

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051920\
 Data File : BG045424.D
 Acq On : 19 May 2020 14:10
 Operator : CG/JU
 Sample : L2447-12DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 19 14:47:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 12:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	85387	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	340258	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	251618	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	595058	20.00	ng	0.00
76) Chrysene-d12	21.62	240	572002	20.00	ng	0.00
87) Perylene-d12	24.78	264	625852	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	104495	23.92	ng	0.00
7) Phenol-d6	7.21	99	168261	27.06	ng	0.00
23) Nitrobenzene-d5	9.13	82	115227	18.47	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	84170	26.16	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	290136	19.56	ng	0.00
79) Terphenyl-d14	19.97	244	552836	22.54	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.39	93	127195	15.668	ng	# 58
10) Phenol	7.23	94	127481	19.890	ng	96
11) bis(2-Chloroethyl)ether	7.39	93	127195	25.443	ng	99
12) 1,3-Dichlorobenzene	7.86	146	127349	22.117	ng	96
13) 1,4-Dichlorobenzene	8.00	146	227487	40.035	ng	100
14) 1,2-Dichlorobenzene	8.33	146	138985	25.431	ng	92
19) n-Nitroso-di-n-propylamine	8.77	70	103111	23.978	ng	99
24) Nitrobenzene	9.17	77	219970	32.904	ng	97
25) Isophorone	9.70	82	542179	44.122	ng	99
26) 2-Nitrophenol	9.89	139	48527	16.969	ng	# 86
28) bis(2-Chloroethoxy)methane	10.18	93	236835	36.751	ng	98
29) 2,4-Dichlorophenol	10.46	162	176706	35.280	ng	96
30) 1,2,4-Trichlorobenzene	10.64	180	235820	39.844	ng	99
32) Benzoic acid	9.89	122	3503	10.983	ng	# 12
34) Hexachlorobutadiene	11.12	225	175494	41.948	ng	96
35) Caprolactam	12.12	113	6064	3.298	ng	# 31
36) 4-Chloro-3-methylphenol	12.12	107	192909	34.179	ng	99
37) 2-Methylnaphthalene	12.44	142	89879	7.605	ng	95
38) 1-Methylnaphthalene	12.44	142	89879	8.051	ng	96
43) 2,4,6-Trichlorophenol	13.07	196	49398	10.118	ng	97
44) 2,4,5-Trichlorophenol	13.07	196	49398	8.854	ng	# 93
47) 2-Chloronaphthalene	13.49	162	357785	28.498	ng	100
49) Acenaphthylene	14.34	152	307242	15.236	ng	97
50) Dimethylphthalate	14.07	163	222514	12.891	ng	99
51) 2,6-Dinitrotoluene	14.18	165	76003	19.513	ng	93
52) Acenaphthene	14.68	154	81618	6.046	ng	94
53) 3-Nitroaniline	15.01	138	10312	2.604	ng	# 2
55) Dibenzofuran	15.01	168	595285	29.696	ng	99
56) 4-Nitrophenol	14.91	139	43532	14.522	ng	96
60) Diethylphthalate	15.43	149	540025	30.059	ng	98
61) 4-Chlorophenyl-phenylether	15.65	204	248387	26.357	ng	97
63) Azobenzene	15.65	77	94114	5.618	ng	# 53
67) 4-Bromophenyl-phenylether	16.55	248	191249	29.681	ng	96
74) Di-n-butylphthalate	18.33	149	1012058	33.159	ng	99

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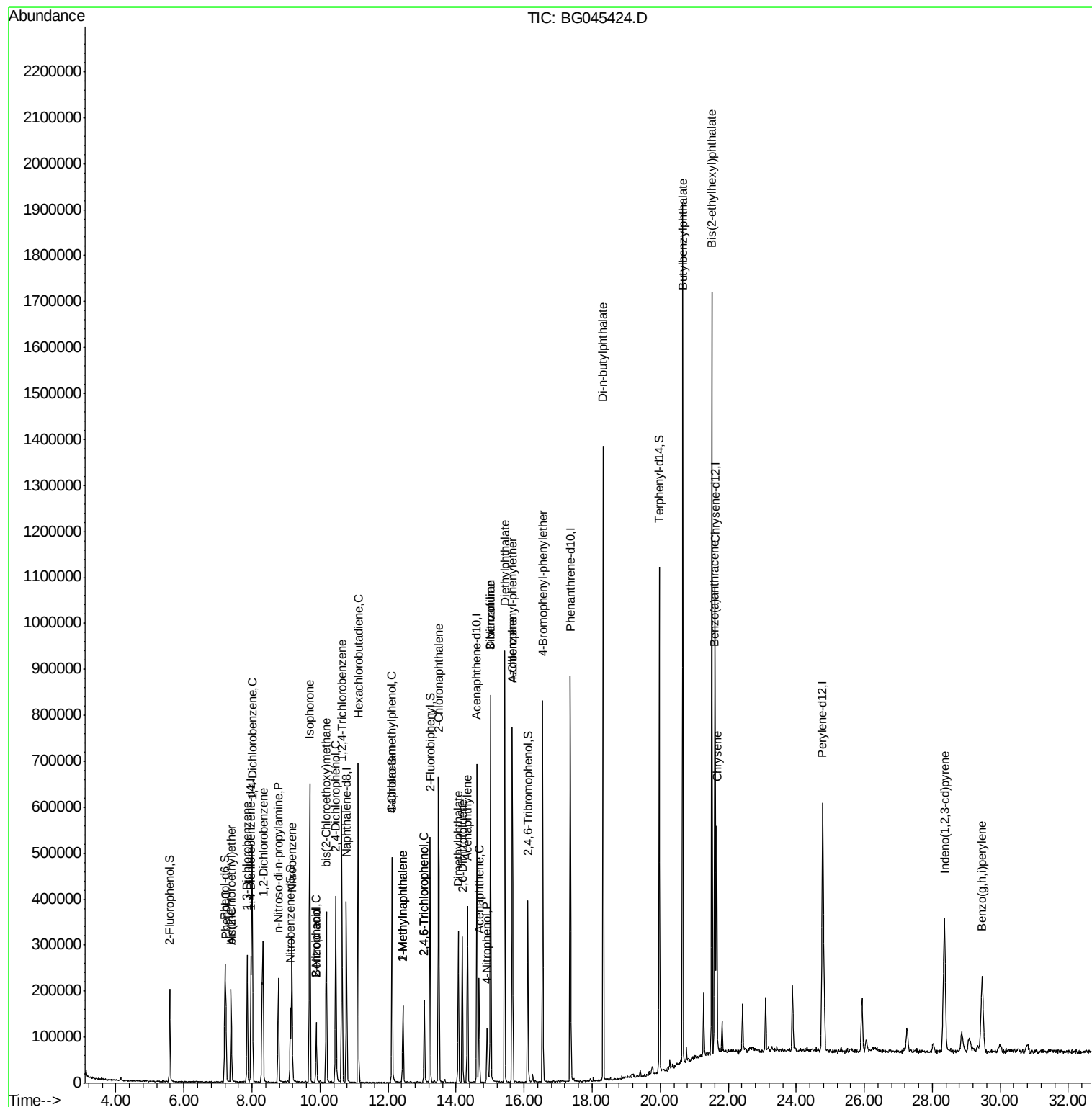
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	20.66	149	572703	40.692	nq	99
81) Benzo(a)anthracene	21.60	228	319447	10.025	nq	99
83) Chrysene	21.66	228	314108	10.252	nq	98
84) Bis(2-ethylhexyl)phthalate	21.52	149	720565	37.245	nq	99
86) Indeno(1,2,3-cd)pyrene	28.35	276	510418	12.740	nq #	96
92) Benzo(a,h,i)perylene	29.47	276	336326	10.705	nq	97

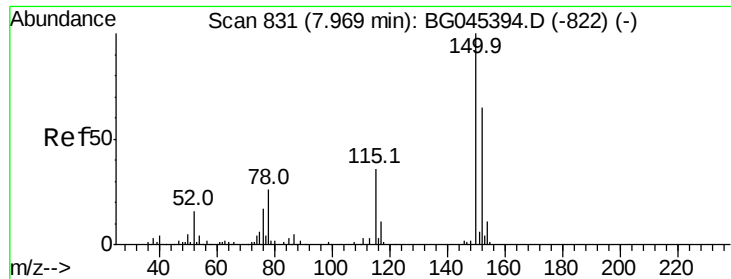
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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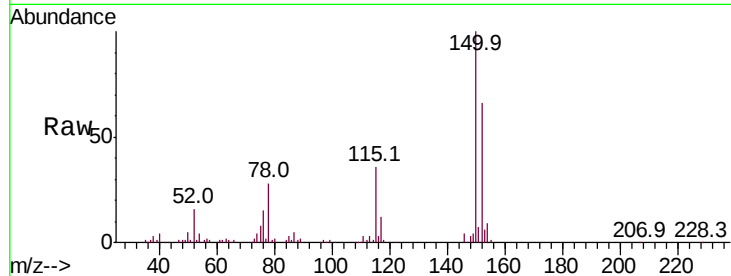


#1

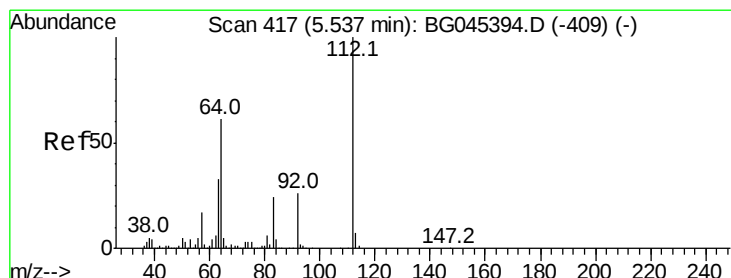
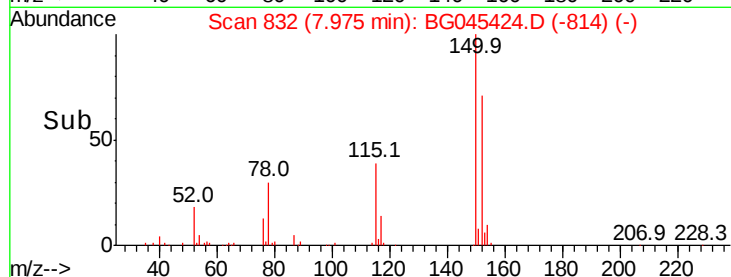
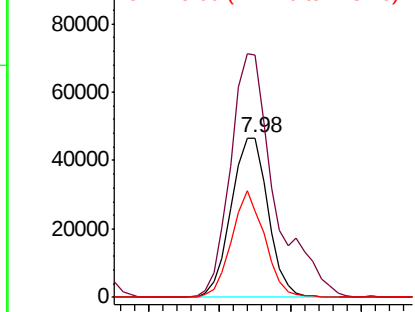
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. 0.01 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Tot Ion:152 Resp: 85387
Ion Ratio Lower Upper
152 100
150 151.7 122.4 183.6
115 54.1 44.2 66.4



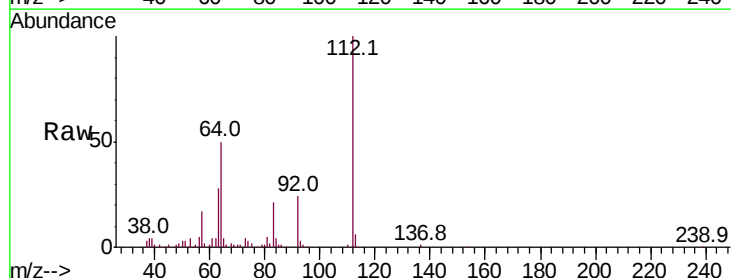
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



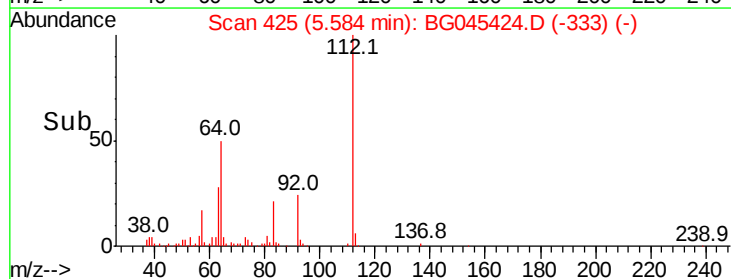
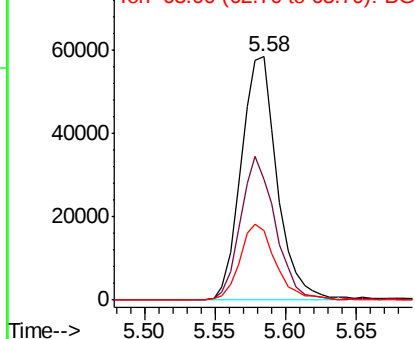
#5

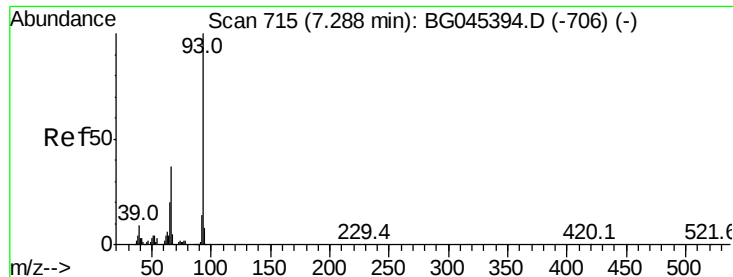
2-Fluorophenol
Concen: 23.916 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.01 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion:112 Resp: 104495
Ion Ratio Lower Upper
112 100
64 49.5 48.6 72.8
63 28.3 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#6

Aniline

Concen: 15.668 ng

RT: 7.39 min Scan# 732

Delta R.T. 0.09 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

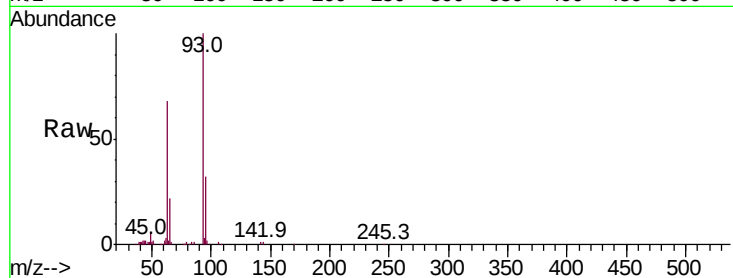
Tot Ion: 93 Resp: 127195

Ion Ratio Lower Upper

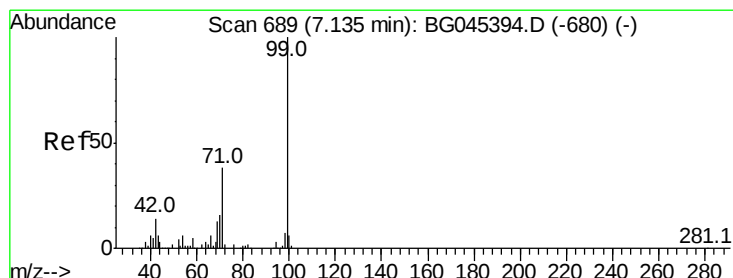
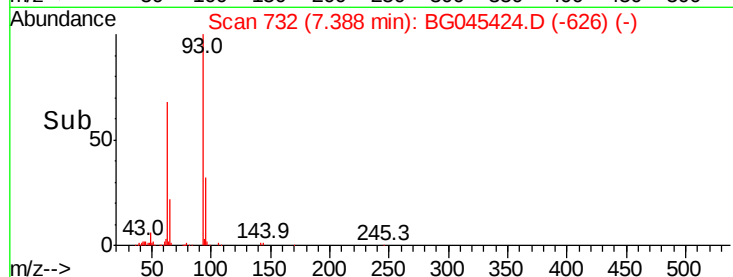
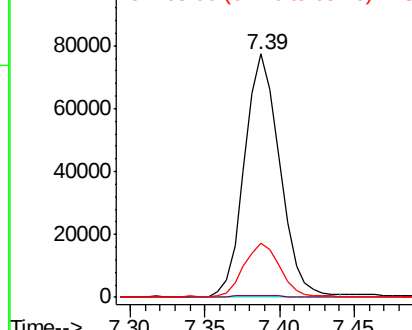
93 100

66 0.7 29.6 44.4#

65 22.4 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: 27.057 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

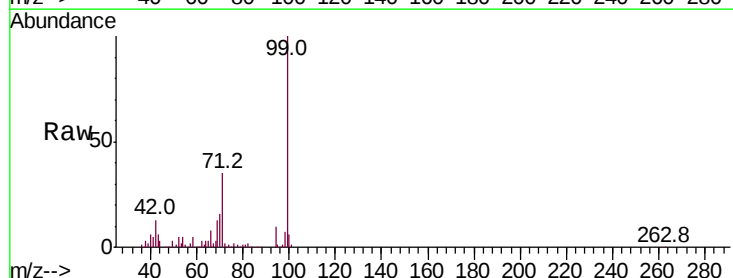
Tgt Ion: 99 Resp: 168261

Ion Ratio Lower Upper

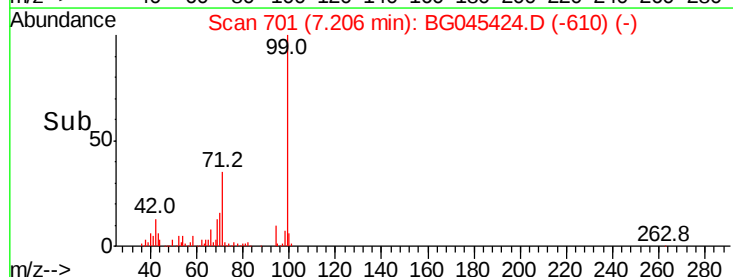
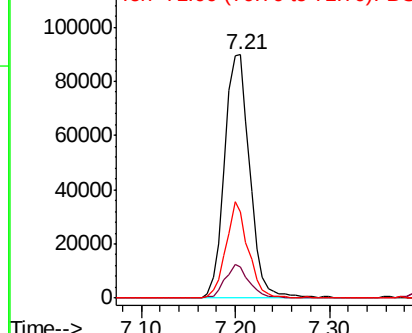
99 100

