

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020556.D
 Acq On : 27 Dec 2015 15:17
 Operator : UM/SJ
 Sample : G4846-20
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N67

Quant Time: Dec 28 02:44:31 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 02:38:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	17575	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	79740	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	58572	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	150414	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	188551	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	176965	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	290	0.91	ng/uL	0.00
5) Phenol-d5	7.23	99	9761	6.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	18257	21.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	20360	18.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	16570	13.96	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	13371	21.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	15370	21.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	26711	19.42	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.11	166	104010	21.54	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	119556	21.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	3906	4.85	ng/ul	0.00
58) Fluorene-d10	15.70	176	95841	21.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	14946	14.99	ng/ul	0.00
71) Anthracene-d10	17.56	188	157753	22.39	ng/ul	0.00
79) Pyrene-d10	19.84	212	188957	23.15	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	194536	21.74	ng/ul	0.00

Target Compounds

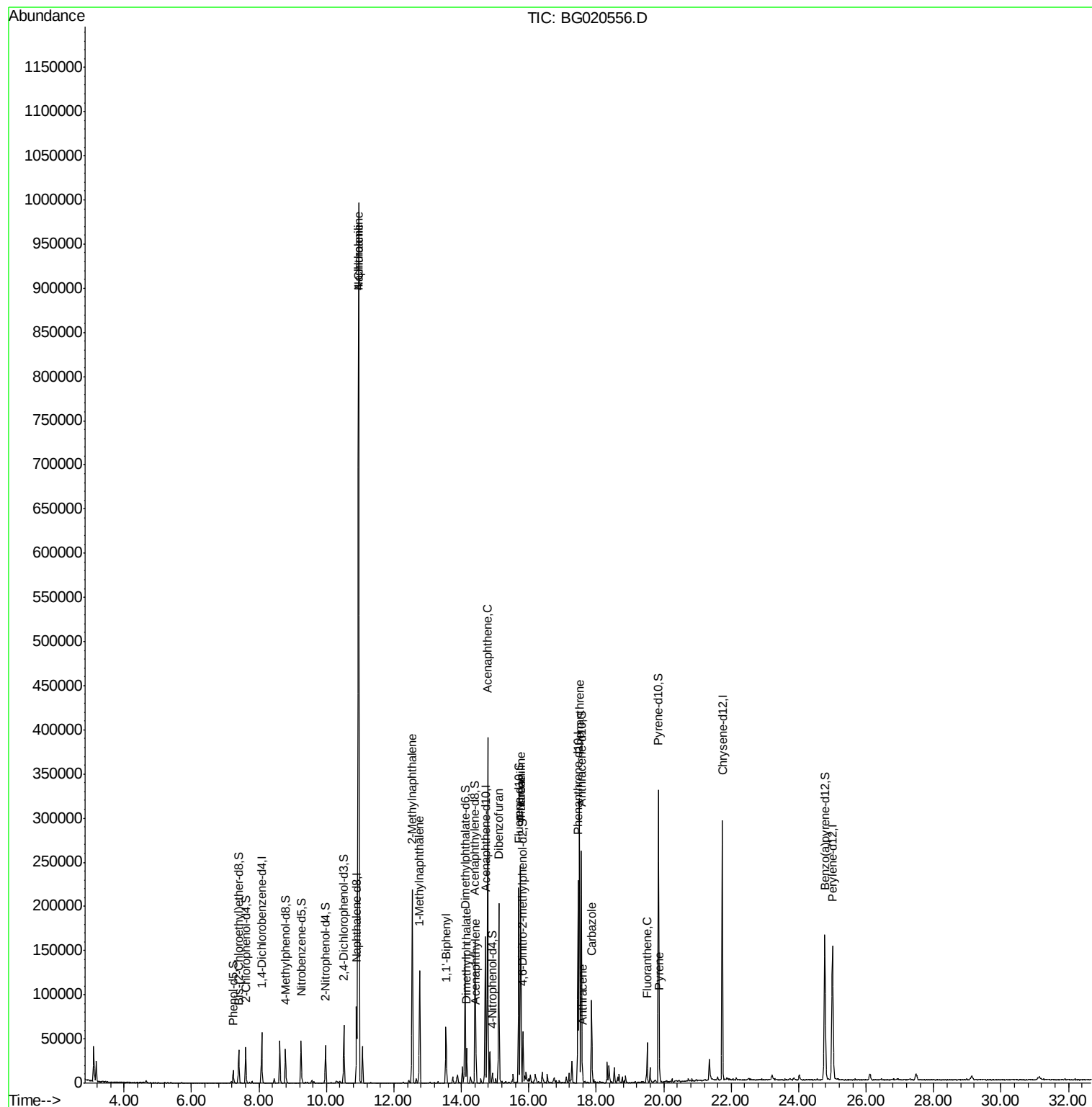
						Qvalue
28) Naphthalene	10.95	128	859513	202.77	ng/ul	96
30) 4-Chloroaniline	10.95	127	121308	76.58	ng/ul#	11
34) 2-Methylnaphthalene	12.54	142	104905	33.45	ng/ul	93
35) 1-Methylnaphthalene	12.76	142	60946	20.46	ng/ul	97
41) 1,1'-Biphenyl	13.54	154	34632	7.66	ng/ul	98
45) Dimethylphthalate	14.15	163	27637	5.63	ng/ul	96
48) Acenaphthylene	14.44	152	19258	3.28	ng/ul	98
50) Acenaphthene	14.78	153	167546	42.15	ng/ul	100
54) Dibenzofuran	15.11	168	141756	23.97	ng/ul	97
59) Fluorene	15.76	166	108911	22.73	ng/ul	97
61) 4-Nitroaniline	15.75	138	1134	1.10	ng/ul#	10
70) Phenanthrene	17.50	178	215846	25.79	ng/ul	99
72) Anthracene	17.59	178	10510	1.23	ng/ul	97
75) Carbazole	17.86	167	65658	9.10	ng/ul	99
77) Fluoranthene	19.51	202	32836	3.12	ng/ul#	96
80) Pyrene	19.86	202	18617	1.75	ng/ul#	96

