

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032227.D
 Acq On : 23 Jan 2018 12:13
 Operator : SJ/JU
 Sample : J1239-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:54:06 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

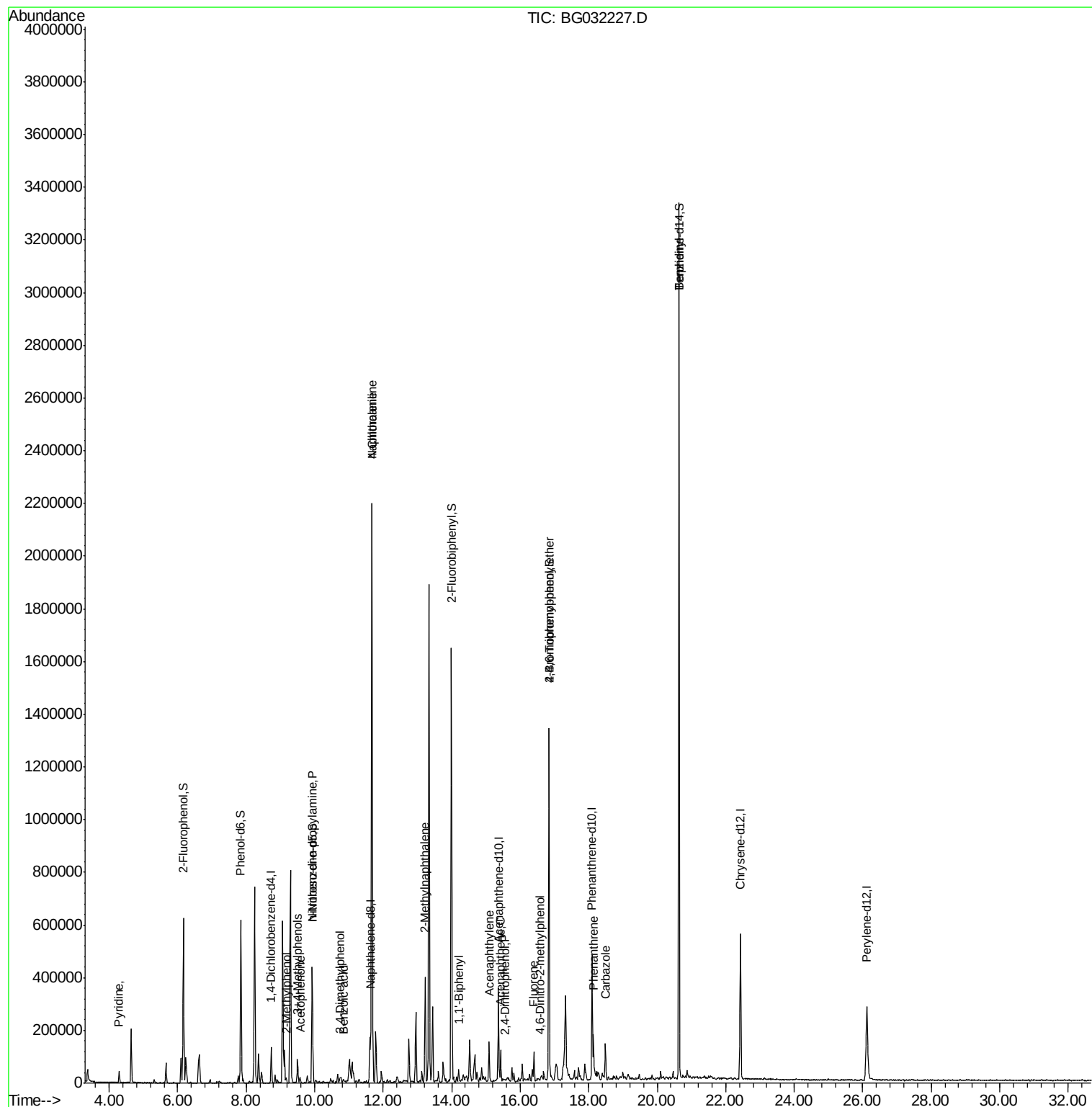
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	45709	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	187501	20.00	ng	-0.01
38) Acenaphthene-d10	15.36	164	131186	20.00	ng	-0.02
63) Phenanthrene-d10	18.10	188	322364	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	418967	20.00	ng	-0.02
86) Perylene-d12	26.12	264	452111	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	315999	126.44	ng	0.00
7) Phenol-d6	7.84	99	368867	117.19	ng	0.00
23) Nitrobenzene-d5	9.93	82	281466	101.56	ng	-0.01
41) 2,4,6-Tribromophenol	16.84	330	315252	145.22	ng	-0.01
44) 2-Fluorobiphenyl	13.99	172	976798	92.33	ng	-0.01
78) Terphenyl-d14	20.63	244	1765865	93.06	ng	-0.02
Target Compounds						
3) Pyridine	4.29	79	23819	9.294	ng	Qvalue # 83
17) 2-Methylphenol	9.17	107	6476	2.733	ng	# 98
19) n-Nitroso-di-n-propylamine	9.93	70	40148	20.558	ng	# 80
20) 3+4-Methylphenols	9.51	107	12037	3.667	ng	# 36
22) Acetophenone	9.57	105	12647	2.969	ng	# 91
27) 2,4-Dimethylphenol	10.74	122	5693	2.190	ng	# 74
31) Naphthalene	11.67	128	2070169	222.878	ng	# 96
32) Benzoic acid	10.83	122	355	5.408	ng	# 51
33) 4-Chloroaniline	11.67	127	312268	78.399	ng	# 35
37) 2-Methylnaphthalene	13.22	142	192311	26.079	ng	# 93
45) 1,1'-Biphenyl	14.20	154	27556	2.450	ng	# 96
48) Acenaphthylene	15.09	152	98433	7.388	ng	# 97
51) Acenaphthene	15.43	154	45145	5.125	ng	# 98
53) 2,4-Dinitrophenol	15.55	184	58	7.008	ng	# 1
57) Fluorene	16.40	166	50705	4.704	ng	# 95
64) 4,6-Dinitro-2-methylphenol	16.59	198	70	4.915	ng	# 29
66) 4-Bromophenyl-phenylether	16.84	248	26153	5.702	ng	# 1
70) Phenanthrene	18.14	178	108913	6.068	ng	# 98
72) Carbazole	18.49	167	92700	5.969	ng	# 96
76) Benzdine	20.63	184	26668	2.545	ng	# 93

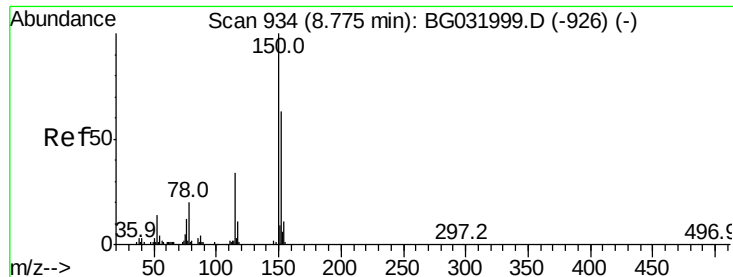
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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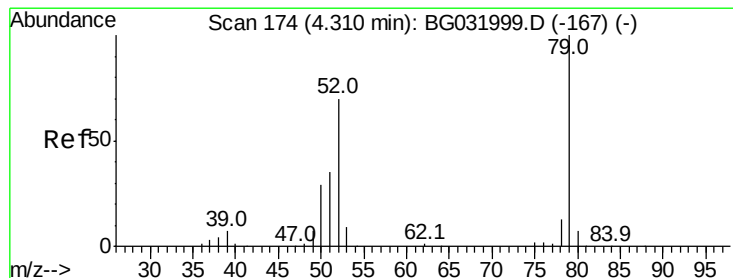
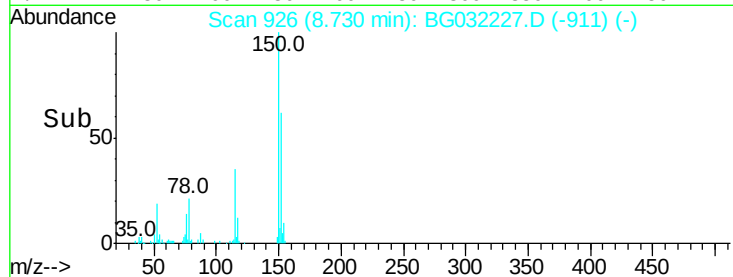
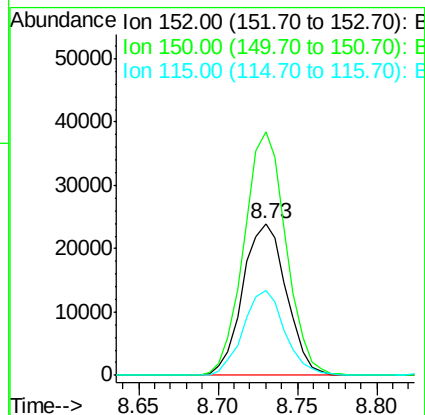
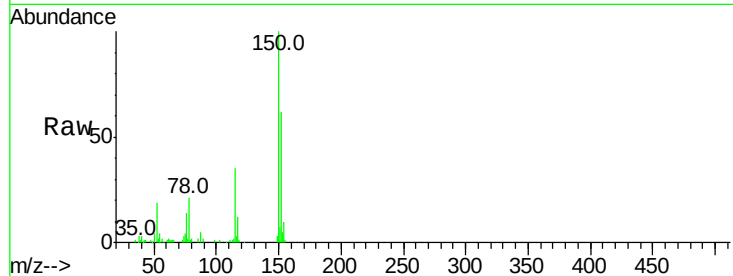


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 926
Delta R.T. -0.01 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

Instrument :
BNA_G
ClientSampleId :

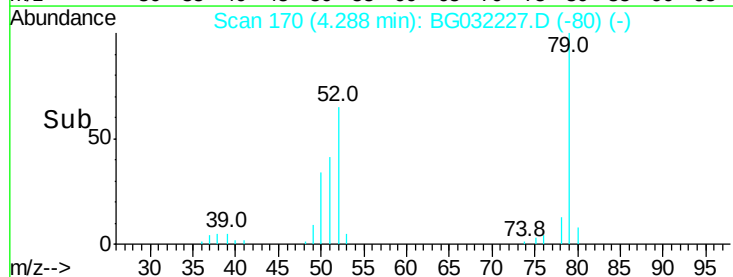
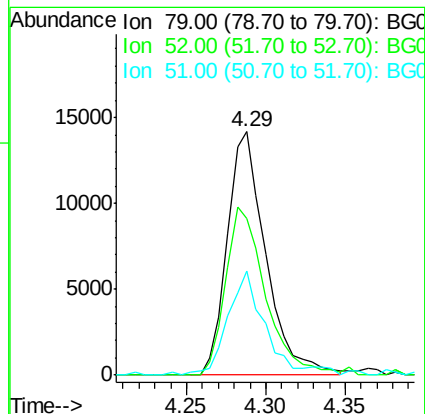
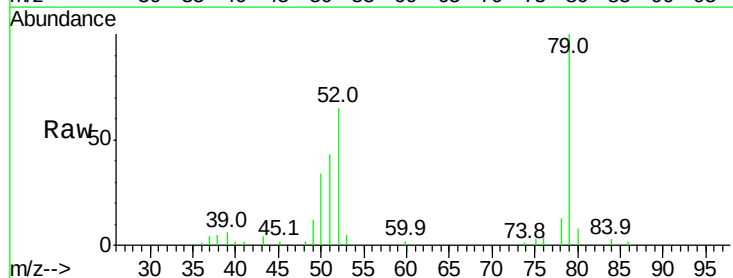
Tot Ion:152 Resp: 45709
Ion Ratio Lower Upper
152 100
150 160.3 126.6 189.8
115 55.9 53.0 79.4

