

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
 Data File : BG045404.D
 Acq On : 15 May 2020 19:54
 Operator : CG/JU
 Sample : PB128906BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 16 00:24:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	64022	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	253107	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	176522	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	414999	20.00	ng	0.00
76) Chrysene-d12	21.62	240	402312	20.00	ng	0.00
87) Perylene-d12	24.78	264	460896	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	483330	147.54	ng	0.00
7) Phenol-d6	7.14	99	673323	144.41	ng	0.00
23) Nitrobenzene-d5	9.13	82	424605	91.48	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	300327	133.03	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	936150	89.96	ng	0.00
79) Terphenyl-d14	19.98	244	1632680	94.65	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	66103	40.691	ng	95
3) Pyridine	3.81	79	151785	33.548	ng	99
4) n-Nitrosodimethylamine	3.73	42	67798	45.794	ng	96
6) Aniline	7.29	93	226458	37.205	ng	99
8) 2-Chlorophenol	7.54	128	176124	49.025	ng	99
9) Benzaldehyde	7.09	77	131370	43.244	ng	99
10) Phenol	7.16	94	236208	49.153	ng	99
11) bis(2-Chloroethyl)ether	7.38	93	167185	44.603	ng	97
12) 1,3-Dichlorobenzene	7.86	146	191295	44.310	ng	97
13) 1,4-Dichlorobenzene	8.00	146	193826	45.494	ng	98
14) 1,2-Dichlorobenzene	8.32	146	180583	44.069	ng	98
15) Benzyl Alcohol	8.20	79	181366	47.086	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.49	45	154310	43.370	ng	96
17) 2-Methylphenol	8.42	107	158592	44.091	ng	99
18) Hexachloroethane	9.06	117	76030	46.594	ng	95
19) n-Nitroso-di-n-propylamine	8.77	70	145702	45.189	ng	97
20) 3+4-Methylphenols	8.75	107	213181	43.524	ng	99
22) Acetophenone	8.79	105	265619	44.278	ng	98
24) Nitrobenzene	9.17	77	221206	44.483	ng	99
25) Isophorone	9.70	82	403974	44.194	ng	97
26) 2-Nitrophenol	9.88	139	100003	47.009	ng	92
27) 2,4-Dimethylphenol	9.95	122	167269	53.015	ng	98
28) bis(2-Chloroethoxy)methane	10.18	93	221023	46.106	ng	97
29) 2,4-Dichlorophenol	10.43	162	182321	48.934	ng	97
30) 1,2,4-Trichlorobenzene	10.64	180	198261	45.033	ng	98
31) Naphthalene	10.82	128	529239	44.871	ng	99
32) Benzoic acid	10.10	122	89065	42.862	ng	98
33) 4-Chloroaniline	10.93	127	128332	26.030	ng	97
34) Hexachlorobutadiene	11.12	225	136738	43.938	ng	98
35) Caprolactam	11.69	113	31975	23.381	ng	90
36) 4-Chloro-3-methylphenol	12.06	107	198375	47.250	ng	98
37) 2-Methylnaphthalene	12.43	142	403415	45.890	ng	98
38) 1-Methylnaphthalene	12.65	142	372880	44.903	ng	93
40) 1,2,4,5-Tetrachlorobenzene	12.80	216	225303	45.696	ng	98

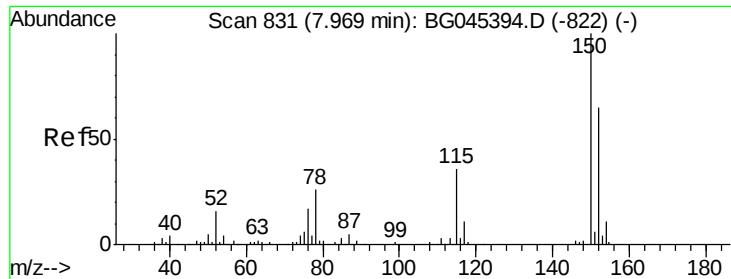
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
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 QLast Update : Fri May 15 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.79	237	301371	105.900	ng	98
43) 2,4,6-Trichlorophenol	13.05	196	157708	46.045	ng	98
44) 2,4,5-Trichlorophenol	13.12	196	167170	42.711	ng	98
46) 1,1'-Biphenyl	13.44	154	513228	47.317	ng	98
47) 2-Chloronaphthalene	13.49	162	387153	43.956	ng	98
48) 2-Nitroaniline	13.69	65	127571	44.032	ng	95
49) Acenaphthylene	14.33	152	650729	45.996	ng	99
50) Dimethylphthalate	14.06	163	535888	44.254	ng	98
51) 2,6-Dinitrotoluene	14.18	165	121302	44.393	ng	96
52) Acenaphthene	14.68	154	377968	39.912	ng	97
53) 3-Nitroaniline	14.51	138	76804	27.650	ng	92
54) 2,4-Dinitrophenol	14.72	184	145906	81.411	ng	99
55) Dibenzofuran	15.01	168	621979	44.228	ng	96
56) 4-Nitrophenol	14.84	139	194920	92.688	ng	96
57) 2,4-Dinitrotoluene	14.97	165	173980	43.964	ng	97
58) Fluorene	15.66	166	505526	43.755	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.24	232	162498	47.191	ng	98
60) Diethylphthalate	15.43	149	549030	43.561	ng	99
61) 4-Chlorophenyl-phenylether	15.65	204	281505	42.579	ng	98
62) 4-Nitroaniline	15.68	138	116724	40.253	ng	96
63) Azobenzene	15.95	77	516851	43.979	ng	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	108681	44.966	ng	95
66) n-Nitrosodiphenylamine	15.86	169	457492	45.914	ng	98
67) 4-Bromophenyl-phenylether	16.55	248	195988	43.613	ng	96
68) Hexachlorobenzene	16.68	284	211801	45.063	ng	98
69) Atrazine	16.82	200	179118	43.644	ng	98
70) Pentachlorophenol	17.02	266	239894	98.298	ng	99
71) Phenanthrene	17.40	178	823323	45.445	ng	99
72) Anthracene	17.49	178	855230	47.007	ng	98
73) Carbazole	17.76	167	797275	44.956	ng	99
74) Di-n-butylphthalate	18.33	149	934215	43.889	ng	99
75) Fluoranthene	19.41	202	1069055	46.392	ng	100
77) Benzidine	19.59	184	503625	44.572	ng	99
78) Pyrene	19.77	202	1054690	45.989	ng	99
80) Butylbenzylphthalate	20.66	149	436480	44.094	ng	98
81) Benzo(a)anthracene	21.60	228	1018766	45.457	ng	99
82) 3,3'-Dichlorobenzidine	21.52	252	270954	30.821	ng	100
83) Chrysene	21.67	228	977765	45.373	ng	99
84) Bis(2-ethylhexyl)phthalate	21.52	149	617193	45.358	ng	100
85) Di-n-octyl phthalate	22.71	149	1043495	44.650	ng	100
86) Indeno(1,2,3-cd)pyrene	28.36	276	1306667	46.369	ng	# 97
88) Benzo(b)fluoranthene	23.78	252	1092161	44.184	ng	100
89) Benzo(k)fluoranthene	23.85	252	1077032	46.379	ng	99
90) Benzo(a)pyrene	24.63	252	1012483	43.981	ng	98
91) Dibenzo(a,h)anthracene	28.43	278	1055383	45.621	ng	99
92) Benzo(g,h,i)perylene	29.49	276	1081187	46.730	ng	99

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

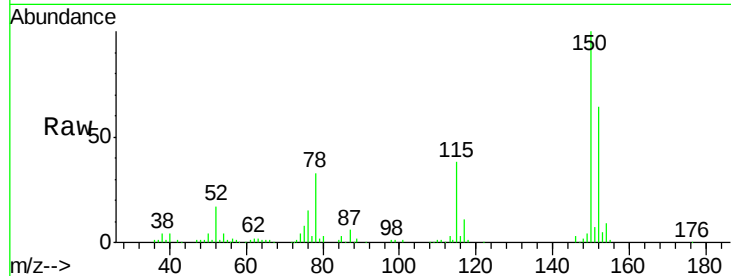


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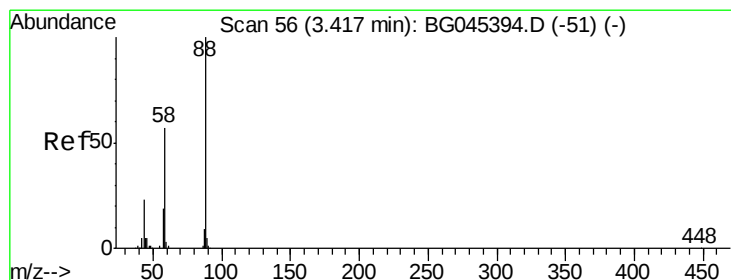
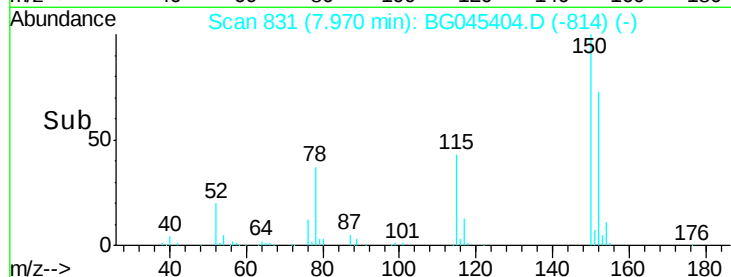
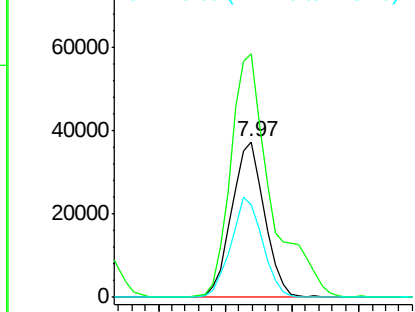
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 64022
Ion Ratio Lower Upper
152 100
150 156.3 122.4 183.6
115 59.1 44.2 66.4



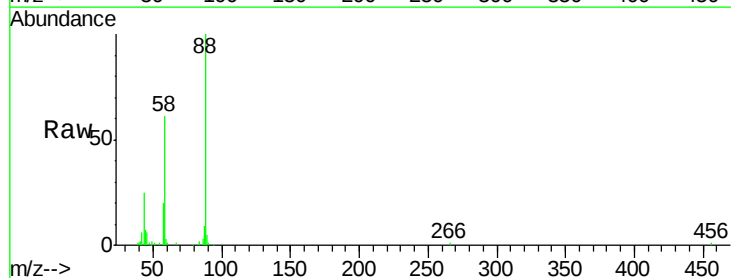
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



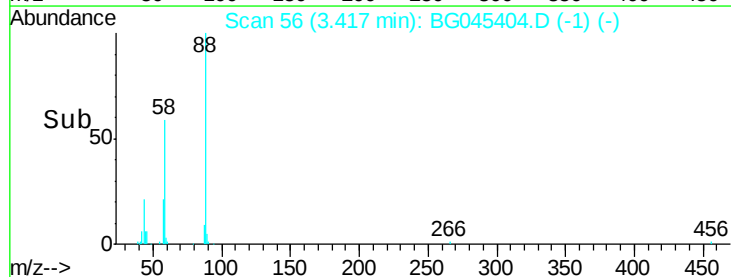
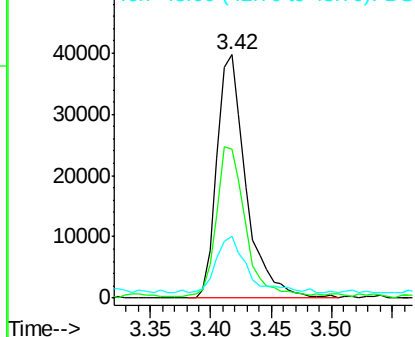
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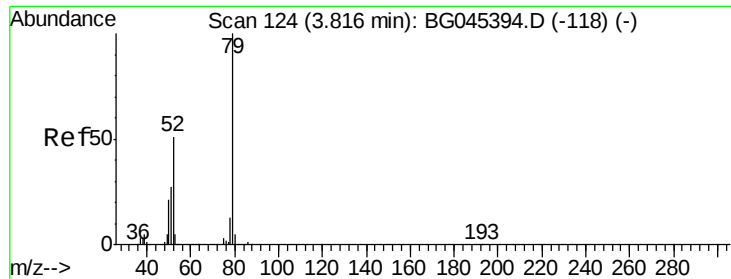
1,4-Dioxane
Concen: 40.691 ng
RT: 3.42 min Scan# 56
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion: 88 Resp: 66103
Ion Ratio Lower Upper
88 100
58 59.8 45.7 68.5
43 25.1 16.8 25.2



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





#3

Pvridine

Concen: 33.548 ng

RT: 3.81 min Scan# 123

Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

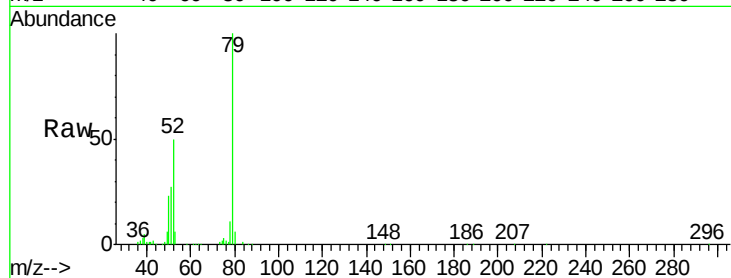
Tot Ion: 79 Resp: 151785

Ion Ratio Lower Upper

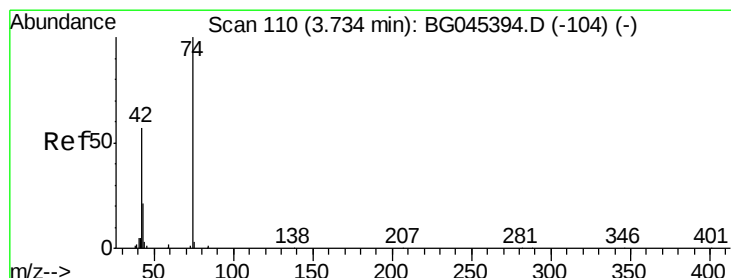
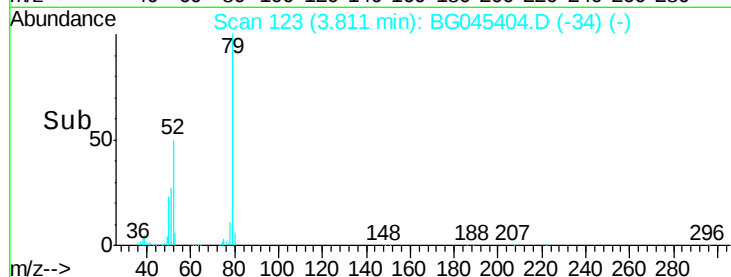
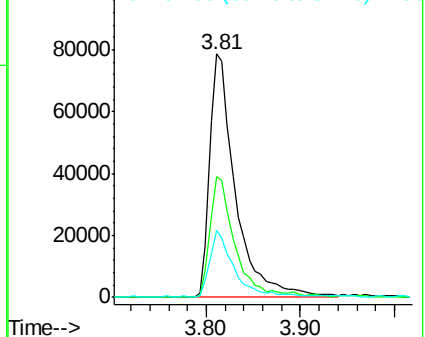
79 100

52 49.5 40.8 61.2

51 27.3 21.9 32.9



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: 45.794 ng

RT: 3.73 min Scan# 109

Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

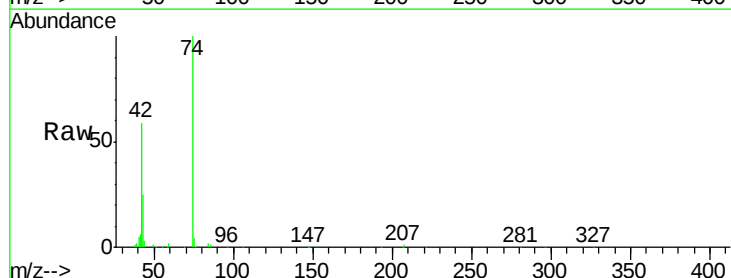
Tgt Ion: 42 Resp: 67798

Ion Ratio Lower Upper

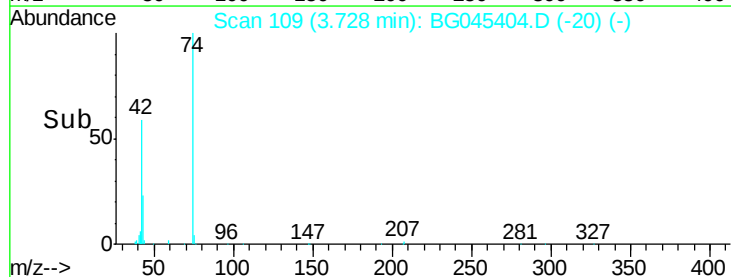
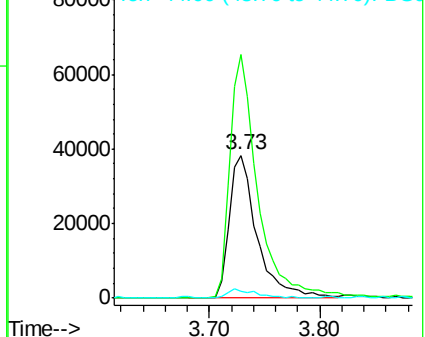
42 100

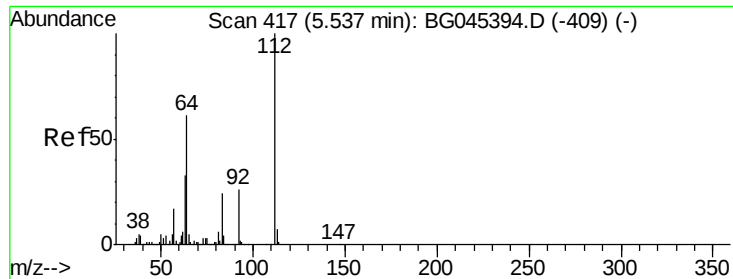
74 170.4 141.3 211.9

44 4.5 4.2 6.4



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: 147.538 ng

RT: 5.54 min Scan# 417

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

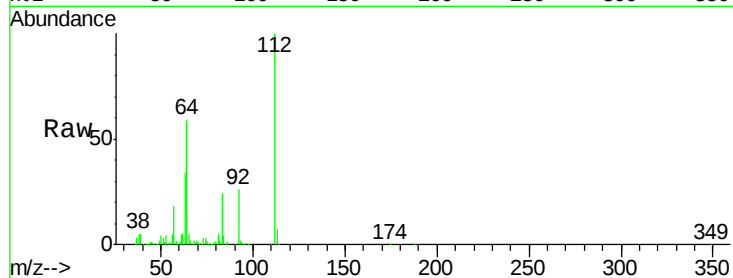
Tot Ion:112 Resp: 483330

Ion Ratio Lower Upper

112 100

64 58.8 48.6 72.8

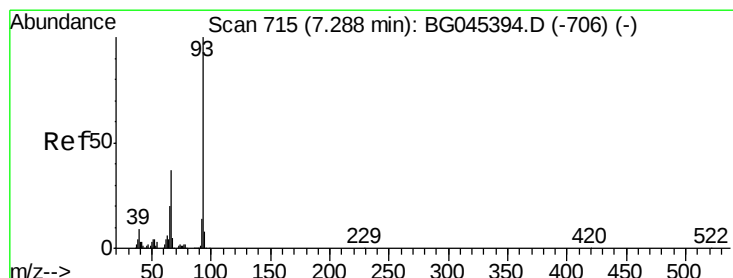
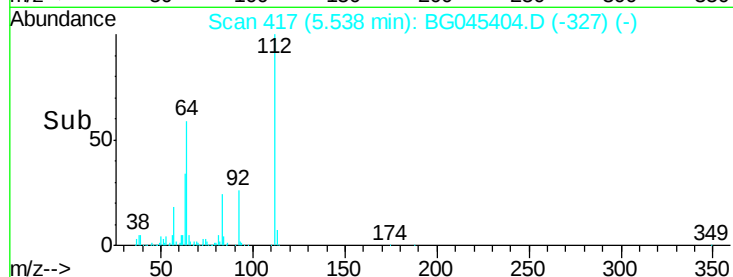
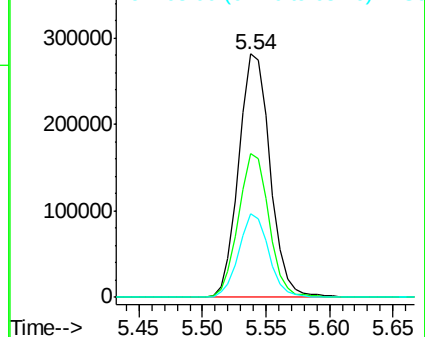
63 34.2 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 37.205 ng

RT: 7.29 min Scan# 715

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

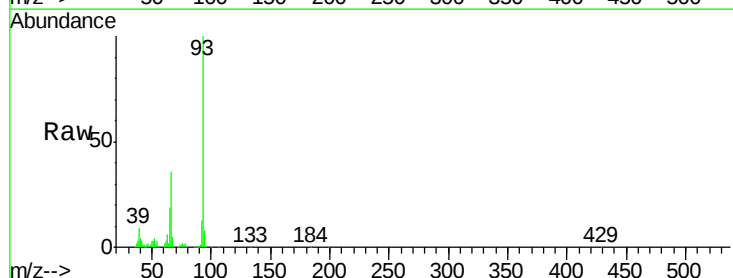
Tgt Ion: 93 Resp: 226458

Ion Ratio Lower Upper

93 100

66 36.1 29.6 44.4

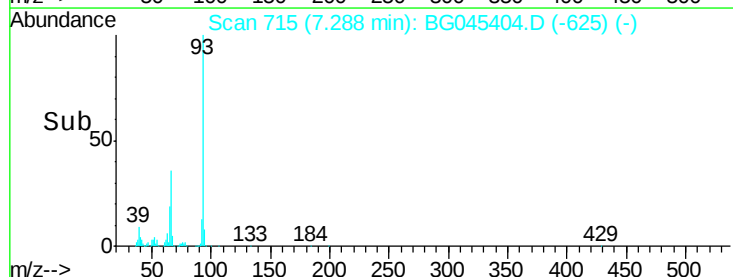
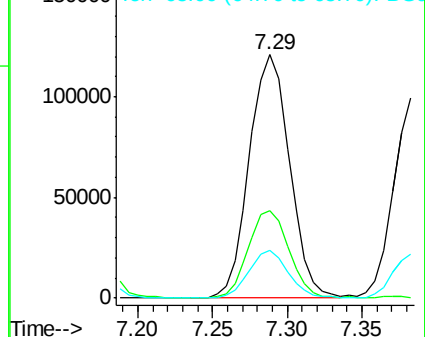
65 19.4 15.9 23.9

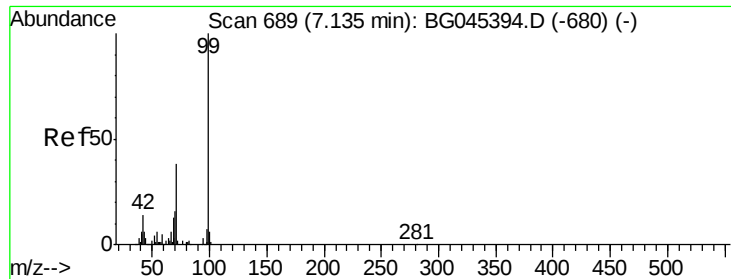


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 144.407 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

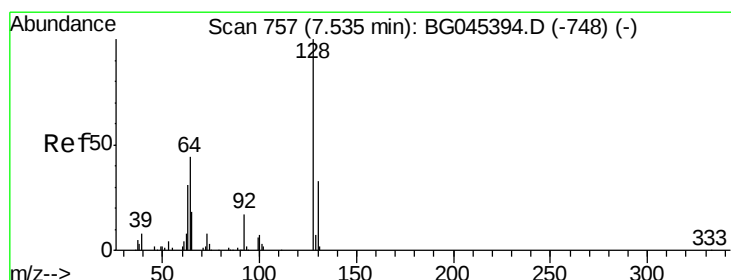
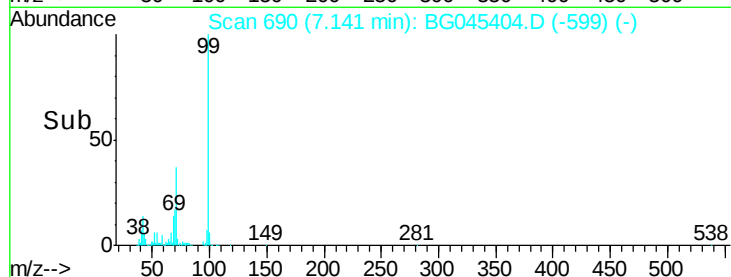
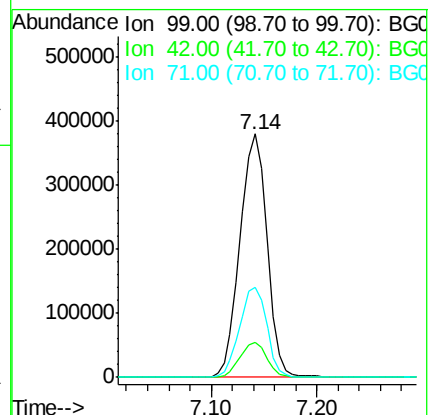
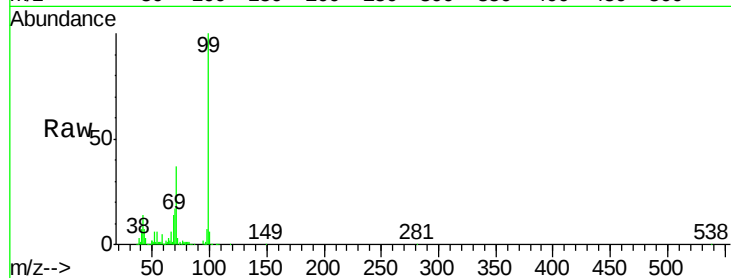
Tot Ion: 99 Resp: 673323

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 37.1 30.8 46.2



#8

2-Chlorophenol

Concen: 49.025 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

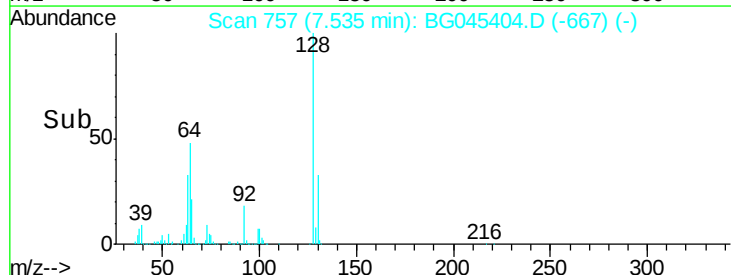
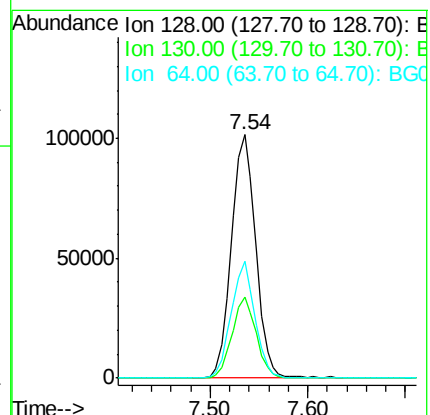
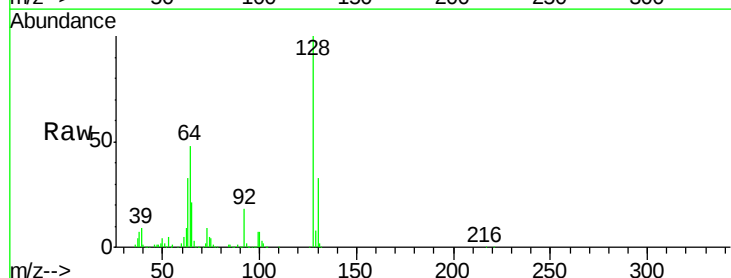
Tgt Ion: 128 Resp: 176124

Ion Ratio Lower Upper

128 100

130 33.5 12.6 52.6

64 48.0 27.0 67.0





#9

Benzaldehyde

Concen: 43.244 ng

RT: 7.09 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

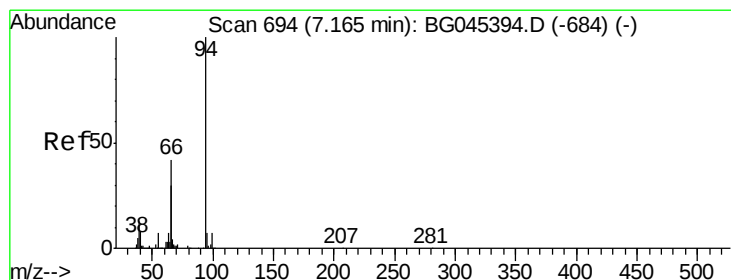
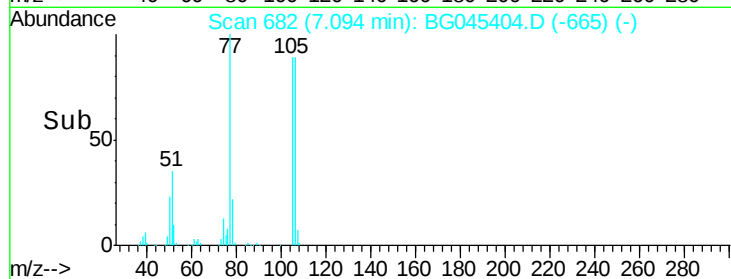
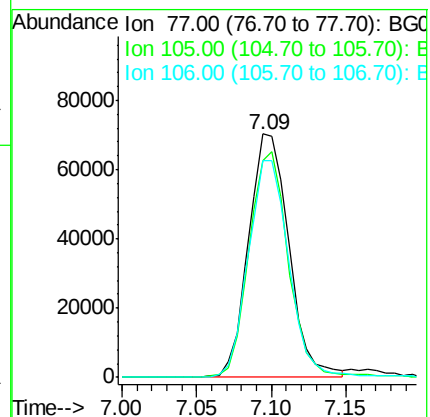
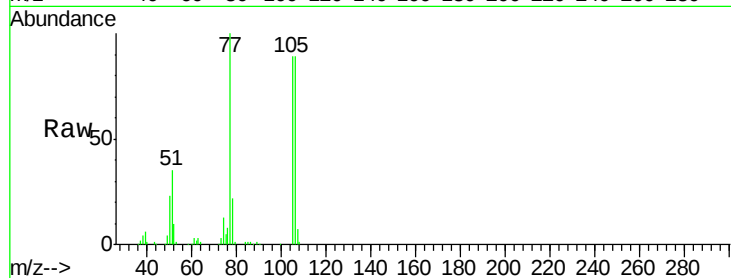
Tot Ion: 77 Resp: 131370