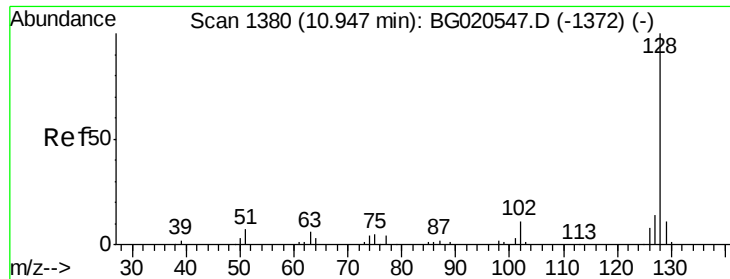
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 202.77 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BG020556.D

Acq: 27 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

D9N67

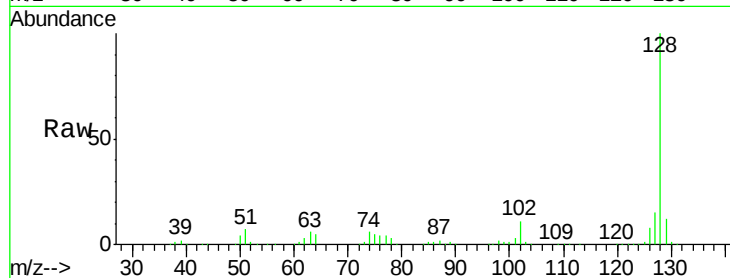
Tgt Ion:128 Resp: 859513

Ion Ratio Lower Upper

128 100

129 11.9 8.6 12.8

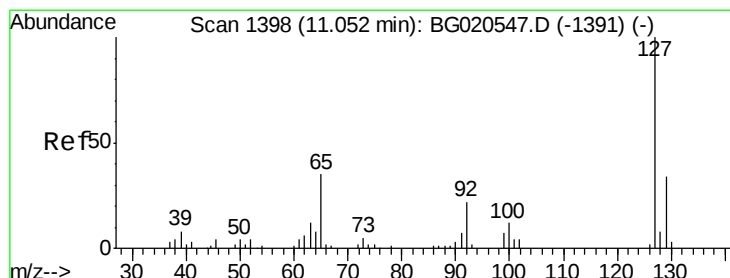
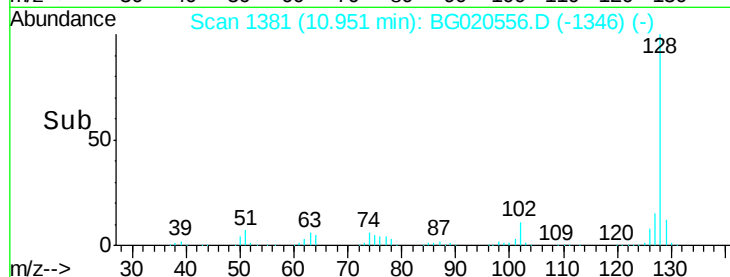
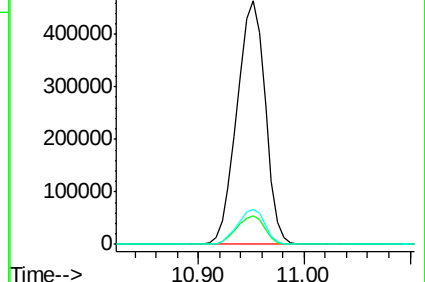
127 14.5 10.1 15.1



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: 76.58 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.10 min

Lab File: BG020556.D

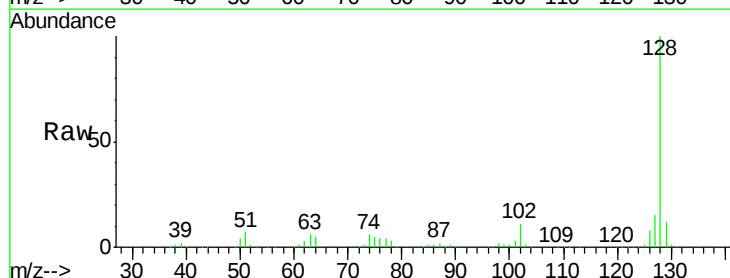
Acq: 27 Dec 2015 15:17

Tgt Ion:127 Resp: 121308

Ion Ratio Lower Upper

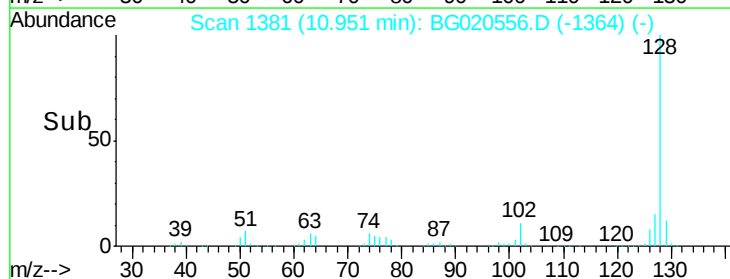
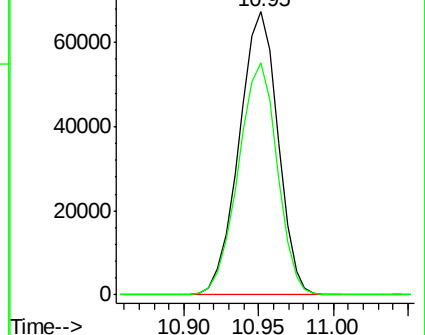
127 100

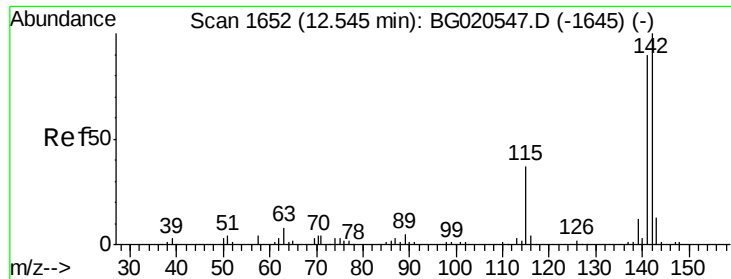
129 81.9 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

