

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051920\
 Data File : BG045423.D
 Acq On : 19 May 2020 12:07
 Operator : CG/JU
 Sample : L2447-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 19 12:45:18 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	7.97	152	88065	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	346404	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	256257	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	598650	20.00	ng	0.00
76) Chrysene-d12	21.62	240	542176	20.00	ng	0.00
87) Perylene-d12	24.77	264	619661	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	519949	115.38	ng	0.00
7) Phenol-d6	7.20	99	822840	128.29	ng	0.00
23) Nitrobenzene-d5	9.13	82	560965	88.31	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	423088	129.10	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1295854	85.77	ng	0.00
79) Terphenyl-d14	19.97	244	2126313	91.47	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.38	93	601897	71.890	ng	# 57
10) Phenol	7.23	94	606172	91.703	ng	98
11) bis(2-Chloroethyl)ether	7.38	93	601897	116.738	ng	96
12) 1,3-Dichlorobenzene	7.85	146	587012	98.849	ng	98
13) 1,4-Dichlorobenzene	8.00	146	1020072	174.061	ng	95
14) 1,2-Dichlorobenzene	8.32	146	635497	112.745	ng	98
19) n-Nitroso-di-n-propylamine	8.78	70	502530	113.306	ng	98
24) Nitrobenzene	9.18	77	1044544	153.477	ng	98
25) Isophorone	9.71	82	2336866	186.797	ng	# 93
26) 2-Nitrophenol	9.89	139	250713	86.113	ng	93
27) 2,4-Dimethylphenol	9.89	122	17056	3.950	ng	# 5
28) bis(2-Chloroethoxy)methane	10.18	93	1104522	168.352	ng	99
29) 2,4-Dichlorophenol	10.46	162	834491	163.651	ng	97
30) 1,2,4-Trichlorobenzene	10.65	180	1071322	177.800	ng	97
32) Benzoic acid	9.89	122	17056	14.617	ng	# 7
34) Hexachlorobutadiene	11.12	225	815446	191.455	ng	99
35) Caprolactam	12.11	113	30438	16.263	ng	# 34
36) 4-Chloro-3-methylphenol	12.11	107	928247	161.548	ng	100
37) 2-Methylnaphthalene	12.43	142	431075	35.829	ng	97
38) 1-Methylnaphthalene	12.43	142	431075	37.929	ng	# 96
43) 2,4,6-Trichlorophenol	13.06	196	257135	51.715	ng	99
44) 2,4,5-Trichlorophenol	13.06	196	257135	45.255	ng	# 93
47) 2-Chloronaphthalene	13.49	162	1578935	123.487	ng	96
49) Acenaphthylene	14.33	152	1393300	67.841	ng	99
50) Dimethylphthalate	14.07	163	1061620	60.391	ng	98
51) 2,6-Dinitrotoluene	14.19	165	379559	95.686	ng	99
52) Acenaphthene	14.68	154	391759	28.496	ng	98
53) 3-Nitroaniline	15.01	138	52624	13.050	ng	# 3
54) 2,4-Dinitrophenol	14.85	184	139	5.509	ng	# 17
55) Dibenzofuran	15.02	168	2421883	118.630	ng	# 89
56) 4-Nitrophenol	14.91	139	265833	87.076	ng	98
60) Diethylphthalate	15.43	149	2233137	122.050	ng	94
61) 4-Chlorophenyl-phenylether	15.66	204	1122918	116.998	ng	97
63) Azobenzene	15.66	77	449226	26.331	ng	# 51

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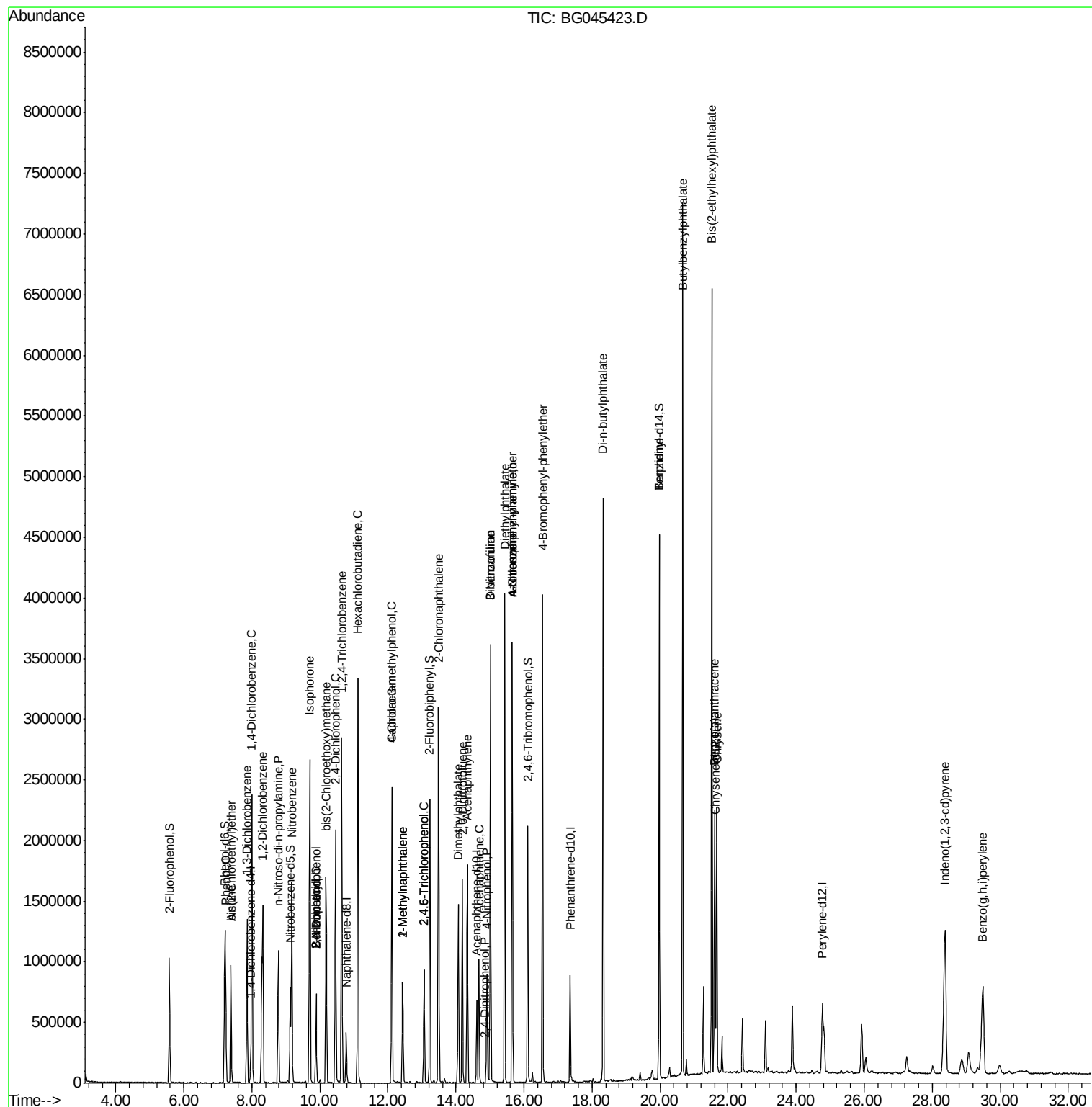
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) n-Nitrosodiphenylamine	15.66	169	116509	8.106	nq	# 77
67) 4-Bromophenyl-phenylether	16.55	248	885848	136.654	nq	98
74) Di-n-butylphthalate	18.33	149	3520852	114.665	nq	# 87
77) Benzidine	19.97	184	39422	2.589	nq	# 89
80) Butylbenzylphthalate	20.67	149	2181339	163.517	nq	# 90
81) Benzo(a)anthracene	21.60	228	1393793	46.148	nq	98
83) Chrysene	21.67	228	1362733	46.924	nq	98
84) Bis(2-ethylhexyl)phthalate	21.52	149	2635766	143.734	nq	# 88
86) Indeno(1,2,3-cd)pyrene	28.38	276	2338322	61.573	nq	# 97
92) Benzo(a,h,i)perylene	29.49	276	1553113	49.929	nq	96

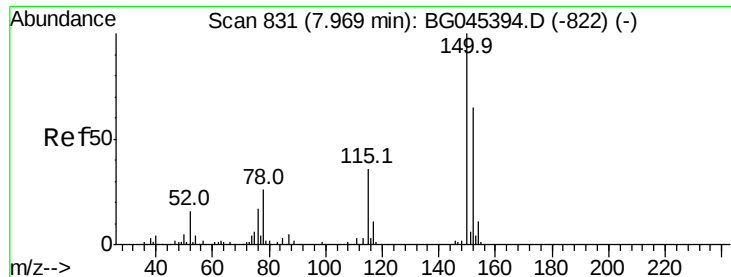
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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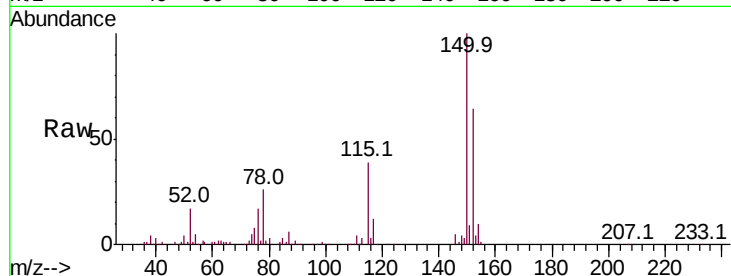


#1

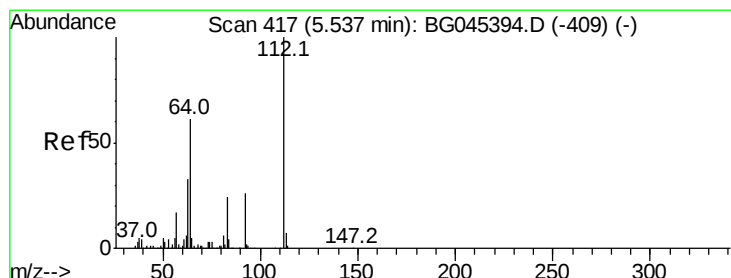
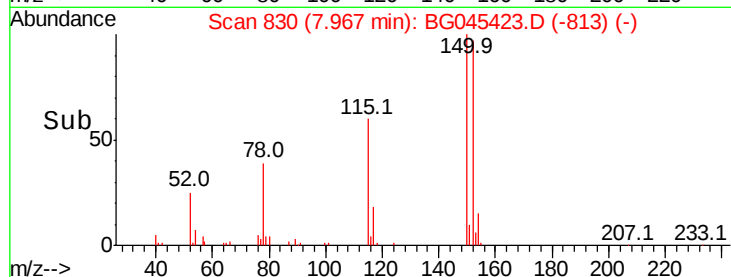
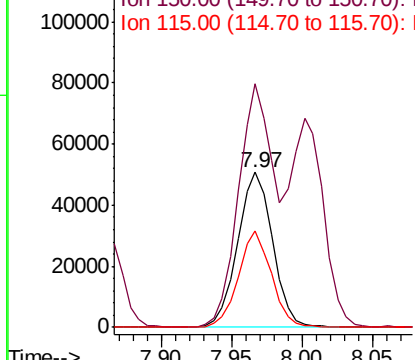
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Tot Ion:152 Resp: 88065
Ion Ratio Lower Upper
152 100
150 157.2 122.4 183.6
115 62.0 44.2 66.4



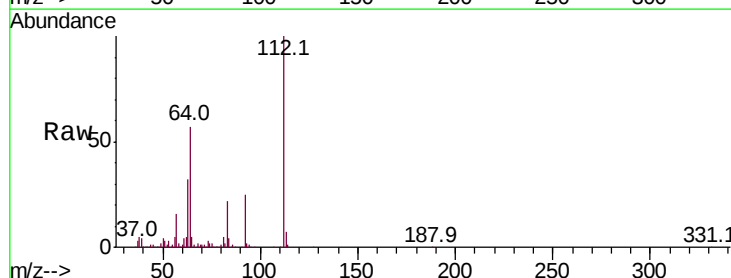
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



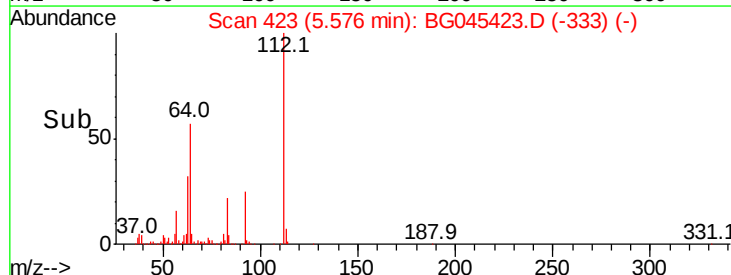
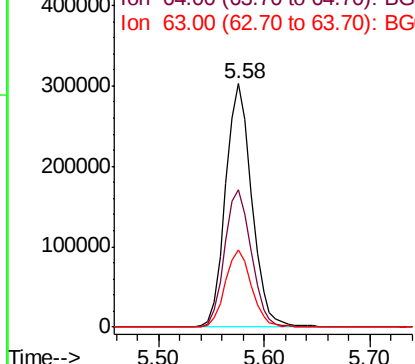
#5

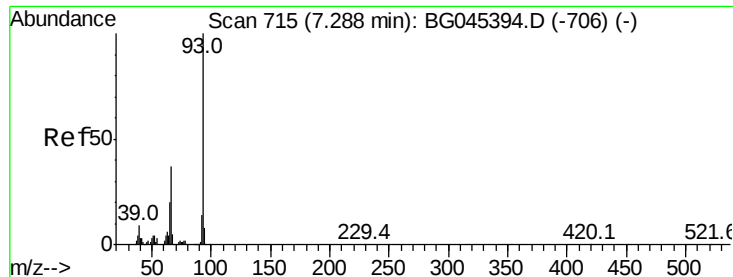
2-Fluorophenol
Concen: 115.385 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion:112 Resp: 519949
Ion Ratio Lower Upper
112 100
64 56.7 48.6 72.8
63 31.6 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: 71.890 ng

RT: 7.38 min Scan# 731

Delta R.T. 0.09 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

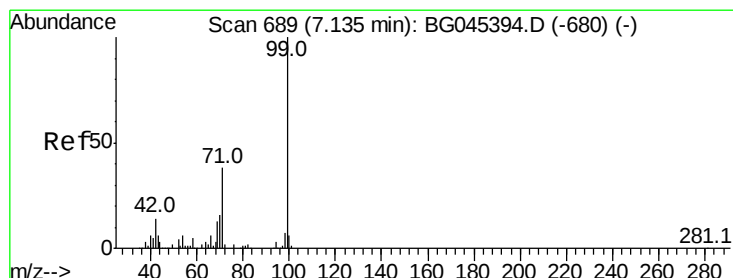
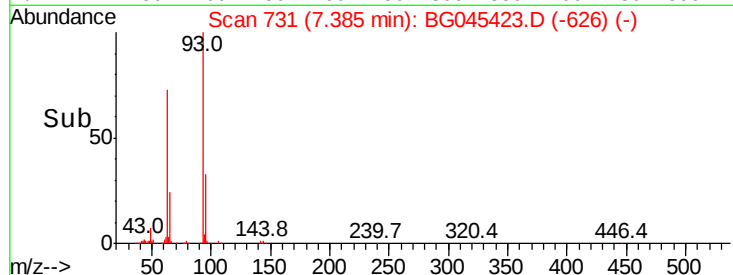
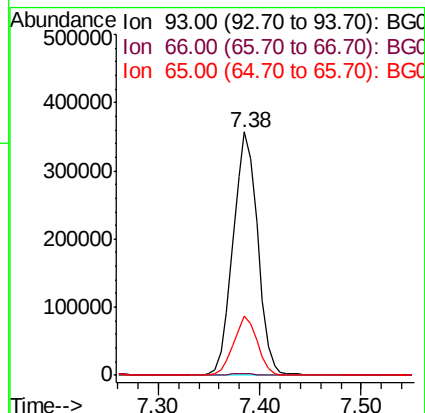
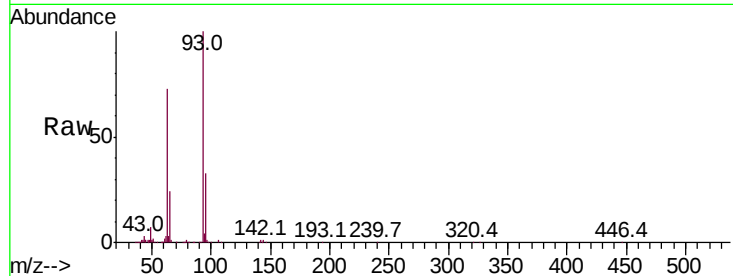
Tot Ion: 93 Resp: 601897

Ion Ratio Lower Upper

93 100

66 0.6 29.6 44.4#

65 24.2 15.9 23.9#



#7

Phenol-d6

Concen: 128.294 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

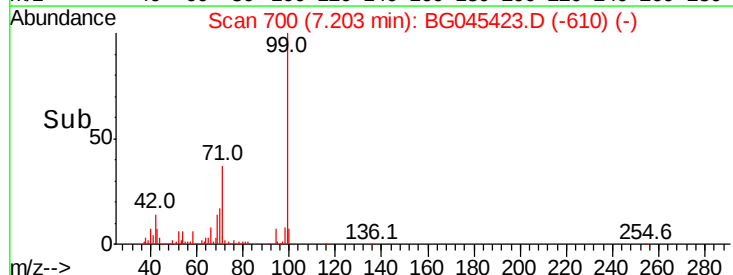
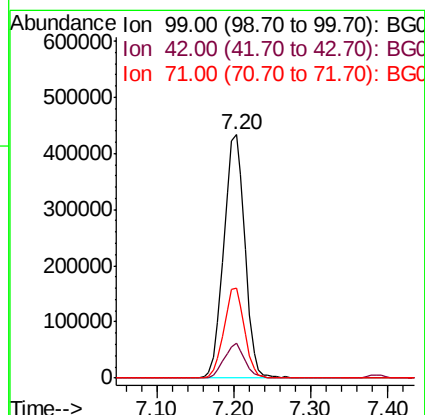
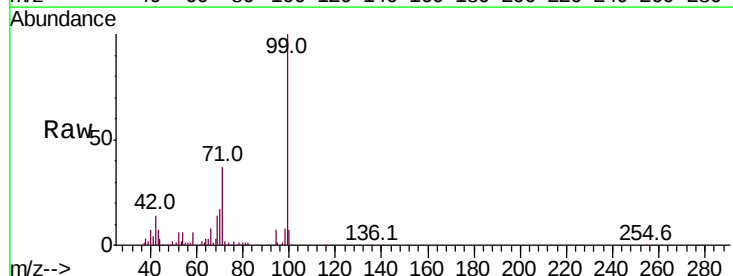
Tgt Ion: 99 Resp: 822840

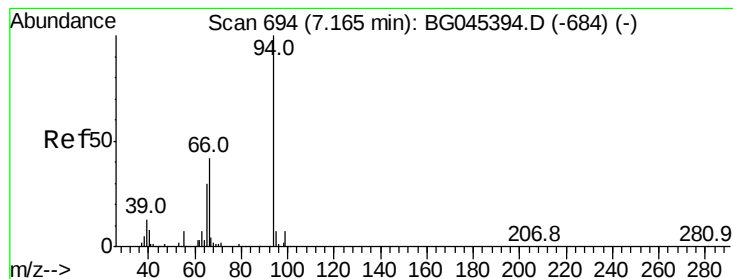
Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 36.8 30.8 46.2





