

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
 Data File : BG020534.D
 Acq On : 26 Dec 2015 10:55
 Operator : UM/SJ
 Sample : G4802-13
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D88

Quant Time: Dec 28 01:20:26 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	8.08	152	25323	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	98930	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.72	164	86176	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.48	188	141807	20.00	ng/ul	0.03
78) Chrysene-d12	21.76	240	187947	20.00	ng/ul	0.03
86) Perylene-d12	25.03	264	182091	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1530	3.33	ng/uL	0.01
5) Phenol-d5	7.24	99	37401	18.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	32617	27.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	32654	20.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	14761	8.63	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	26071	33.62	ng/ul	0.01
22) 2-Nitrophenol-d4	9.98	143	20581	23.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.53	165	31193	18.28	ng/ul	0.02
29) 4-Chloroaniline-d4	11.03	131	23137	11.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	139684	19.67	ng/ul	0.02
47) Acenaphthylene-d8	14.43	160	180154	21.89	ng/ul	0.03
52) 4-Nitrophenol-d4	14.94	143	12961	10.95	ng/ul	0.02
58) Fluorene-d10	15.73	176	137122	21.35	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	15.85	200	439	0.47	ng/ul	0.03
71) Anthracene-d10	17.60	188	194987	29.36	ng/ul	0.05
79) Pyrene-d10	19.86	212	247904	30.47	ng/ul	0.03
90) Benzo(a)pyrene-d12	24.81	264	281740	30.61	ng/ul	0.05

Target Compounds

						Qvalue
4) Benzaldehyde	7.21	77	35819	29.08	ng/ul#	1
6) Phenol	7.27	94	2416	1.14	ng/ul#	74
14) Acetophenone	8.88	105	22873	8.35	ng/ul#	32
17) Hexachloroethane	9.18	117	56698	82.52	ng/ul#	1
20) Nitrobenzene	9.35	77	10943	5.66	ng/ul#	17
25) Bis(2-Chloroethoxy)methane	10.31	93	3588	1.77	ng/ul#	80
28) Naphthalene	11.02	128	7875371	1497.50	ng/ul#	48
30) 4-Chloroaniline	11.03	127	2070771	1053.63	ng/ul#	15
32) Caprolactam	11.84	113	915	1.63	ng/ul#	14
34) 2-Methylnaphthalene	12.62	142	5686207	1461.29	ng/ul	95
35) 1-Methylnaphthalene	12.83	142	4389113	1187.37	ng/ul#	92
41) 1,1'-Biphenyl	13.56	154	933171	140.31	ng/ul	98
45) Dimethylphthalate	14.18	163	48758	6.75	ng/ul#	96
48) Acenaphthylene	14.46	152	478273	55.29	ng/ul#	71
50) Acenaphthene	14.82	153	3071212	525.18	ng/ul#	87
53) 4-Nitrophenol	14.94	109	1269	1.18	ng/ul#	1
54) Dibenzofuran	15.13	168	478249	54.97	ng/ul	91
55) 2,4-Dinitrotoluene	15.08	165	24889	11.34	ng/ul#	39
59) Fluorene	15.80	166	2199756	312.00	ng/ul#	97
61) 4-Nitroaniline	15.80	138	34389	22.58	ng/ul#	19
64) 4,6-Dinitro-2-methylphenol	15.88	198	1695	1.70	ng/ul#	1
65) N-Nitrosodiphenylamine	15.99	169	127652	32.20	ng/ul#	1
70) Phenanthrene	17.57	178	6345215	804.18	ng/ul#	45

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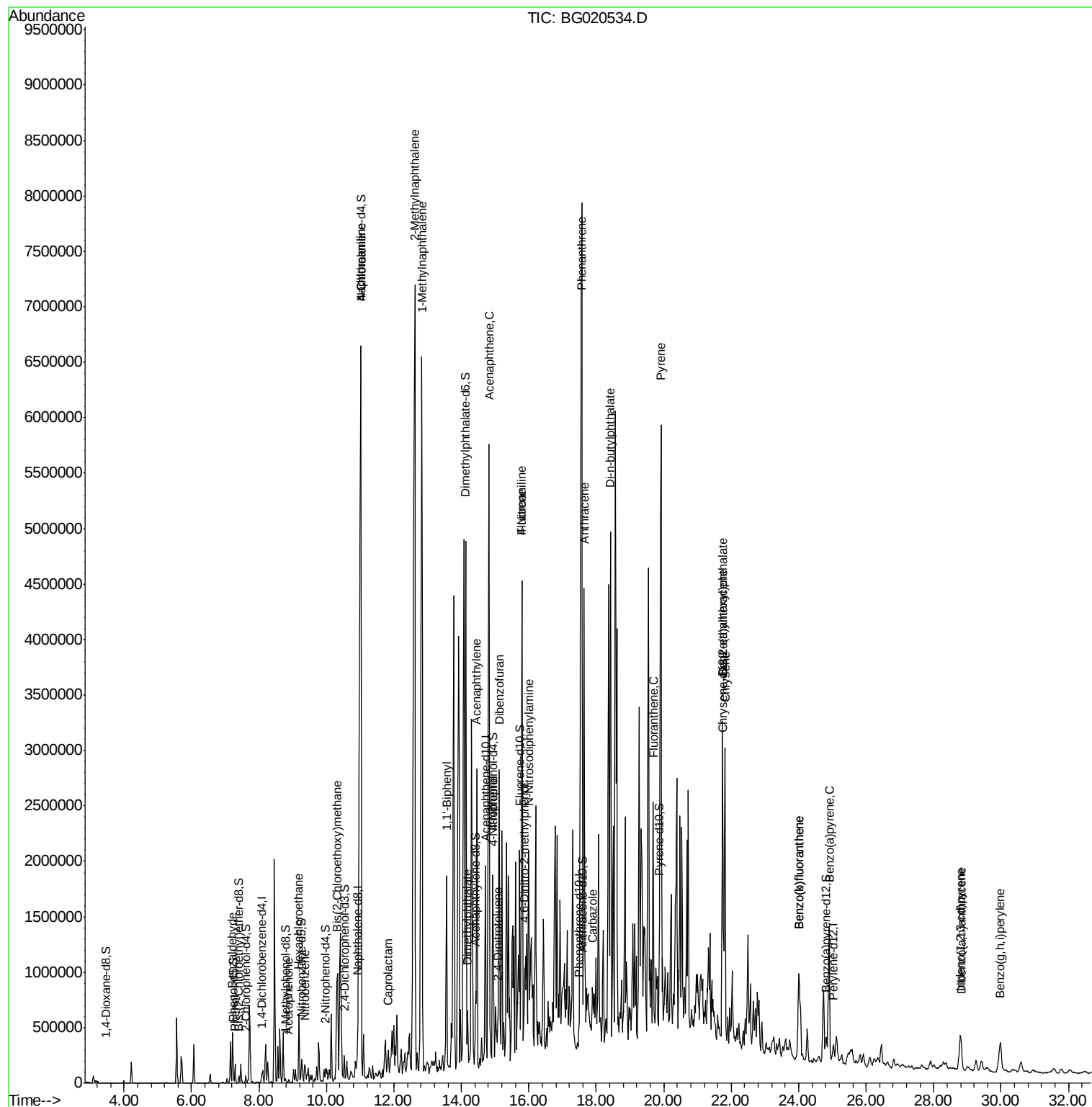
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	17.64	178	2387519	295.91	ng/ul#	72
75) Carbazole	17.88	167	64791	9.53	ng/ul#	69
76) Di-n-butylphthalate	18.42	149	9771	1.21	ng/ul#	1
77) Fluoranthene	19.69	202	1358145	136.88	ng/ul	99
80) Pyrene	19.92	202	3982611	374.71	ng/ul#	66
83) Benzo(a)anthracene	21.74	228	1980666	179.44	ng/ul#	74
84) Bis(2-ethylhexyl)phthalate	21.74	149	8700	1.57	ng/ul	93
85) Chrysene	21.82	228	1879248	178.74	ng/ul#	82
88) Benzo(b)fluoranthene	24.01	252	1157214	105.88	ng/ul	95
89) Benzo(k)fluoranthene	24.01	252	1157214	109.53	ng/ul	97
91) Benzo(a)pyrene	24.91	252	1403364	133.59	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.80	276	530852	42.19	ng/ul	95
93) Dibenzo(a,h)anthracene	28.82	278	192101	18.40	ng/ul#	91
94) Benzo(g,h,i)perylene	29.98	276	600718	58.13	ng/ul	99

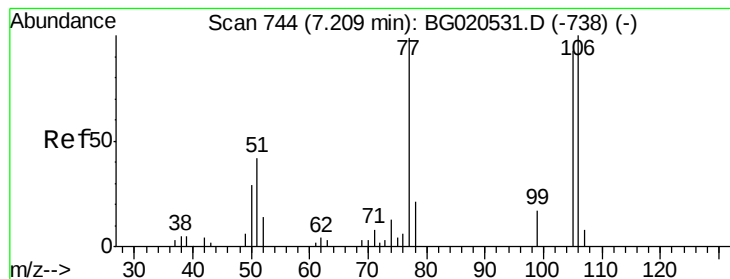
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
G9D88

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#4

Benzaldehyde

Concen: 29.08 ng/ul

RT: 7.21 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

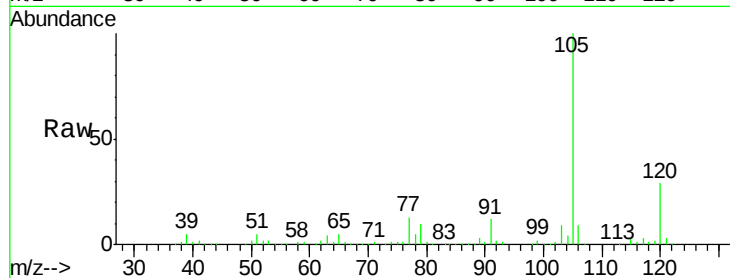
Tgt Ion: 77 Resp: 35819

Ion Ratio Lower Upper

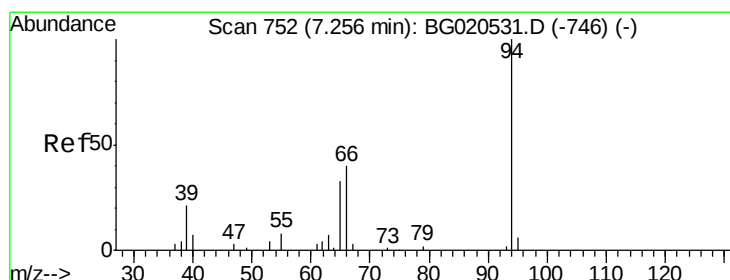
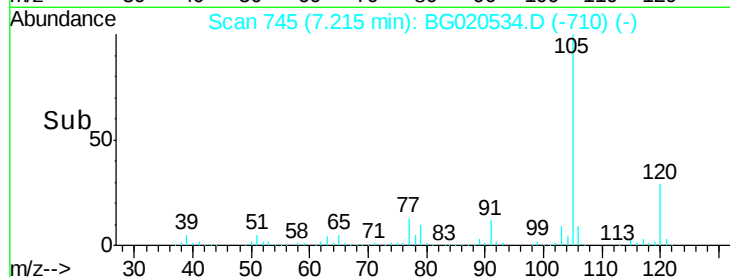
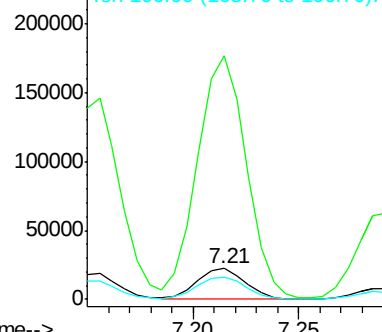
77 100

105 786.3 77.8 116.6#

106 70.4 72.6 109.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 1.14 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. 0.01 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

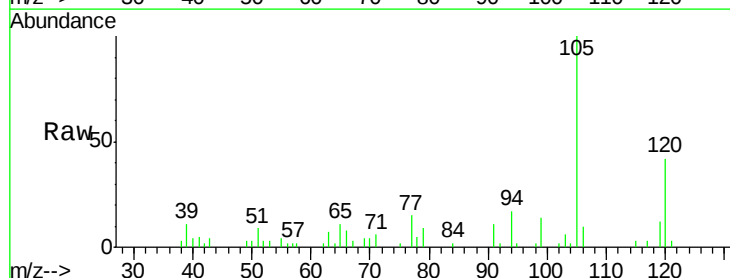
Tgt Ion: 94 Resp: 2416

Ion Ratio Lower Upper

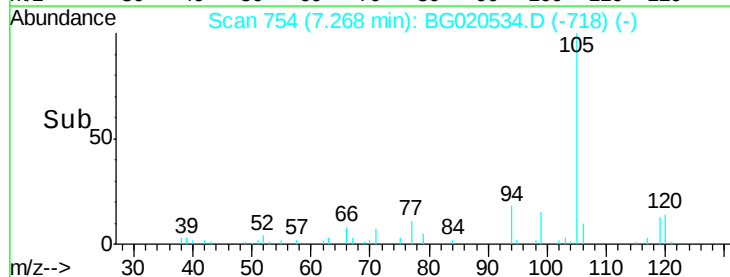
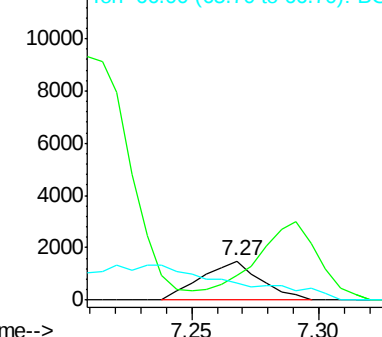
94 100

