

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041619\
 Data File : BG040522.D
 Acq On : 17 Apr 2019 4:15
 Operator : JU/SJ
 Sample : K2411-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 04:59:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	2740	20.00	ng	-0.03
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.88
39) Acenaphthene-d10	15.11	164	53	20.00	ng	0.41
64) Phenanthrene-d10	17.45	188	54	20.00	ng	0.00
76) Chrysene-d12	21.68	240	75	20.00	ng	-0.05
87) Perylene-d12	25.06	264	62	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	388195	2355.26	ng	-0.02
7) Phenol-d6	7.20	99	460023	2019.55	ng	-0.02
23) Nitrobenzene-d5	9.22	82	392303	0.00	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	187190	326802.80	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	889076	248565.94	ng	-0.03
79) Terphenyl-d14	20.02	244	1448551	434498.29	ng	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.49	88	669	8.632	ng	# 1
4) n-Nitrosodimethylamine	3.92	42	1361	14.100	ng	# 12
9) Benzaldehyde	7.20	77	844	5.402	ng	# 2
11) bis(2-Chloroethyl)ether	7.57	93	635	3.207	ng	# 1
15) Benzyl Alcohol	8.36	79	5833	31.797	ng	# 40
19) n-Nitroso-di-n-propylamine	9.22	70	49312	301.942	ng	# 70
46) 1,1'-Biphenyl	13.51	154	1846	440.816	ng	# 90
47) 2-Chloronaphthalene	14.10	162	59	18.367	ng	# 39
48) 2-Nitroaniline	14.22	65	58	53.530	ng	# 4
49) Acenaphthylene	14.80	152	54	9.915	ng	# 59
50) Dimethylphthalate	14.22	163	64	15.429	ng	# 76
52) Acenaphthene	14.74	154	1702	545.377	ng	# 84
55) Dibenzofuran	15.85	168	113	22.534	ng	# 47
56) 4-Nitrophenol	15.13	139	59	74.149	ng	# 5
57) 2,4-Dinitrotoluene	15.73	165	2273	1756.362	ng	# 24
58) Fluorene	16.17	166	8358	2119.914	ng	# 86
60) Diethylphthalate	15.48	149	487	114.734	ng	# 57
62) 4-Nitroaniline	16.15	138	55	51.984	ng	# 1
63) Azobenzene	16.55	77	121	30.222	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.53	198	88	290.064	ng	# 31
66) n-Nitrosodiphenylamine	16.16	169	7055	4464.649	ng	# 42
67) 4-Bromophenyl-phenylether	16.17	248	13605	22388.160	ng	# 1
71) Phenanthrene	17.47	178	6106	2151.260	ng	# 89
72) Anthracene	17.58	178	838	294.972	ng	# 59
73) Carbazole	17.85	167	68	25.292	ng	# 59
74) Di-n-butylphthalate	18.36	149	2373	744.593	ng	# 77
75) Fluoranthene	19.47	202	1040	309.436	ng	# 63
77) Benzidine	20.02	184	24889	9189.786	ng	# 93
78) Pyrene	19.84	202	660	133.817	ng	# 56
80) Butylbenzylphthalate	20.71	149	116	54.963	ng	# 23
81) Benzo(a)anthracene	21.78	228	76	16.452	ng	# 51
82) 3,3'-Dichlorobenzidine	21.52	252	55	31.298	ng	# 26
83) Chrysene	21.78	228	76	17.118	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.54	149	907	300.639	ng	# 50

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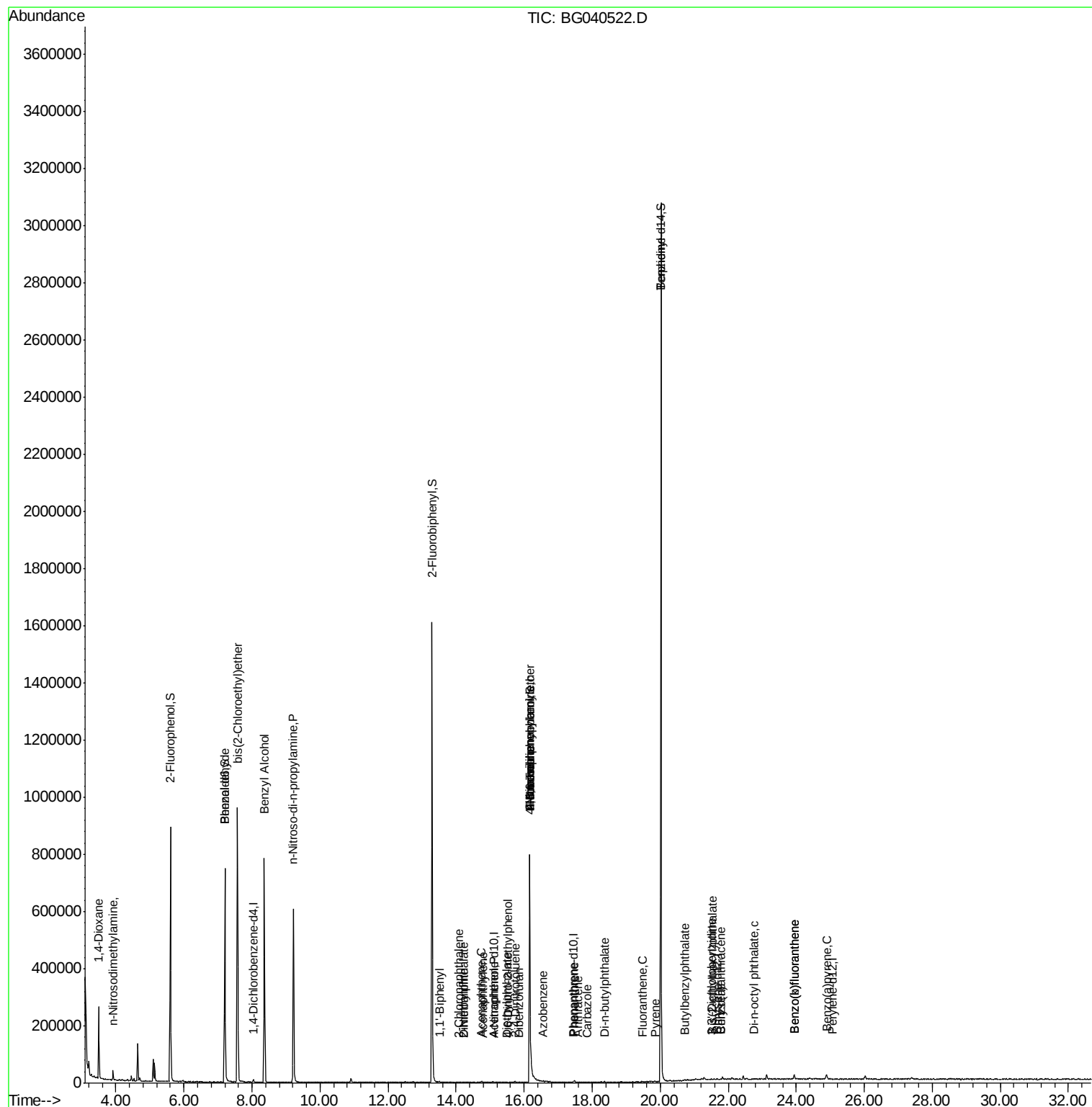
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	22.75	149	62	12.062	ng	# 74
88) Benzo(b)fluoranthene	23.96	252	65	17.124	ng	# 60
89) Benzo(k)fluoranthene	23.96	252	65	18.621	ng	# 59
90) Benzo(a)pyrene	24.91	252	69	19.374	ng	# 9

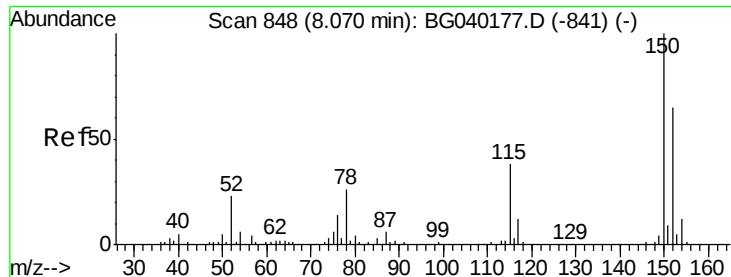
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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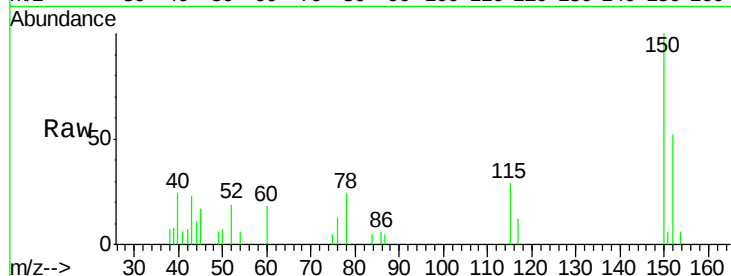


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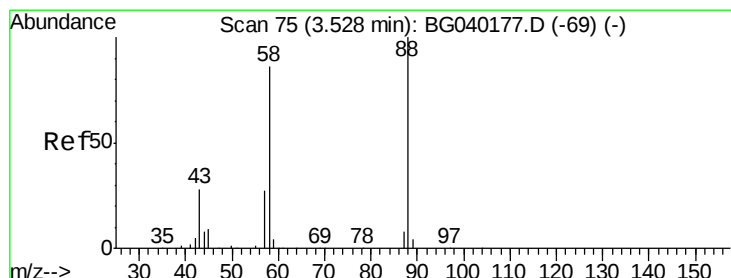
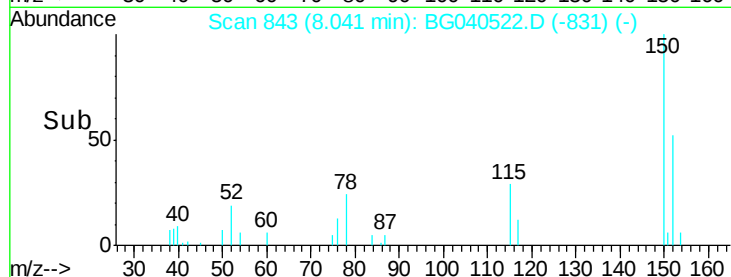
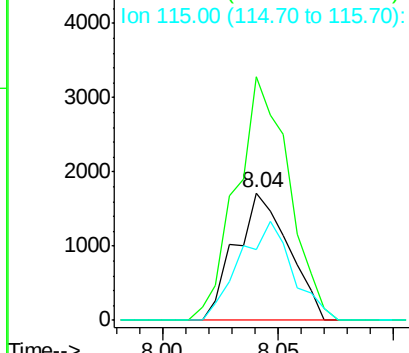
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 2740
Ion Ratio Lower Upper
152 100
150 191.3 123.7 185.5#
115 56.1 46.9 70.3



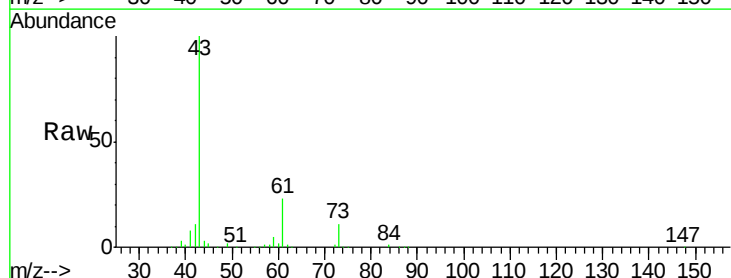
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



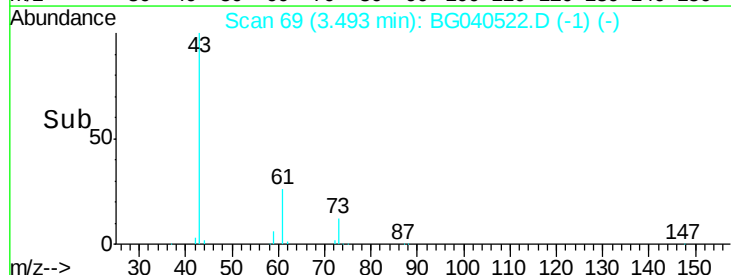
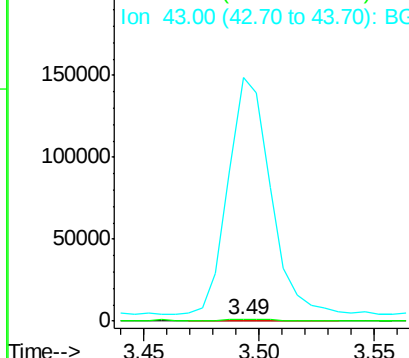
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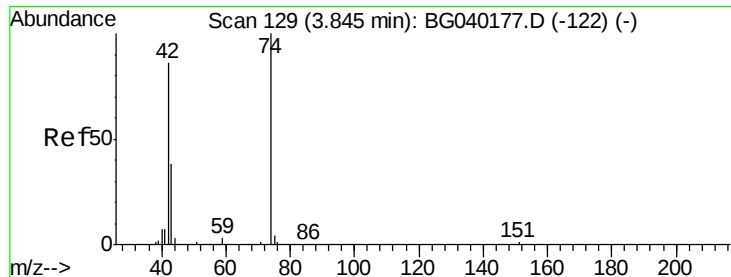
1,4-Dioxane
Concen: 8.632 ng
RT: 3.49 min Scan# 69
Delta R.T. -0.04 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Tgt Ion: 88 Resp: 669
Ion Ratio Lower Upper
88 100
58 158.9 70.6 106.0#
43 28022.1 24.8 37.2#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC



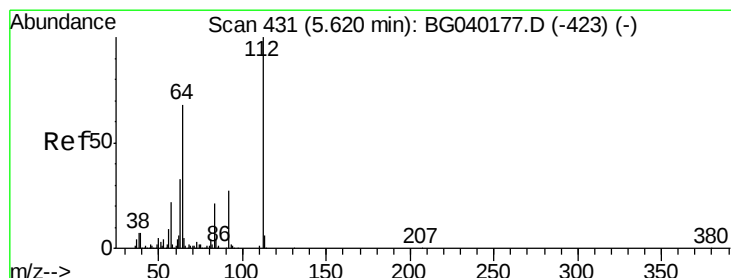
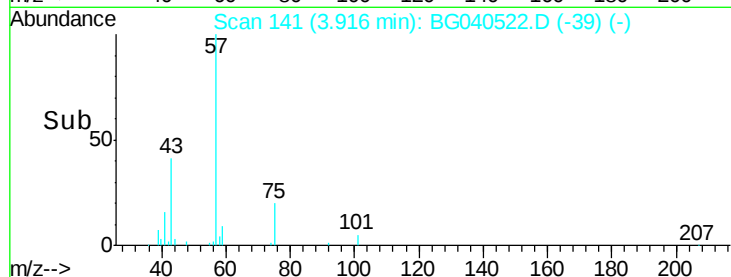
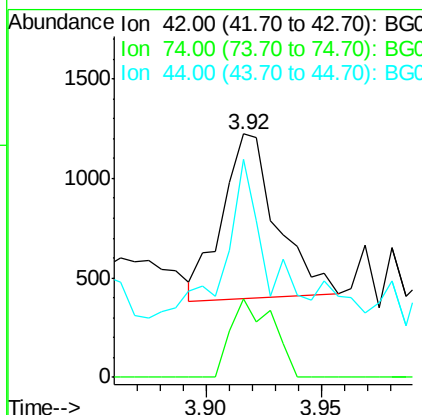
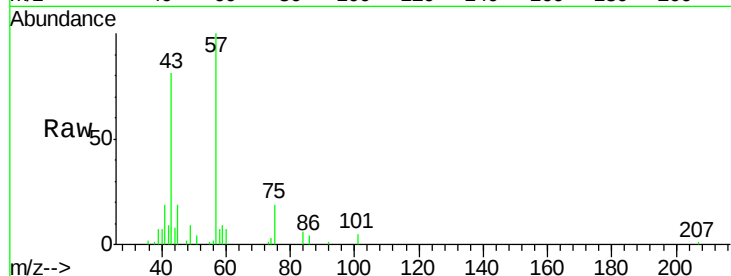


#4

n-Nitrosodimethylamine
 Concen: 14.100 ng
 RT: 3.92 min Scan# 141
 Delta R.T. 0.07 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Instrument :
 BNA_G
 ClientSampleId :

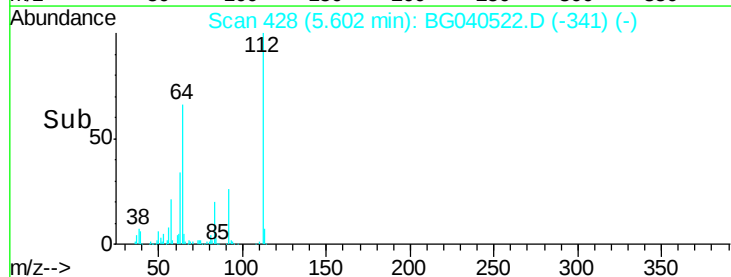
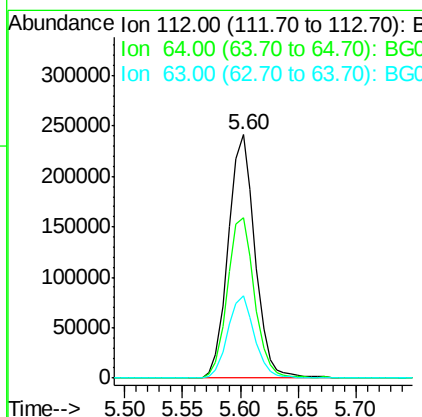
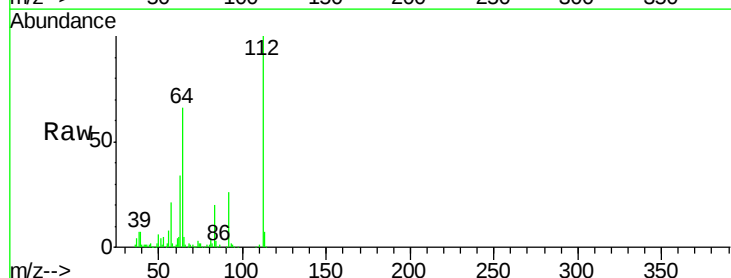
Tot Ion: 42 Resp: 1361
 Ion Ratio Lower Upper
 42 100
 74 32.4 92.9 139.3#
 44 89.3 9.7 14.5#

