

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 14:49:32 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		
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
34) Hexachlorobutadiene	11.12	225	175494	41.948	ng	96
36) 4-Chloro-3-methylphenol	12.12	107	192909	34.179	ng	99
37) 2-Methylnaphthalene	12.44	142	89879	7.605	ng	95
43) 2,4,6-Trichlorophenol	13.07	196	49398	10.118	ng	97
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
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
67) 4-Bromophenyl-phenylether	16.55	248	191249	29.681	ng	96
74) Di-n-butylphthalate	18.33	149	1012058	33.159	ng	99
80) Butylbenzylphthalate	20.66	149	572703	40.692	ng	99
81) Benzo(a)anthracene	21.60	228	319447	10.025	ng	99
83) Chrysene	21.66	228	314108	10.252	ng	98
84) Bis(2-ethylhexyl)phthalate	21.52	149	720565	37.245	ng	99
86) Indeno(1,2,3-cd)pyrene	28.35	276	510418	12.740	ng	# 96
92) Benzo(a,h,i)perylene	29.47	276	336326	10.705	ng	97

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Response via : Initial Calibration

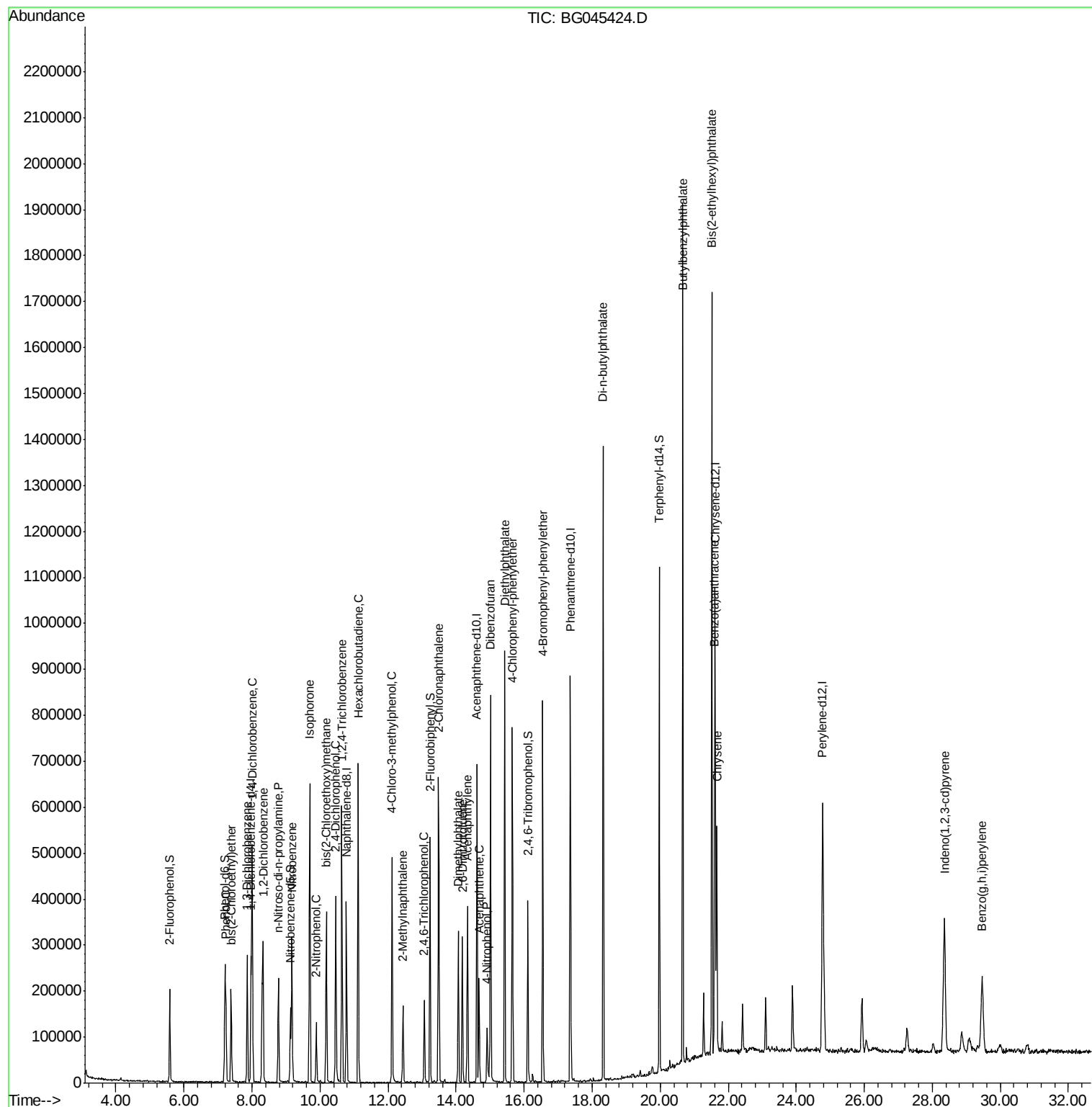
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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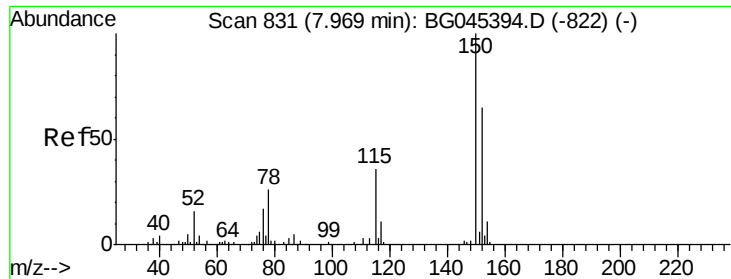
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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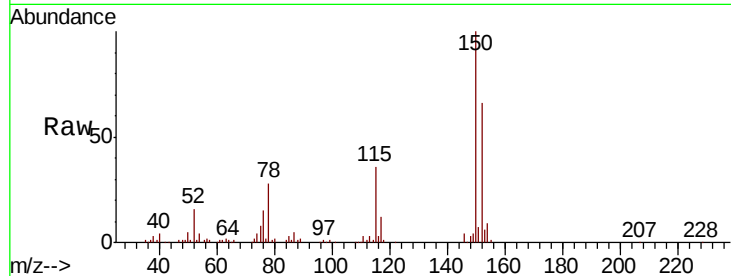


#1

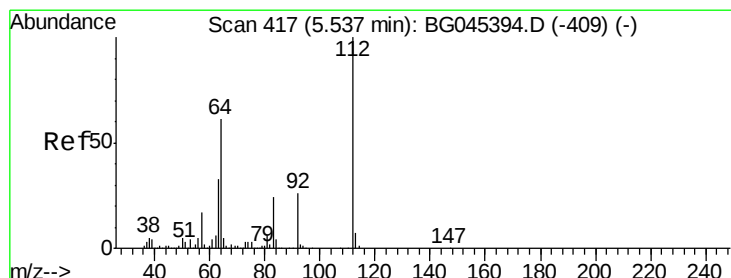
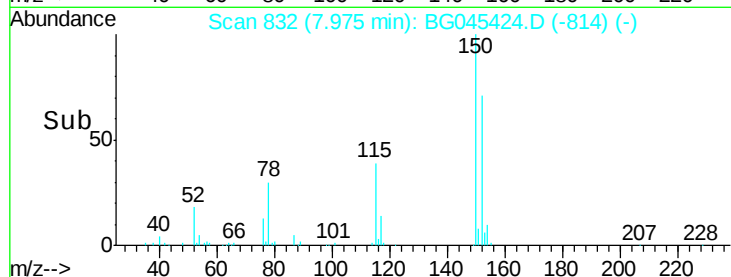
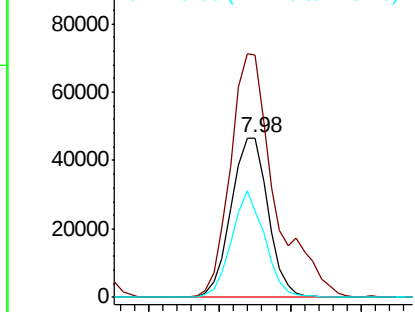
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. 0.01 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

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



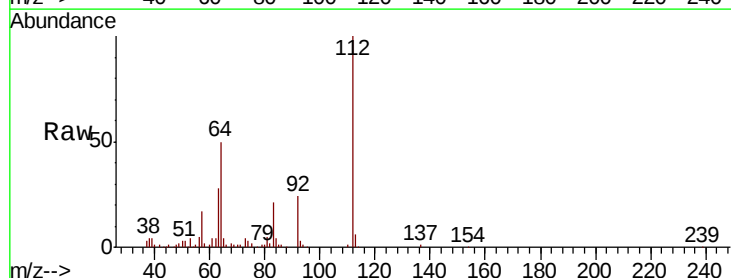
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



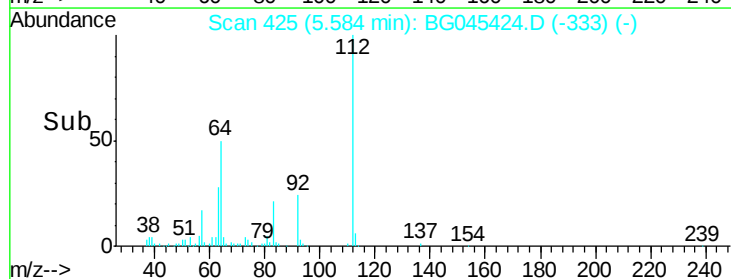
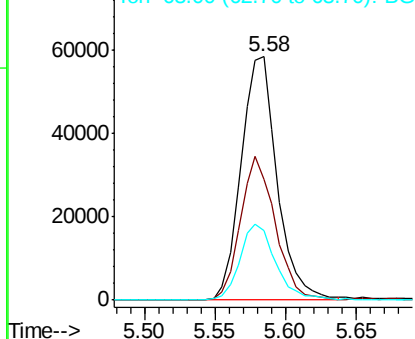
#5

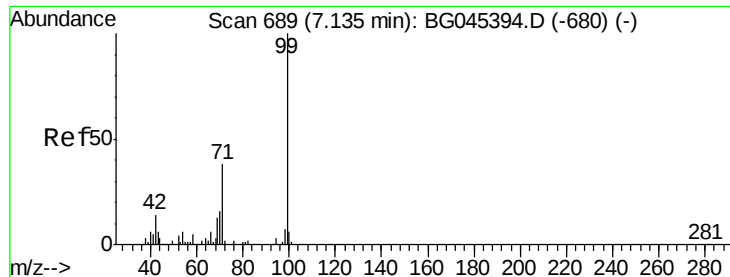
2-Fluorophenol
Concen: 23.916 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.01 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

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): BGC
Ion 63.00 (62.70 to 63.70): 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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

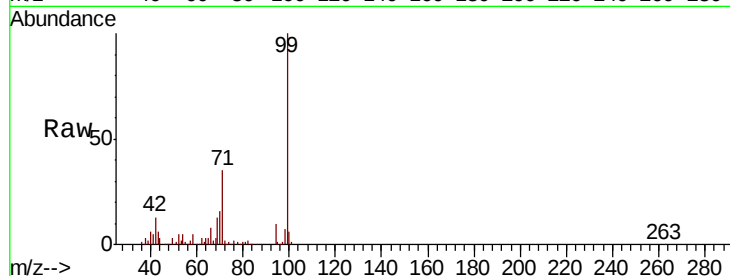
Tot Ion: 99 Resp: 168261

Ion Ratio Lower Upper

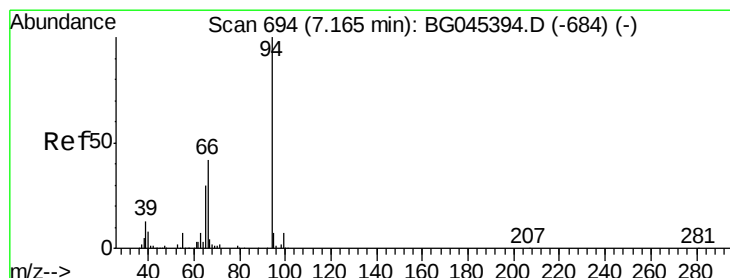
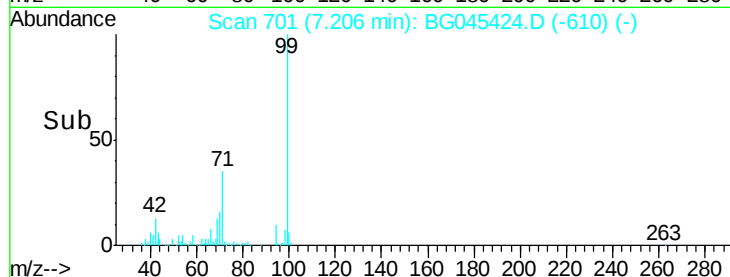
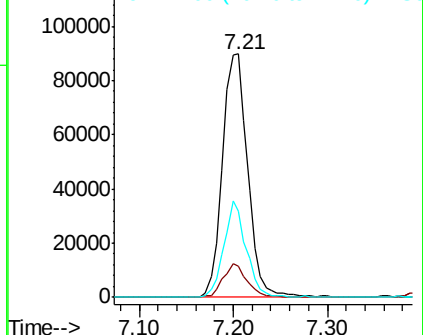
99 100

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

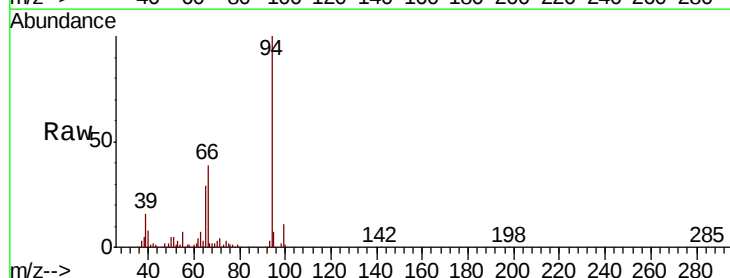
Tgt Ion: 94 Resp: 127481

Ion Ratio Lower Upper

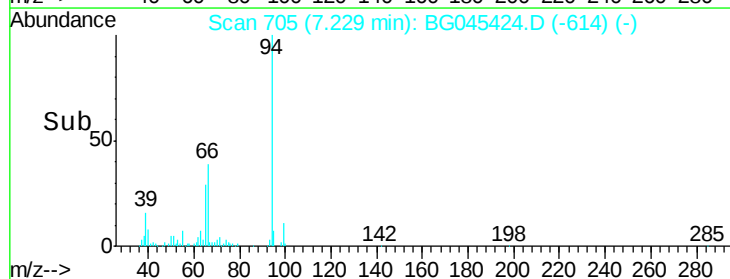
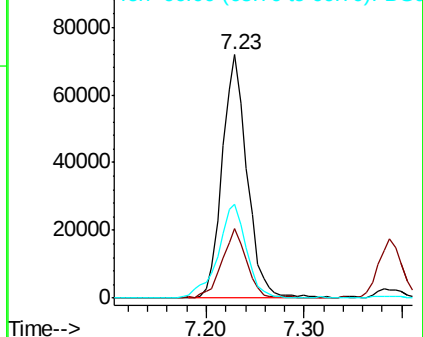
94 100

