

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032228.D
 Acq On : 23 Jan 2018 12:51
 Operator : SJ/JU
 Sample : J1239-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:54:31 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	14164	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	58128	20.00	ng	-0.02
38) Acenaphthene-d10	15.37	164	38169	20.00	ng	-0.02
63) Phenanthrene-d10	18.09	188	93380	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	113073	20.00	ng	-0.02
86) Perylene-d12	26.12	264	119465	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	94132	121.55	ng	-0.01
7) Phenol-d6	7.84	99	105640	108.31	ng	-0.01
23) Nitrobenzene-d5	9.92	82	80433	93.61	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	80319	127.17	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	285454	92.73	ng	-0.02
78) Terphenyl-d14	20.63	244	534954	104.46	ng	-0.02

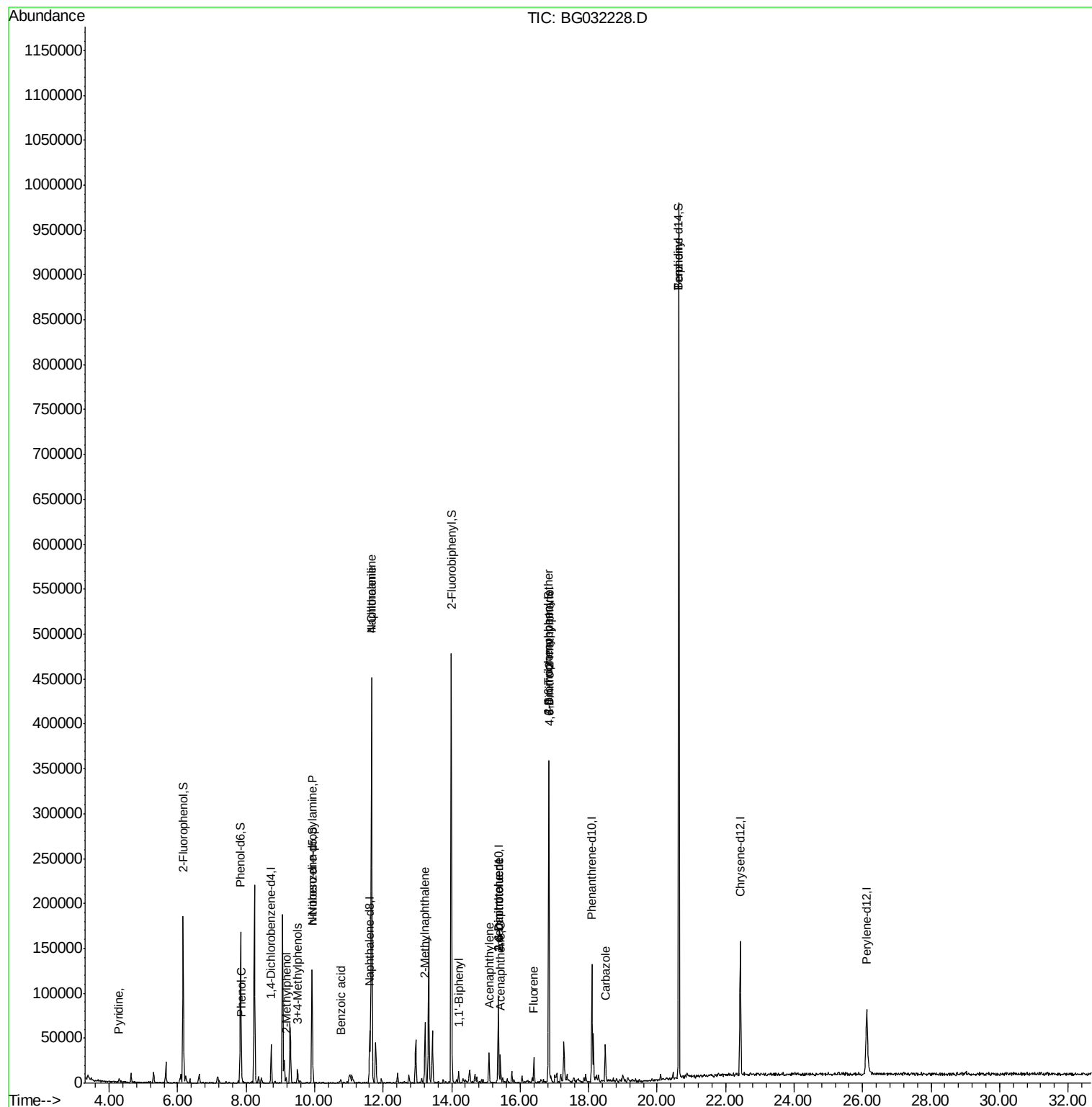
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	4.28	79	2124	2.674	ng	88
10) Phenol	7.87	94	3343	3.479	ng	86
17) 2-Methylphenol	9.17	107	2172	2.958	ng	93
19) n-Nitroso-di-n-propylamine	9.92	70	11150	18.425	ng	# 73
20) 3+4-Methylphenols	9.50	107	6302	6.195	ng	88
31) Naphthalene	11.66	128	417174	144.876	ng	97
32) Benzoic acid	10.76	122	909	6.508	ng	# 1
33) 4-Chloroaniline	11.66	127	59847	48.467	ng	# 37
37) 2-Methylnaphthalene	13.22	142	32917	14.399	ng	96
45) 1,1'-Biphenyl	14.20	154	7188	2.197	ng	90
48) Acenaphthylene	15.09	152	24103	6.218	ng	93
50) 2,6-Dinitrotoluene	15.36	165	4738	6.834	ng	# 18
51) Acenaphthene	15.42	154	13051	5.092	ng	93
56) 2,4-Dinitrotoluene	15.36	165	4738	5.076	ng	# 16
57) Fluorene	16.40	166	14773	4.711	ng	# 84
64) 4,6-Dinitro-2-methylphenol	16.85	198	74	4.996	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	6787	5.108	ng	# 1
72) Carbazole	18.49	167	32089	7.134	ng	# 93
76) Benzidine	20.63	184	7520	2.660	ng	# 93

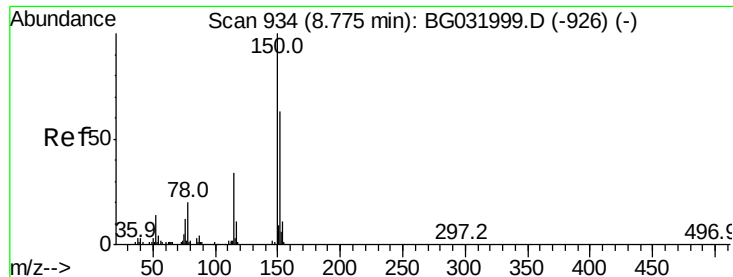
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
Data File : BG032228.D
Acq On : 23 Jan 2018 12:51
Operator : SJ/JU
Sample : J1239-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 24 02:54:31 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



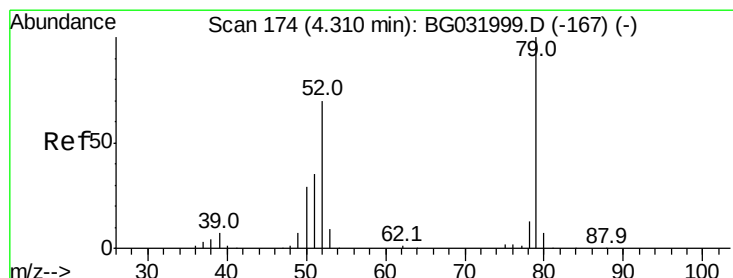
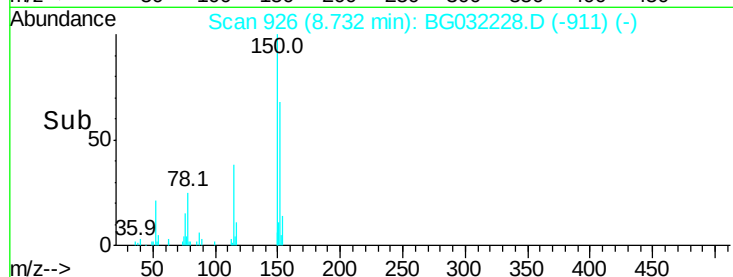
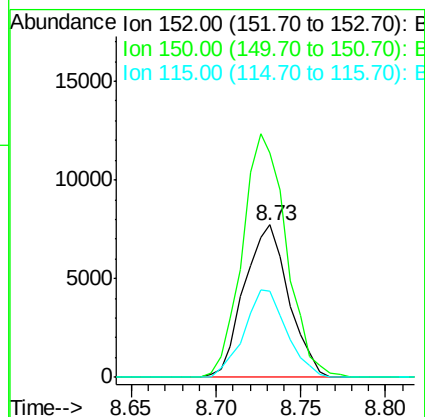
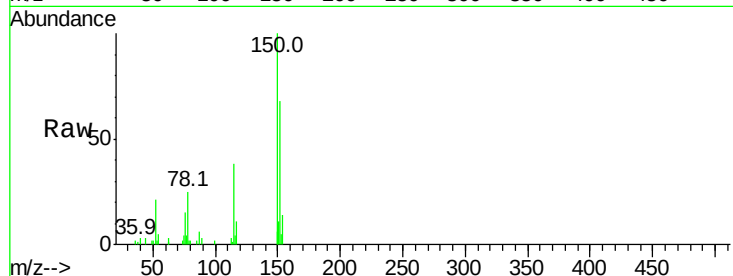


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 926
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Instrument :
BNA_G
ClientSampleId :

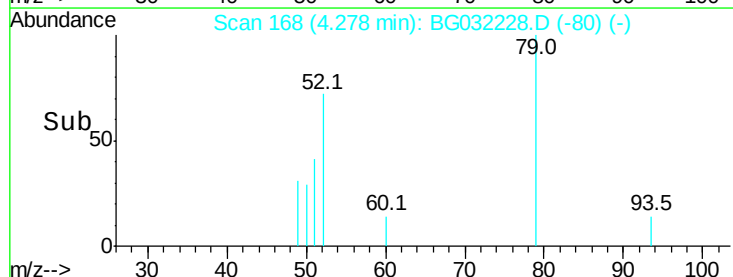
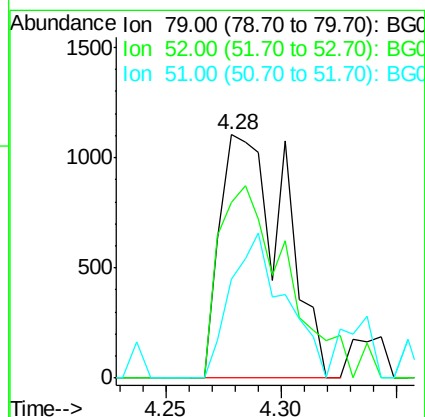
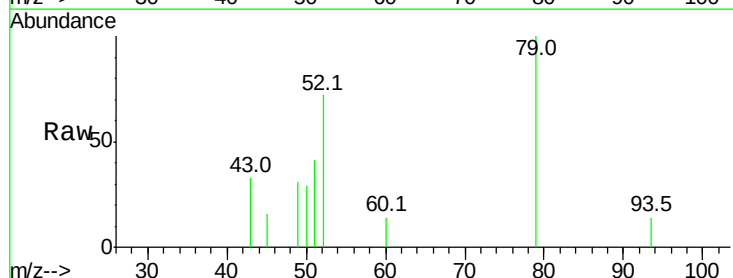
Tot Ion:152 Resp: 14164
Ion Ratio Lower Upper
152 100
150 147.4 126.6 189.8
115 56.6 53.0 79.4

