

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040963.D
 Acq On : 30 May 2019 23:22
 Operator : HP/JU
 Sample : K3084-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:04:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	67379	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	263136	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	190331	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	489174	20.00	ng	0.00
76) Chrysene-d12	21.78	240	475634	20.00	ng	0.00
87) Perylene-d12	25.12	264	500921	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	513748	137.49	ng	0.00
7) Phenol-d6	7.27	99	750097	129.98	ng	0.00
23) Nitrobenzene-d5	9.30	82	505384	85.26	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	383200	135.62	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1002272	75.84	ng	0.00
79) Terphenyl-d14	20.09	244	1652035	73.72	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	56493	33.318	ng	91
3) Pyridine	3.93	79	141050	28.113	ng	97
4) n-Nitrosodimethylamine	3.85	42	96950	41.635	ng	94
6) Aniline	7.45	93	179385	23.288	ng	98
8) 2-Chlorophenol	7.68	128	188016	42.206	ng	98
9) Benzaldehyde	7.26	77	90932	26.415	ng	91
10) Phenol	7.30	94	259841	41.995	ng	97
11) bis(2-Chloroethyl)ether	7.54	93	178638	39.797	ng	99
12) 1,3-Dichlorobenzene	8.01	146	203108	38.174	ng	98
13) 1,4-Dichlorobenzene	8.16	146	205842	38.221	ng	96
14) 1,2-Dichlorobenzene	8.48	146	201549	38.543	ng	97
15) Benzyl Alcohol	8.36	79	223794	41.923	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.65	45	283098	38.597	ng	98
17) 2-Methylphenol	8.56	107	185227	41.345	ng	98
18) Hexachloroethane	9.21	117	79348	38.227	ng	96
19) n-Nitroso-di-n-propylamine	8.93	70	174739	39.347	ng	99
20) 3+4-Methylphenols	8.89	107	251508	40.529	ng	98
22) Acetophenone	8.96	105	321092	43.500	ng	# 98
24) Nitrobenzene	9.34	77	267036	44.208	ng	97
25) Isophorone	9.86	82	494665	43.853	ng	99
26) 2-Nitrophenol	10.06	139	112488	45.172	ng	# 85
27) 2,4-Dimethylphenol	10.10	122	201310	48.948	ng	91
28) bis(2-Chloroethoxy)methane	10.34	93	257427	42.283	ng	99
29) 2,4-Dichlorophenol	10.58	162	224295	42.947	ng	96
30) 1,2,4-Trichlorobenzene	10.80	180	241988	40.731	ng	96
31) Naphthalene	11.00	128	595051	42.118	ng	99
32) Benzoic acid	10.17	122	18927	13.046	ng	95
33) 4-Chloroaniline	11.11	127	126066	19.231	ng	97
34) Hexachlorobutadiene	11.26	225	175481	38.602	ng	99
35) Caprolactam	11.89	113	33269	19.290	ng	88
36) 4-Chloro-3-methylphenol	12.21	107	257856	43.231	ng	98
37) 2-Methylnaphthalene	12.59	142	446688	41.052	ng	99
38) 1-Methylnaphthalene	12.59	142	446688	43.564	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.95	216	324420	42.290	ng	99

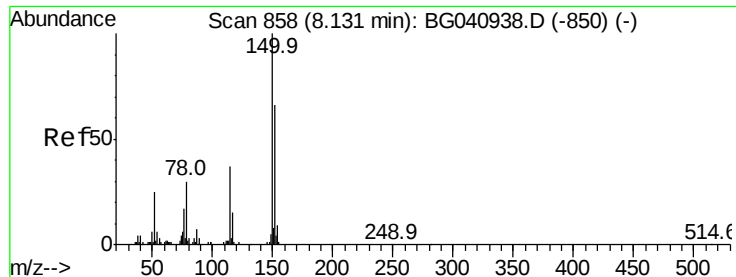
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.92	237	420088	99.620	ng	98
43) 2,4,6-Trichlorophenol	13.19	196	218522	44.033	ng	98
44) 2,4,5-Trichlorophenol	13.26	196	231112	44.157	ng	98
46) 1,1'-Biphenyl	13.59	154	608884	43.218	ng	99
47) 2-Chloronaphthalene	13.64	162	501739	41.483	ng	99
48) 2-Nitroaniline	13.85	65	189081	43.577	ng	96
49) Acenaphthylene	14.48	152	781606	42.937	ng	100
50) Dimethylphthalate	14.20	163	855526	53.100	ng	99
51) 2,6-Dinitrotoluene	14.33	165	153942	44.315	ng	100
52) Acenaphthene	14.82	154	458905	41.614	ng	95
53) 3-Nitroaniline	14.66	138	98375	28.320	ng	100
54) 2,4-Dinitrophenol	14.87	184	137445	77.156	ng	94
55) Dibenzofuran	15.15	168	781817	42.134	ng	100
56) 4-Nitrophenol	14.96	139	239109	100.355	ng	94
57) 2,4-Dinitrotoluene	15.11	165	215877	43.994	ng	# 97
58) Fluorene	15.80	166	612836	41.471	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.37	232	237543	46.183	ng	99
60) Diethylphthalate	15.55	149	695169	42.279	ng	98
61) 4-Chlorophenyl-phenylether	15.78	204	400157	41.661	ng	97
62) 4-Nitroaniline	15.83	138	153760	41.811	ng	97
63) Azobenzene	16.08	77	630185	42.169	ng	98
65) 4,6-Dinitro-2-methylphenol	15.87	198	126231	48.128	ng	99
66) n-Nitrosodiphenylamine	16.00	169	582124	42.332	ng	99
67) 4-Bromophenyl-phenylether	16.68	248	260249	39.422	ng	95
68) Hexachlorobenzene	16.79	284	269566	38.347	ng	96
69) Atrazine	16.94	200	256046	48.256	ng	99
70) Pentachlorophenol	17.14	266	327611	86.624	ng	98
71) Phenanthrene	17.54	178	1059483	41.580	ng	97
72) Anthracene	17.63	178	1091447	43.431	ng	99
73) Carbazole	17.90	167	973310	45.138	ng	99
74) Di-n-butylphthalate	18.43	149	1098778	40.999	ng	98
75) Fluoranthene	19.54	202	1352935	42.988	ng	98
77) Benzidine	19.72	184	384929	33.925	ng	97
78) Pyrene	19.90	202	1336470	43.224	ng	98
80) Butylbenzylphthalate	20.77	149	505231	41.989	ng	98
81) Benzo(a)anthracene	21.76	228	1280389	40.440	ng	99
82) 3,3'-Dichlorobenzidine	21.67	252	262099	23.536	ng	100
83) Chrysene	21.83	228	1241469	40.975	ng	96
84) Bis(2-ethylhexyl)phthalate	21.62	149	701779	41.431	ng	99
85) Di-n-octyl phthalate	22.88	149	1165718	41.323	ng	99
86) Indeno(1,2,3-cd)pyrene	28.96	276	1518910	40.925	ng	# 98
88) Benzo(b)fluoranthene	24.05	252	1307436	43.032	ng	99
89) Benzo(k)fluoranthene	24.12	252	1237385	41.156	ng	99
90) Benzo(a)pyrene	24.96	252	1261612	43.523	ng	97
91) Dibenzo(a,h)anthracene	29.03	278	1239329	42.788	ng	99
92) Benzo(g,h,i)perylene	30.17	276	1259504	44.759	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

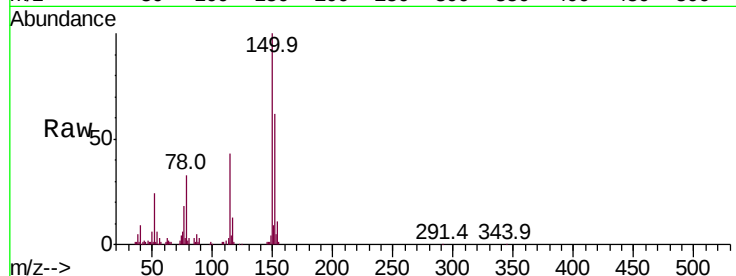
Tot Ion:152 Resp: 67379

Ion Ratio Lower Upper

152 100

150 161.3 120.6 180.8

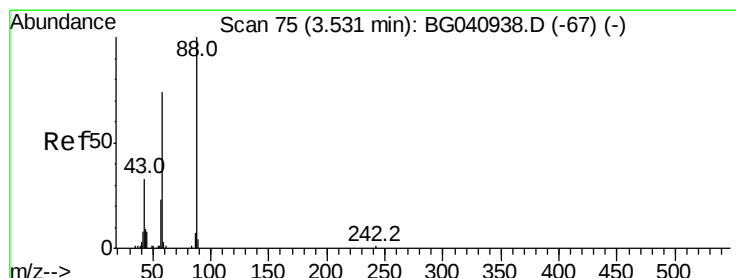
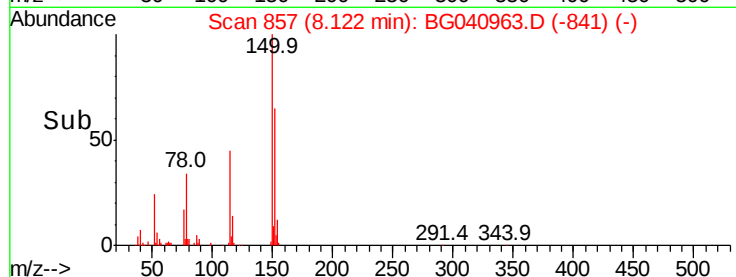
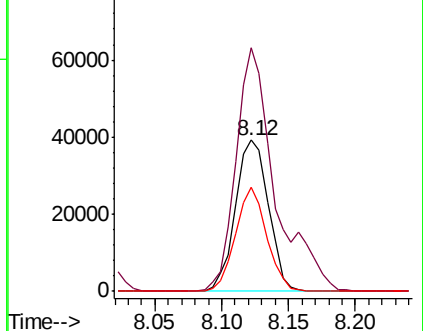
115 68.8 45.1 67.7#



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: 33.318 ng

RT: 3.52 min Scan# 74

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

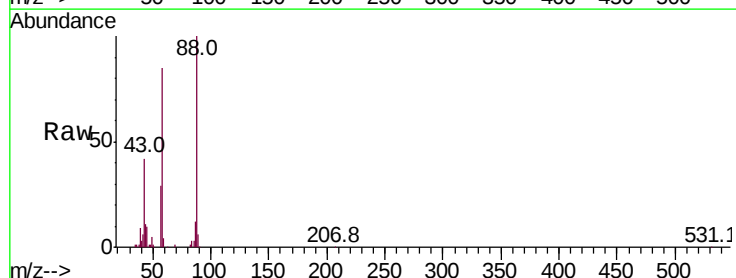
Tgt Ion: 88 Resp: 56493

Ion Ratio Lower Upper

88 100

58 80.5 59.0 88.6

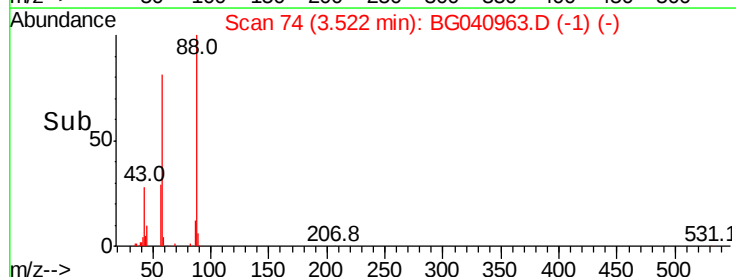
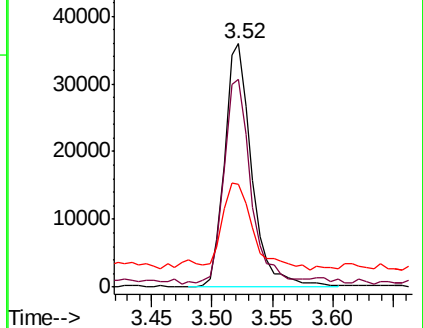
43 39.9 27.2 40.8

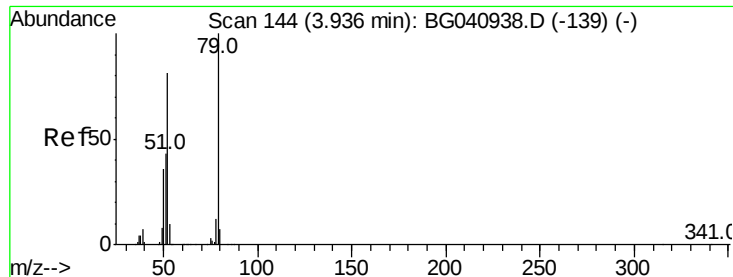


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 28.113 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

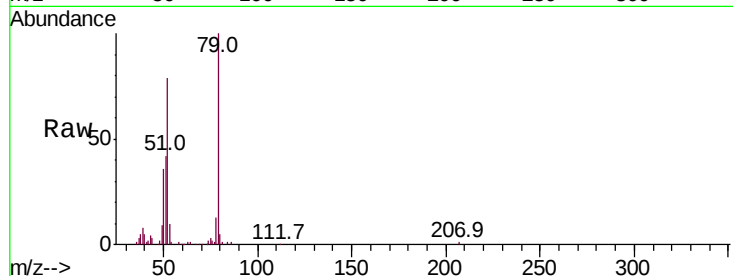
Tot Ion: 79 Resp: 141050

Ion Ratio Lower Upper

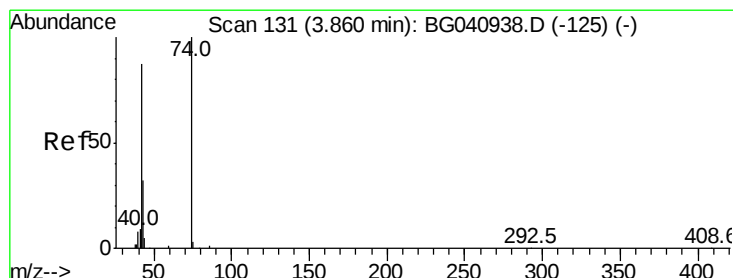
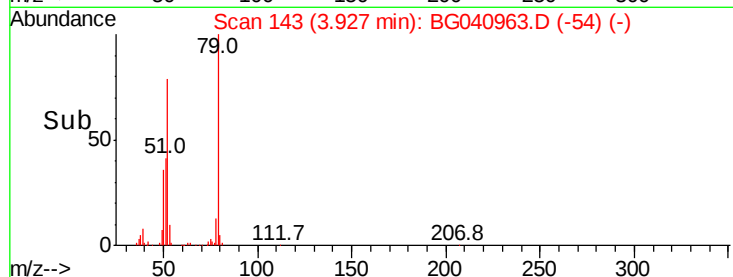
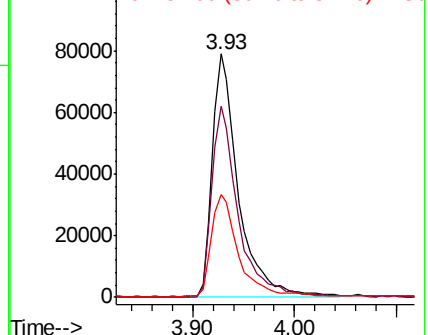
79 100

52 78.7 64.8 97.2

51 42.0 35.3 52.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 41.635 ng

RT: 3.85 min Scan# 130

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

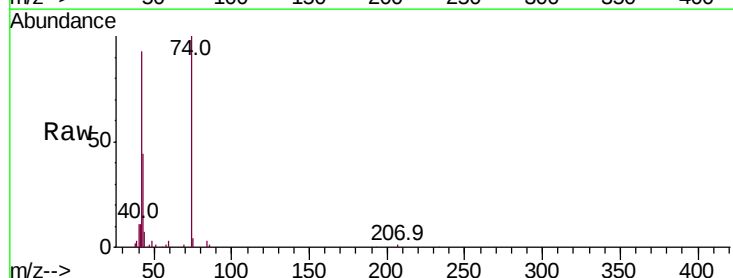
Tgt Ion: 42 Resp: 96950

Ion Ratio Lower Upper

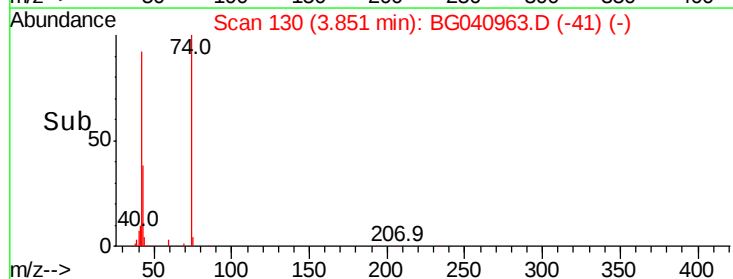
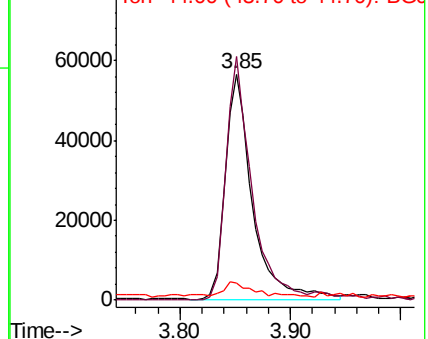
42 100

74 107.8 91.8 137.6

44 7.4 6.0 9.0



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 137.490 ng

RT: 5.66 min Scan# 438

Delta R.T. 0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

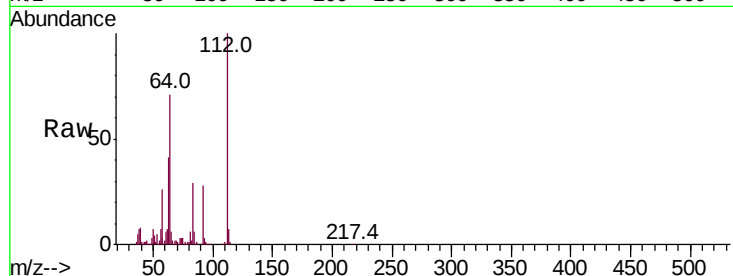
Tot Ion:112 Resp: 513748

Ion Ratio Lower Upper

112 100

64 70.5 56.2 84.2

63 41.2 32.8 49.2



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

5.66

400000

300000

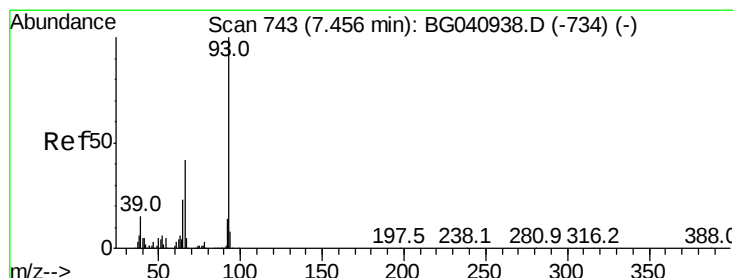
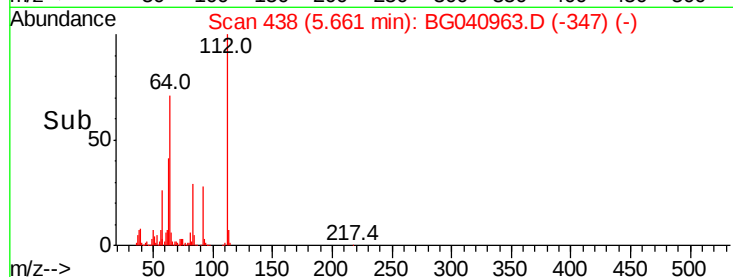
200000

100000

0

5.60 5.70 5.80

Time-->



#6

Aniline

Concen: 23.288 ng

RT: 7.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

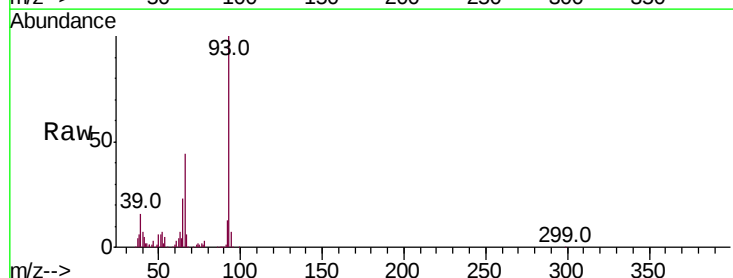
Tgt Ion: 93 Resp: 179385

Ion Ratio Lower Upper

93 100

66 44.1 33.8 50.8

65 22.6 18.3 27.5



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

150000

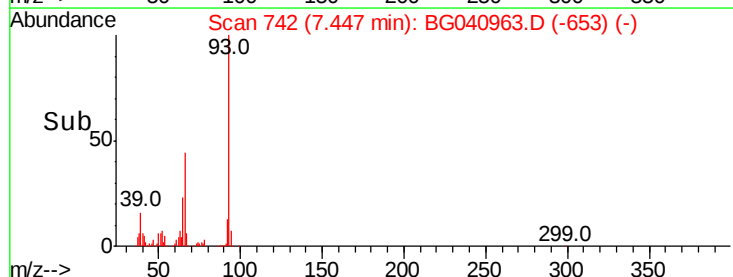
100000

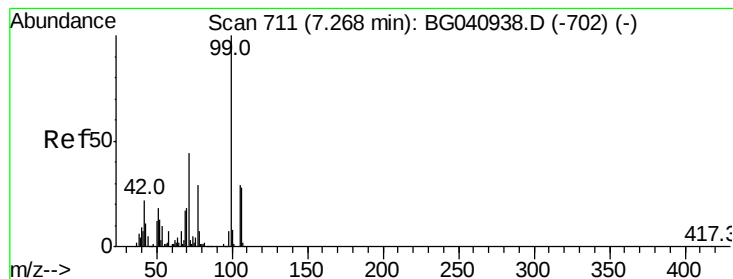
50000

0

7.35 7.40 7.45 7.50

Time-->





#7

Phenol-d6

Concen: 129.981 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampled :

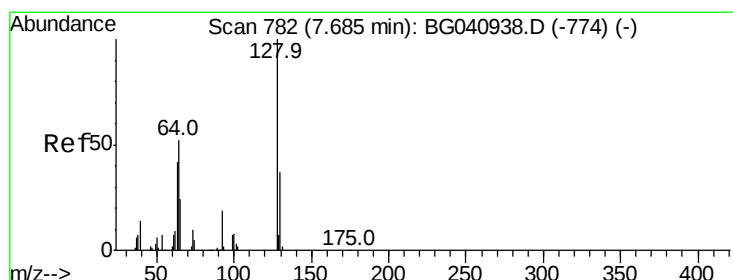
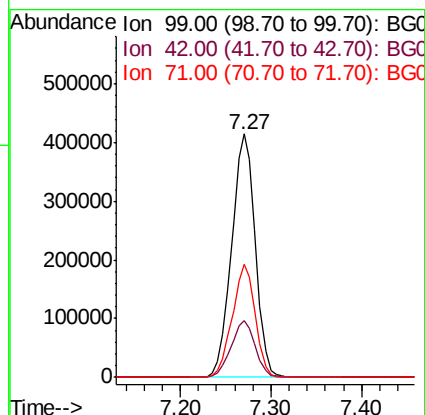
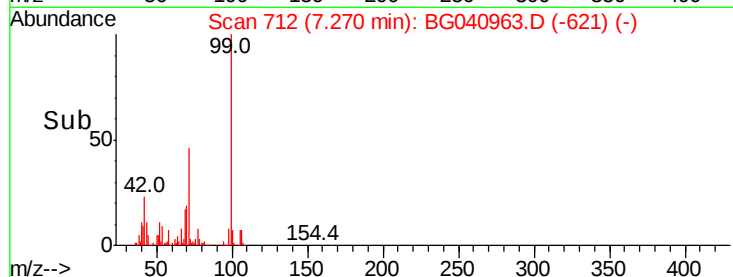
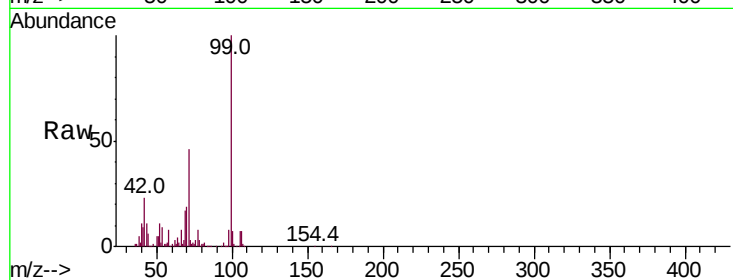
Tot Ion: 99 Resp: 750097

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

71 46.2 35.4 53.0



#8

2-Chlorophenol

Concen: 42.206 ng

RT: 7.68 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

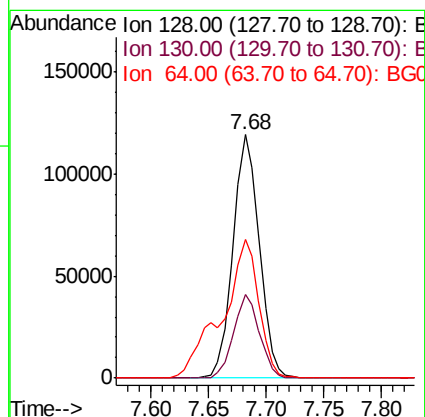
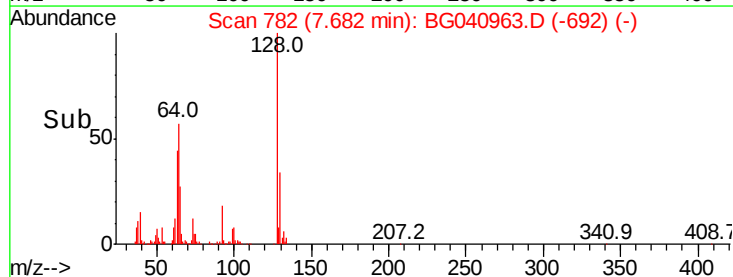
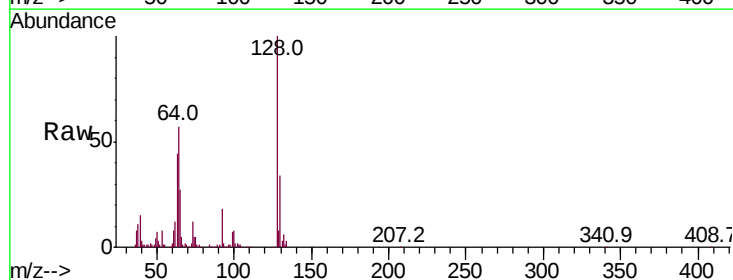
Tgt Ion: 128 Resp: 188016

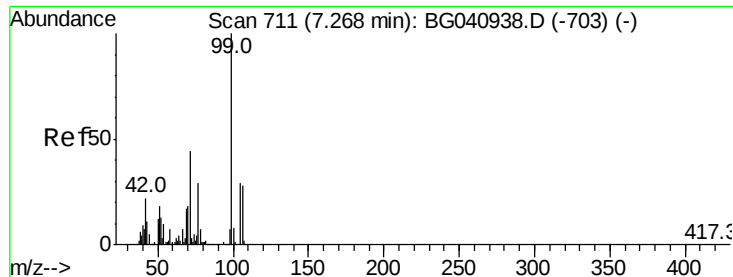
Ion Ratio Lower Upper

128 100

130 34.3 16.6 56.6

64 57.2 37.8 77.8





#9

Benzaldehyde

Concen: 26.415 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

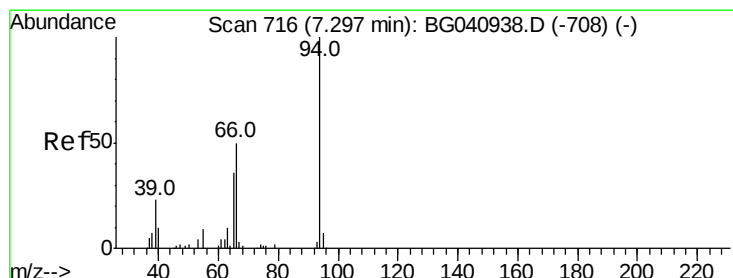
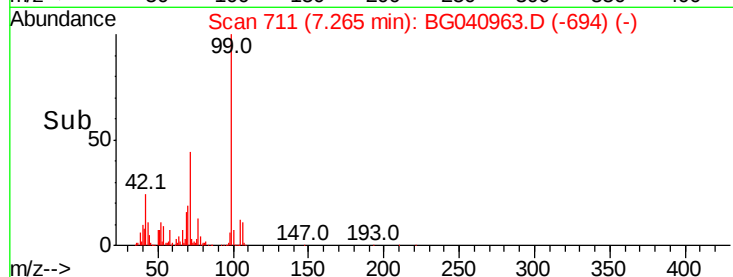
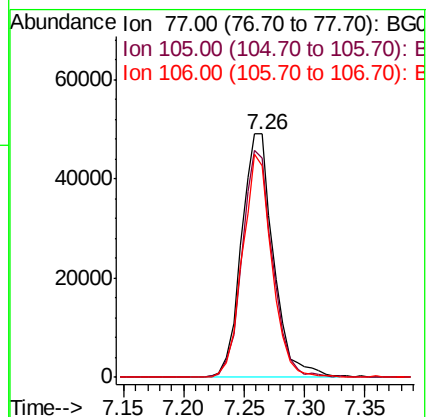
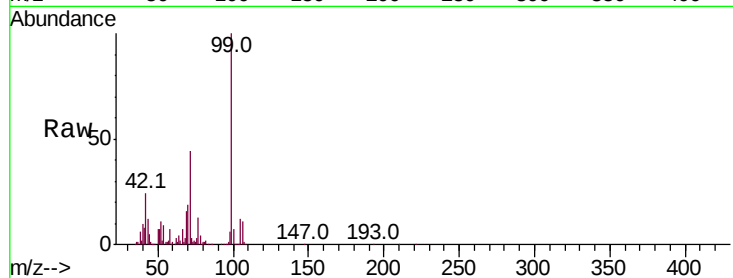
Tot Ion: 77 Resp: 90932

Ion Ratio Lower Upper

77 100

105 90.2 78.9 118.9

106 86.7 76.7 116.7



#10

Phenol

Concen: 41.995 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

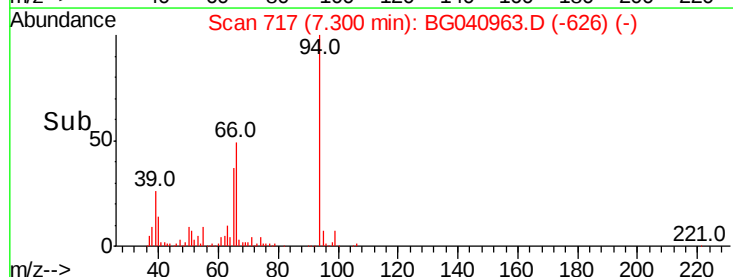
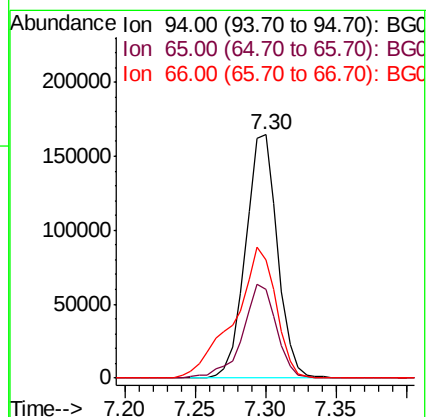
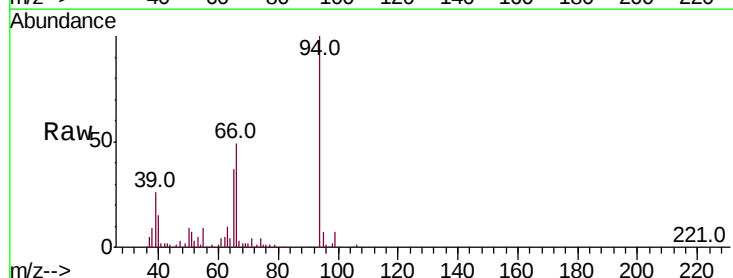
Tgt Ion: 94 Resp: 259841