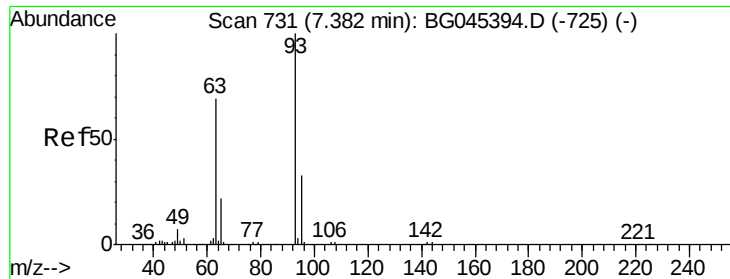
65 28.8 9.8 49.8

66 38.5 22.0 62.0



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

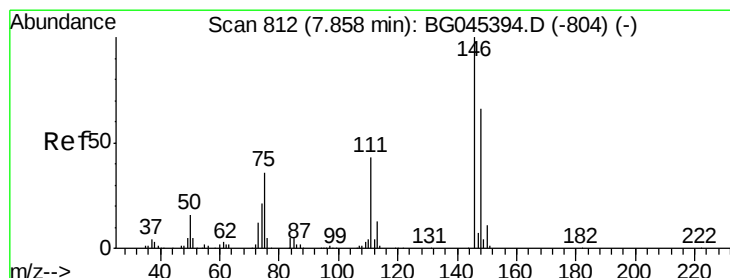
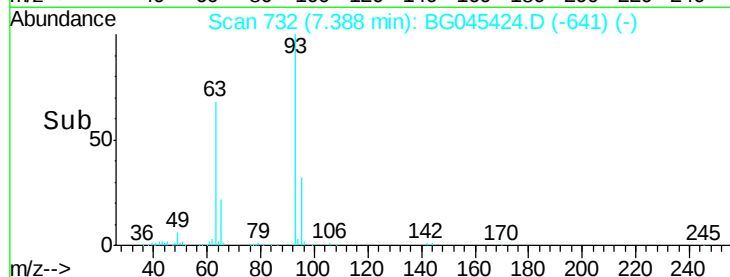
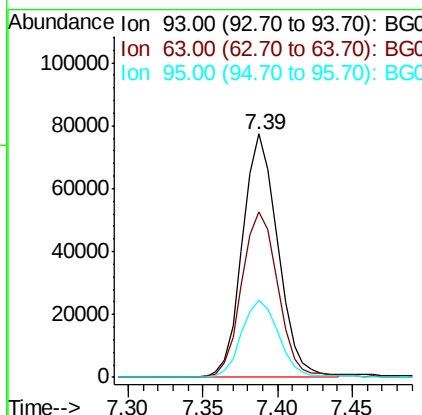
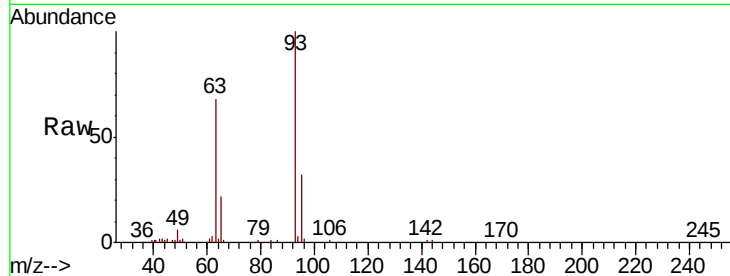




#11
bis(2-Chloroethyl)ether
Concen: 25.443 ng
RT: 7.39 min Scan# 732
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

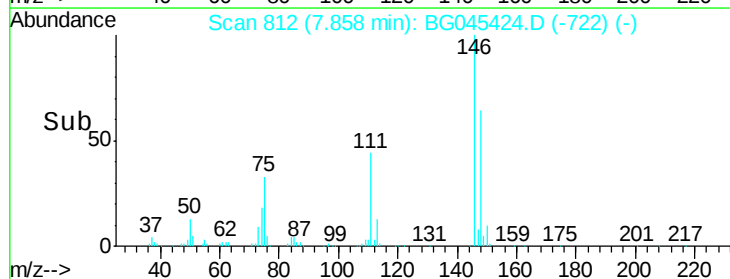
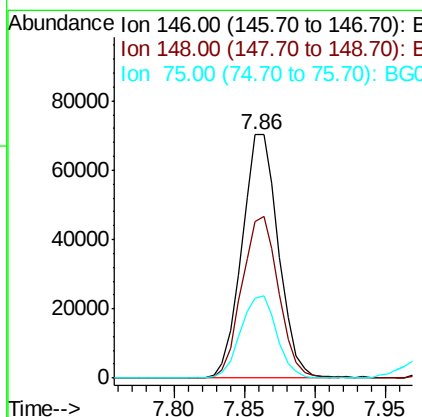
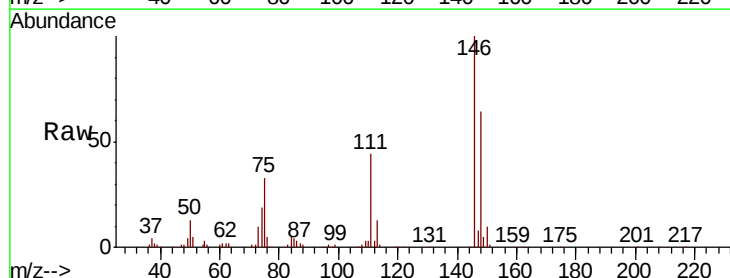
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

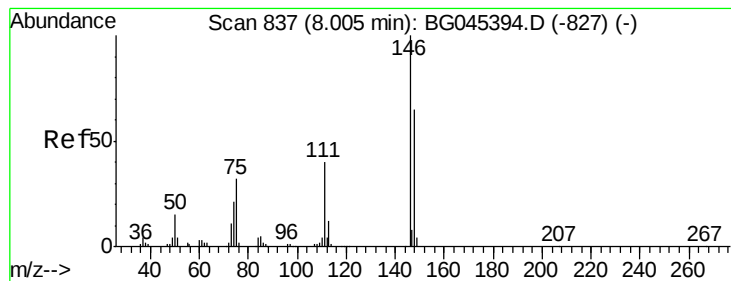
Tot Ion	Ratio	Lower	Upper
93	100		
63	68.0	48.4	88.4
95	31.8	12.4	52.4



#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

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	53.2	79.8
75	32.5	28.6	43.0





#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

Instrument :

BNA_G

ClientSampleID :

PT-BNA-SOILD

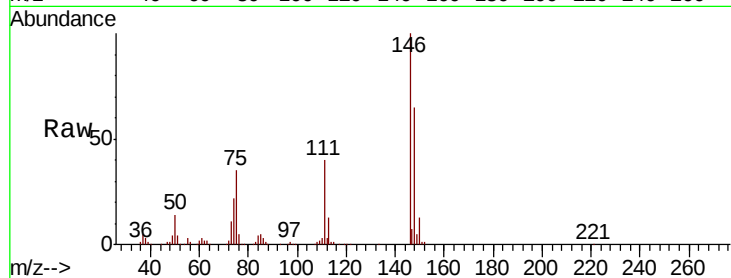
Tot Ion:146 Resp: 227487

Ion Ratio Lower Upper

146 100

148 65.2 51.8 77.8

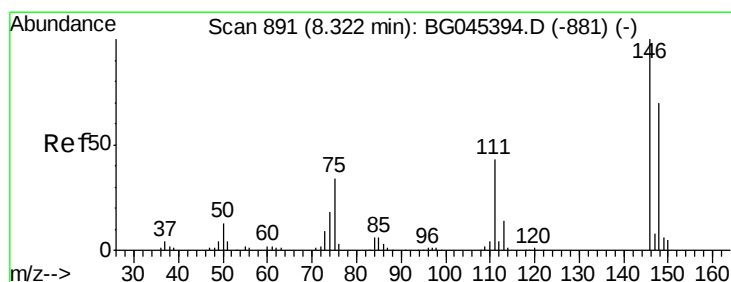
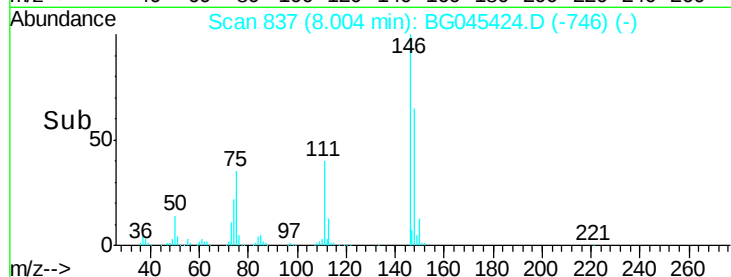
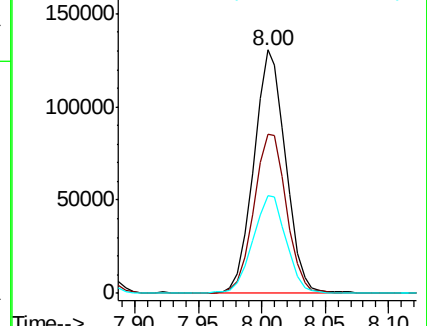
111 40.2 32.1 48.1



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

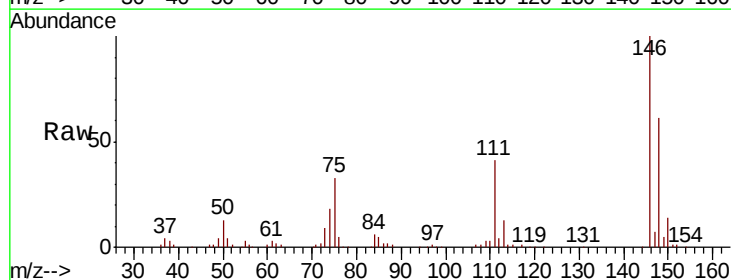
Tgt Ion:146 Resp: 138985

Ion Ratio Lower Upper

146 100

148 61.2 55.9 83.9

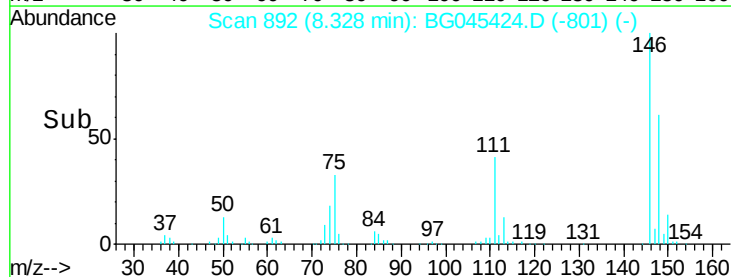
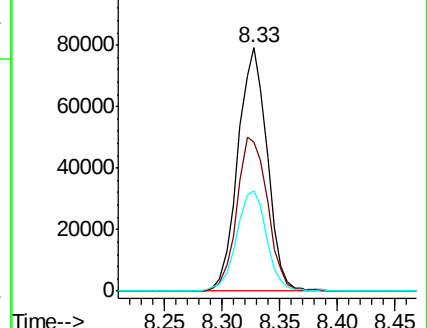
111 41.0 35.0 52.4

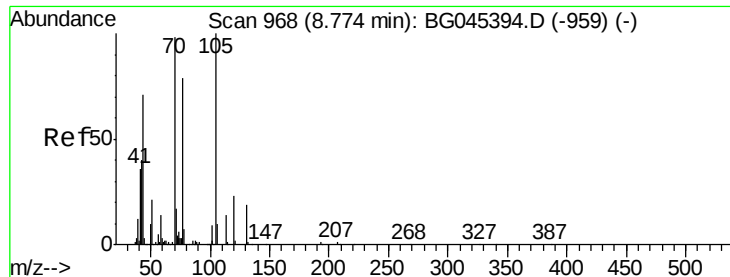


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

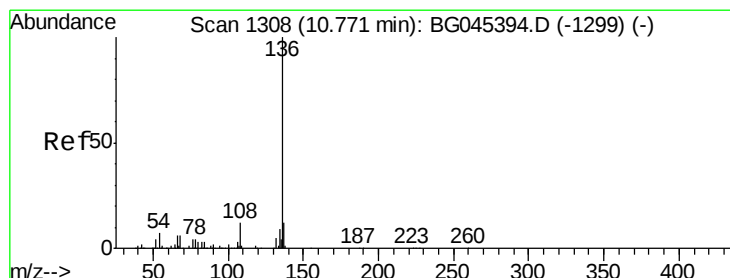
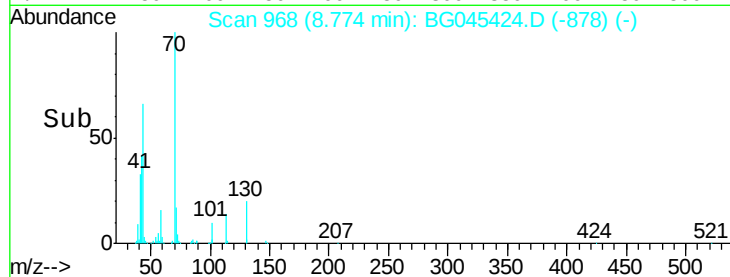
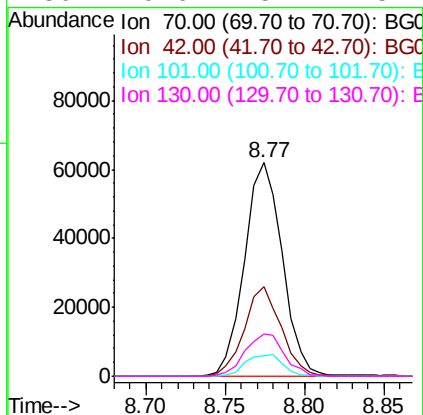
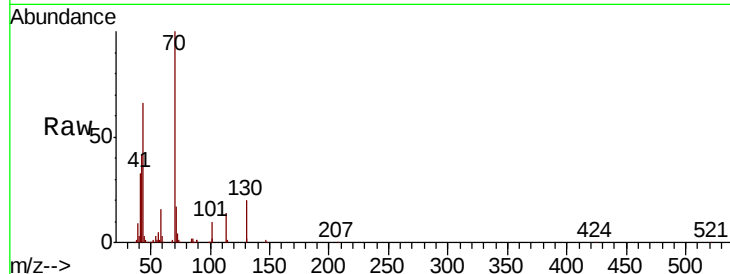




#19
n-Nitroso-di-n-propylamine
Concen: 23.978 ng
RT: 8.77 min Scan# 968
Delta R.T. -0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

