

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041219\
 Data File : BG040458.D
 Acq On : 12 Apr 2019 12:47
 Operator : JU/SJ
 Sample : IDOCSS-BL
 Misc : SOIL IDOC BL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 22:39:53 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	56490	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	227270	20.00	ng	-0.03
39) Acenaphthene-d10	14.68	164	149951	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	395902	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	408042	20.00	ng	-0.04
87) Perylene-d12	24.98	264	412053	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	292161	85.98	ng	-0.02
7) Phenol-d6	7.20	99	406349	86.53	ng	-0.03
23) Nitrobenzene-d5	9.22	82	244145	57.10	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	144202	88.98	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	581154	57.43	ng	-0.03
79) Terphenyl-d14	20.02	244	1048321	57.80	ng	-0.03

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	249	0.156	ng	# 1
3) Pyridine	4.26	79	54	0.013	ng	# 1
4) n-Nitrosodimethylamine	3.82	42	237	0.119	ng	# 1
6) Aniline	7.57	93	533	0.087	ng	# 1
9) Benzaldehyde	7.21	77	759	0.236	ng	# 2
10) Phenol	7.22	94	1186	0.233	ng	# 1
11) bis(2-Chloroethyl)ether	7.57	93	533	0.131	ng	# 1
15) Benzyl Alcohol	8.37	79	3853	1.019	ng	# 54
16) 2,2'-oxybis(1-Chloropropan	8.88	45	59	0.008	ng	# 73
19) n-Nitroso-di-n-propylamine	9.22	70	29590	8.788	ng	# 72
20) 3+4-Methylphenols	9.24	107	64	0.013	ng	# 5
22) Acetophenone	8.88	105	119	0.021	ng	# 1
24) Nitrobenzene	9.22	77	694	0.157	ng	# 32
25) Isophorone	9.57	82	558	0.063	ng	# 67
37) 2-Methylnaphthalene	12.14	142	57	0.007	ng	# 15
46) 1,1'-Biphenyl	13.51	154	756	0.064	ng	# 41
47) 2-Chloronaphthalene	13.35	162	62	0.007	ng	# 39
48) 2-Nitroaniline	13.65	65	56	0.018	ng	# 4
49) Acenaphthylene	14.58	152	55	0.004	ng	# 59
50) Dimethylphthalate	14.12	163	56639	4.826	ng	# 99
51) 2,6-Dinitrotoluene	14.12	165	656	0.249	ng	# 18
52) Acenaphthene	14.73	154	73	0.008	ng	# 3
56) 4-Nitrophenol	15.08	139	56	0.025	ng	# 5
57) 2,4-Dinitrotoluene	14.68	165	19432	5.307	ng	# 26
58) Fluorene	16.16	166	6979	0.626	ng	# 83
59) 2,3,4,6-Tetrachlorophenol	15.16	232	57	0.019	ng	# 41
60) Diethylphthalate	15.48	149	665	0.055	ng	# 57
63) Azobenzene	16.02	77	62	0.005	ng	# 48
65) 4,6-Dinitro-2-methylphenol	16.10	198	55	0.025	ng	# 31
66) n-Nitrosodiphenylamine	16.17	169	5622	0.485	ng	# 53
67) 4-Bromophenyl-phenylether	16.16	248	10885	2.443	ng	# 1
71) Phenanthrene	17.47	178	59	0.003	ng	# 58
72) Anthracene	17.58	178	69	0.003	ng	# 59
73) Carbazole	18.02	167	53	0.003	ng	# 59

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 QLast Update : Thu Mar 28 05:47:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

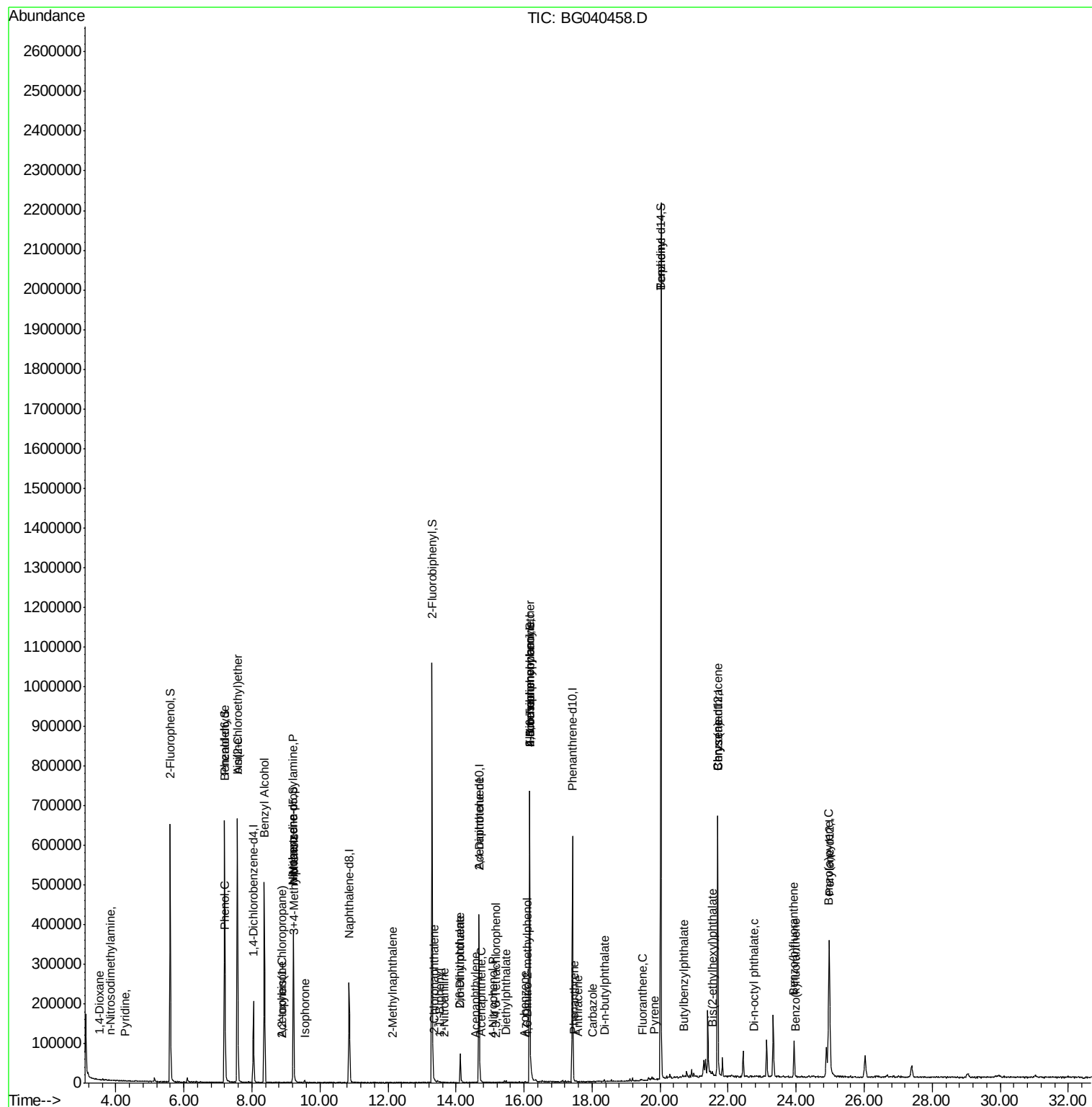
74) Di-n-butylphthalate	18.36	149	2237	0.096	ng	# 70
75) Fluoranthene	19.48	202	55	0.002	ng	63
77) Benzidine	20.02	184	16778	1.139	ng	# 94
78) Pyrene	19.84	202	130	0.005	ng	# 56
80) Butylbenzylphthalate	20.70	149	265	0.023	ng	# 23
81) Benzo(a)anthracene	21.69	228	1378	0.055	ng	# 40
83) Chrysene	21.69	228	1378	0.057	ng	# 39
84) Bis(2-ethylhexyl)phthalate	21.54	149	4492	0.274	ng	# 90
85) Di-n-octyl phthalate	22.77	149	887	0.032	ng	# 74
88) Benzo(b)fluoranthene	23.94	252	123	0.005	ng	# 1
89) Benzo(k)fluoranthene	23.98	252	69	0.003	ng	# 59
90) Benzo(a)pyrene	24.96	252	1443	0.061	ng	# 82

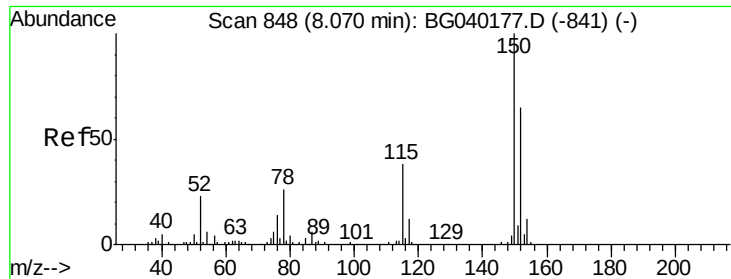
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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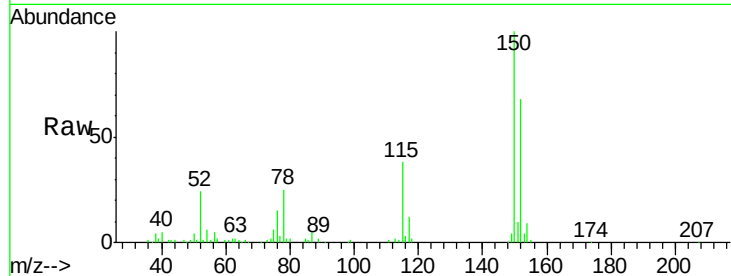


#1

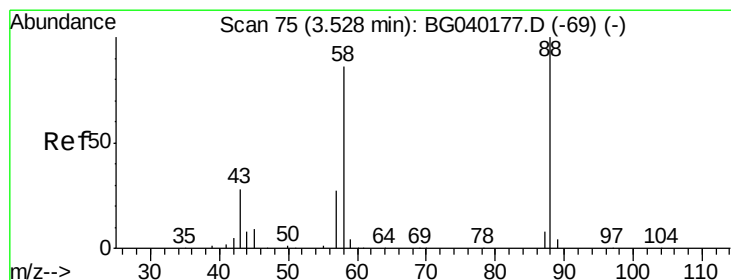
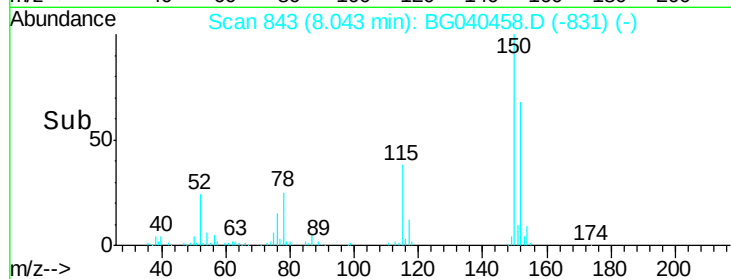
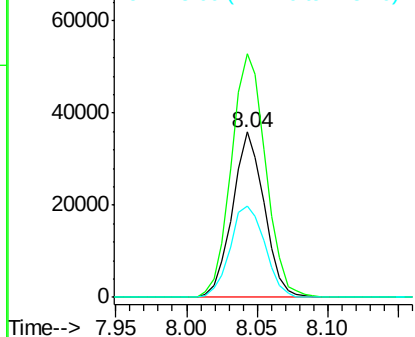
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56490
Ion Ratio Lower Upper
152 100
150 147.2 123.7 185.5
115 55.2 46.9 70.3



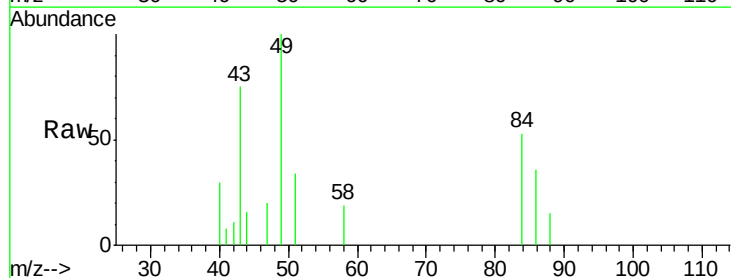
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



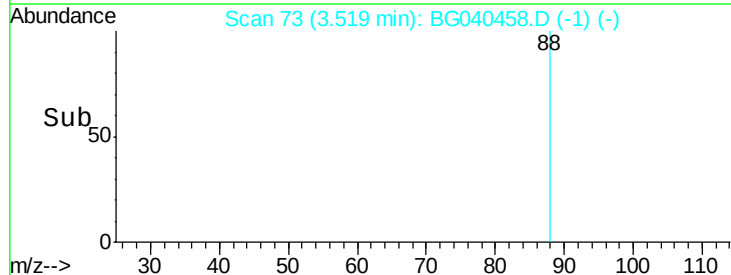
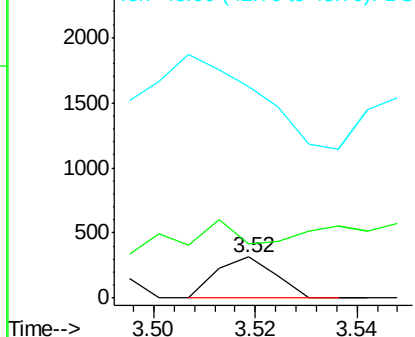
#2

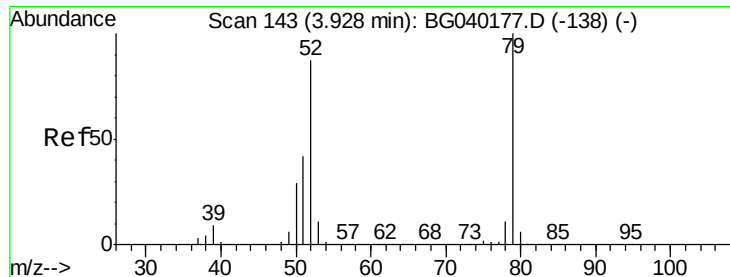
1,4-Dioxane
Concen: 0.156 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.01 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Tgt Ion: 88 Resp: 249
Ion Ratio Lower Upper
88 100
58 30.9 70.6 106.0#
43 379.5 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





#3

Pvridine

Concen: 0.013 ng

RT: 4.26 min Scan# 200

Delta R.T. 0.34 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampled :

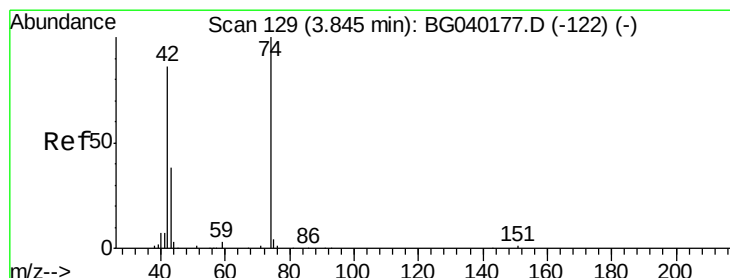
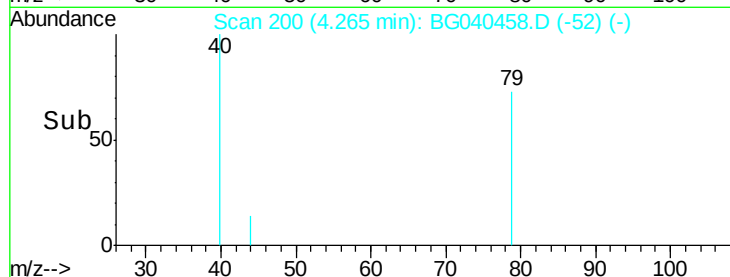
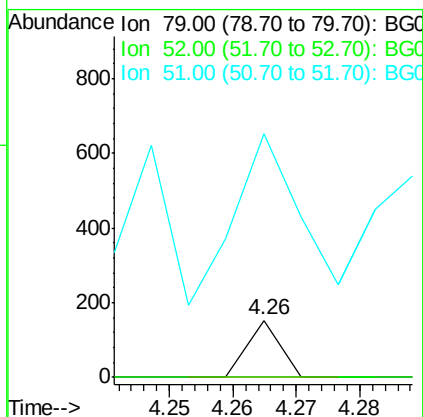
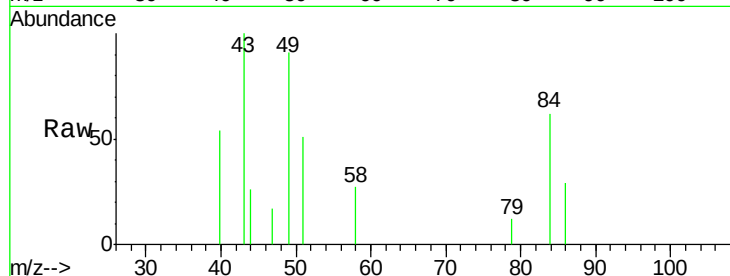
Tot Ion: 79 Resp: 54

Ion Ratio Lower Upper

79 100

52 0.0 69.8 104.8#

51 426.1 33.9 50.9#



#4

n-Nitrosodimethylamine

Concen: 0.119 ng

RT: 3.82 min Scan# 125

Delta R.T. -0.02 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

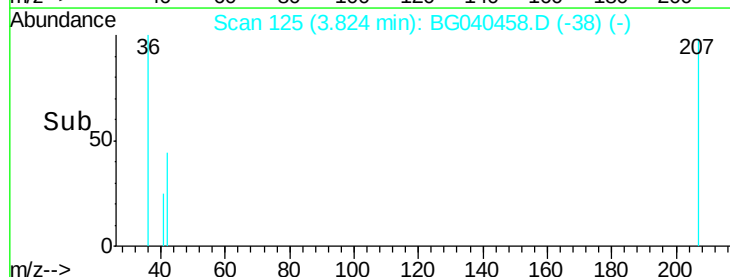
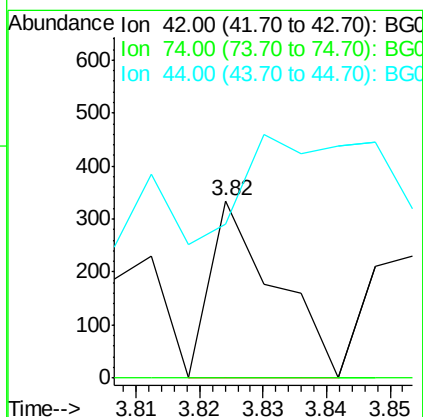
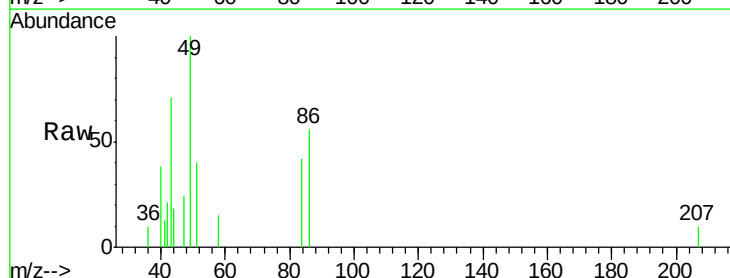
Tgt Ion: 42 Resp: 237

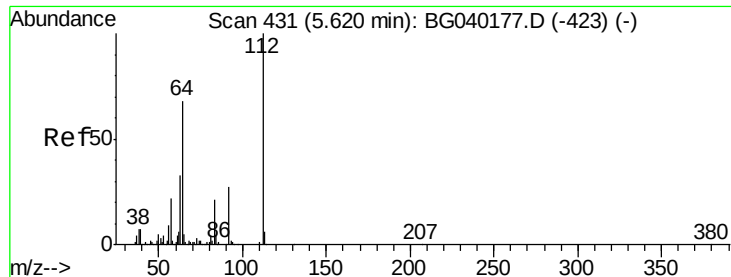
Ion Ratio Lower Upper

42 100

74 0.0 92.9 139.3#

44 86.6 9.7 14.5#





#5

2-Fluorophenol

Concen: 85.978 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.02 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampled :