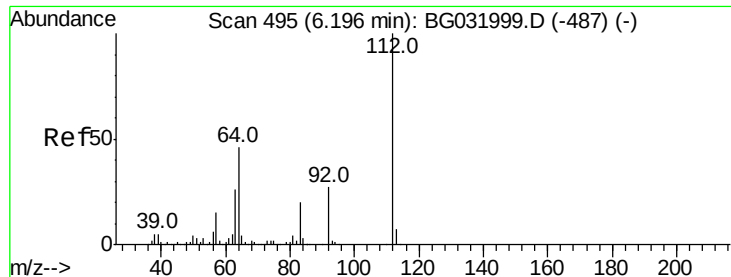


#3

Pyridine
Concen: 9.294 ng
RT: 4.29 min Scan# 170
Delta R.T. -0.00 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

Tgt Ion: 79 Resp: 23819
Ion Ratio Lower Upper
79 100
52 64.6 69.9 104.9#
51 42.6 34.0 51.0





#5

2-Fluorophenol

Concen: 126.439 ng

RT: 6.16 min Scan# 489

Delta R.T. -0.01 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

Instrument :

BNA_G

ClientSampled :

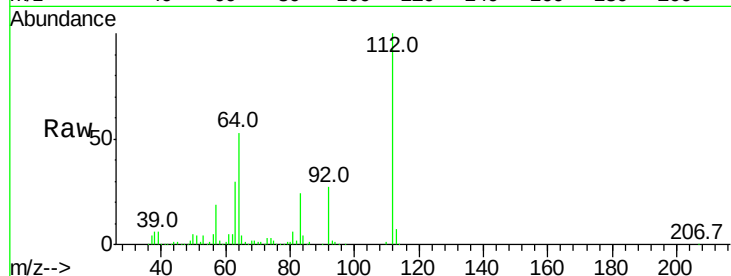
Tot Ion:112 Resp: 315999

Ion Ratio Lower Upper

112 100

64 52.7 56.3 84.5#

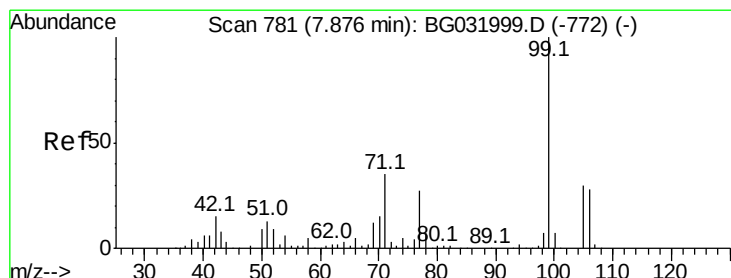
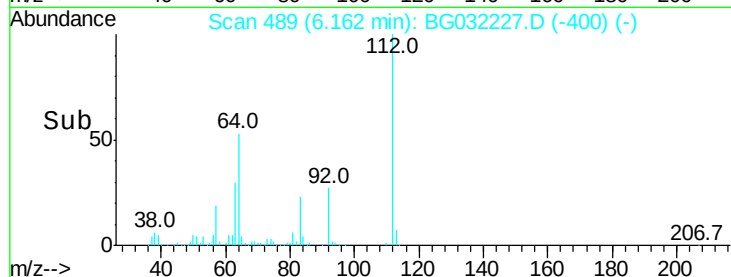
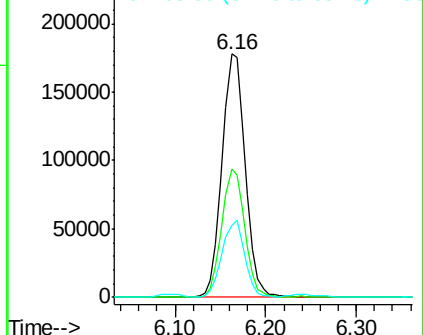
63 29.5 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 117.190 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

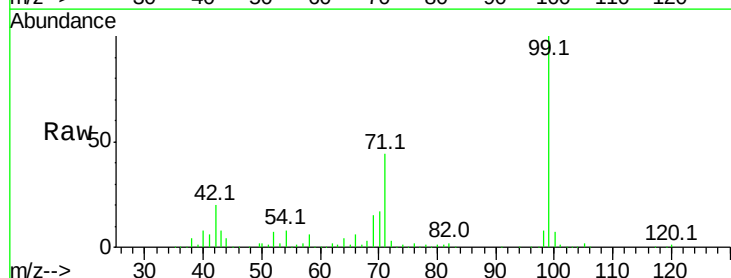
Tgt Ion: 99 Resp: 368867

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

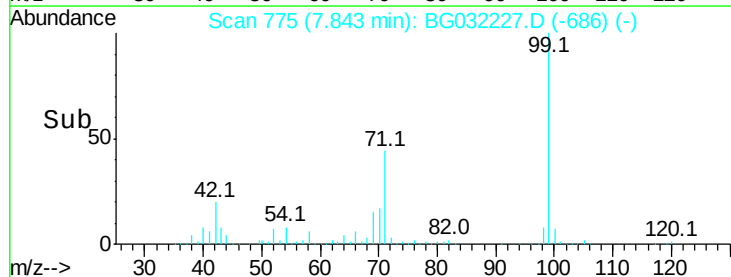
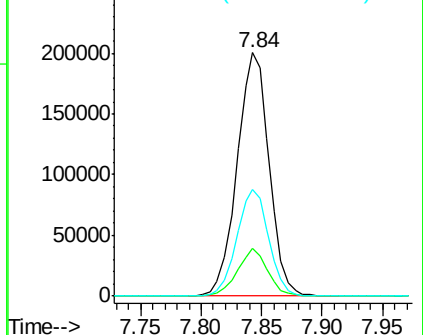
71 44.1 26.1 39.1#

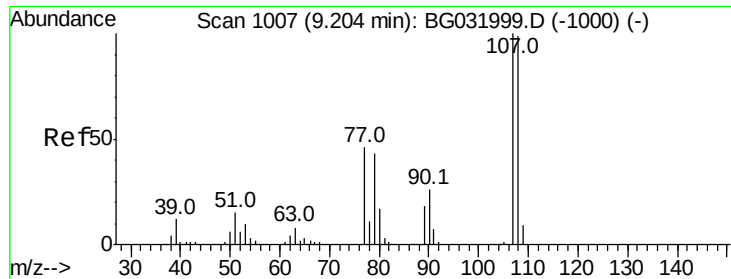


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

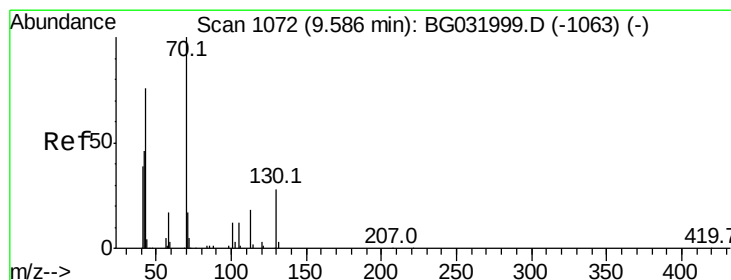
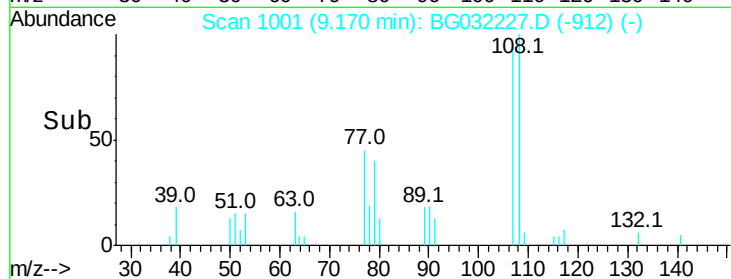
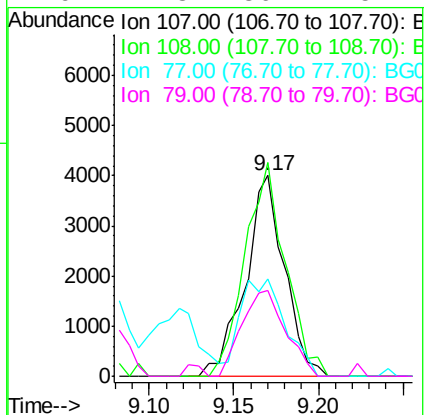
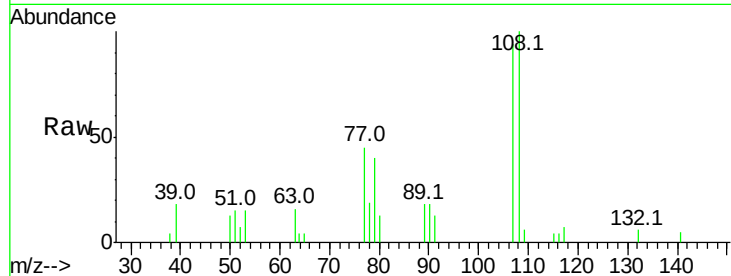




#17
2-Methylphenol
Concen: 2.733 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

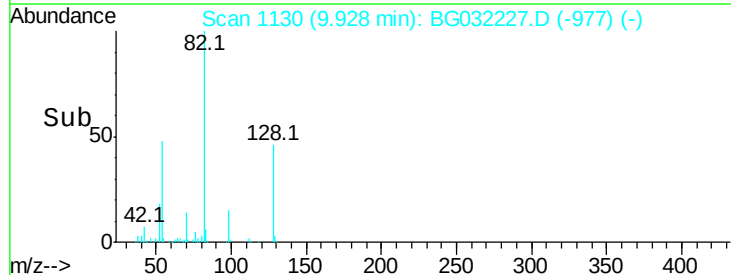
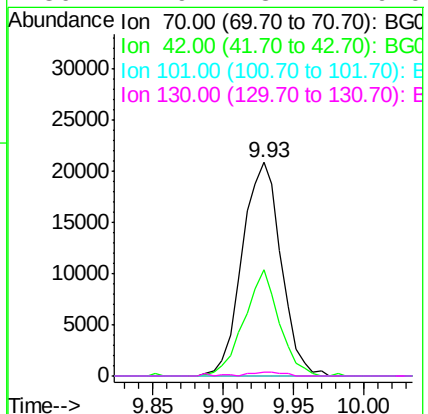
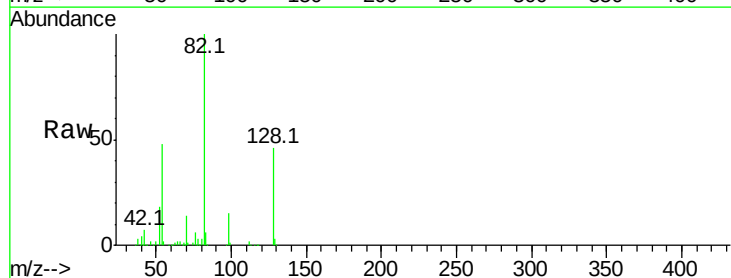
Instrument :
BNA_G
ClientSampleId :

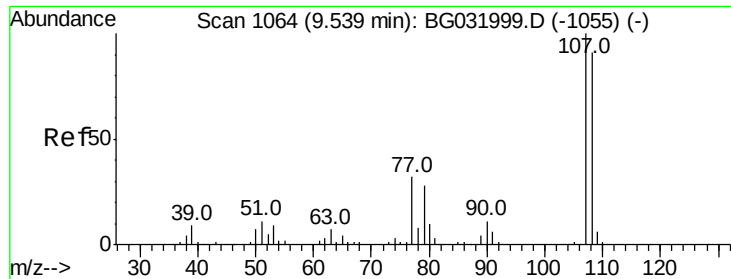
Tot Ion:	107	Resp:	6476
Ion	Ratio	Lower	Upper
107	100		
108	106.3	83.9	125.9
77	48.3	37.2	55.8
79	42.8	36.2	54.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.558 ng
RT: 9.93 min Scan# 1130
Delta R.T. 0.37 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

