

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
 Data File : BF121603.D
 Acq On : 17 Sep 2020 18:24
 Operator : JU/CG
 Sample : L4032-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Quant Time: Sep 18 00:44:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	199376	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	779500	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	399269	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	708514	20.00	ng	0.00
76) Chrysene-d12	13.98	240	416358	20.00	ng	-0.01
86) Perylene-d12	15.43	264	382117	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1373827	102.40	ng	0.02
7) Phenol-d6	6.47	99	1818985	103.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	1288497	88.75	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	575266	115.93	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	2127478	80.70	ng	0.00
79) Terphenyl-d14	12.93	244	1922311	93.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	233354	37.861	ng	99
3) Pyridine	3.42	79	685732	40.245	ng	100
4) n-Nitrosodimethylamine	3.38	42	333769	42.231	ng	99
6) Aniline	6.49	93	593231	25.879	ng	# 37
8) 2-Chlorophenol	6.62	128	605985	44.365	ng	95
9) Benzaldehyde	6.37	77	264515	22.989	ng	98
10) Phenol	6.48	94	735855	39.261	ng	79
11) bis(2-Chloroethyl)ether	6.56	93	612274	43.343	ng	98
12) 1,3-Dichlorobenzene	6.76	146	629898	41.316	ng	96
13) 1,4-Dichlorobenzene	6.84	146	635057	41.484	ng	98
14) 1,2-Dichlorobenzene	6.99	146	617483	43.786	ng	99
15) Benzyl Alcohol	6.97	79	543670	45.446	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	913510	40.187	ng	85
17) 2-Methylphenol	7.09	107	493117	42.429	ng	93
18) Hexachloroethane	7.33	117	236059	43.066	ng	98
19) n-Nitroso-di-n-propylamine	7.25	70	420771	41.481	ng	99
20) 3+4-Methylphenols	7.24	107	564557	40.430	ng	91
22) Acetophenone	7.23	105	781953	39.538	ng	95
24) Nitrobenzene	7.41	77	649270	41.349	ng	99
25) Isophorone	7.65	82	1191152	40.758	ng	99
26) 2-Nitrophenol	7.72	139	323163	43.946	ng	92
27) 2,4-Dimethylphenol	7.77	122	526958	40.394	ng	100
28) bis(2-Chloroethoxy)methane	7.86	93	750622	41.488	ng	99
29) 2,4-Dichlorophenol	7.97	162	493942	41.571	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	520720	41.612	ng	99
31) Naphthalene	8.13	128	1664037	40.440	ng	100
32) Benzoic acid	7.92	122	398518	41.964	ng	96
33) 4-Chloroaniline	8.17	127	397228	22.270	ng	98
34) Hexachlorobutadiene	8.25	225	311048	42.347	ng	99
35) Caprolactam	8.56	113	116086	29.338	ng	99
36) 4-Chloro-3-methylphenol	8.67	107	537118	41.963	ng	100
37) 2-Methylnaphthalene	8.82	142	1091136	40.463	ng	99
38) 1-Methylnaphthalene	8.92	142	1011876	40.319	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	503019	40.332	ng	99

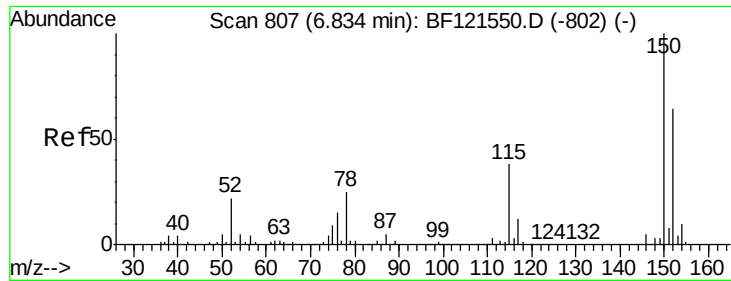
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
 Data File : BF121603.D
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 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	463392	65.062	ng	99
43) 2,4,6-Trichlorophenol	9.10	196	362266	42.615	ng	100
44) 2,4,5-Trichlorophenol	9.15	196	374797	41.705	ng	94
46) 1,1'-Biphenyl	9.29	154	1279015	40.014	ng	99
47) 2-Chloronaphthalene	9.31	162	1013812	40.249	ng	100
48) 2-Nitroaniline	9.40	65	356626	45.562	ng	98
49) Acenaphthylene	9.73	152	1565354	40.447	ng	100
50) Dimethylphthalate	9.59	163	1434681	49.577	ng	99
51) 2,6-Dinitrotoluene	9.65	165	277484	45.025	ng	95
52) Acenaphthene	9.90	154	943463	38.596	ng	99
53) 3-Nitroaniline	9.82	138	187237	26.226	ng	96
54) 2,4-Dinitrophenol	9.93	184	229880	66.405	ng	98
55) Dibenzofuran	10.07	168	1373014	39.885	ng	99
56) 4-Nitrophenol	9.99	139	451775	79.347	ng	98
57) 2,4-Dinitrotoluene	10.05	165	362975	46.815	ng	94
58) Fluorene	10.41	166	1046983	39.771	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.19	232	314158	42.999	ng	97
60) Diethylphthalate	10.29	149	1189644	42.165	ng	100
61) 4-Chlorophenyl-phenylether	10.40	204	518824	41.142	ng	97
62) 4-Nitroaniline	10.43	138	253516	35.763	ng	99
63) Azobenzene	10.56	77	1185966	39.472	ng	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	160326	38.464	ng	87
66) n-Nitrosodiphenylamine	10.52	169	1010153	41.557	ng	99
67) 4-Bromophenyl-phenylether	10.89	248	350881	43.497	ng	95
68) Hexachlorobenzene	10.96	284	386196	42.423	ng	98
69) Atrazine	11.05	200	238006	39.411	ng	98
70) Pentachlorophenol	11.16	266	409162	81.840	ng	99
71) Phenanthrene	11.37	178	1563530	40.503	ng	100
72) Anthracene	11.42	178	1579829	39.658	ng	100
73) Carbazole	11.58	167	1402748	39.021	ng	99
74) Di-n-butylphthalate	11.91	149	1716375	41.368	ng	100
75) Fluoranthene	12.56	202	1597556	38.768	ng	98
77) Benzidine	12.67	184	551345	39.944	ng	100
78) Pyrene	12.79	202	1554862	51.113	ng	100
80) Butylbenzylphthalate	13.40	149	653338	53.104	ng	96
81) Benzo(a)anthracene	13.97	228	1130707	42.926	ng	100
82) 3,3'-Dichlorobenzidine	13.93	252	365282	35.521	ng	99
83) Chrysene	14.01	228	1148792	43.069	ng	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	831678	50.602	ng	100
85) Di-n-octyl phthalate	14.57	149	1346649	46.427	ng	99
87) Indeno(1,2,3-cd)pyrene	16.87	276	1280676	51.464	ng	98
88) Benzo(b)fluoranthene	15.02	252	1151824	45.090	ng	99
89) Benzo(k)fluoranthene	15.02	252	1151824	49.239	ng	98
90) Benzo(a)pyrene	15.37	252	981406	45.197	ng	100
91) Dibenzo(a,h)anthracene	16.90	278	1015921	49.043	ng	97
92) Benzo(g,h,i)perylene	17.32	276	1083499	53.212	ng	96

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

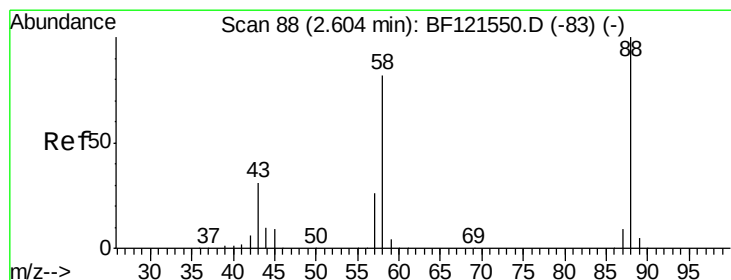
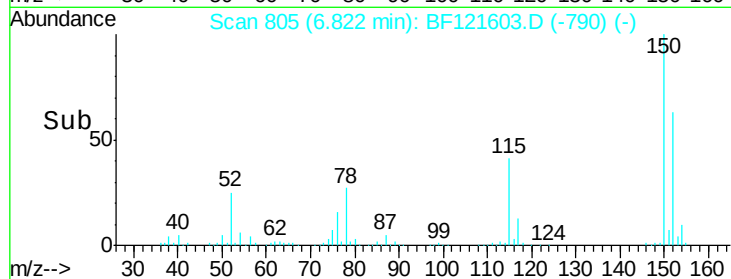
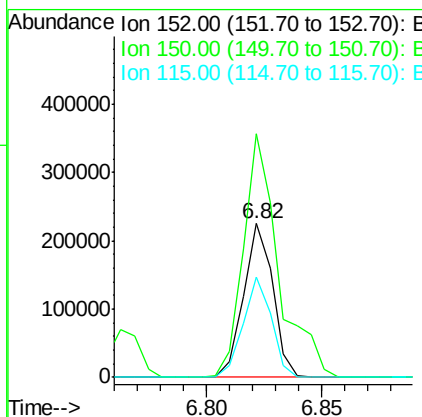
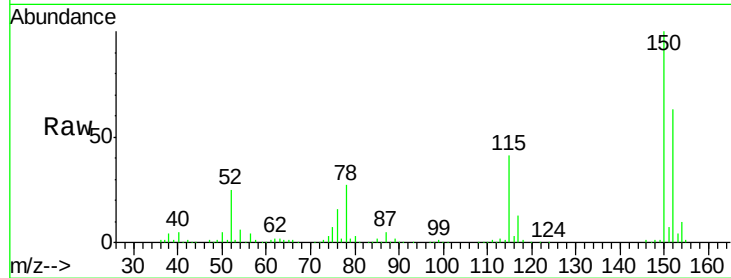


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

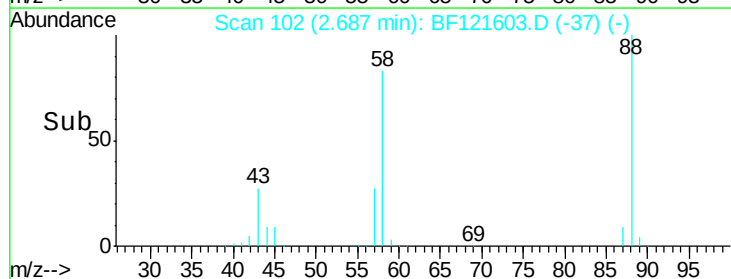
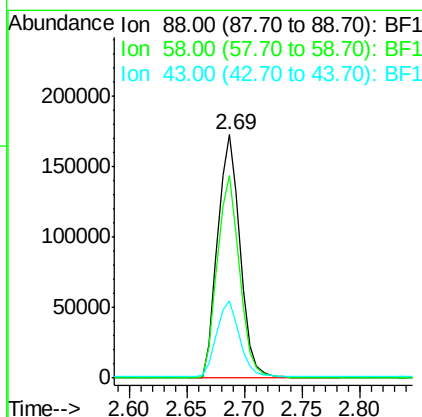
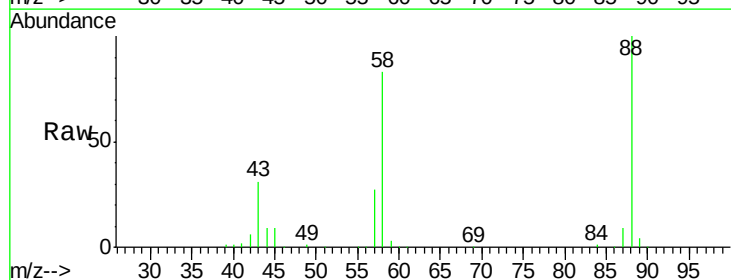
Tot Ion:152 Resp: 199376
Ion Ratio Lower Upper
152 100
150 158.4 125.8 188.6
115 64.9 47.8 71.8

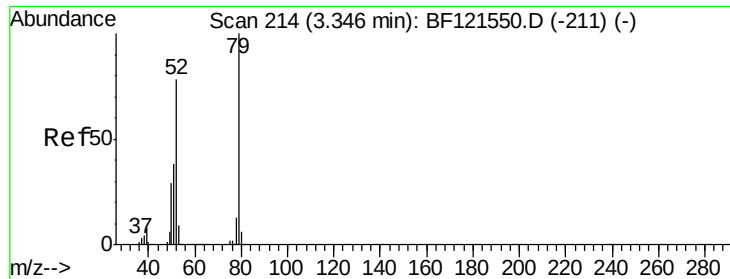


#2

1,4-Dioxane
Concen: 37.861 ng
RT: 2.69 min Scan# 102
Delta R.T. 0.08 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion: 88 Resp: 233354
Ion Ratio Lower Upper
88 100
58 83.1 65.1 97.7
43 31.1 25.0 37.4

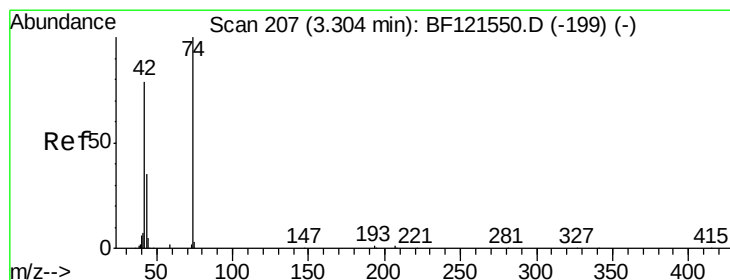
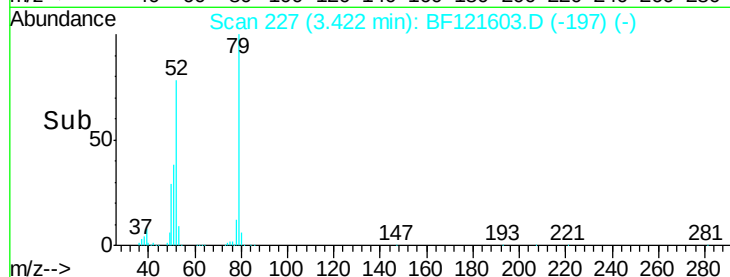
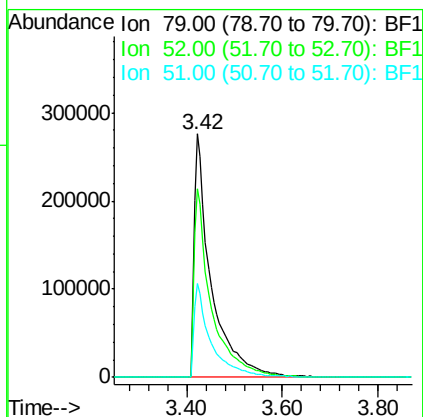
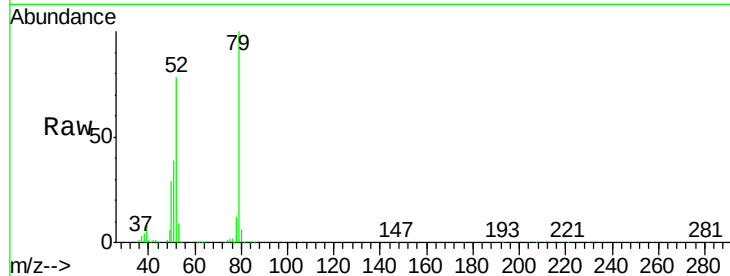




#3
 Pvridine
 Concen: 40.245 ng
 RT: 3.42 min Scan# 227
 Delta R.T. 0.08 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

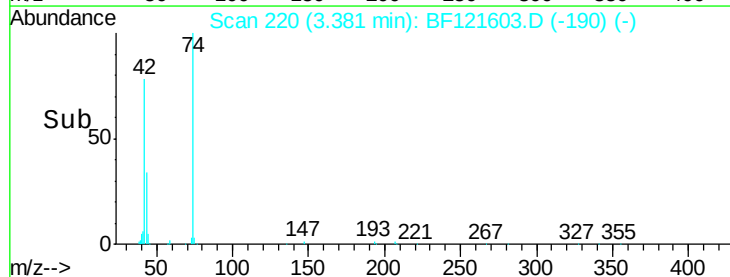
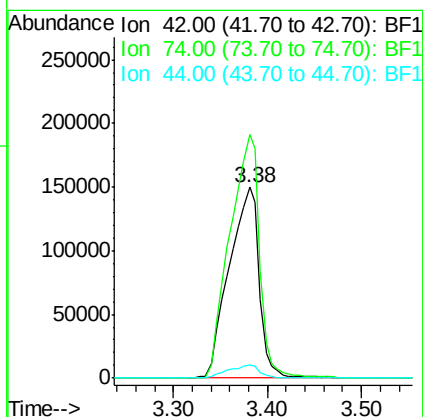
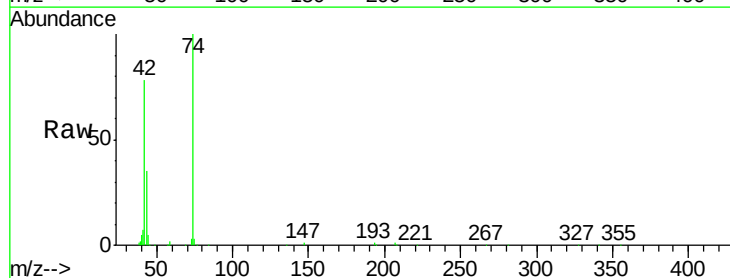
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