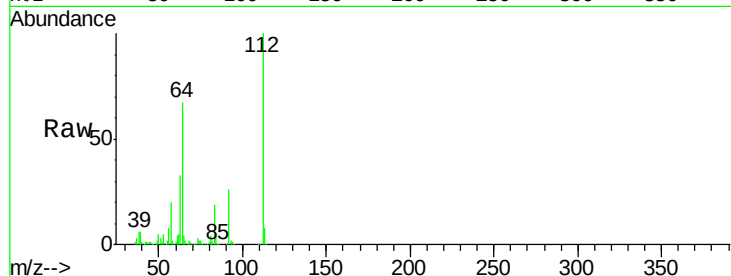
Tot Ion:112 Resp: 292161

Ion Ratio Lower Upper

112 100

64 67.2 54.2 81.2

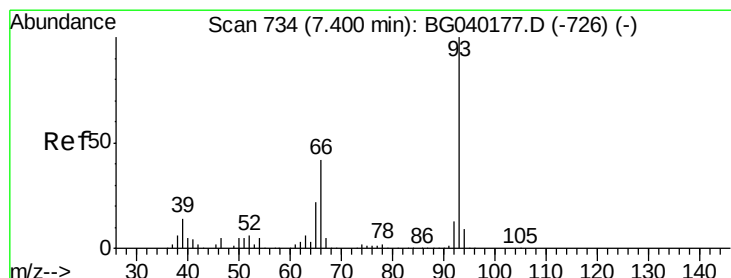
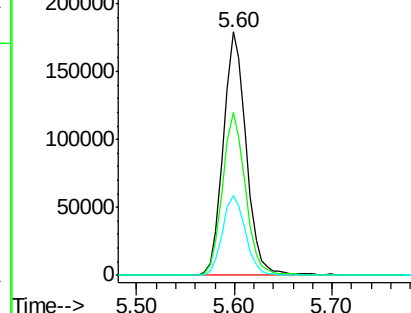
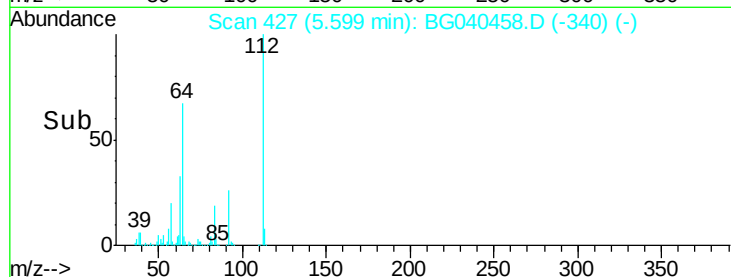
63 32.9 26.4 39.6



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



#6

Aniline

Concen: 0.087 ng

RT: 7.57 min Scan# 763

Delta R.T. 0.17 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

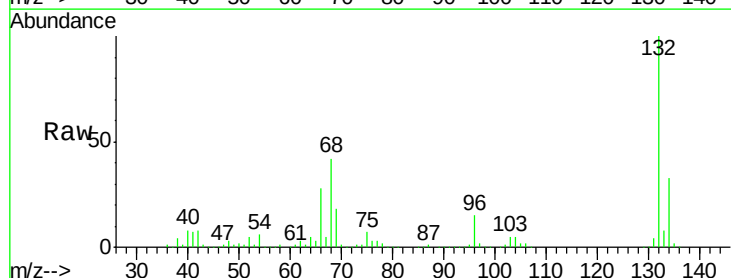
Tgt Ion: 93 Resp: 533

Ion Ratio Lower Upper

93 100

66 10153.1 33.6 50.4#

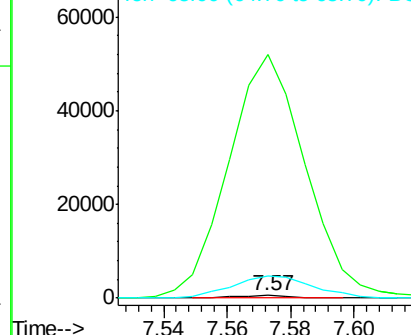
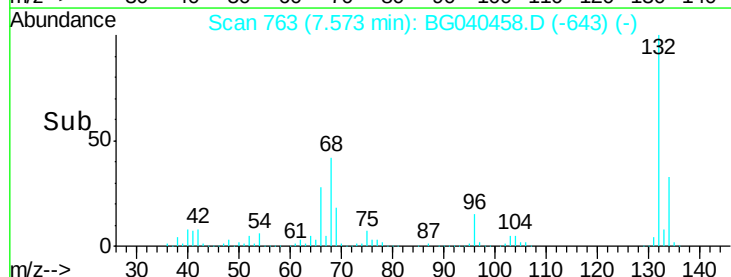
65 928.9 17.4 26.2#

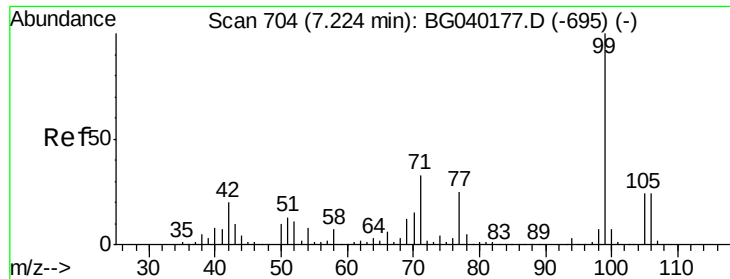


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 86.527 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

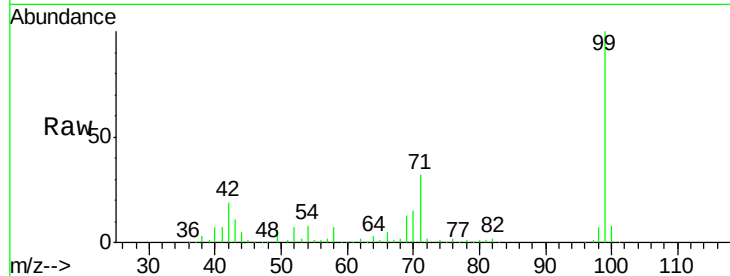
Tot Ion: 99 Resp: 406349

Ion Ratio Lower Upper

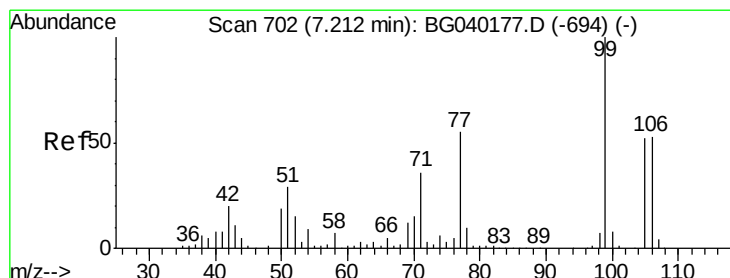
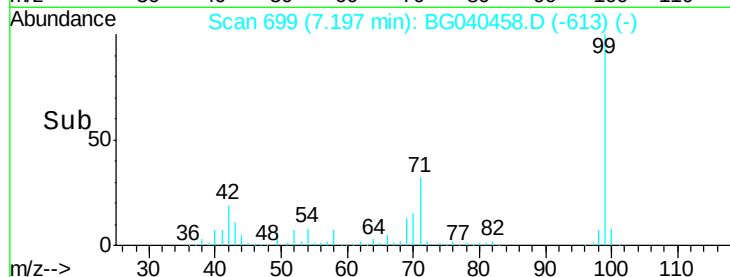
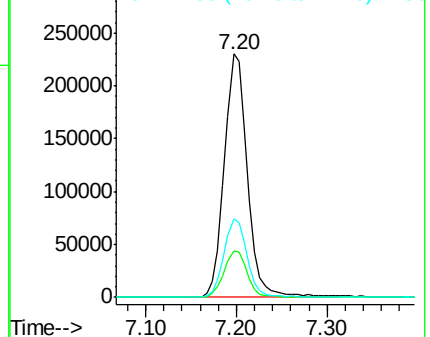
99 100

42 19.0 16.2 24.2

71 32.3 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: 0.236 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

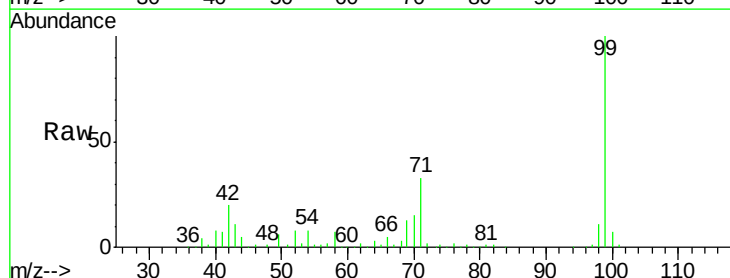
Tgt Ion: 77 Resp: 759

Ion Ratio Lower Upper

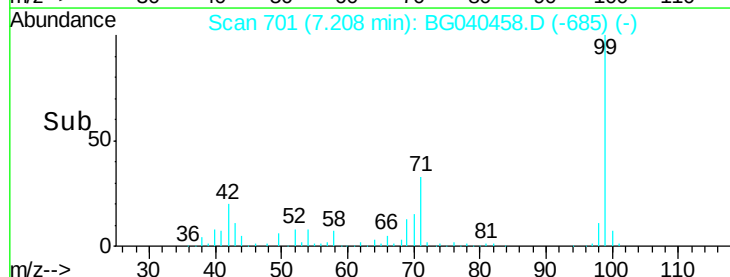
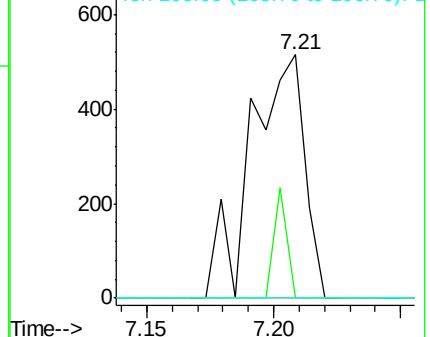
77 100

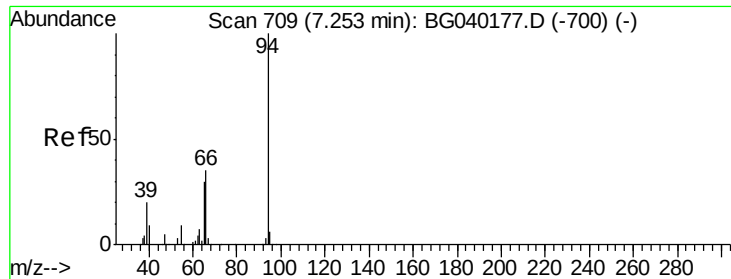
105 0.0 75.0 115.0#

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





#10

Phenol

Concen: 0.233 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

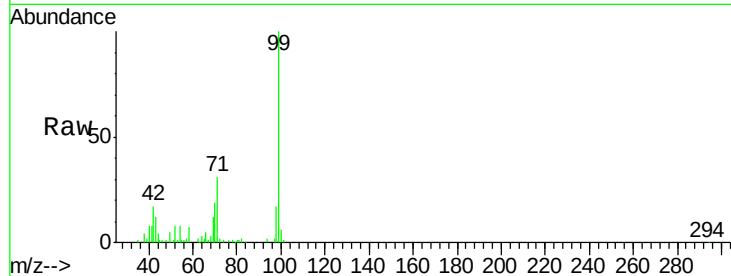
Tot Ion: 94 Resp: 1186

Ion Ratio Lower Upper

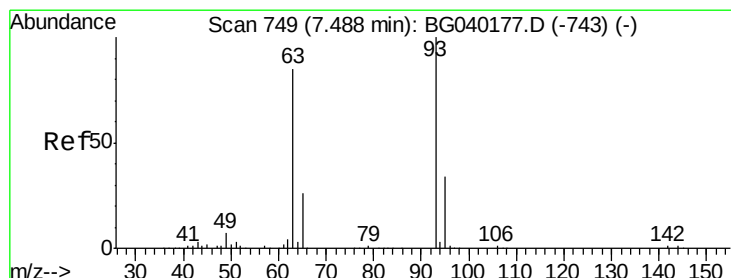
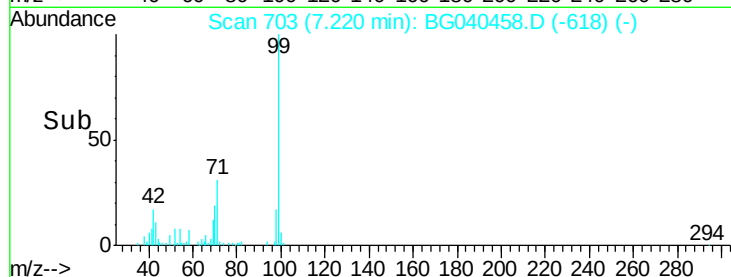
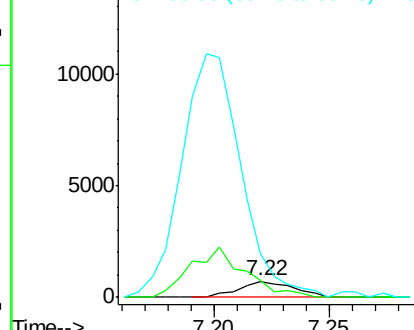
94 100

65 106.4 10.5 50.5#

66 271.4 16.9 56.9#



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



#11

bis(2-Chloroethyl)ether

Concen: 0.131 ng

RT: 7.57 min Scan# 763

Delta R.T. 0.08 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

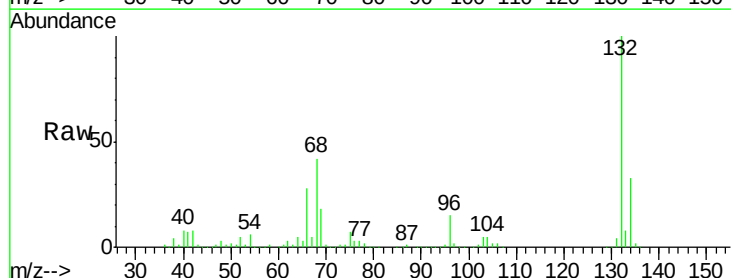
Tgt Ion: 93 Resp: 533

Ion Ratio Lower Upper

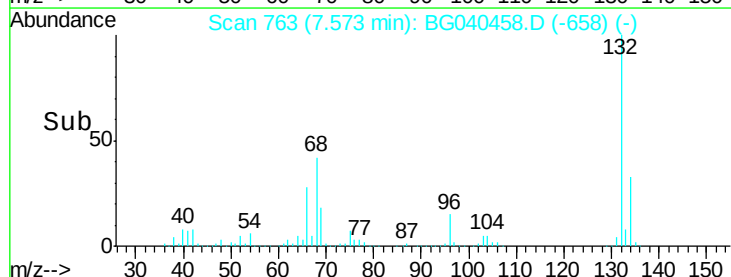
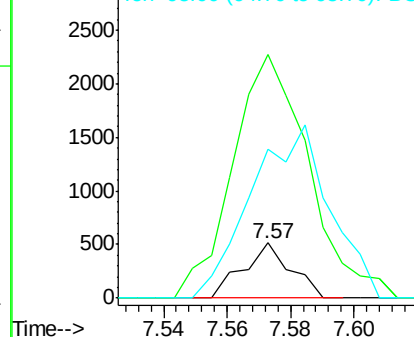
93 100

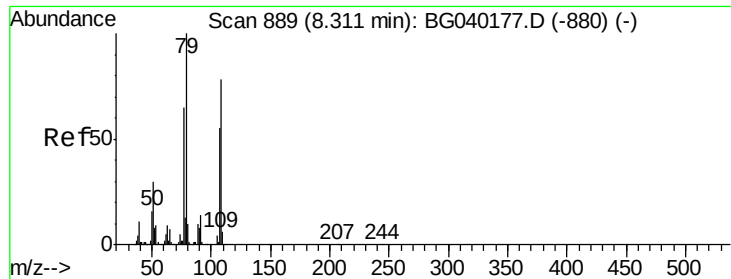
63 443.9 64.2 104.2#

95 271.9 14.0 54.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.019 ng

RT: 8.37 min Scan# 898

Delta R.T. 0.06 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

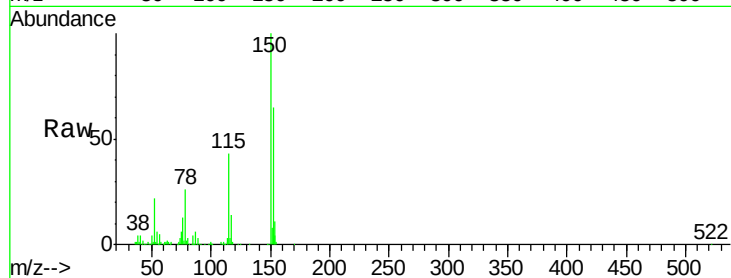
Tot Ion: 79 Resp: 3853

Ion Ratio Lower Upper

79 100

108 30.6 62.1 93.1#

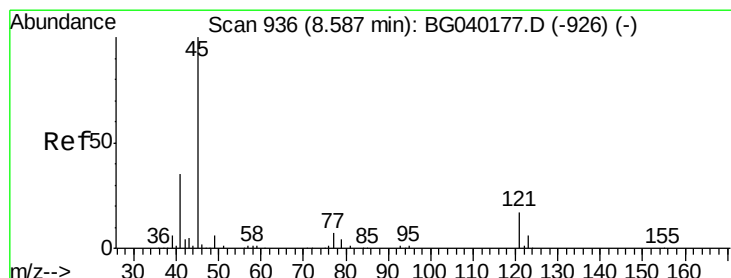
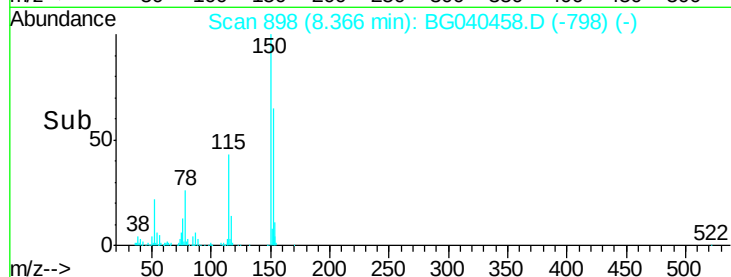
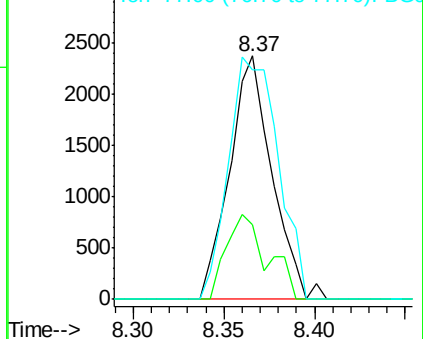
77 94.3 51.9 77.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.008 ng

RT: 8.88 min Scan# 986

Delta R.T. 0.30 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

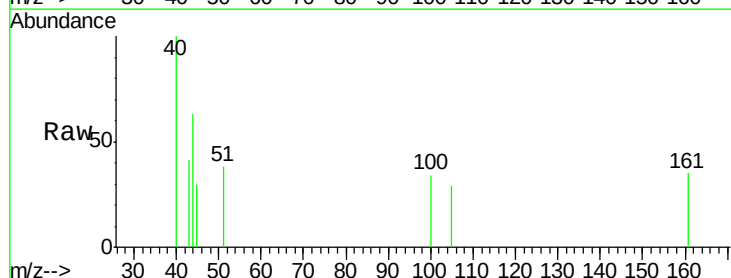
Tgt Ion: 45 Resp: 59

Ion Ratio Lower Upper

45 100

77 0.0 0.0 31.4

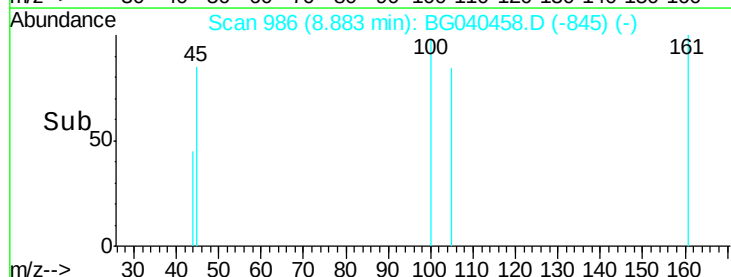
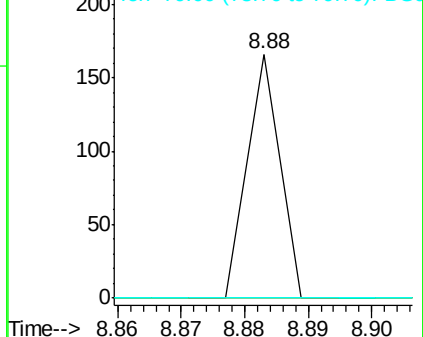
79 0.0 0.0 28.3