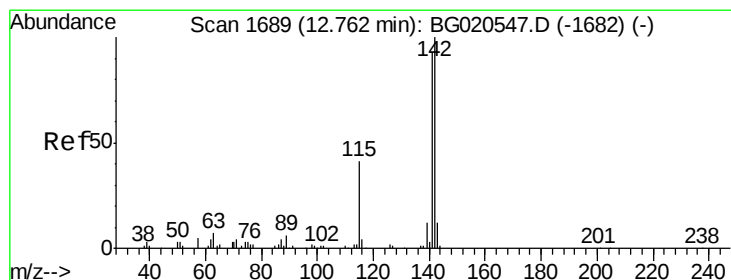
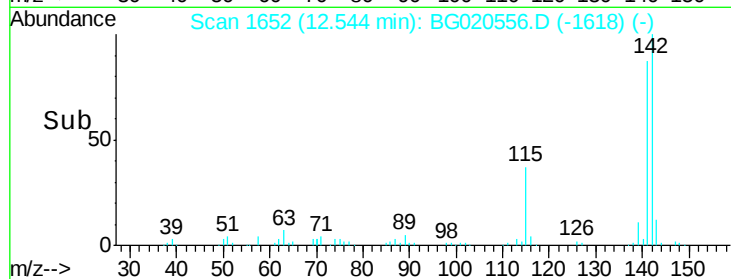
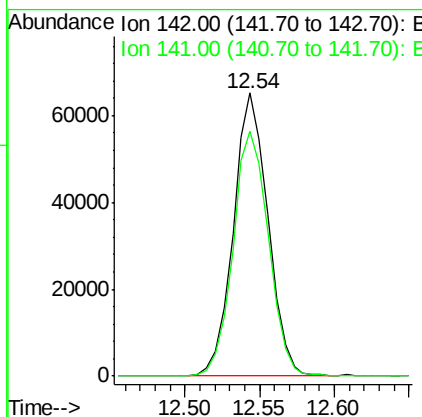
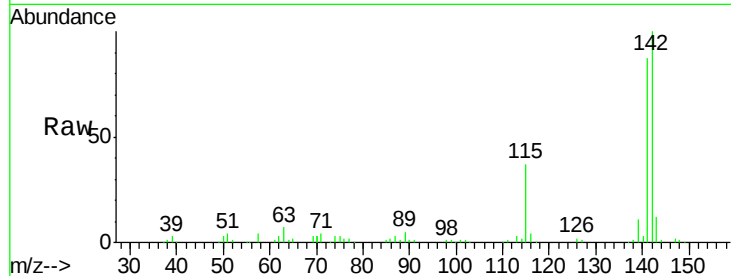




#34
2-Methylnaphthalene
Concen: 33.45 ng/ul
RT: 12.54 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BG020556.D
Acq: 27 Dec 2015 15:17

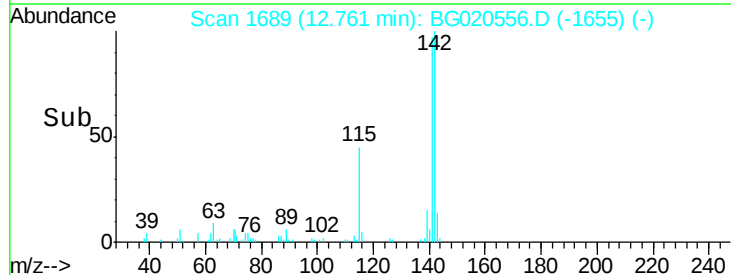
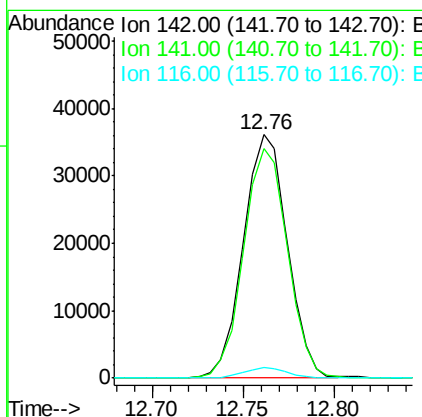
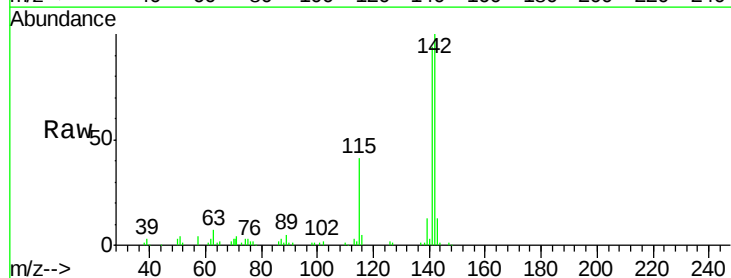
Instrument :
BNA_G
ClientSampleId :
D9N67

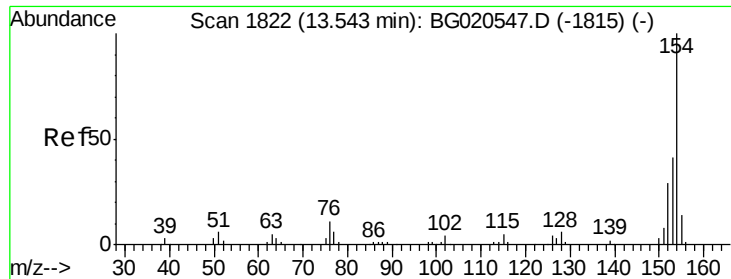
Tgt Ion:142 Resp: 104905
Ion Ratio Lower Upper
142 100
141 86.8 74.9 112.3



#35
1-Methylnaphthalene
Concen: 20.46 ng/ul
RT: 12.76 min Scan# 1689
Delta R.T. -0.00 min
Lab File: BG020556.D
Acq: 27 Dec 2015 15:17

Tgt Ion:142 Resp: 60946
Ion Ratio Lower Upper
142 100
141 94.2 73.0 109.6
116 4.5 3.0 4.6