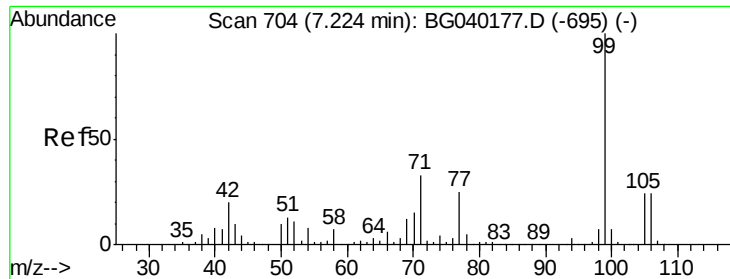


#5

2-Fluorophenol
 Concen: 2355.256 ng
 RT: 5.60 min Scan# 428
 Delta R.T. -0.02 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion: 112 Resp: 388195
 Ion Ratio Lower Upper
 112 100
 64 66.0 54.2 81.2
 63 33.6 26.4 39.6





#7

Phenol-d6

Concen: 2019.550 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :

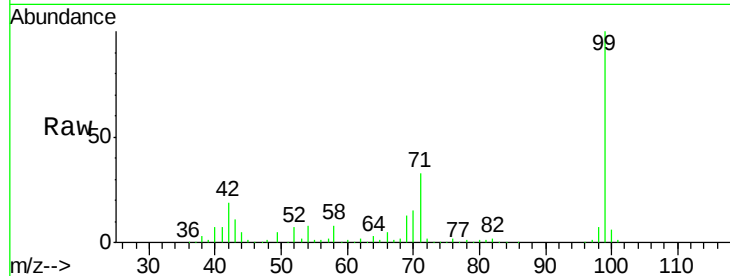
Tot Ion: 99 Resp: 460023

Ion Ratio Lower Upper

99 100

42 19.4 16.2 24.2

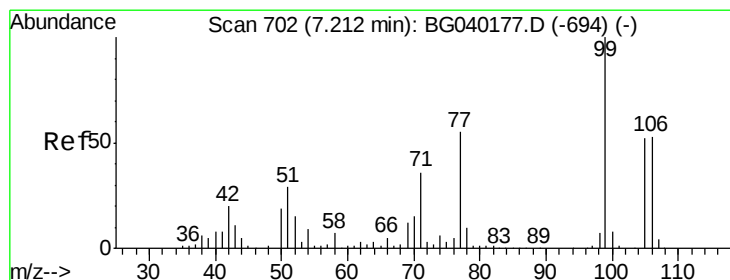
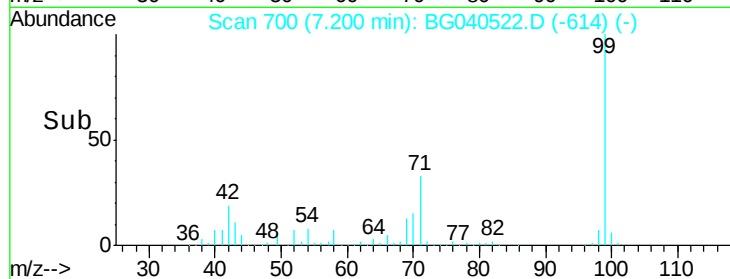
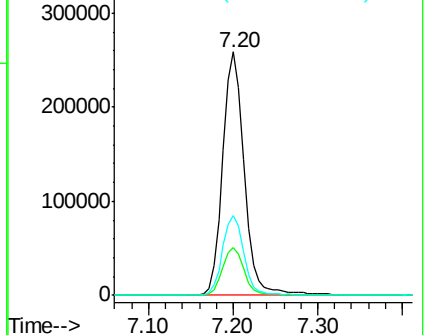
71 32.6 26.8 40.2



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



#9

Benzaldehyde

Concen: 5.402 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

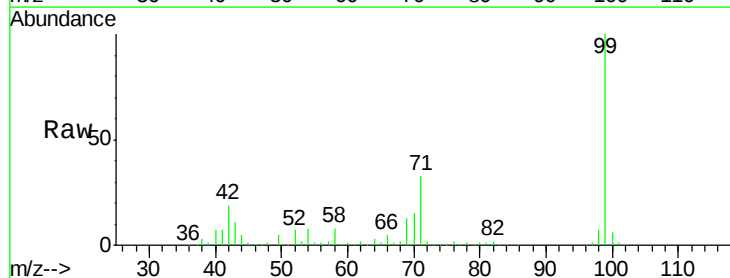
Tgt Ion: 77 Resp: 844

Ion Ratio Lower Upper

77 100

105 0.0 75.0 115.0#

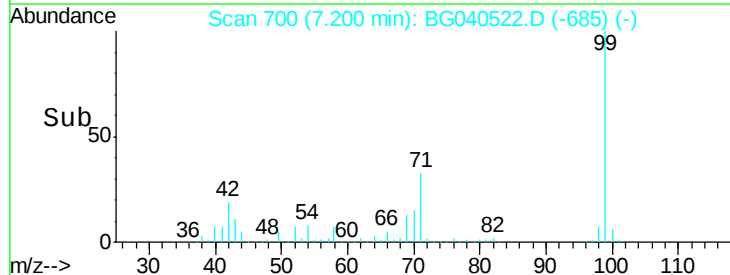
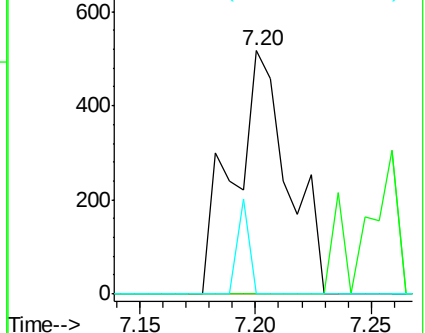
106 0.0 75.7 115.7#

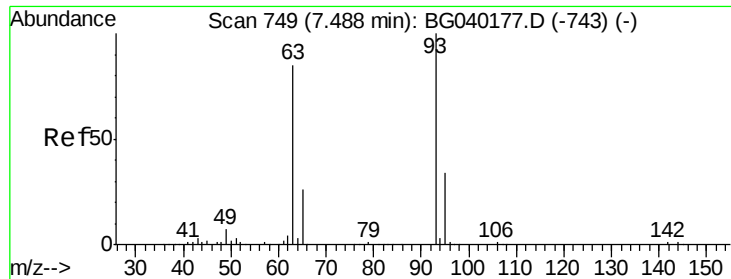


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

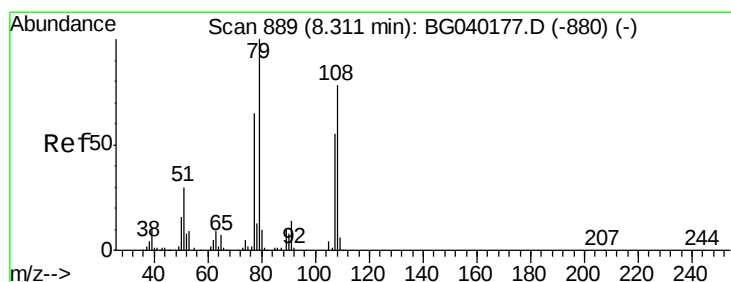
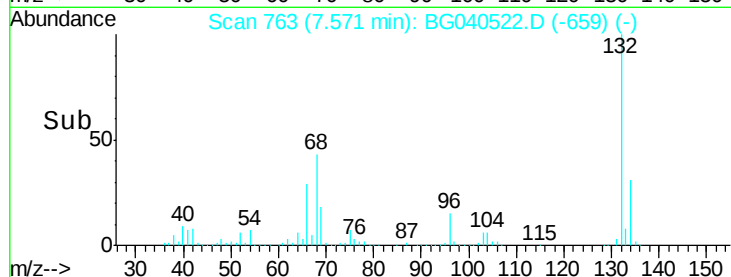
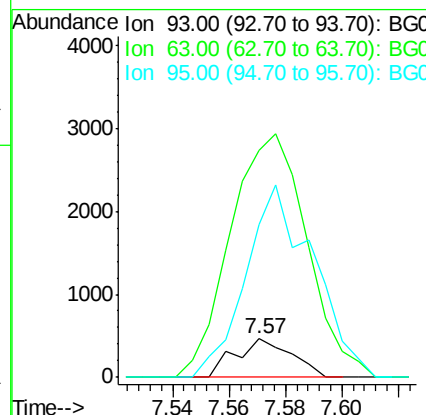
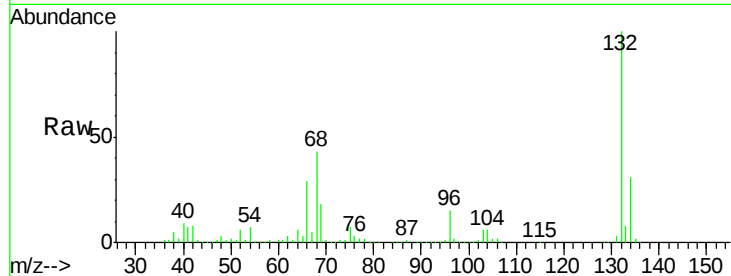




#11
 bis(2-Chloroethyl)ether
 Concen: 3.207 ng
 RT: 7.57 min Scan# 763
 Delta R.T. 0.08 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

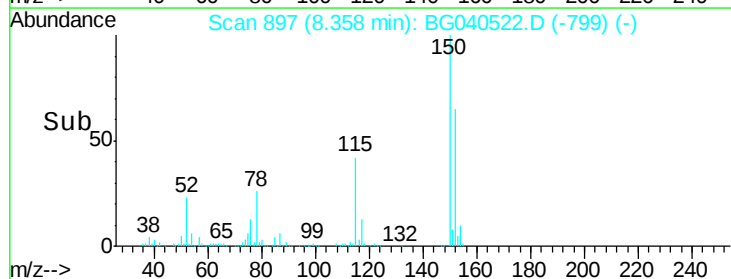
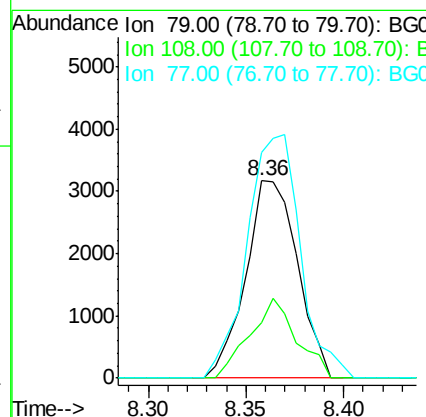
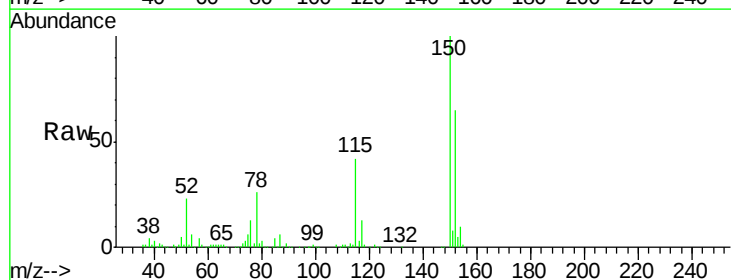
Instrument :
 BNA_G
 ClientSampleId :

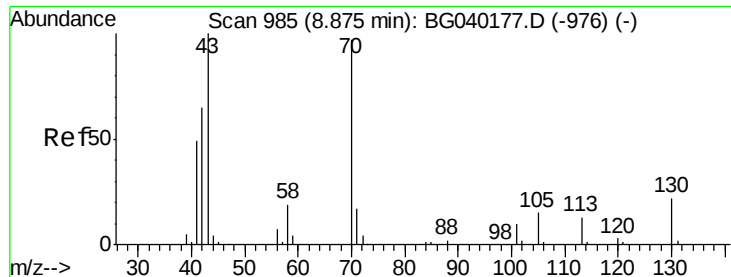
Tot Ion: 93 Resp: 635
 Ion Ratio Lower Upper
 93 100
 63 588.6 64.2 104.2#
 95 396.8 14.0 54.0#



#15
 Benzyl Alcohol
 Concen: 31.797 ng
 RT: 8.36 min Scan# 897
 Delta R.T. 0.05 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion: 79 Resp: 5833
 Ion Ratio Lower Upper
 79 100
 108 28.1 62.1 93.1#
 77 114.5 51.9 77.9#

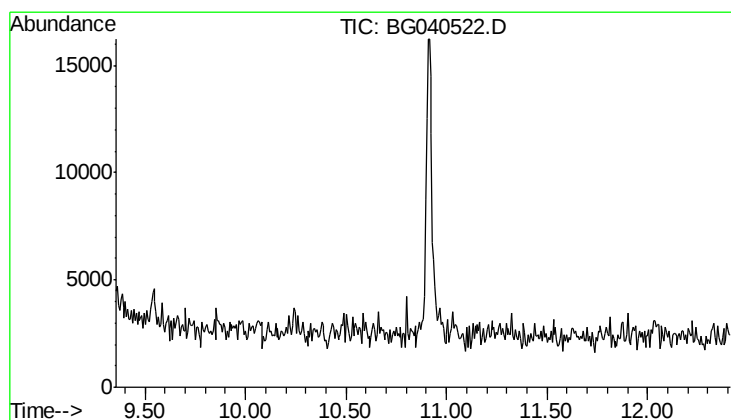
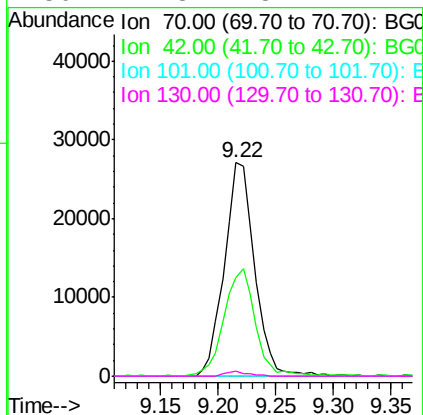
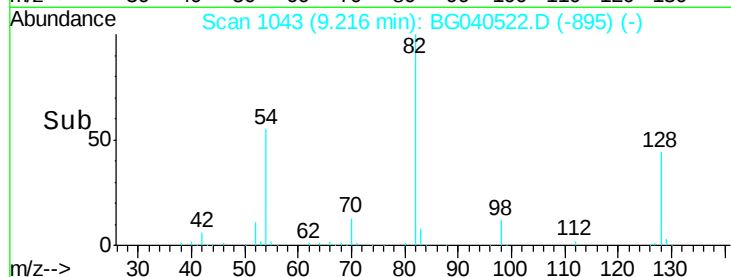
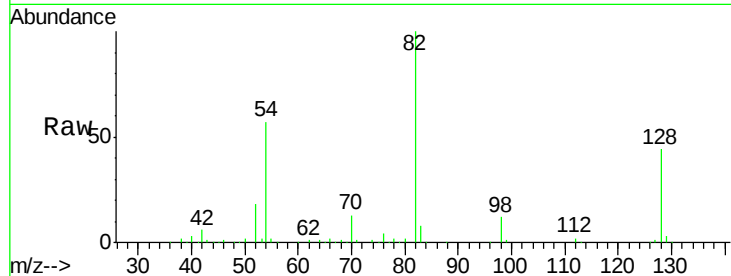




#19
n-Nitroso-di-n-propylamine
Concen: 301.942 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.34 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Instrument :
BNA_G
ClientSampled :

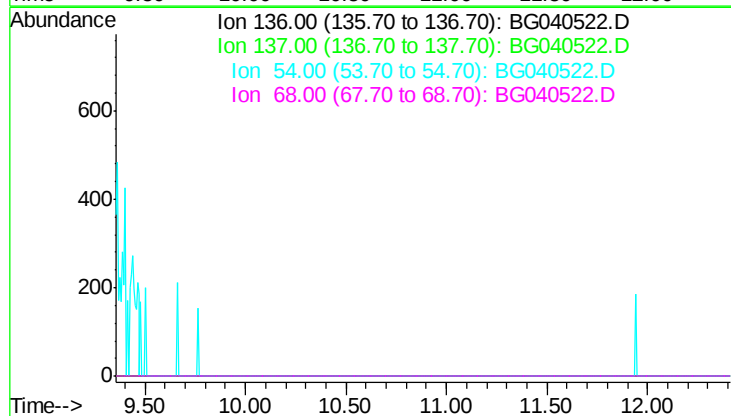
Tot Ion: 70 Resp: 49312
Ion Ratio Lower Upper
70 100
42 46.4 54.0 81.0#
101 0.0 8.6 13.0#
130 2.3 18.2 27.2#