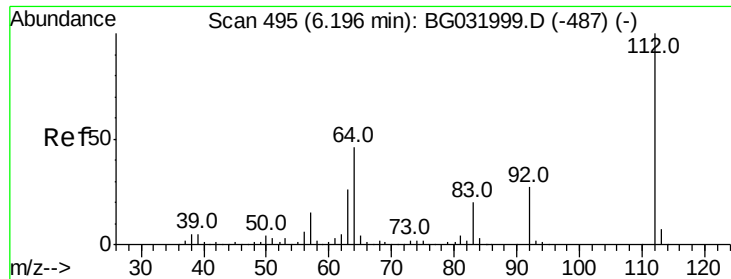


#3

Pyridine
Concen: 2.674 ng
RT: 4.28 min Scan# 168
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion: 79 Resp: 2124
Ion Ratio Lower Upper
79 100
52 72.3 69.9 104.9
51 40.7 34.0 51.0





#5

2-Fluorophenol

Concen: 121.548 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampled :

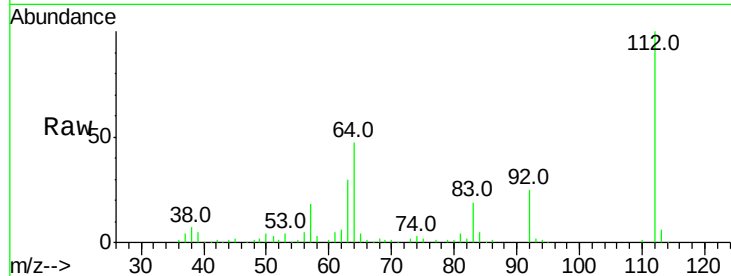
Tot Ion:112 Resp: 94132

Ion Ratio Lower Upper

112 100

64 47.4 56.3 84.5#

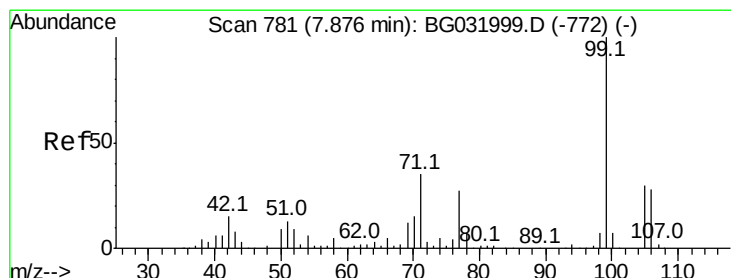
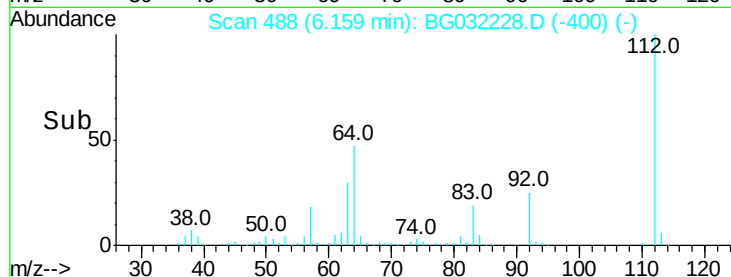
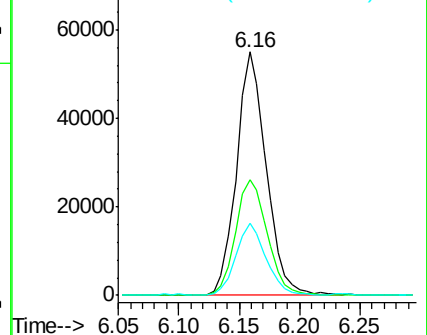
63 29.7 30.1 45.1#



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: 108.309 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.01 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

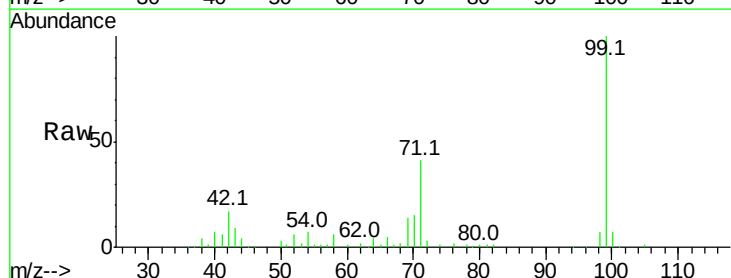
Tgt Ion: 99 Resp: 105640

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

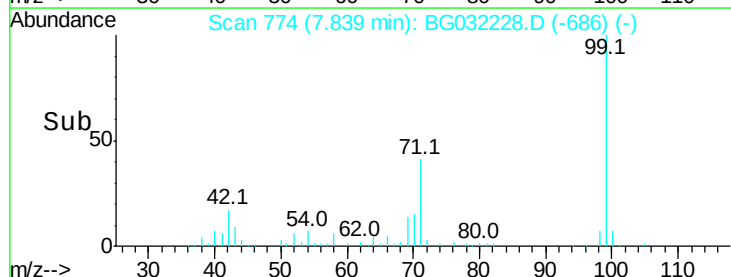
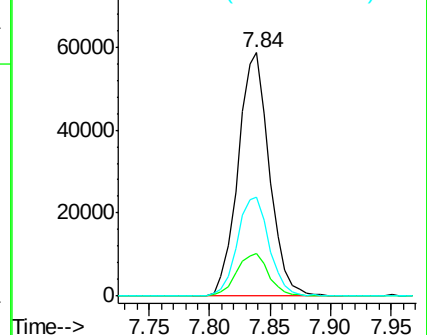
71 40.6 26.1 39.1#

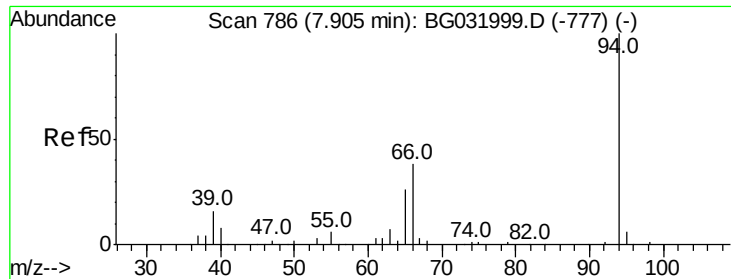


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

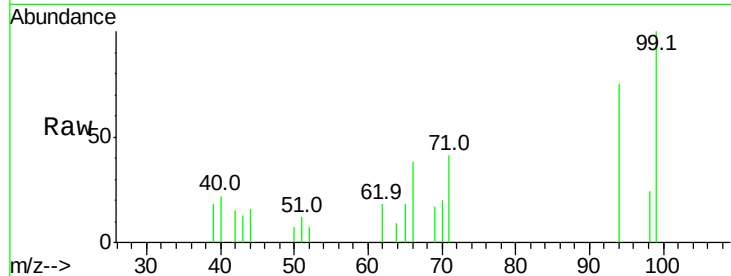




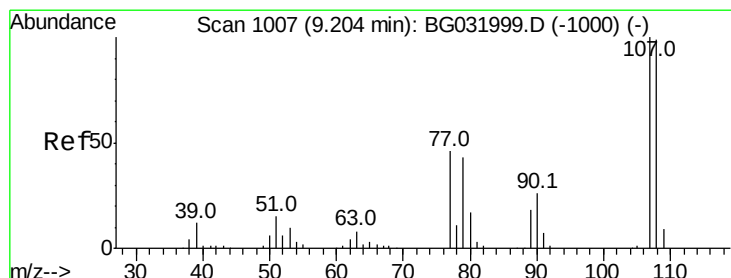
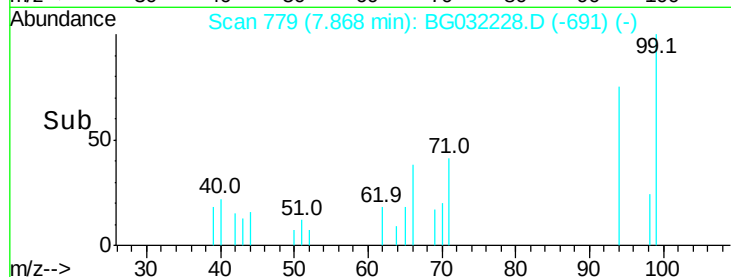
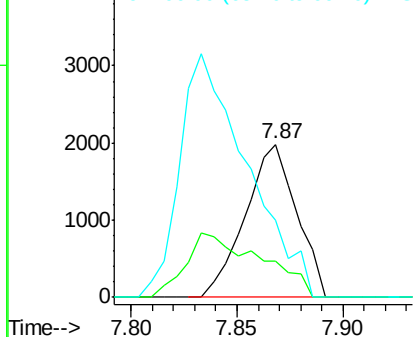
#10
Phenol
Concen: 3.479 ng
RT: 7.87 min Scan# 779
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 94 Resp: 3343
Ion Ratio Lower Upper
94 100
65 24.0 11.9 51.9
66 50.9 22.2 62.2

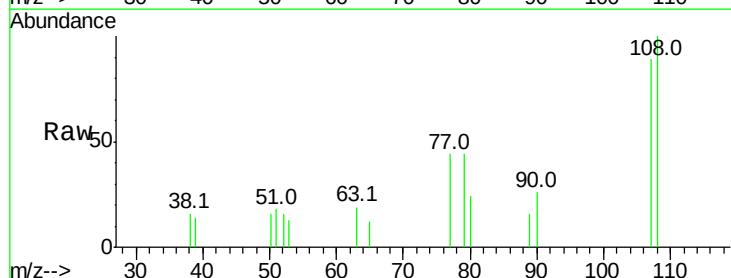


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

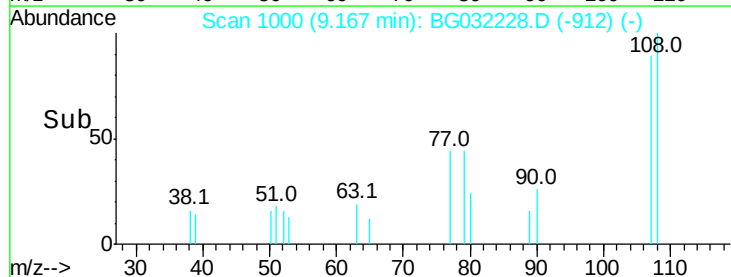
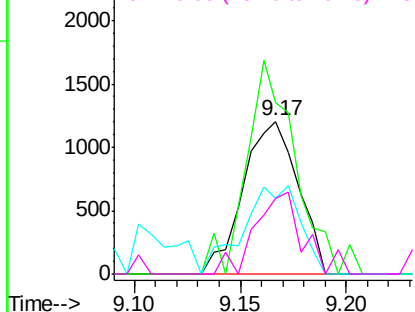


