

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020548.D
 Acq On : 27 Dec 2015 10:02
 Operator : UM/SJ
 Sample : G4846-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N58

Quant Time: Dec 28 02:41:00 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	18991	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	80739	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	57547	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	153441	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	187397	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	167691	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	418	1.21	ng/uL	0.00
5) Phenol-d5	7.23	99	12169	7.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	29464	32.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	32576	27.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	23387	18.24	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	21654	34.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	25378	35.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	42577	30.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	107	0.07	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	155874	32.86	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	182281	33.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5104	6.45	ng/ul	0.00
58) Fluorene-d10	15.70	176	145480	33.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24513	24.11	ng/ul	0.00
71) Anthracene-d10	17.56	188	240246	33.43	ng/ul	0.00
79) Pyrene-d10	19.84	212	286426	35.30	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	306556	36.16	ng/ul	0.00

Target Compounds

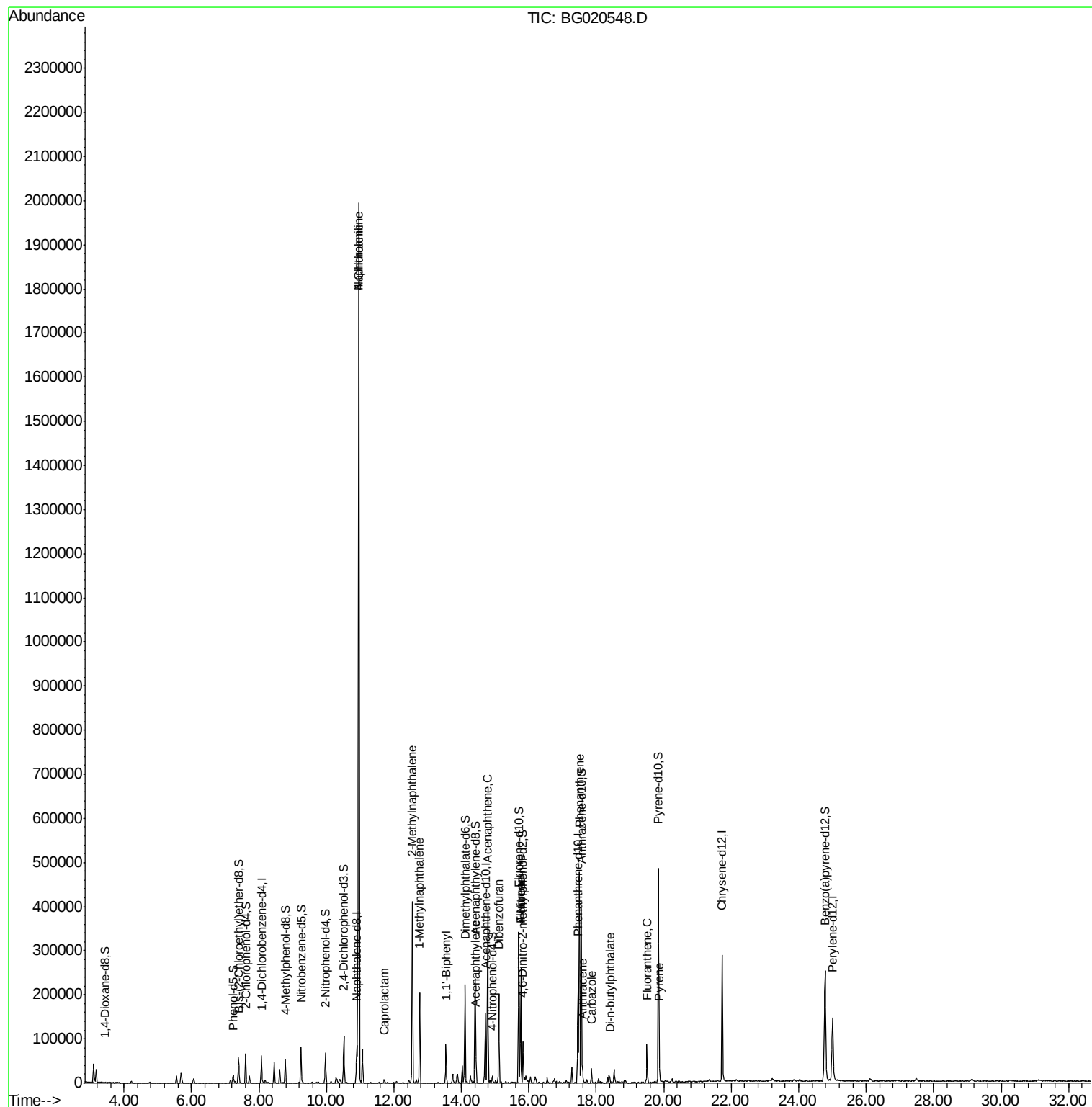
						Qvalue
28) Naphthalene	10.96	128	1766583	411.60	ng/ul#	92
30) 4-Chloroaniline	10.96	127	269294	167.89	ng/ul#	9
32) Caprolactam	11.71	113	664	1.45	ng/ul#	1
34) 2-Methylnaphthalene	12.55	142	199600	62.85	ng/ul	98
35) 1-Methylnaphthalene	12.76	142	99328	32.93	ng/ul	96
41) 1,1'-Biphenyl	13.55	154	49178	11.07	ng/ul	96
48) Acenaphthylene	14.43	152	31829	5.51	ng/ul	99
50) Acenaphthene	14.78	153	176627	45.23	ng/ul	99
54) Dibenzofuran	15.11	168	137203	23.61	ng/ul	100
59) Fluorene	15.76	166	122339	25.98	ng/ul	100
61) 4-Nitroaniline	15.75	138	1558	1.53	ng/ul#	10
70) Phenanthrene	17.50	178	317201	37.15	ng/ul	99
72) Anthracene	17.59	178	26101	2.99	ng/ul	98
75) Carbazole	17.86	167	24049	3.27	ng/ul#	96
76) Di-n-butylphthalate	18.40	149	11202	1.28	ng/ul#	97
77) Fluoranthene	19.50	202	60340	5.62	ng/ul	99
80) Pyrene	19.87	202	37899	3.58	ng/ul	99

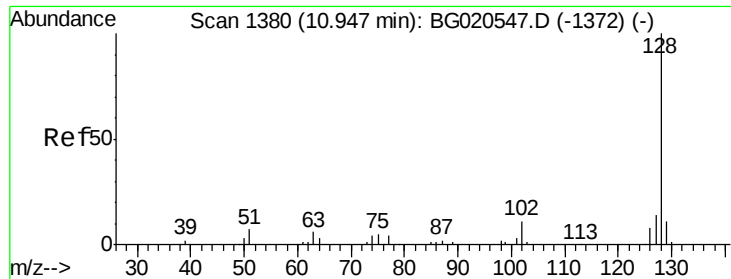
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020548.D
Acq On : 27 Dec 2015 10:02
Operator : UM/SJ
Sample : G4846-12
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N58