Tgt Ion:	70	Resp:	40148
Ion	Ratio	Lower	Upper
70	100		
42	49.8	49.1	73.7
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#

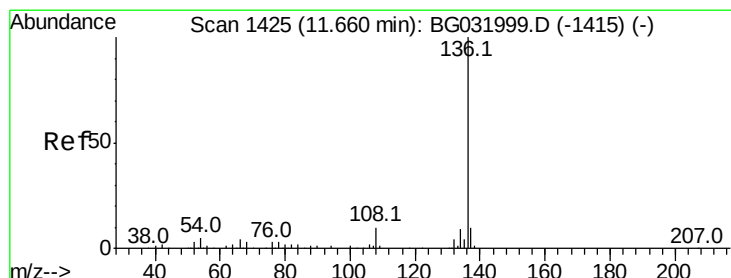
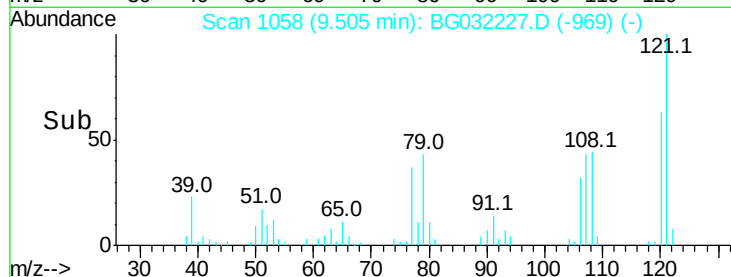
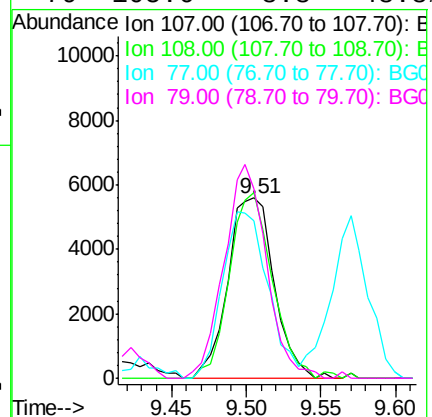
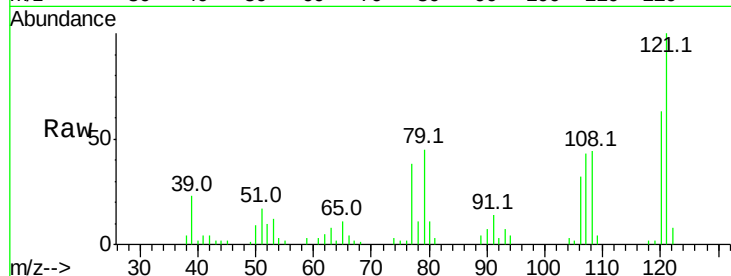




#20
3+4-Methylphenols
Concen: 3.667 ng
RT: 9.51 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

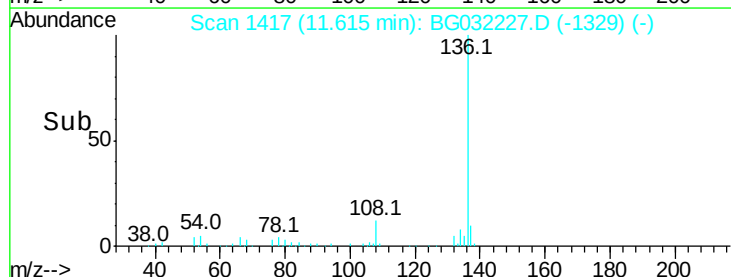
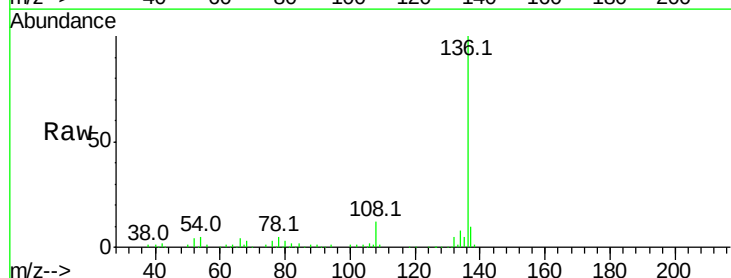
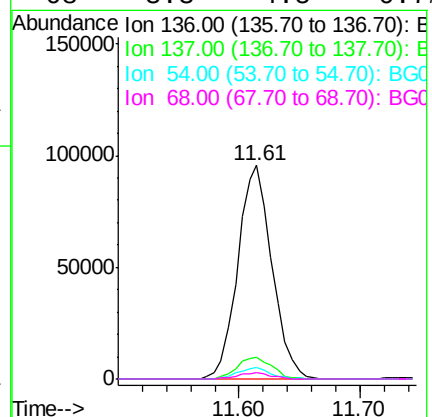
Instrument :
BNA_G
ClientSampleId :

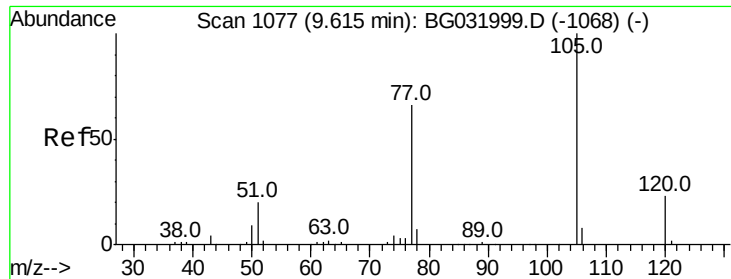
Tot Ion:107 Resp: 12037
Ion Ratio Lower Upper
107 100
108 103.0 61.6 101.6#
77 87.8 13.9 53.9#
79 105.6 8.8 48.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

Tgt Ion:136 Resp: 187501
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 5.1 10.3 15.5#
68 3.3 4.5 6.7#





#22

Acetophenone

Concen: 2.969 ng

RT: 9.57 min Scan# 1069

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 12647

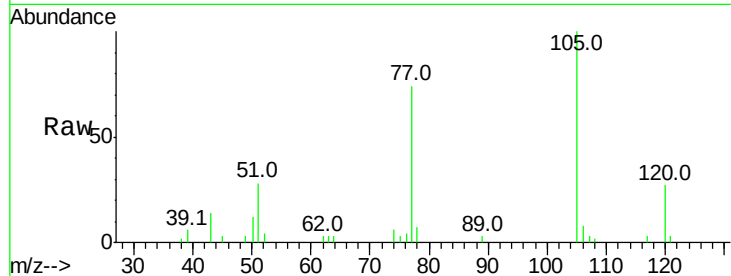
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 28.0 26.1 39.1

120 26.6 17.4 26.2#

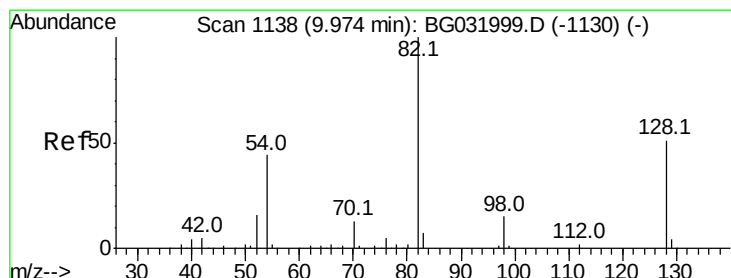
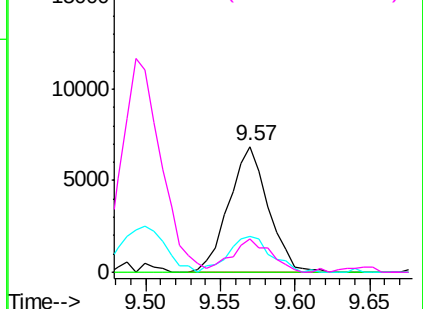
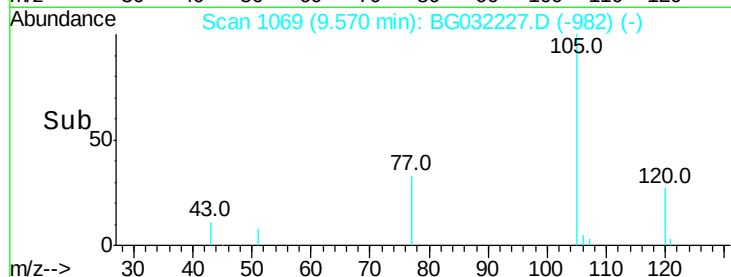


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 101.559 ng

RT: 9.93 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

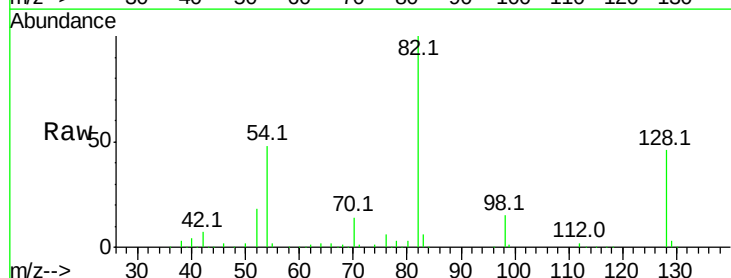
Tgt Ion: 82 Resp: 281466

Ion Ratio Lower Upper

82 100

128 46.3 29.7 44.5#

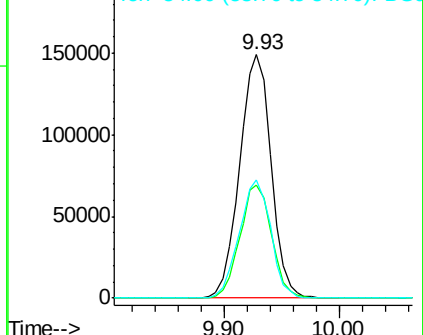
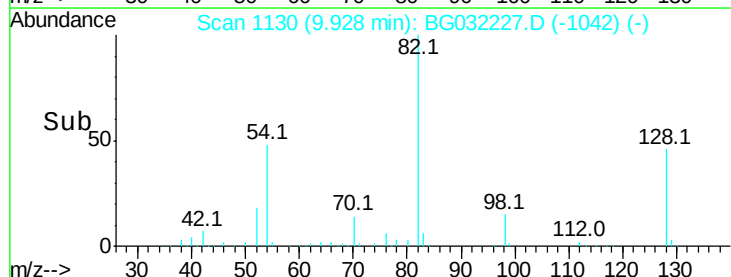
54 48.5 43.1 64.7