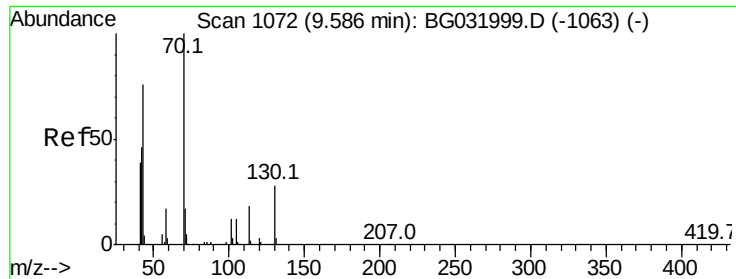
#17
2-Methylphenol
Concen: 2.958 ng
RT: 9.17 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion: 107 Resp: 2172
Ion Ratio Lower Upper
107 100
108 112.8 83.9 125.9
77 49.6 37.2 55.8
79 49.5 36.2 54.2



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

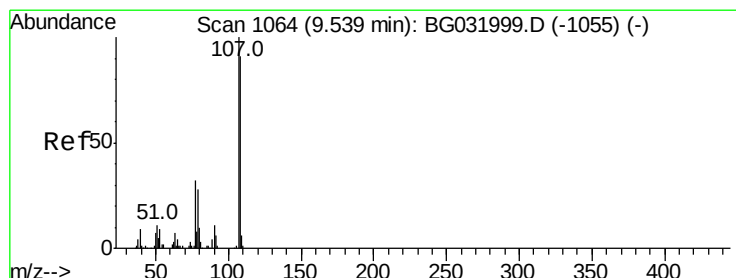
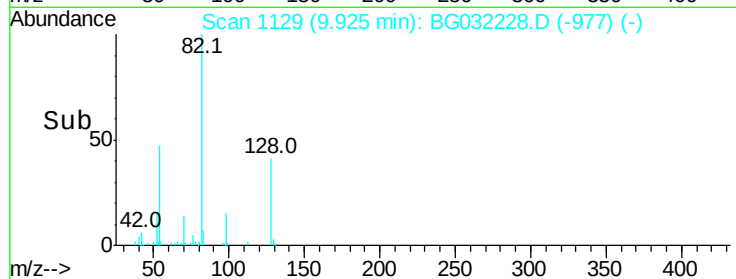
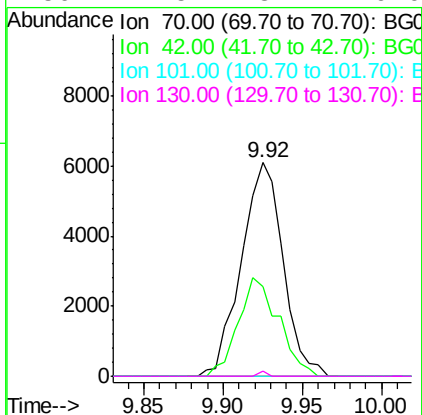
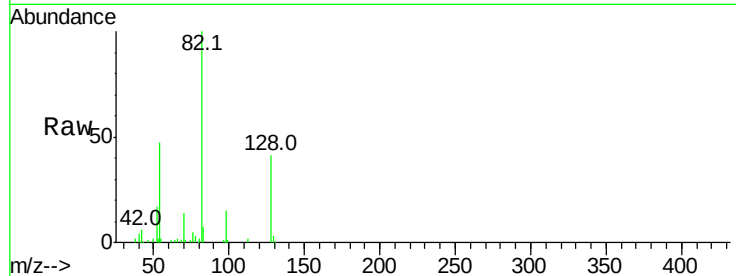




#19
n-Nitroso-di-n-propylamine
Concen: 18.425 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.37 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

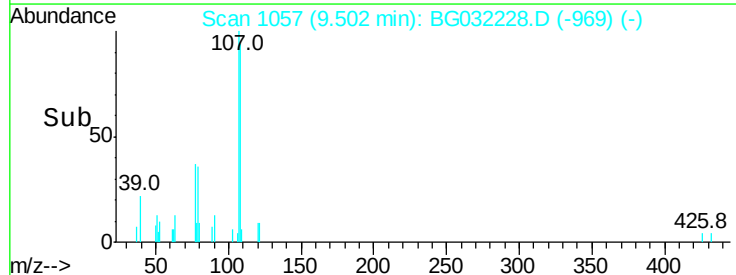
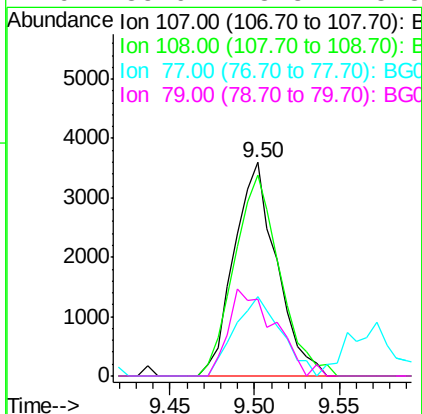
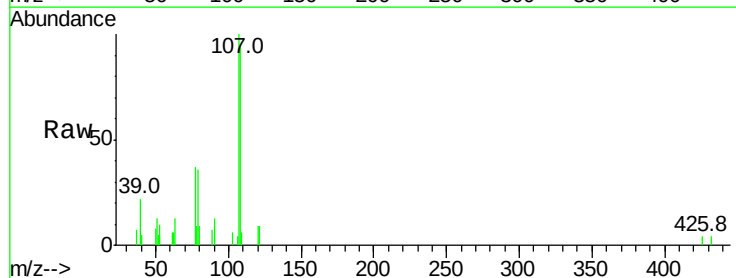
Instrument :
BNA_G
ClientSampleId :

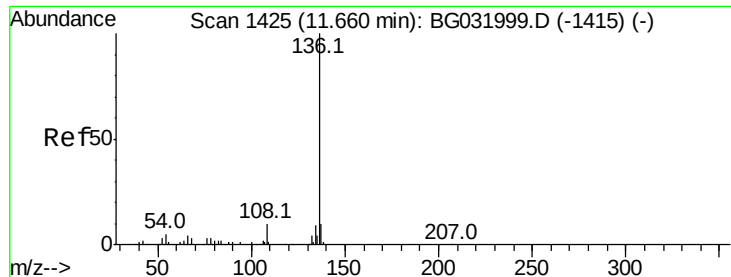
Tot Ion: 70 Resp: 11150
Ion Ratio Lower Upper
70 100
42 41.7 49.1 73.7#
101 0.0 8.5 12.7#
130 2.5 13.4 20.0#



#20
3+4-Methylphenols
Concen: 6.195 ng
RT: 9.50 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion: 107 Resp: 6302
Ion Ratio Lower Upper
107 100
108 93.9 61.6 101.6
77 37.3 13.9 53.9
79 35.9 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.61 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 58128

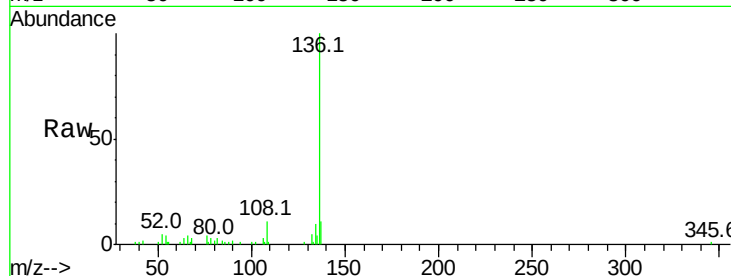
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 4.2 10.3 15.5#

68 3.3 4.5 6.7#

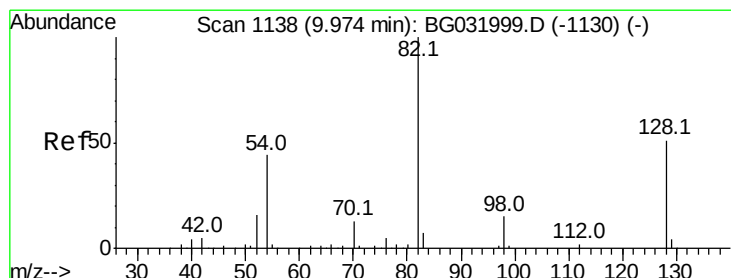
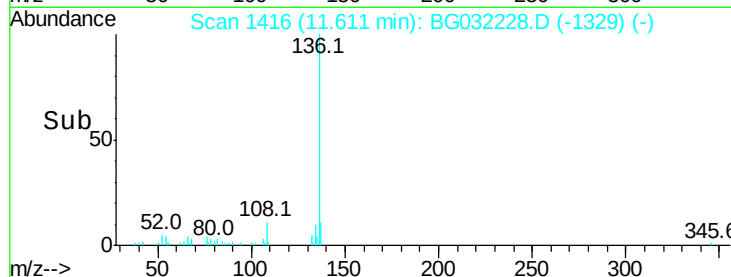
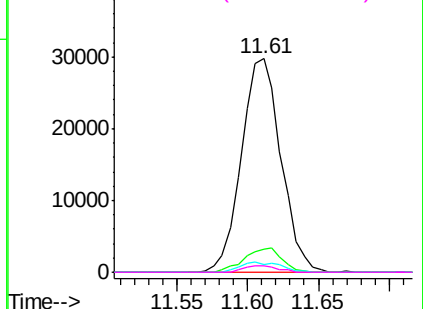


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 93.615 ng

RT: 9.92 min Scan# 1129

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

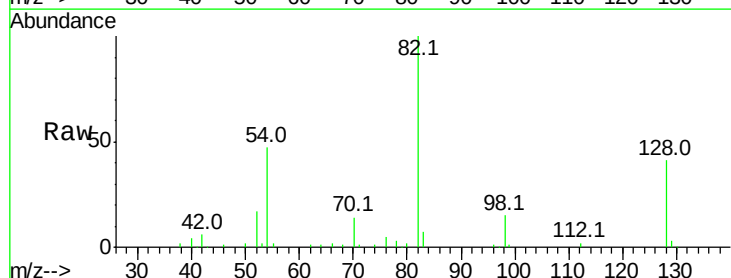
Tgt Ion: 82 Resp: 80433

Ion Ratio Lower Upper

82 100

128 40.6 29.7 44.5

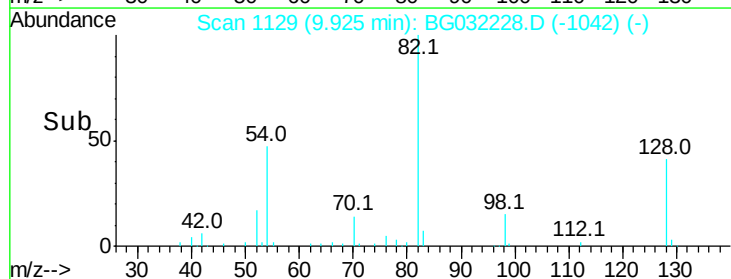
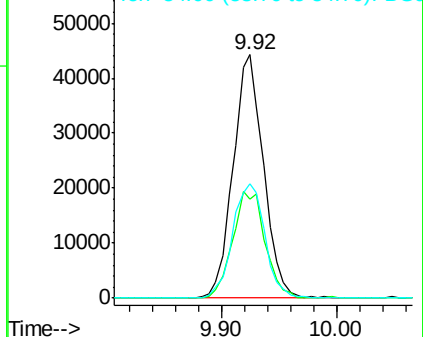
54 47.1 43.1 64.7