Ion Ratio Lower Upper

77 100

105 89.0 68.5 108.5

106 89.3 71.6 111.6



#10

Phenol

Concen: 49.153 ng

RT: 7.16 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

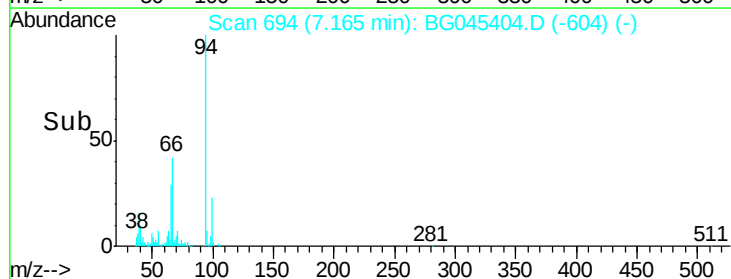
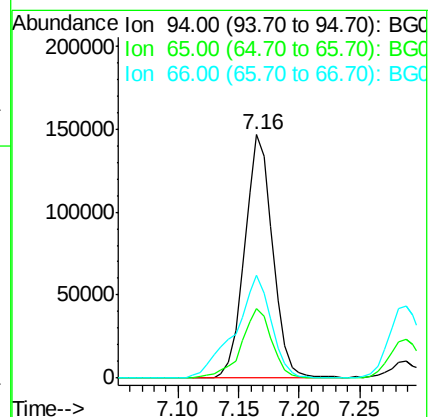
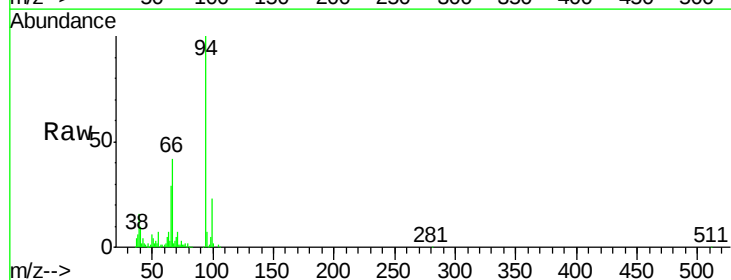
Tgt Ion: 94 Resp: 236208

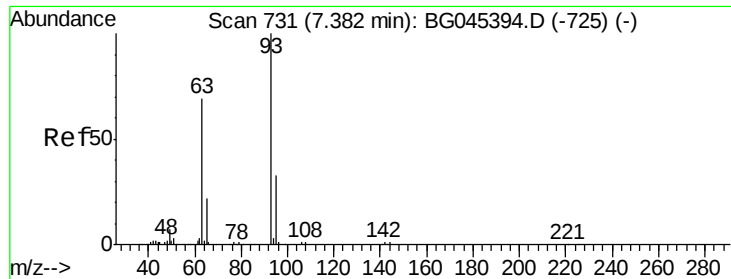
Ion Ratio Lower Upper

94 100

65 28.6 9.8 49.8

66 42.4 22.0 62.0

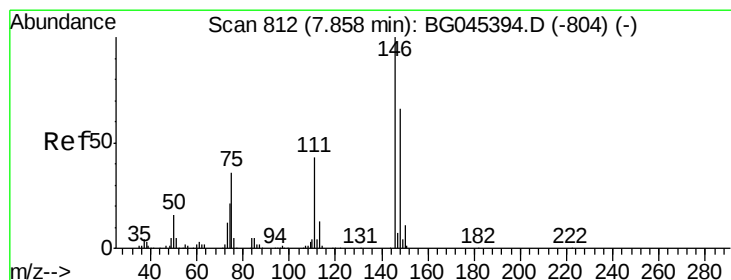
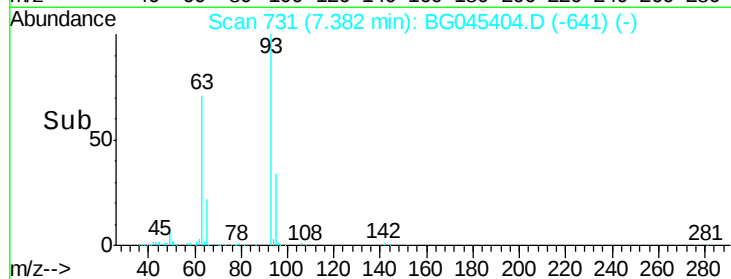
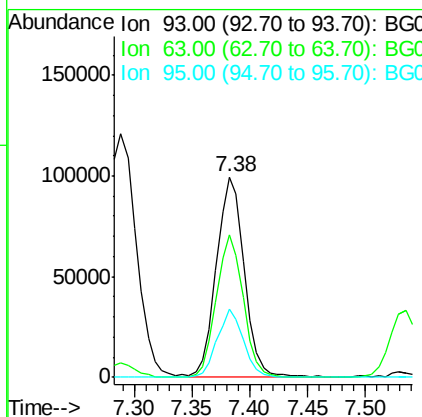
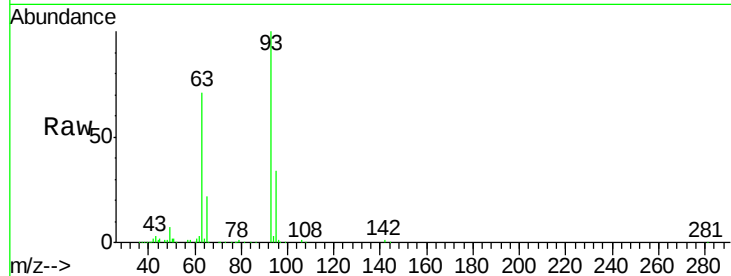




#11
bis(2-Chloroethyl)ether
Concen: 44.603 ng
RT: 7.38 min Scan# 731
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

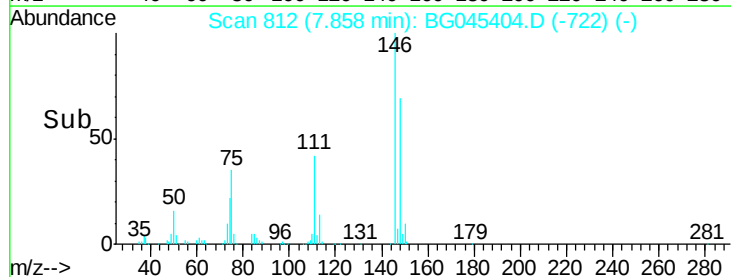
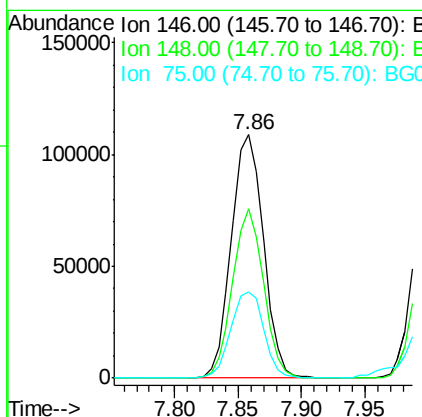
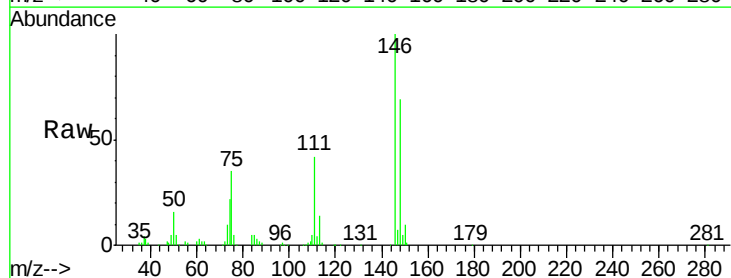
Instrument :
BNA_G
ClientSampleId :

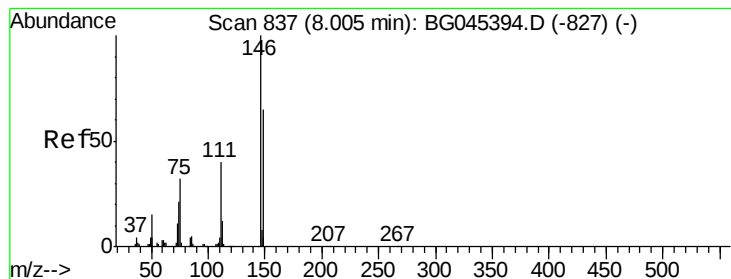
Tot Ion	Ratio	Lower	Upper
93	100		
63	70.9	48.4	88.4
95	33.9	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 44.310 ng
RT: 7.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.3	53.2	79.8
75	35.2	28.6	43.0





#13

1,4-Dichlorobenzene

Concen: 45.494 ng

RT: 8.00 min Scan# 837

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

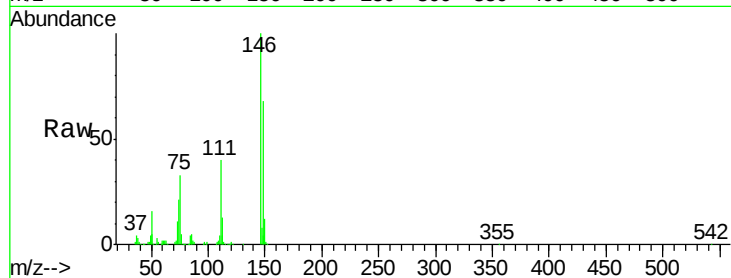
Tot Ion:146 Resp: 193826

Ion Ratio Lower Upper

146 100

148 67.8 51.8 77.8

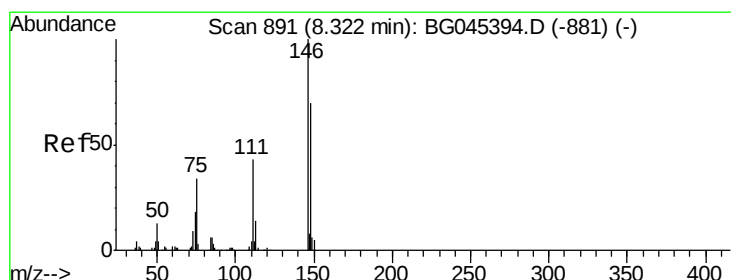
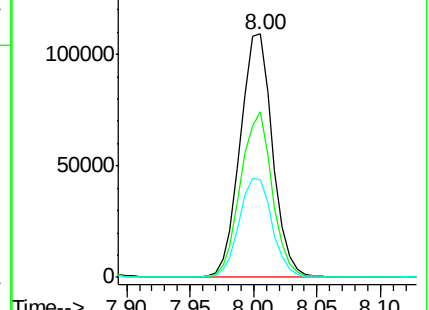
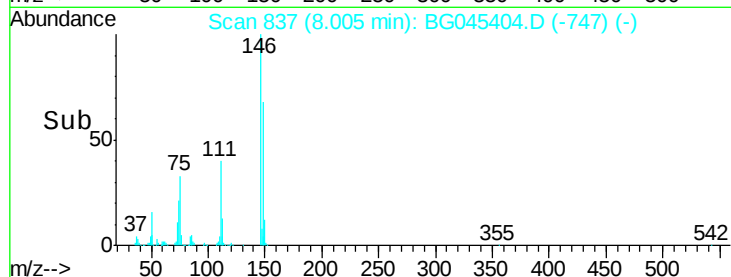
111 40.1 32.1 48.1



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: 44.069 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

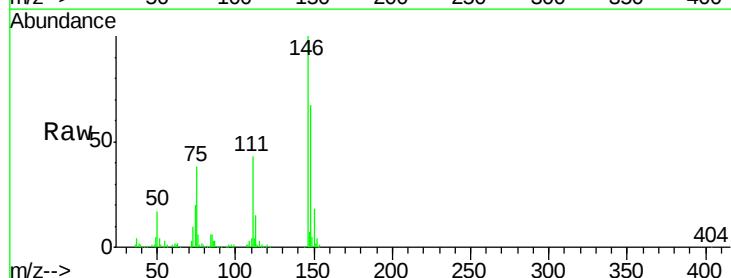
Tgt Ion:146 Resp: 180583

Ion Ratio Lower Upper

146 100

148 67.5 55.9 83.9

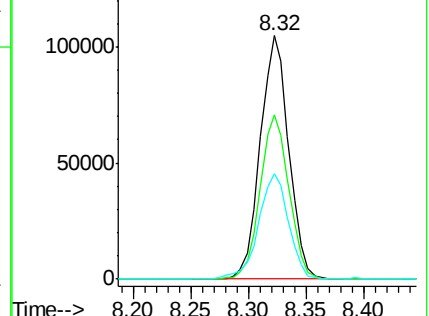
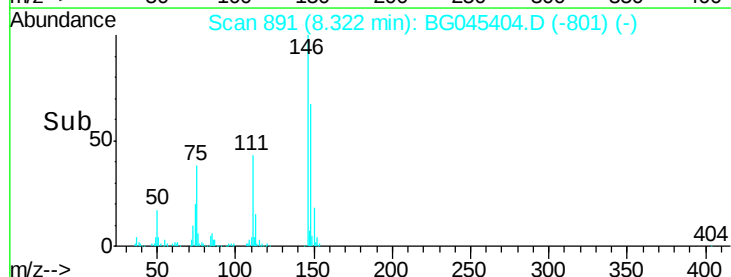
111 43.2 35.0 52.4



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: 47.086 ng

RT: 8.20 min Scan# 871

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

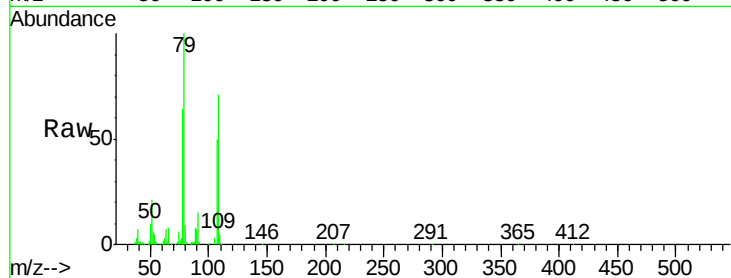
Tot Ion: 79 Resp: 181366

Ion Ratio Lower Upper

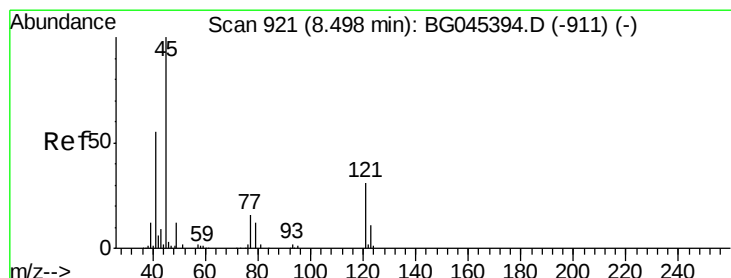
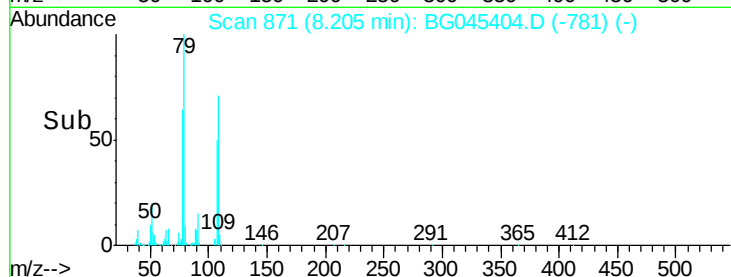
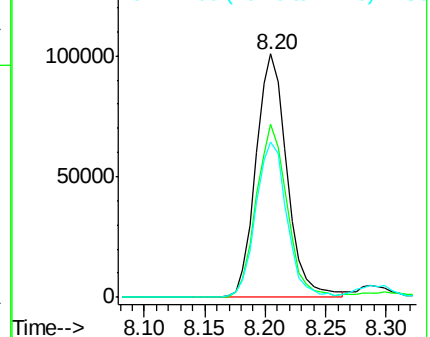
79 100

108 71.0 58.2 87.4

77 63.7 51.0 76.4



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.370 ng

RT: 8.49 min Scan# 920

Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

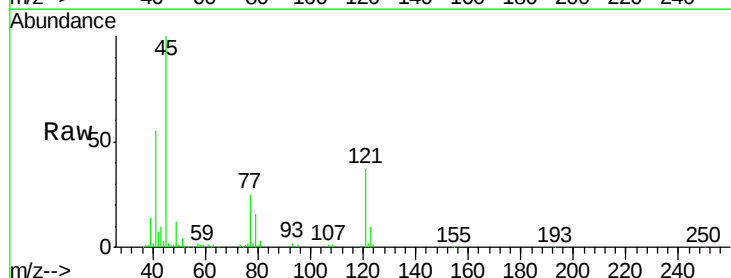
Tgt Ion: 45 Resp: 154310

Ion Ratio Lower Upper

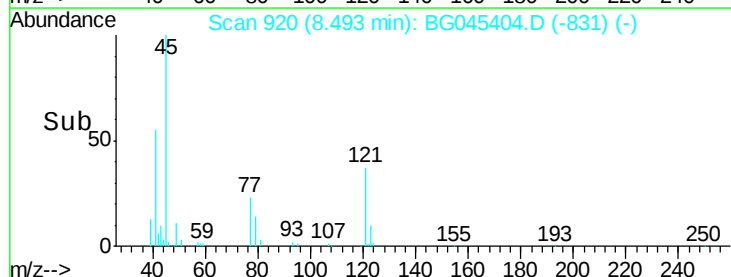
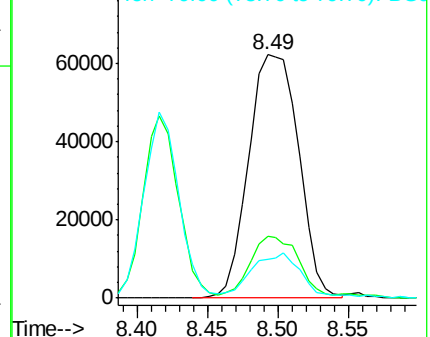
45 100

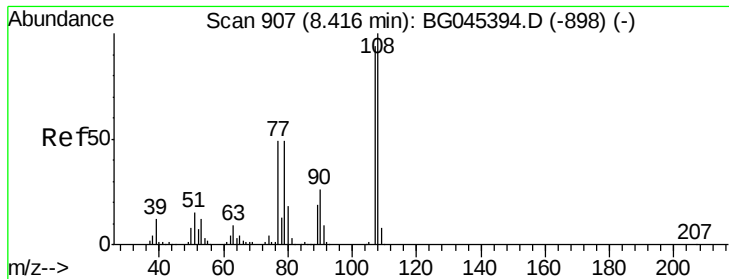
77 25.4 4.0 44.0

79 15.8 0.0 38.6



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 44.091 ng

RT: 8.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

Tot Ion:107 Resp: 158592

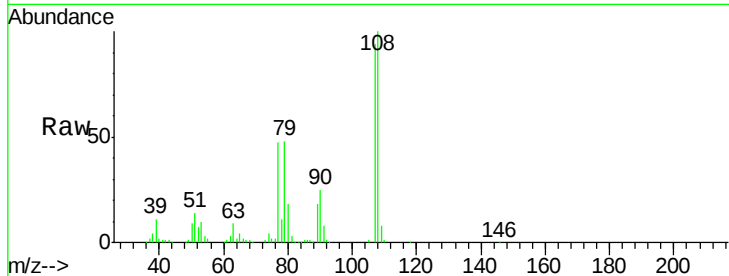
Ion Ratio Lower Upper

107 100

108 106.4 85.2 127.8

77 50.3 41.6 62.4

79 51.4 41.8 62.8

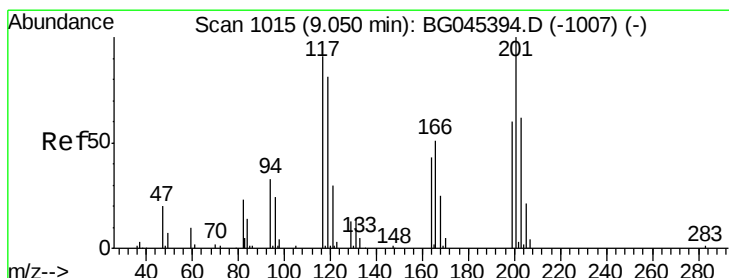
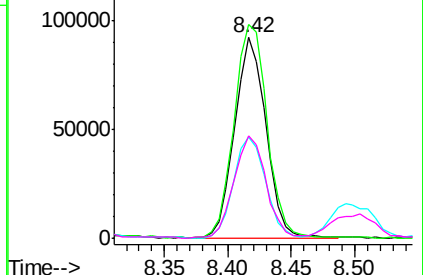
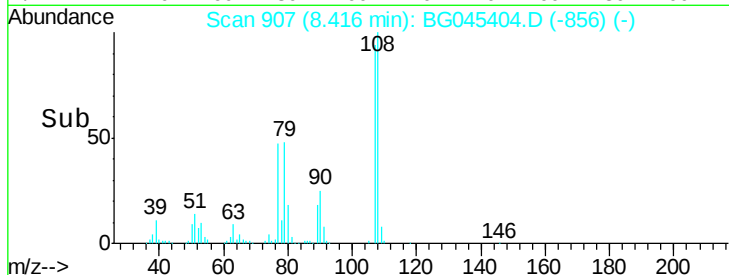


Abundance Ion 107.00 (106.70 to 107.70): E

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: 46.594 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

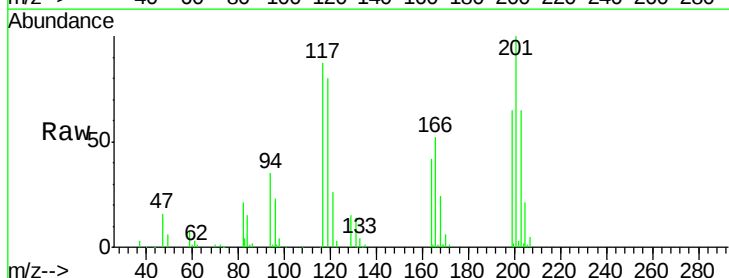
Tgt Ion:117 Resp: 76030

Ion Ratio Lower Upper

117 100

119 92.2 71.3 106.9

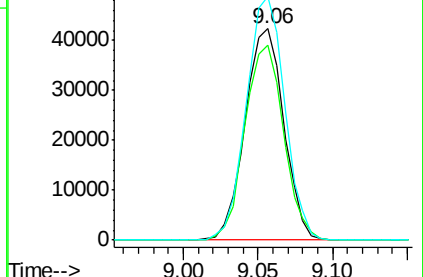
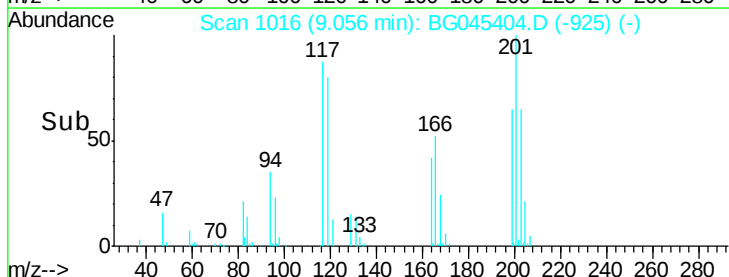
201 115.3 87.5 131.3

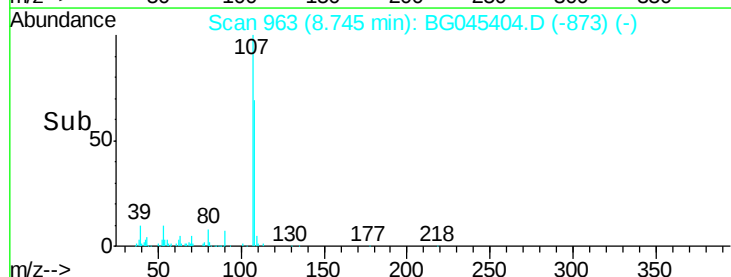
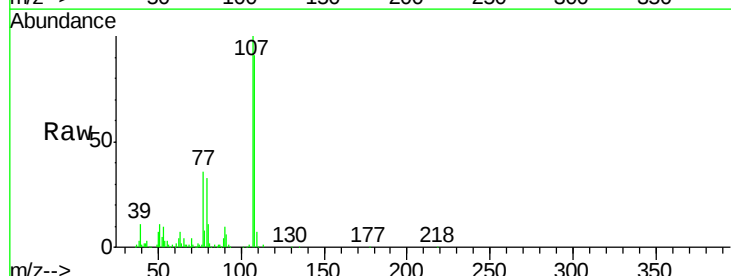
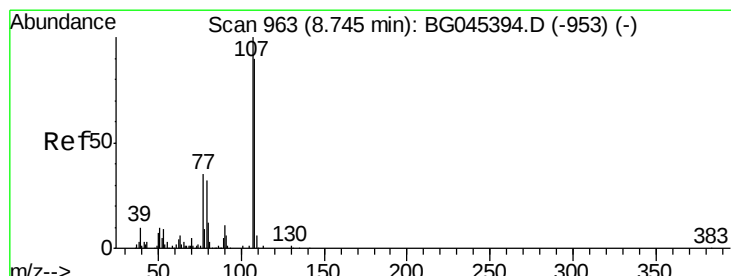
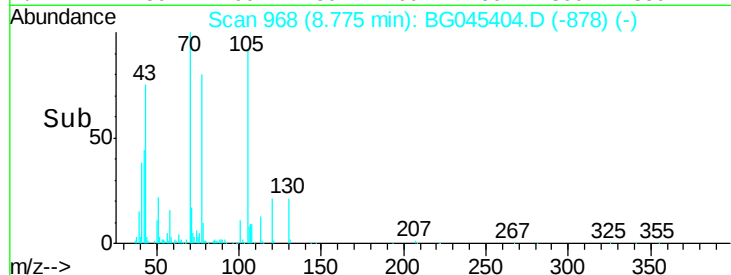
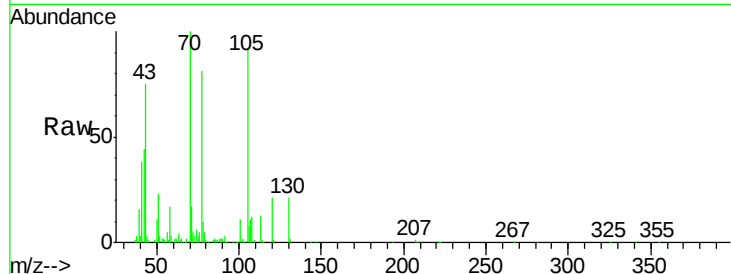


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

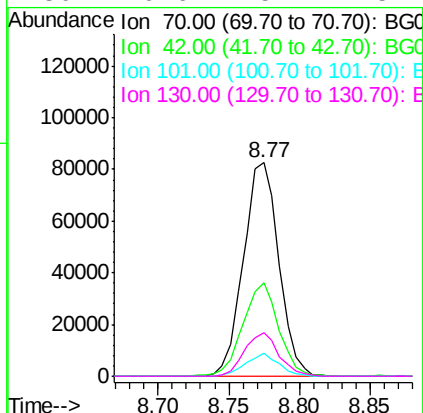




#19
n-Nitroso-di-n-propylamine
Concen: 45.189 ng
RT: 8.77 min Scan# 968
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

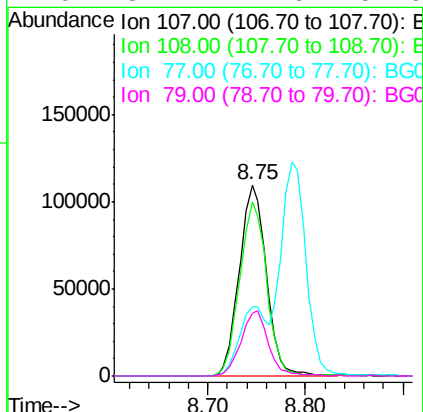
Instrument :
BNA_G
ClientSampleId :

Tot Ion:	70	Resp:	145702
Ion	Ratio	Lower	Upper
70	100		
42	43.9	33.2	49.8
101	10.5	7.8	11.6
130	20.6	15.4	23.2



#20
3+4-Methylphenols
Concen: 43.524 ng
RT: 8.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:	107	Resp:	213181
Ion	Ratio	Lower	Upper
107	100		
108	90.9	70.3	110.3
77	35.9	15.4	55.4
79	32.7	12.6	52.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 253107