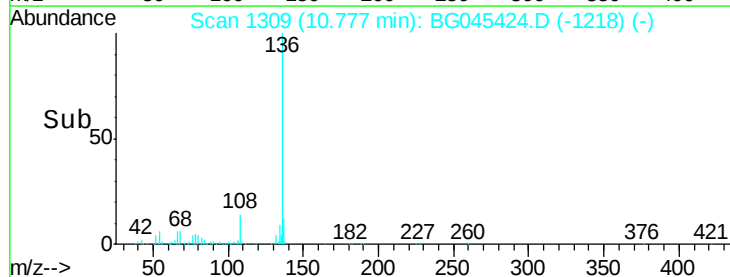
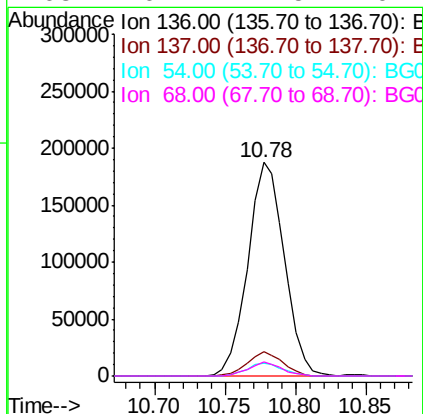
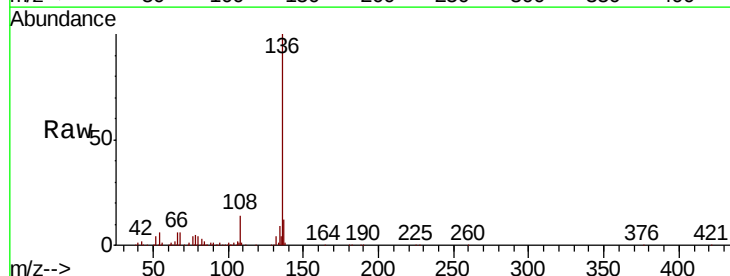
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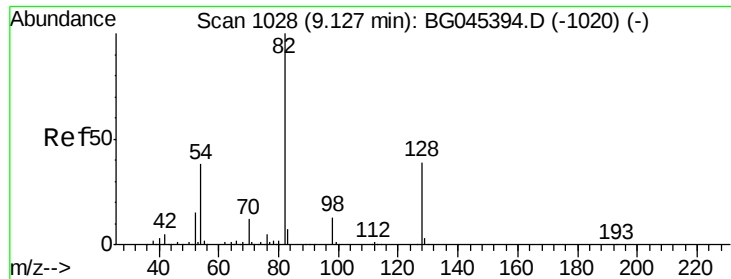
Tot Ion:	70	Resp:	103111
Ion	Ratio	Lower	Upper
70	100		
42	42.1	33.2	49.8
101	9.7	7.8	11.6
130	19.6	15.4	23.2



#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

Tgt 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

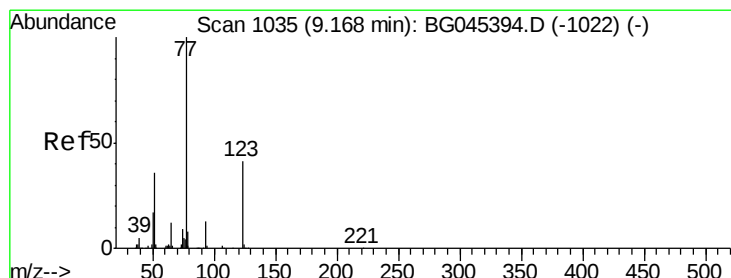
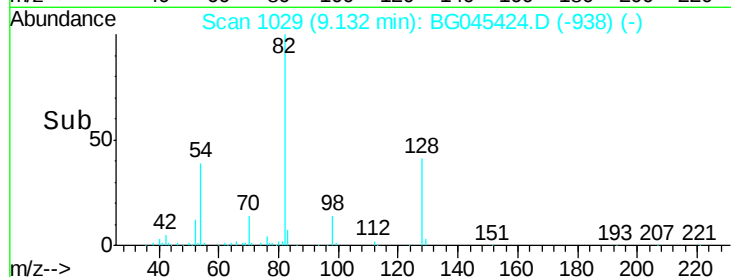
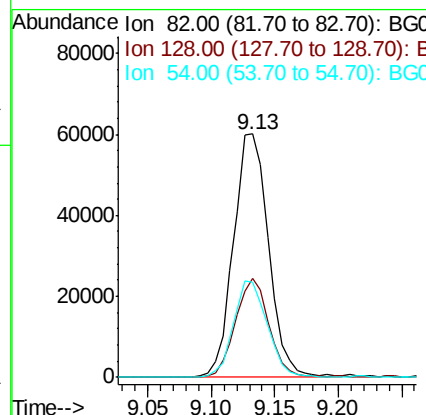
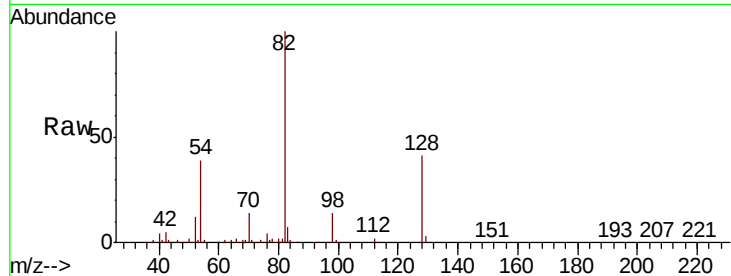




#23
 Nitrobenzene-d5
 Concen: 18.467 ng
 RT: 9.13 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

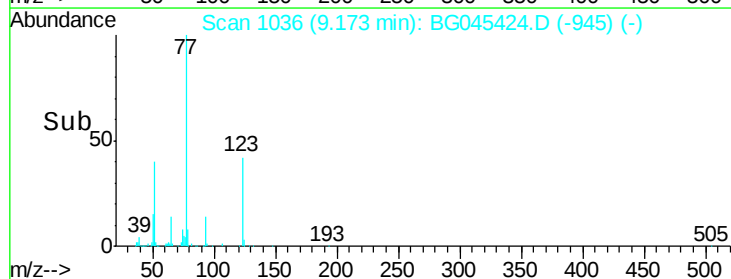
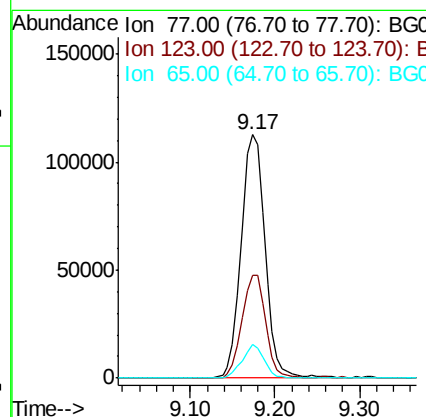
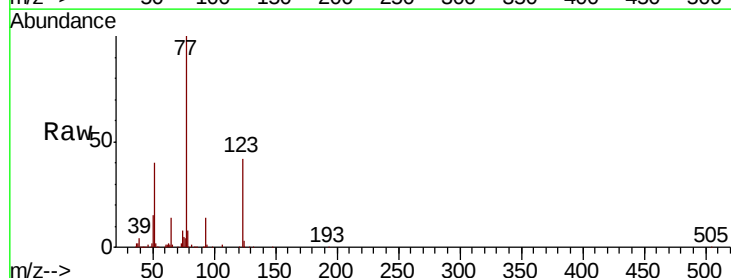
Instrument :
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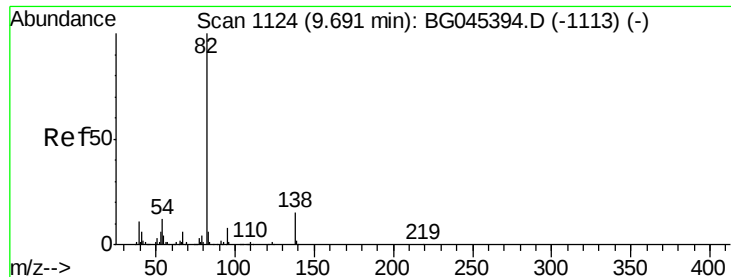
Tot Ion	82	Resp	115227
Ion Ratio	Lower	Upper	
82	100		
128	40.8	30.9	46.3
54	39.2	30.3	45.5



#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

Tgt Ion	77	Resp	219970
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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

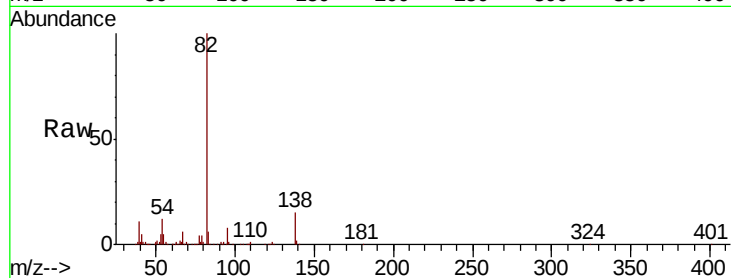
Tot Ion: 82 Resp: 542179

Ion Ratio Lower Upper

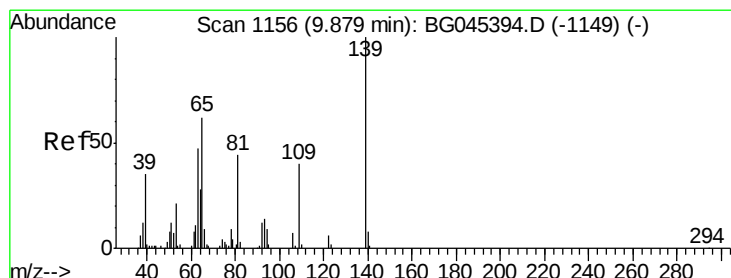
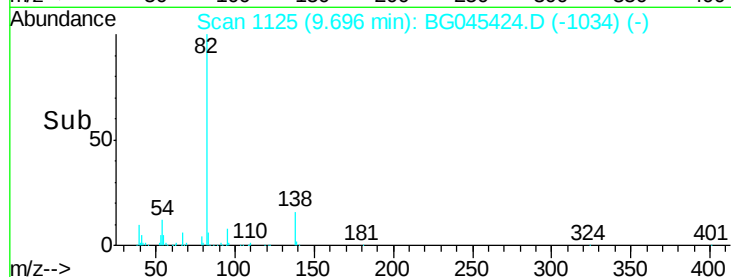
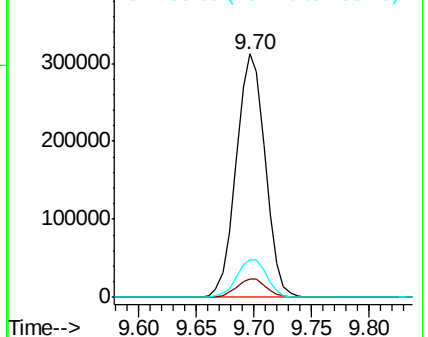
82 100

95 7.6 6.7 10.1

138 15.4 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: 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

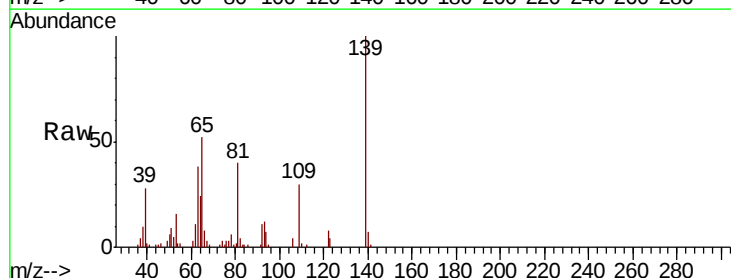
Tgt Ion: 139 Resp: 48527

Ion Ratio Lower Upper

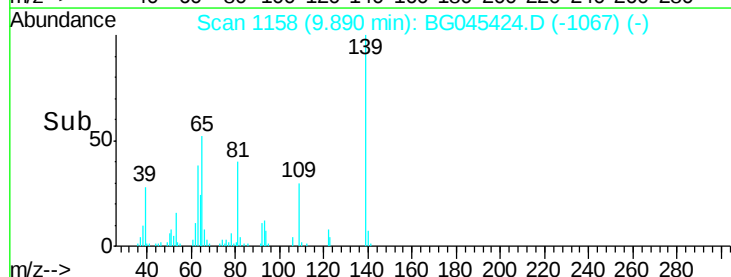
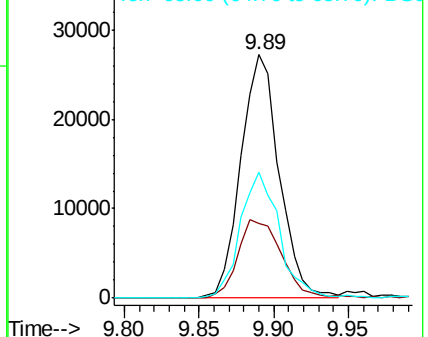
139 100

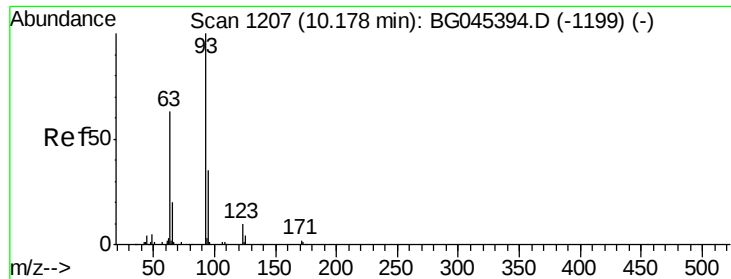
109 30.5 32.2 48.4#

65 51.5 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

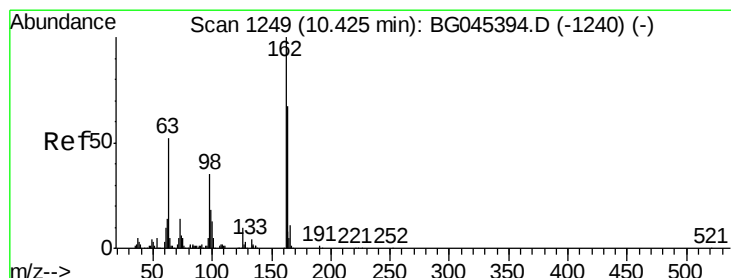
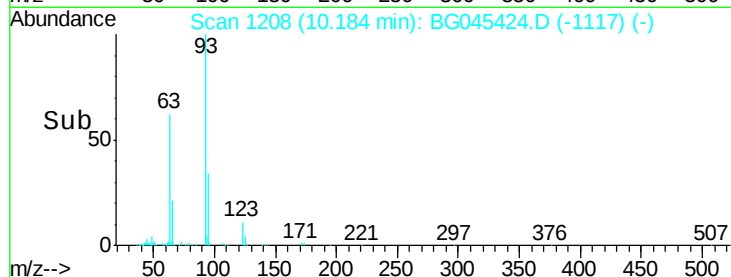
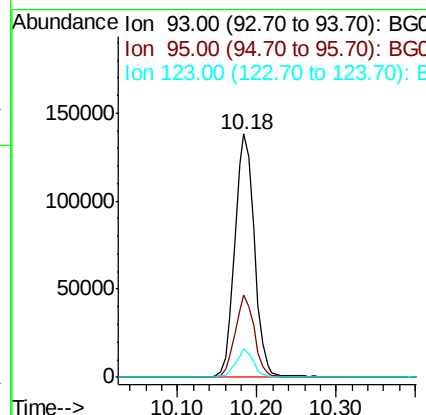
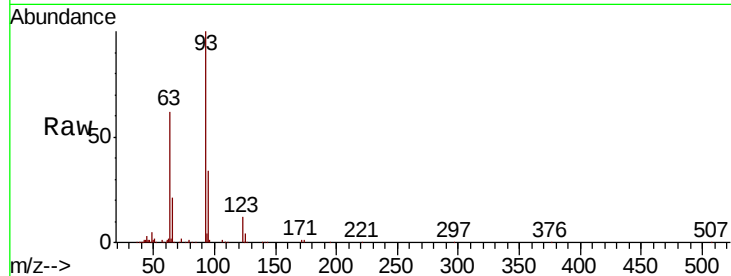




#28
bis(2-Chloroethoxy)methane
Concen: 36.751 ng
RT: 10.18 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