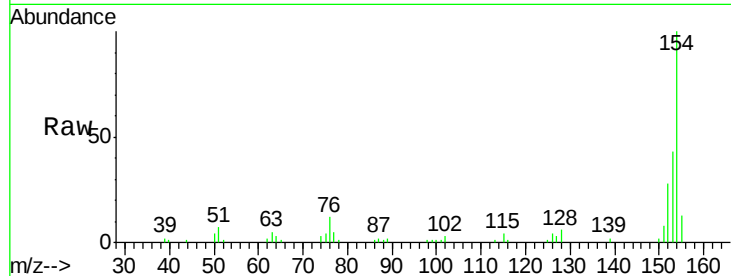




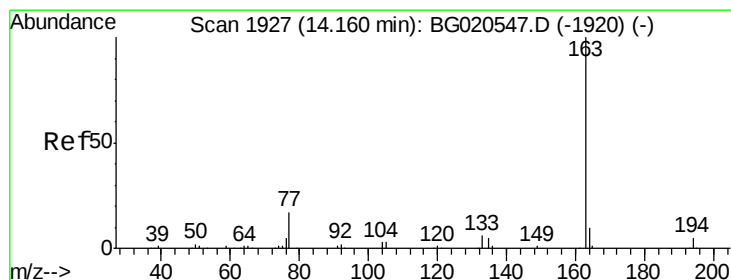
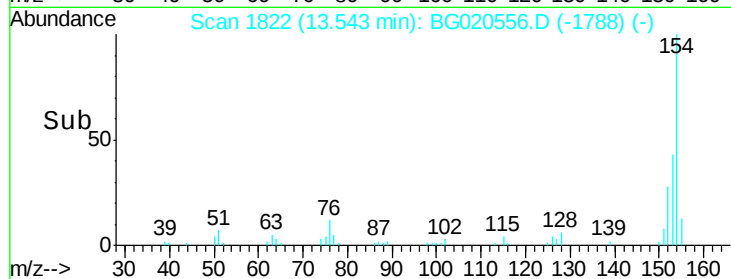
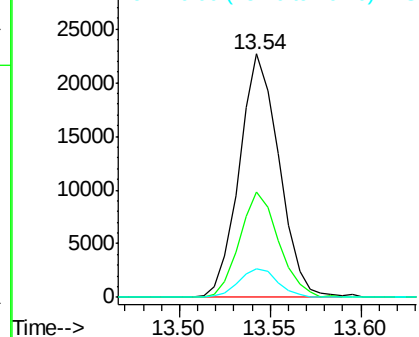
#41
 1,1'-Biphenyl
 Concen: 7.66 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG020556.D
 Acq: 27 Dec 2015 15:17

Instrument :
 BNA_G
 ClientSampleId :
 D9N67

Tgt Ion:154 Resp: 34632
 Ion Ratio Lower Upper
 154 100
 153 43.4 35.5 53.3
 76 11.7 10.4 15.6

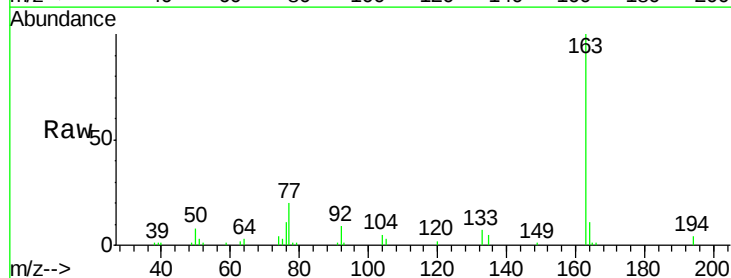


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

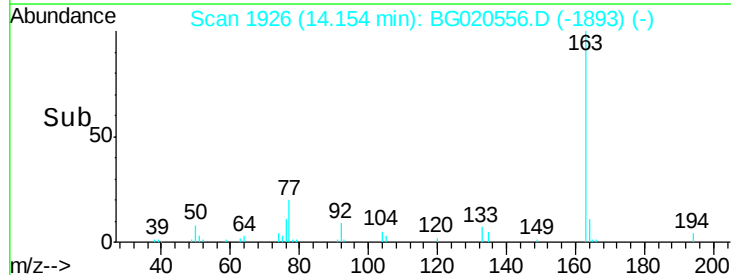
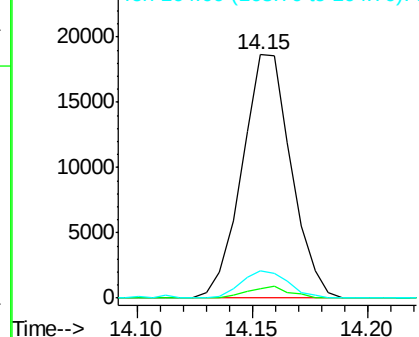


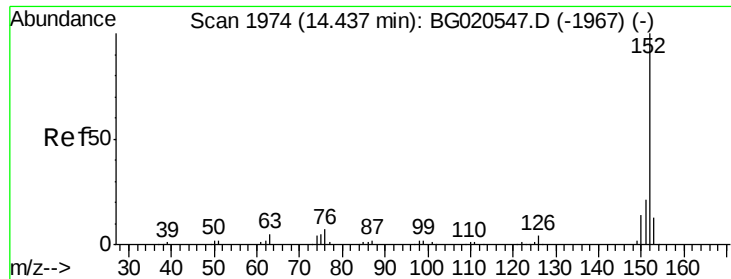
#45
 Dimethylphthalate
 Concen: 5.63 ng/ul
 RT: 14.15 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BG020556.D
 Acq: 27 Dec 2015 15:17

Tgt Ion:163 Resp: 27637
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.5 5.3
 164 11.4 7.7 11.5