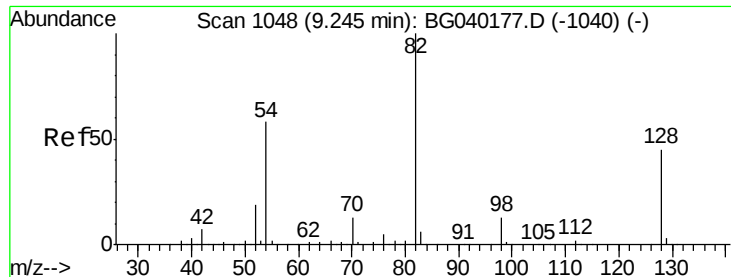


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.88 min

Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 12.0
68 6.4

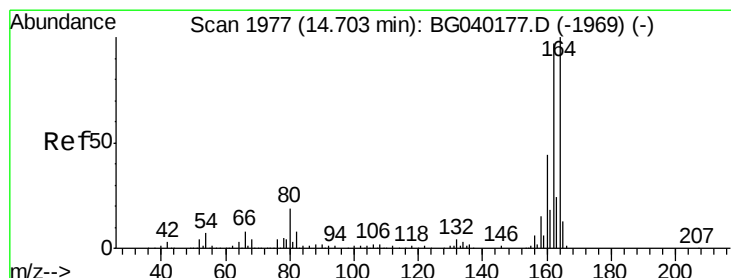
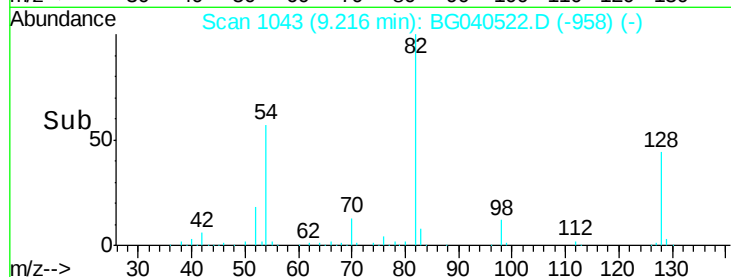
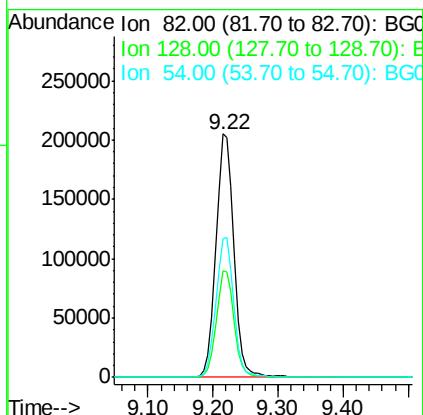
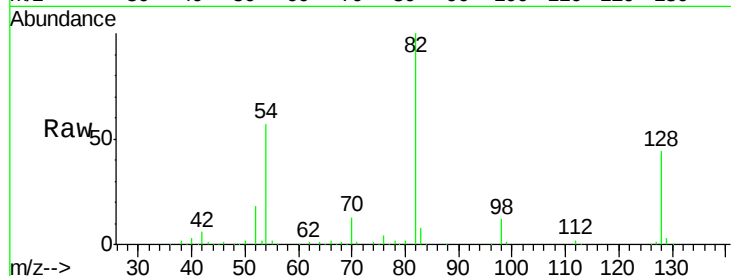




#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

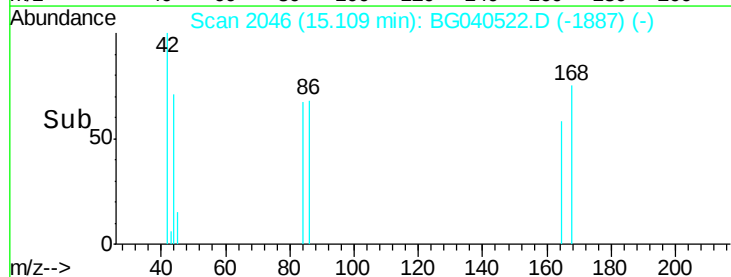
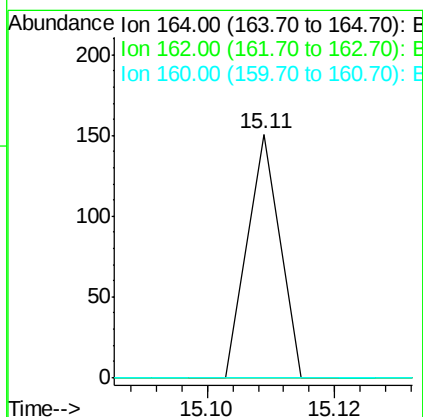
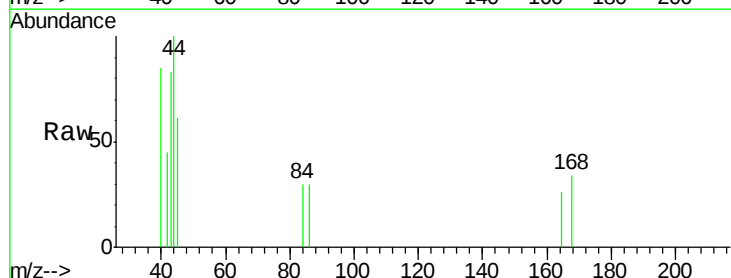
Instrument :
BNA_G
ClientSampleId :

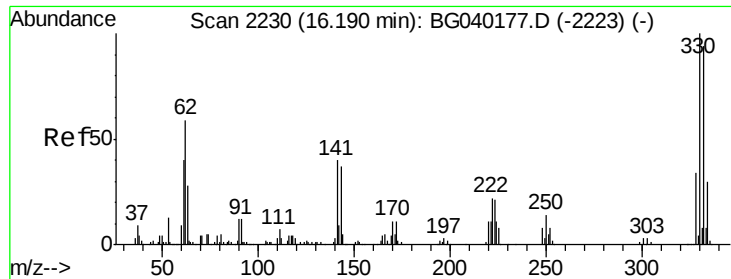
Tot Ion: 82 Resp: 392303
Ion Ratio Lower Upper
82 100
128 44.0 35.8 53.8
54 56.9 46.2 69.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.11 min Scan# 2046
Delta R.T. 0.41 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Tgt Ion:164 Resp: 53
Ion Ratio Lower Upper
164 100
162 0.0 77.4 116.2#
160 0.0 35.3 52.9#

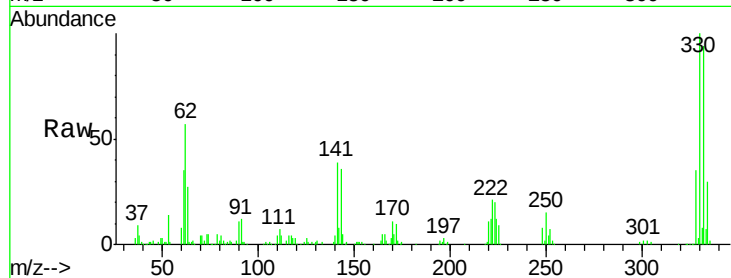




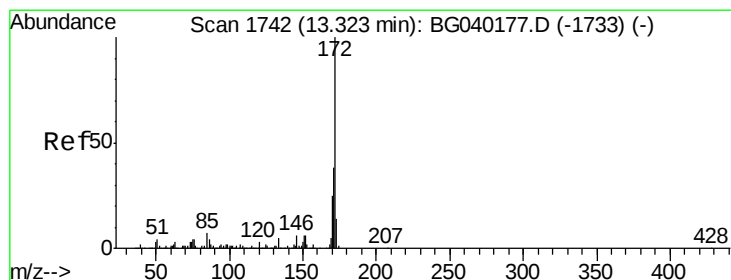
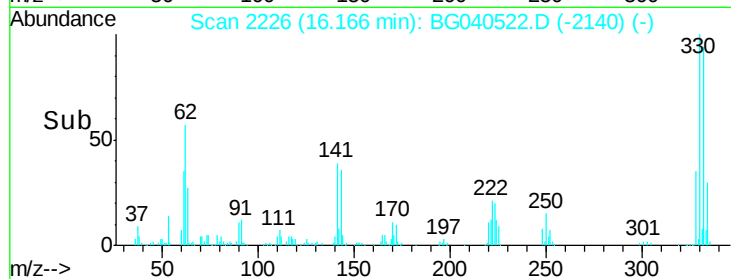
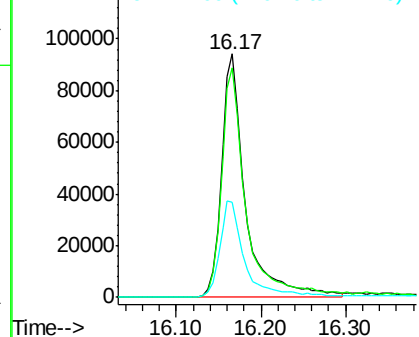
#42
 2,4,6-Tribromophenol
 Concen: 326802.802 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.02 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	41.5	32.6	48.8

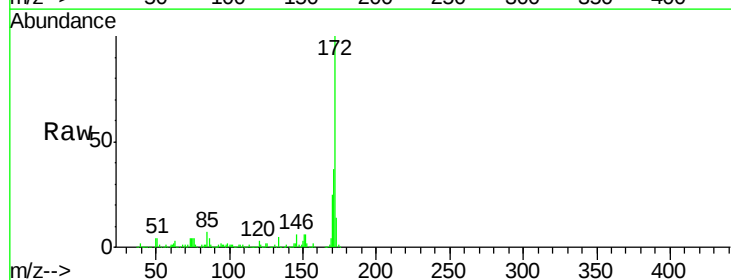


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

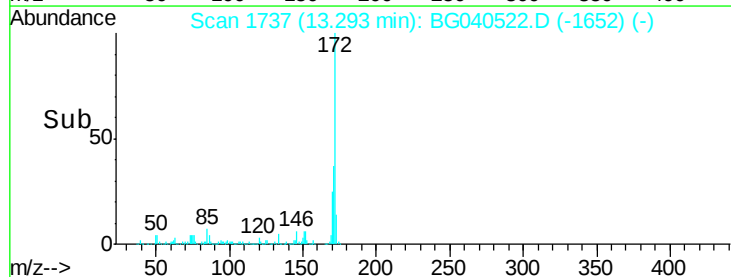
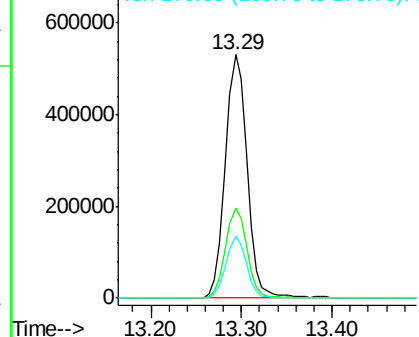


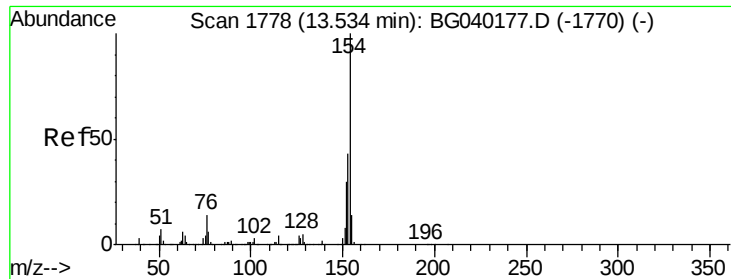
#45
 2-Fluorobiphenyl
 Concen: 248565.943 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.03 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.5	45.7
170	25.3	20.1	30.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

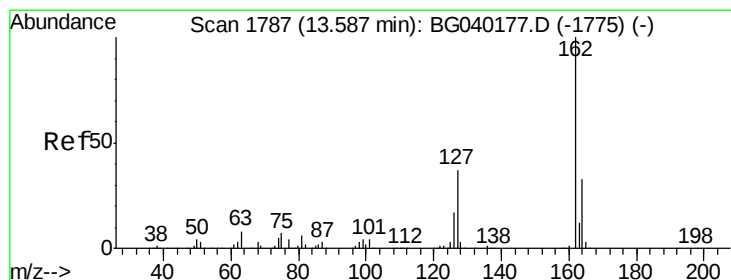
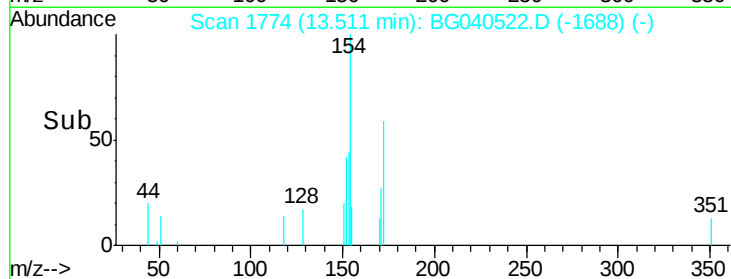
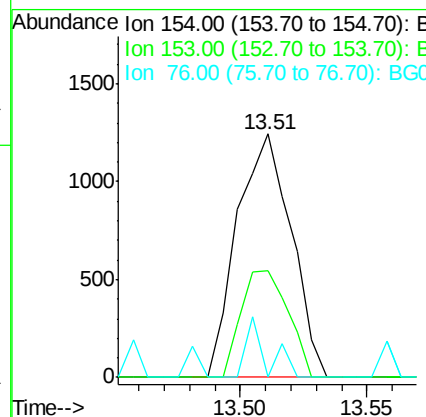
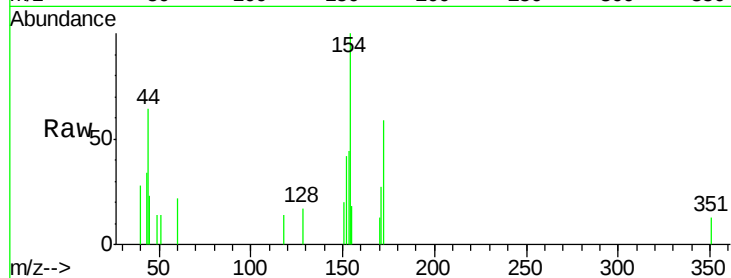




#46
 1,1'-Biphenyl
 Concen: 440.816 ng
 RT: 13.51 min Scan# 1774
 Delta R.T. -0.02 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

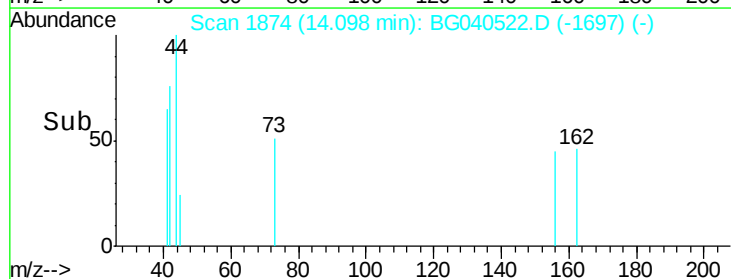
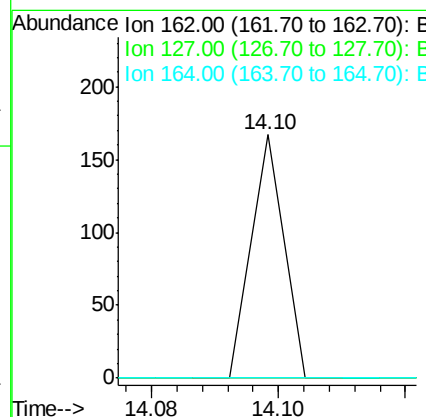
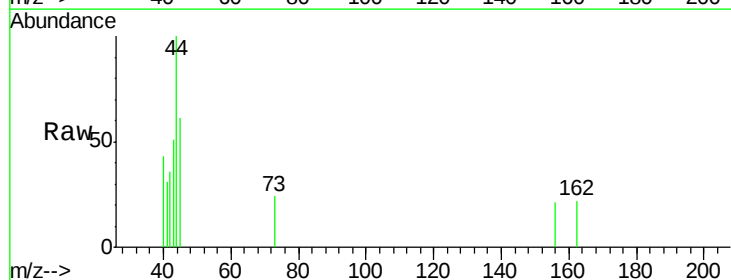
Instrument :
 BNA_G
 ClientSampleId :

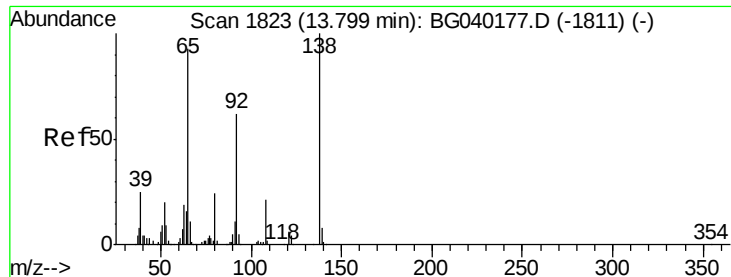
Tot Ion	Ratio	Lower	Upper
154	100		
153	43.9	22.5	62.5
76	0.0	0.0	33.7



#47
 2-Chloronaphthalene
 Concen: 18.367 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. 0.51 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion	Ratio	Lower	Upper
162	100		
127	0.0	30.6	45.8#
164	0.0	26.2	39.4#





#48

2-Nitroaniline

Concen: 53.530 ng

RT: 14.22 min Scan# 1894

Delta R.T. 0.42 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :