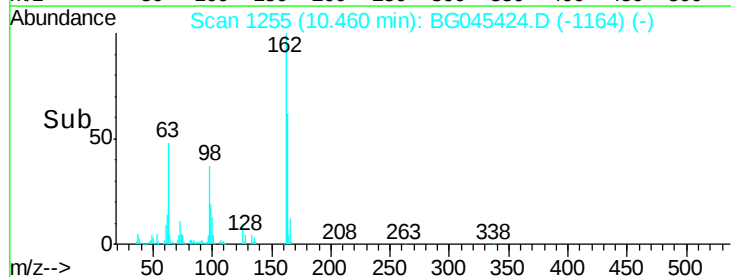
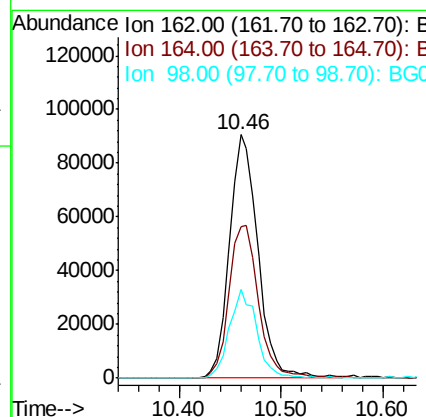
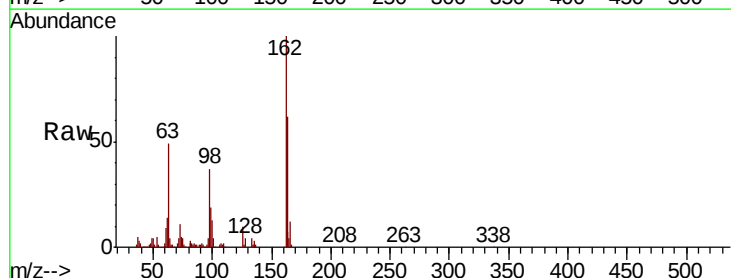
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

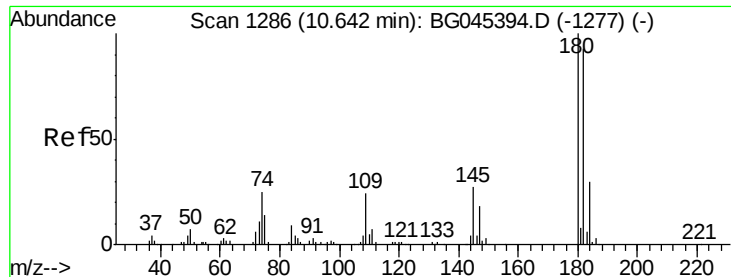
Tot Ion: 93 Resp: 236835
Ion Ratio Lower Upper
93 100
95 34.0 27.6 41.4
123 11.6 8.1 12.1



#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

Tgt Ion: 162 Resp: 176706
Ion Ratio Lower Upper
162 100
164 62.5 46.8 86.8
98 36.6 15.2 55.2

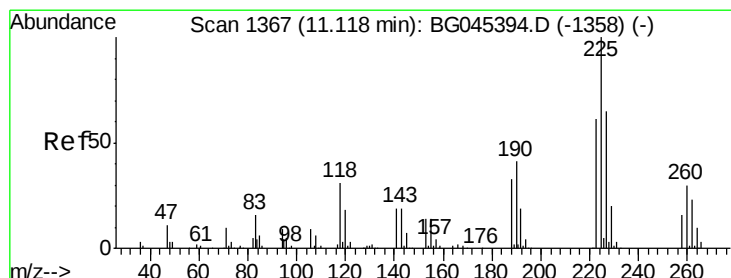
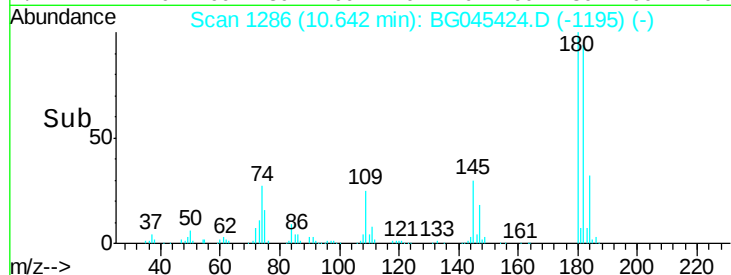
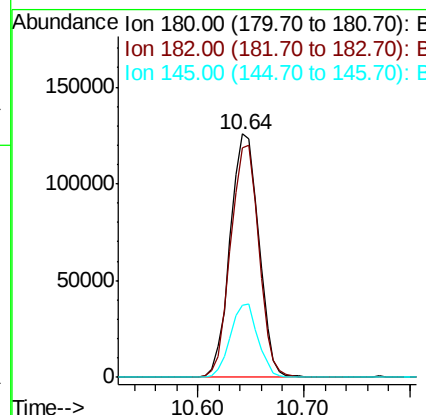
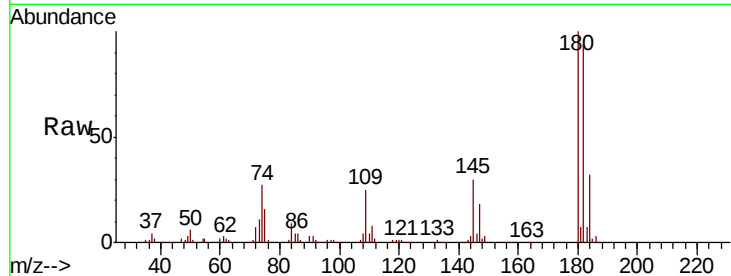




#30
 1,2,4-Trichlorobenzene
 Concen: 39.844 ng
 RT: 10.64 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

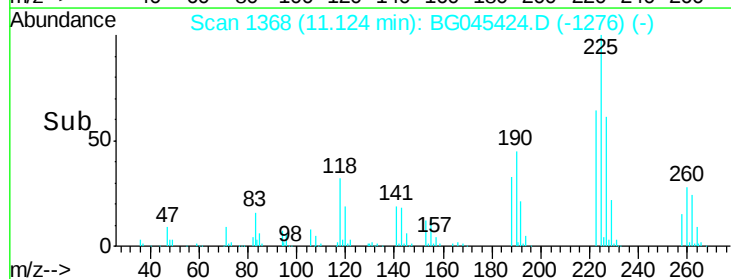
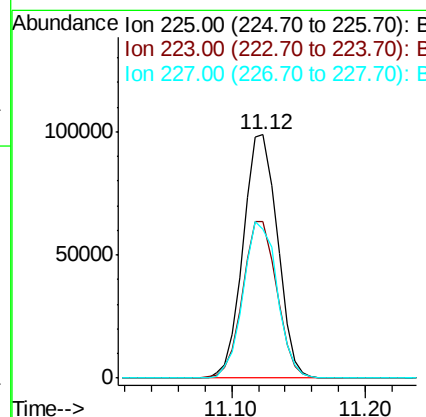
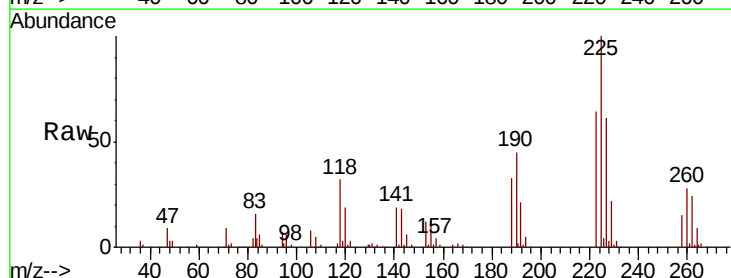
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILDL

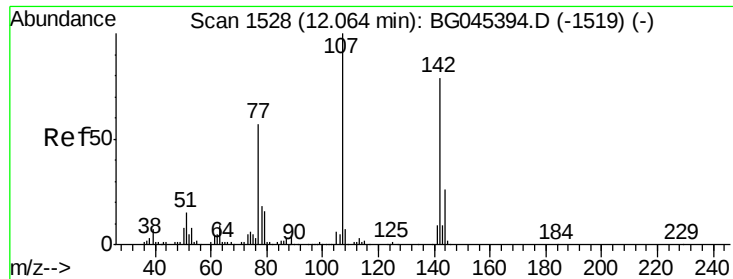
Tot Ion:180 Resp: 235820
 Ion Ratio Lower Upper
 180 100
 182 94.1 74.8 112.2
 145 29.6 21.9 32.9



#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

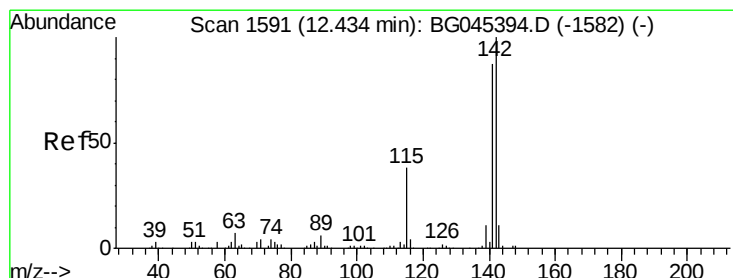
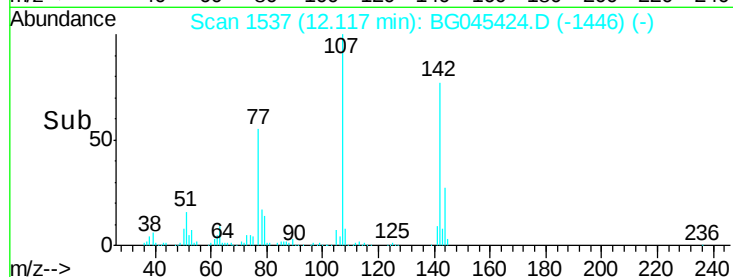
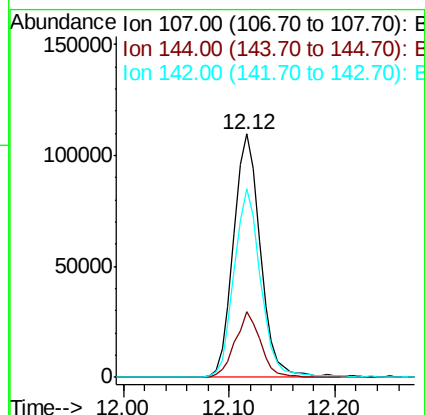
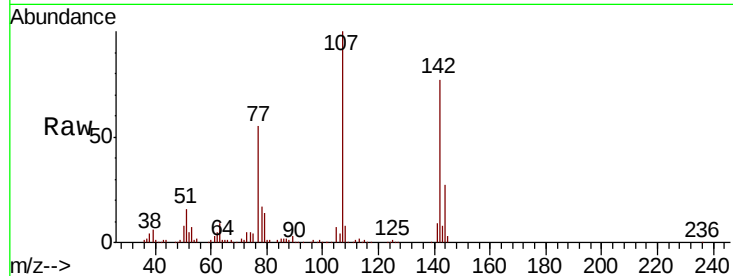




#36
4-Chloro-3-methylphenol
Concen: 34.179 ng
RT: 12.12 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

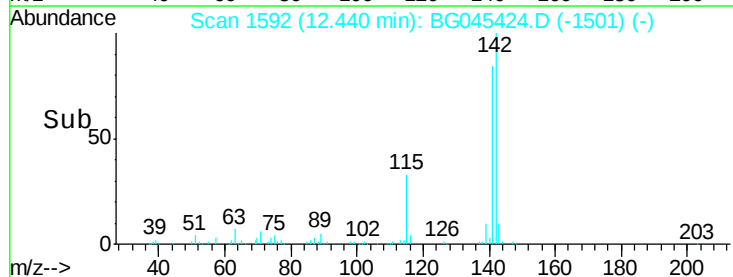
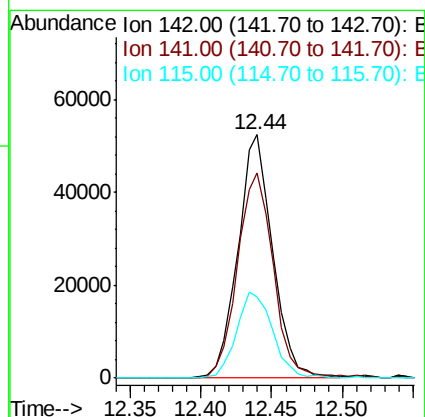
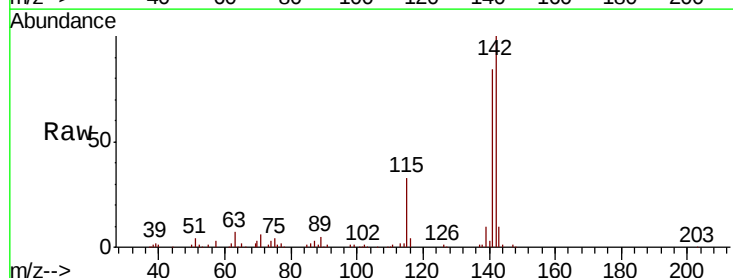
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

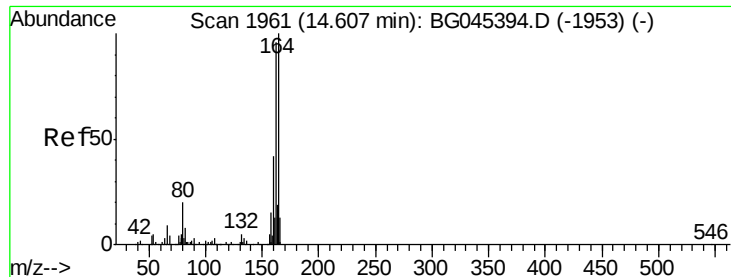
Tot Ion:107 Resp: 192909
Ion Ratio Lower Upper
107 100
144 26.8 20.8 31.2
142 77.3 62.8 94.2



#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

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





#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

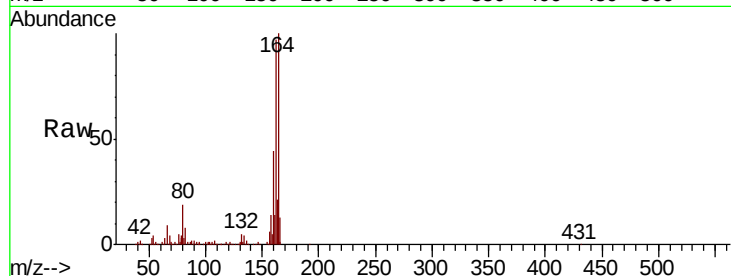
Tot Ion:164 Resp: 251618

Ion Ratio Lower Upper

164 100

162 97.0 76.9 115.3

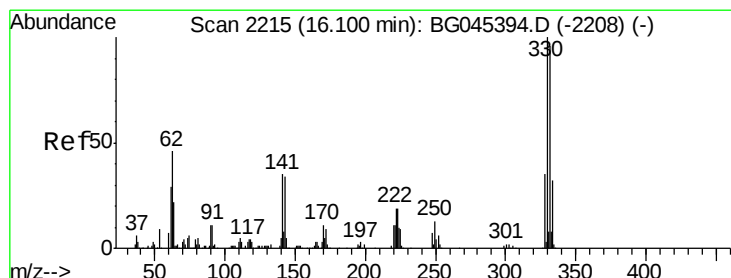
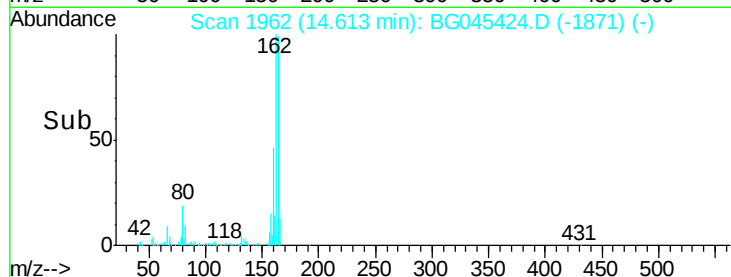
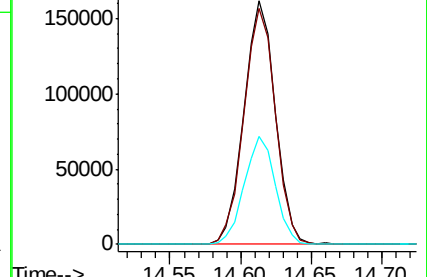
160 44.5 33.8 50.8