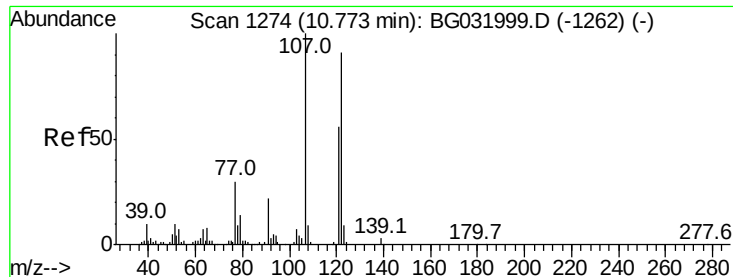


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

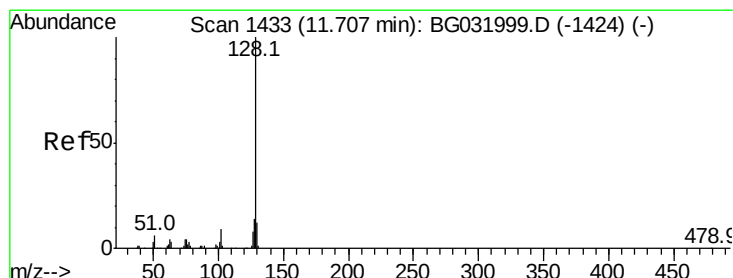
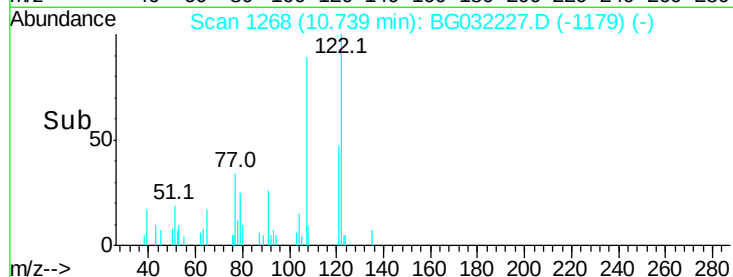
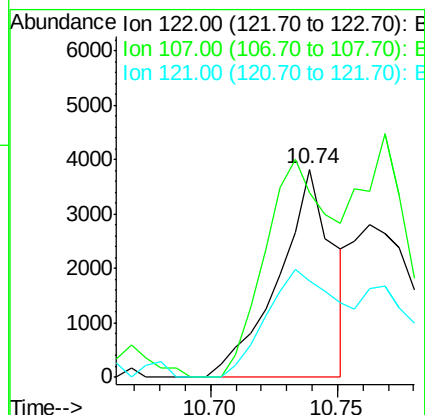
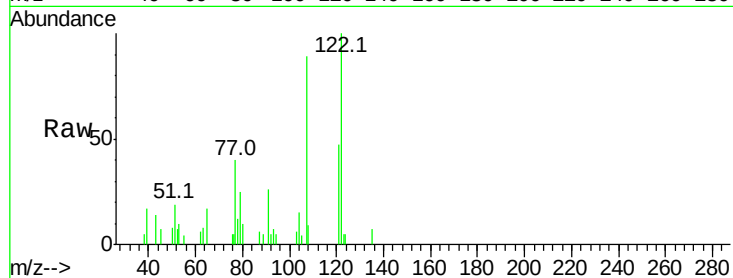




#27
 2,4-Dimethylphenol
 Concen: 2.190 ng
 RT: 10.74 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

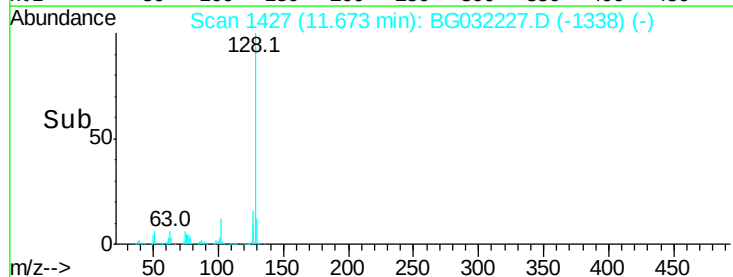
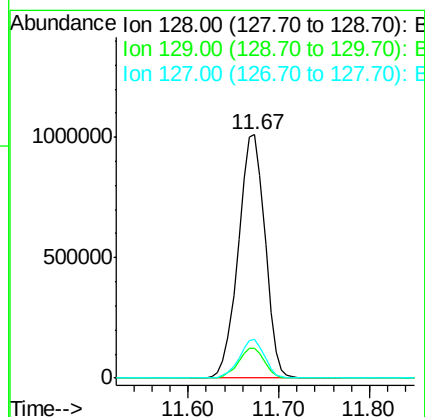
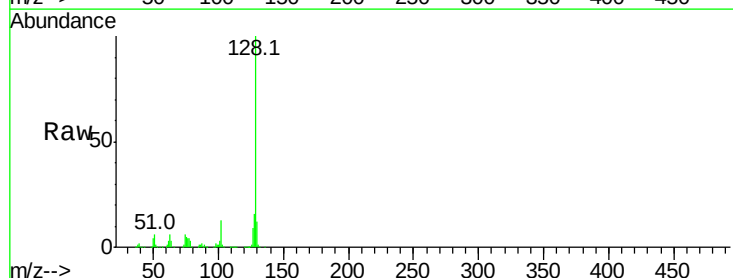
Instrument :
 BNA_G
 ClientSampleId :

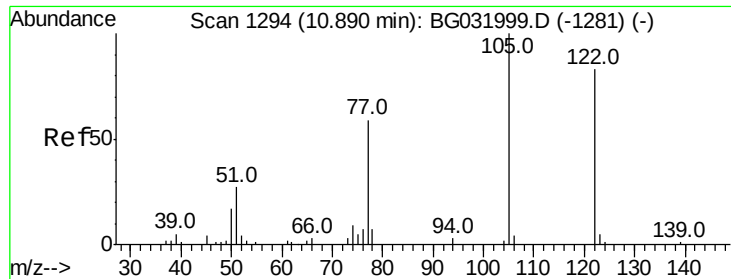
Tot Ion:122 Resp: 5693
 Ion Ratio Lower Upper
 122 100
 107 88.9 100.2 150.2#
 121 46.5 44.4 66.6



#31
 Naphthalene
 Concen: 222.878 ng
 RT: 11.67 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

Tgt Ion:128 Resp: 2070169
 Ion Ratio Lower Upper
 128 100
 129 12.4 8.6 12.8
 127 16.2 11.6 17.4

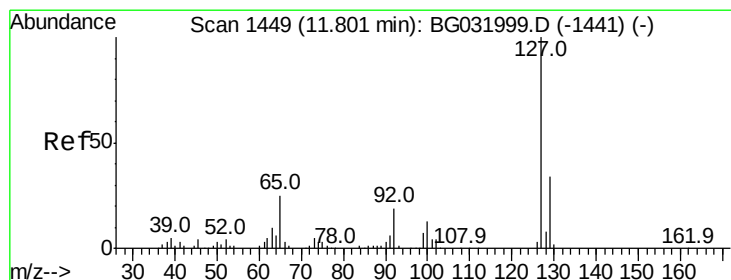
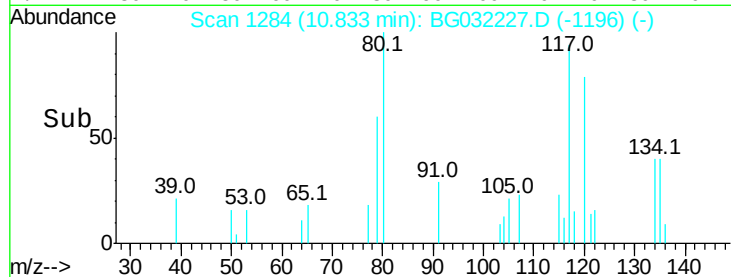
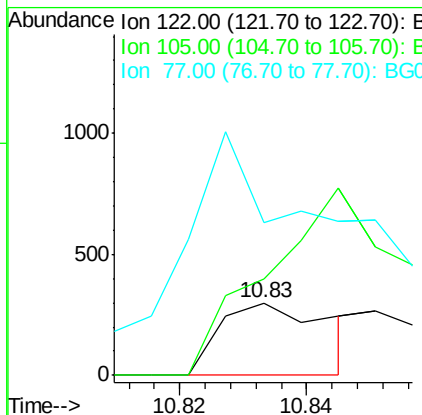
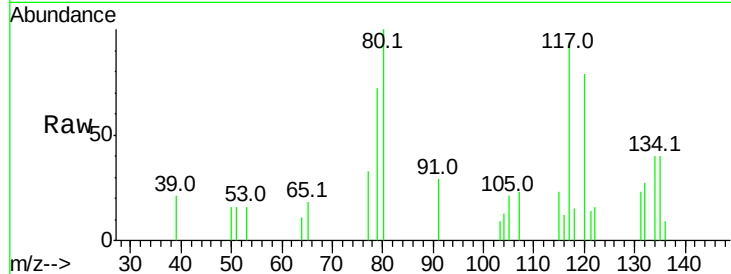




#32
Benzoic acid
Concen: 5.408 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

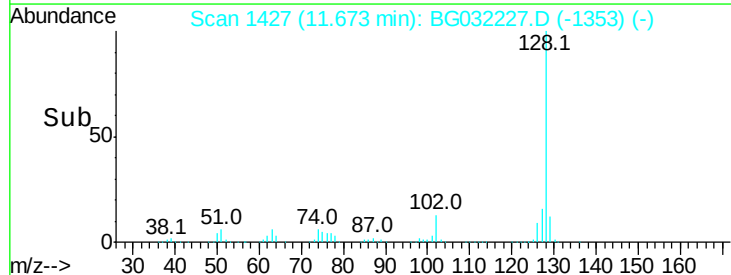
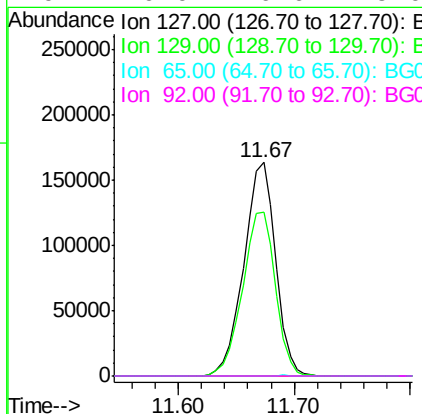
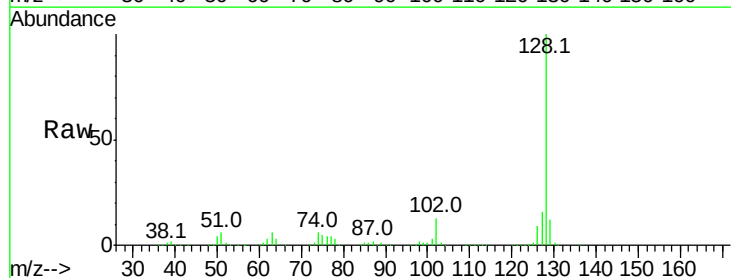
Instrument :
BNA_G
ClientSampleId :

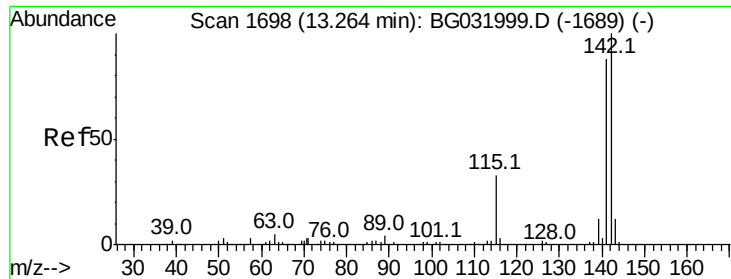
Tot Ion:122 Resp: 355
Ion Ratio Lower Upper
122 100
105 132.0 123.5 163.5
77 211.0 85.7 125.7#



#33
4-Chloroaniline
Concen: 78.399 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.09 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

Tgt Ion:127 Resp: 312268
Ion Ratio Lower Upper
127 100
129 76.7 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