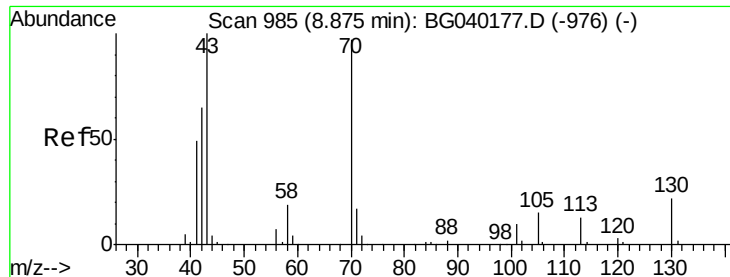


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

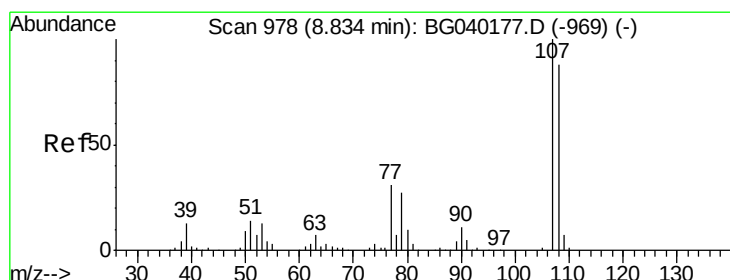
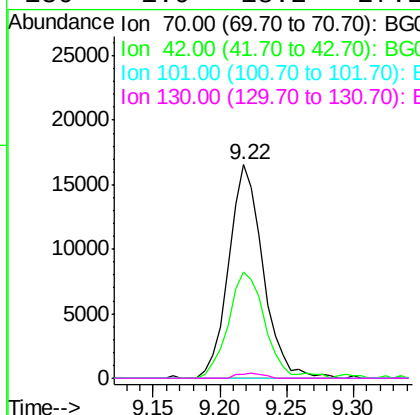
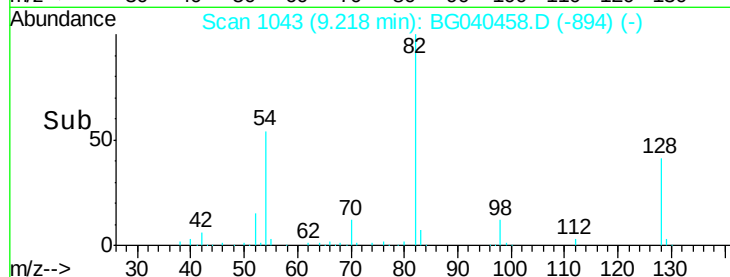
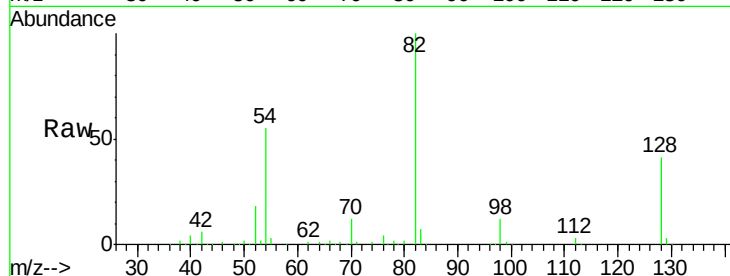




#19
n-Nitroso-di-n-propylamine
Concen: 8.788 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.34 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

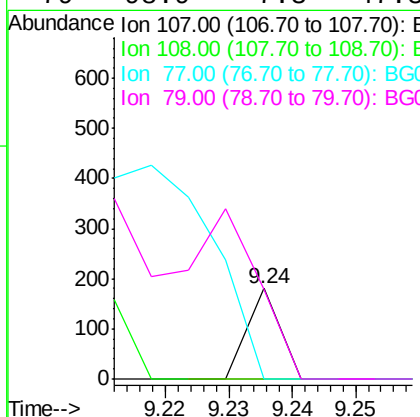
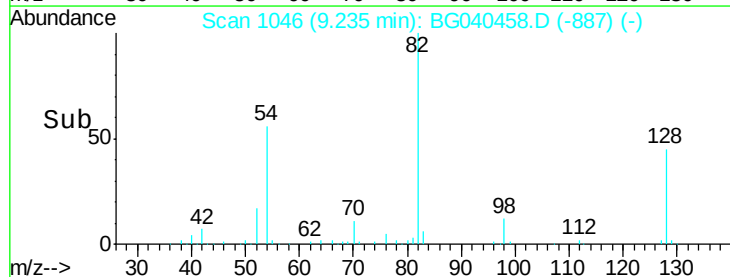
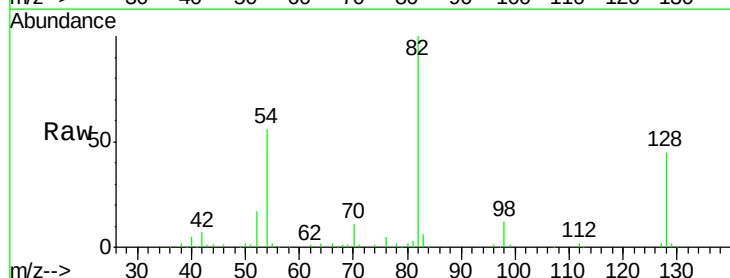
Instrument :
BNA_G
ClientSampleId :

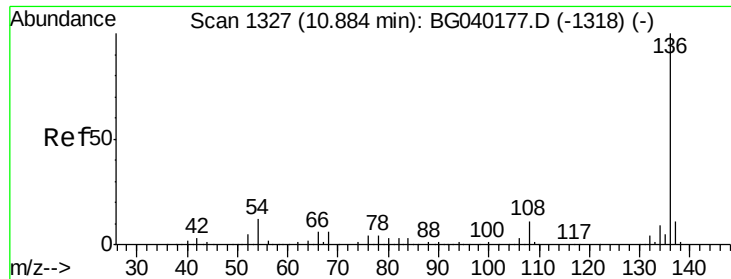
Tot Ion: 70 Resp: 29590
Ion Ratio Lower Upper
70 100
42 49.6 54.0 81.0#
101 0.0 8.6 13.0#
130 1.9 18.2 27.2#



#20
3+4-Methylphenols
Concen: 0.013 ng
RT: 9.24 min Scan# 1046
Delta R.T. 0.40 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Tgt Ion:107 Resp: 64
Ion Ratio Lower Upper
107 100
108 0.0 68.3 108.3#
77 0.0 11.3 51.3#
79 98.9 7.3 47.3#

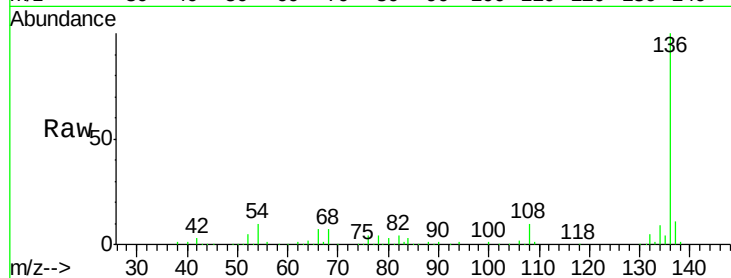




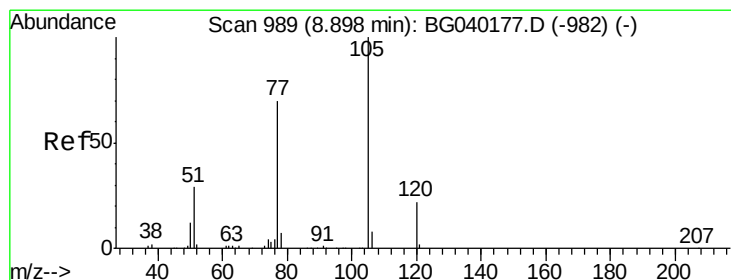
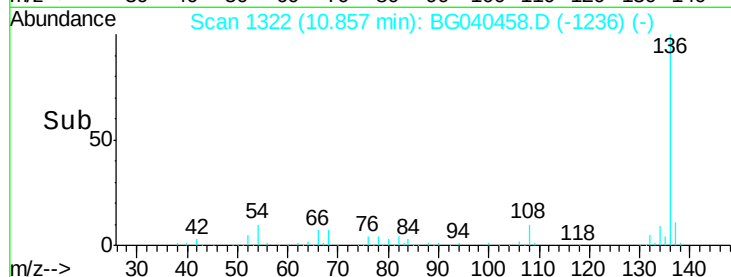
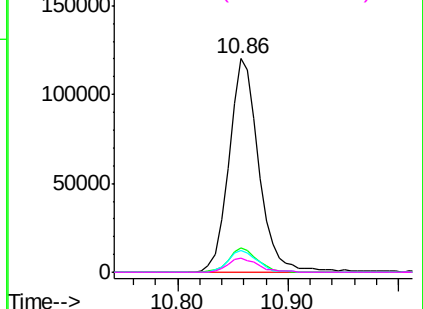
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.03 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	227270
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.9	13.3
54 10.1	9.6	14.4
68 6.6	5.1	7.7

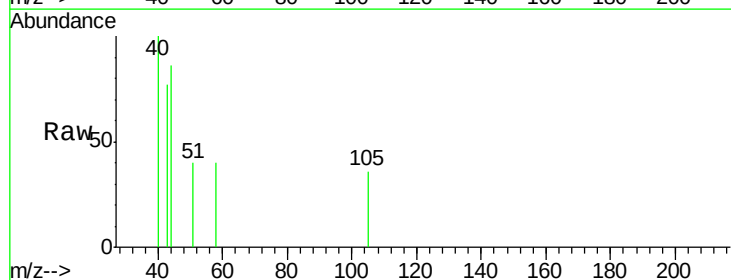


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

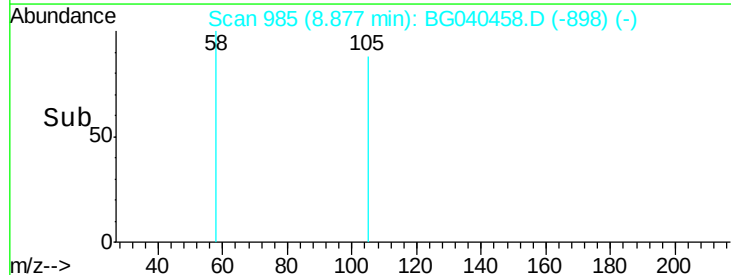
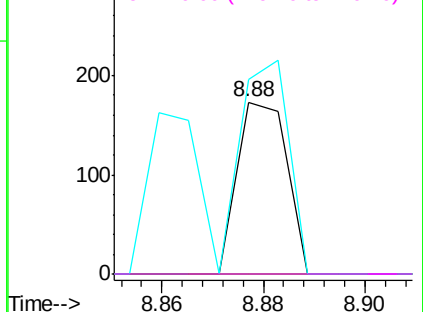


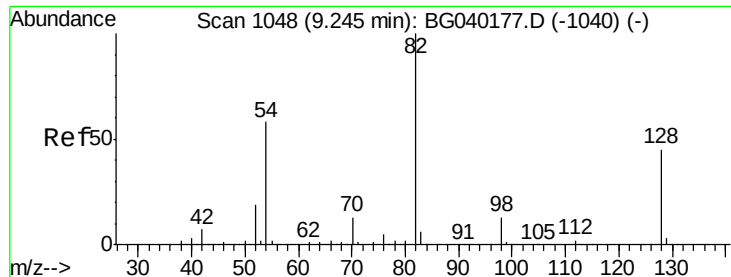
#22
Acetophenone
Concen: 0.021 ng
RT: 8.88 min Scan# 985
Delta R.T. -0.02 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Tgt	Ion:105	Resp:	119
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	113.3	25.1	37.7#
120	0.0	17.6	26.4#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

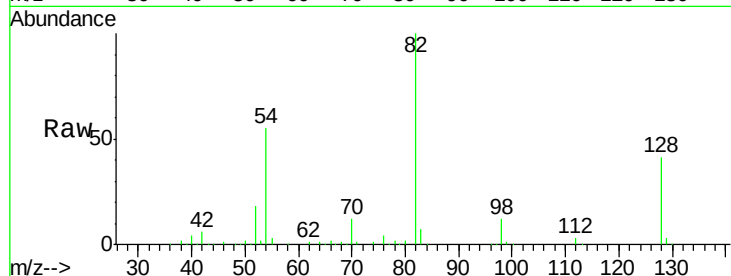




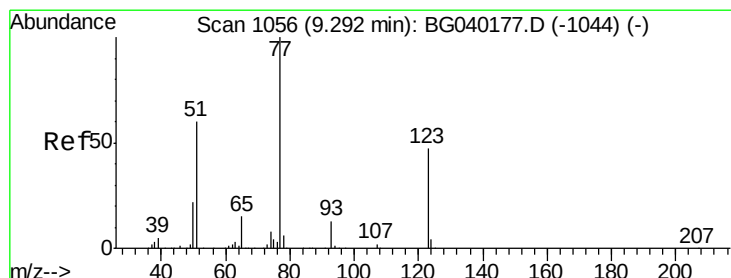
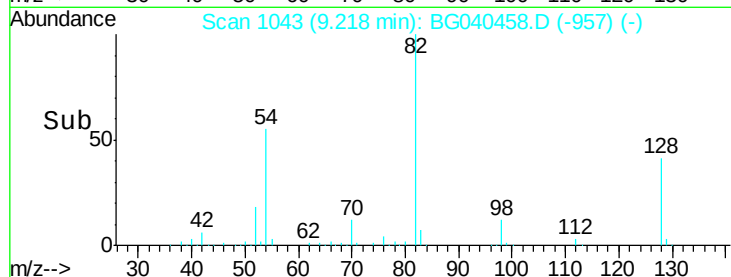
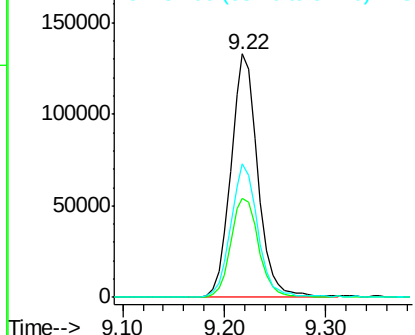
#23
 Nitrobenzene-d5
 Concen: 57.100 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. -0.03 min
 Lab File: BG040458.D
 Acq: 12 Apr 2019 12:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82.00	Resp	244145
Ion Ratio	100	Lower	Upper
128	40.8	35.8	53.8
54	54.9	46.2	69.2

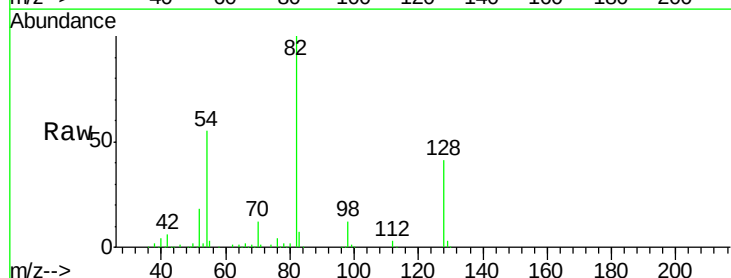


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

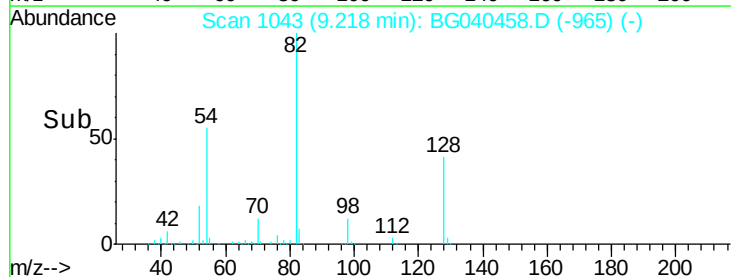
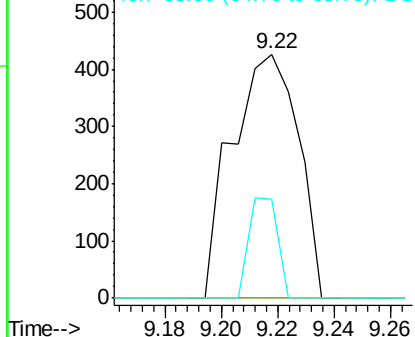


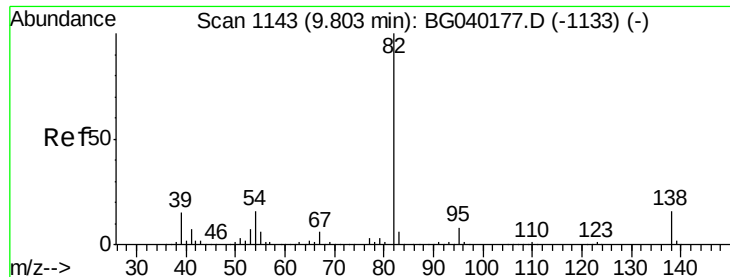
#24
 Nitrobenzene
 Concen: 0.157 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. -0.07 min
 Lab File: BG040458.D
 Acq: 12 Apr 2019 12:47

Tgt Ion	77.00	Resp	694
Ion Ratio	100	Lower	Upper
123	0.0	37.8	56.6#
65	40.4	12.0	18.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.063 ng

RT: 9.57 min Scan# 1103

Delta R.T. -0.23 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

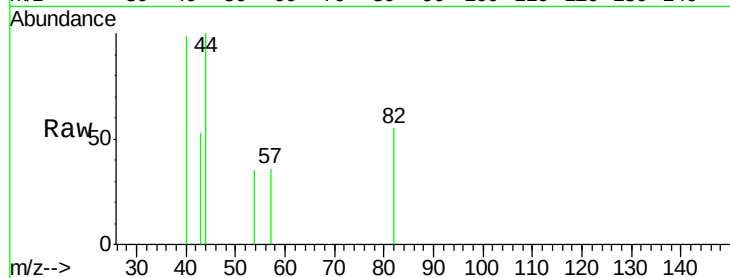
Tot Ion: 82 Resp: 558

Ion Ratio Lower Upper

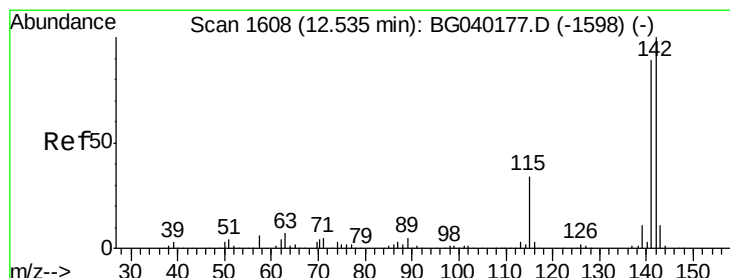
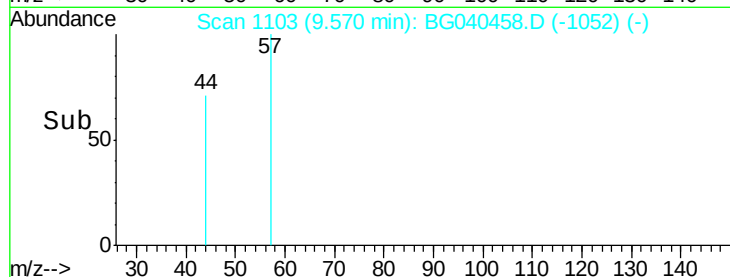
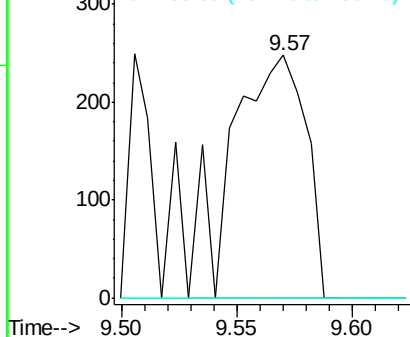
82 100