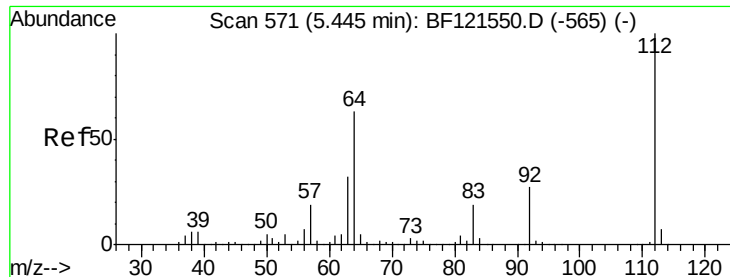
Tot Ion: 79 Resp: 685732
 Ion Ratio Lower Upper
 79 100
 52 77.6 62.2 93.2
 51 38.5 30.6 45.8



#4
 n-Nitrosodimethylamine
 Concen: 42.231 ng
 RT: 3.38 min Scan# 220
 Delta R.T. 0.08 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion: 42 Resp: 333769
 Ion Ratio Lower Upper
 42 100
 74 127.8 101.7 152.5
 44 6.7 5.4 8.2





#5

2-Fluorophenol

Concen: 102.403 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.02 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

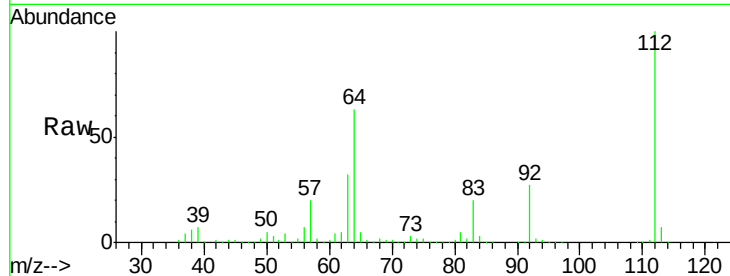
Tot Ion: 112 Resp: 1373827

Ion Ratio Lower Upper

112 100

64 62.6 50.3 75.5

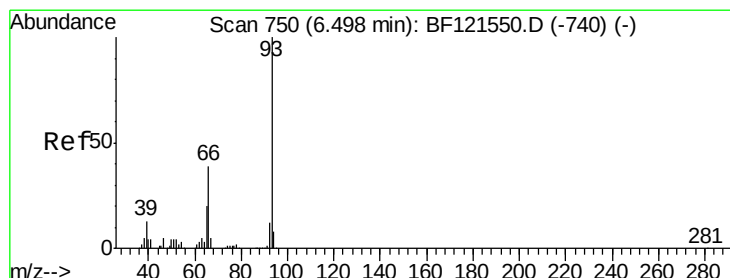
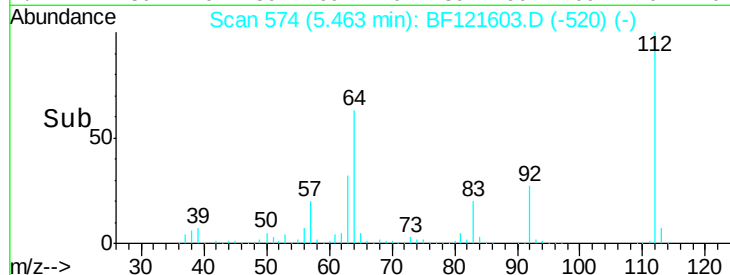
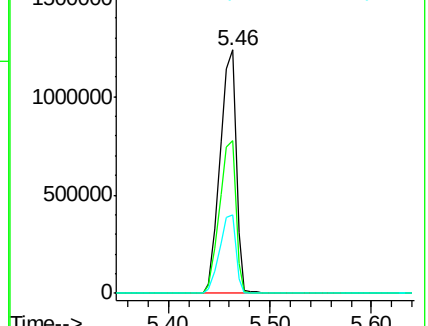
63 32.3 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.879 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

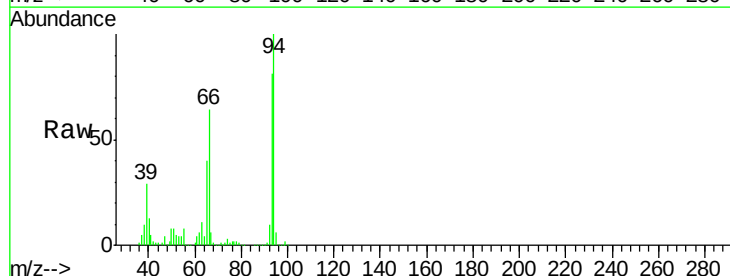
Tgt Ion: 93 Resp: 593231

Ion Ratio Lower Upper

93 100

66 78.7 31.8 47.8#

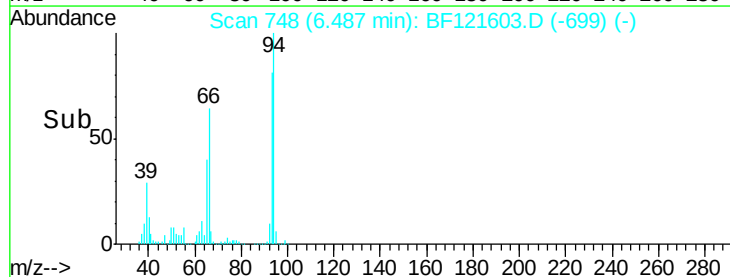
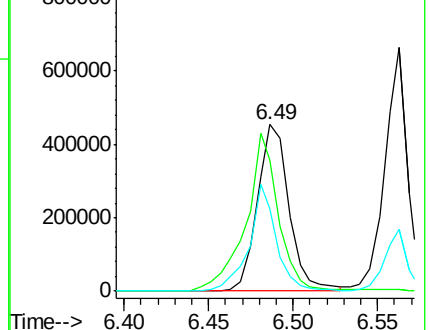
65 49.6 16.2 24.2#

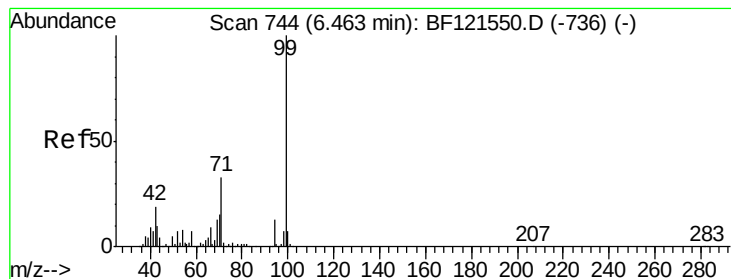


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.347 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

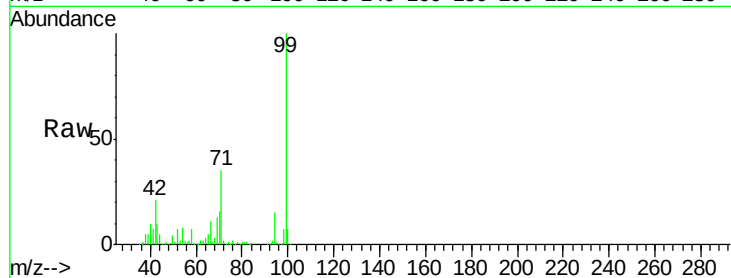
Tot Ion: 99 Resp: 1818985

Ion	Ratio	Lower	Upper
99	100		
42	20.6	15.5	23.3
71	35.4	26.1	39.1

99 100

42 20.6 15.5 23.3

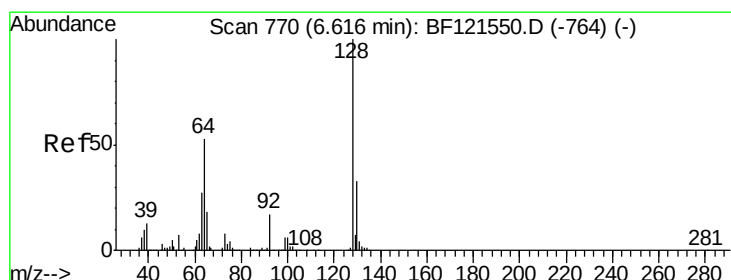
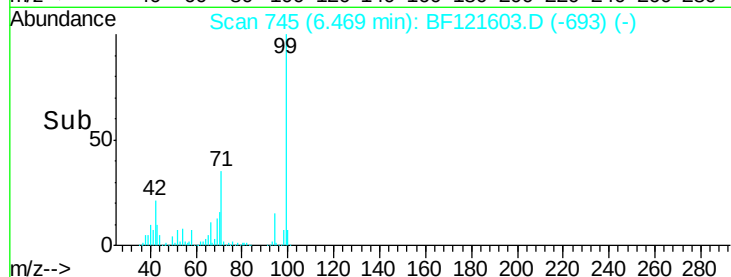
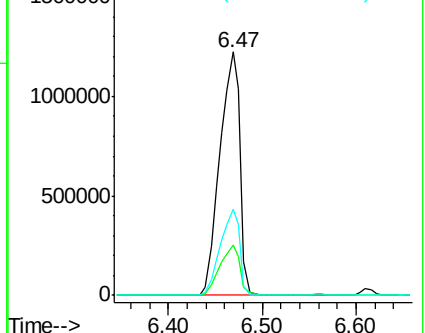
71 35.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.365 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

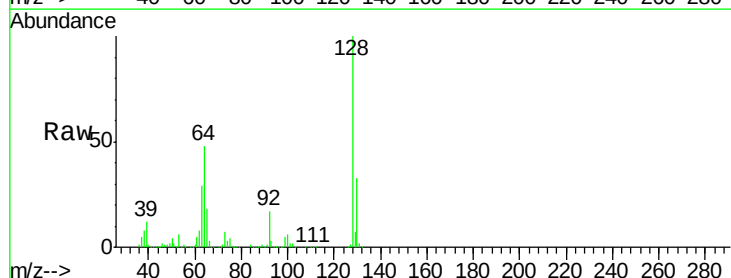
Tgt Ion: 128 Resp: 605985

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	47.6	33.1	73.1

128 100

130 32.9 12.6 52.6

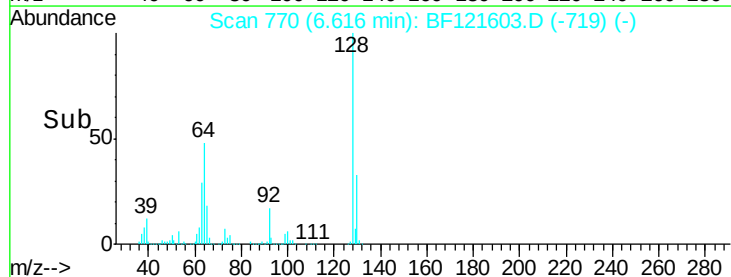
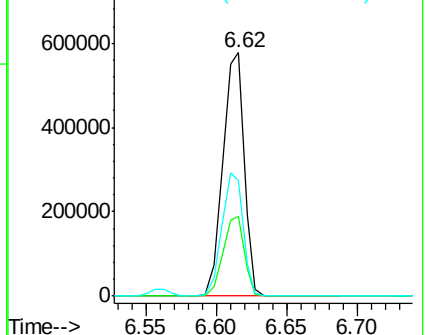
64 47.6 33.1 73.1

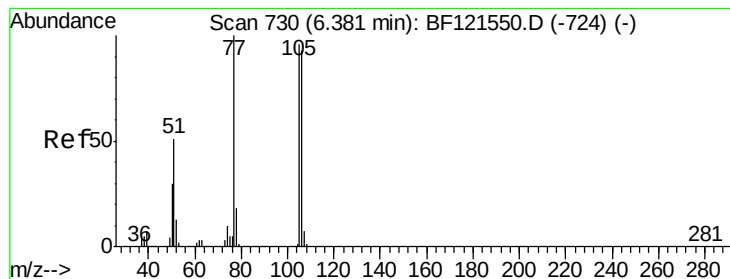


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 22.989 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

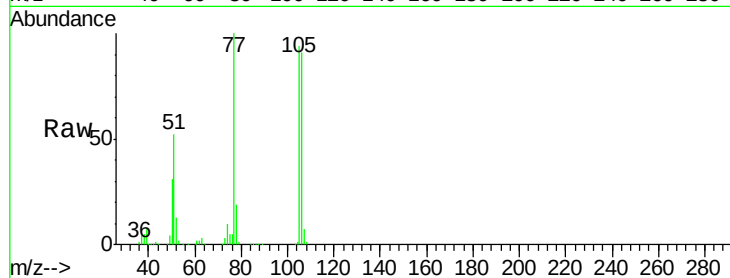
Tot Ion: 77 Resp: 264515

Ion Ratio Lower Upper

77 100

105 94.0 76.4 116.4

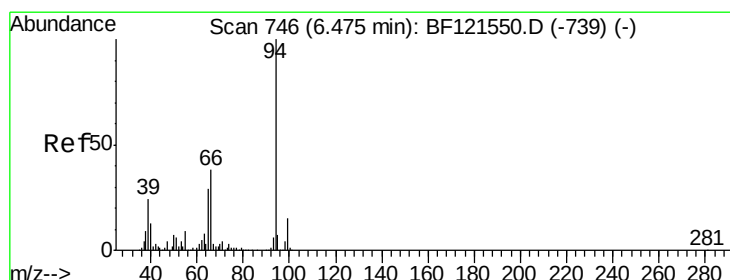
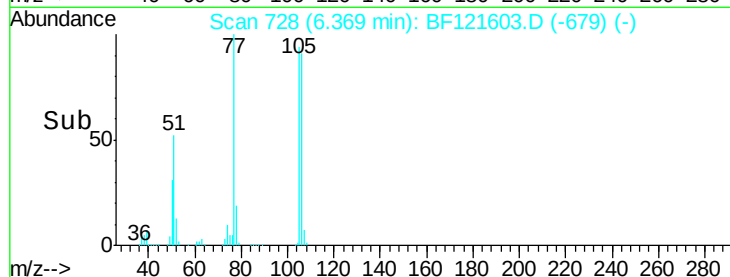
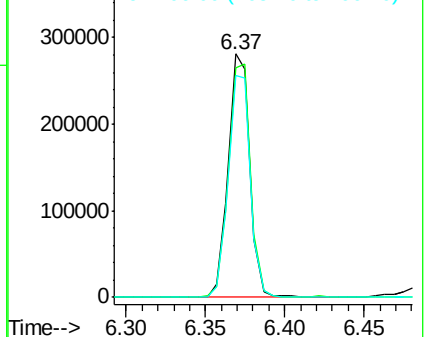
106 91.1 73.5 113.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 39.261 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

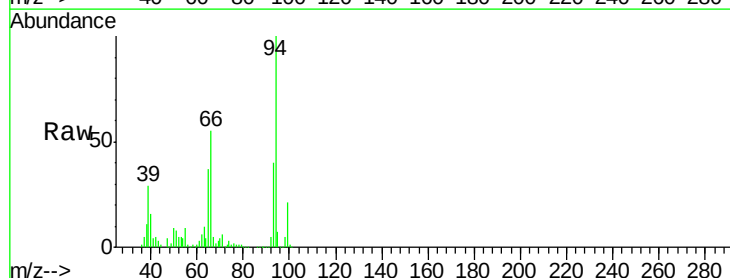
Tgt Ion: 94 Resp: 735855

Ion Ratio Lower Upper

94 100

65 36.8 9.4 49.4

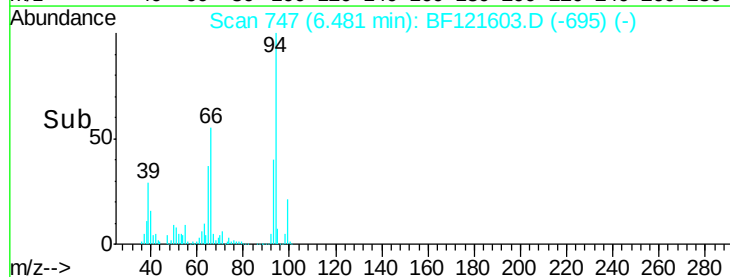
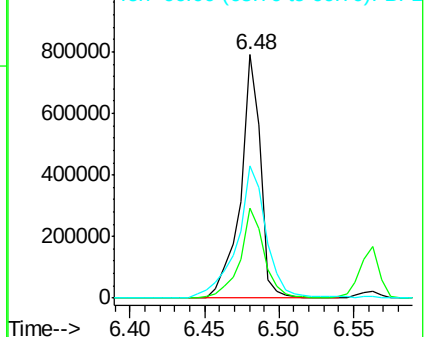
66 54.6 18.3 58.3