Quant Time: Dec 28 02:41:00 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





#28

Naphthalene

Concen: 411.60 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. 0.01 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

Instrument :

BNA_G

ClientSampled :

D9N58

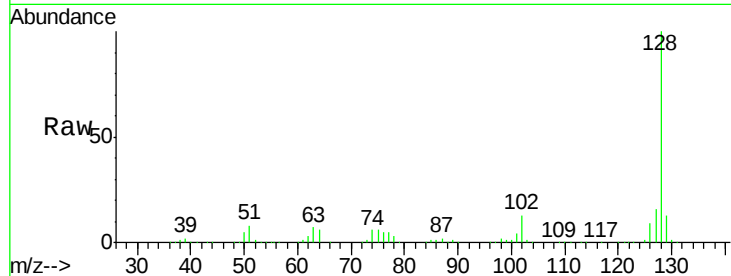
Tgt Ion:128 Resp: 1766583

Ion Ratio Lower Upper

128 100

129 13.4 8.6 12.8#

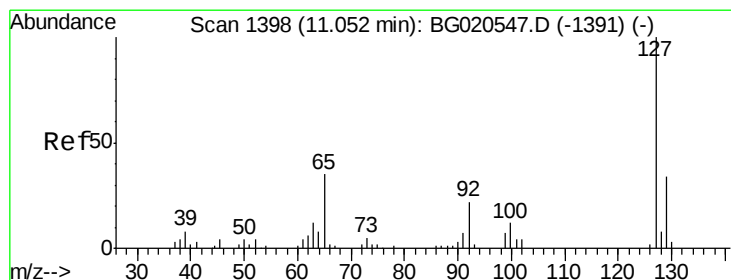
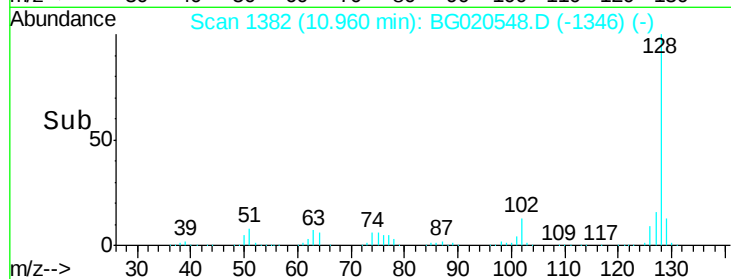
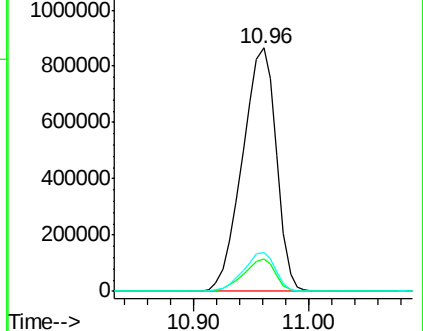
127 16.2 10.1 15.1#



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: 167.89 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. -0.09 min

Lab File: BG020548.D

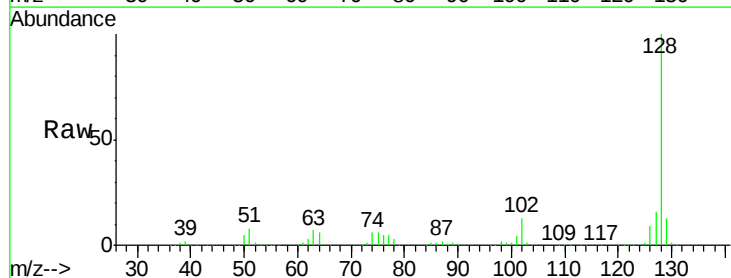
Acq: 27 Dec 2015 10:02

Tgt Ion:127 Resp: 269294

Ion Ratio Lower Upper

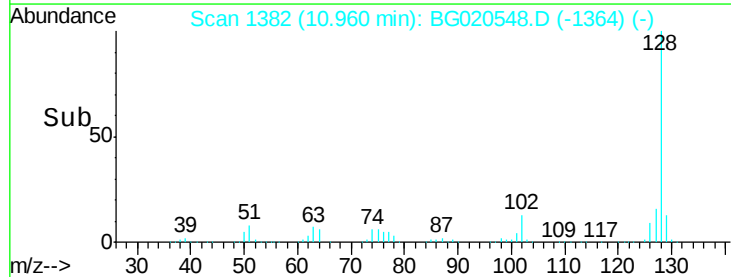
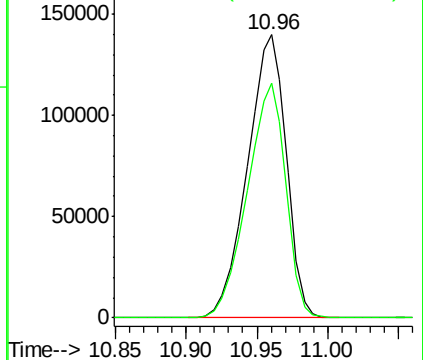
127 100

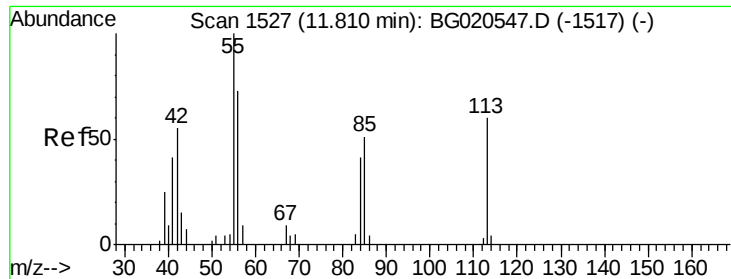
129 83.1 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 1.45 ng/ul

RT: 11.71 min Scan# 1510

Delta R.T. -0.10 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

Instrument :

BNA_G

ClientSampleId :