#10

Phenol

Concen: 91.703 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

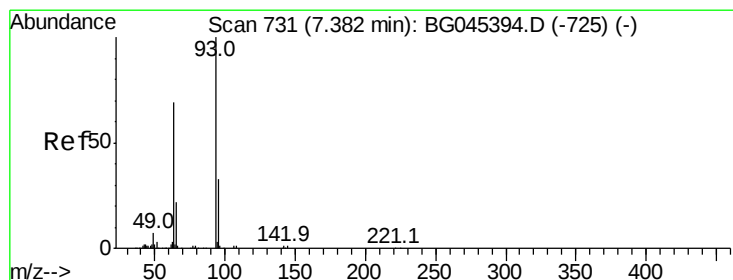
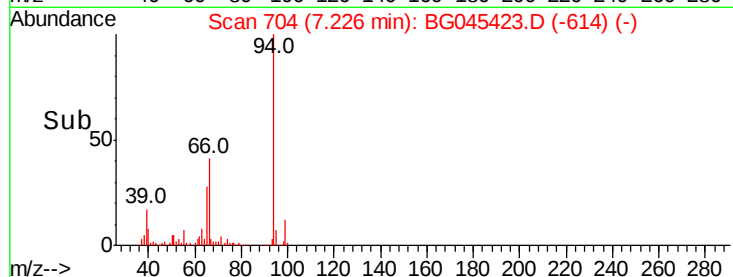
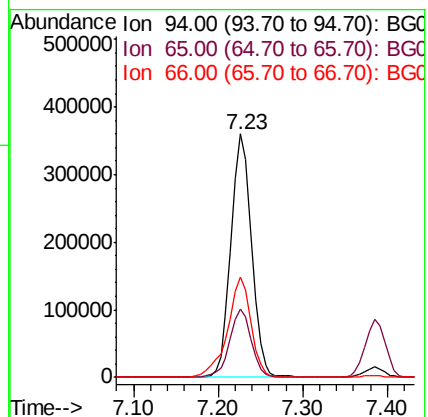
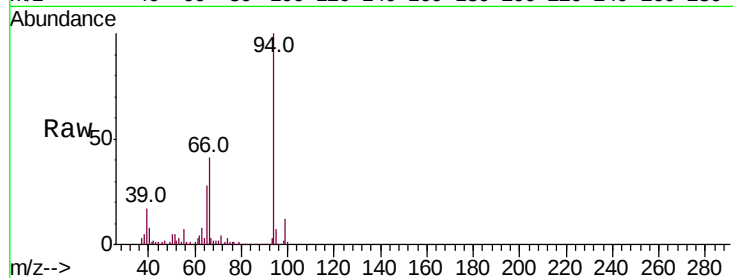
Tot Ion: 94 Resp: 606172

Ion Ratio Lower Upper

94 100

65 28.2 9.8 49.8

66 41.0 22.0 62.0



#11

bis(2-Chloroethyl)ether

Concen: 116.738 ng

RT: 7.38 min Scan# 731

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

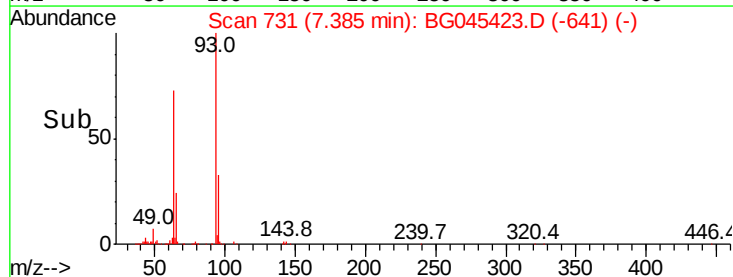
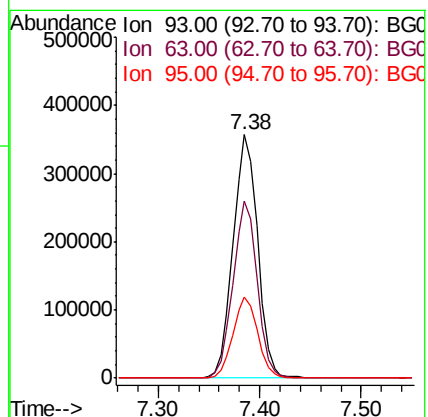
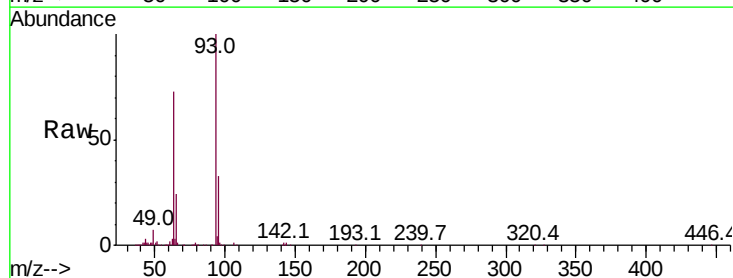
Tgt Ion: 93 Resp: 601897

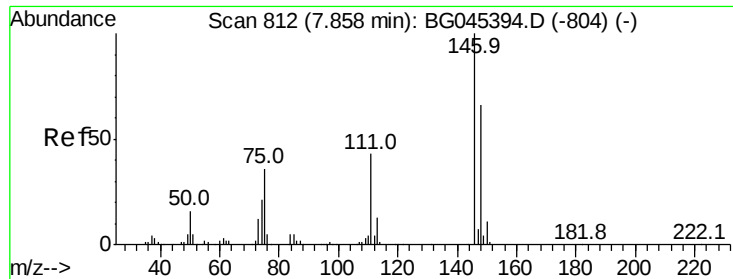
Ion Ratio Lower Upper

93 100

63 72.7 48.4 88.4

95 33.5 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 98.849 ng

RT: 7.85 min Scan# 811

Delta R.T. -0.01 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

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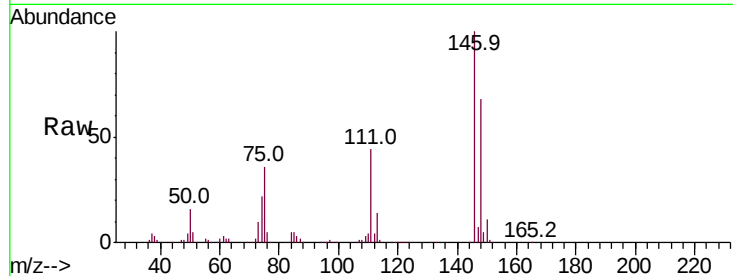
Tot Ion:146 Resp: 587012

Ion Ratio Lower Upper

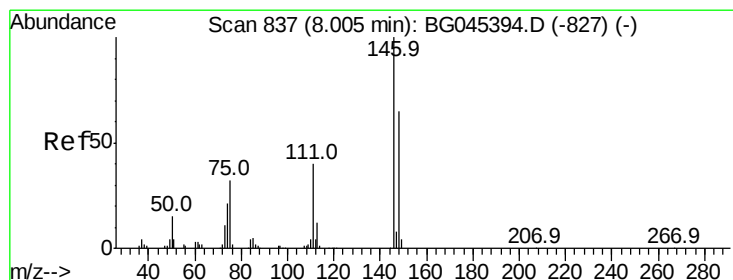
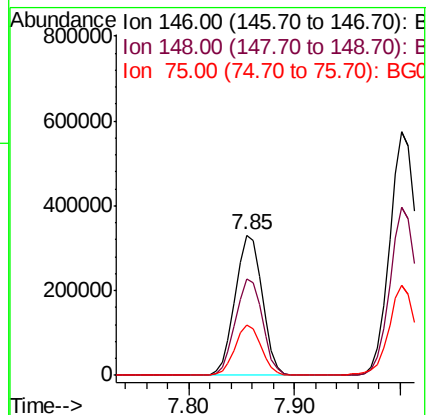
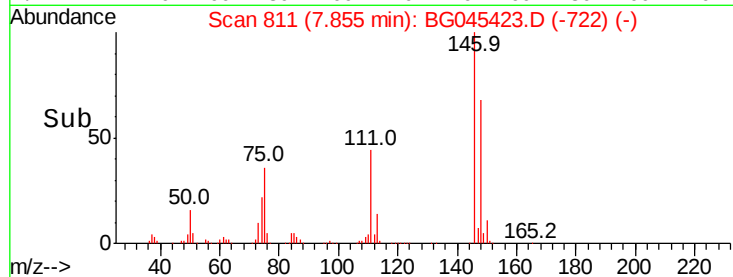
146 100

148 68.3 53.2 79.8

75 35.6 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: 174.061 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

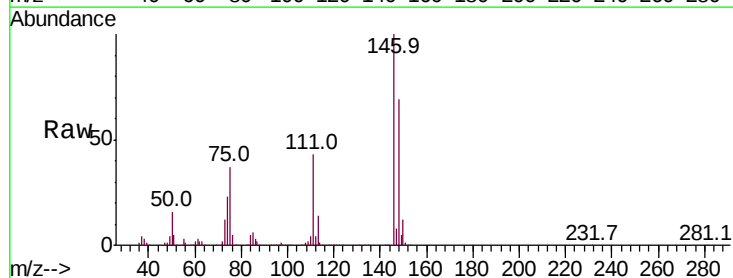
Tgt Ion:146 Resp: 1020072

Ion Ratio Lower Upper

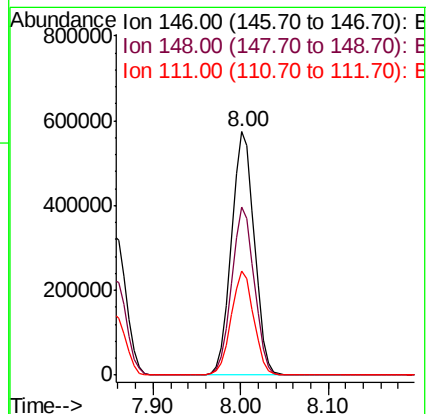
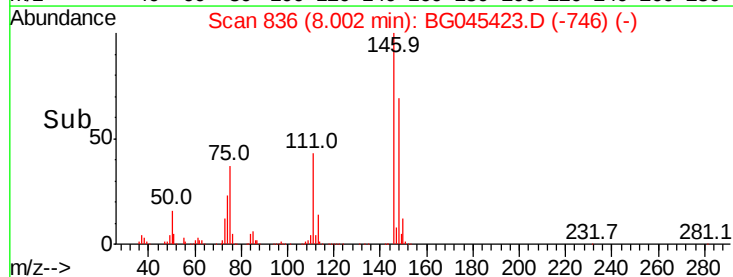
146 100

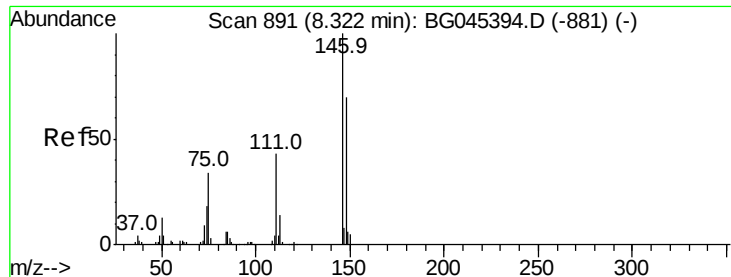
148 68.9 51.8 77.8

111 43.0 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: 112.745 ng

RT: 8.32 min Scan# 891

Delta R.T. -0.00 min

Lab File: BG045423.D

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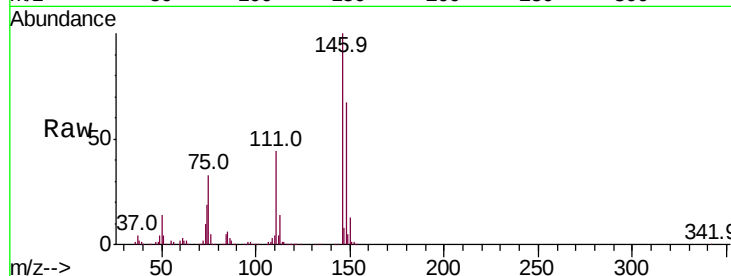
Tot Ion:146 Resp: 635497

Ion Ratio Lower Upper

146 100

148 67.0 55.9 83.9

111 43.9 35.0 52.4

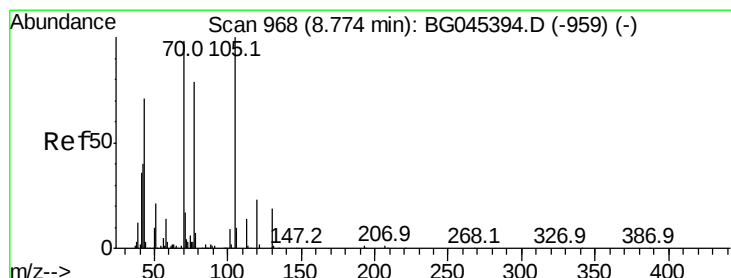
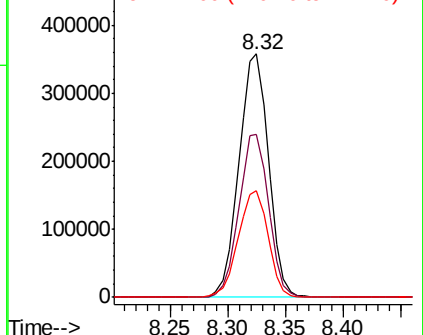
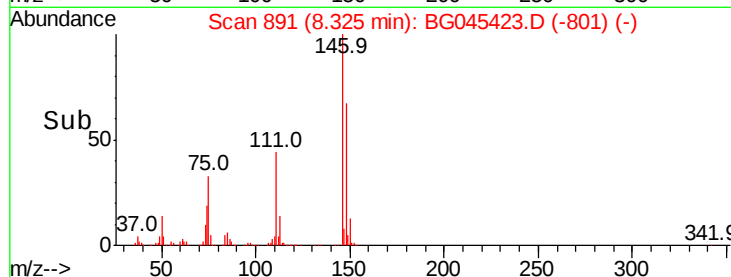


Abundance

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: 113.306 ng

RT: 8.78 min Scan# 968

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Tgt Ion: 70 Resp: 502530

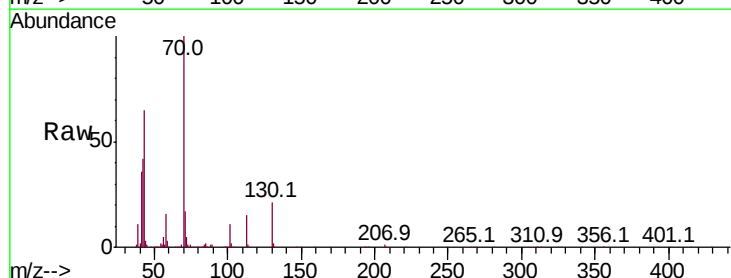
Ion Ratio Lower Upper

70 100

42 41.8 33.2 49.8

101 10.9 7.8 11.6

130 20.6 15.4 23.2



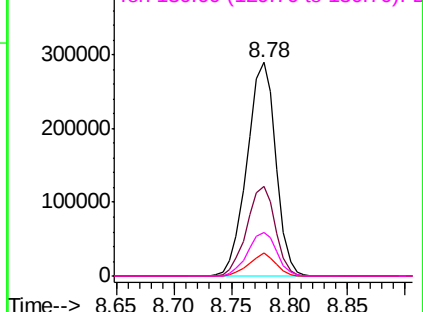
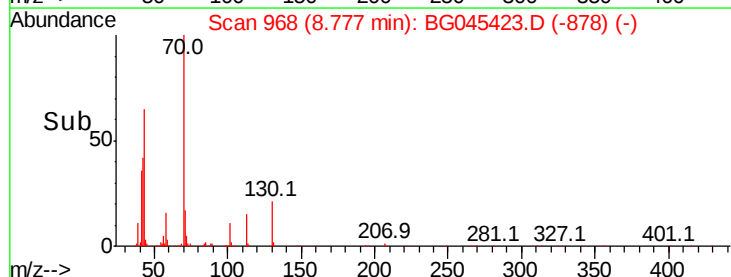
Abundance

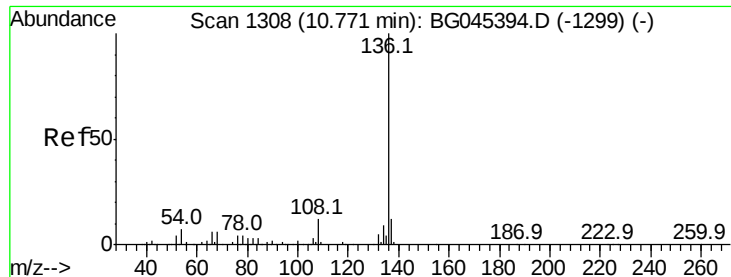
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

Tot Ion:136 Resp: 346404

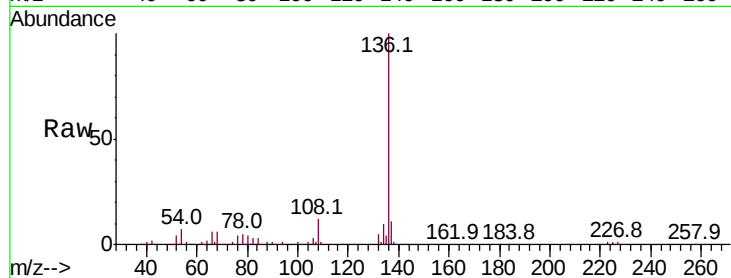
Ion Ratio Lower Upper

136 100

137 10.8 9.4 14.2

54 6.6 5.8 8.6

68 6.2 4.5 6.7

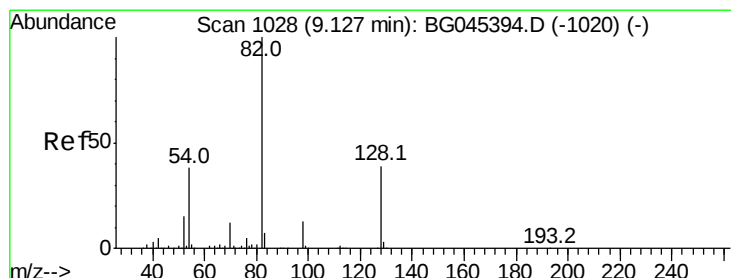
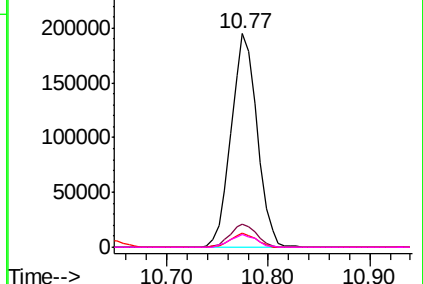
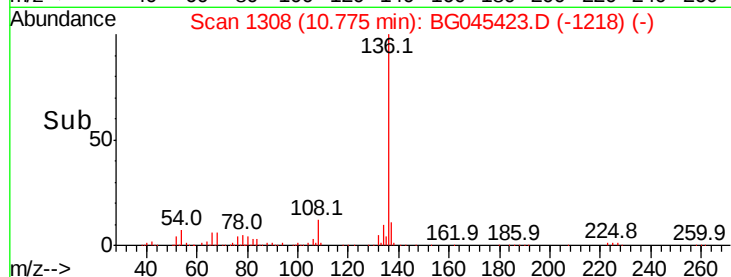


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 88.308 ng

RT: 9.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

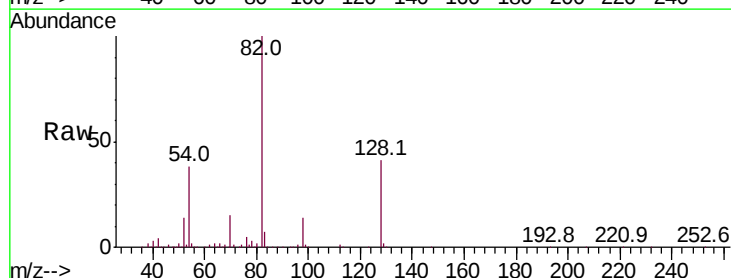
Tgt Ion: 82 Resp: 560965

Ion Ratio Lower Upper

82 100

128 41.3 30.9 46.3

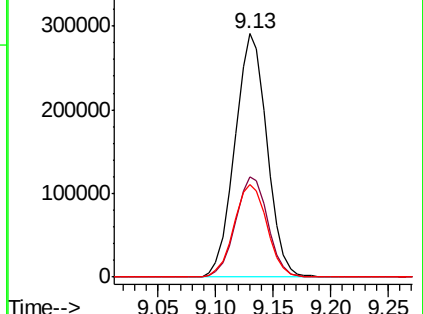
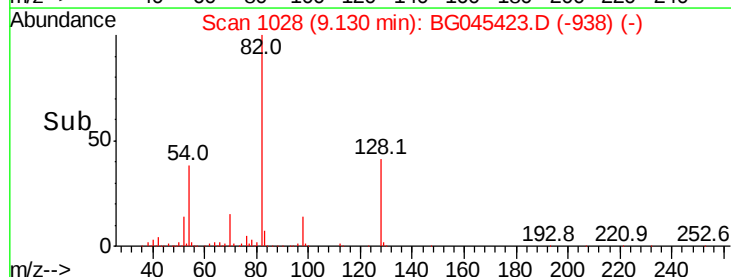
54 37.8 30.3 45.5