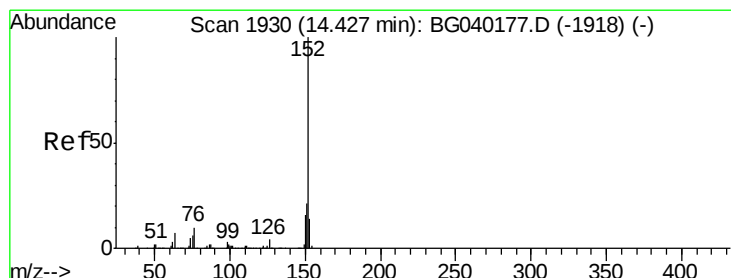
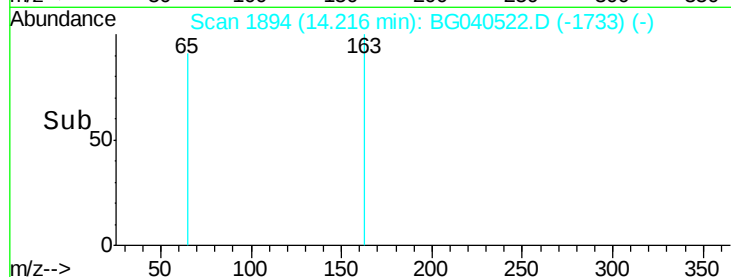
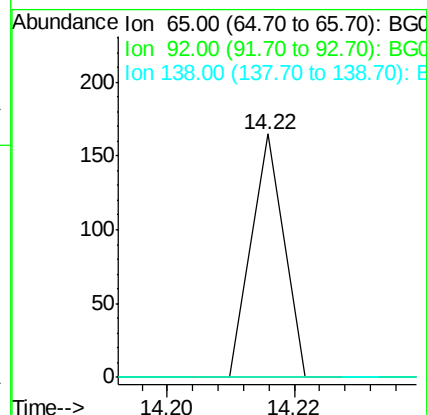
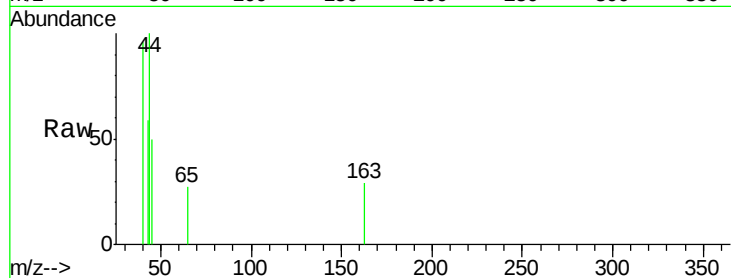
Tot Ion: 65 Resp: 58

Ion Ratio Lower Upper

65 100

92 0.0 53.8 80.6#

138 0.0 86.3 129.5#



#49

Acenaphthylene

Concen: 9.915 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.38 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

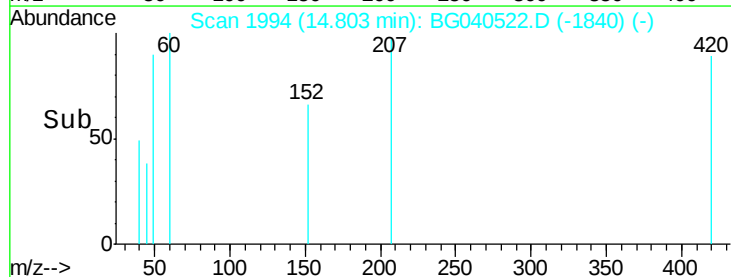
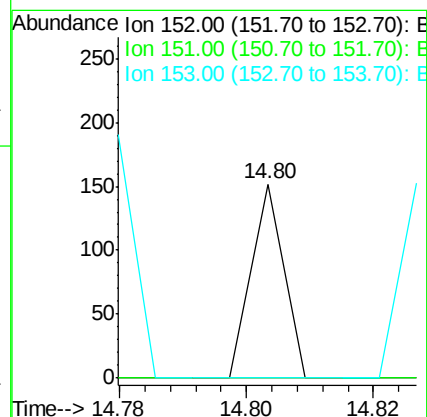
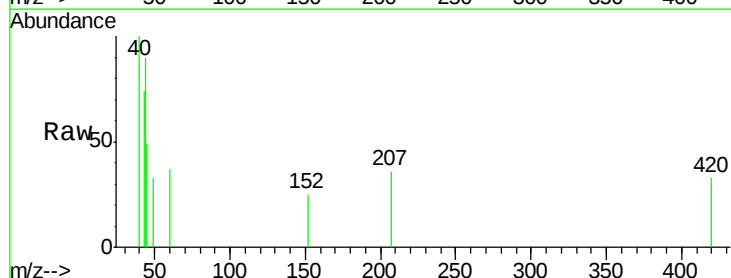
Tgt Ion: 152 Resp: 54

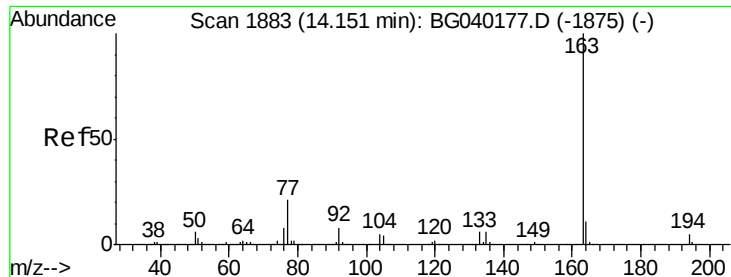
Ion Ratio Lower Upper

152 100

151 0.0 17.0 25.6#

153 0.0 10.8 16.2#





#50

Dimethylphthalate

Concen: 15.429 ng

RT: 14.22 min Scan# 1894

Delta R.T. 0.06 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :

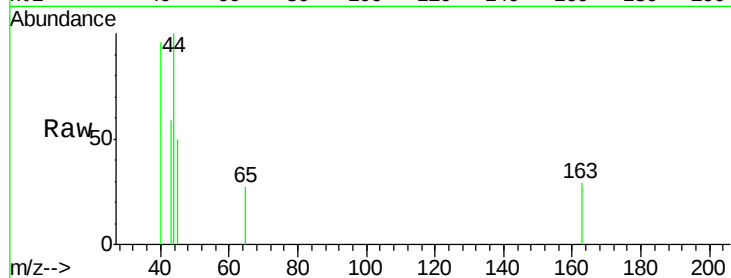
Tot Ion:163 Resp: 64

Ion Ratio Lower Upper

163 100

194 0.0 4.1 6.1#

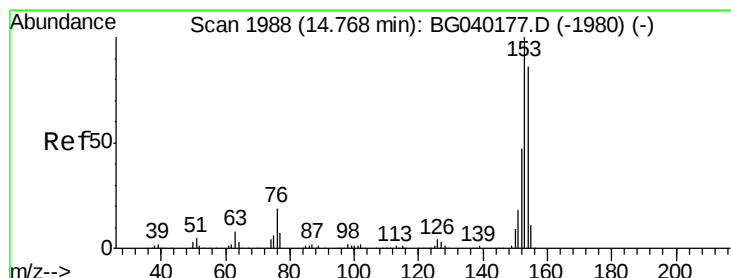
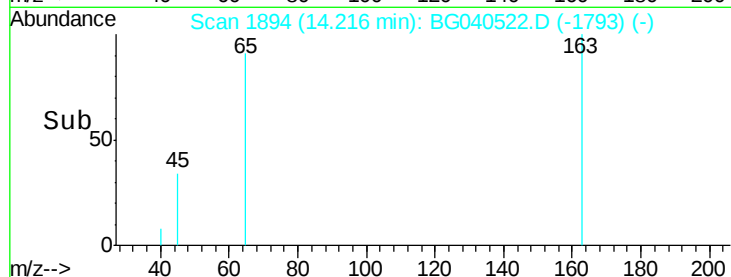
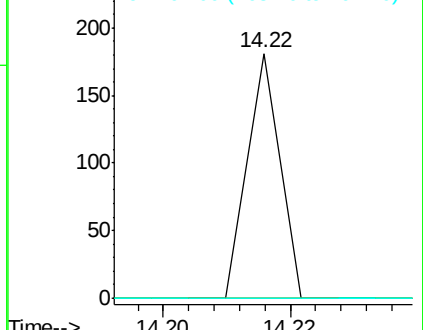
164 0.0 8.6 13.0#



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



#52

Acenaphthene

Concen: 545.377 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.02 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

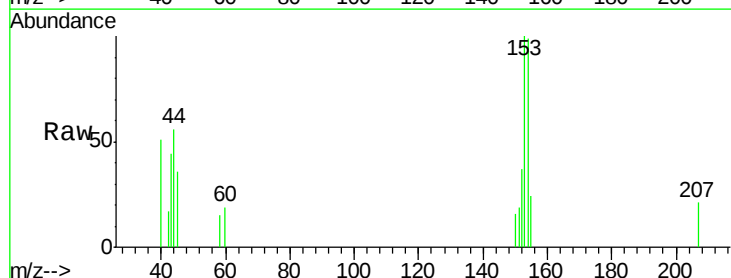
Tgt Ion:154 Resp: 1702

Ion Ratio Lower Upper

154 100

153 101.4 92.8 139.2

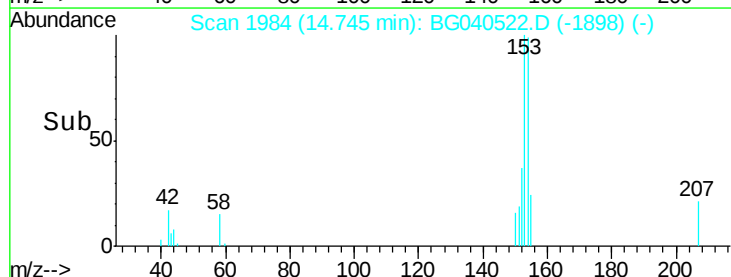
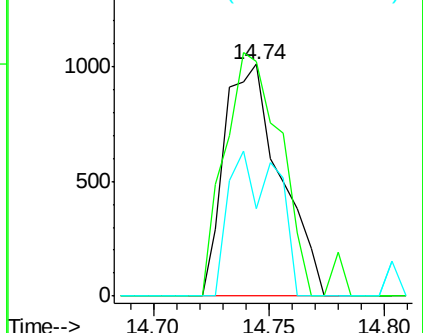
152 37.8 43.4 65.2#

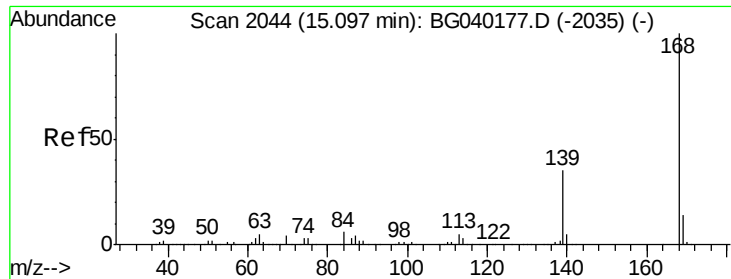


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

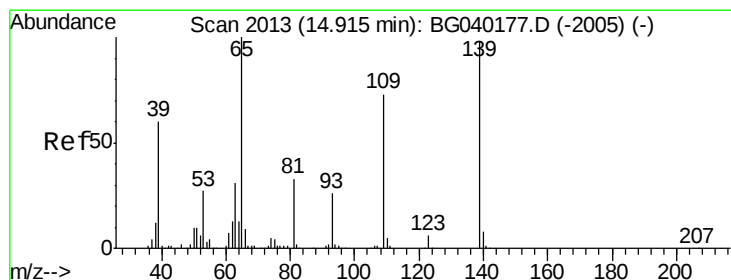
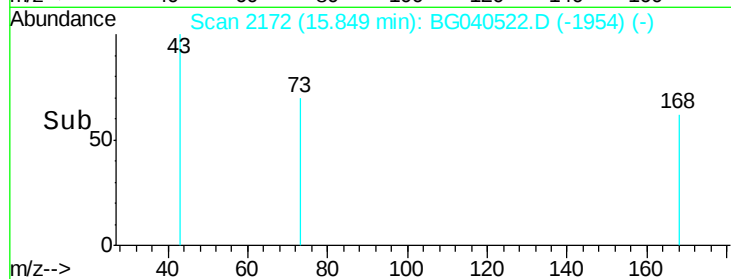
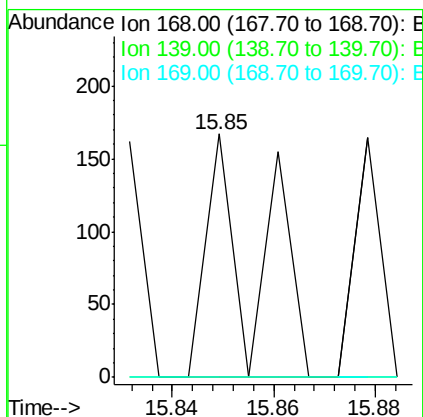
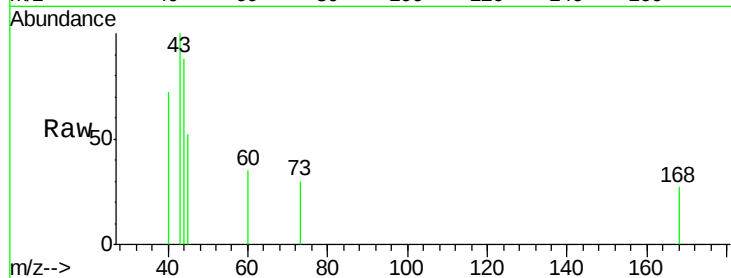




#55
Dibenzofuran
Concen: 22.534 ng
RT: 15.85 min Scan# 2172
Delta R.T. 0.75 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

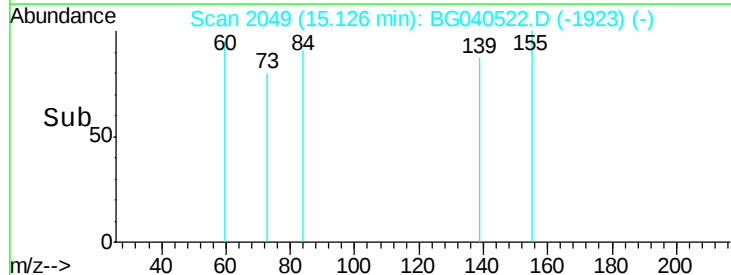
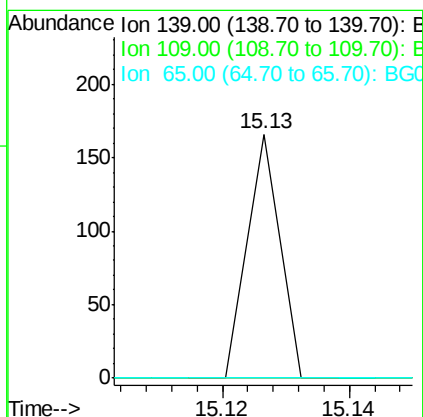
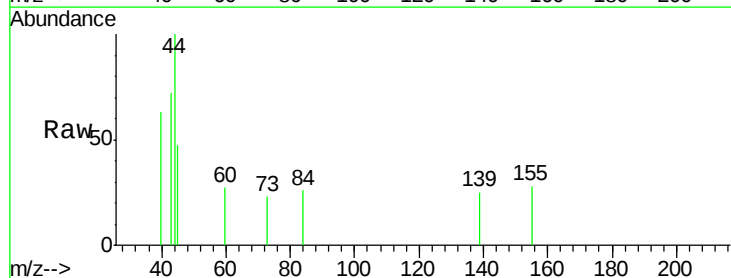
Instrument :
BNA_G
ClientSampleId :

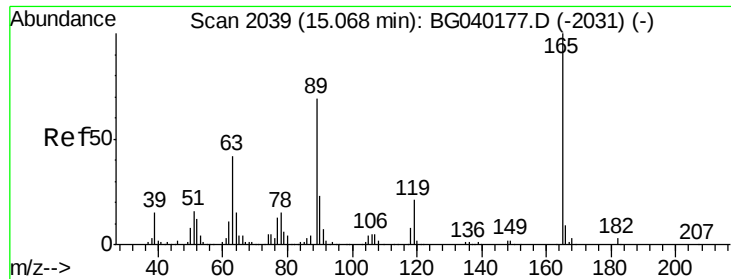
Tot Ion:168 Resp: 113
Ion Ratio Lower Upper
168 100
139 0.0 27.9 41.9#
169 0.0 11.3 16.9#



#56
4-Nitrophenol
Concen: 74.149 ng
RT: 15.13 min Scan# 2049
Delta R.T. 0.21 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 0.0 54.3 94.3#
65 0.0 82.5 122.5#

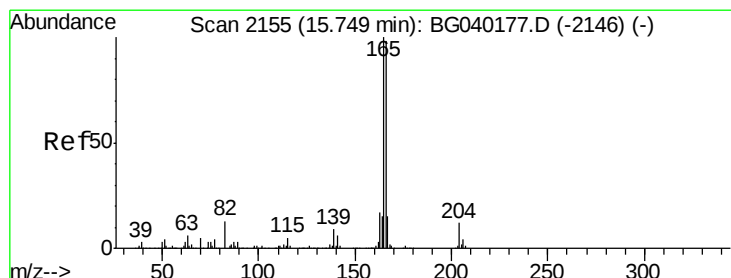
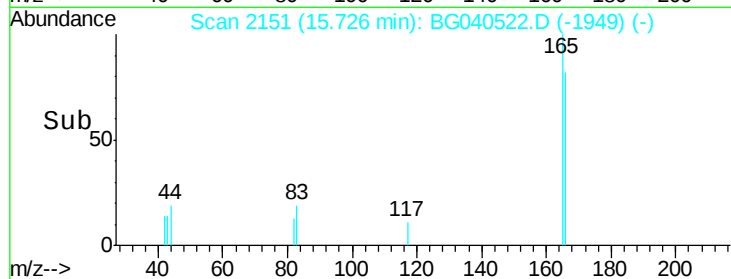
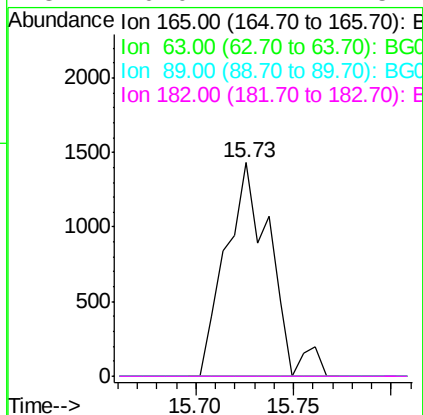
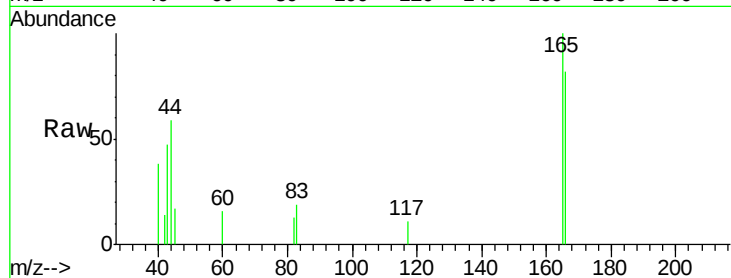