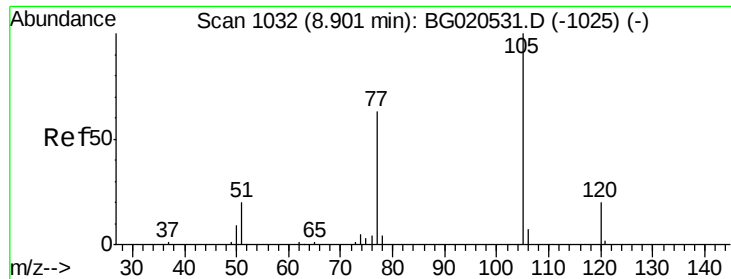
65 62.2 26.3 39.5#

66 45.1 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

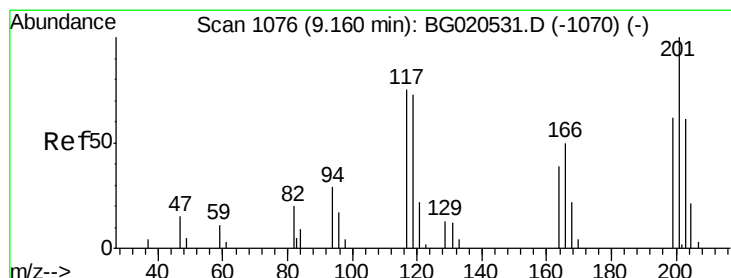
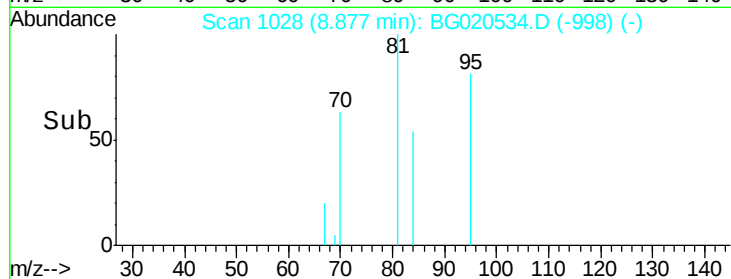
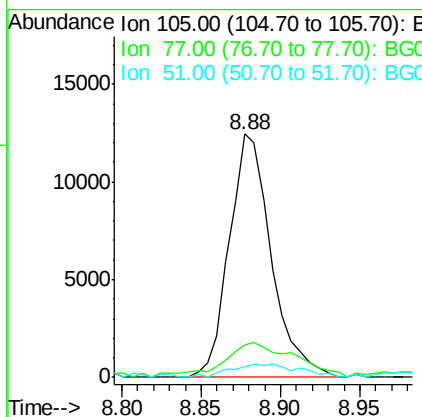
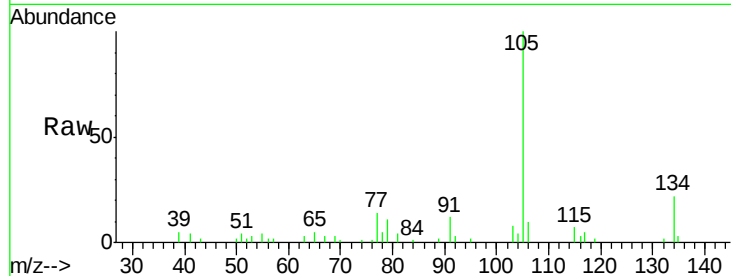




#14
 Acetophenone
 Concen: 8.35 ng/ul
 RT: 8.88 min Scan# 1028
 Delta R.T. -0.02 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

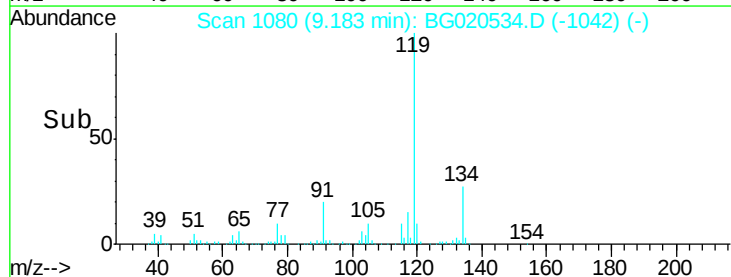
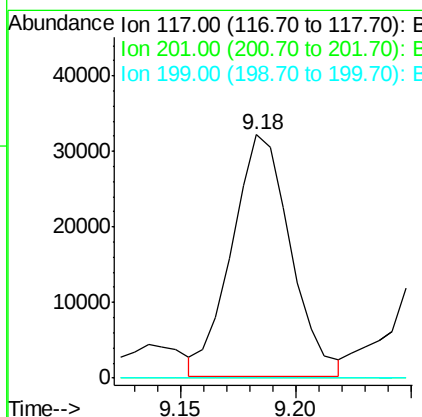
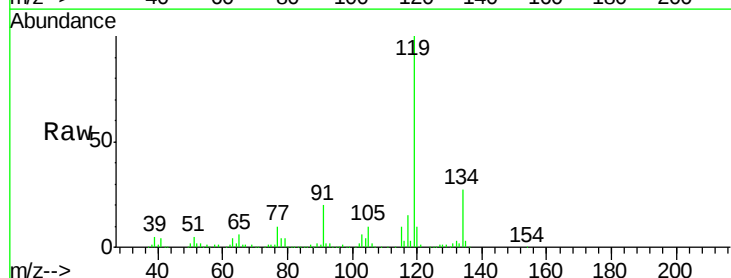
Instrument :
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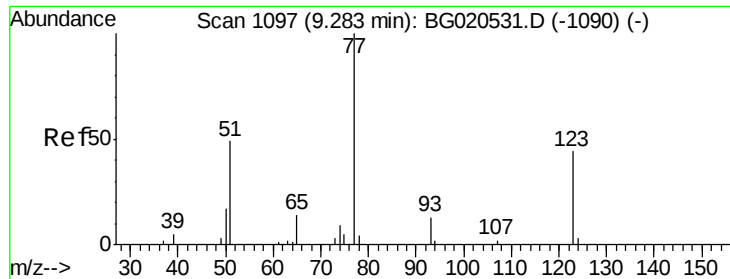
Tgt Ion:105 Resp: 22873
 Ion Ratio Lower Upper
 105 100
 77 13.5 65.2 97.8#
 51 4.3 22.6 33.8#



#17
 Hexachloroethane
 Concen: 82.52 ng/ul
 RT: 9.18 min Scan# 1080
 Delta R.T. 0.02 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Tgt Ion:117 Resp: 56698
 Ion Ratio Lower Upper
 117 100
 201 0.0 102.7 154.1#
 199 0.0 65.8 98.8#

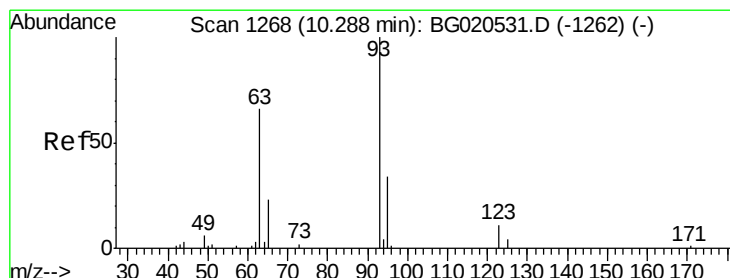
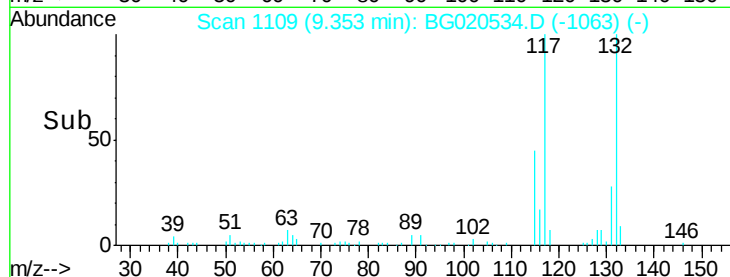
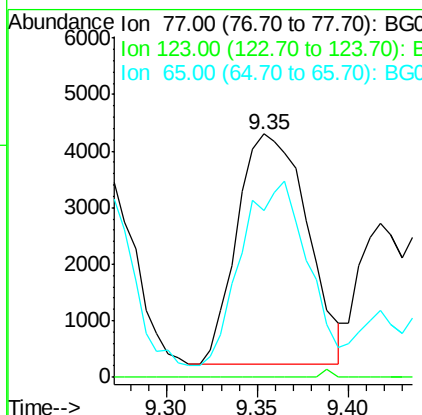
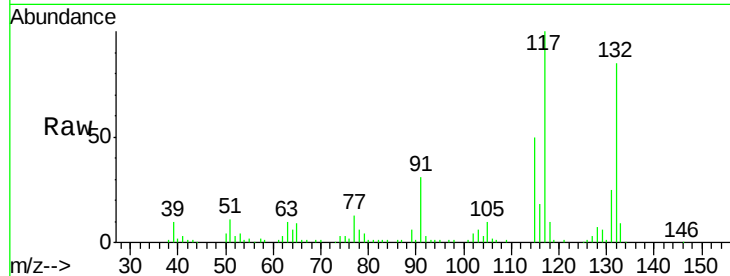




#20
 Nitrobenzene
 Concen: 5.66 ng/ul
 RT: 9.35 min Scan# 1109
 Delta R.T. 0.07 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

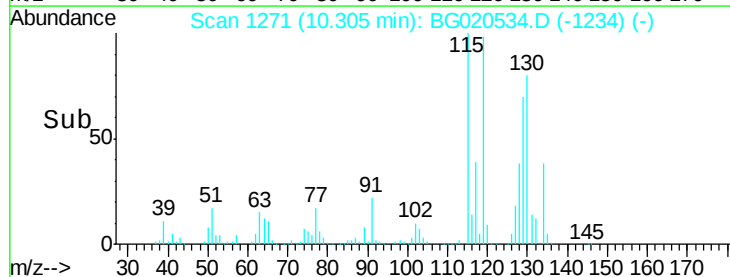
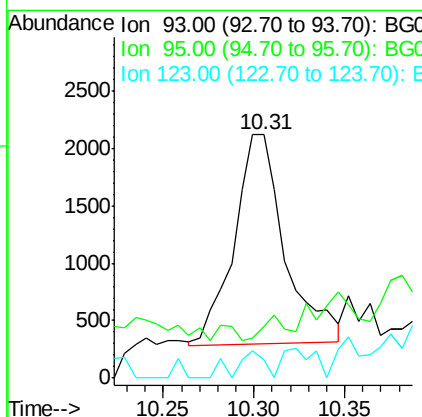
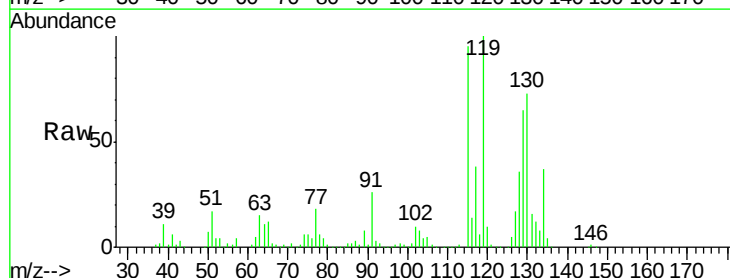
Instrument :
 BNA_G
 ClientSampleId :
 G9D88

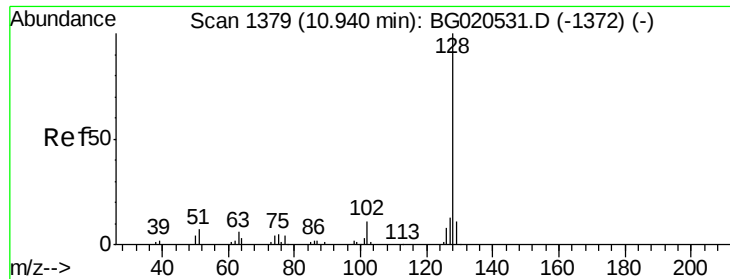
Tgt Ion: 77 Resp: 10943
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.4 50.0#
 65 68.6 11.7 17.5#



#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.77 ng/ul
 RT: 10.31 min Scan# 1271
 Delta R.T. 0.02 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Tgt Ion: 93 Resp: 3588
 Ion Ratio Lower Upper
 93 100
 95 21.3 27.4 41.2#
 123 7.5 9.4 14.0#