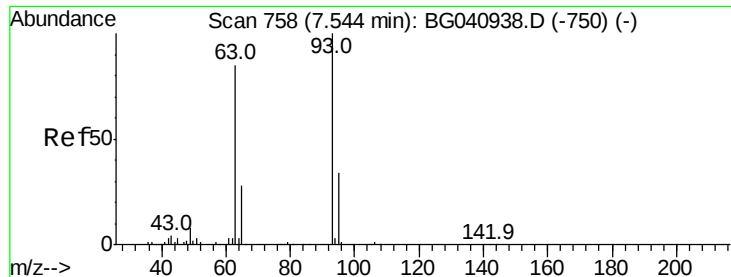
Ion Ratio Lower Upper

94 100

65 36.6 17.0 57.0

66 48.7 32.4 72.4





#11

bis(2-Chloroethyl)ether

Concen: 39.797 ng

RT: 7.54 min Scan# 758

Delta R.T. -0.00 min

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Acq: 30 May 2019 23:22

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ClientSampleId :

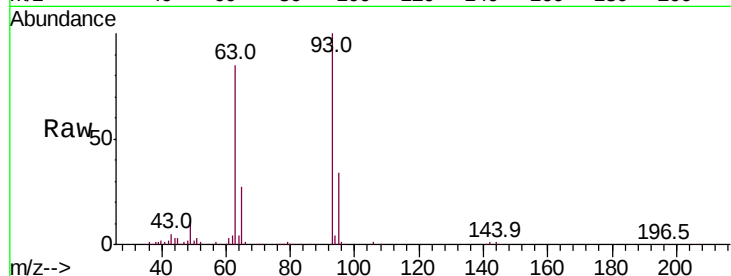
Tot Ion: 93 Resp: 178638

Ion Ratio Lower Upper

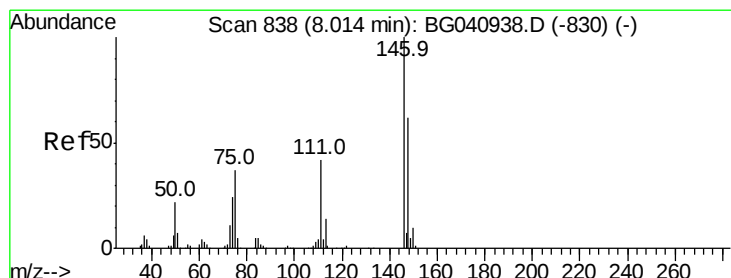
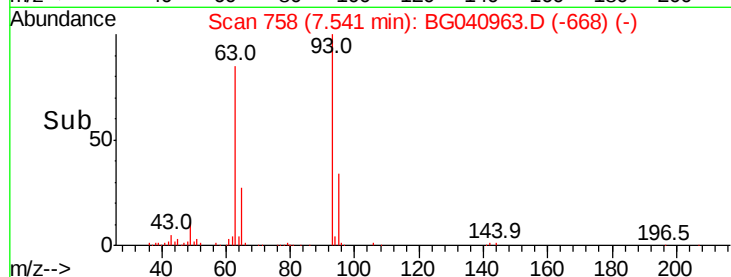
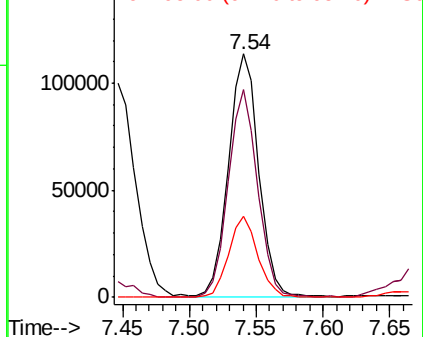
93 100

63 85.1 64.5 104.5

95 33.5 13.3 53.3



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



#12

1,3-Dichlorobenzene

Concen: 38.174 ng

RT: 8.01 min Scan# 838

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

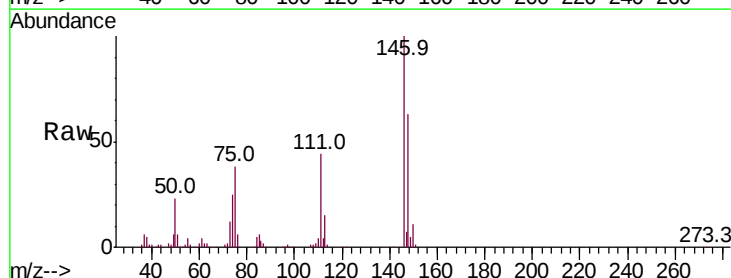
Tgt Ion: 146 Resp: 203108

Ion Ratio Lower Upper

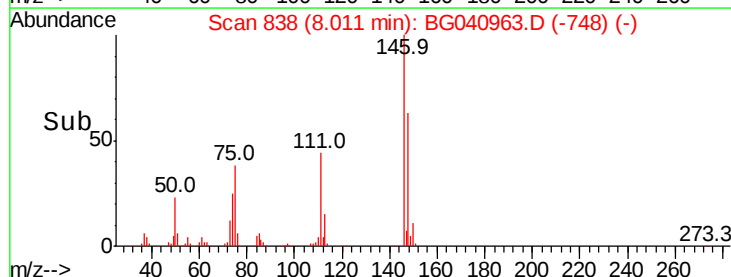
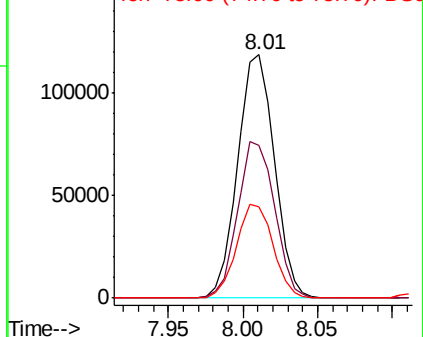
146 100

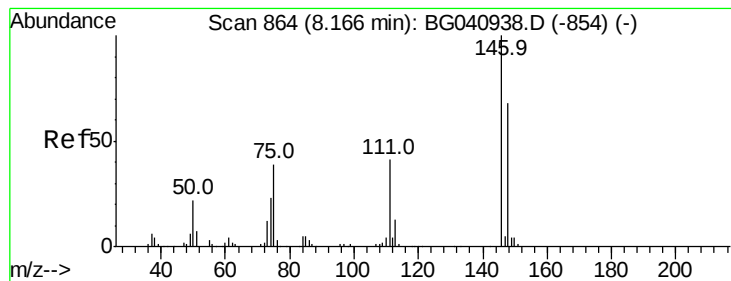
148 62.7 49.2 73.8

75 37.7 29.4 44.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 38.221 ng

RT: 8.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

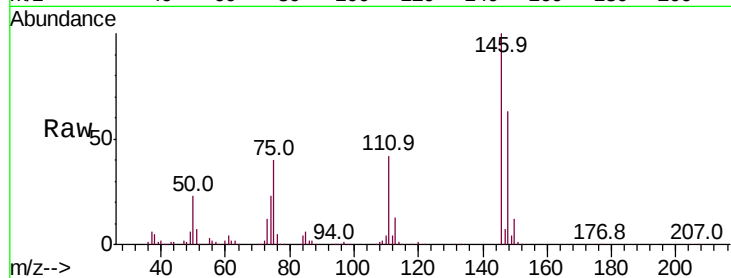
Tot Ion:146 Resp: 205842

Ion Ratio Lower Upper

146 100

148 63.1 54.2 81.4

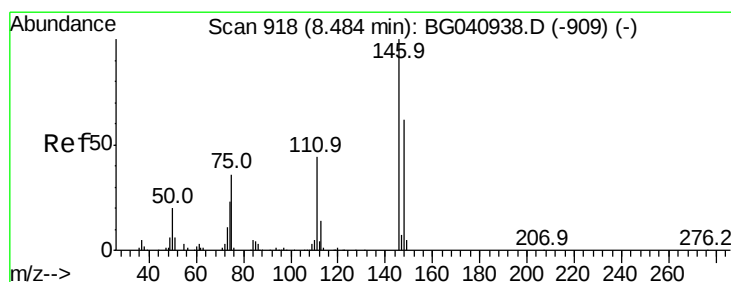
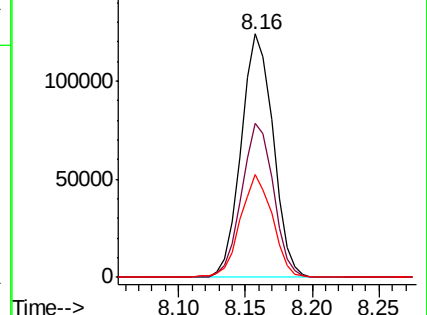
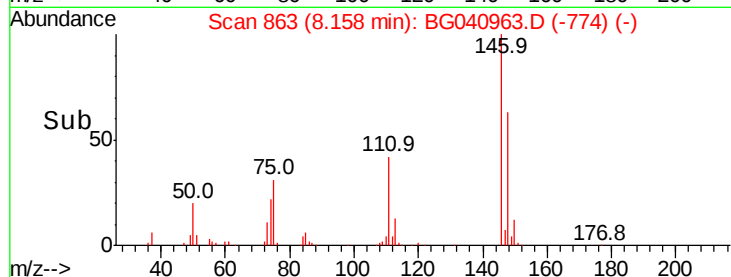
111 42.3 32.9 49.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.543 ng

RT: 8.48 min Scan# 918

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

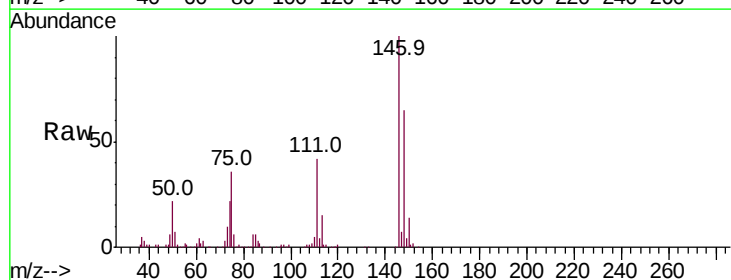
Tgt Ion:146 Resp: 201549

Ion Ratio Lower Upper

146 100

148 64.7 49.8 74.6

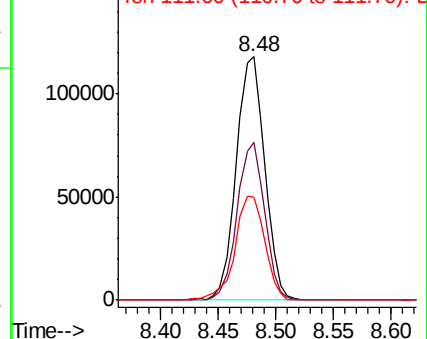
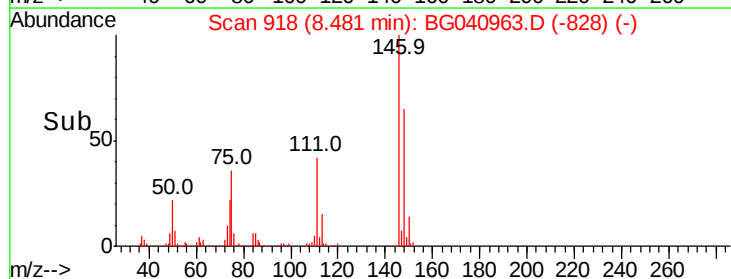
111 42.2 35.0 52.4

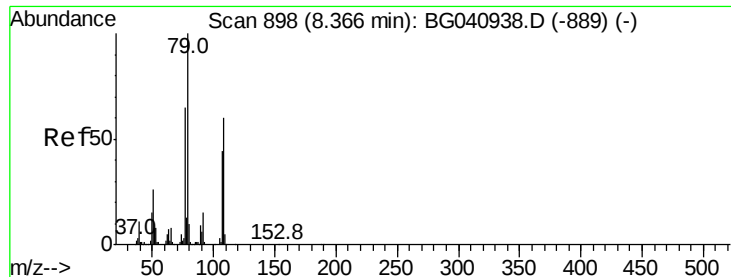


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.923 ng

RT: 8.36 min Scan# 898

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

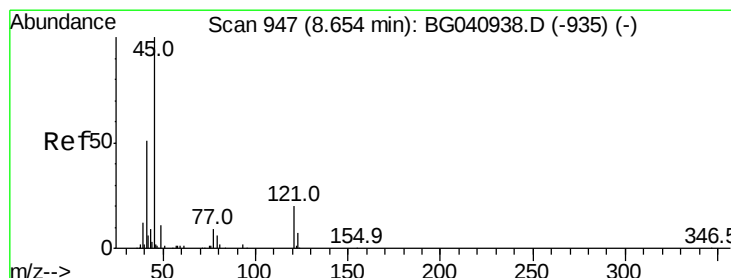
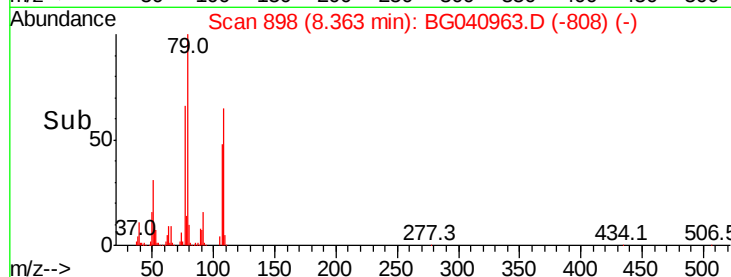
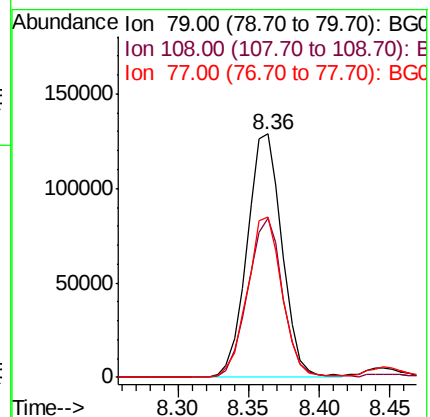
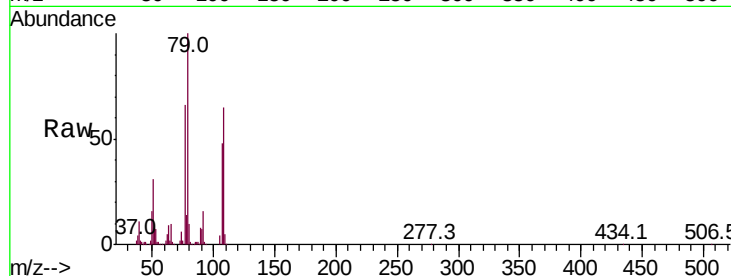
Tot Ion: 79 Resp: 223794

Ion Ratio Lower Upper

79 100

108 65.3 48.3 72.5

77 65.8 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.597 ng

RT: 8.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

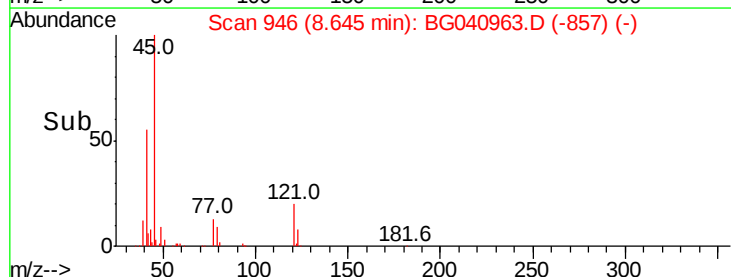
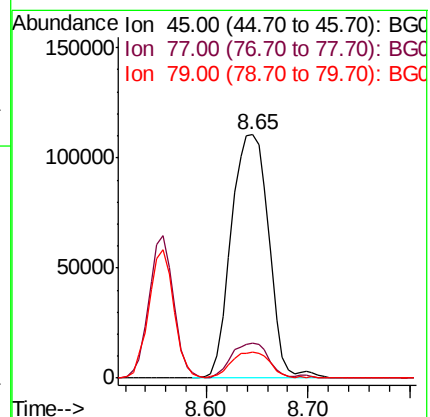
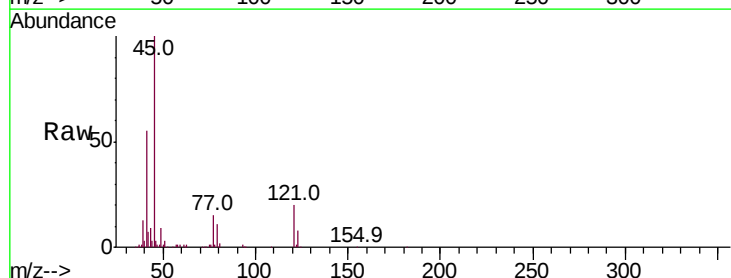
Tgt Ion: 45 Resp: 283098

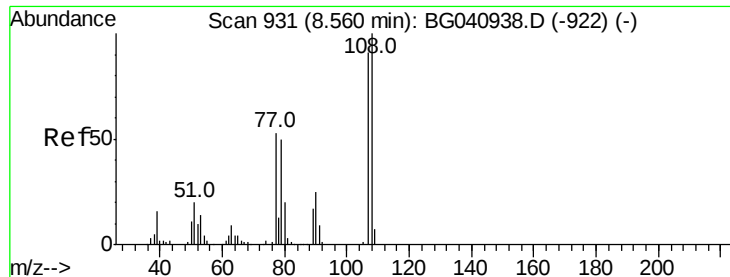
Ion Ratio Lower Upper

45 100

77 14.6 0.0 33.7

79 10.5 0.0 30.2





#17

2-Methylphenol

Concen: 41.345 ng

RT: 8.56 min Scan# 931

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampled :

Tot Ion:107 Resp: 185227

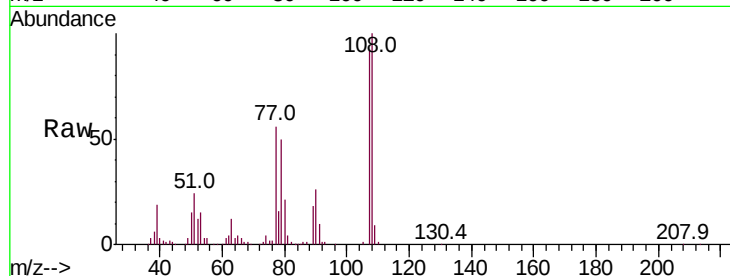
Ion Ratio Lower Upper

107 100

108 108.2 87.7 131.5

77 60.2 46.6 70.0

79 54.2 44.6 66.8



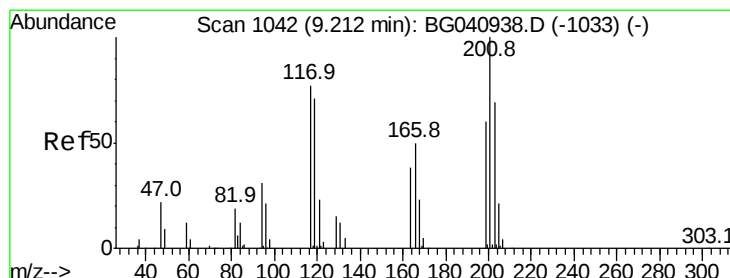
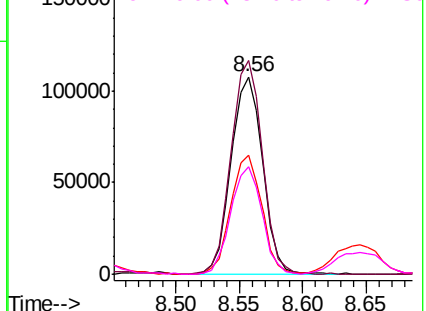
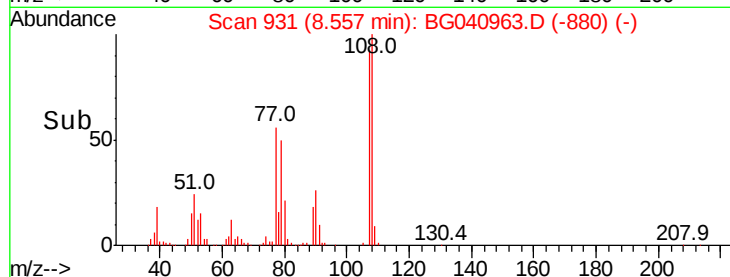
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 38.227 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

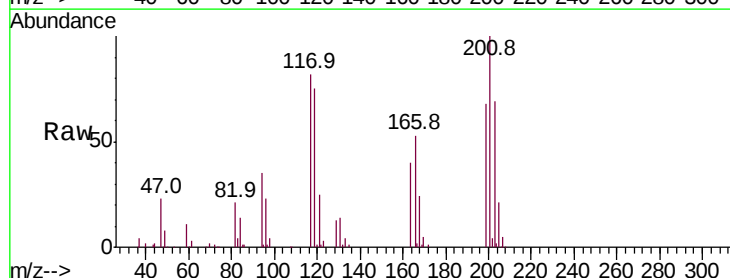
Tgt Ion:117 Resp: 79348

Ion Ratio Lower Upper

117 100

119 92.3 75.0 112.6

201 122.6 103.5 155.3

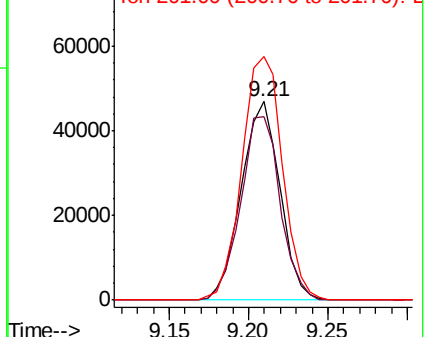
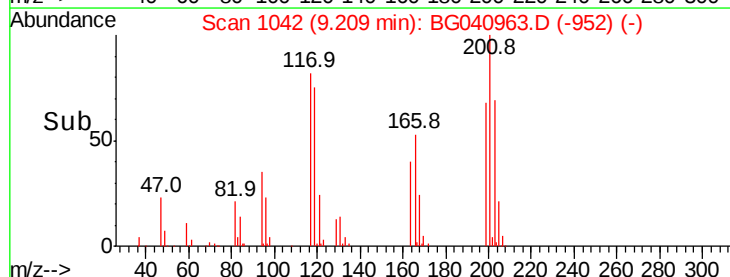


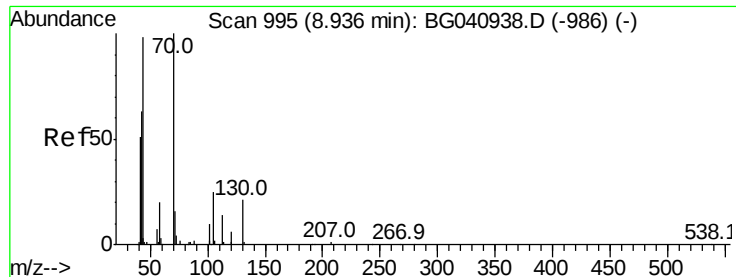
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 39.347 ng

RT: 8.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 174739

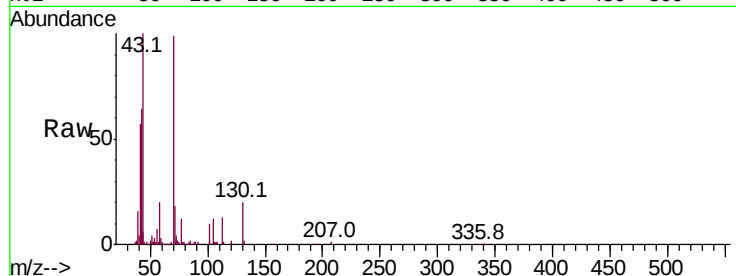
Ion Ratio Lower Upper

70 100

42 64.9 51.5 77.3

101 10.3 8.1 12.1

130 20.3 16.6 24.8

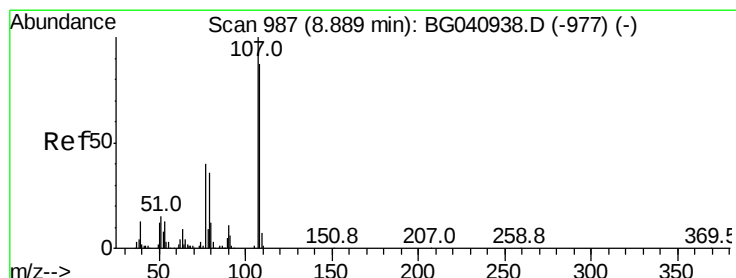
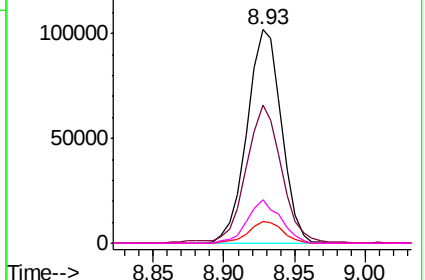
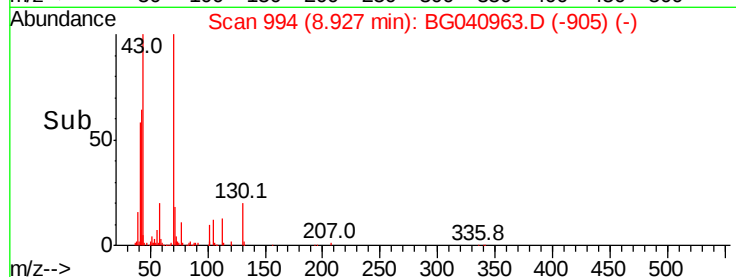


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 40.529 ng

RT: 8.89 min Scan# 987

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Tgt Ion: 107 Resp: 251508

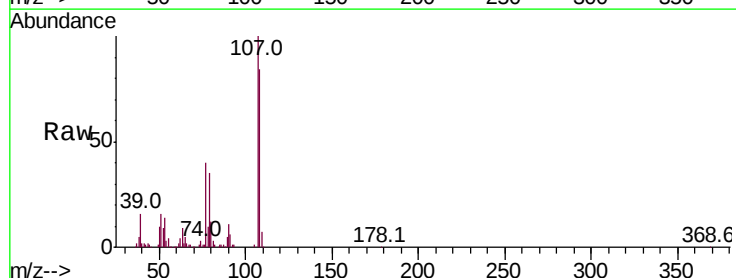
Ion Ratio Lower Upper

107 100

108 83.8 66.8 106.8

77 40.1 20.5 60.5

79 35.1 15.8 55.8

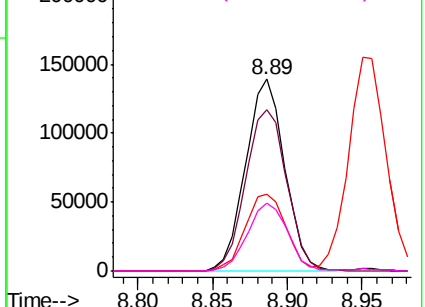
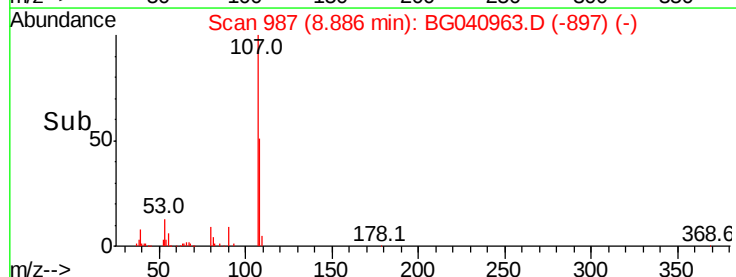


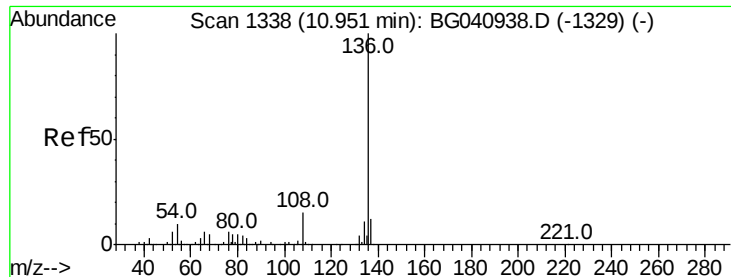
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

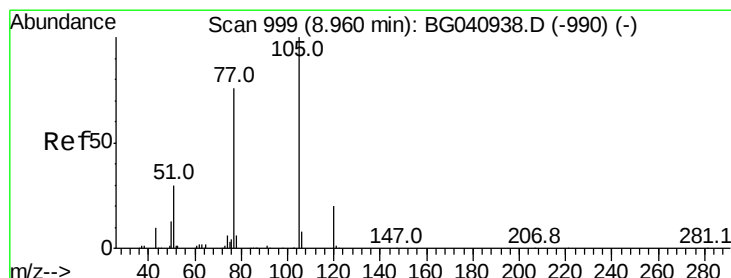
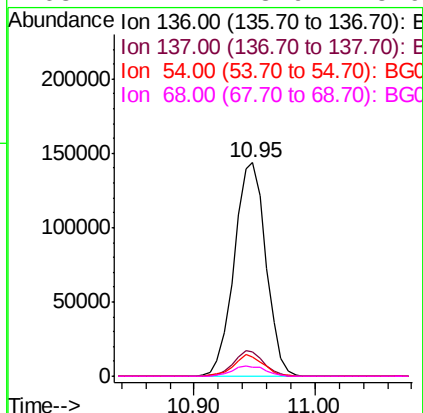
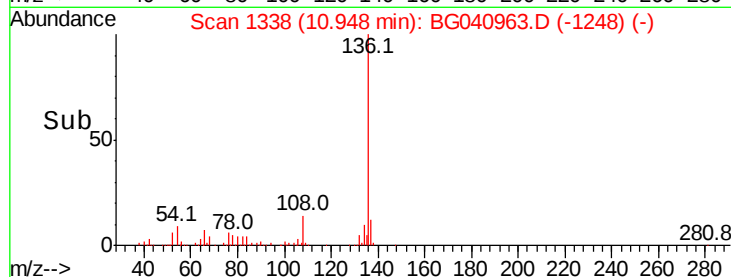
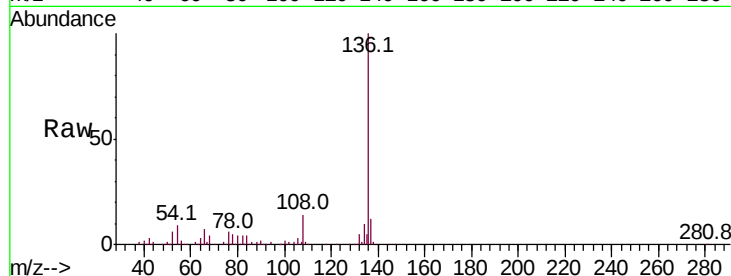