95 0.0 6.1 9.1#

138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#37

2-Methylnaphthalene

Concen: 0.007 ng

RT: 12.14 min Scan# 1541

Delta R.T. -0.39 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

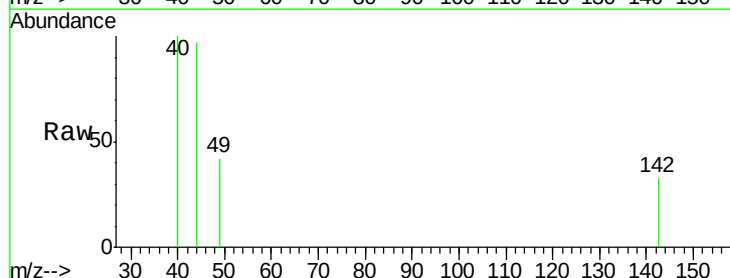
Tgt Ion: 142 Resp: 57

Ion Ratio Lower Upper

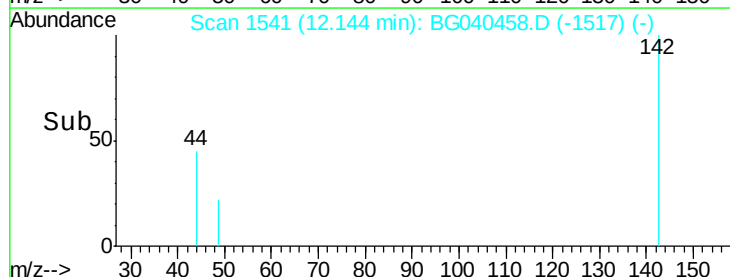
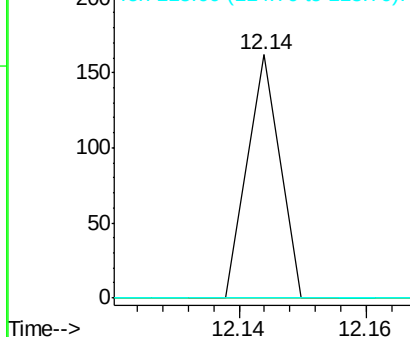
142 100

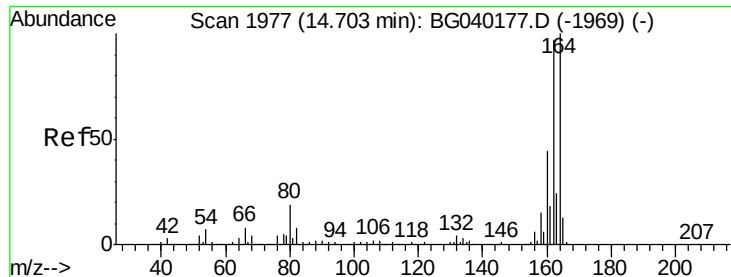
141 0.0 71.0 106.6#

115 0.0 27.3 40.9#



Abundance Ion 142.00 (141.70 to 142.70): BGC
Ion 141.00 (140.70 to 141.70): BGC
Ion 115.00 (114.70 to 115.70): BGC

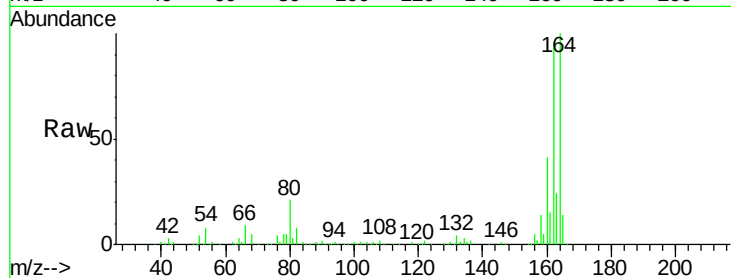




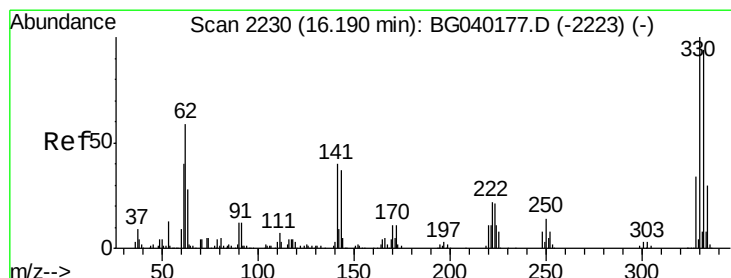
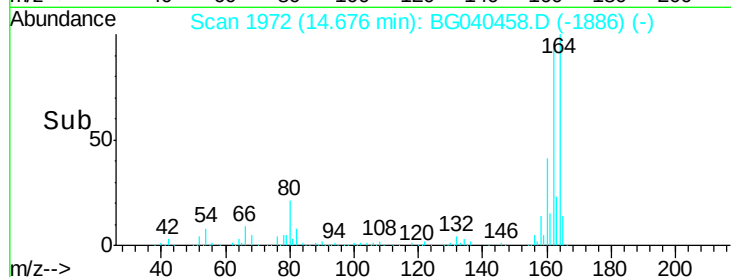
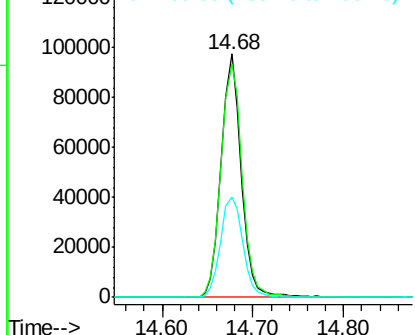
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.03 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 149951
Ion Ratio Lower Upper
164 100
162 95.8 77.4 116.2
160 41.3 35.3 52.9

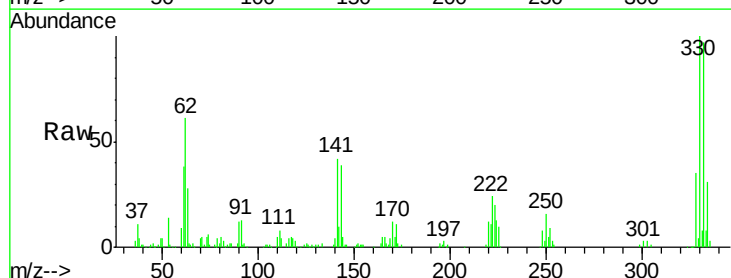


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

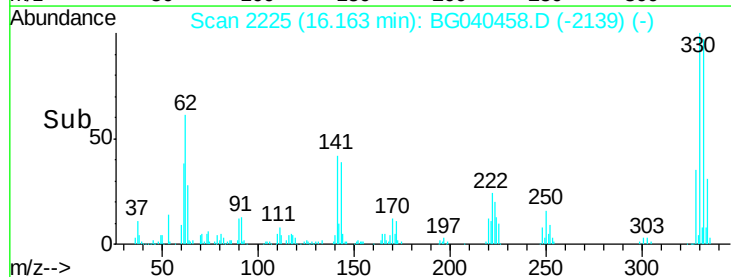
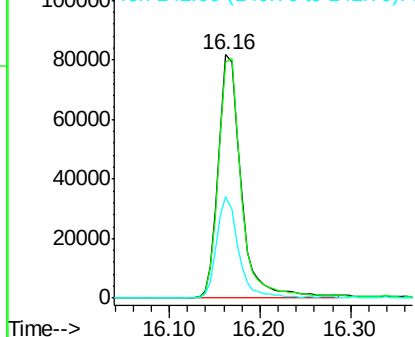


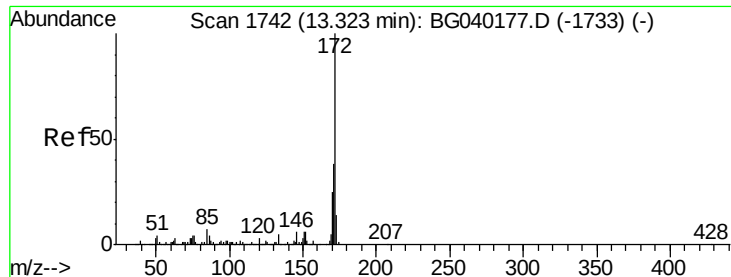
#42
2,4,6-Tribromophenol
Concen: 88.982 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.03 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Tgt Ion:330 Resp: 144202
Ion Ratio Lower Upper
330 100
332 97.8 76.6 115.0
141 39.5 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

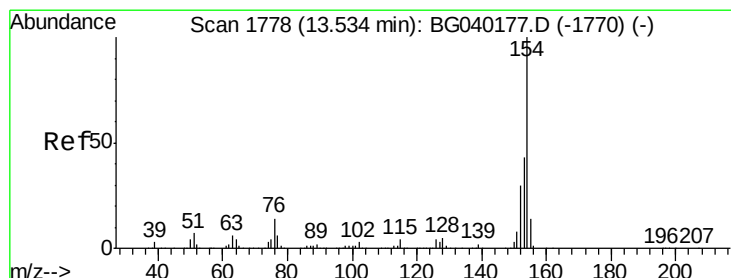
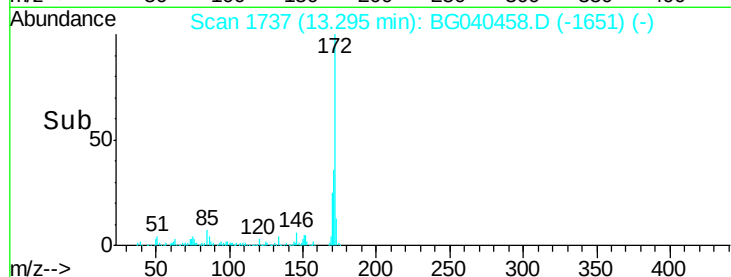
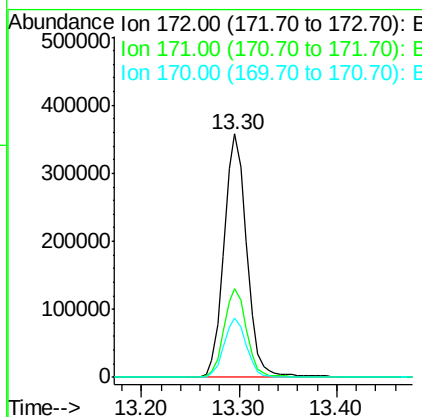
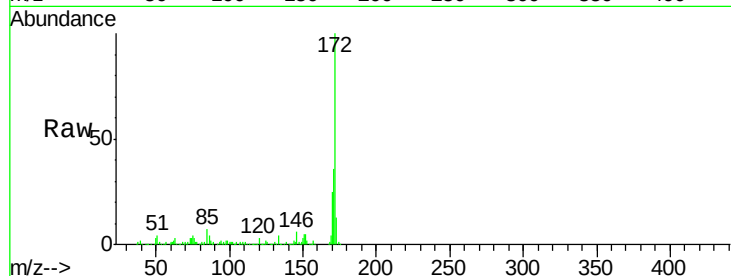




#45
2-Fluorobiphenyl
Concen: 57.428 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.03 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

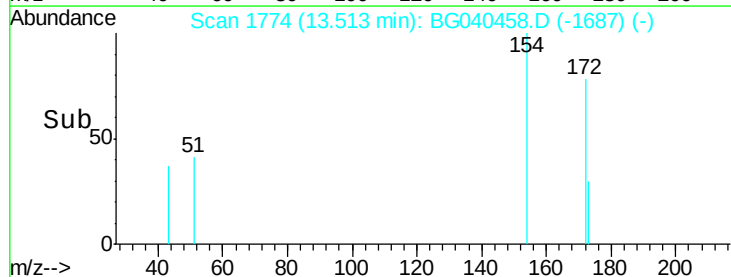
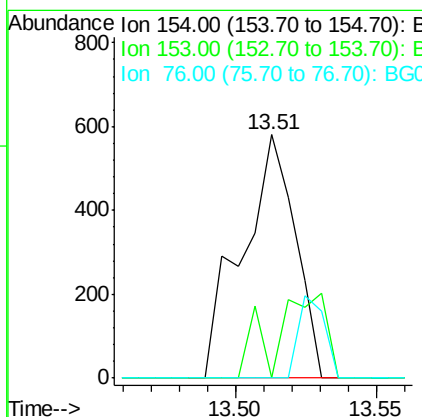
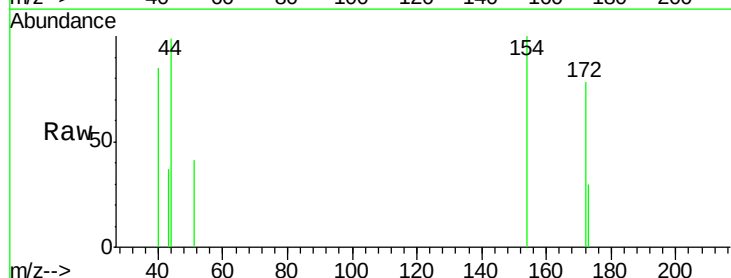
Instrument :
BNA_G
ClientSampleId :

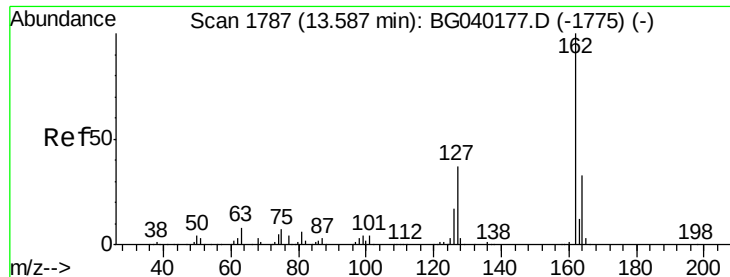
Tot Ion:172 Resp: 581154
Ion Ratio Lower Upper
172 100
171 36.2 30.5 45.7
170 24.6 20.1 30.1



#46
1,1'-Biphenyl
Concen: 0.064 ng
RT: 13.51 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Tgt Ion:154 Resp: 756
Ion Ratio Lower Upper
154 100
153 0.0 22.5 62.5#
76 0.0 0.0 33.7

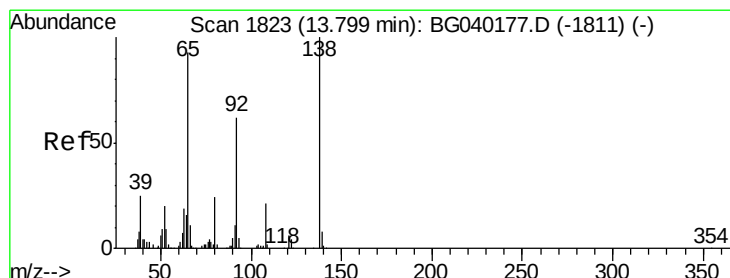
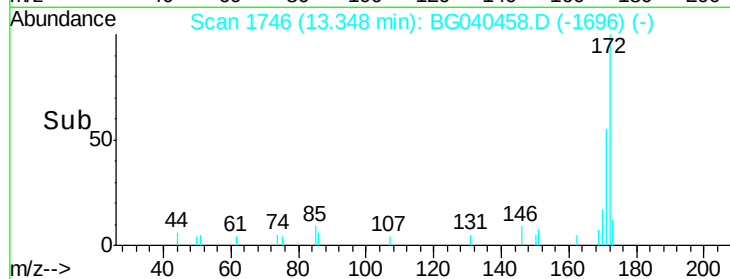
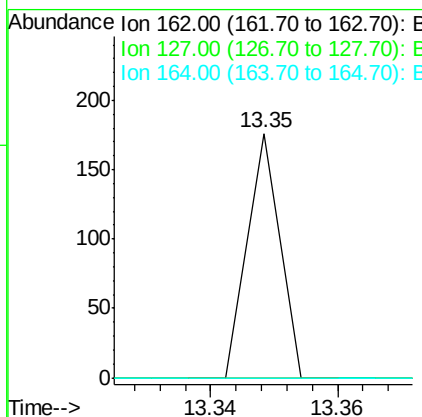
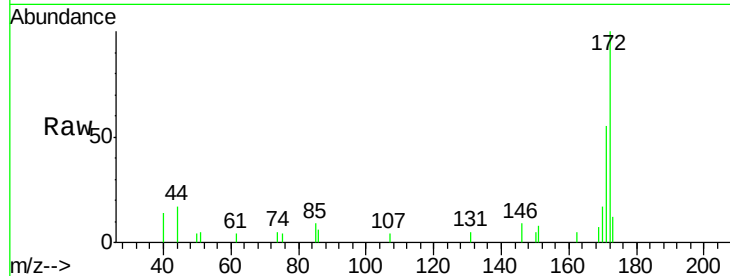




#47
 2-Chloronaphthalene
 Concen: 0.007 ng
 RT: 13.35 min Scan# 1746
 Delta R.T. -0.24 min
 Lab File: BG040458.D
 Acq: 12 Apr 2019 12:47

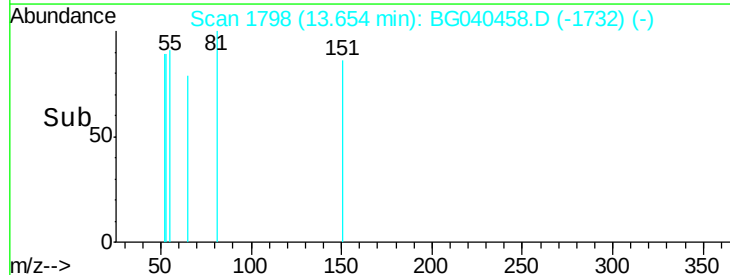
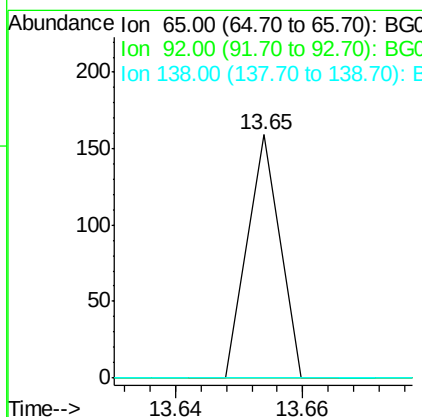
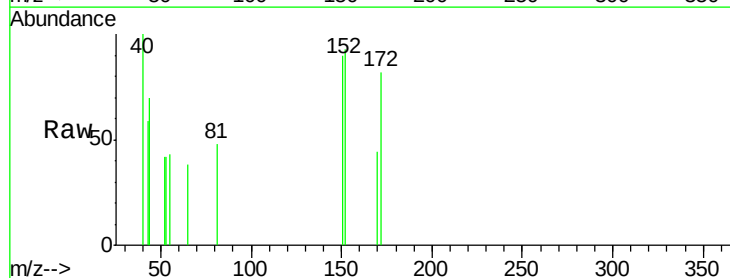
Instrument :
 BNA_G
 ClientSampleId :

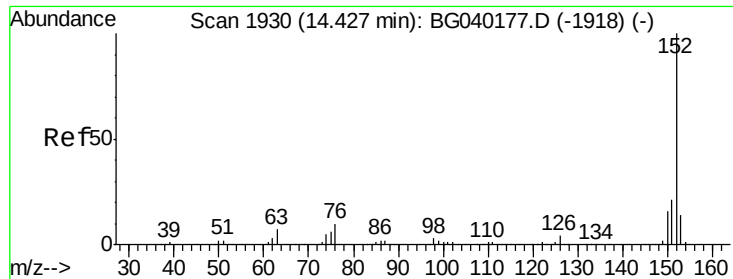
Tot Ion	Ratio	Lower	Upper
162	100		
127	0.0	30.6	45.8#
164	0.0	26.2	39.4#



#48
 2-Nitroaniline
 Concen: 0.018 ng
 RT: 13.65 min Scan# 1798
 Delta R.T. -0.14 min
 Lab File: BG040458.D
 Acq: 12 Apr 2019 12:47

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.8	80.6#
138	0.0	86.3	129.5#