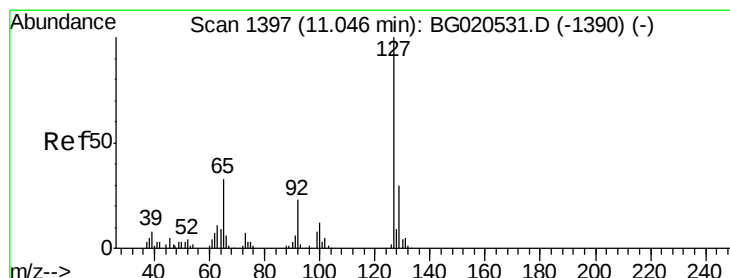
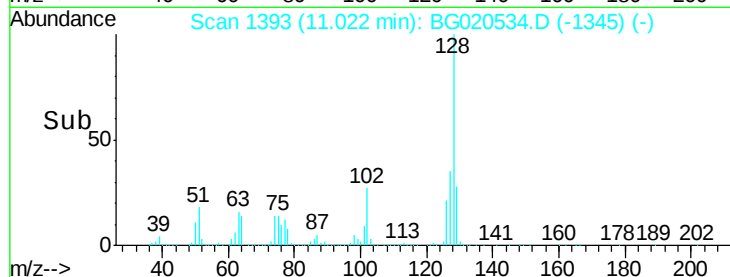
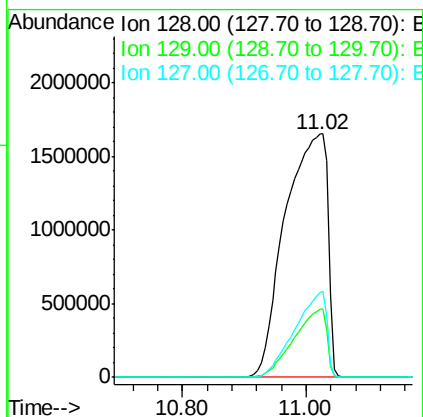
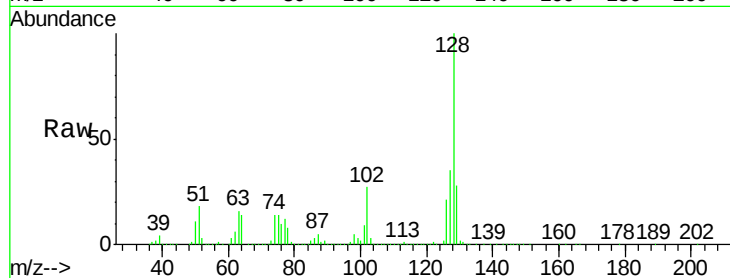




#28
Naphthalene
Concen: 1497.50 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. 0.08 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

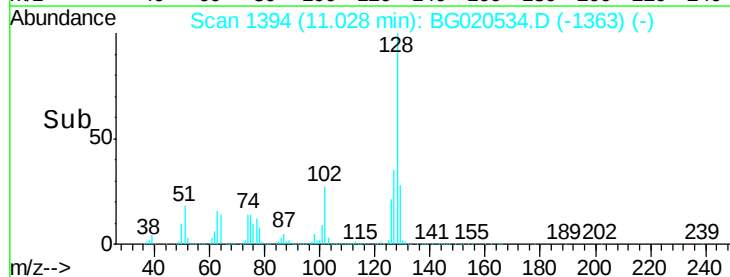
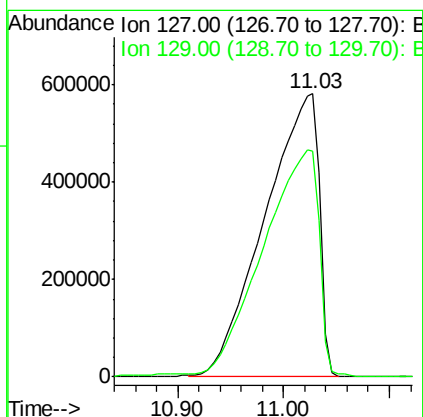
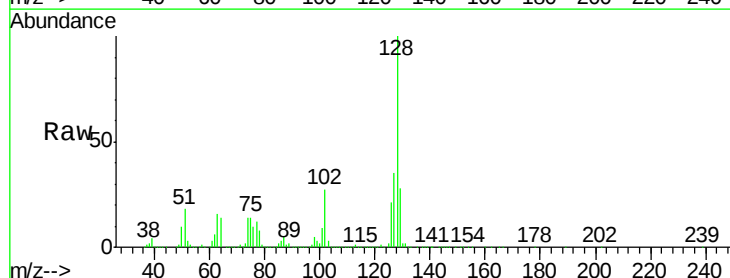
Instrument :
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ClientSampleId :
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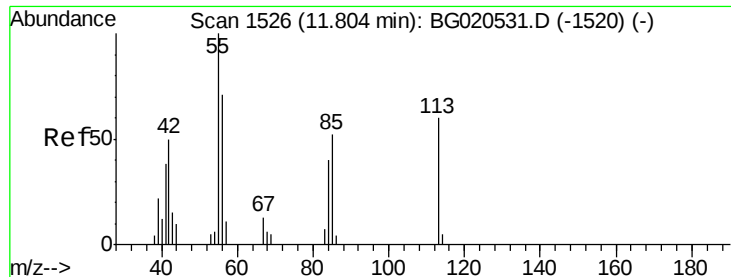
Tgt Ion:128 Resp: 7875371
Ion Ratio Lower Upper
128 100
129 28.2 8.6 12.8#
127 34.9 10.1 15.1#



#30
4-Chloroaniline
Concen: 1053.63 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Tgt Ion:127 Resp: 2070771
Ion Ratio Lower Upper
127 100
129 79.6 25.7 38.5#





#32

Caprolactam

Concen: 1.63 ng/ul

RT: 11.84 min Scan# 1532

Delta R.T. 0.03 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

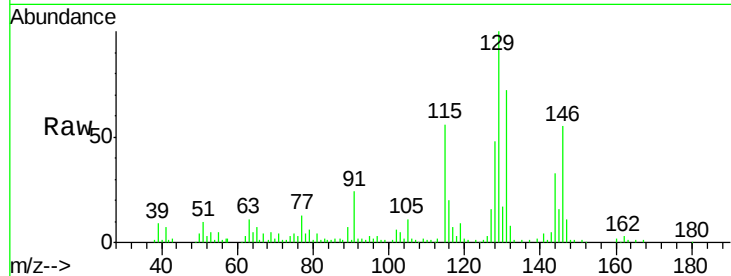
Tgt Ion:113 Resp: 915

Ion Ratio Lower Upper

113 100

55 326.7 132.1 198.1#

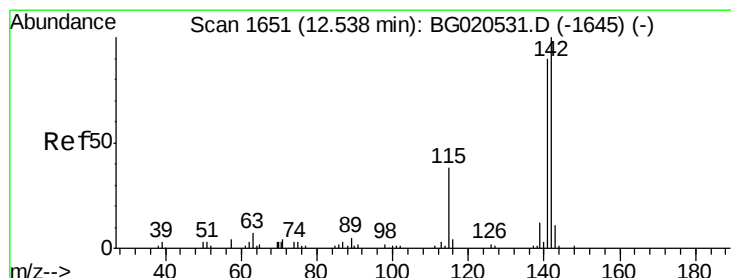
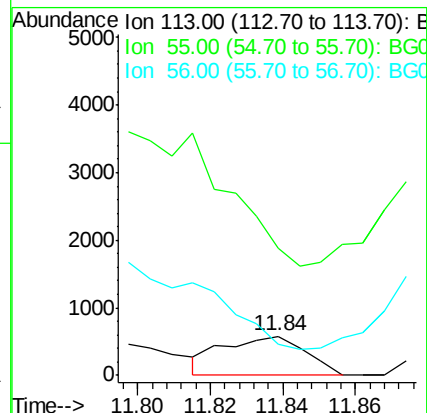
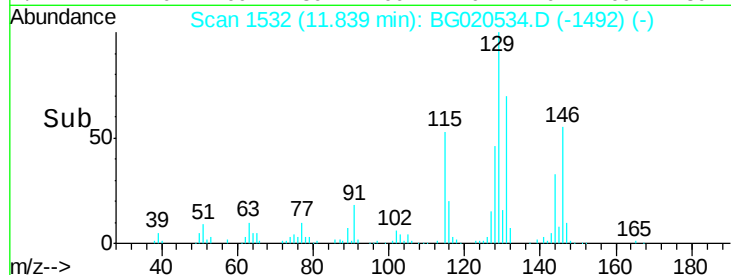
56 79.3 103.3 154.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#34

2-Methylnaphthalene

Concen: 1461.29 ng/ul

RT: 12.62 min Scan# 1665

Delta R.T. 0.08 min

Lab File: BG020534.D

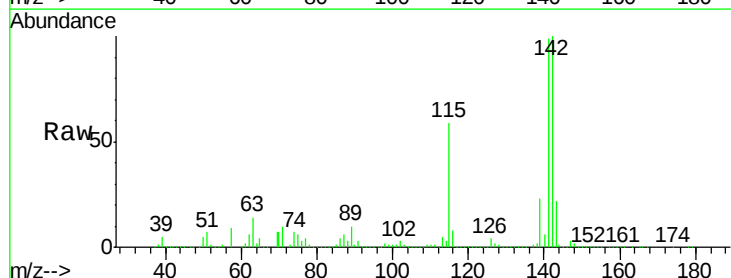
Acq: 26 Dec 2015 10:55

Tgt Ion:142 Resp: 5686207

Ion Ratio Lower Upper

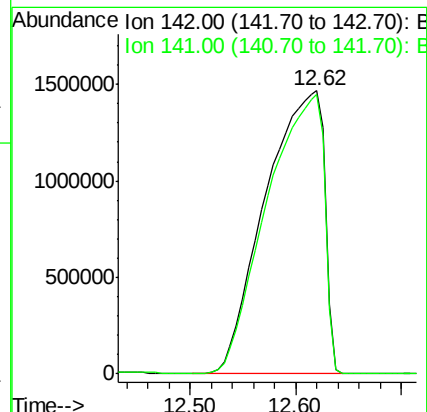
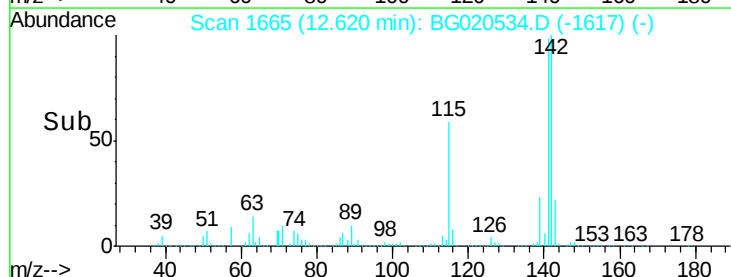
142 100

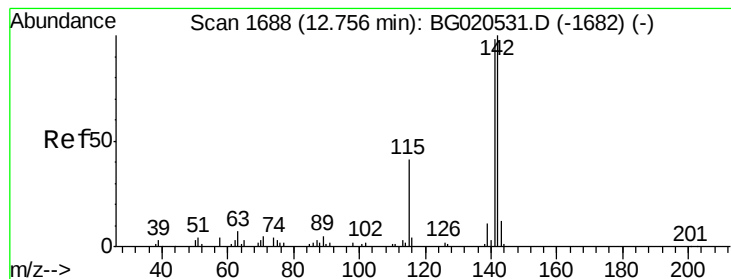
141 98.6 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 1187.37 ng/ul

RT: 12.83 min Scan# 1701

Delta R.T. 0.08 min

Lab File: BG020534.D

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G9D88

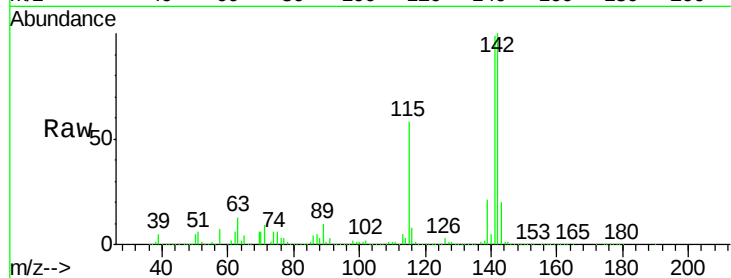
Tgt Ion:142 Resp: 4389113

Ion Ratio Lower Upper

142 100

141 98.6 73.0 109.6

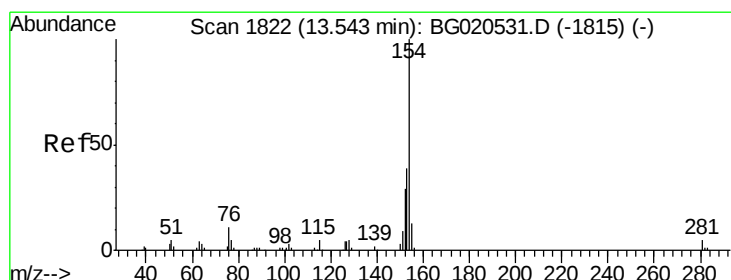
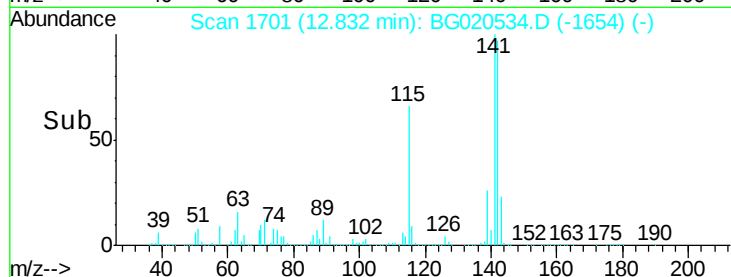
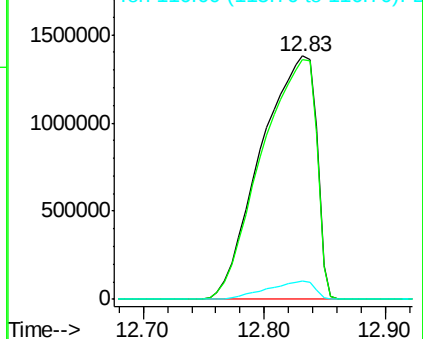
116 7.6 3.0 4.6#



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: 140.31 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