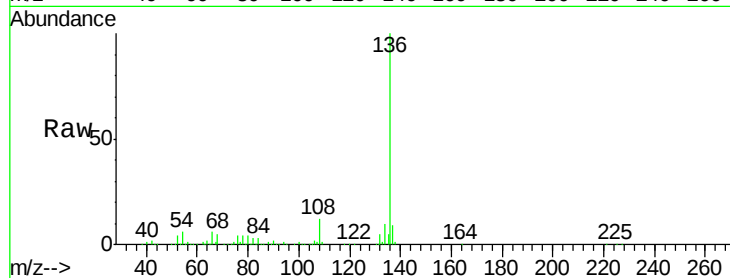
Ion Ratio Lower Upper

136 100

137 9.1 9.4 14.2#

54 6.1 5.8 8.6

68 5.4 4.5 6.7

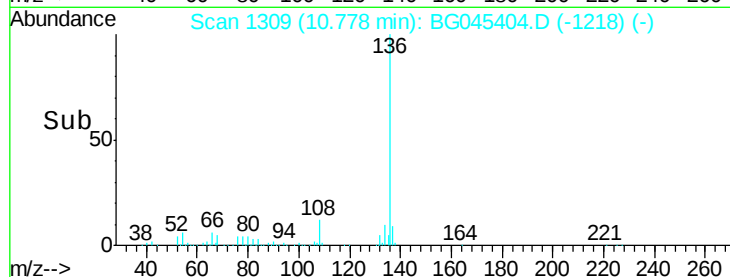


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

10.78

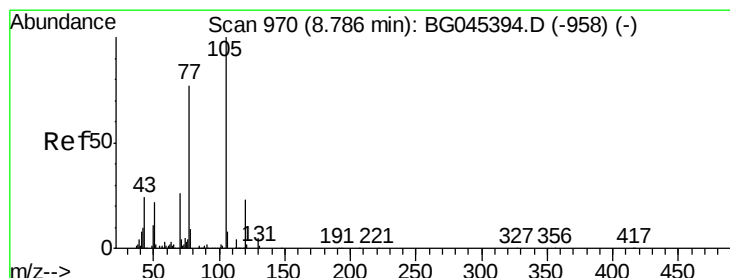
150000

100000

50000

0

10.70 10.80



#22

Acetophenone

Concen: 44.278 ng

RT: 8.79 min Scan# 970

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:105 Resp: 265619

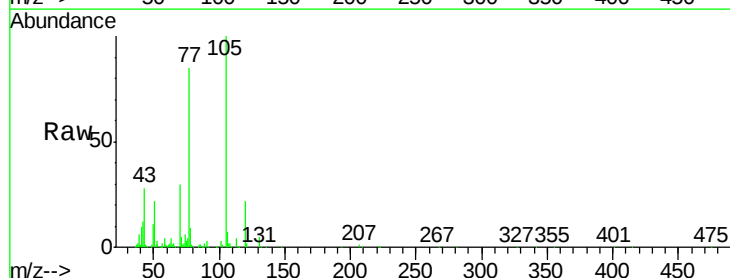
Ion Ratio Lower Upper

105 100

71 4.8 3.4 5.0

51 22.2 18.2 27.2

120 21.8 18.6 27.8

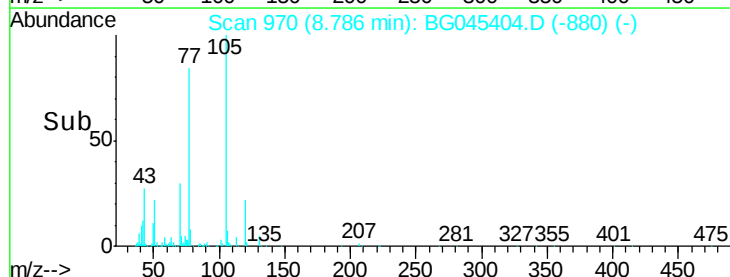


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



Time-->

8.79

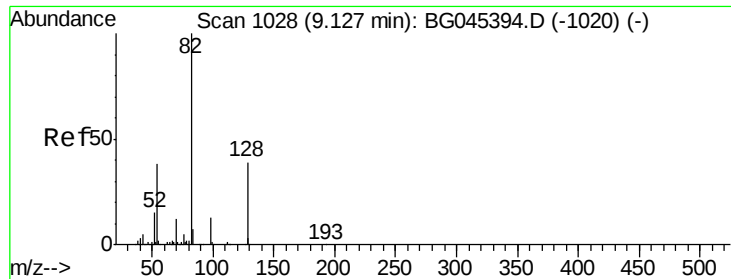
150000

100000

50000

0

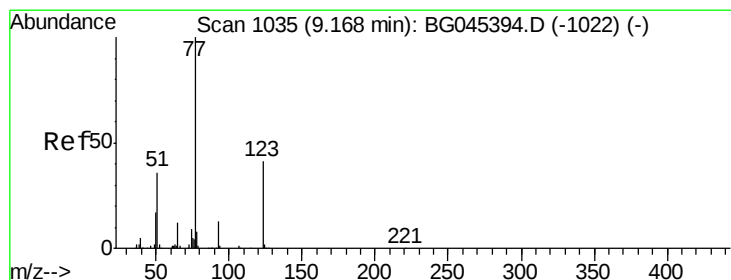
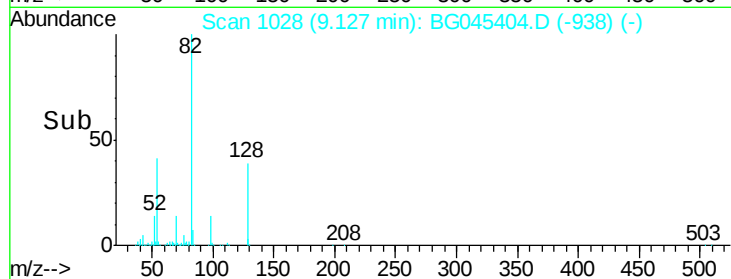
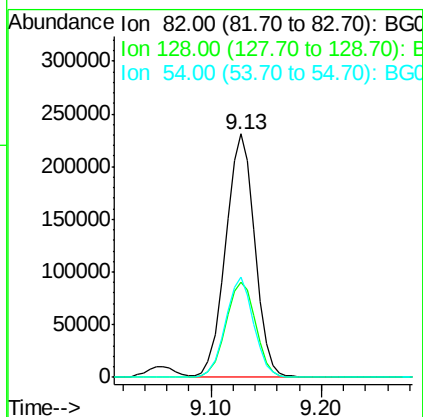
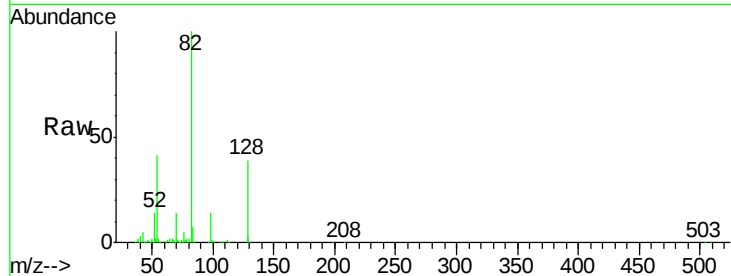
8.70 8.80 8.90



#23
 Nitrobenzene-d5
 Concen: 91.481 ng
 RT: 9.13 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

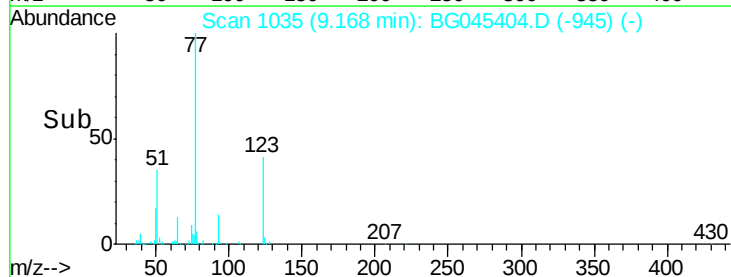
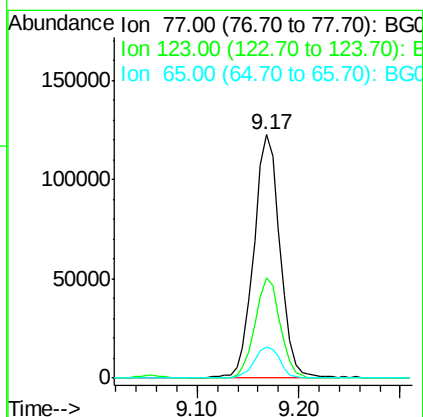
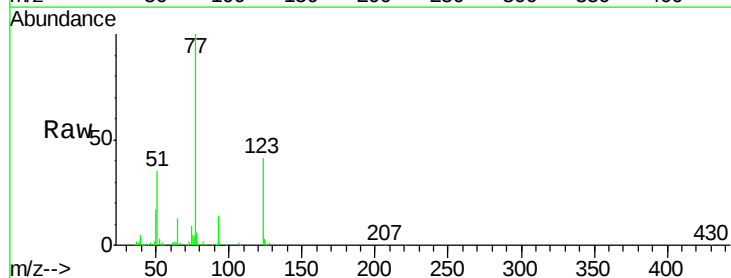
Instrument :
 BNA_G
 ClientSampleId :

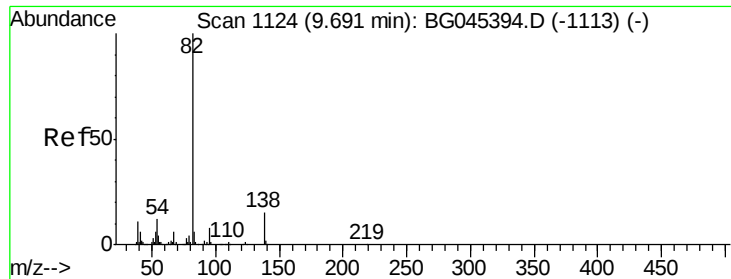
Tot Ion	82	Resp	424605
Ion Ratio	Lower	Upper	
82	100		
128	39.1	30.9	46.3
54	41.0	30.3	45.5



#24
 Nitrobenzene
 Concen: 44.483 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

Tgt Ion	77	Resp	221206
Ion Ratio	Lower	Upper	
77	100		
123	41.2	32.9	49.3
65	13.0	9.4	14.2





#25

Isophorone

Concen: 44.194 ng

RT: 9.70 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

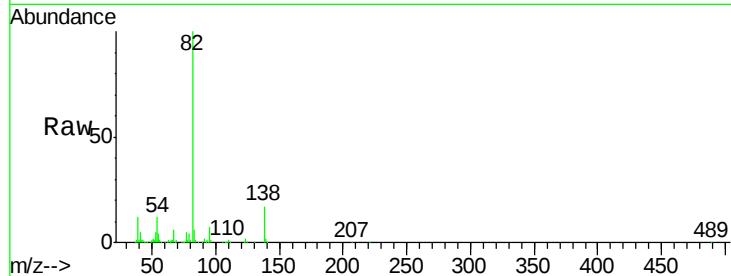
Tot Ion: 82 Resp: 403974

Ion Ratio Lower Upper

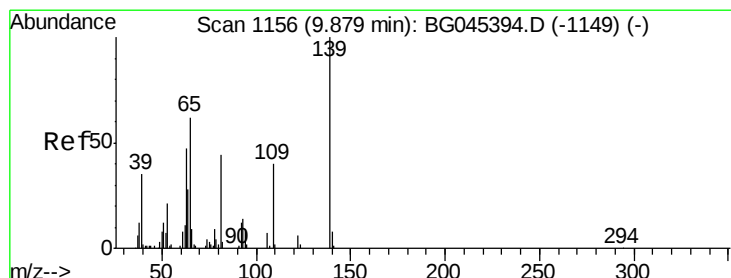
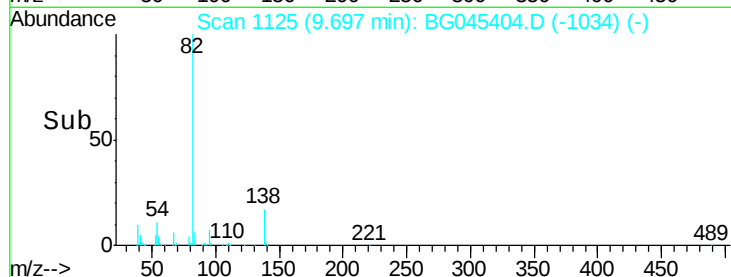
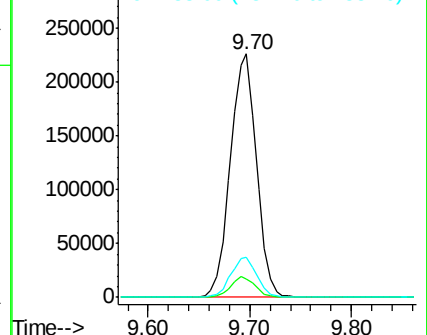
82 100

95 7.3 6.7 10.1

138 16.6 12.2 18.4



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: 47.009 ng

RT: 9.88 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

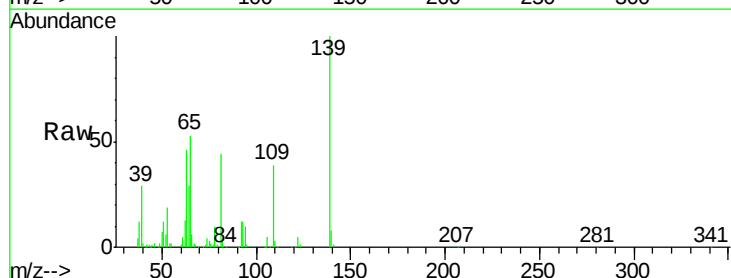
Tgt Ion: 139 Resp: 100003

Ion Ratio Lower Upper

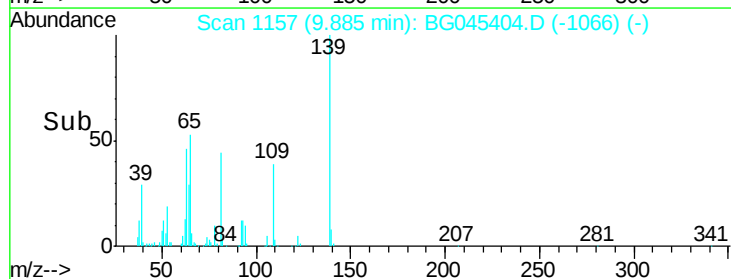
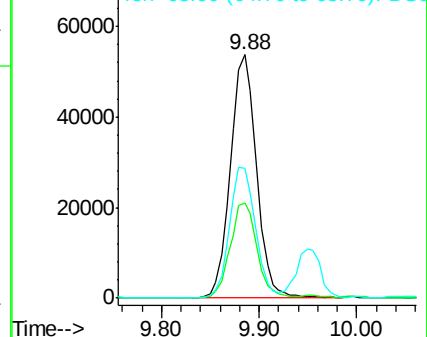
139 100

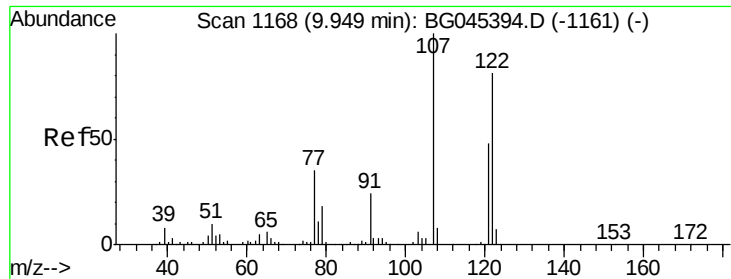
109 38.9 32.2 48.4

65 53.3 49.6 74.4



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

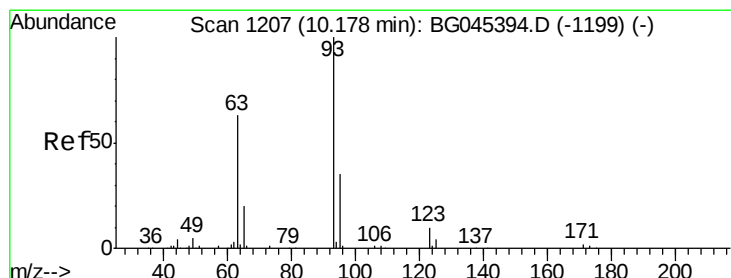
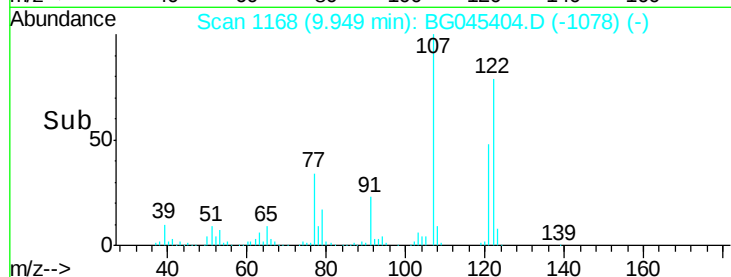
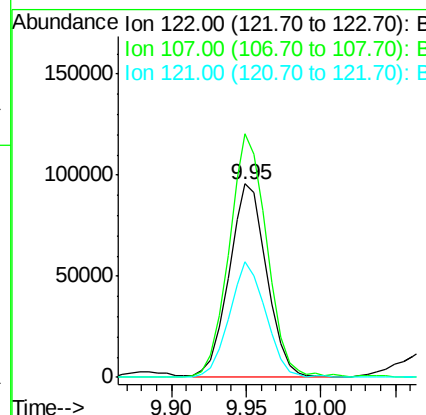
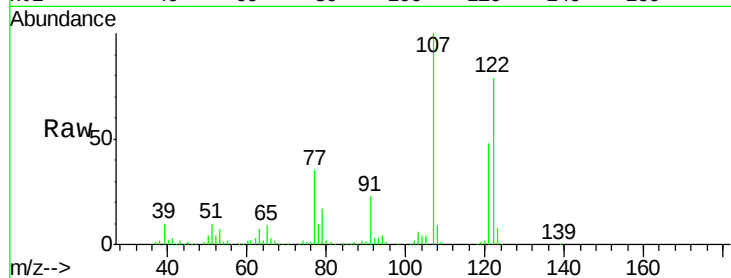




#27
2,4-Dimethylphenol
Concen: 53.015 ng
RT: 9.95 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

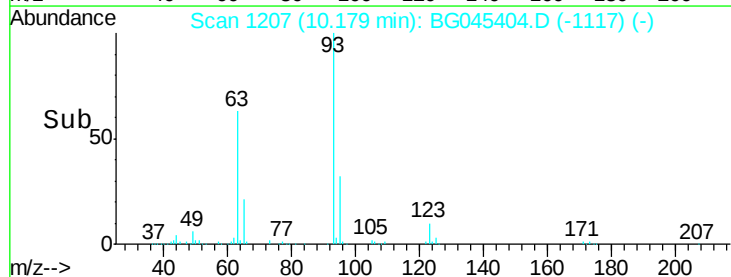
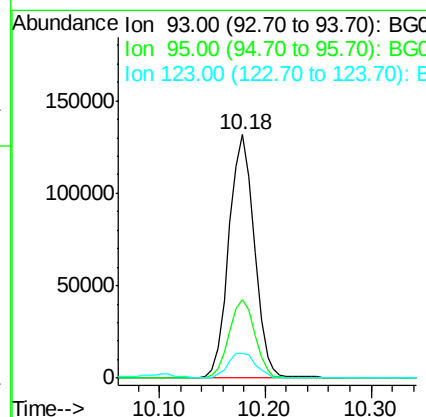
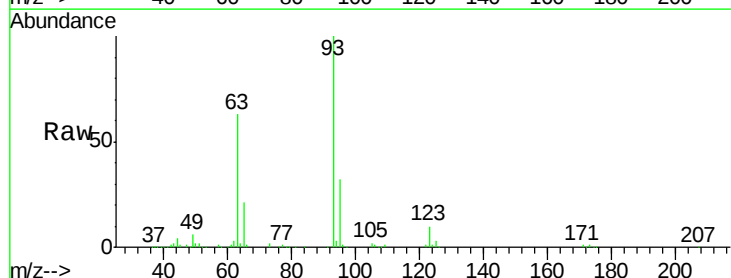
Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 167269
Ion Ratio Lower Upper
122 100
107 126.0 99.0 148.4
121 60.0 47.7 71.5



#28
bis(2-Chloroethoxy)methane
Concen: 46.106 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion: 93 Resp: 221023
Ion Ratio Lower Upper
93 100
95 32.1 27.6 41.4
123 10.1 8.1 12.1

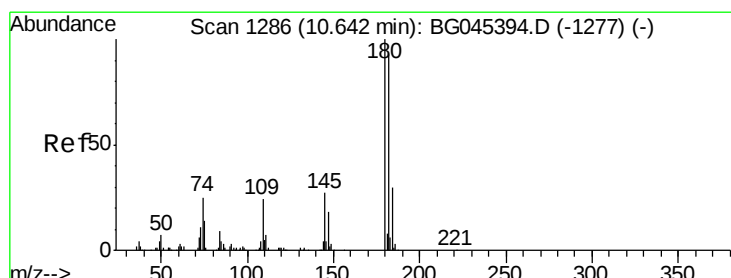
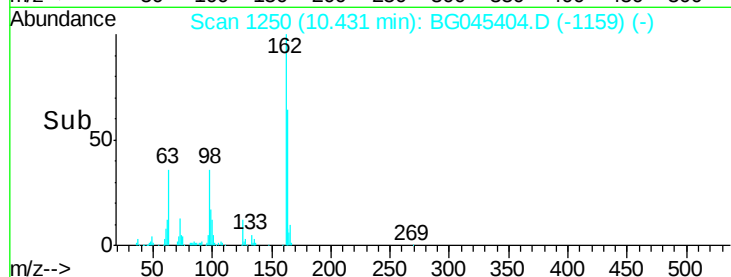
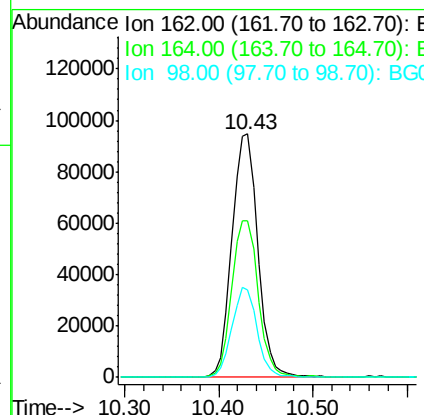
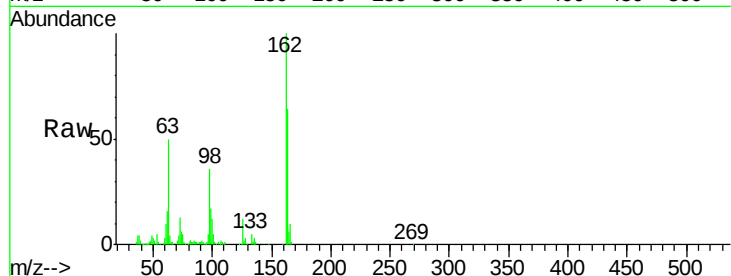




#29
 2,4-Dichlorophenol
 Concen: 48.934 ng
 RT: 10.43 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

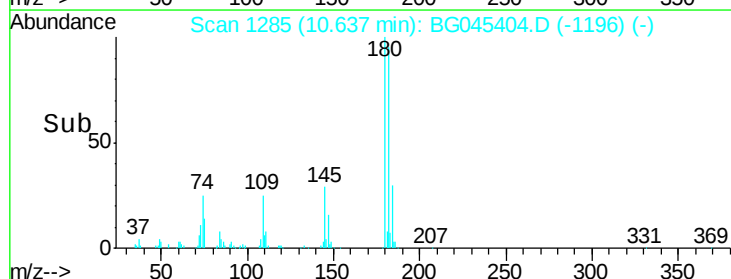
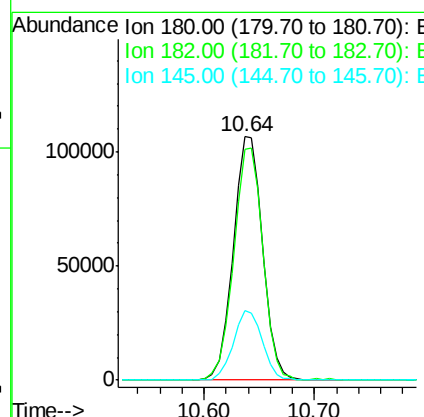
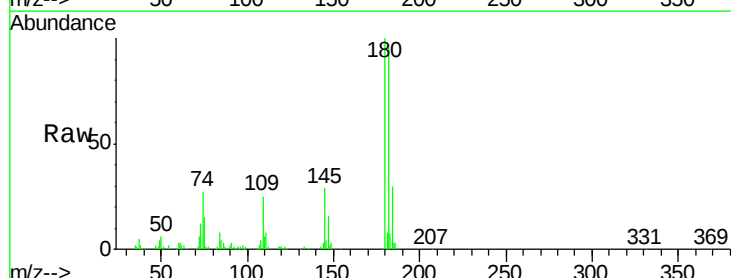
Instrument :
 BNA_G
 ClientSampleId :

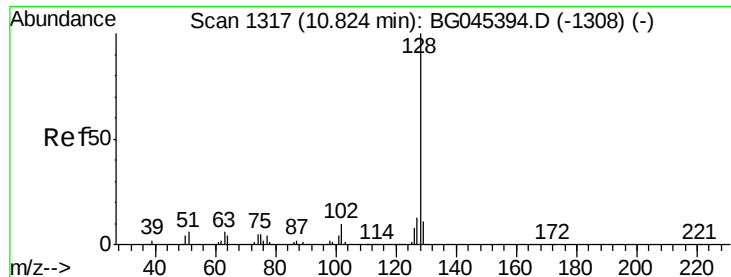
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	46.8	86.8
98	35.8	15.2	55.2



#30
 1,2,4-Trichlorobenzene
 Concen: 45.033 ng
 RT: 10.64 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.8	112.2
145	28.7	21.9	32.9

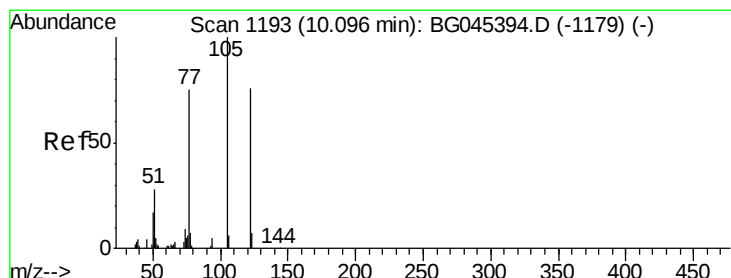
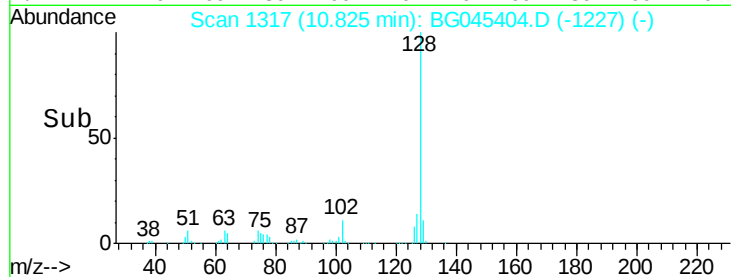
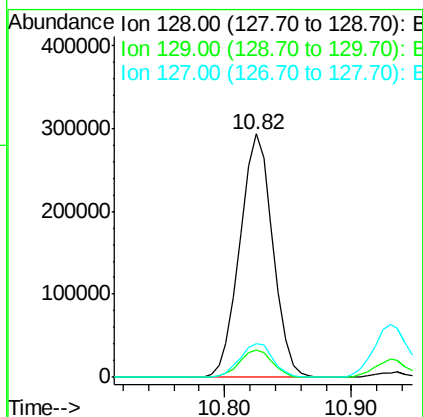
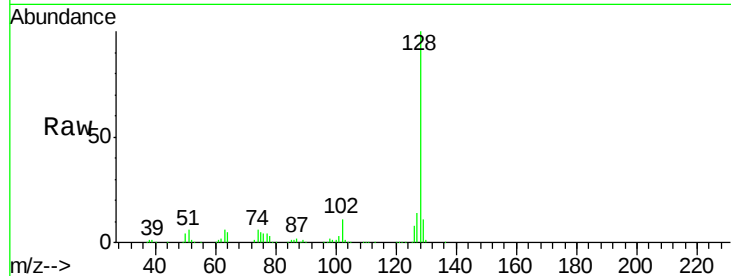




#31
Naphthalene
Concen: 44.871 ng
RT: 10.82 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

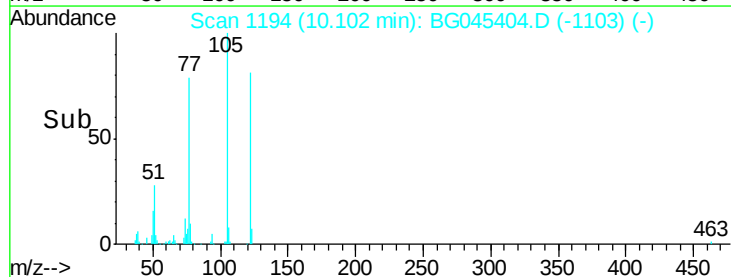
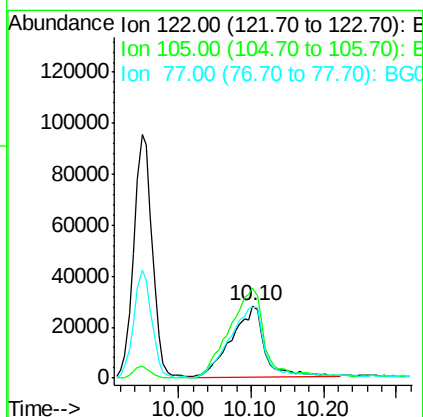
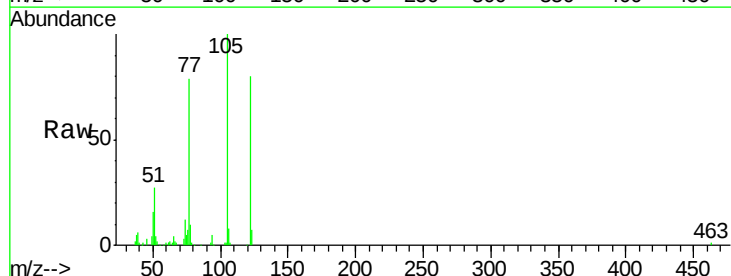
Instrument :
BNA_G
ClientSampleId :

Tot Ion:128	Resp:	529239
Ion	Ratio	Lower Upper
128	100	
129	11.4	9.0 13.6
127	13.9	10.7 16.1



#32
Benzoic acid
Concen: 42.862 ng
RT: 10.10 min Scan# 1194
Delta R.T. 0.01 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:122	Resp:	89065
Ion	Ratio	Lower Upper
122	100	
105	124.5	107.9 147.9
77	98.3	78.9 118.9

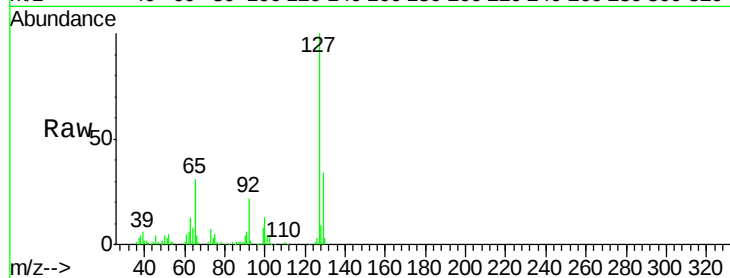




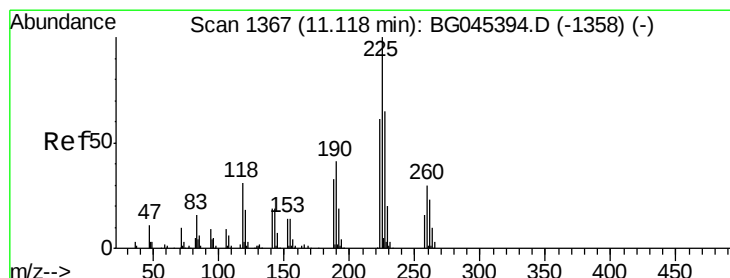
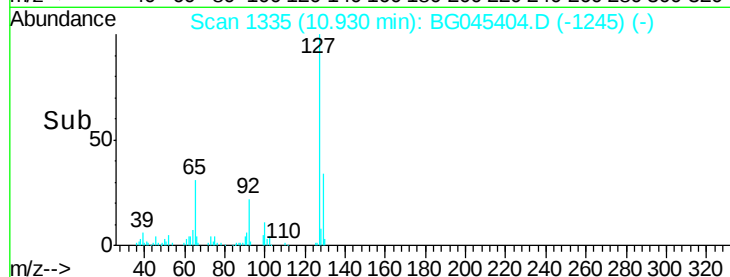
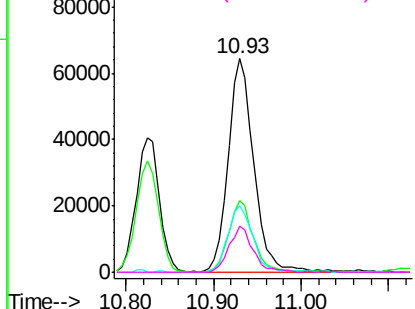
#33
4-Chloroaniline
Concen: 26.030 ng
RT: 10.93 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127	Resp:	128332
Ion Ratio	Lower	Upper
127	100	
129	33.7	24.7 37.1
65	31.1	26.2 39.2
92	21.7	17.9 26.9