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

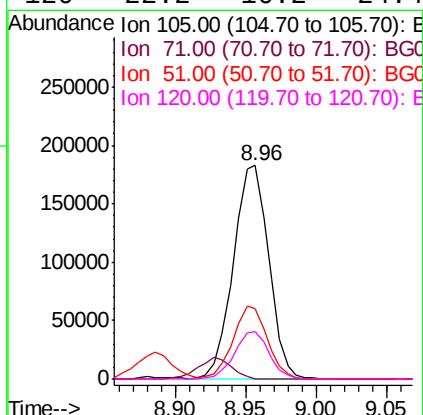
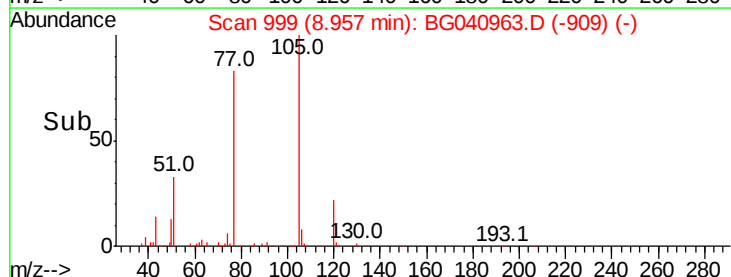
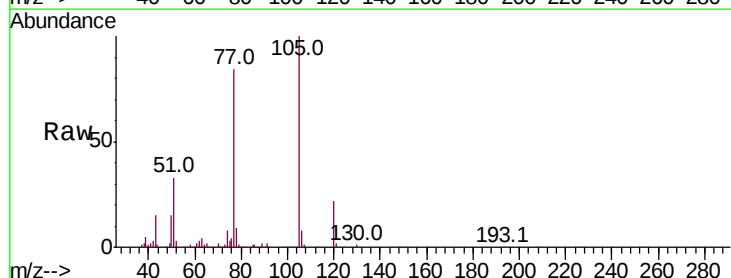
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	263136
Ion Ratio	Lower	Upper
136 100		
137 11.7	9.5	14.3
54 9.0	7.6	11.4
68 4.4	3.9	5.9



#22
Acetophenone
Concen: 43.500 ng
RT: 8.96 min Scan# 999
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt	Ion:105	Resp:	321092
Ion	Ratio	Lower	Upper
105	100		
71	0.2	0.4	0.6#
51	33.0	27.0	40.6
120	22.2	16.2	24.4





#23

Nitrobenzene-d5

Concen: 85.263 ng

RT: 9.30 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

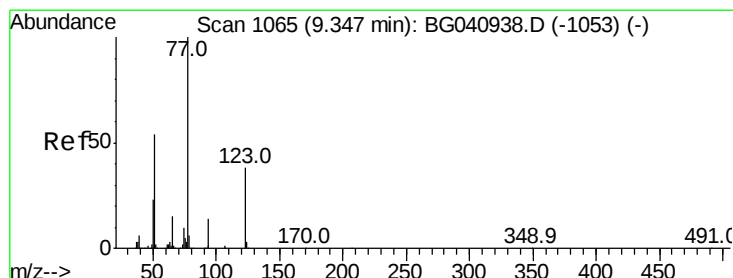
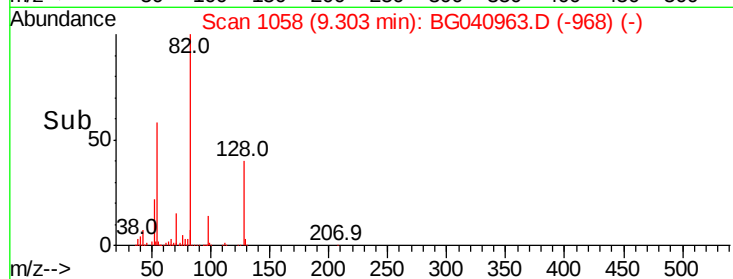
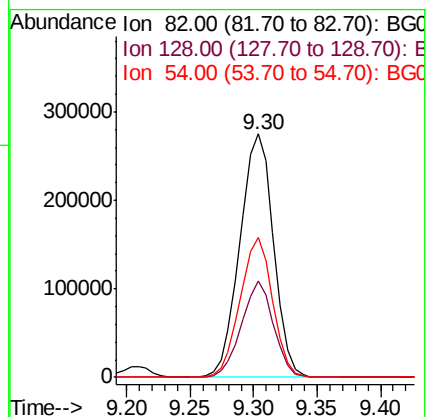
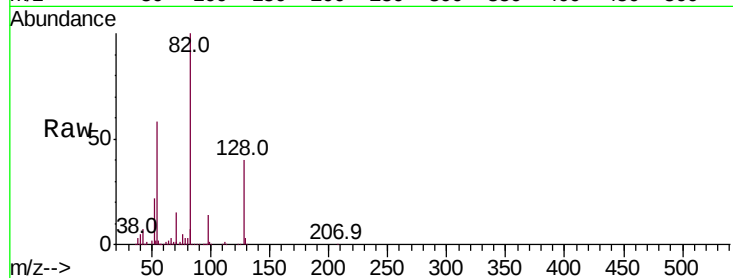
Tot Ion: 82 Resp: 505384

Ion Ratio Lower Upper

82 100

128 39.6 30.5 45.7

54 57.6 44.6 66.8



#24

Nitrobenzene

Concen: 44.208 ng

RT: 9.34 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

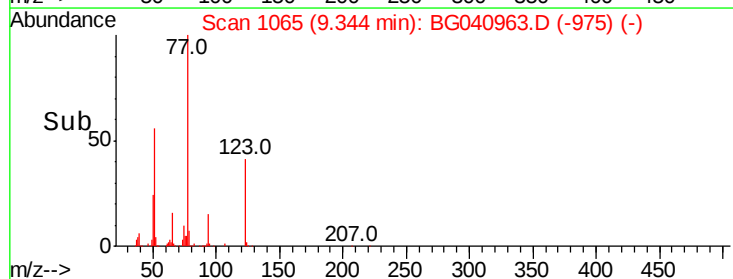
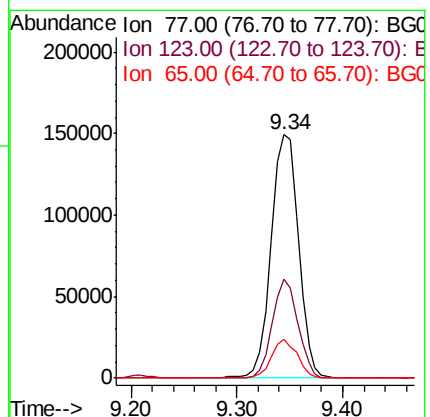
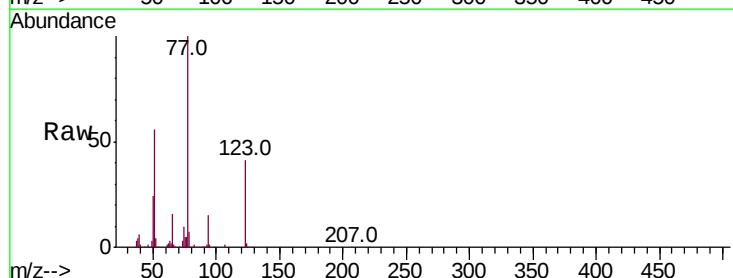
Tgt Ion: 77 Resp: 267036

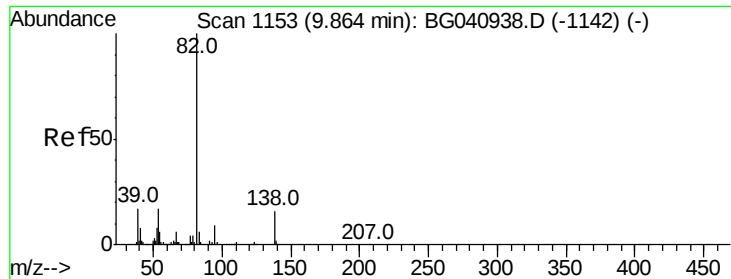
Ion Ratio Lower Upper

77 100

123 40.7 30.6 46.0

65 16.0 12.3 18.5





#25

Isophorone

Concen: 43.853 ng

RT: 9.86 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

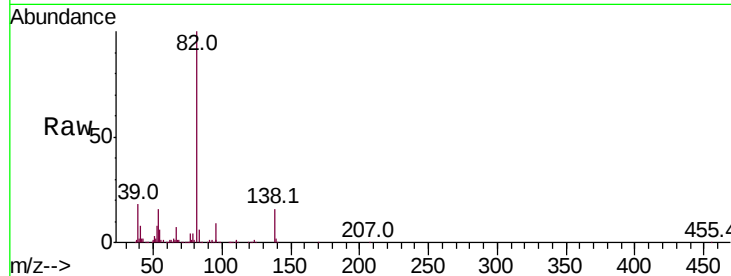
Tot Ion: 82 Resp: 494665

Ion Ratio Lower Upper

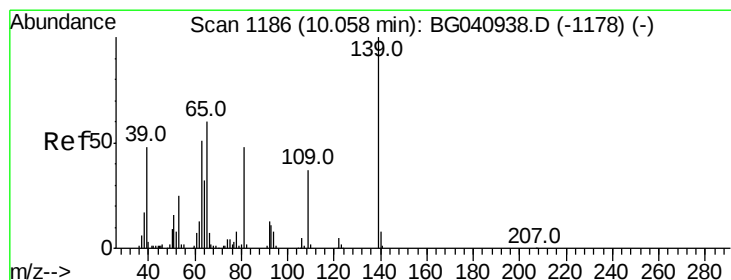
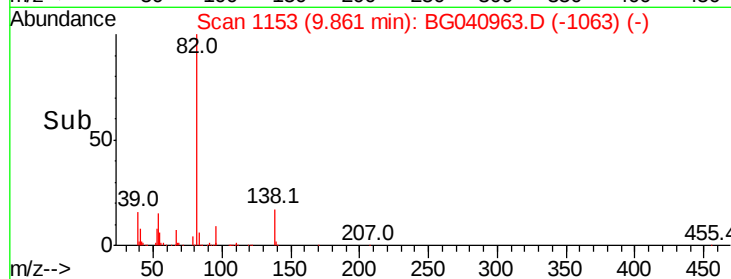
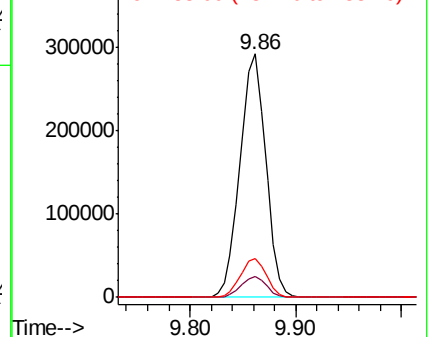
82 100

95 8.6 7.0 10.4

138 16.2 12.6 19.0



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



#26

2-Nitrophenol

Concen: 45.172 ng

RT: 10.06 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

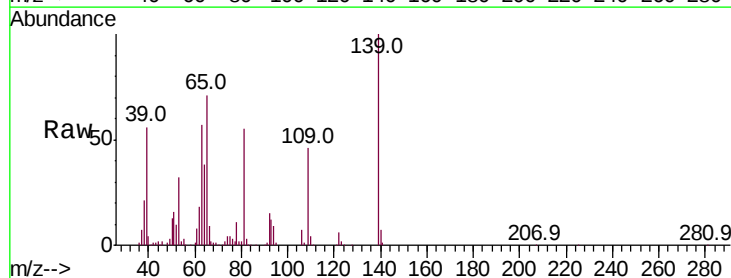
Tgt Ion: 139 Resp: 112488

Ion Ratio Lower Upper

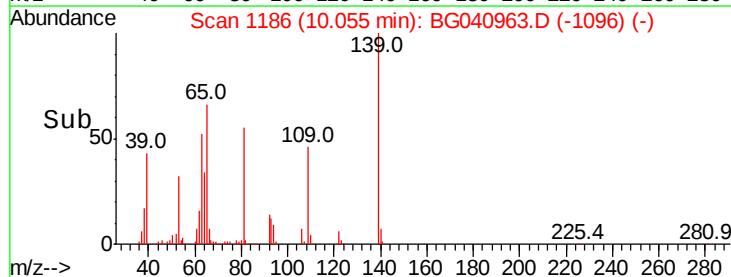
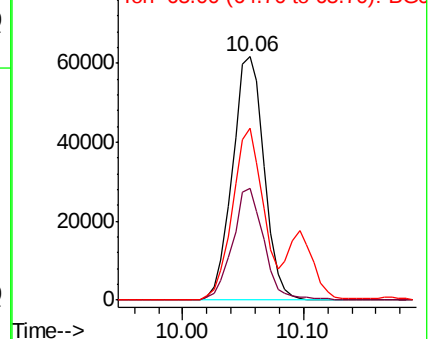
139 100

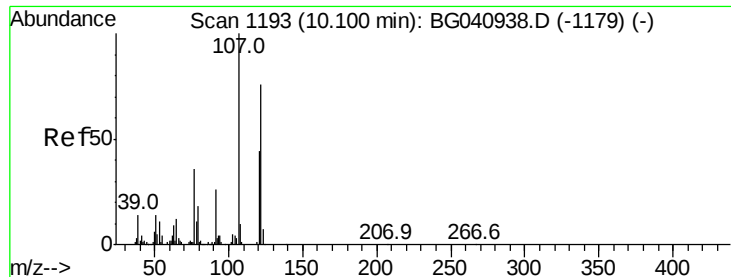
109 46.1 29.8 44.6#

65 70.6 47.8 71.6



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#27

2,4-Dimethylphenol

Concen: 48.948 ng

RT: 10.10 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

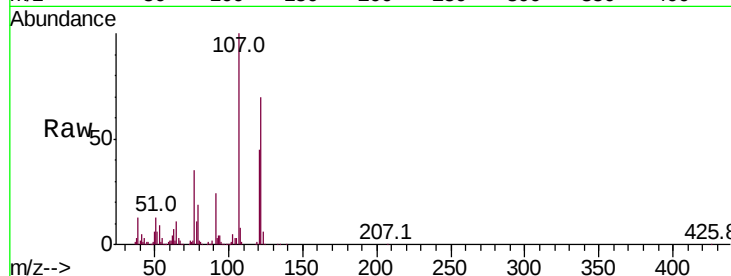
Tot Ion:122 Resp: 201310

Ion Ratio Lower Upper

122 100

107 142.9 105.9 158.9

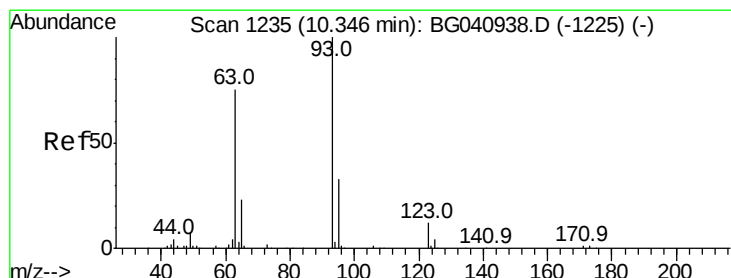
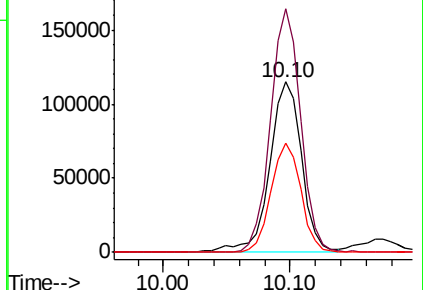
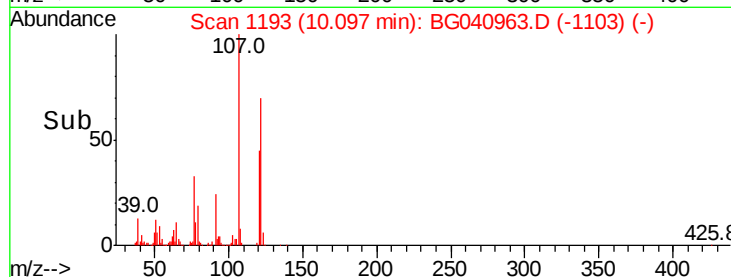
121 63.8 46.2 69.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.283 ng

RT: 10.34 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

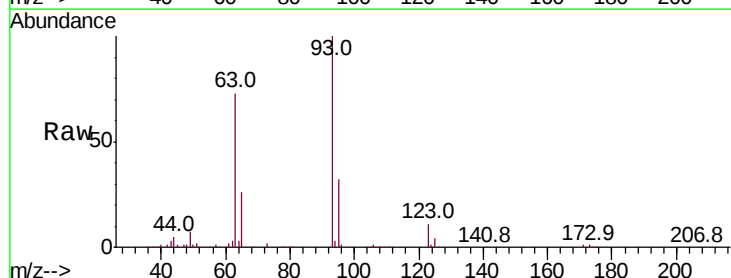
Tgt Ion: 93 Resp: 257427

Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

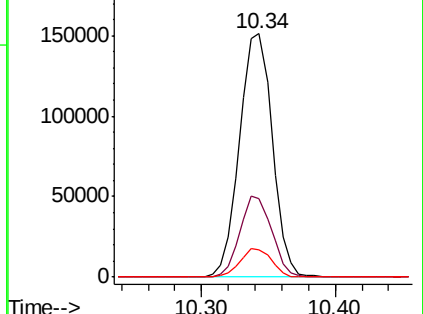
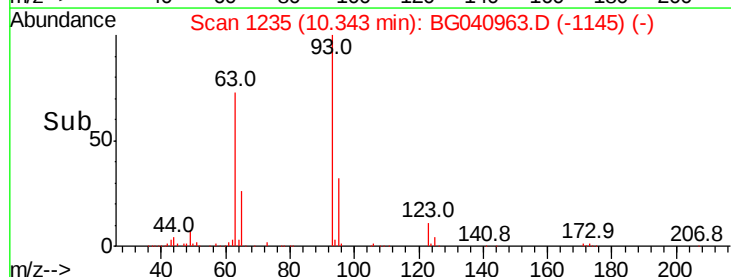
123 11.4 9.5 14.3

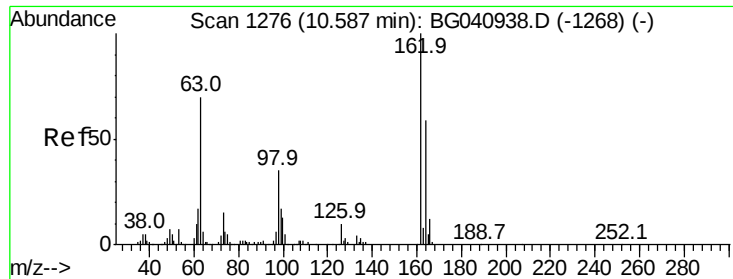


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

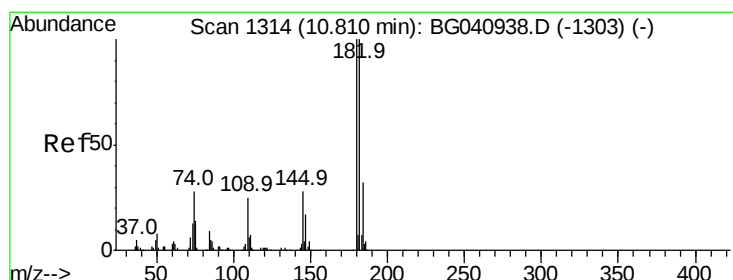
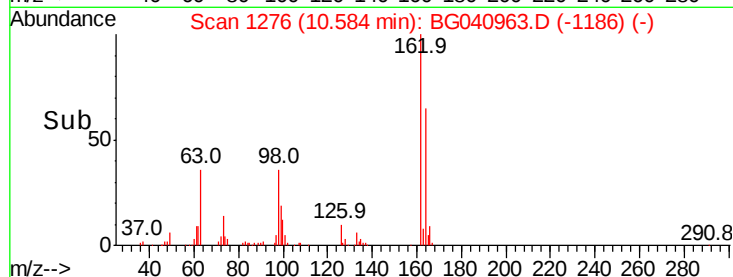
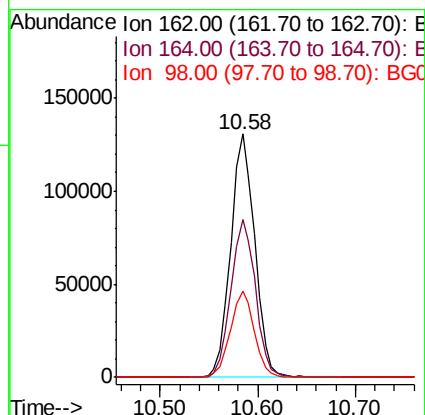
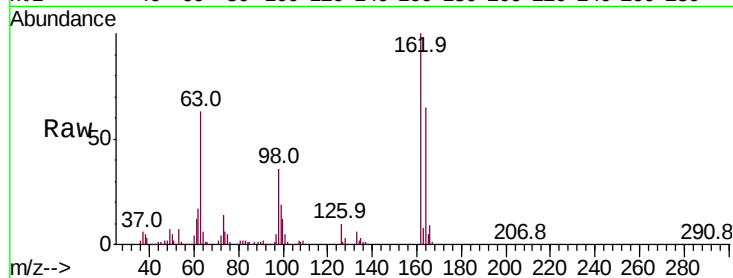




#29
2,4-Dichlorophenol
Concen: 42.947 ng
RT: 10.58 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

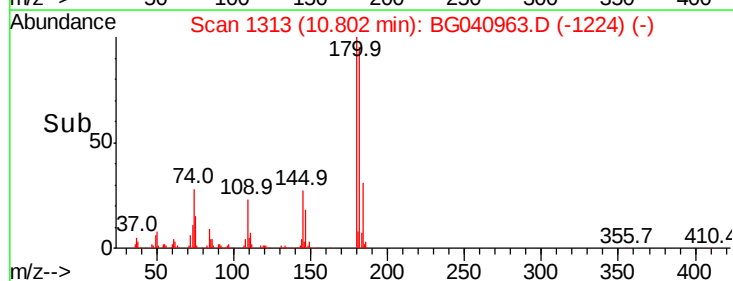
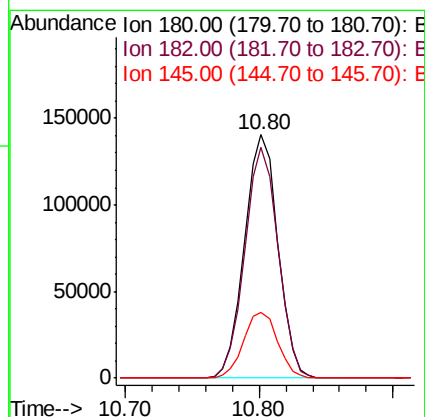
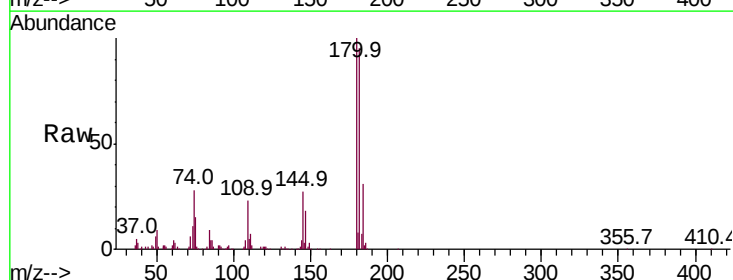
Instrument :
BNA_G
ClientSampleId :

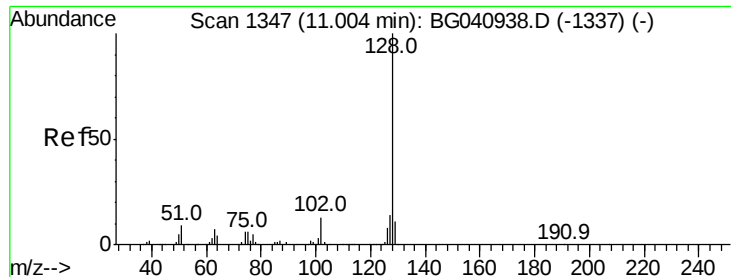
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.6	39.4	79.4
98	35.5	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 40.731 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	79.7	119.5
145	26.9	22.6	34.0

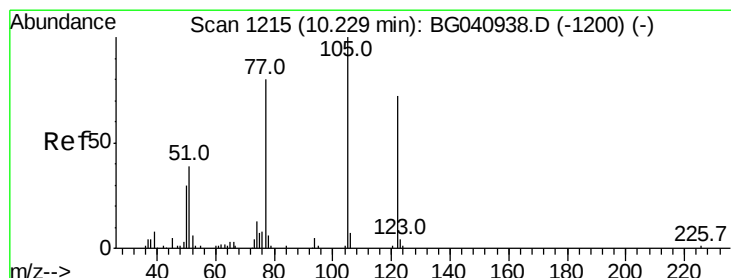
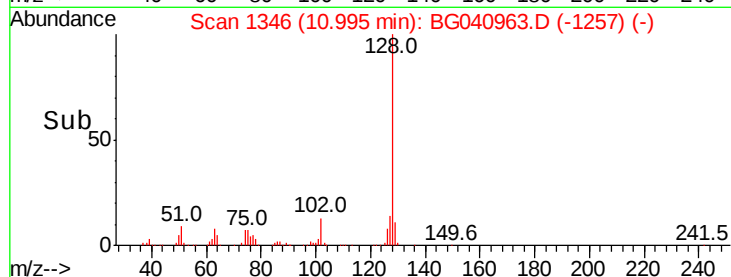
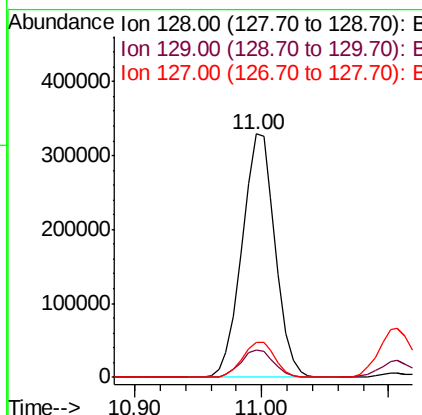
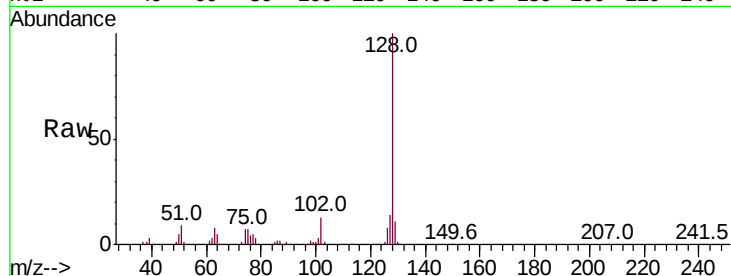




#31
Naphthalene
Concen: 42.118 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

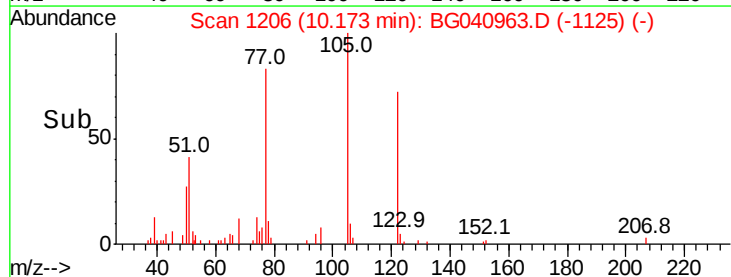
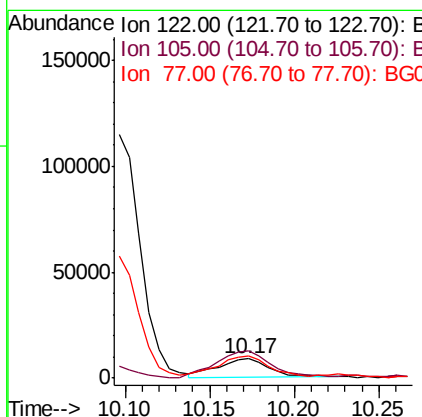
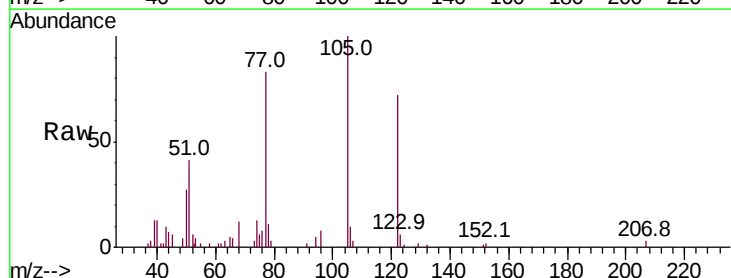
Instrument :
BNA_G
ClientSampleId :

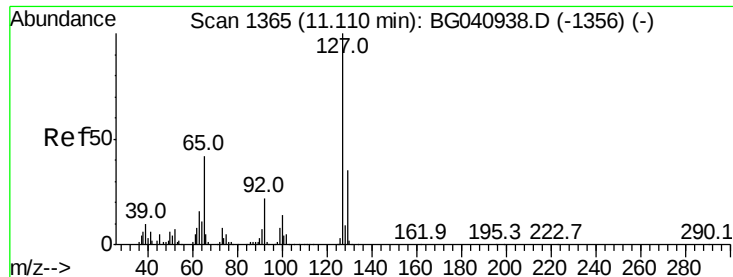
Tot Ion:128 Resp: 595051
Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 14.2 11.4 17.2



#32
Benzoic acid
Concen: 13.046 ng
RT: 10.17 min Scan# 1206
Delta R.T. -0.06 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:122 Resp: 18927
Ion Ratio Lower Upper
122 100
105 139.5 114.8 154.8
77 116.4 89.9 129.9

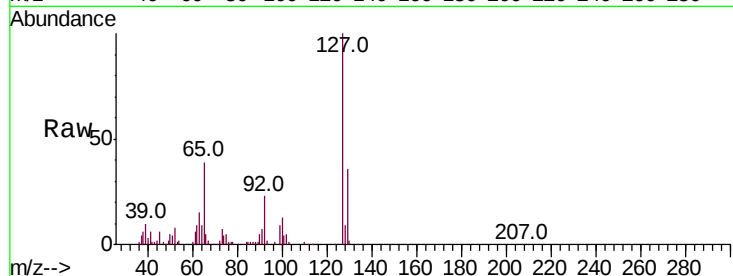




#33
4-Chloroaniline
Concen: 19.231 ng
RT: 11.11 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	126066
Ion	Ratio	Lower	Upper
127	100		
129	36.1	27.7	41.5
65	39.4	33.2	49.8
92	23.1	17.2	25.8



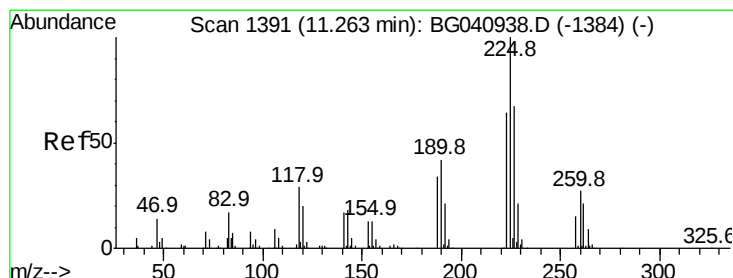
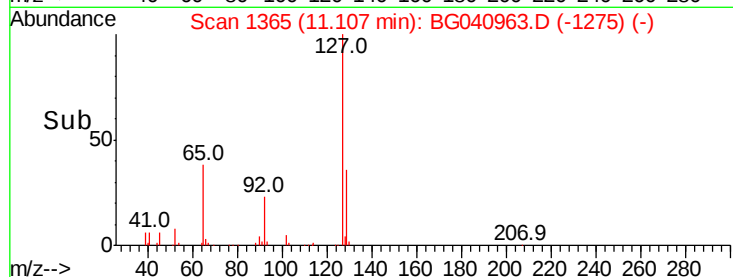
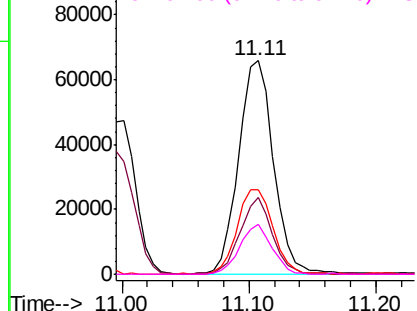
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