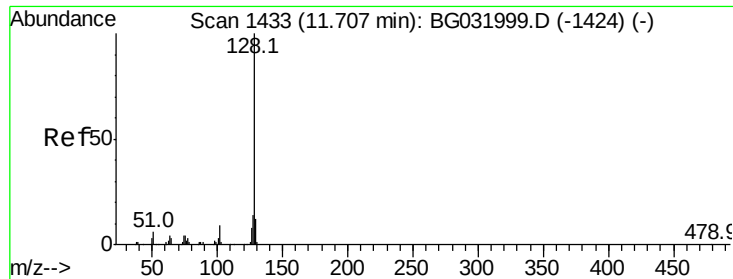


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

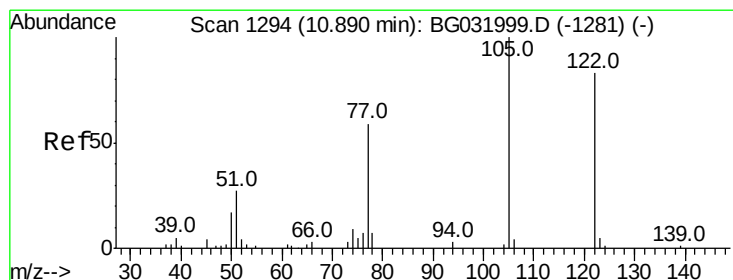
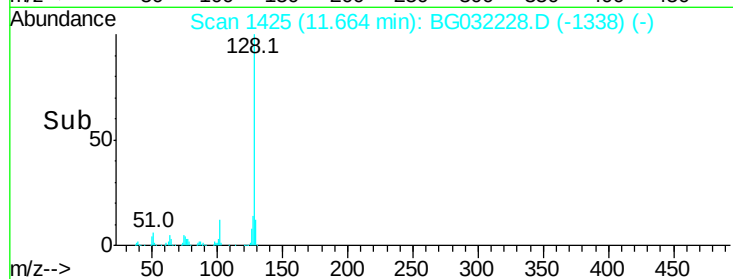
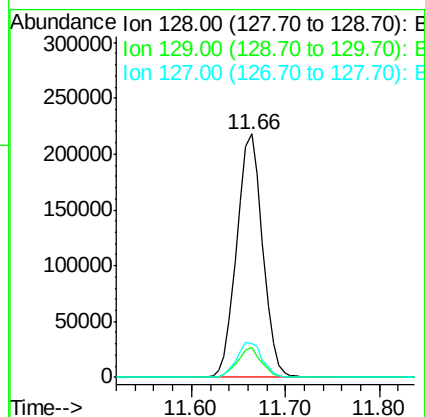
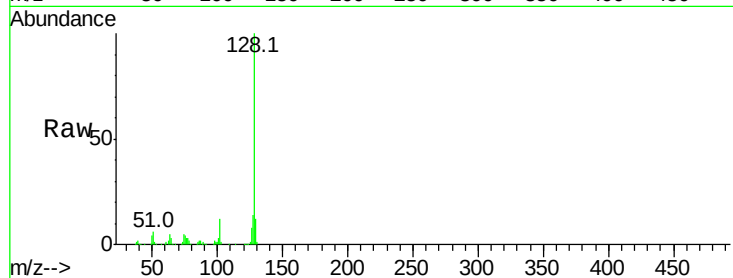




#31
Naphthalene
Concen: 144.876 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

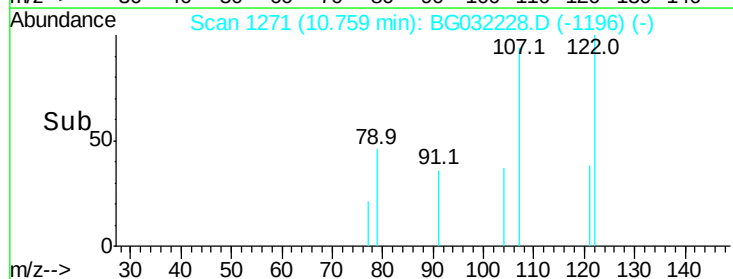
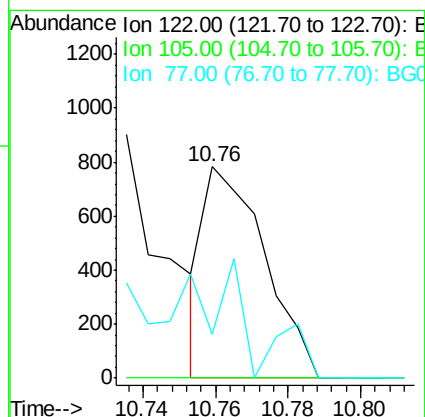
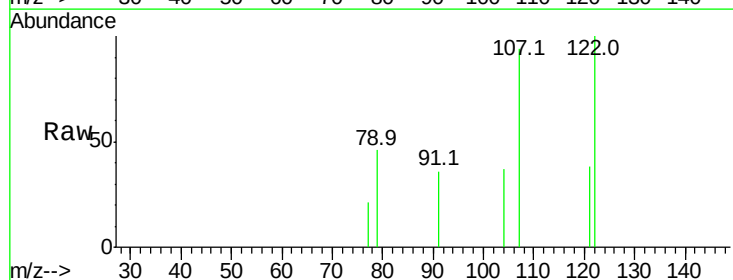
Instrument :
BNA_G
ClientSampled :

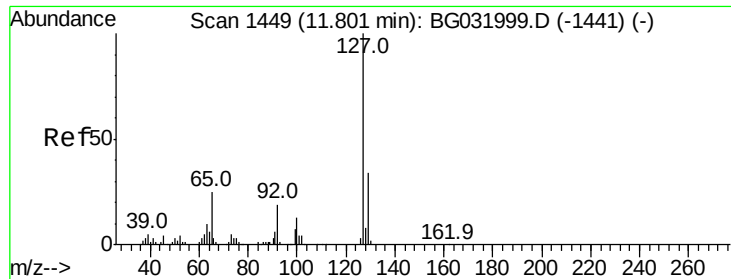
Tot Ion:128 Resp: 417174
Ion Ratio Lower Upper
128 100
129 12.4 8.6 12.8
127 13.8 11.6 17.4



#32
Benzoic acid
Concen: 6.508 ng
RT: 10.76 min Scan# 1271
Delta R.T. -0.09 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion:122 Resp: 909
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 20.9 85.7 125.7#

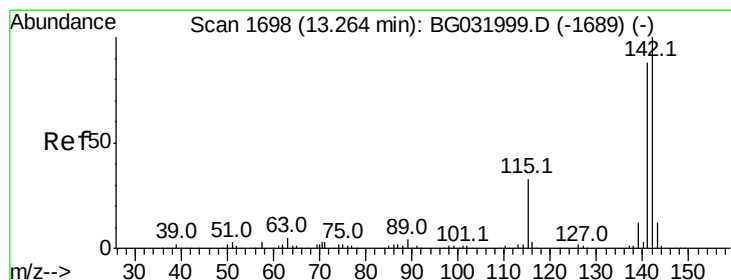
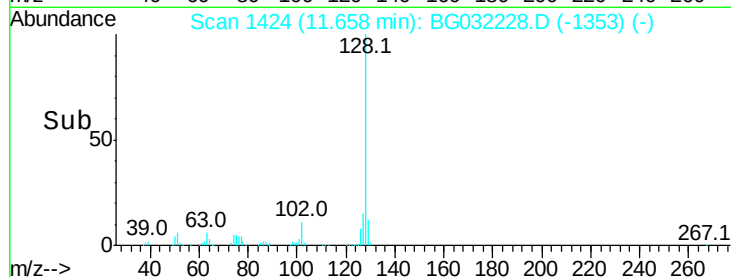
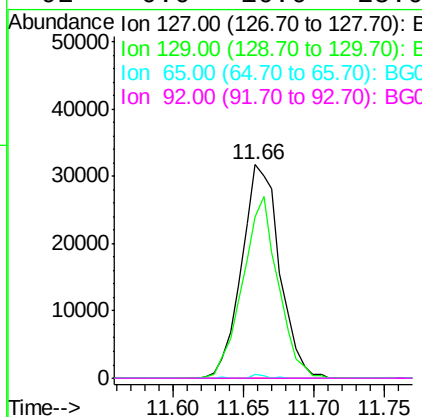
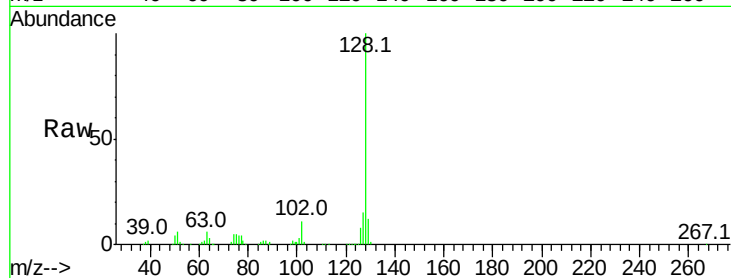




#33
4-Chloroaniline
Concen: 48.467 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.11 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

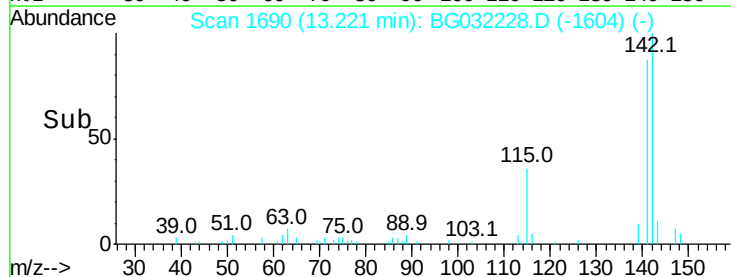
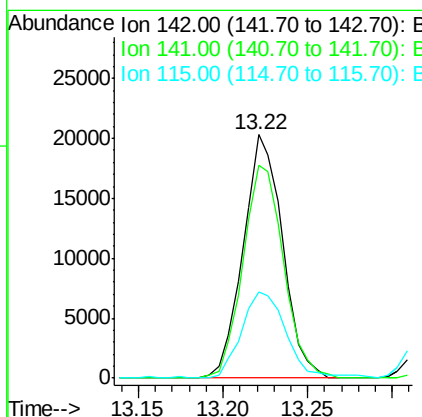
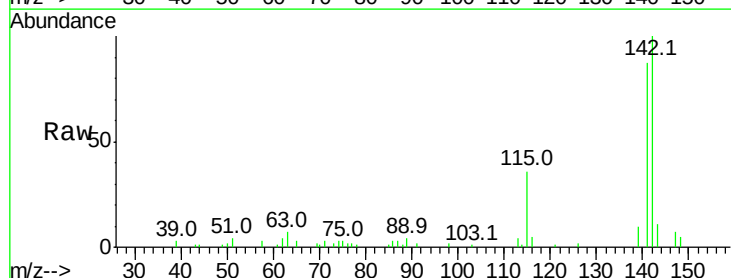
Instrument :
BNA_G
ClientSampleId :