#57
 2,4-Dinitrotoluene
 Concen: 1756.362 ng
 RT: 15.73 min Scan# 2151
 Delta R.T. 0.66 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

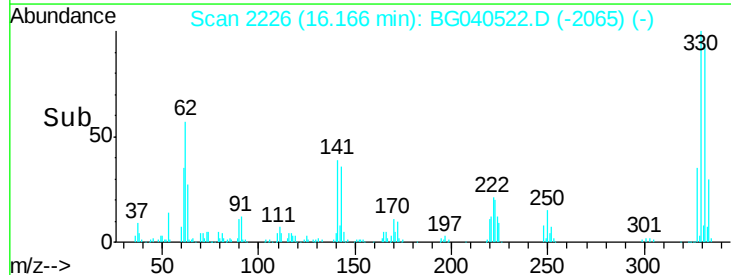
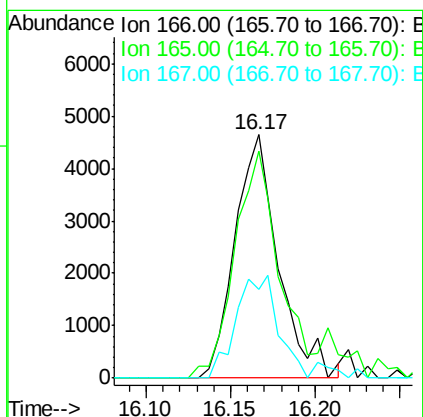
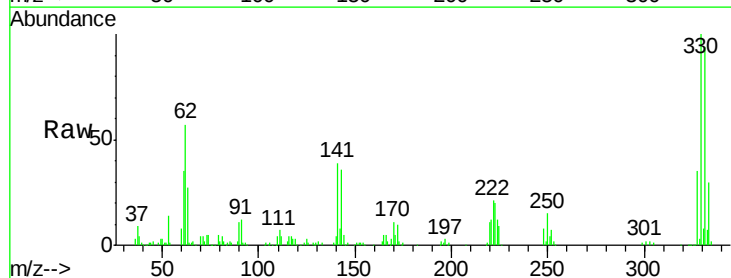
Instrument :
 BNA_G
 ClientSampleId :

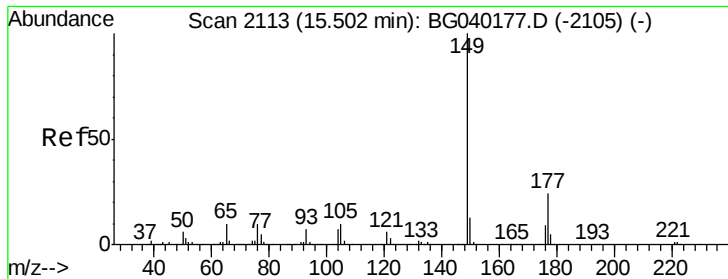
Tot Ion:165 Resp: 2273
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.8 50.6#
 89 0.0 55.4 83.2#
 182 0.0 2.2 3.4#



#58
 Fluorene
 Concen: 2119.914 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. 0.42 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion:166 Resp: 8358
 Ion Ratio Lower Upper
 166 100
 165 93.2 81.7 122.5
 167 36.2 11.9 17.9#

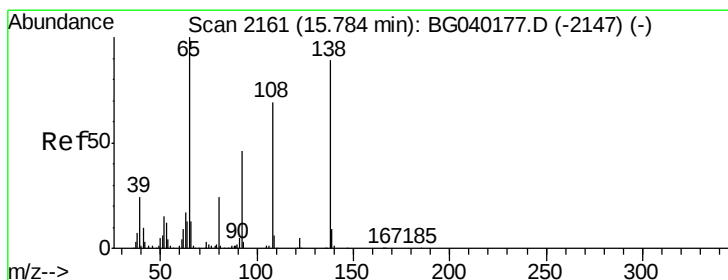
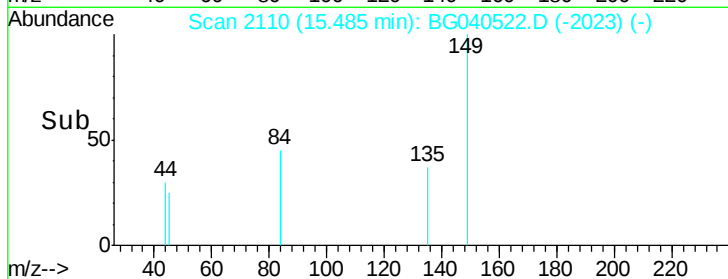
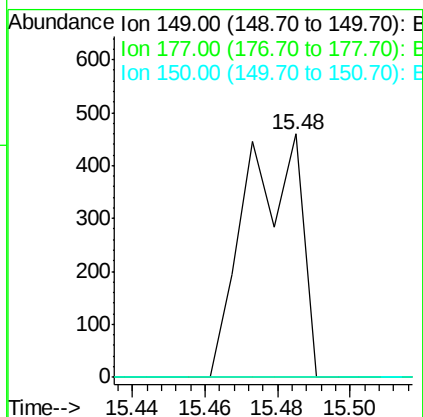
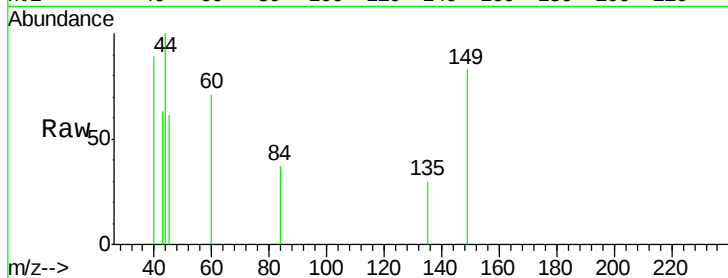




#60
 Diethylphthalate
 Concen: 114.734 ng
 RT: 15.48 min Scan# 2110
 Delta R.T. -0.02 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

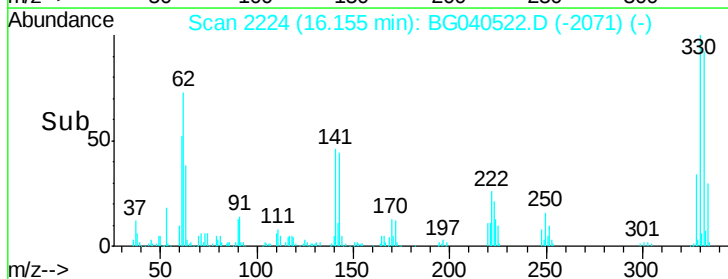
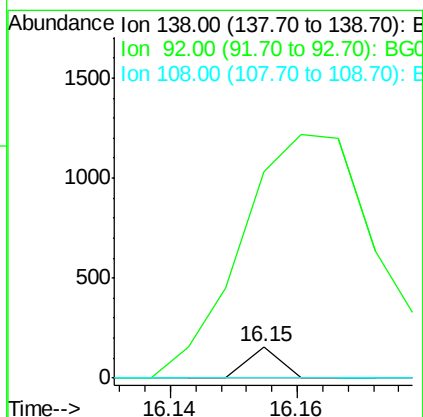
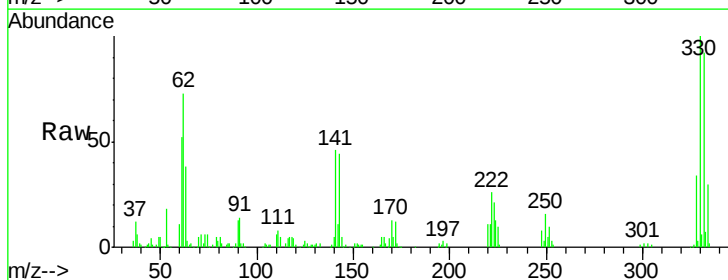
Instrument :
 BNA_G
 ClientSampleId :

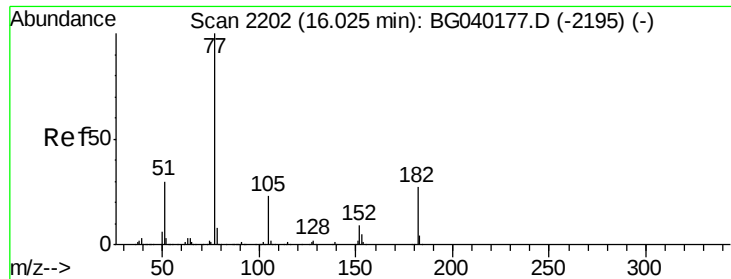
Tot Ion	Ratio	Lower	Upper
149	100		
177	0.0	19.1	28.7#
150	0.0	10.6	15.8#



#62
 4-Nitroaniline
 Concen: 51.984 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.37 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion	Ratio	Lower	Upper
138	100		
92	658.0	31.8	71.8#
108	0.0	57.2	97.2#





#63

Azobenzene

Concen: 30.222 ng

RT: 16.55 min Scan# 2292

Delta R.T. 0.53 min

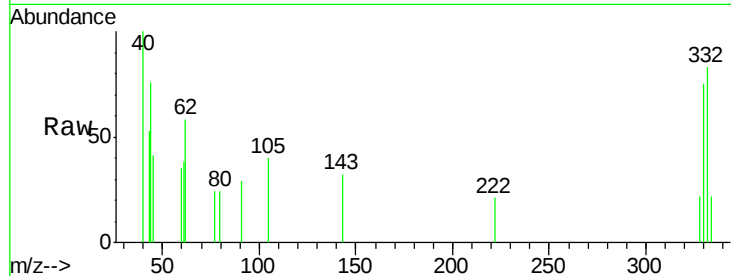
Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :



Tot Ion: 77 Resp: 121

Ion Ratio Lower Upper

77 100

182 0.0 7.2 47.2#

105 162.6 2.8 42.8#

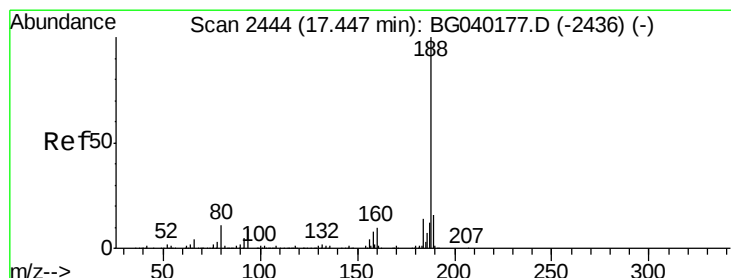
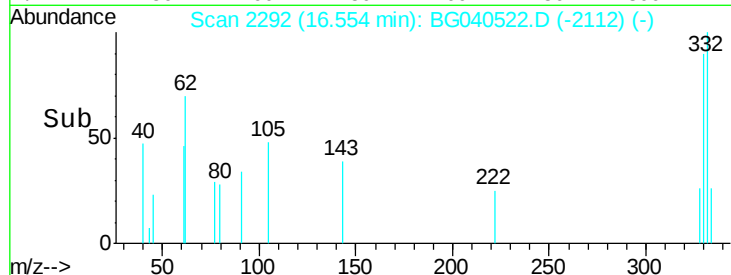
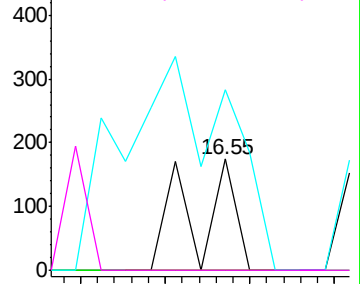
51 0.0 10.4 50.4#

Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Tgt Ion: 188 Resp: 54

Ion Ratio Lower Upper

188 100

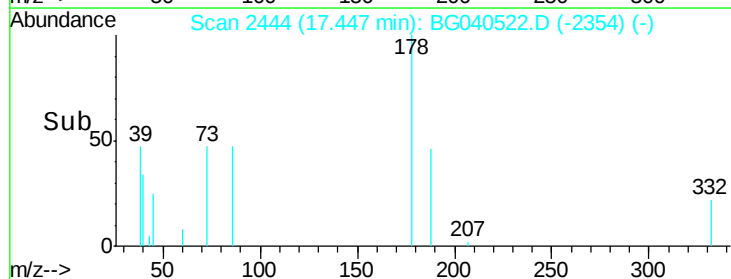
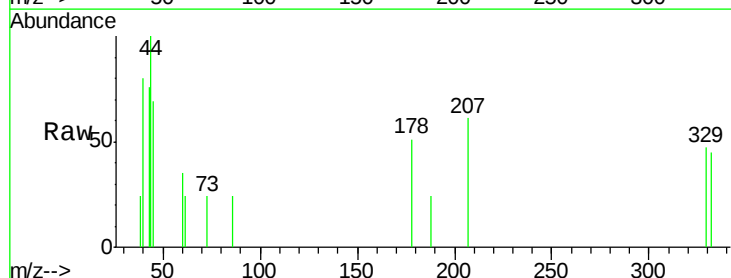
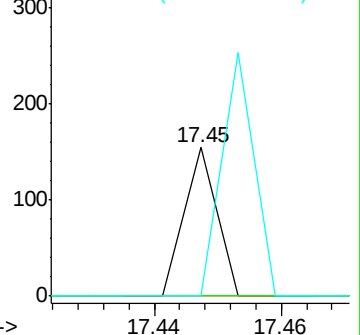
94 0.0 7.0 10.4#

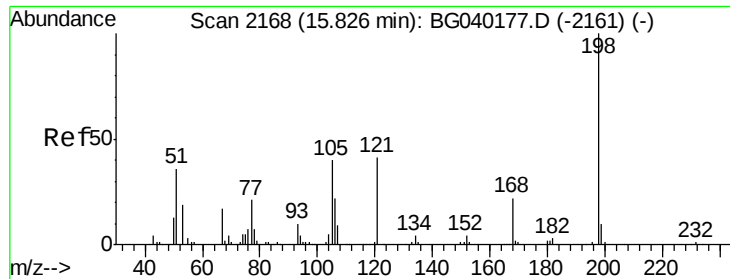
80 0.0 8.6 13.0#

Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

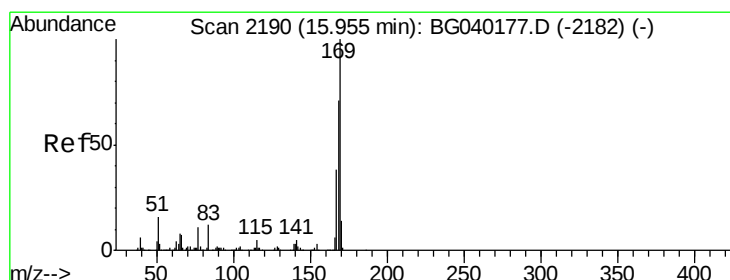
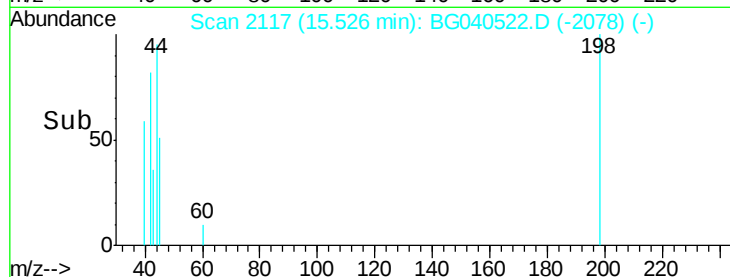
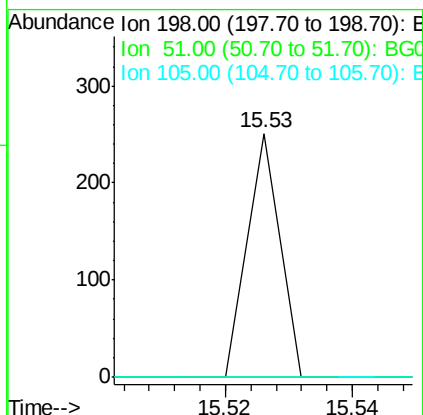
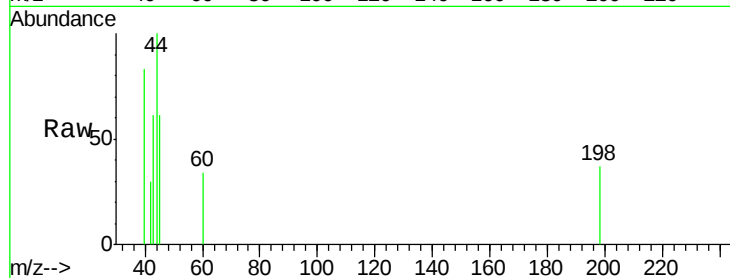




#65
4,6-Dinitro-2-methylphenol
Concen: 290.064 ng
RT: 15.53 min Scan# 2117
Delta R.T. -0.30 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