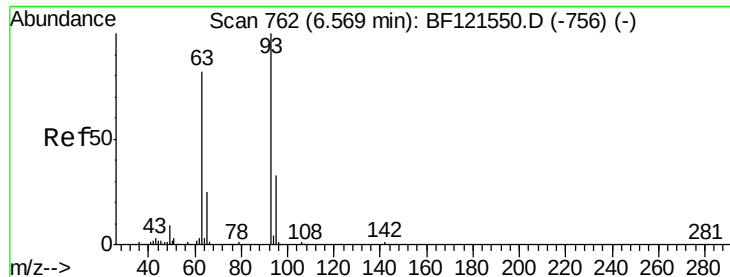


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

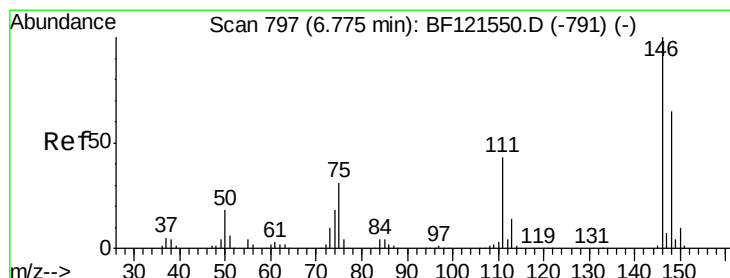
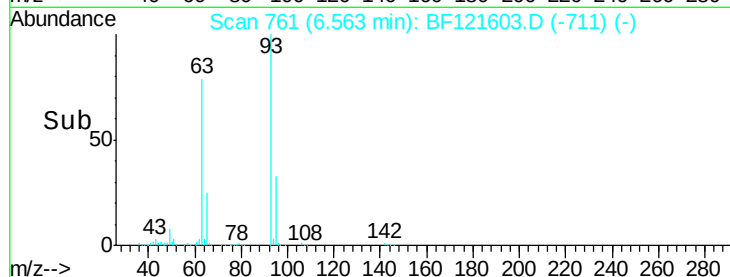
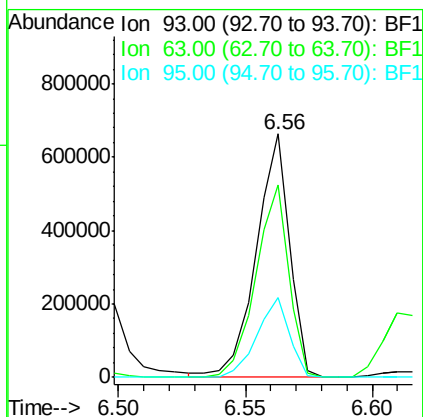
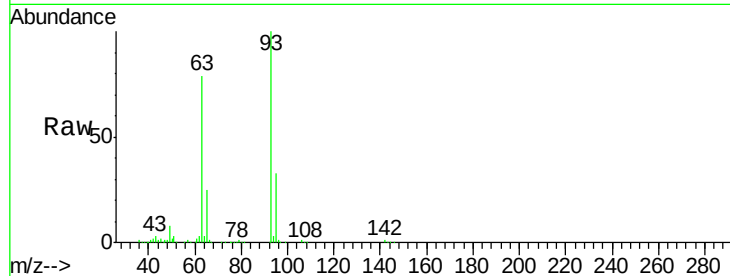




#11
bis(2-Chloroethyl)ether
Concen: 43.343 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

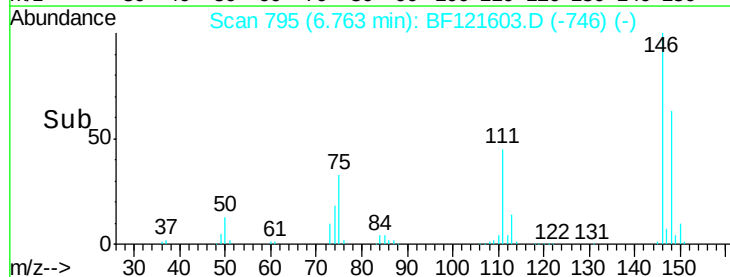
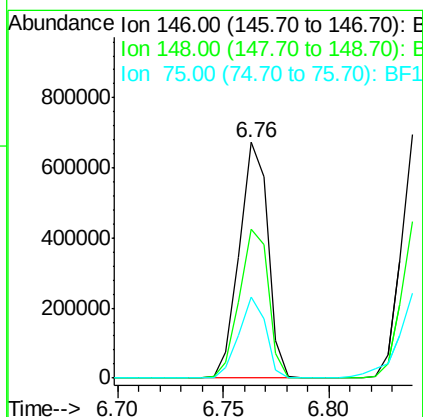
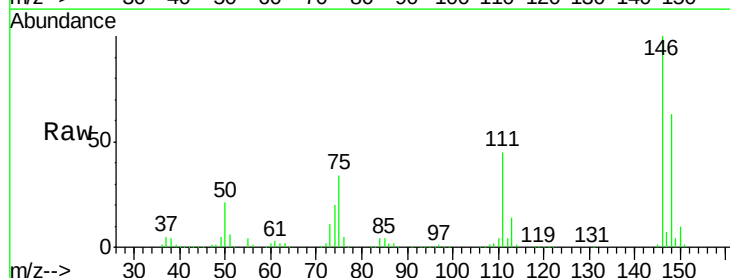
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

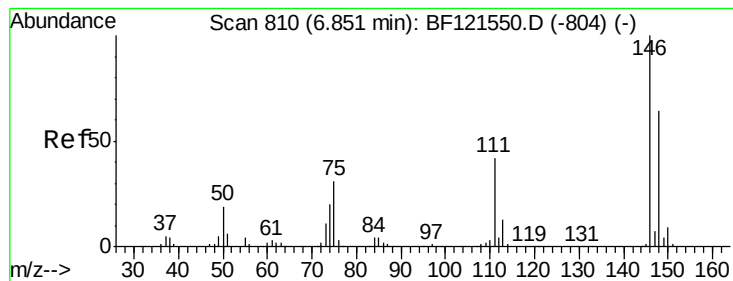
Tot Ion: 93 Resp: 612274
Ion Ratio Lower Upper
93 100
63 78.9 61.7 101.7
95 32.7 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 41.316 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion: 146 Resp: 629898
Ion Ratio Lower Upper
146 100
148 63.1 51.8 77.8
75 34.2 24.6 36.8





#13

1,4-Dichlorobenzene

Concen: 41.484 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

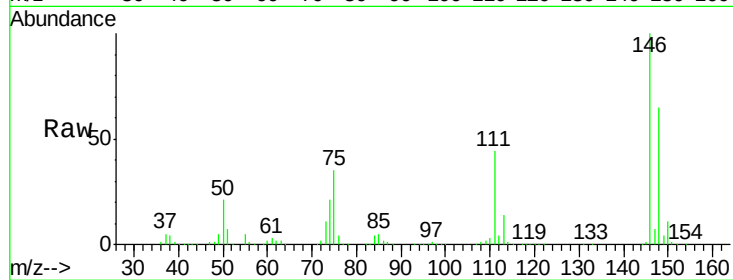
Tot Ion:146 Resp: 635057

Ion Ratio Lower Upper

146 100

148 64.5 51.2 76.8

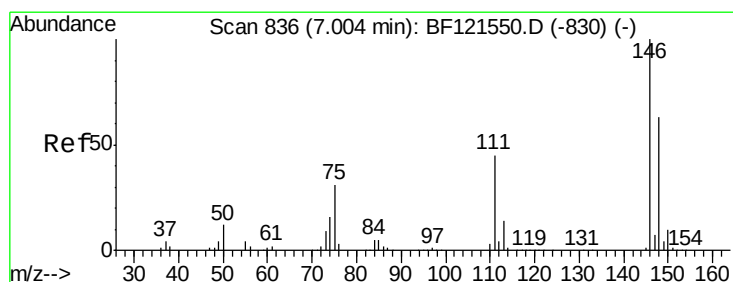
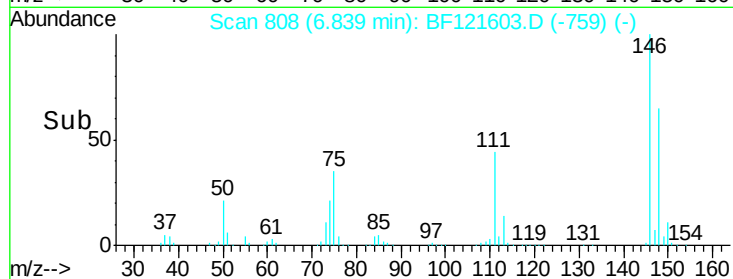
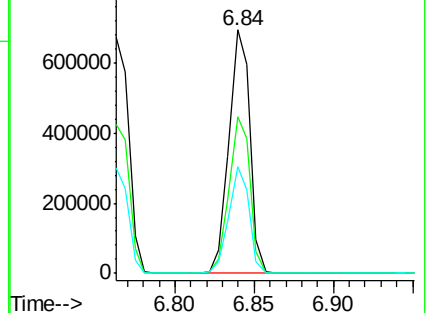
111 44.0 33.4 50.0



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: 43.786 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

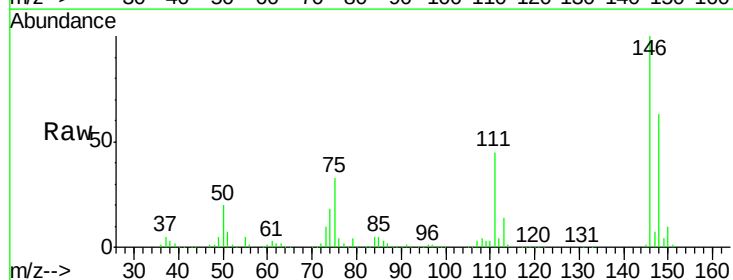
Tgt Ion:146 Resp: 617483

Ion Ratio Lower Upper

146 100

148 62.6 50.7 76.1

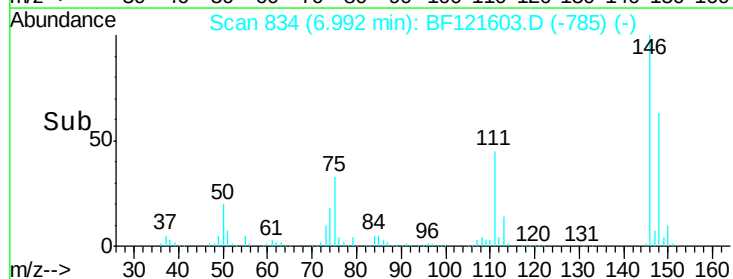
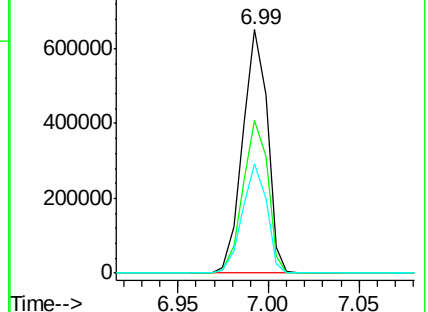
111 45.0 35.8 53.6

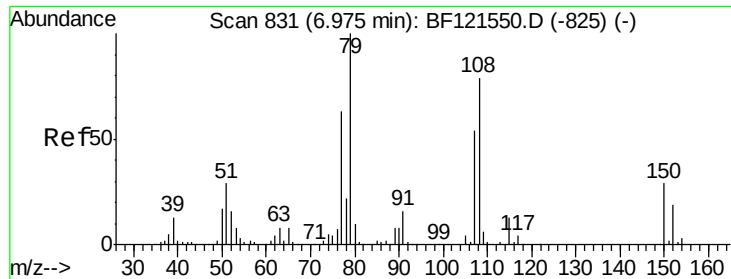


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

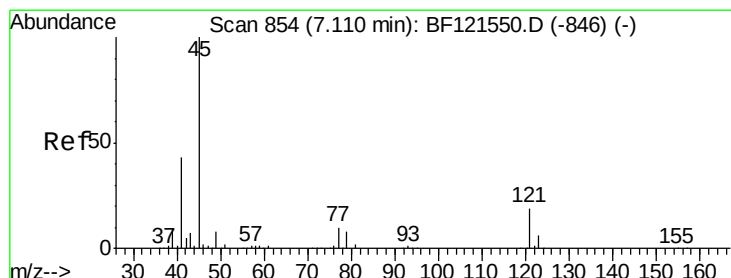
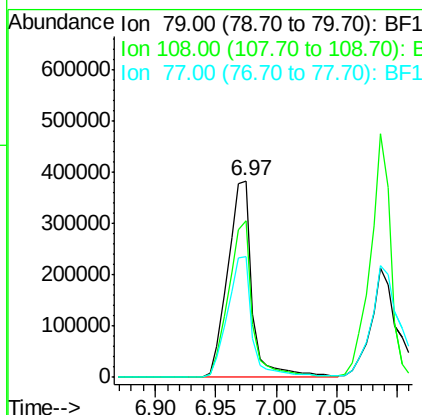
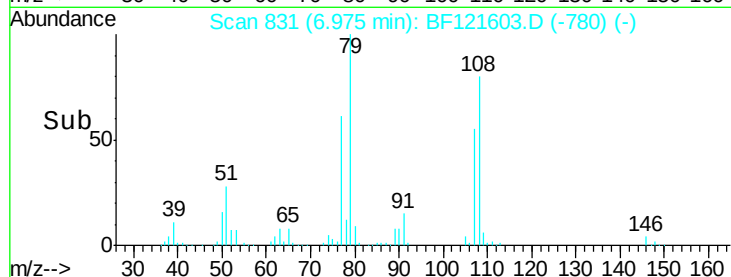
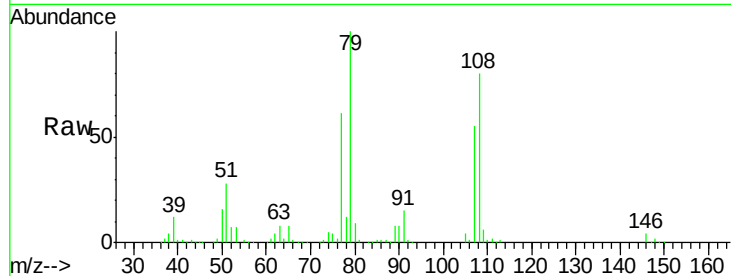




#15
Benzyl Alcohol
Concen: 45.446 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

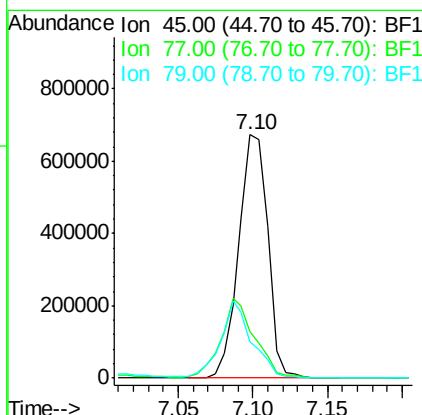
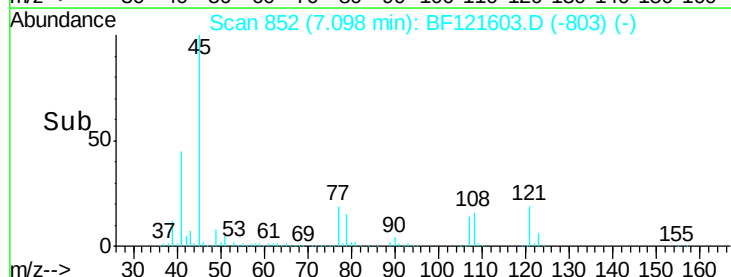
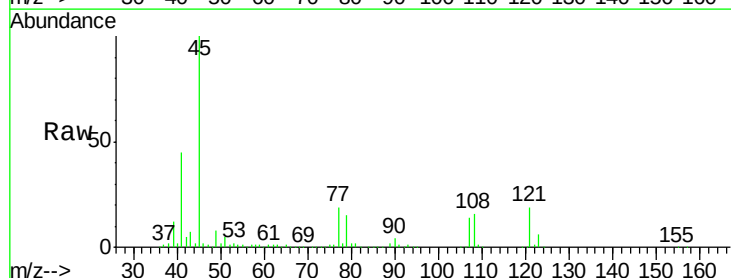
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

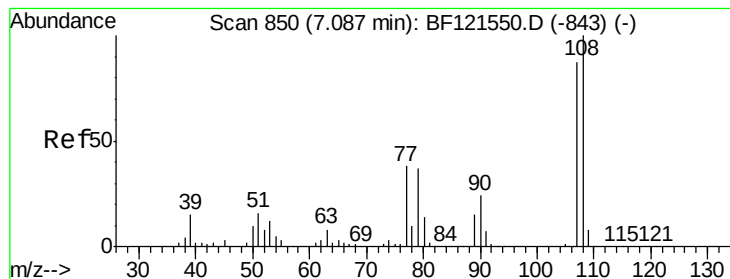
Tot Ion: 79 Resp: 543670
Ion Ratio Lower Upper
79 100
108 79.6 63.1 94.7
77 61.5 50.2 75.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.187 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion: 45 Resp: 913510
Ion Ratio Lower Upper
45 100
77 18.9 0.0 32.5
79 15.0 0.0 29.8





#17

2-Methylphenol

Concen: 42.429 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion:107 Resp: 493117