D9N58

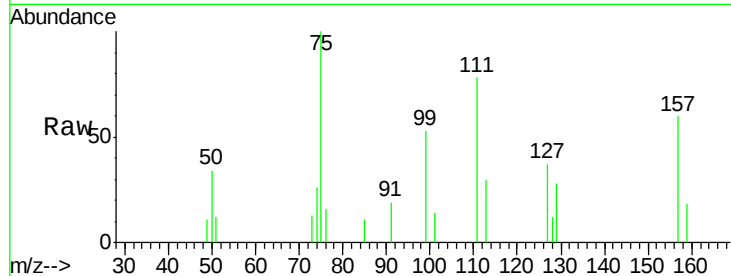
Tgt Ion:113 Resp: 664

Ion Ratio Lower Upper

113 100

55 0.0 132.1 198.1#

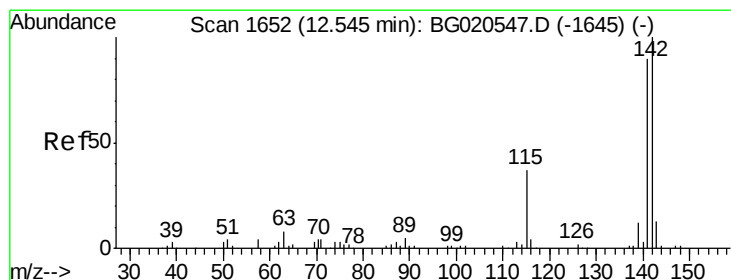
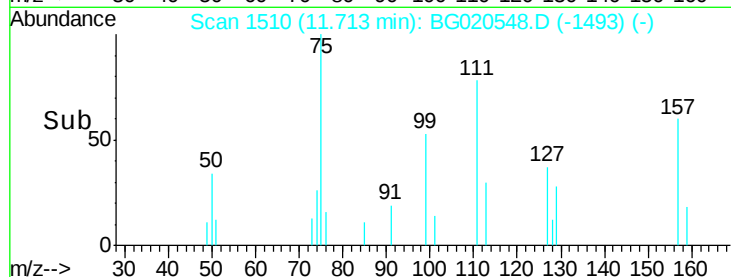
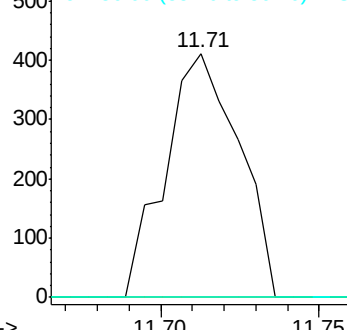
56 0.0 103.3 154.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG020547.D (-1517) (-)

Ion 56.00 (55.70 to 56.70): BG020547.D (-1517) (-)



#34

2-Methylnaphthalene

Concen: 62.85 ng/ul

RT: 12.55 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BG020548.D

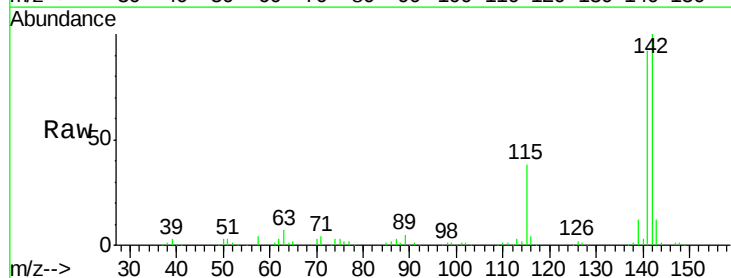
Acq: 27 Dec 2015 10:02

Tgt Ion:142 Resp: 199600

Ion Ratio Lower Upper

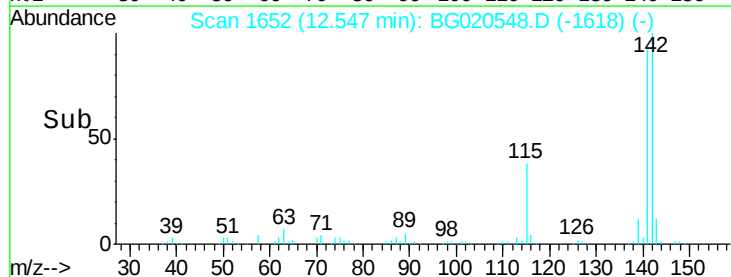
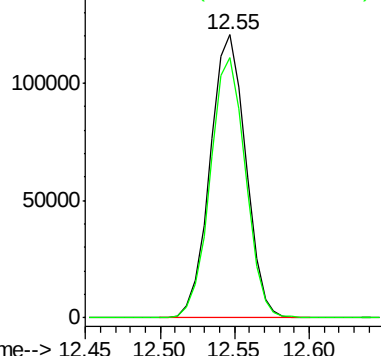
142 100

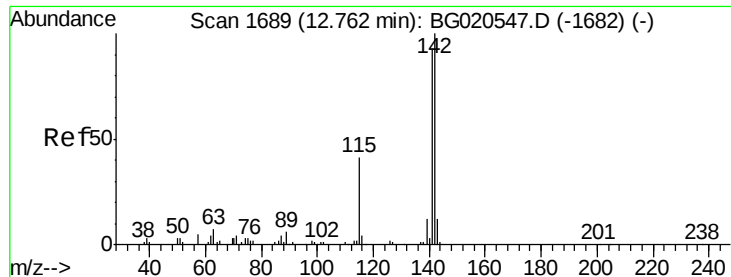
141 92.1 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): BG020547.D (-1645) (-)