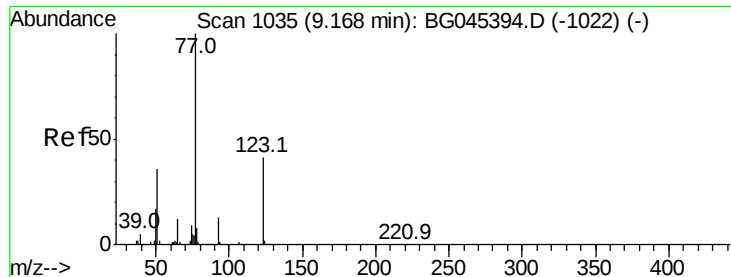


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

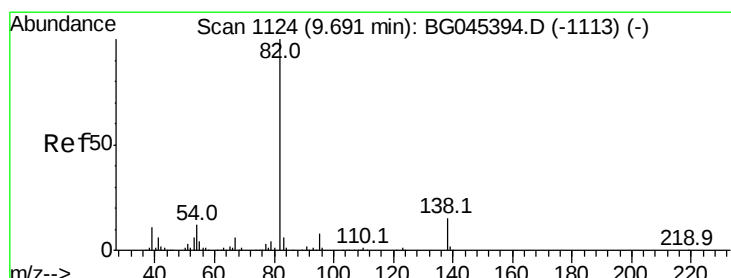
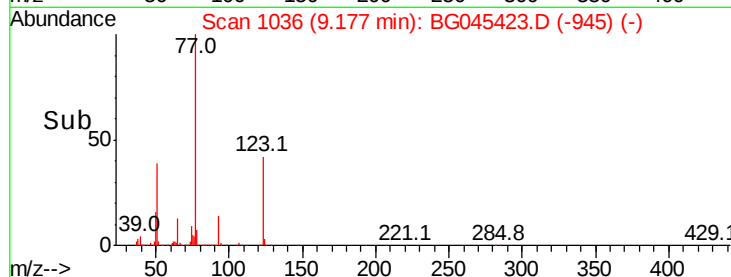
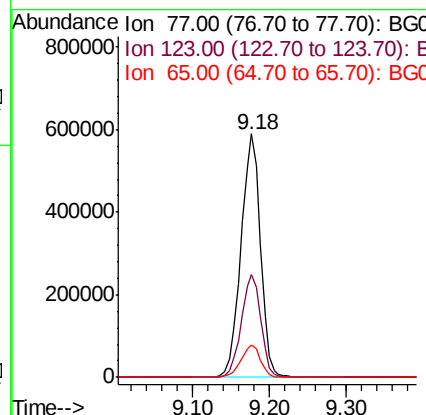
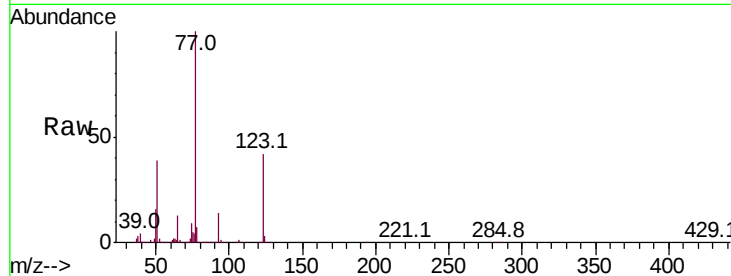




#24
 Nitrobenzene
 Concen: 153.477 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. 0.01 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

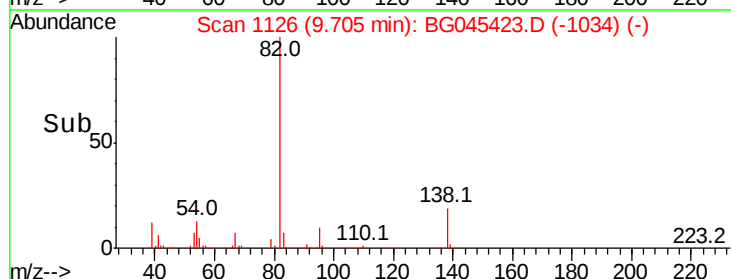
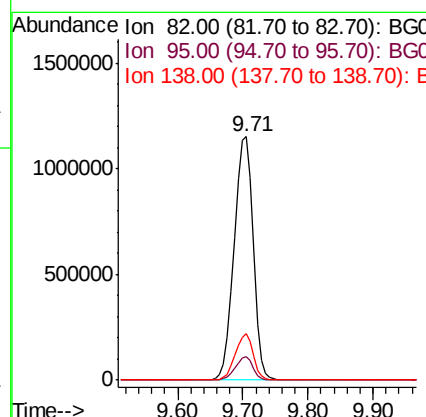
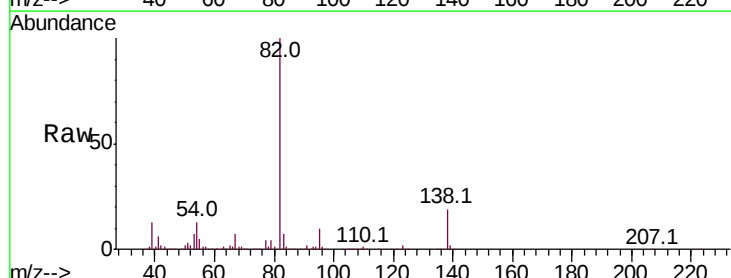
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

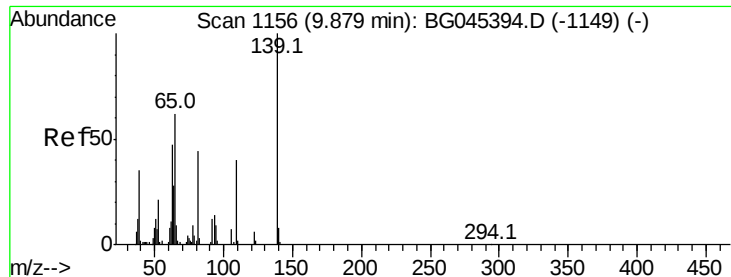
Tot Ion: 77 Resp: 1044544
 Ion Ratio Lower Upper
 77 100
 123 42.4 32.9 49.3
 65 13.1 9.4 14.2



#25
 Isophorone
 Concen: 186.797 ng
 RT: 9.71 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Tgt Ion: 82 Resp: 2336866
 Ion Ratio Lower Upper
 82 100
 95 9.6 6.7 10.1
 138 19.0 12.2 18.4#

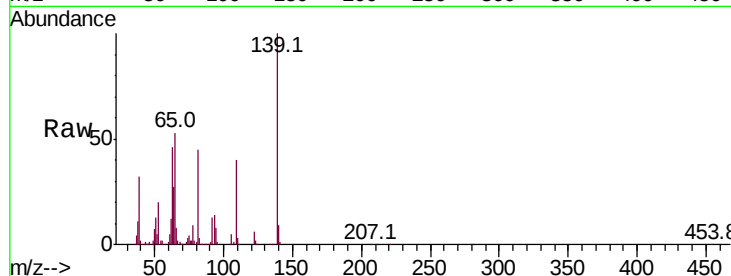




#26
2-Nitrophenol
Concen: 86.113 ng
RT: 9.89 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
139	100		
109	39.8	32.2	48.4
65	53.1	49.6	74.4

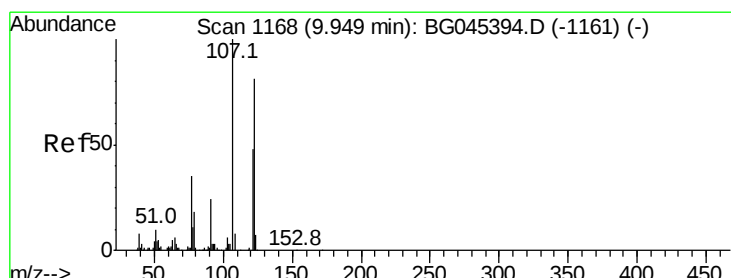
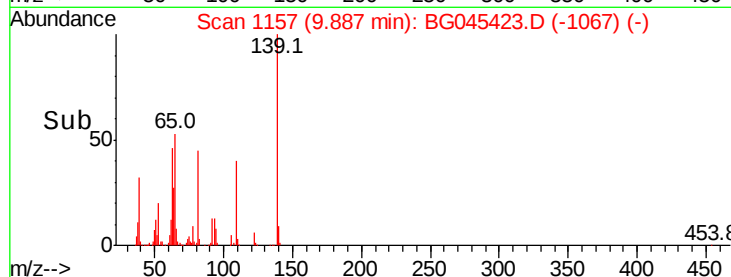
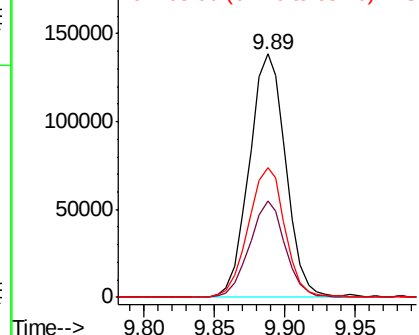


Abundance

Ion 139.00 (138.70 to 139.70): E

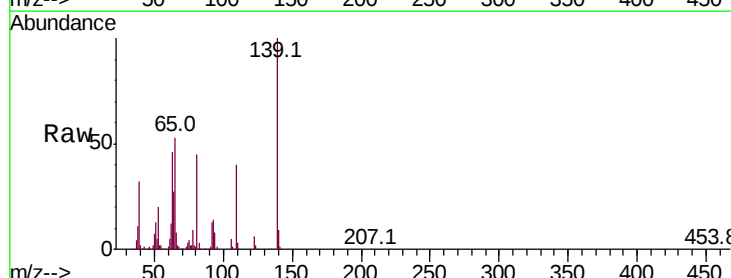
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#27
2,4-Dimethylphenol
Concen: 3.950 ng
RT: 9.89 min Scan# 1157
Delta R.T. -0.09 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion	Ratio	Lower	Upper
122	100		
107	8.4	99.0	148.4#
121	0.0	47.7	71.5#

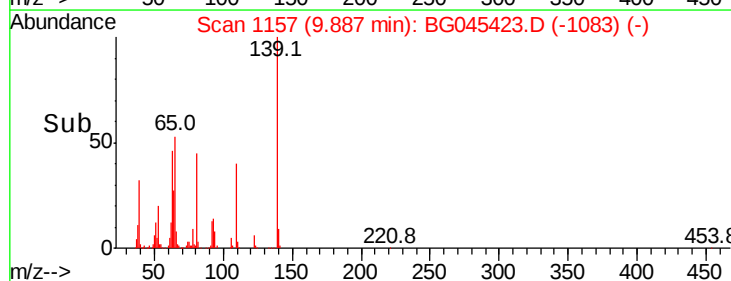
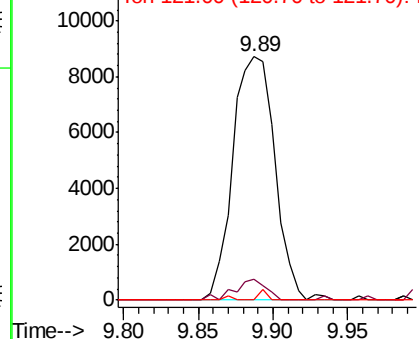


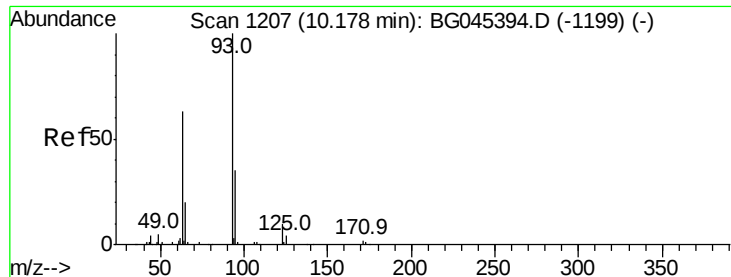
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



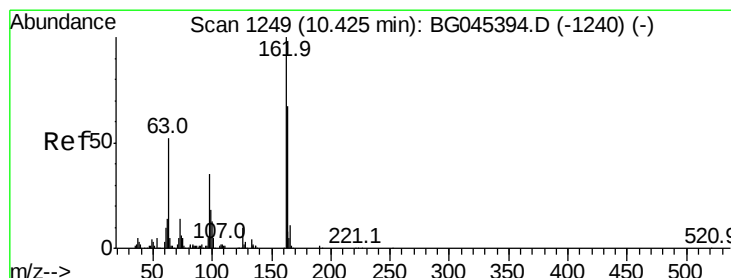
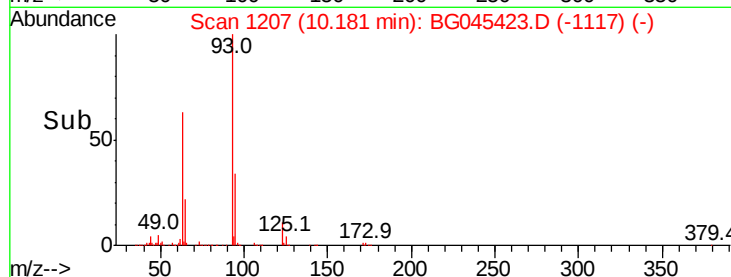
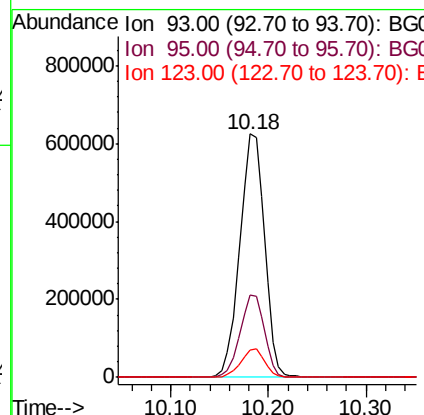
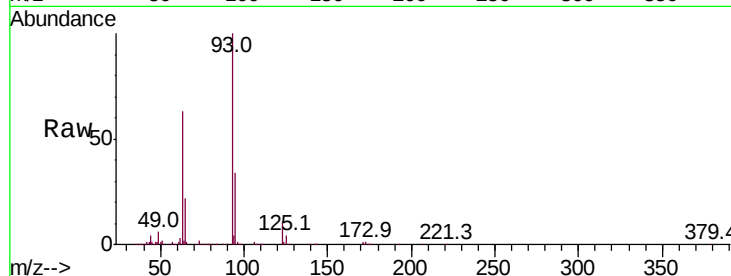


#28
 bis(2-Chloroethoxy)methane
 Concen: 168.352 ng
 RT: 10.18 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion: 93 Resp: 1104522

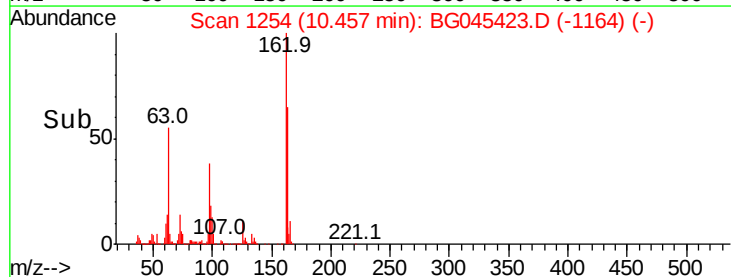
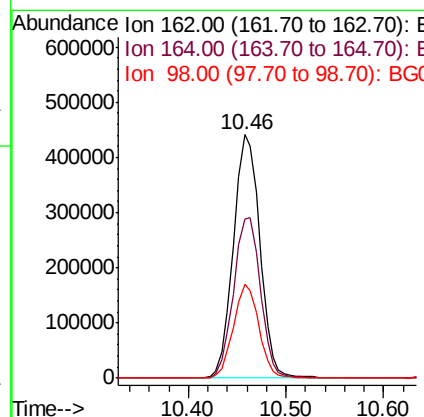
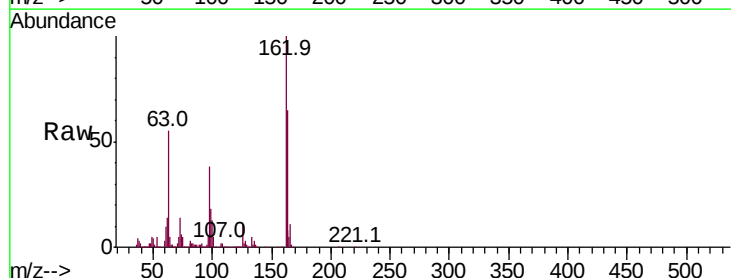
Ion	Ratio	Lower	Upper
93	100		
95	34.1	27.6	41.4
123	11.2	8.1	12.1

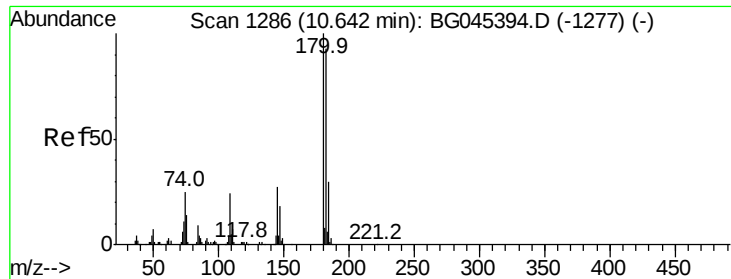


#29
 2,4-Dichlorophenol
 Concen: 163.651 ng
 RT: 10.46 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Tgt Ion: 162 Resp: 834491

Ion	Ratio	Lower	Upper
162	100		
164	65.1	46.8	86.8
98	38.4	15.2	55.2

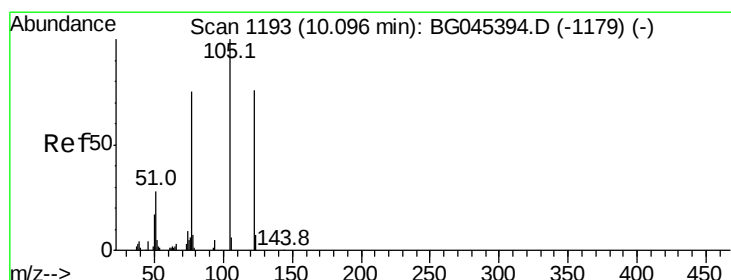
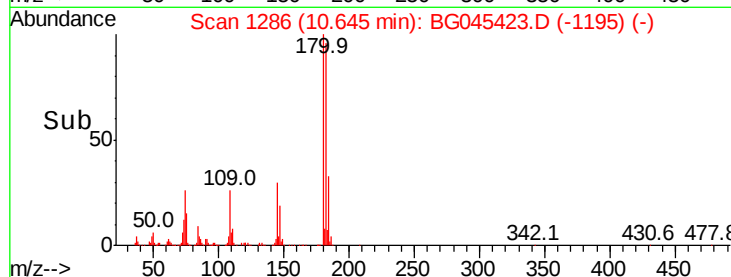
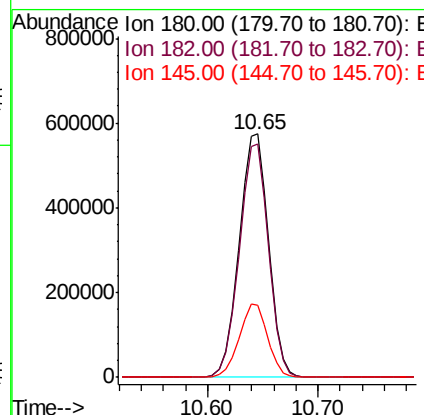
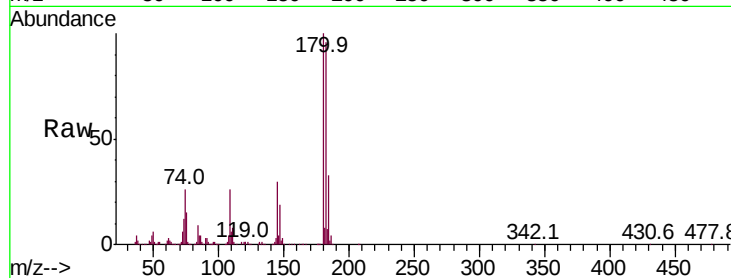