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





#48

Acenaphthylene

Concen: 3.28 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG020556.D

Acq: 27 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

D9N67

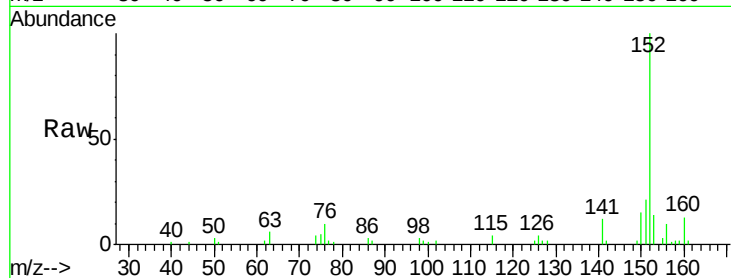
Tgt Ion:152 Resp: 19258

Ion Ratio Lower Upper

152 100

151 21.4 16.4 24.6

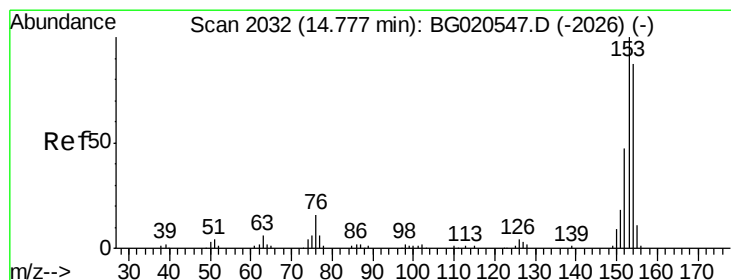
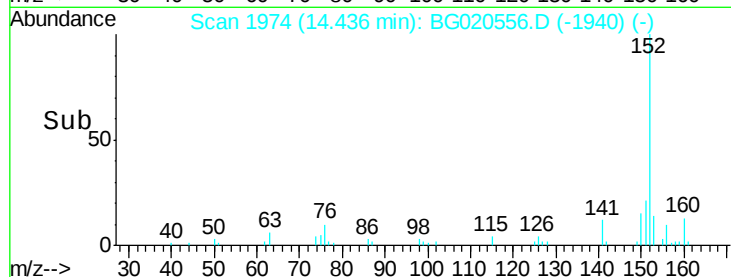
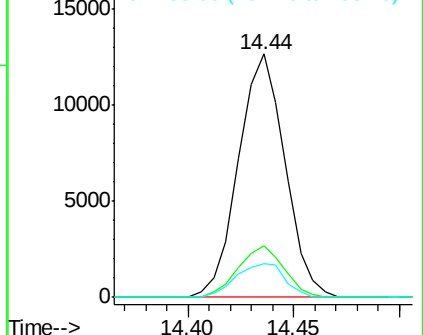
153 14.0 10.4 15.6



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: 42.15 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BG020556.D

Acq: 27 Dec 2015 15:17

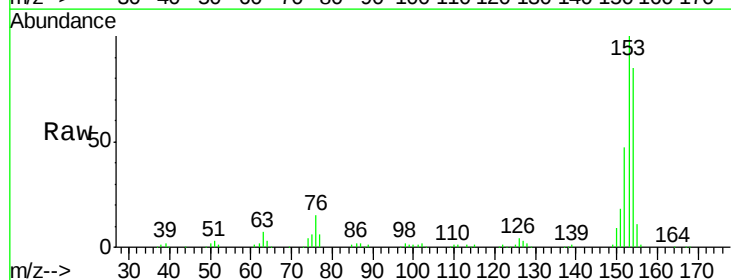
Tgt Ion:153 Resp: 167546

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

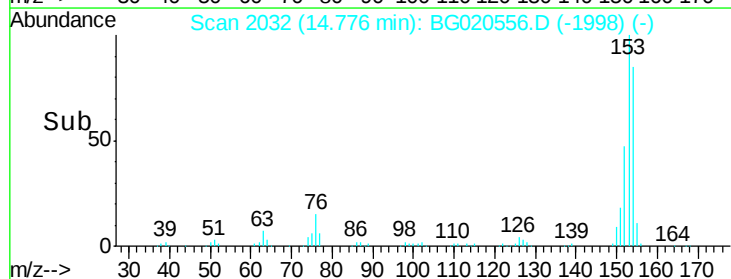
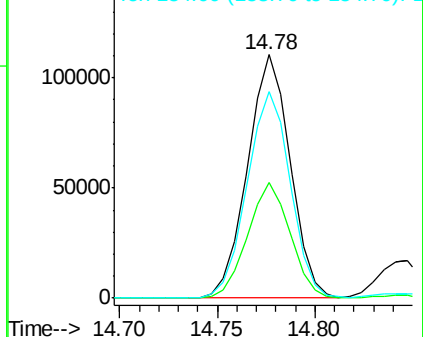
154 84.7 67.9 101.9

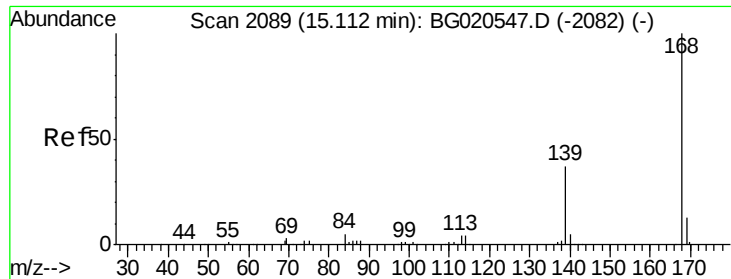


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 23.97 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020556.D