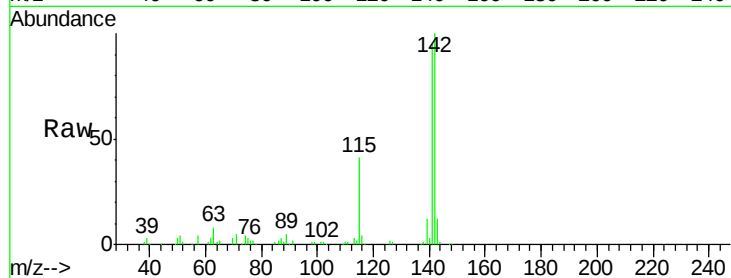




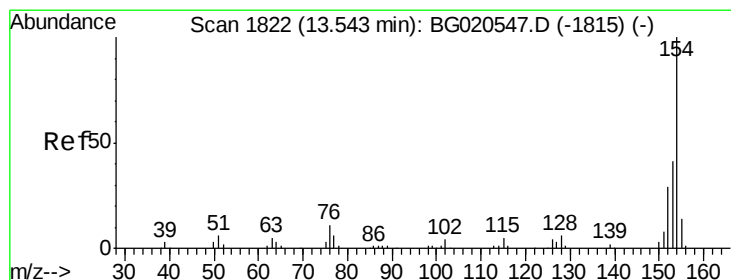
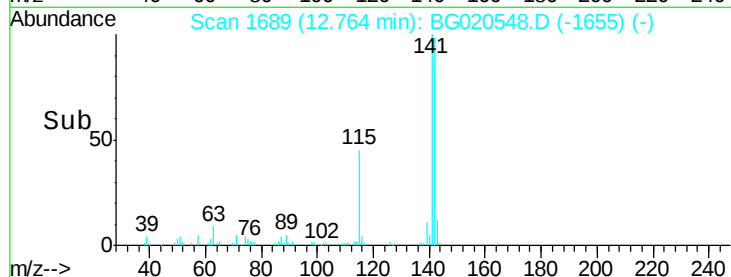
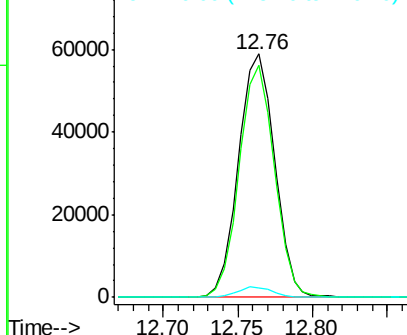
#35
 1-Methylnaphthalene
 Concen: 32.93 ng/ul
 RT: 12.76 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BG020548.D
 Acq: 27 Dec 2015 10:02

Instrument :
 BNA_G
 ClientSampleId :
 D9N58

Tgt Ion:142 Resp: 99328
 Ion Ratio Lower Upper
 142 100
 141 95.3 73.0 109.6
 116 4.0 3.0 4.6

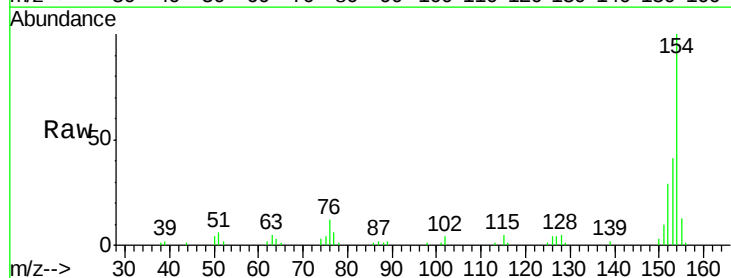


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

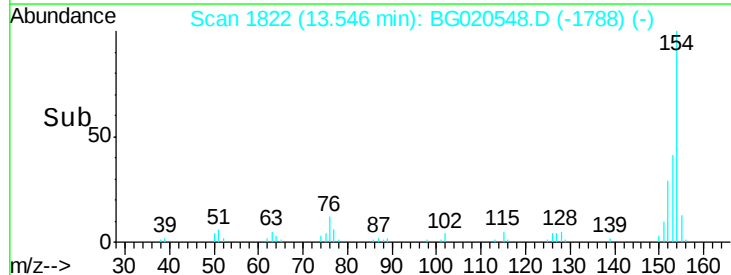
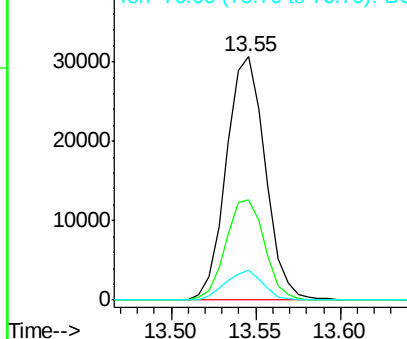


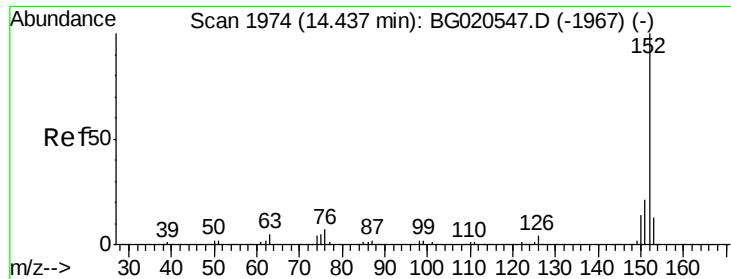
#41
 1,1'-Biphenyl
 Concen: 11.07 ng/ul
 RT: 13.55 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020548.D
 Acq: 27 Dec 2015 10:02

Tgt Ion:154 Resp: 49178
 Ion Ratio Lower Upper
 154 100
 153 41.3 35.5 53.3
 76 12.3 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): BG





#48

Acenaphthylene

Concen: 5.51 ng/ul

RT: 14.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

Instrument :

BNA_G

ClientSampleId :

D9N58

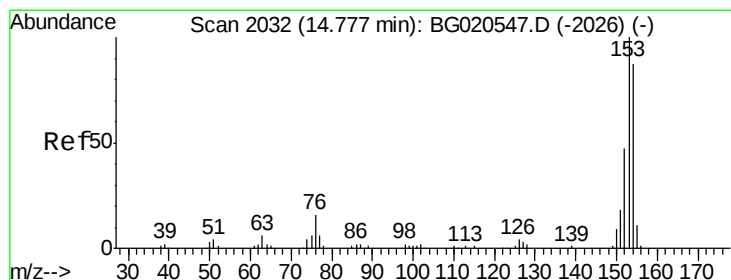
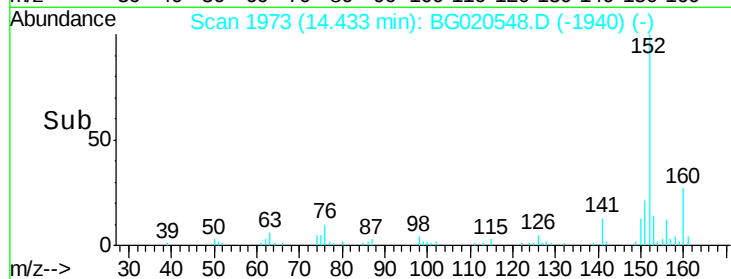
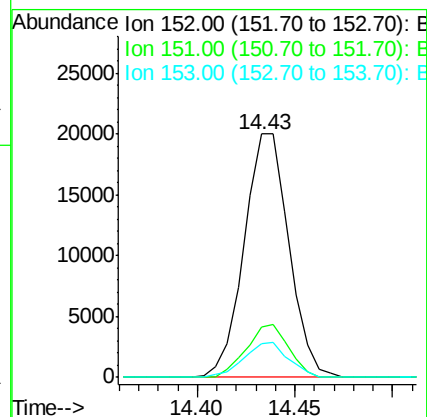
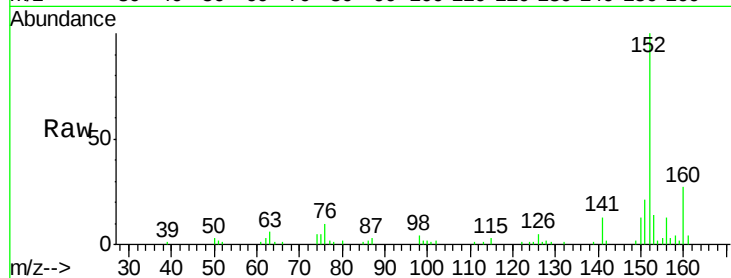
Tgt Ion:152 Resp: 31829

Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

153 13.7 10.4 15.6



#50

Acenaphthene

Concen: 45.23 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

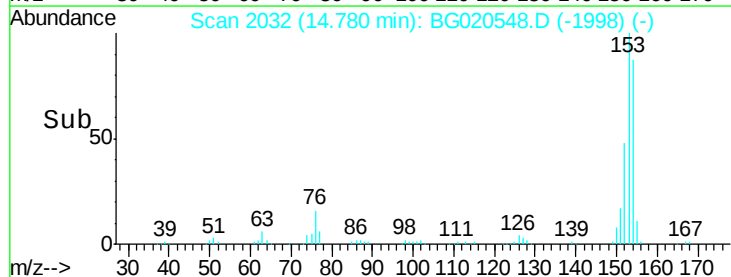
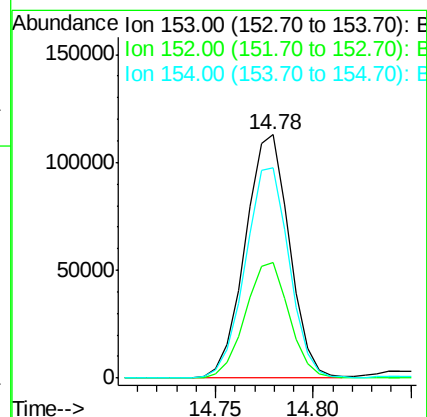
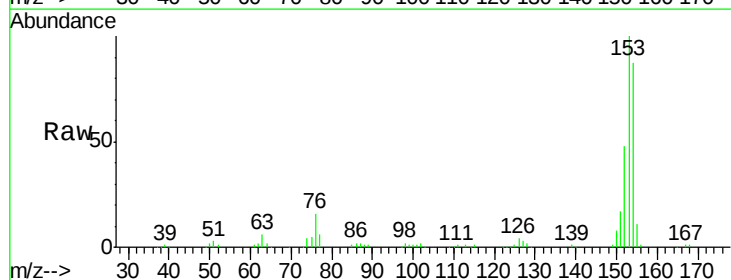
Tgt Ion:153 Resp: 176627

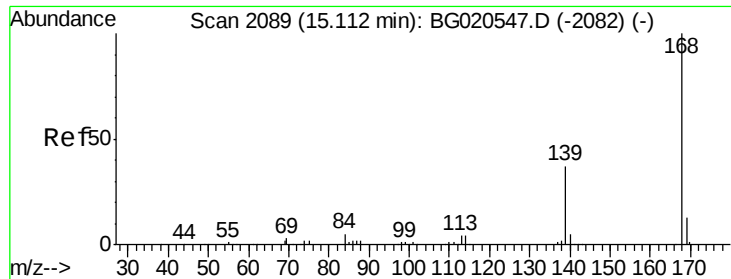
Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

154 86.6 67.9 101.9





#54

Dibenzenofuran

Concen: 23.61 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

Instrument :

BNA_G

ClientSampleId :

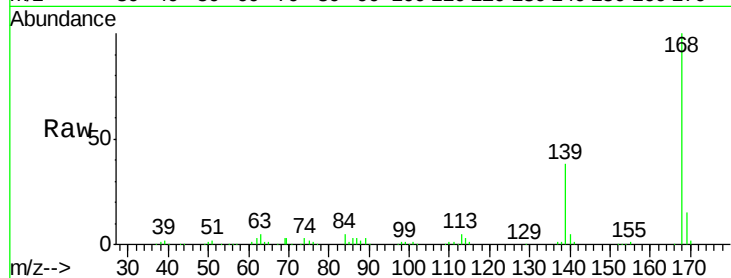
D9N58

Tgt Ion:168 Resp: 137203

Ion Ratio Lower Upper

168 100

139 38.0 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

100000

80000

60000

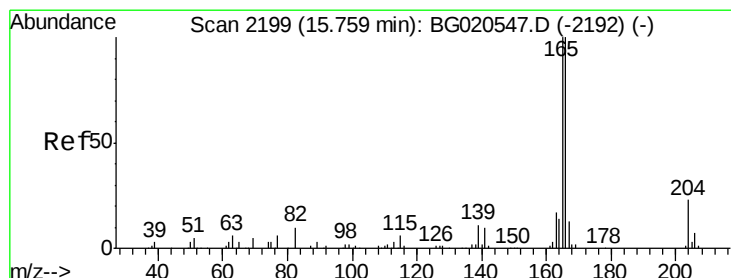
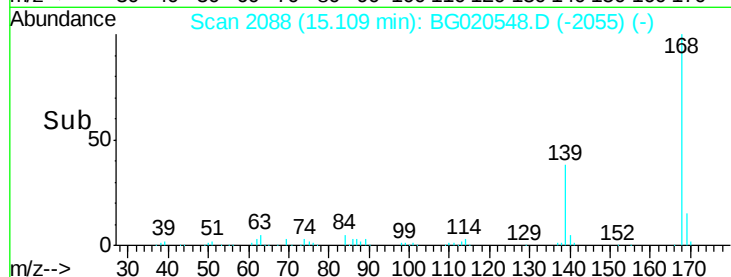
40000