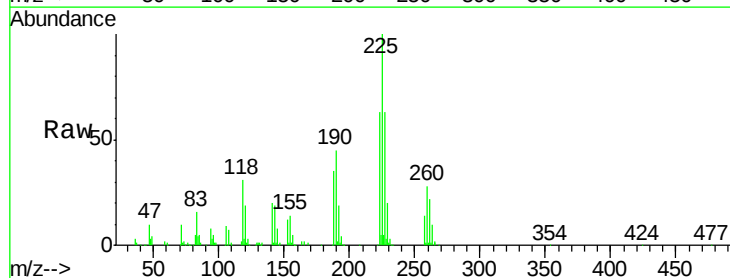


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

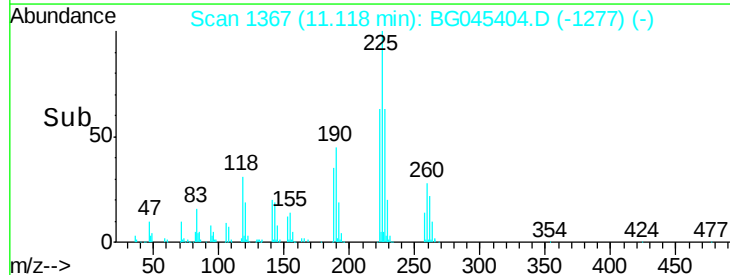
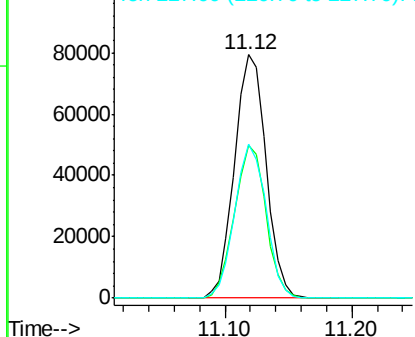


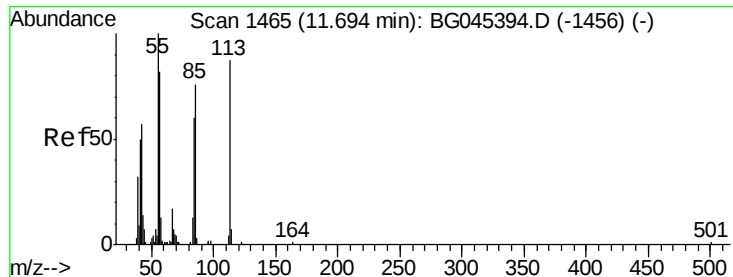
#34
Hexachlorobutadiene
Concen: 43.938 ng
RT: 11.12 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:225	Resp:	136738
Ion Ratio	Lower	Upper
225	100	
223	62.7	49.1 73.7
227	63.1	52.0 78.0



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: 23.381 ng

RT: 11.69 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

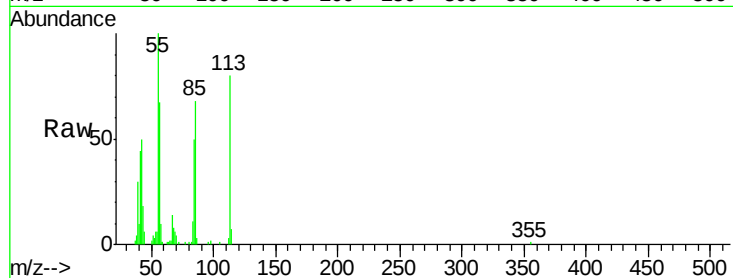
Tot Ion:113 Resp: 31975

Ion Ratio Lower Upper

113 100

55 124.9 96.0 136.0

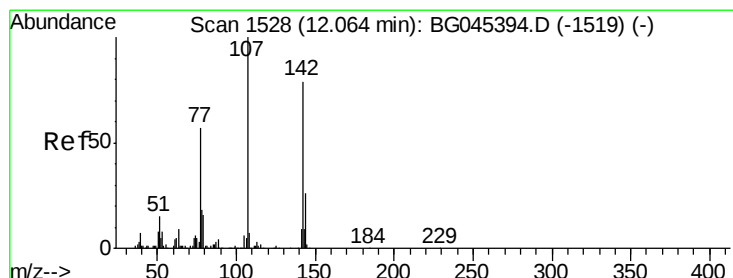
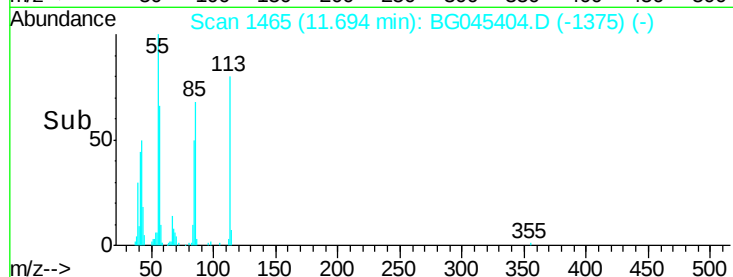
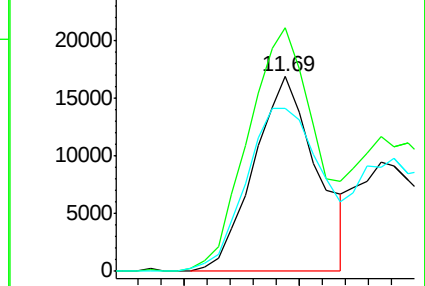
56 83.8 75.1 115.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 47.250 ng

RT: 12.06 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

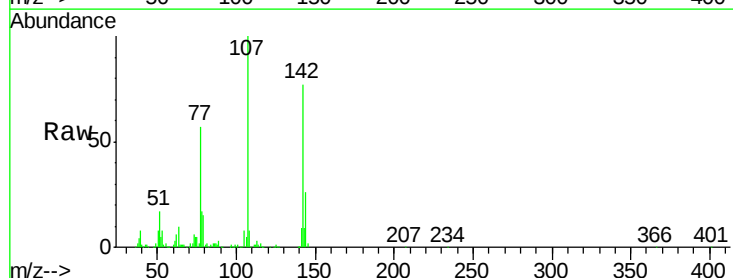
Tgt Ion:107 Resp: 198375

Ion Ratio Lower Upper

107 100

144 25.5 20.8 31.2

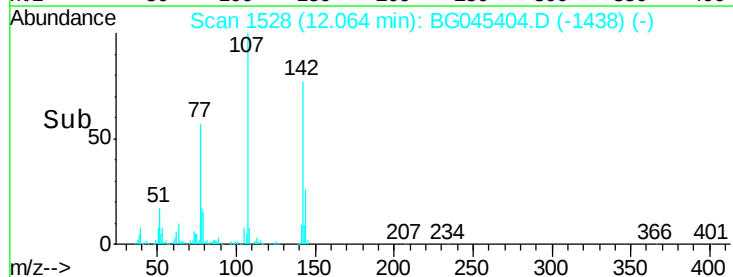
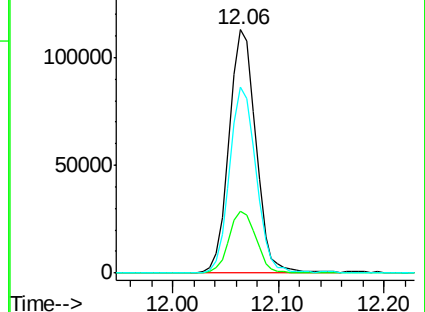
142 76.6 62.8 94.2

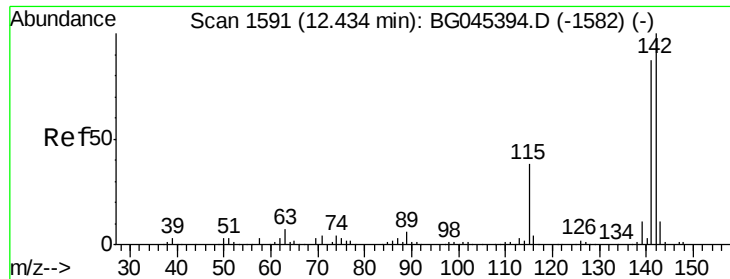


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

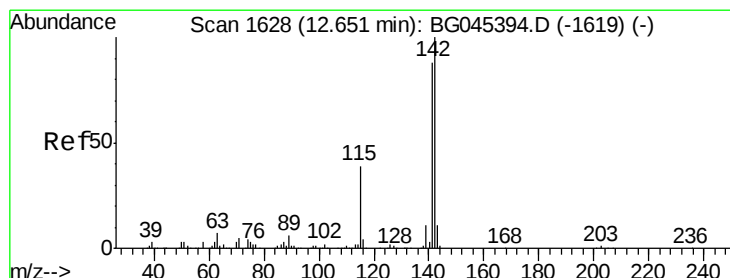
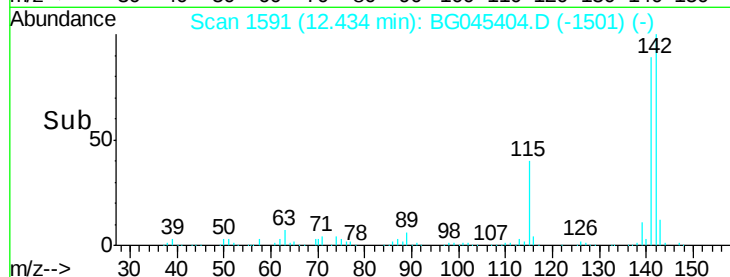
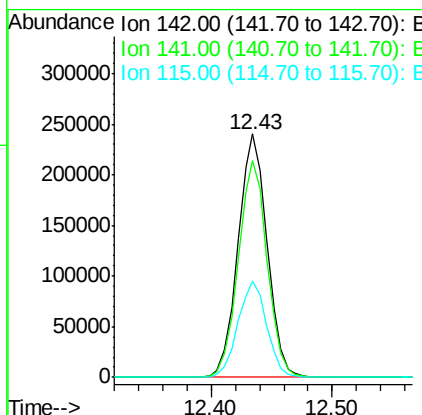
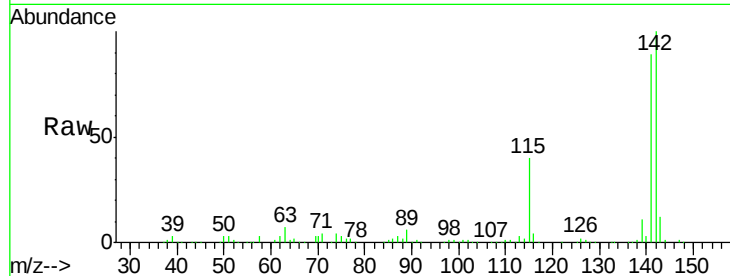




#37
2-Methylnaphthalene
Concen: 45.890 ng
RT: 12.43 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

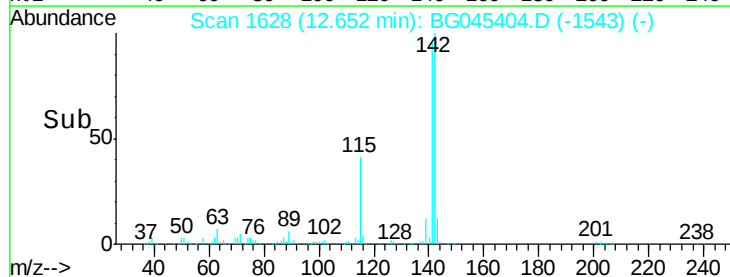
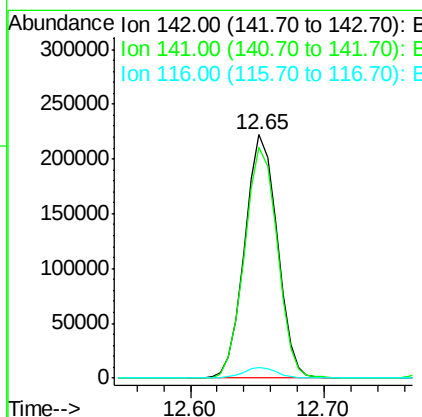
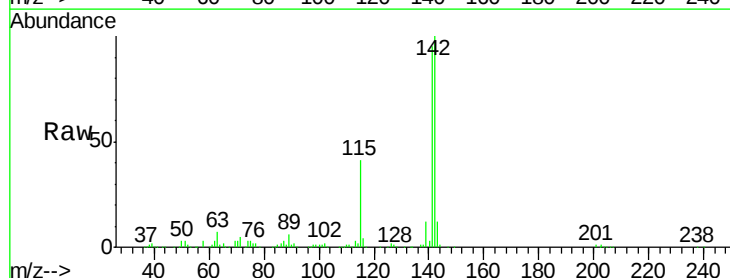
Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 403415
Ion Ratio Lower Upper
142 100
141 89.2 70.0 105.0
115 39.8 30.8 46.2



#38
1-Methylnaphthalene
Concen: 44.903 ng
RT: 12.65 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:142 Resp: 372880
Ion Ratio Lower Upper
142 100
141 94.9 70.8 106.2
116 4.4 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

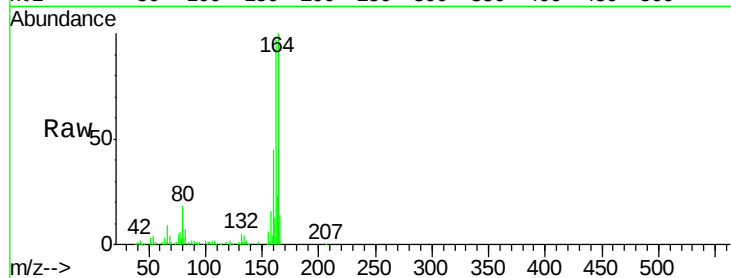
Tot Ion:164 Resp: 176522

Ion Ratio Lower Upper

164 100

162 96.8 76.9 115.3

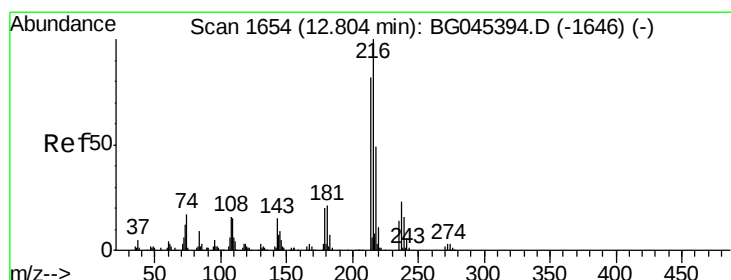
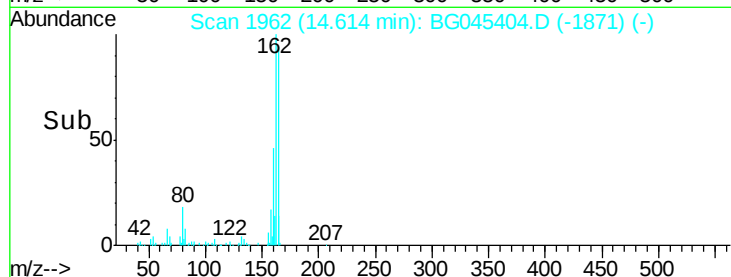
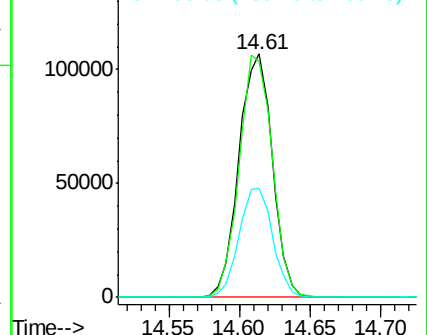
160 44.7 33.8 50.8



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: 45.696 ng

RT: 12.80 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:216 Resp: 225303

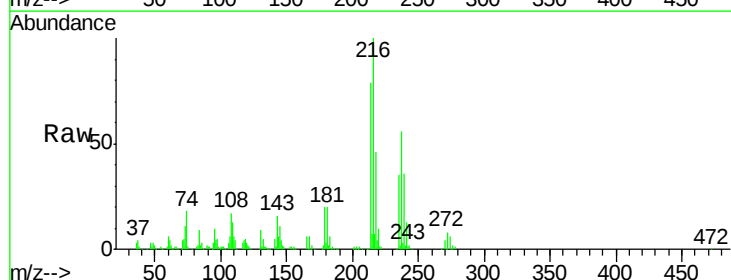
Ion Ratio Lower Upper

216 100

214 78.5 63.7 95.5

179 19.8 16.1 24.1

108 19.2 13.8 20.6

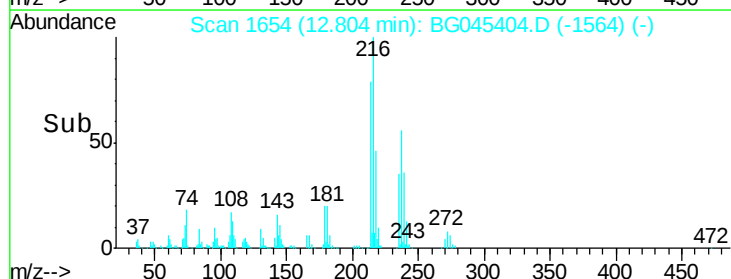
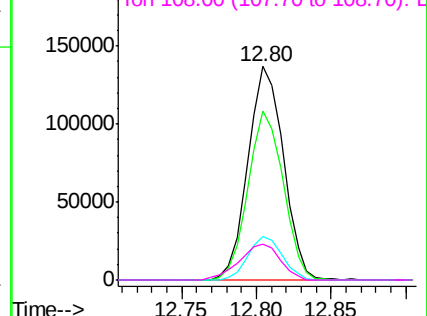


Abundance Ion 216.00 (215.70 to 216.70): E

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: 105.900 ng

RT: 12.79 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

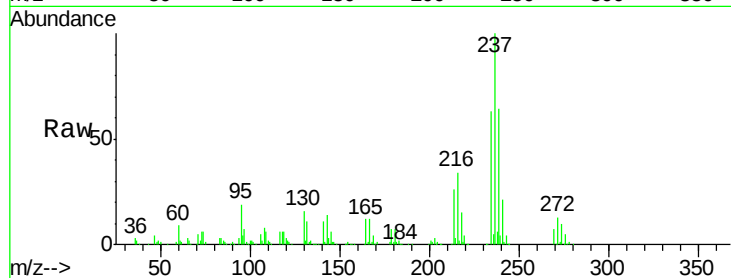
Tot Ion:237 Resp: 301371

Ion Ratio Lower Upper

237 100

235 62.8 44.4 84.4

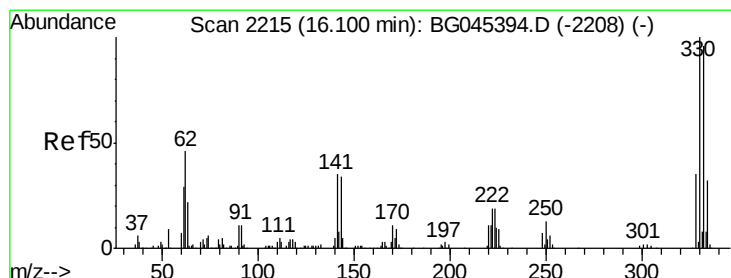
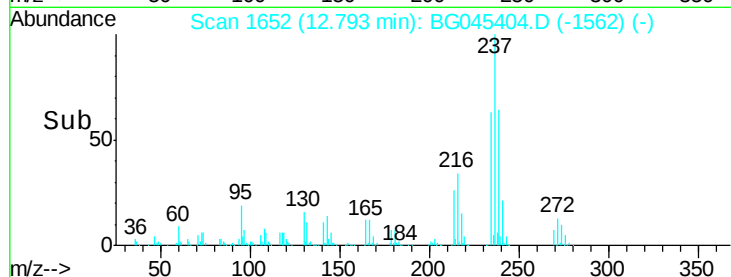
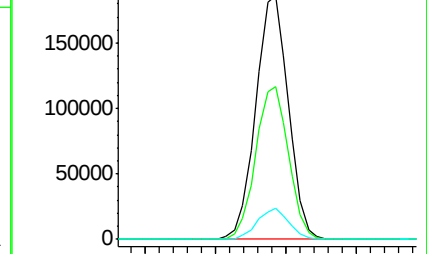
272 13.0 0.0 32.5



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: 133.034 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

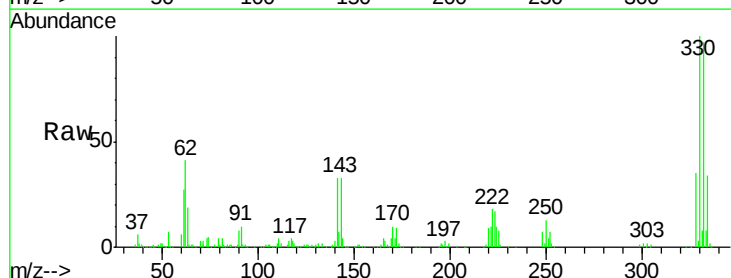
Tgt Ion:330 Resp: 300327

Ion Ratio Lower Upper

330 100

332 97.3 78.2 117.4

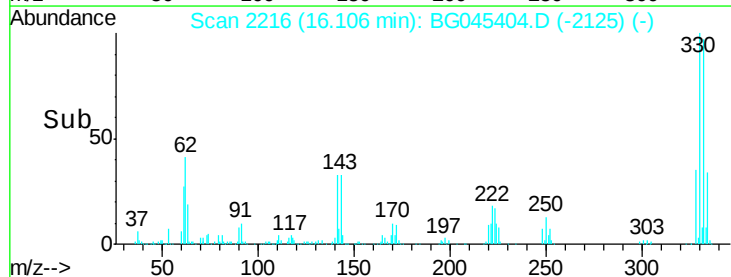
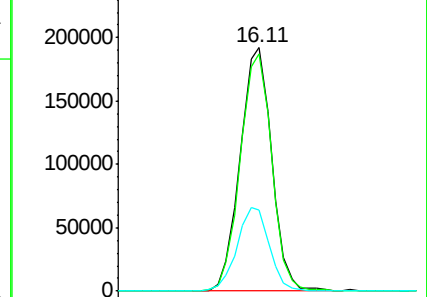
141 35.0 28.2 42.4



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

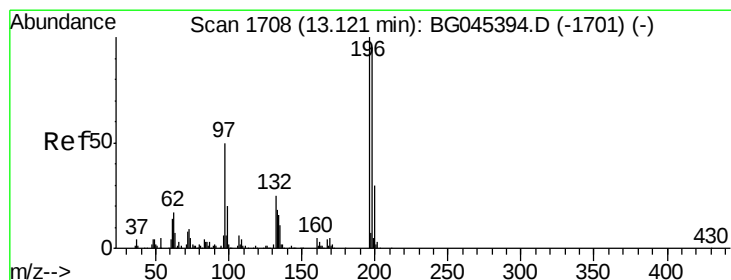
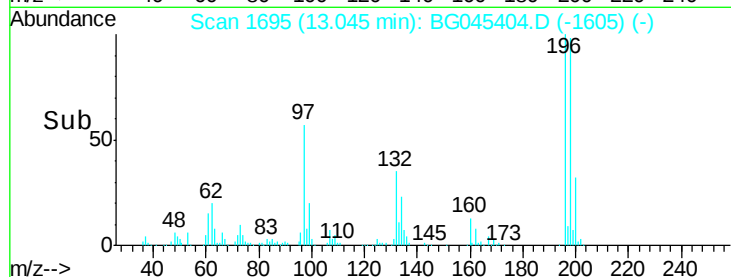
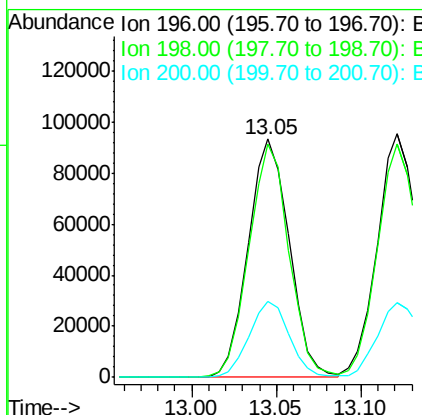
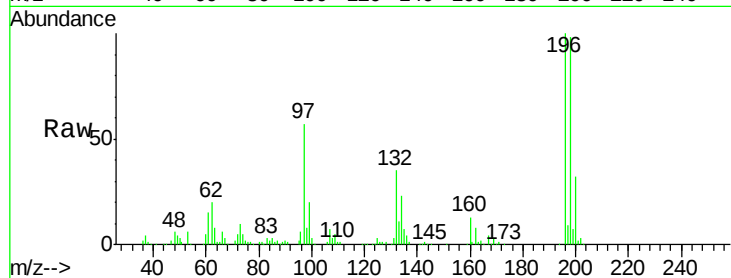




#43
 2,4,6-Trichlorophenol
 Concen: 46.045 ng
 RT: 13.05 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

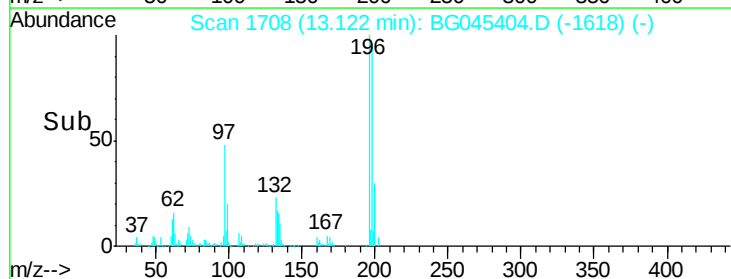
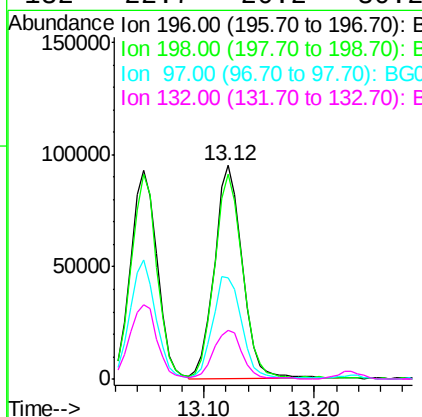
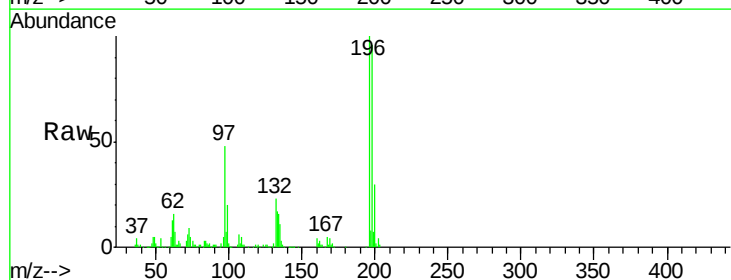
Instrument :
 BNA_G
 ClientSampleId :

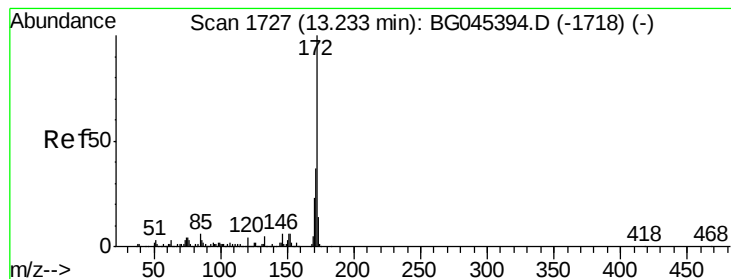
Tot Ion:196 Resp: 157708
 Ion Ratio Lower Upper
 196 100
 198 97.9 76.7 115.1
 200 32.0 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 42.711 ng
 RT: 13.12 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

Tgt Ion:196 Resp: 167170
 Ion Ratio Lower Upper
 196 100
 198 95.7 76.1 114.1
 97 47.5 40.0 60.0
 132 22.7 20.2 30.2





#45

2-Fluorobiphenyl

Concen: 89.955 ng

RT: 13.23 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

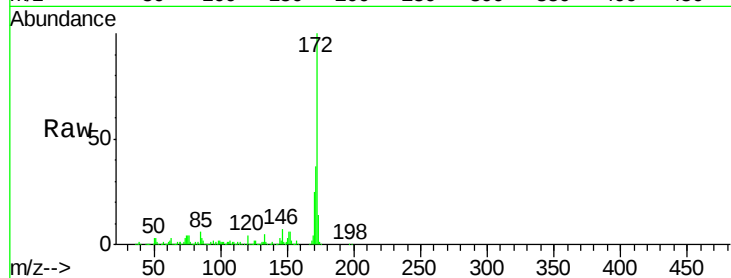
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 936150

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.5	44.3
170	25.0	18.5	27.7

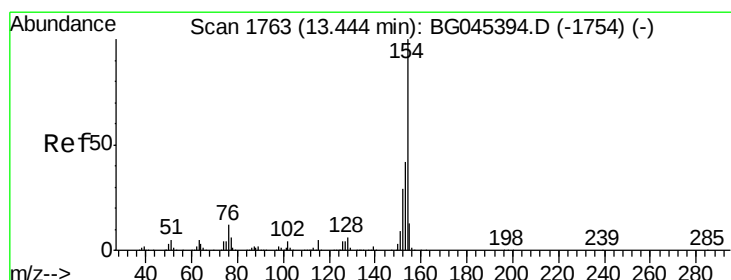
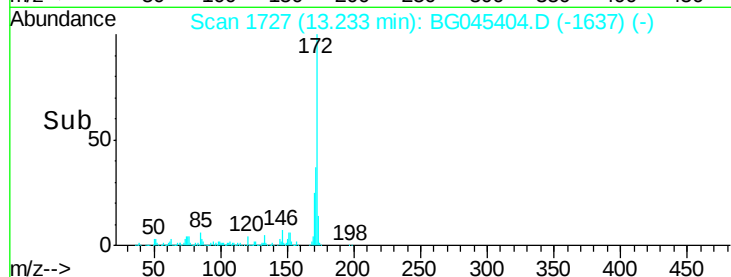
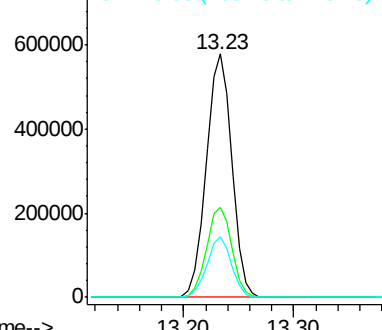