#30
 1,2,4-Trichlorobenzene
 Concen: 177.800 ng
 RT: 10.65 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

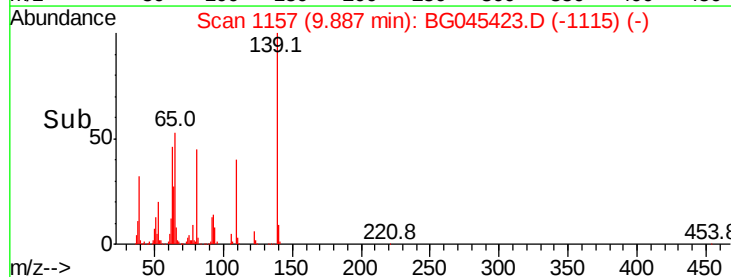
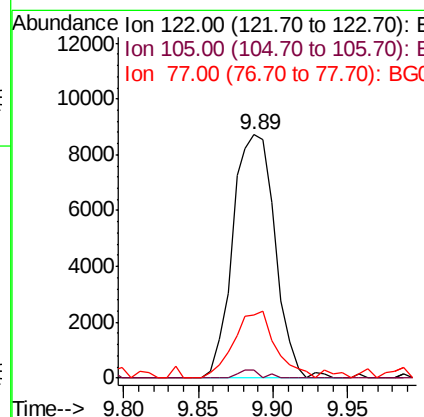
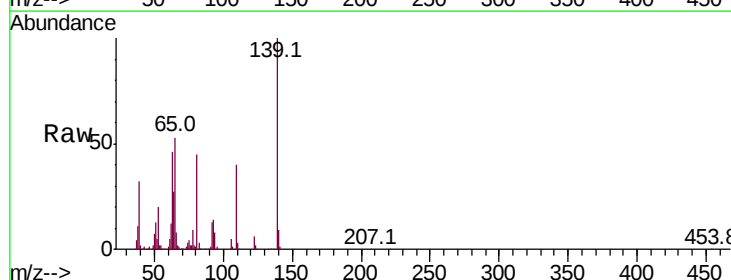
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

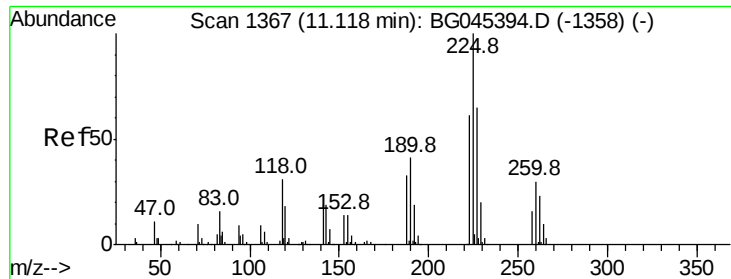
Tot Ion:180 Resp: 1071322
 Ion Ratio Lower Upper
 180 100
 182 95.7 74.8 112.2
 145 29.6 21.9 32.9



#32
 Benzoic acid
 Concen: 14.617 ng
 RT: 9.89 min Scan# 1157
 Delta R.T. -0.28 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Tgt Ion:122 Resp: 17056
 Ion Ratio Lower Upper
 122 100
 105 3.3 107.9 147.9#
 77 25.9 78.9 118.9#

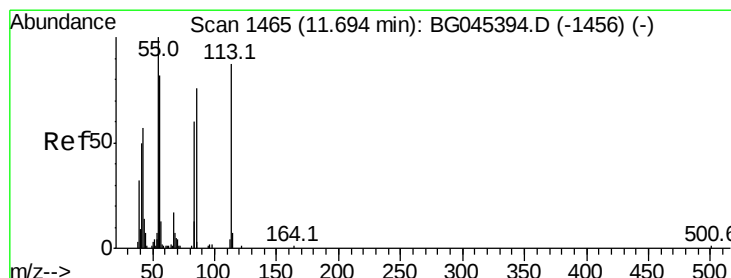
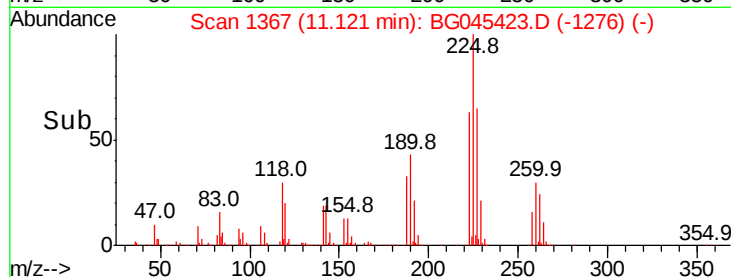
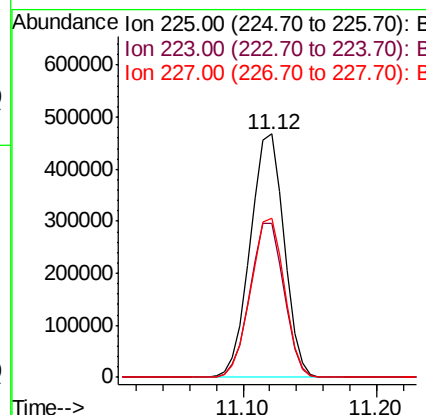
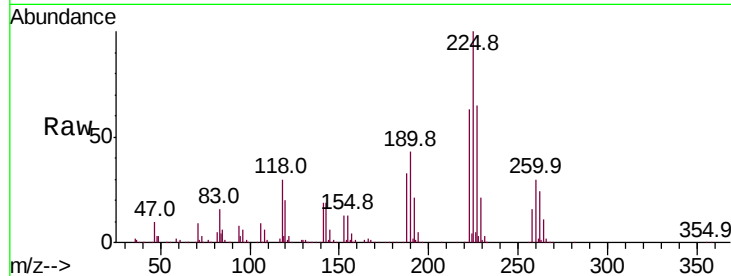




#34
Hexachlorobutadiene
Concen: 191.455 ng
RT: 11.12 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

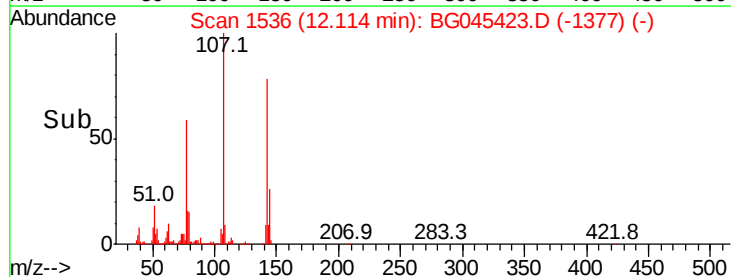
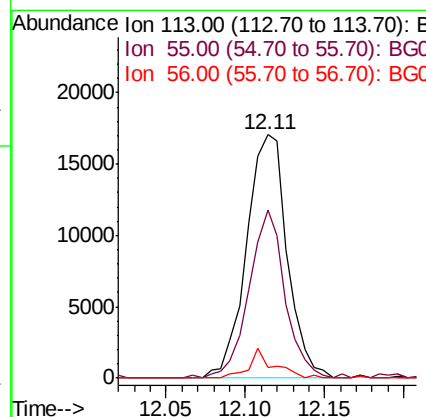
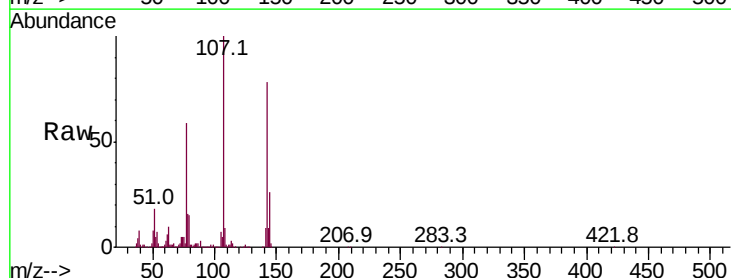
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

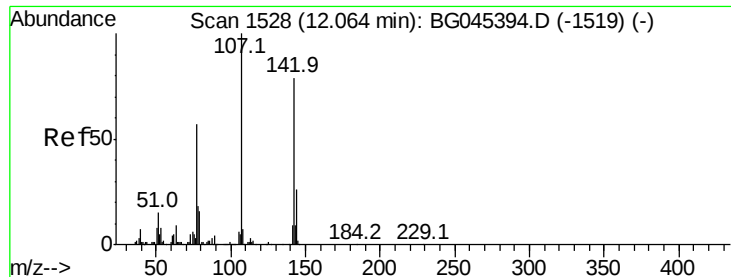
Tot Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.1	73.7
227	65.5	52.0	78.0



#35
Caprolactam
Concen: 16.263 ng
RT: 12.11 min Scan# 1536
Delta R.T. 0.41 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion	Ratio	Lower	Upper
113	100		
55	68.9	96.0	136.0#
56	4.5	75.1	115.1#

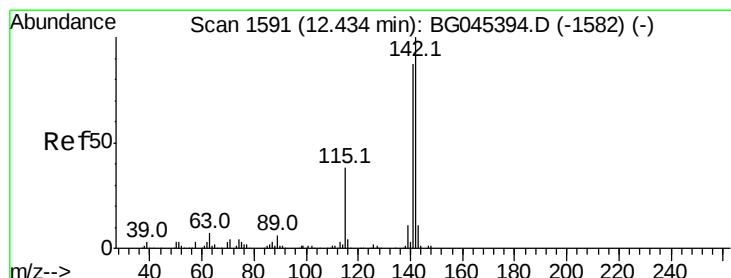
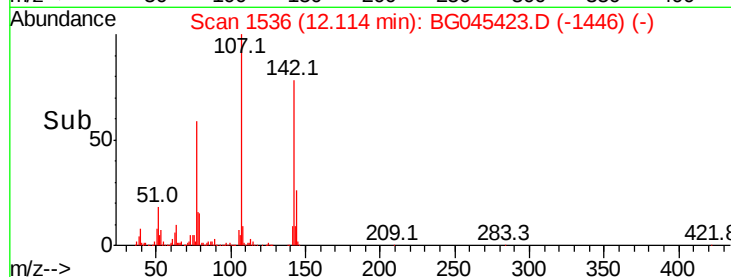
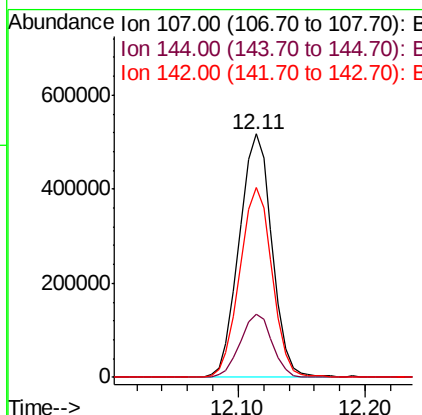
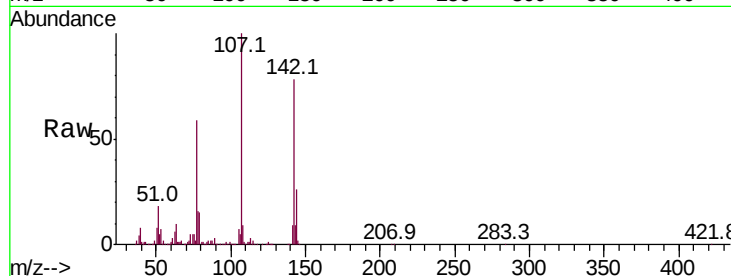




#36
 4-Chloro-3-methylphenol
 Concen: 161.548 ng
 RT: 12.11 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

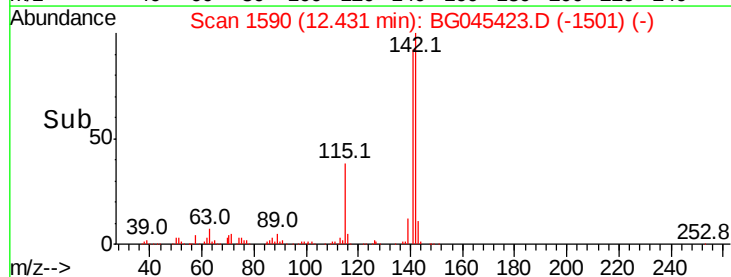
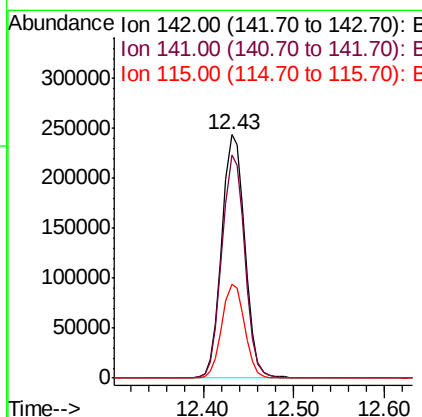
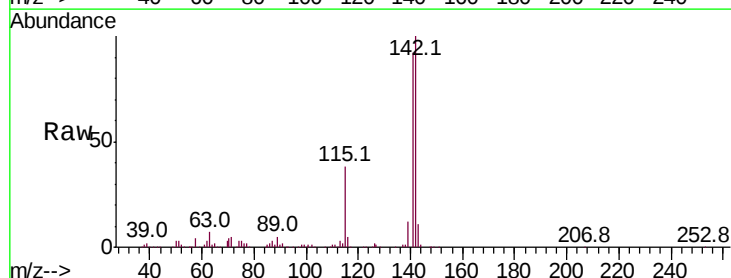
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

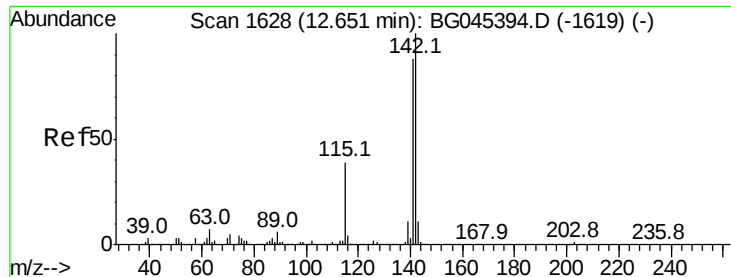
Tot Ion:107 Resp: 928247
 Ion Ratio Lower Upper
 107 100
 144 25.9 20.8 31.2
 142 78.2 62.8 94.2



#37
 2-Methylnaphthalene
 Concen: 35.829 ng
 RT: 12.43 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Tgt Ion:142 Resp: 431075
 Ion Ratio Lower Upper
 142 100
 141 91.9 70.0 105.0
 115 38.4 30.8 46.2

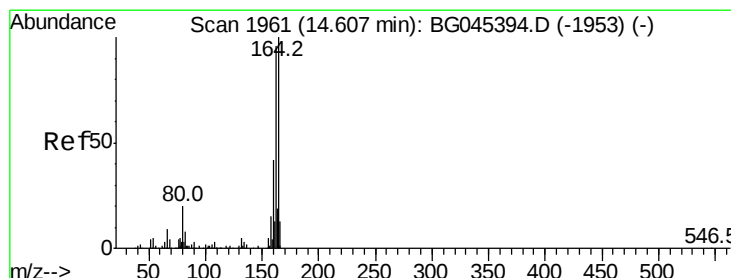
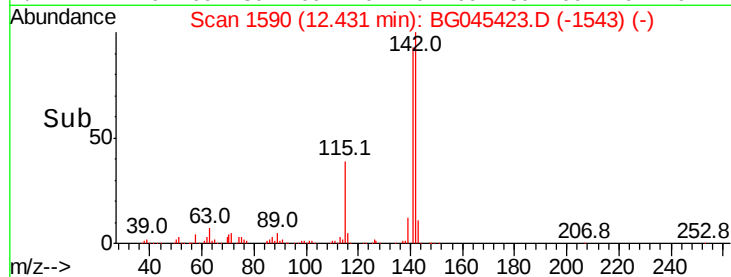
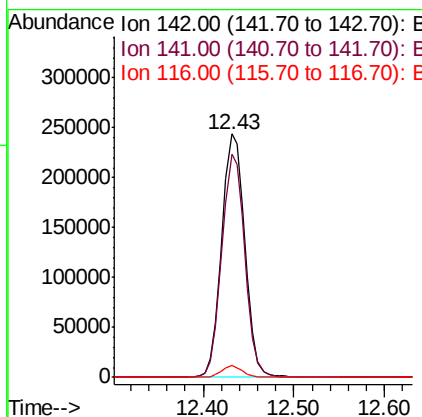
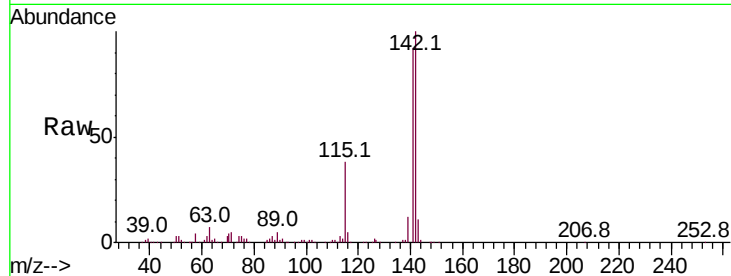




#38
 1-Methylnaphthalene
 Concen: 37.929 ng
 RT: 12.43 min Scan# 1590
 Delta R.T. -0.22 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

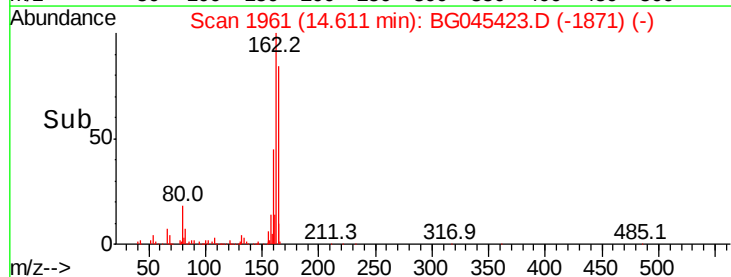
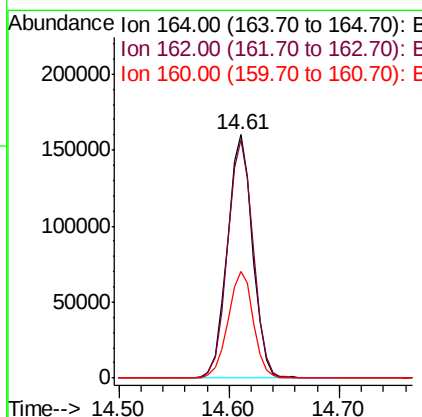
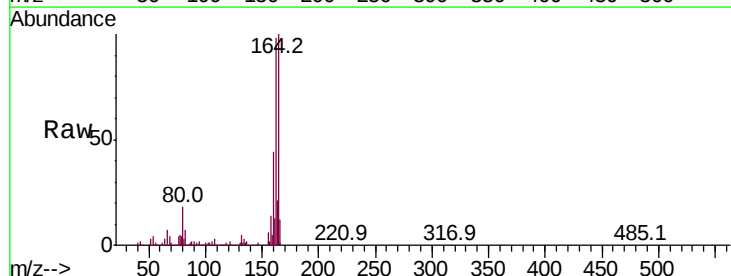
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

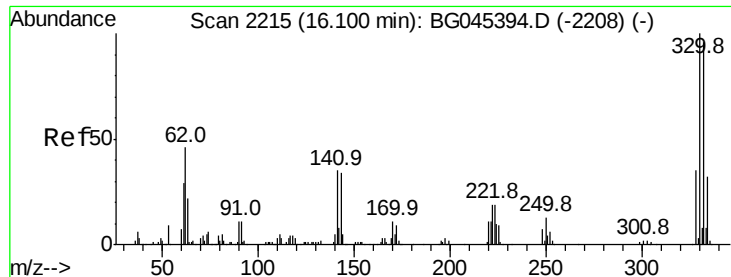
Tot Ion:142 Resp: 431075
 Ion Ratio Lower Upper
 142 100
 141 91.9 70.8 106.2
 116 4.9 3.0 4.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Tgt Ion:164 Resp: 256257
 Ion Ratio Lower Upper
 164 100
 162 97.9 76.9 115.3
 160 43.7 33.8 50.8