#49

Acenaphthylene

Concen: 0.004 ng

RT: 14.58 min Scan# 1955

Delta R.T. 0.15 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

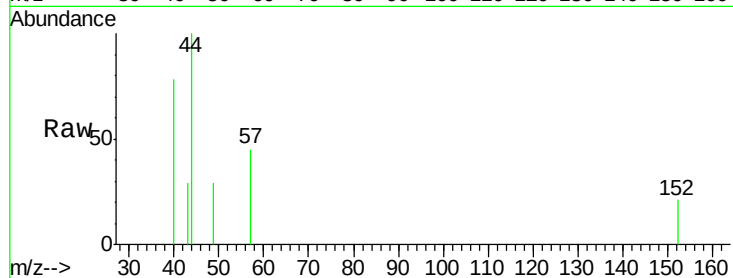
Tot Ion:152 Resp: 55

Ion Ratio Lower Upper

152 100

151 0.0 17.0 25.6#

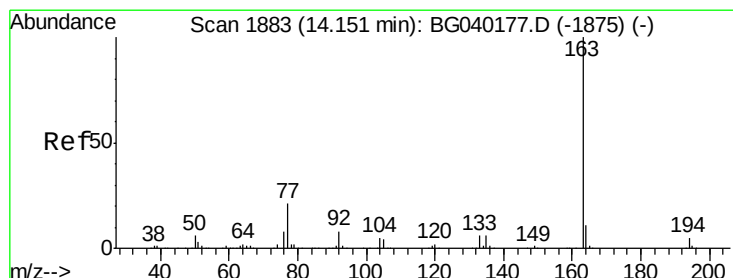
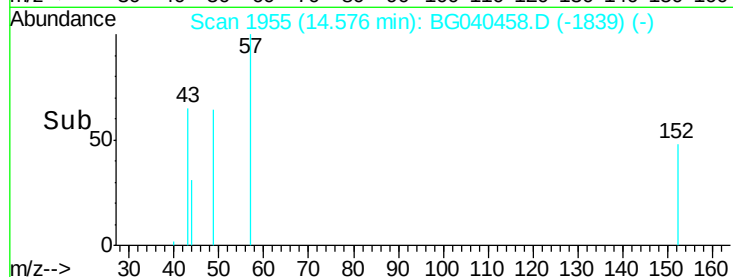
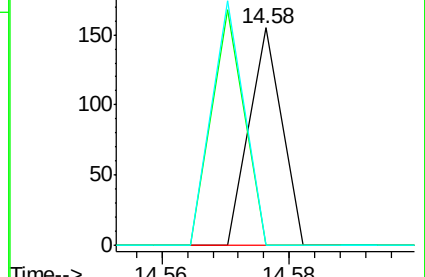
153 0.0 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.826 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

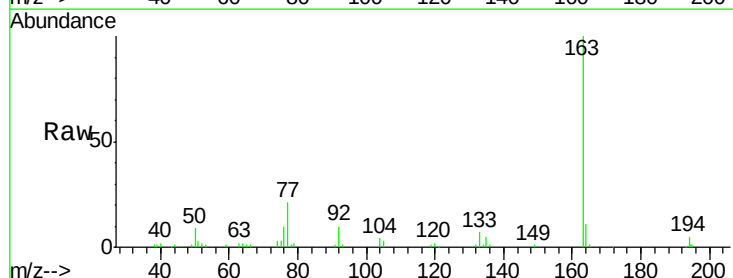
Tgt Ion:163 Resp: 56639

Ion Ratio Lower Upper

163 100

194 5.5 4.1 6.1

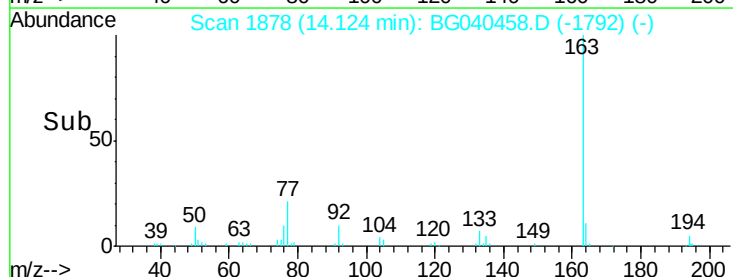
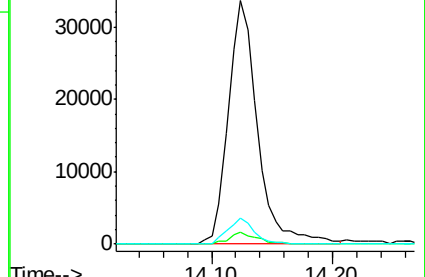
164 10.6 8.6 13.0

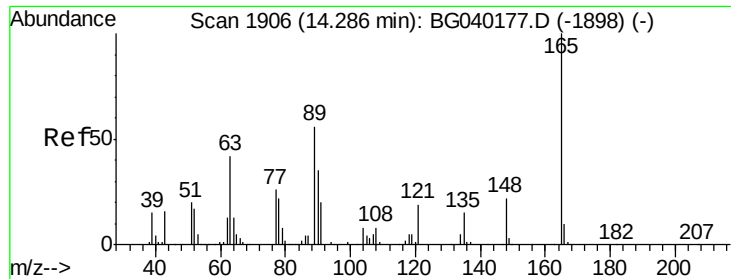


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

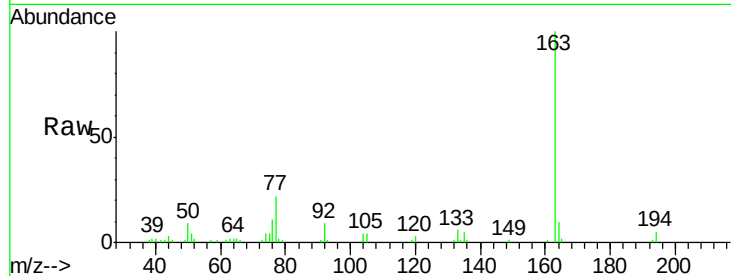




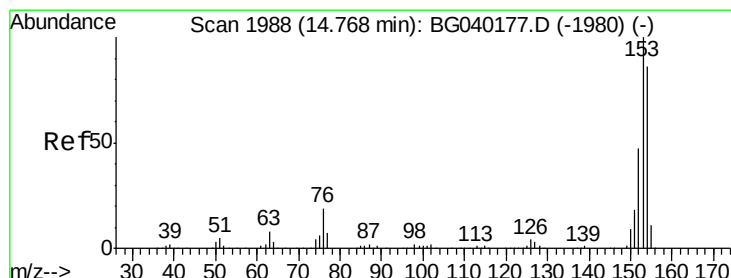
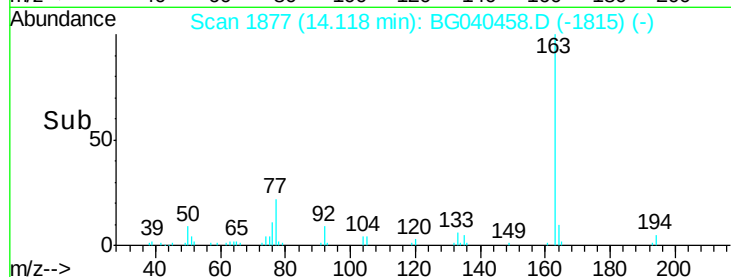
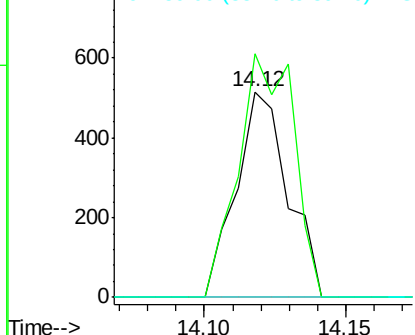
#51
2,6-Dinitrotoluene
Concen: 0.249 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.17 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 656
Ion Ratio Lower Upper
165 100
63 118.6 44.1 66.1#
89 0.0 44.9 67.3#

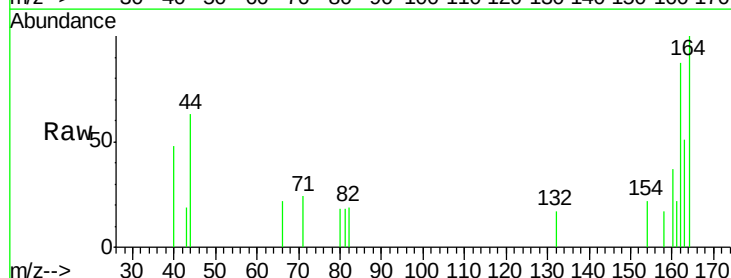


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

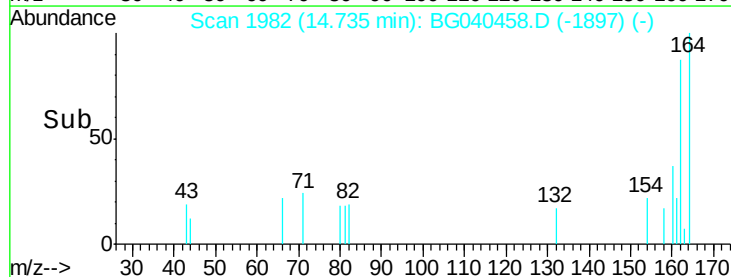
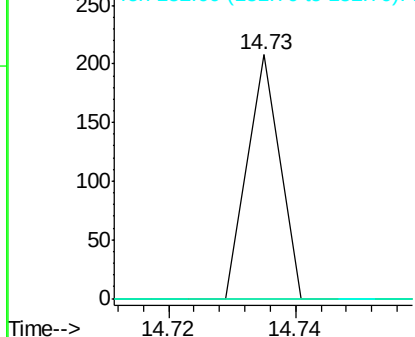


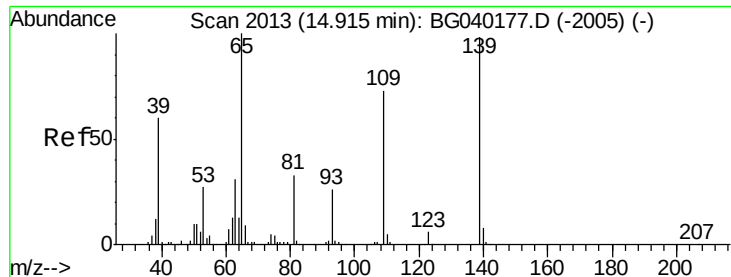
#52
Acenaphthene
Concen: 0.008 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Tgt Ion:154 Resp: 73
Ion Ratio Lower Upper
154 100
153 0.0 92.8 139.2#
152 0.0 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





#56

4-Nitrophenol

Concen: 0.025 ng

RT: 15.08 min Scan# 2041

Delta R.T. 0.17 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

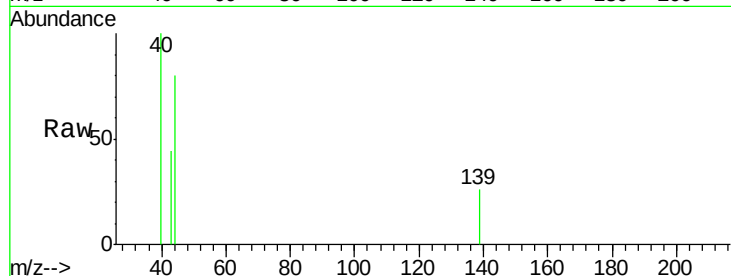
Tot Ion:139 Resp: 56

Ion Ratio Lower Upper

139 100

109 0.0 54.3 94.3#

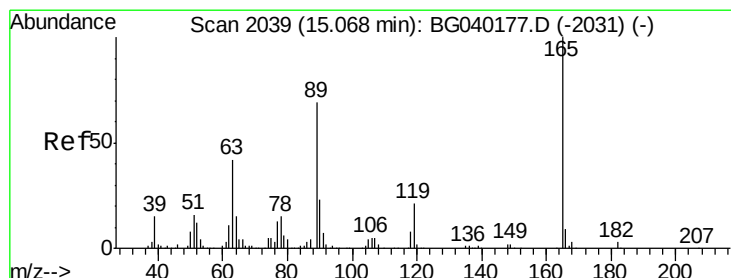
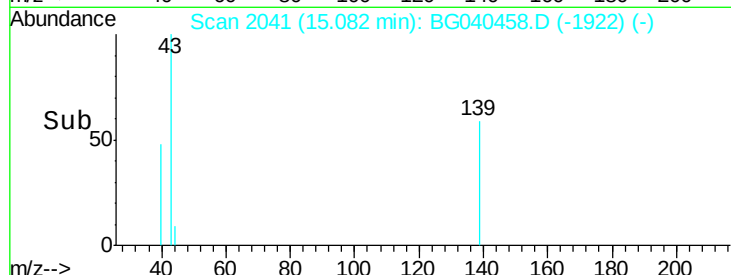
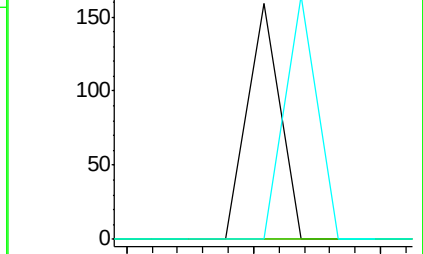
65 0.0 82.5 122.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.307 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.39 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Tgt Ion:165 Resp: 19432

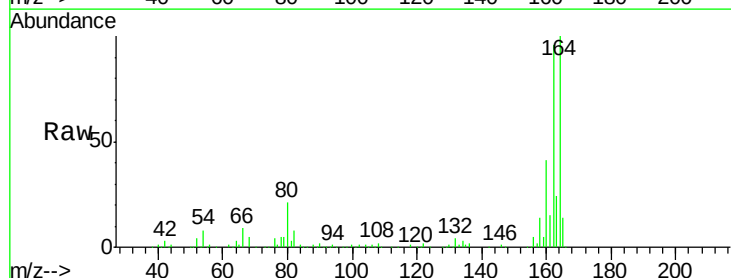
Ion Ratio Lower Upper

165 100

63 1.6 33.8 50.6#

89 2.2 55.4 83.2#

182 0.0 2.2 3.4#

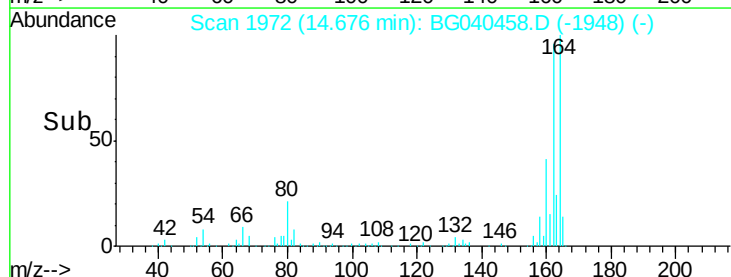
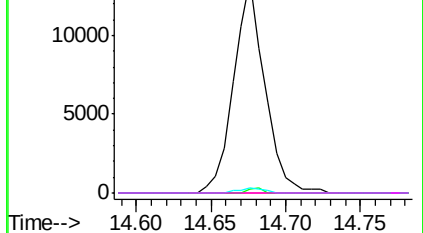


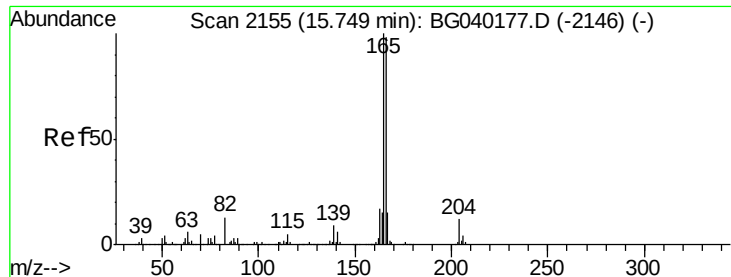
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 0.626 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.41 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

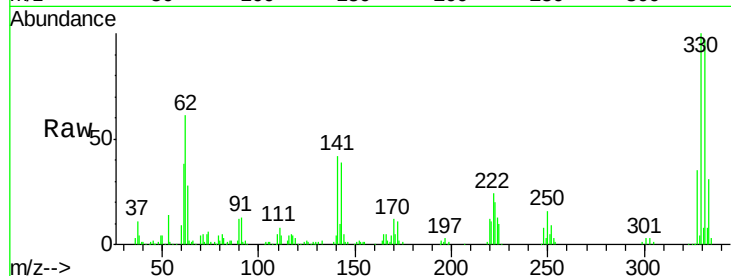
Tot Ion:166 Resp: 6979

Ion Ratio Lower Upper

166 100

165 93.4 81.7 122.5

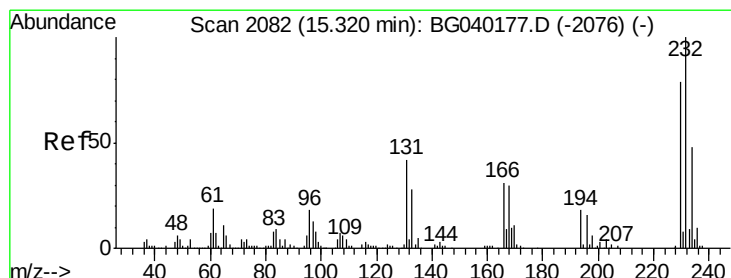
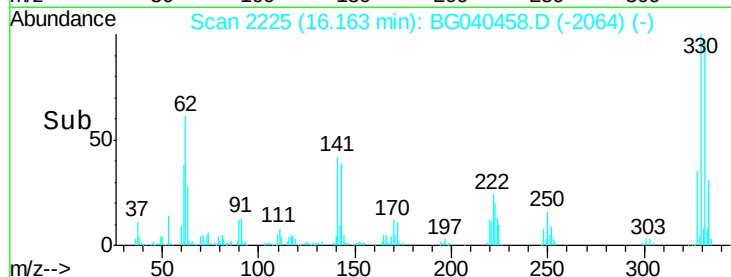
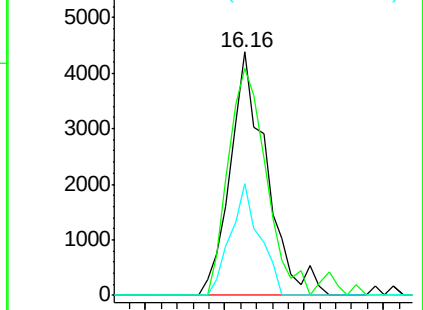
167 46.0 11.9 17.9#



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



#59

2,3,4,6-Tetrachlorophenol

Concen: 0.019 ng

RT: 15.16 min Scan# 2054

Delta R.T. -0.16 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Tgt Ion:232 Resp: 57

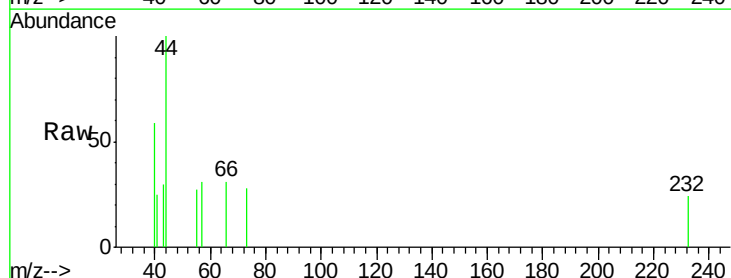
Ion Ratio Lower Upper

232 100

131 0.0 32.9 49.3#

130 0.0 1.8 2.8#

166 0.0 23.5 35.3#

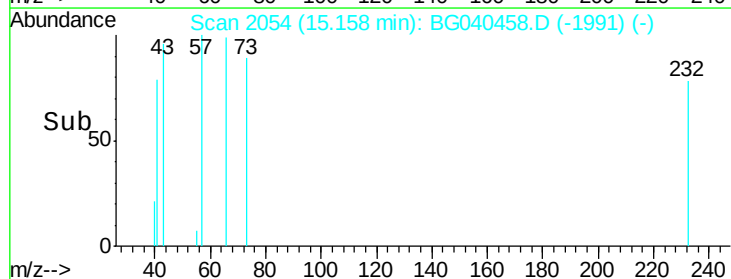
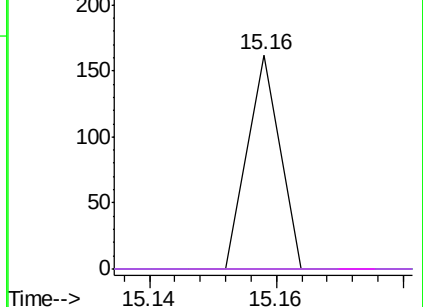


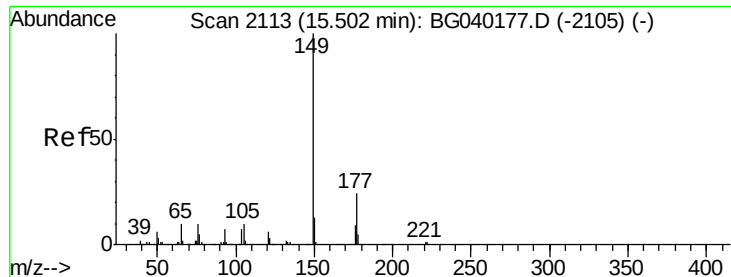
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#60