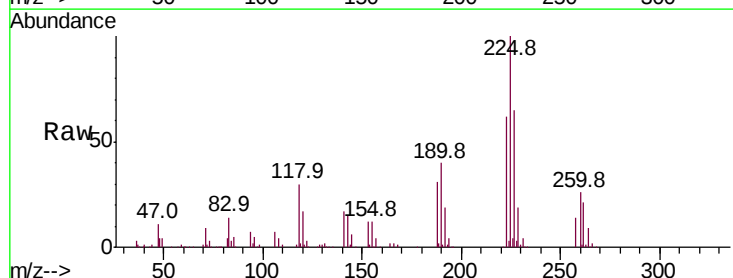
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 38.602 ng
RT: 11.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:	225	Resp:	175481
Ion	Ratio	Lower	Upper
225	100		
223	62.2	48.8	73.2
227	64.7	51.4	77.0

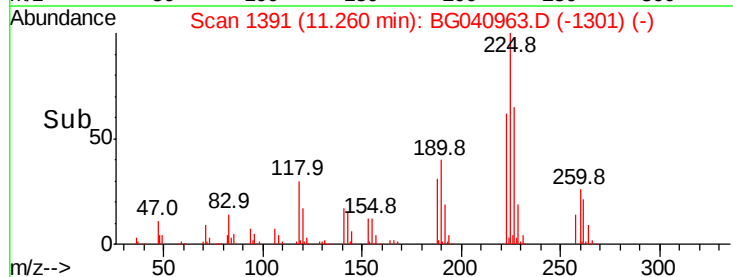
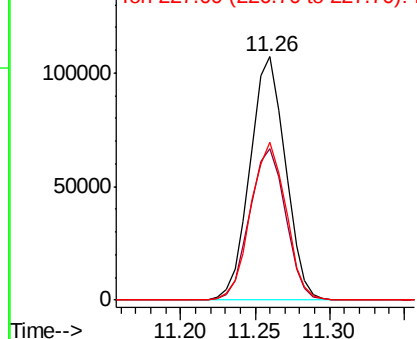


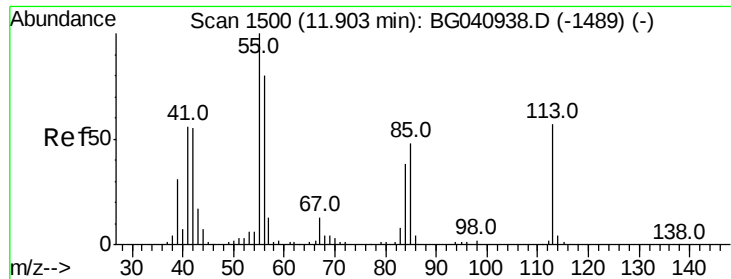
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

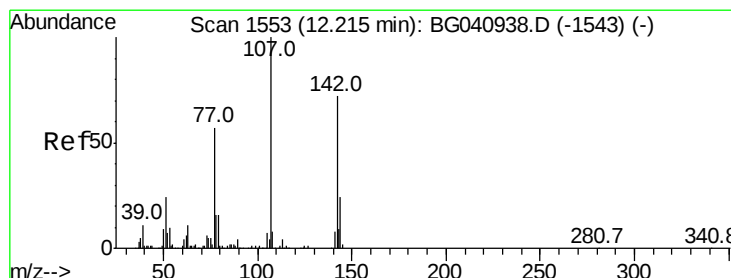
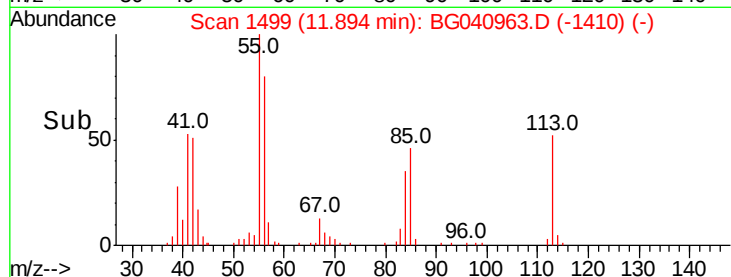
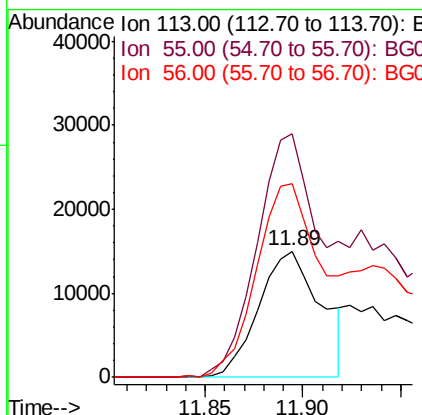
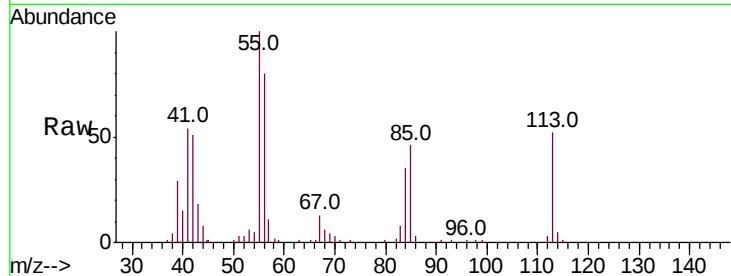




#35
 Caprolactam
 Concen: 19.290 ng
 RT: 11.89 min Scan# 1499
 Delta R.T. -0.01 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

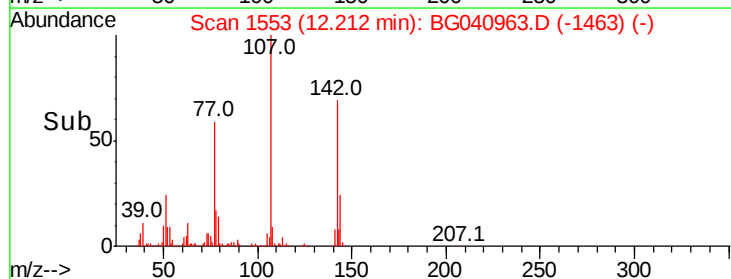
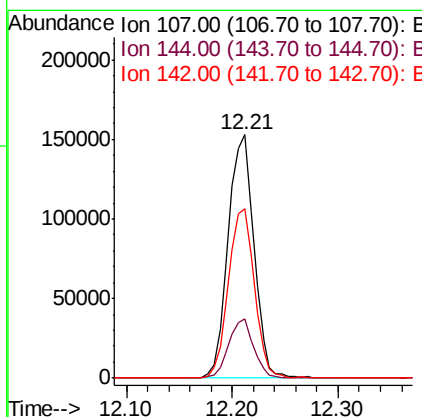
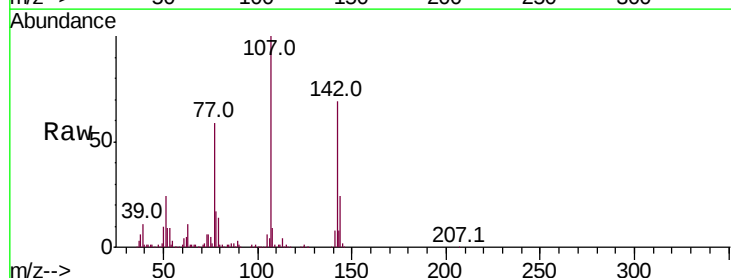
Instrument :
 BNA_G
 ClientSampled :

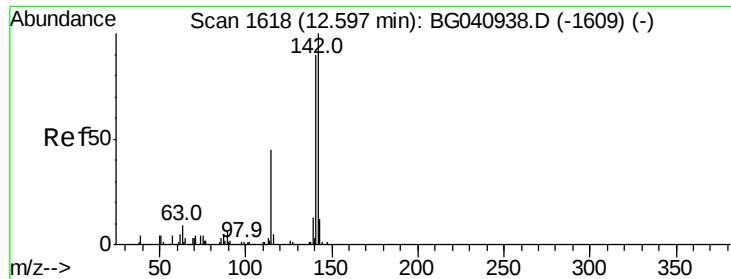
Tot Ion:113 Resp: 33269
 Ion Ratio Lower Upper
 113 100
 55 193.5 155.9 195.9
 56 154.2 119.9 159.9



#36
 4-Chloro-3-methylphenol
 Concen: 43.231 ng
 RT: 12.21 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion:107 Resp: 257856
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.4 29.0
 142 69.4 57.3 85.9

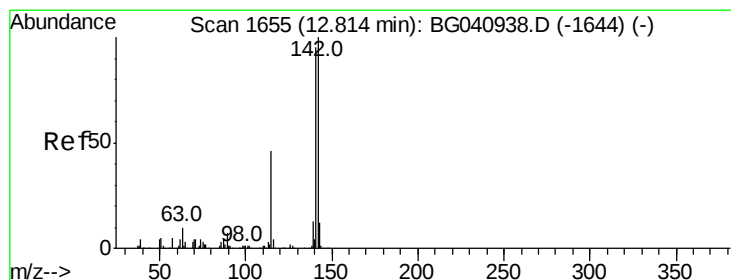
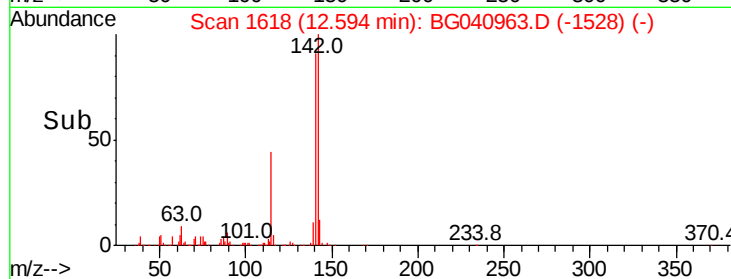
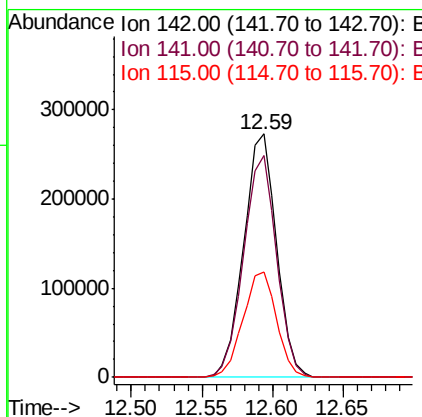
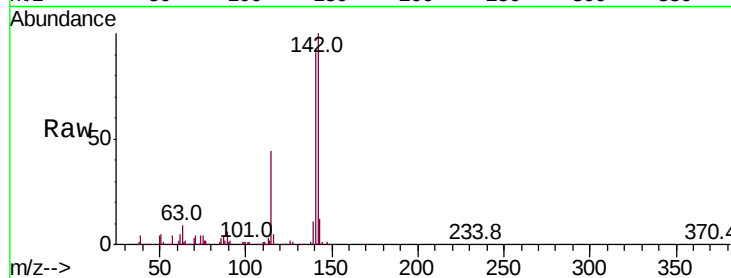




#37
2-Methylnaphthalene
Concen: 41.052 ng
RT: 12.59 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

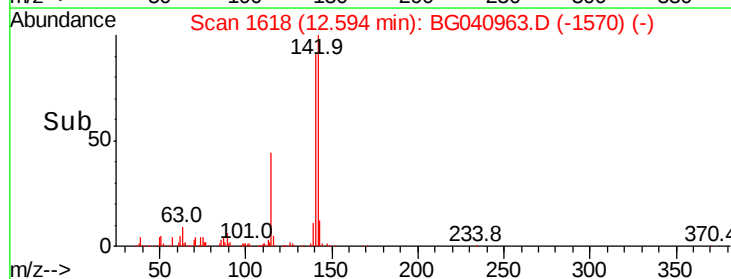
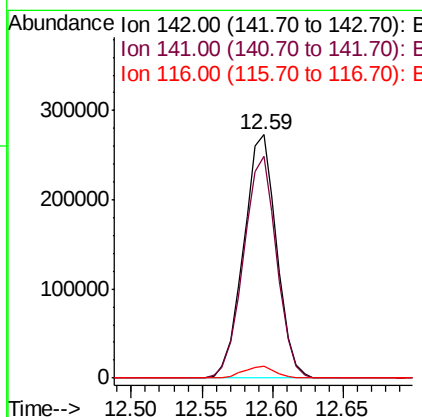
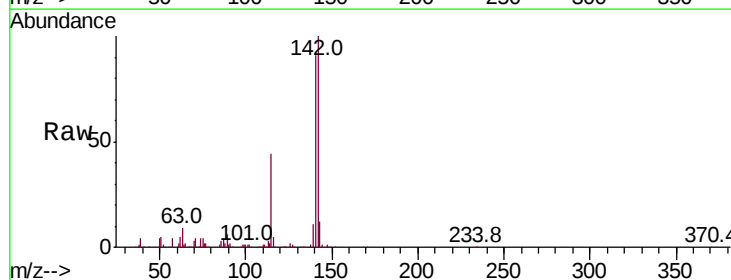
Instrument :
BNA_G
ClientSampleId :

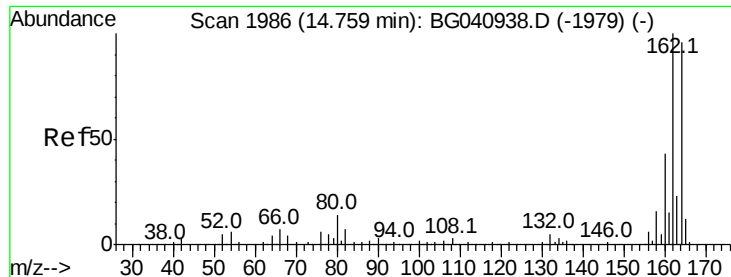
Tot Ion:142 Resp: 446688
Ion Ratio Lower Upper
142 100
141 91.1 72.2 108.4
115 43.5 36.2 54.4



#38
1-Methylnaphthalene
Concen: 43.564 ng
RT: 12.59 min Scan# 1618
Delta R.T. -0.22 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:142 Resp: 446688
Ion Ratio Lower Upper
142 100
141 91.1 75.7 113.5
116 4.8 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

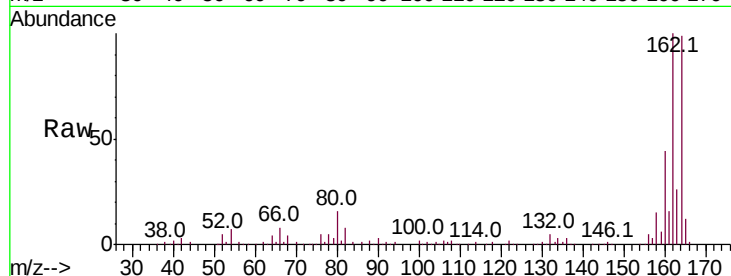
Tot Ion:164 Resp: 190331

Ion Ratio Lower Upper

164 100

162 101.1 83.0 124.4

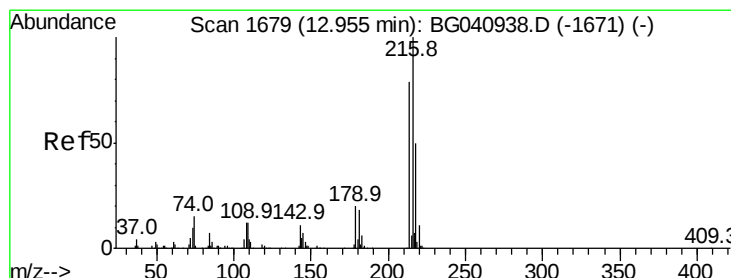
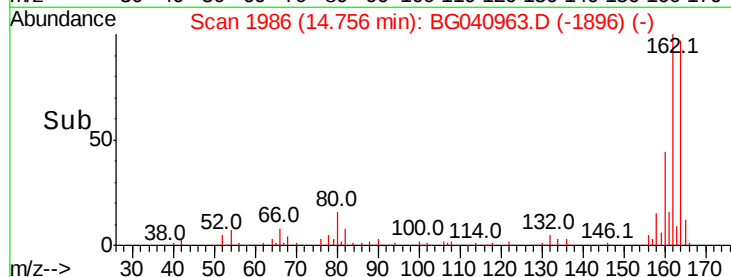
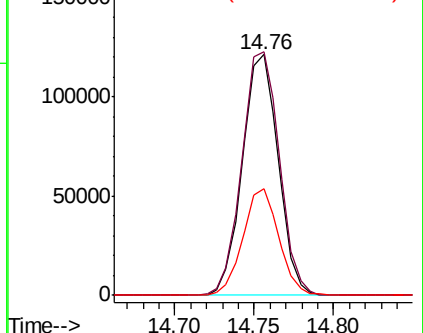
160 44.5 35.6 53.4



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.290 ng

RT: 12.95 min Scan# 1679

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Tgt Ion:216 Resp: 324420

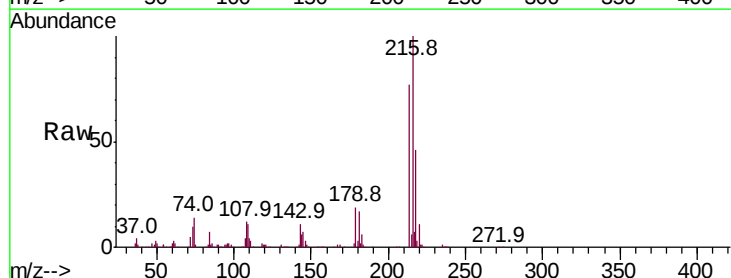
Ion Ratio Lower Upper

216 100

214 78.7 63.4 95.2

179 19.1 15.2 22.8

108 17.1 11.4 17.2

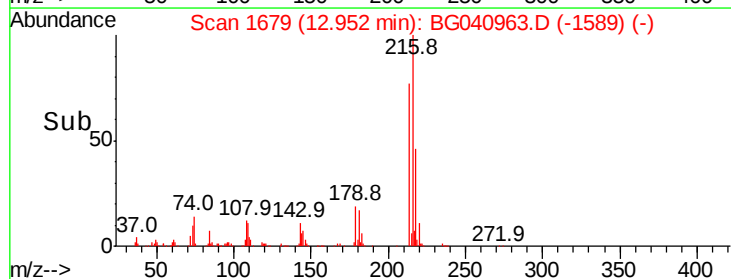
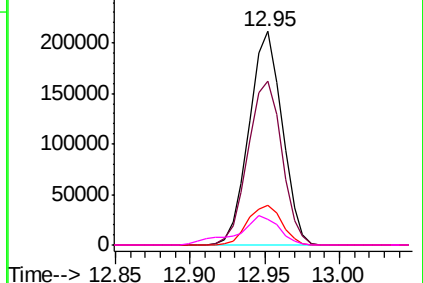


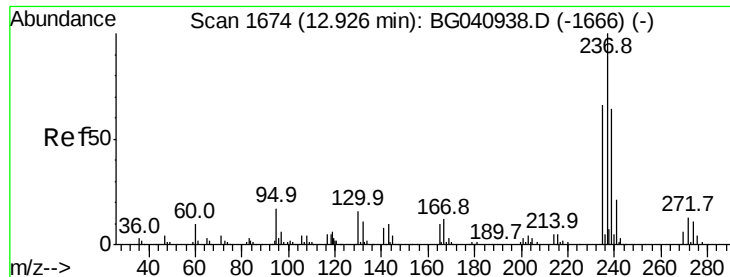
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 99.620 ng

RT: 12.92 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

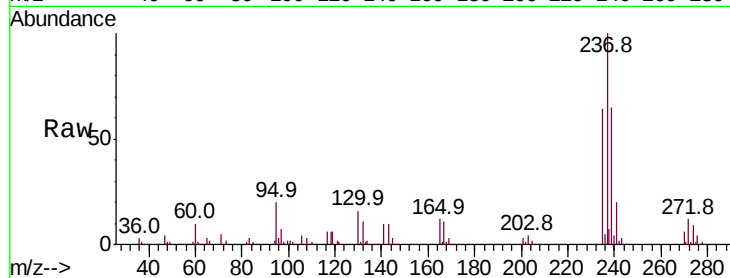
Tot Ion:237 Resp: 420088

Ion Ratio Lower Upper

237 100

235 63.5 45.5 85.5

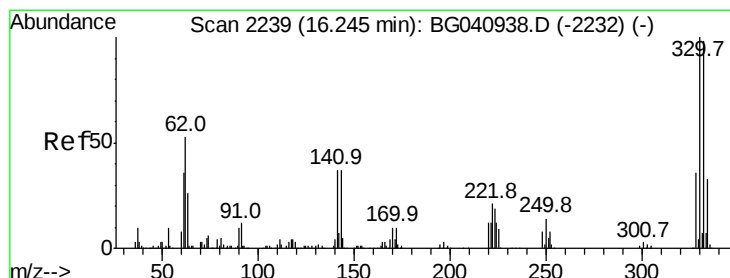
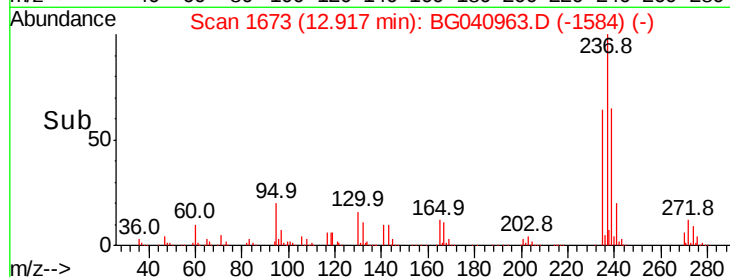
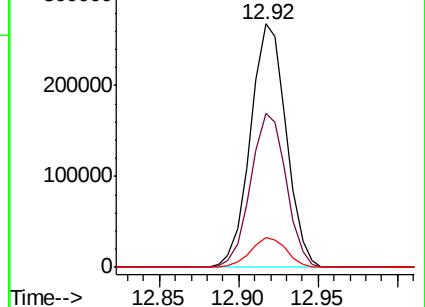
272 12.3 0.0 32.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 135.617 ng

RT: 16.24 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

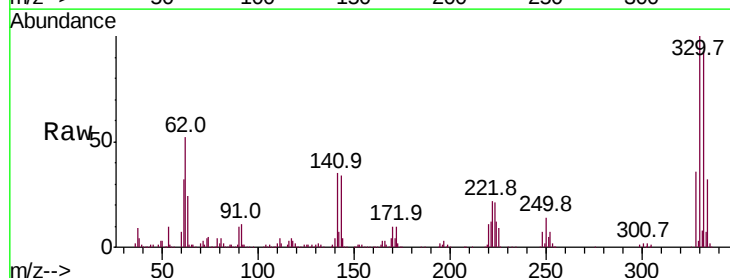
Tgt Ion:330 Resp: 383200

Ion Ratio Lower Upper

330 100

332 95.4 78.5 117.7

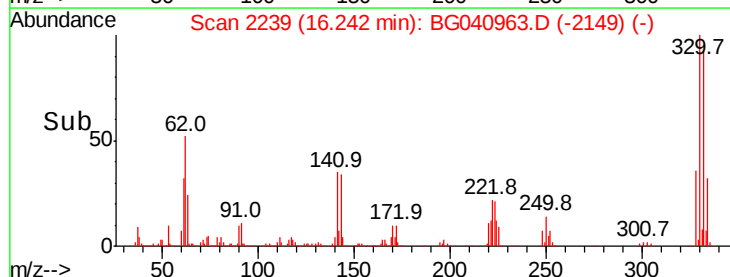
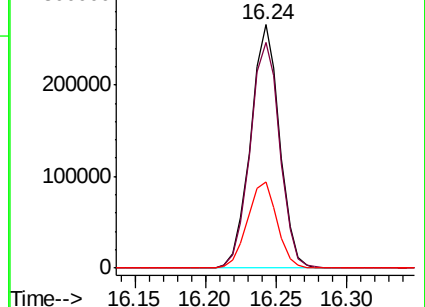
141 36.3 28.7 43.1

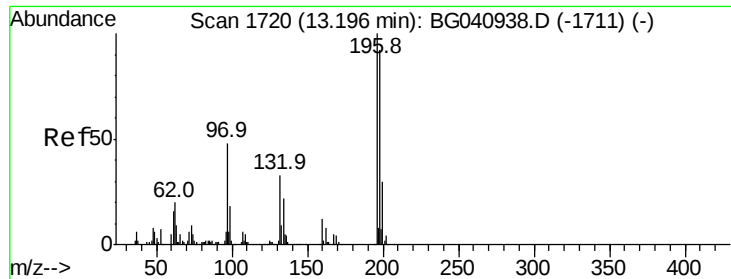


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

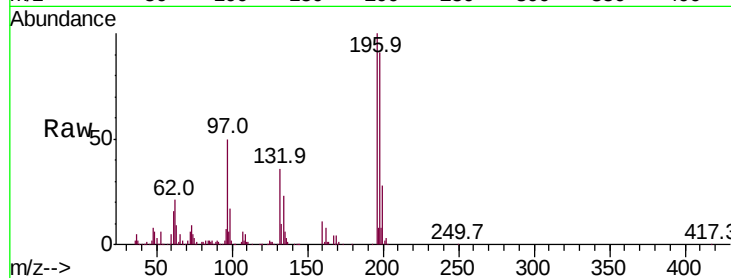




#43
 2,4,6-Trichlorophenol
 Concen: 44.033 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	196	Resp	218522
Ion	Ratio	Lower	Upper
196	100		
198	90.7	73.8	110.6
200	28.4	24.1	36.1

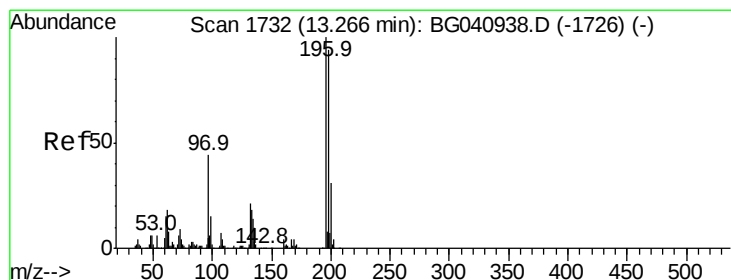
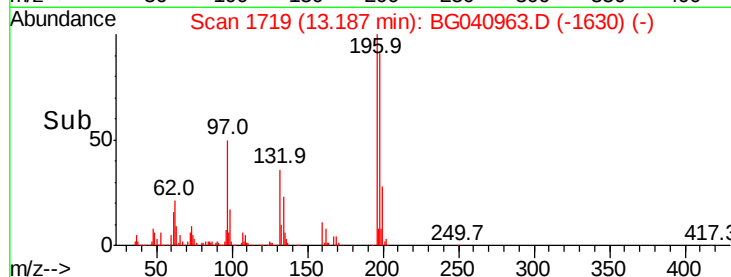
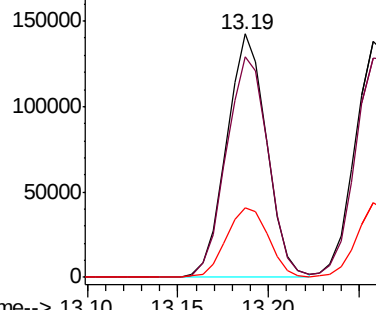


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 44.157 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion	196	Resp	231112
Ion	Ratio	Lower	Upper
196	100		
198	92.9	75.1	112.7
97	45.1	35.6	53.4
132	23.5	16.7	25.1

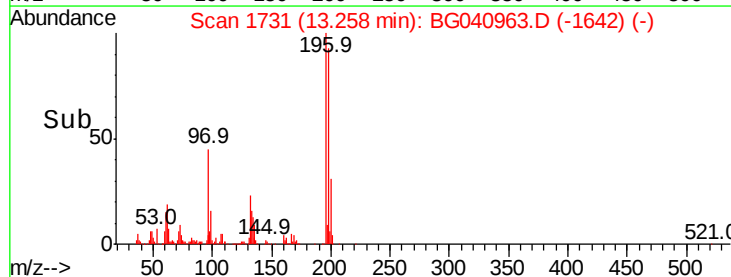
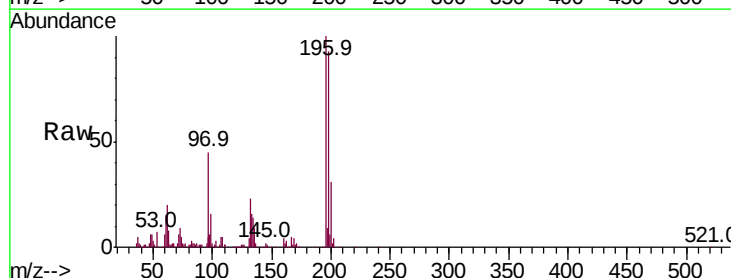
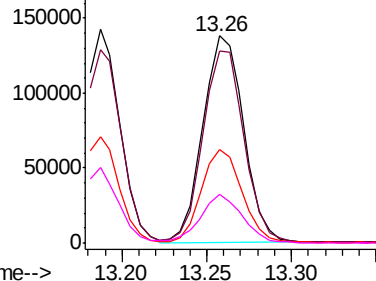
Abundance

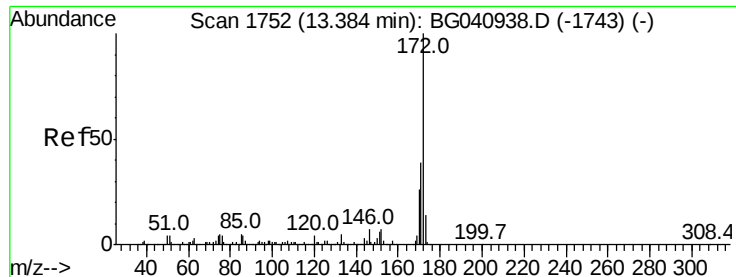
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