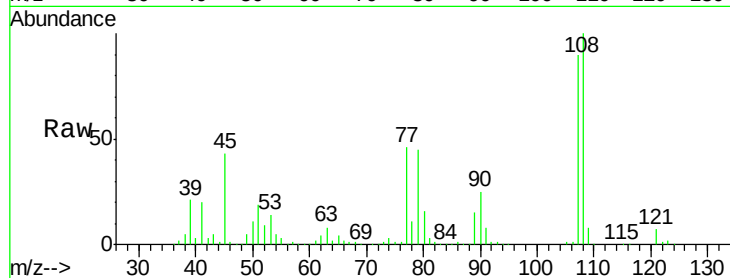
Ion Ratio Lower Upper

107 100

108 111.5 92.1 138.1

77 51.4 35.5 53.3

79 49.9 34.5 51.7

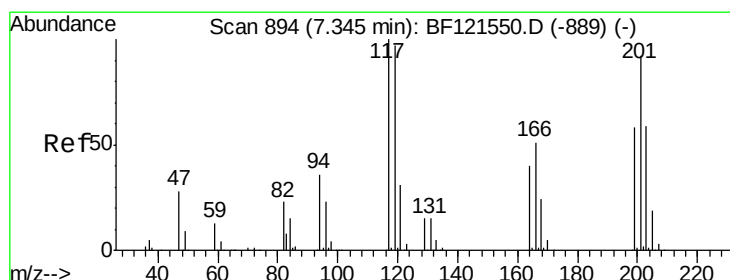
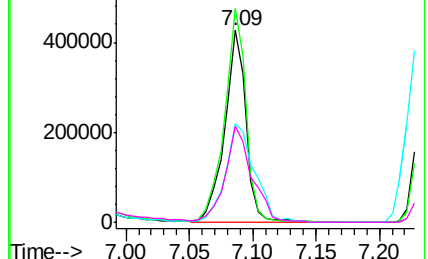
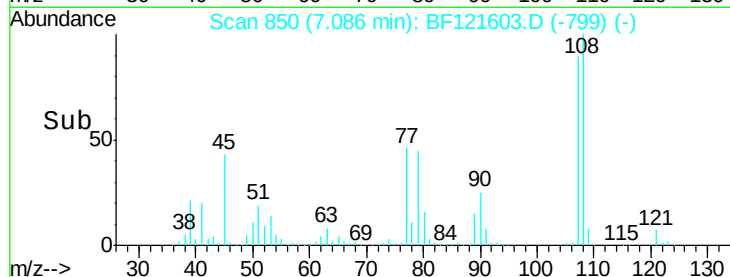


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 43.066 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

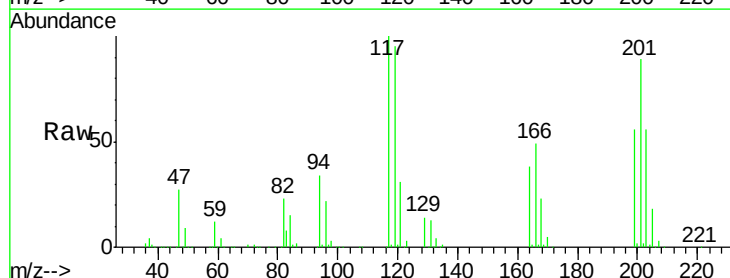
Tgt Ion:117 Resp: 236059

Ion Ratio Lower Upper

117 100

119 95.4 77.2 115.8

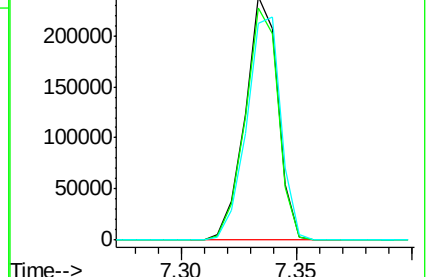
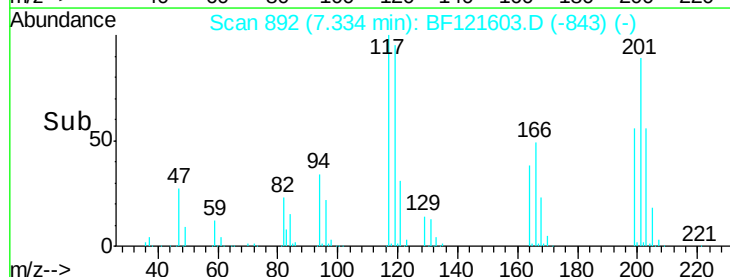
201 88.9 73.7 110.5

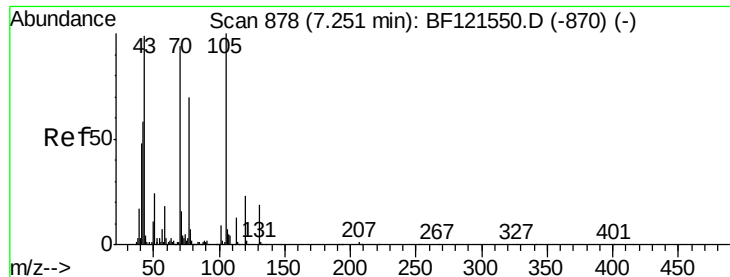


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

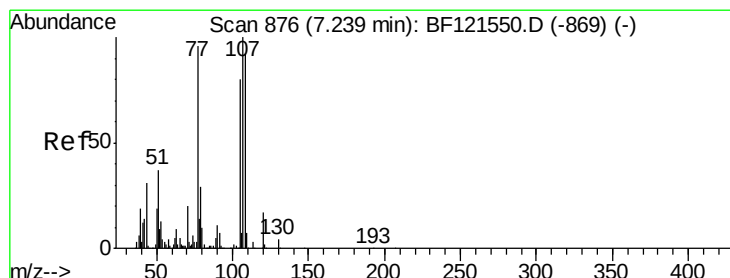
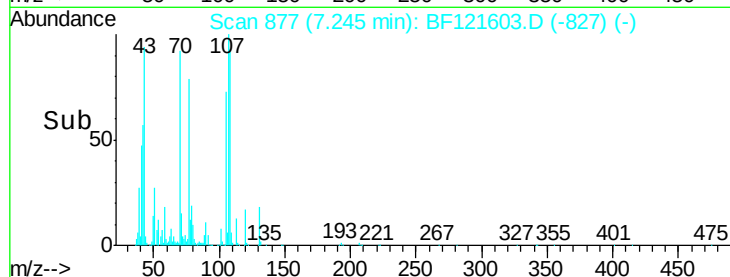
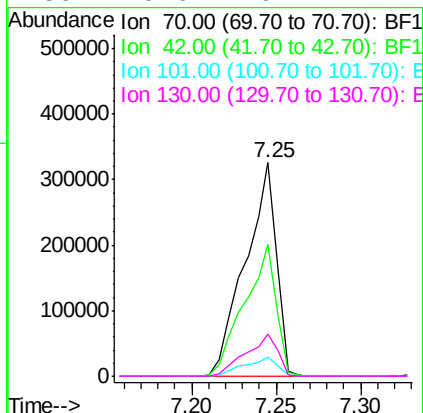
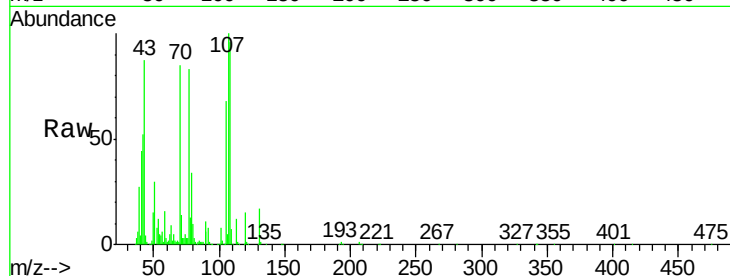




#19
n-Nitroso-di-n-propylamine
Concen: 41.481 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

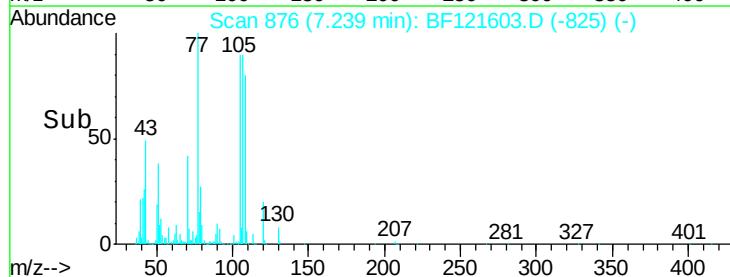
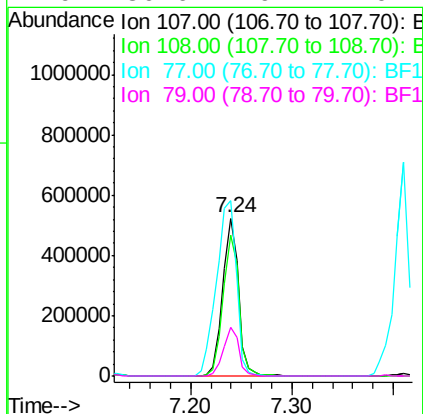
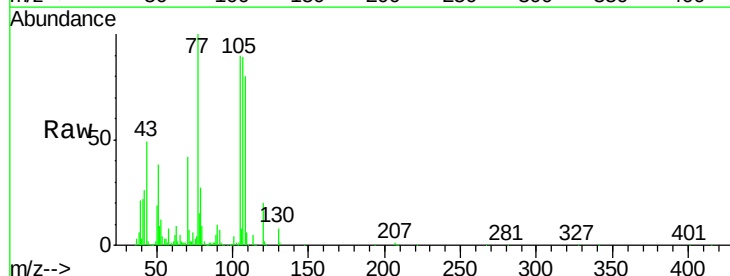
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

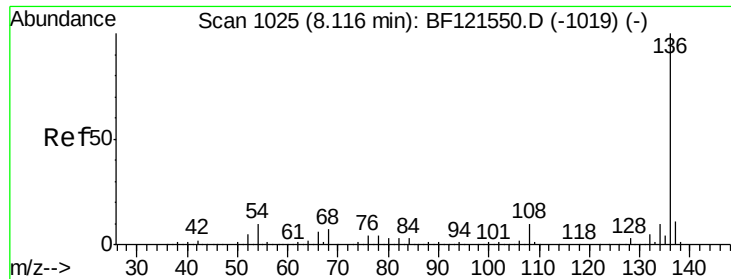
Tot Ion:	70	Resp:	420771
Ion	Ratio	Lower	Upper
70	100		
42	61.5	49.4	74.2
101	9.1	7.6	11.4
130	19.6	16.2	24.4



#20
3+4-Methylphenols
Concen: 40.430 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:	107	Resp:	564557
Ion	Ratio	Lower	Upper
107	100		
108	89.5	71.8	111.8
77	111.7	75.5	115.5
79	30.6	9.2	49.2

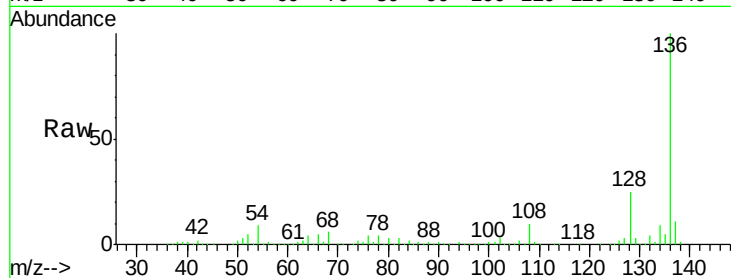




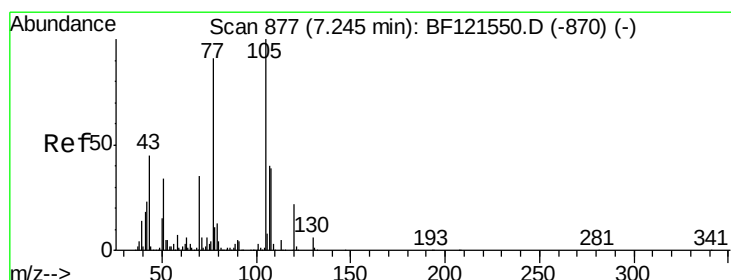
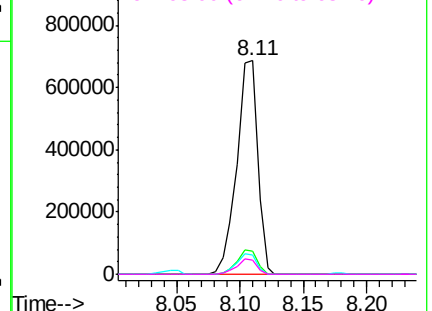
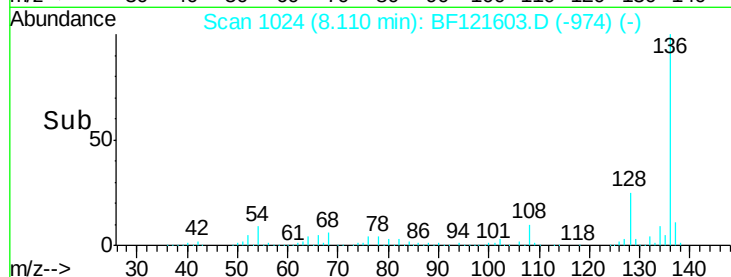
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:136	Resp:	779500
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.6
54	8.9	7.6 11.4
68	6.4	5.7 8.5

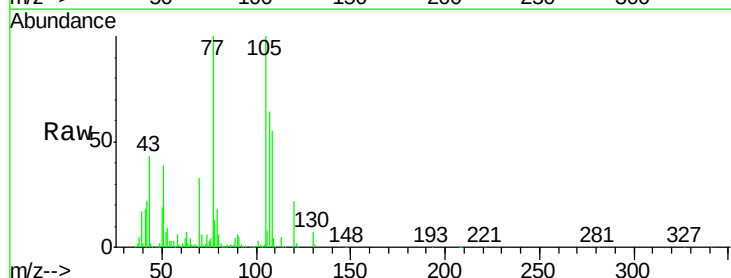


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

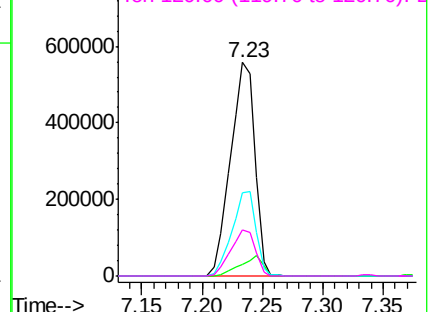
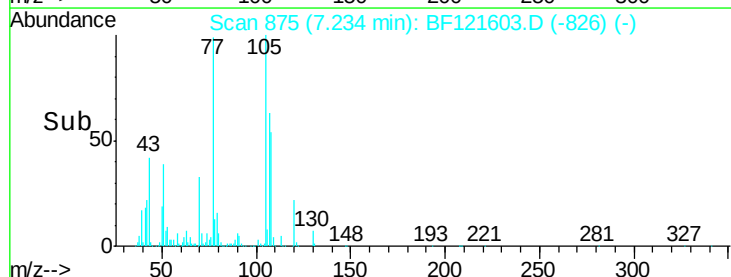


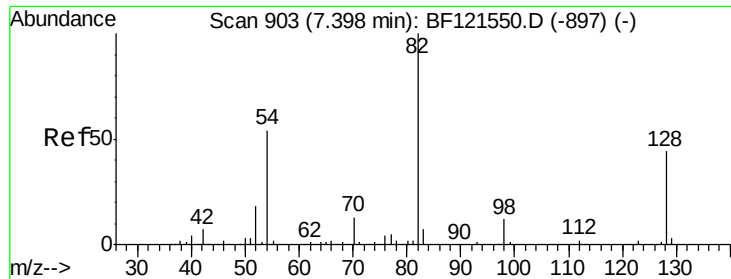
#22
Acetophenone
Concen: 39.538 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:105	Resp:	781953
Ion Ratio	Lower	Upper
105	100	
71	5.6	4.6 7.0
51	39.1	27.6 41.4
120	21.6	17.4 26.2