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

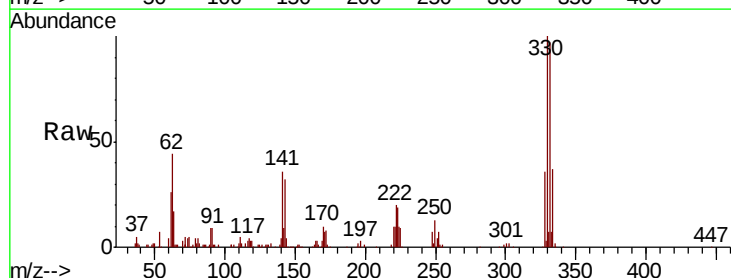
Tgt Ion:330 Resp: 84170

Ion Ratio Lower Upper

330 100

332 95.5 78.2 117.4

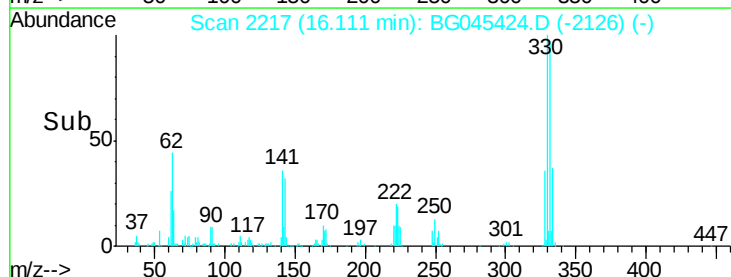
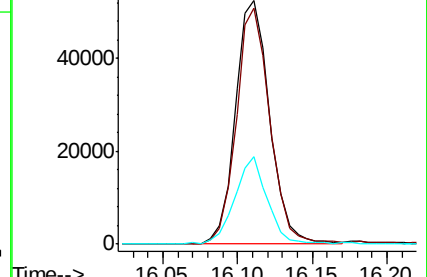
141 34.3 28.2 42.4

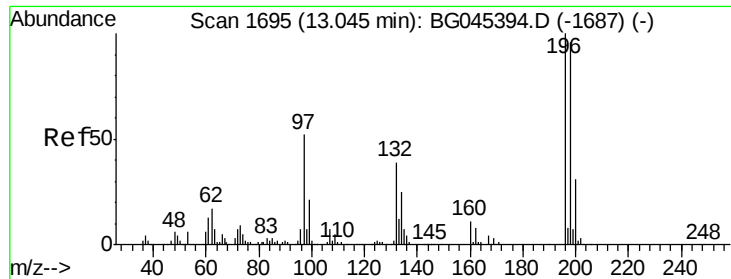


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

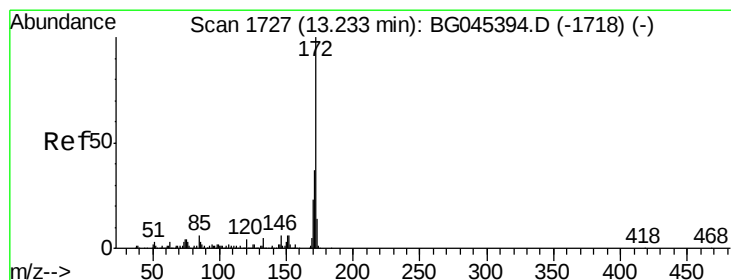
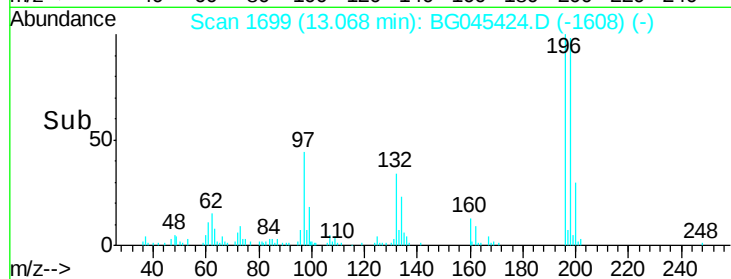
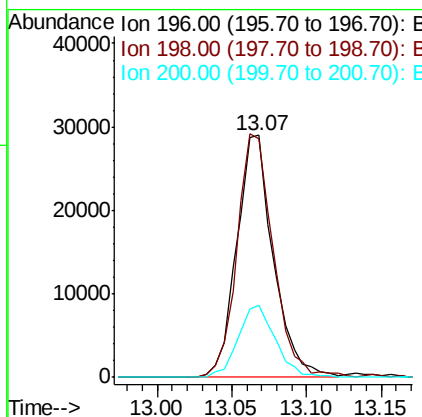
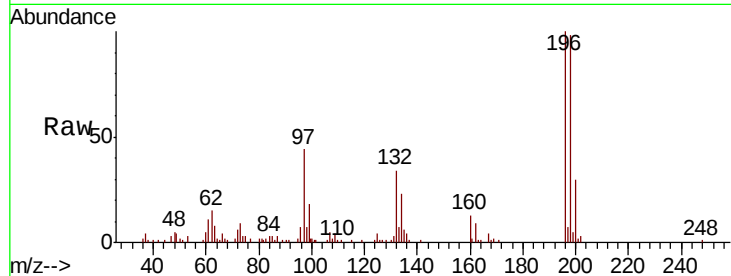




#43
 2,4,6-Trichlorophenol
 Concen: 10.118 ng
 RT: 13.07 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

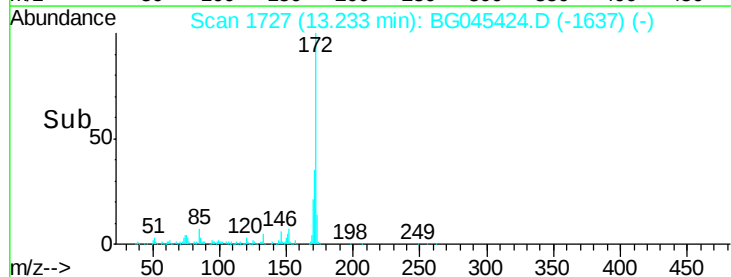
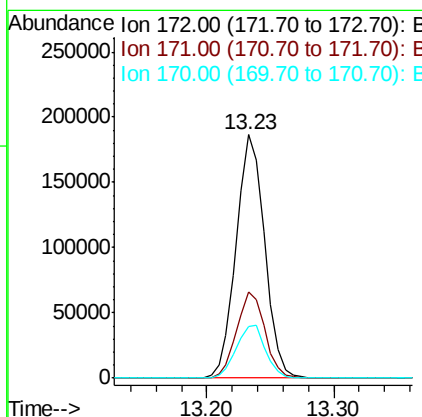
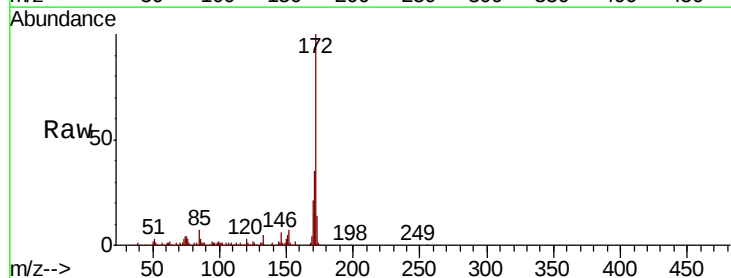
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

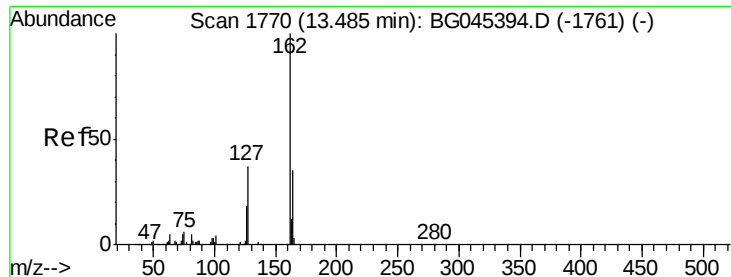
Tot Ion:196 Resp: 49398
 Ion Ratio Lower Upper
 196 100
 198 98.3 76.7 115.1
 200 29.6 24.9 37.3



#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

Tgt Ion:172 Resp: 290136
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.5 44.3
 170 21.3 18.5 27.7

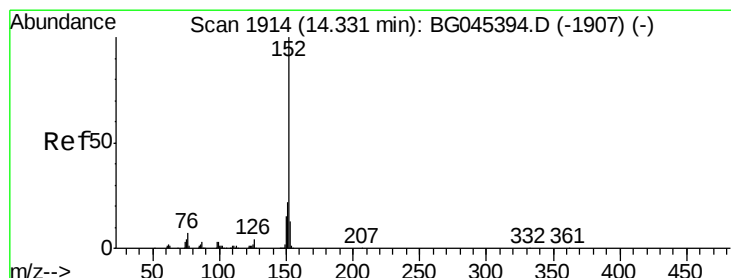
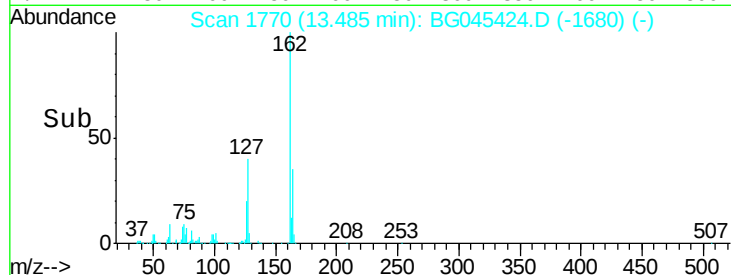
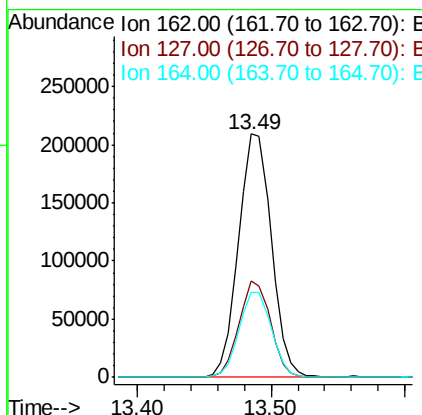
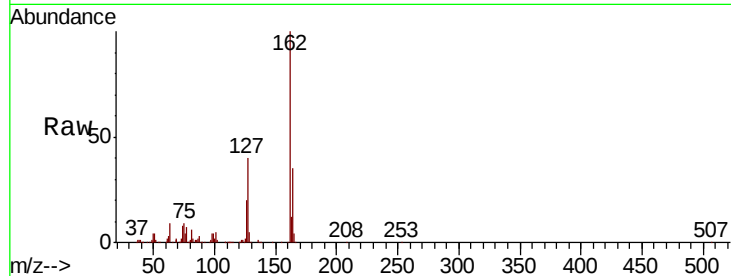




#47
2-Chloronaphthalene
Concen: 28.498 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

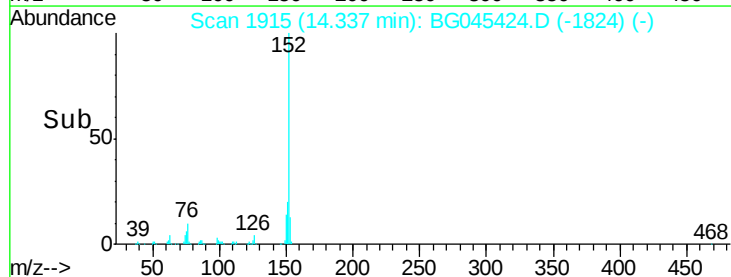
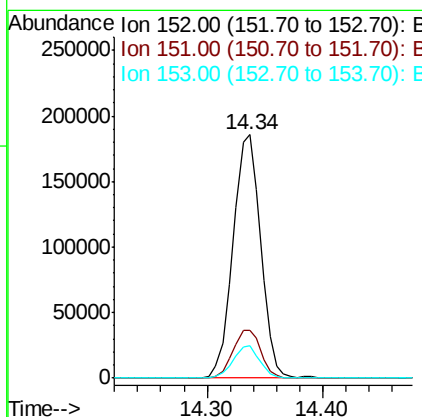
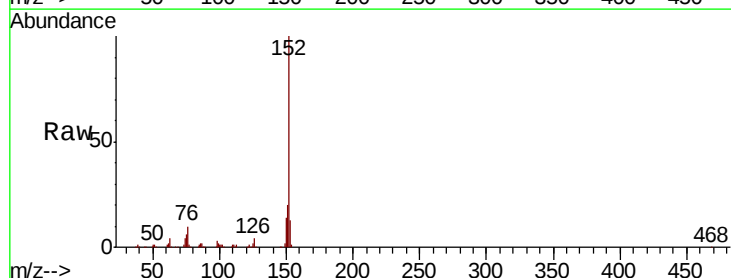
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

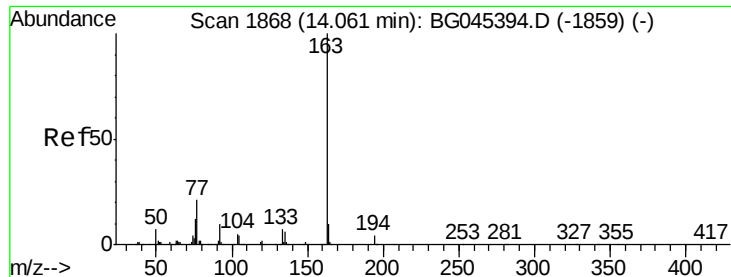
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.6	47.4
164	34.9	28.1	42.1



#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

Tgt 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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

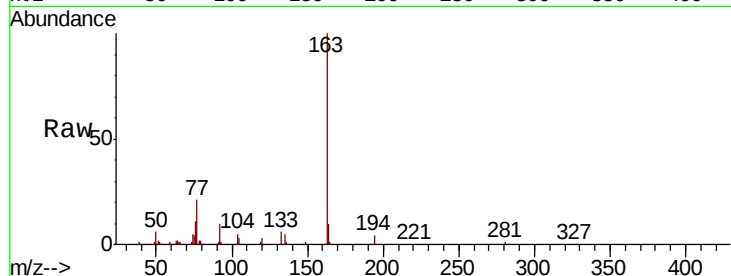
Tot Ion:163 Resp: 222514

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

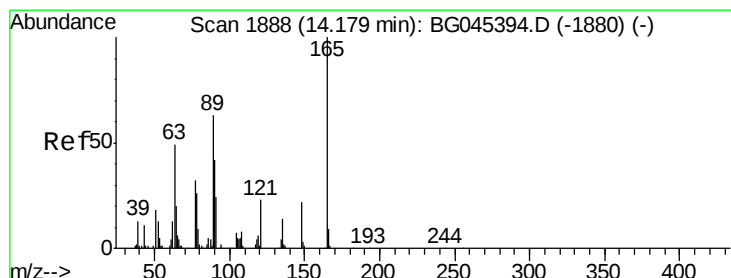
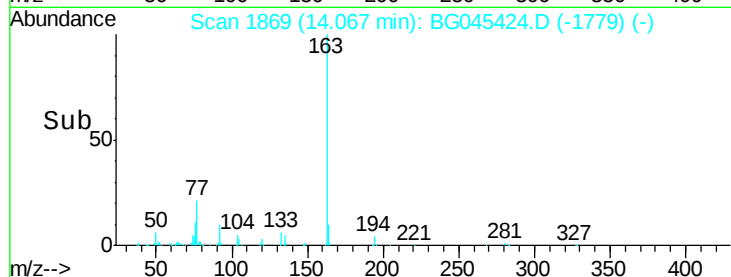
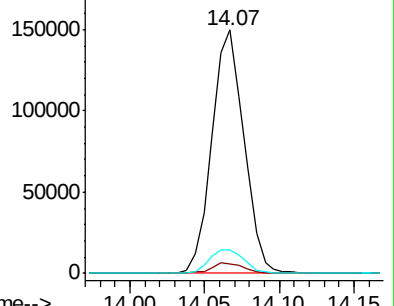
164 9.8 8.3 12.5