20000

0

15.10 15.20

Time-->



#59

Fluorene

Concen: 25.98 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

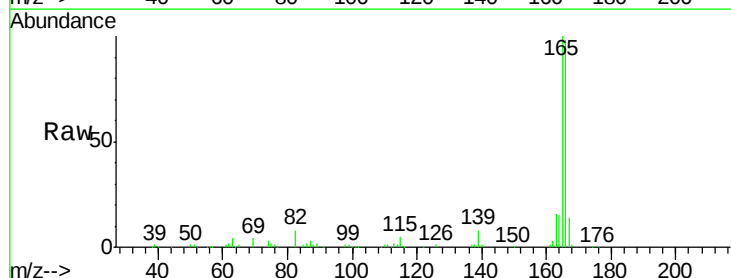
Tgt Ion:166 Resp: 122339

Ion Ratio Lower Upper

166 100

165 101.5 81.4 122.0

167 14.2 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

15.76

100000

80000

60000

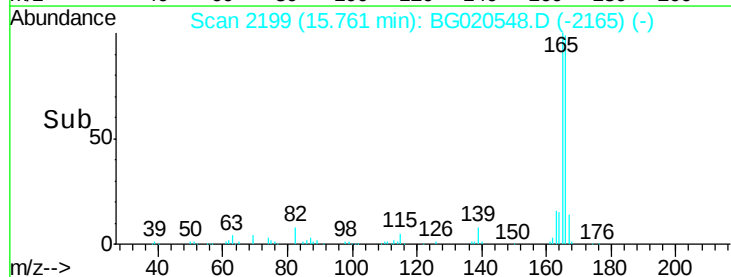
40000

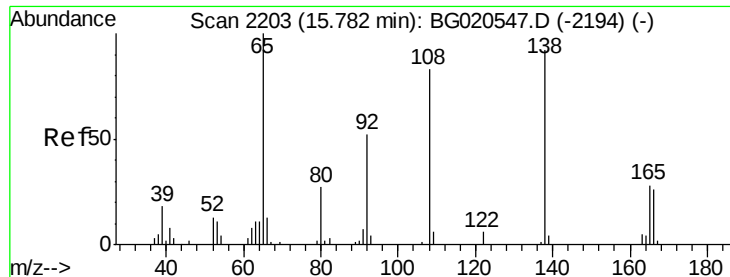
20000

0

15.70 15.75 15.80

Time-->

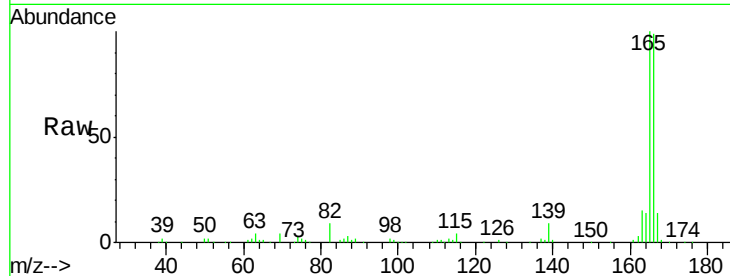




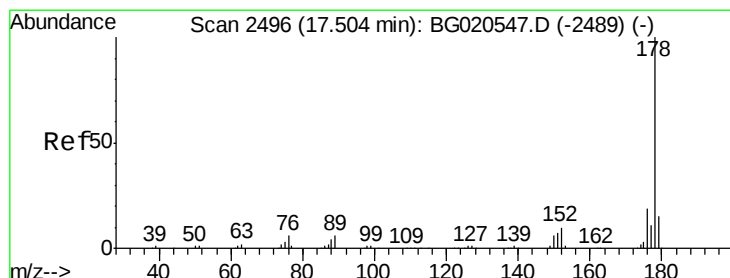
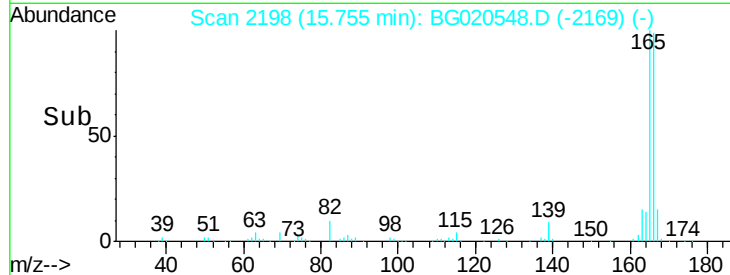
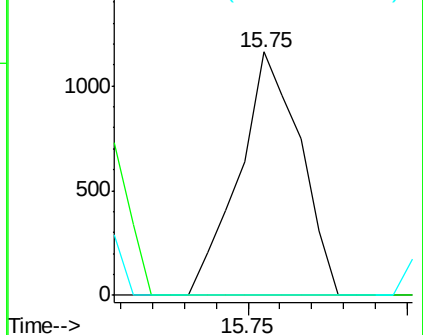
#61
 4-Nitroaniline
 Concen: 1.53 ng/ul
 RT: 15.75 min Scan# 2198
 Delta R.T. -0.03 min
 Lab File: BG020548.D
 Acq: 27 Dec 2015 10:02

Instrument :
 BNA_G
 ClientSampleId :
 D9N58

Tgt Ion:138 Resp: 1558
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 0.0 75.4 113.0#

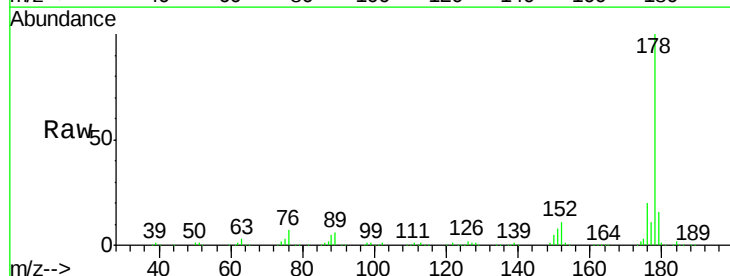


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 108.00 (107.70 to 108.70): E

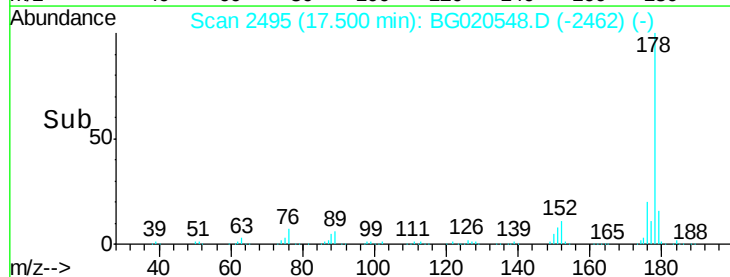
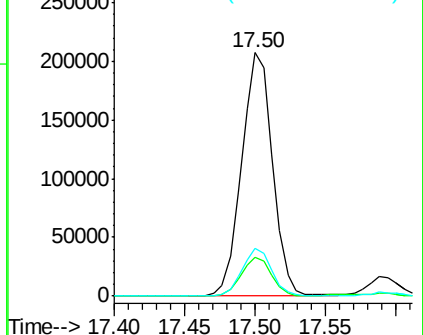