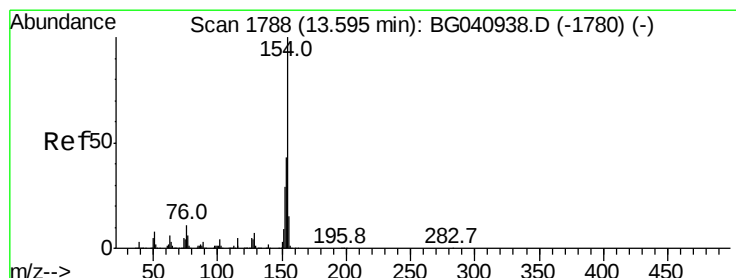
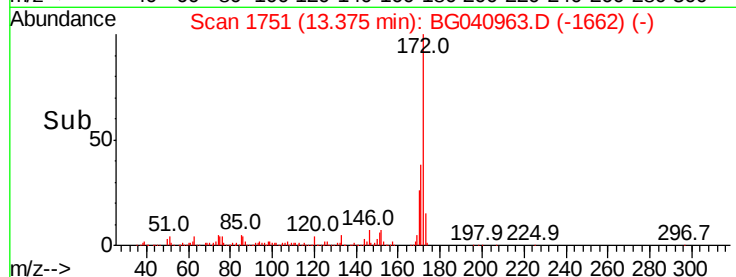
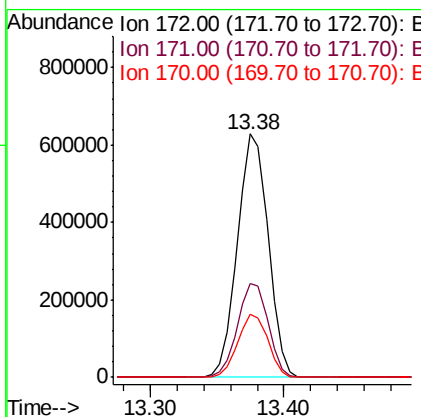
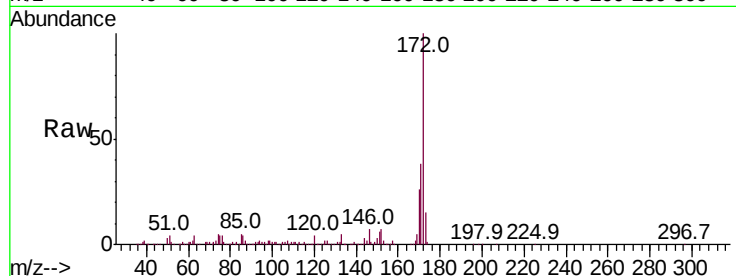




#45
 2-Fluorobiphenyl
 Concen: 75.835 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

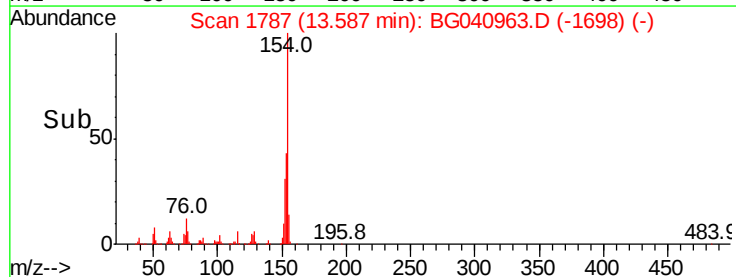
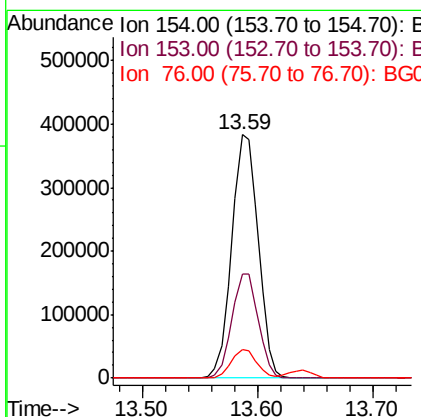
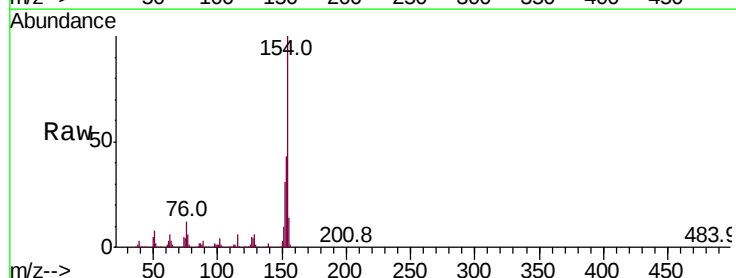
Instrument :
 BNA_G
 ClientSampleId :

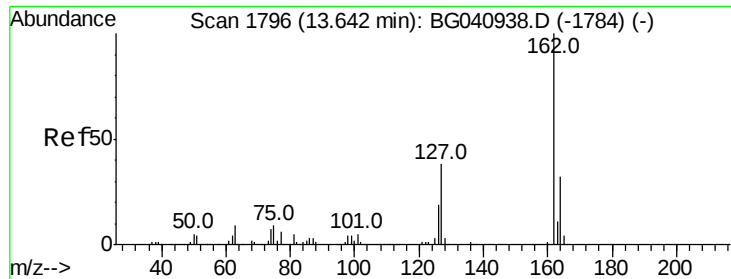
Tot Ion:172 Resp: 1002272
 Ion Ratio Lower Upper
 172 100
 171 38.4 31.1 46.7
 170 26.1 20.5 30.7



#46
 1,1'-Biphenyl
 Concen: 43.218 ng
 RT: 13.59 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion:154 Resp: 608884
 Ion Ratio Lower Upper
 154 100
 153 42.7 23.3 63.3
 76 12.0 0.0 31.1

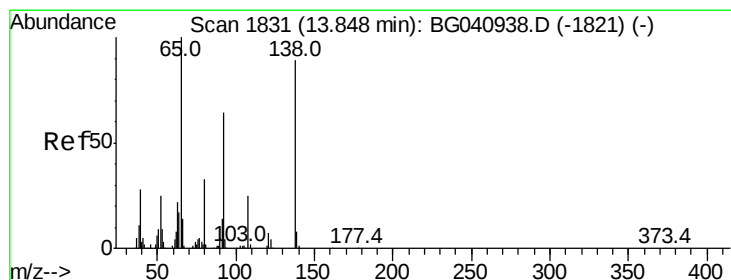
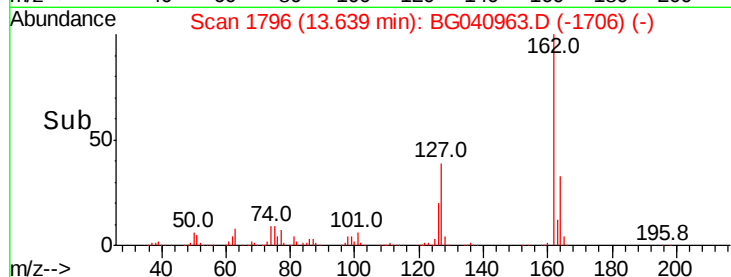
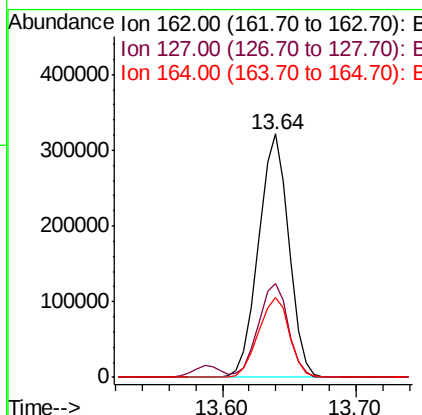
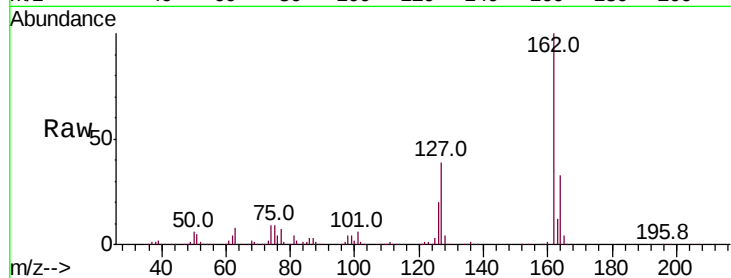




#47
 2-Chloronaphthalene
 Concen: 41.483 ng
 RT: 13.64 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

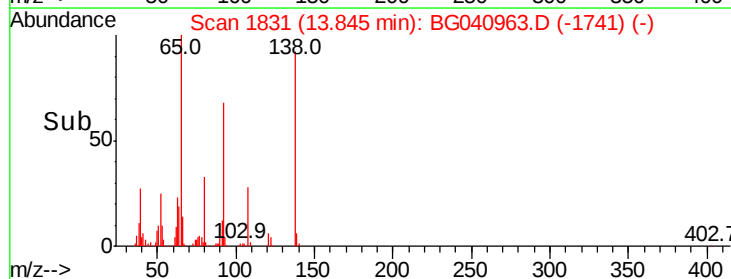
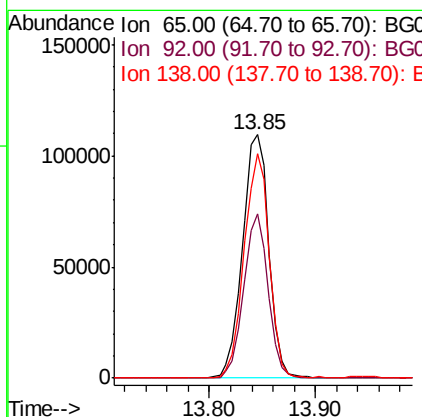
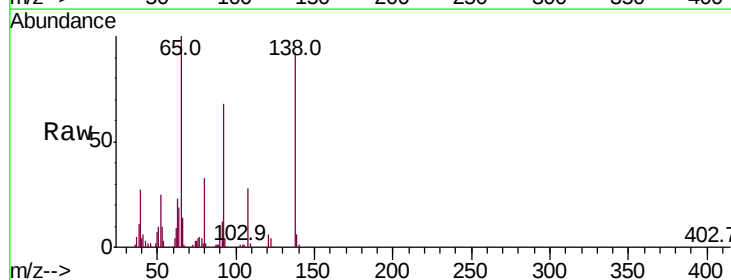
Instrument :
 BNA_G
 ClientSampleId :

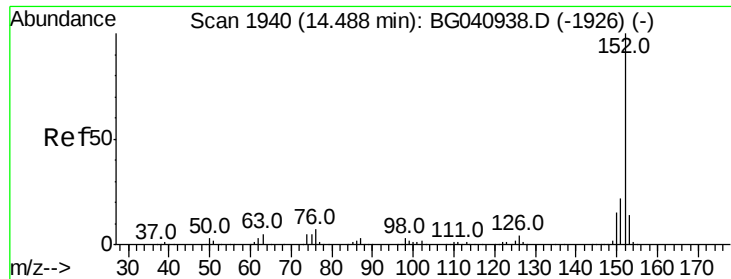
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.7	30.5	45.7
164	32.6	25.8	38.6



#48
 2-Nitroaniline
 Concen: 43.577 ng
 RT: 13.85 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.6	51.0	76.6
138	91.9	71.2	106.8





#49

Acenaphthylene

Concen: 42.937 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

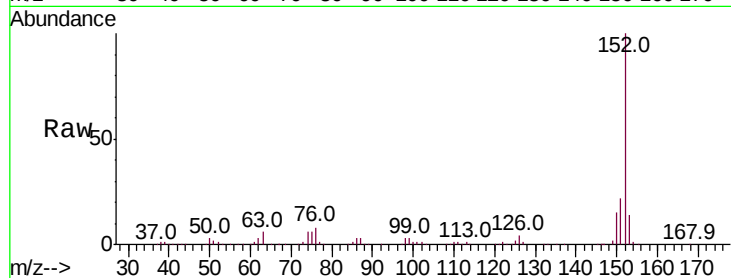
Instrument :

BNA_G

ClientSampleId :

Tot Ion:152 Resp: 781606

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.0
153	13.7	11.0	16.4

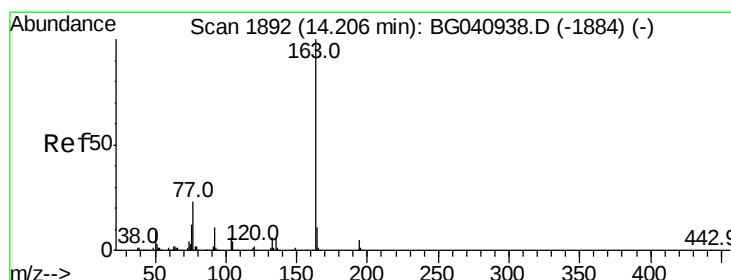
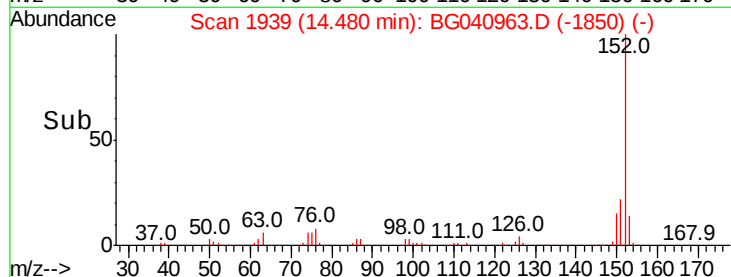
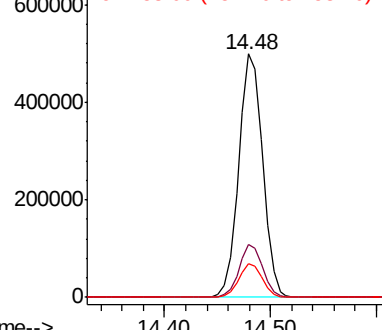


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 53.100 ng

RT: 14.20 min Scan# 1892

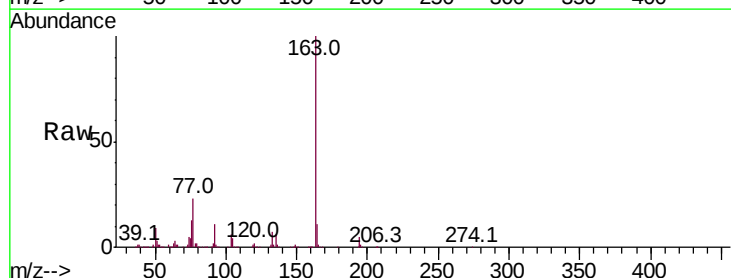
Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Tgt Ion:163 Resp: 855526

Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.8	5.8
164	11.2	8.7	13.1

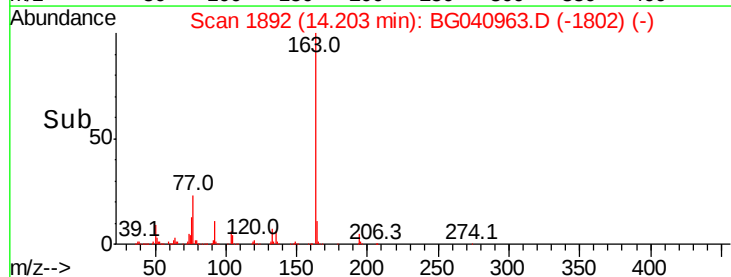
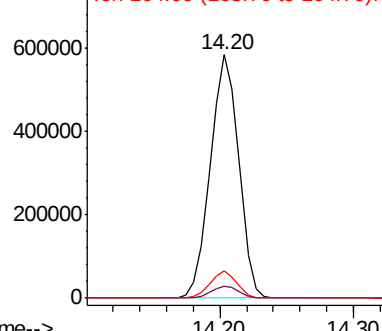


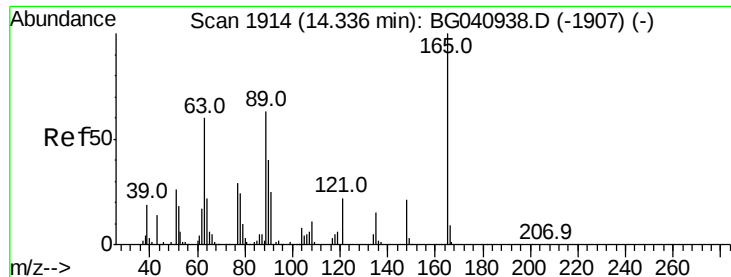
Abundance

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

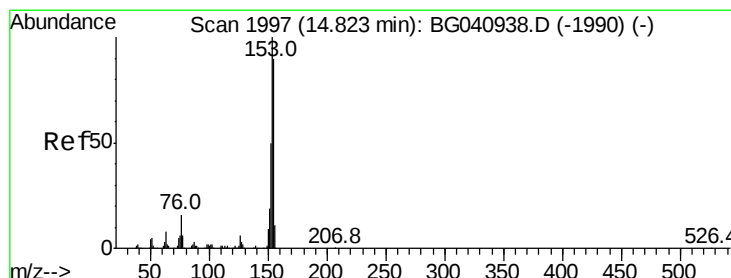
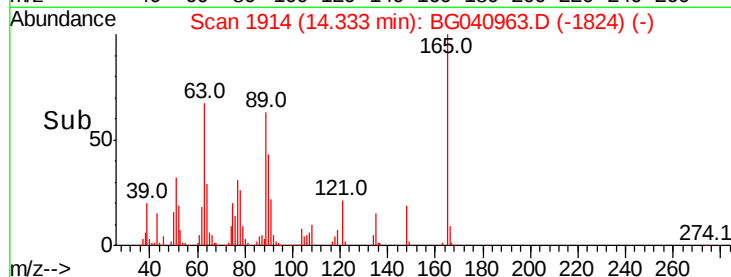
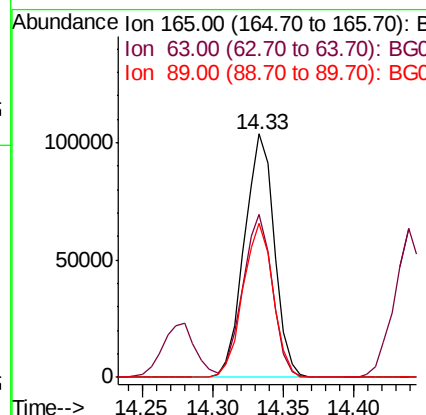
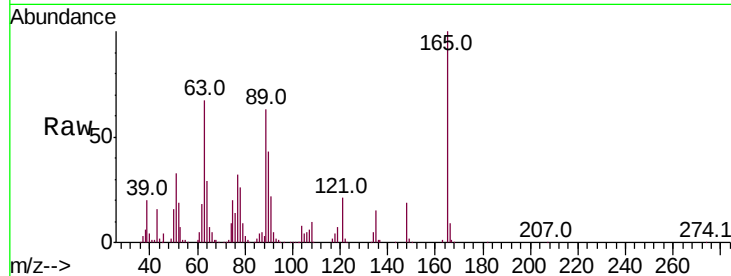




#51
 2,6-Dinitrotoluene
 Concen: 44.315 ng
 RT: 14.33 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

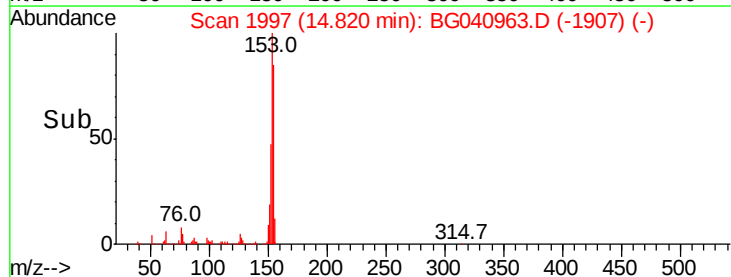
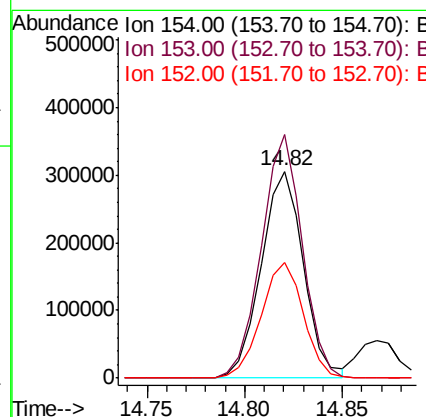
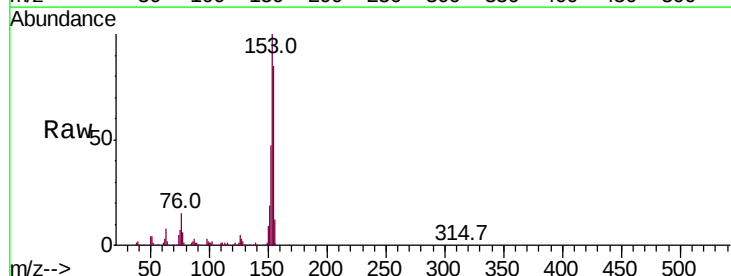
Instrument :
 BNA_G
 ClientSampleId :

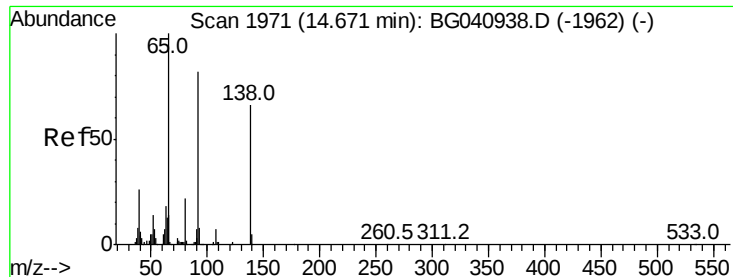
Tot Ion:165 Resp: 153942
 Ion Ratio Lower Upper
 165 100
 63 67.1 53.6 80.4
 89 63.5 50.4 75.6



#52
 Acenaphthene
 Concen: 41.614 ng
 RT: 14.82 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion:154 Resp: 458905
 Ion Ratio Lower Upper
 154 100
 153 117.9 88.6 133.0
 152 55.9 44.2 66.4

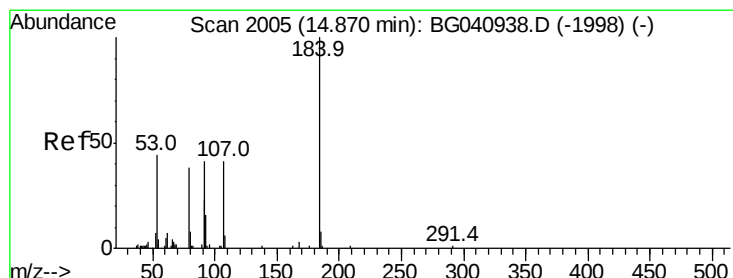
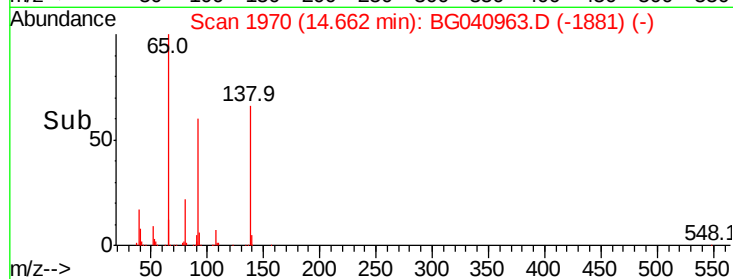
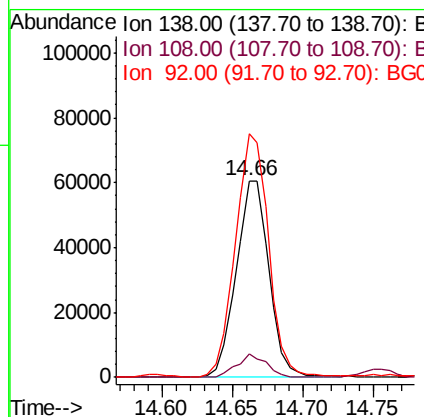
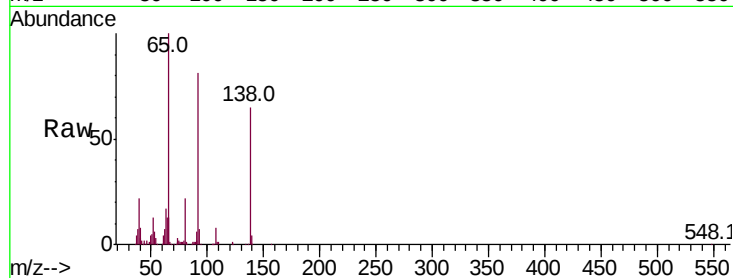




#53
3-Nitroaniline
Concen: 28.320 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

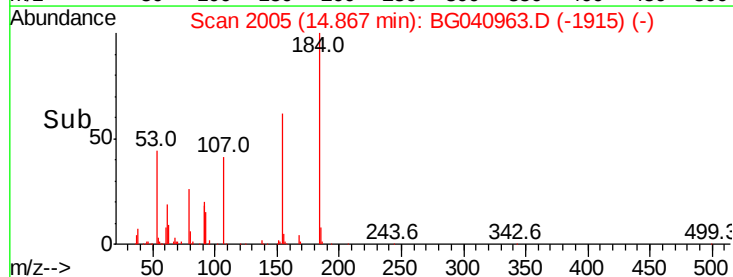
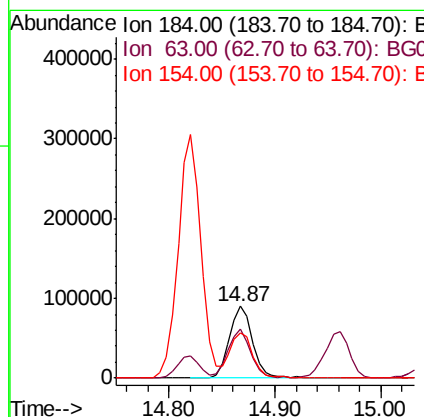
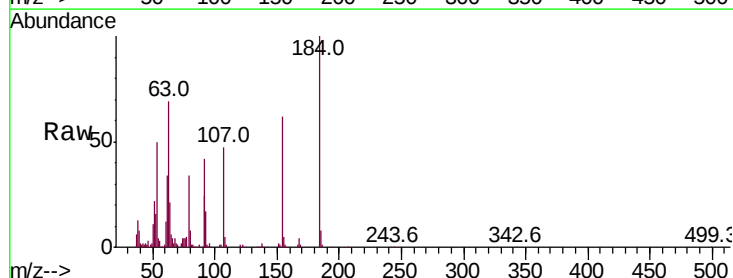
Instrument :
BNA_G
ClientSampleId :

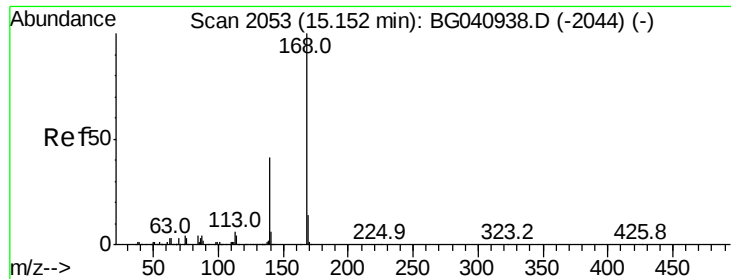
Tot Ion:138 Resp: 98375
Ion Ratio Lower Upper
138 100
108 11.7 8.5 12.7
92 123.7 99.0 148.6



#54
2,4-Dinitrophenol
Concen: 77.156 ng
RT: 14.87 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:184 Resp: 137445
Ion Ratio Lower Upper
184 100
63 69.2 49.8 74.6
154 62.3 52.2 78.4





#55

Dibenzo-furan

Concen: 42.134 ng

RT: 15.15 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

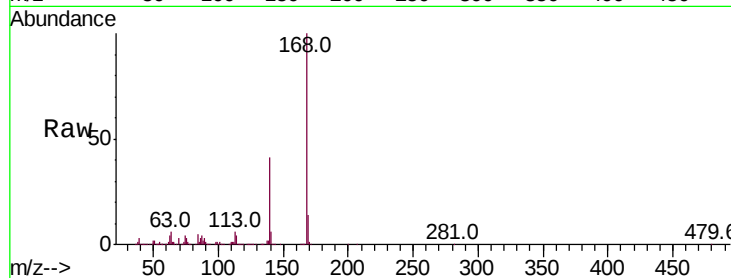
Instrument :

BNA_G

ClientSampleId :

Tot Ion:168 Resp: 781817

Ion	Ratio	Lower	Upper
168	100		
139	41.0	32.8	49.2
169	13.6	11.3	16.9

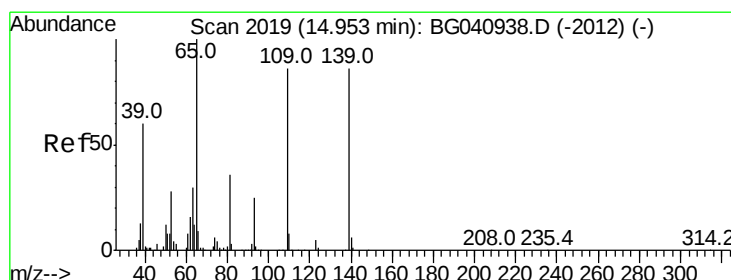
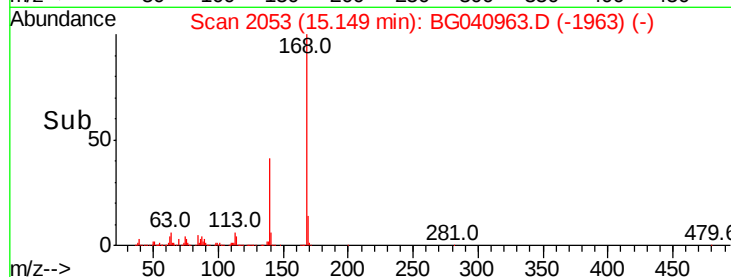
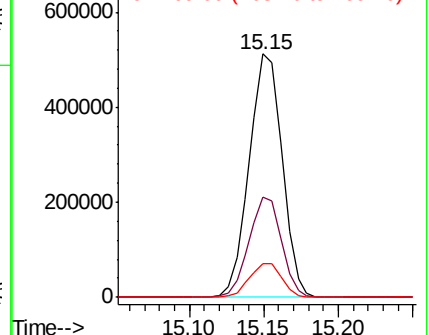


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 100.355 ng

RT: 14.96 min Scan# 2021

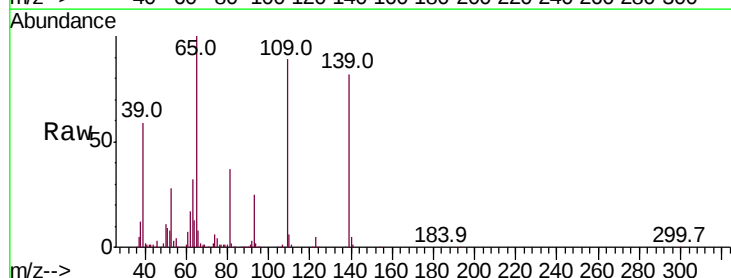
Delta R.T. 0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Tgt Ion:139 Resp: 239109

Ion	Ratio	Lower	Upper
139	100		
109	108.1	79.6	119.6
65	121.5	96.9	136.9

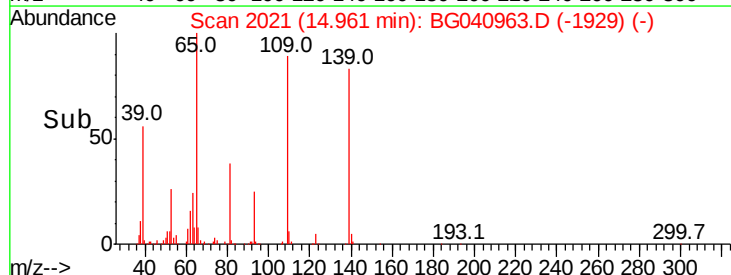
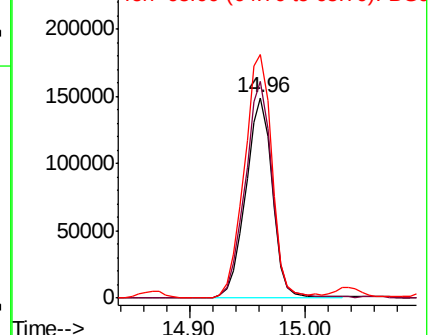