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 47.317 ng

RT: 13.44 min Scan# 1763

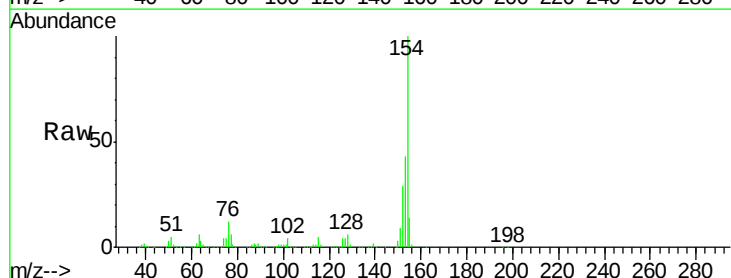
Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:154 Resp: 513228

Ion	Ratio	Lower	Upper
154	100		
153	43.5	22.2	62.2
76	12.5	0.0	32.4

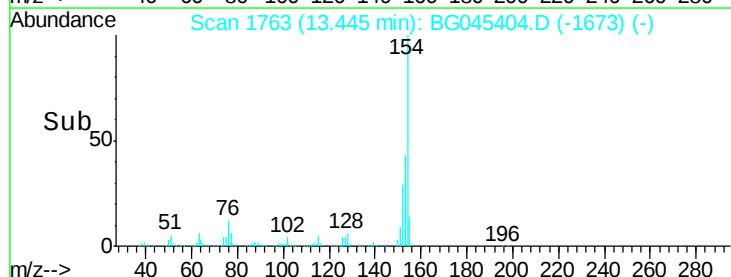
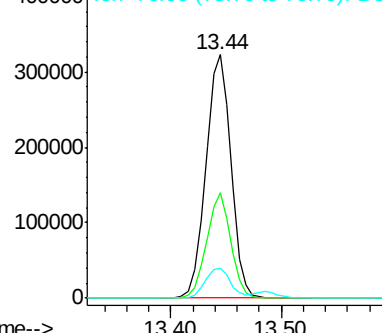


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

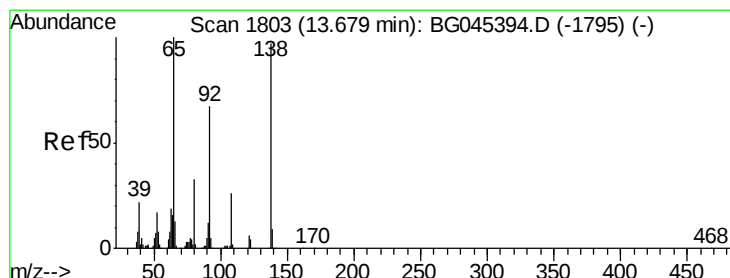
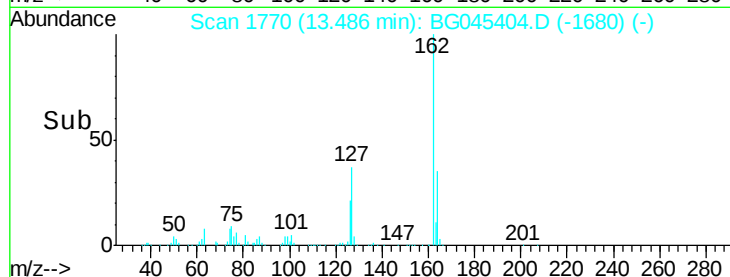
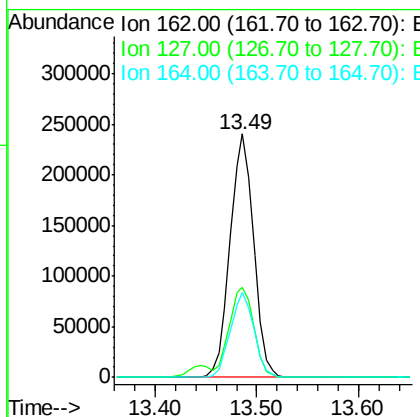
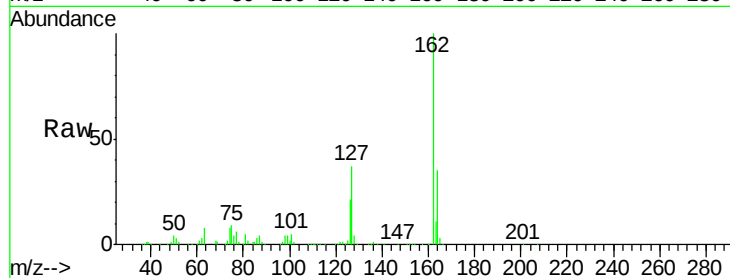




#47
2-Chloronaphthalene
Concen: 43.956 ng
RT: 13.49 min Scan# 1770
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

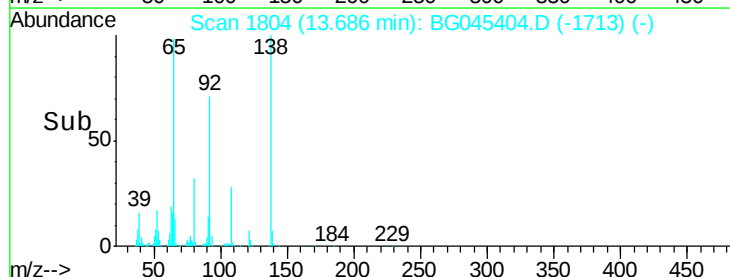
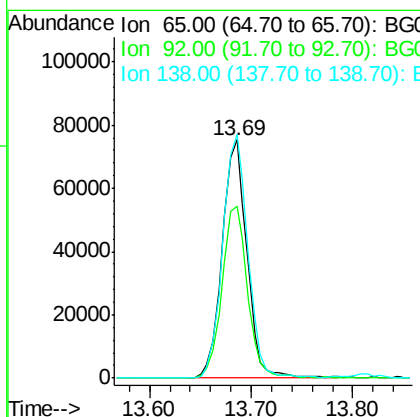
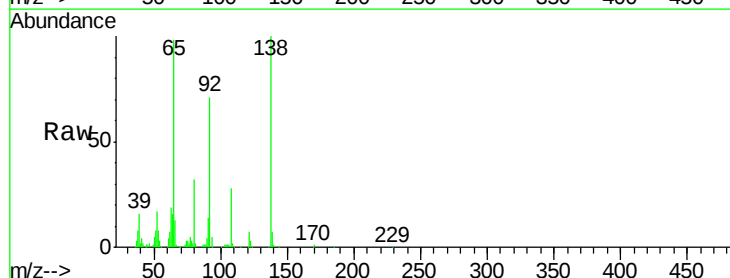
Instrument :
BNA_G
ClientSampleId :

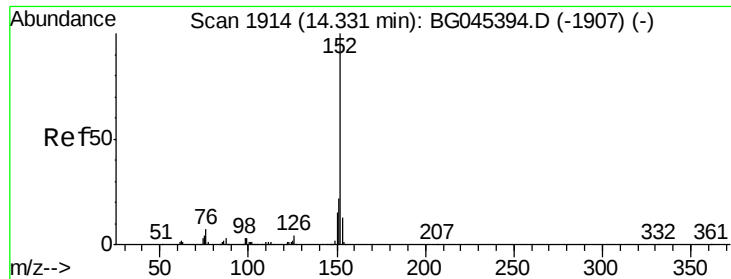
Tot Ion	Ratio	Lower	Upper
162	100		
127	37.1	31.6	47.4
164	35.1	28.1	42.1



#48
2-Nitroaniline
Concen: 44.032 ng
RT: 13.69 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.2	53.8	80.8
138	102.3	77.9	116.9





#49

Acenaphthylene

Concen: 45.996 ng

RT: 14.33 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

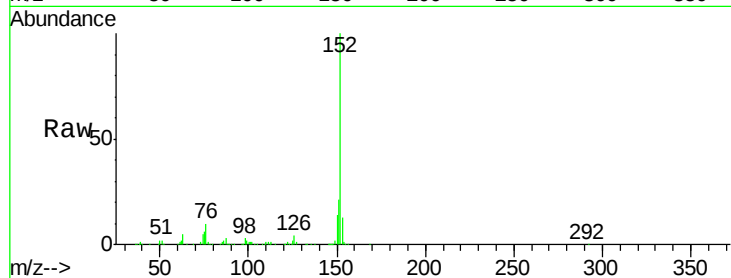
Instrument :

BNA_G

ClientSampled :

Tot Ion:152 Resp: 650729

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.4	26.2
153	13.3	10.7	16.1

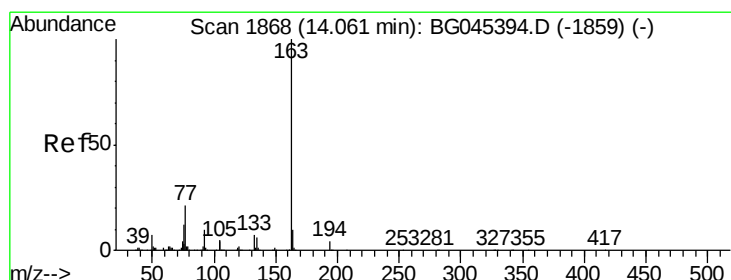
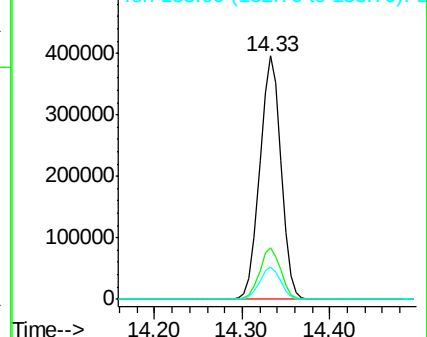
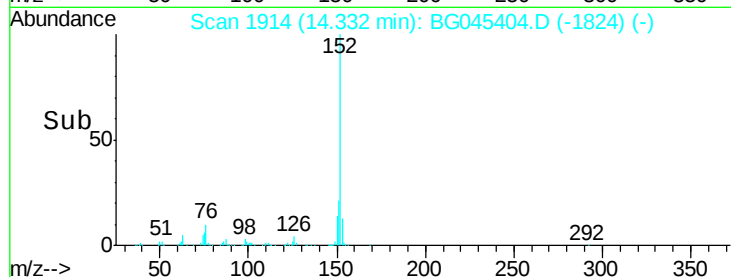


Abundance

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: 44.254 ng

RT: 14.06 min Scan# 1868

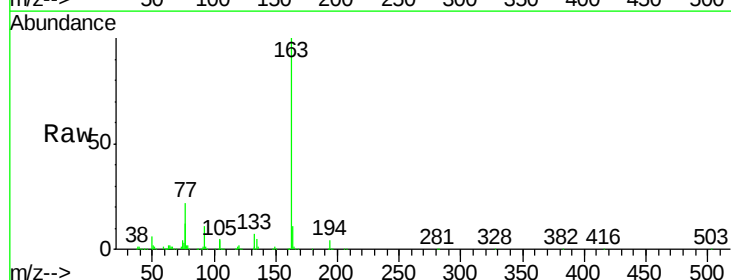
Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:163 Resp: 535888

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	11.1	8.3	12.5

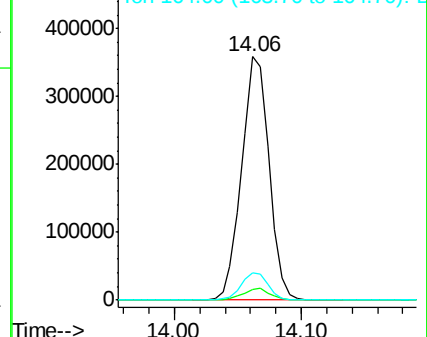
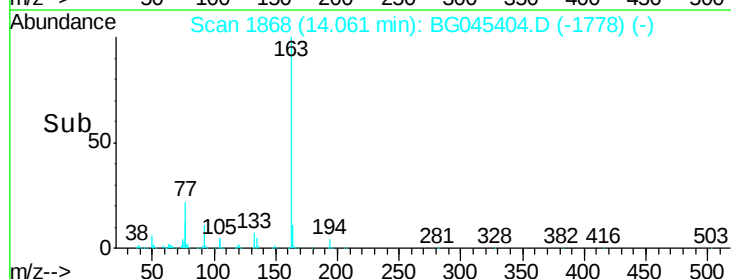


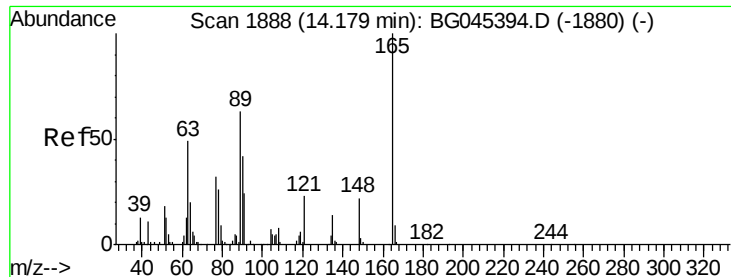
Abundance

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

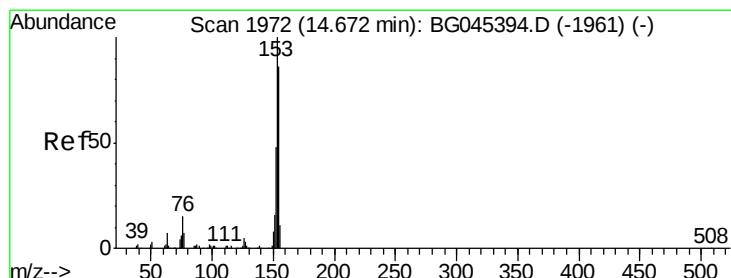
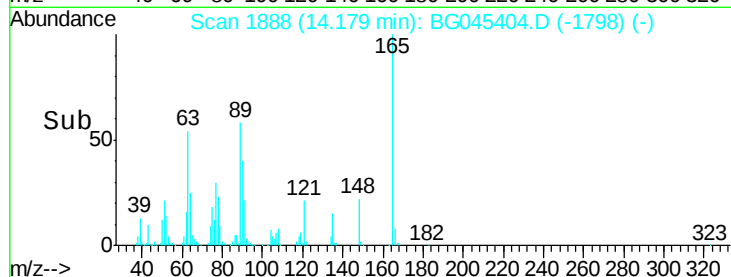
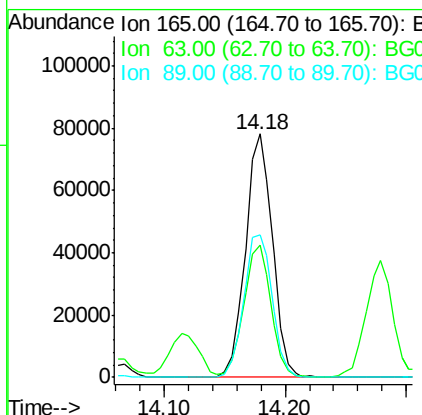
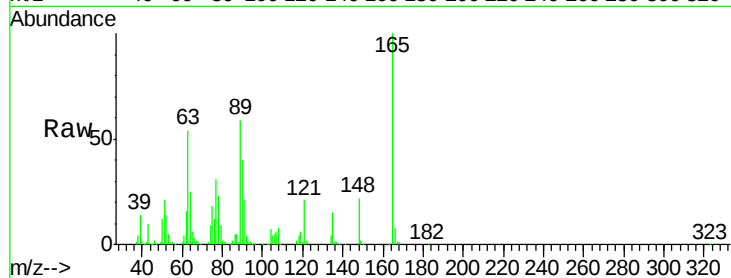




#51
 2,6-Dinitrotoluene
 Concen: 44.393 ng
 RT: 14.18 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

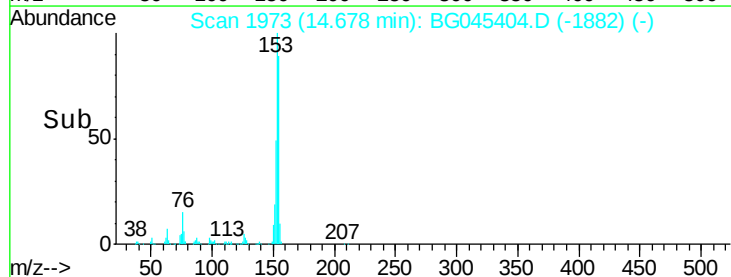
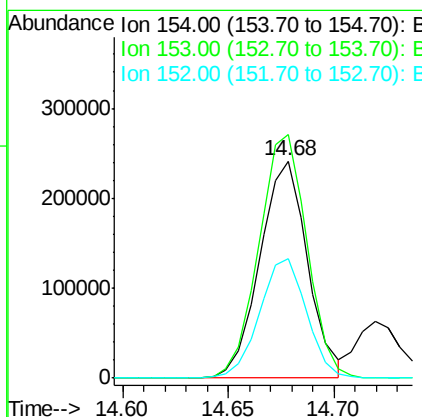
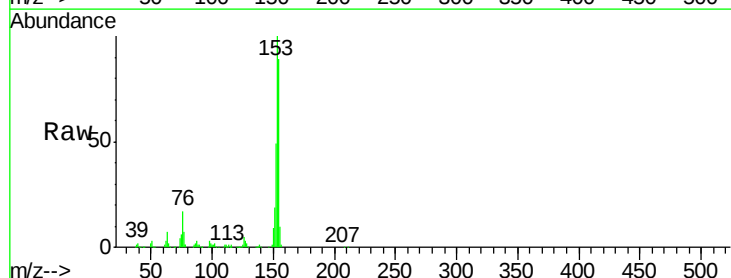
Instrument :
 BNA_G
 ClientSampleId :

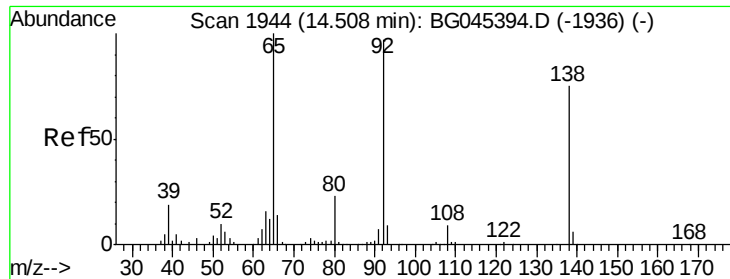
Tot Ion	165	Resp	121302
Ion Ratio	Lower	Upper	
165	100		
63	54.4	45.0	67.4
89	58.6	50.2	75.4



#52
 Acenaphthene
 Concen: 39.912 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

Tgt Ion	154	Resp	377968
Ion Ratio	Lower	Upper	
154	100		
153	112.0	92.8	139.2
152	55.1	44.6	66.8





#53

3-Nitroaniline

Concen: 27.650 ng

RT: 14.51 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

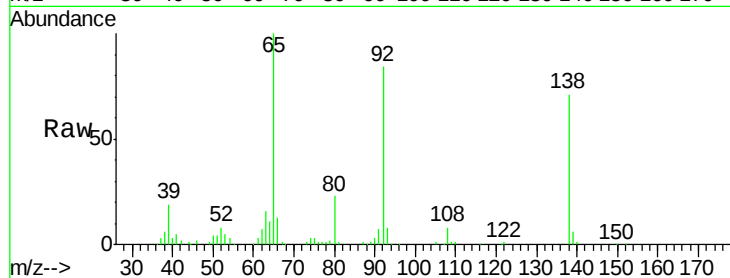
Tot Ion:138 Resp: 76804

Ion Ratio Lower Upper

138 100

108 11.4 9.8 14.6

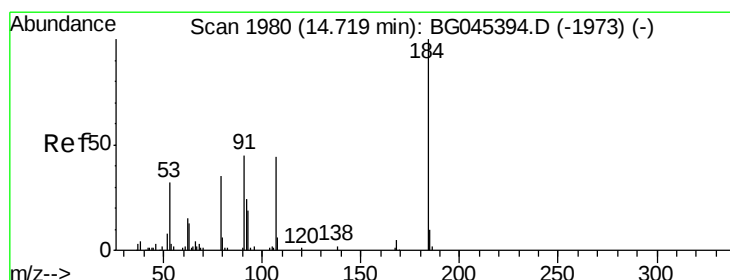
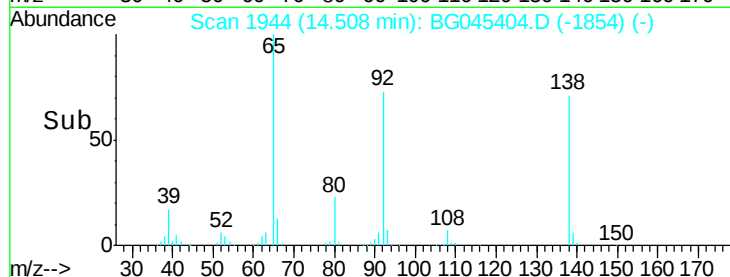
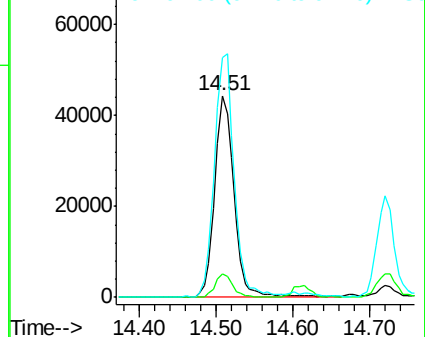
92 119.1 103.0 154.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 81.411 ng

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

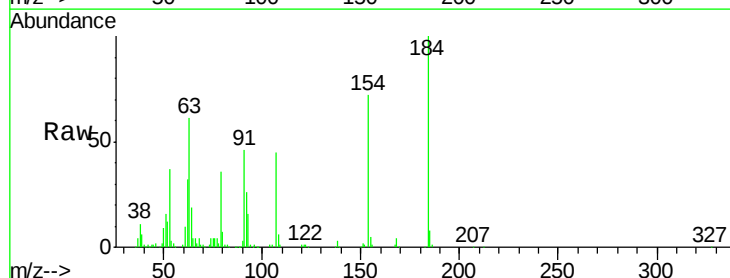
Tgt Ion:184 Resp: 145906

Ion Ratio Lower Upper

184 100

63 61.0 47.8 71.6

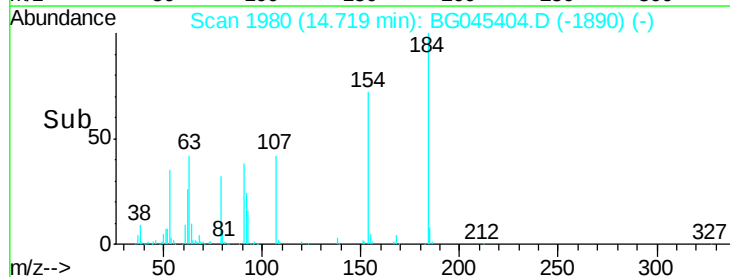
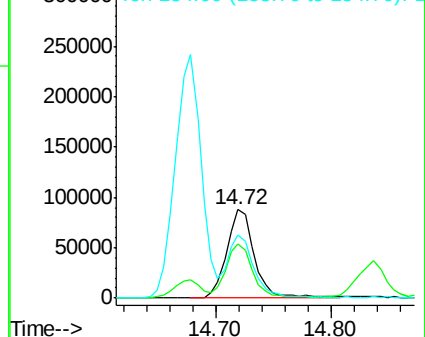
154 71.9 58.3 87.5

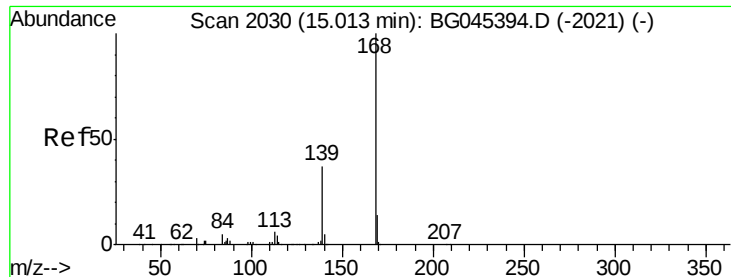


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

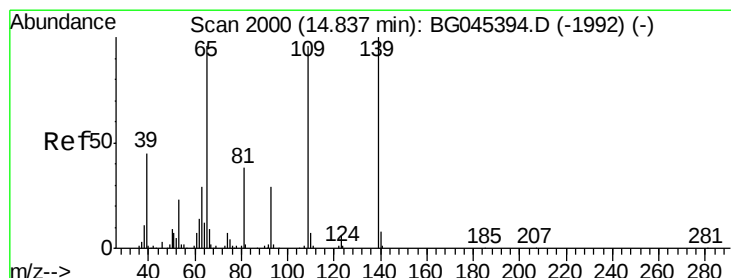
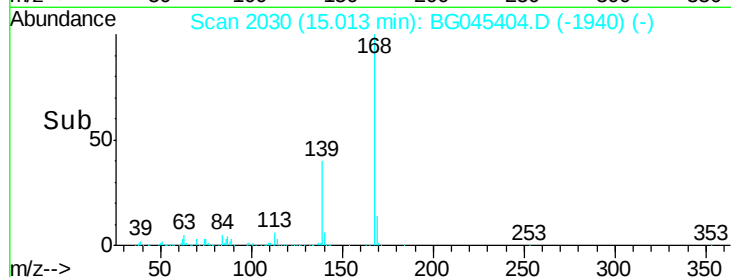
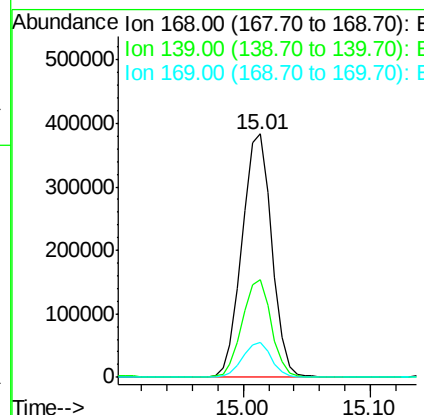
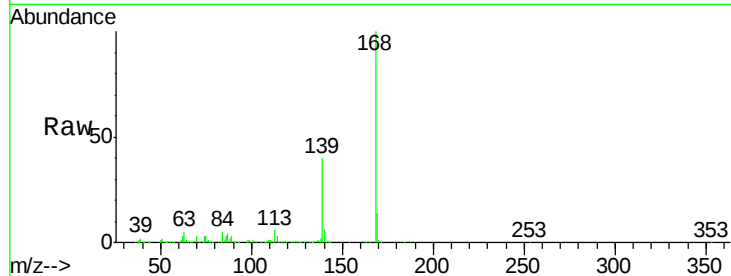




#55
Dibenzofuran
Concen: 44.228 ng
RT: 15.01 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

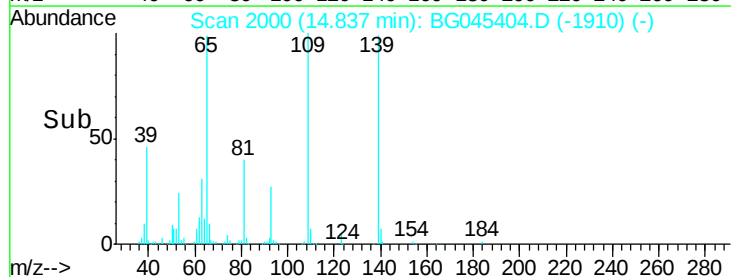
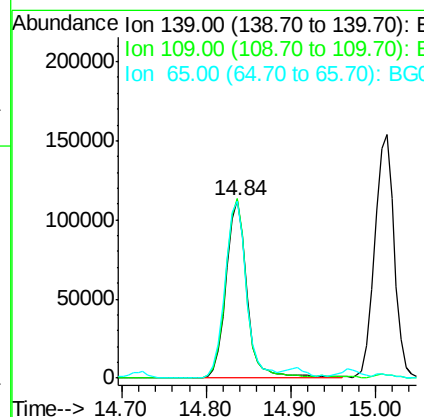
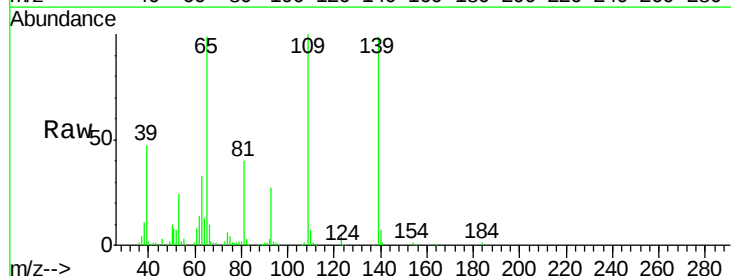
Instrument :
BNA_G
ClientSampleId :

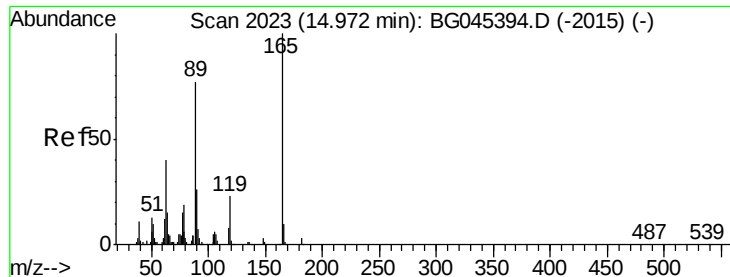
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.1	29.9	44.9
169	14.3	10.9	16.3



#56
4-Nitrophenol
Concen: 92.688 ng
RT: 14.84 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	100.6	75.6	115.6
65	99.9	76.8	116.8