#42

2,4,6-Tribromophenol

Concen: 129.099 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampled :

PT-BNA-SOIL

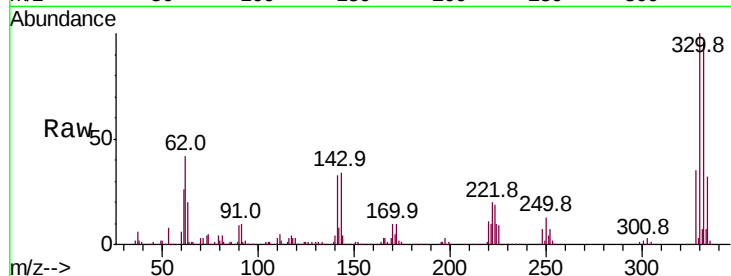
Tot Ion:330 Resp: 423088

Ion Ratio Lower Upper

330 100

332 97.9 78.2 117.4

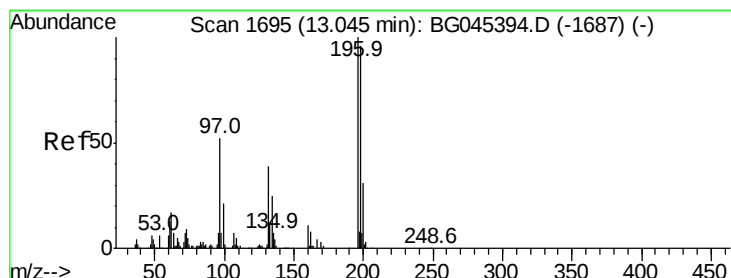
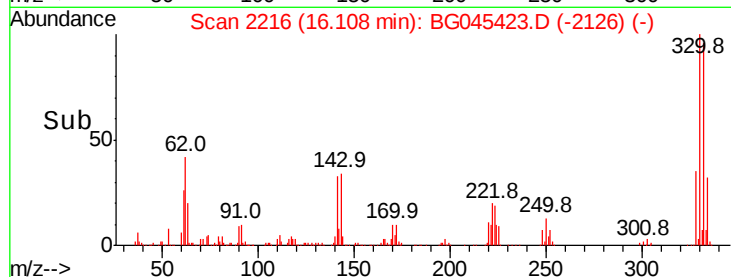
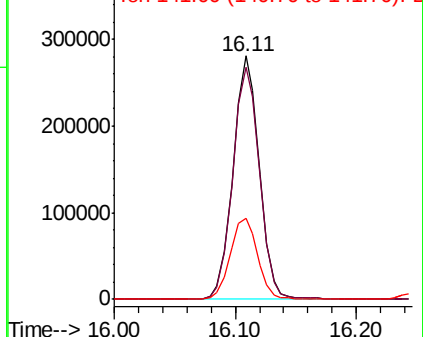
141 35.3 28.2 42.4



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: 51.715 ng

RT: 13.06 min Scan# 1697

Delta R.T. -0.01 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

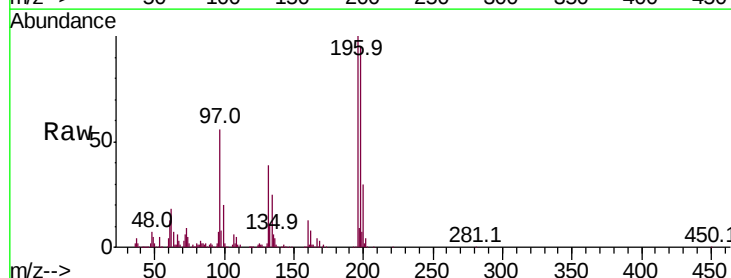
Tgt Ion:196 Resp: 257135

Ion Ratio Lower Upper

196 100

198 94.7 76.7 115.1

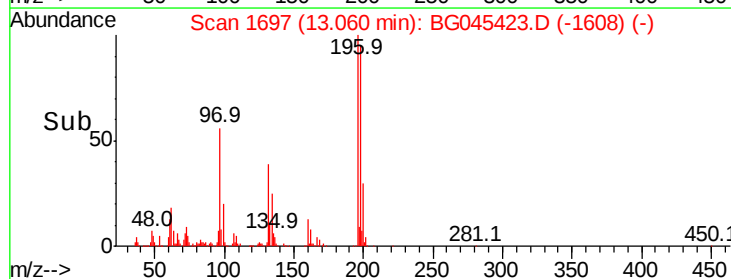
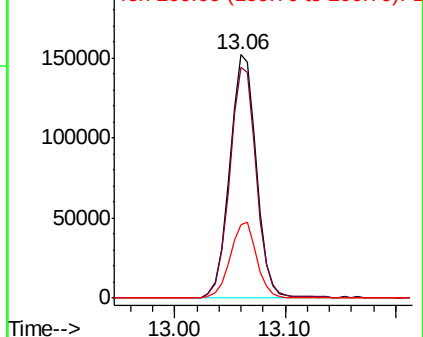
200 30.2 24.9 37.3

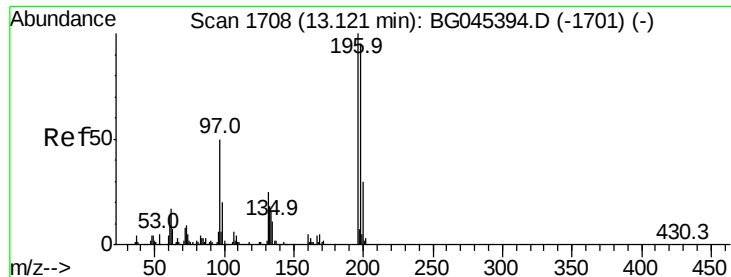


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

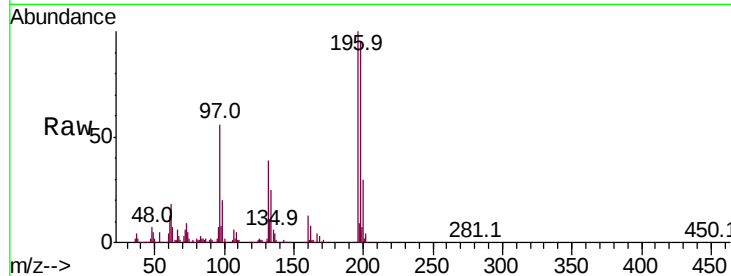




#44
 2,4,5-Trichlorophenol
 Concen: 45.255 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.10 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.1	114.1
97	56.0	40.0	60.0
132	38.9	20.2	30.2



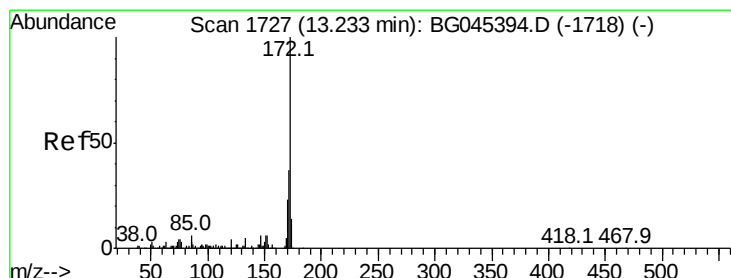
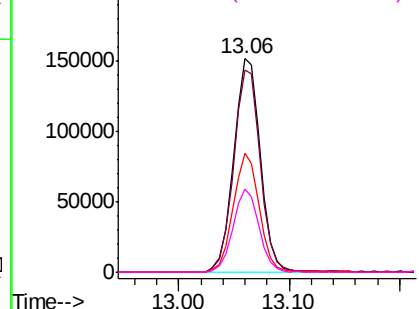
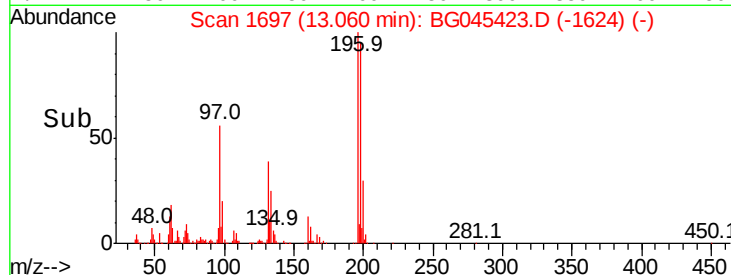
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

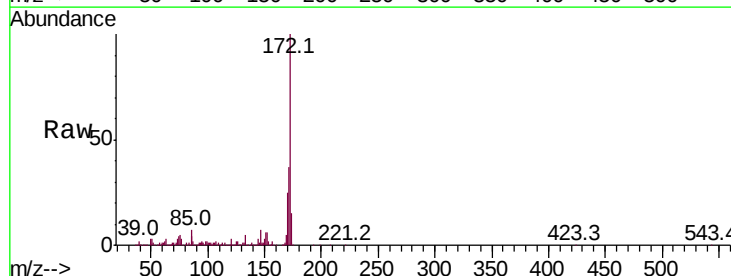
Ion 97.00 (96.70 to 97.70): BG

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.775 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. -0.01 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.5	44.3
170	24.8	18.5	27.7

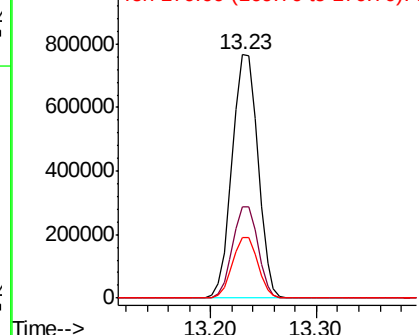
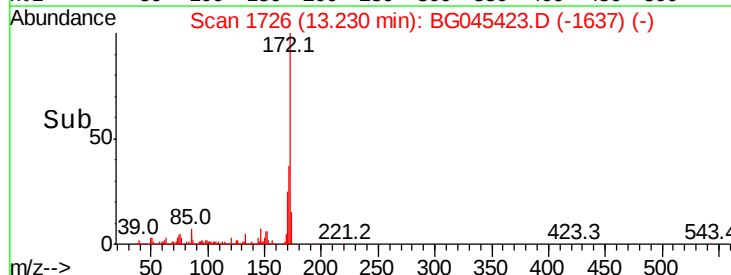


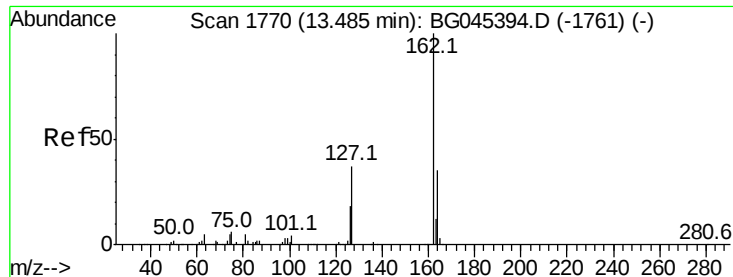
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

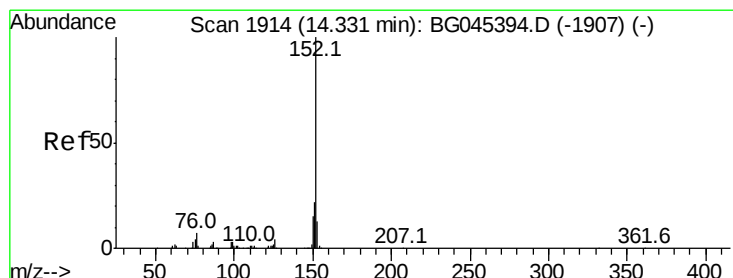
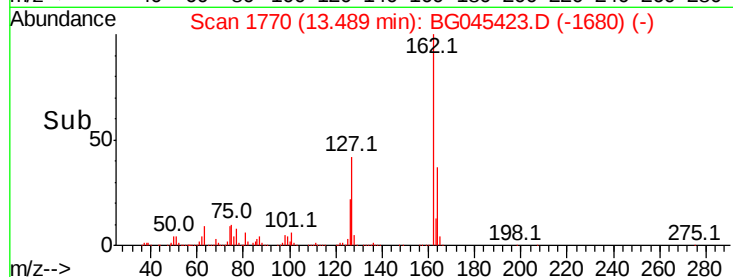
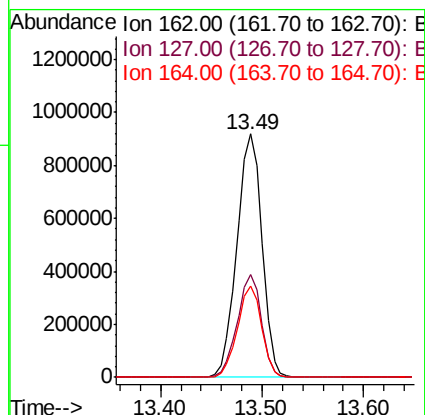
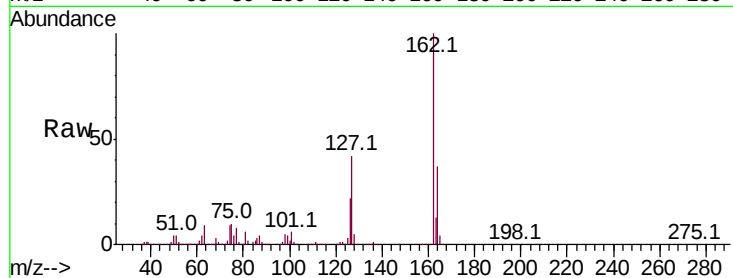




#47
2-Chloronaphthalene
Concen: 123.487 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

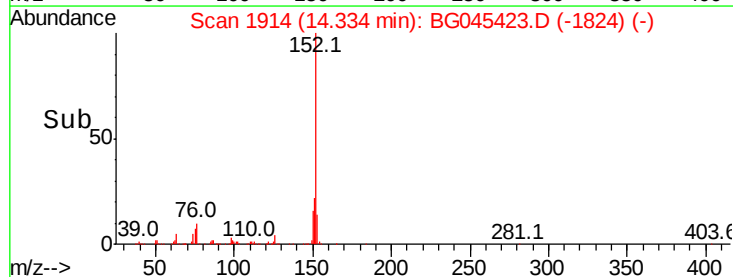
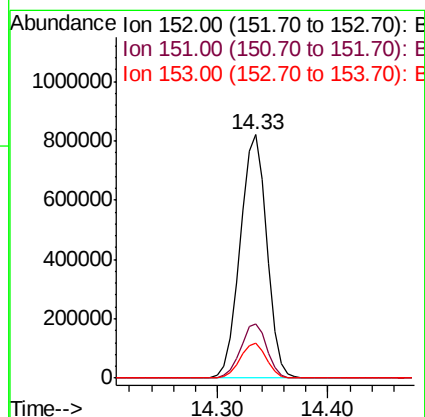
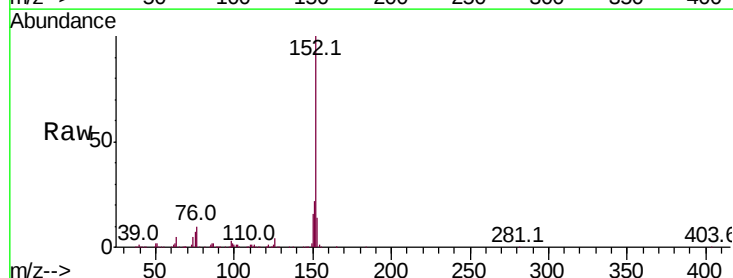
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

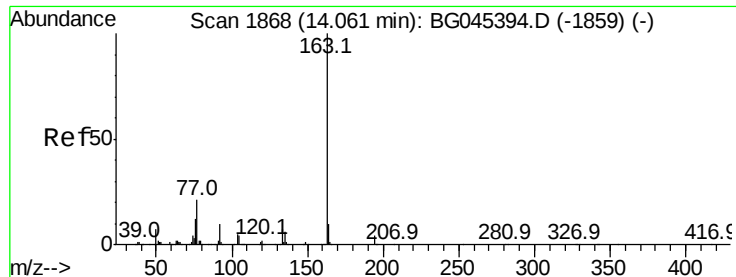
Tot Ion:162 Resp: 1578935
Ion Ratio Lower Upper
162 100
127 42.4 31.6 47.4
164 37.3 28.1 42.1



#49
Acenaphthylene
Concen: 67.841 ng
RT: 14.33 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion:152 Resp: 1393300
Ion Ratio Lower Upper
152 100
151 22.1 17.4 26.2
153 14.4 10.7 16.1





#50

Dimethylphthalate

Concen: 60.391 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

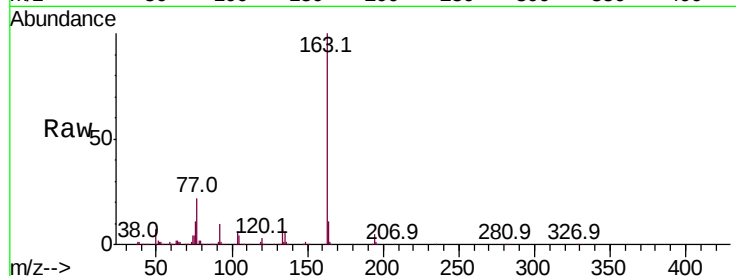
Tot Ion:163 Resp: 1061620

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

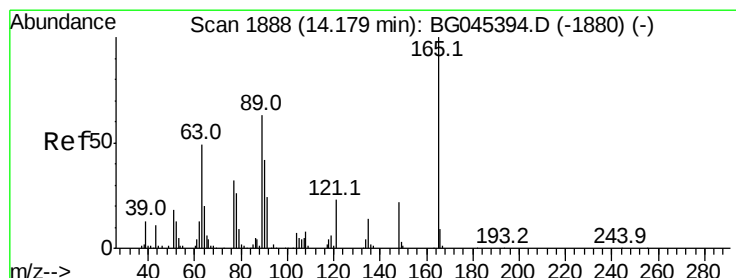
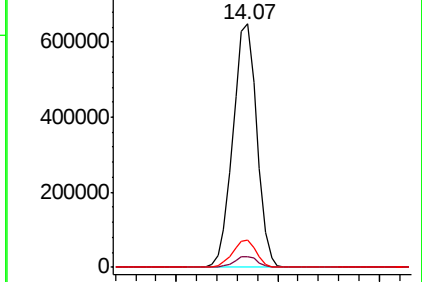
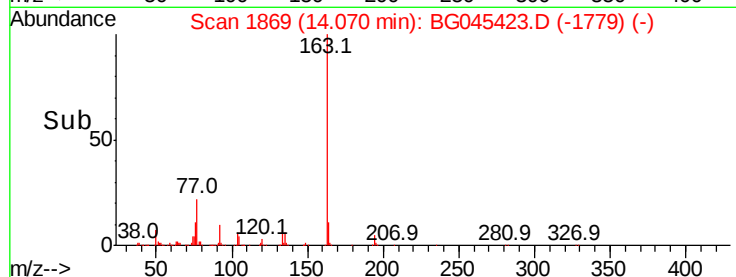
164 11.2 8.3 12.5



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: 95.686 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