Acq: 27 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

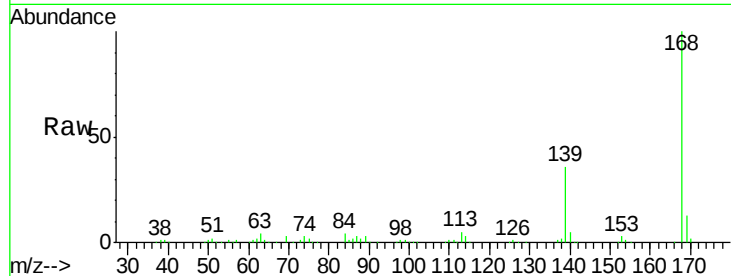
D9N67

Tgt Ion:168 Resp: 141756

Ion Ratio Lower Upper

168 100

139 36.3 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

100000

80000

60000

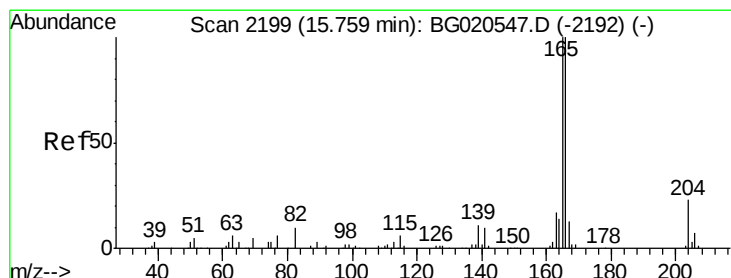
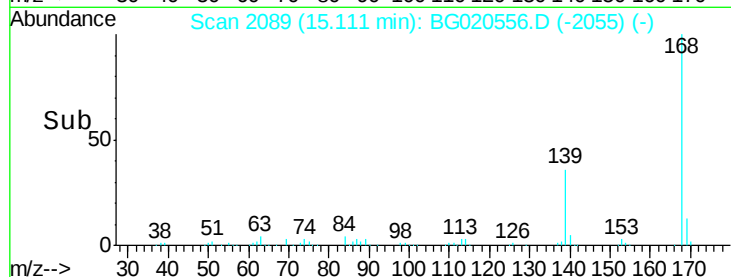
40000

20000

0

15.05 15.10 15.15

Time-->



#59

Fluorene

Concen: 22.73 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020556.D

Acq: 27 Dec 2015 15:17

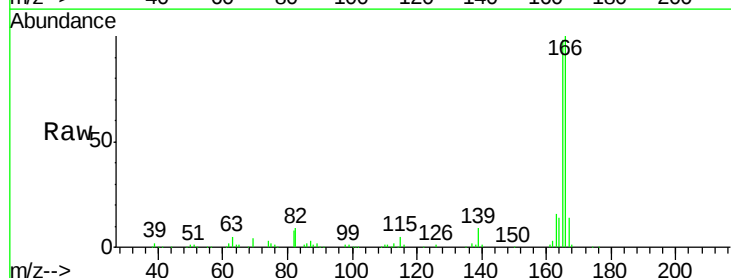
Tgt Ion:166 Resp: 108911

Ion Ratio Lower Upper

166 100

165 98.5 81.4 122.0

167 14.4 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

100000

80000

60000

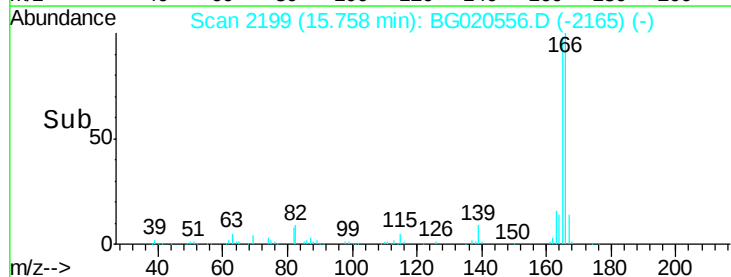
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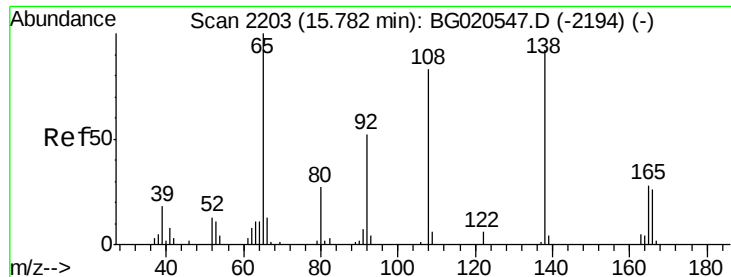
20000

0

15.70 15.75 15.80

Time-->

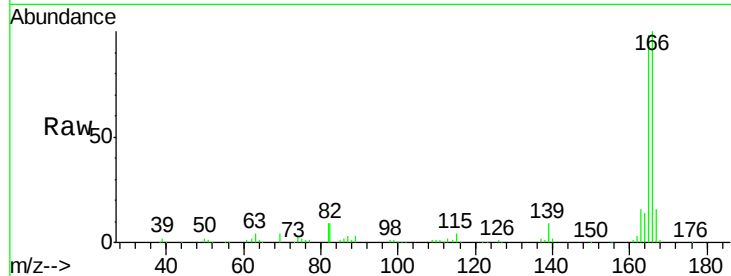




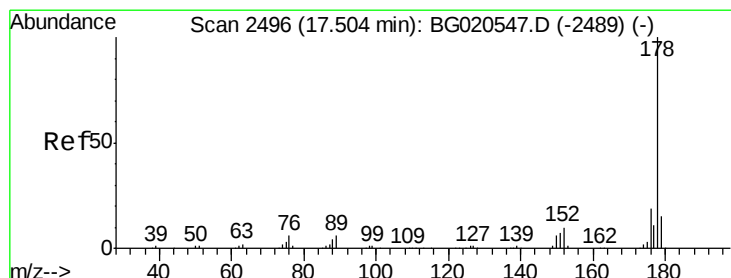
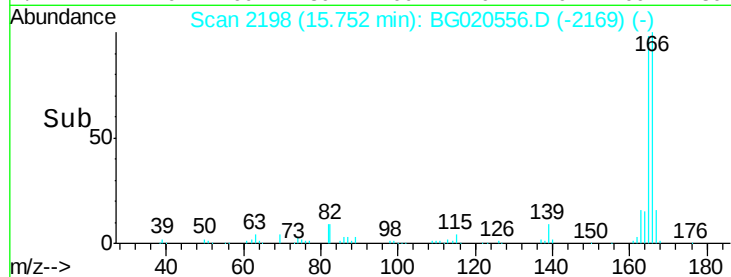
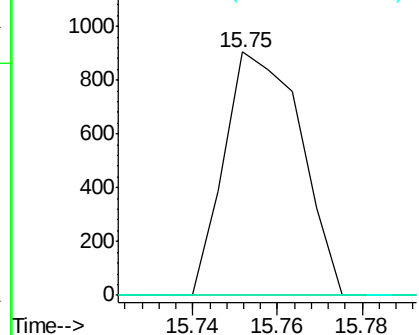
#61
 4-Nitroaniline
 Concen: 1.10 ng/ul
 RT: 15.75 min Scan# 2198
 Delta R.T. -0.03 min
 Lab File: BG020556.D
 Acq: 27 Dec 2015 15:17