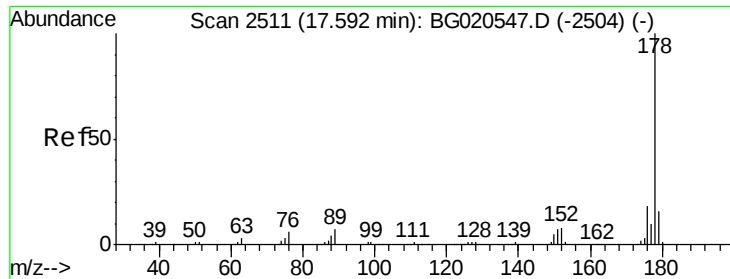
#70
 Phenanthrene
 Concen: 37.15 ng/ul
 RT: 17.50 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: BG020548.D
 Acq: 27 Dec 2015 10:02

Tgt Ion:178 Resp: 317201
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.9 19.3
 176 19.5 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: 2.99 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

Instrument :

BNA_G

ClientSampleId :

D9N58

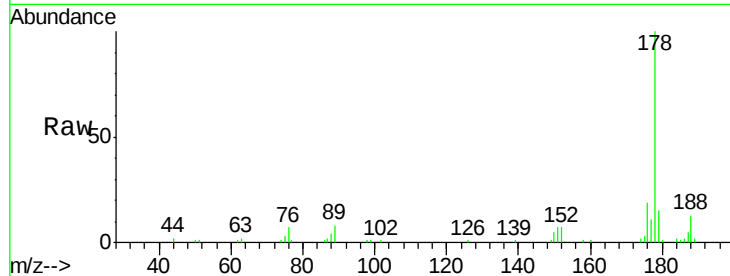
Tgt Ion:178 Resp: 26101

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

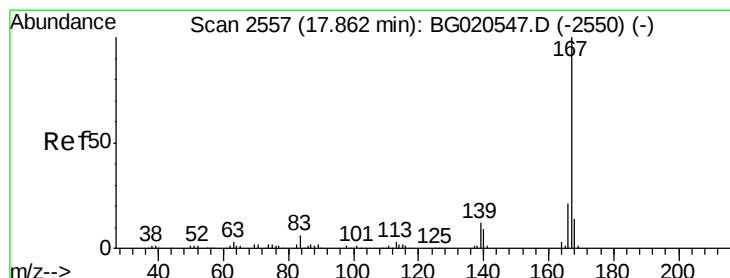
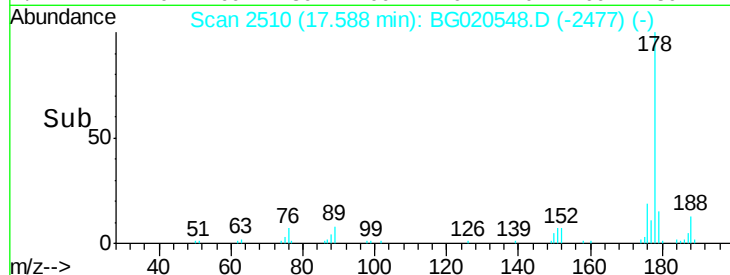
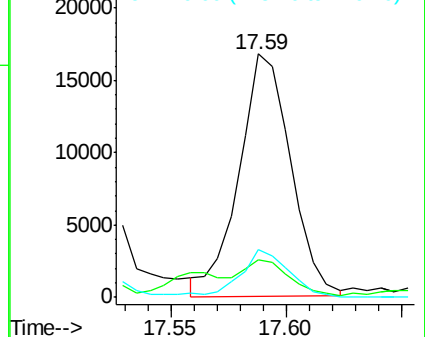
176 19.5 14.3 21.5



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: 3.27 ng/ul

RT: 17.86 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BG020548.D

Acq: 27 Dec 2015 10:02

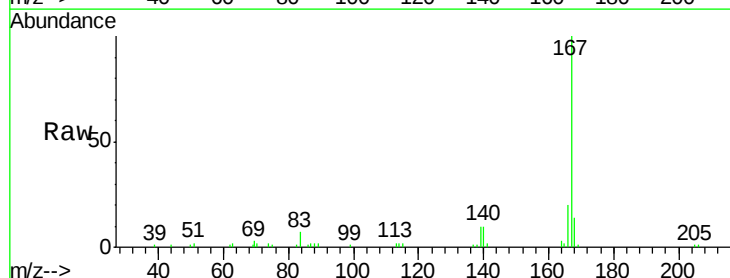
Tgt Ion:167 Resp: 24049

Ion Ratio Lower Upper

167 100

166 19.9 17.0 25.6

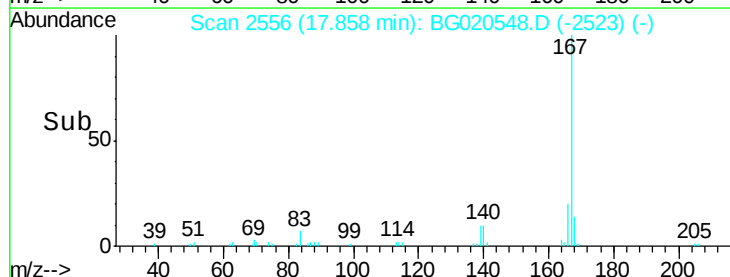
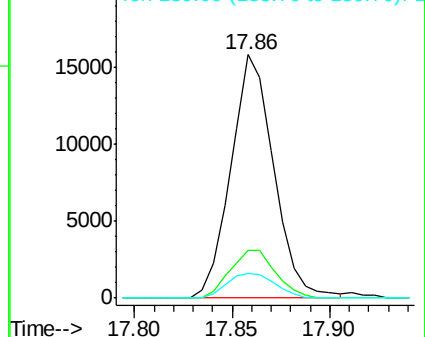
139 10.0 10.1 15.1#