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: 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

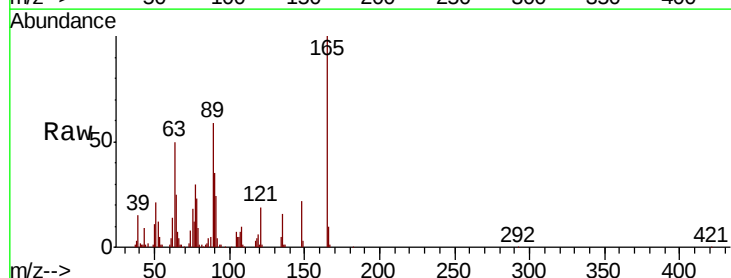
Tgt Ion:165 Resp: 76003

Ion Ratio Lower Upper

165 100

63 49.8 45.0 67.4

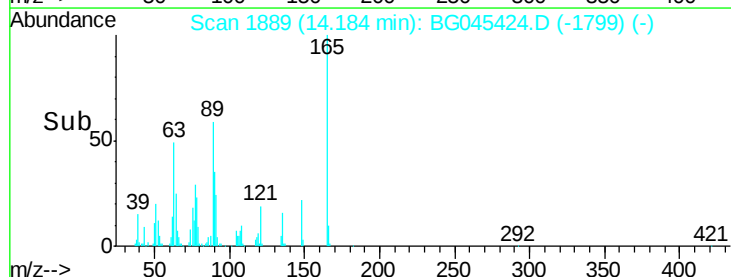
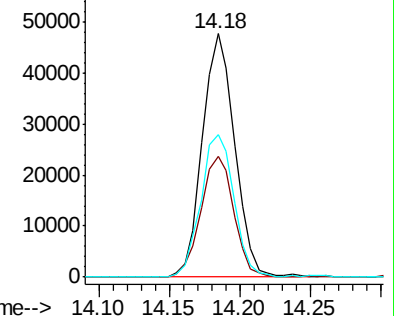
89 58.7 50.2 75.4

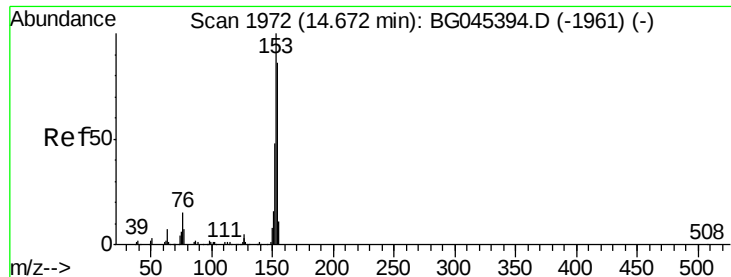


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

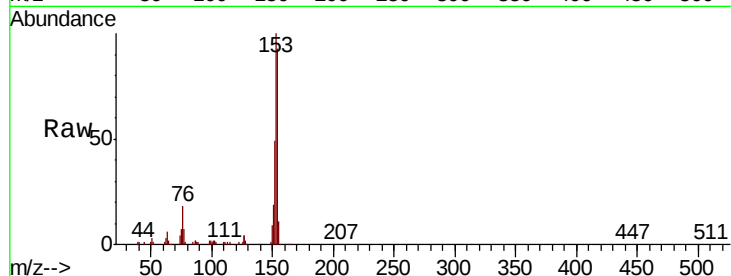
Tot Ion:154 Resp: 81618

Ion Ratio Lower Upper

154 100

153 107.9 92.8 139.2

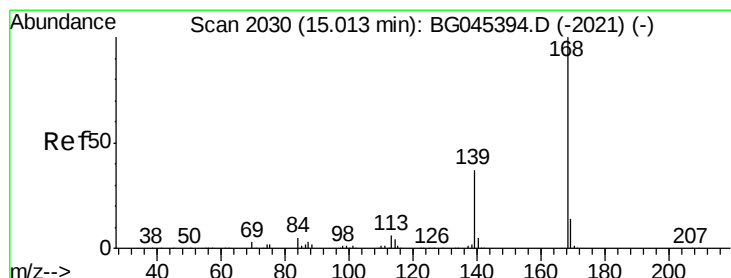
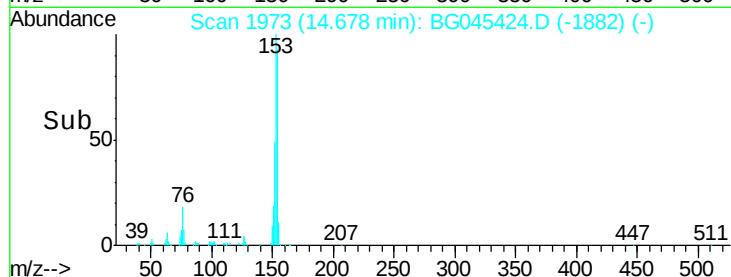
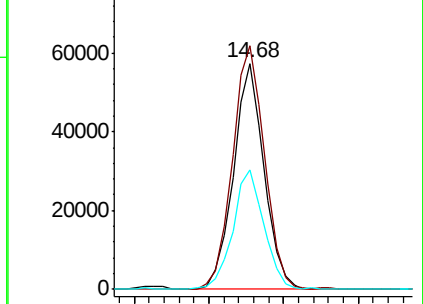
152 52.8 44.6 66.8



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



#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

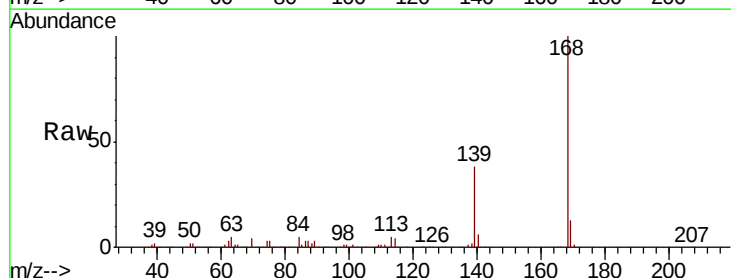
Tgt Ion:168 Resp: 595285

Ion Ratio Lower Upper

168 100

139 38.3 29.9 44.9

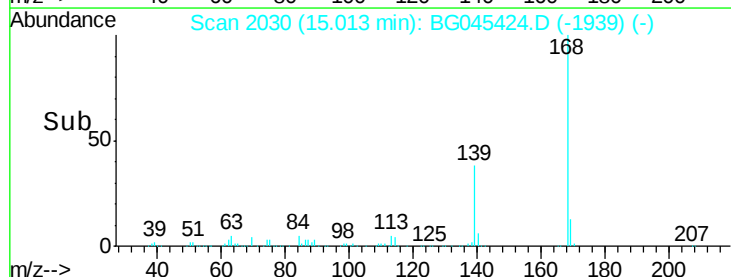
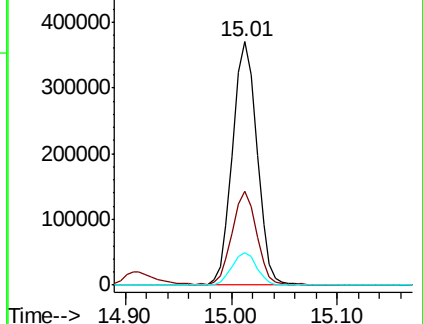
169 13.2 10.9 16.3

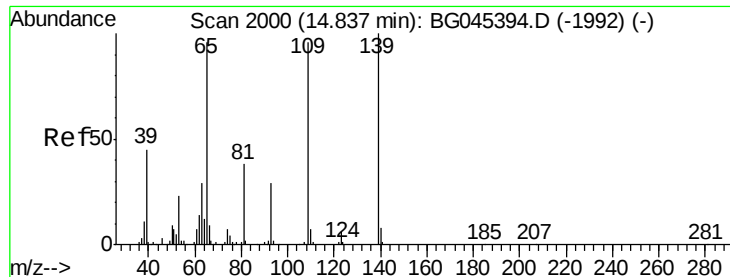


Abundance Ion 168.00 (167.70 to 168.70): E

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

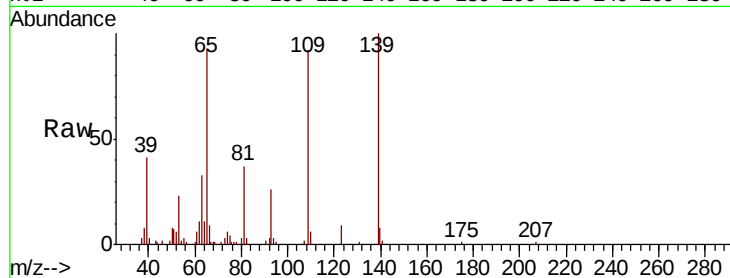
Tot Ion:139 Resp: 43532

Ion Ratio Lower Upper

139 100

109 91.6 75.6 115.6

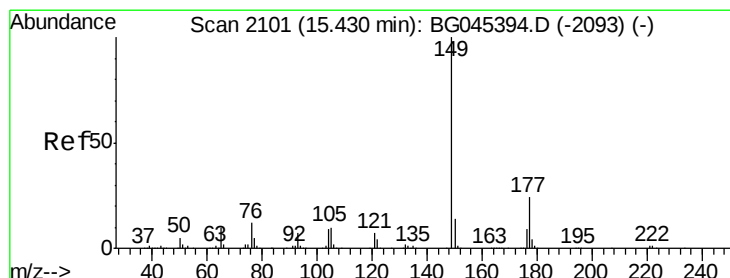
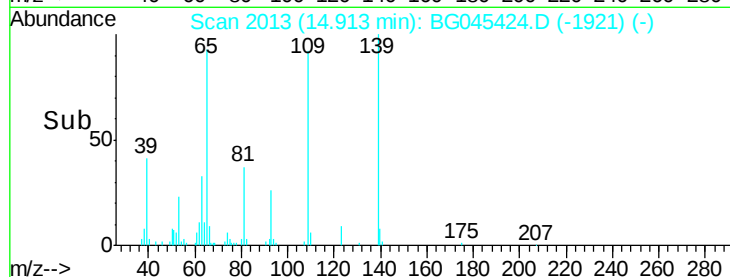
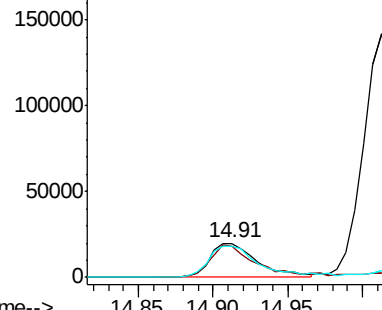
65 92.6 76.8 116.8



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

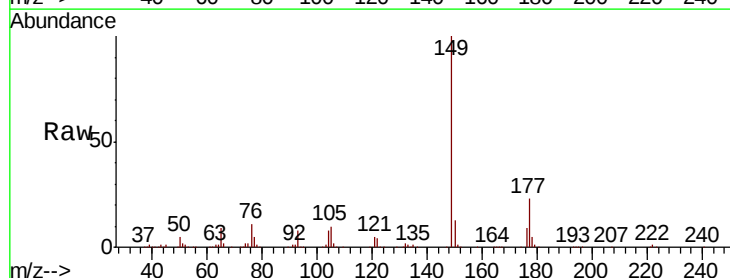
Tgt Ion:149 Resp: 540025

Ion Ratio Lower Upper

149 100

177 23.3 19.0 28.4

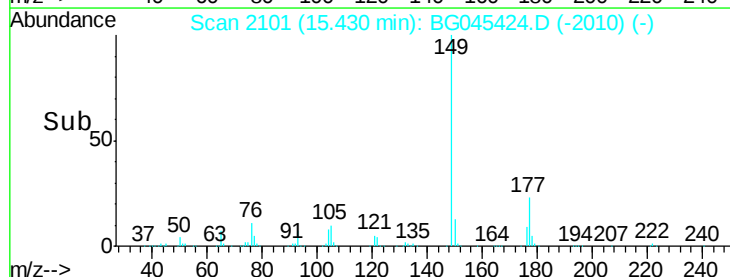
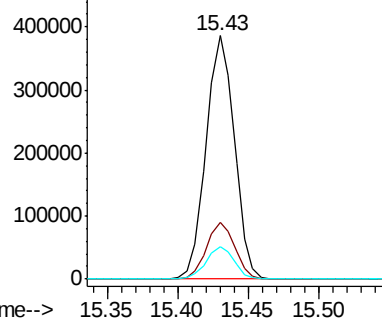
150 13.1 11.4 17.0

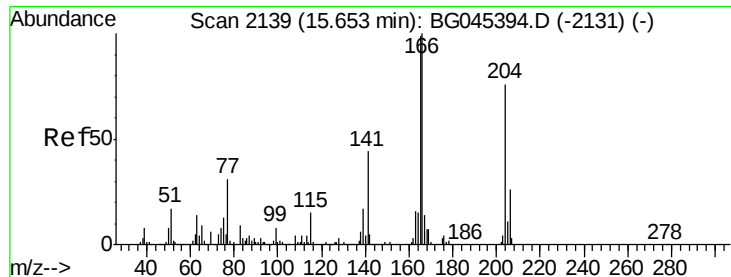


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

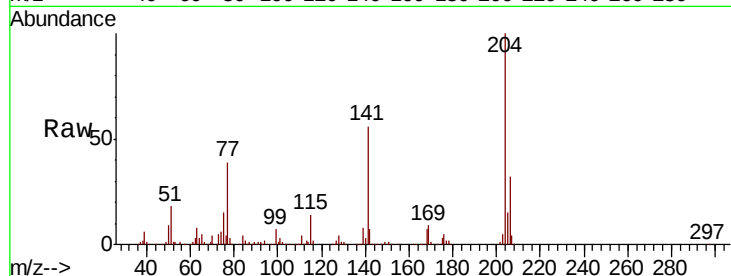




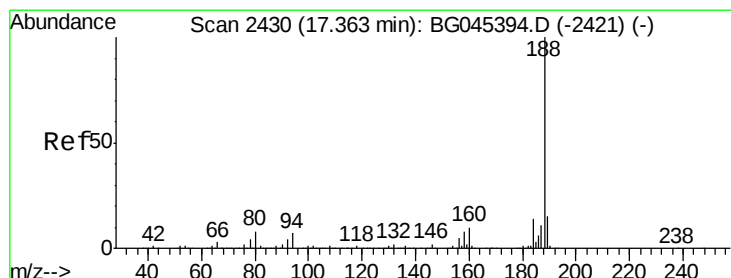
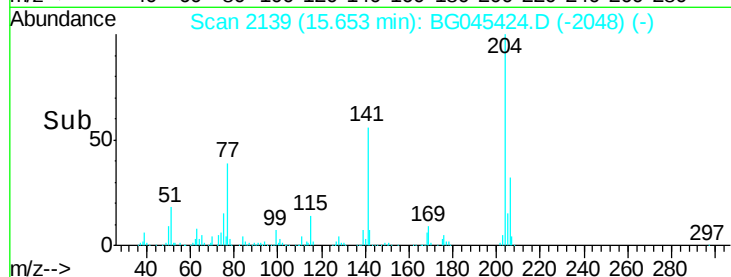
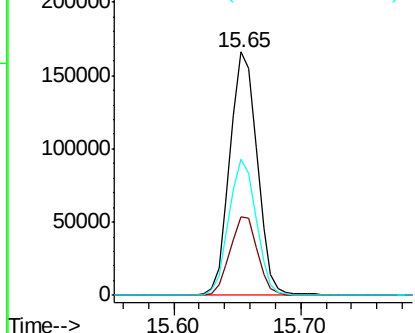
#61
 4-Chlorophenyl-phenylether
 Concen: 26.357 ng
 RT: 15.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