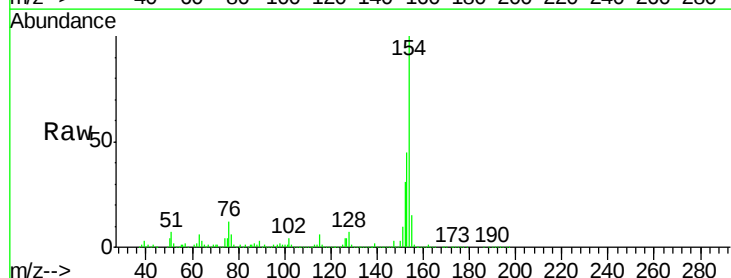
Tgt Ion:154 Resp: 933171

Ion Ratio Lower Upper

154 100

153 45.1 35.5 53.3

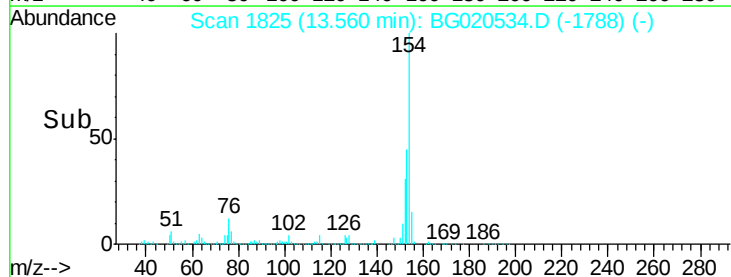
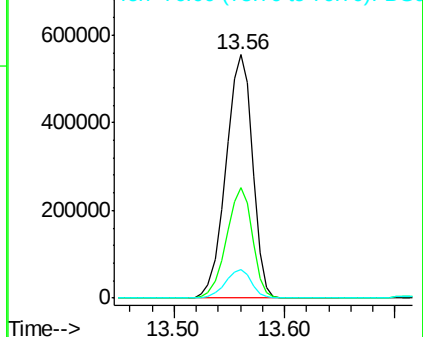
76 11.9 10.4 15.6

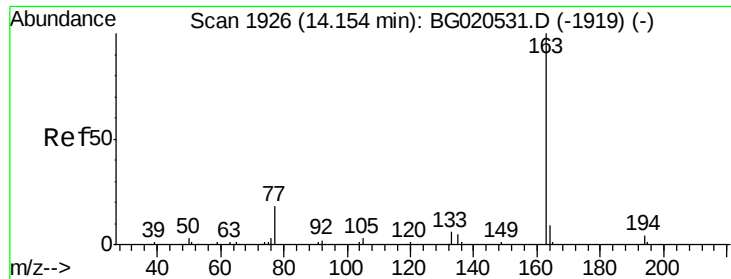


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#45

Dimethylphthalate

Concen: 6.75 ng/ul

RT: 14.18 min Scan# 1930

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

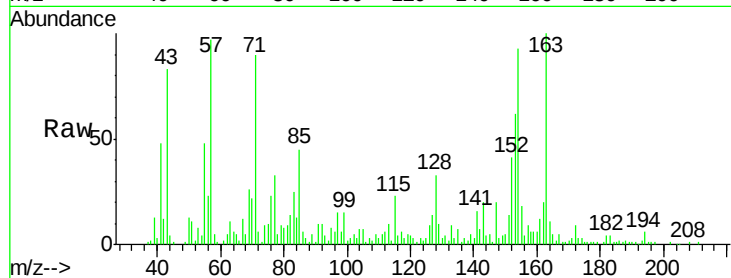
Tgt Ion:163 Resp: 48758

Ion Ratio Lower Upper

163 100

194 5.6 3.5 5.3#

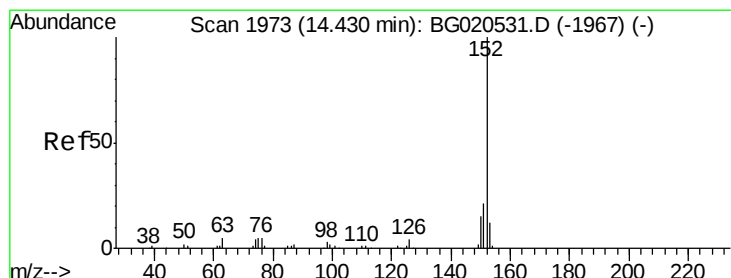
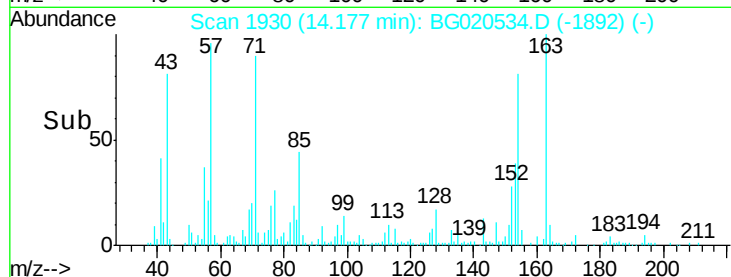
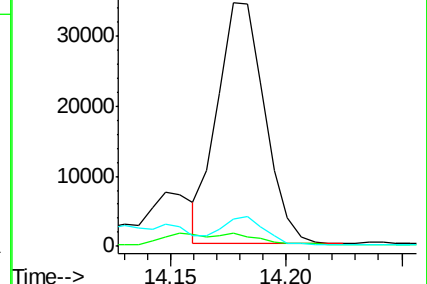
164 11.2 7.7 11.5



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: 55.29 ng/ul

RT: 14.46 min Scan# 1978

Delta R.T. 0.03 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

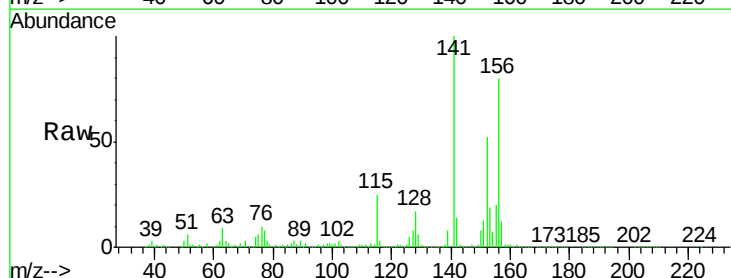
Tgt Ion:152 Resp: 478273

Ion Ratio Lower Upper

152 100

151 25.3 16.4 24.6#

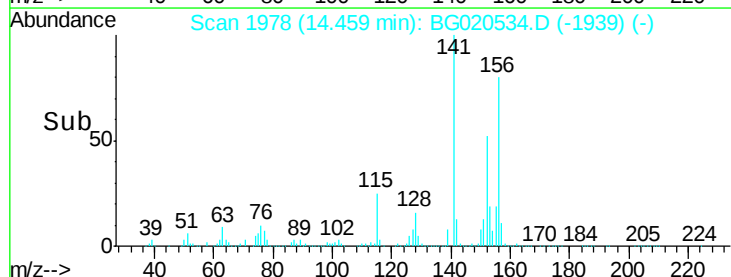
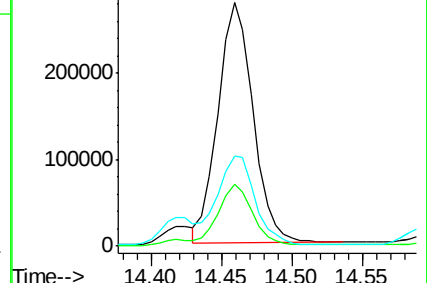
153 36.7 10.4 15.6#

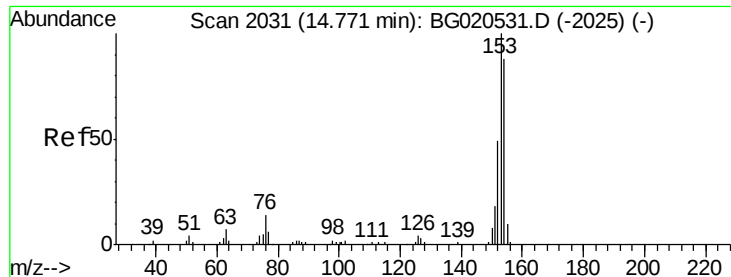


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 525.18 ng/ul

RT: 14.82 min Scan# 2040

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

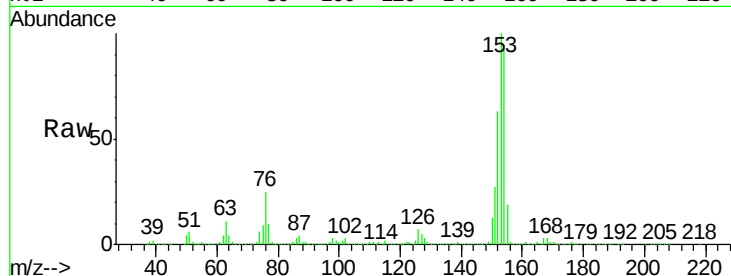
Tgt Ion:153 Resp: 3071212

Ion Ratio Lower Upper

153 100

152 62.9 37.6 56.4#

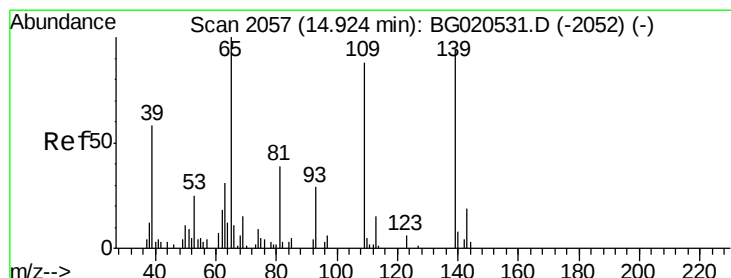
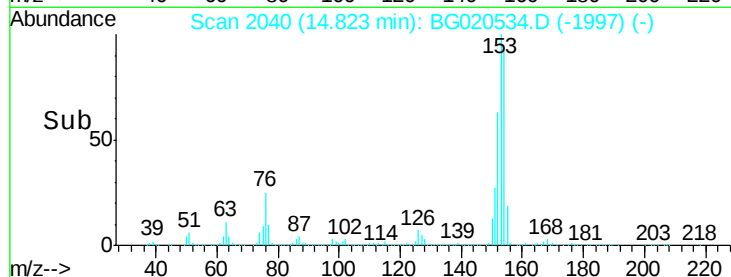
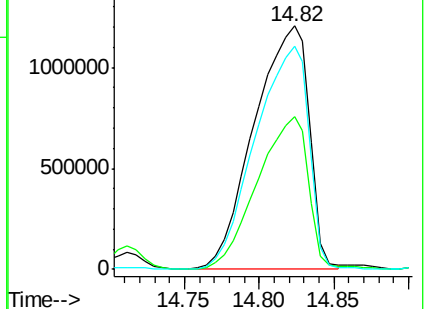
154 91.7 67.9 101.9



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



#53

4-Nitrophenol

Concen: 1.18 ng/ul

RT: 14.94 min Scan# 2060

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

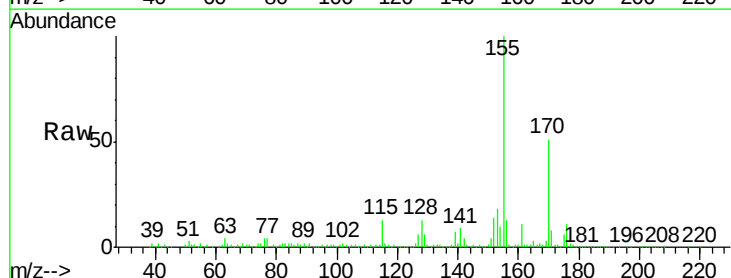
Tgt Ion:109 Resp: 1269

Ion Ratio Lower Upper

109 100

139 1085.7 80.5 120.7#

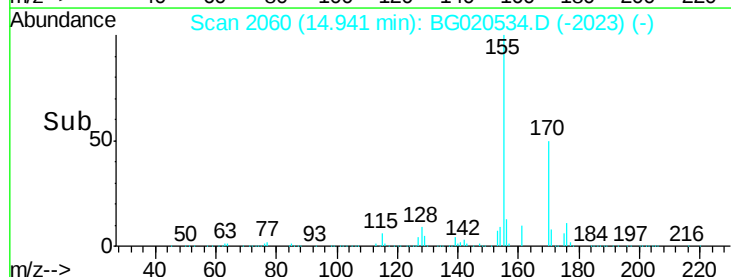
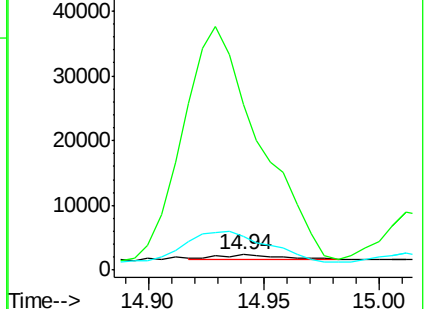
65 220.1 93.4 140.2#