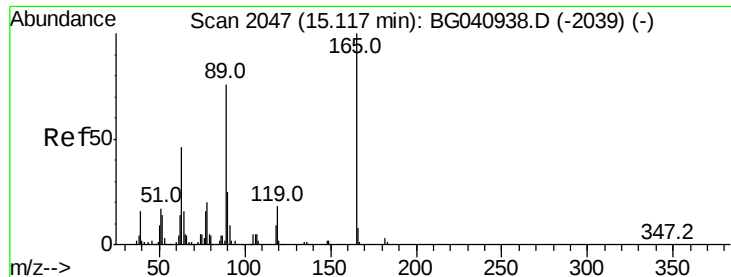
Abundance

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): E

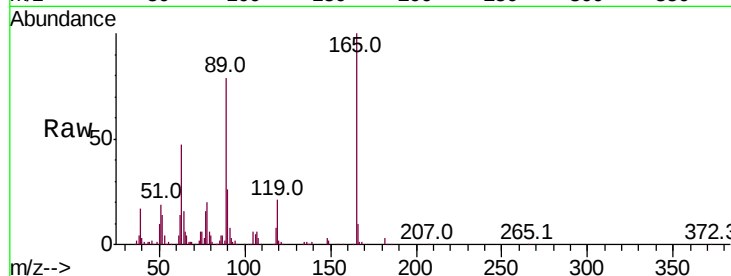




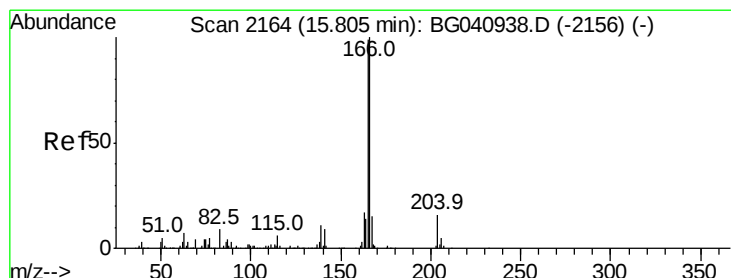
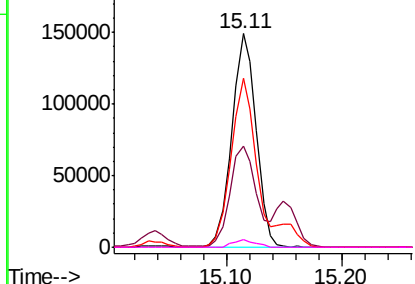
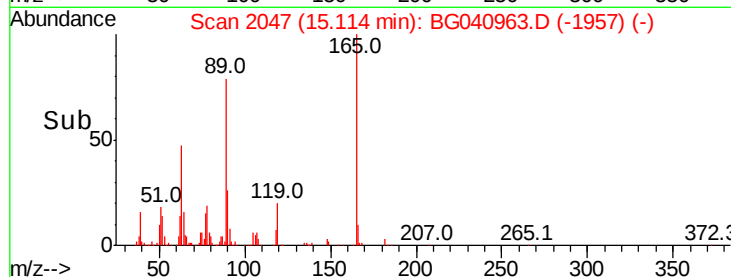
#57
2,4-Dinitrotoluene
Concen: 43.994 ng
RT: 15.11 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.3	37.3	55.9
89	79.4	61.0	91.6
182	3.3	2.2	3.2#

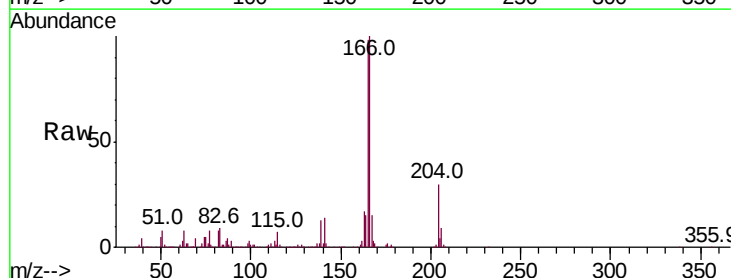


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

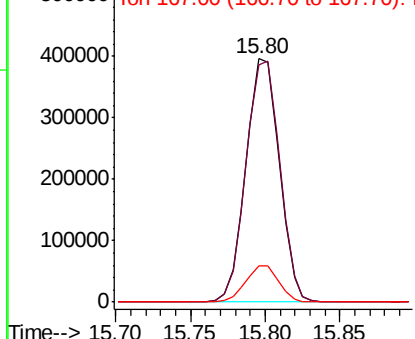
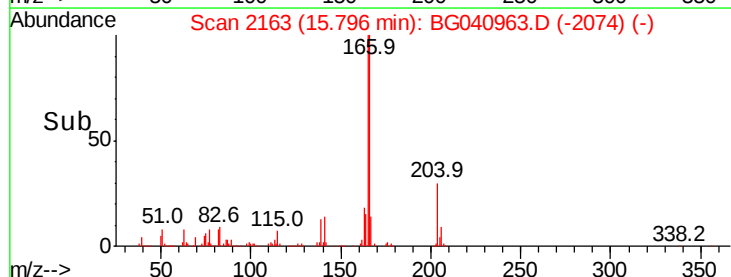


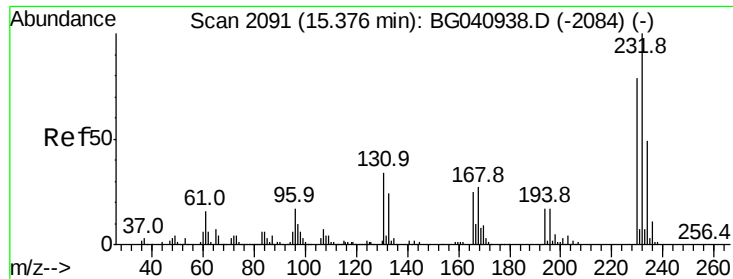
#58
Fluorene
Concen: 41.471 ng
RT: 15.80 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.2	118.8
167	14.7	11.8	17.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

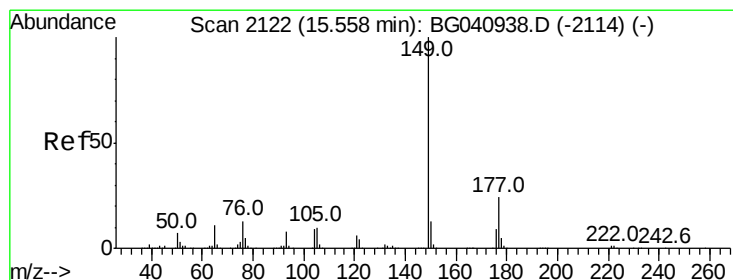
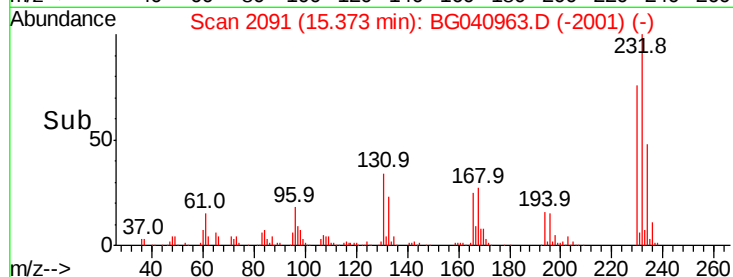
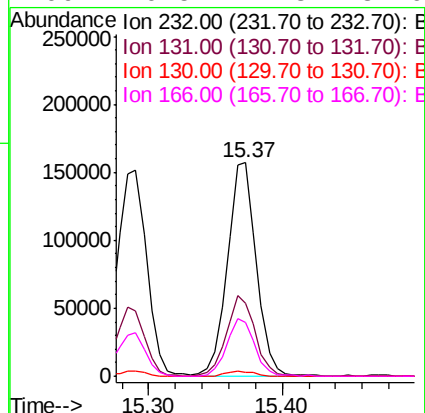
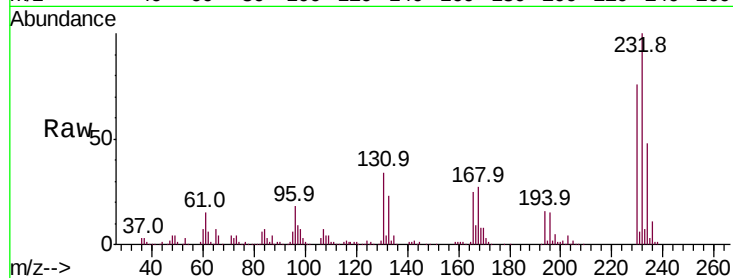




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.183 ng
 RT: 15.37 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

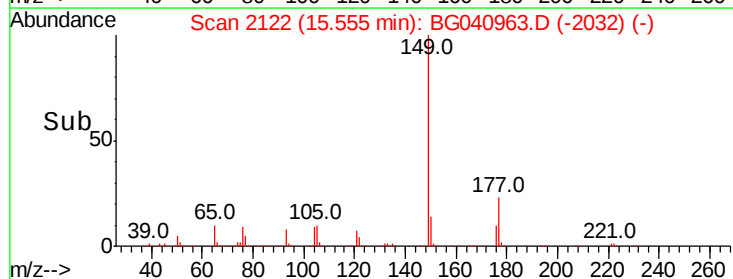
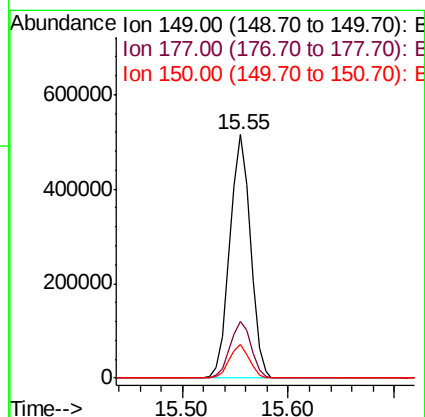
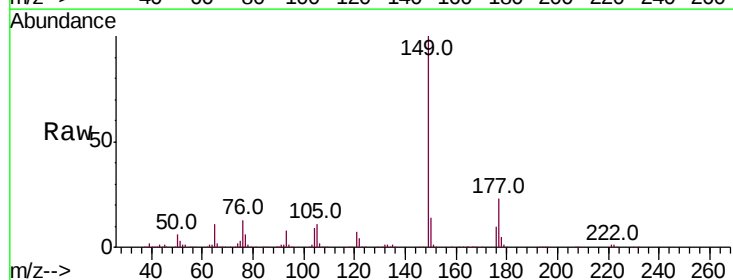
Instrument :
 BNA_G
 ClientSampleId :

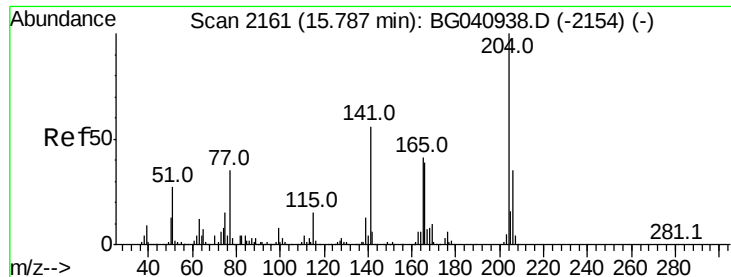
Tot Ion:	232	Resp:	237543
Ion	Ratio	Lower	Upper
232	100		
131	37.1	30.3	45.5
130	2.2	1.8	2.8
166	26.5	21.3	31.9



#60
 Diethylphthalate
 Concen: 42.279 ng
 RT: 15.55 min Scan# 2122
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion:	149	Resp:	695169
Ion	Ratio	Lower	Upper
149	100		
177	23.4	19.4	29.0
150	13.8	10.3	15.5

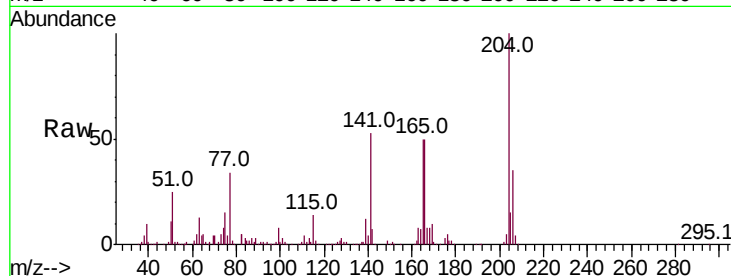




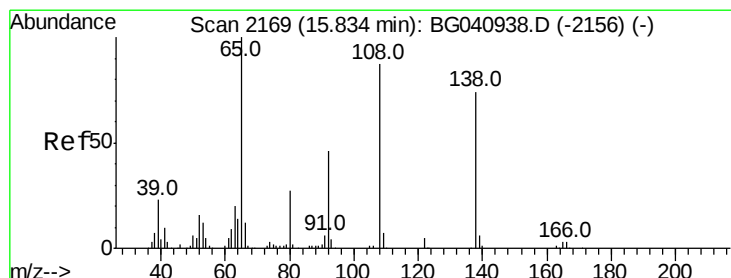
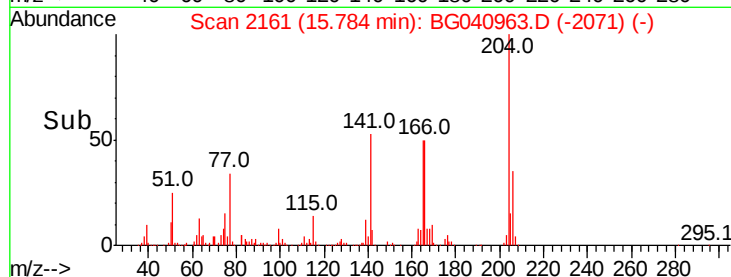
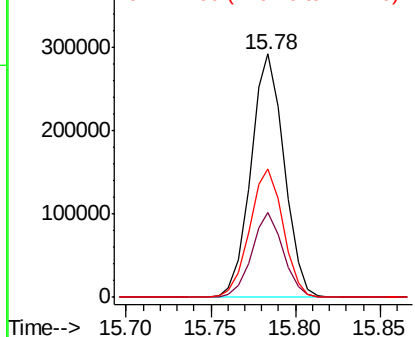
#61
 4-Chlorophenyl-phenylether
 Concen: 41.661 ng
 RT: 15.78 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.7	27.6	41.4
141	52.9	45.1	67.7

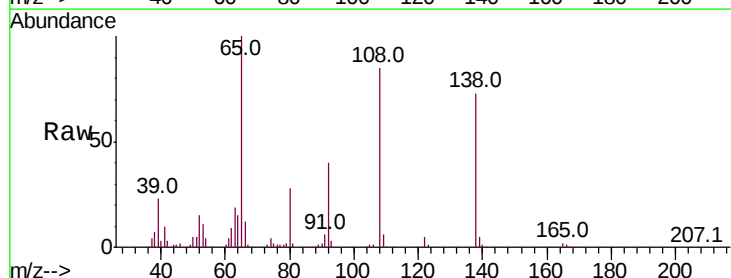


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

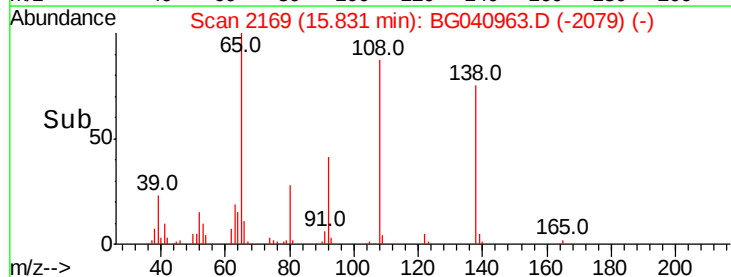
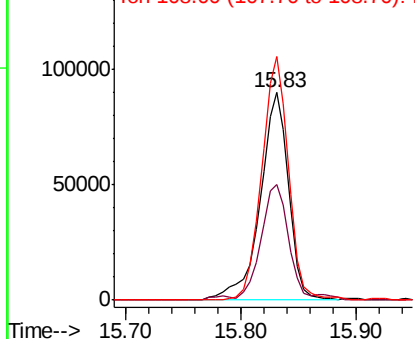


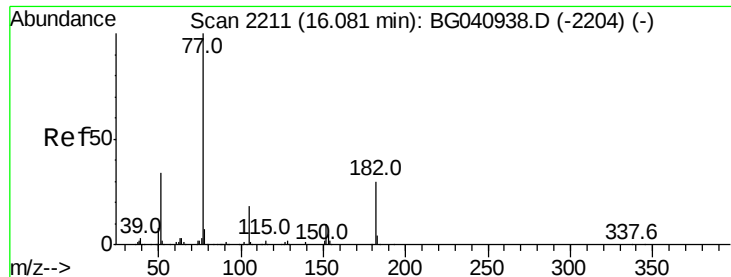
#62
 4-Nitroaniline
 Concen: 41.811 ng
 RT: 15.83 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.7	42.4	82.4
108	117.5	96.9	136.9



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E

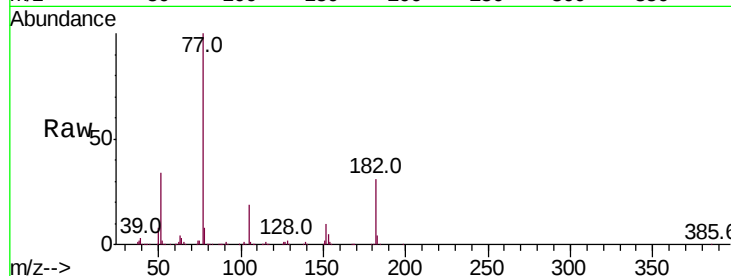




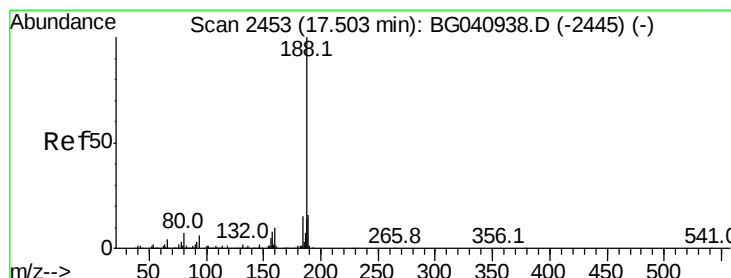
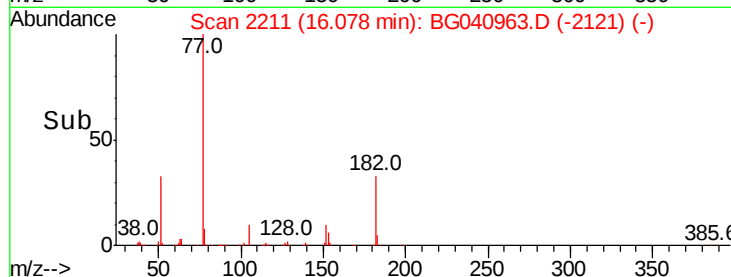
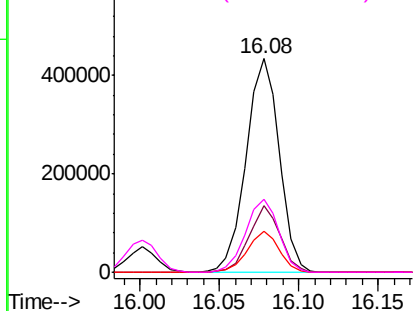
#63
Azobenzene
Concen: 42.169 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	77	Resp:	630185
Ion	Ratio	Lower	Upper
77	100		
182	31.1	9.6	49.6
105	19.2	0.0	37.5
51	34.2	13.7	53.7

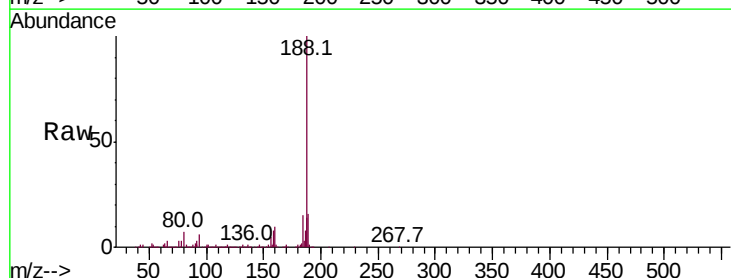


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

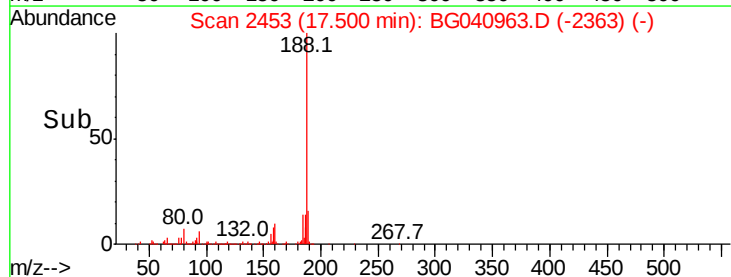
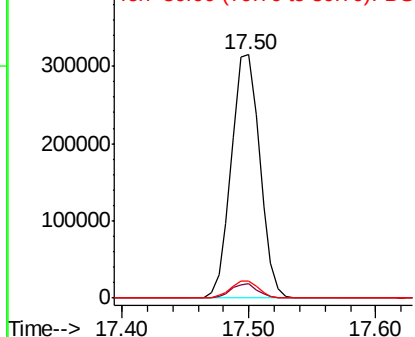


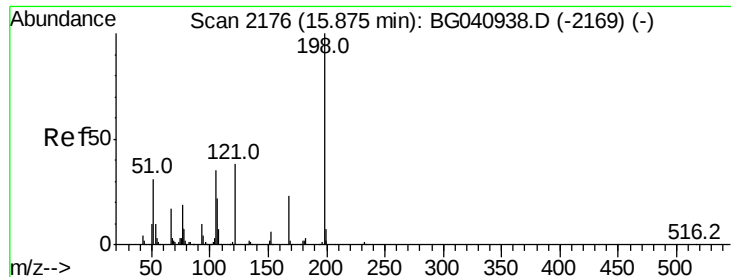
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:	188	Resp:	489174
Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	7.0	5.8	8.8



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: 48.128 ng

RT: 15.87 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampled :

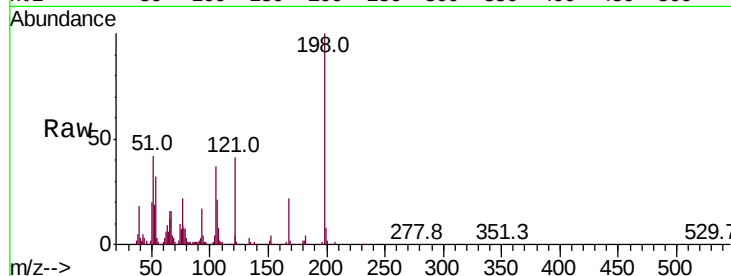
Tot Ion:198 Resp: 126231

Ion Ratio Lower Upper

198 100

51 42.5 21.6 61.6

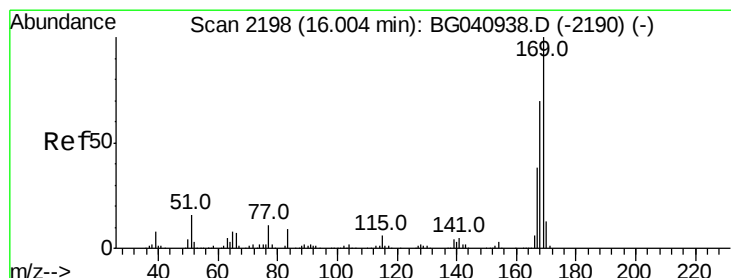
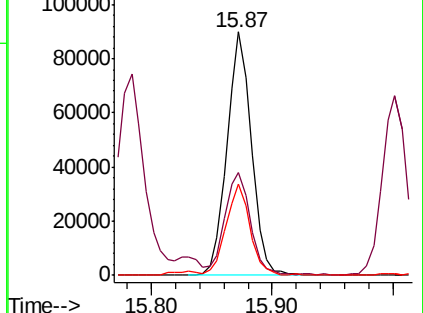
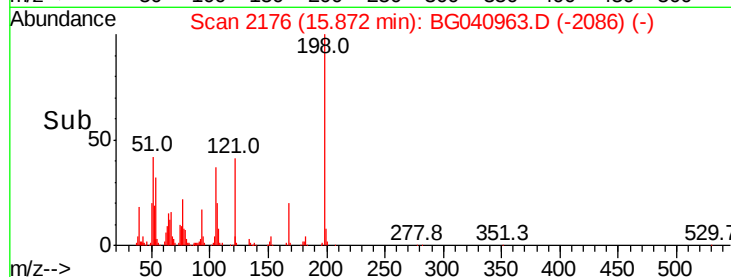
105 37.5 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 42.332 ng

RT: 16.00 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

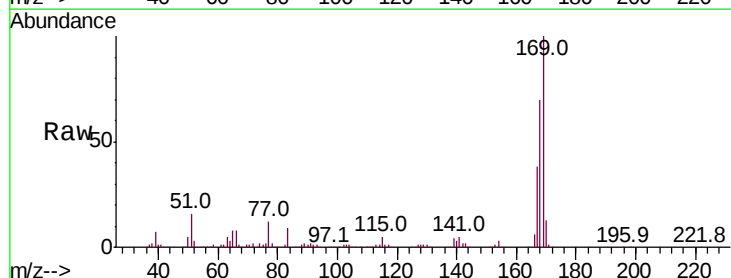
Tgt Ion:169 Resp: 582124

Ion Ratio Lower Upper

169 100

168 70.4 55.7 83.5

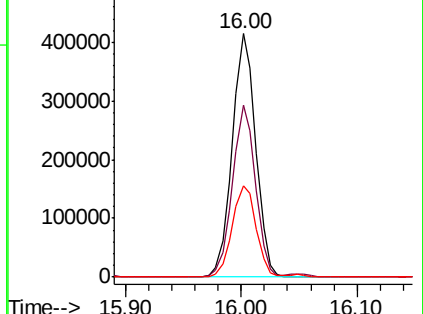
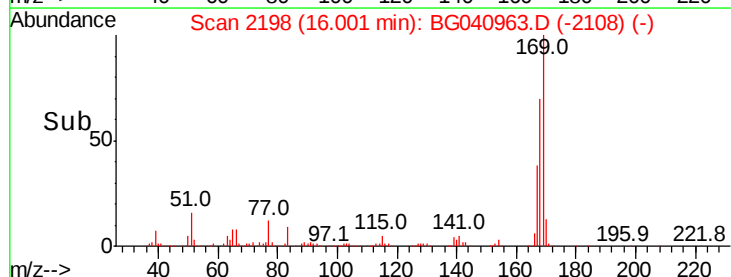
167 37.7 30.2 45.2

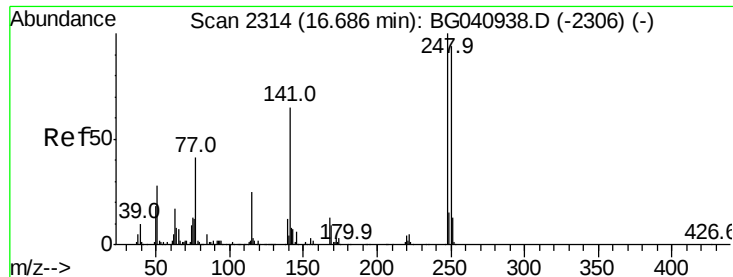


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 39.422 ng

RT: 16.68 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampled :

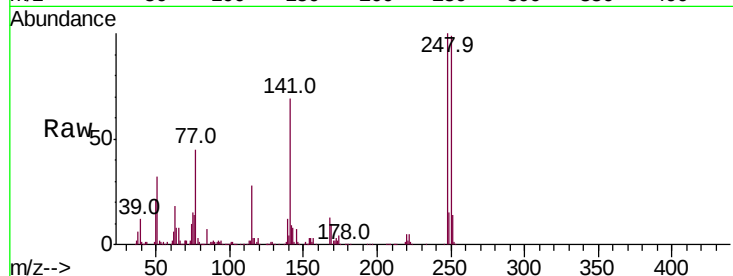
Tot Ion:248 Resp: 260249

Ion Ratio Lower Upper

248 100

250 98.6 75.0 112.4

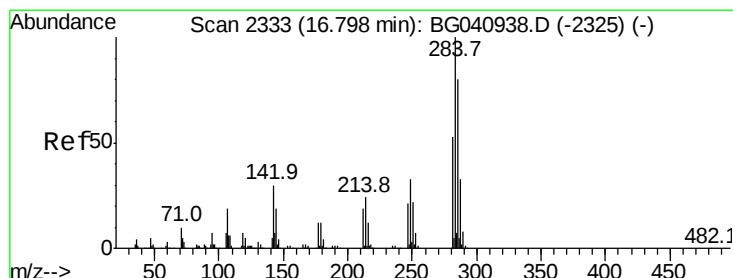
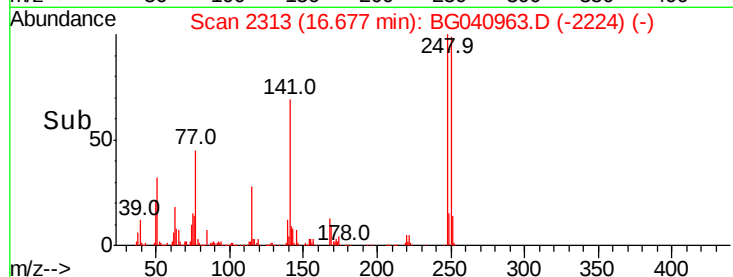
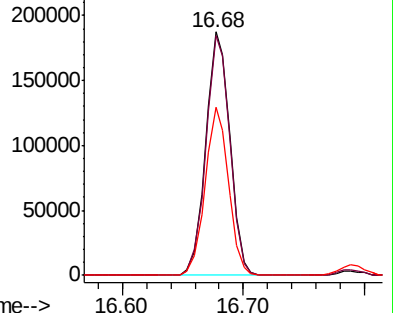
141 69.1 52.4 78.6



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



#68

Hexachlorobenzene

Concen: 38.347 ng

RT: 16.79 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

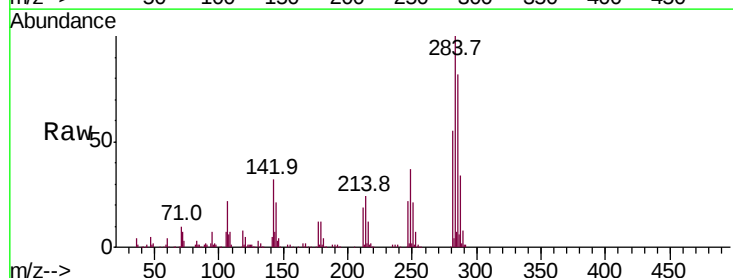
Tgt Ion:284 Resp: 269566

Ion Ratio Lower Upper

284 100

142 31.6 23.9 35.9

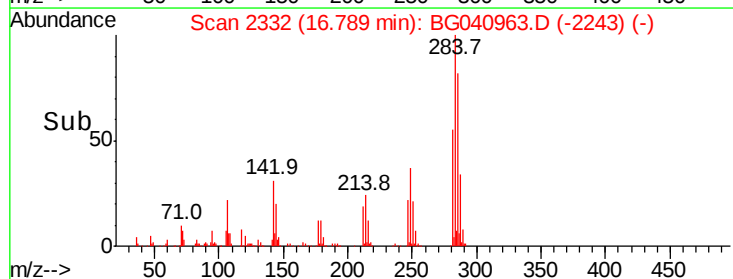
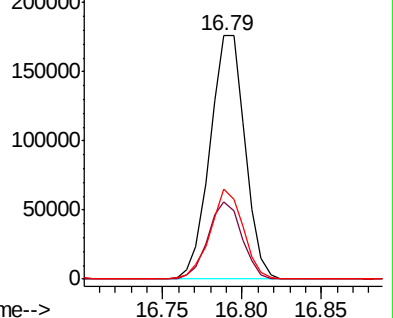
249 36.8 26.8 40.2