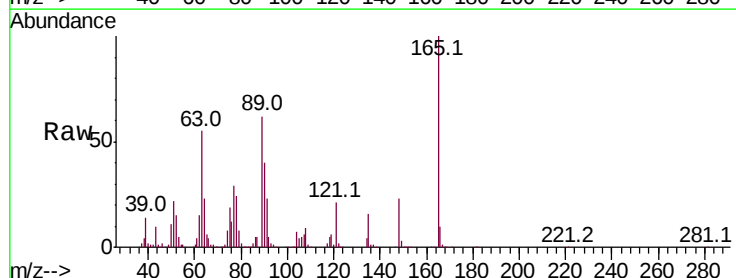
Tgt Ion:165 Resp: 379559

Ion Ratio Lower Upper

165 100

63 55.2 45.0 67.4

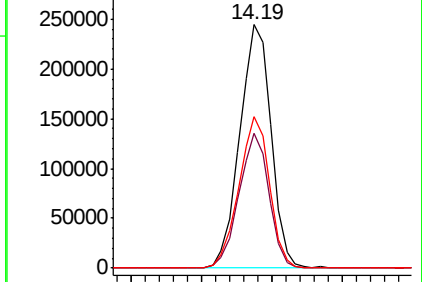
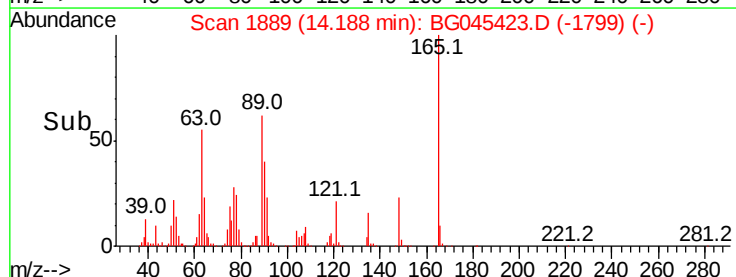
89 62.4 50.2 75.4

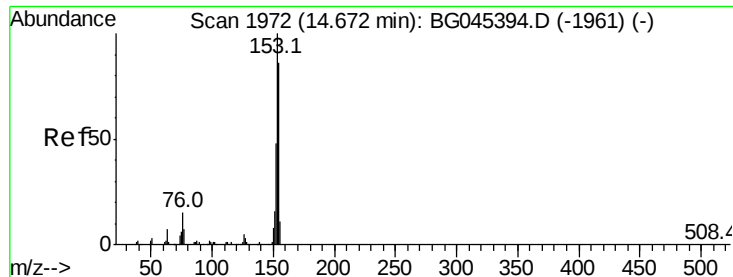


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 28.496 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

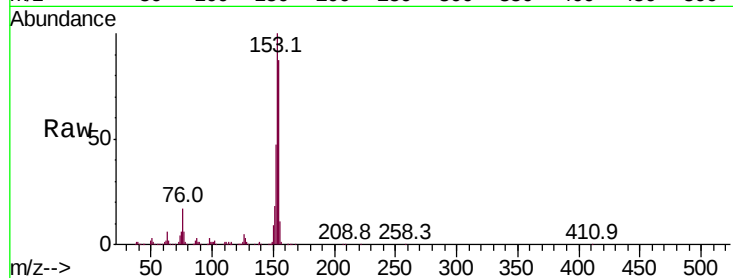
Tot Ion:154 Resp: 391759

Ion Ratio Lower Upper

154 100

153 114.5 92.8 139.2

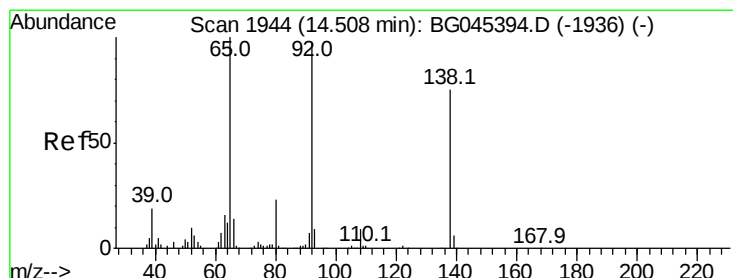
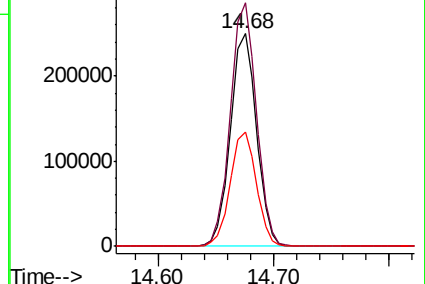
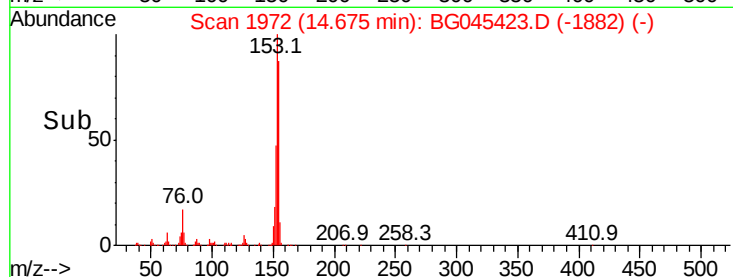
152 53.9 44.6 66.8



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: 13.050 ng

RT: 15.01 min Scan# 2029

Delta R.T. 0.48 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

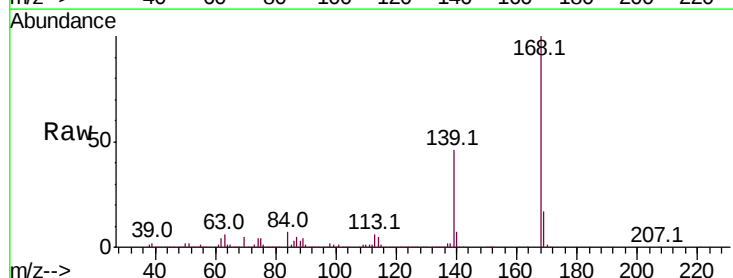
Tgt Ion:138 Resp: 52624

Ion Ratio Lower Upper

138 100

108 2.2 9.8 14.6#

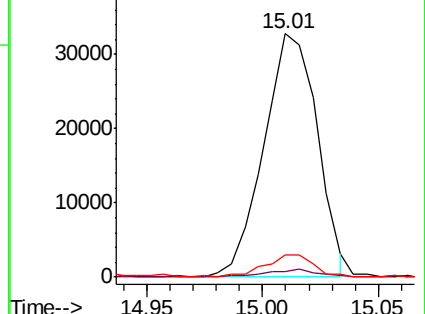
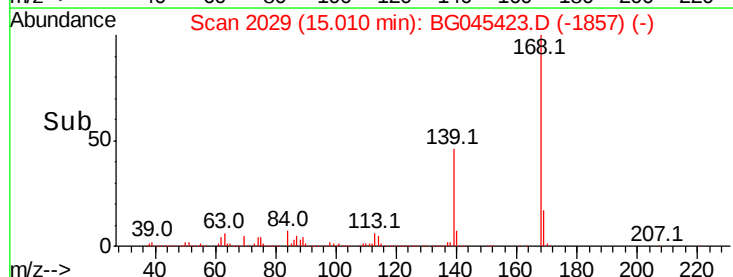
92 9.1 103.0 154.4#

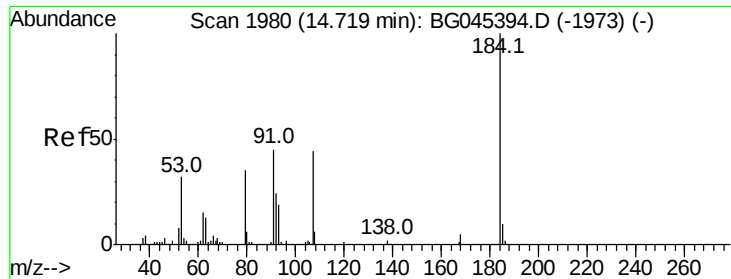


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

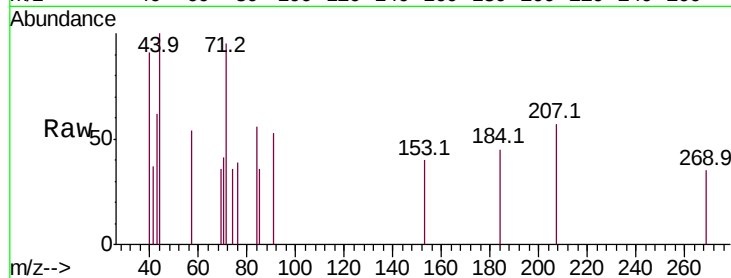




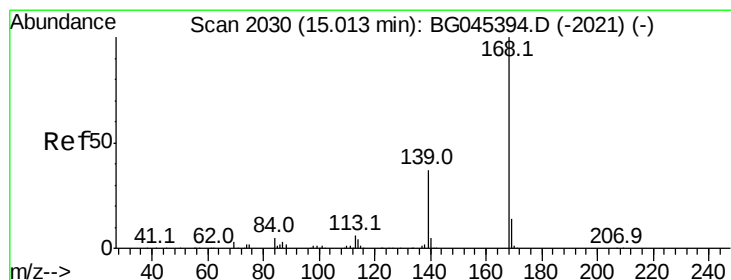
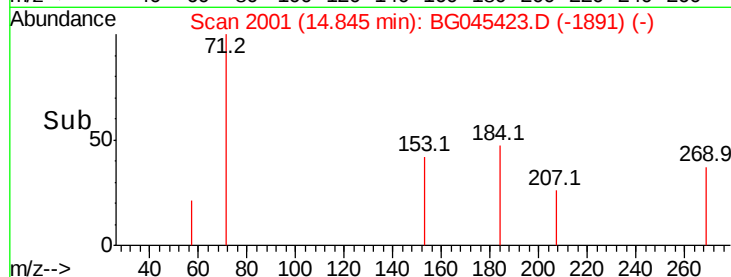
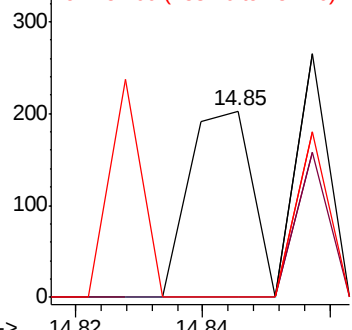
#54
2,4-Dinitrophenol
Concen: 5.509 ng
RT: 14.85 min Scan# 2001
Delta R.T. 0.12 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Tot Ion:184 Resp: 139
Ion Ratio Lower Upper
184 100
63 0.0 47.8 71.6#
154 0.0 58.3 87.5#

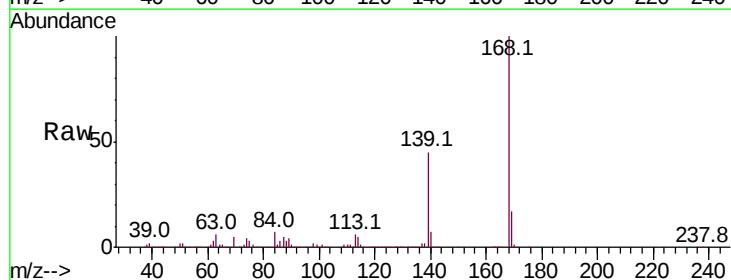


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

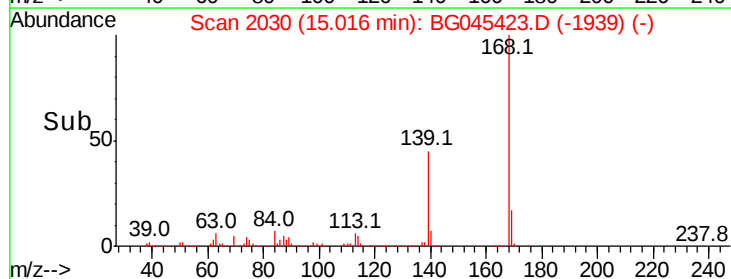
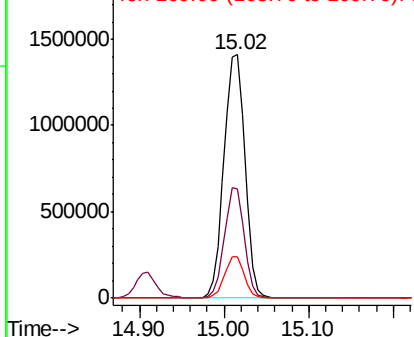


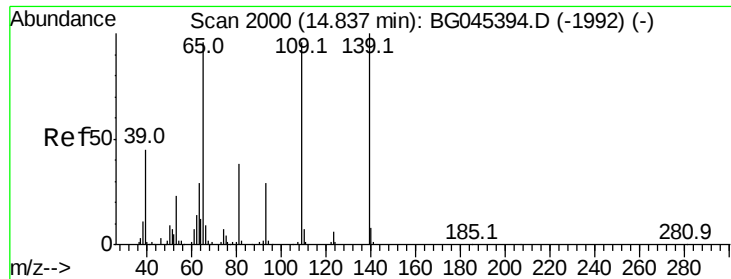
#55
Dibenzofuran
Concen: 118.630 ng
RT: 15.02 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion:168 Resp: 2421883
Ion Ratio Lower Upper
168 100
139 44.9 29.9 44.9
169 16.8 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

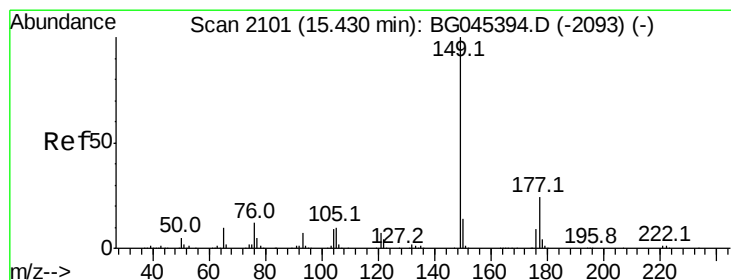
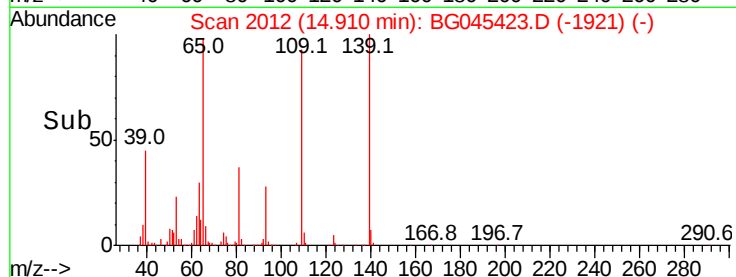
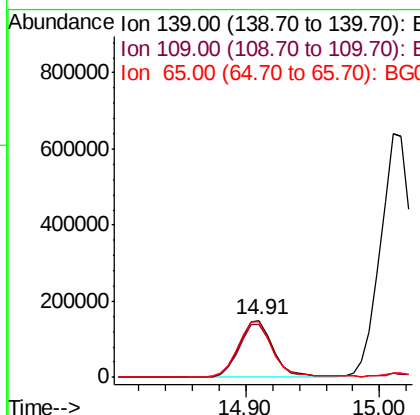
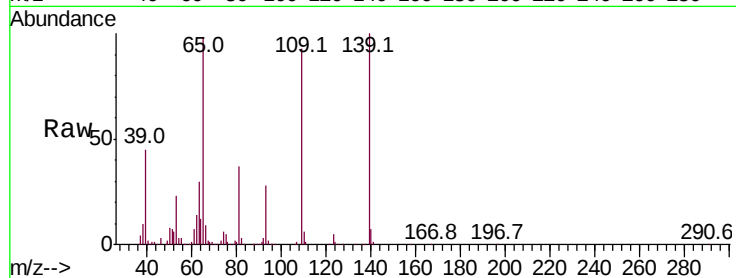




#56
4-Nitrophenol
Concen: 87.076 ng
RT: 14.91 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

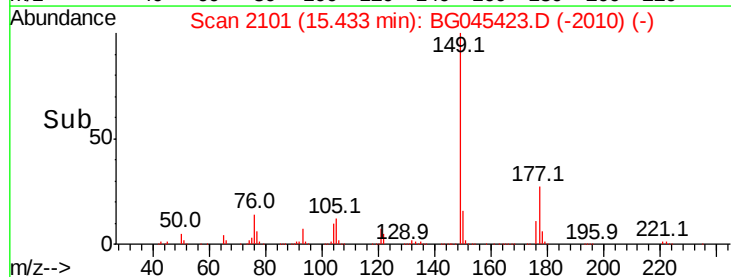
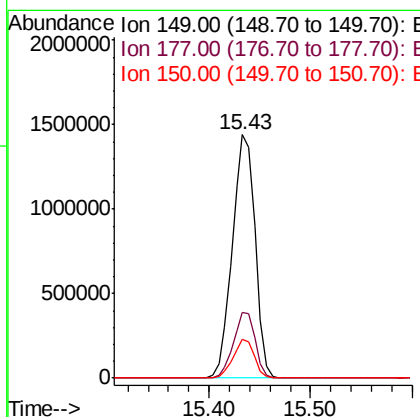
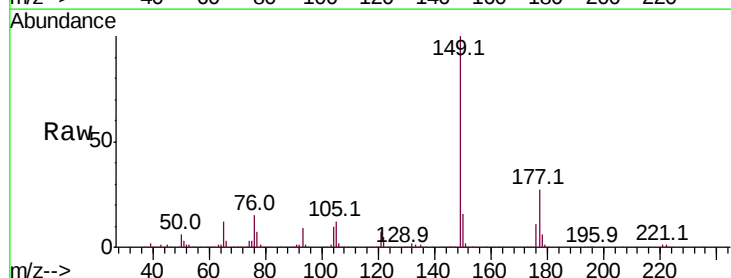
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

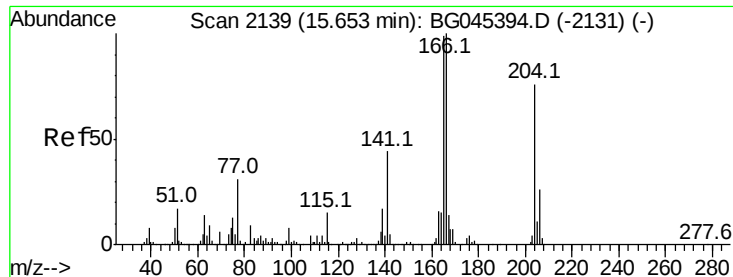
Tot Ion:139 Resp: 265833
Ion Ratio Lower Upper
139 100
109 93.2 75.6 115.6
65 98.1 76.8 116.8



#60
Diethylphthalate
Concen: 122.050 ng
RT: 15.43 min Scan# 2101
Delta R.T. 0.01 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion:149 Resp: 2233137
Ion Ratio Lower Upper
149 100
177 27.2 19.0 28.4
150 16.0 11.4 17.0





#61

4-Chlorophenyl-phenylether

Concen: 116.998 ng

RT: 15.66 min Scan# 2139

Delta R.T. 0.01 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampled :

PT-BNA-SOIL

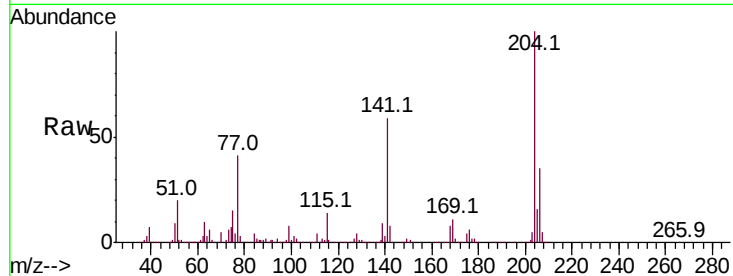
Tot Ion:204 Resp: 1122918

Ion Ratio Lower Upper

204 100

206 35.5 27.3 40.9

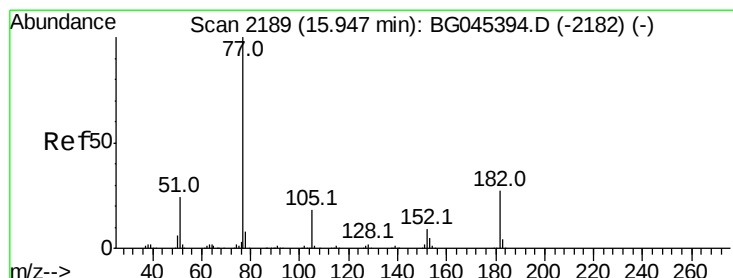
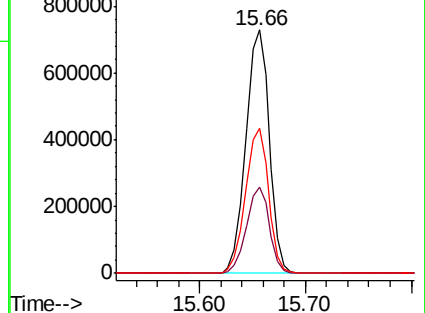
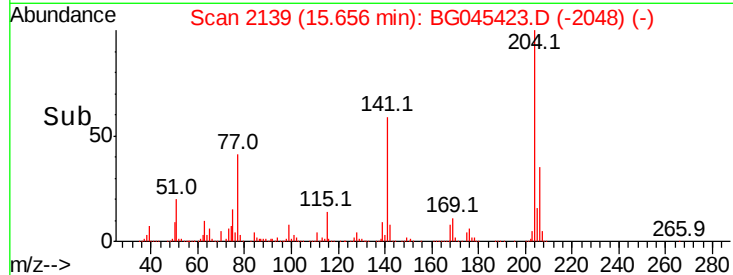
141 59.4 45.9 68.9