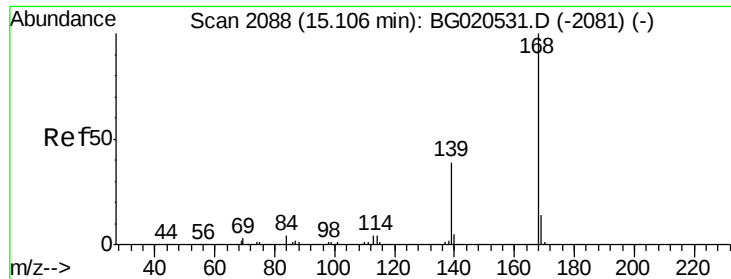


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC





#54

Dibenzofuran

Concen: 54.97 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

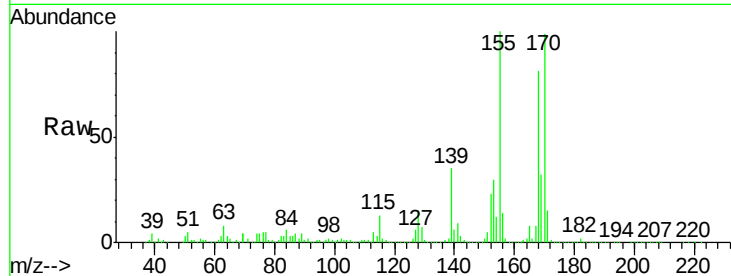
G9D88

Tgt Ion:168 Resp: 478249

Ion Ratio Lower Upper

168 100

139 43.5 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

300000

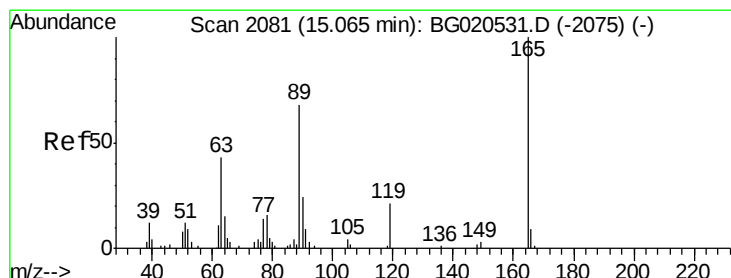
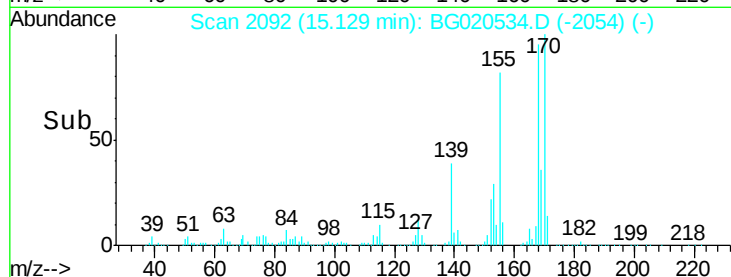
200000

100000

0

Time-->

15.05 15.10 15.15 15.20



#55

2,4-Dinitrotoluene

Concen: 11.34 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. 0.01 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

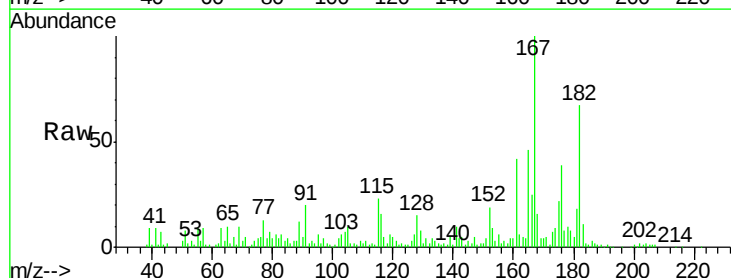
Tgt Ion:165 Resp: 24889

Ion Ratio Lower Upper

165 100

63 19.4 35.8 53.8#

182 147.3 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

40000

30000

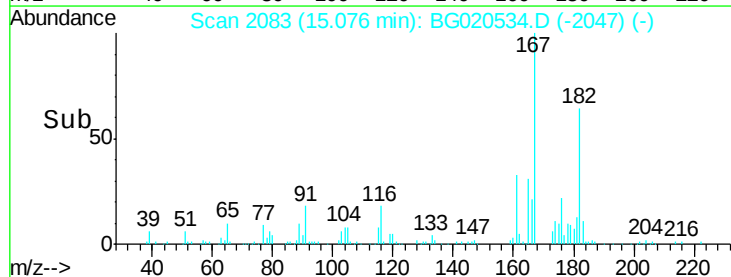
20000

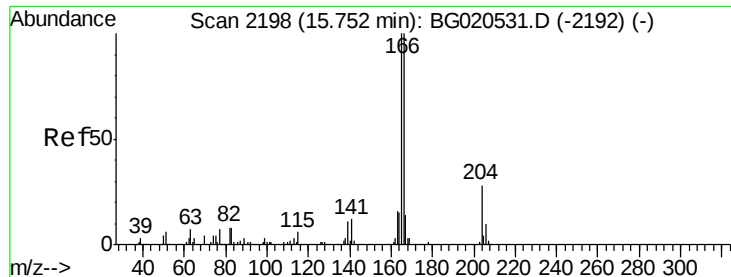
10000

0

Time-->

15.06 15.08 15.10





#59

Fluorene

Concen: 312.00 ng/ul

RT: 15.80 min Scan# 2206

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

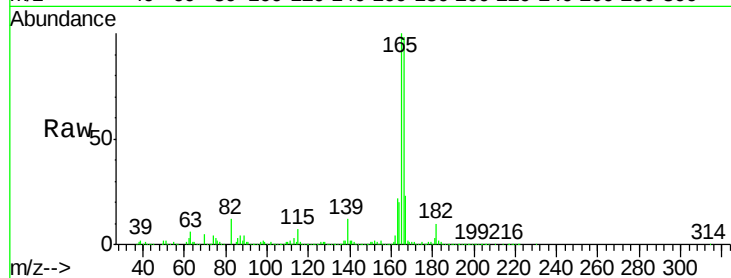
Tgt Ion:166 Resp: 2199756

Ion Ratio Lower Upper

166 100

165 101.9 81.4 122.0

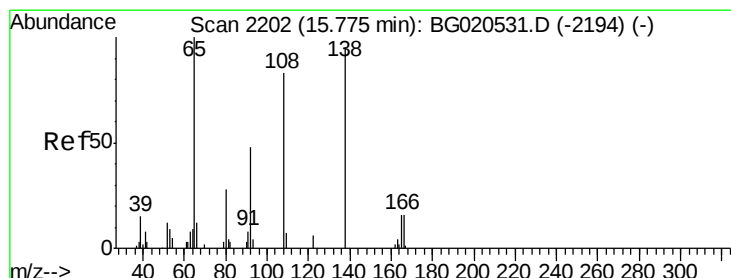
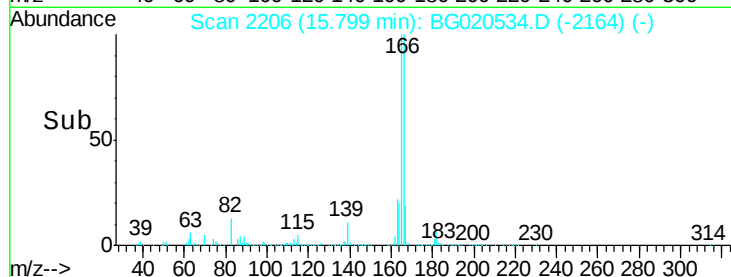
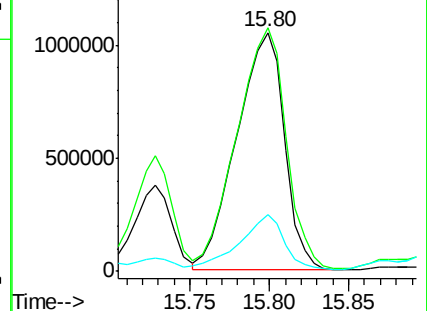
167 23.5 11.2 16.8#



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: 22.58 ng/ul

RT: 15.80 min Scan# 2206

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

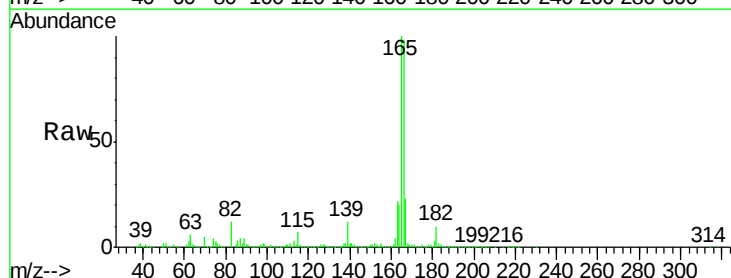
Tgt Ion:138 Resp: 34389

Ion Ratio Lower Upper

138 100

92 8.3 45.2 67.8#

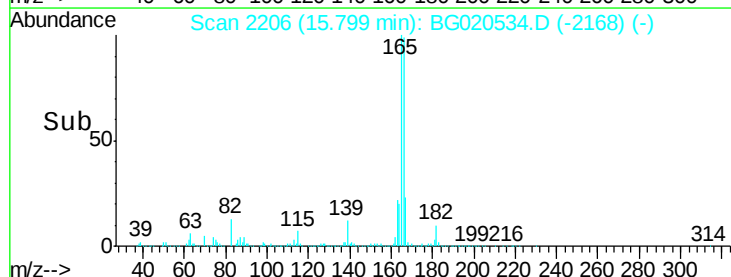
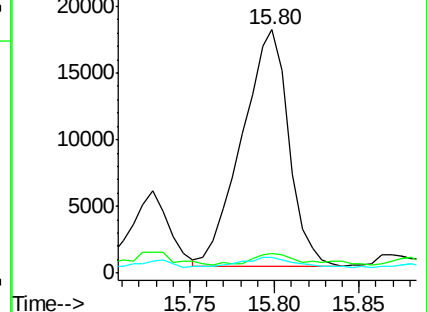
108 6.6 75.4 113.0#

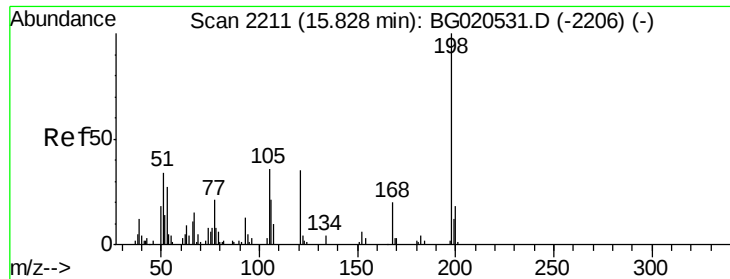


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

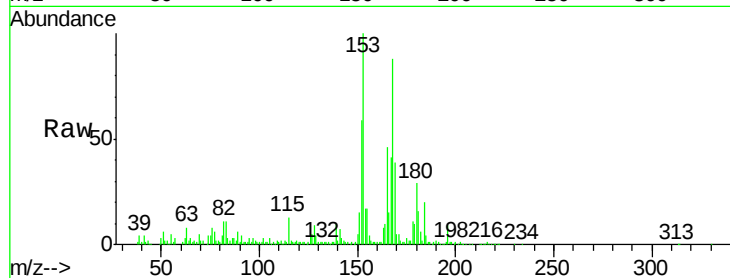




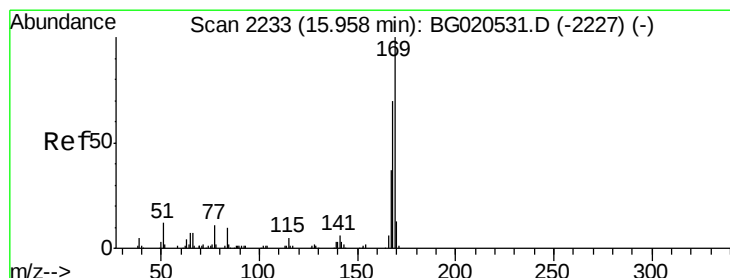
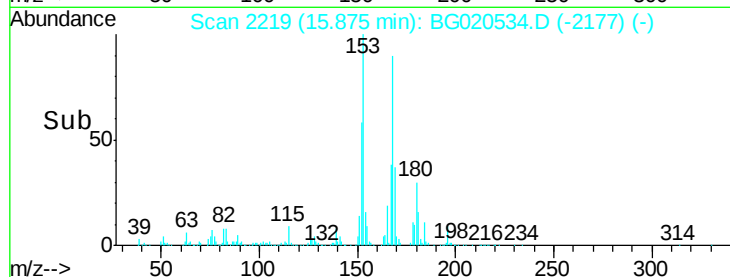
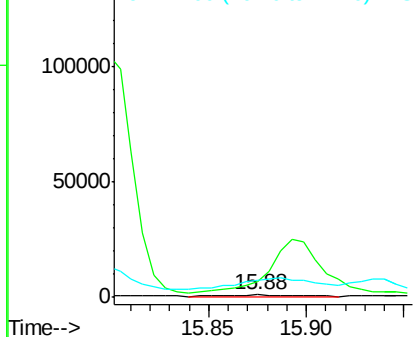
#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.70 ng/ul
 RT: 15.88 min Scan# 2219
 Delta R.T. 0.05 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Instrument :
 BNA_G
 ClientSampleId :
 G9D88

Tgt Ion:198 Resp: 1695
 Ion Ratio Lower Upper
 198 100
 182 655.6 2.5 3.7#
 77 734.0 17.7 26.5#

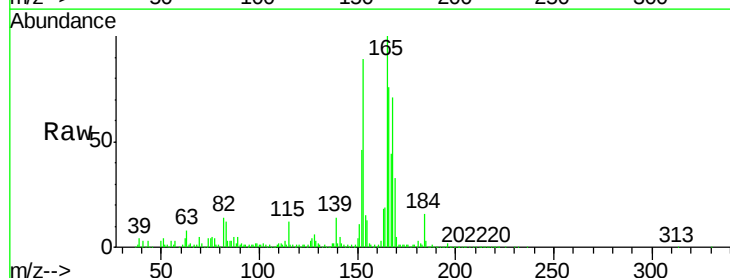


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BGC

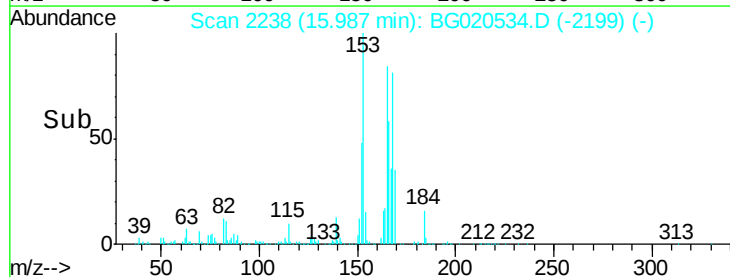
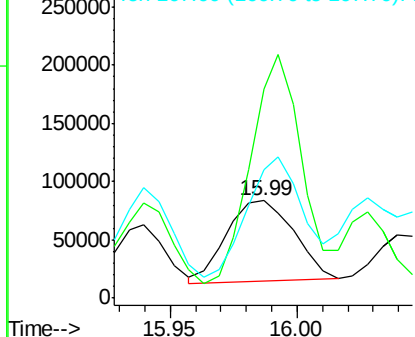