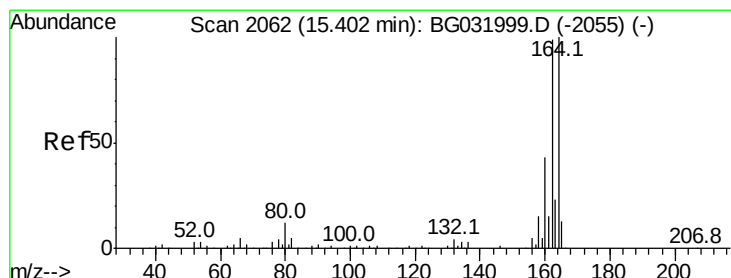
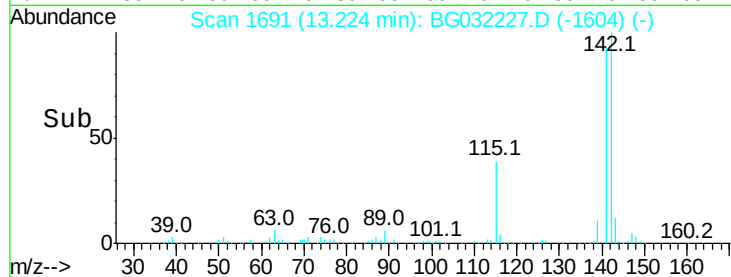
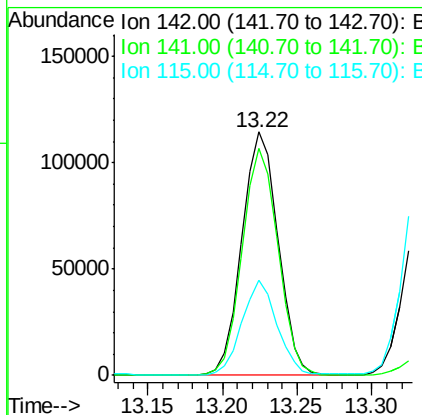
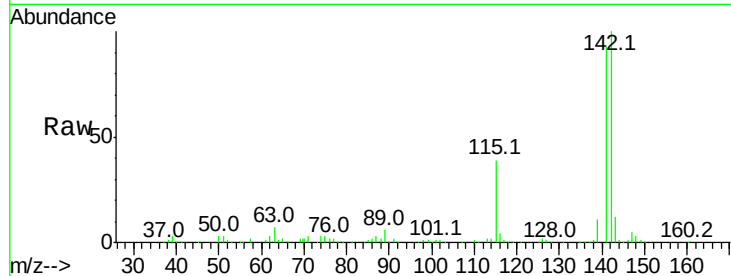




#37
 2-Methylnaphthalene
 Concen: 26.079 ng
 RT: 13.22 min Scan# 1691
 Delta R.T. -0.02 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

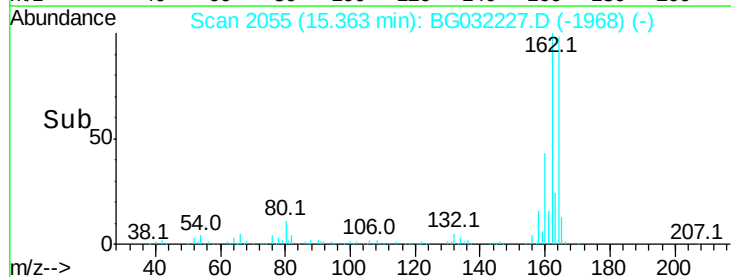
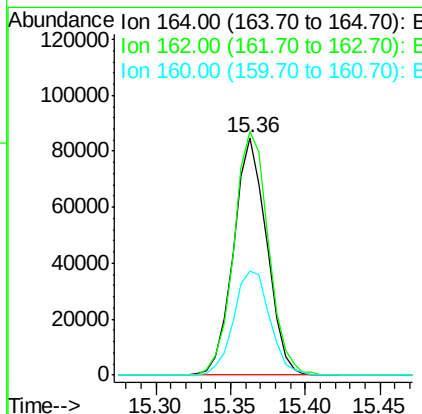
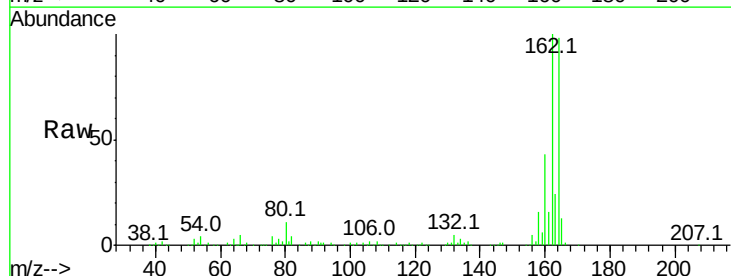
Instrument :
 BNA_G
 ClientSampleId :

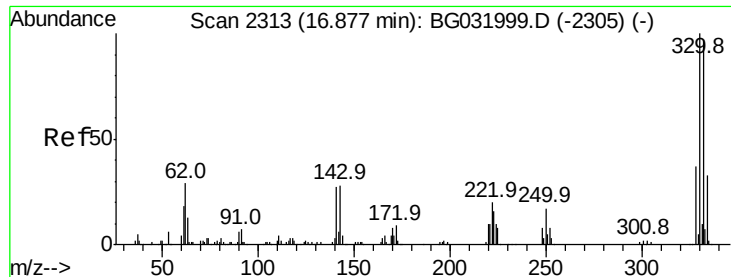
Tot Ion:142 Resp: 192311
 Ion Ratio Lower Upper
 142 100
 141 93.0 67.1 100.7
 115 39.3 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. -0.02 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

Tgt Ion:164 Resp: 131186
 Ion Ratio Lower Upper
 164 100
 162 102.4 78.8 118.2
 160 43.7 35.4 53.0

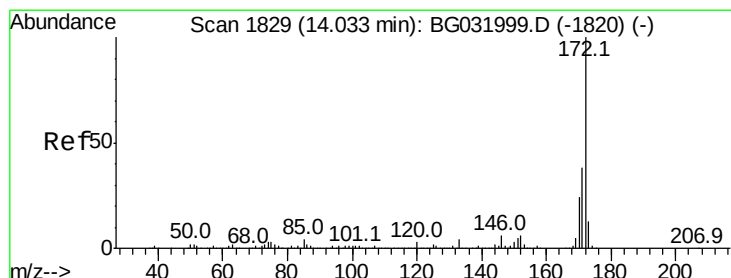
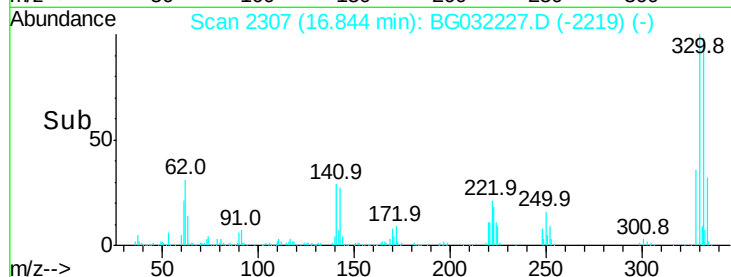
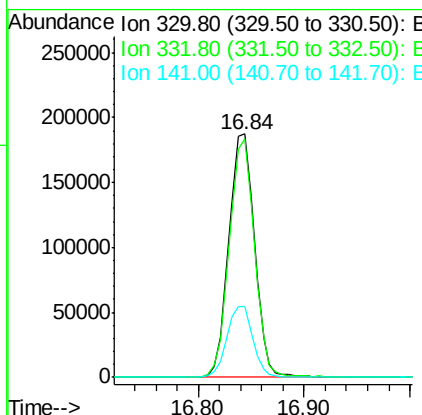
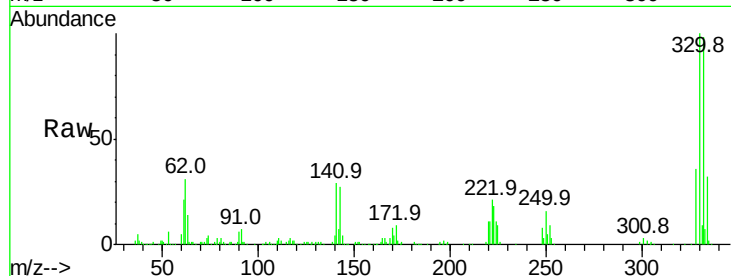




#41
 2,4,6-Tribromophenol
 Concen: 145.222 ng
 RT: 16.84 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

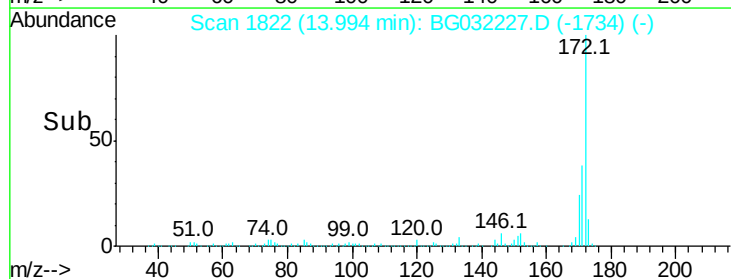
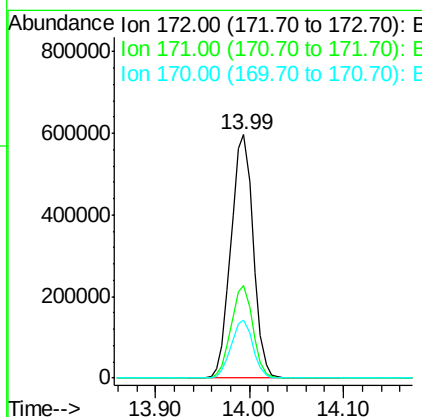
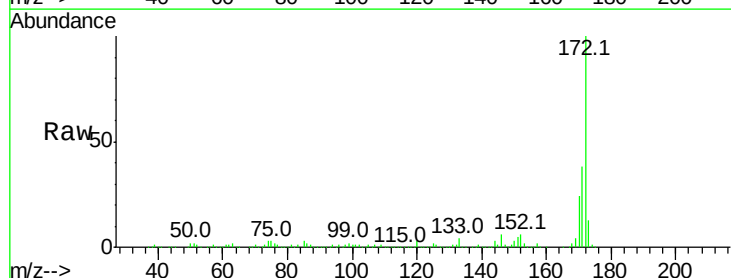
Instrument :
 BNA_G
 ClientSampleId :

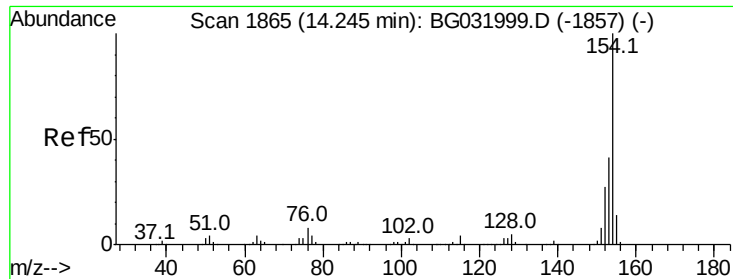
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	29.3	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 92.326 ng
 RT: 13.99 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	23.7	19.5	29.3