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E



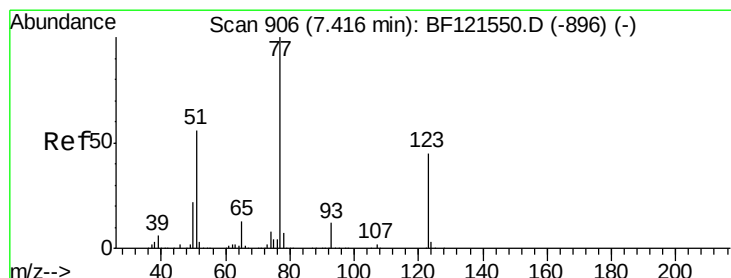
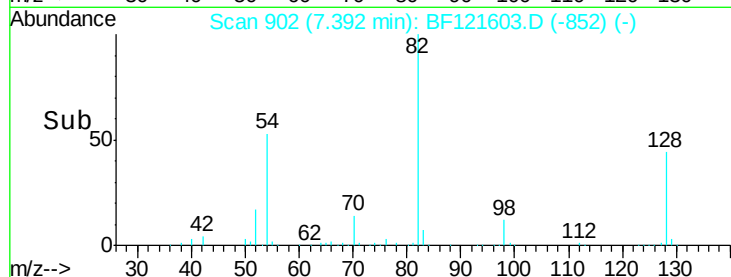
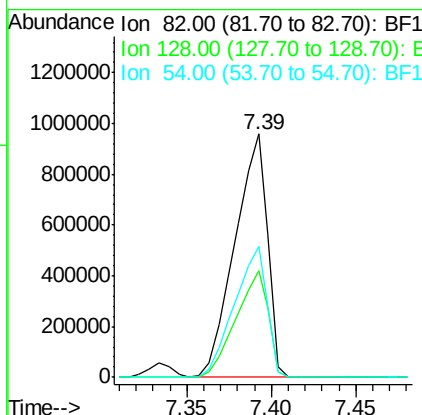
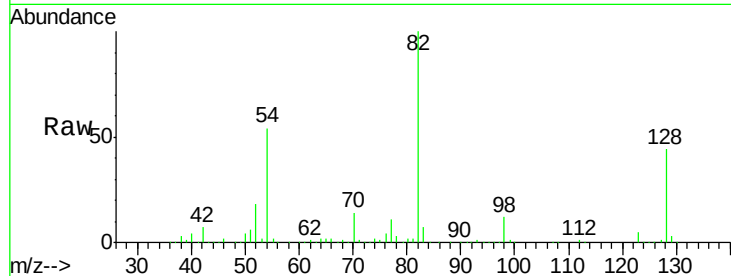


#23
 Nitrobenzene-d5
 Concen: 88.751 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion: 82 Resp: 1288497

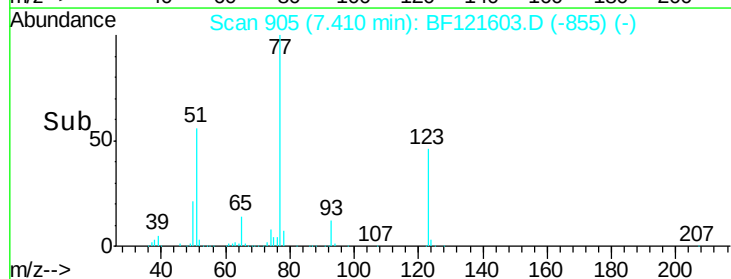
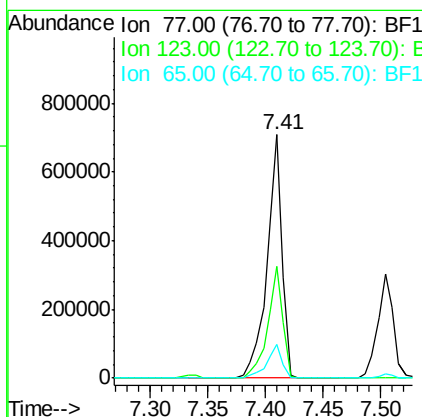
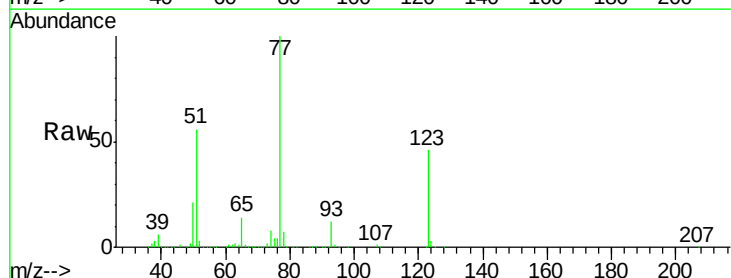
Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.1	52.7
54	53.7	43.0	64.6

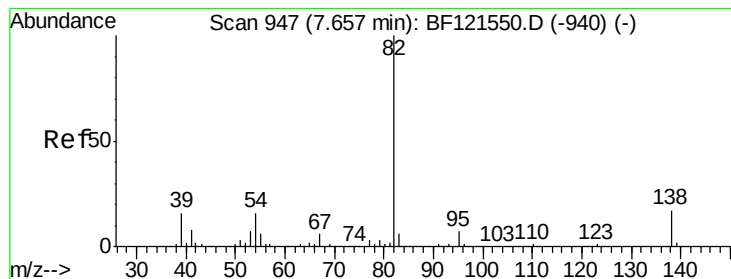


#24
 Nitrobenzene
 Concen: 41.349 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion: 77 Resp: 649270

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.8	53.8
65	13.8	10.7	16.1





#25

Isophorone

Concen: 40.758 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

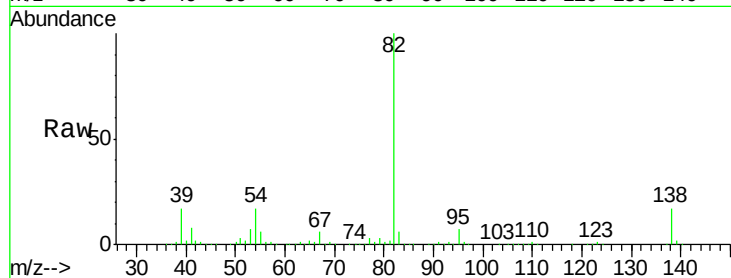
Tot Ion: 82 Resp: 1191152

Ion Ratio Lower Upper

82 100

95 7.1 5.3 7.9

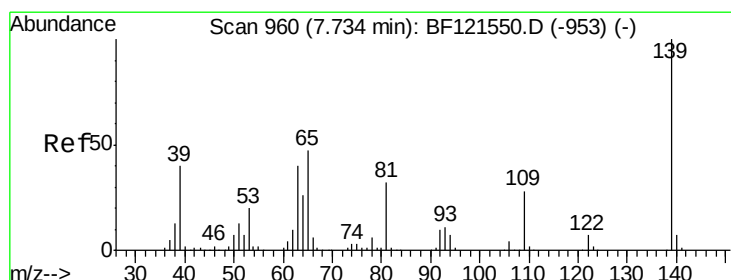
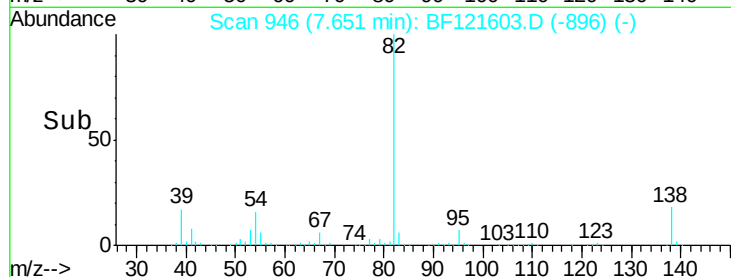
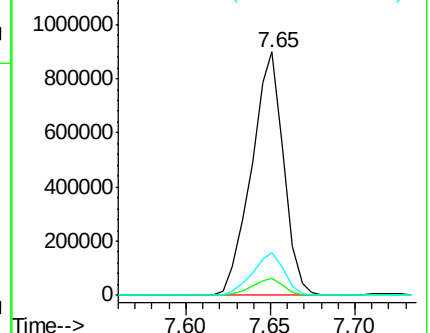
138 17.4 13.7 20.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 43.946 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

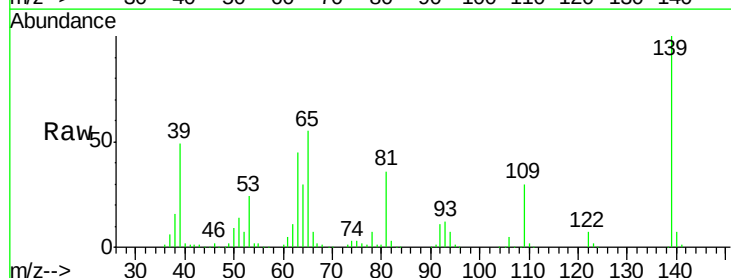
Tgt Ion: 139 Resp: 323163

Ion Ratio Lower Upper

139 100

109 29.8 22.4 33.6

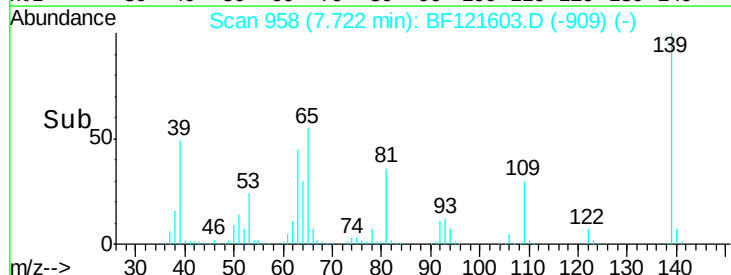
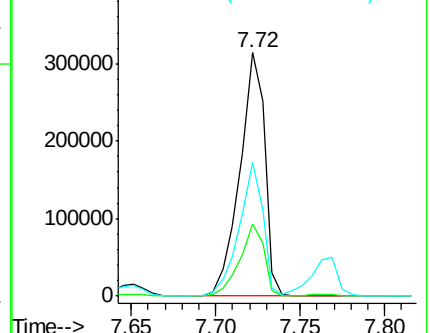
65 54.7 37.6 56.4

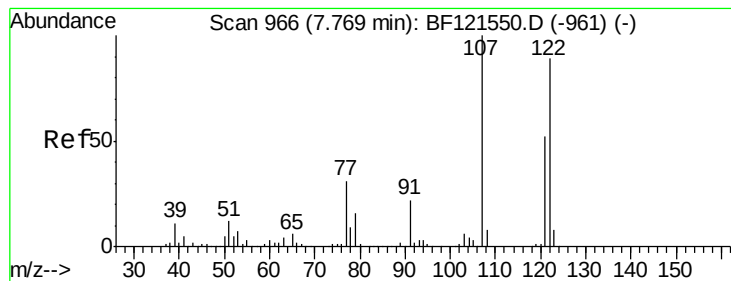


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

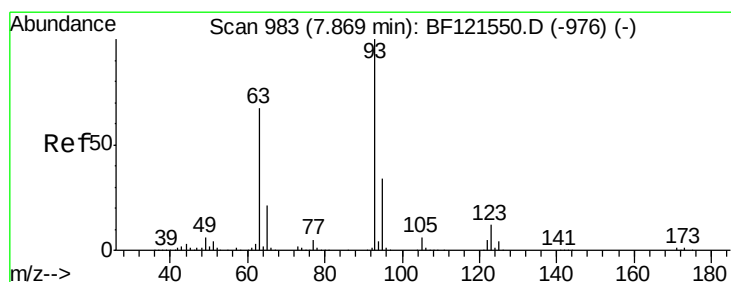
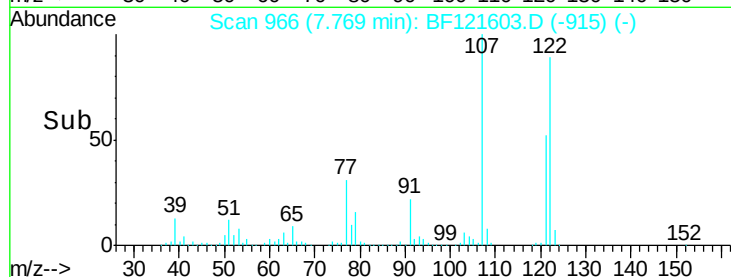
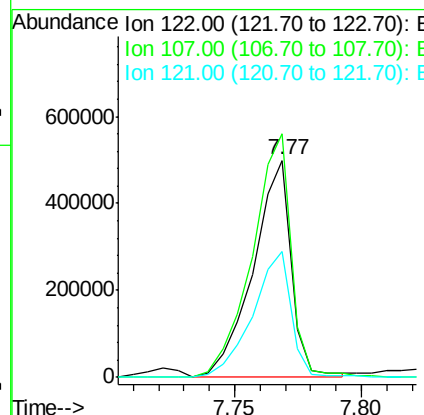
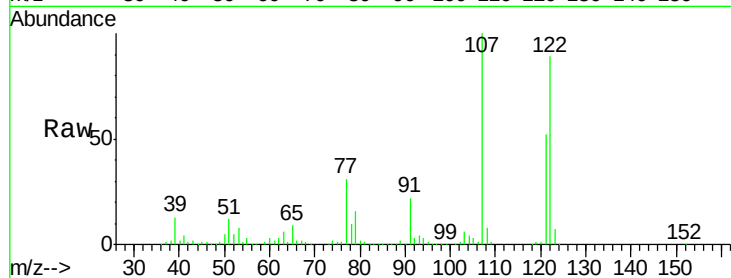




#27
 2,4-Dimethylphenol
 Concen: 40.394 ng
 RT: 7.77 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

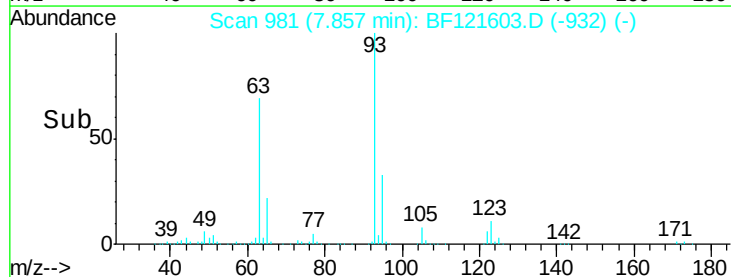
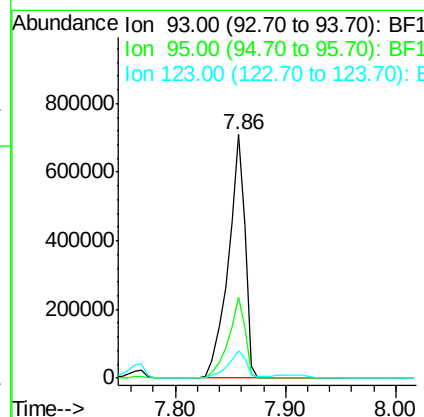
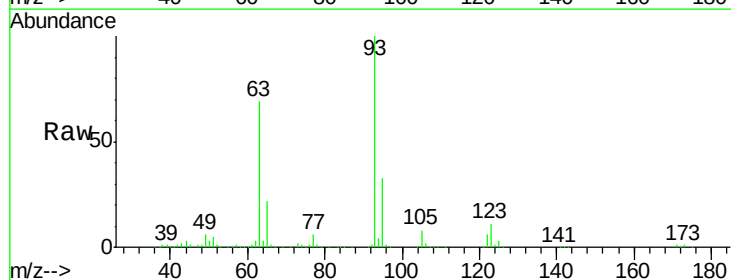
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

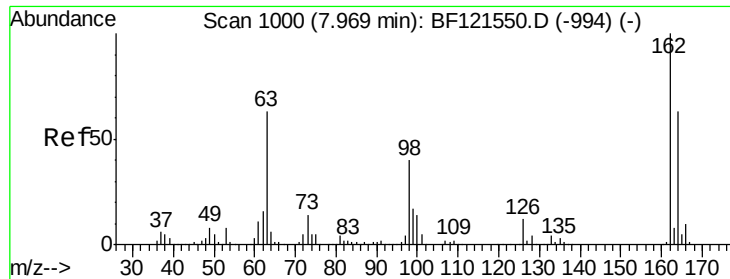
Tot Ion:122 Resp: 526958
 Ion Ratio Lower Upper
 122 100
 107 112.1 89.5 134.3
 121 58.2 46.6 70.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.488 ng
 RT: 7.86 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion: 93 Resp: 750622
 Ion Ratio Lower Upper
 93 100
 95 33.5 26.8 40.2
 123 11.3 9.7 14.5

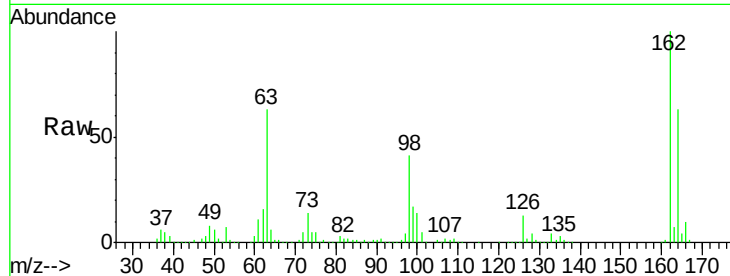




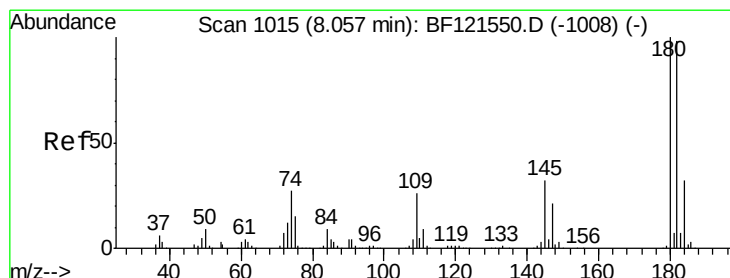
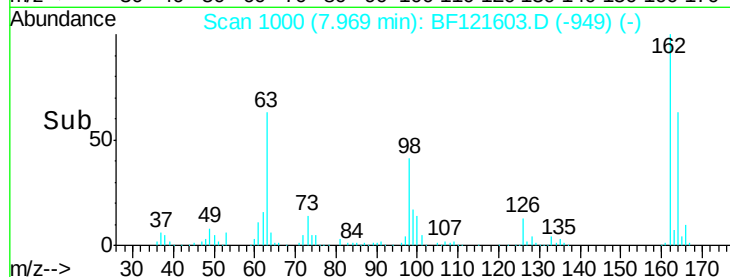
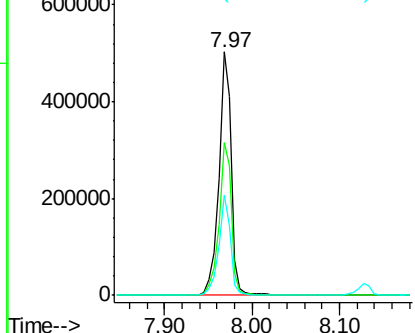
#29
 2,4-Dichlorophenol
 Concen: 41.571 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.5	83.5
98	41.1	20.2	60.2