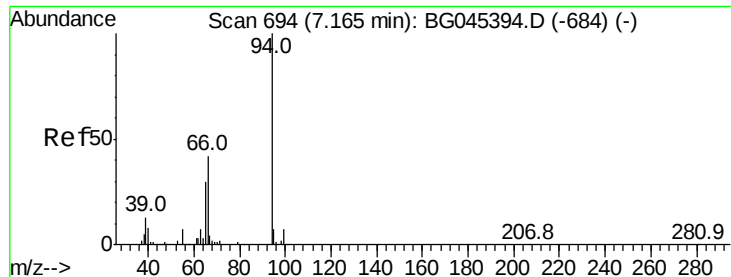
42 12.6 11.3 16.9

71 35.1 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 19.890 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

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PT-BNA-SOILD

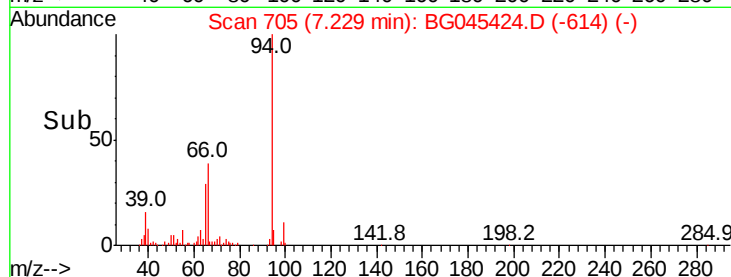
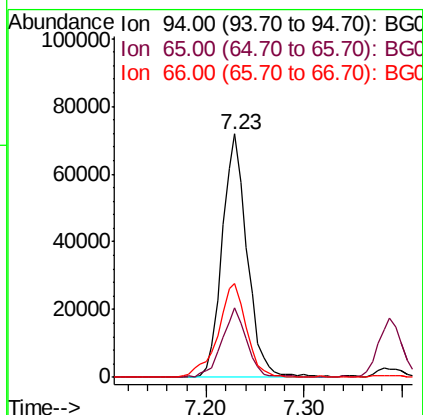
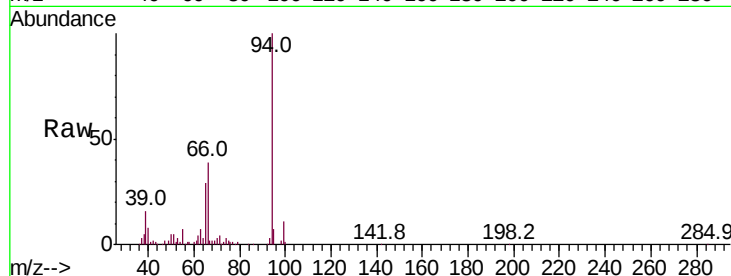
Tot Ion: 94 Resp: 127481

Ion Ratio Lower Upper

94 100

65 28.8 9.8 49.8

66 38.5 22.0 62.0



#11

bis(2-Chloroethyl)ether

Concen: 25.443 ng

RT: 7.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

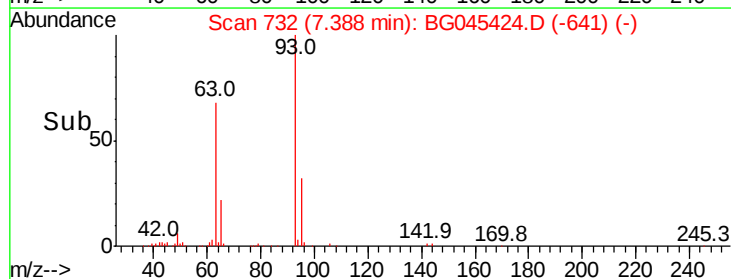
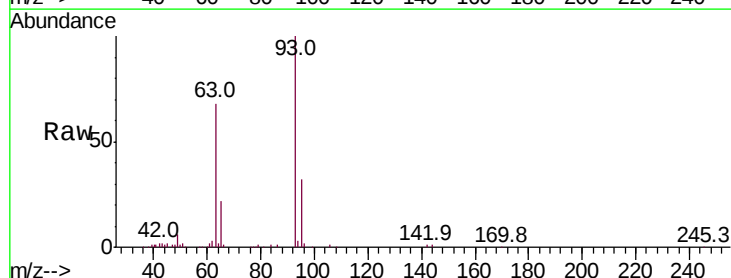
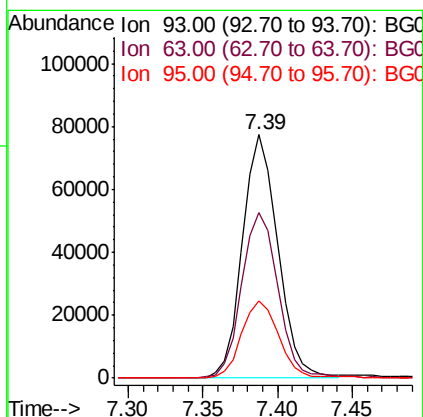
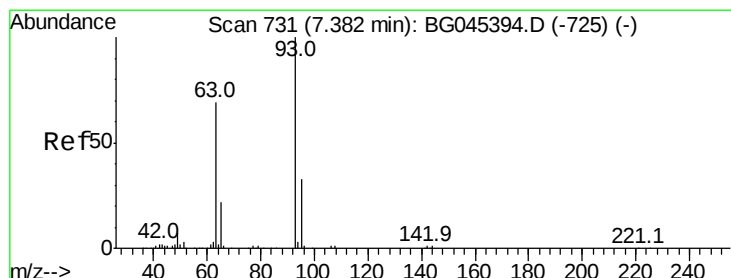
Tgt Ion: 93 Resp: 127195

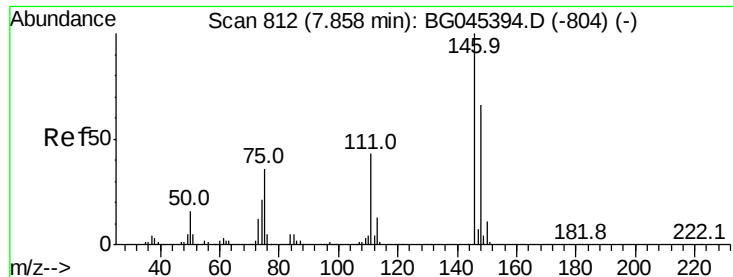
Ion Ratio Lower Upper

93 100

63 68.0 48.4 88.4

95 31.8 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 22.117 ng

RT: 7.86 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

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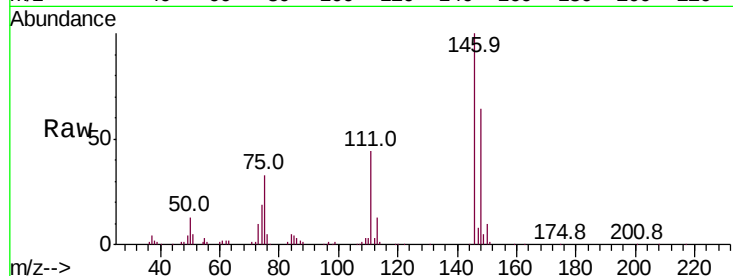
Tot Ion:146 Resp: 127349

Ion Ratio Lower Upper

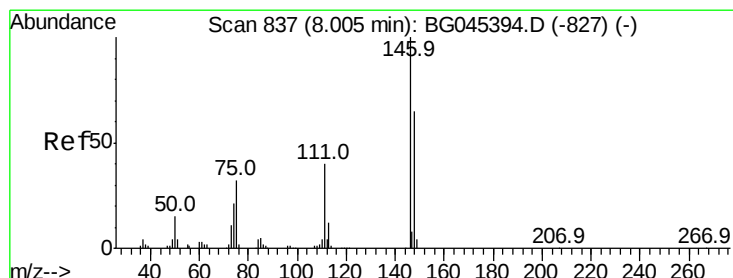
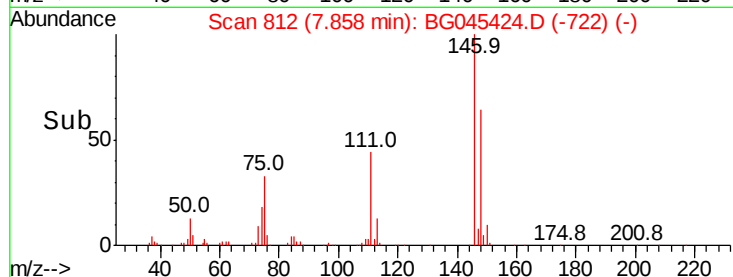
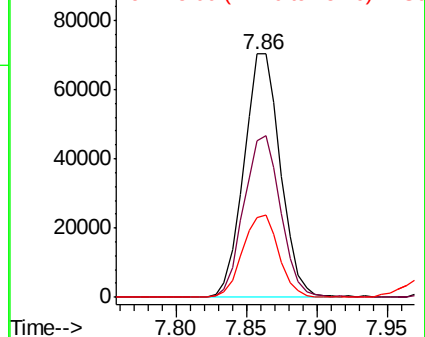
146 100

148 64.4 53.2 79.8

75 32.5 28.6 43.0



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



#13

1,4-Dichlorobenzene

Concen: 40.035 ng

RT: 8.00 min Scan# 837

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

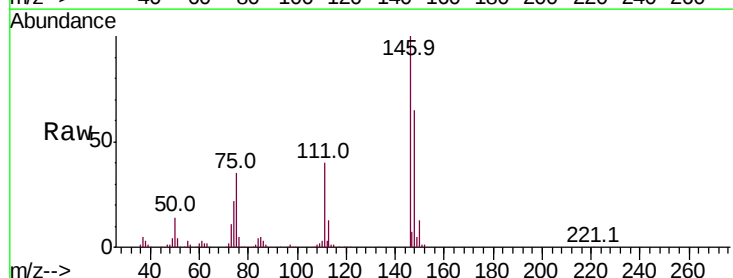
Tgt Ion:146 Resp: 227487

Ion Ratio Lower Upper

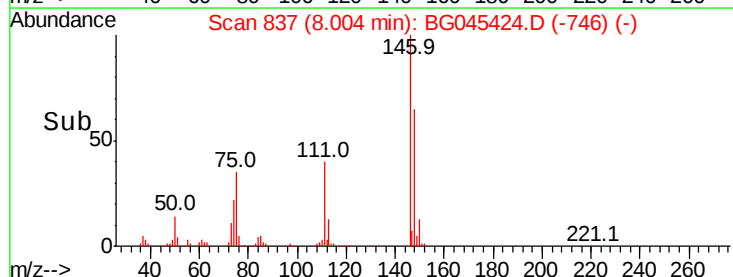
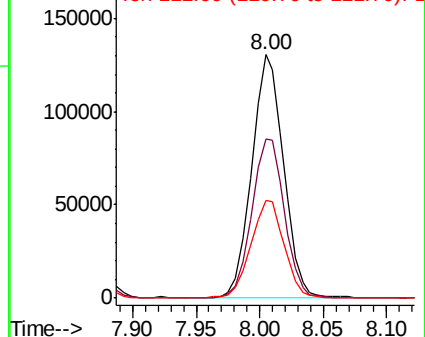
146 100

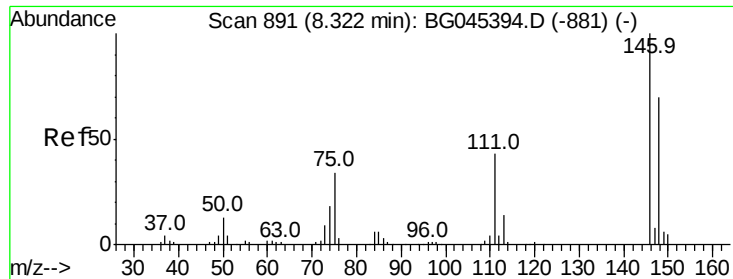
148 65.2 51.8 77.8

111 40.2 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

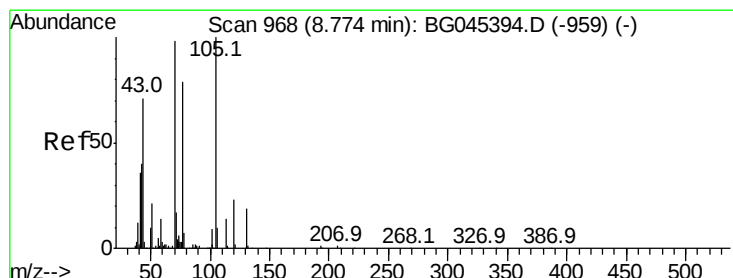
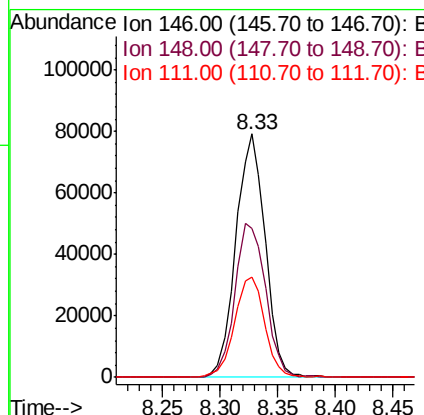
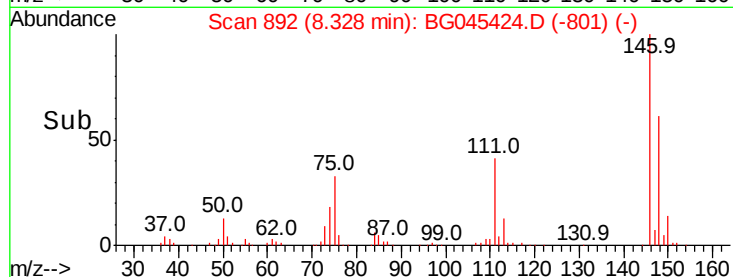
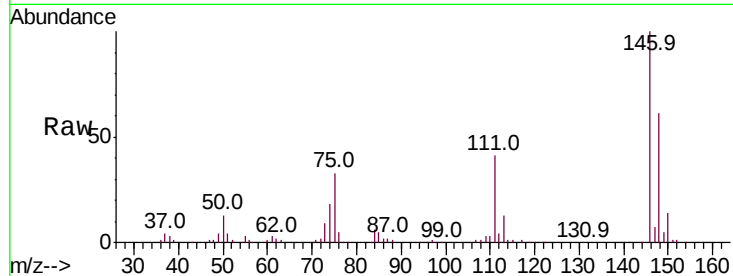




#14
1,2-Dichlorobenzene
Concen: 25.431 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

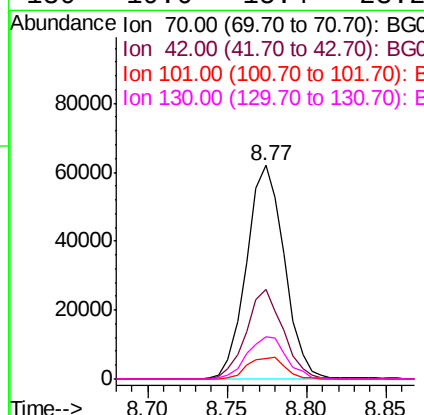
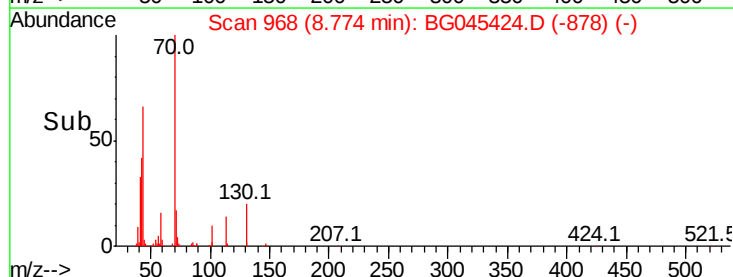
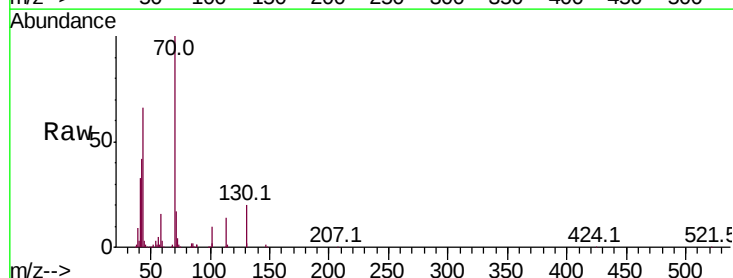
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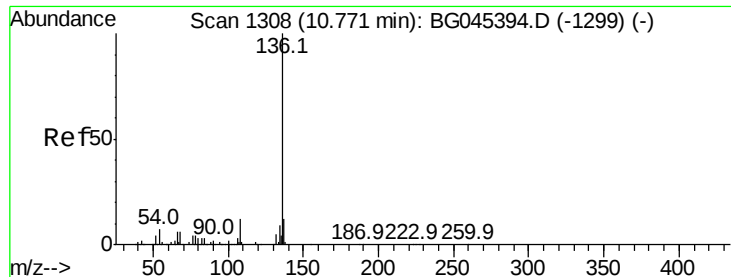
Tot Ion:146 Resp: 138985
Ion Ratio Lower Upper
146 100
148 61.2 55.9 83.9
111 41.0 35.0 52.4



#19
n-Nitroso-di-n-propylamine
Concen: 23.978 ng
RT: 8.77 min Scan# 968
Delta R.T. -0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion: 70 Resp: 103111
Ion Ratio Lower Upper
70 100
42 42.1 33.2 49.8
101 9.7 7.8 11.6
130 19.6 15.4 23.2