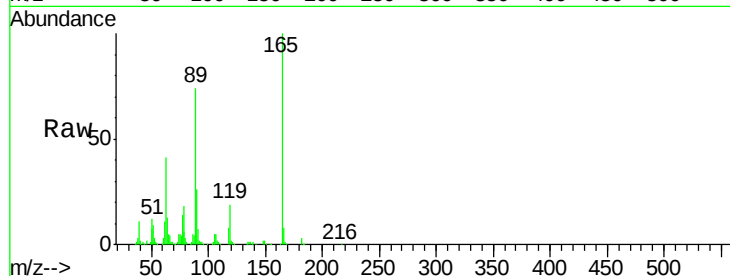




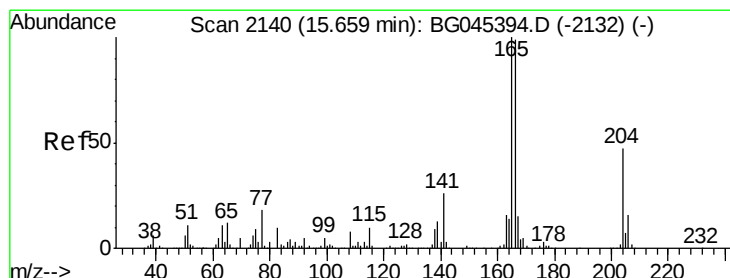
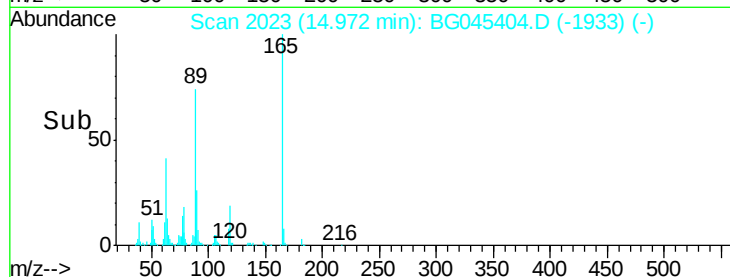
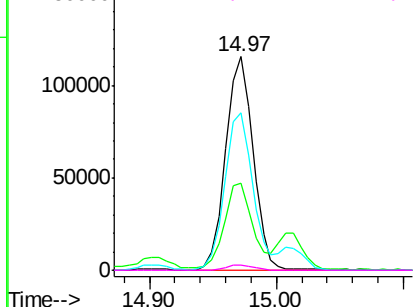
#57
2,4-Dinitrotoluene
Concen: 43.964 ng
RT: 14.97 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 173980
Ion Ratio Lower Upper
165 100
63 40.8 32.5 48.7
89 73.7 61.8 92.6
182 2.5 2.3 3.5

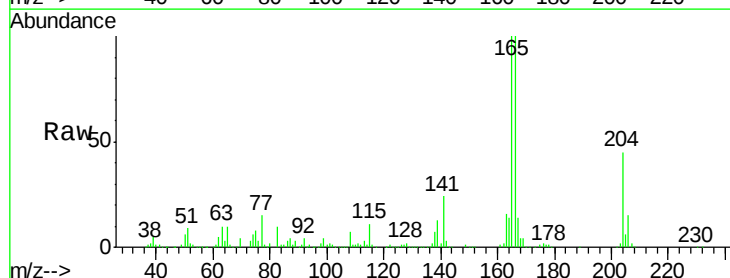


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

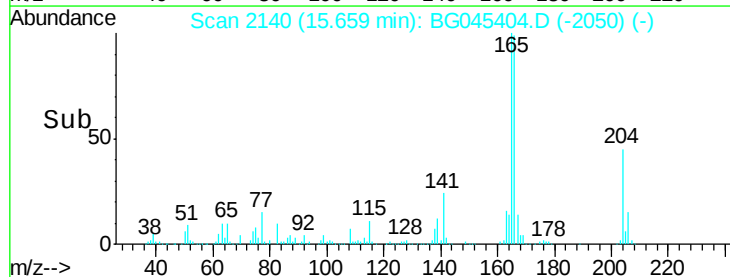
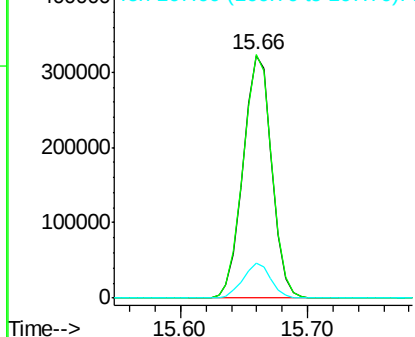


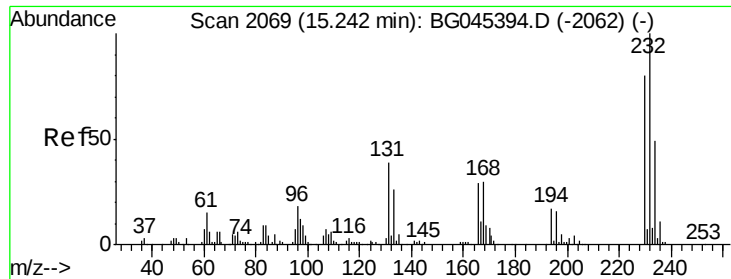
#58
Fluorene
Concen: 43.755 ng
RT: 15.66 min Scan# 2140
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:166 Resp: 505526
Ion Ratio Lower Upper
166 100
165 100.4 80.8 121.2
167 14.2 12.0 18.0



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

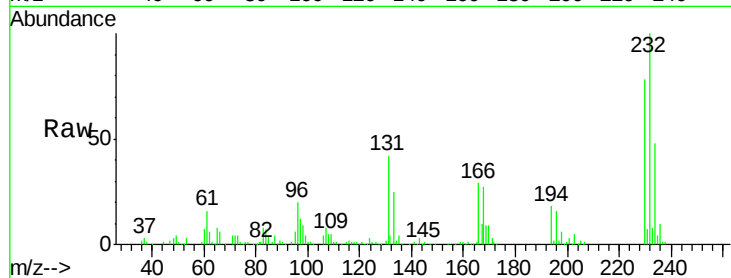




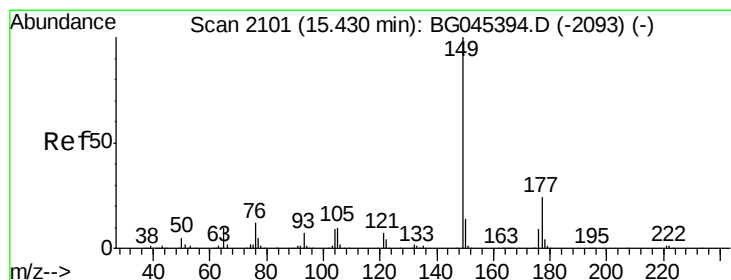
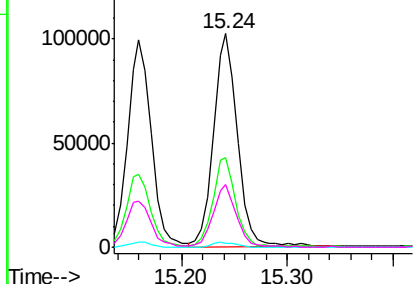
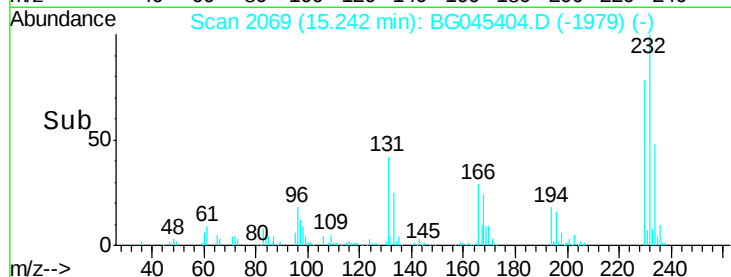
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 47.191 ng
 RT: 15.24 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	232	Resp:	162498
Ion	Ratio	Lower	Upper
232	100		
131	39.6	33.7	50.5
130	2.4	2.1	3.1
166	29.1	23.2	34.8

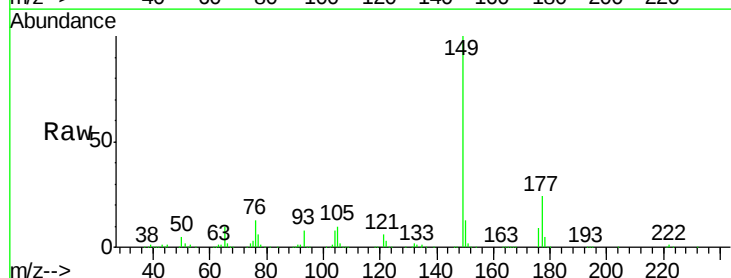


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

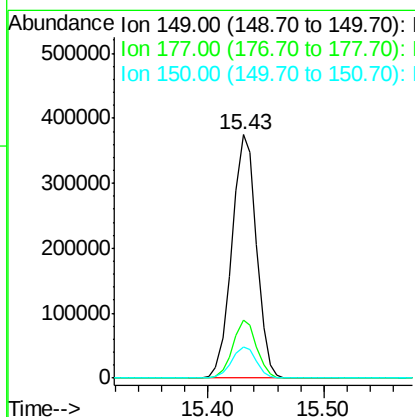
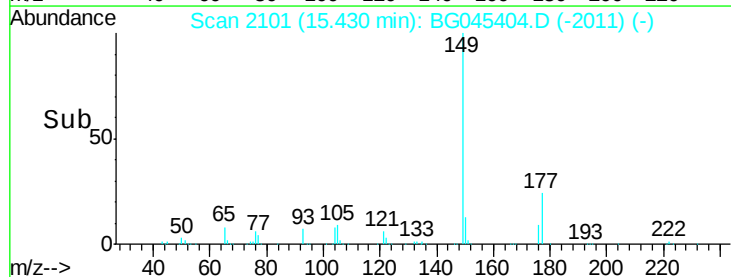


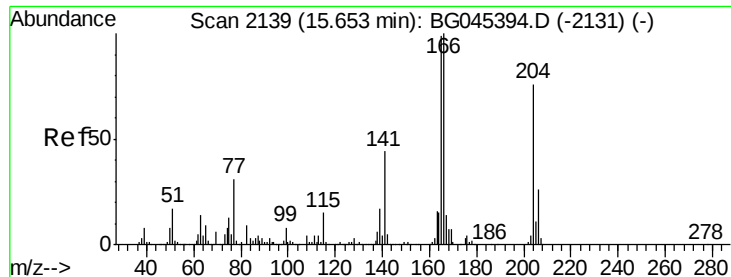
#60
 Diethylphthalate
 Concen: 43.561 ng
 RT: 15.43 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: BG045404.D
 Acq: 15 May 2020 19:54

Tgt Ion:	149	Resp:	549030
Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.0	28.4
150	12.9	11.4	17.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 42.579 ng

RT: 15.65 min Scan# 2139

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

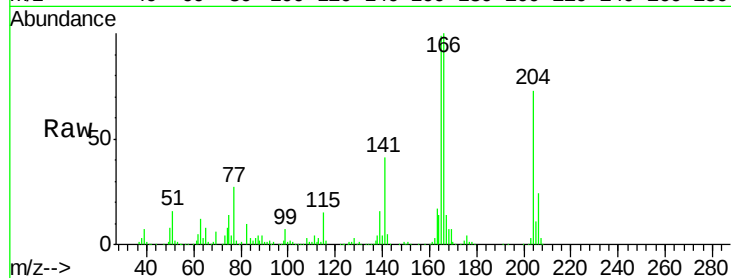
Tot Ion:204 Resp: 281505

Ion Ratio Lower Upper

204 100

206 33.1 27.3 40.9

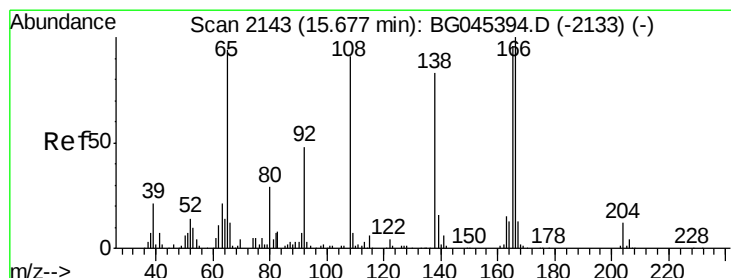
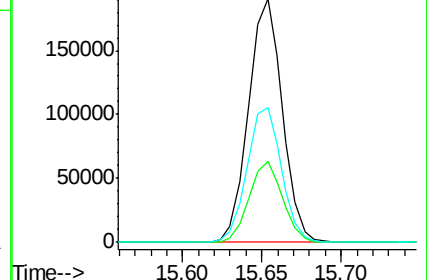
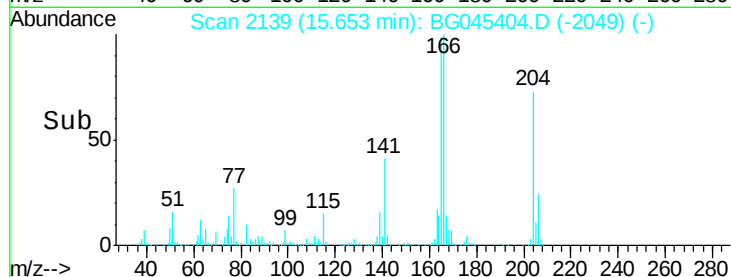
141 55.4 45.9 68.9



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: 40.253 ng

RT: 15.68 min Scan# 2143

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

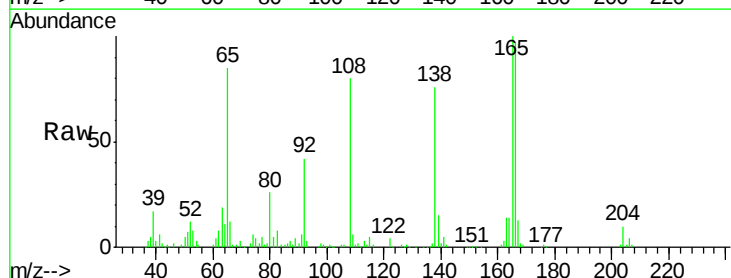
Tgt Ion:138 Resp: 116724

Ion Ratio Lower Upper

138 100

92 54.6 38.0 78.0

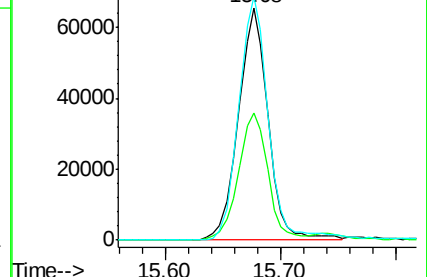
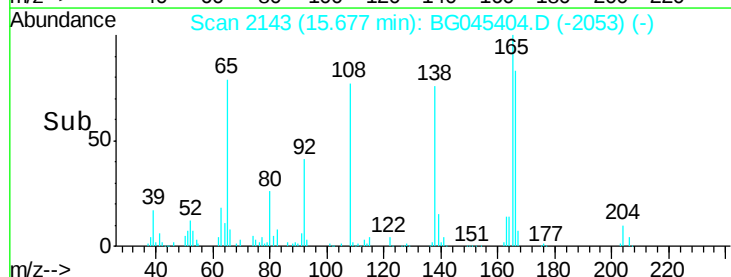
108 104.8 89.3 129.3

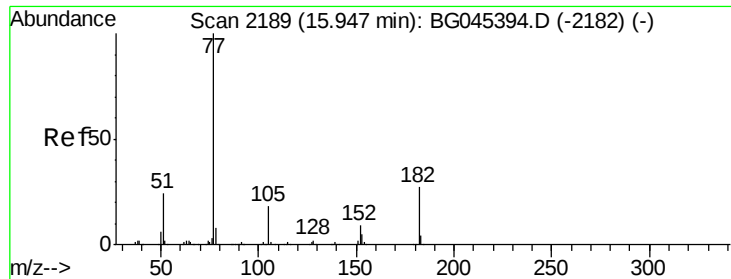


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): E

Ion 108.00 (107.70 to 108.70): E

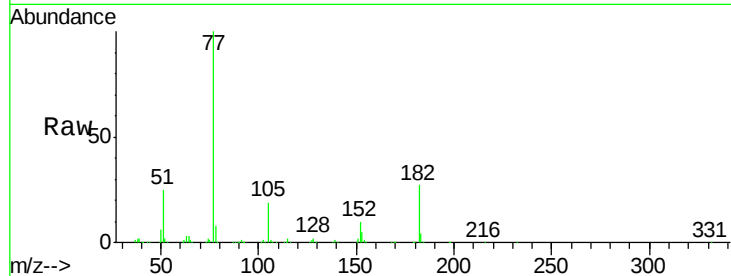




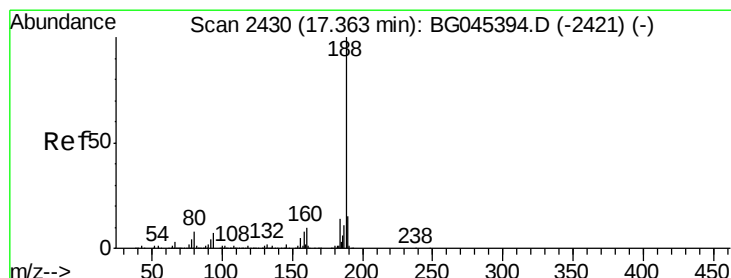
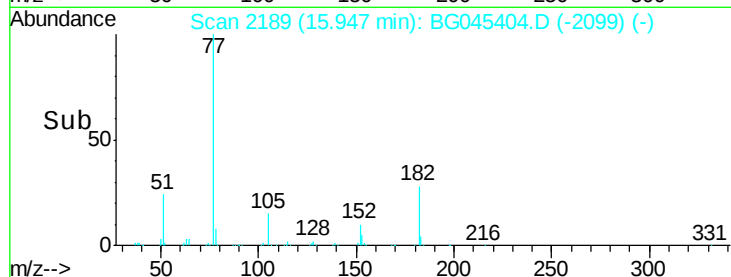
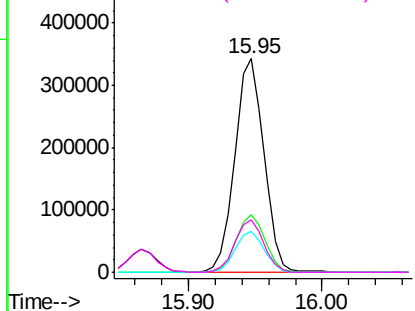
#63
Azobenzene
Concen: 43.979 ng
RT: 15.95 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:	77	Resp:	516851
Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.5	46.5
105	19.3	0.0	37.9
51	24.8	4.1	44.1

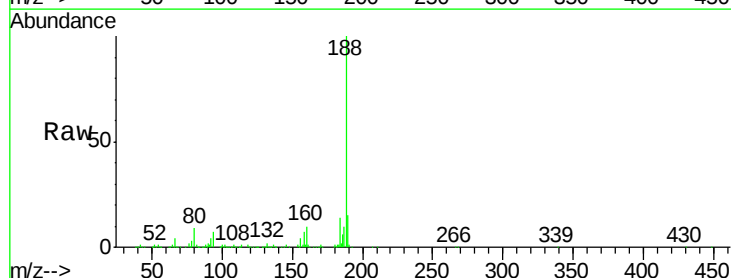


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

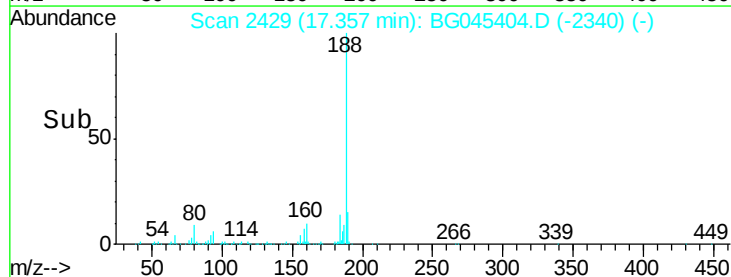
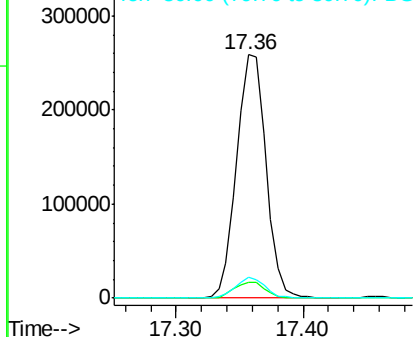


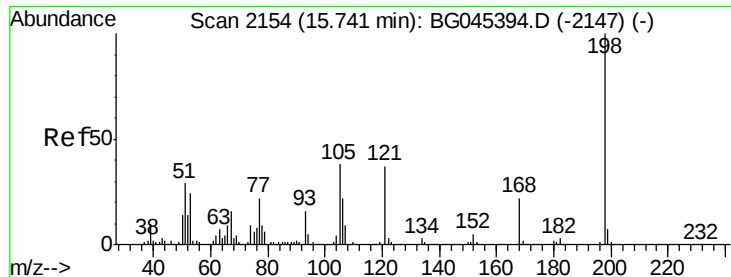
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.36 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:	188	Resp:	414999
Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.5	8.3
80	8.5	6.6	10.0



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 44.966 ng

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

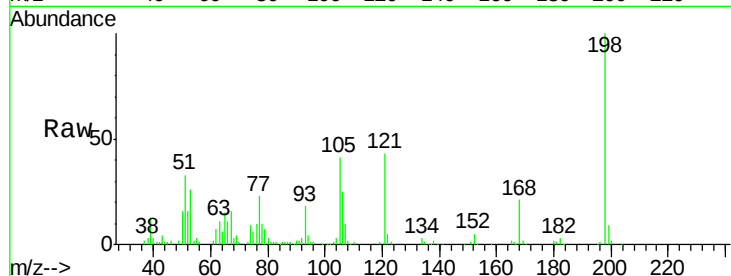
Tot Ion:198 Resp: 108681

Ion Ratio Lower Upper

198 100

51 33.2 10.0 50.0

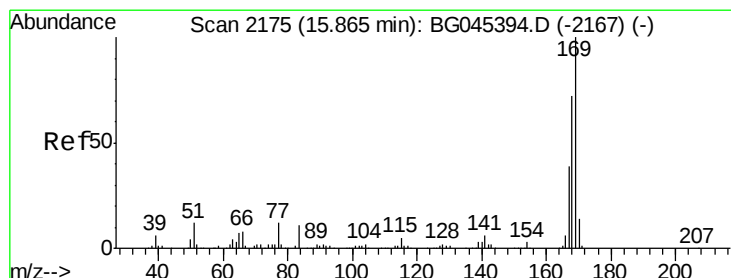
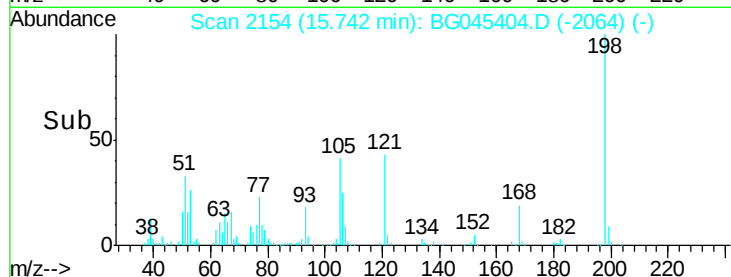
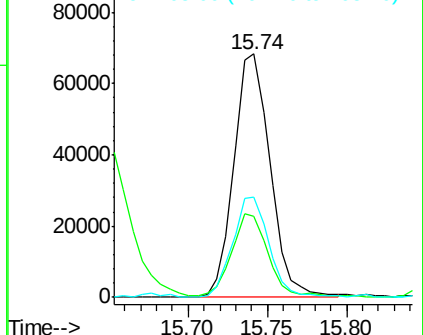
105 41.2 18.9 58.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.914 ng

RT: 15.86 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

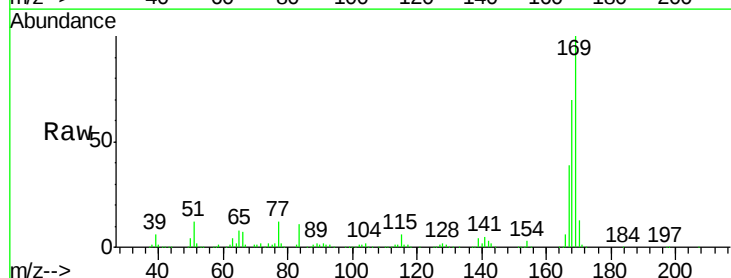
Tgt Ion:169 Resp: 457492

Ion Ratio Lower Upper

169 100

168 70.0 57.8 86.6

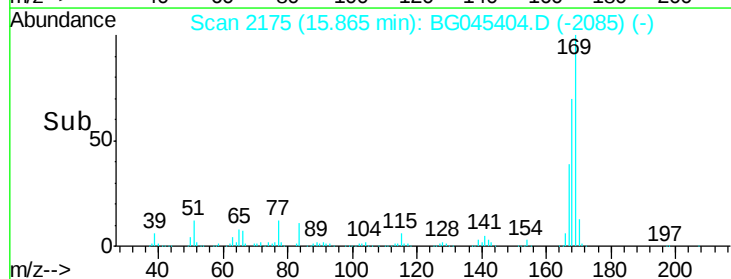
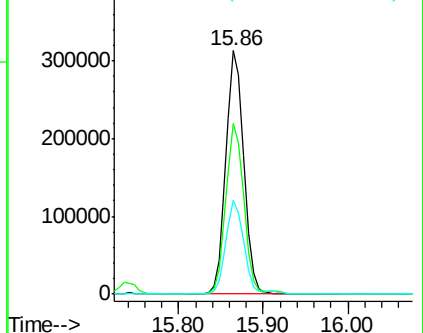
167 38.5 31.5 47.3

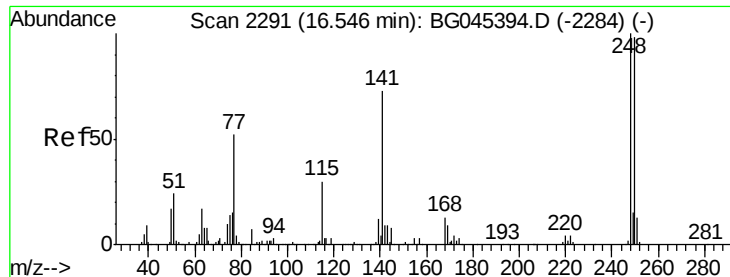


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

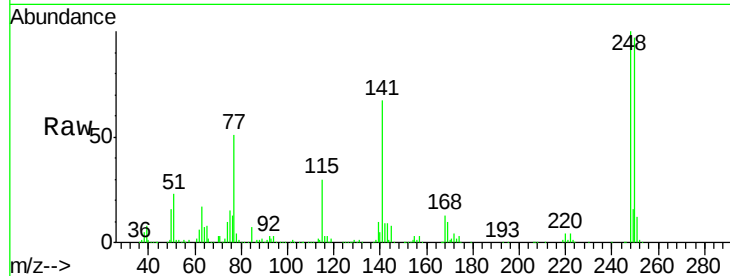




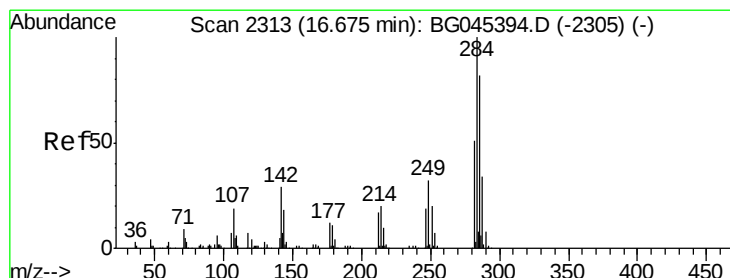
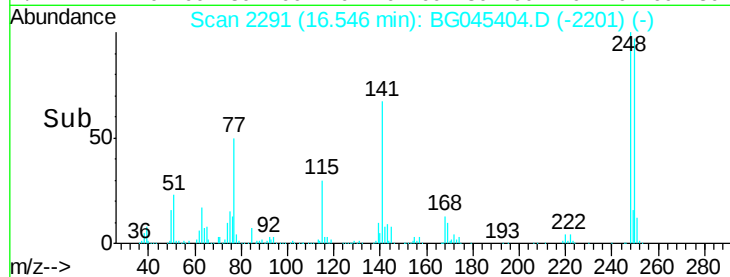
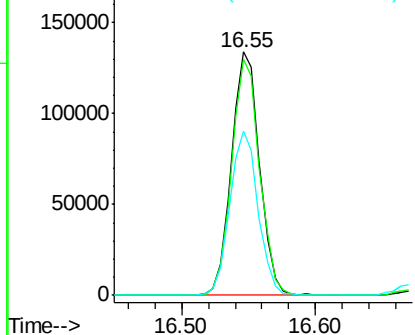
#67
4-Bromophenyl-phenylether
Concen: 43.613 ng
RT: 16.55 min Scan# 2291
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 195988
Ion Ratio Lower Upper
248 100
250 96.7 78.6 117.8
141 67.5 58.2 87.2

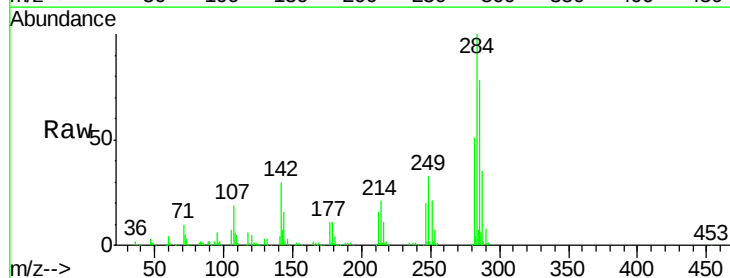


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

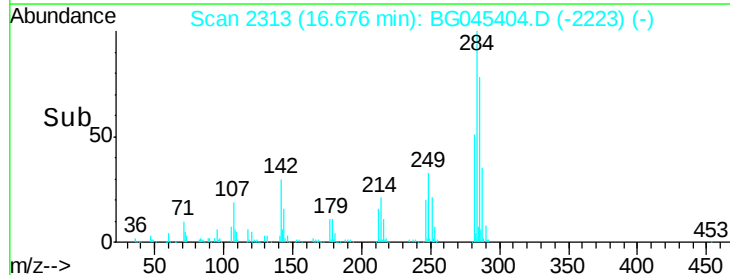
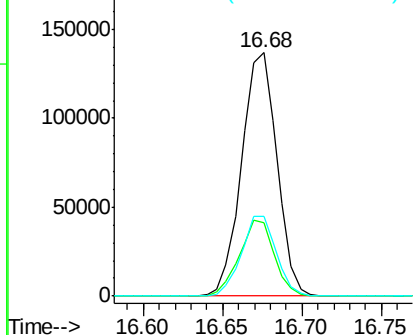


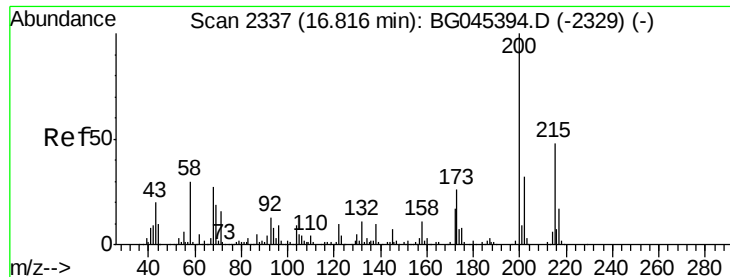
#68
Hexachlorobenzene
Concen: 45.063 ng
RT: 16.68 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:284 Resp: 211801
Ion Ratio Lower Upper
284 100
142 29.9 23.0 34.6
249 32.8 25.8 38.6