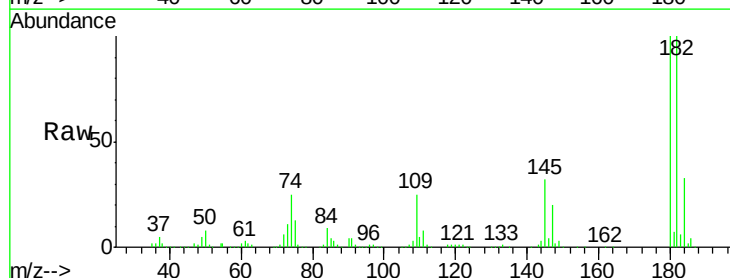


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

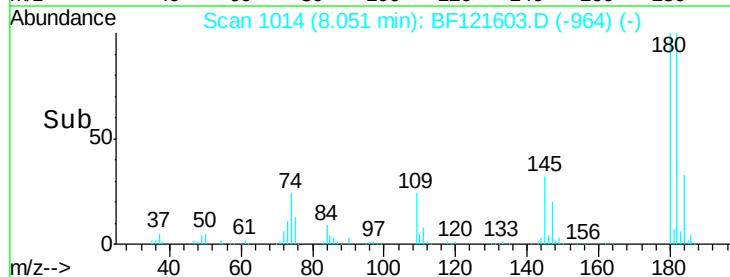
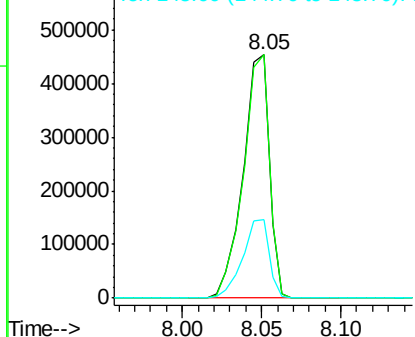


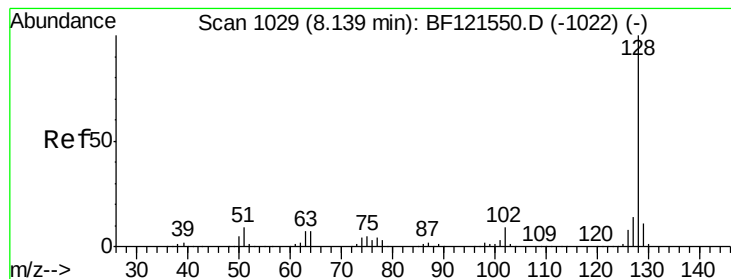
#30
 1,2,4-Trichlorobenzene
 Concen: 41.612 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	78.7	118.1
145	32.2	26.0	39.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.440 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

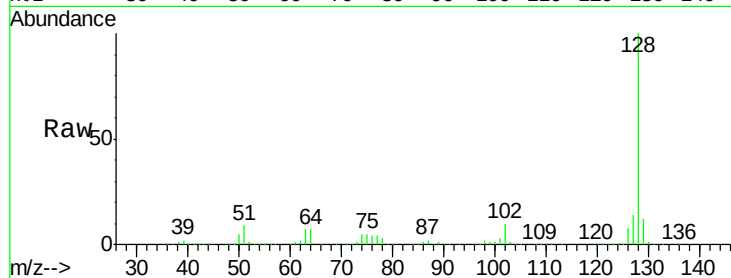
Tot Ion:128 Resp: 1664037

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

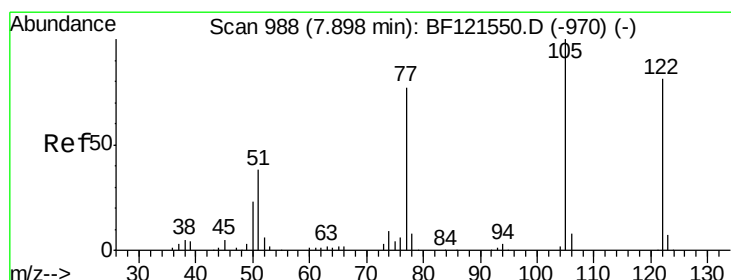
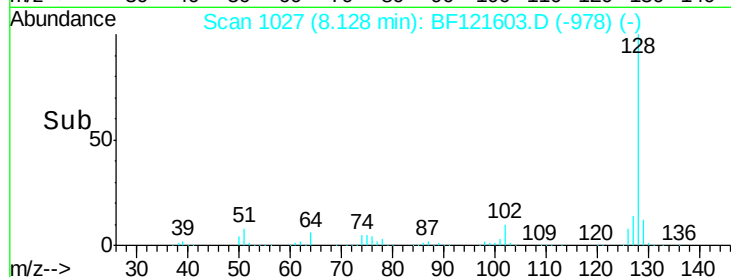
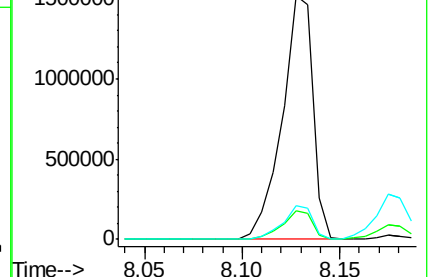
127 13.9 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 41.964 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

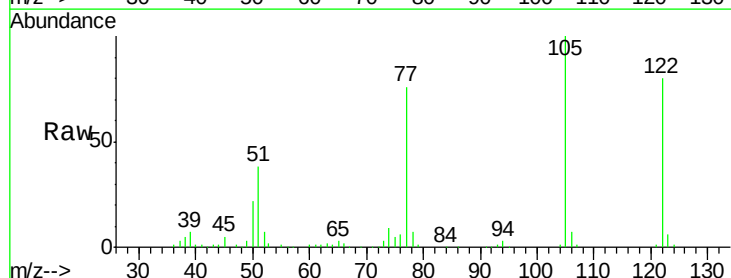
Tgt Ion:122 Resp: 398518

Ion Ratio Lower Upper

122 100

105 125.6 100.5 140.5

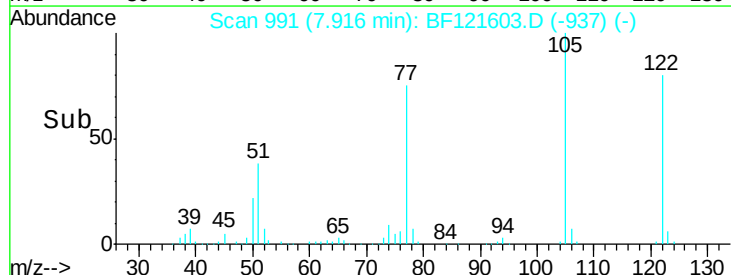
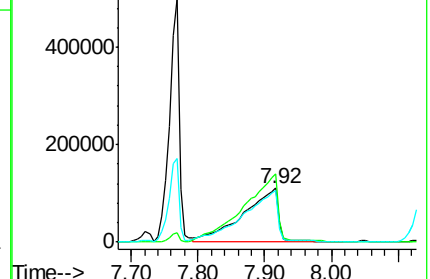
77 95.6 72.6 112.6

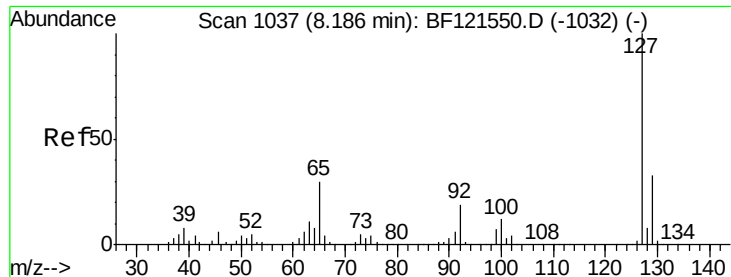


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

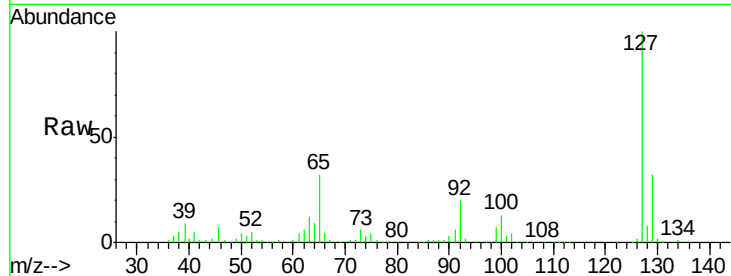




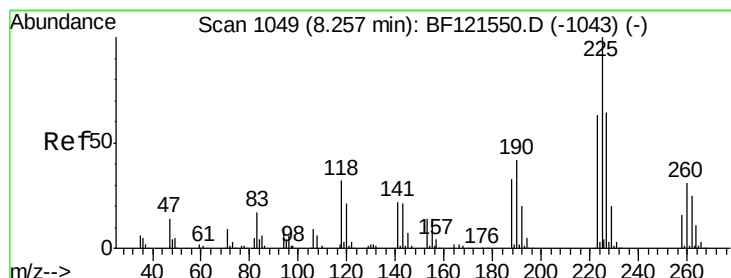
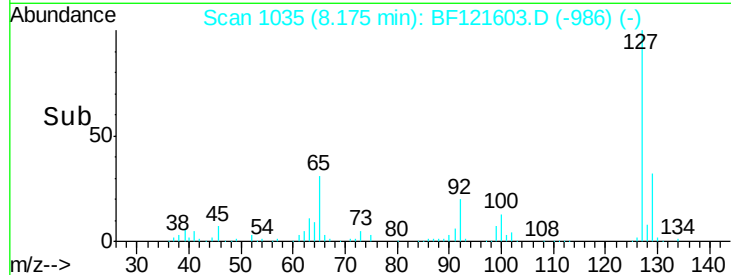
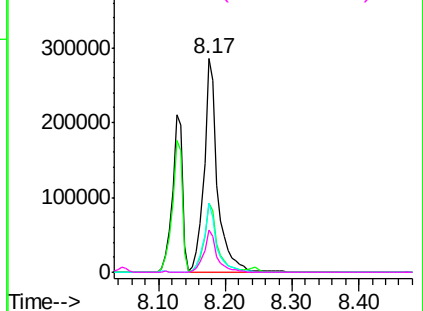
#33
4-Chloroaniline
Concen: 22.270 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:	127	Resp:	397228
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.4	39.6
65	32.4	24.4	36.6
92	19.7	15.4	23.2

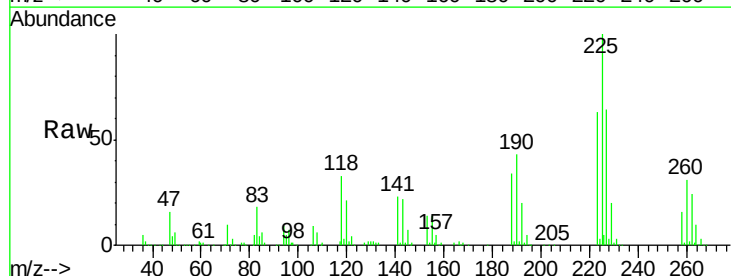


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

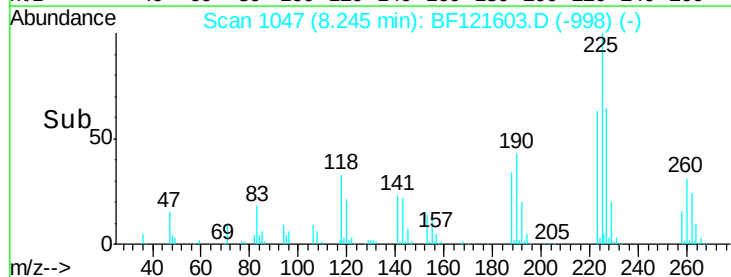
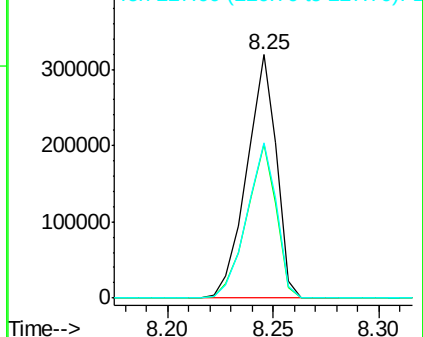


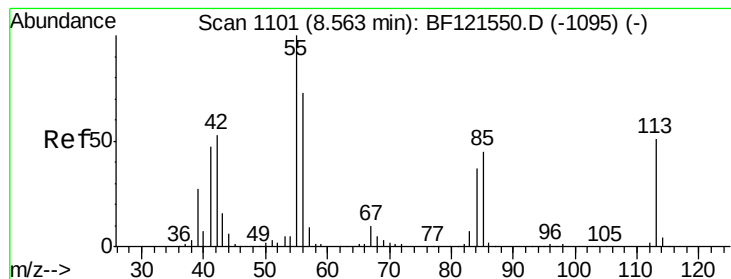
#34
Hexachlorobutadiene
Concen: 42.347 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:	225	Resp:	311048
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	64.0	51.0	76.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 29.338 ng

RT: 8.56 min Scan# 1101

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

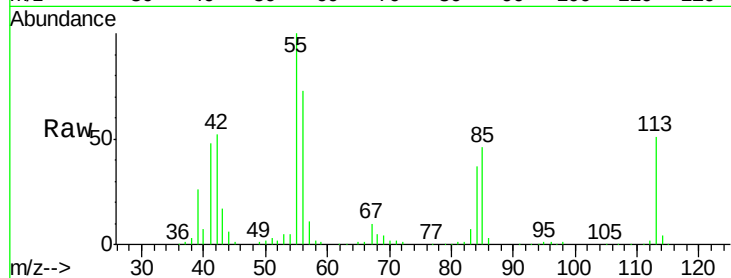
Tot Ion:113 Resp: 116086

Ion Ratio Lower Upper

113 100

55 195.1 176.2 216.2

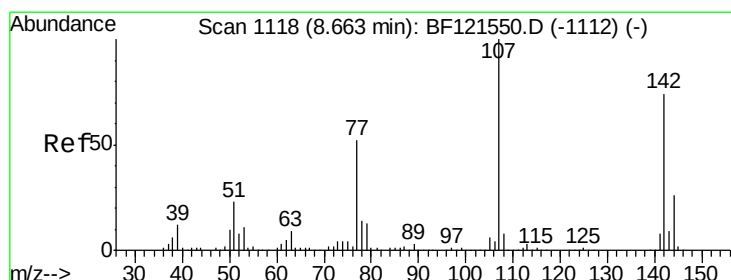
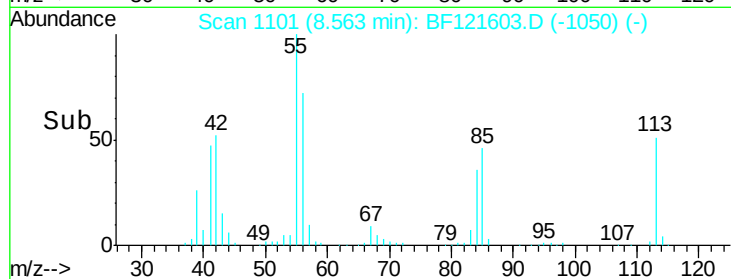
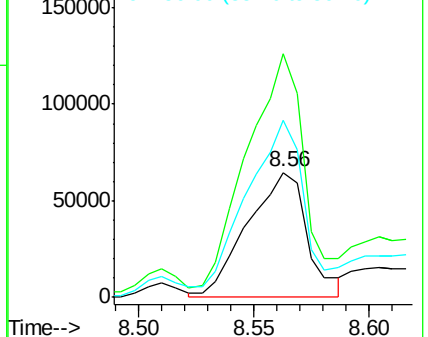
56 141.5 123.9 163.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 41.963 ng