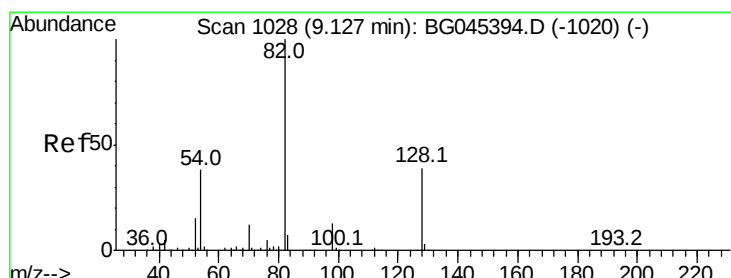
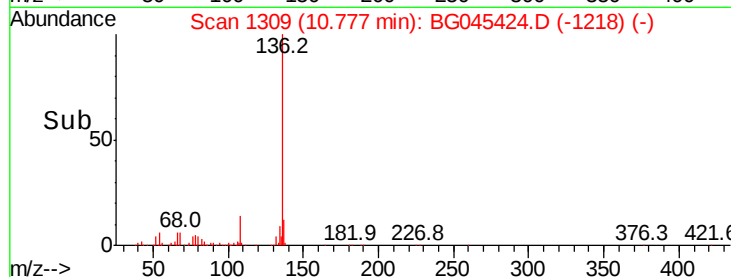
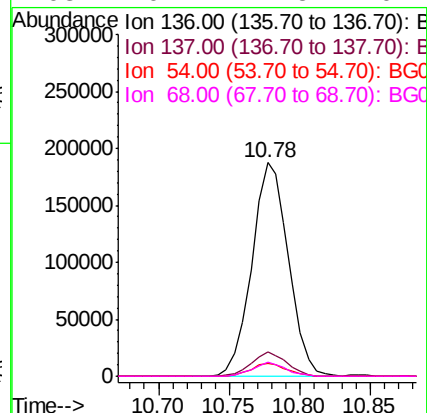
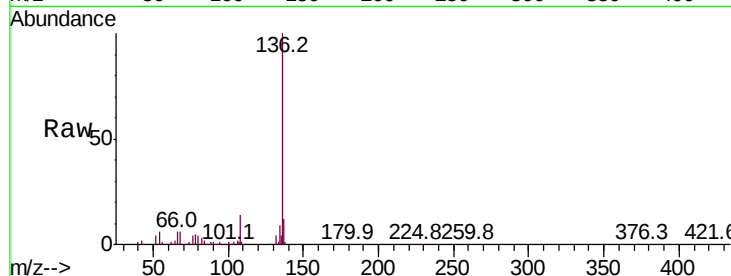




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

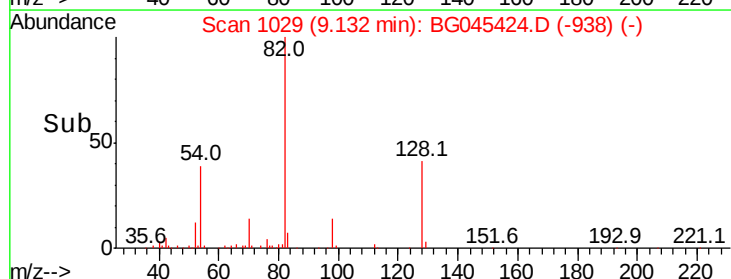
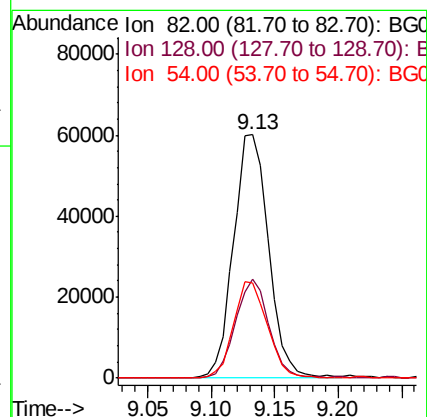
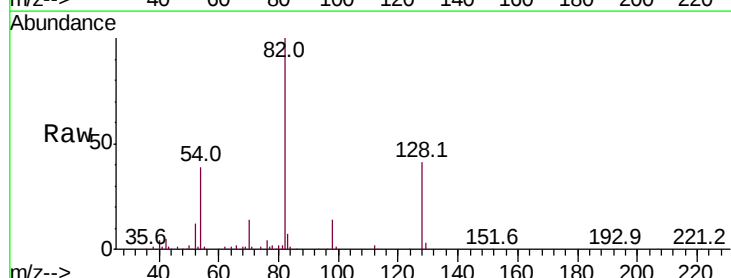
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

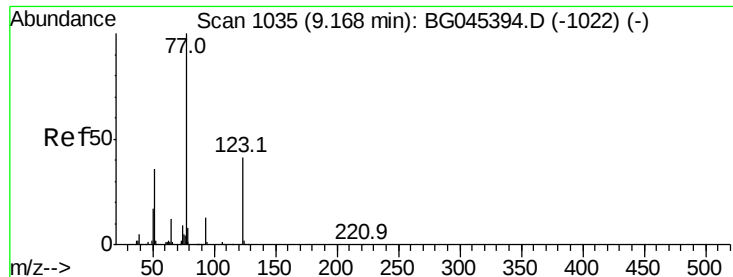
Tot Ion:136	Resp:	340258	
Ion Ratio	Lower	Upper	
136 100			
137 11.7	9.4	14.2	
54 5.9	5.8	8.6	
68 6.4	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 18.467 ng
RT: 9.13 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion: 82	Resp: 115227
Ion Ratio	Lower Upper
82 100	
128 40.8	30.9 46.3
54 39.2	30.3 45.5

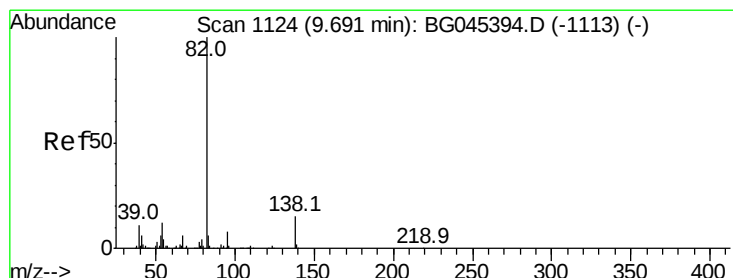
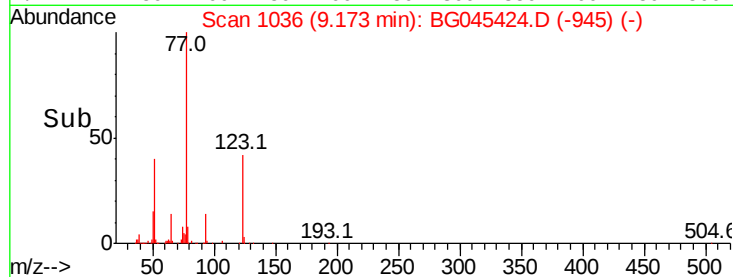
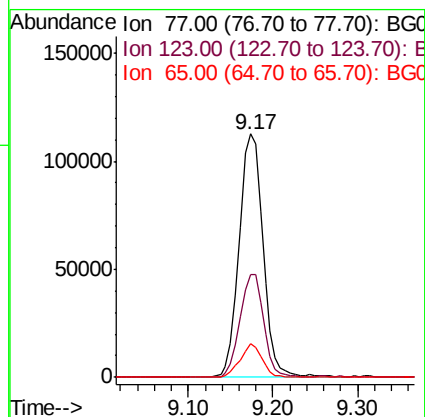
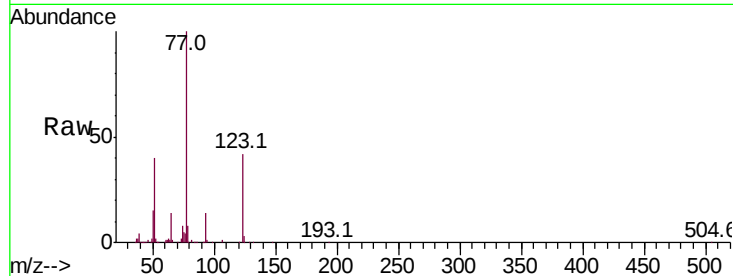




#24
 Nitrobenzene
 Concen: 32.904 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

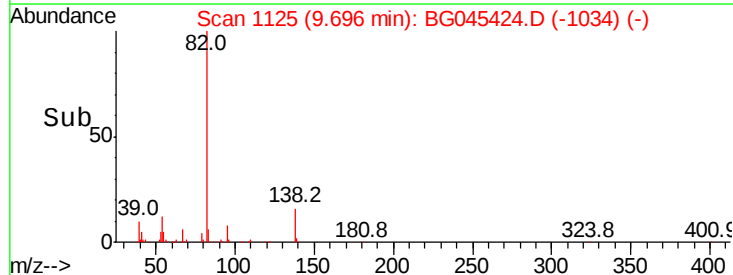
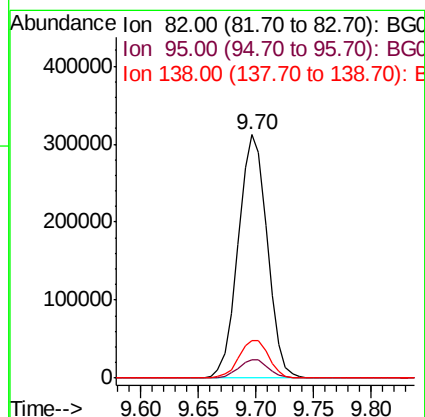
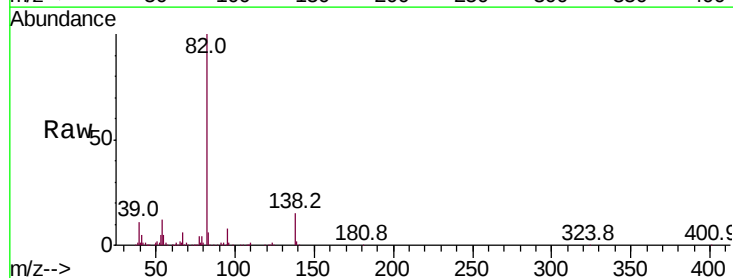
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILDL

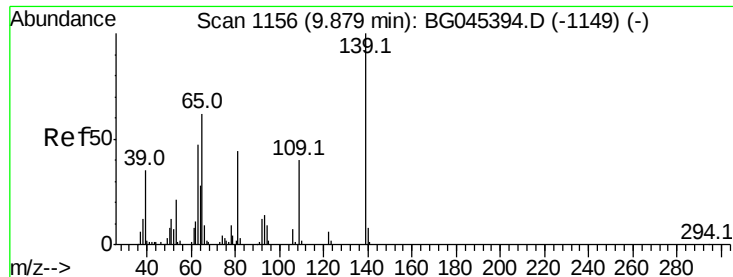
Tot Ion	Ratio	Lower	Upper
77	100		
123	42.3	32.9	49.3
65	14.0	9.4	14.2



#25
 Isophorone
 Concen: 44.122 ng
 RT: 9.70 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.7	10.1
138	15.4	12.2	18.4

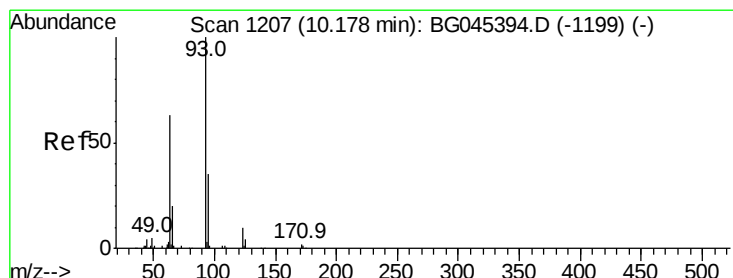
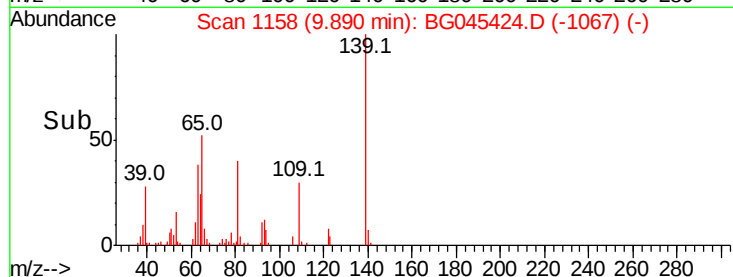
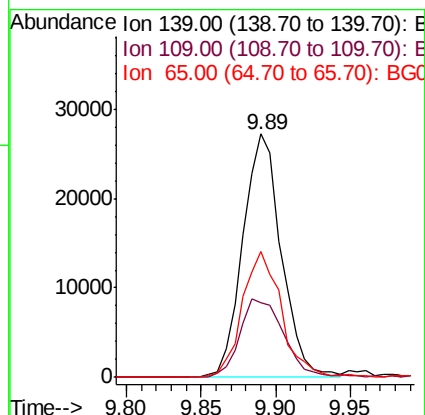
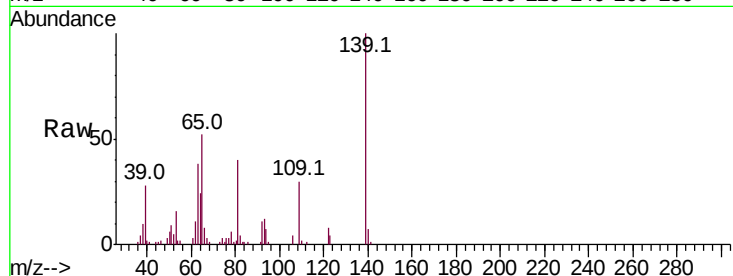




#26
2-Nitrophenol
Concen: 16.969 ng
RT: 9.89 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

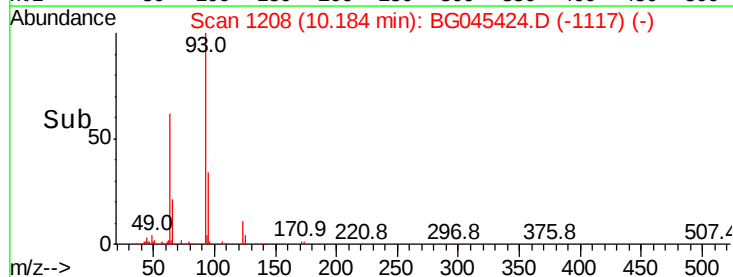
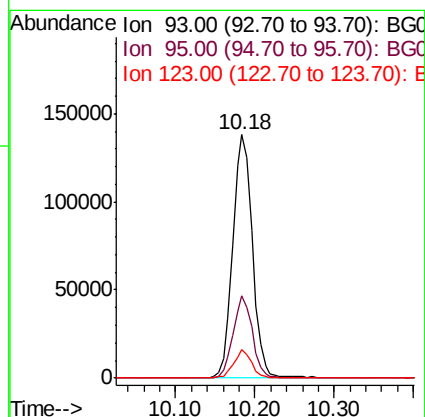
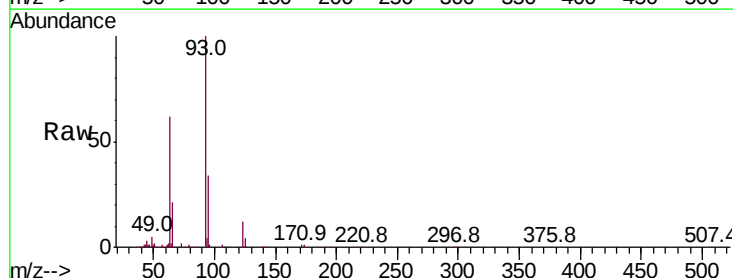
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

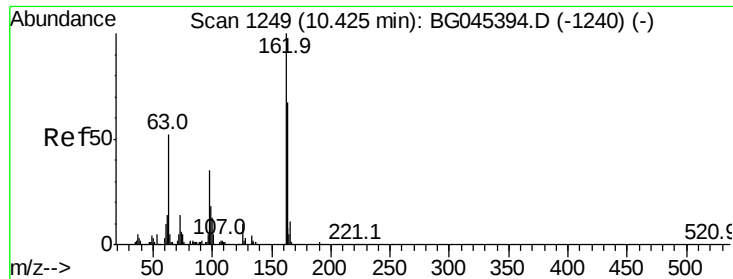
Tot Ion	Ratio	Lower	Upper
139	100		
109	30.5	32.2	48.4#
65	51.5	49.6	74.4



#28
bis(2-Chloroethoxy)methane
Concen: 36.751 ng
RT: 10.18 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.0	27.6	41.4
123	11.6	8.1	12.1





#29

2,4-Dichlorophenol

Concen: 35.280 ng

RT: 10.46 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

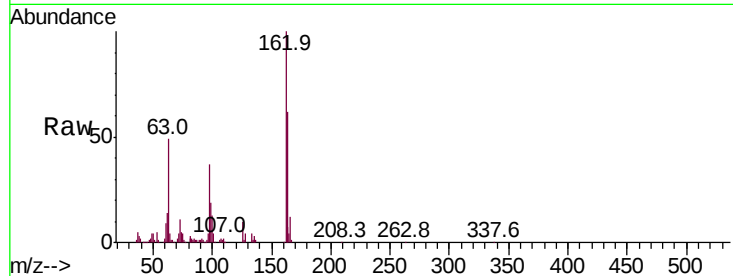
Tot Ion:162 Resp: 176706

Ion Ratio Lower Upper

162 100

164 62.5 46.8 86.8

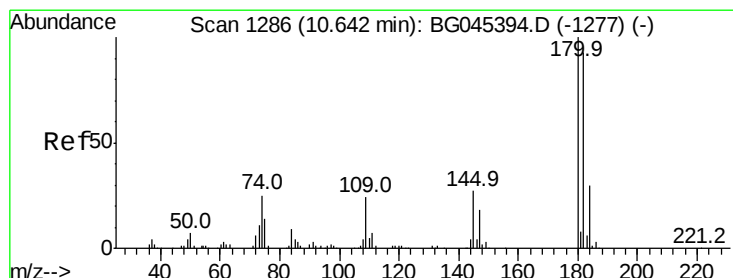
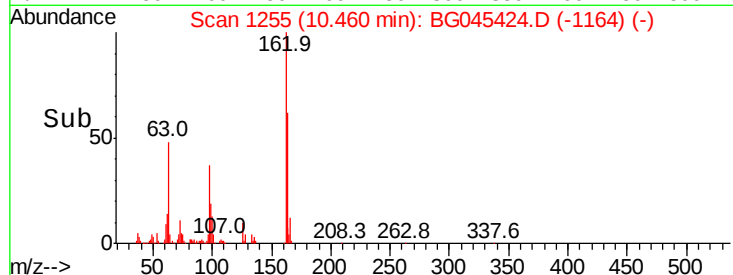
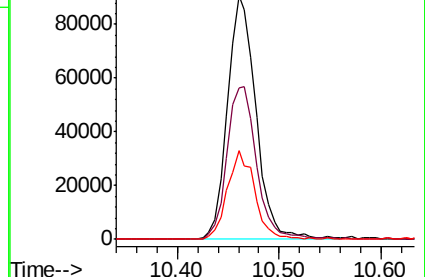
98 36.6 15.2 55.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 39.844 ng