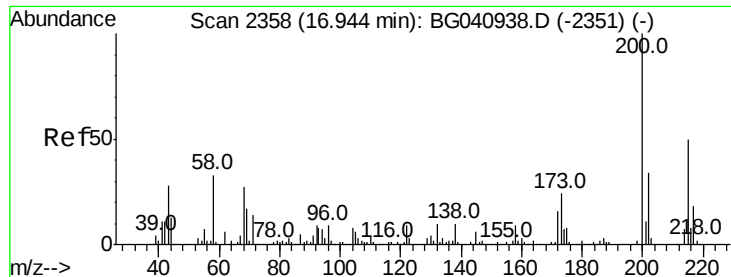


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 48.256 ng

RT: 16.94 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

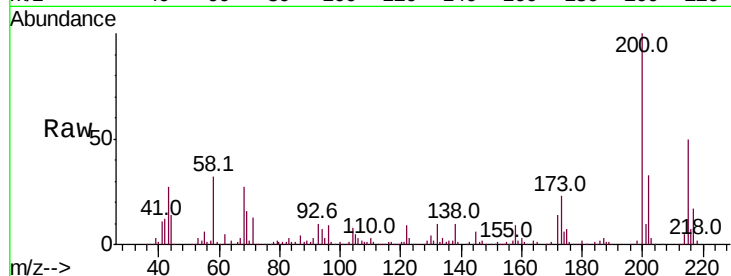
Tot Ion:200 Resp: 256046

Ion Ratio Lower Upper

200 100

173 22.5 3.6 43.6

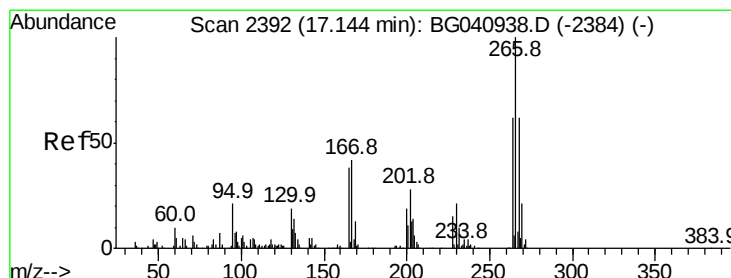
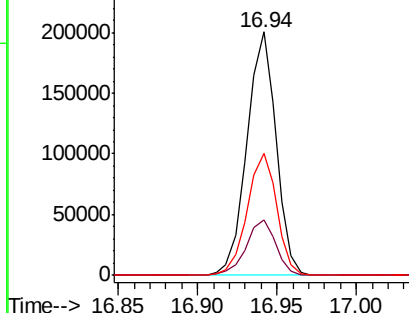
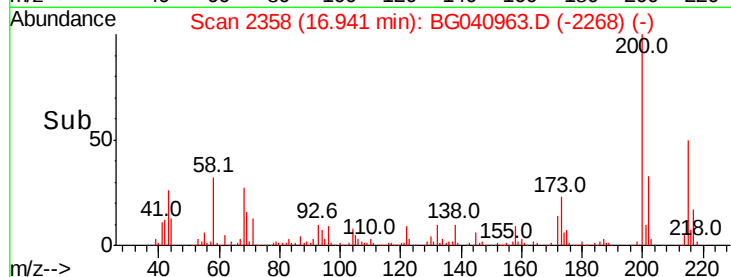
215 50.2 29.6 69.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 86.624 ng

RT: 17.14 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

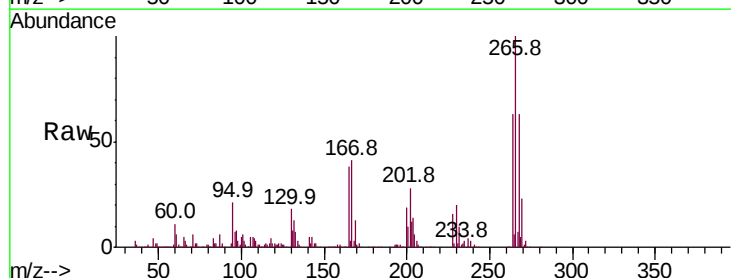
Tgt Ion:266 Resp: 327611

Ion Ratio Lower Upper

266 100

268 63.3 53.1 79.7

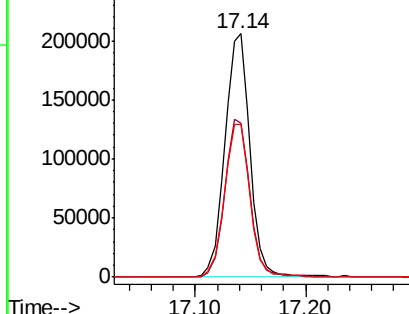
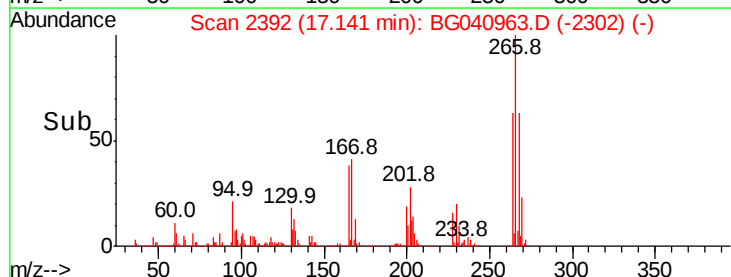
264 62.8 49.9 74.9

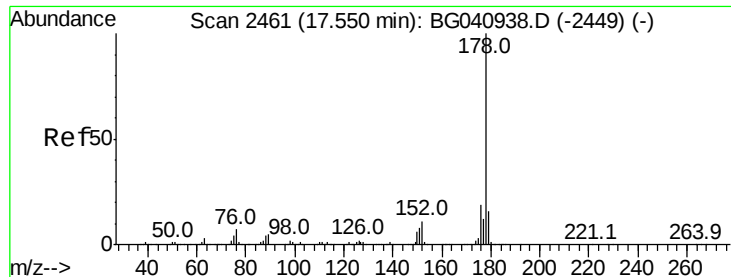


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

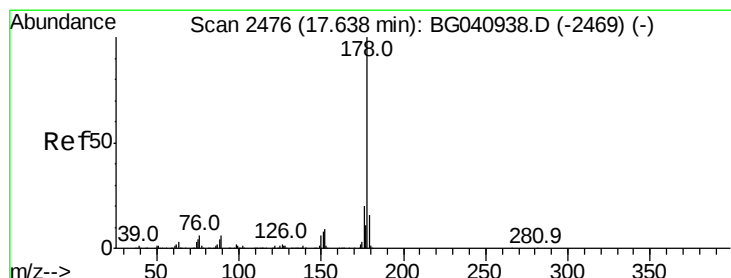
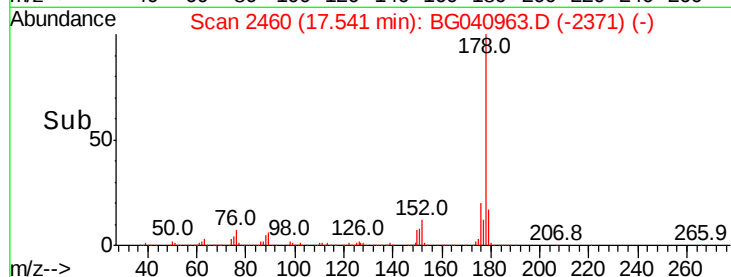
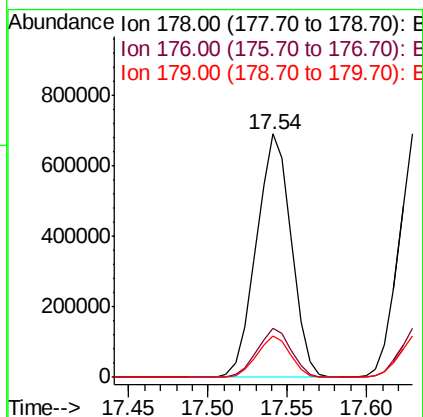
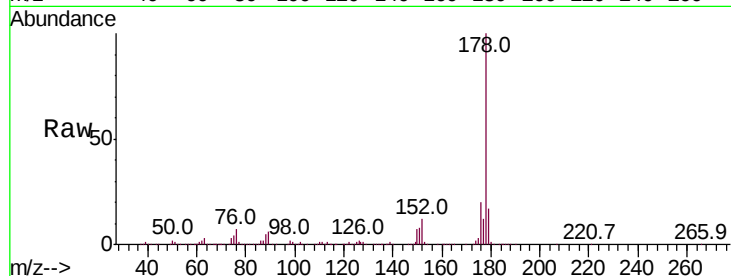




#71
Phenanthrene
Concen: 41.580 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

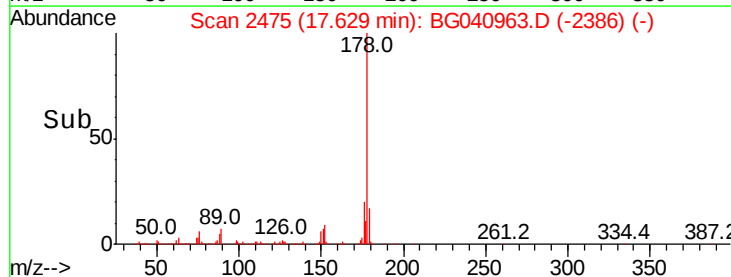
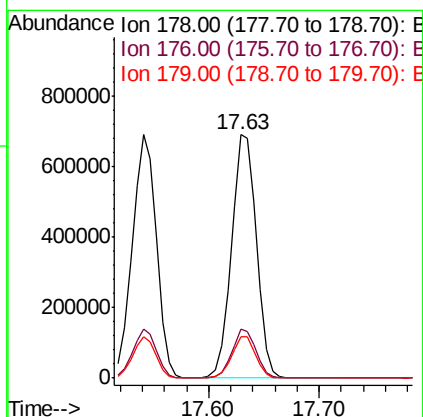
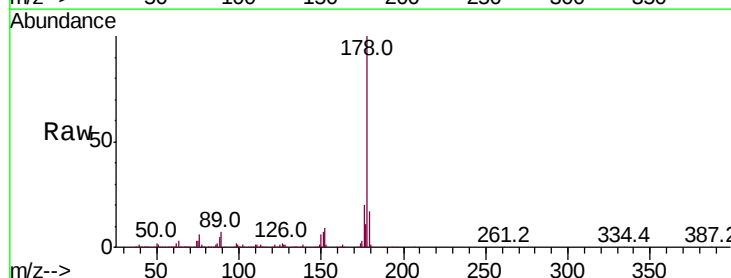
Instrument :
BNA_G
ClientSampled :

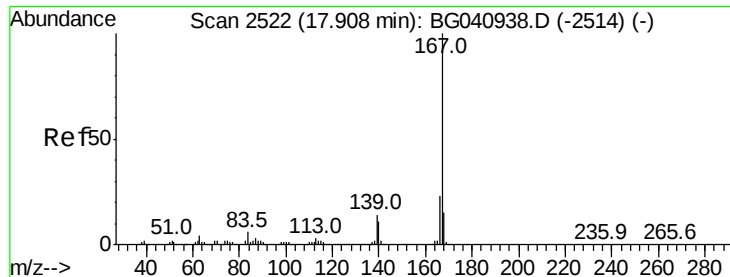
Tot Ion:178 Resp: 1059483
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 17.2 12.7 19.1



#72
Anthracene
Concen: 43.431 ng
RT: 17.63 min Scan# 2475
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:178 Resp: 1091447
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 16.8 13.0 19.4



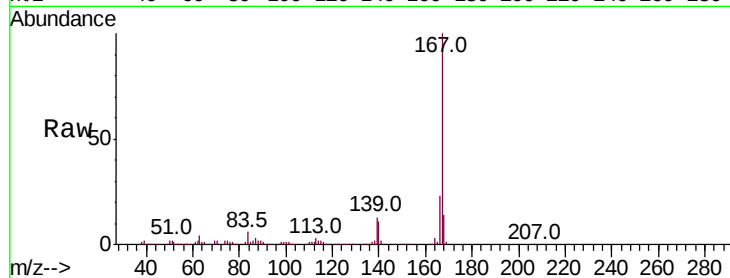


#73
 Carbazole
 Concen: 45.138 ng
 RT: 17.90 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

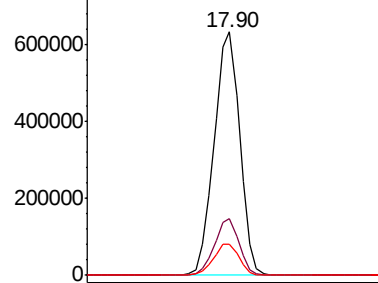
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:167 Resp: 973310

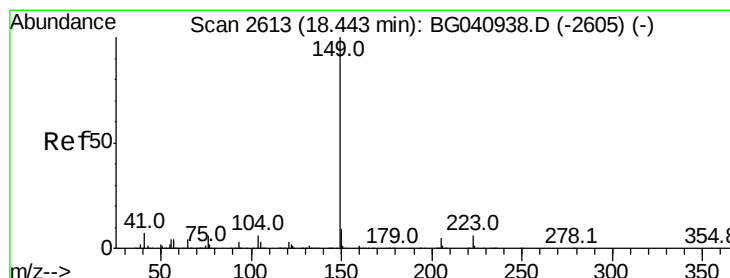
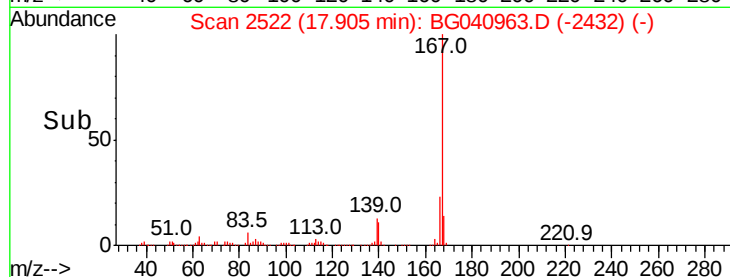
Ion	Ratio	Lower	Upper
167	100		
166	23.4	18.2	27.4
139	12.9	10.8	16.2



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E



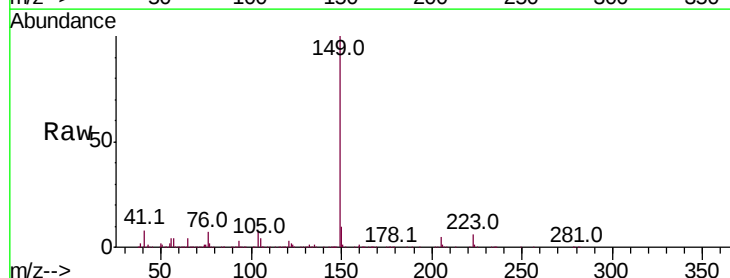
Time--> 17.80 17.90 18.00



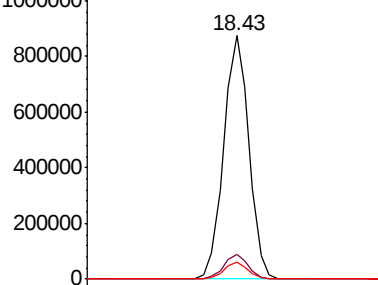
#74
 Di-n-butylphthalate
 Concen: 40.999 ng
 RT: 18.43 min Scan# 2612
 Delta R.T. -0.01 min
 Lab File: BG040963.D
 Acq: 30 May 2019 23:22

Tgt Ion:149 Resp: 1098778

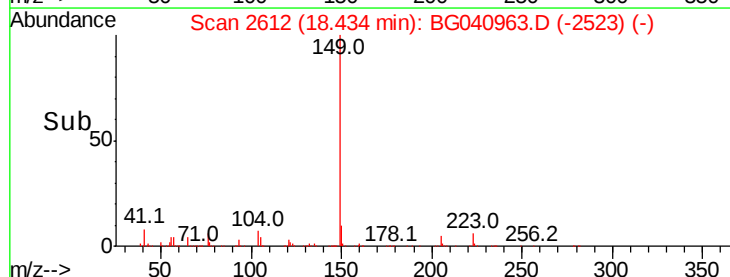
Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.4	11.2
104	6.8	5.0	7.4

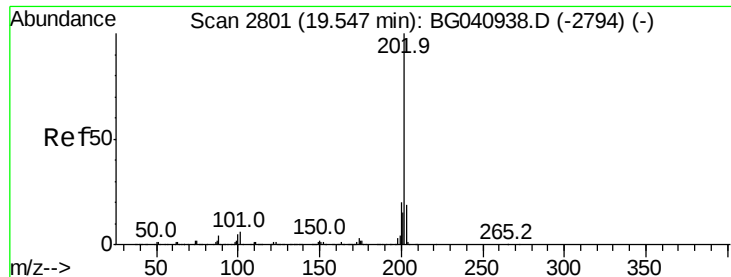


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E



Time--> 18.35 18.40 18.45 18.50





#75

Fluoranthene

Concen: 42.988 ng

RT: 19.54 min Scan# 2801

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

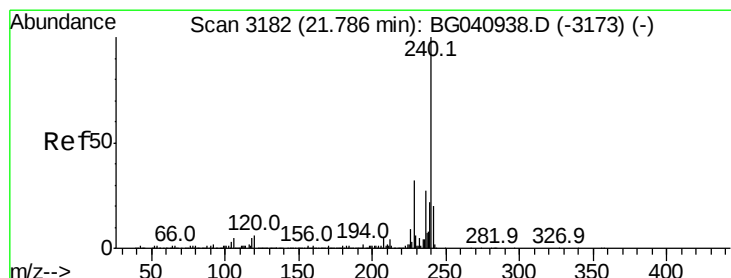
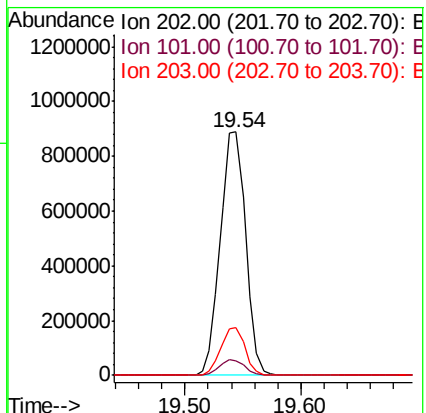
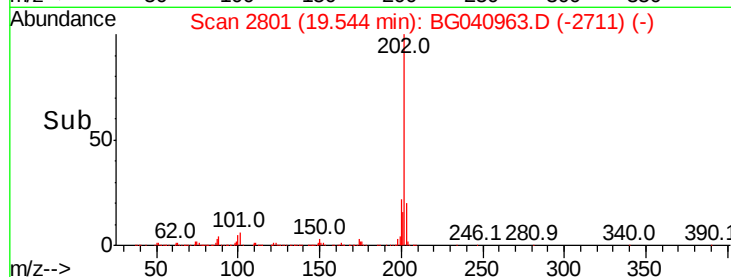
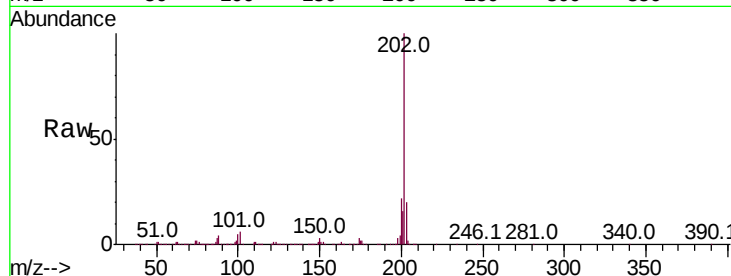
Tot Ion:202 Resp: 1352935

Ion Ratio Lower Upper

202 100

101 5.9 0.0 26.2

203 19.6 0.0 38.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

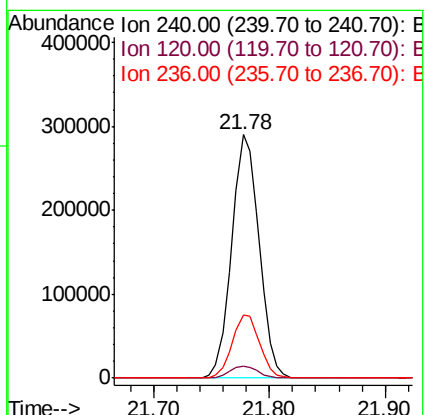
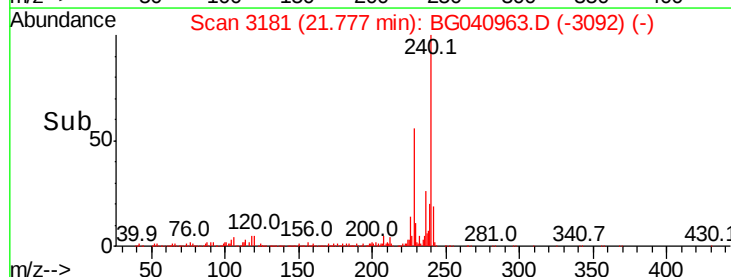
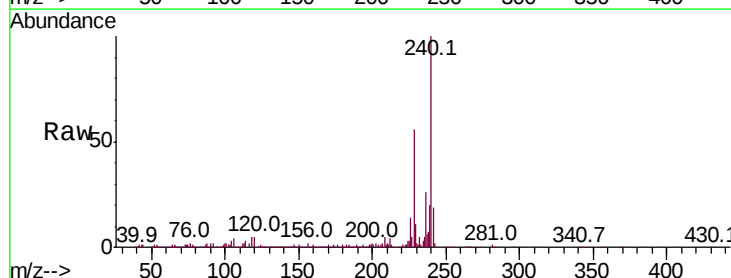
Tgt Ion:240 Resp: 475634

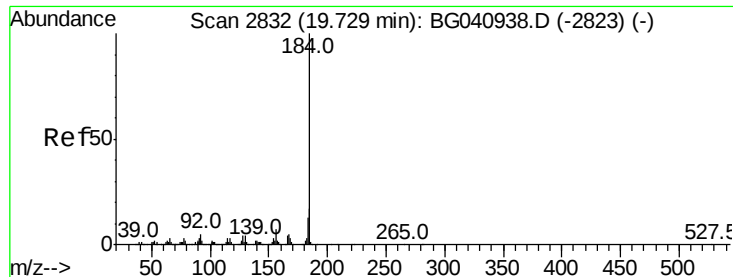
Ion Ratio Lower Upper

240 100

120 5.0 4.5 6.7

236 26.1 21.3 31.9





#77

Benzidine

Concen: 33.925 ng

RT: 19.72 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

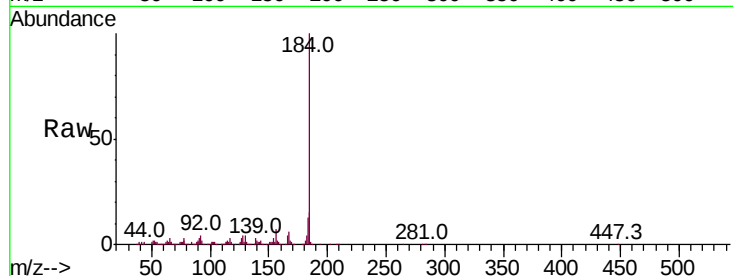
Tot Ion:184 Resp: 384929

Ion Ratio Lower Upper

184 100

185 14.7 13.3 19.9

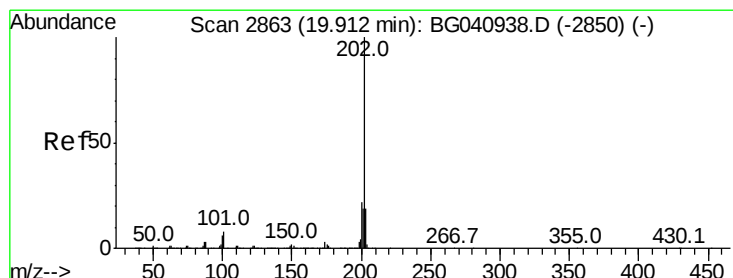
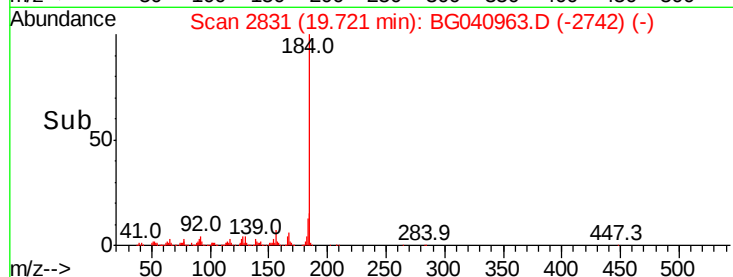
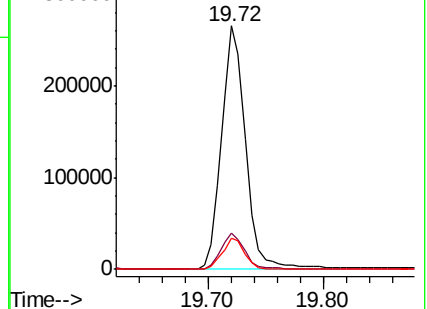
183 12.6 10.7 16.1



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: 43.224 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

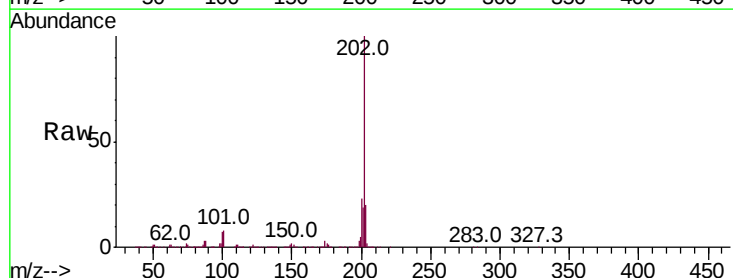
Tgt Ion:202 Resp: 1336470

Ion Ratio Lower Upper

202 100

200 22.7 17.5 26.3

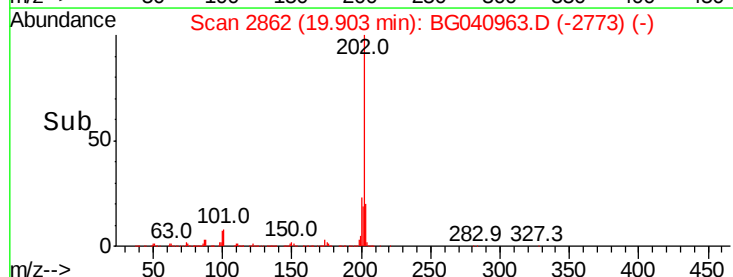
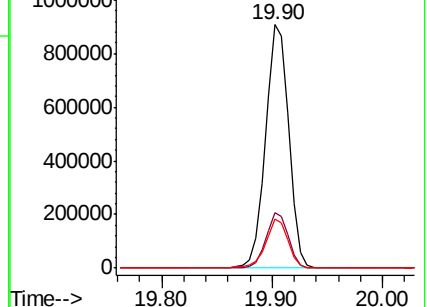
203 20.1 15.6 23.4

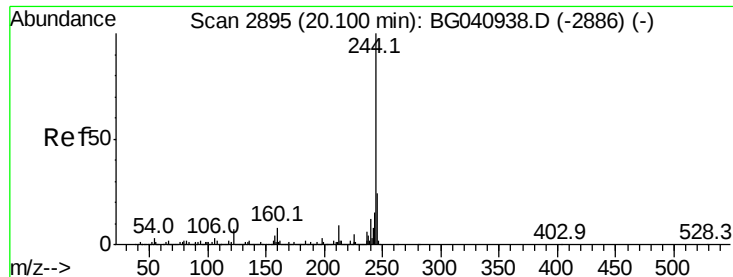


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.716 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

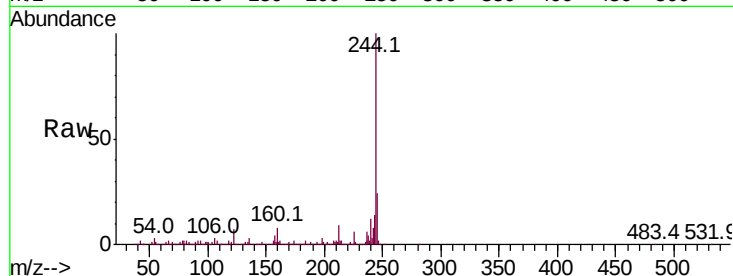
Tot Ion:244 Resp: 1652035

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.4
122	7.3	5.4	8.0

244 100

212 8.8 7.0 10.4

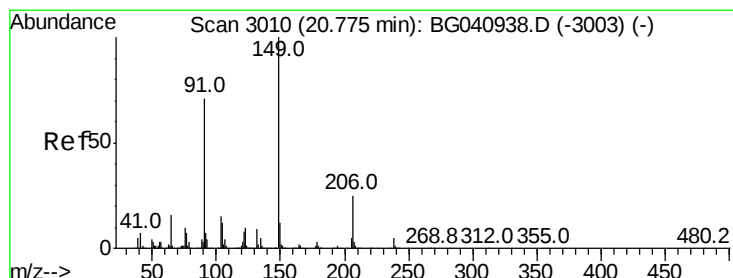
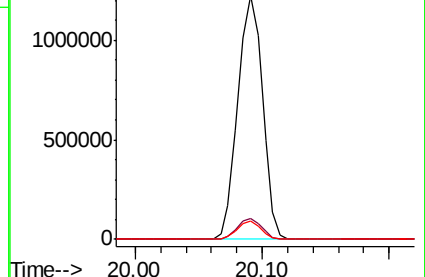
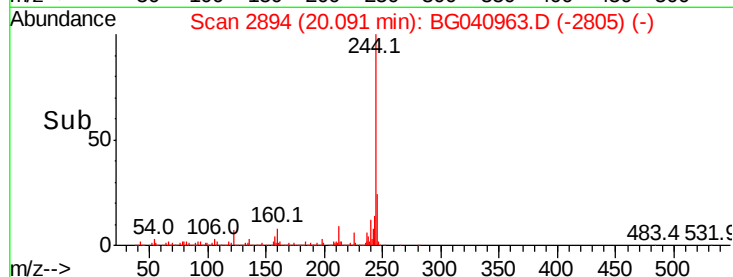
122 7.3 5.4 8.0



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: 41.989 ng

RT: 20.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

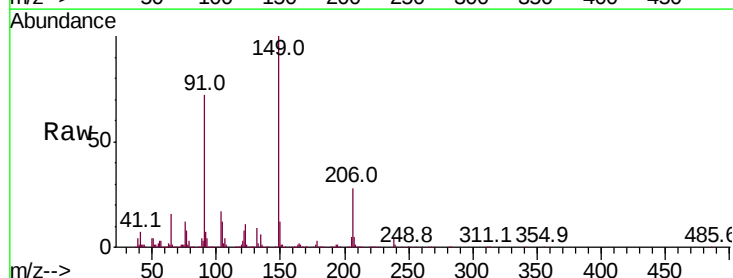
Tgt Ion:149 Resp: 505231

Ion	Ratio	Lower	Upper
149	100		
91	71.5	56.5	84.7
206	27.6	20.3	30.5

149 100

91 71.5 56.5 84.7

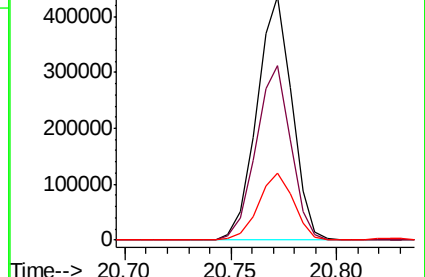
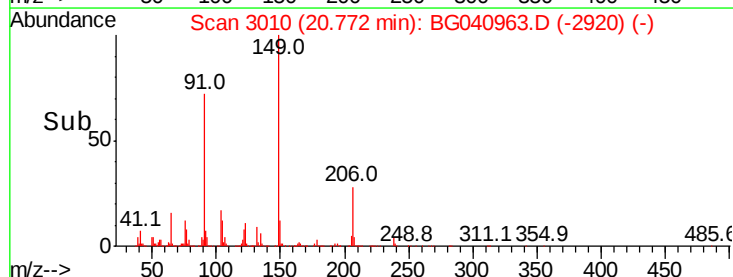
206 27.6 20.3 30.5