RT: 8.67 min Scan# 1119

Delta R.T. 0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

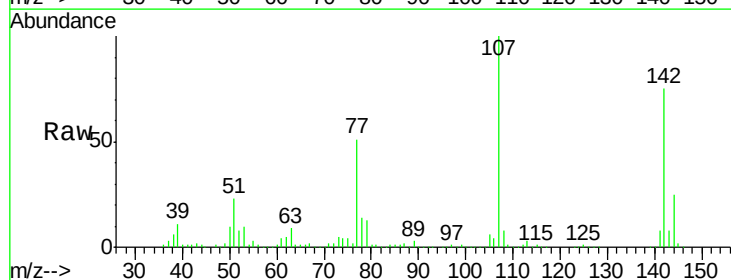
Tgt Ion:107 Resp: 537118

Ion Ratio Lower Upper

107 100

144 25.1 20.5 30.7

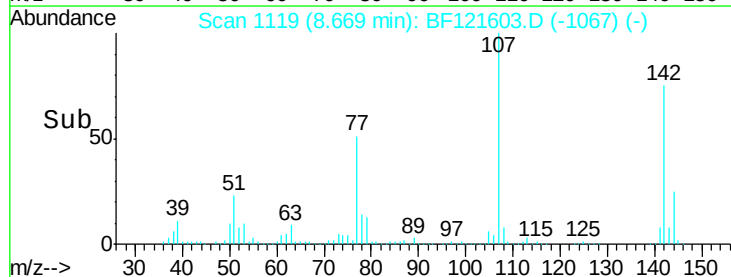
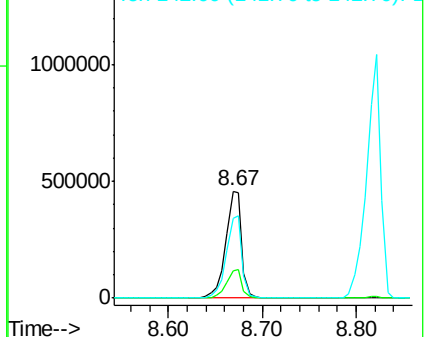
142 74.7 59.5 89.3

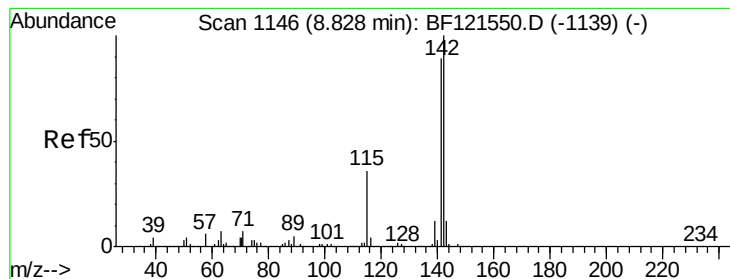


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 40.463 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

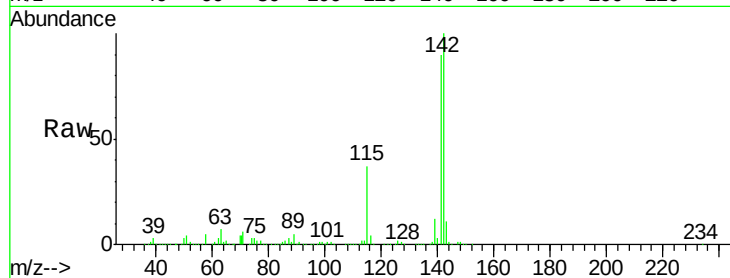
Tot Ion:142 Resp: 1091136

Ion Ratio Lower Upper

142 100

141 90.1 71.5 107.3

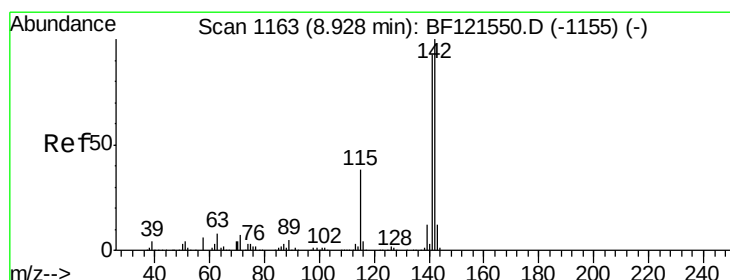
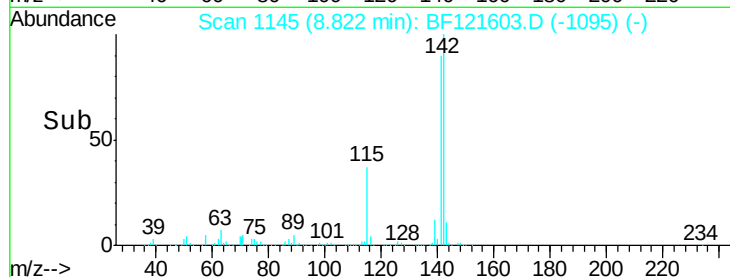
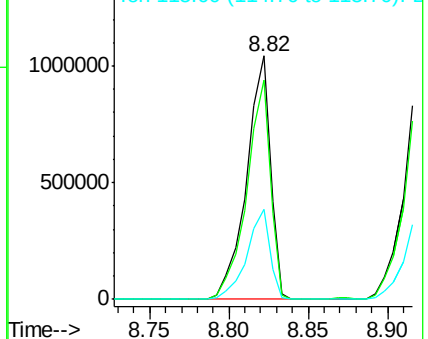
115 36.8 28.7 43.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 40.319 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

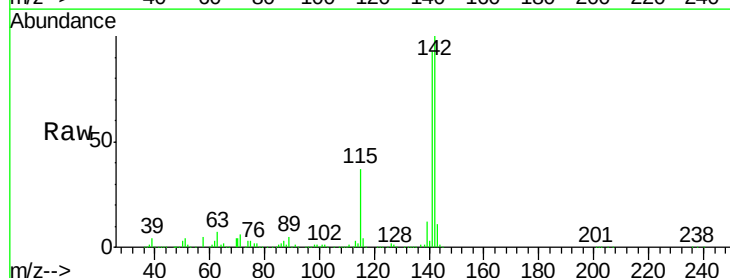
Tgt Ion:142 Resp: 1011876

Ion Ratio Lower Upper

142 100

141 92.6 74.8 112.2

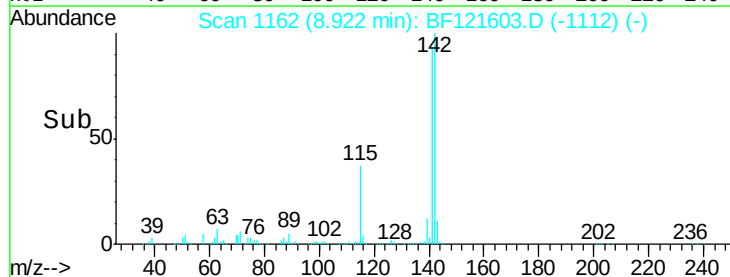
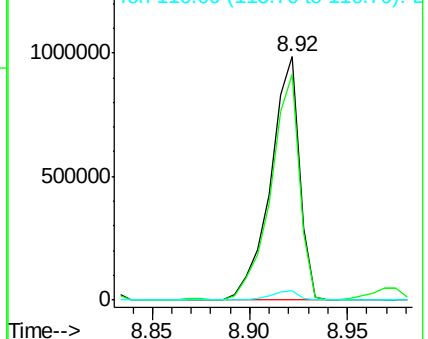
116 3.9 3.0 4.6

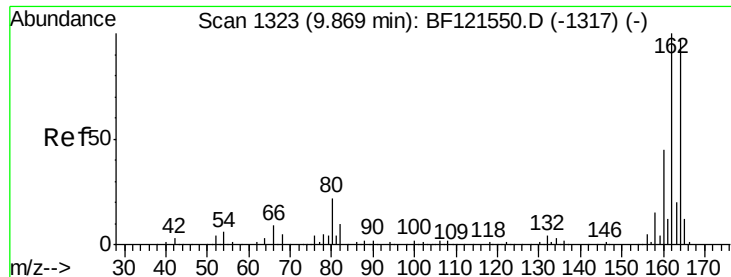


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

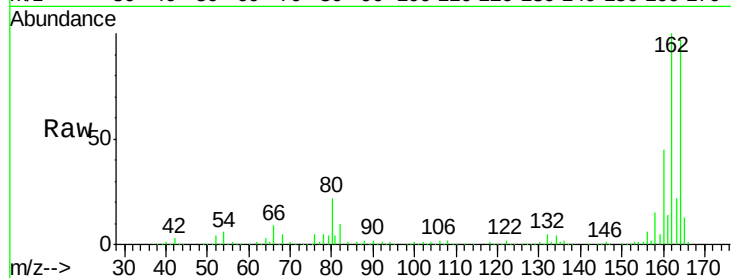
Tot Ion:164 Resp: 399269

Ion Ratio Lower Upper

164 100

162 102.7 82.3 123.5

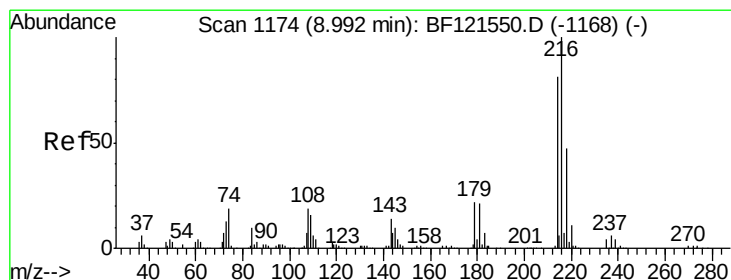
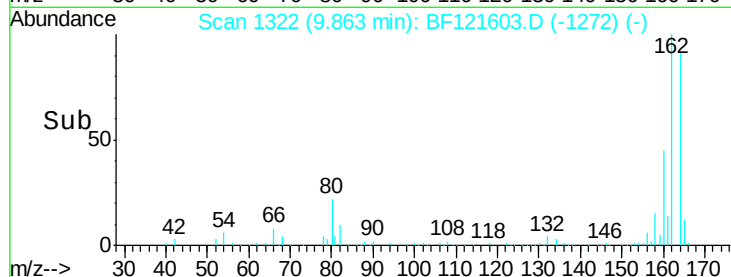
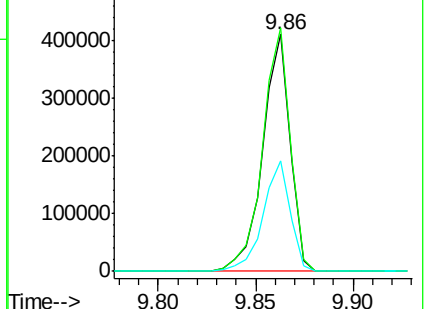
160 46.4 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.332 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:216 Resp: 503019

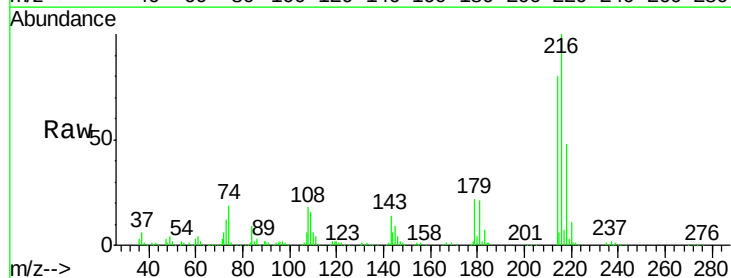
Ion Ratio Lower Upper

216 100

214 80.1 63.8 95.8

179 20.9 16.6 25.0

108 20.6 15.8 23.6

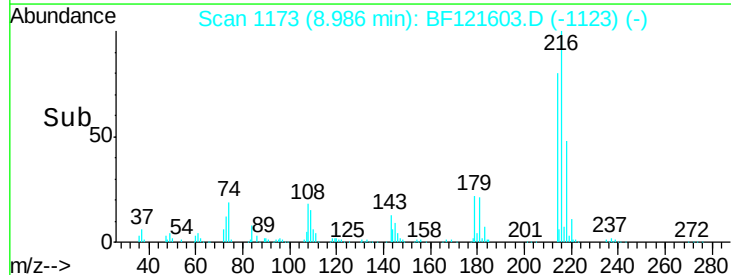
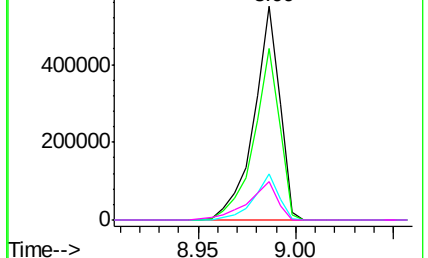


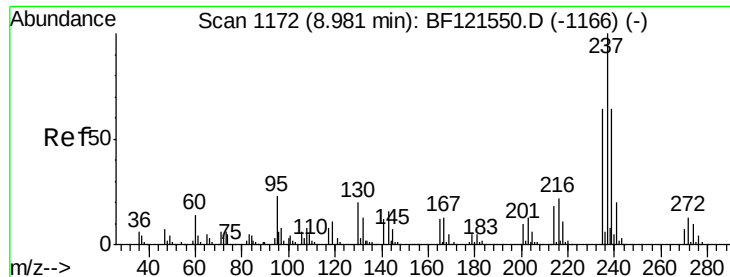
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

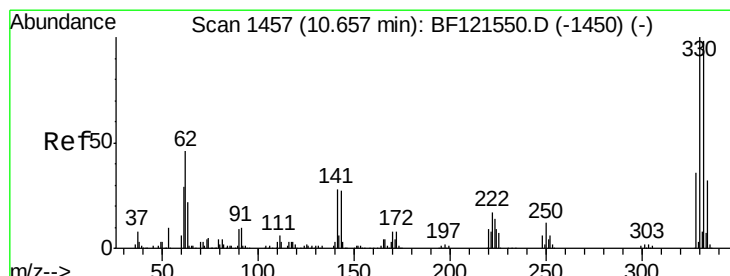
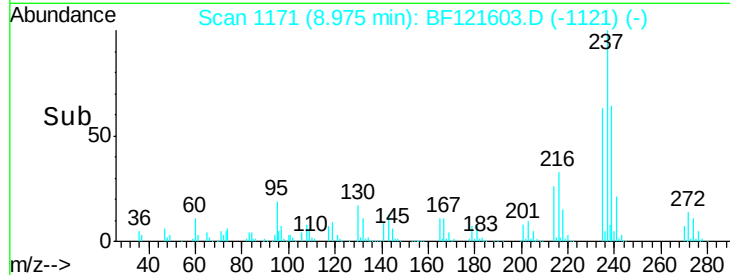
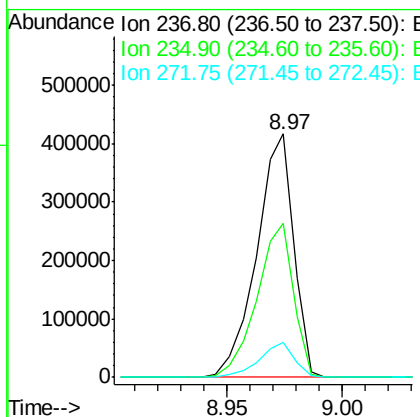
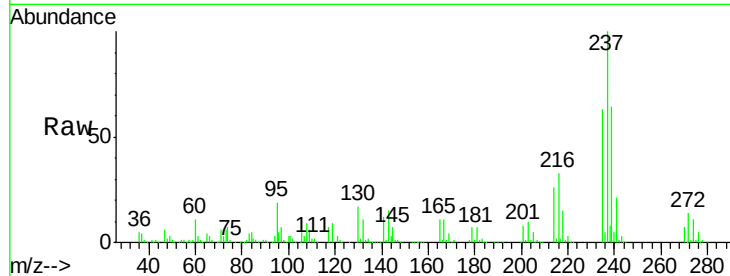




#41
Hexachlorocyclopentadiene
Concen: 65.062 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

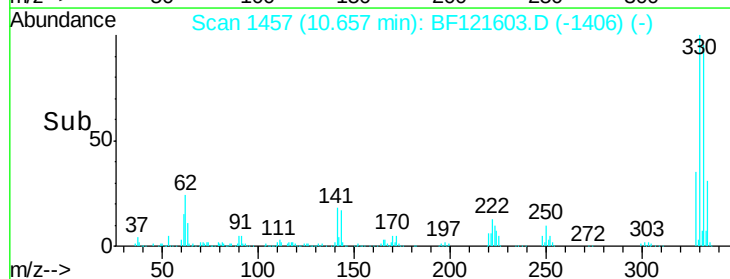
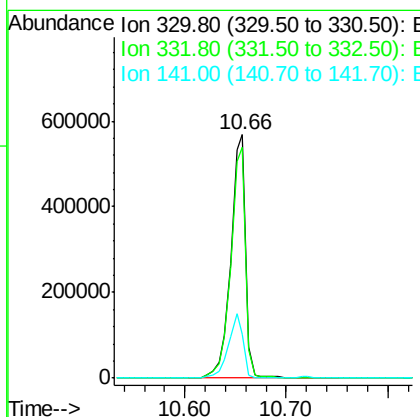
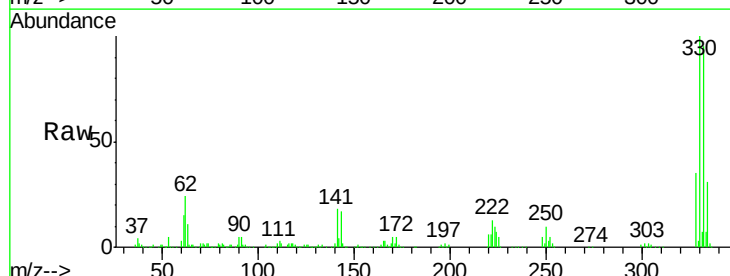
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