RT: 10.64 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

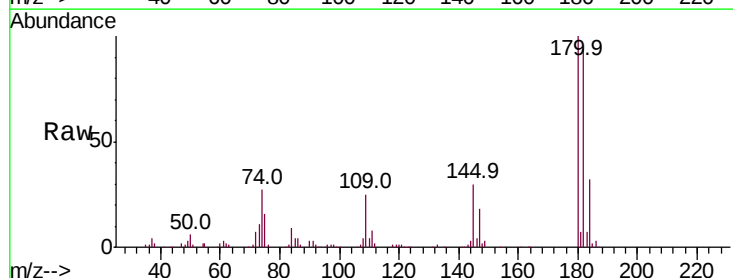
Tgt Ion:180 Resp: 235820

Ion Ratio Lower Upper

180 100

182 94.1 74.8 112.2

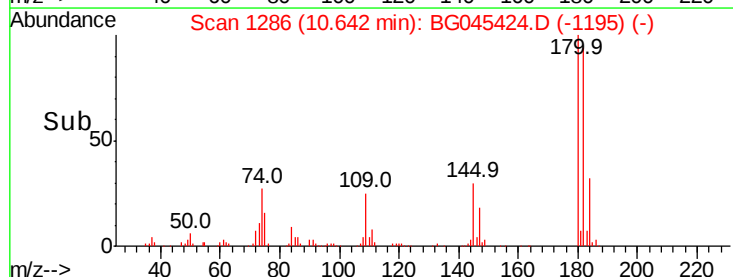
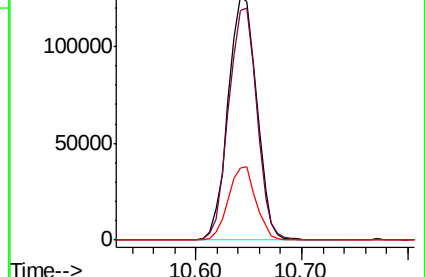
145 29.6 21.9 32.9

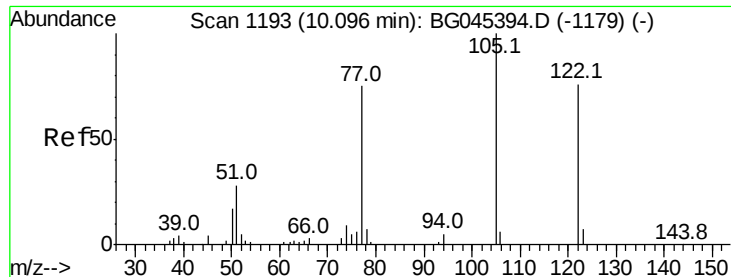


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

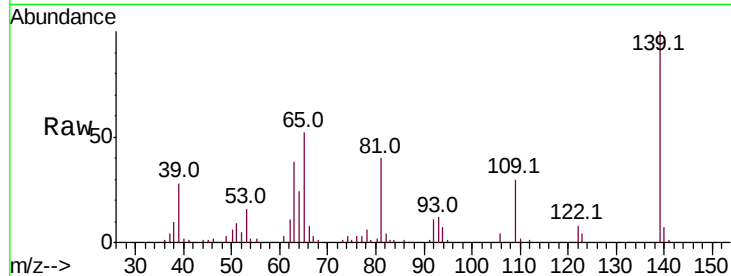




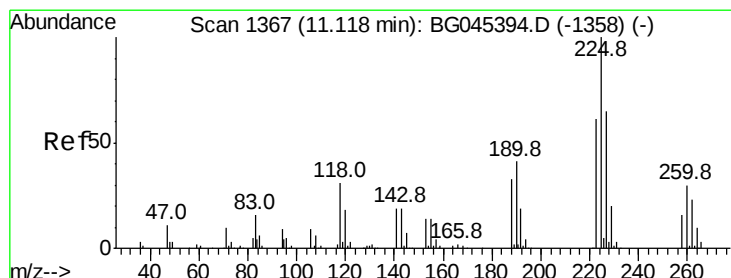
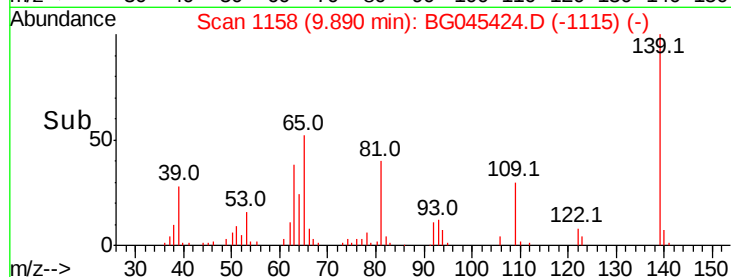
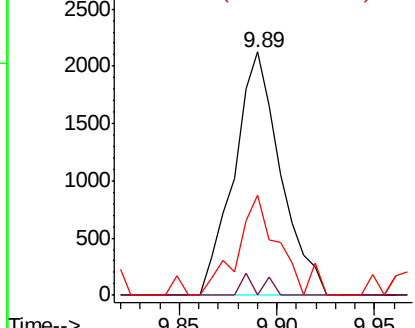
#32
Benzoic acid
Concen: 10.983 ng
RT: 9.89 min Scan# 1158
Delta R.T. -0.28 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

Tot Ion:122 Resp: 3503
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 41.1 78.9 118.9#

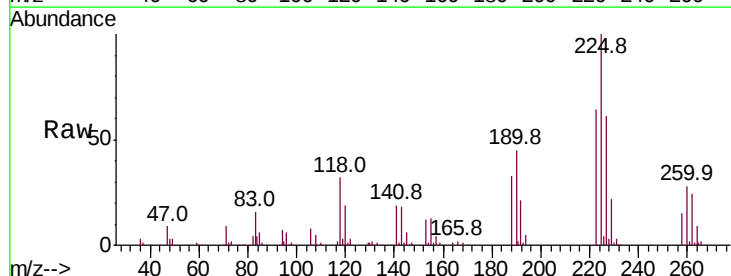


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

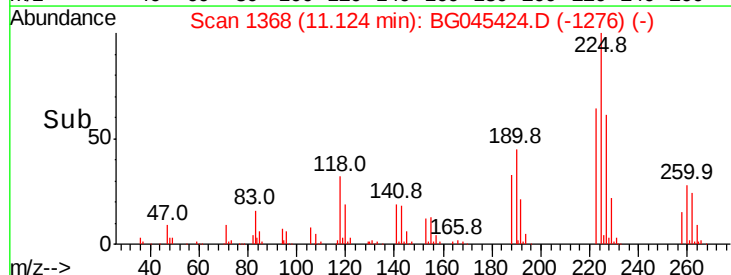
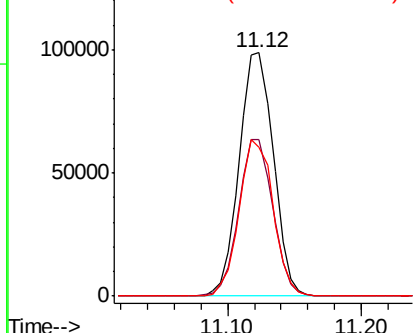


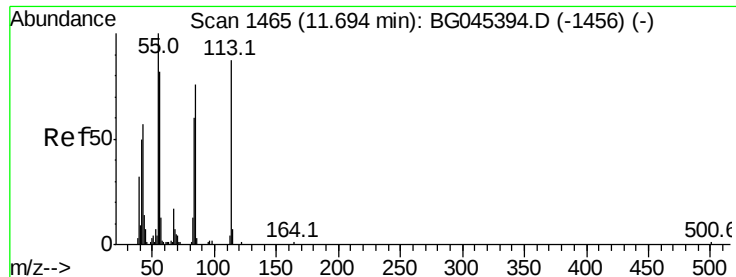
#34
Hexachlorobutadiene
Concen: 41.948 ng
RT: 11.12 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion:225 Resp: 175494
Ion Ratio Lower Upper
225 100
223 64.2 49.1 73.7
227 61.3 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: 3.298 ng

RT: 12.12 min Scan# 1538

Delta R.T. 0.41 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

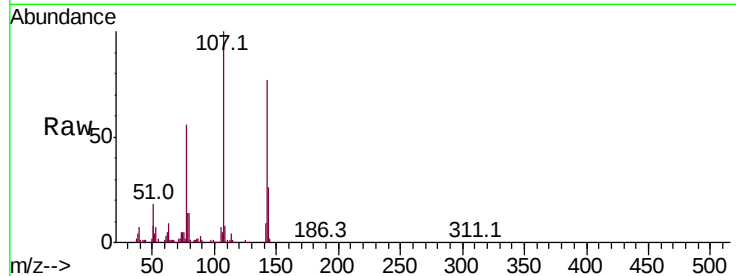
Tot Ion:113 Resp: 6064

Ion Ratio Lower Upper

113 100

55 61.8 96.0 136.0#

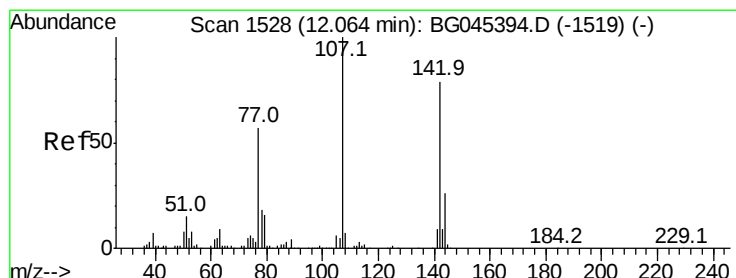
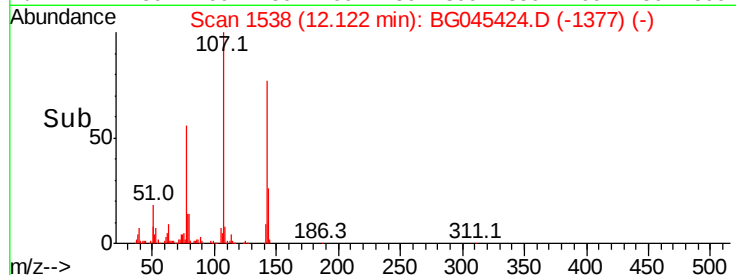
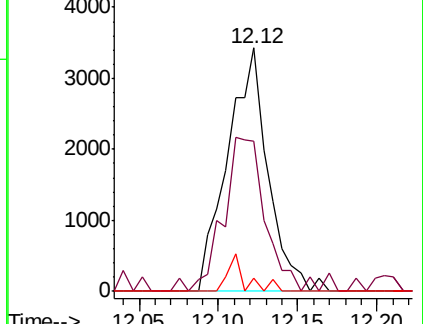
56 5.3 75.1 115.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 34.179 ng

RT: 12.12 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

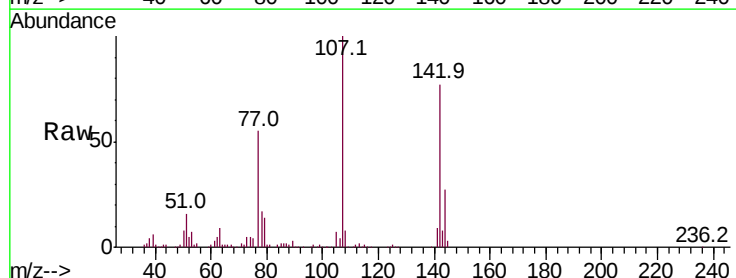
Tgt Ion:107 Resp: 192909

Ion Ratio Lower Upper

107 100

144 26.8 20.8 31.2

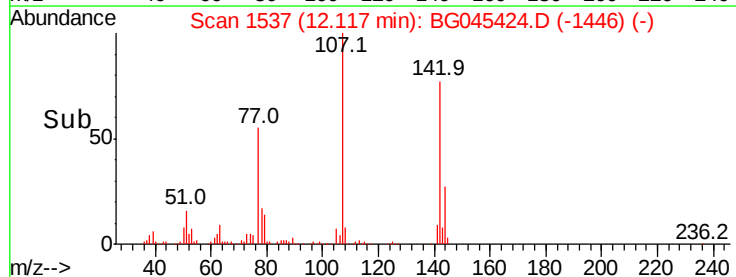
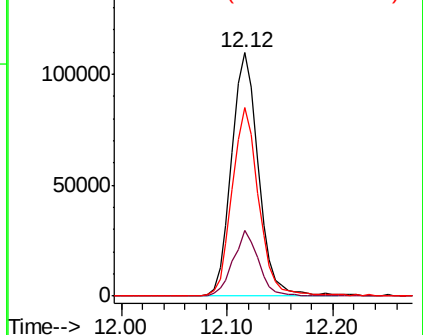
142 77.3 62.8 94.2

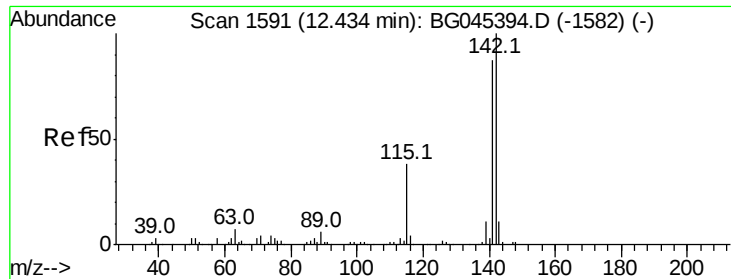


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

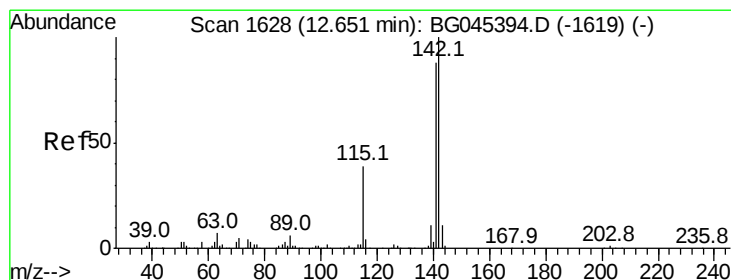
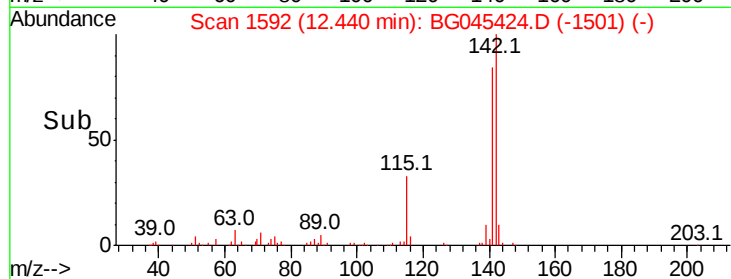
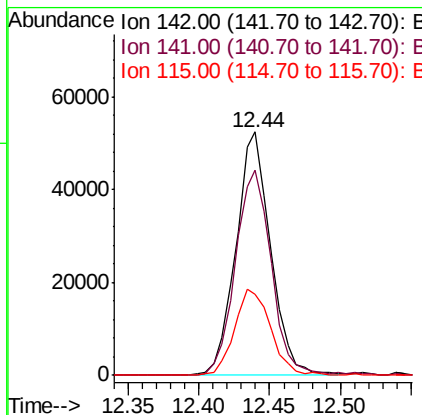
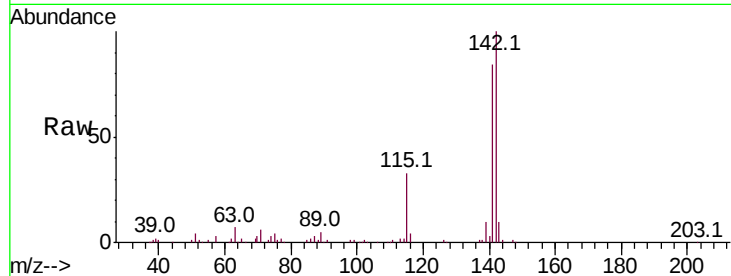




#37
2-Methylnaphthalene
Concen: 7.605 ng
RT: 12.44 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

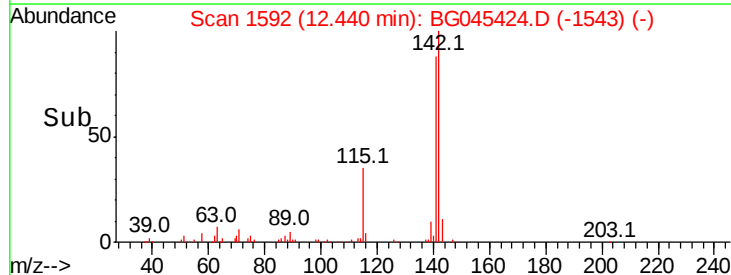
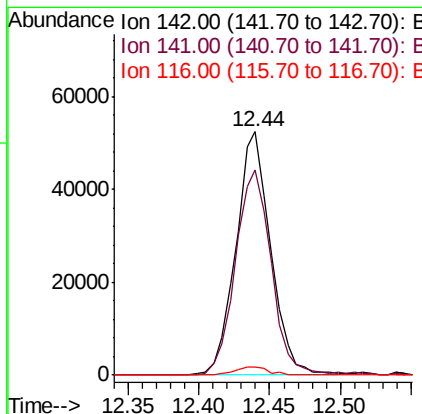
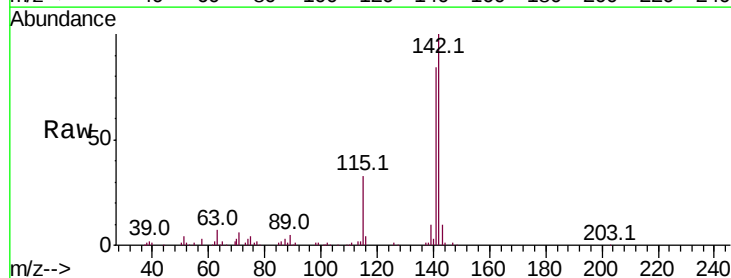
Instrument :
BNA_G
ClientSampleID :
PT-BNA-SOILD

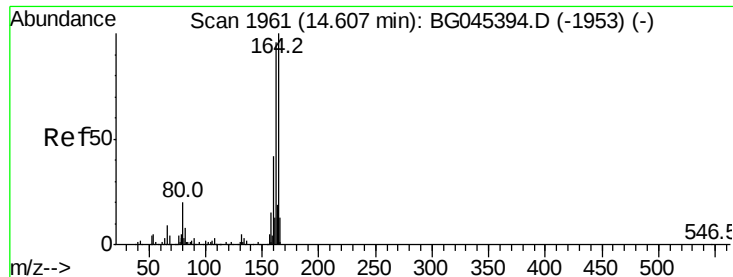
Tot Ion:142 Resp: 89879
Ion Ratio Lower Upper
142 100
141 84.3 70.0 105.0
115 33.3 30.8 46.2



#38
1-Methylnaphthalene
Concen: 8.051 ng
RT: 12.44 min Scan# 1592
Delta R.T. -0.21 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion:142 Resp: 89879
Ion Ratio Lower Upper
142 100
141 84.3 70.8 106.2
116 3.5 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