Instrument :
 BNA_G
 ClientSampleId :
 D9N67

Tgt Ion:138 Resp: 1134
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 0.0 75.4 113.0#

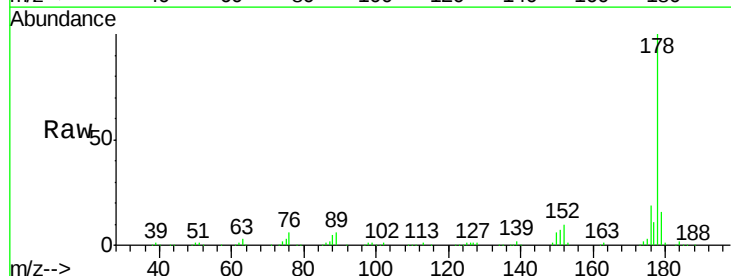


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E

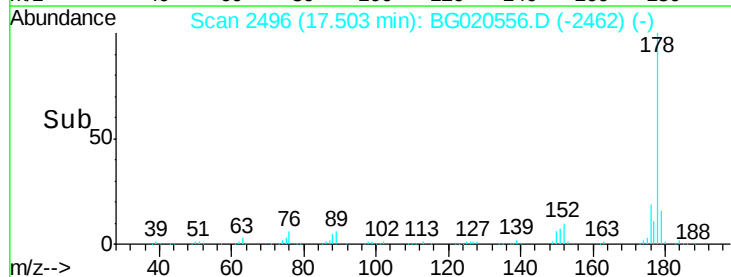
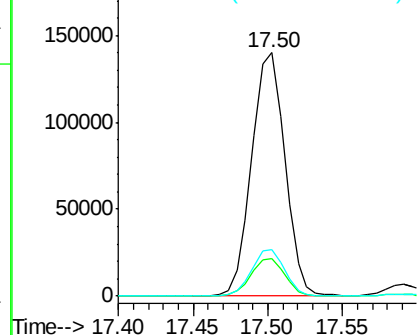


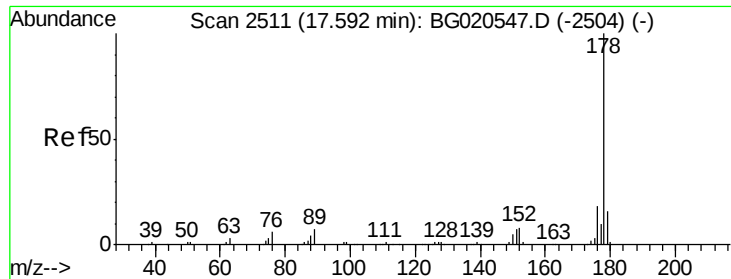
#70
 Phenanthrene
 Concen: 25.79 ng/ul
 RT: 17.50 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: BG020556.D
 Acq: 27 Dec 2015 15:17

Tgt Ion:178 Resp: 215846
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.9 19.3
 176 19.2 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: 1.23 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG020556.D

Acq: 27 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

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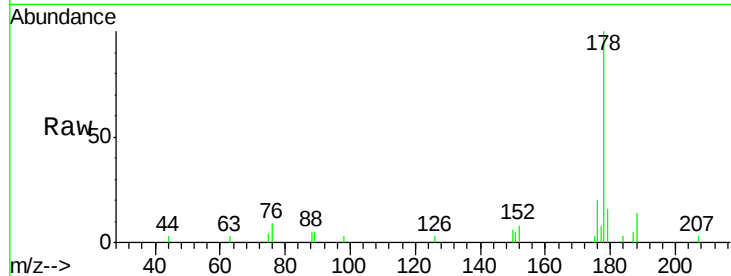
Tgt Ion:178 Resp: 10510

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

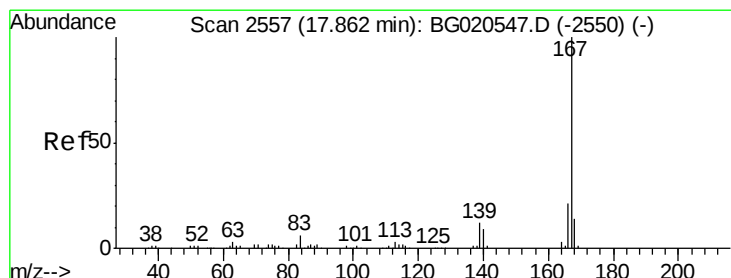
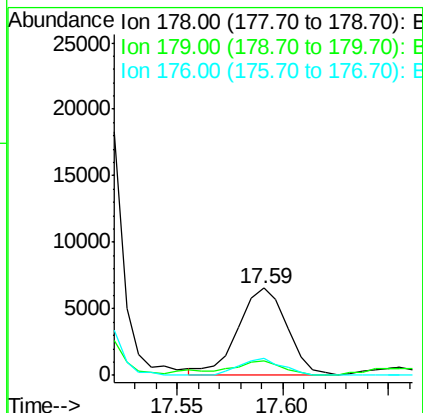
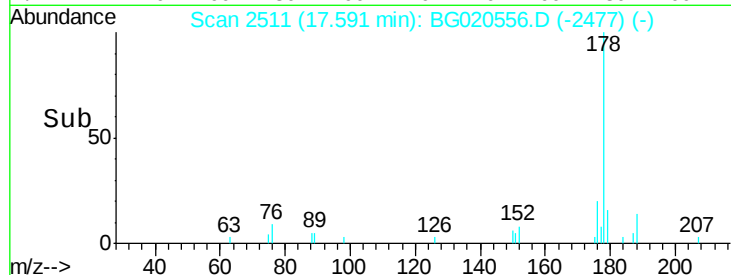
176 19.6 14.3 21.5