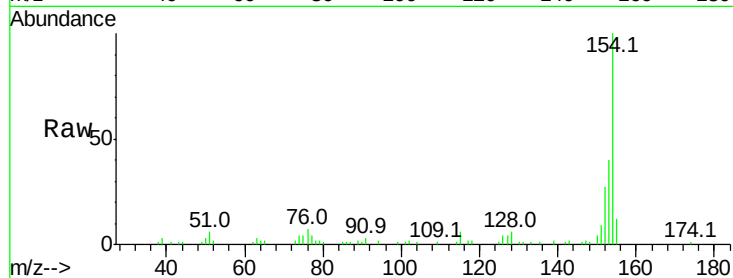




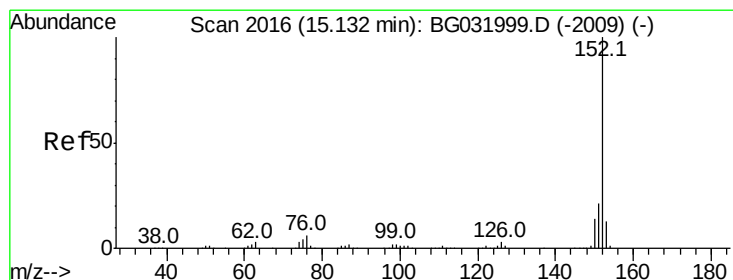
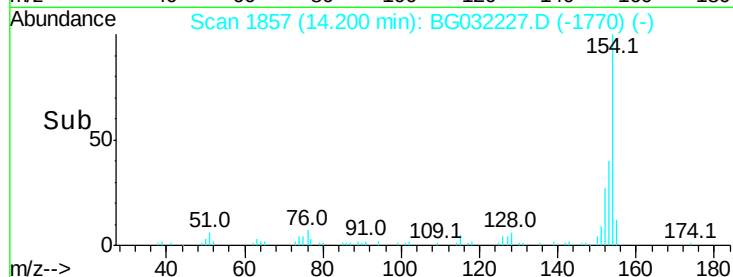
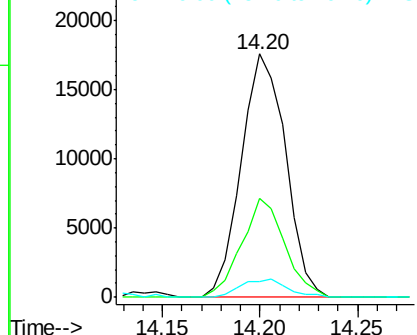
#45
 1,1'-Biphenyl
 Concen: 2.450 ng
 RT: 14.20 min Scan# 1857
 Delta R.T. -0.02 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.8	59.8
76	6.7	0.0	31.9

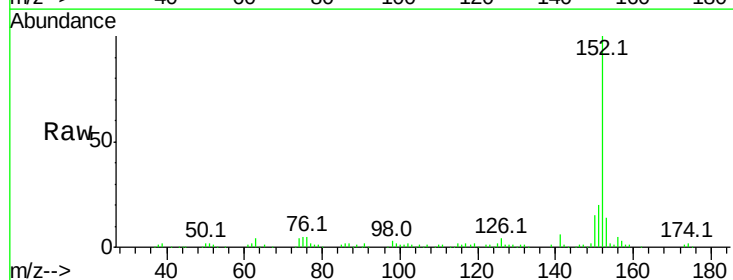


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

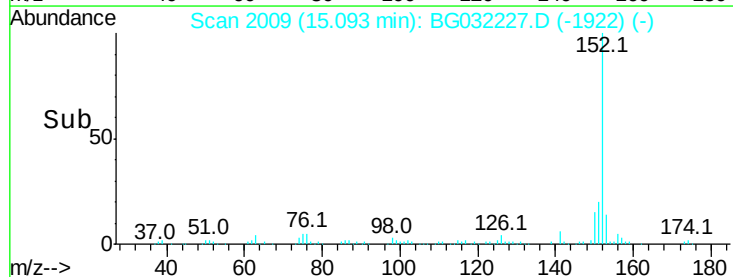
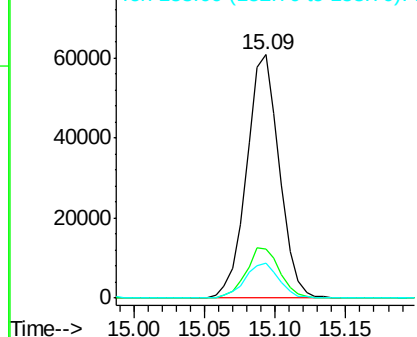


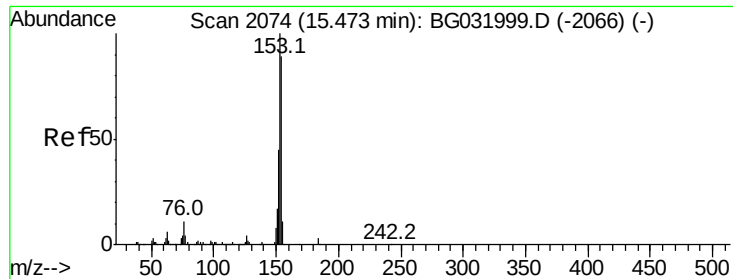
#48
 Acenaphthylene
 Concen: 7.388 ng
 RT: 15.09 min Scan# 2009
 Delta R.T. -0.02 min
 Lab File: BG032227.D
 Acq: 23 Jan 2018 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.2	25.8
153	14.3	10.2	15.4



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





#51

Acenaphthene

Concen: 5.125 ng

RT: 15.43 min Scan# 2066

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

Instrument :

BNA_G

ClientSampleId :

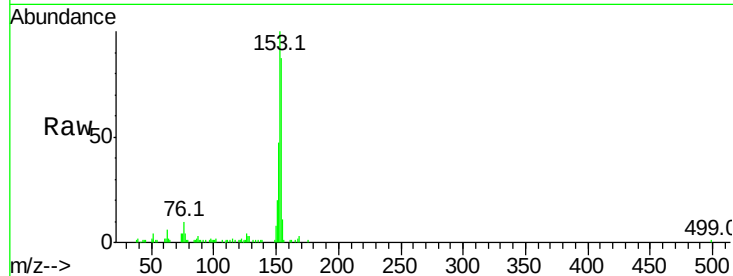
Tot Ion:154 Resp: 45145

Ion Ratio Lower Upper

154 100

153 115.1 90.4 135.6

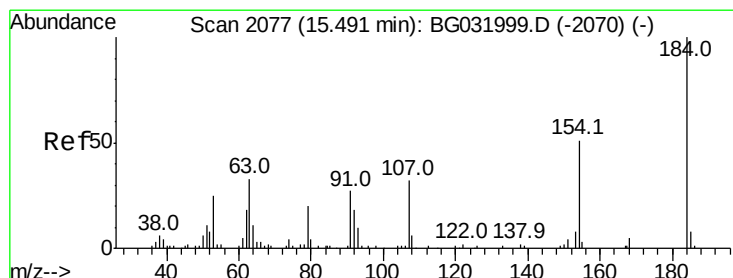
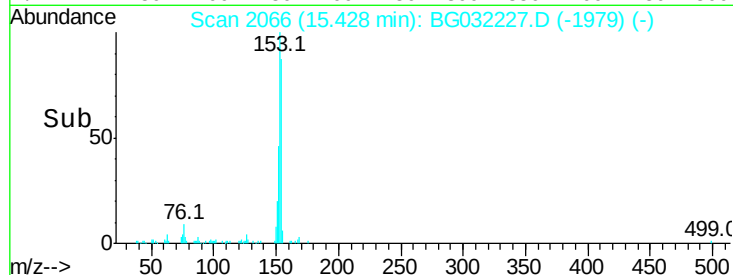
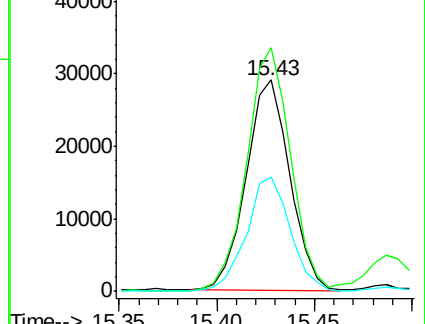
152 53.8 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.008 ng

RT: 15.55 min Scan# 2086

Delta R.T. 0.08 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

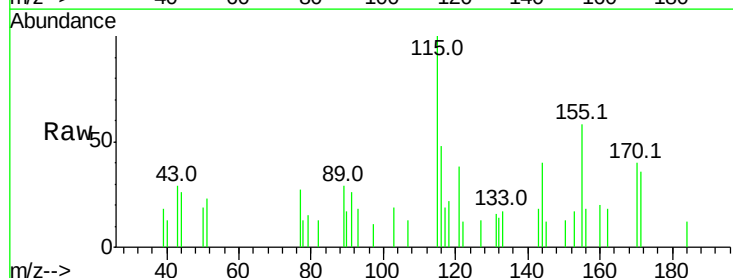
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

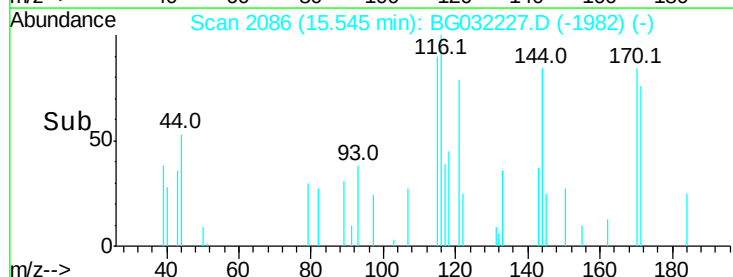
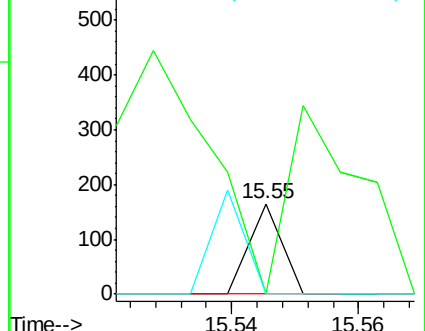
154 0.0 101.8 152.8#

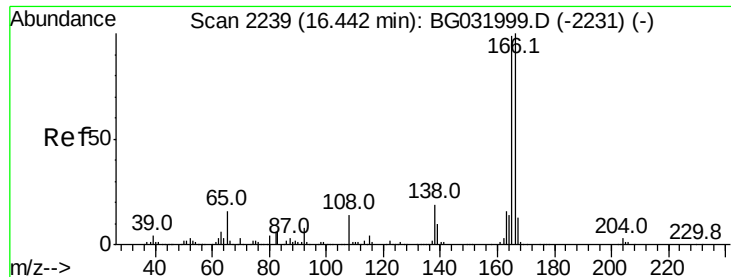


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: 4.704 ng

RT: 16.40 min Scan# 2231

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

Instrument :

BNA_G

ClientSampleId :

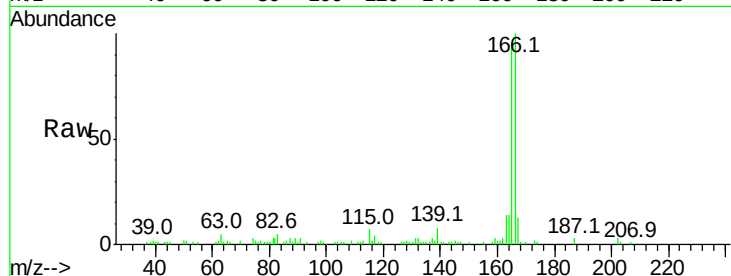
Tot Ion:166 Resp: 50705

Ion Ratio Lower Upper

166 100

165 94.7 80.6 121.0

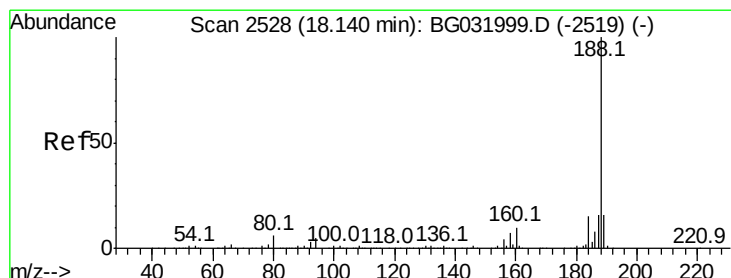
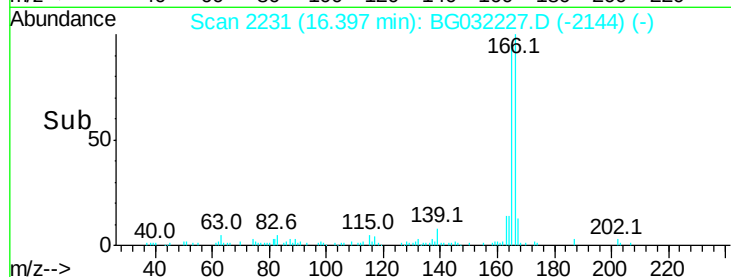
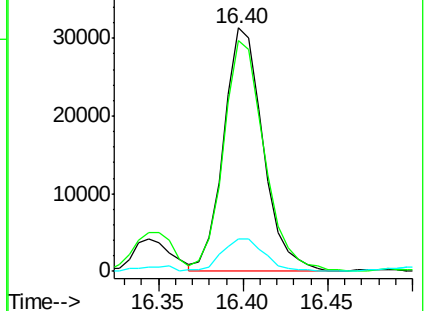
167 13.1 10.4 15.6