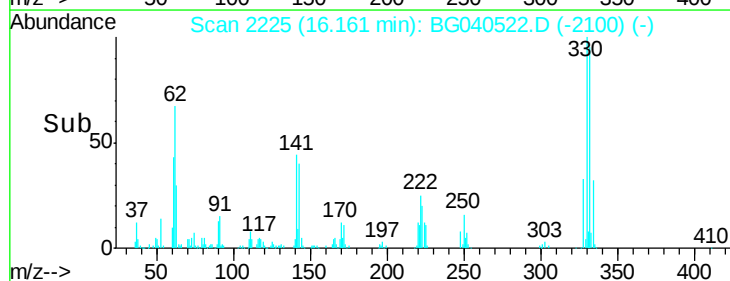
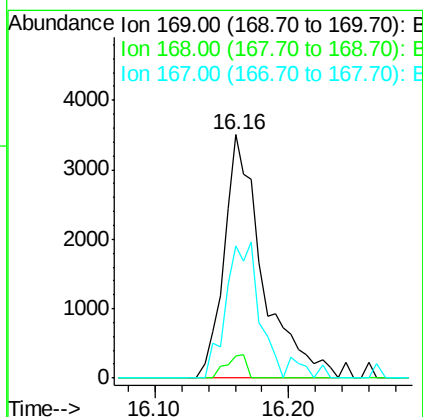
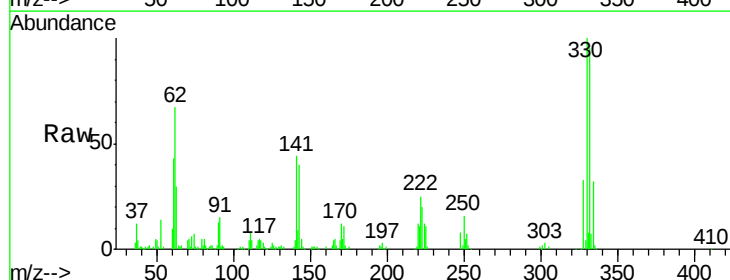
Instrument :
BNA_G
ClientSampleId :

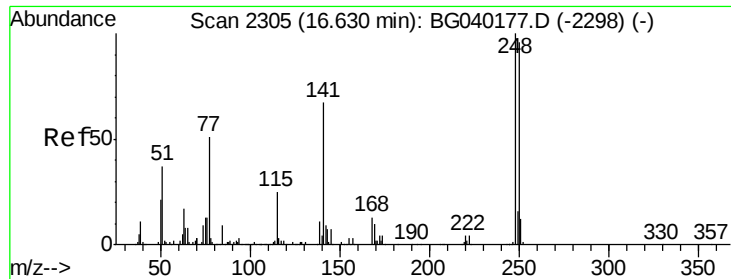
Tot Ion:198 Resp: 88
Ion Ratio Lower Upper
198 100
51 0.0 27.3 67.3#
105 0.0 21.7 61.7#



#66
n-Nitrosodiphenylamine
Concen: 4464.649 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.21 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Tgt Ion:169 Resp: 7055
Ion Ratio Lower Upper
169 100
168 9.0 56.8 85.2#
167 54.2 30.2 45.4#

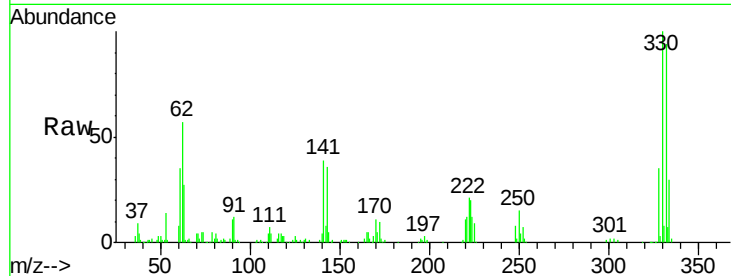




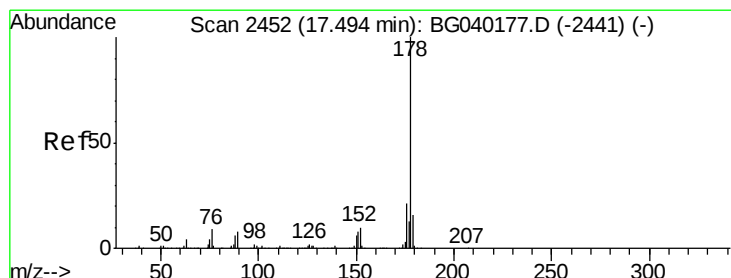
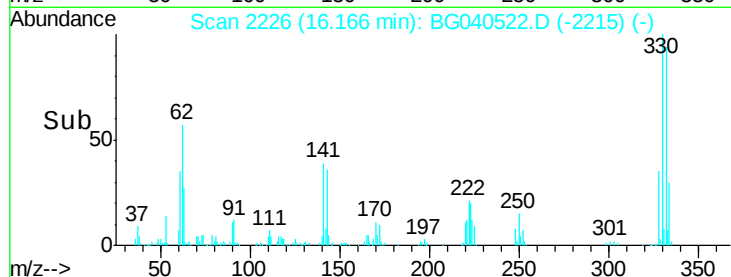
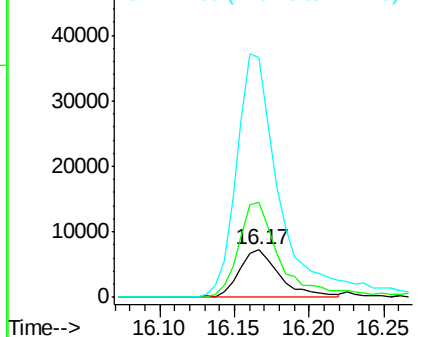
#67
 4-Bromophenyl-phenylether
 Concen: 22388.160 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13605
 Ion Ratio Lower Upper
 248 100
 250 201.6 76.4 114.6#
 141 506.4 53.8 80.8#

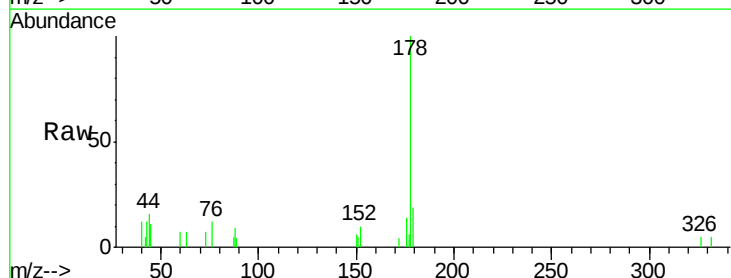


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

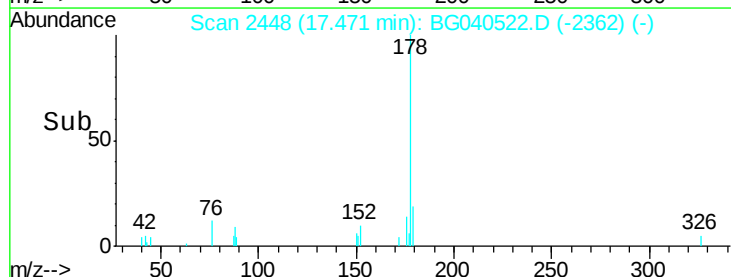
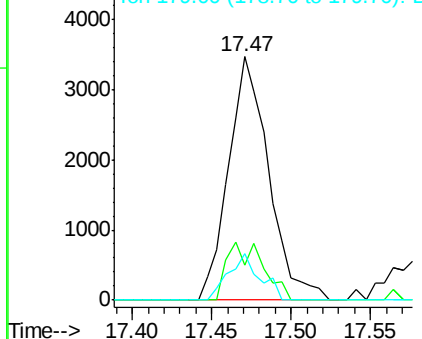


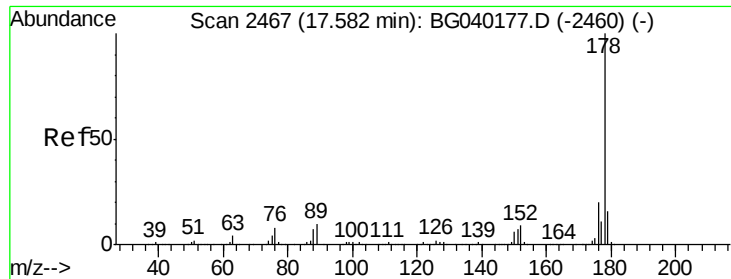
#71
 Phenanthrene
 Concen: 2151.260 ng
 RT: 17.47 min Scan# 2448
 Delta R.T. -0.02 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion:178 Resp: 6106
 Ion Ratio Lower Upper
 178 100
 176 14.5 16.7 25.1#
 179 18.9 12.8 19.2



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

Anthracene

Concen: 294.972 ng

RT: 17.58 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampled :

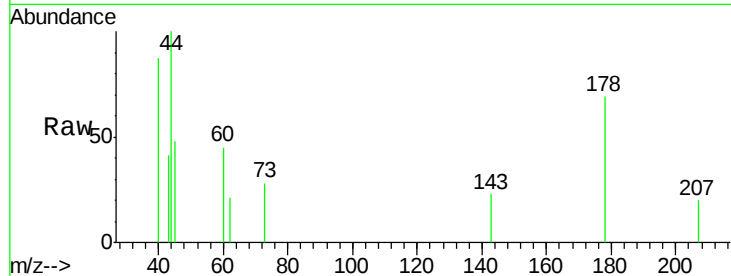
Tot Ion:178 Resp: 838

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

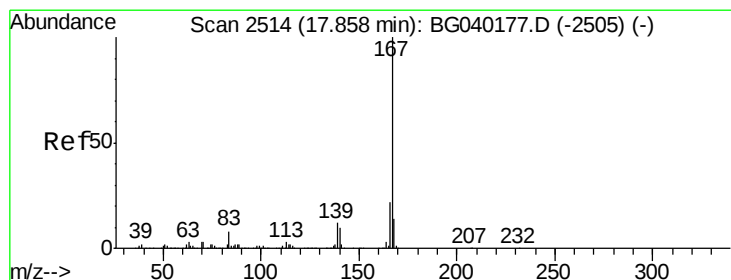
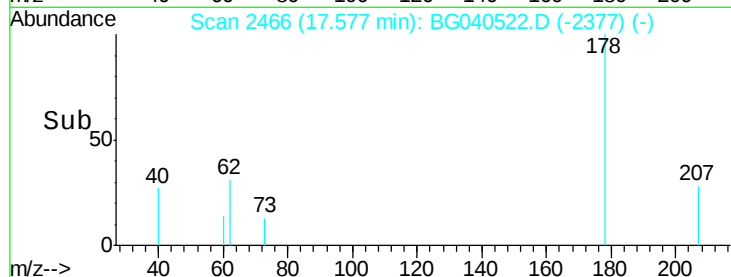
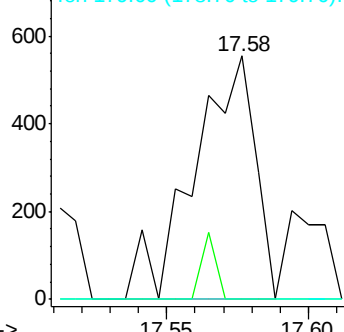
179 0.0 12.9 19.3#



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



#73

Carbazole

Concen: 25.292 ng

RT: 17.85 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

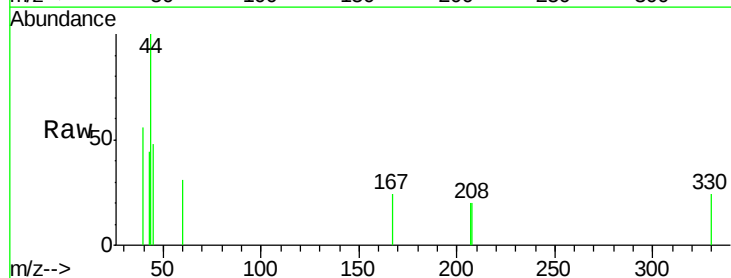
Tgt Ion:167 Resp: 68

Ion Ratio Lower Upper

167 100

166 0.0 17.5 26.3#

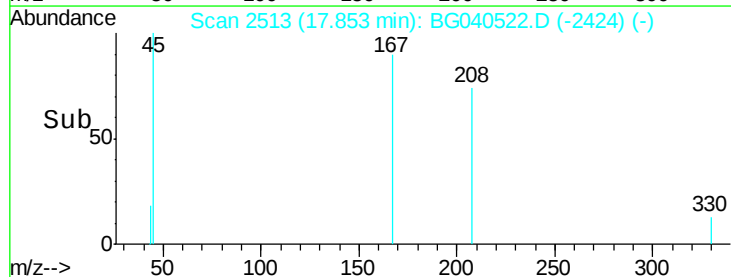
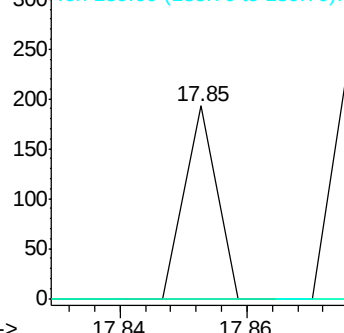
139 0.0 10.0 15.0#

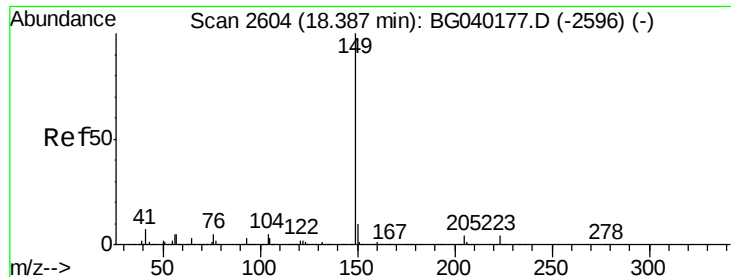


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 744.593 ng

RT: 18.36 min Scan# 2600

Delta R.T. -0.02 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :

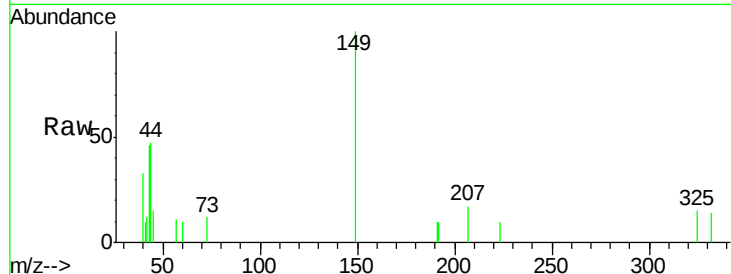
Tot Ion:149 Resp: 2373

Ion Ratio Lower Upper

149 100

150 0.0 7.9 11.9#

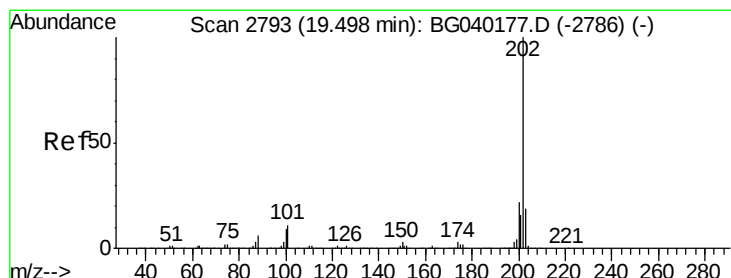
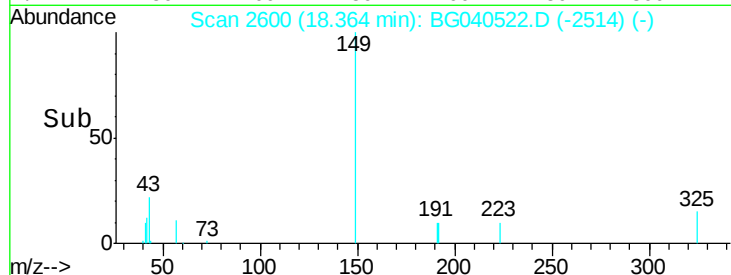
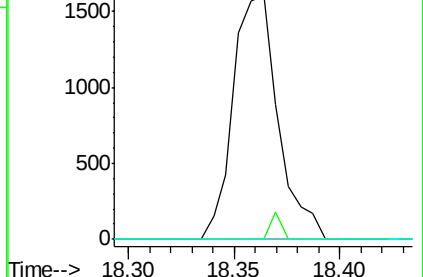
104 0.0 4.1 6.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 309.436 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.02 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

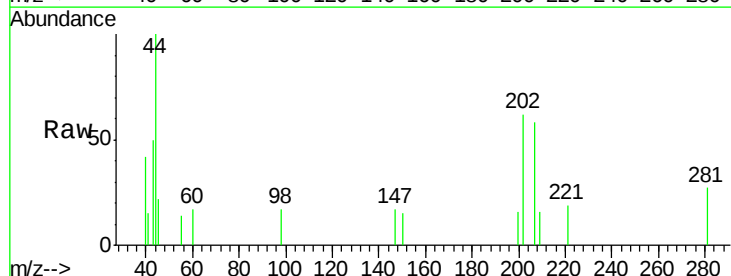
Tgt Ion:202 Resp: 1040

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.8

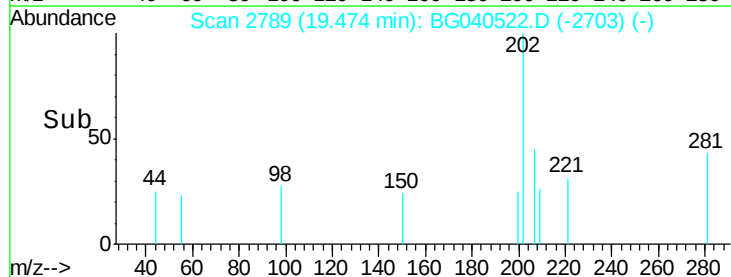
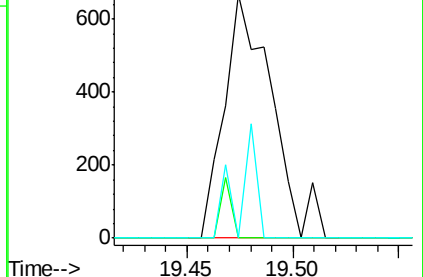
203 0.0 0.0 38.9