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Azobenzene

Concen: 26.331 ng

RT: 15.66 min Scan# 2139

Delta R.T. -0.29 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Tgt Ion: 77 Resp: 449226

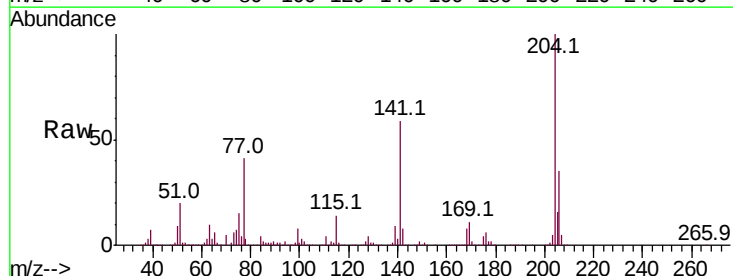
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 0.1 0.0 37.9

51 49.7 4.1 44.1#

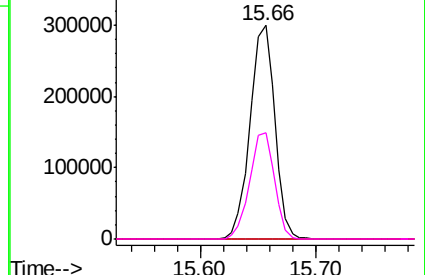
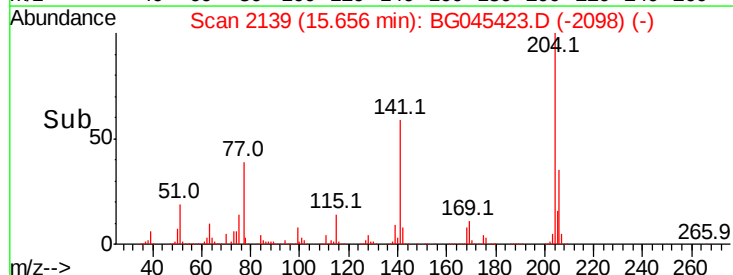


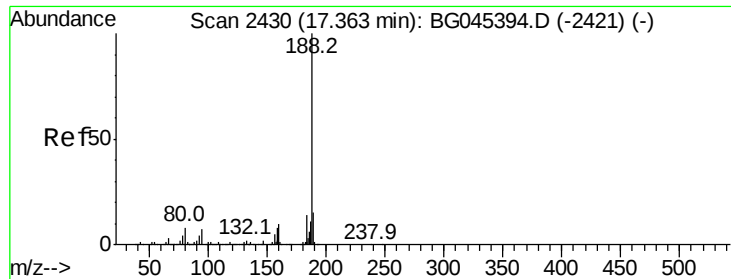
Abundance Ion 77.00 (76.70 to 77.70): BG

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): BG

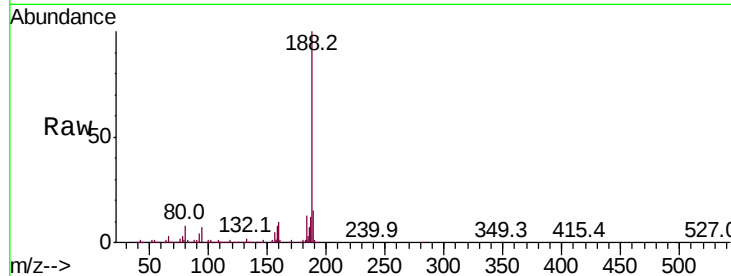




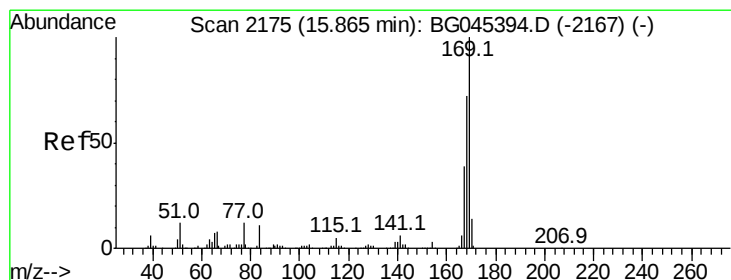
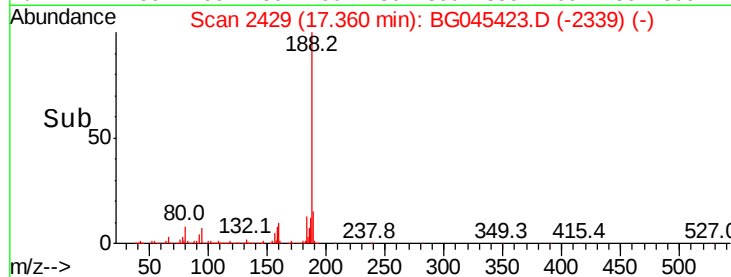
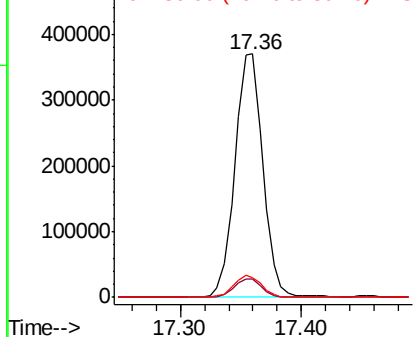
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.36 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Instrument :
BNA_G
ClientSampled :
PT-BNA-SOIL

Tot Ion	188	Ratio	Lower	Upper
188	100			
94	7.5	5.5	8.3	
80	8.1	6.6	10.0	

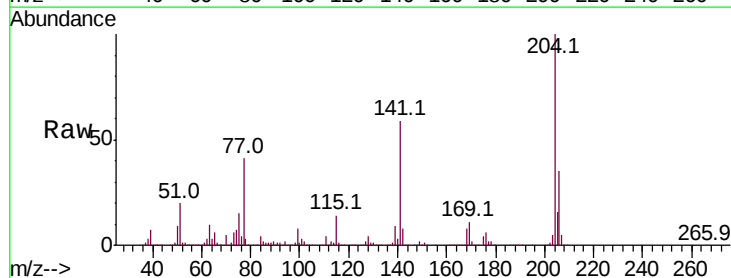


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

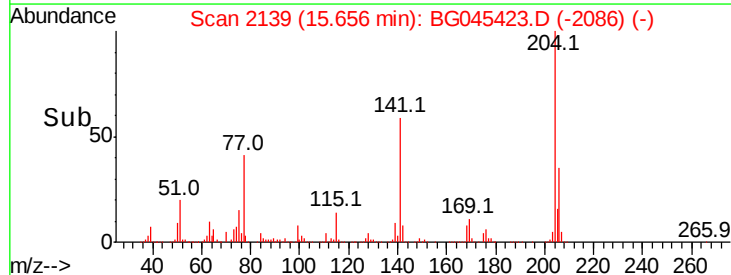
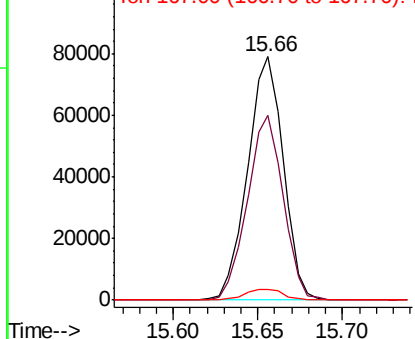


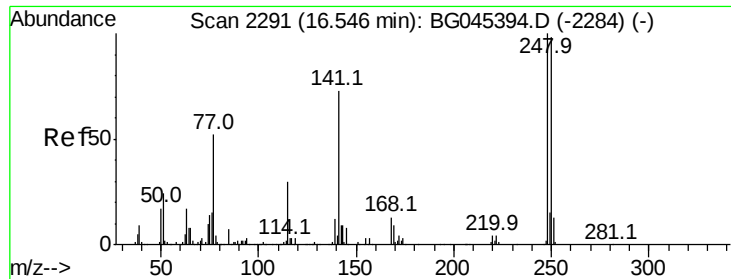
#66
n-Nitrosodiphenylamine
Concen: 8.106 ng
RT: 15.66 min Scan# 2139
Delta R.T. -0.22 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion	169	Ratio	Lower	Upper
169	100			
168	75.7	57.8	86.6	
167	4.5	31.5	47.3	



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

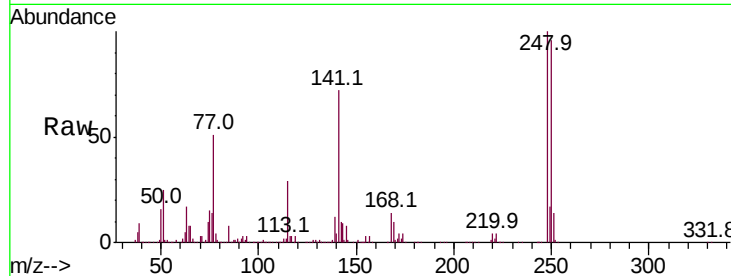




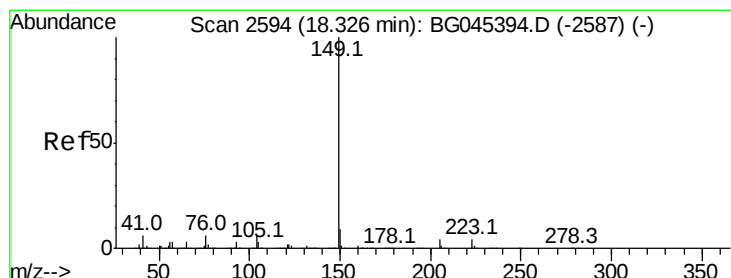
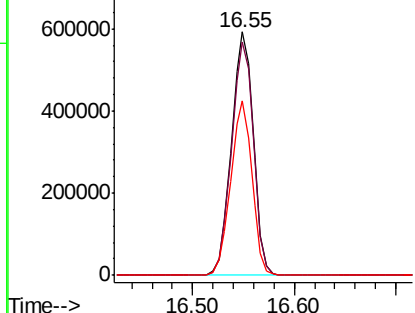
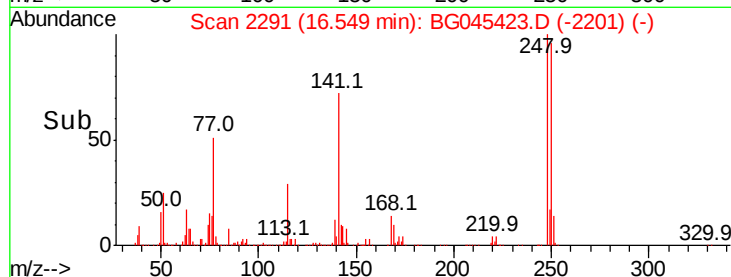
#67
 4-Bromophenyl-phenylether
 Concen: 136.654 ng
 RT: 16.55 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:248 Resp: 885848
 Ion Ratio Lower Upper
 248 100
 250 95.8 78.6 117.8
 141 71.9 58.2 87.2

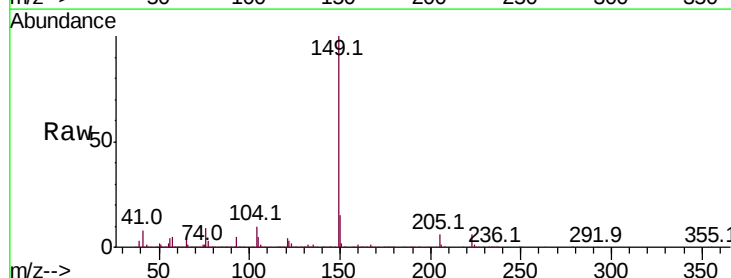


Abundance Ion 248.00 (247.70 to 248.70): E
 800000 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

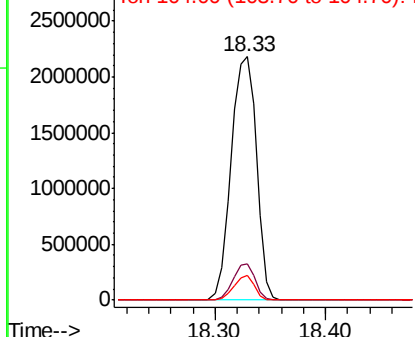
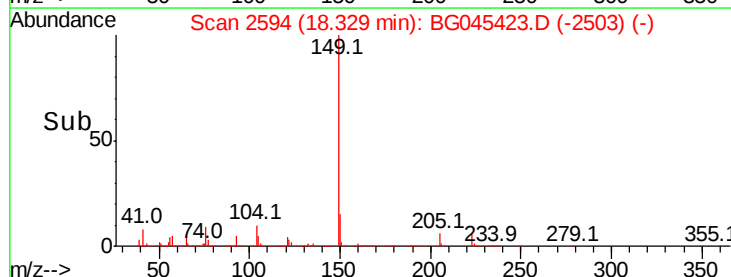


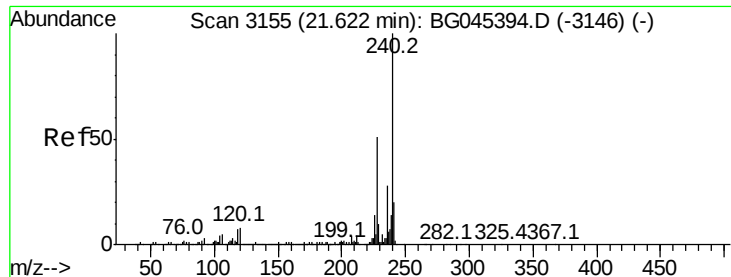
#74
 Di-n-butylphthalate
 Concen: 114.665 ng
 RT: 18.33 min Scan# 2594
 Delta R.T. 0.01 min
 Lab File: BG045423.D
 Acq: 19 May 2020 12:07

Tgt Ion:149 Resp: 3520852
 Ion Ratio Lower Upper
 149 100
 150 14.9 7.6 11.4#
 104 10.0 5.0 7.4#



Abundance Ion 149.00 (148.70 to 149.70): E
 3000000 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

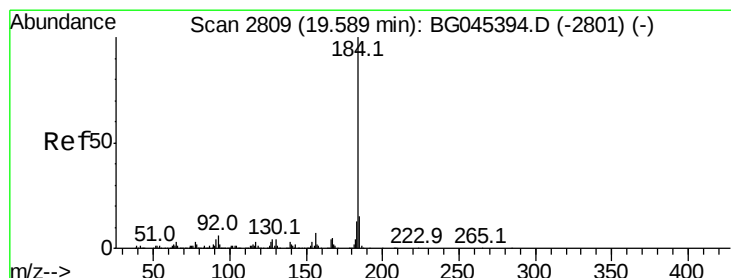
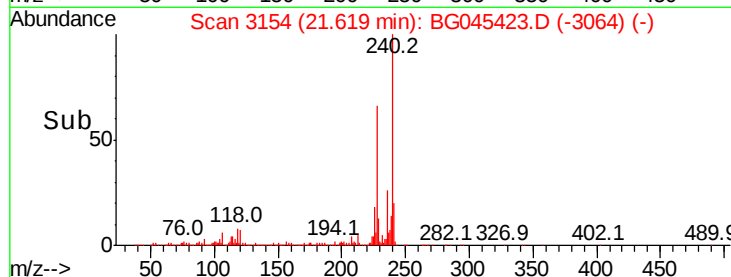
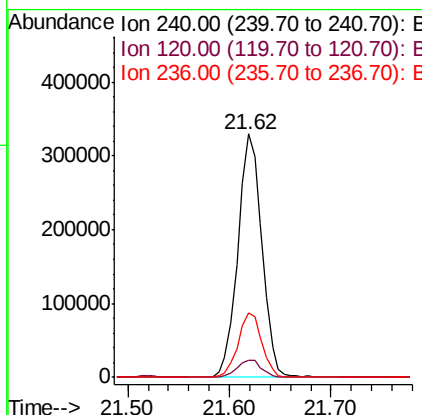
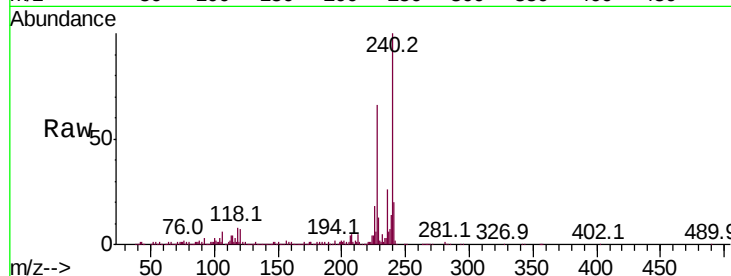




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

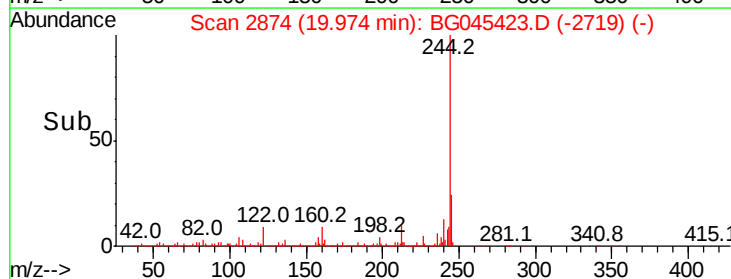
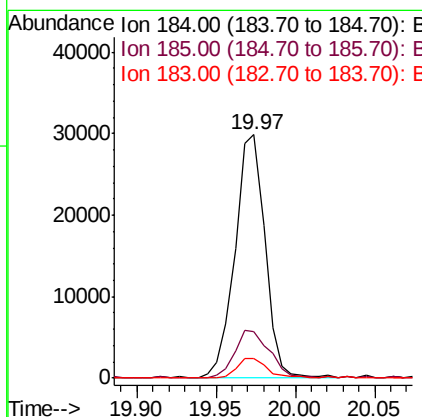
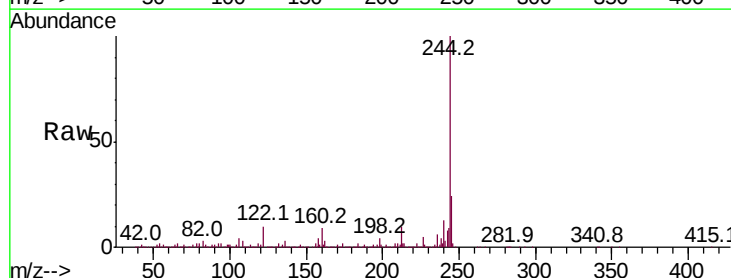
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

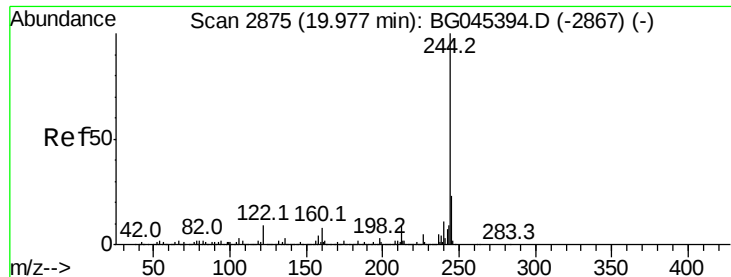
Tot Ion:240 Resp: 542176
Ion Ratio Lower Upper
240 100
120 6.8 6.1 9.1
236 26.4 22.3 33.5



#77
Benzidine
Concen: 2.589 ng
RT: 19.97 min Scan# 2874
Delta R.T. 0.38 min
Lab File: BG045423.D
Acq: 19 May 2020 12:07