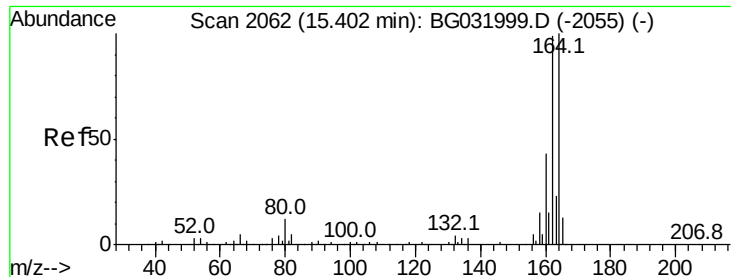
Tot Ion:127	Resp:	59847
Ion Ratio	Lower	Upper
127	100	
129	75.5	24.0 36.0#
65	1.6	27.0 40.4#
92	0.0	16.6 25.0#



#37
2-Methylnaphthalene
Concen: 14.399 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion:142	Resp:	32917
Ion Ratio	Lower	Upper
142	100	
141	87.4	67.1 100.7
115	35.6	30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.37 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

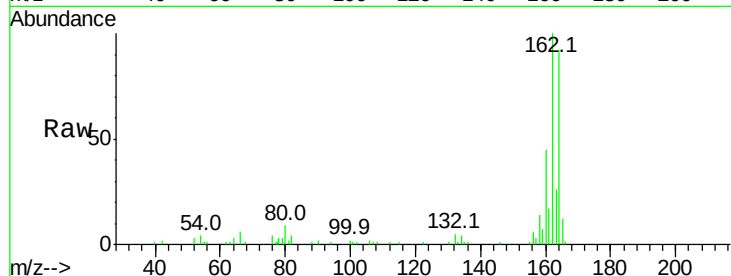
Tot Ion:164 Resp: 38169

Ion Ratio Lower Upper

164 100

162 108.8 78.8 118.2

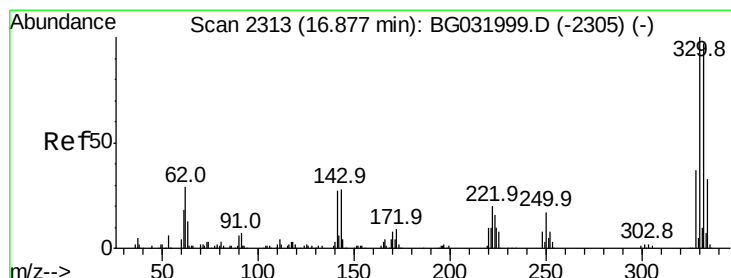
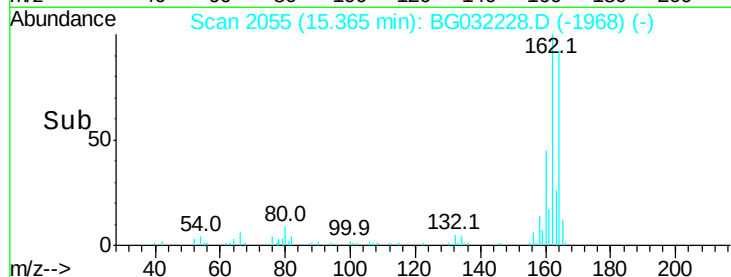
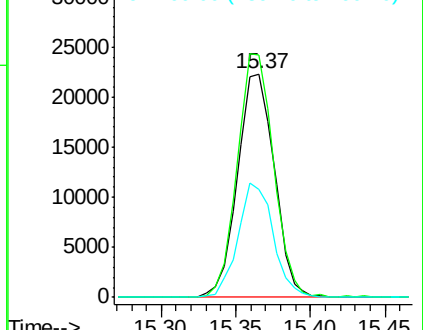
160 48.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 127.166 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

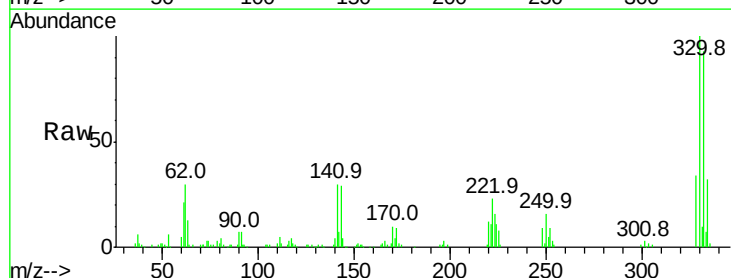
Tgt Ion:330 Resp: 80319

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

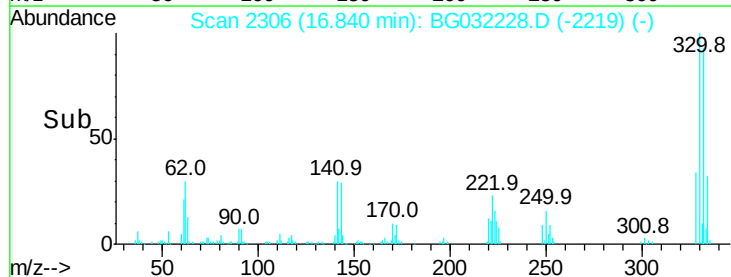
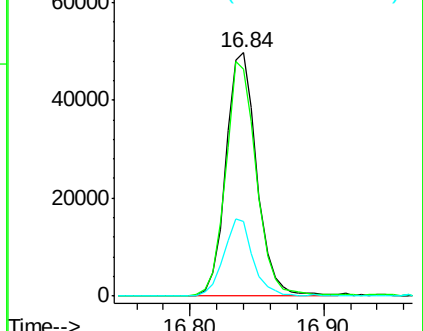
141 30.2 25.2 37.8

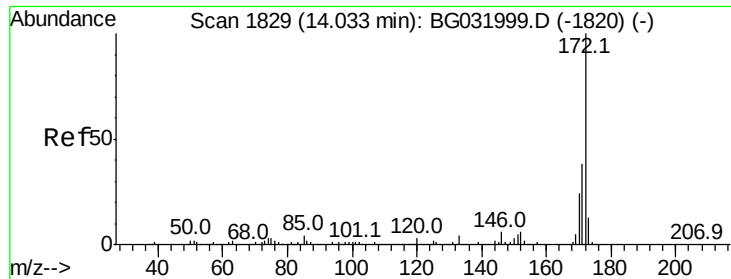


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

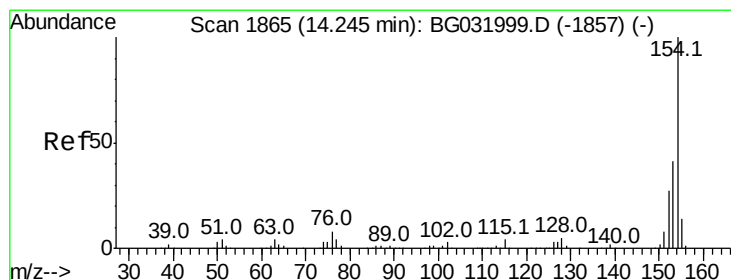
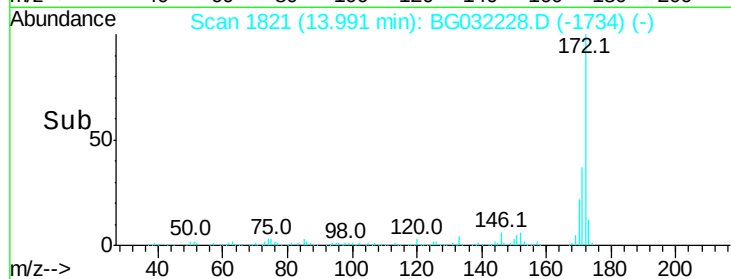
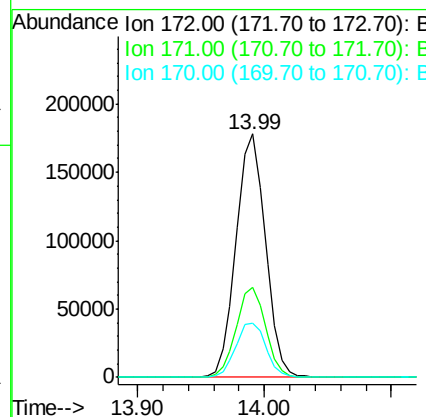
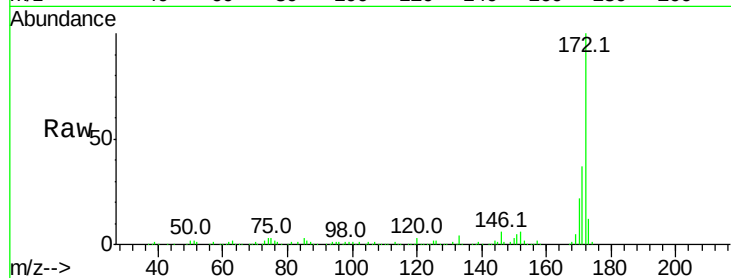




#44
2-Fluorobiphenyl
Concen: 92.732 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

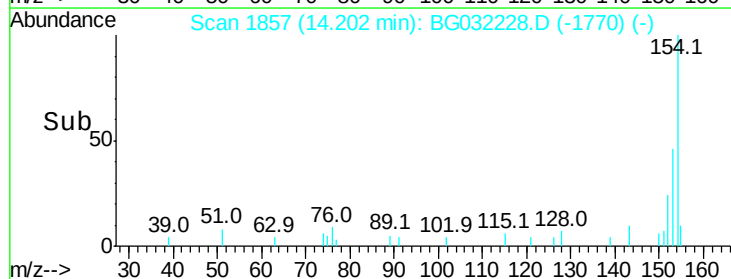
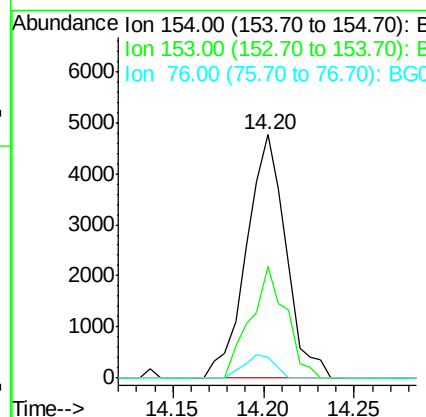
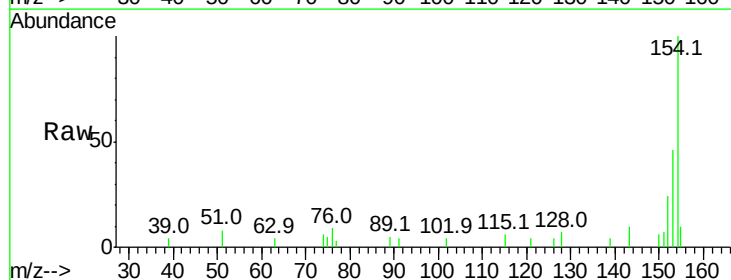
Instrument :
BNA_G
ClientSampleId :

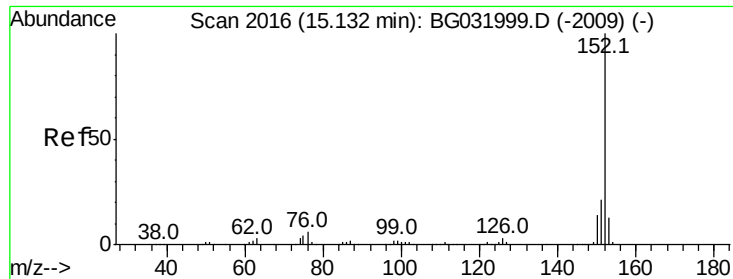
Tot Ion:172 Resp: 285454
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 22.4 19.5 29.3