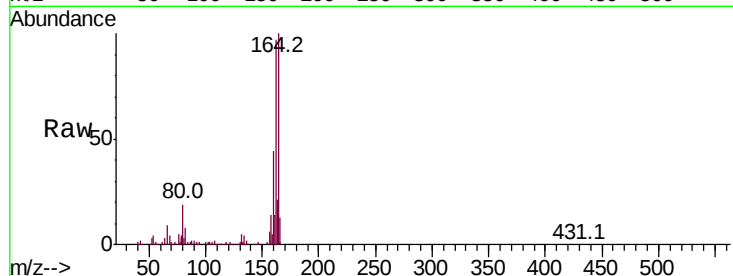
Tot Ion:164 Resp: 251618

Ion Ratio Lower Upper

164 100

162 97.0 76.9 115.3

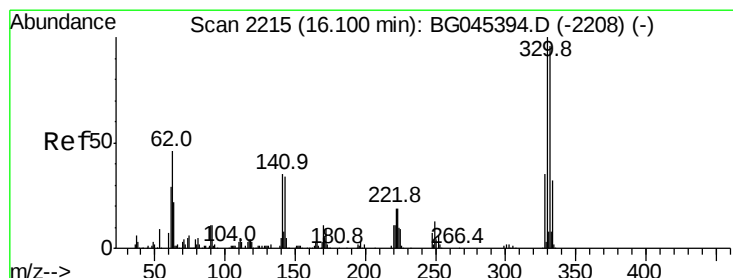
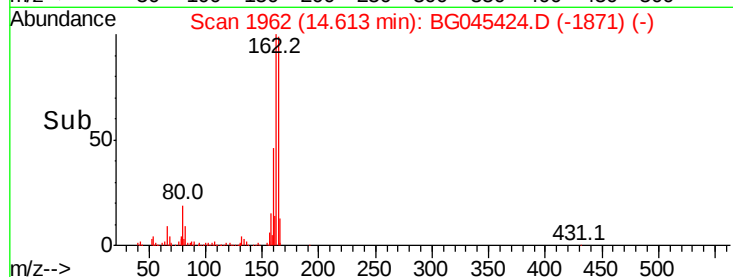
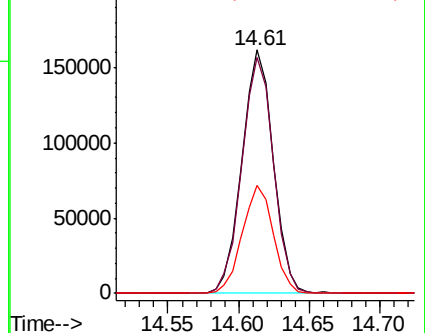
160 44.5 33.8 50.8



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



#42

2,4,6-Tribromophenol

Concen: 26.157 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

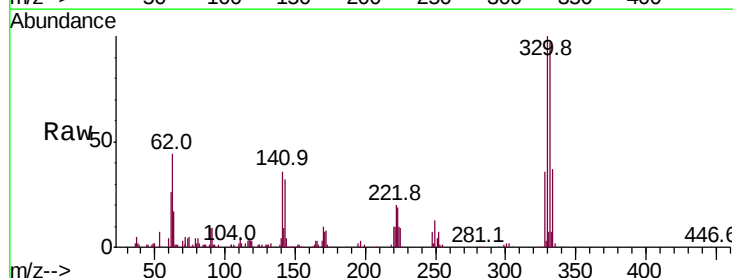
Tgt Ion:330 Resp: 84170

Ion Ratio Lower Upper

330 100

332 95.5 78.2 117.4

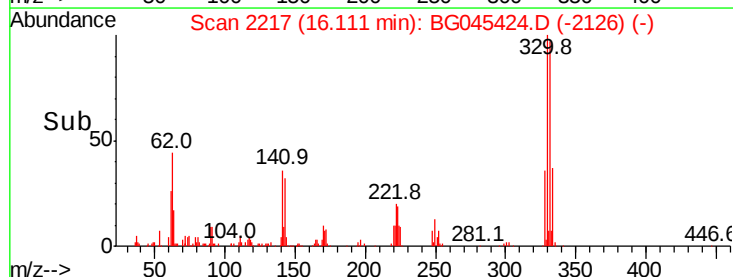
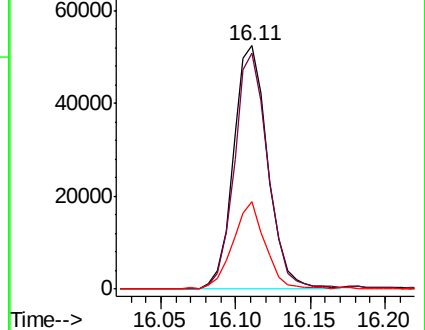
141 34.3 28.2 42.4

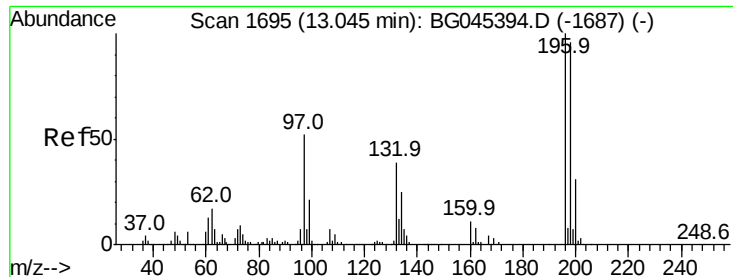


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

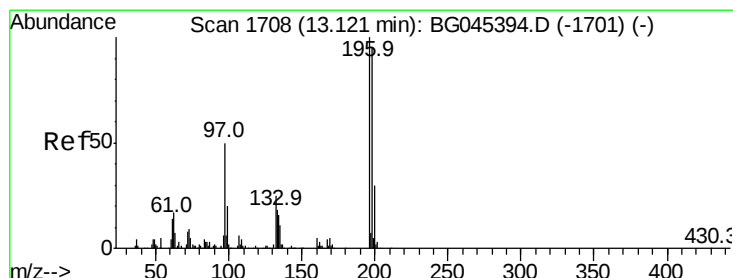
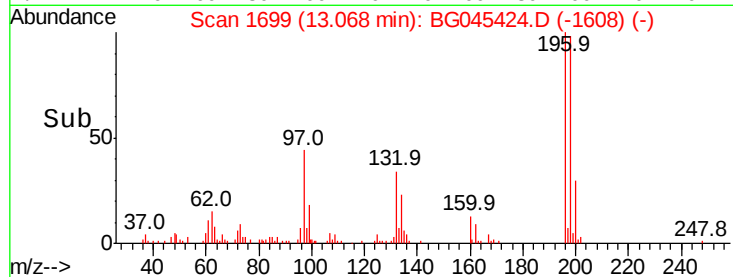
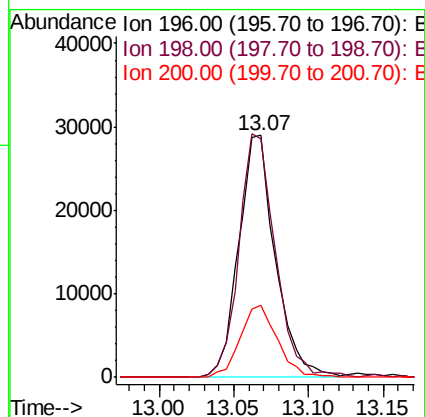
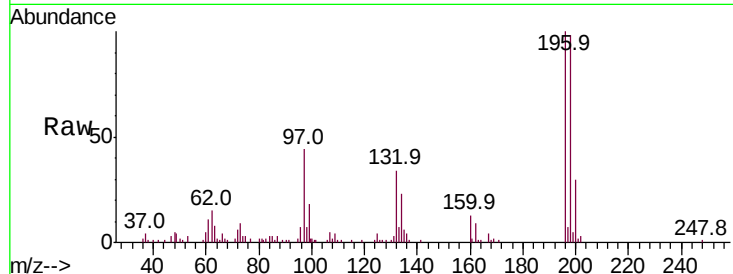




#43
 2,4,6-Trichlorophenol
 Concen: 10.118 ng
 RT: 13.07 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

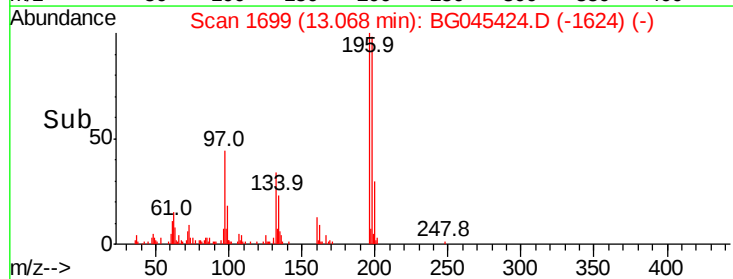
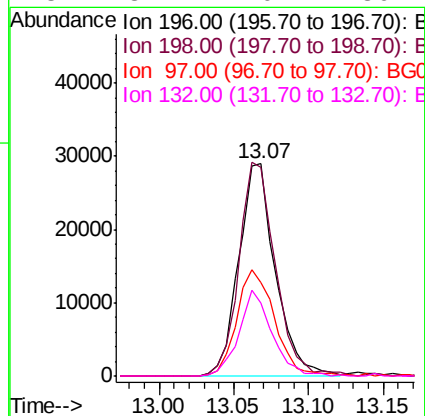
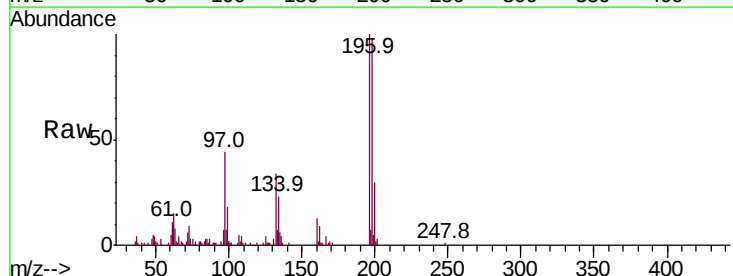
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

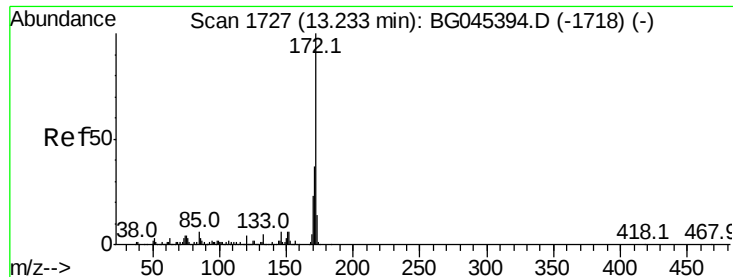
Tot Ion:196 Resp: 49398
 Ion Ratio Lower Upper
 196 100
 198 98.3 76.7 115.1
 200 29.6 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 8.854 ng
 RT: 13.07 min Scan# 1699
 Delta R.T. -0.09 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

Tgt Ion:196 Resp: 49398
 Ion Ratio Lower Upper
 196 100
 198 98.3 76.1 114.1
 97 44.1 40.0 60.0
 132 34.2 20.2 30.2#

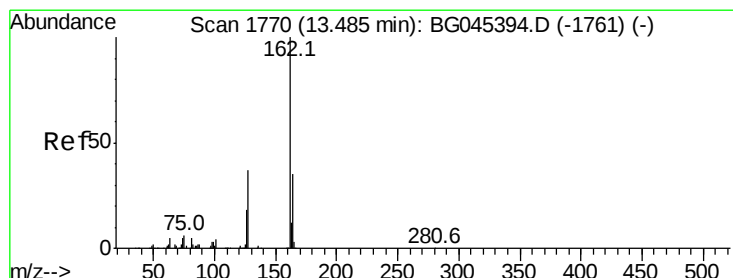
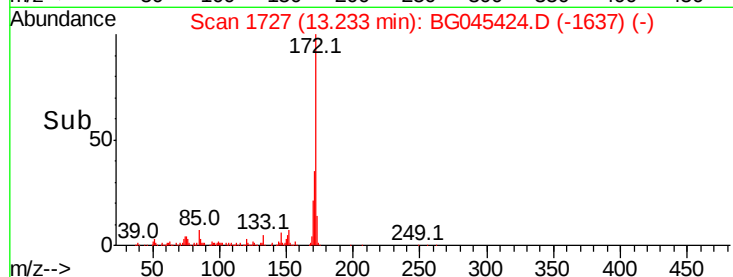
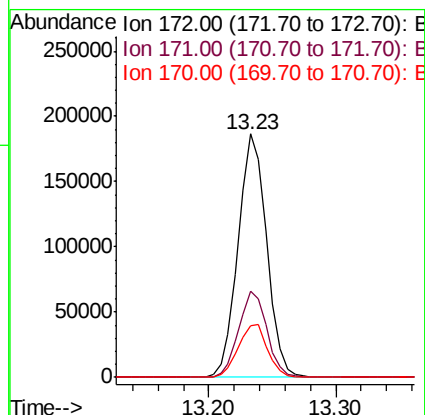
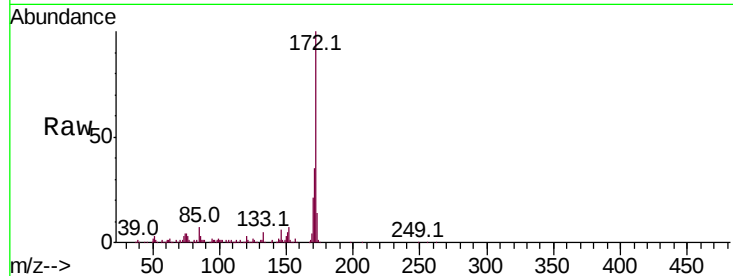




#45
2-Fluorobiphenyl
Concen: 19.559 ng
RT: 13.23 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

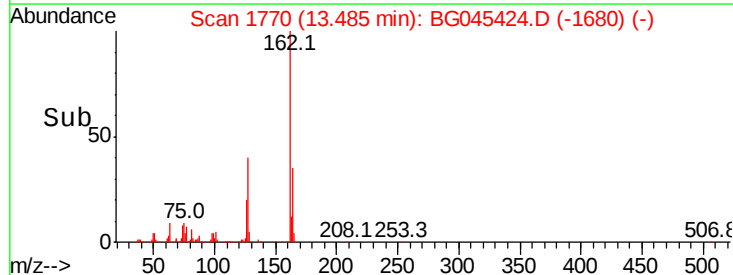
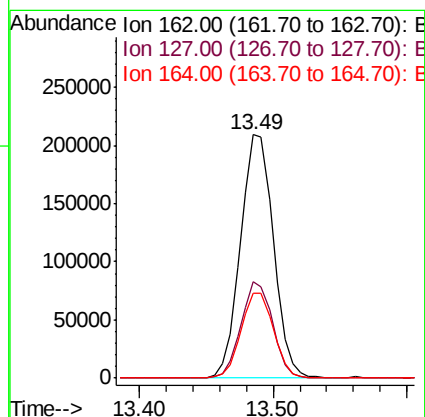
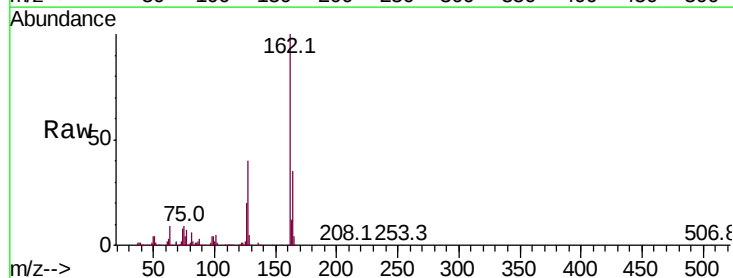
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

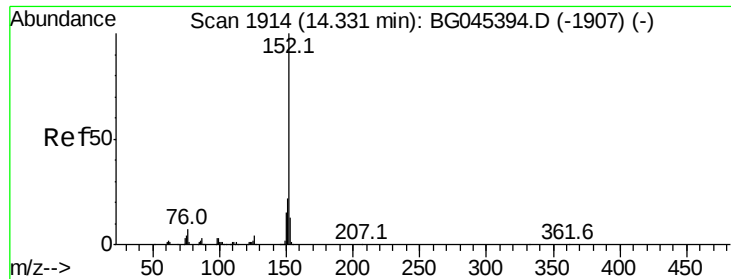
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.5	44.3
170	21.3	18.5	27.7



#47
2-Chloronaphthalene
Concen: 28.498 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.6	47.4
164	34.9	28.1	42.1





#49

Acenaphthylene

Concen: 15.236 ng

RT: 14.34 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

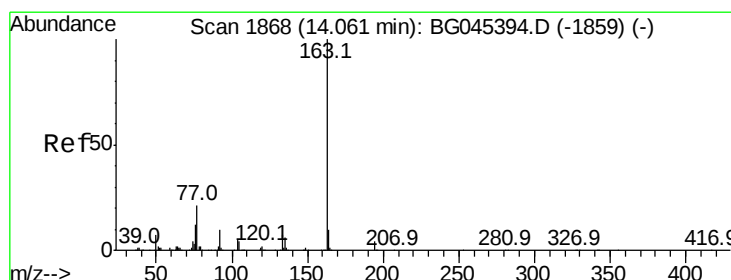
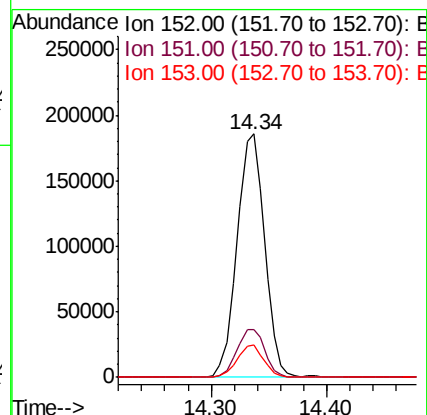
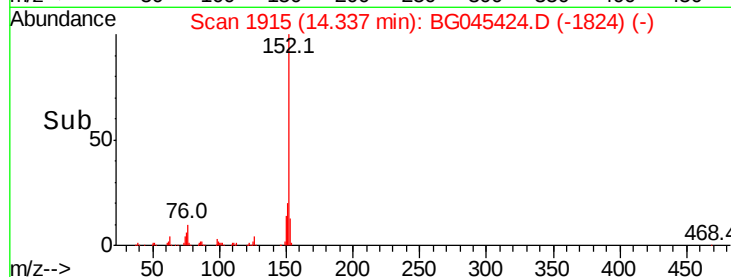
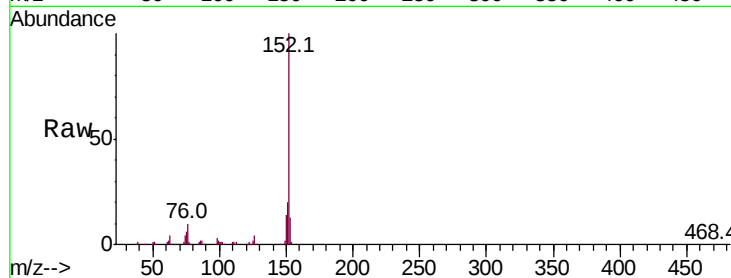
Tot Ion:152 Resp: 307242