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.10 min Scan# 2520

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

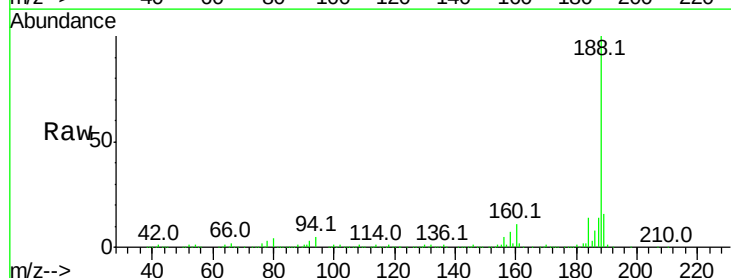
Tgt Ion:188 Resp: 322364

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

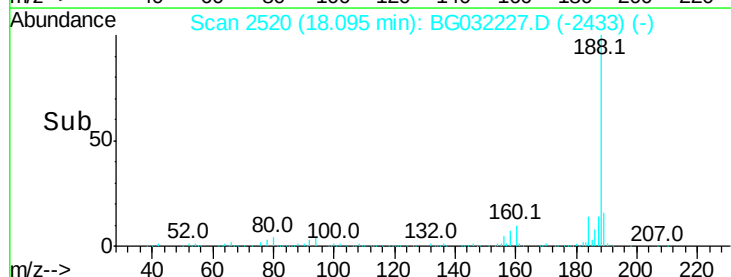
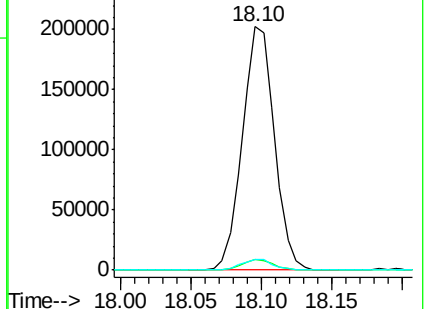
80 4.4 7.7 11.5#

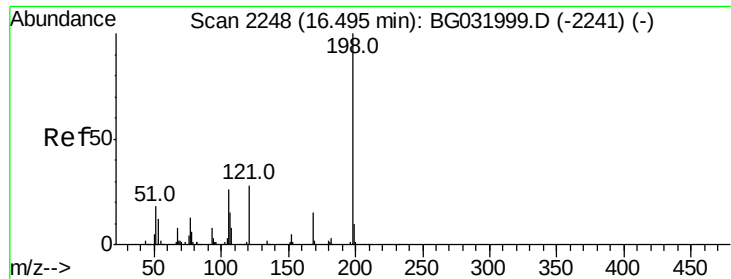


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

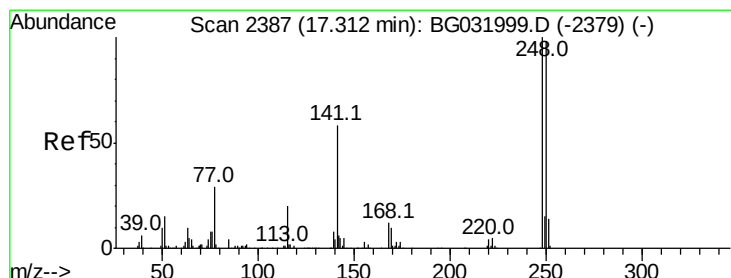
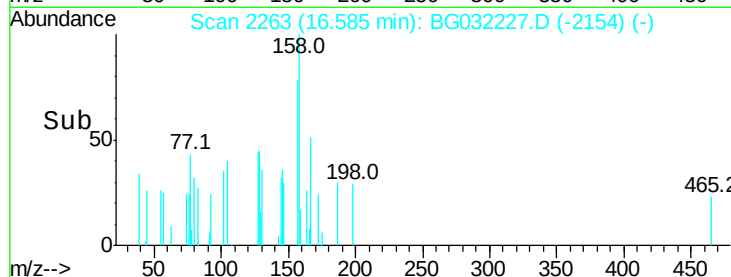
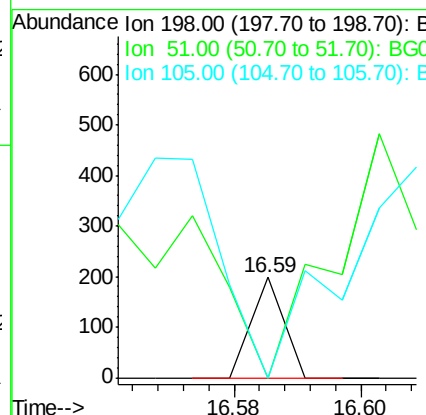
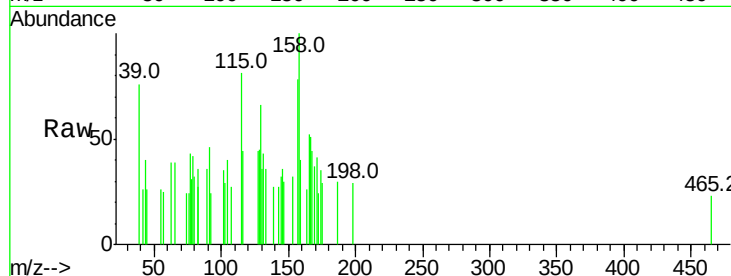




#64
4,6-Dinitro-2-methylphenol
Concen: 4.915 ng
RT: 16.59 min Scan# 2263
Delta R.T. 0.11 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

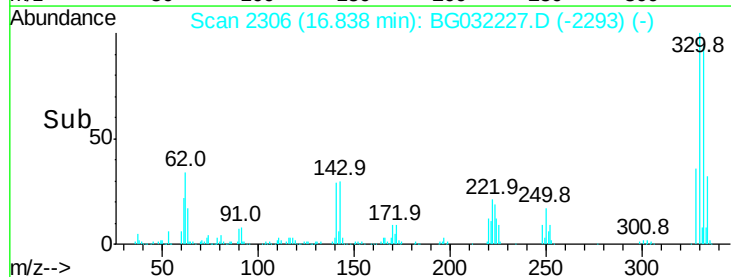
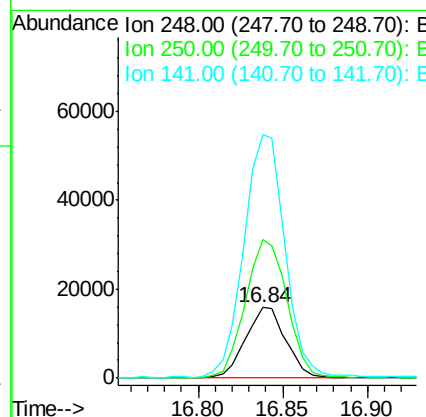
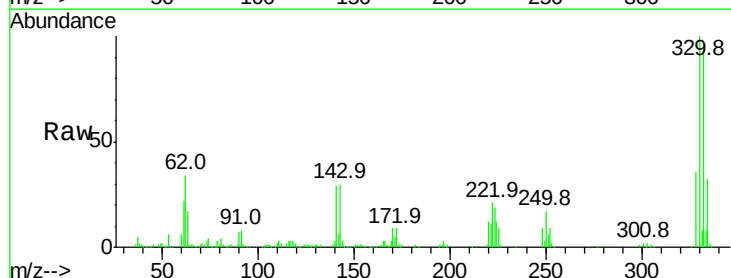
Instrument :
BNA_G
ClientSampleId :

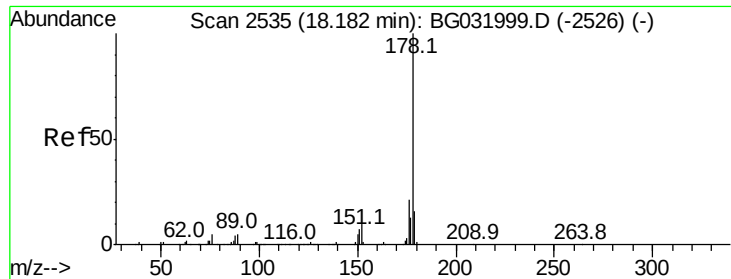
Tot Ion:198 Resp: 70
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#



#66
4-Bromophenyl-phenylether
Concen: 5.702 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.45 min
Lab File: BG032227.D
Acq: 23 Jan 2018 12:13

Tgt Ion:248 Resp: 26153
Ion Ratio Lower Upper
248 100
250 197.5 77.1 115.7#
141 345.7 50.8 76.2#





#70

Phenanthrene

Concen: 6.068 ng

RT: 18.14 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

Instrument :

BNA_G

ClientSampleId :

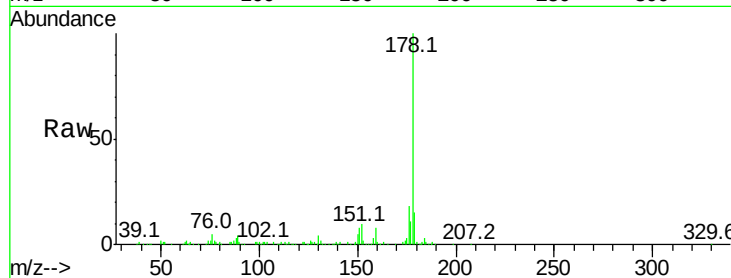
Tot Ion:178 Resp: 108913

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

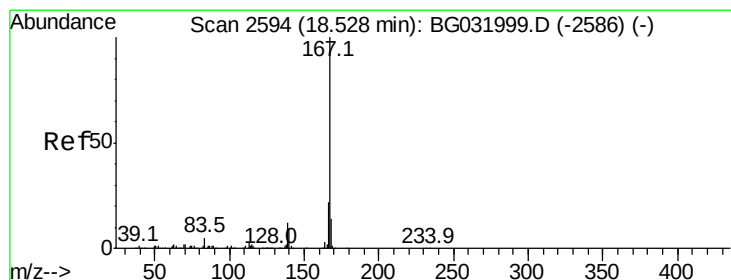
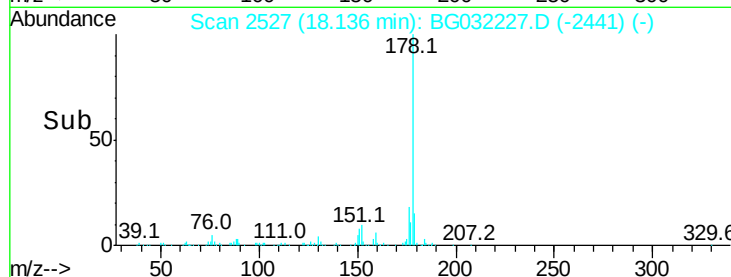
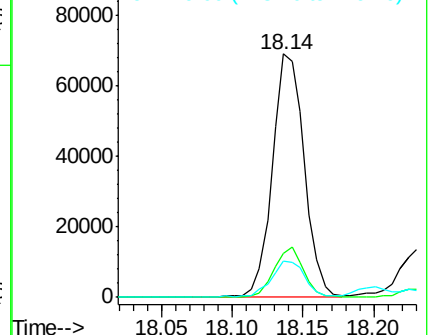
179 15.0 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 5.969 ng