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: 43.644 ng

RT: 16.82 min Scan# 2337

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

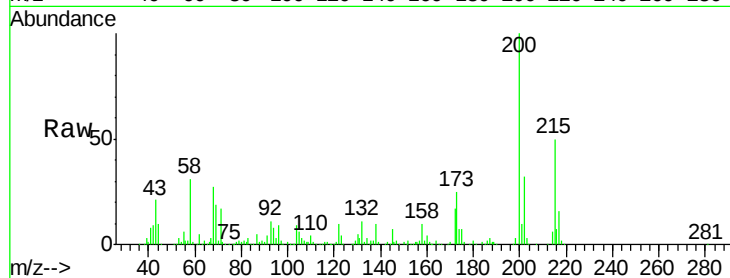
Tot Ion:200 Resp: 179118

Ion Ratio Lower Upper

200 100

173 24.7 5.5 45.5

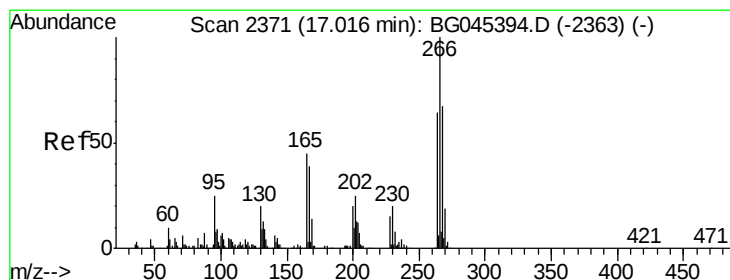
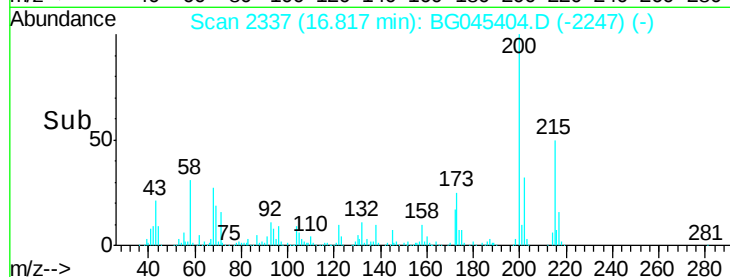
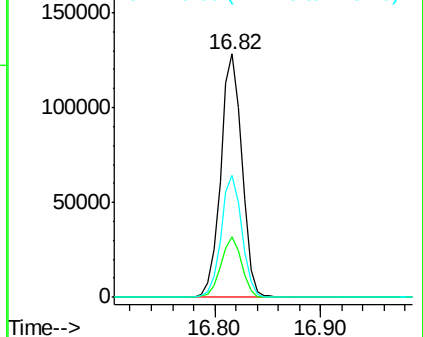
215 49.9 28.2 68.2



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: 98.298 ng

RT: 17.02 min Scan# 2371

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

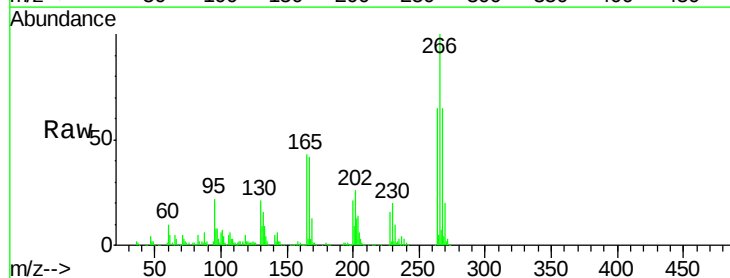
Tgt Ion:266 Resp: 239894

Ion Ratio Lower Upper

266 100

268 65.3 53.2 79.8

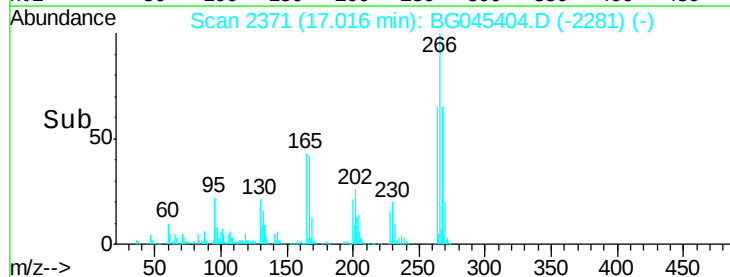
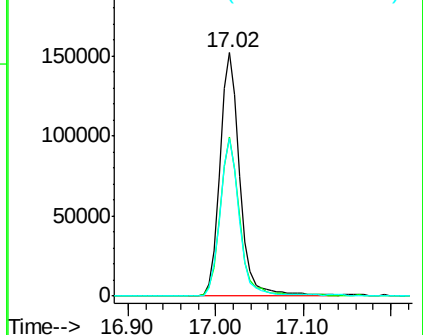
264 64.9 51.0 76.4

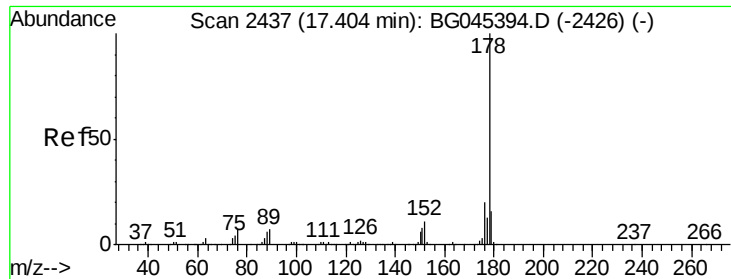


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

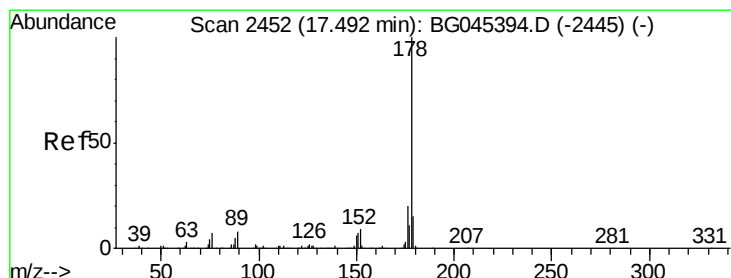
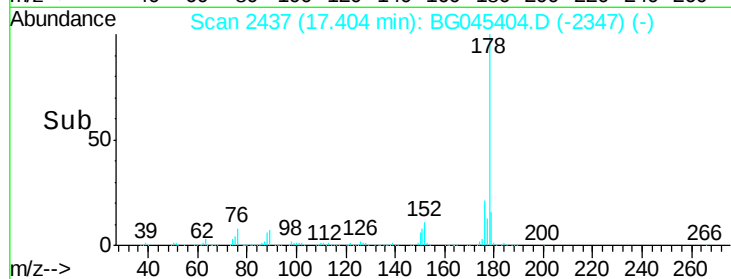
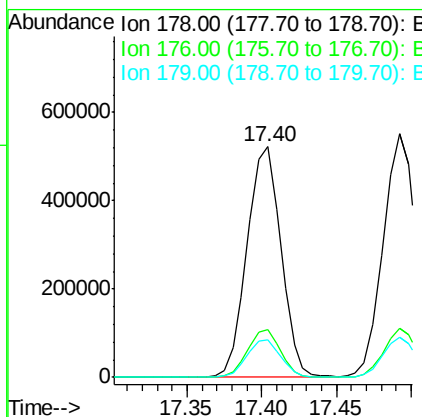
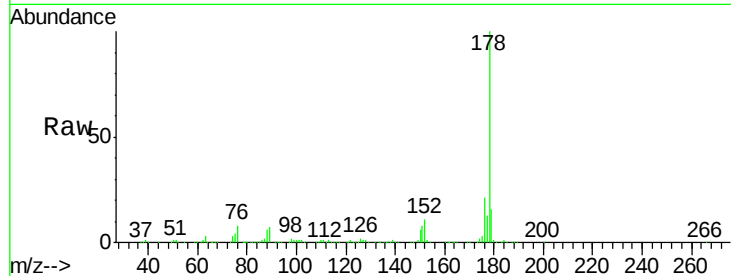




#71
Phenanthrene
Concen: 45.445 ng
RT: 17.40 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

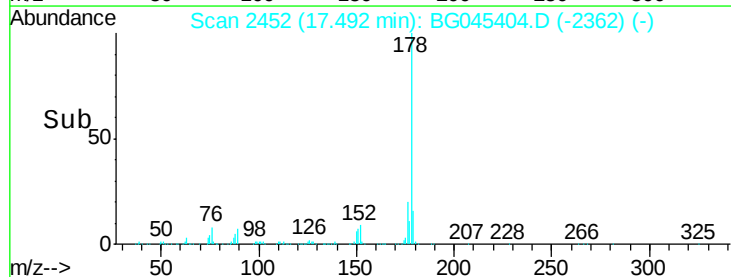
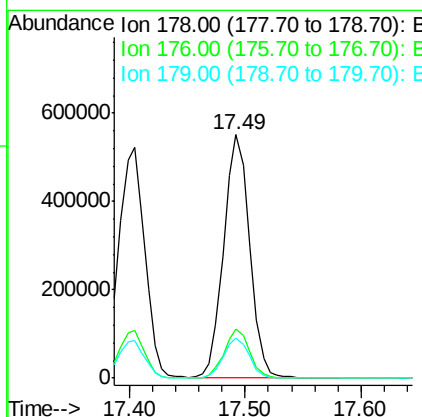
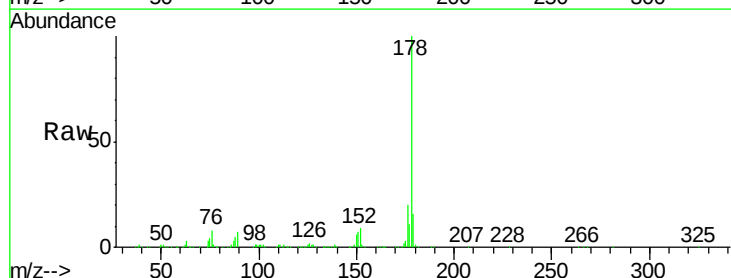
Instrument :
BNA_G
ClientSampleId :

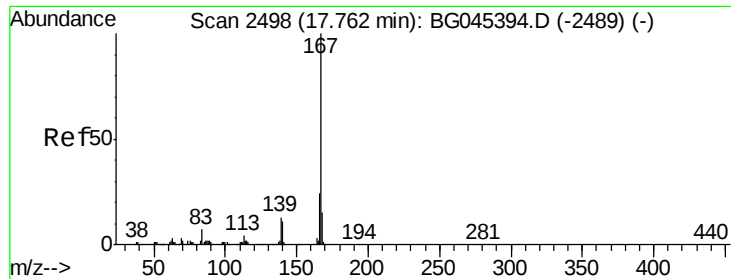
Tot Ion:178 Resp: 823323
Ion Ratio Lower Upper
178 100
176 20.8 16.2 24.4
179 16.4 13.1 19.7



#72
Anthracene
Concen: 47.007 ng
RT: 17.49 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BG045404.D
Acq: 15 May 2020 19:54

Tgt Ion:178 Resp: 855230
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.6
179 16.3 12.2 18.4





#73

Carbazole

Concen: 44.956 ng

RT: 17.76 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

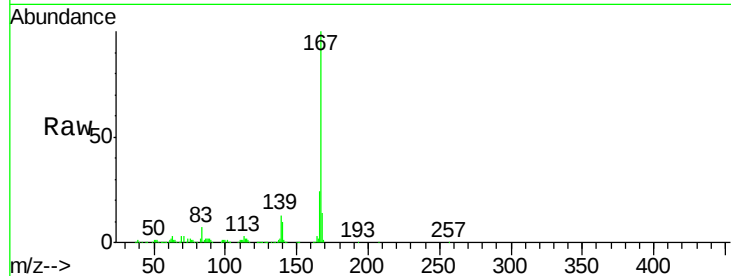
Tot Ion:167 Resp: 797275

Ion Ratio Lower Upper

167 100

166 23.6 19.2 28.8

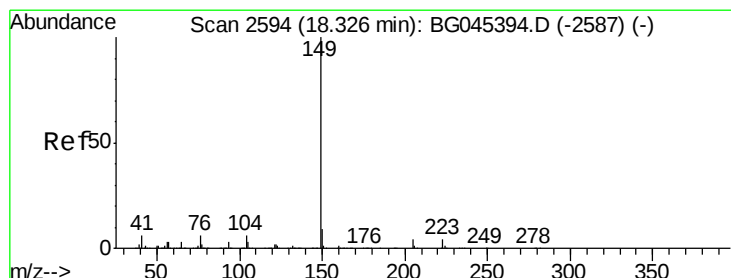
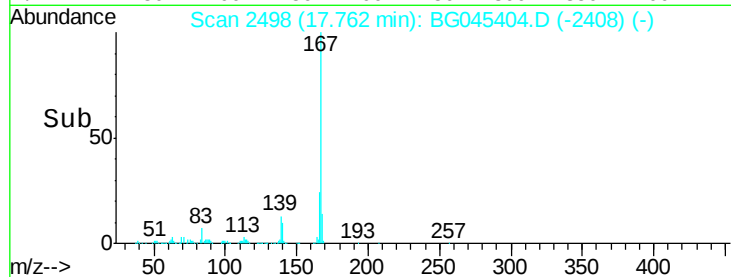
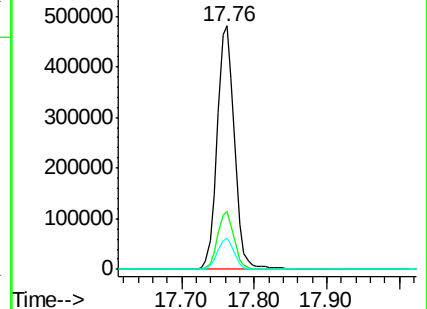
139 12.9 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 43.889 ng

RT: 18.33 min Scan# 2594

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

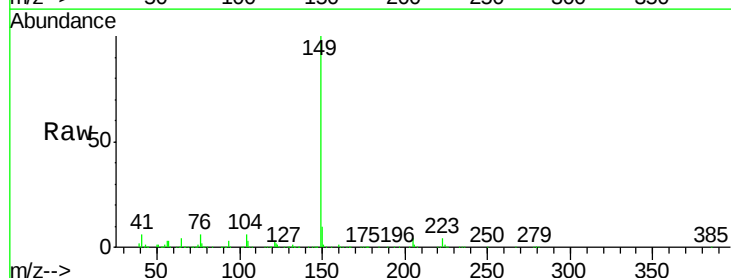
Tgt Ion:149 Resp: 934215

Ion Ratio Lower Upper

149 100

150 9.8 7.6 11.4

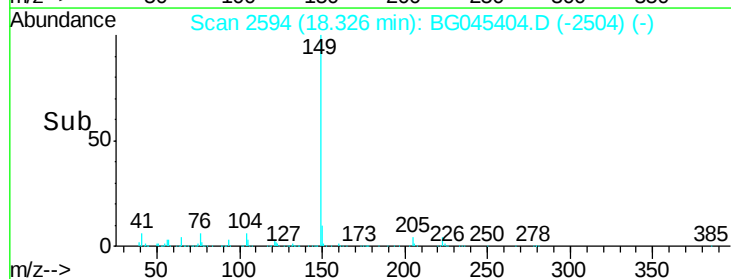
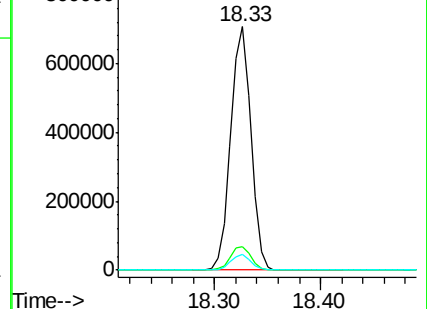
104 6.3 5.0 7.4

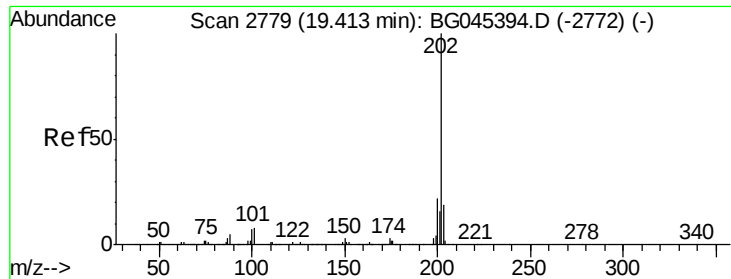


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 46.392 ng

RT: 19.41 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

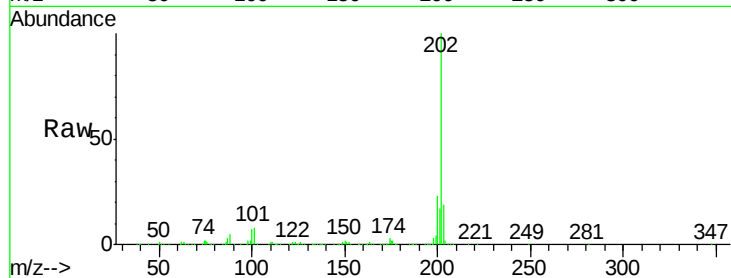
Tot Ion:202 Resp: 1069055

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.3

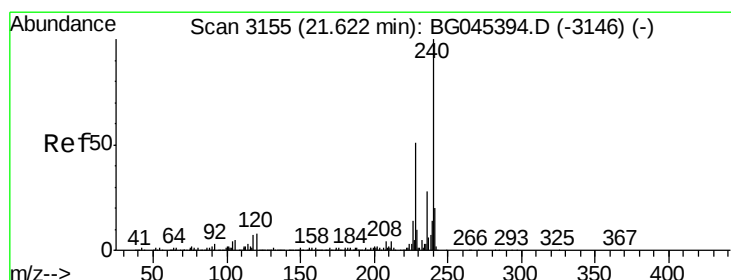
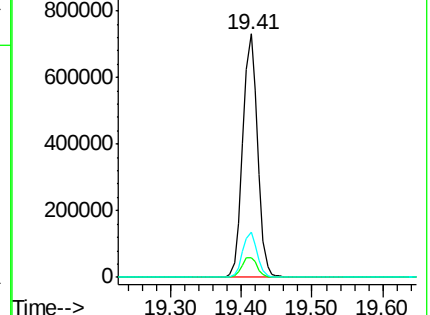
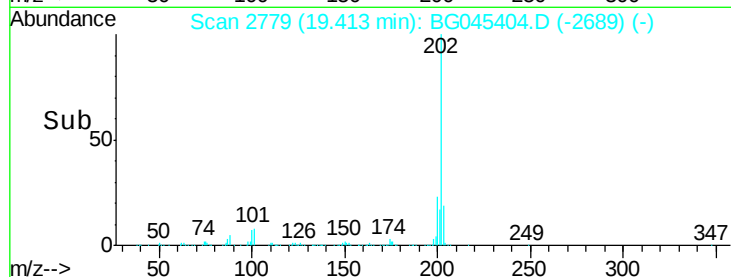
203 18.7 0.0 39.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

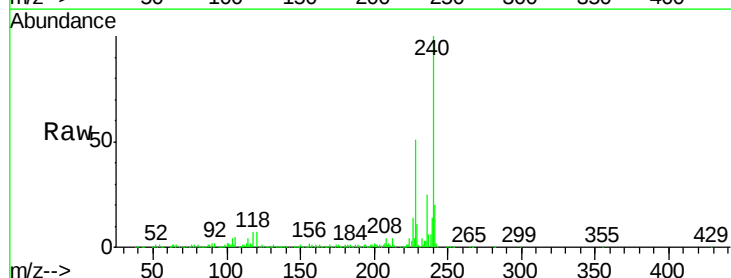
Tgt Ion:240 Resp: 402312

Ion Ratio Lower Upper

240 100

120 7.1 6.1 9.1

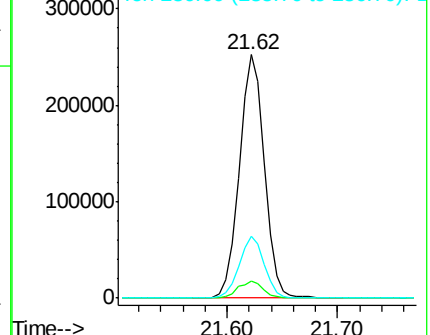
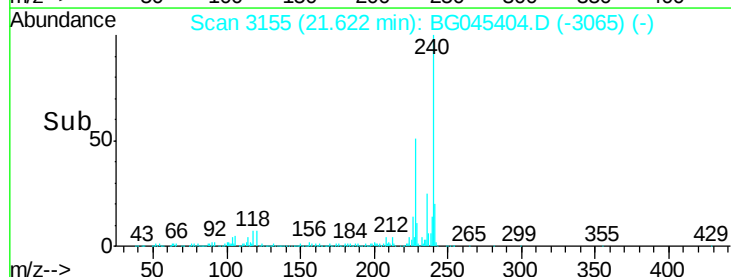
236 25.4 22.3 33.5

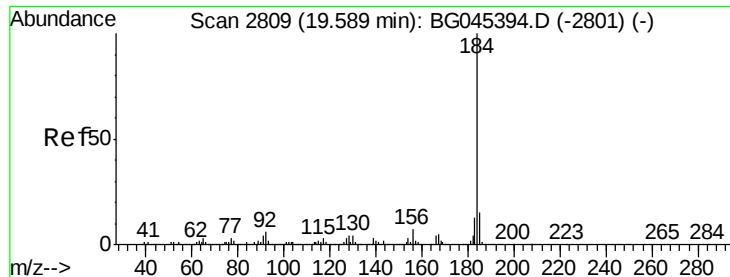


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.572 ng

RT: 19.59 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

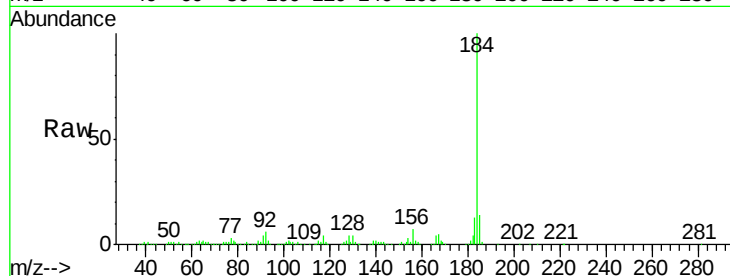
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 503625

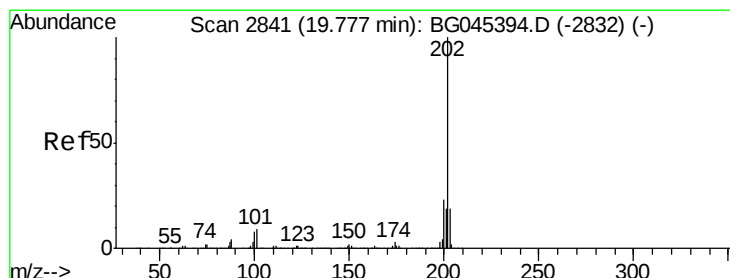
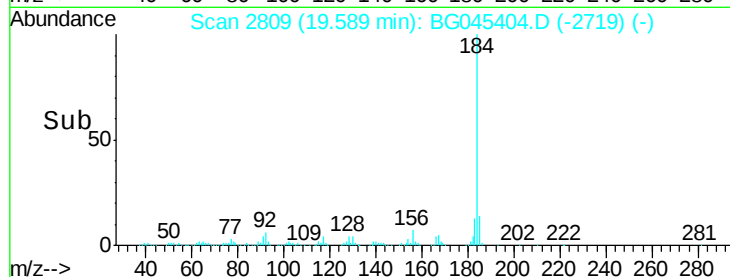
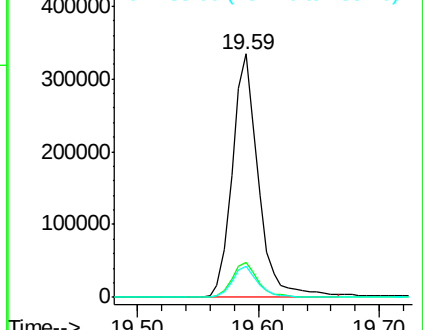
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.7	17.5
183	12.6	10.2	15.4



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: 45.989 ng

RT: 19.77 min Scan# 2840

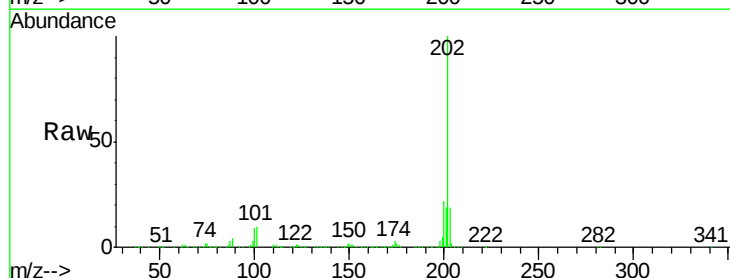
Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:202 Resp: 1054690

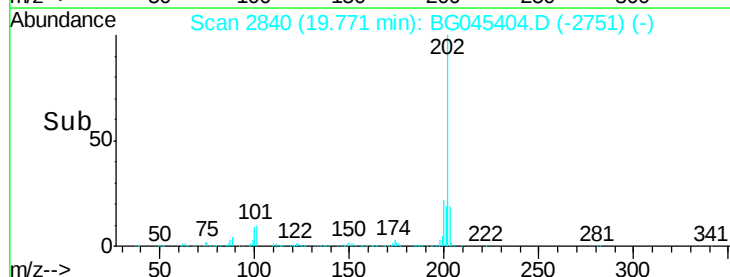
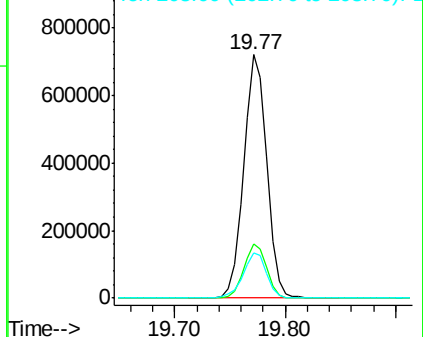
Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.2	27.2
203	18.6	15.1	22.7

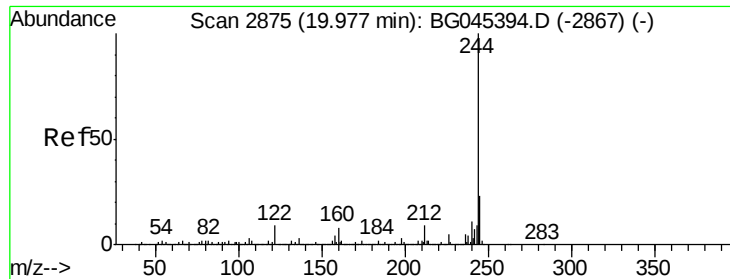


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 94.650 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

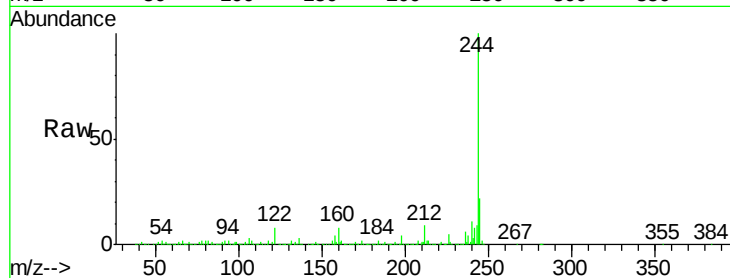
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1632680

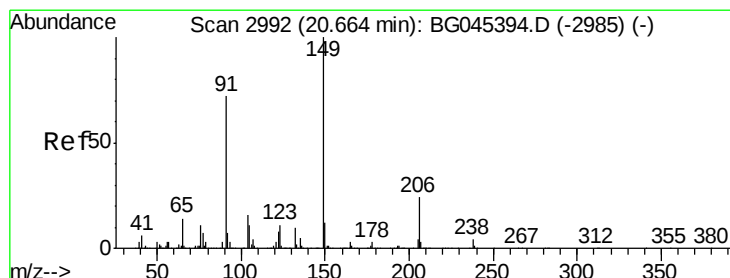
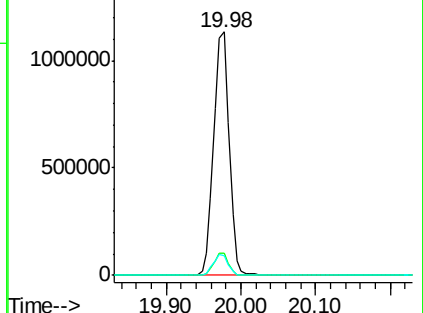
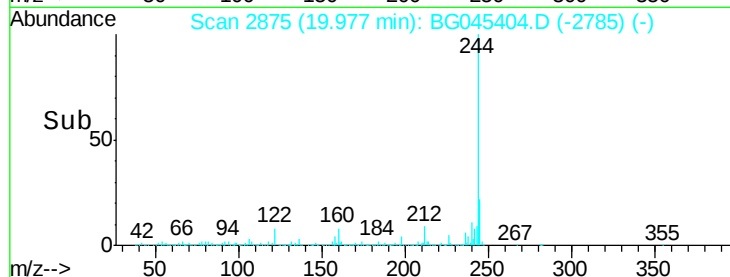
Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.4	11.0
122	8.2	6.8	10.2



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: 44.094 ng

RT: 20.66 min Scan# 2992

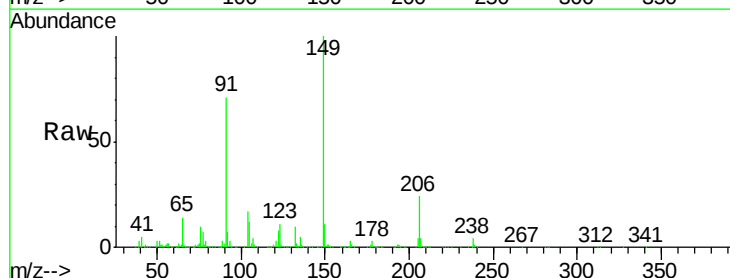
Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:149 Resp: 436480