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

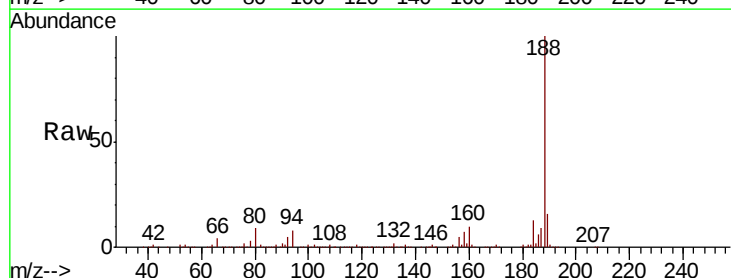


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

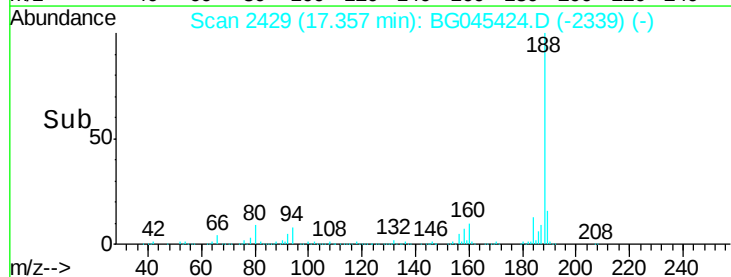
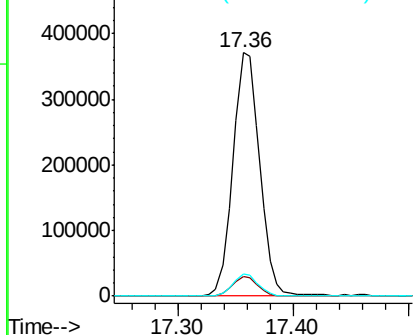


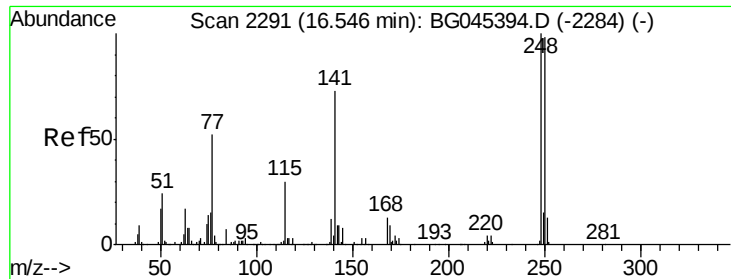
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

Tgt 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): BGC
 Ion 80.00 (79.70 to 80.70): BGC

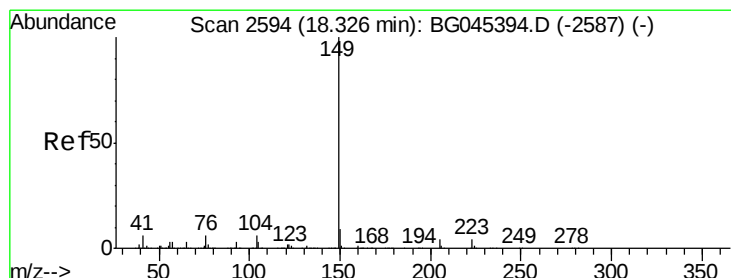
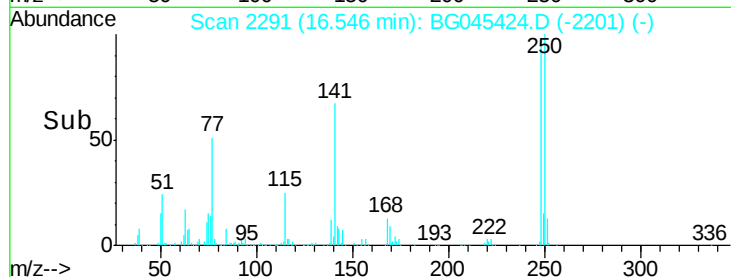
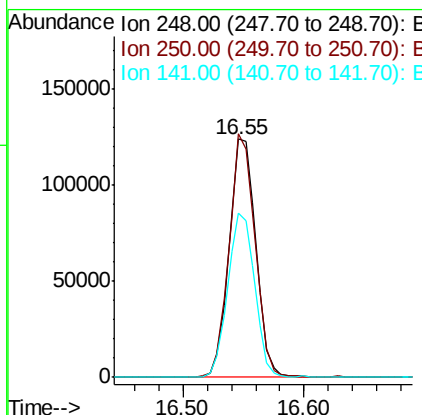
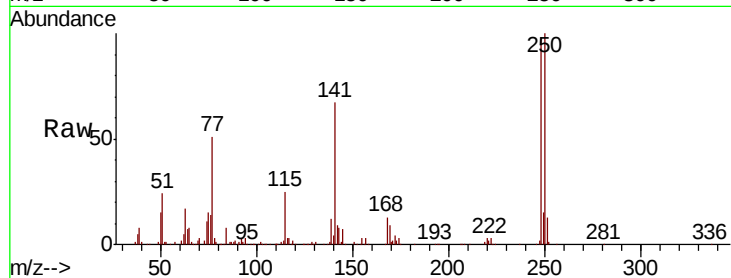




#67
 4-Bromophenyl-phenylether
 Concen: 29.681 ng
 RT: 16.55 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BG045424.D
 Acq: 19 May 2020 14:10

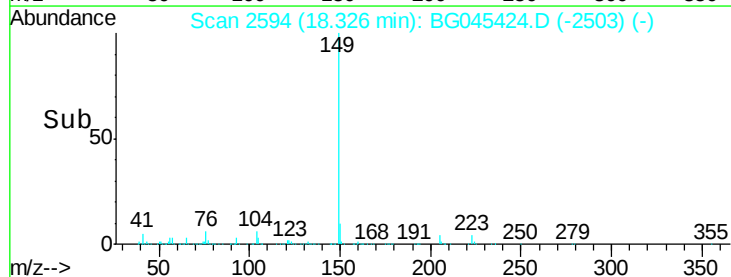
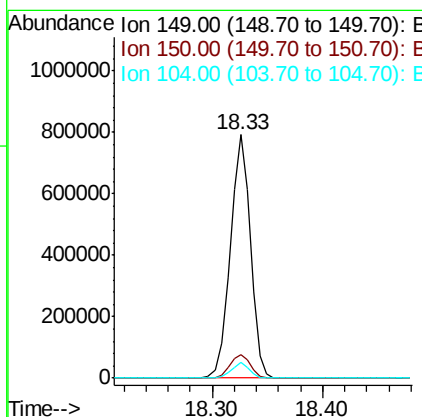
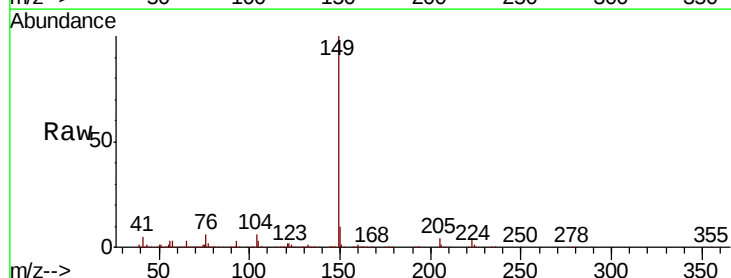
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

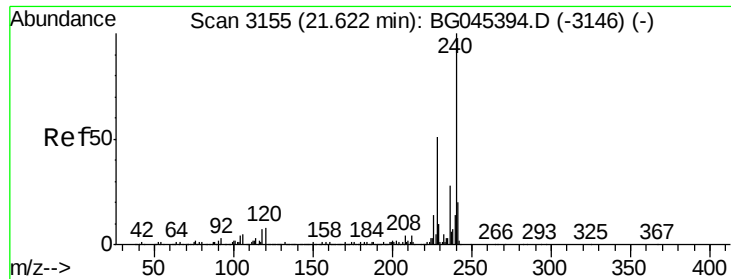
Tot Ion:248 Resp: 191249
 Ion Ratio Lower Upper
 248 100
 250 102.3 78.6 117.8
 141 69.0 58.2 87.2



#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

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

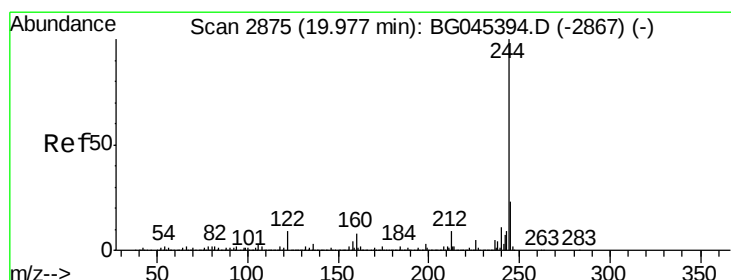
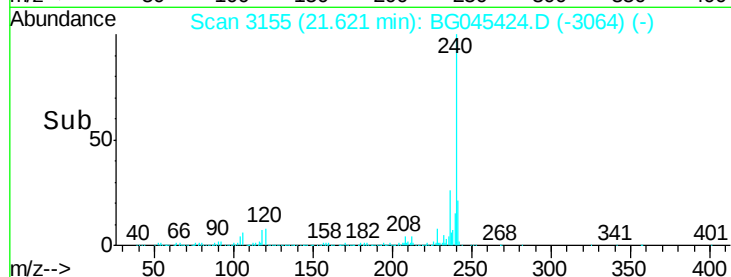
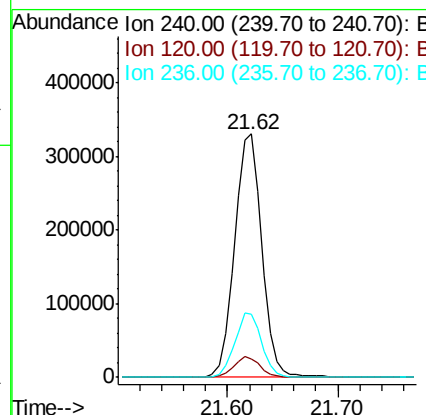
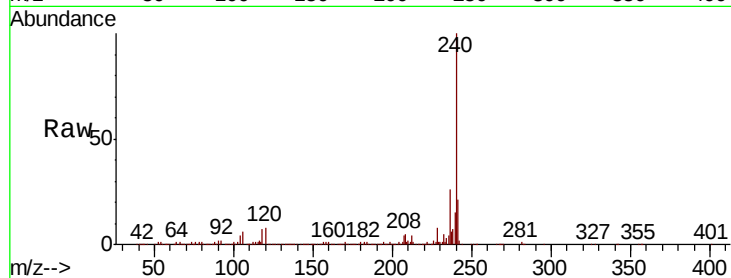




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

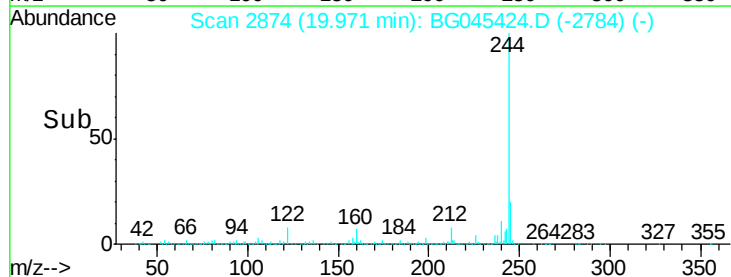
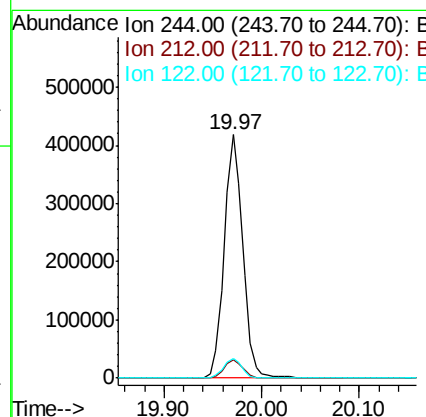
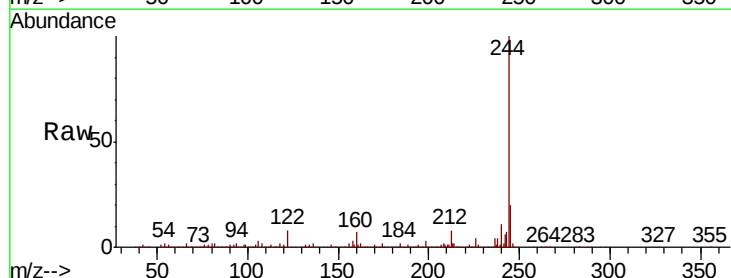
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

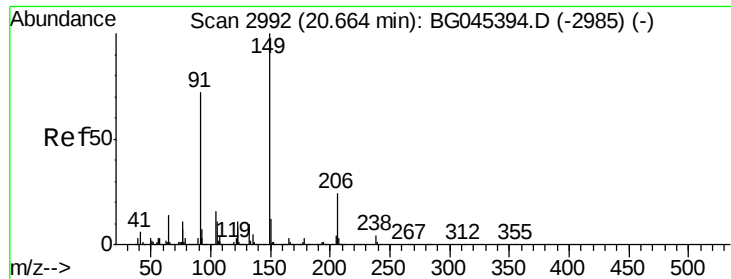
Tot Ion:240 Resp: 572002
Ion Ratio Lower Upper
240 100
120 7.8 6.1 9.1
236 25.8 22.3 33.5



#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

Tgt Ion:244 Resp: 552836
Ion Ratio Lower Upper
244 100
212 7.7 7.4 11.0
122 8.2 6.8 10.2