Ion Ratio Lower Upper

152 100

151 19.9 17.4 26.2

153 13.2 10.7 16.1



#50

Dimethylphthalate

Concen: 12.891 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

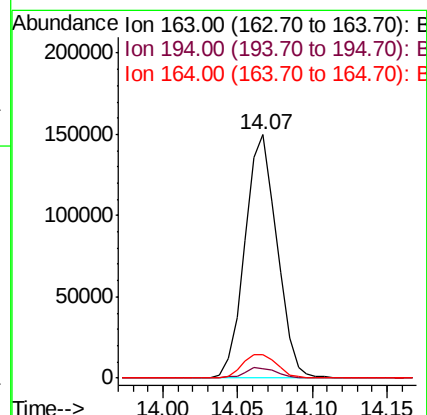
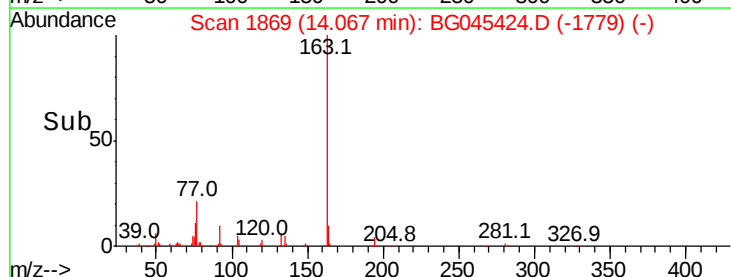
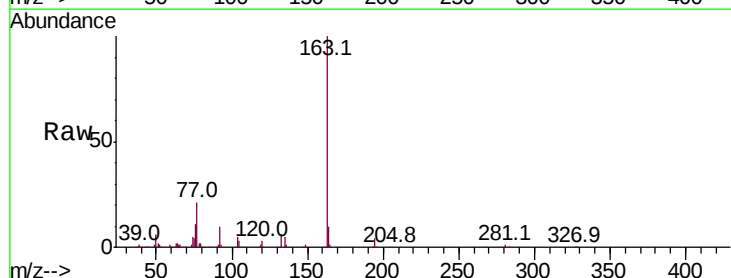
Tgt Ion:163 Resp: 222514

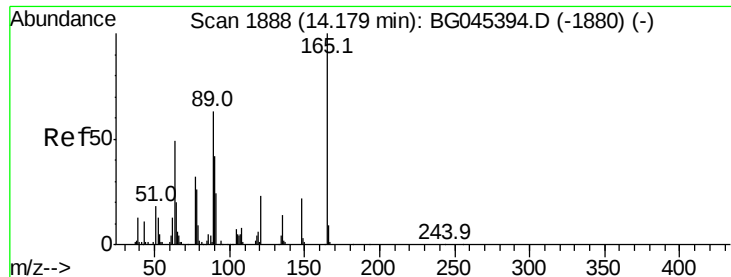
Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 9.8 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 19.513 ng

RT: 14.18 min Scan# 1889

Delta R.T. -0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

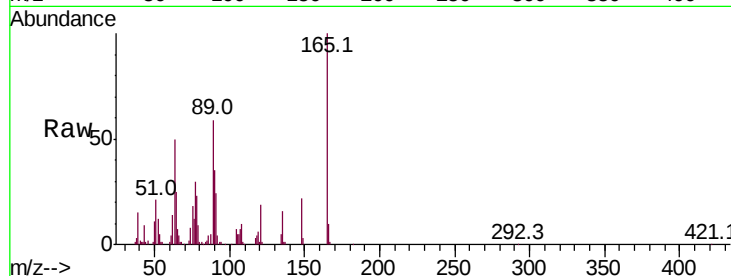
Tot Ion:165 Resp: 76003

Ion Ratio Lower Upper

165 100

63 49.8 45.0 67.4

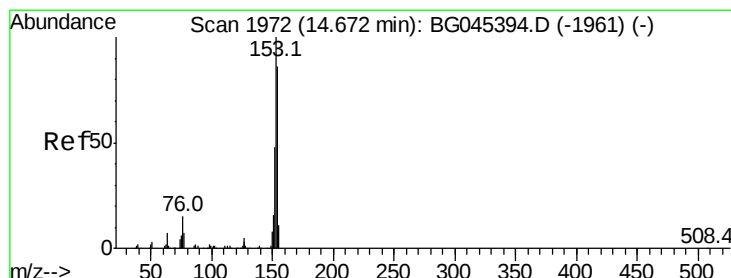
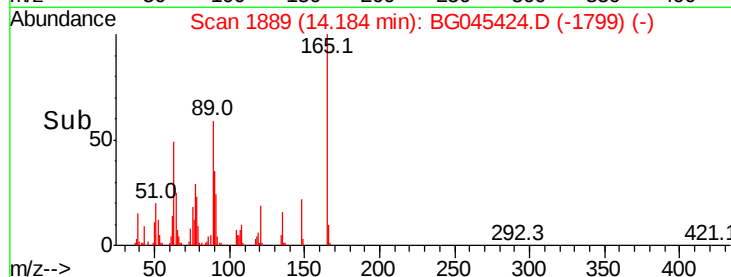
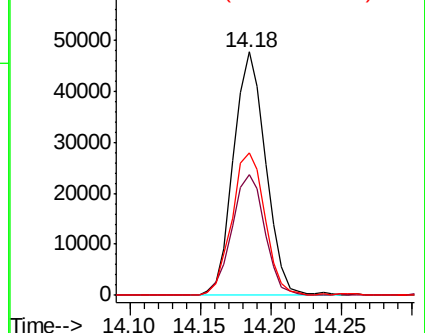
89 58.7 50.2 75.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 6.046 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

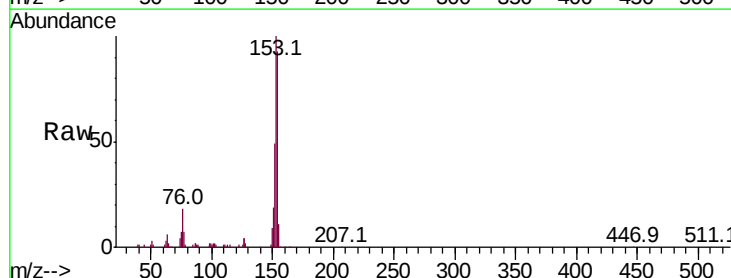
Tgt Ion:154 Resp: 81618

Ion Ratio Lower Upper

154 100

153 107.9 92.8 139.2

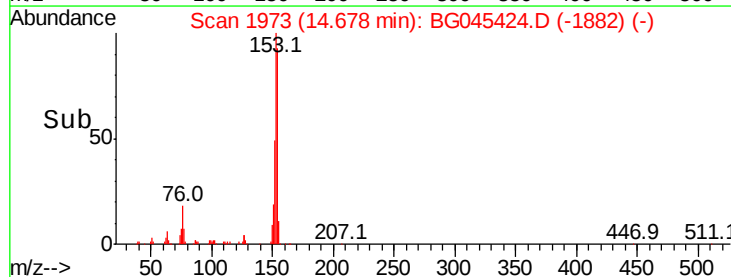
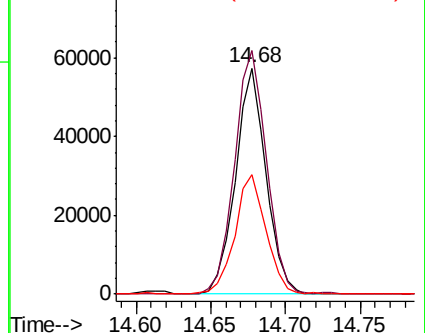
152 52.8 44.6 66.8

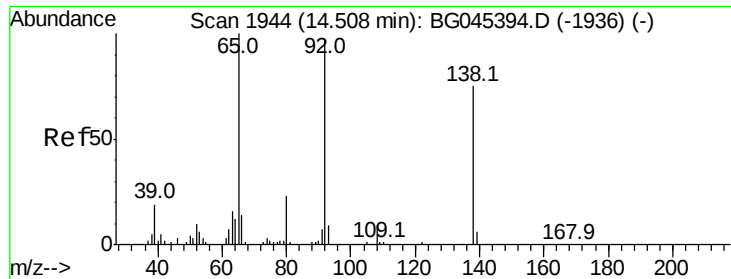


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

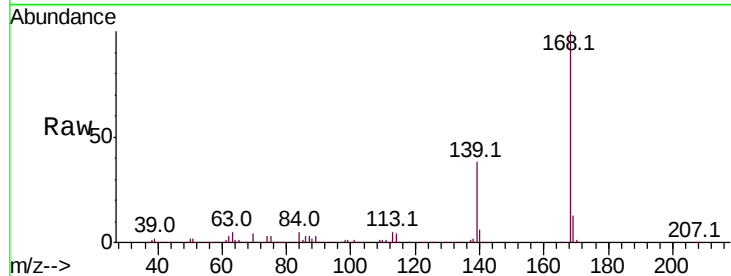




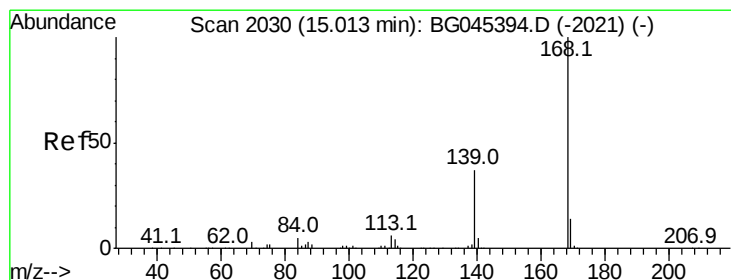
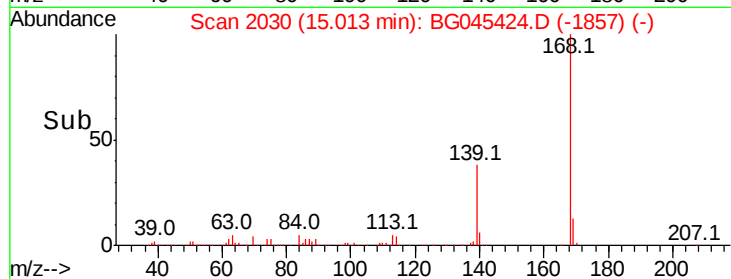
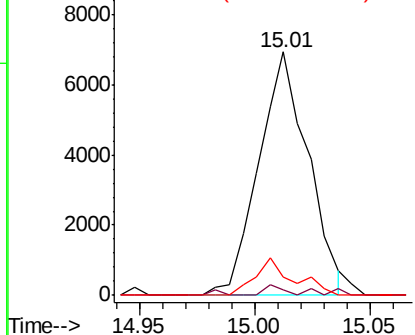
#53
3-Nitroaniline
Concen: 2.604 ng
RT: 15.01 min Scan# 2030
Delta R.T. 0.48 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Tot Ion:138 Resp: 10312
Ion Ratio Lower Upper
138 100
108 2.2 9.8 14.6#
92 7.5 103.0 154.4#

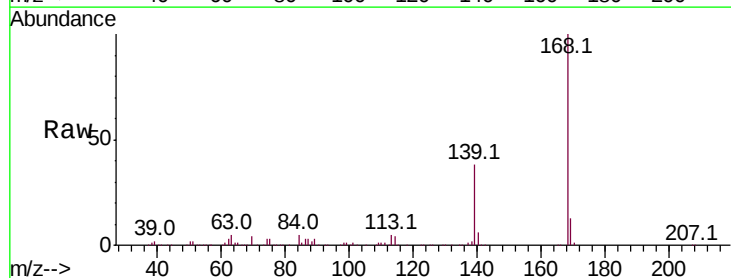


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

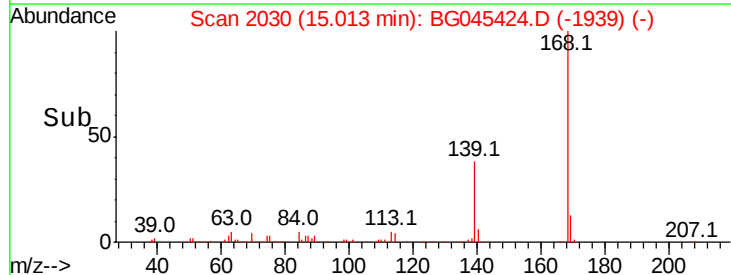
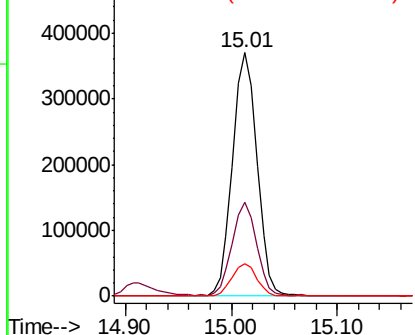


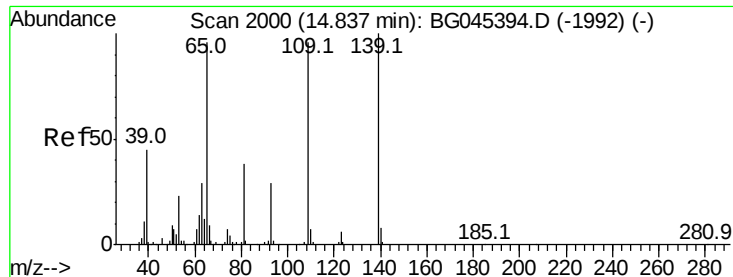
#55
Dibenzofuran
Concen: 29.696 ng
RT: 15.01 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion:168 Resp: 595285
Ion Ratio Lower Upper
168 100
139 38.3 29.9 44.9
169 13.2 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 14.522 ng

RT: 14.91 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

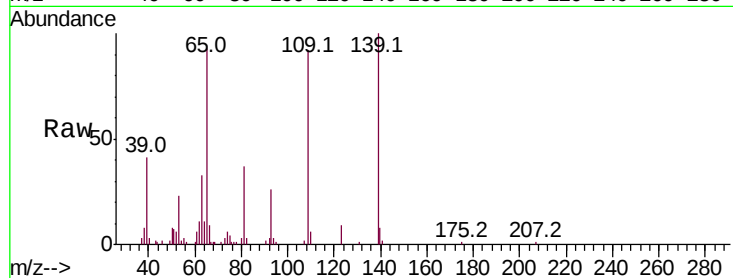
Tot Ion:139 Resp: 43532

Ion Ratio Lower Upper

139 100

109 91.6 75.6 115.6

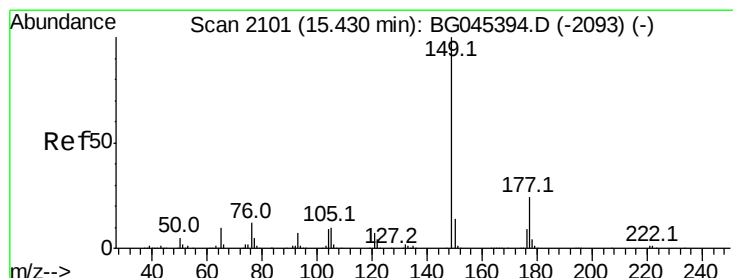
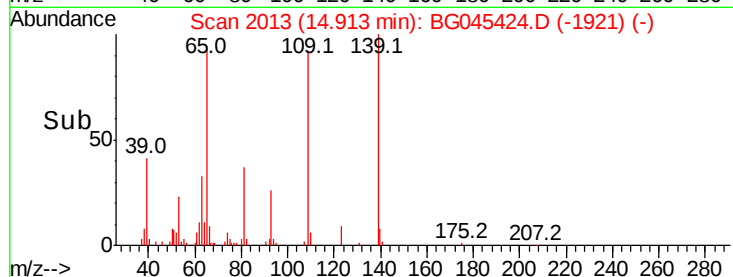
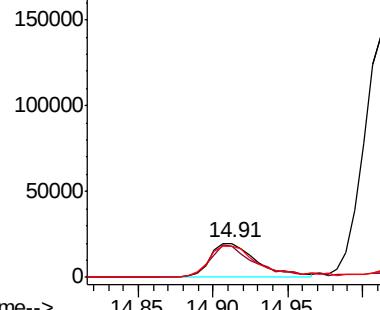
65 92.6 76.8 116.8



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#60

Diethylphthalate

Concen: 30.059 ng

RT: 15.43 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

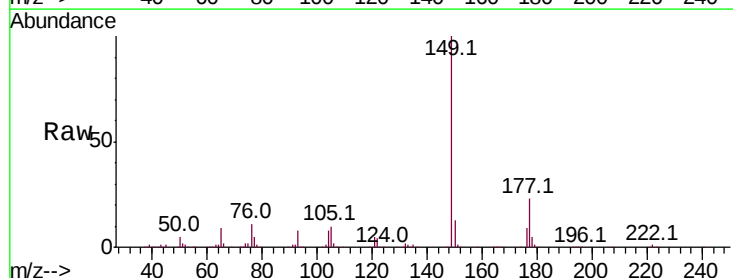
Tgt Ion:149 Resp: 540025

Ion Ratio Lower Upper

149 100

177 23.3 19.0 28.4

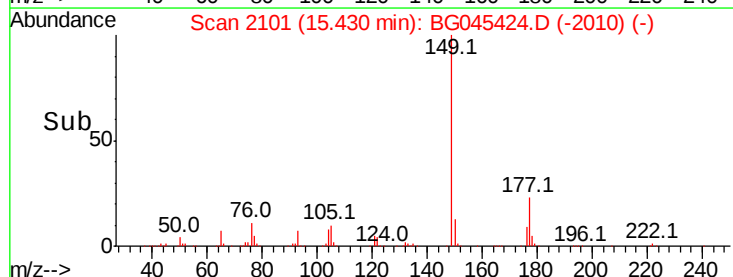
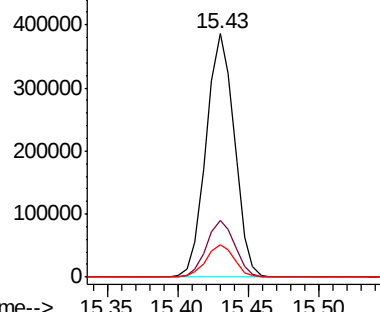
150 13.1 11.4 17.0