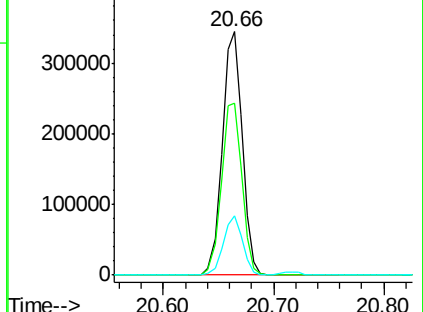
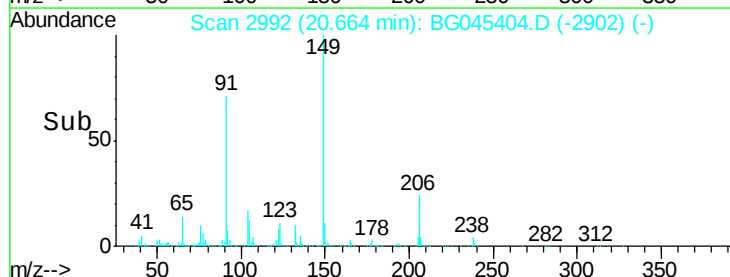
Ion	Ratio	Lower	Upper
149	100		
91	70.5	57.8	86.6
206	24.4	19.1	28.7

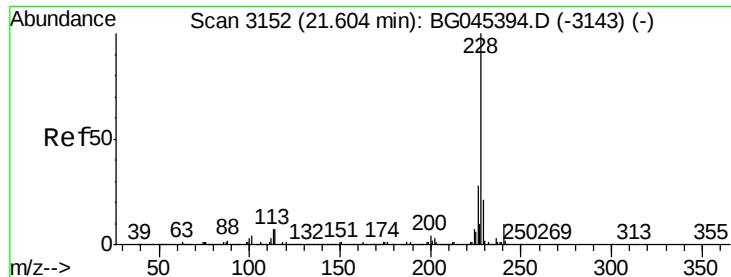


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.457 ng

RT: 21.60 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

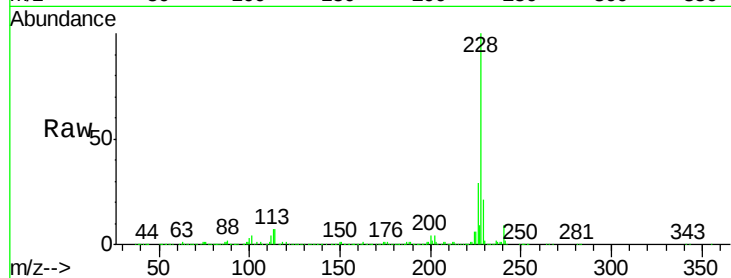
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1018766

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.7	34.1
229	20.8	16.7	25.1

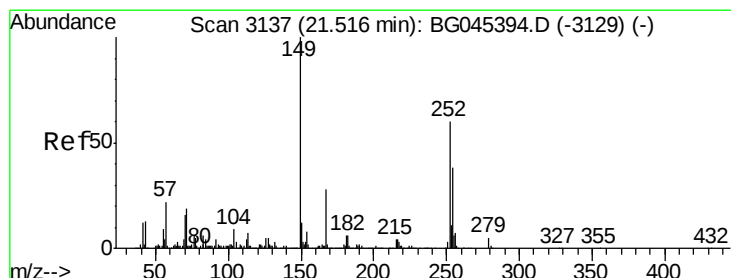
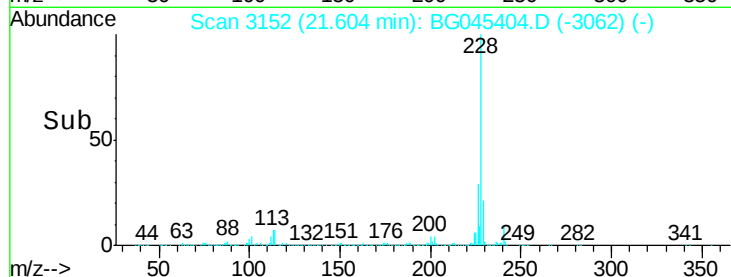
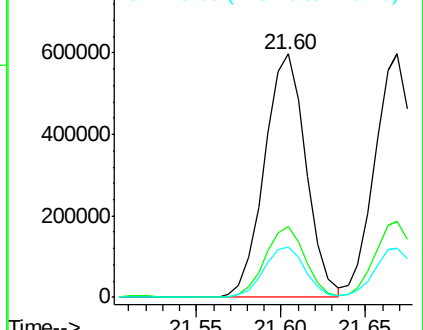


Abundance

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: 30.821 ng

RT: 21.52 min Scan# 3137

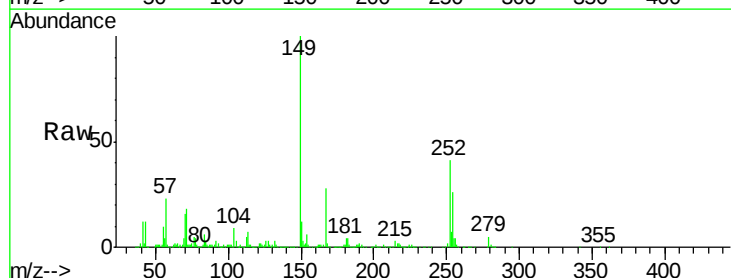
Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:252 Resp: 270954

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.3	76.9
126	8.1	6.6	10.0

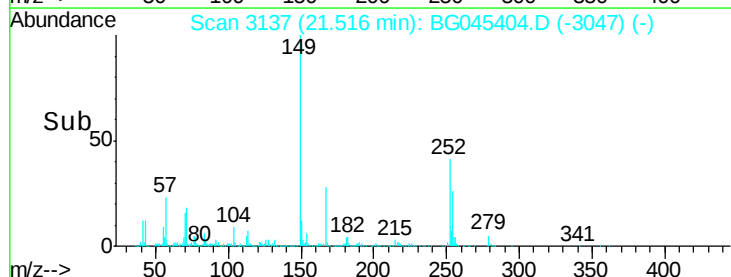
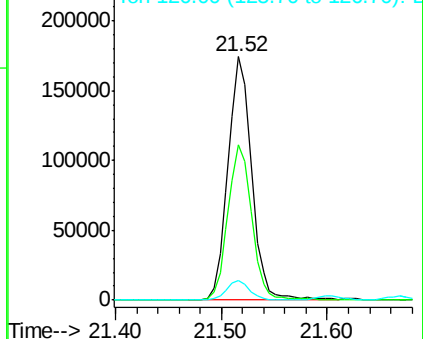


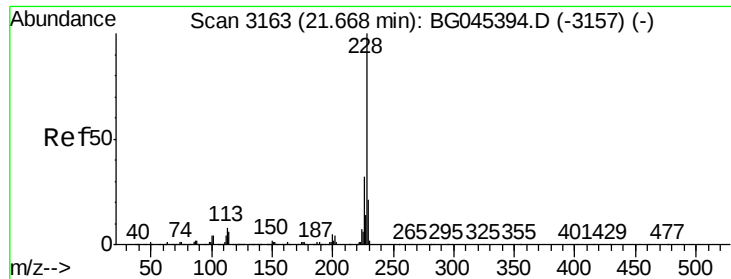
Abundance

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

Chrvsene

Concen: 45.373 ng

RT: 21.67 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

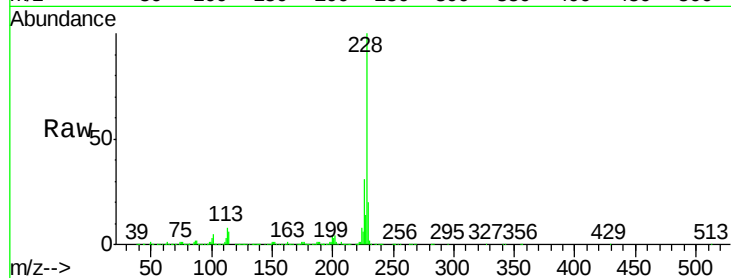
Tot Ion:228 Resp: 977765

Ion Ratio Lower Upper

228 100

226 31.4 25.2 37.8

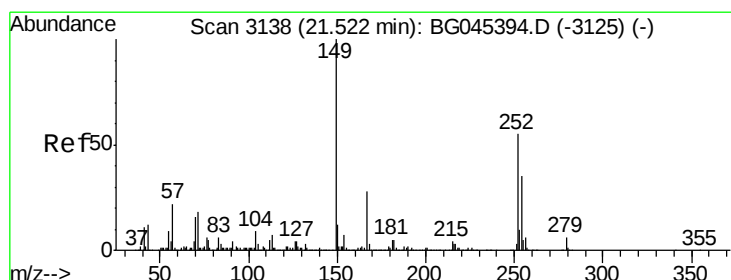
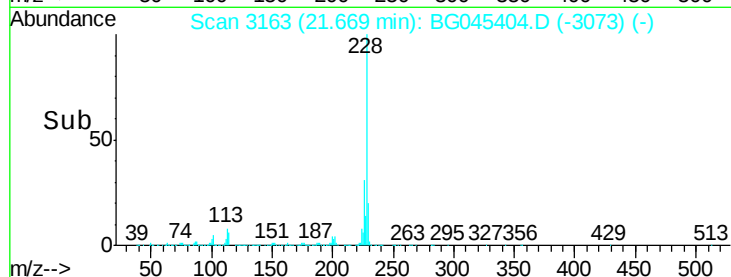
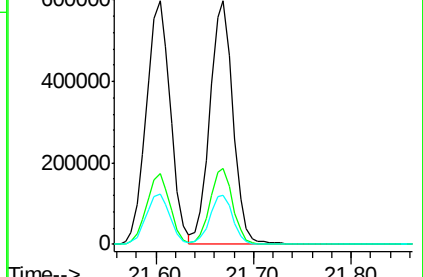
229 20.2 16.7 25.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.358 ng

RT: 21.52 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

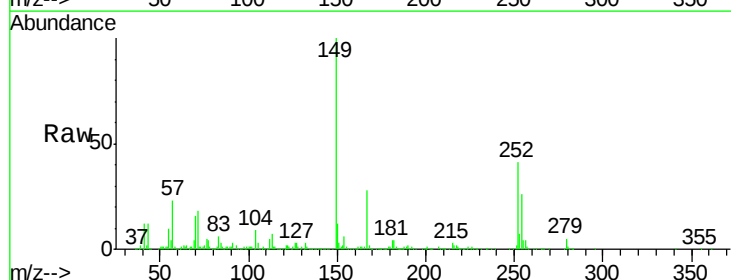
Tgt Ion:149 Resp: 617193

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.2

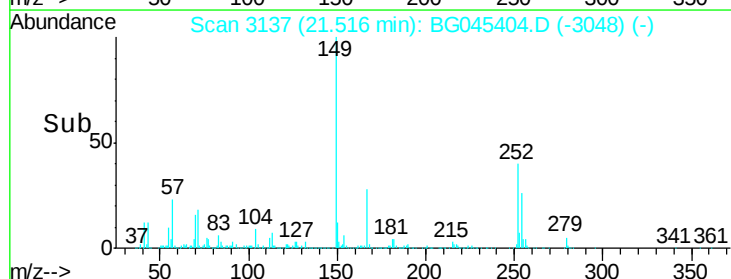
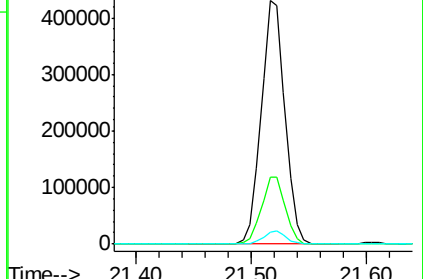
279 5.0 4.7 7.1

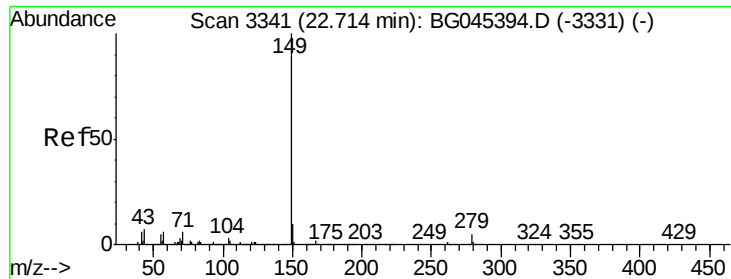


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 44.650 ng

RT: 22.71 min Scan# 3341

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

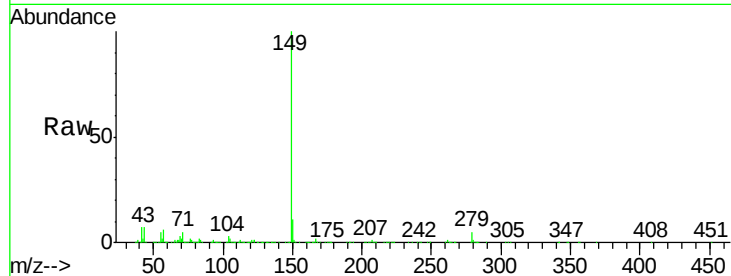
Tot Ion:149 Resp: 1043495

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

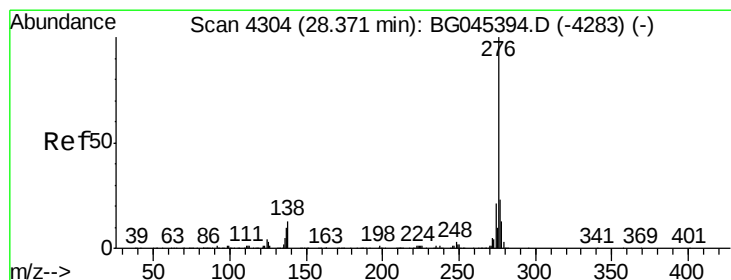
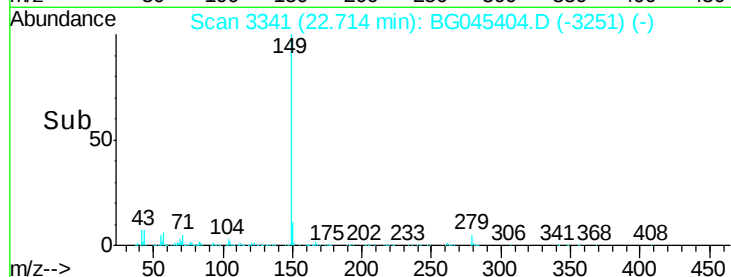
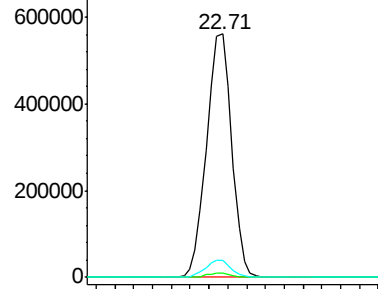
43 7.1 5.8 8.8



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: 46.369 ng

RT: 28.36 min Scan# 4302

Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

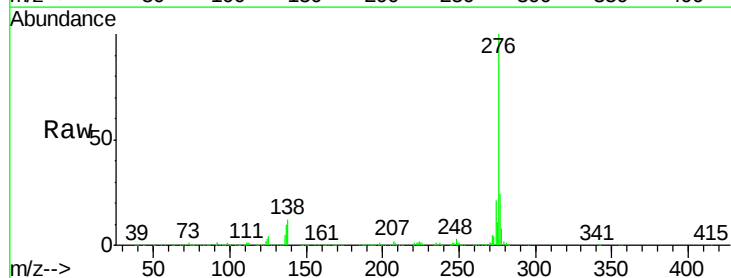
Tgt Ion:276 Resp: 1306667

Ion Ratio Lower Upper

276 100

138 8.5 8.6 12.8#

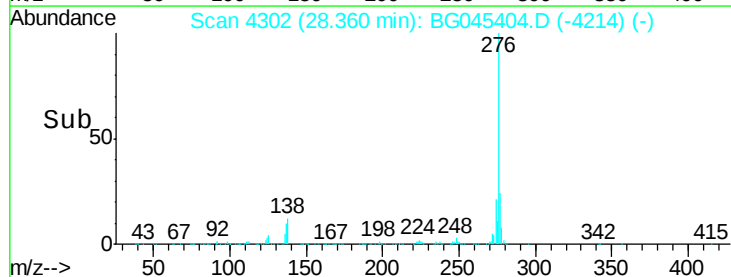
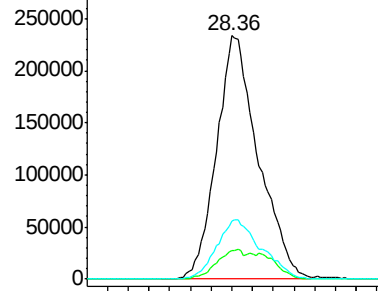
277 26.1 20.2 30.4

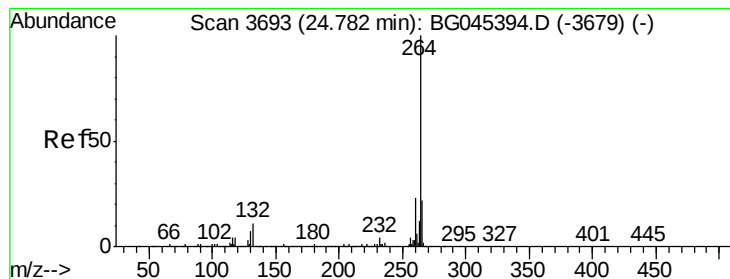


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.78 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

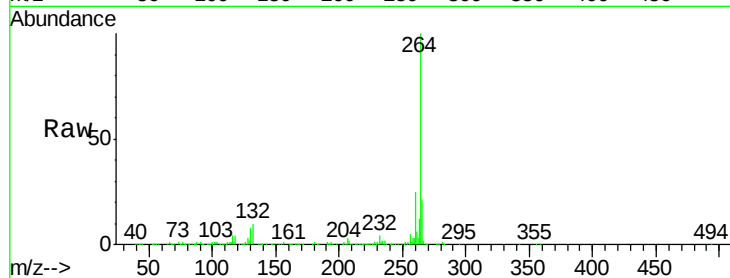
Tot Ion:264 Resp: 460896

Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.4

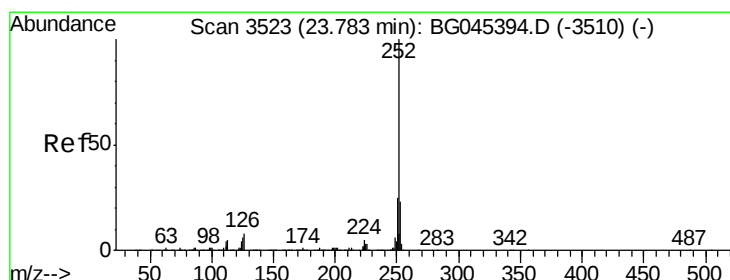
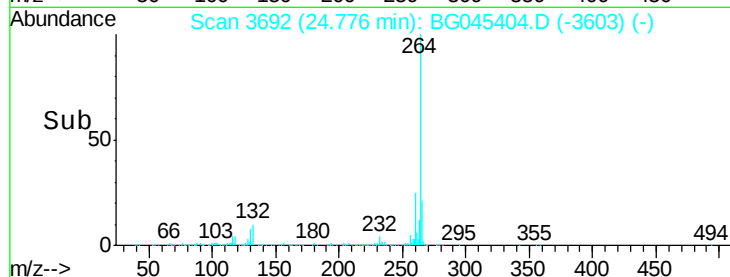
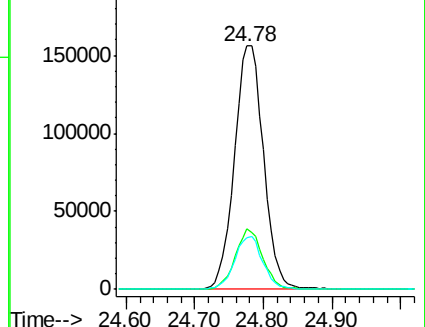
265 21.4 17.6 26.4



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: 44.184 ng

RT: 23.78 min Scan# 3523

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

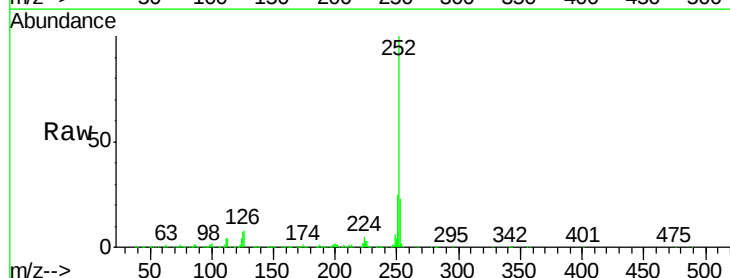
Tgt Ion:252 Resp: 1092161

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

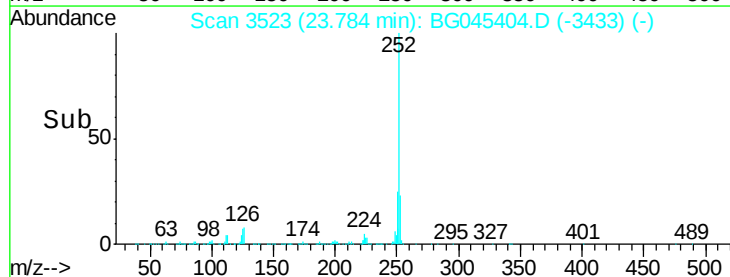
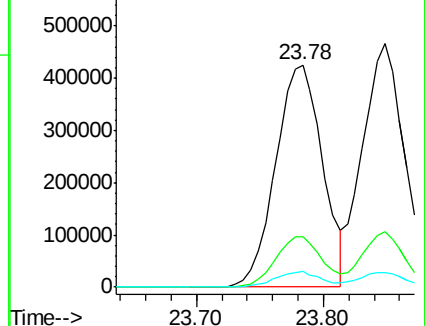
125 7.0 5.0 7.6



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: 46.379 ng

RT: 23.85 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

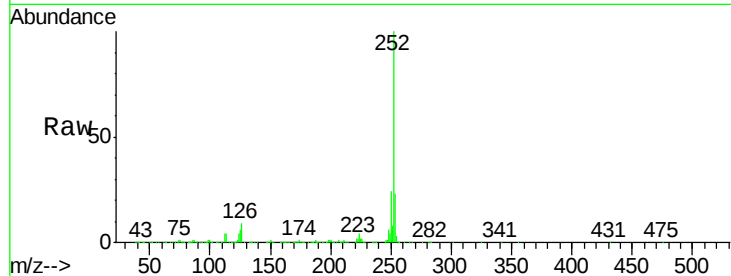
Tot Ion:252 Resp: 1077032

Ion Ratio Lower Upper

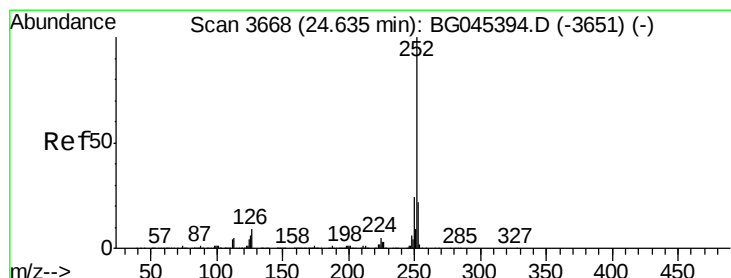
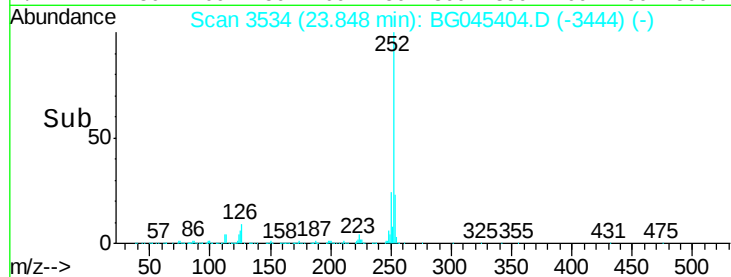
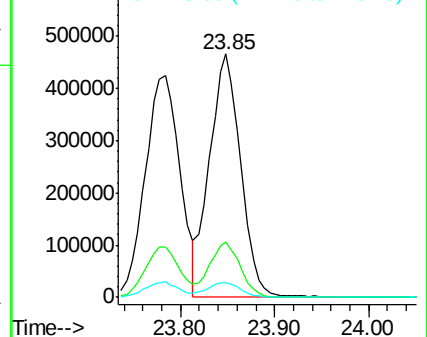
252 100

253 22.7 18.4 27.6

125 6.0 5.7 8.5



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



#90

Benzo(a)pyrene

Concen: 43.981 ng

RT: 24.63 min Scan# 3667

Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

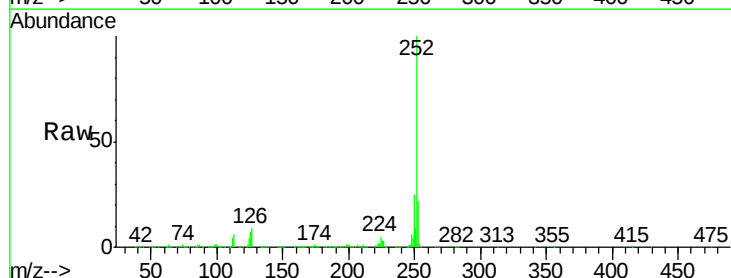
Tgt Ion:252 Resp: 1012483

Ion Ratio Lower Upper

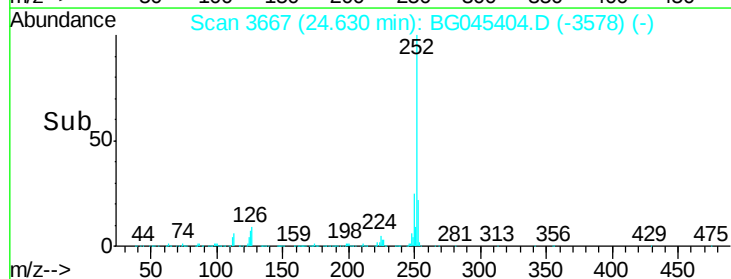
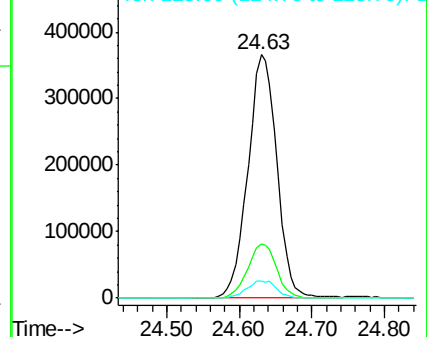
252 100

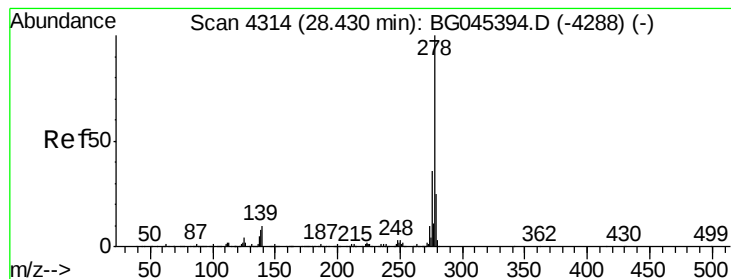
253 22.5 17.2 25.8

125 6.8 5.0 7.6



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





#91

Dibenzo(a,h)anthracene

Concen: 45.621 ng

RT: 28.43 min Scan# 4314

Delta R.T. 0.00 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

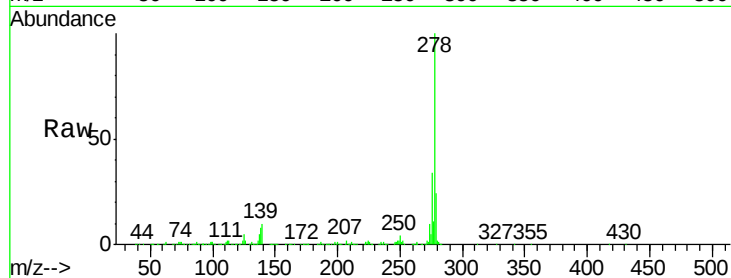
Instrument :

BNA_G

ClientSampleId :

Tot Ion:278 Resp: 1055383

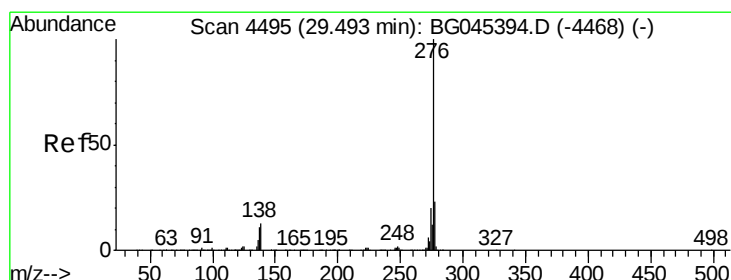
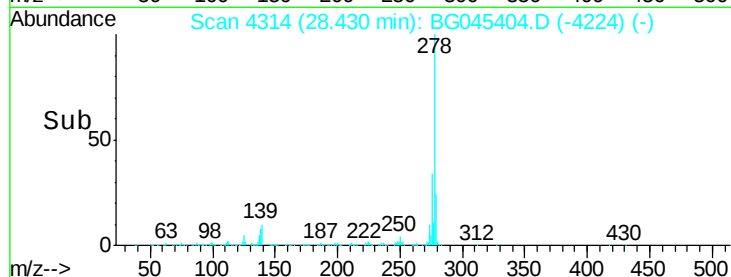
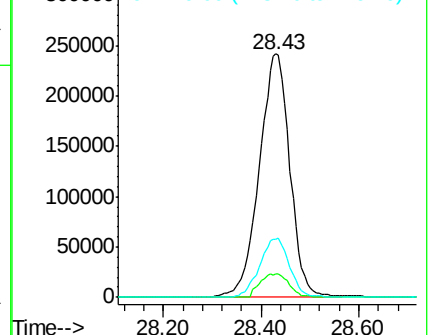
Ion	Ratio	Lower	Upper
278	100		
139	9.6	7.8	11.8
279	23.9	19.8	29.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 46.730 ng

RT: 29.49 min Scan# 4494

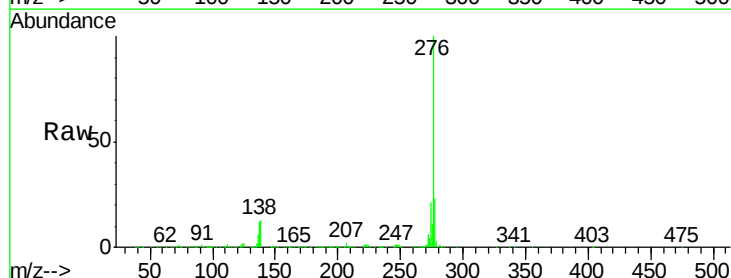
Delta R.T. -0.01 min

Lab File: BG045404.D

Acq: 15 May 2020 19:54

Tgt Ion:276 Resp: 1081187

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.1	27.1
138	13.0	10.2	15.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