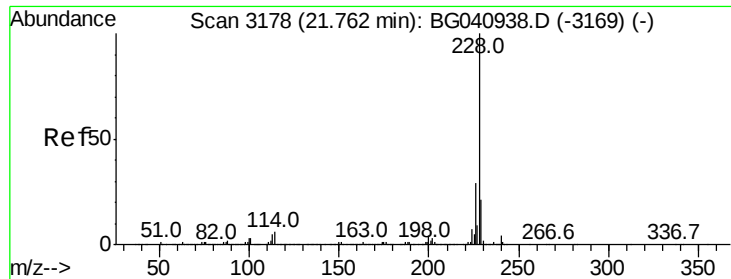


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 40.440 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

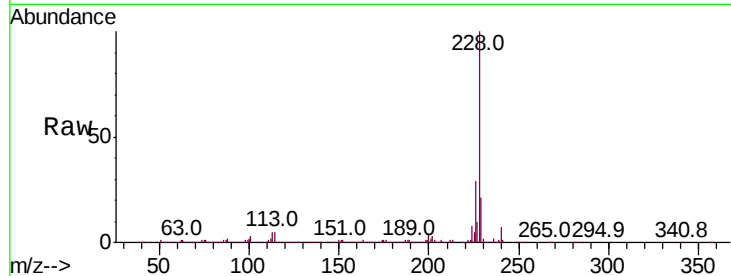
Tot Ion:228 Resp: 1280389

Ion Ratio Lower Upper

228 100

226 29.0 23.5 35.3

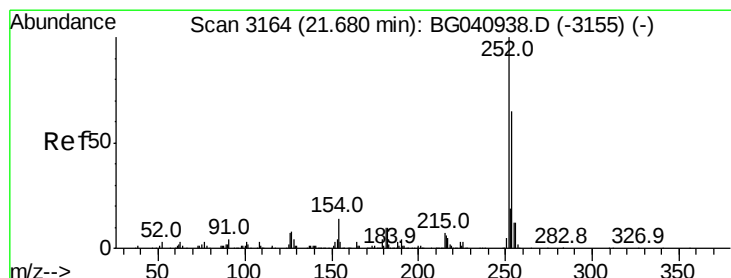
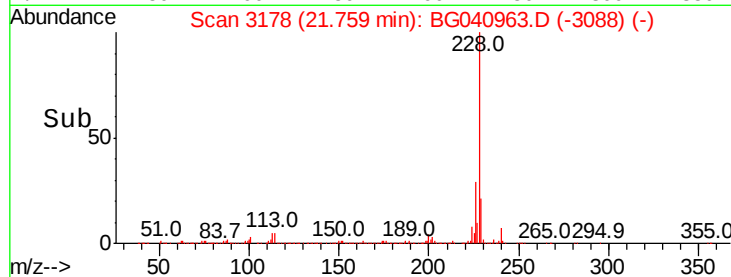
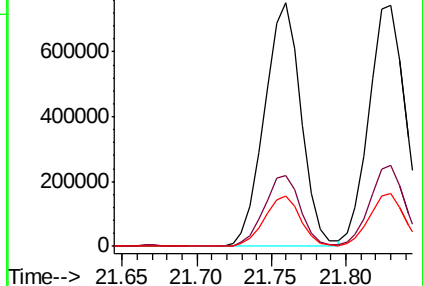
229 20.8 16.7 25.1



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: 23.536 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

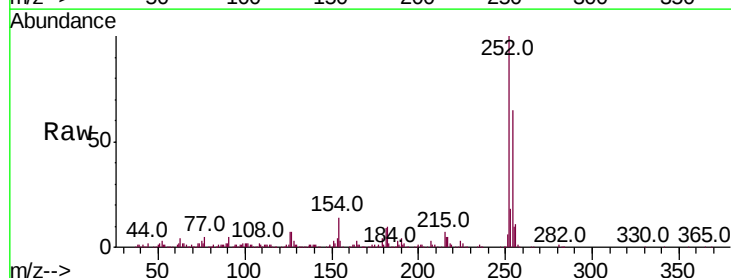
Tgt Ion:252 Resp: 262099

Ion Ratio Lower Upper

252 100

254 65.2 52.1 78.1

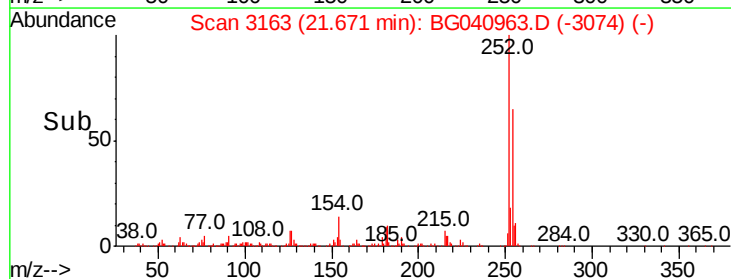
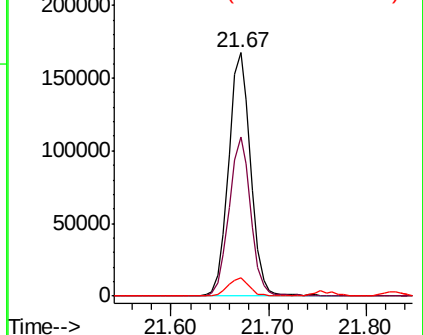
126 7.4 5.5 8.3

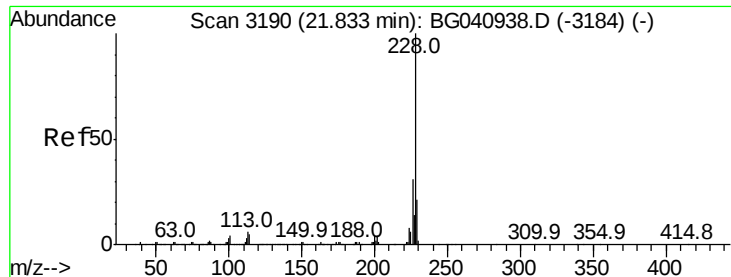


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 40.975 ng

RT: 21.83 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

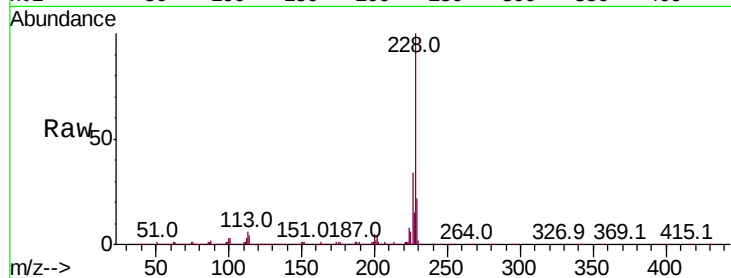
Tot Ion:228 Resp: 1241469

Ion	Ratio	Lower	Upper
228	100		
226	33.6	24.6	37.0
229	21.9	16.6	24.8

228 100

226 33.6 24.6 37.0

229 21.9 16.6 24.8

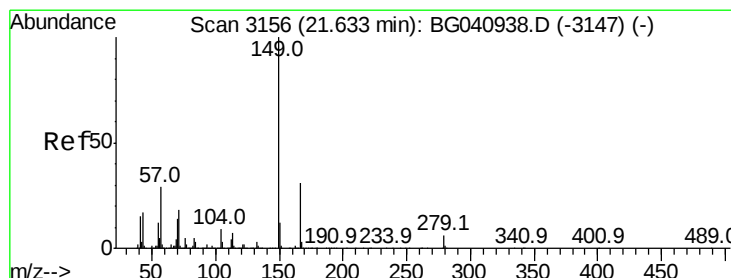
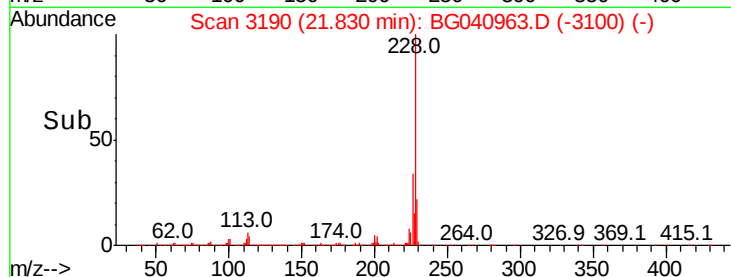
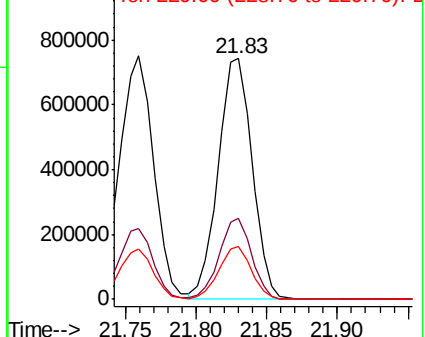


Abundance

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: 41.431 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

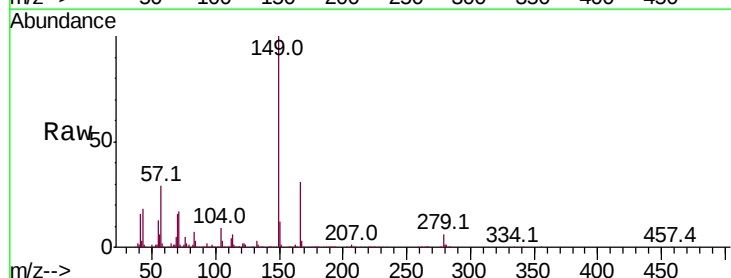
Tgt Ion:149 Resp: 701779

Ion	Ratio	Lower	Upper
149	100		
167	30.5	24.6	37.0
279	6.2	5.0	7.6

149 100

167 30.5 24.6 37.0

279 6.2 5.0 7.6

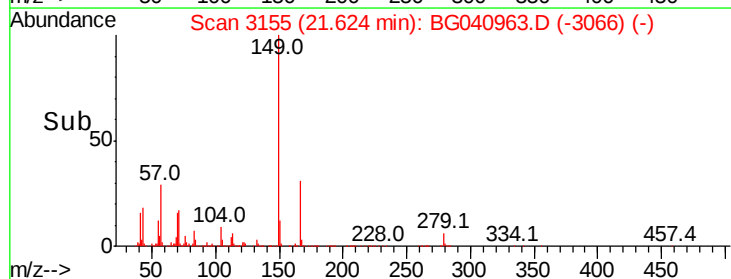
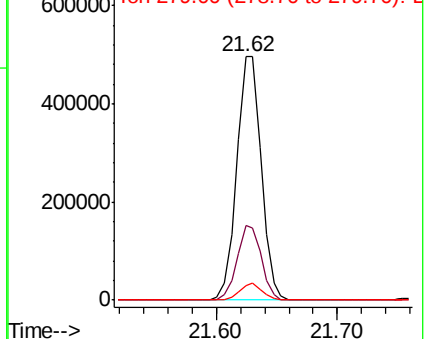


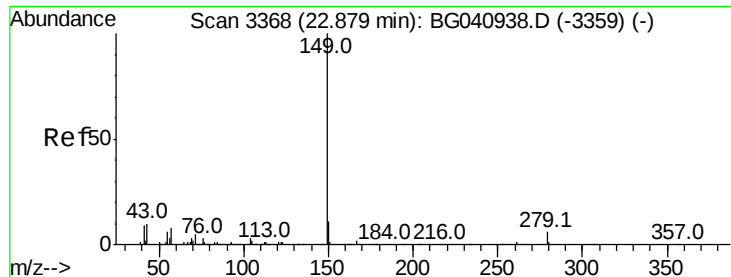
Abundance

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: 41.323 ng

RT: 22.88 min Scan# 3368

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampled :

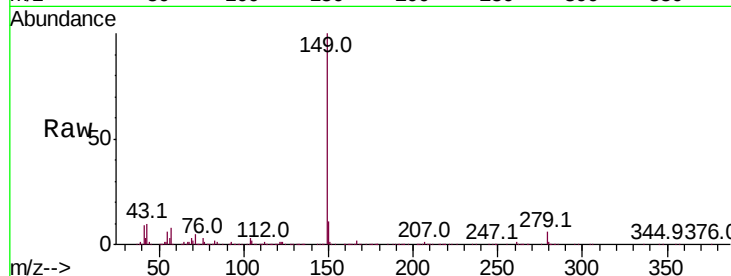
Tot Ion:149 Resp: 1165718

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

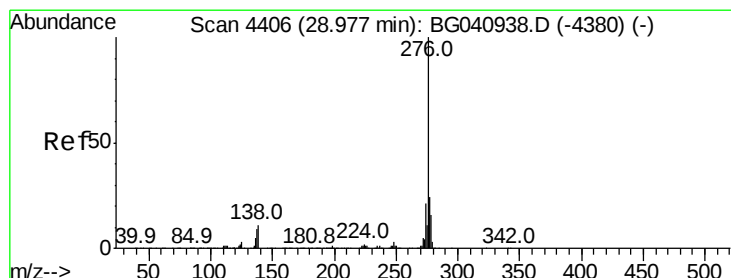
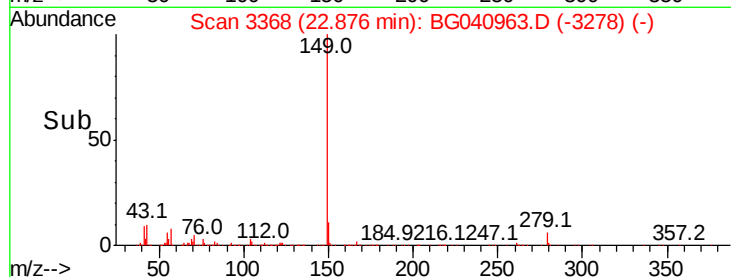
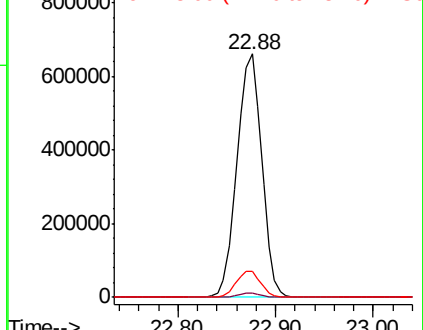
43 10.4 8.1 12.1



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): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.925 ng

RT: 28.96 min Scan# 4404

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

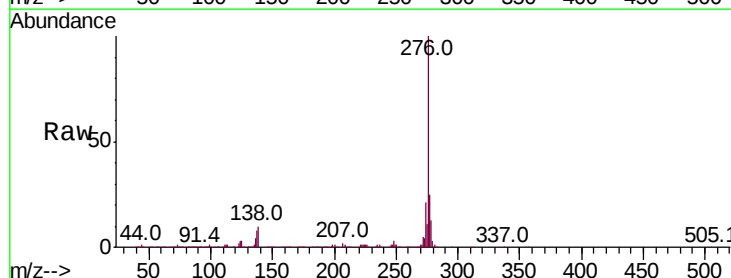
Tgt Ion:276 Resp: 1518910

Ion Ratio Lower Upper

276 100

138 9.4 5.7 8.5#

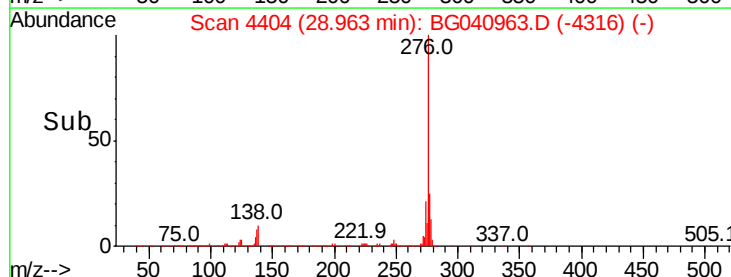
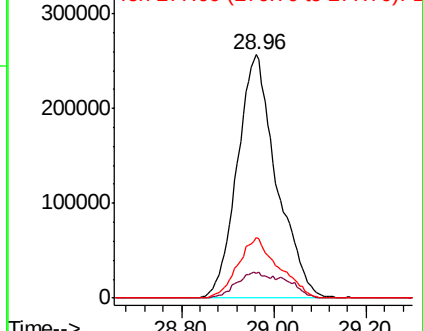
277 25.9 20.8 31.2

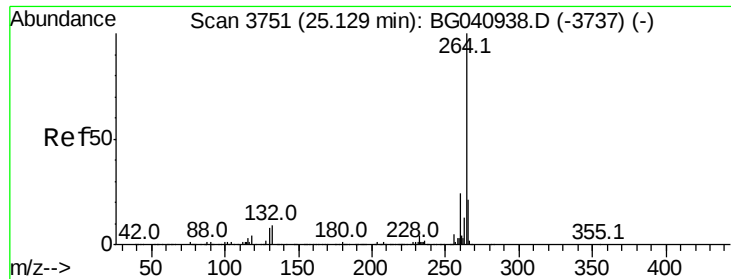


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.12 min Scan# 3750

Delta R.T. -0.01 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

Instrument :

BNA_G

ClientSampleId :

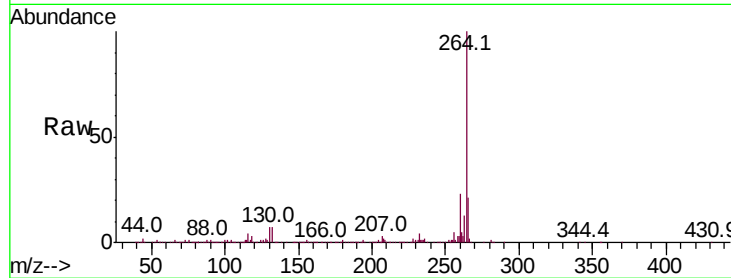
Tot Ion:264 Resp: 500921

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

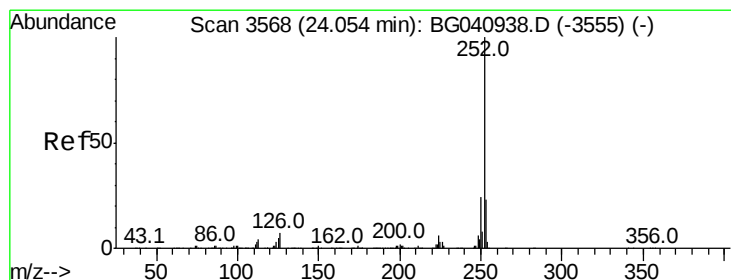
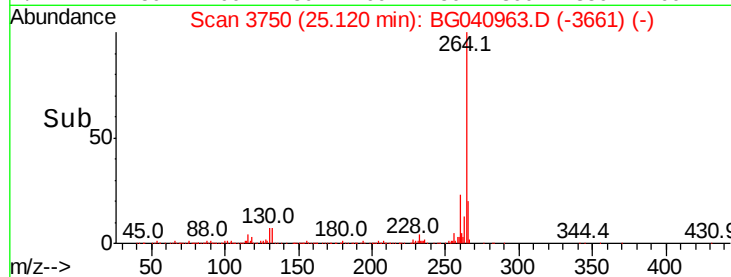
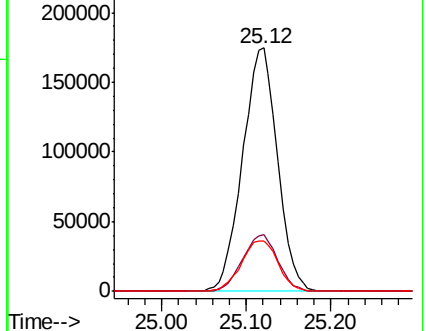
265 20.7 17.0 25.4



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: 43.032 ng

RT: 24.05 min Scan# 3568

Delta R.T. -0.00 min

Lab File: BG040963.D

Acq: 30 May 2019 23:22

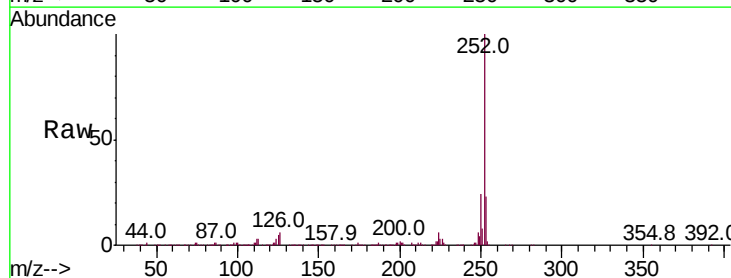
Tgt Ion:252 Resp: 1307436

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

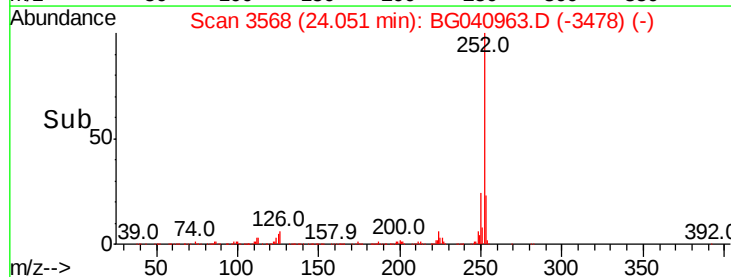
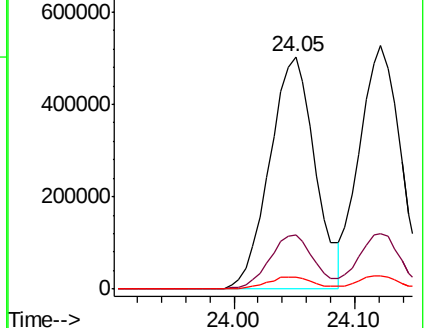
125 5.2 4.3 6.5

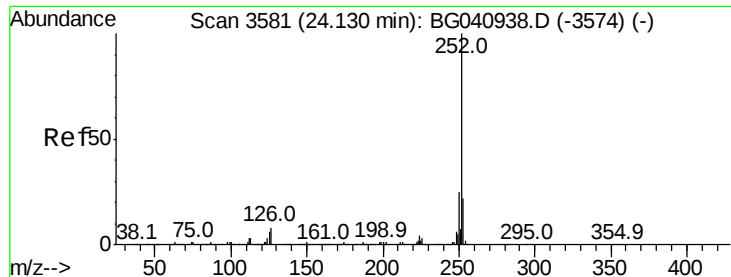


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

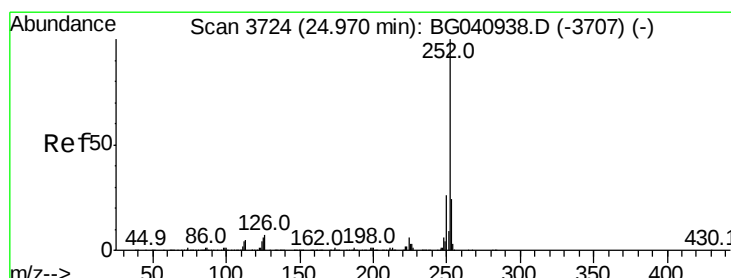
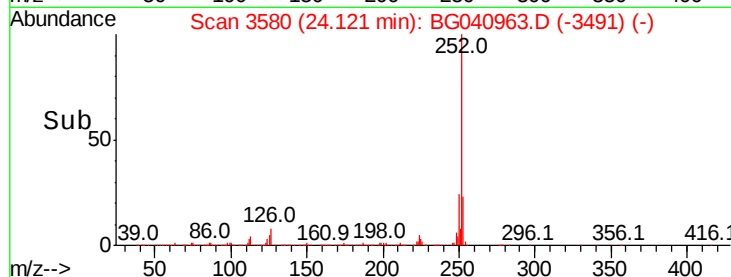
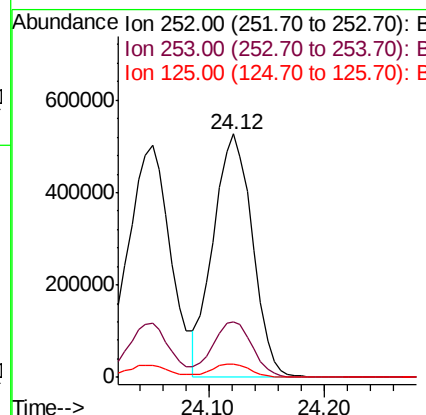
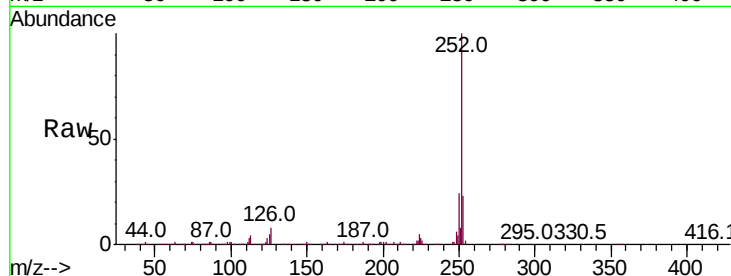




#89
Benzo(k)fluoranthene
Concen: 41.156 ng
RT: 24.12 min Scan# 3580
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

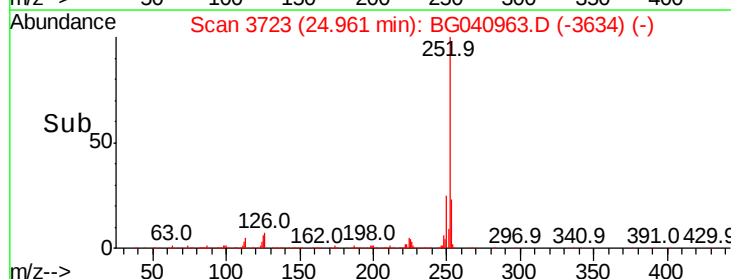
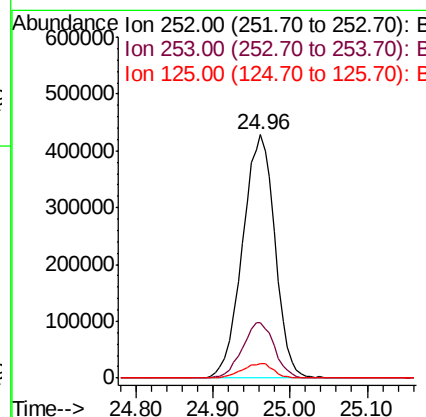
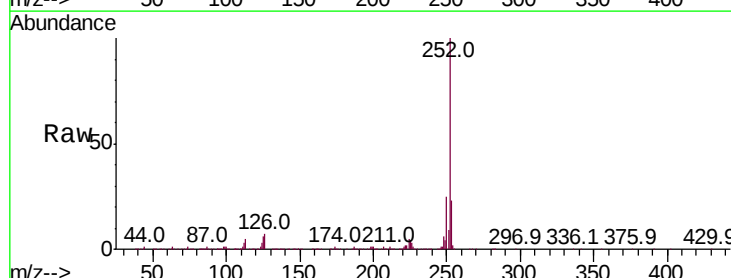
Instrument :
BNA_G
ClientSampleId :

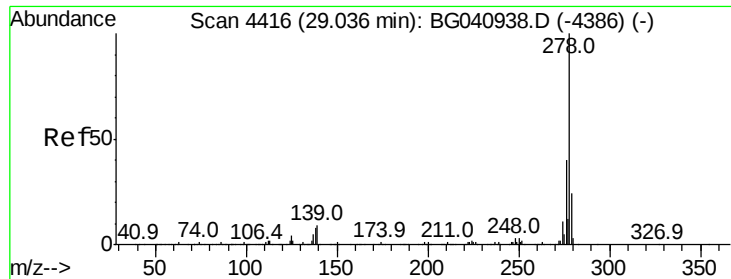
Tot Ion:252 Resp: 1237385
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 5.3 4.7 7.1



#90
Benzo(a)pyrene
Concen: 43.523 ng
RT: 24.96 min Scan# 3723
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:252 Resp: 1261612
Ion Ratio Lower Upper
252 100
253 22.7 19.5 29.3
125 6.1 5.1 7.7



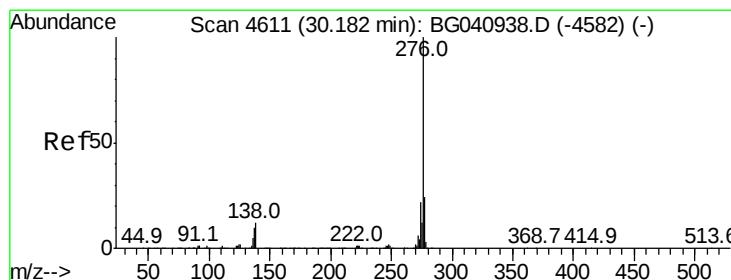
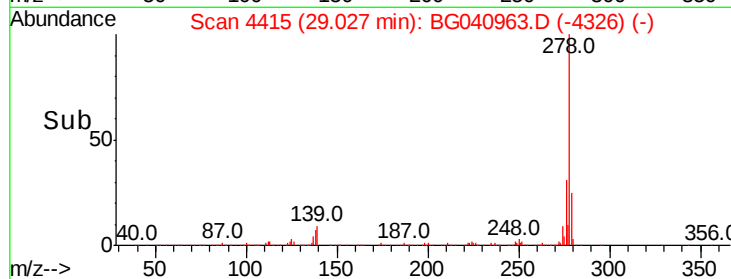
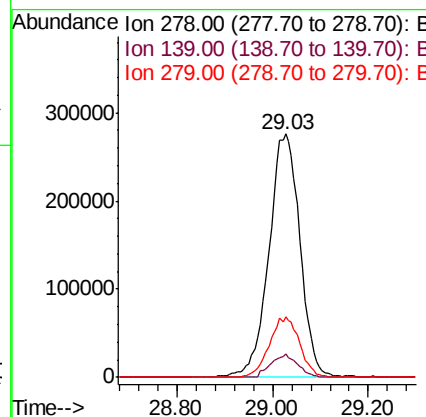
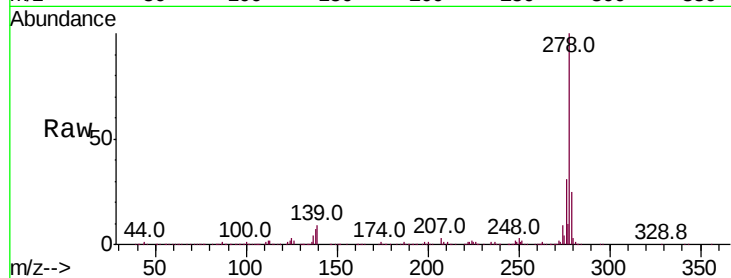


#91
Dibenzo(a,h)anthracene
Concen: 42.788 ng
RT: 29.03 min Scan# 4415
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 1239329

Ion	Ratio	Lower	Upper
278	100		
139	9.4	7.1	10.7
279	24.7	19.4	29.2



#92
Benzo(g,h,i)perylene
Concen: 44.759 ng
RT: 30.17 min Scan# 4610
Delta R.T. -0.01 min
Lab File: BG040963.D
Acq: 30 May 2019 23:22

Tgt Ion:276 Resp: 1259504

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.4	29.0
138	10.2	9.7	14.5

