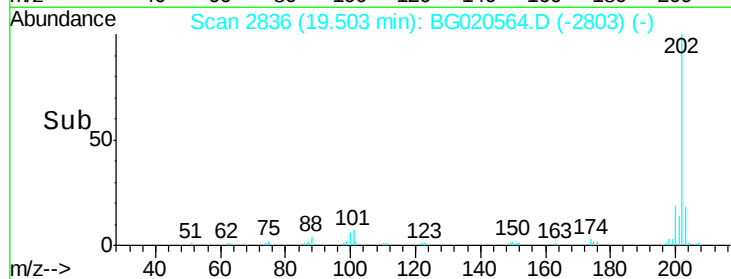
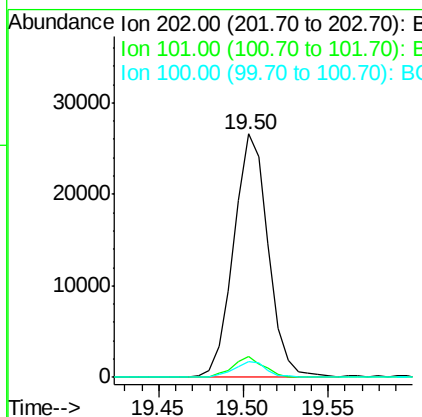
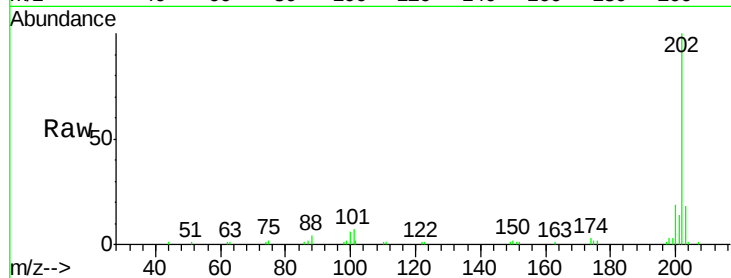




#77
Fluoranthene
 Concen: 3.18 ng/ul
 RT: 19.50 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: BG020564.D
 Acq: 27 Dec 2015 21:13

Instrument :
 BNA_G
 ClientSampleId :
 D9N57

Tgt Ion:202 Resp: 37848
 Ion Ratio Lower Upper
 202 100
 101 8.7 6.2 9.4
 100 6.5 5.1 7.7



#80
Pyrene
 Concen: 1.97 ng/ul
 RT: 19.87 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: BG020564.D
 Acq: 27 Dec 2015 21:13

Tgt Ion:202 Resp: 23081
 Ion Ratio Lower Upper
 202 100
 101 7.7 7.0 10.4
 100 7.6 6.4 9.6