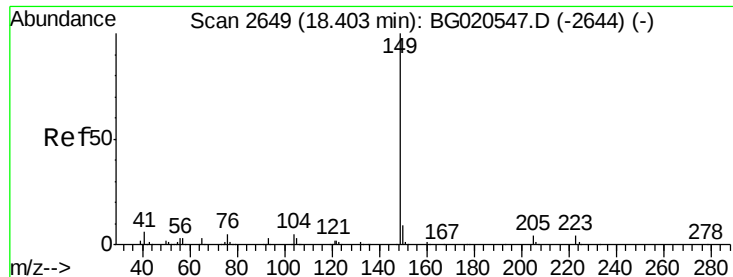


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

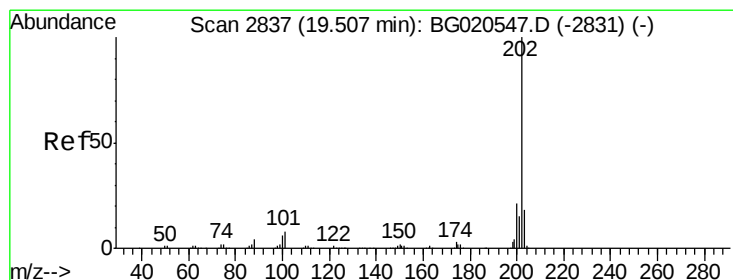
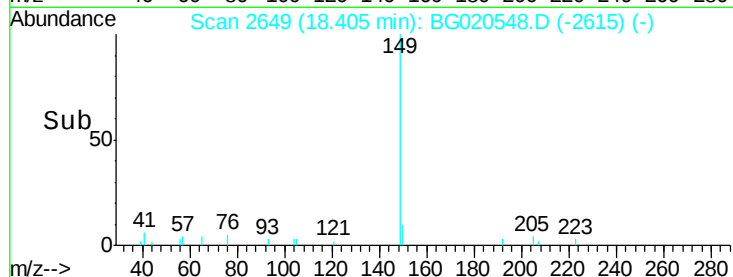
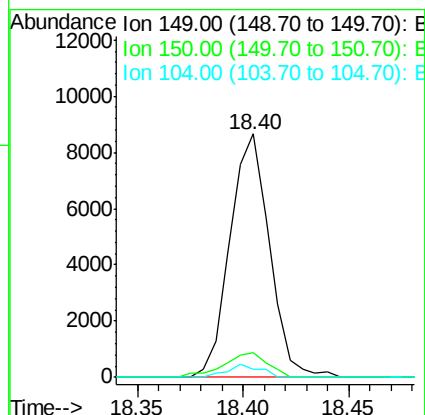
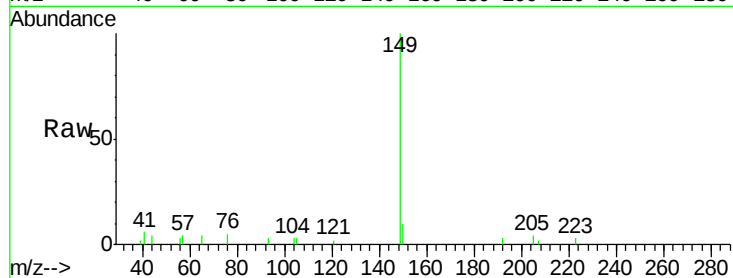




#76
Di-n-butylphthalate
Concen: 1.28 ng/ul
RT: 18.40 min Scan# 2649
Delta R.T. 0.00 min
Lab File: BG020548.D
Acq: 27 Dec 2015 10:02

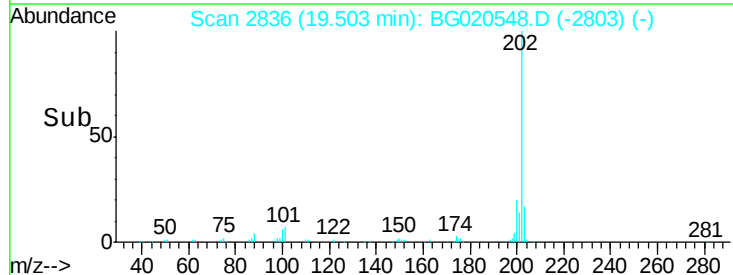
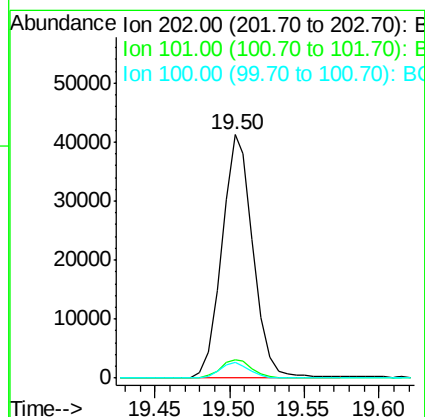
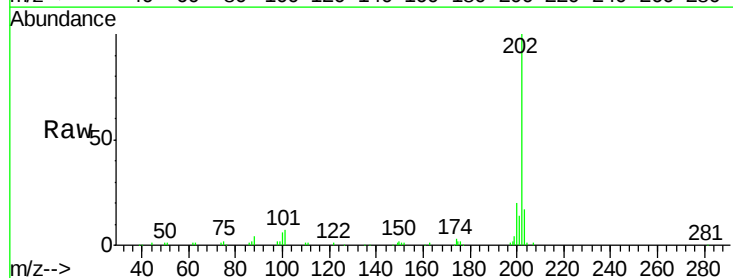
Instrument :
BNA_G
ClientSampleId :
D9N58

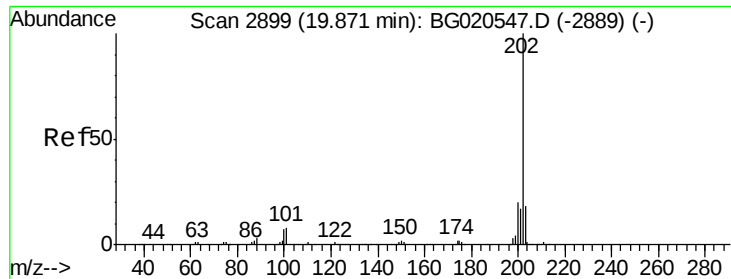
Tgt Ion:149 Resp: 11202
Ion Ratio Lower Upper
149 100
150 10.1 7.7 11.5
104 3.2 4.2 6.4#



#77
Fluoranthene
Concen: 5.62 ng/ul
RT: 19.50 min Scan# 2836
Delta R.T. -0.00 min
Lab File: BG020548.D
Acq: 27 Dec 2015 10:02

Tgt Ion:202 Resp: 60340
Ion Ratio Lower Upper
202 100
101 7.4 6.2 9.4
100 6.5 5.1 7.7

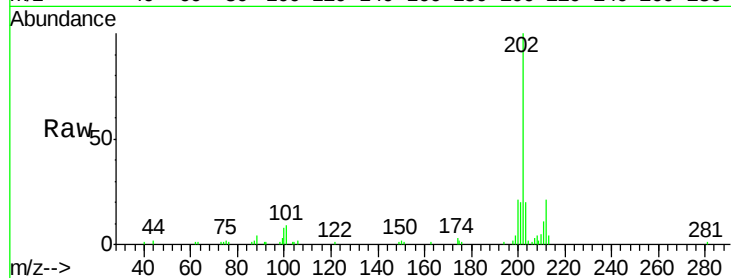




#80
 Pyrene
 Concen: 3.58 ng/ul
 RT: 19.87 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: BG020548.D
 Acq: 27 Dec 2015 10:02

Instrument :
 BNA_G
 ClientSampleId :
 D9N58

Tgt Ion:	202	Resp:	37899
Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.0	10.4
100	8.3	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