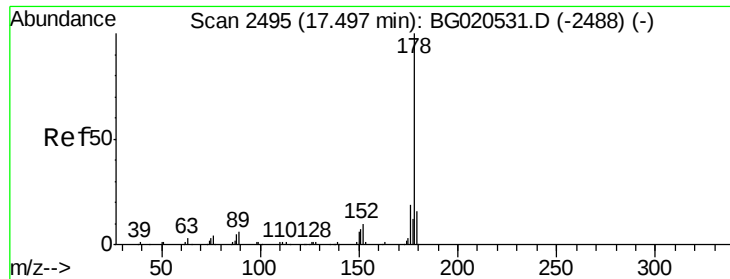
#65
 N-Nitrosodiphenylamine
 Concen: 32.20 ng/ul
 RT: 15.99 min Scan# 2238
 Delta R.T. 0.03 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Tgt Ion:169 Resp: 127652
 Ion Ratio Lower Upper
 169 100
 168 214.9 54.3 81.5#
 167 132.5 31.8 47.8#



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 804.18 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.07 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

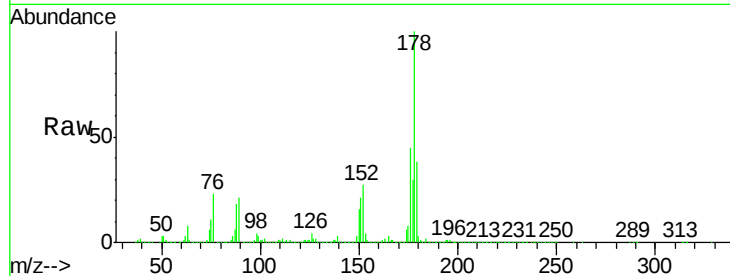
Tgt Ion:178 Resp: 6345215

Ion Ratio Lower Upper

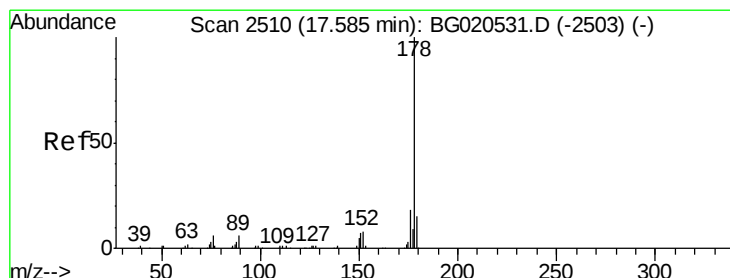
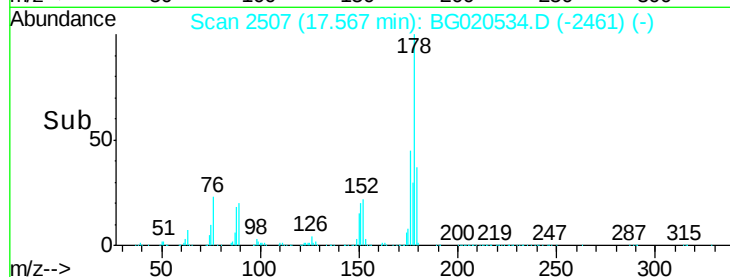
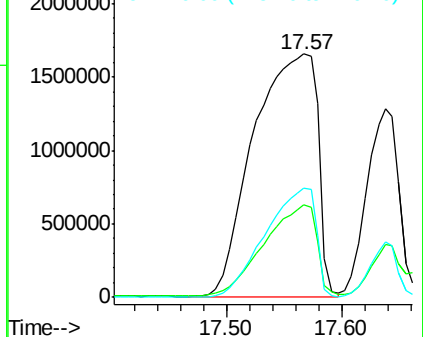
178 100

179 38.1 12.9 19.3#

176 44.9 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: 295.91 ng/ul

RT: 17.64 min Scan# 2519

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

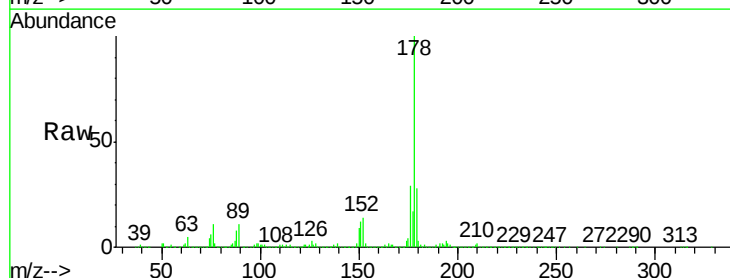
Tgt Ion:178 Resp: 2387519

Ion Ratio Lower Upper

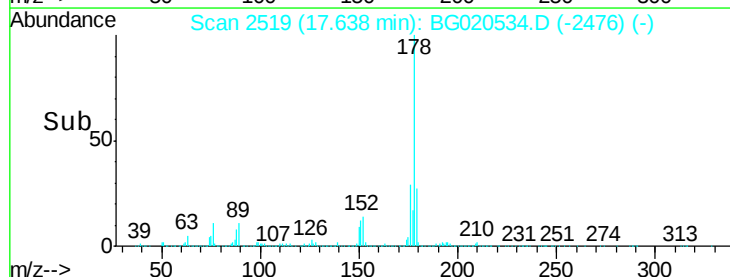
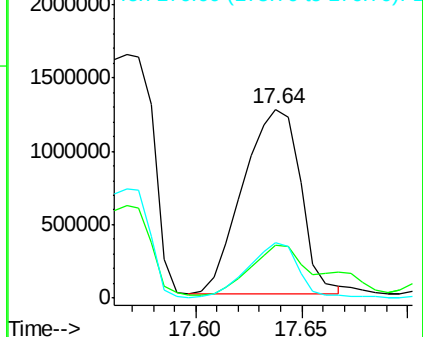
178 100

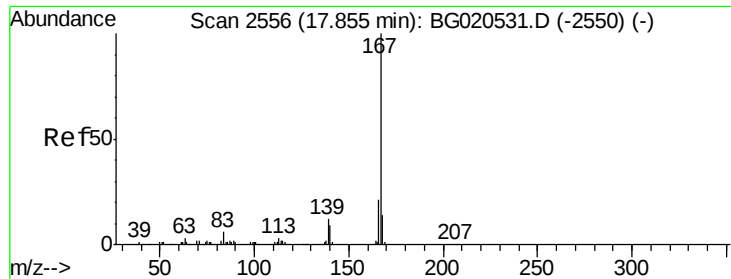
179 28.0 12.3 18.5#

176 29.5 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: 9.53 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

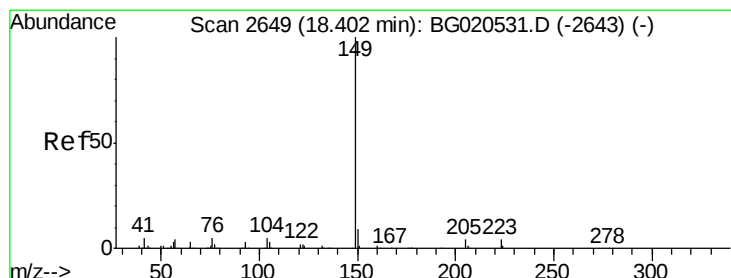
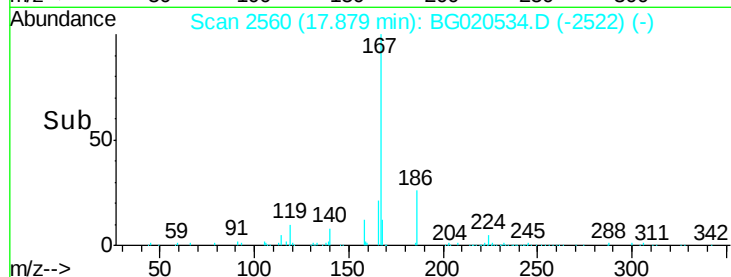
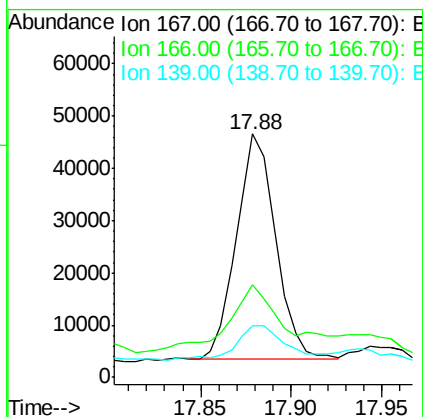
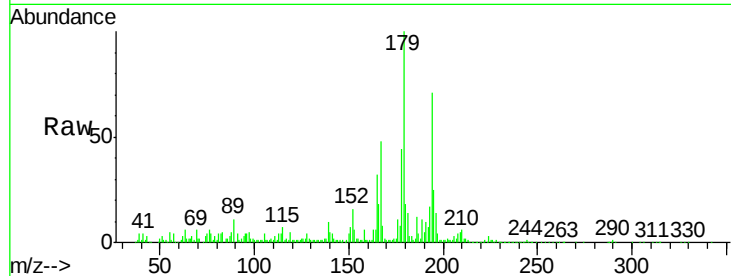
Tgt Ion:167 Resp: 64791

Ion Ratio Lower Upper

167 100

166 38.0 17.0 25.6#

139 21.4 10.1 15.1#



#76

Di-n-butylphthalate

Concen: 1.21 ng/ul

RT: 18.42 min Scan# 2652

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

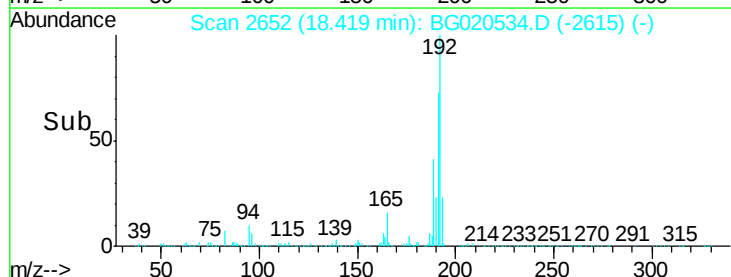
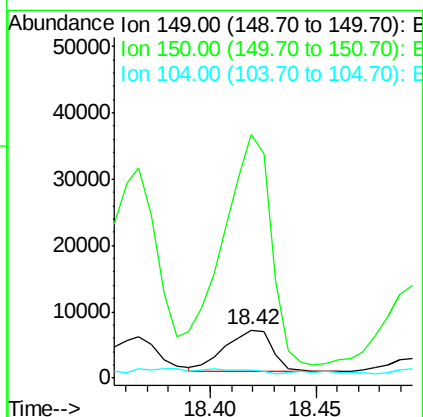
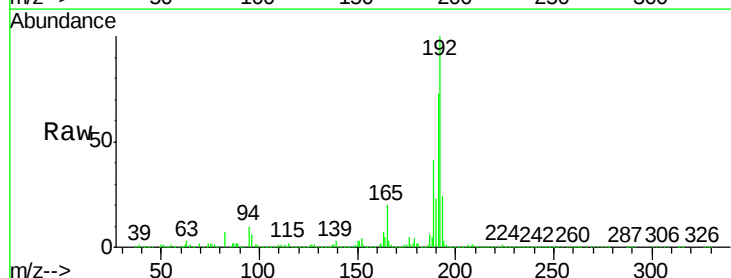
Tgt Ion:149 Resp: 9771

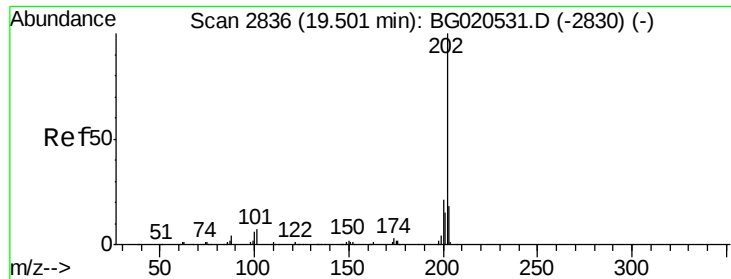
Ion Ratio Lower Upper

149 100

150 508.8 7.7 11.5#

104 17.2 4.2 6.4#





#77

Fluoranthene

Concen: 136.88 ng/ul

RT: 19.69 min Scan# 2868

Delta R.T. 0.19 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampled :

G9D88

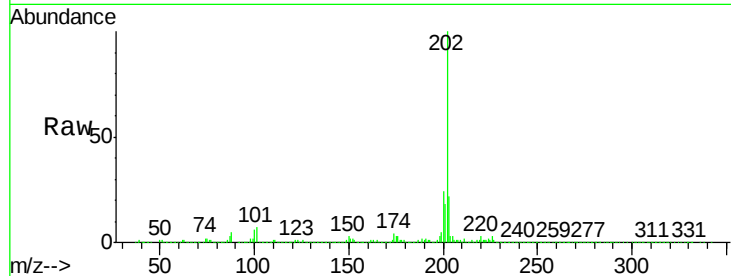
Tgt Ion:202 Resp: 1358145

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

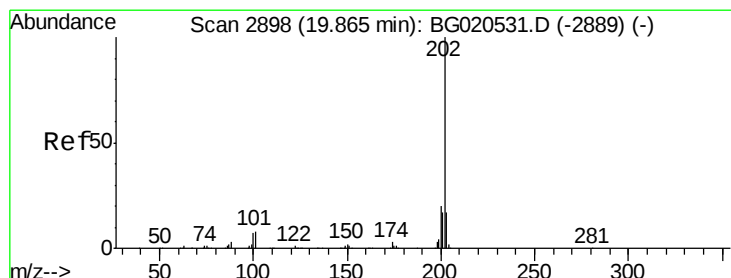
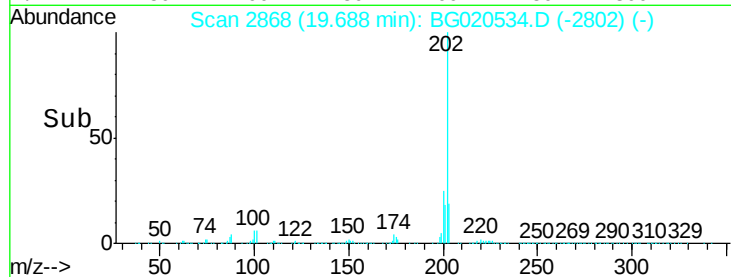
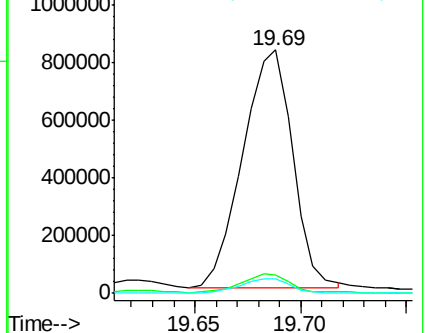
100 6.1 5.1 7.7



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: 374.71 ng/ul

RT: 19.92 min Scan# 2907

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

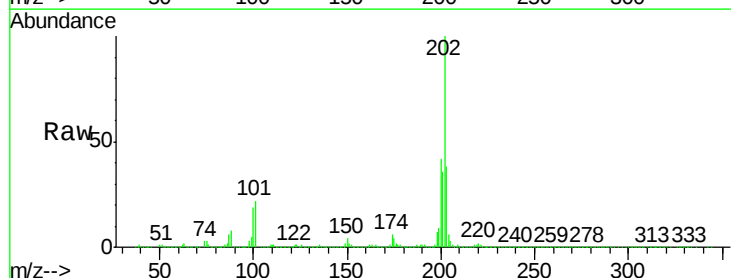
Tgt Ion:202 Resp: 3982611

Ion Ratio Lower Upper

202 100

101 22.0 7.0 10.4#

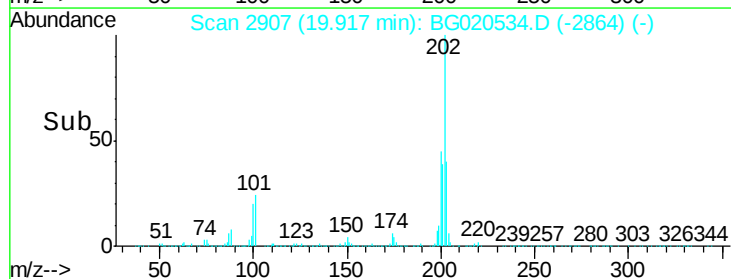
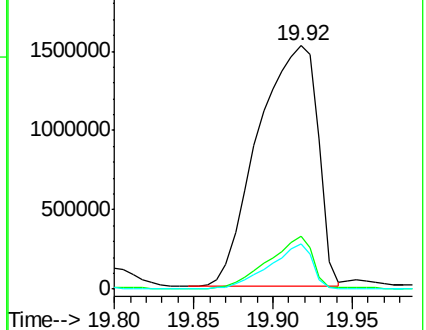
100 18.5 6.4 9.6#

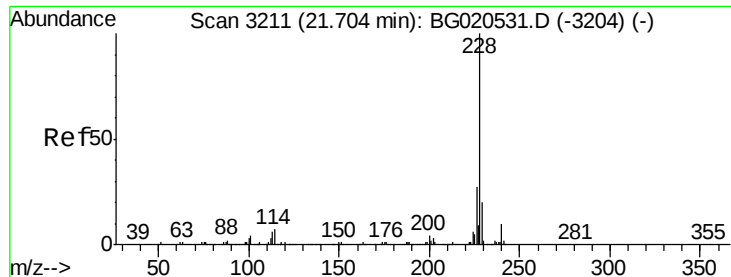


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 179.44 ng/ul

RT: 21.74 min Scan# 3218

Delta R.T. 0.04 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

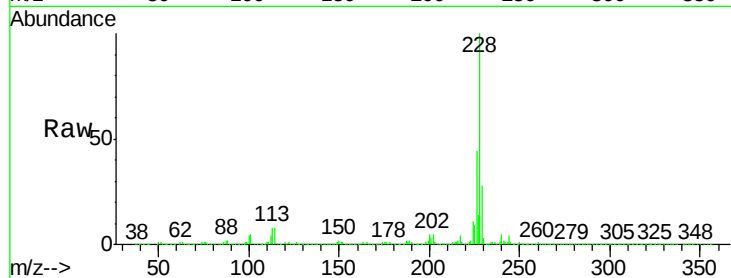
Tgt Ion:228 Resp: 1980666

Ion Ratio Lower Upper

228 100

229 28.2 15.8 23.8#

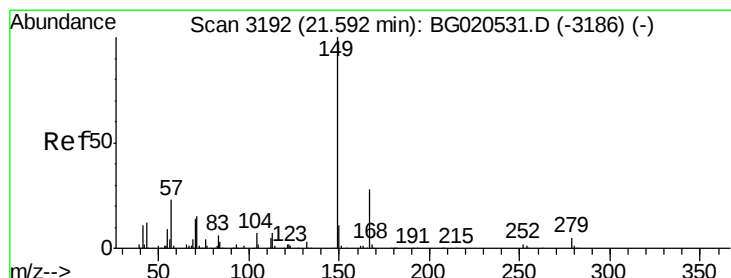
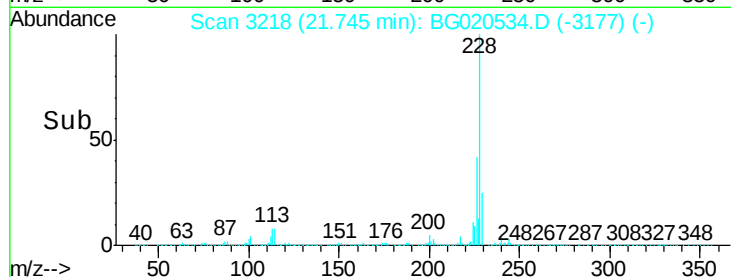
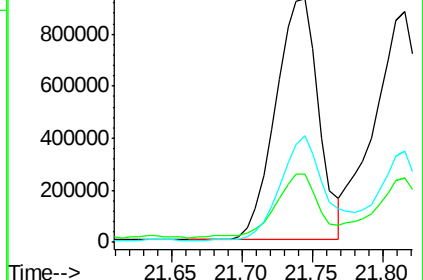
226 43.6 21.8 32.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.57 ng/ul

RT: 21.74 min Scan# 3218

Delta R.T. 0.15 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

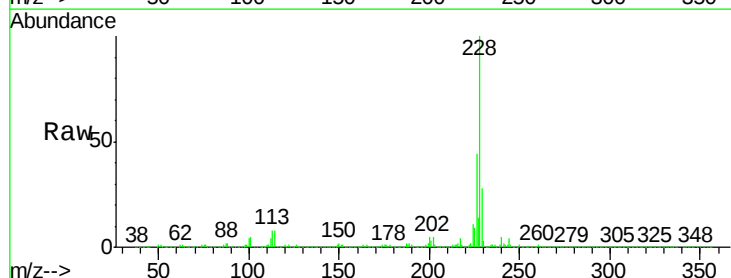
Tgt Ion:149 Resp: 8700

Ion Ratio Lower Upper

149 100

167 24.6 22.8 34.2

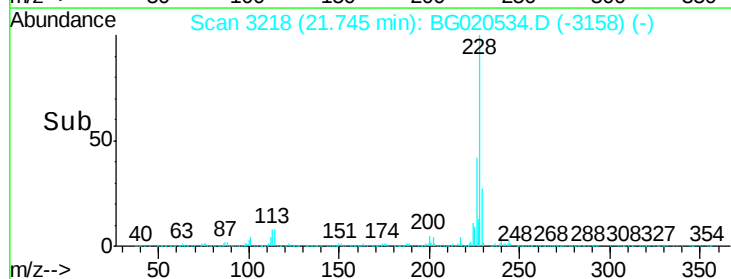
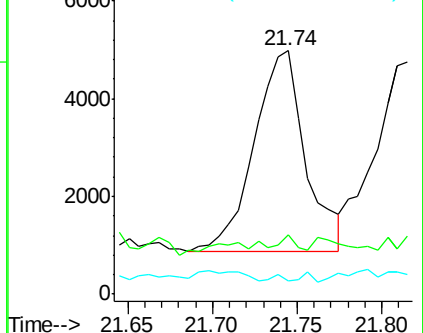
279 5.7 4.1 6.1

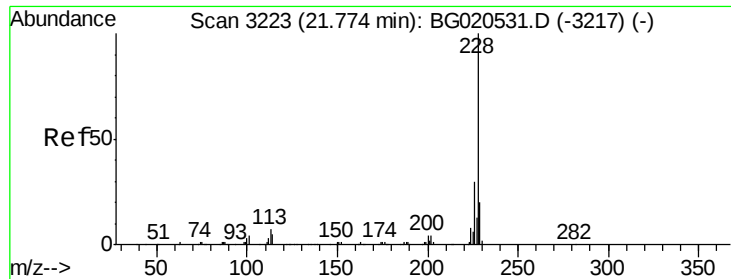


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 178.74 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. 0.04 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

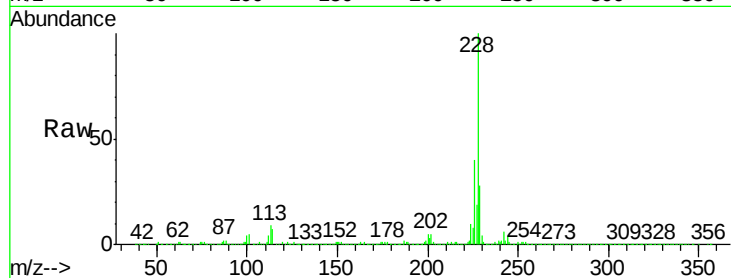
Tgt Ion:228 Resp: 1879248

Ion Ratio Lower Upper

228 100

226 39.7 23.9 35.9#

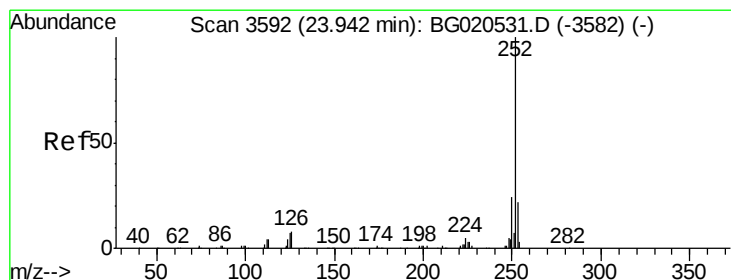
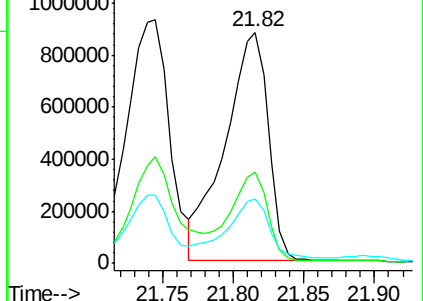
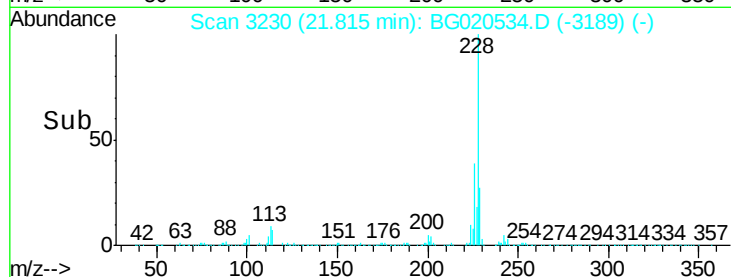
229 27.9 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 105.88 ng/ul

RT: 24.01 min Scan# 3603

Delta R.T. 0.06 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

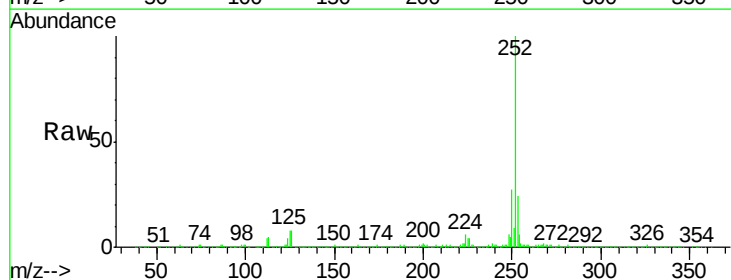
Tgt Ion:252 Resp: 1157214

Ion Ratio Lower Upper

252 100

253 24.0 16.7 25.1

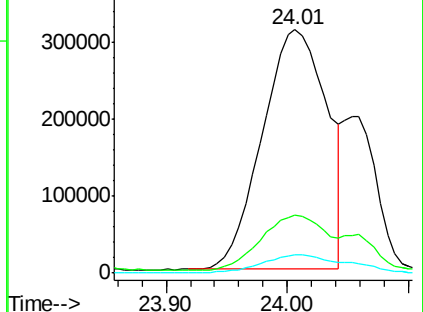
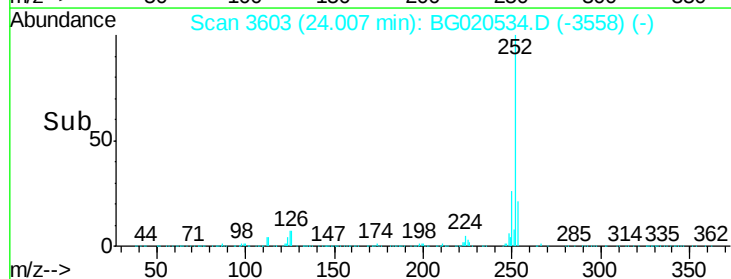
125 7.7 6.2 9.2