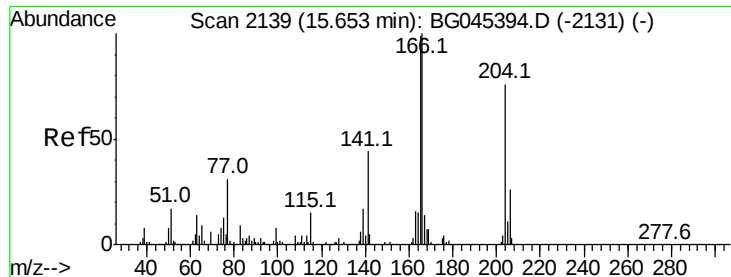


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 26.357 ng

RT: 15.65 min Scan# 2139

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

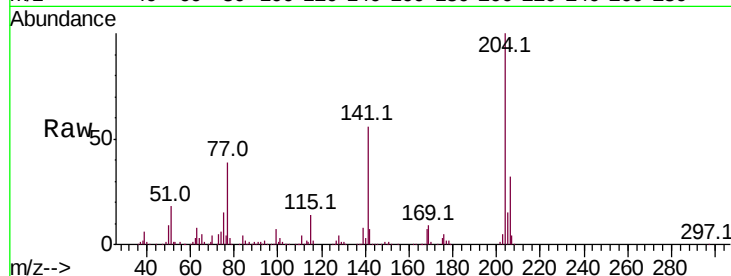
Tot Ion:204 Resp: 248387

Ion Ratio Lower Upper

204 100

206 32.0 27.3 40.9

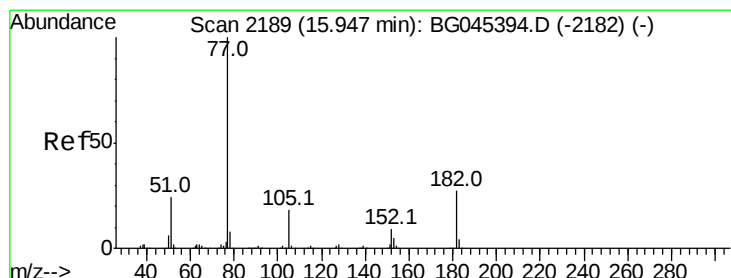
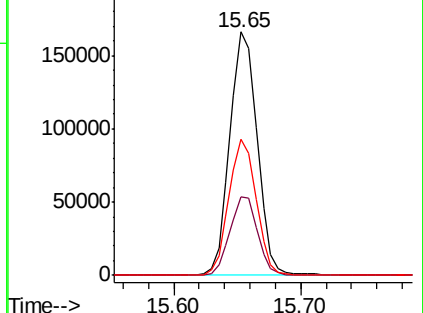
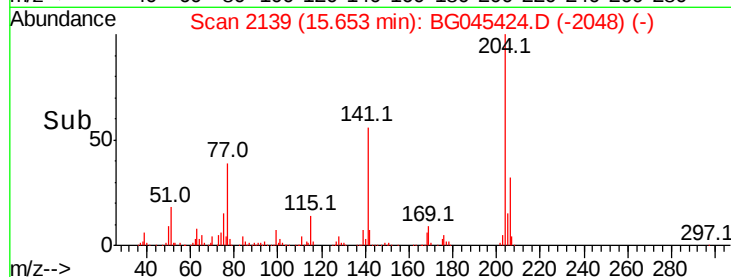
141 55.7 45.9 68.9



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



#63

Azobenzene

Concen: 5.618 ng

RT: 15.65 min Scan# 2139

Delta R.T. -0.29 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Tgt Ion: 77 Resp: 94114

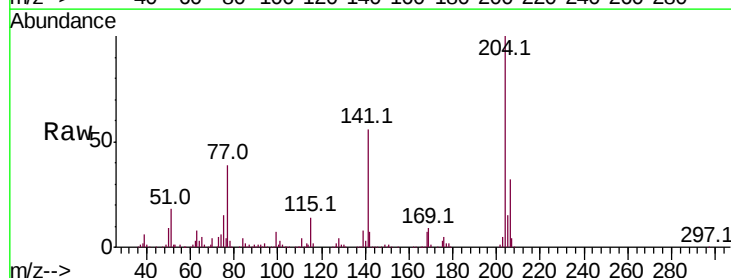
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 0.4 0.0 37.9

51 47.0 4.1 44.1#

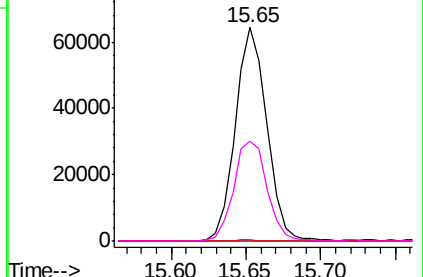
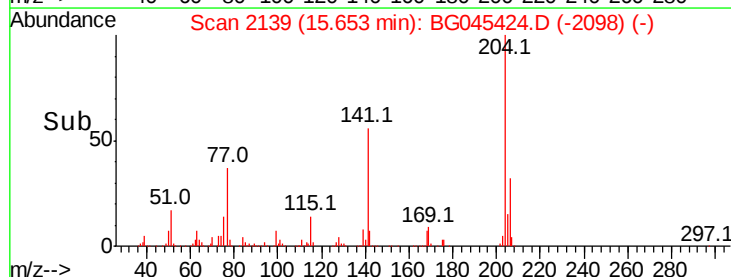


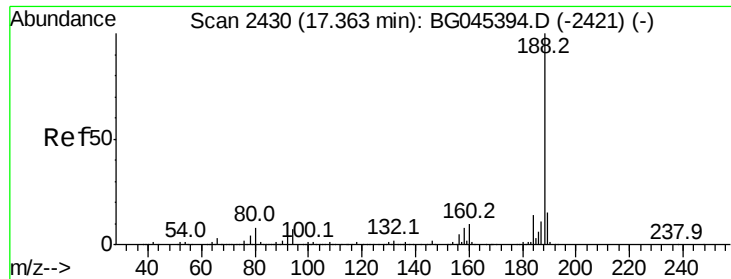
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

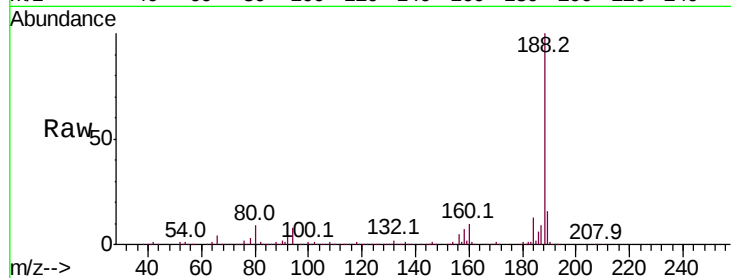




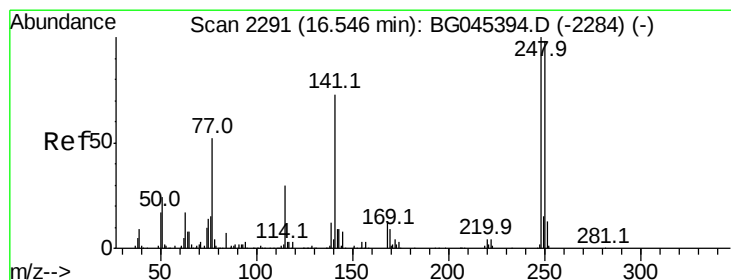
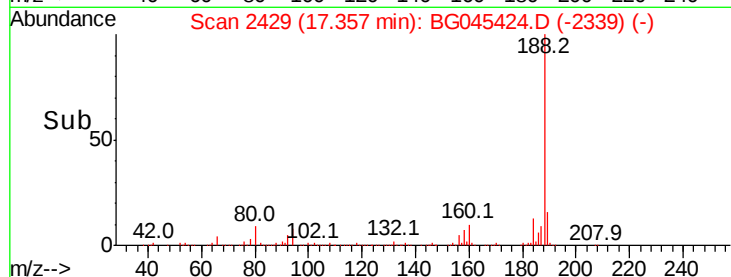
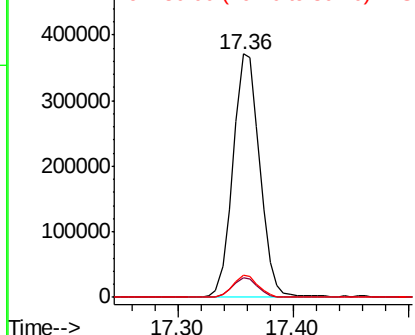
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Tot Ion:188 Resp: 595058
 Ion Ratio Lower Upper
 188 100
 94 8.1 5.5 8.3
 80 8.9 6.6 10.0

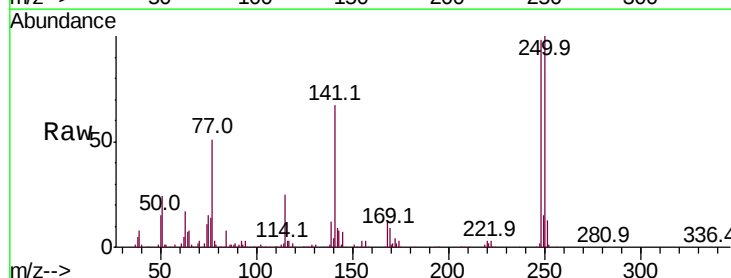


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

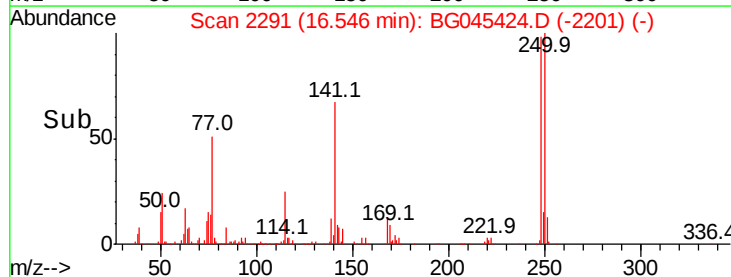
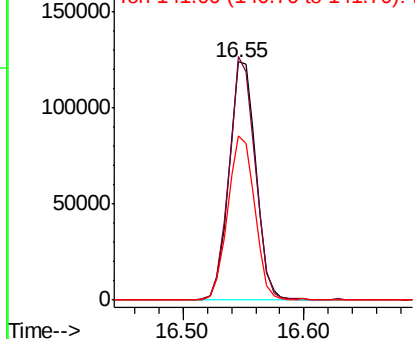


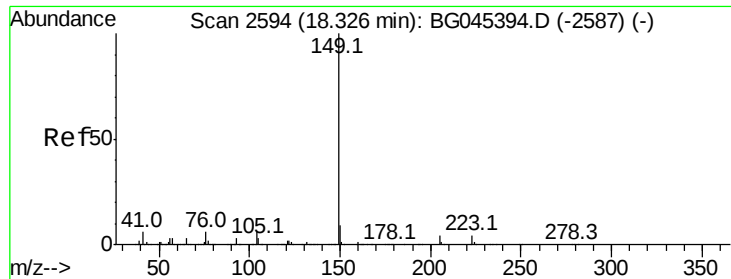
#67
 4-Bromophenyl-phenylether
 Concen: 29.681 ng
 RT: 16.55 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

Tgt Ion:248 Resp: 191249
 Ion Ratio Lower Upper
 248 100
 250 102.3 78.6 117.8
 141 69.0 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

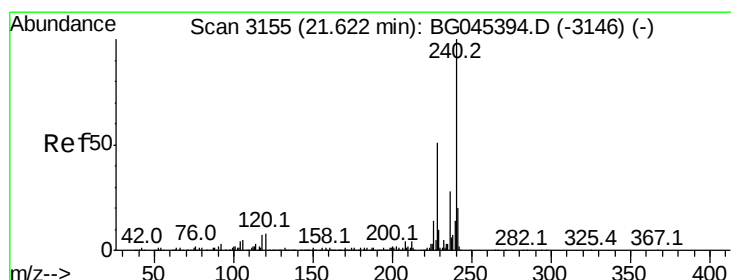
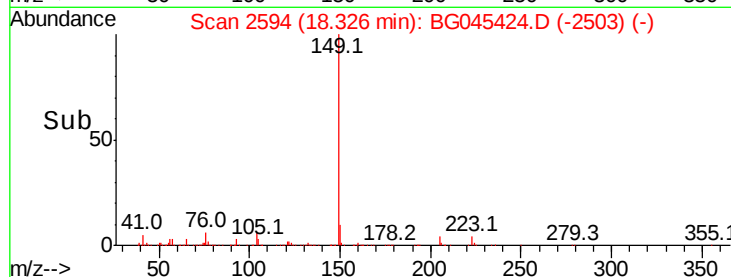
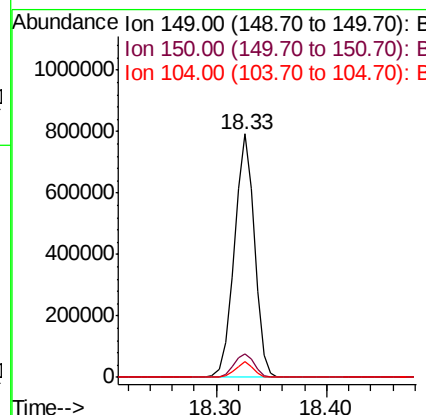
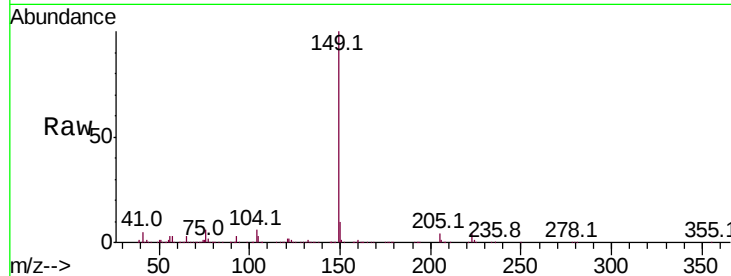




#74
Di-n-butylphthalate
Concen: 33.159 ng
RT: 18.33 min Scan# 2594
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

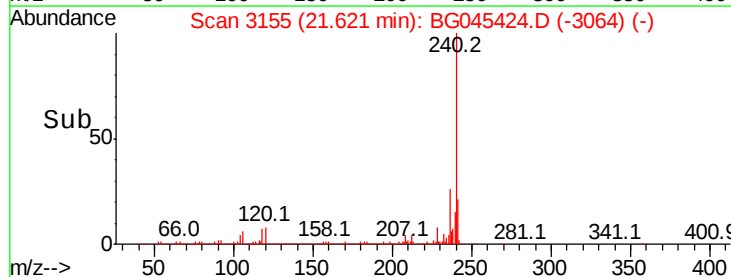
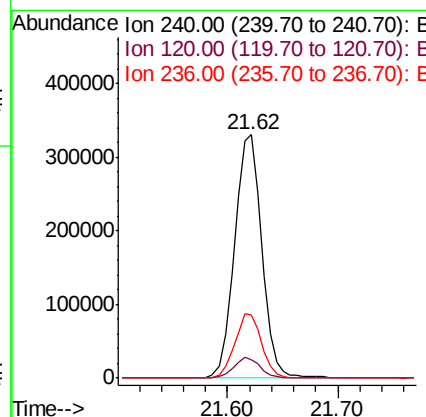
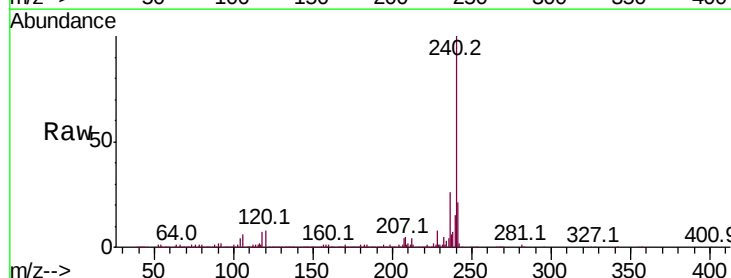
Instrument :
BNA_G
ClientSampleID :
PT-BNA-SOILDL

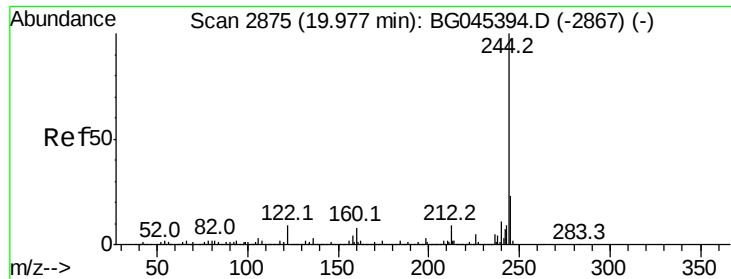
Tot Ion:149 Resp: 1012058
Ion Ratio Lower Upper
149 100
150 9.8 7.6 11.4
104 6.3 5.0 7.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

Tgt Ion:240 Resp: 572002
Ion Ratio Lower Upper
240 100
120 7.8 6.1 9.1
236 25.8 22.3 33.5