#45
1,1'-Biphenyl
Concen: 2.197 ng
RT: 14.20 min Scan# 1857
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion:154 Resp: 7188
Ion Ratio Lower Upper
154 100
153 46.0 19.8 59.8
76 8.8 0.0 31.9





#48

Acenaphthylene

Concen: 6.218 ng

RT: 15.09 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BG032228.D

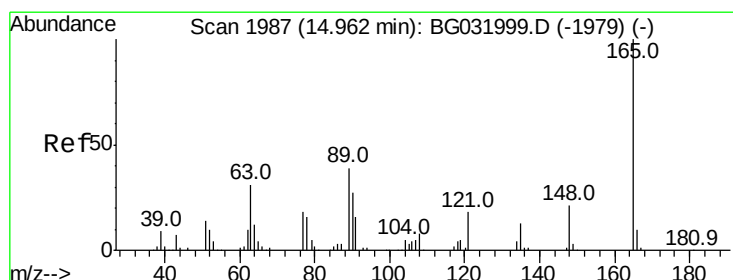
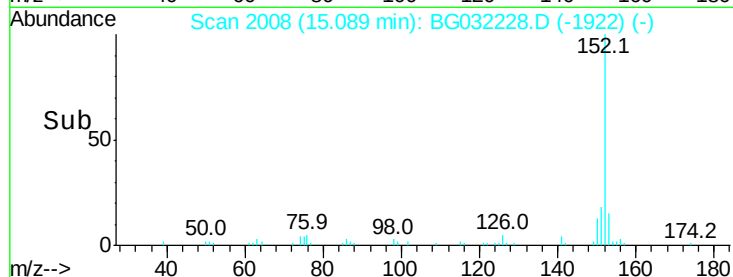
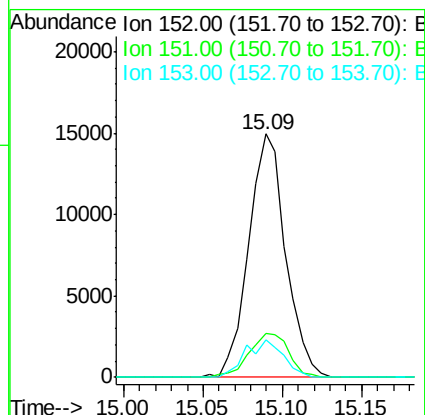
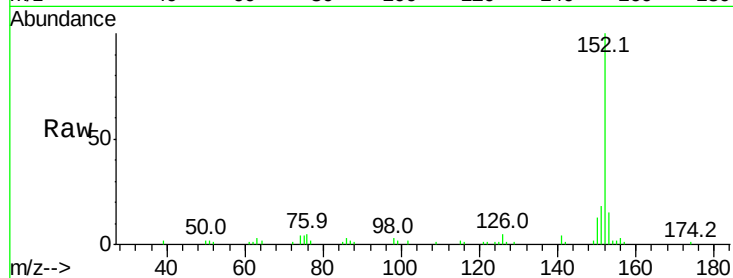
Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	152	Resp:	24103
Ion	Ratio	Lower	Upper
152	100		
151	18.0	17.2	25.8
153	15.3	10.2	15.4



#50

2,6-Dinitrotoluene

Concen: 6.834 ng

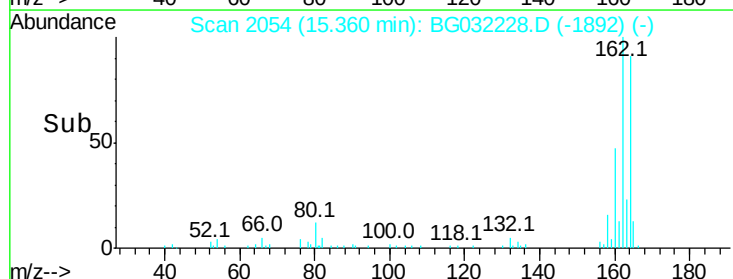
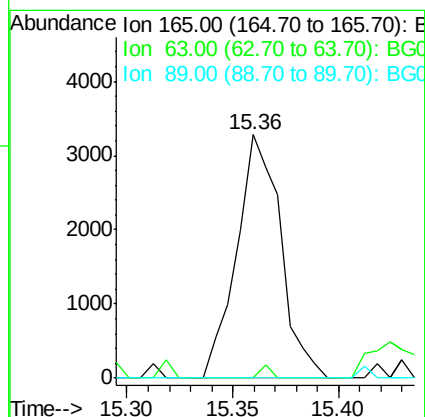
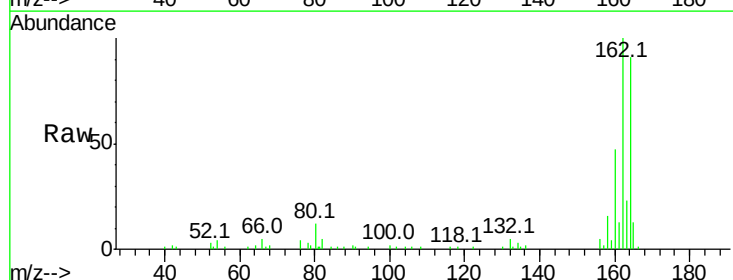
RT: 15.36 min Scan# 2054

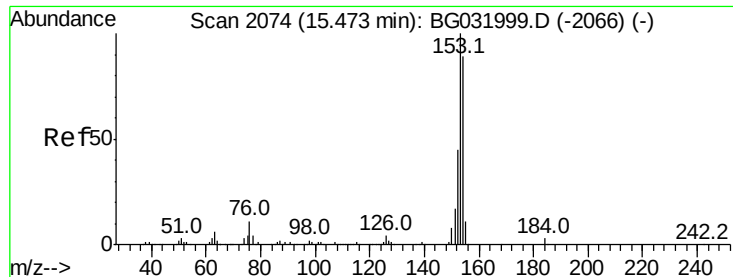
Delta R.T. 0.42 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Tgt Ion:	165	Resp:	4738
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#





#51

Acenaphthene

Concen: 5.092 ng

RT: 15.42 min Scan# 2065

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

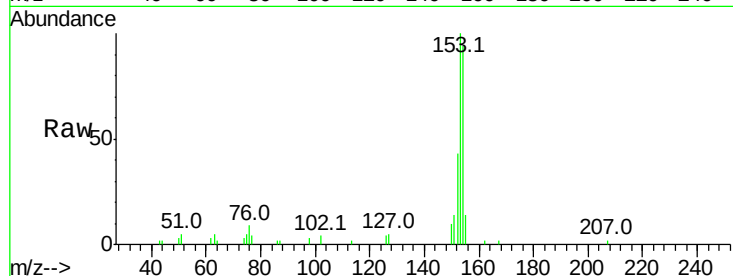
Tot Ion:154 Resp: 13051

Ion Ratio Lower Upper

154 100

153 106.7 90.4 135.6

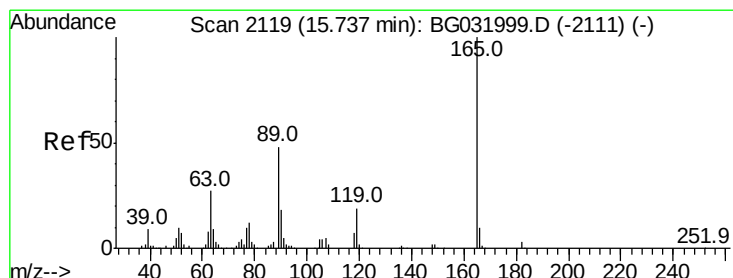
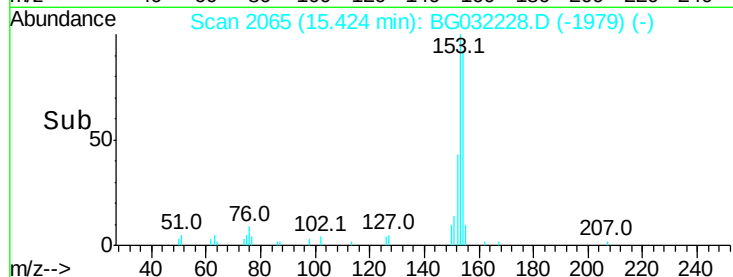
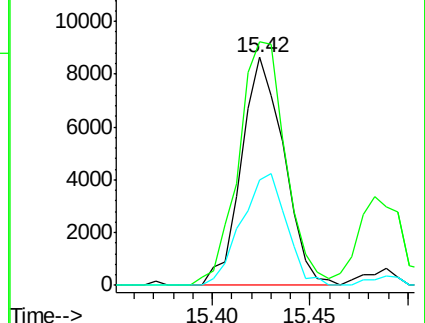
152 46.2 41.6 62.4



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



#56

2,4-Dinitrotoluene

Concen: 5.076 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.36 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Tgt Ion:165 Resp: 4738

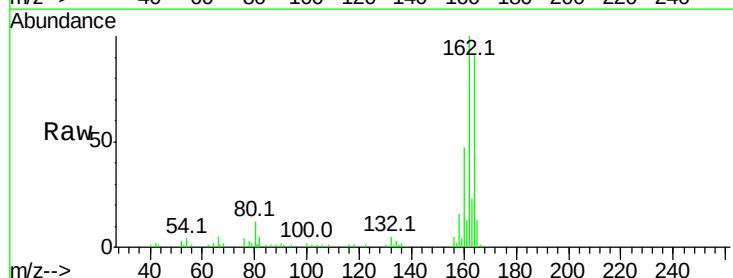
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

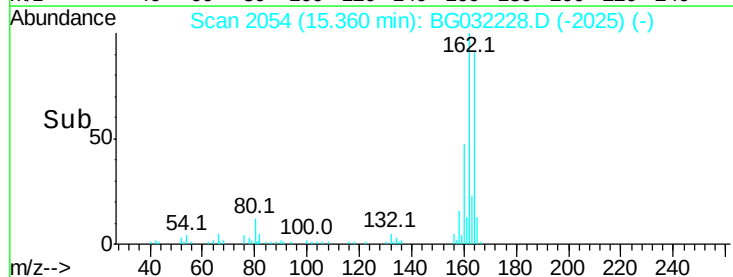
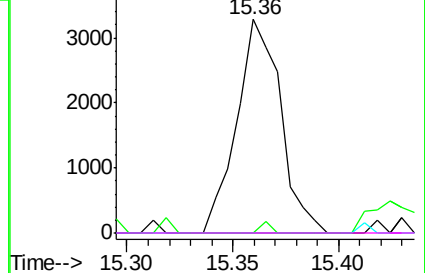


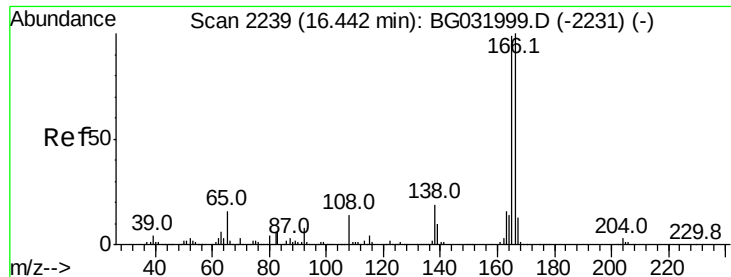
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