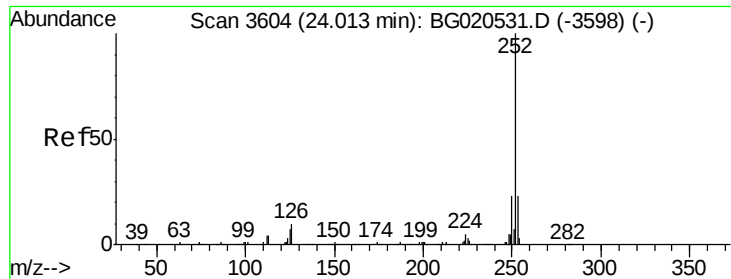


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

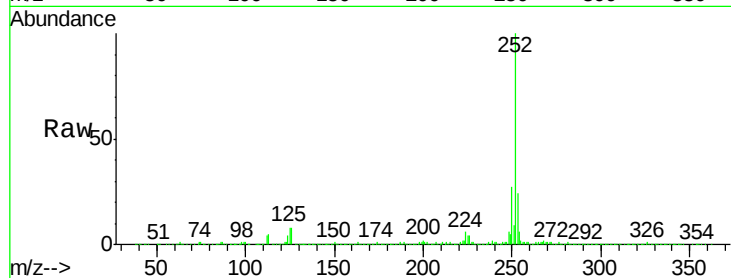




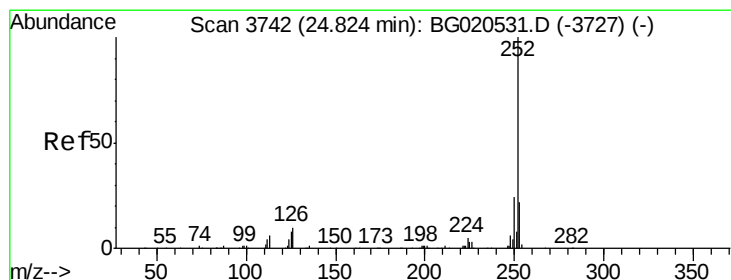
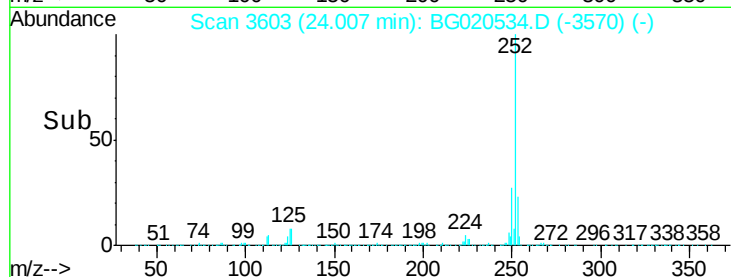
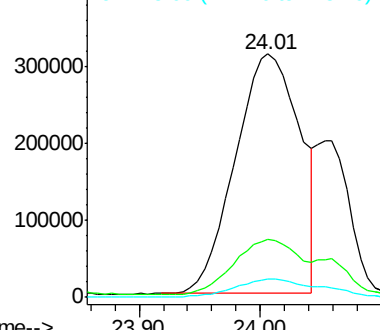
#89
Benzo(k)fluoranthene
Concen: 109.53 ng/u1
RT: 24.01 min Scan# 3603
Delta R.T. -0.01 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Instrument :
BNA_G
ClientSampleId :
G9D88

Tgt Ion:252 Resp: 1157214
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 7.7 5.8 8.6

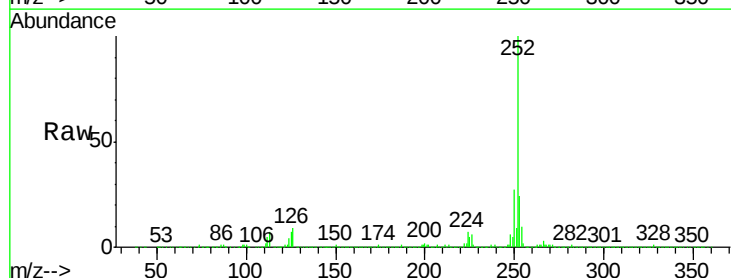


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

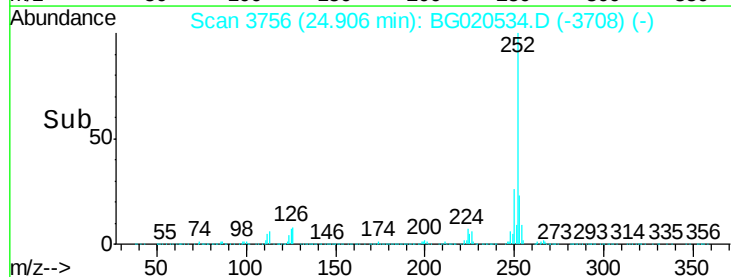
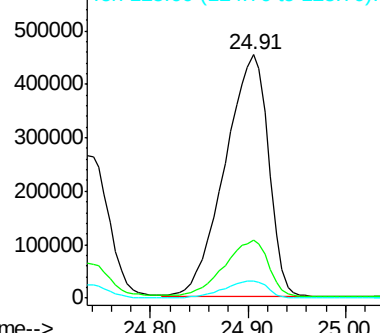


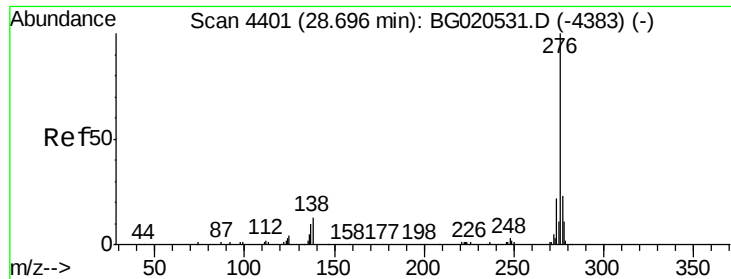
#91
Benzo(a)pyrene
Concen: 133.59 ng/u1
RT: 24.91 min Scan# 3756
Delta R.T. 0.08 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Tgt Ion:252 Resp: 1403364
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 7.2 6.2 9.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 42.19 ng/ul

RT: 28.80 min Scan# 4418

Delta R.T. 0.10 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

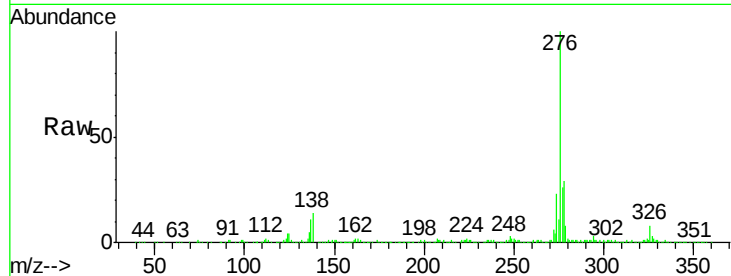
Tgt Ion:276 Resp: 530852

Ion Ratio Lower Upper

276 100

138 13.9 11.4 17.0

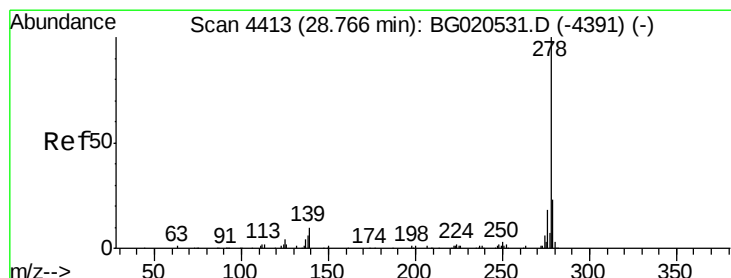
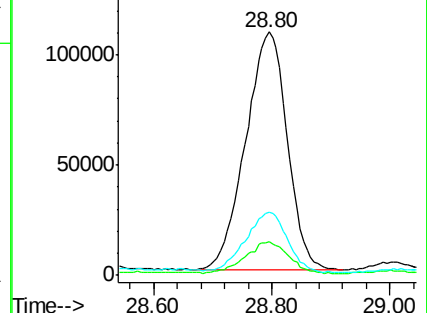
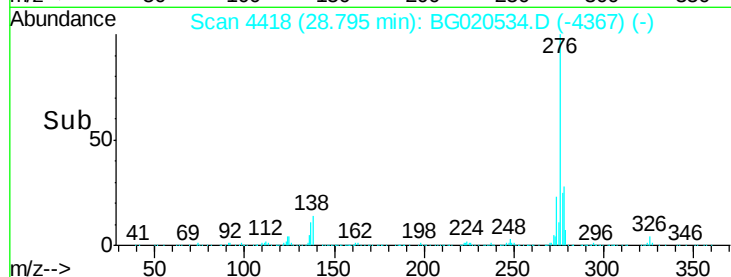
277 25.7 17.4 26.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 18.40 ng/ul

RT: 28.82 min Scan# 4422

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

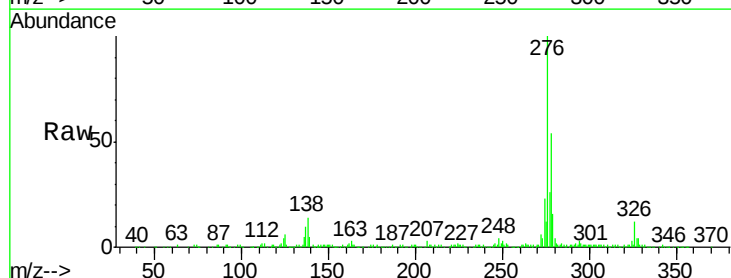
Tgt Ion:278 Resp: 192101

Ion Ratio Lower Upper

278 100

139 9.7 9.4 14.2

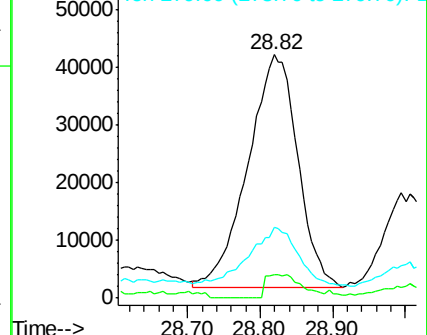
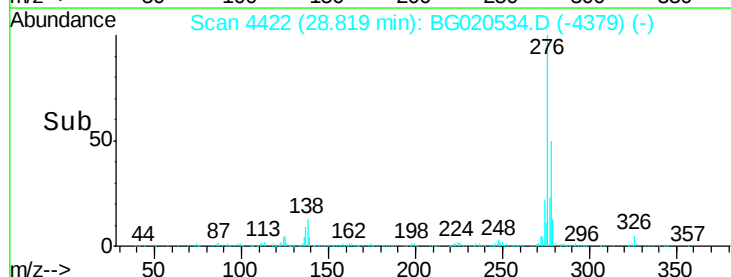
279 29.3 19.4 29.0#

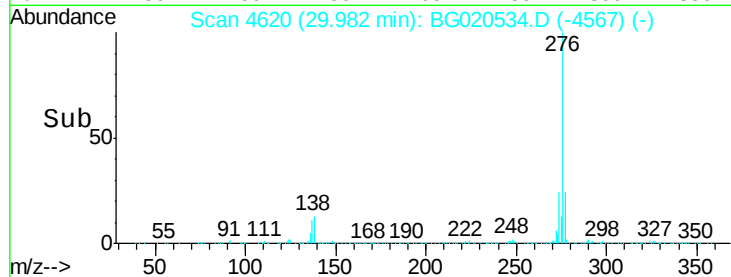
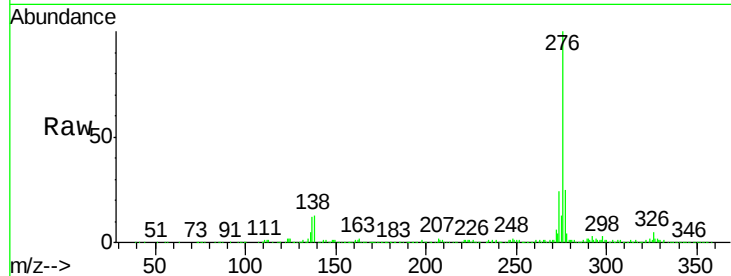
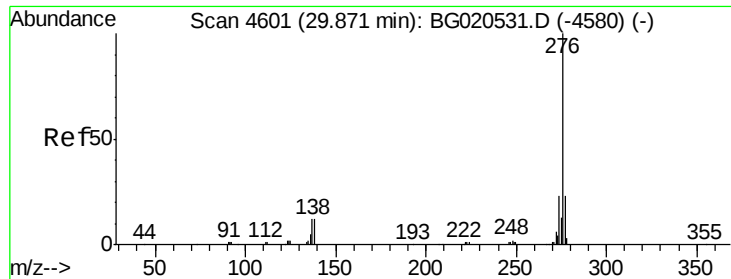


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 58.13 ng/ul

RT: 29.98 min Scan# 4620

Delta R.T. 0.11 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

Tgt Ion:276 Resp: 600718

Ion Ratio Lower Upper

276 100

138 13.3 10.8 16.2

277 24.6 19.9 29.9