Diethylphthalate

Concen: 0.055 ng

RT: 15.48 min Scan# 2108

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

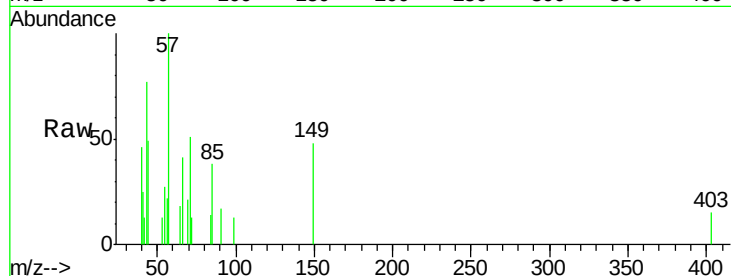
Tot Ion: 149 Resp: 665

Ion Ratio Lower Upper

149 100

177 0.0 19.1 28.7#

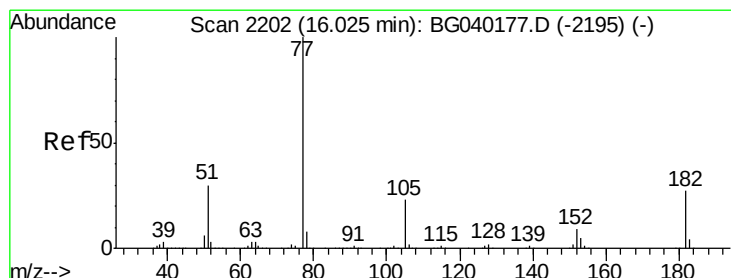
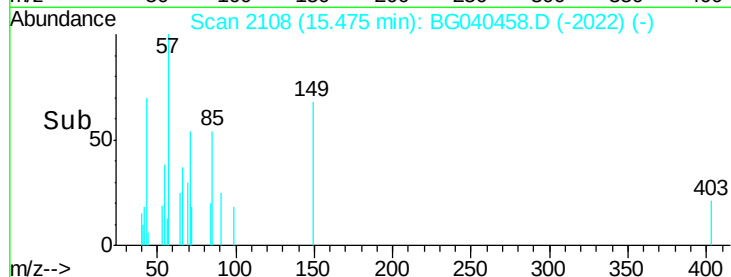
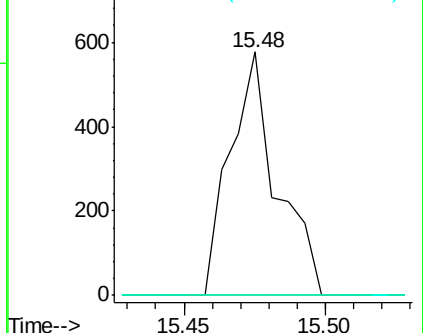
150 0.0 10.6 15.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.005 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Tgt Ion: 77 Resp: 62

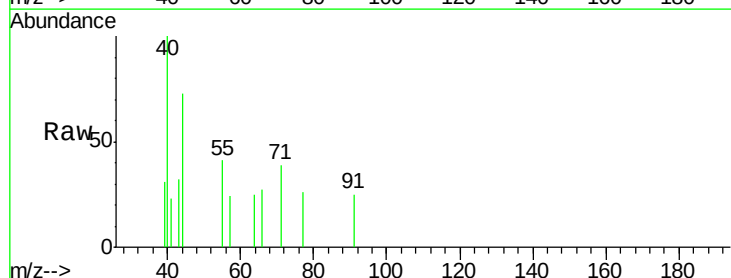
Ion Ratio Lower Upper

77 100

182 0.0 7.2 47.2#

105 0.0 2.8 42.8#

51 0.0 10.4 50.4#

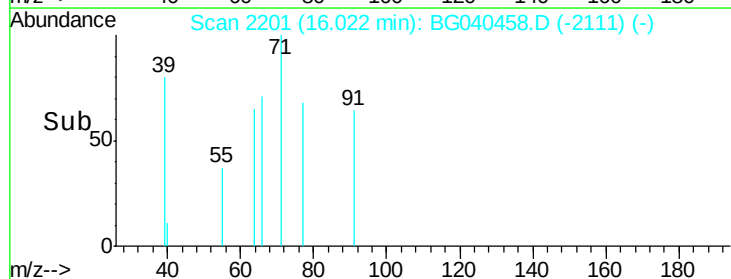
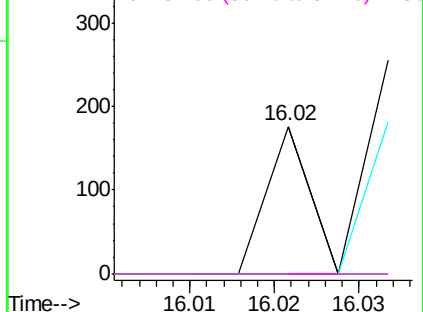


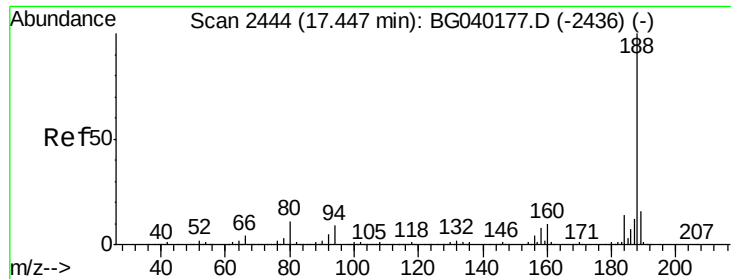
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

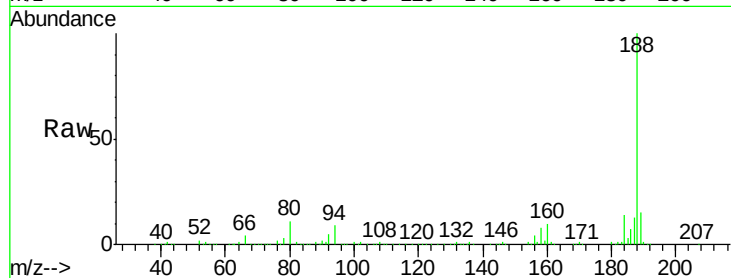
Tot Ion:188 Resp: 395902

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

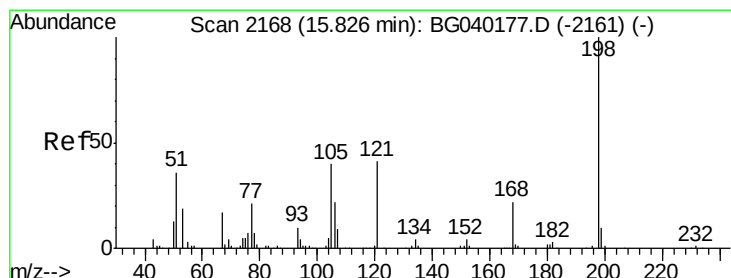
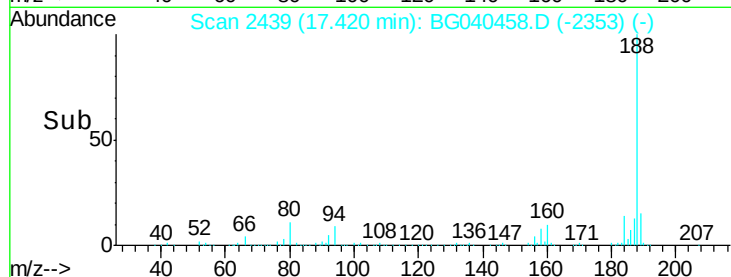
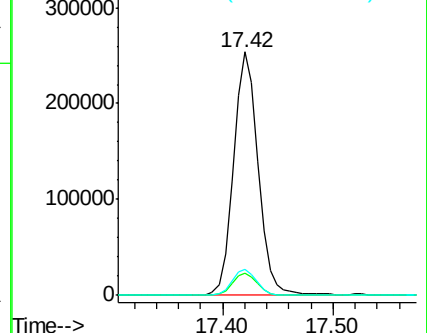
80 10.5 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.025 ng

RT: 16.10 min Scan# 2214

Delta R.T. 0.27 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

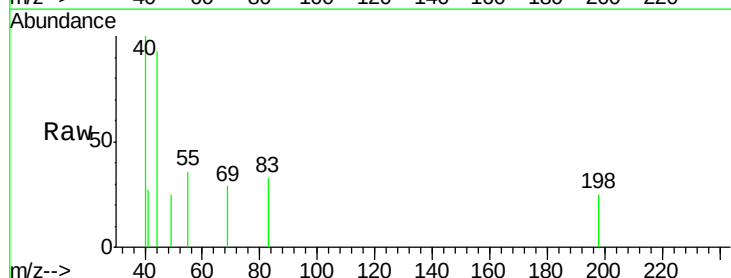
Tgt Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 27.3 67.3#

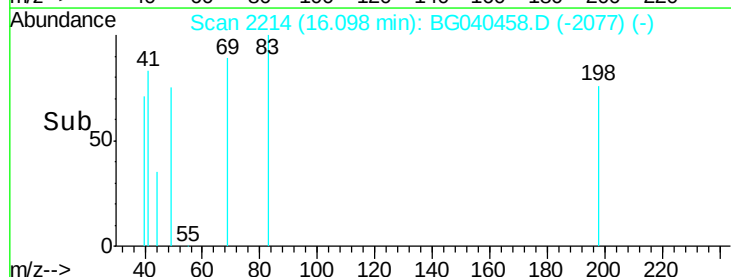
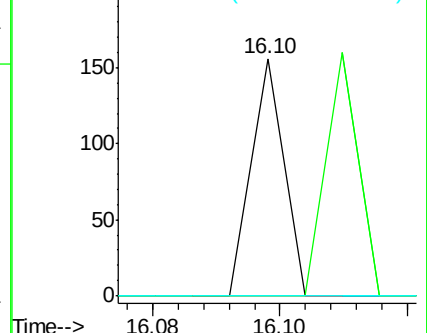
105 0.0 21.7 61.7#

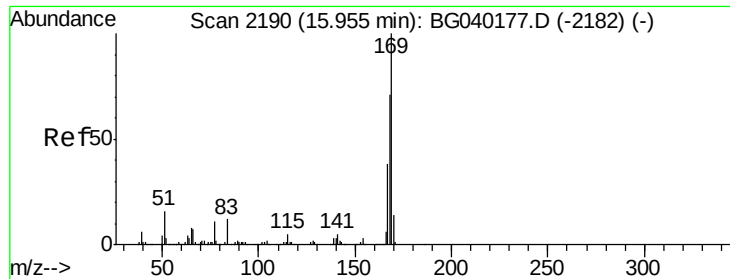


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

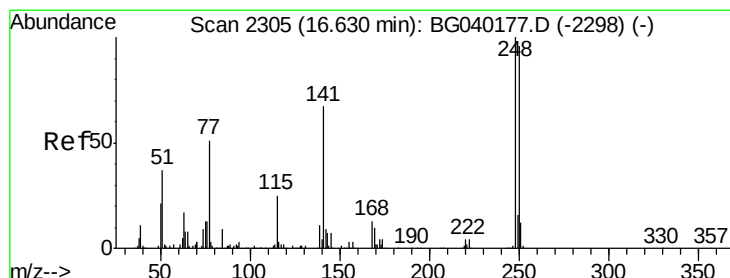
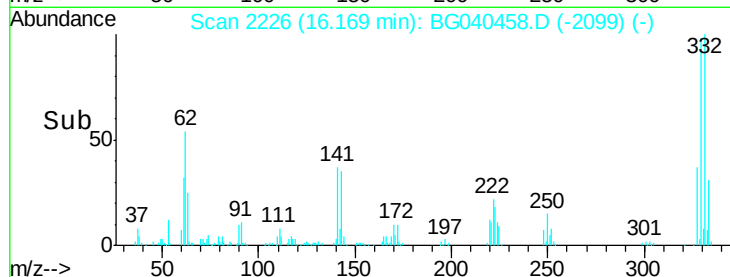
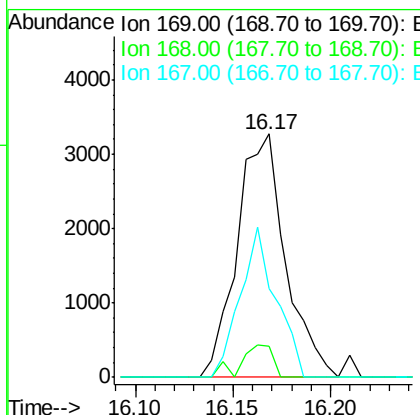
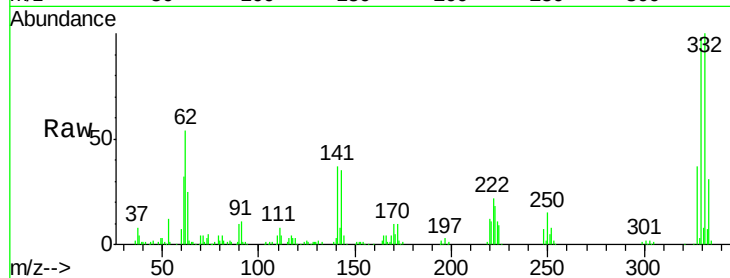




#66
 n-Nitrosodiphenylamine
 Concen: 0.485 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. 0.21 min
 Lab File: BG040458.D
 Acq: 12 Apr 2019 12:47

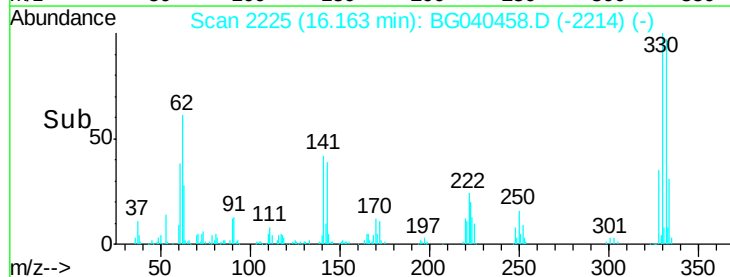
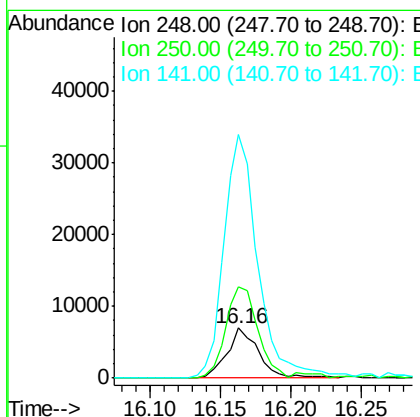
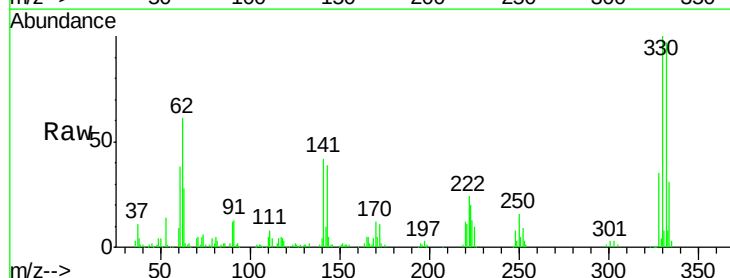
Instrument :
 BNA_G
 ClientSampleId :

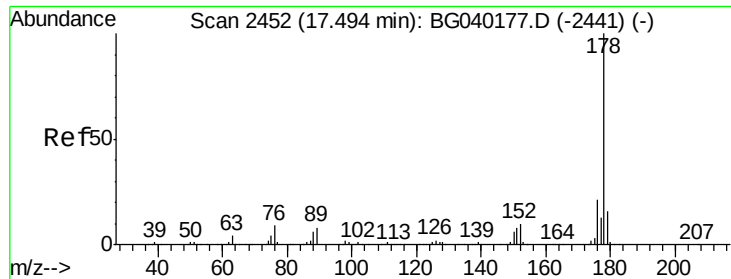
Tot Ion:169 Resp: 5622
 Ion Ratio Lower Upper
 169 100
 168 12.8 56.8 85.2#
 167 36.5 30.2 45.4



#67
 4-Bromophenyl-phenylether
 Concen: 2.443 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG040458.D
 Acq: 12 Apr 2019 12:47

Tgt Ion:248 Resp: 10885
 Ion Ratio Lower Upper
 248 100
 250 183.5 76.4 114.6#
 141 489.2 53.8 80.8#





#71

Phenanthrene

Concen: 0.003 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.02 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

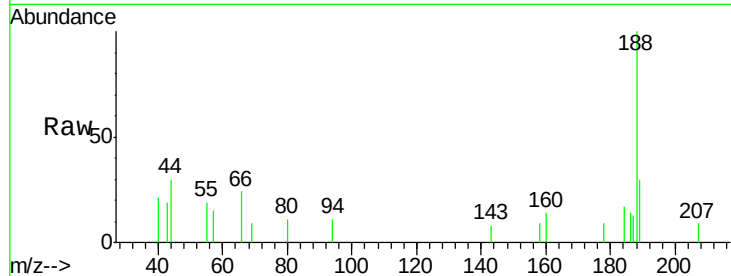
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 59

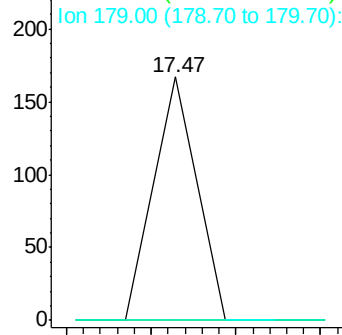
Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.7	25.1#
179	0.0	12.8	19.2#



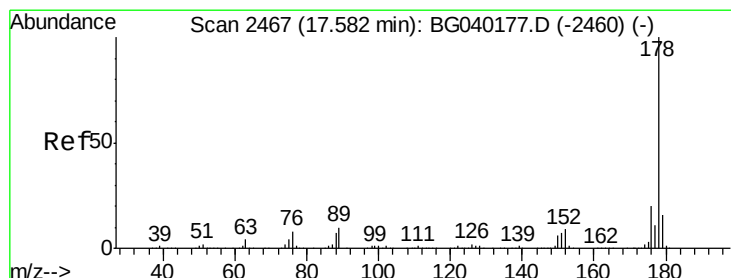
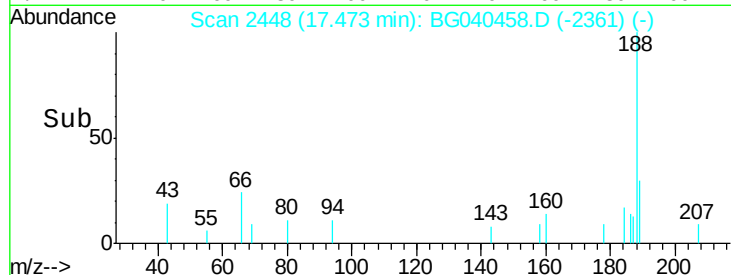
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 0.003 ng

RT: 17.58 min Scan# 2467

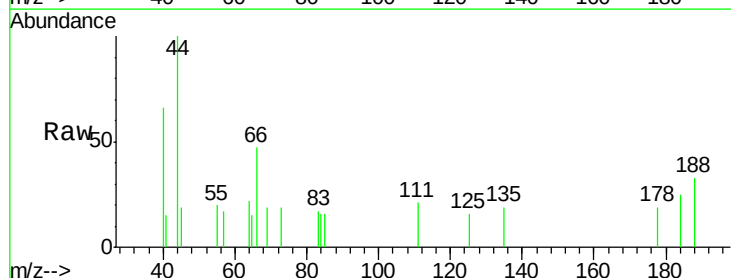
Delta R.T. 0.00 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Tgt Ion:178 Resp: 69

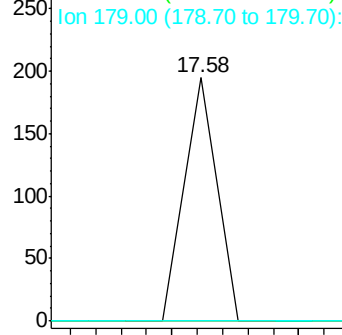
Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.9	23.9#
179	0.0	12.9	19.3#



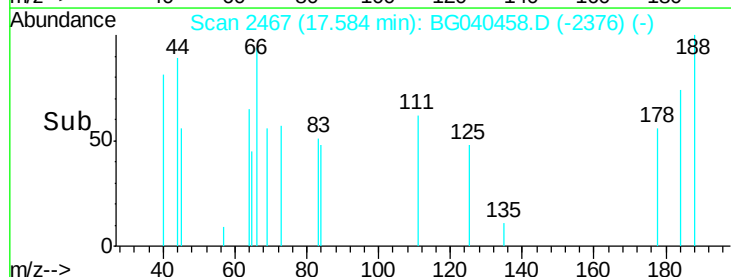
Abundance Ion 178.00 (177.70 to 178.70): E