RT: 18.49 min Scan# 2587

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

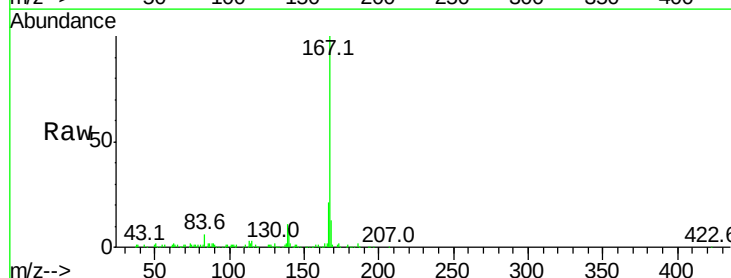
Tgt Ion:167 Resp: 92700

Ion Ratio Lower Upper

167 100

166 21.0 18.2 27.4

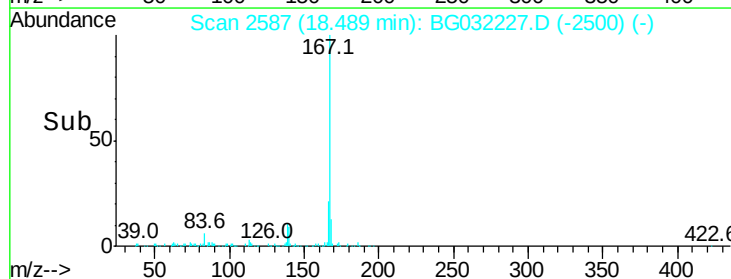
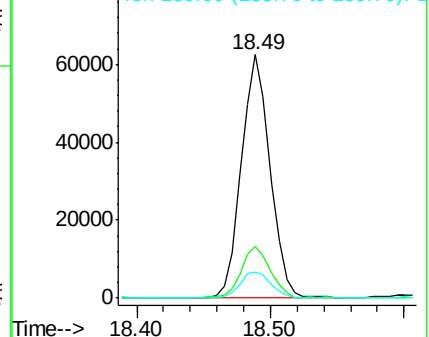
139 10.6 9.4 14.2

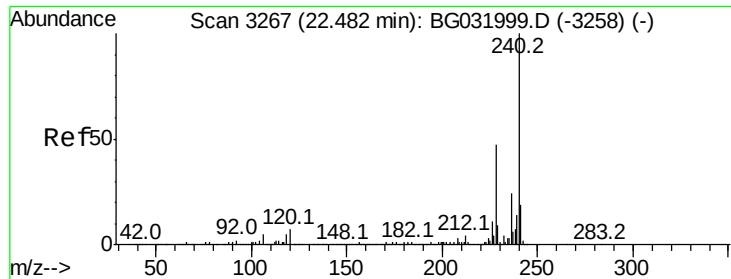


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.43 min Scan# 3258

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

Instrument :

BNA_G

ClientSampleId :

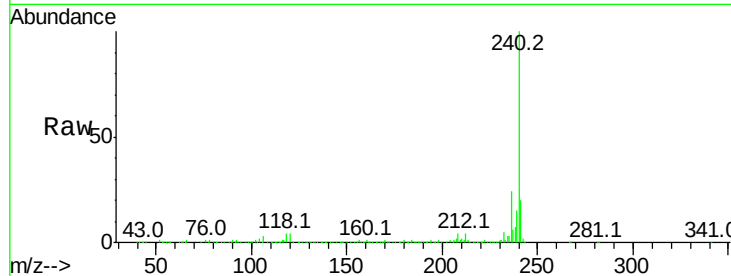
Tot Ion:240 Resp: 418967

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

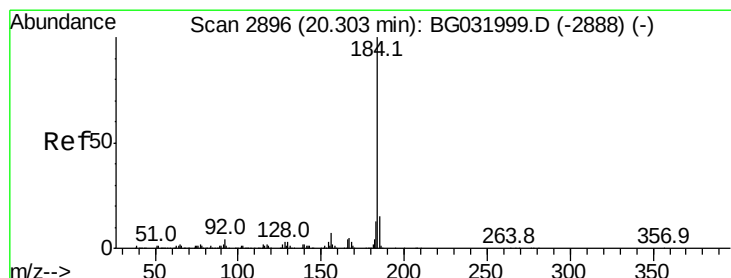
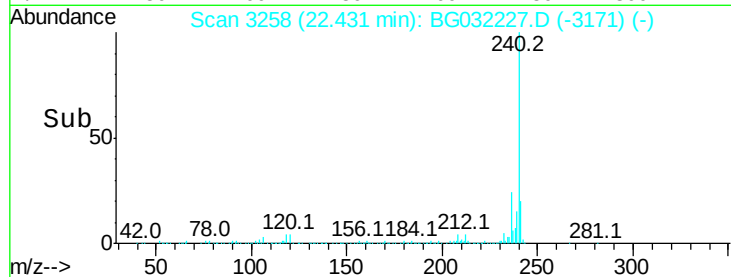
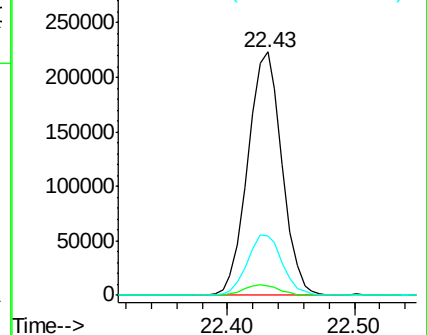
236 24.5 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.545 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.36 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

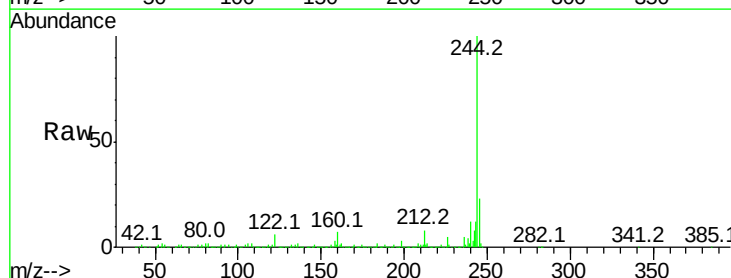
Tgt Ion:184 Resp: 26668

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

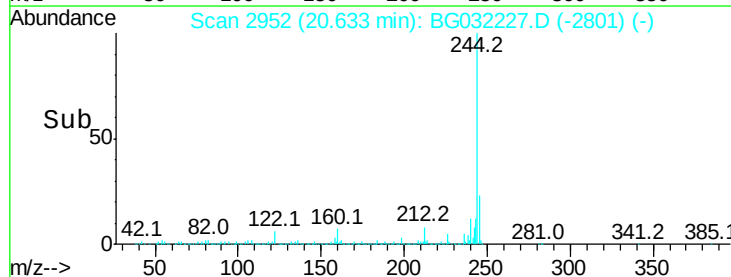
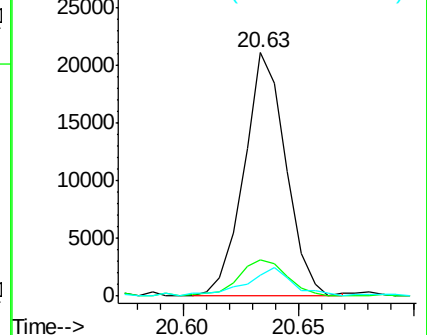
183 8.6 10.6 16.0#

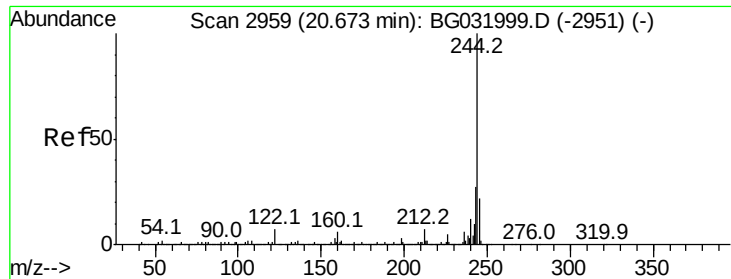


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.065 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.02 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

Instrument :

BNA_G

ClientSampleId :

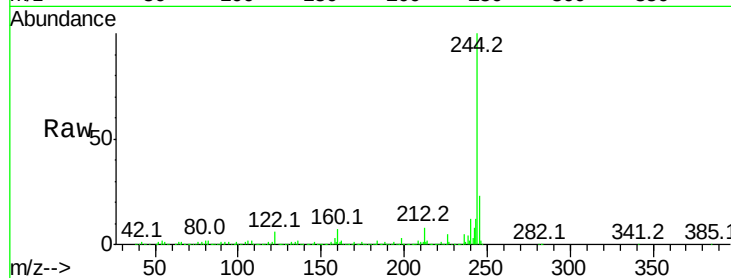
Tot Ion:244 Resp: 1765865

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

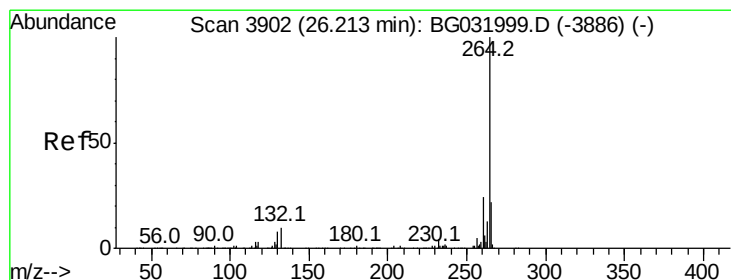
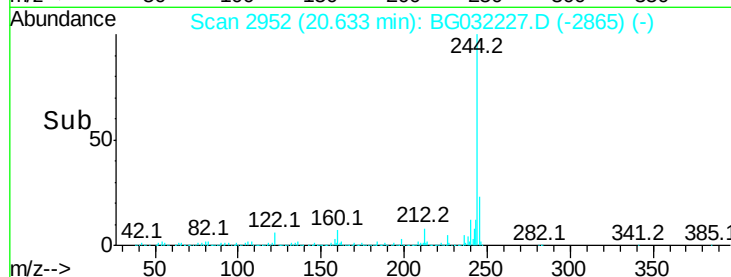
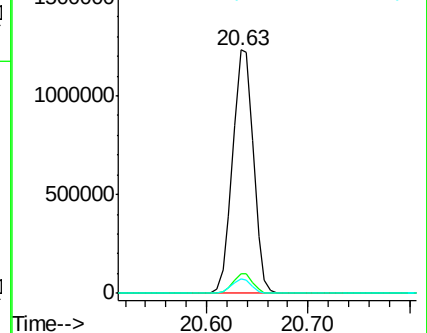
122 6.0 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.12 min Scan# 3885

Delta R.T. -0.04 min

Lab File: BG032227.D

Acq: 23 Jan 2018 12:13

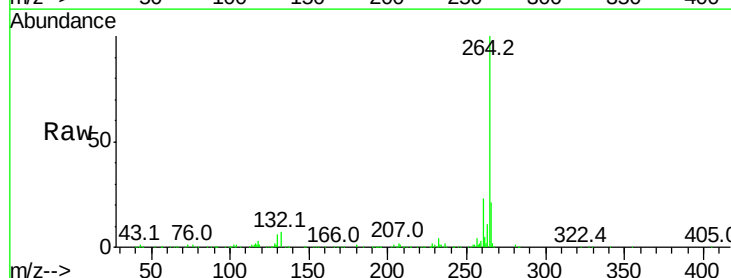
Tgt Ion:264 Resp: 452111

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 20.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