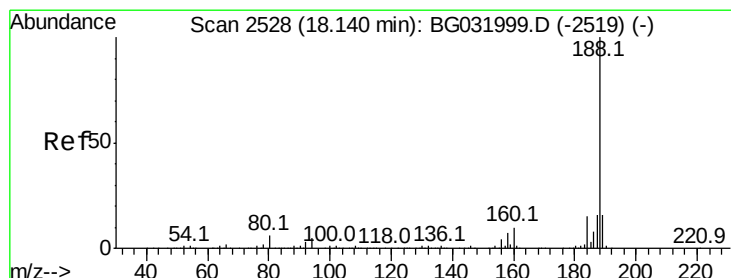
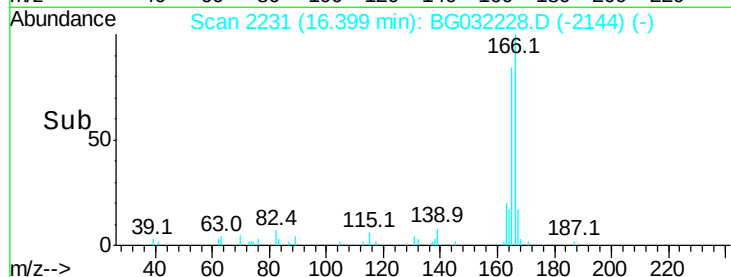
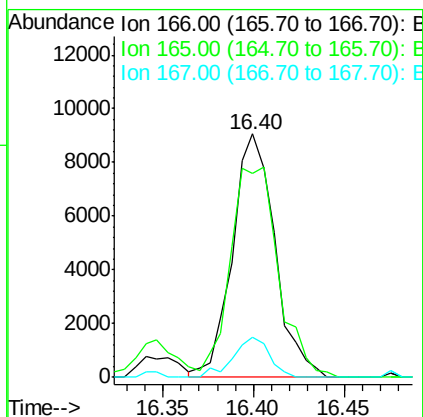
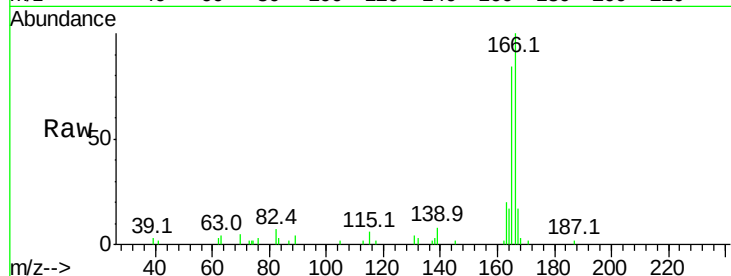




#57
 Fluorene
 Concen: 4.711 ng
 RT: 16.40 min Scan# 2231
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

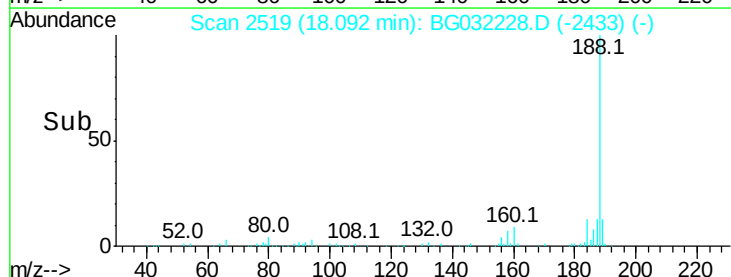
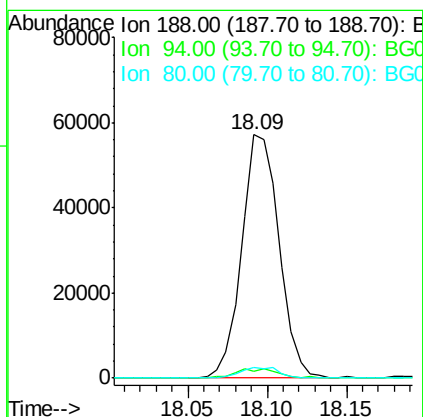
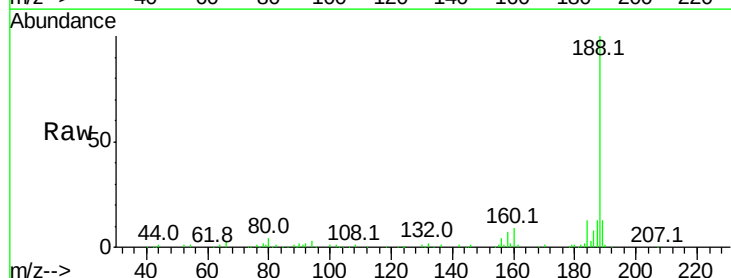
Instrument :
 BNA_G
 ClientSampleId :

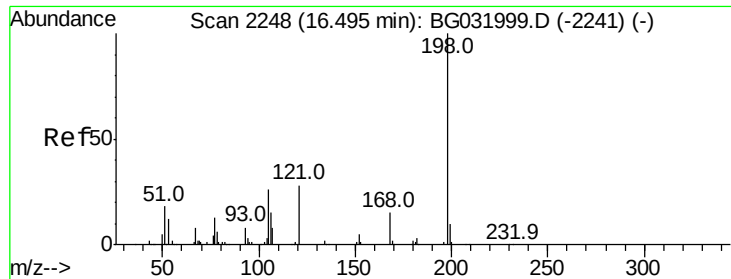
Tot Ion:166 Resp: 14773
 Ion Ratio Lower Upper
 166 100
 165 83.6 80.6 121.0
 167 16.5 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Tgt Ion:188 Resp: 93380
 Ion Ratio Lower Upper
 188 100
 94 3.0 6.9 10.3#
 80 4.3 7.7 11.5#

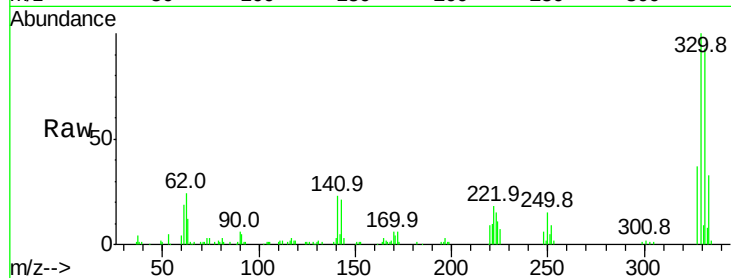




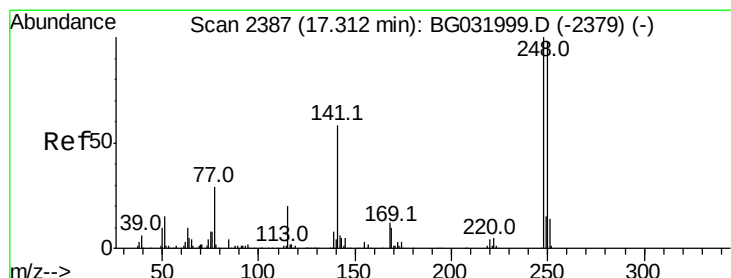
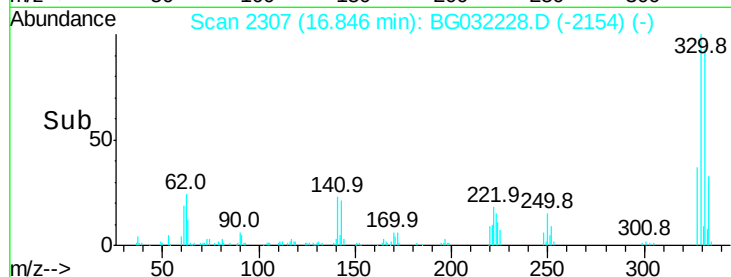
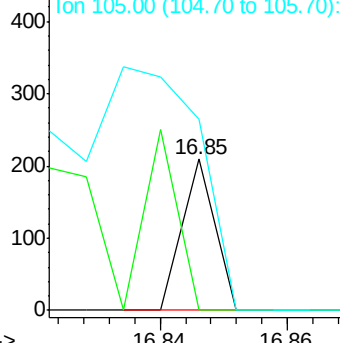
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.996 ng
 RT: 16.85 min Scan# 2307
 Delta R.T. 0.37 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 74
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 126.8 23.8 63.8#

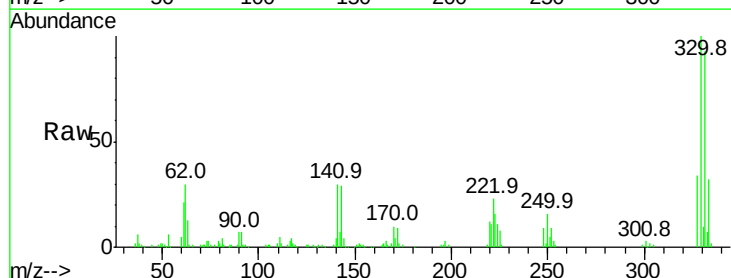


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

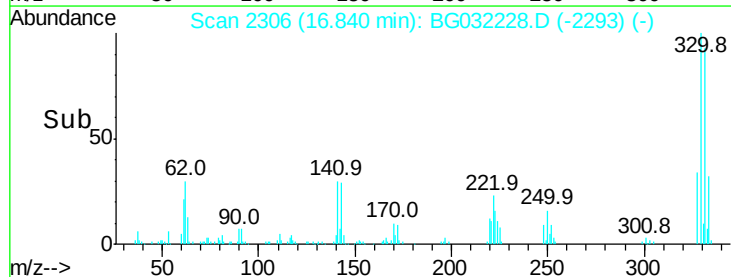
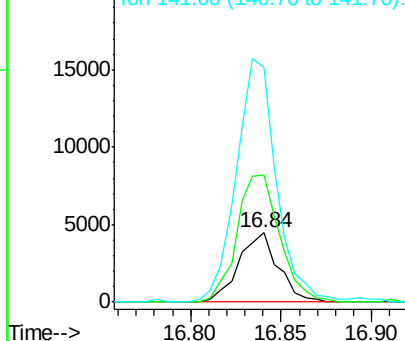


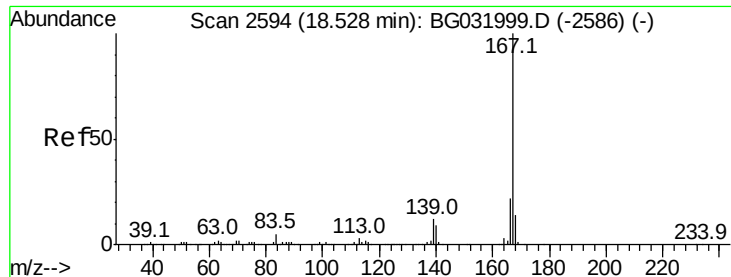
#66
 4-Bromophenyl-phenylether
 Concen: 5.108 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.45 min
 Lab File: BG032228.D
 Acq: 23 Jan 2018 12:51

Tgt Ion:248 Resp: 6787
 Ion Ratio Lower Upper
 248 100
 250 184.2 77.1 115.7#
 141 340.3 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#72

Carbazole

Concen: 7.134 ng

RT: 18.49 min Scan# 2587

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

Instrument :

BNA_G

ClientSampleId :