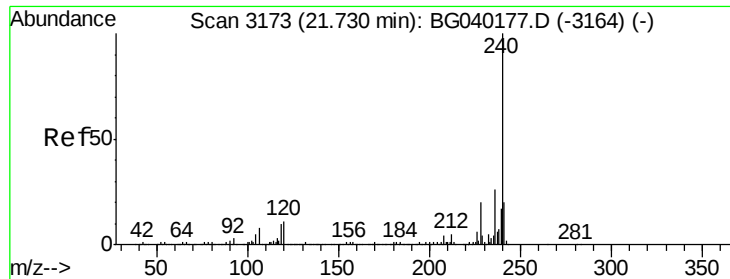


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

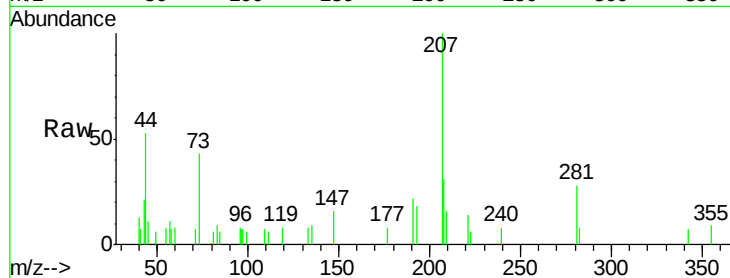




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.05 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

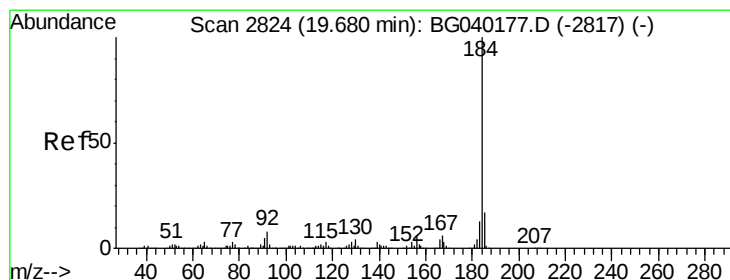
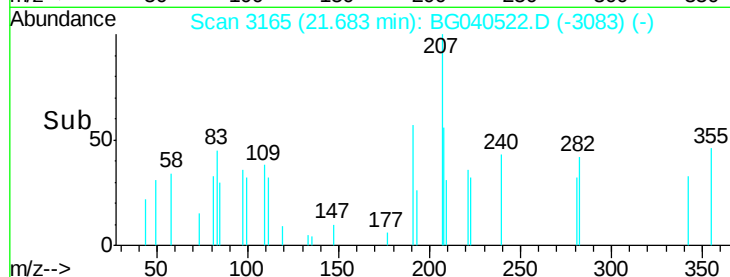
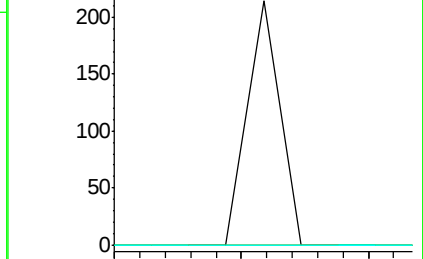
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:240 Resp: 75
 Ion Ratio Lower Upper
 240 100
 120 0.0 8.4 12.6#
 236 0.0 20.8 31.2#



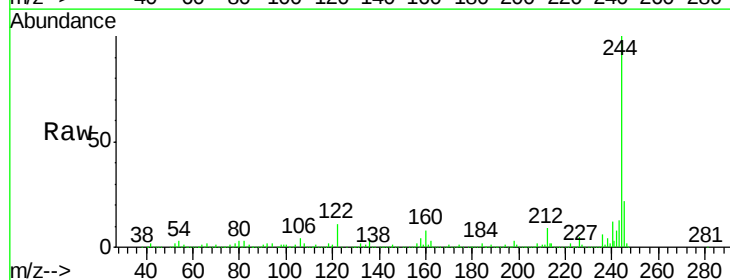
Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

21.68



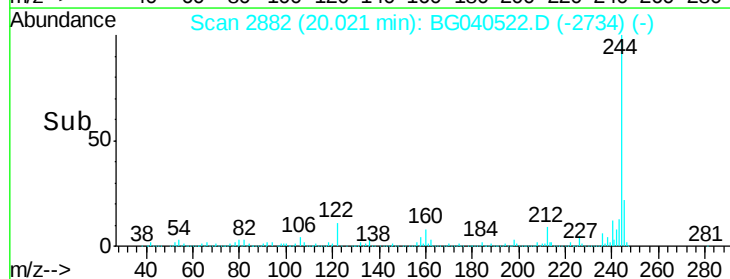
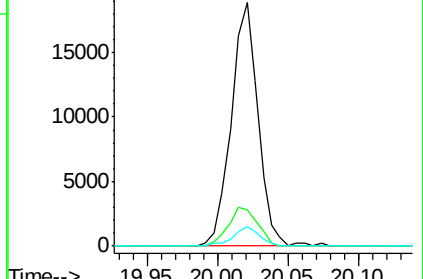
#77
 Benzidine
 Concen: 9189.786 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. 0.34 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

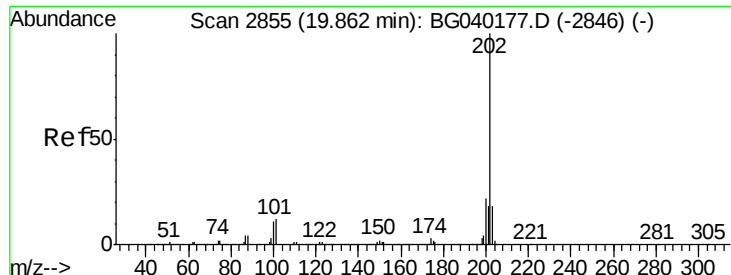
Tgt Ion:184 Resp: 24889
 Ion Ratio Lower Upper
 184 100
 185 15.0 13.3 19.9
 183 8.2 10.3 15.5#



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

20.02





#78

Pvrene

Concen: 133.817 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :

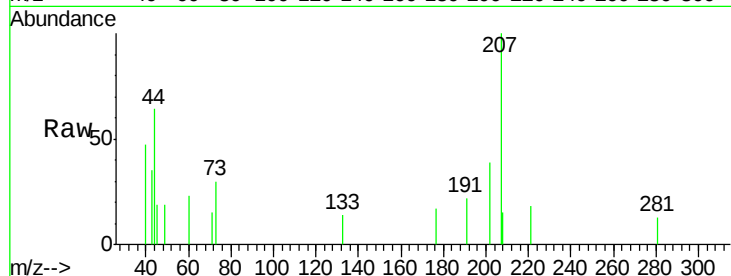
Tot Ion:202 Resp: 660

Ion Ratio Lower Upper

202 100

200 0.0 17.3 25.9#

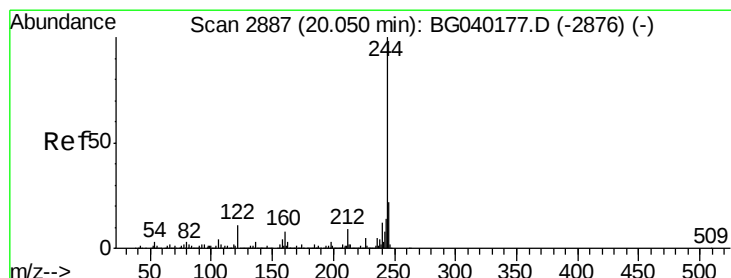
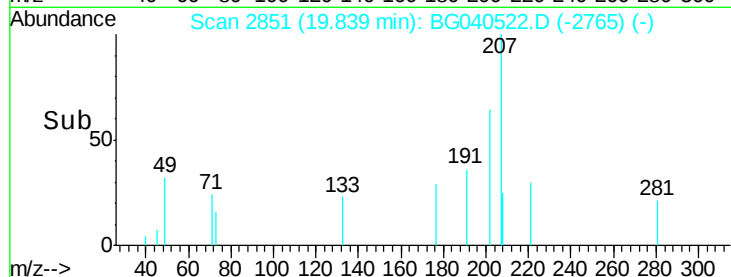
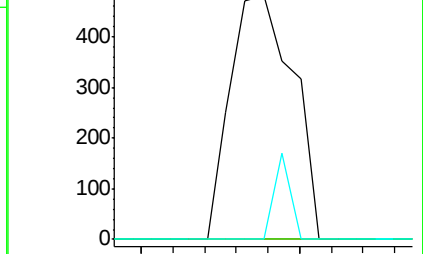
203 0.0 14.6 22.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 434498.294 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

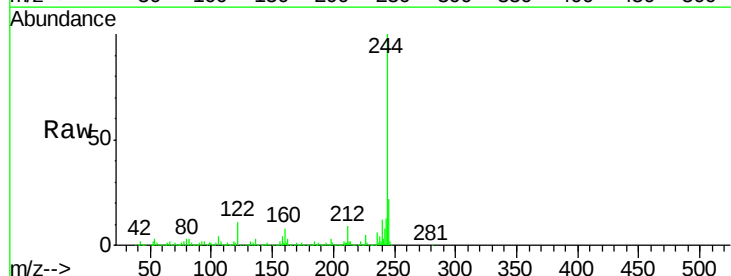
Tgt Ion:244 Resp: 1448551

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

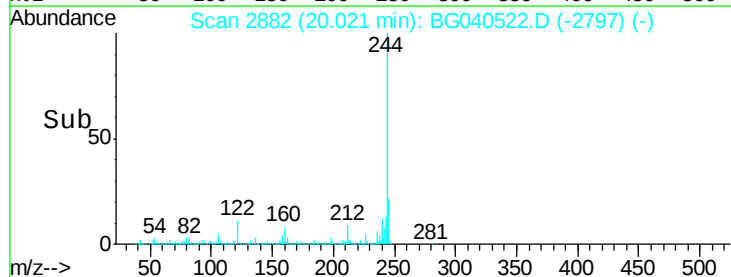
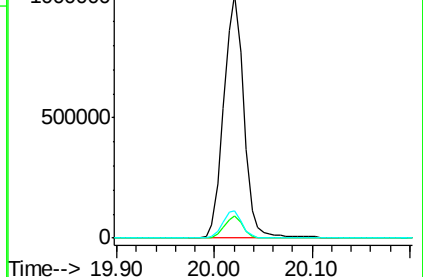
122 11.2 8.5 12.7

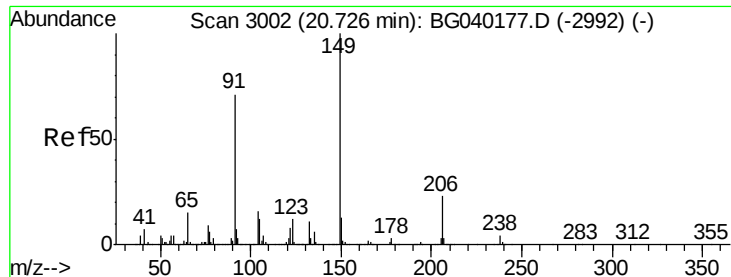


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

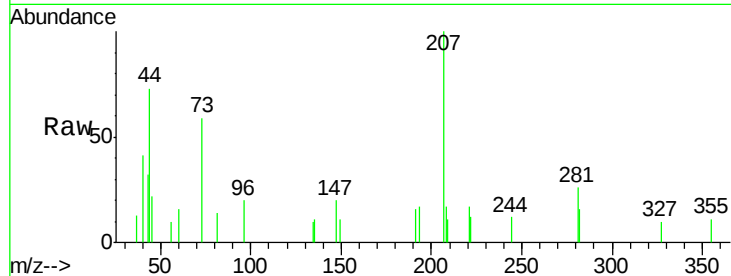




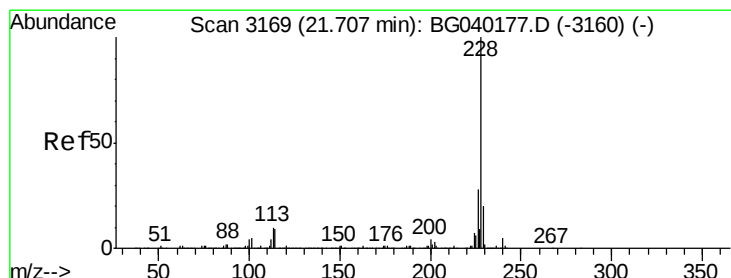
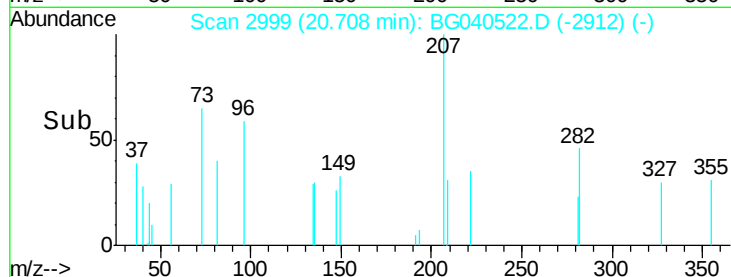
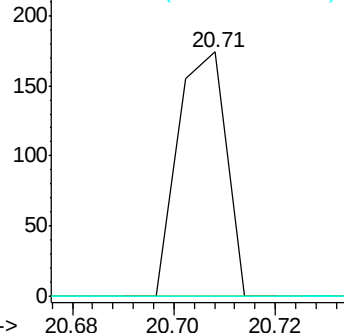
#80
Butylbenzylphthalate
Concen: 54.963 ng
RT: 20.71 min Scan# 2999
Delta R.T. -0.02 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	57.0	85.4#
206	0.0	18.2	27.4#

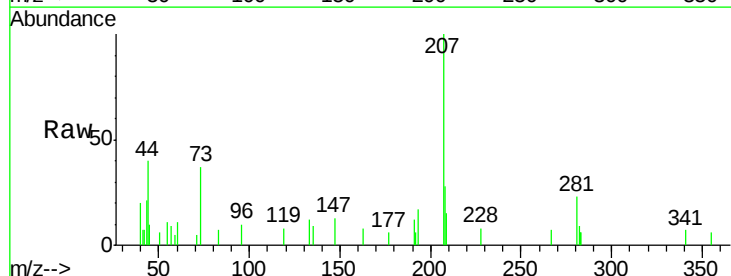


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

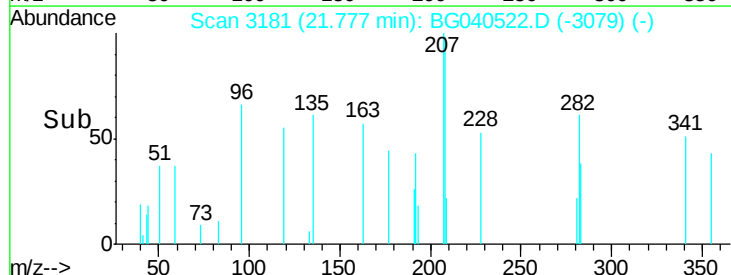
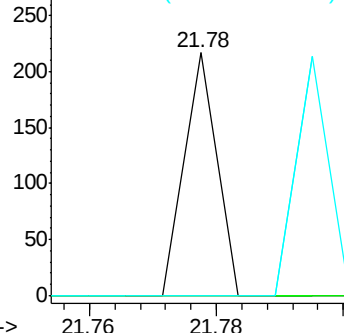


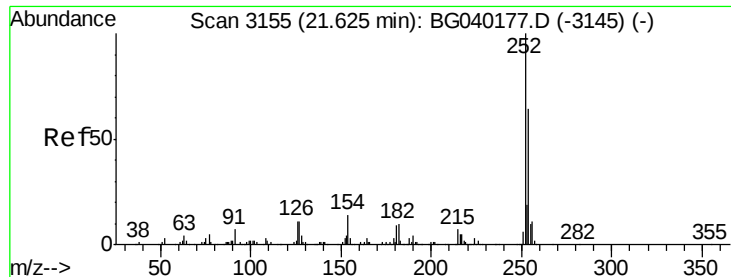
#81
Benzo(a)anthracene
Concen: 16.452 ng
RT: 21.78 min Scan# 3181
Delta R.T. 0.07 min
Lab File: BG040522.D
Acq: 17 Apr 2019 4:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.6	34.0#
229	0.0	16.1	24.1#



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

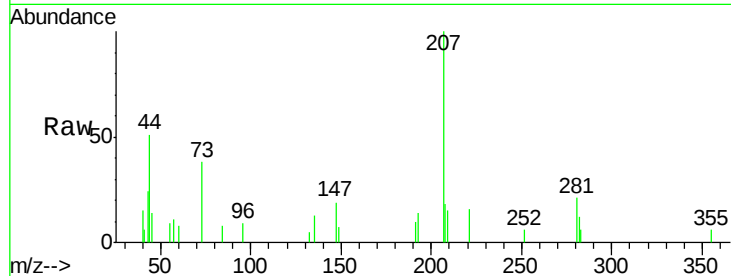




#82
 3,3'-Dichlorobenzidine
 Concen: 31.298 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.11 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.4	77.2#
126	0.0	8.5	12.7#