Tgt Ion:184 Resp: 39422
Ion Ratio Lower Upper
184 100
185 19.0 11.7 17.5#
183 8.0 10.2 15.4#





#79

Terphenyl-d14

Concen: 91.468 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

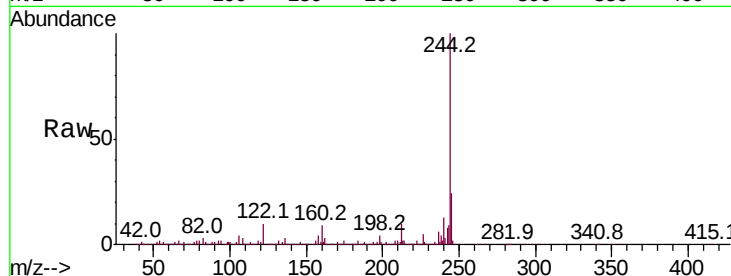
Tot Ion:244 Resp: 2126313

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.4	11.0
122	9.5	6.8	10.2

244 100

212 10.0 7.4 11.0

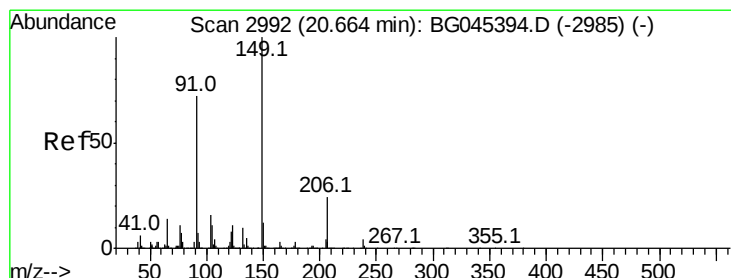
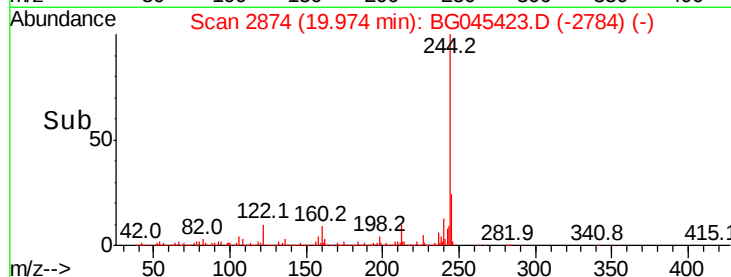
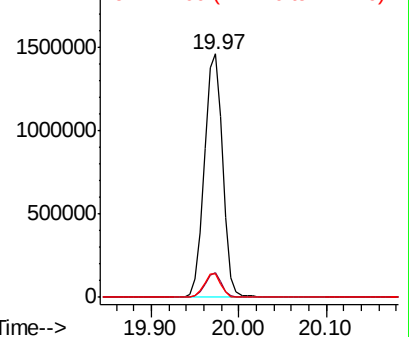
122 9.5 6.8 10.2



Abundance Ion 244.00 (243.70 to 244.70): E

2000000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 163.517 ng

RT: 20.67 min Scan# 2992

Delta R.T. 0.01 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

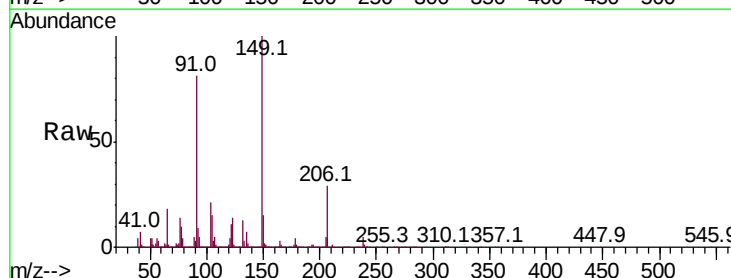
Tgt Ion:149 Resp: 2181339

Ion	Ratio	Lower	Upper
149	100		
91	80.8	57.8	86.6
206	28.8	19.1	28.7

149 100

91 80.8 57.8 86.6

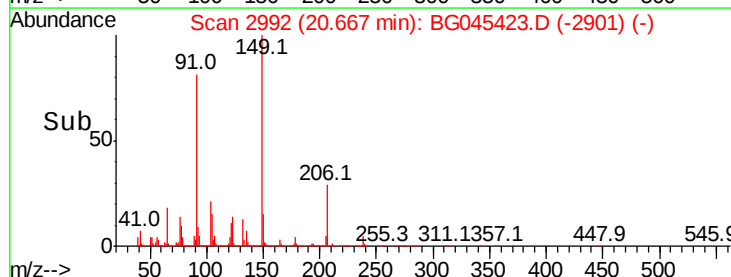
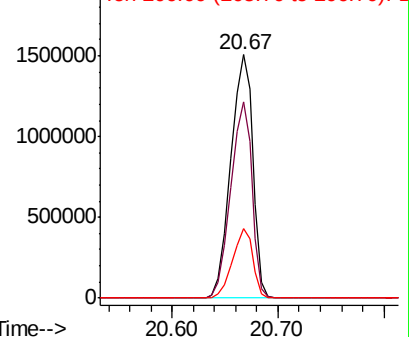
206 28.8 19.1 28.7

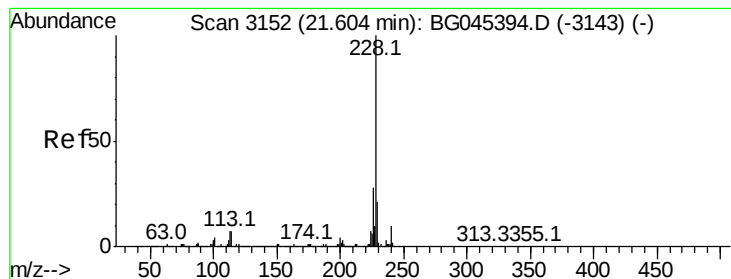


Abundance Ion 149.00 (148.70 to 149.70): E

2000000 Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.148 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

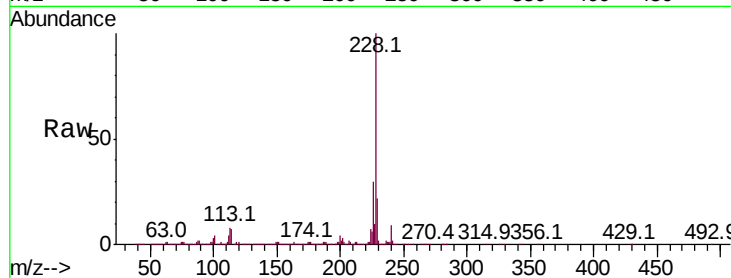
Tot Ion:228 Resp: 1393793

Ion Ratio Lower Upper

228 100

226 29.6 22.7 34.1

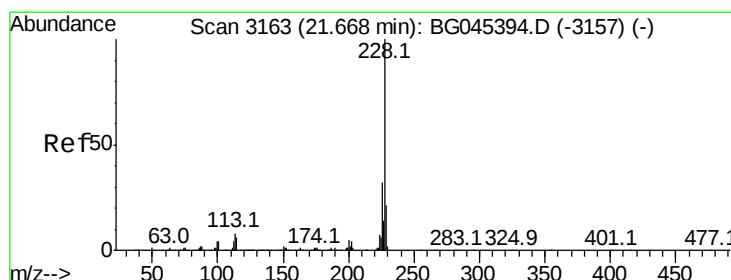
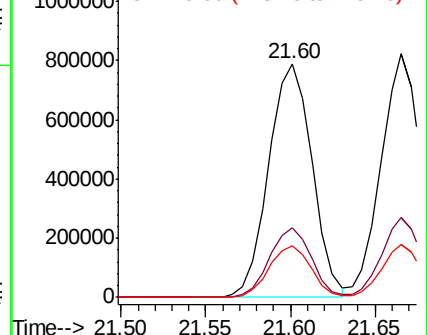
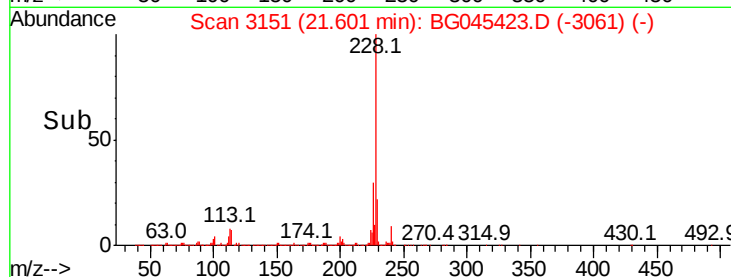
229 21.9 16.7 25.1



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: 46.924 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

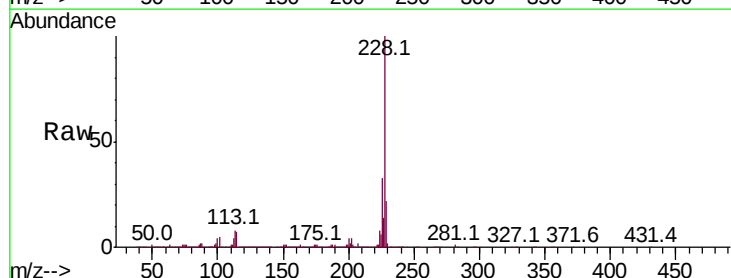
Tgt Ion:228 Resp: 1362733

Ion Ratio Lower Upper

228 100

226 32.7 25.2 37.8

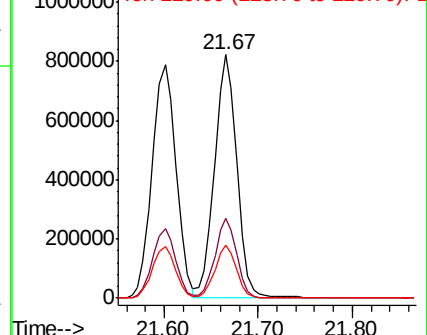
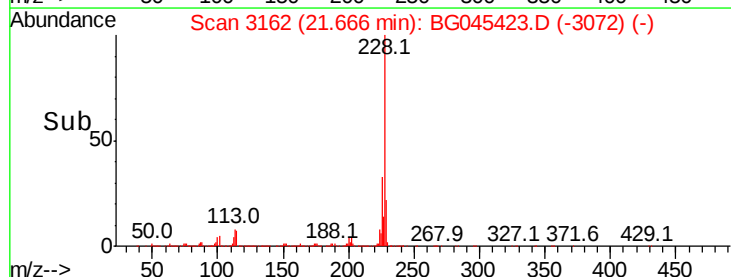
229 21.7 16.7 25.1

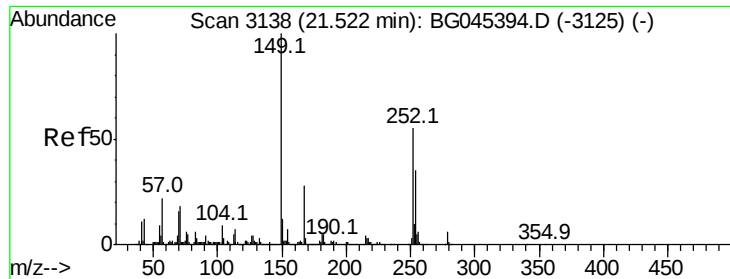


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 143.734 ng

RT: 21.52 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

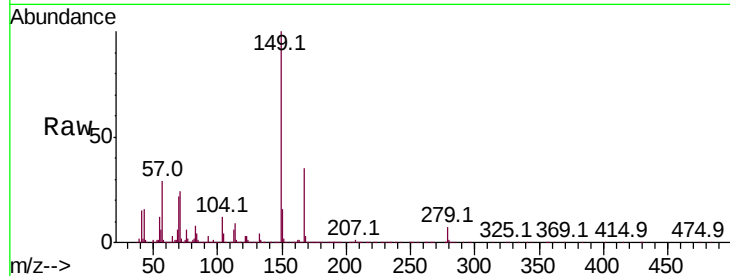
Tot Ion:149 Resp: 2635766

Ion Ratio Lower Upper

149 100

167 35.0 22.2 33.2#

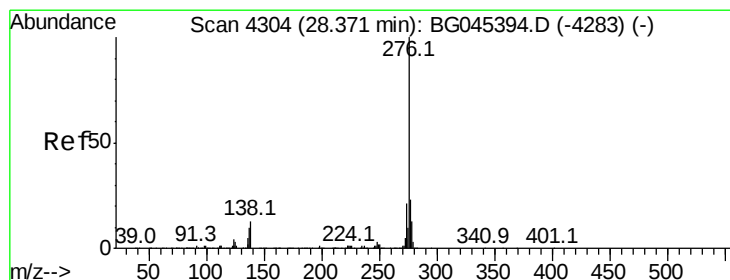
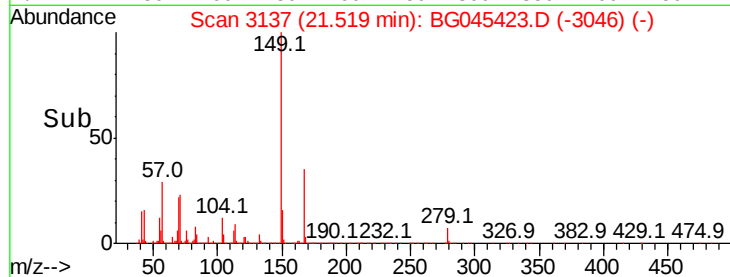
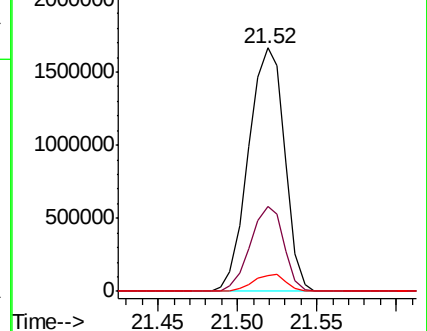
279 6.6 4.7 7.1



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: 61.573 ng

RT: 28.38 min Scan# 4305

Delta R.T. 0.02 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

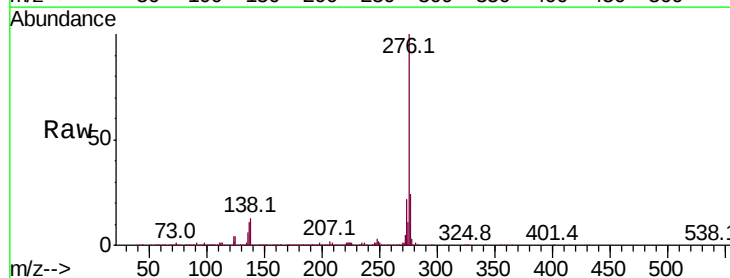
Tgt Ion:276 Resp: 2338322

Ion Ratio Lower Upper

276 100

138 12.9 8.6 12.8#

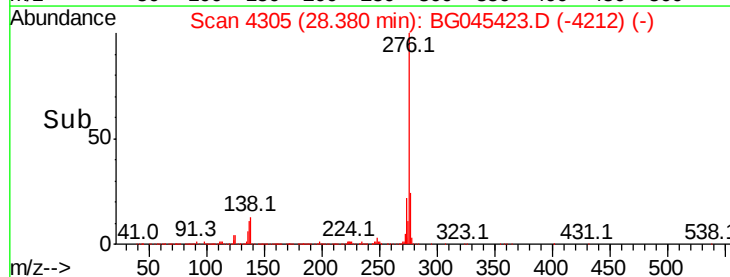
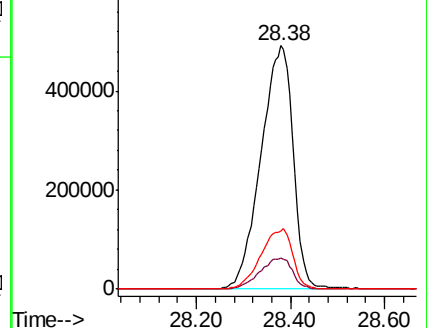
277 24.6 20.2 30.4

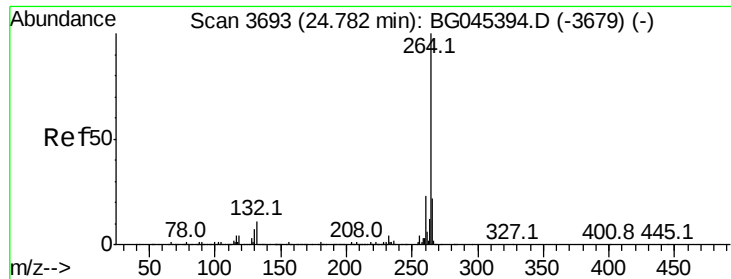


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.77 min Scan# 3691

Delta R.T. -0.00 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

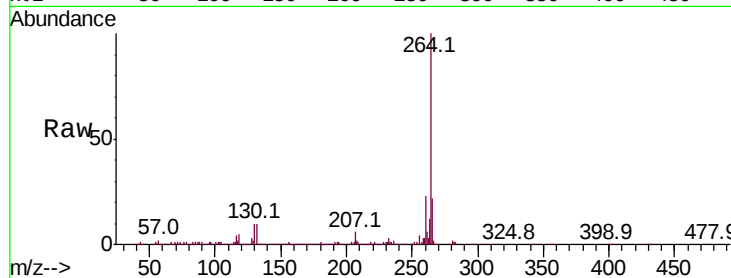
Tot Ion:264 Resp: 619661

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

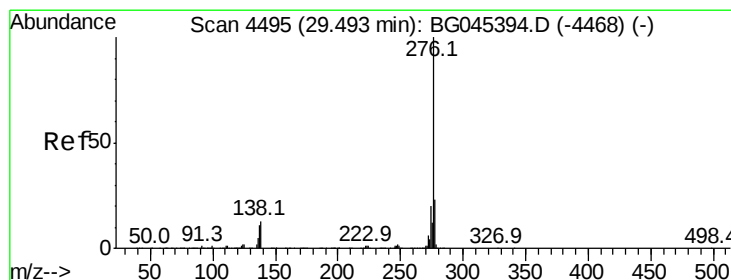
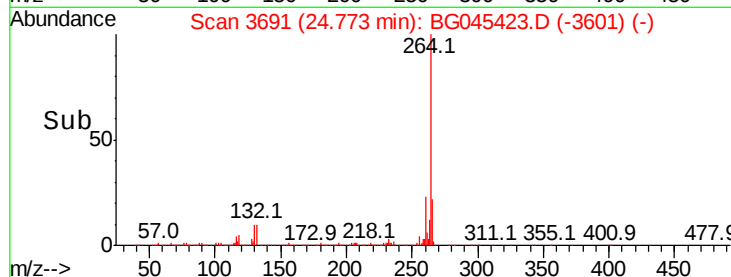
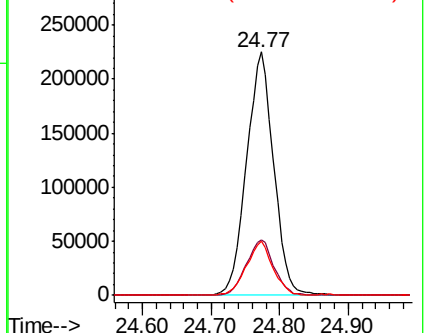
265 22.2 17.6 26.4



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: 49.929 ng

RT: 29.49 min Scan# 4494

Delta R.T. 0.01 min

Lab File: BG045423.D

Acq: 19 May 2020 12:07

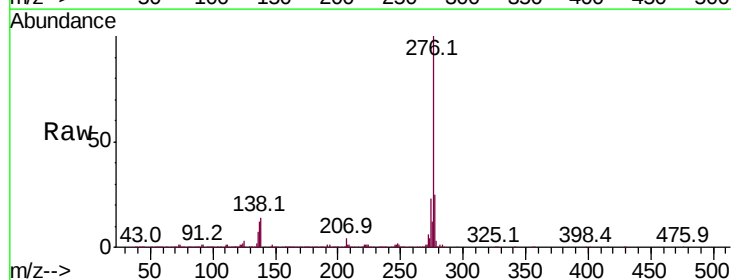
Tgt Ion:276 Resp: 1553113

Ion Ratio Lower Upper

276 100

277 24.8 18.1 27.1

138 13.5 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