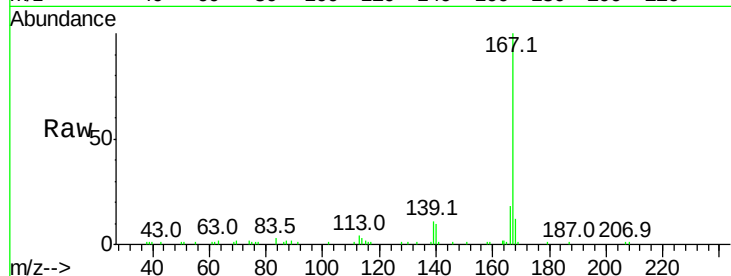
Tot Ion:167 Resp: 32089

Ion Ratio Lower Upper

167 100

166 18.1 18.2 27.4#

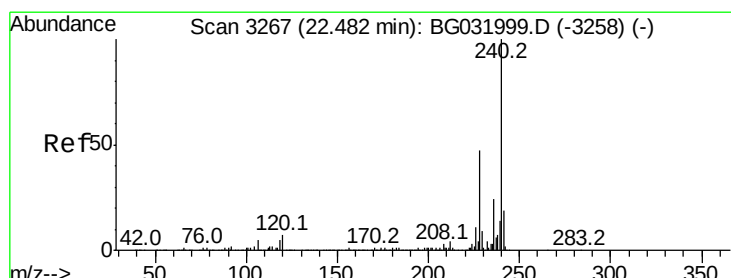
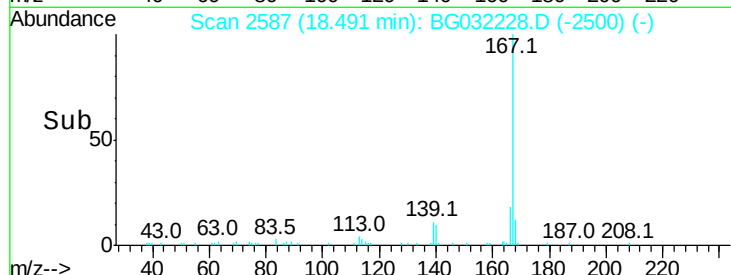
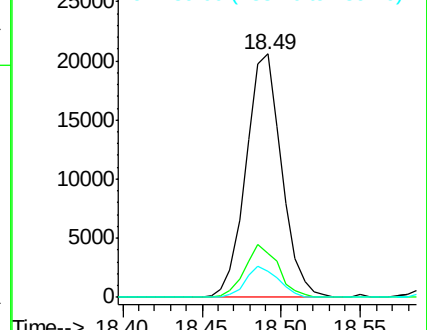
139 10.7 9.4 14.2



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# 3257

Delta R.T. -0.02 min

Lab File: BG032228.D

Acq: 23 Jan 2018 12:51

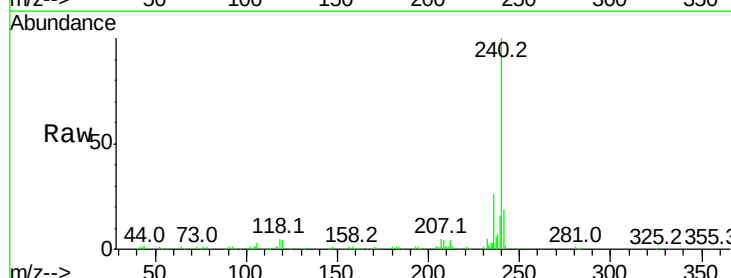
Tgt Ion:240 Resp: 113073

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

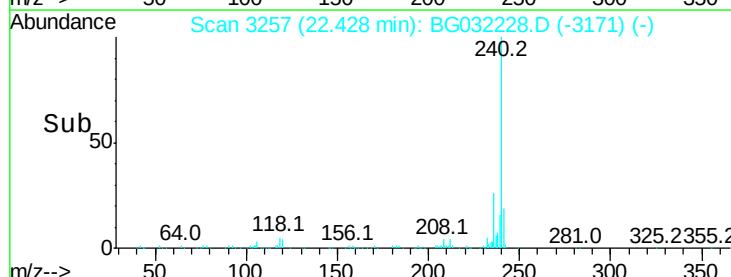
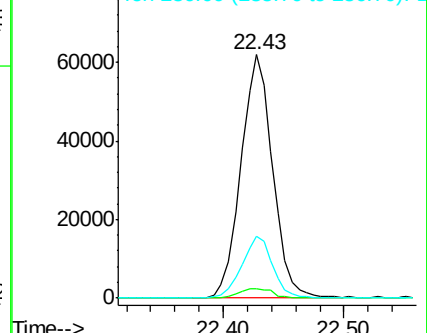
236 25.7 20.9 31.3

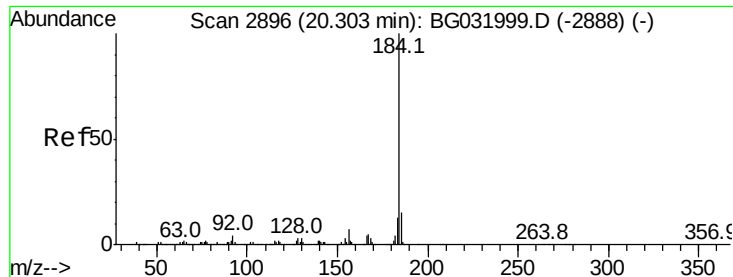


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

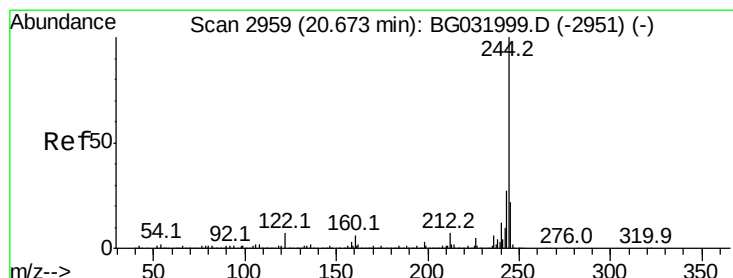
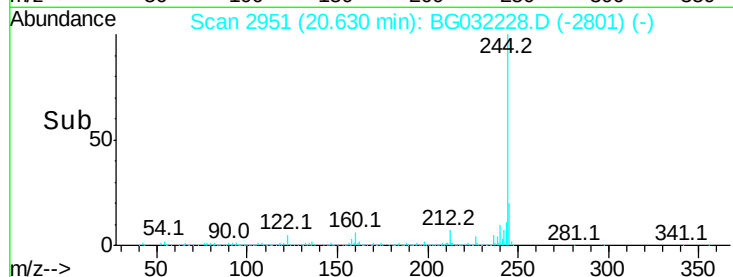
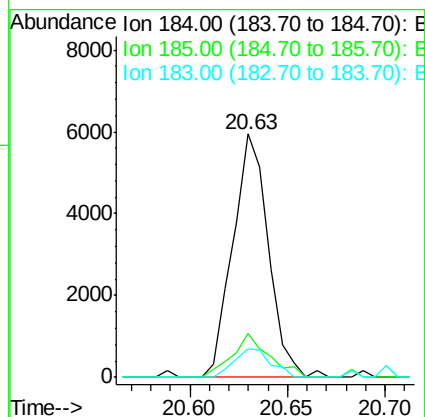
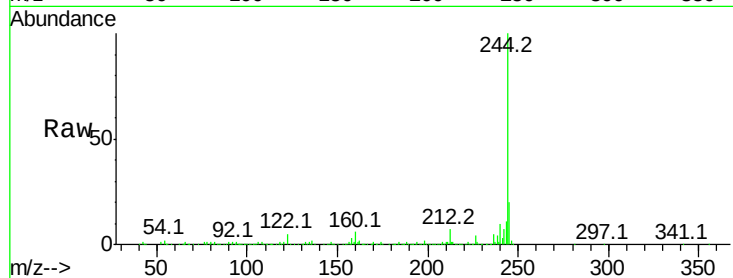




#76
Benzidine
Concen: 2.660 ng
RT: 20.63 min Scan# 2951
Delta R.T. 0.35 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

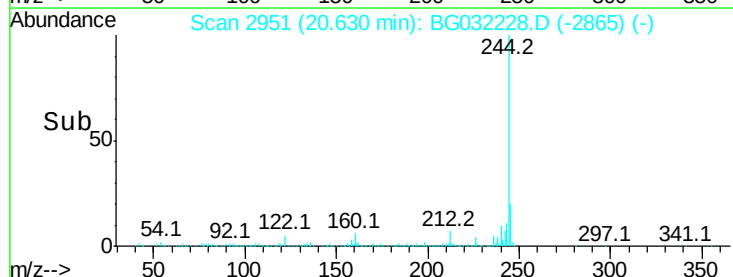
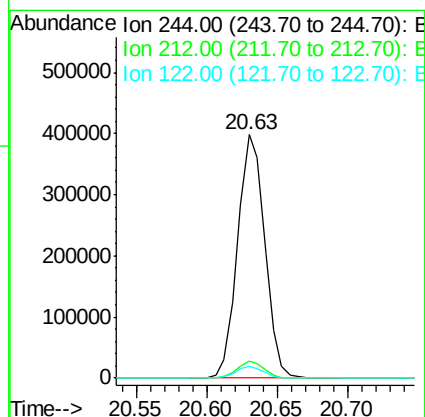
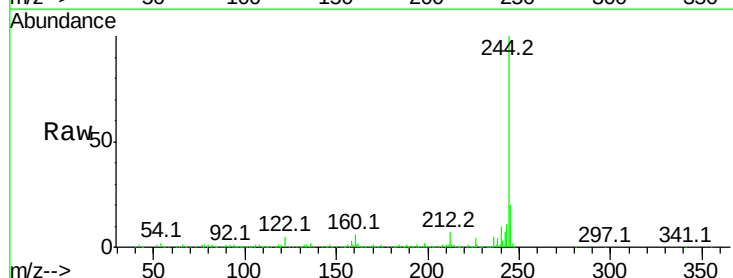
Instrument :
BNA_G
ClientSampleId :

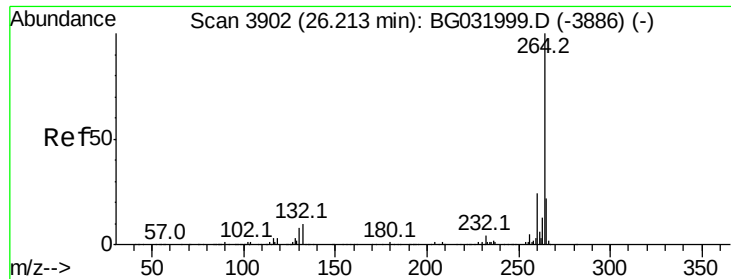
Tot Ion:184 Resp: 7520
Ion Ratio Lower Upper
184 100
185 17.9 11.1 16.7#
183 11.9 10.6 16.0



#78
Terphenyl-d14
Concen: 104.464 ng
RT: 20.63 min Scan# 2951
Delta R.T. -0.02 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Tgt Ion:244 Resp: 534954
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 5.1 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.12 min Scan# 3886
Delta R.T. -0.03 min
Lab File: BG032228.D
Acq: 23 Jan 2018 12:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.5	17.4	26.0
265	19.8	17.7	26.5