#79

Terphenyl-d14

Concen: 22.542 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

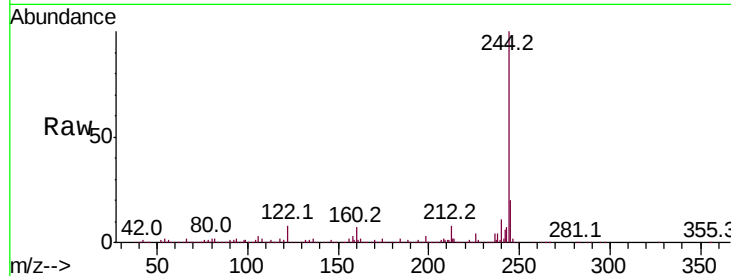
Tot Ion:244 Resp: 552836

Ion Ratio Lower Upper

244 100

212 7.7 7.4 11.0

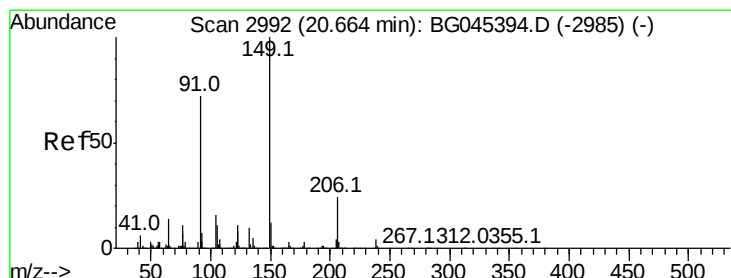
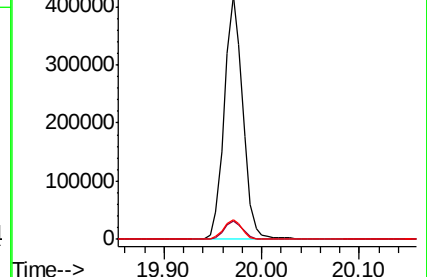
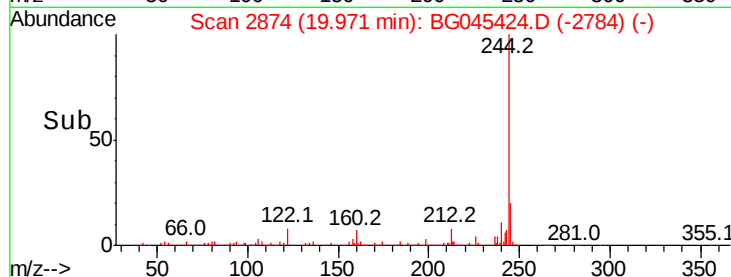
122 8.2 6.8 10.2



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: 40.692 ng

RT: 20.66 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

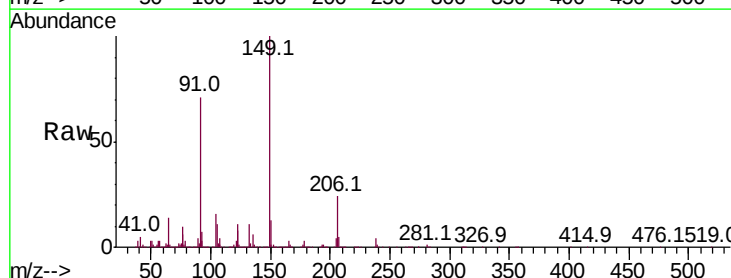
Tgt Ion:149 Resp: 572703

Ion Ratio Lower Upper

149 100

91 71.1 57.8 86.6

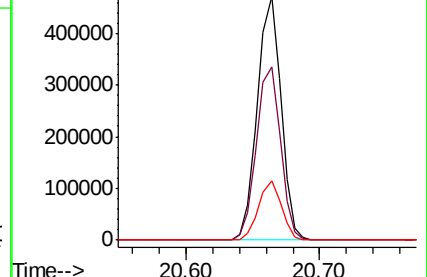
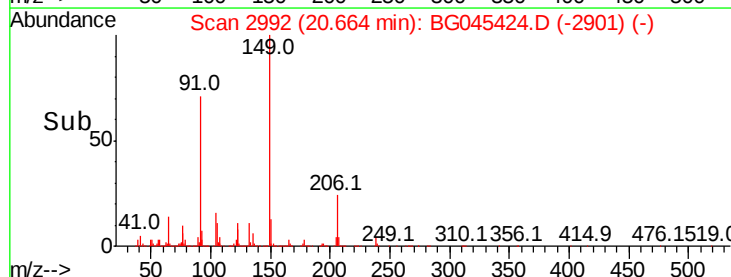
206 24.2 19.1 28.7

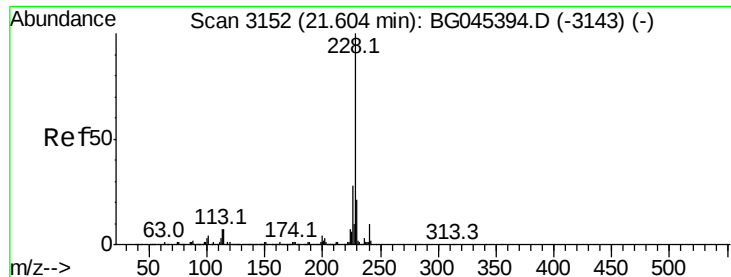


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 10.025 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

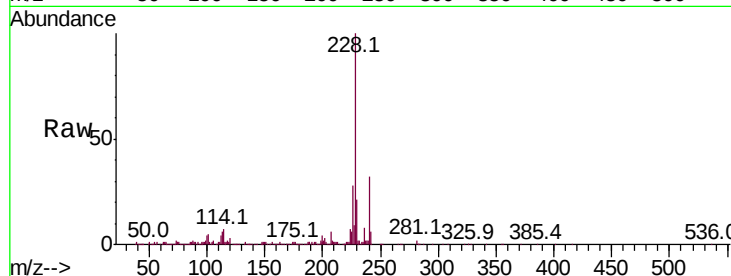
Tot Ion:228 Resp: 319447

Ion Ratio Lower Upper

228 100

226 27.9 22.7 34.1

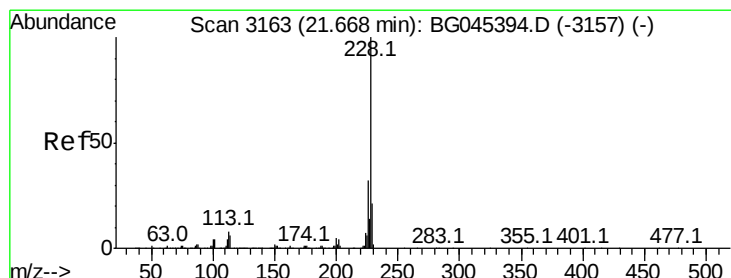
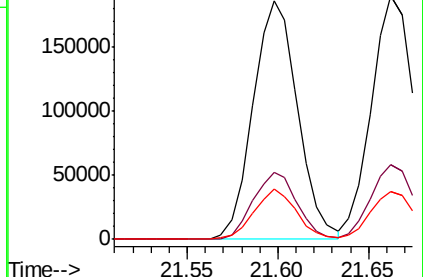
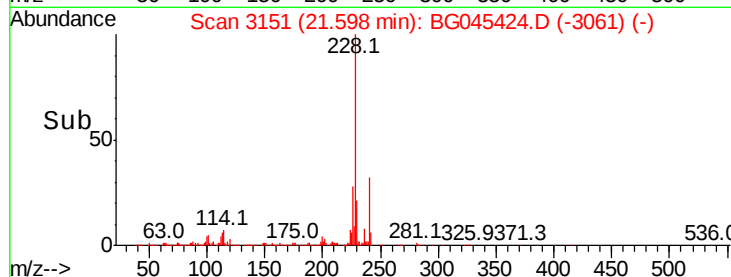
229 20.9 16.7 25.1



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



#83

Chrysene

Concen: 10.252 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

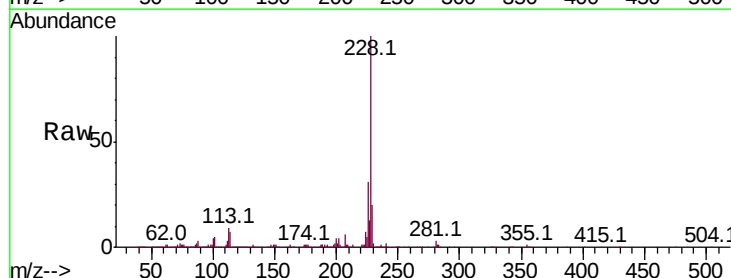
Tgt Ion:228 Resp: 314108

Ion Ratio Lower Upper

228 100

226 30.8 25.2 37.8

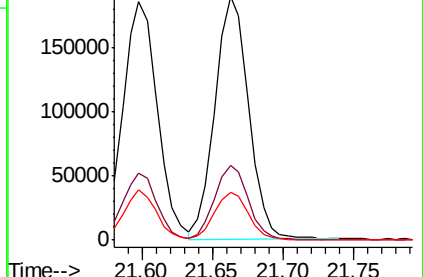
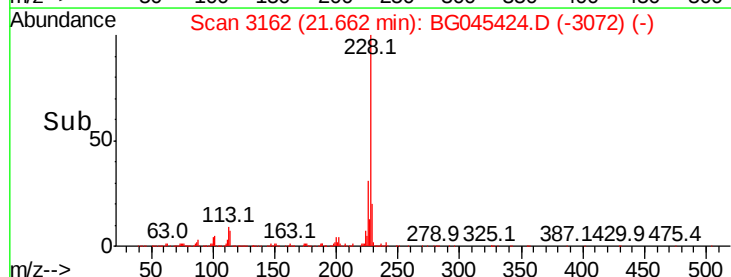
229 19.5 16.7 25.1

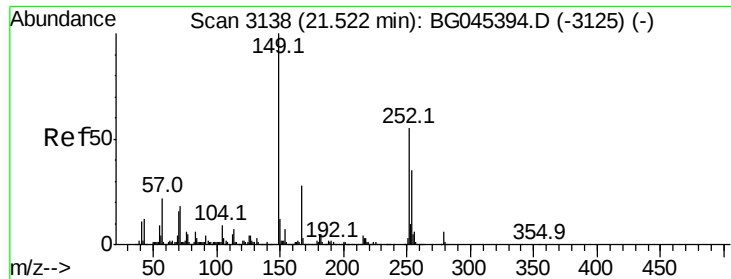


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 37.245 ng

RT: 21.52 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

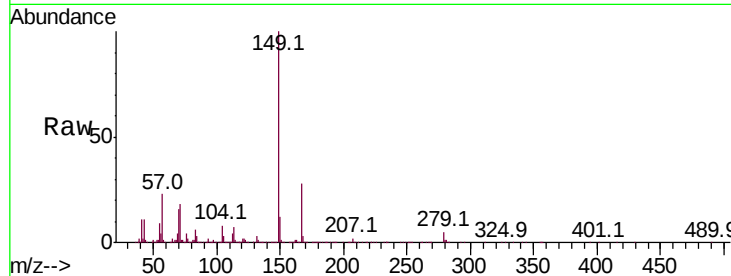
Tot Ion:149 Resp: 720565

Ion Ratio Lower Upper

149 100

167 28.1 22.2 33.2

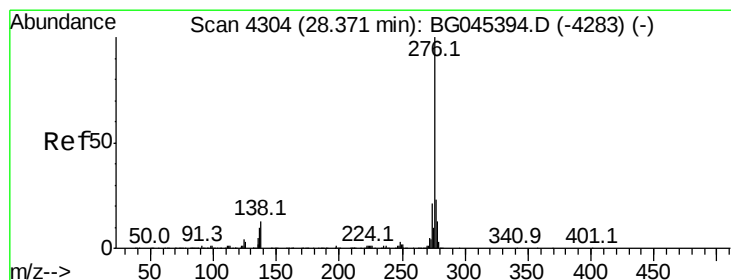
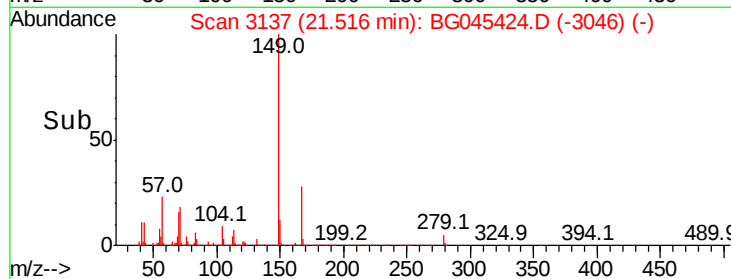
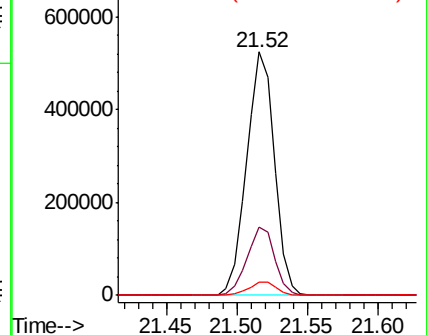
279 5.2 4.7 7.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 12.740 ng

RT: 28.35 min Scan# 4301

Delta R.T. -0.01 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

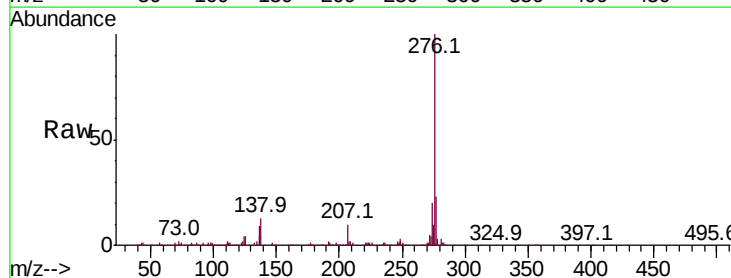
Tgt Ion:276 Resp: 510418

Ion Ratio Lower Upper

276 100

138 13.2 8.6 12.8#

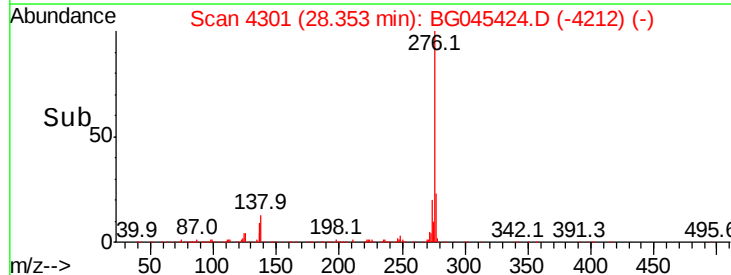
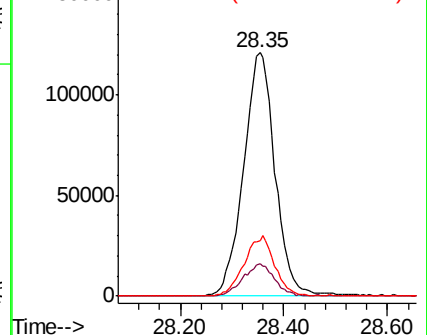
277 24.1 20.2 30.4

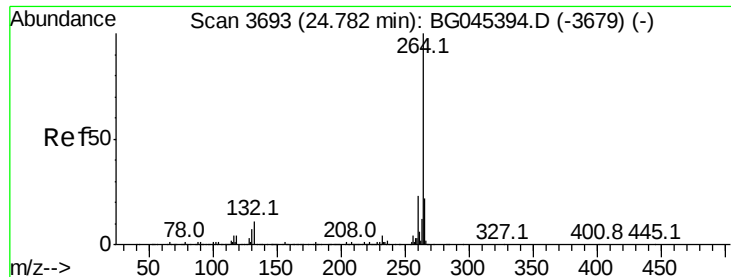


Abundance Ion 276.00 (275.70 to 276.70): E

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. 0.00 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

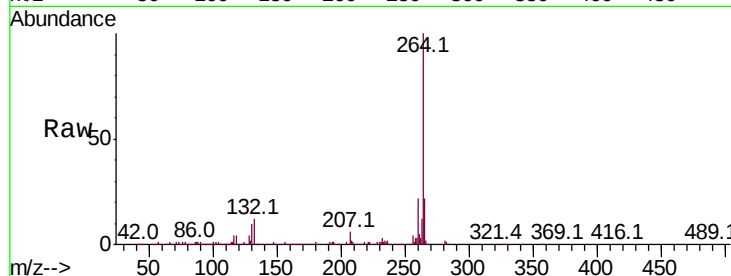
Tot Ion:264 Resp: 625852

Ion Ratio Lower Upper

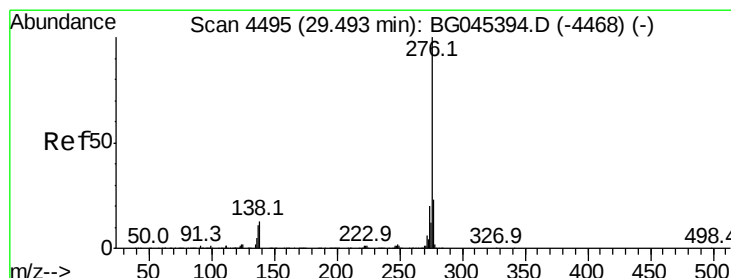
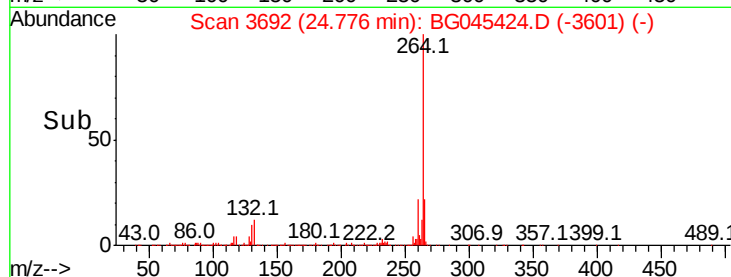
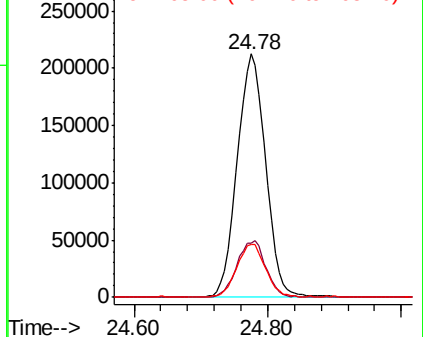
264 100

260 22.3 18.2 27.4

265 21.7 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



#92

Benzo(g,h,i)perylene

Concen: 10.705 ng

RT: 29.47 min Scan# 4491

Delta R.T. -0.01 min

Lab File: BG045424.D

Acq: 19 May 2020 14:10

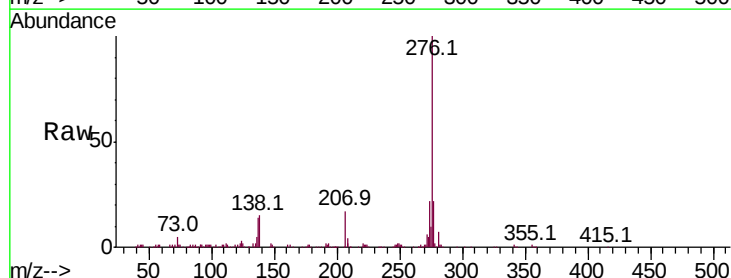
Tgt Ion:276 Resp: 336326

Ion Ratio Lower Upper

276 100

277 21.6 18.1 27.1

138 14.9 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