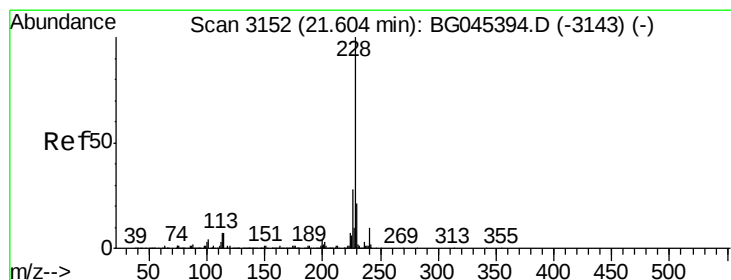
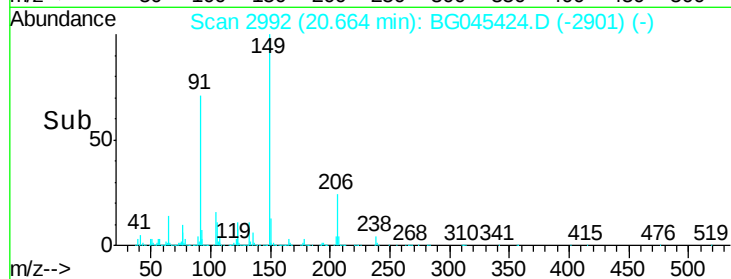
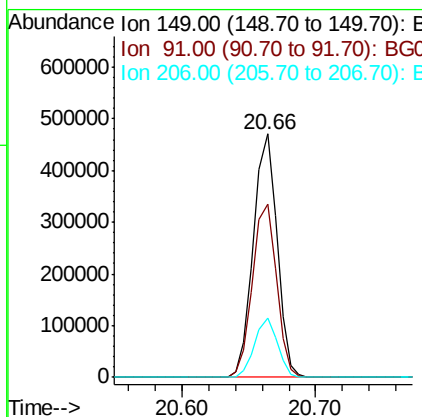
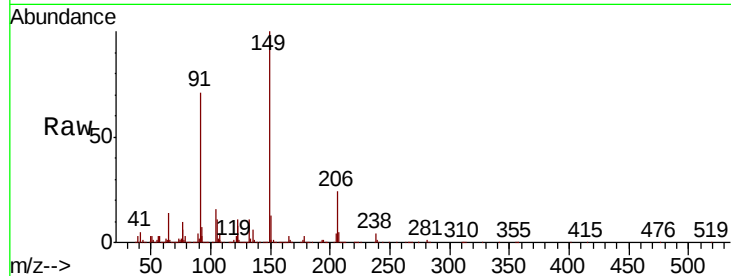




#80
Butylbenzylphthalate
Concen: 40.692 ng
RT: 20.66 min Scan# 2992
Delta R.T. 0.00 min
Lab File: BG045424.D
Acq: 19 May 2020 14:10

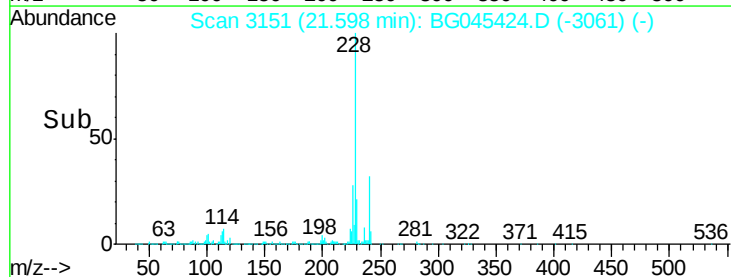
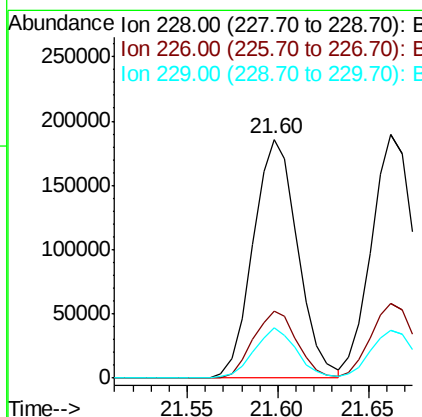
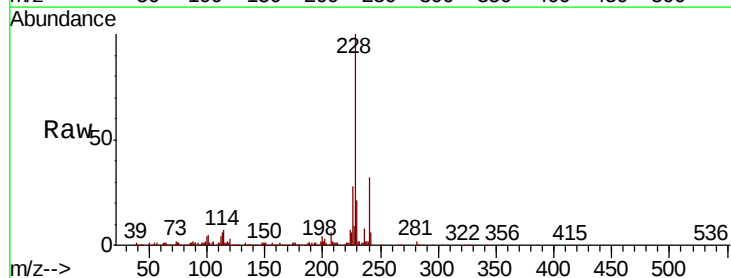
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

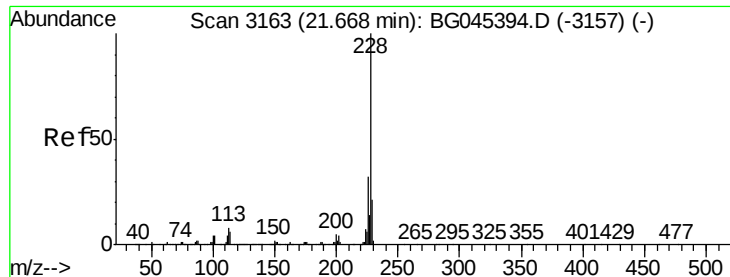
Tot Ion:149 Resp: 572703
Ion Ratio Lower Upper
149 100
91 71.1 57.8 86.6
206 24.2 19.1 28.7



#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

Tgt Ion:228 Resp: 319447
Ion Ratio Lower Upper
228 100
226 27.9 22.7 34.1
229 20.9 16.7 25.1





#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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

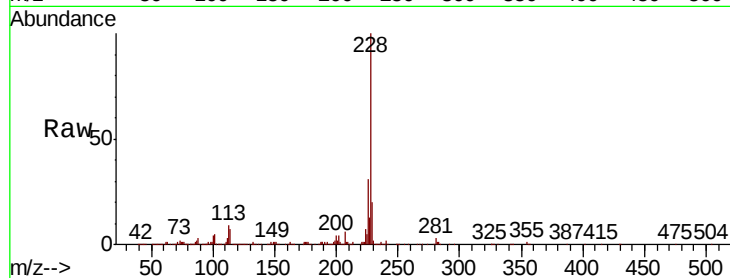
Tot Ion:228 Resp: 314108

Ion Ratio Lower Upper

228 100

226 30.8 25.2 37.8

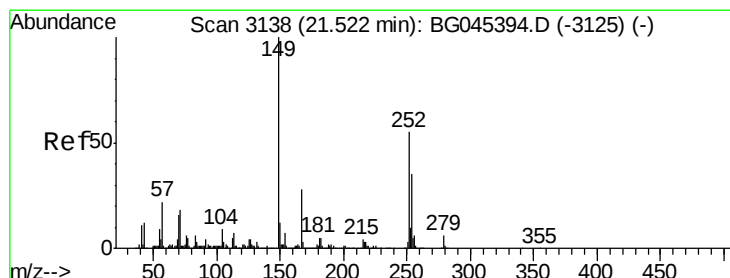
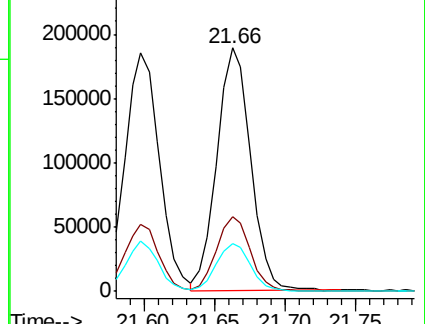
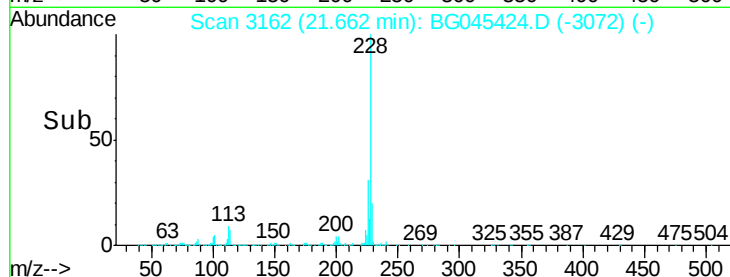
229 19.5 16.7 25.1



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

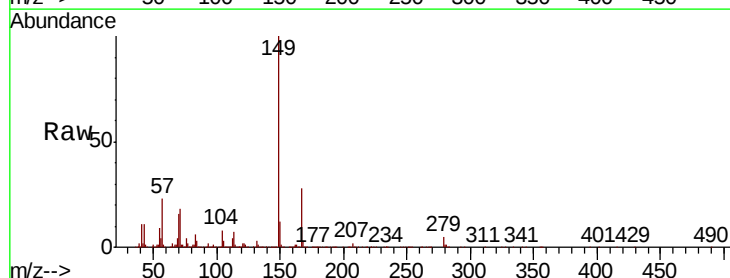
Tgt Ion:149 Resp: 720565

Ion Ratio Lower Upper

149 100

167 28.1 22.2 33.2

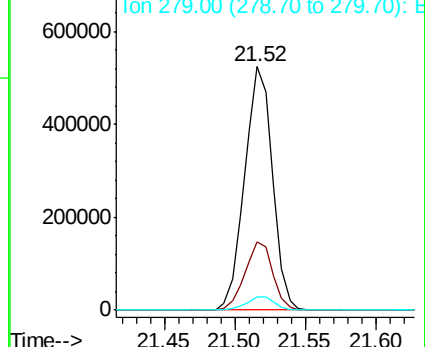
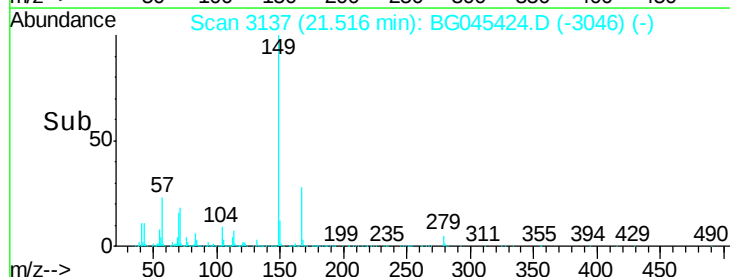
279 5.2 4.7 7.1

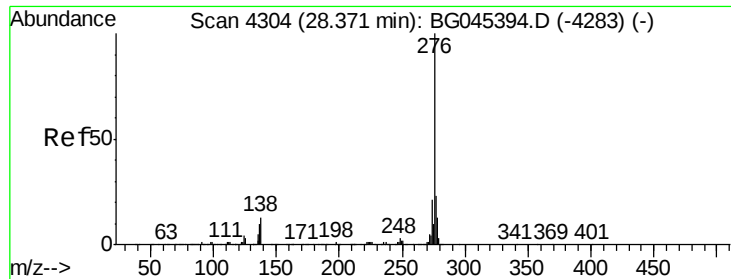


Abundance Ion 149.00 (148.70 to 149.70): E

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

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

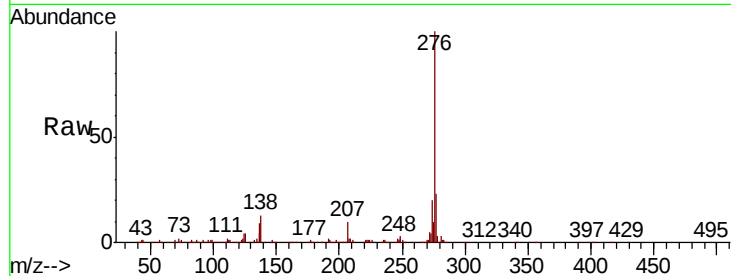
Tot Ion:276 Resp: 510418

Ion Ratio Lower Upper

276 100

138 13.2 8.6 12.8#

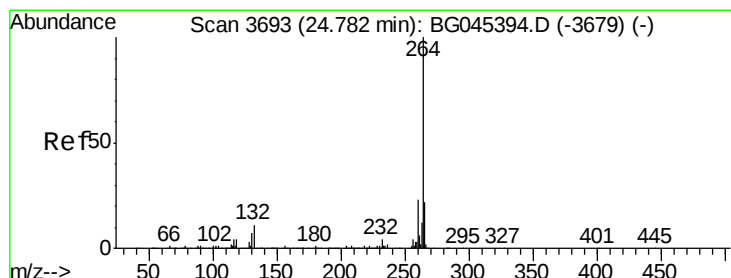
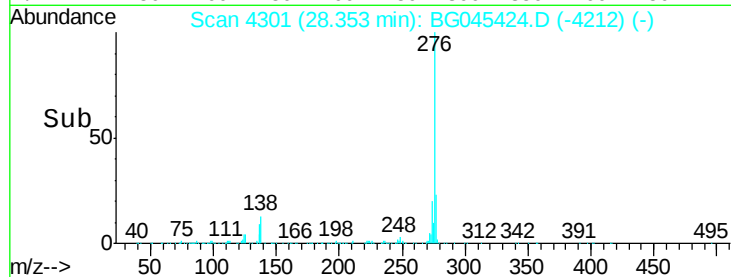
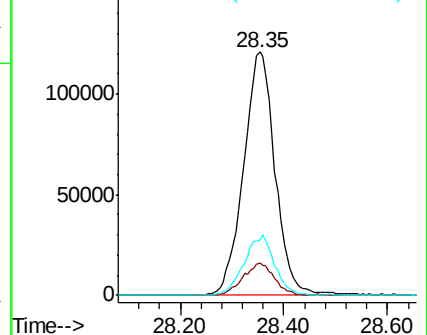
277 24.1 20.2 30.4



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

Perylene-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

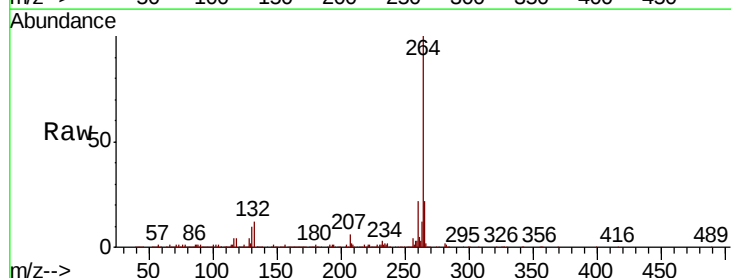
Tgt Ion:264 Resp: 625852

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.4

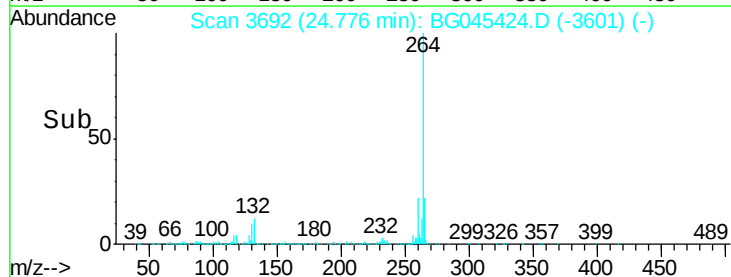
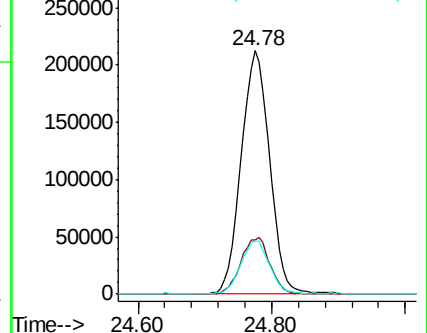
265 21.7 17.6 26.4

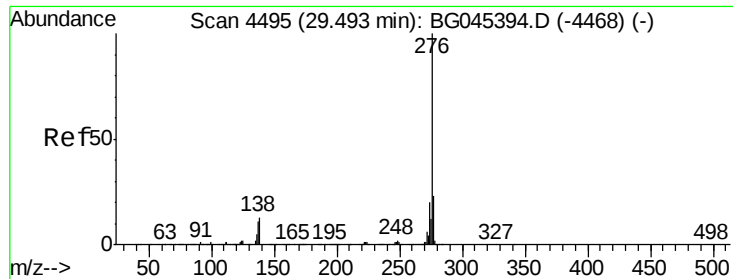


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#92
 Benzo(a,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

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.6	18.1	27.1
138	14.9	10.2	15.4