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: 9.10 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG020556.D

Acq: 27 Dec 2015 15:17

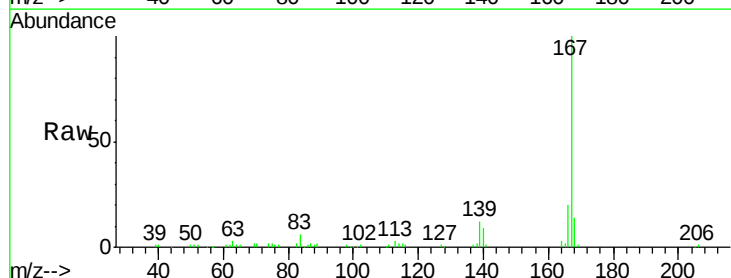
Tgt Ion:167 Resp: 65658

Ion Ratio Lower Upper

167 100

166 20.4 17.0 25.6

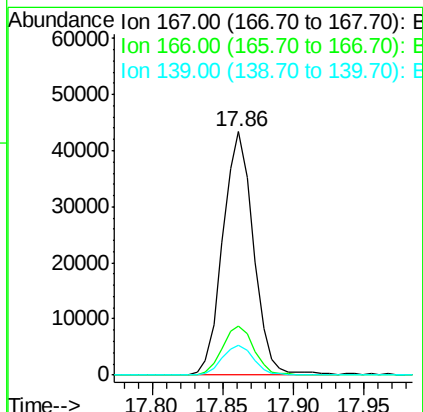
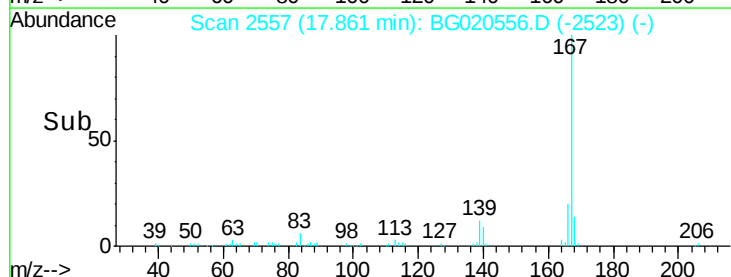
139 12.5 10.1 15.1

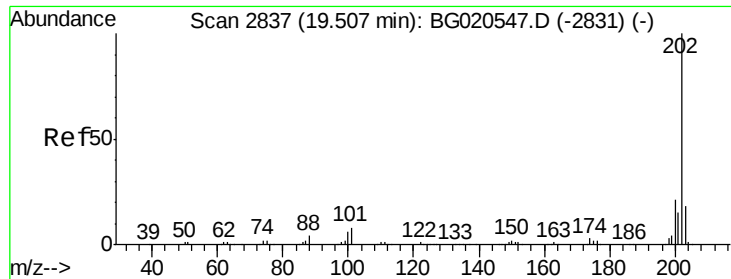


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

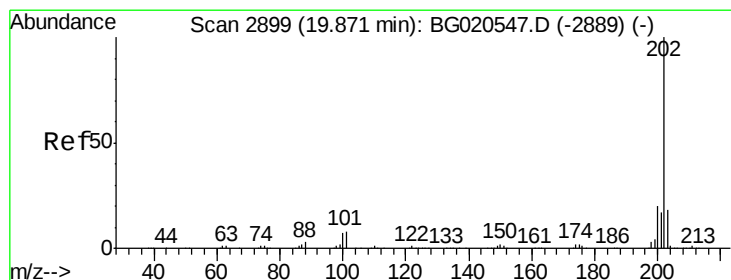
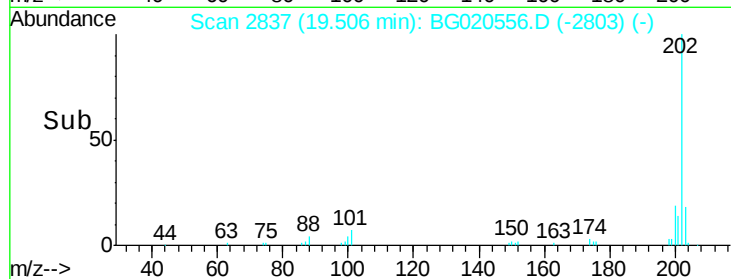
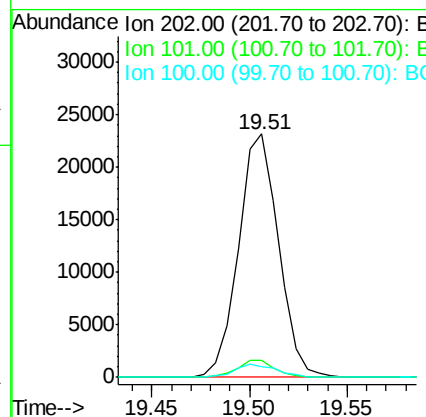
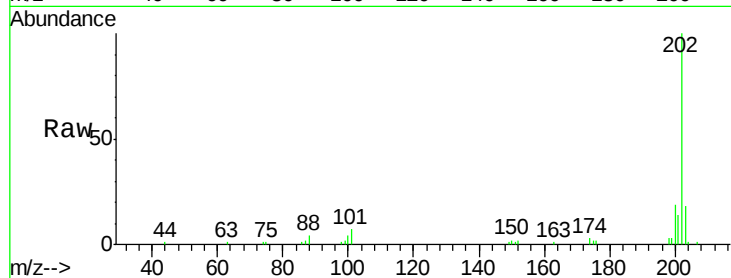




#77
Fluoranthene
 Concen: 3.12 ng/ul
 RT: 19.51 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: BG020556.D
 Acq: 27 Dec 2015 15:17

Instrument :
 BNA_G
 ClientSampleId :
 D9N67

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.4
100	4.4	5.1	7.7



#80
Pyrene
 Concen: 1.75 ng/ul
 RT: 19.86 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: BG020556.D
 Acq: 27 Dec 2015 15:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.0	10.4
100	6.2	6.4	9.6