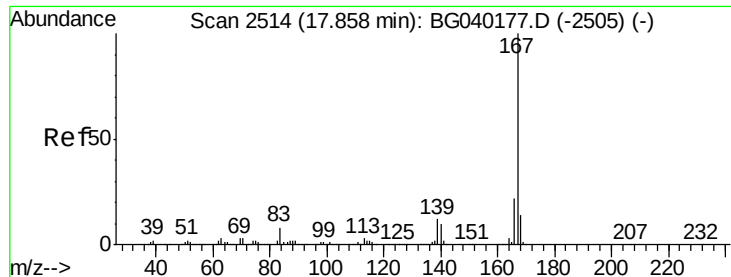
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#73

Carbazole

Concen: 0.003 ng

RT: 18.02 min Scan# 2541

Delta R.T. 0.16 min

Lab File: BG040458.D

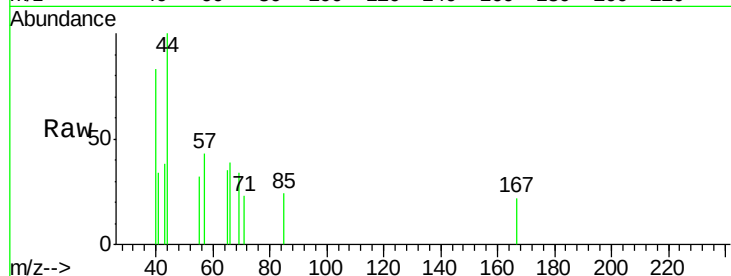
Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

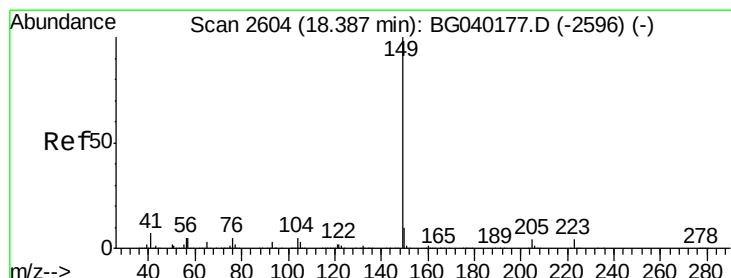
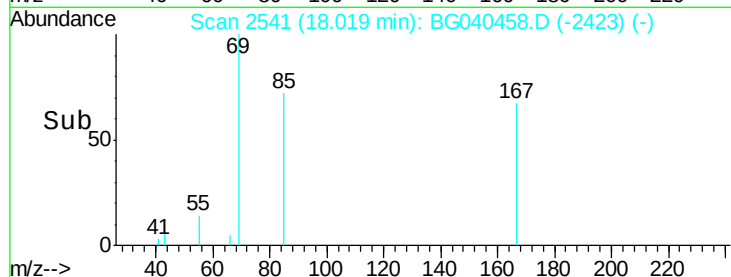
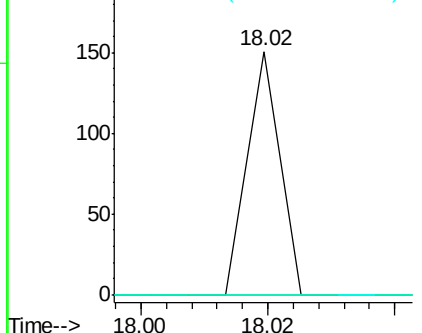
Tot Ion:167	Resp:	53
Ion Ratio	Lower	Upper
167	100	
166	0.0	17.5 26.3#
139	0.0	10.0 15.0#



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: 0.096 ng

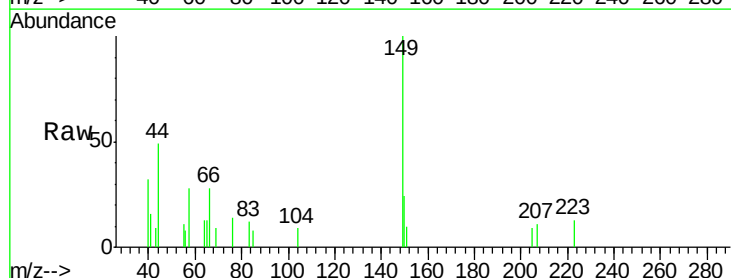
RT: 18.36 min Scan# 2599

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

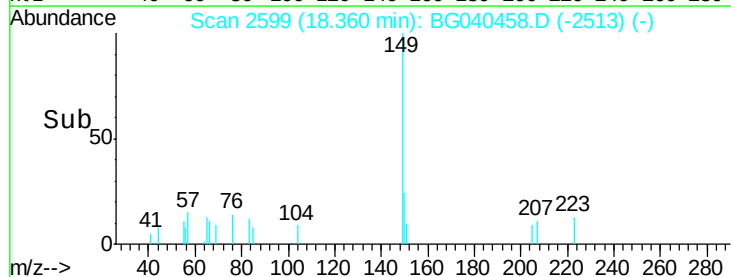
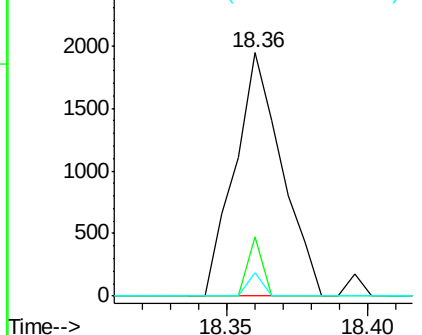
Tgt Ion:149	Resp:	2237
Ion Ratio	Lower	Upper
149	100	
150	24.5	7.9 11.9#
104	9.5	4.1 6.1#

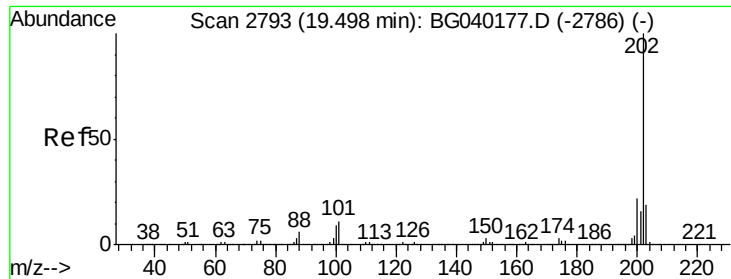


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

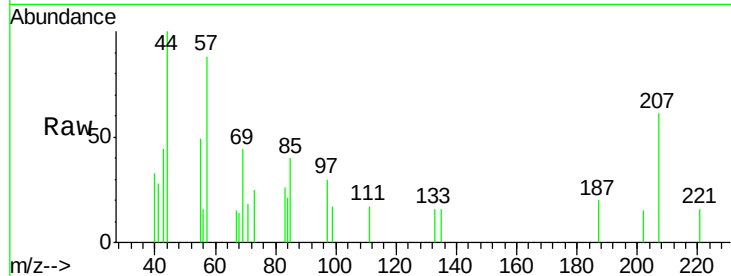




#75
Fluoranthene
Concen: 0.002 ng
RT: 19.48 min Scan# 2789
Delta R.T. -0.02 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Instrument :
BNA_G
ClientSampled :

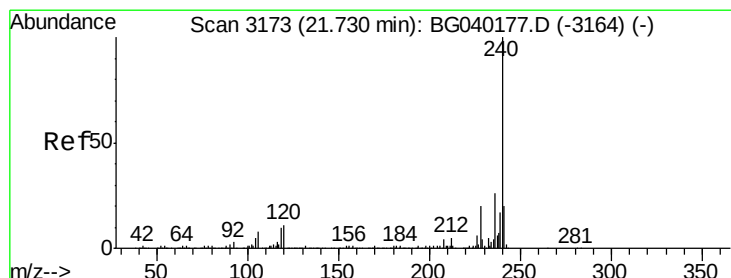
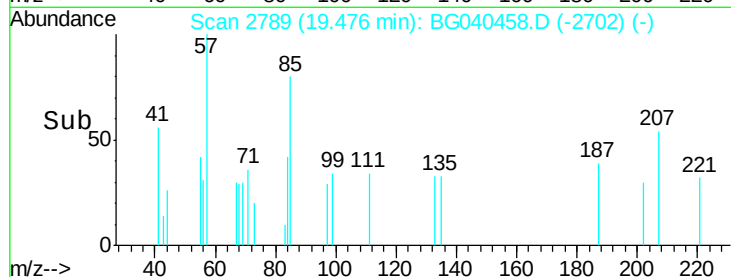
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	30.8
203	0.0	0.0	38.9



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

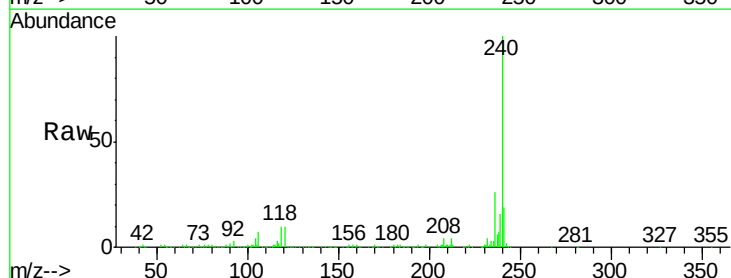
19.48

Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.04 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

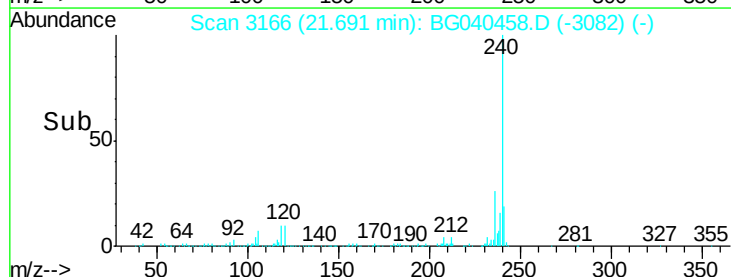
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	26.1	20.8	31.2

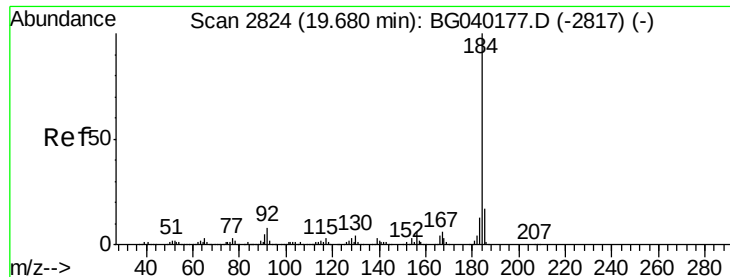


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

21.69

Time-->





#77

Benzidine

Concen: 1.139 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.34 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

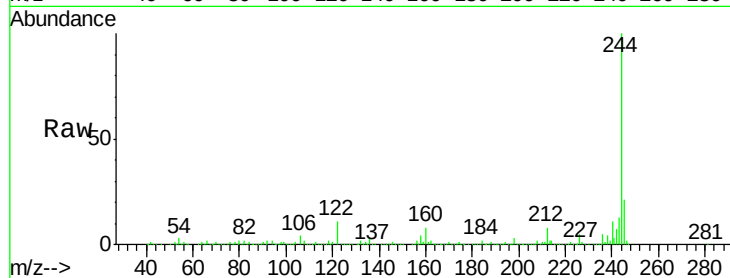
Tot Ion:184 Resp: 16778

Ion Ratio Lower Upper

184 100

185 17.1 13.3 19.9

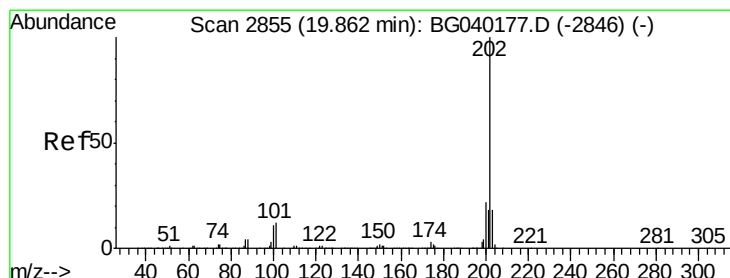
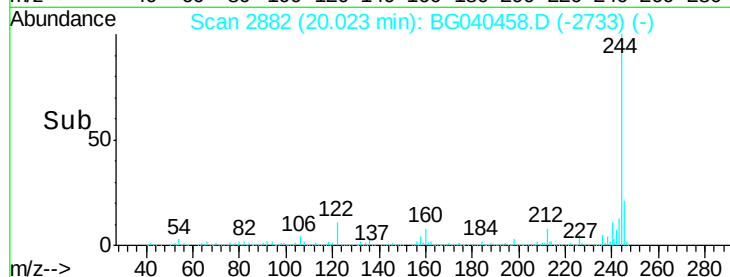
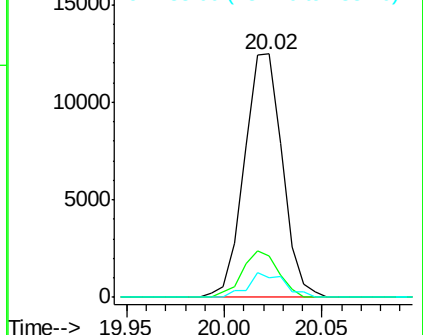
183 8.3 10.3 15.5#



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



#78

Pyrene

Concen: 0.005 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

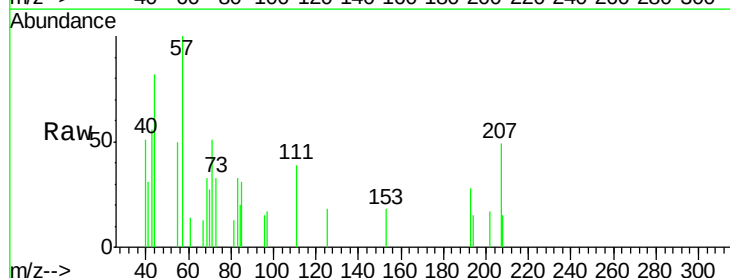
Tgt Ion:202 Resp: 130

Ion Ratio Lower Upper

202 100

200 0.0 17.3 25.9#

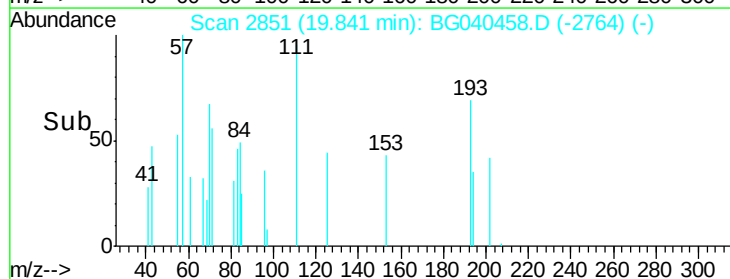
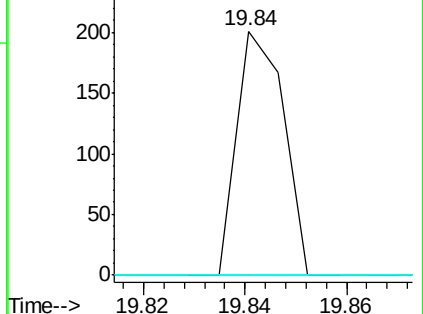
203 0.0 14.6 22.0#

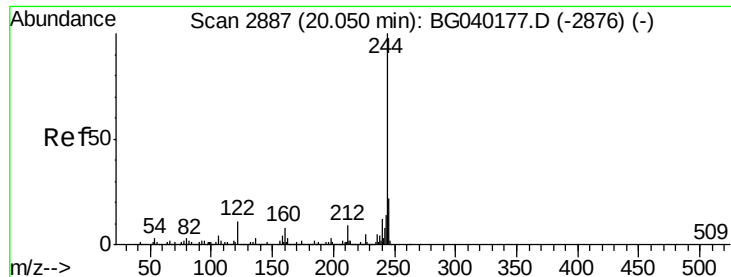


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.797 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampled :

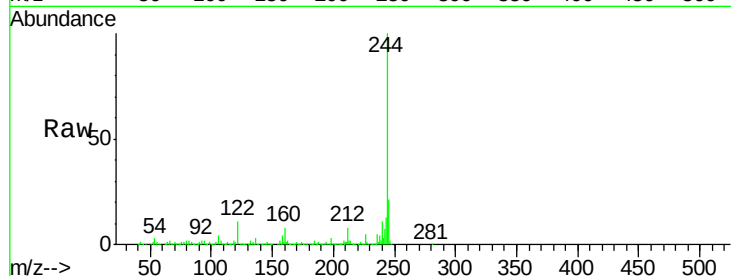
Tot Ion:244 Resp: 1048321

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.6

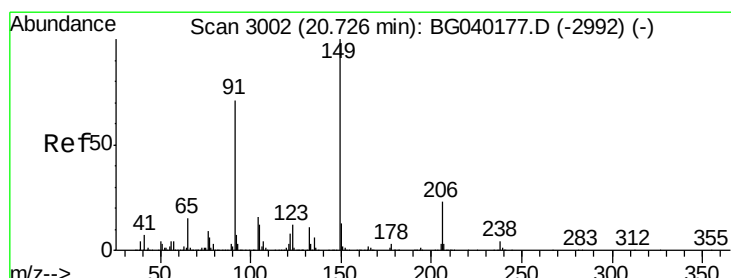
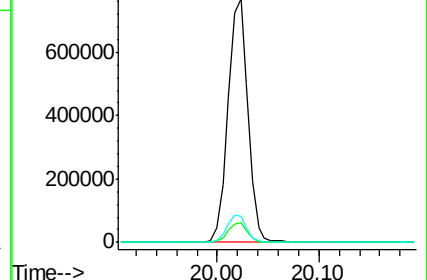
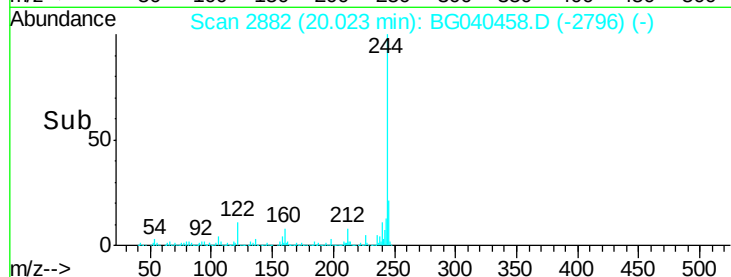
122 10.7 8.5 12.7



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: 0.023 ng

RT: 20.70 min Scan# 2997

Delta R.T. -0.03 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

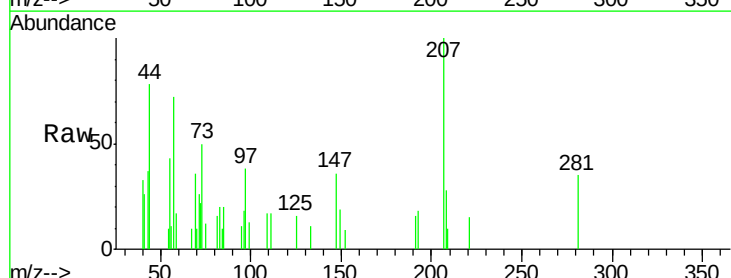
Tgt Ion:149 Resp: 265

Ion Ratio Lower Upper

149 100

91 0.0 57.0 85.4#

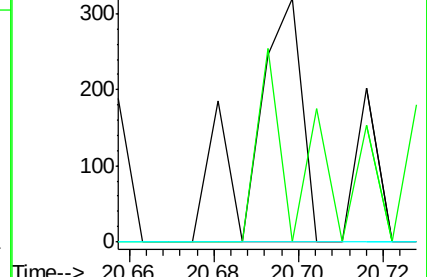
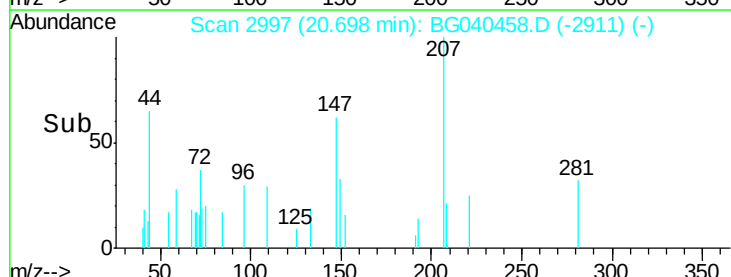
206 0.0 18.2 27.4#