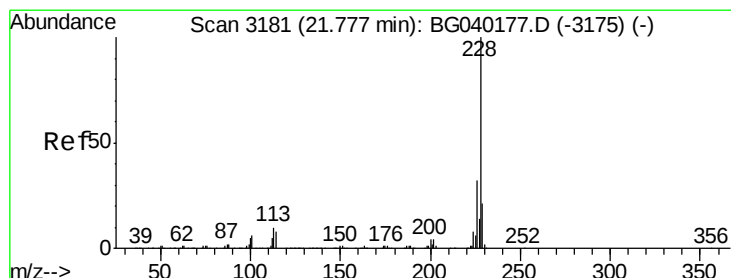
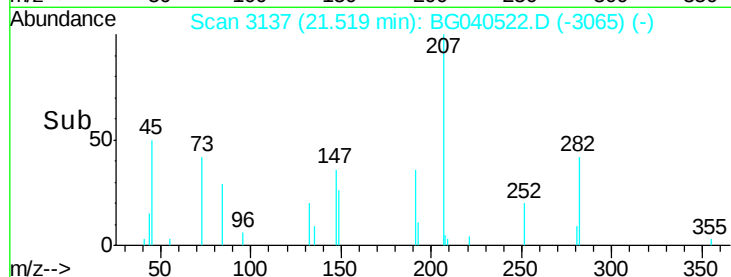
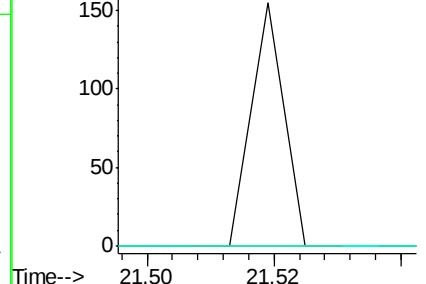
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

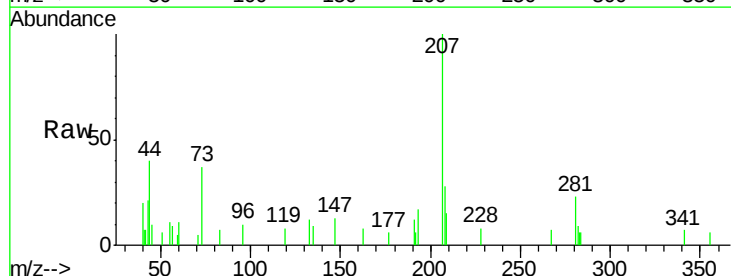
Ion 126.00 (125.70 to 126.70): E

21.52



#83
 Chrysene
 Concen: 17.118 ng
 RT: 21.78 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: BG040522.D
 Acq: 17 Apr 2019 4:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	25.4	38.0#
229	0.0	17.0	25.4#



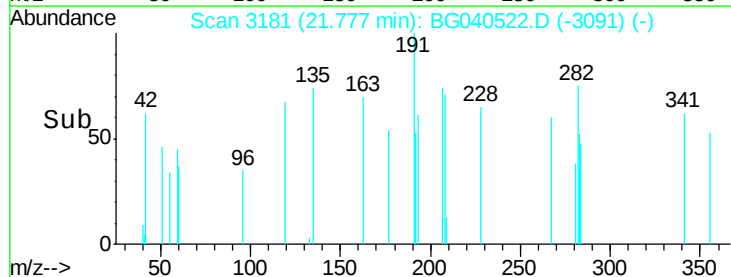
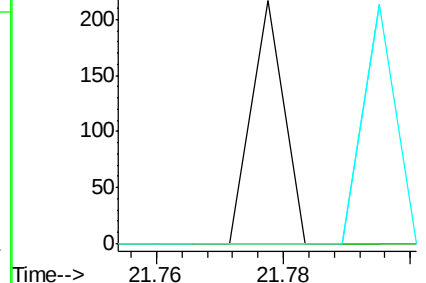
Abundance

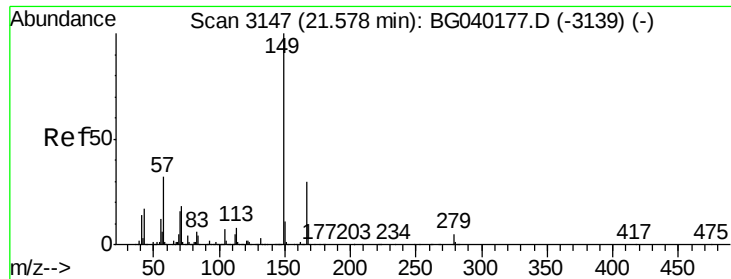
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.78





#84

Bis(2-ethylhexyl)phthalate

Concen: 300.639 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.04 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :

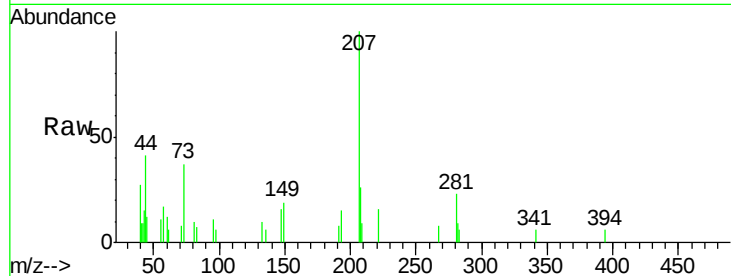
Tot Ion:149 Resp: 907

Ion Ratio Lower Upper

149 100

167 0.0 24.1 36.1#

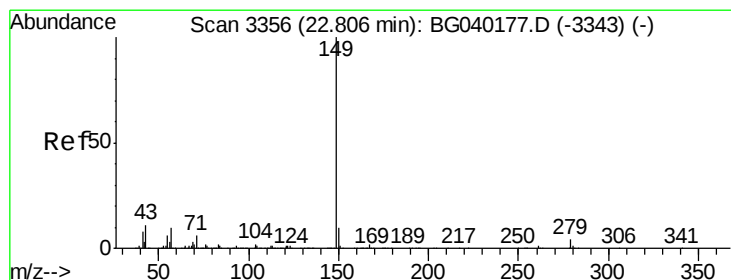
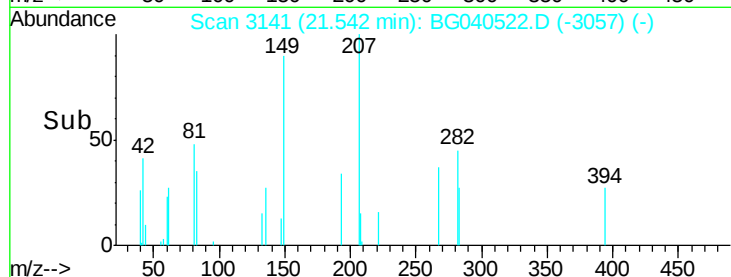
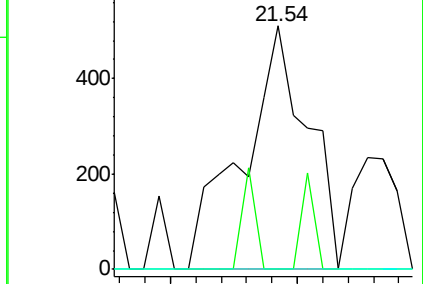
279 0.0 4.1 6.1#



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

Di-n-octyl phthalate

Concen: 12.062 ng

RT: 22.75 min Scan# 3346

Delta R.T. -0.06 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

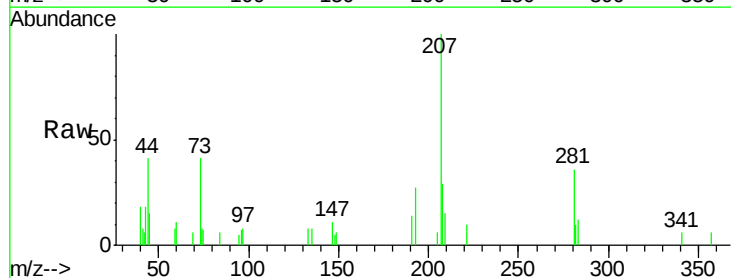
Tgt Ion:149 Resp: 62

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

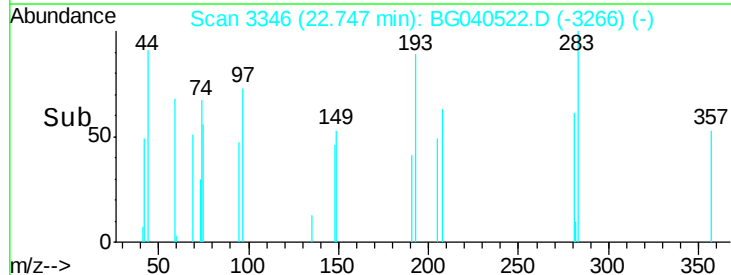
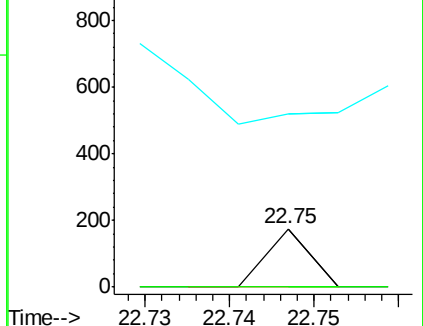
43 0.0 8.7 13.1#

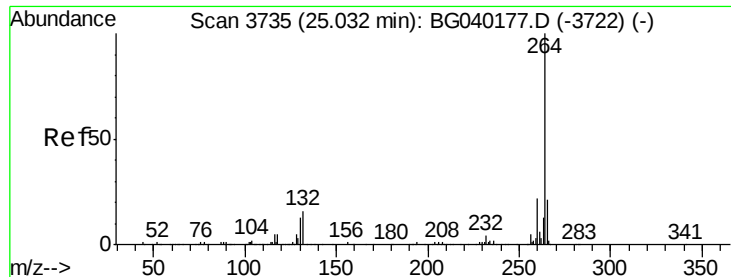


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3740

Delta R.T. 0.03 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampled :

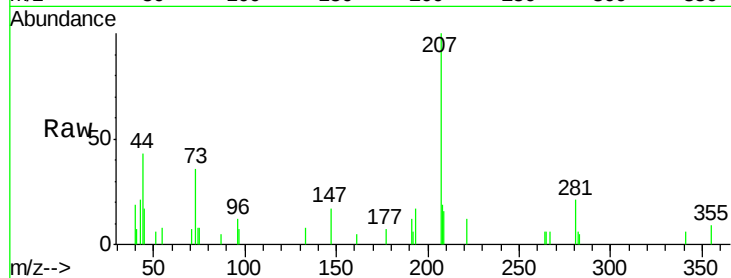
Tot Ion:264 Resp: 62

Ion Ratio Lower Upper

264 100

260 0.0 17.9 26.9#

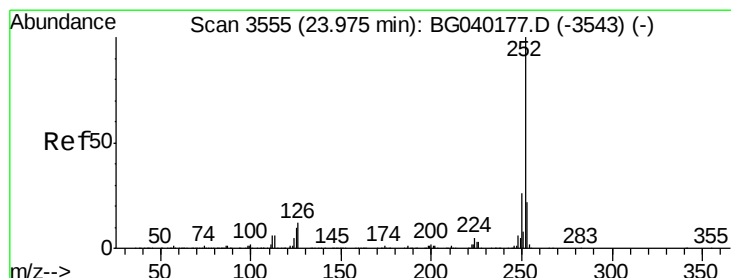
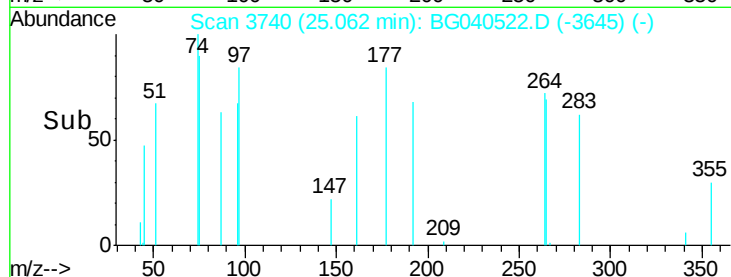
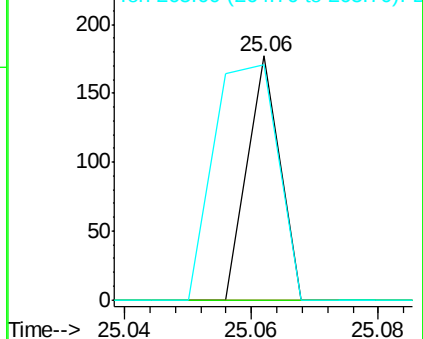
265 96.6 16.8 25.2#



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



#88

Benzo(b)fluoranthene

Concen: 17.124 ng

RT: 23.96 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

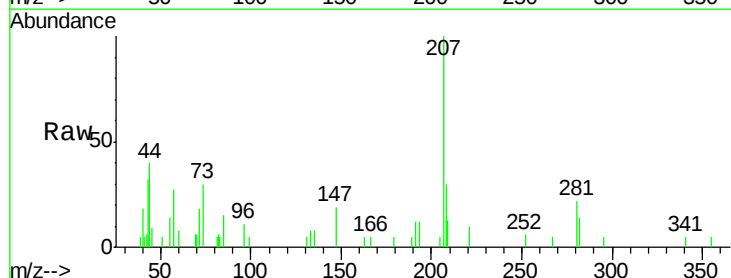
Tgt Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

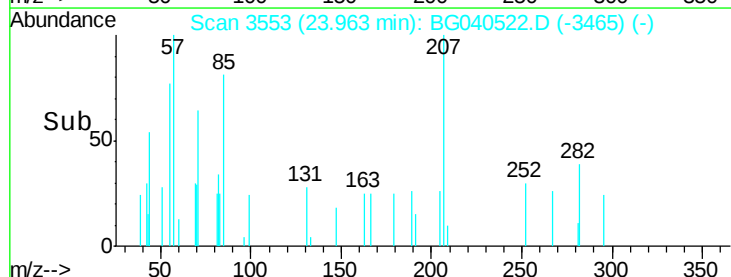
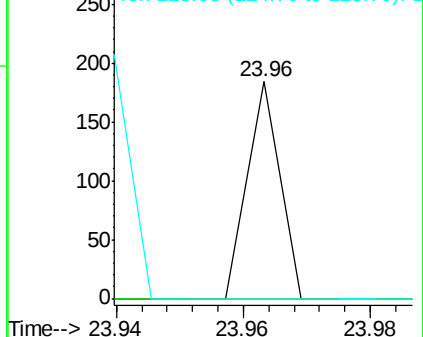
125 0.0 8.2 12.4#

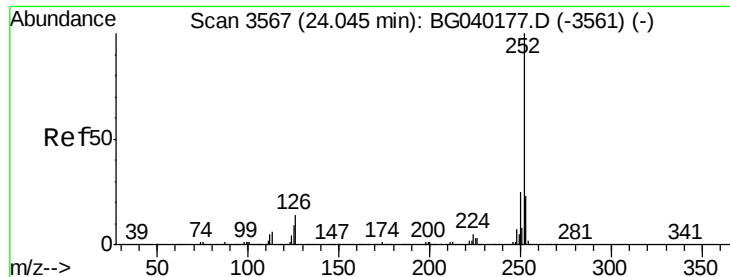


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 18.621 ng

RT: 23.96 min Scan# 3553

Delta R.T. -0.08 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Instrument :

BNA_G

ClientSampleId :

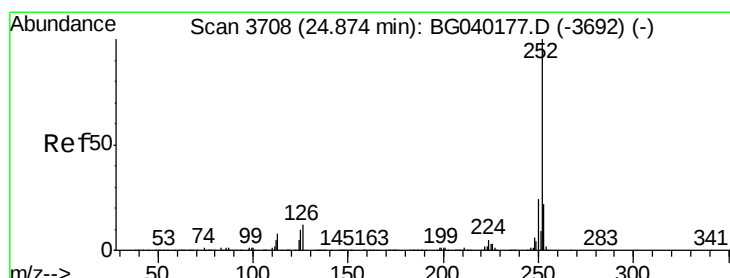
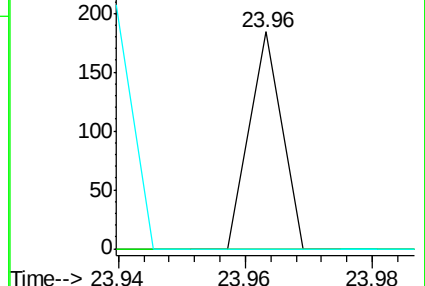
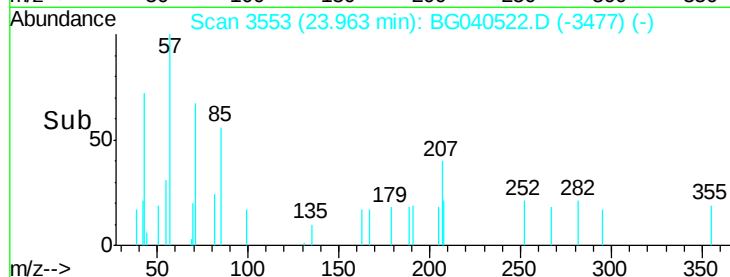
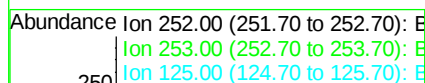
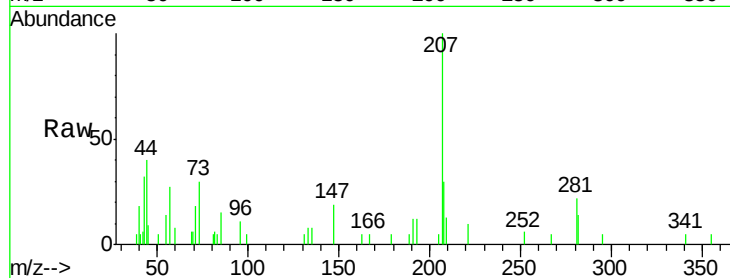
Tot Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 0.0 18.6 28.0#

125 0.0 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 19.374 ng

RT: 24.91 min Scan# 3714

Delta R.T. 0.04 min

Lab File: BG040522.D

Acq: 17 Apr 2019 4:15

Tgt Ion:252 Resp: 69

Ion Ratio Lower Upper

252 100

253 79.7 17.8 26.8#

125 0.0 8.3 12.5#