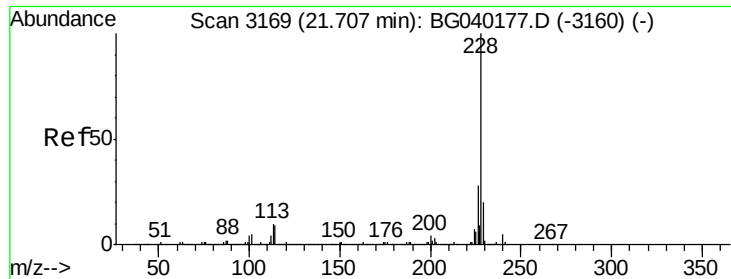


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.055 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.02 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

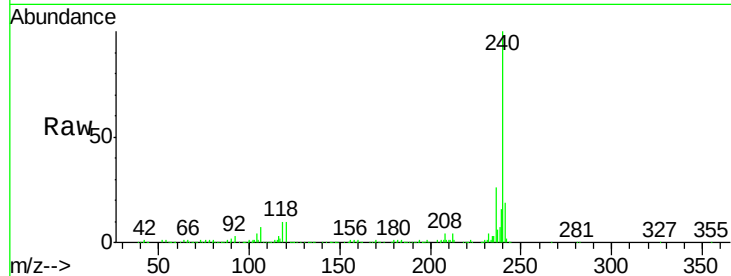
Tot Ion:228 Resp: 1378

Ion Ratio Lower Upper

228 100

226 0.0 22.6 34.0#

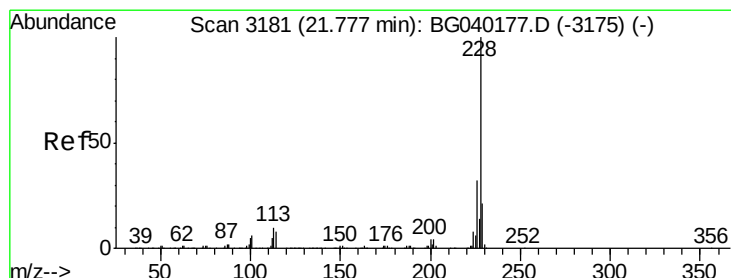
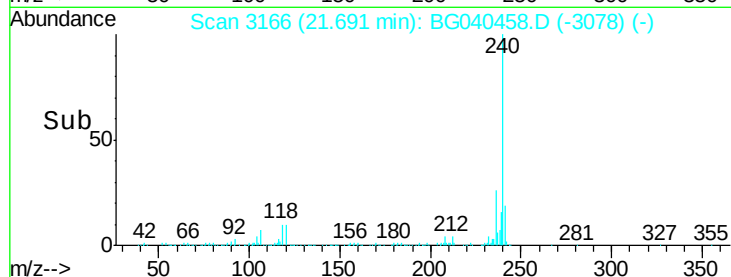
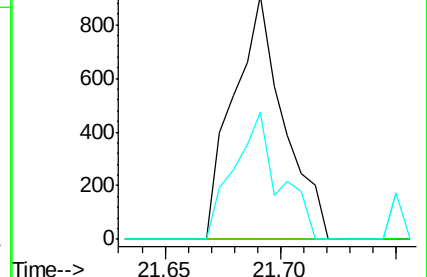
229 52.3 16.1 24.1#



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



#83

Chrysene

Concen: 0.057 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.09 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

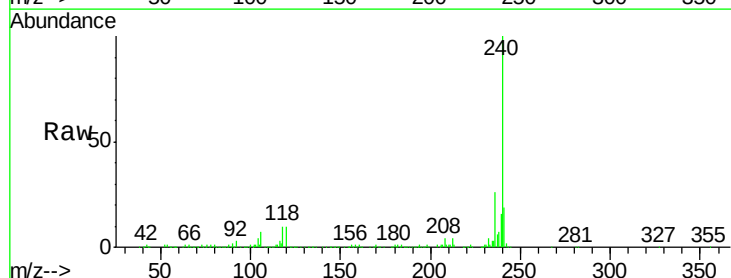
Tgt Ion:228 Resp: 1378

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

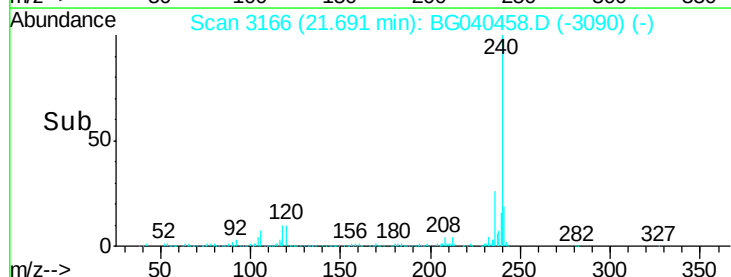
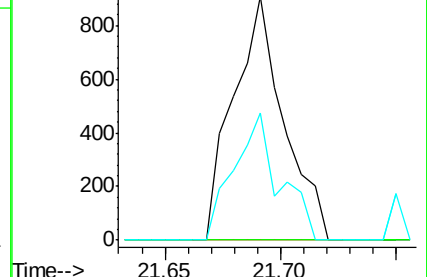
229 52.3 17.0 25.4#

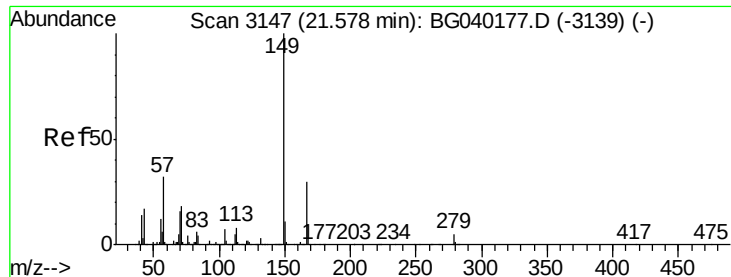


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.274 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.04 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampleId :

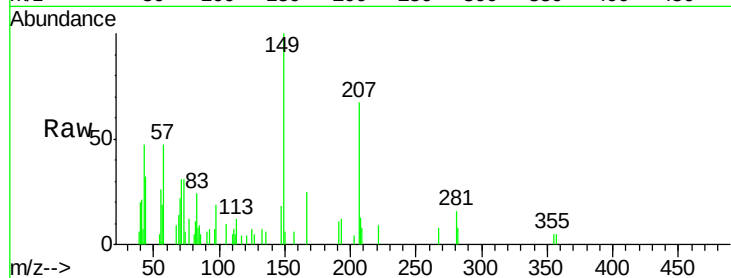
Tot Ion:149 Resp: 4492

Ion Ratio Lower Upper

149 100

167 24.9 24.1 36.1

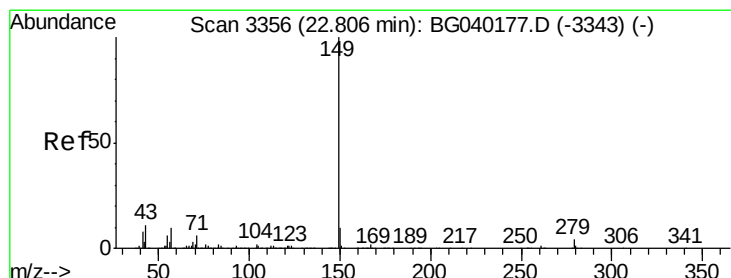
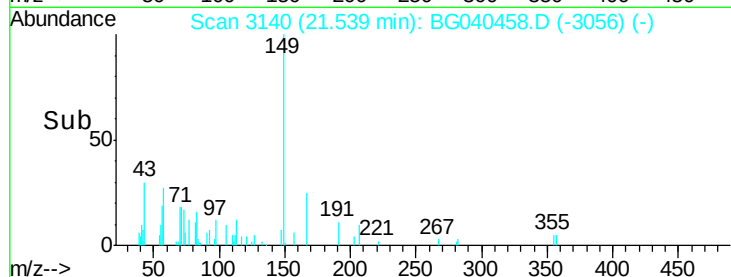
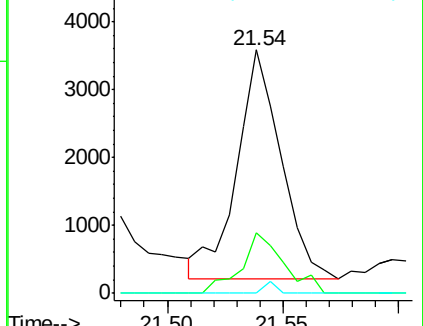
279 0.0 4.1 6.1#



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: 0.032 ng

RT: 22.77 min Scan# 3349

Delta R.T. -0.04 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

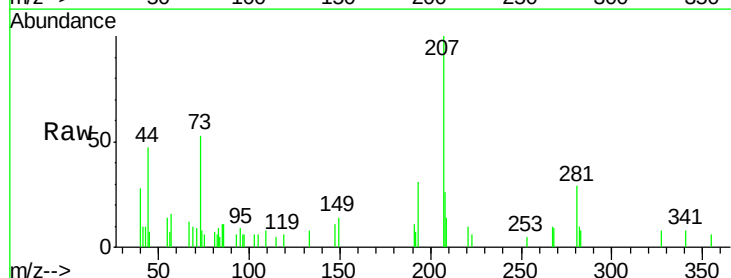
Tgt Ion:149 Resp: 887

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

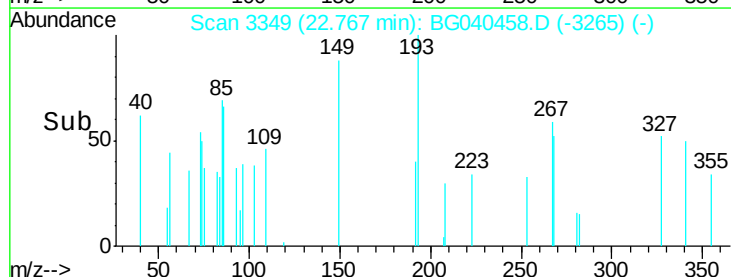
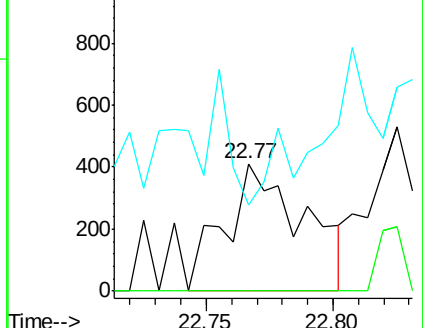
43 0.0 8.7 13.1#

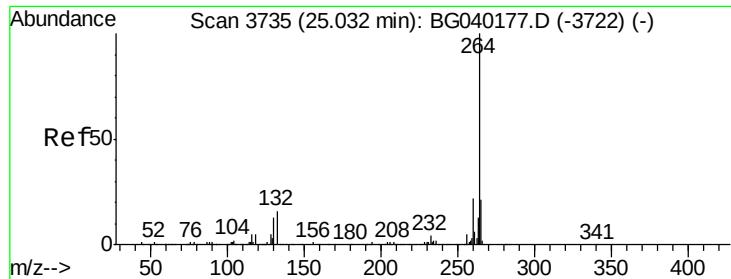


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

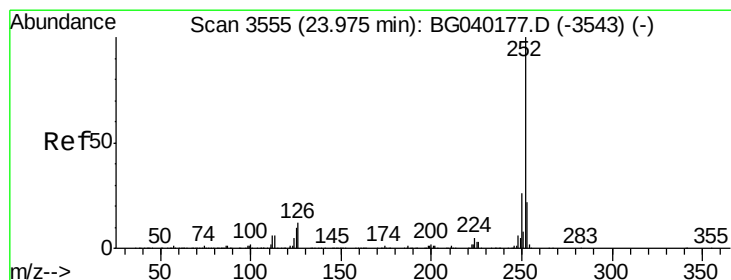
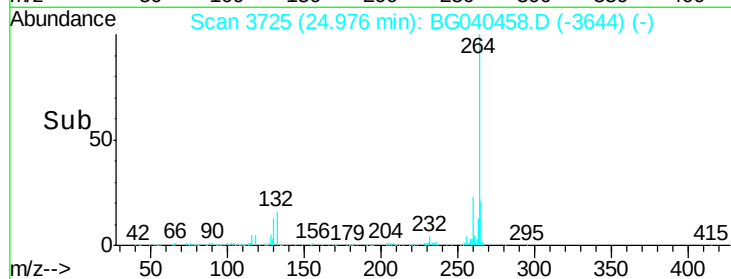
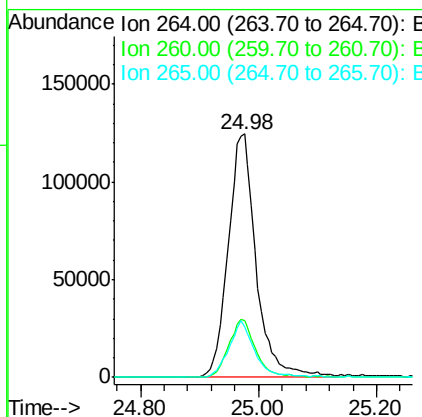
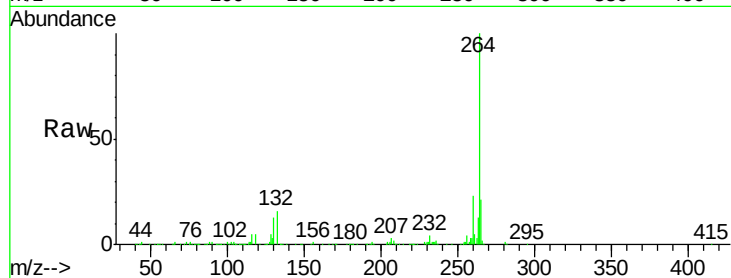




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3725
Delta R.T. -0.06 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

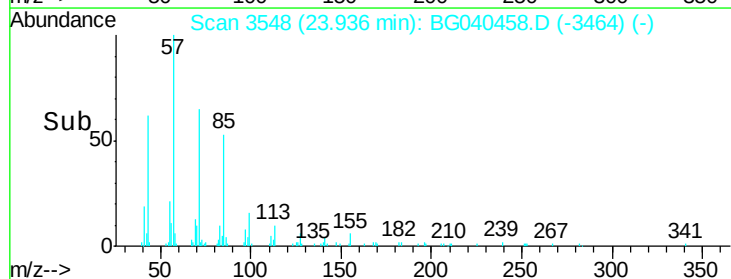
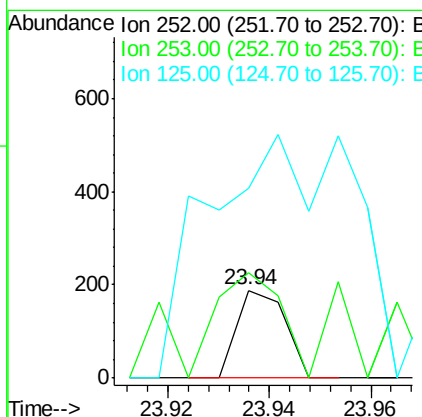
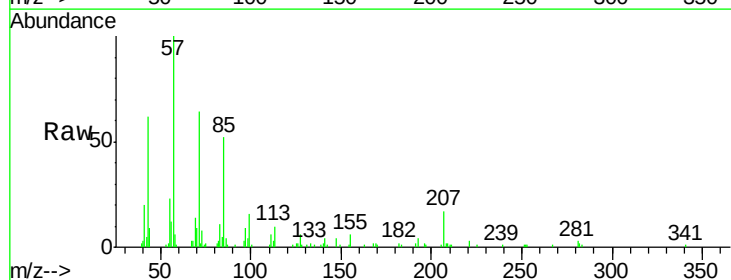
Instrument :
BNA_G
ClientSampleId :

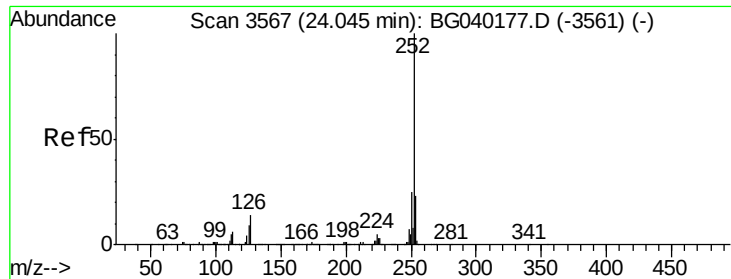
Tot Ion:264 Resp: 412053
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 20.9 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 0.005 ng
RT: 23.94 min Scan# 3548
Delta R.T. -0.04 min
Lab File: BG040458.D
Acq: 12 Apr 2019 12:47

Tgt Ion:252 Resp: 123
Ion Ratio Lower Upper
252 100
253 119.7 17.6 26.4#
125 216.5 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 23.98 min Scan# 3556

Delta R.T. -0.06 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

Instrument :

BNA_G

ClientSampled :

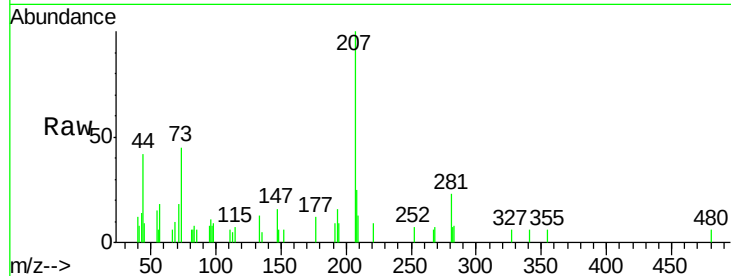
Tot Ion:252 Resp: 69

Ion Ratio Lower Upper

252 100

253 0.0 18.6 28.0#

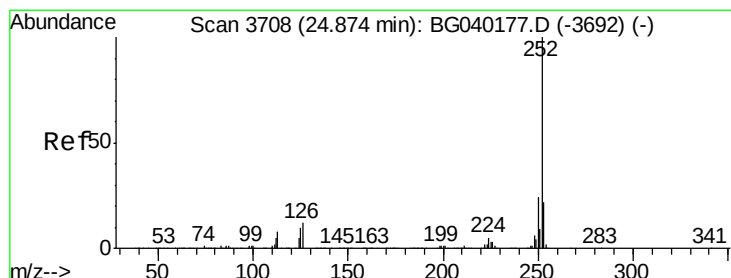
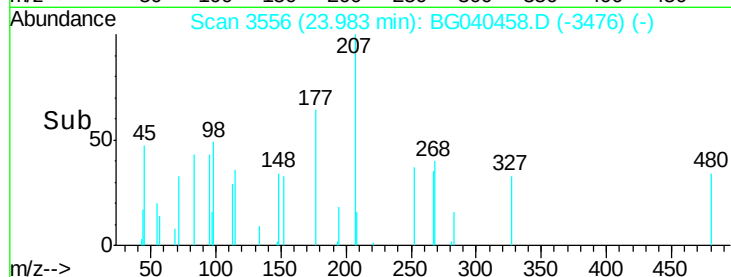
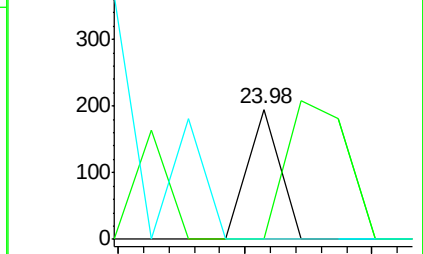
125 0.0 7.3 10.9#



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



#90

Benzo(a)pyrene

Concen: 0.061 ng

RT: 24.96 min Scan# 3722

Delta R.T. 0.08 min

Lab File: BG040458.D

Acq: 12 Apr 2019 12:47

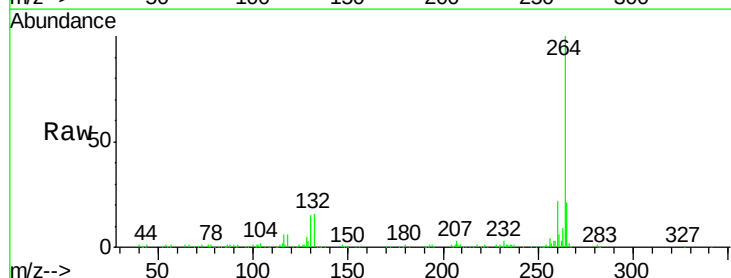
Tgt Ion:252 Resp: 1443

Ion Ratio Lower Upper

252 100

253 28.8 17.8 26.8#

125 0.0 8.3 12.5#



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