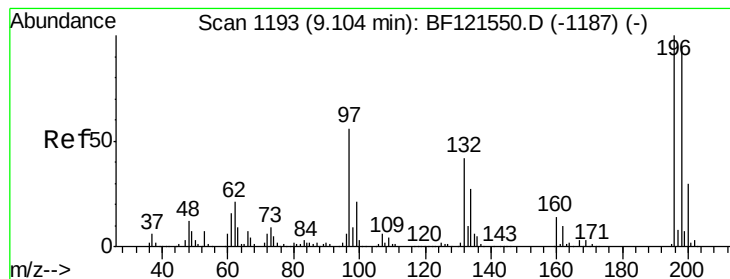
Tot Ion:237 Resp: 463392
Ion Ratio Lower Upper
237 100
235 63.0 44.0 84.0
272 14.3 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 115.925 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:330 Resp: 575266
Ion Ratio Lower Upper
330 100
332 95.4 77.1 115.7
141 26.7 23.6 35.4





#43

2,4,6-Trichlorophenol

Concen: 42.615 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

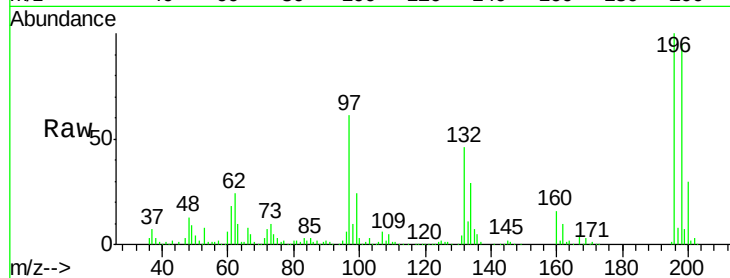
Tot Ion:196 Resp: 362266

Ion Ratio Lower Upper

196 100

198 94.8 75.6 113.4

200 29.6 24.0 36.0

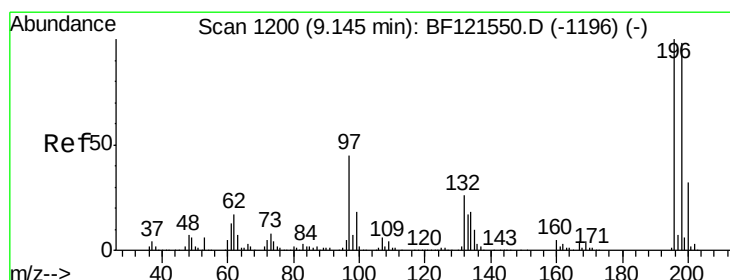
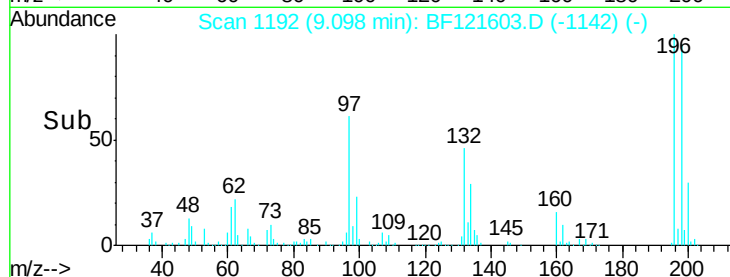
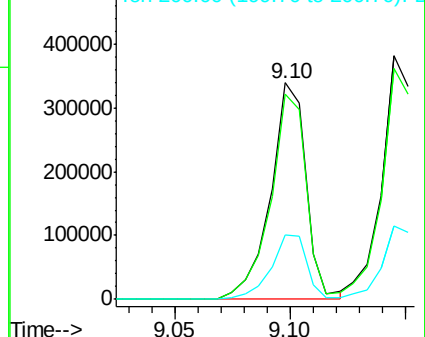


Abundance

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: 41.705 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:196 Resp: 374797

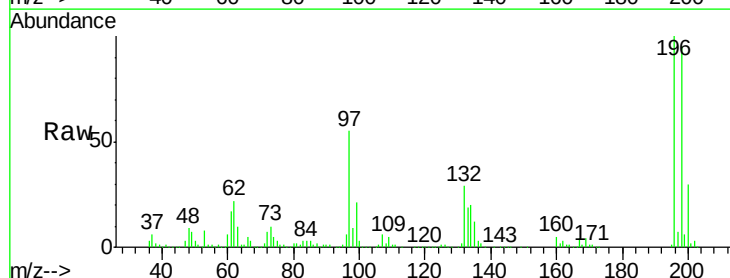
Ion Ratio Lower Upper

196 100

198 94.7 78.1 117.1

97 54.7 36.8 55.2

132 28.7 20.9 31.3



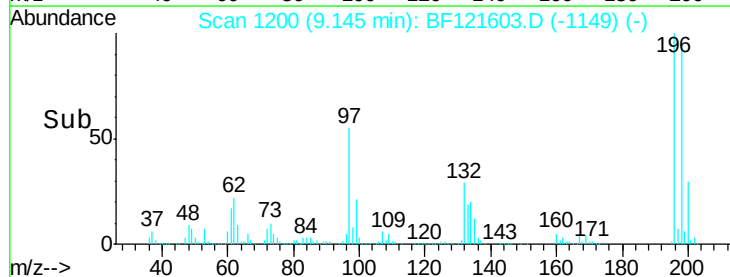
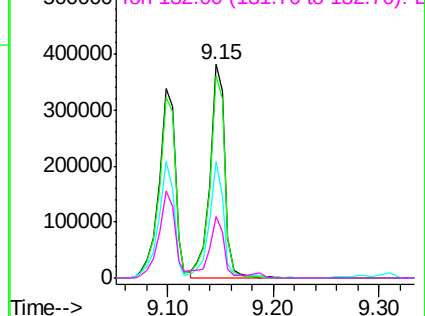
Abundance

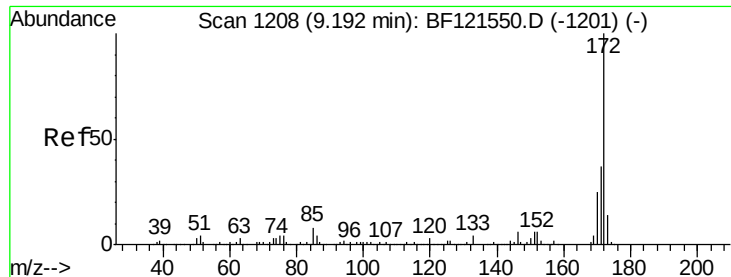
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

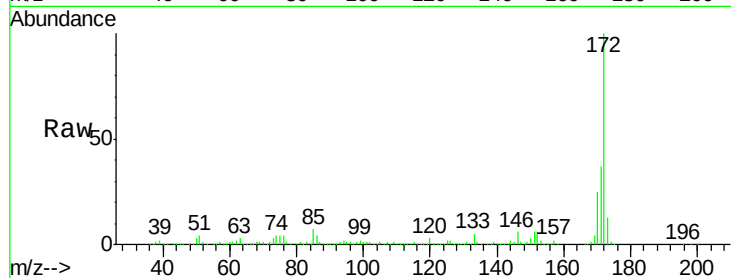




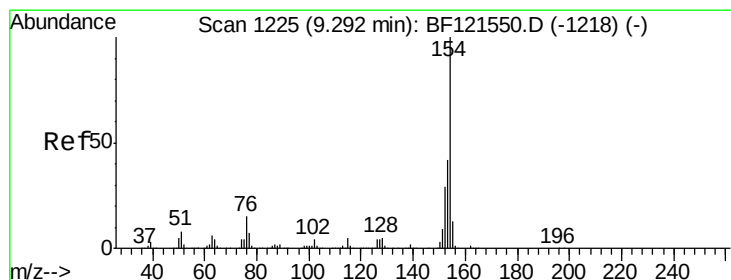
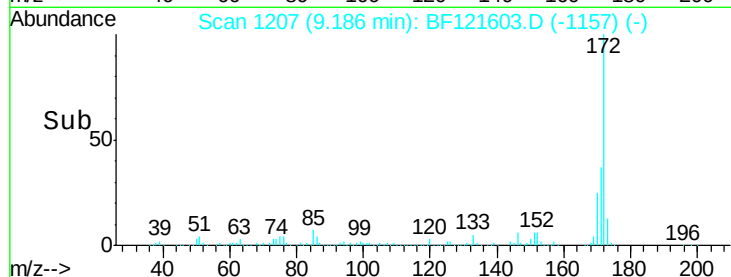
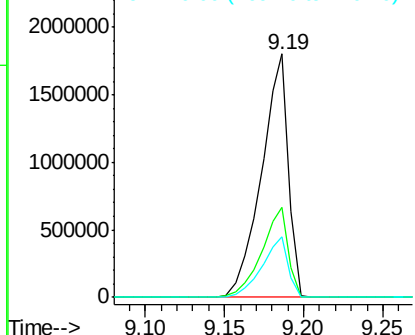
#45
2-Fluorobiphenyl
Concen: 80.701 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:172 Resp: 2127478
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 24.9 19.8 29.8

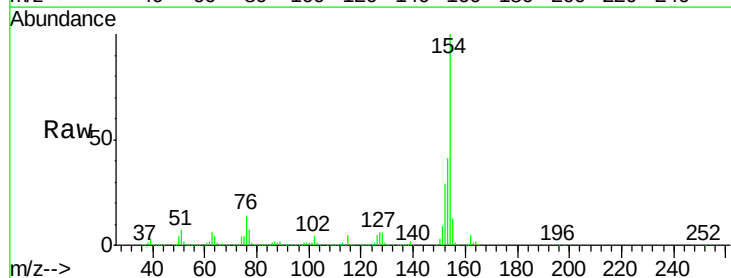


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

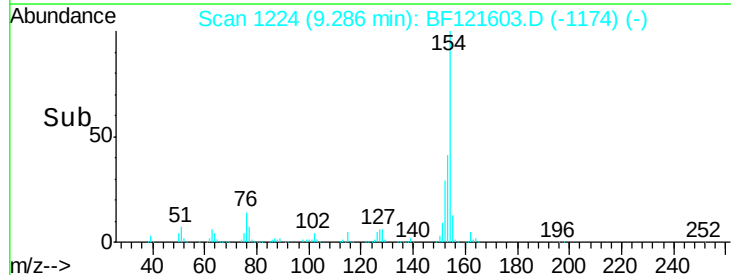
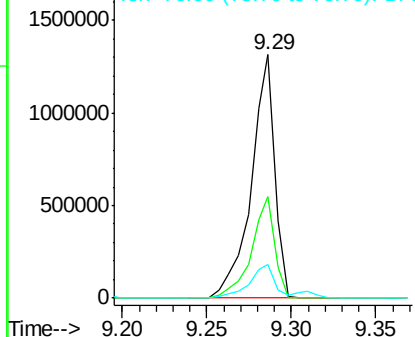


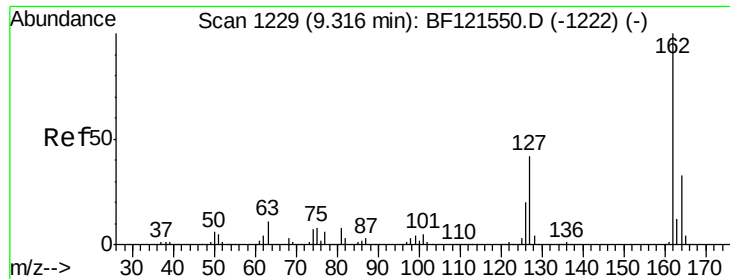
#46
1,1'-Biphenyl
Concen: 40.014 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:154 Resp: 1279015
Ion Ratio Lower Upper
154 100
153 41.4 21.7 61.7
76 14.0 0.0 35.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

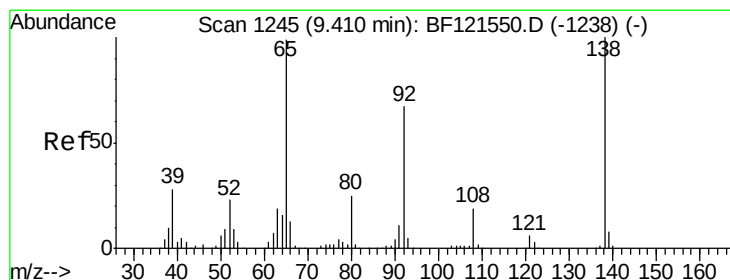
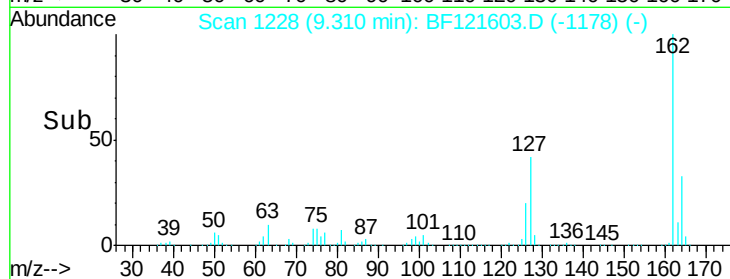
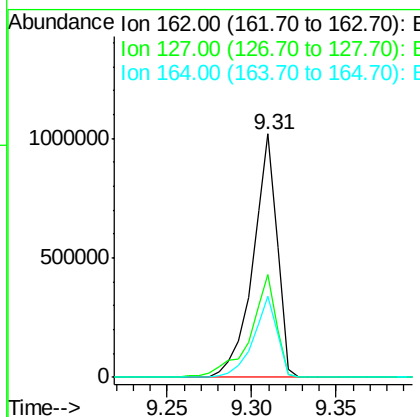
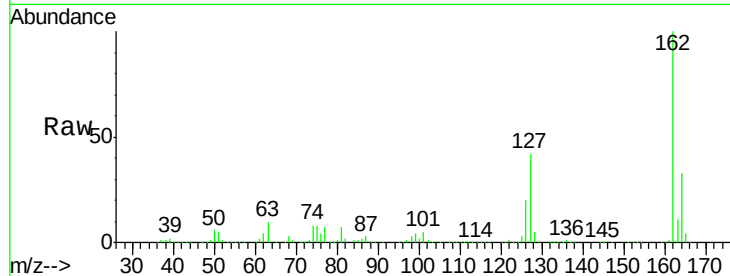




#47
2-Chloronaphthalene
Concen: 40.249 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

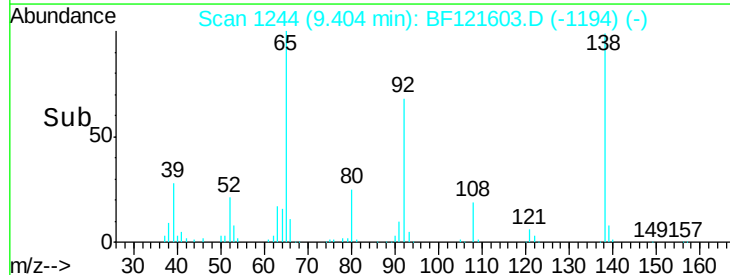
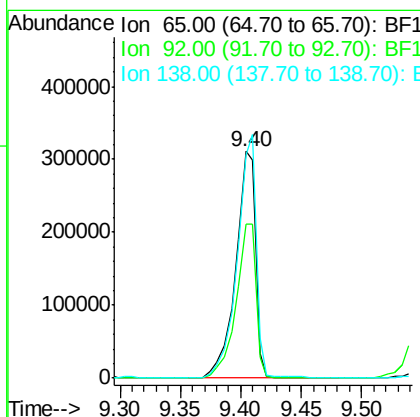
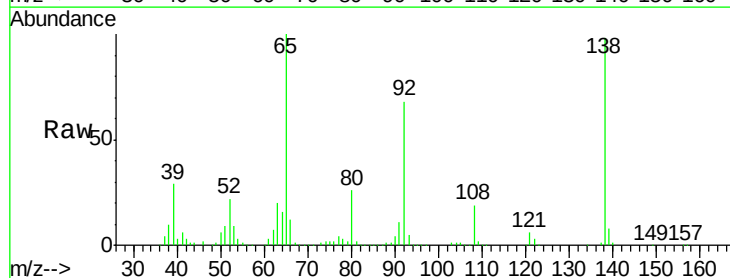
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

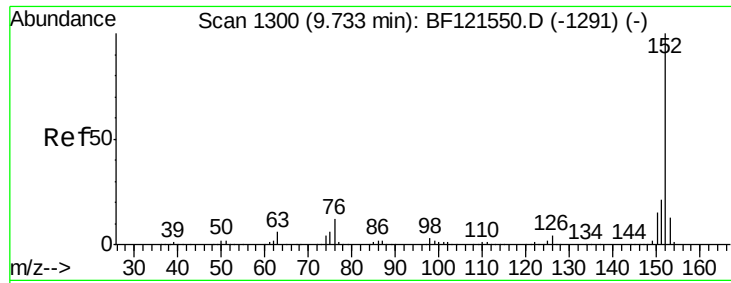
Tot Ion:162 Resp: 1013812
Ion Ratio Lower Upper
162 100
127 42.2 33.9 50.9
164 33.3 26.7 40.1



#48
2-Nitroaniline
Concen: 45.562 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion: 65 Resp: 356626
Ion Ratio Lower Upper
65 100
92 68.1 54.2 81.4
138 98.3 80.8 121.2





#49

Acenaphthylene

Concen: 40.447 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

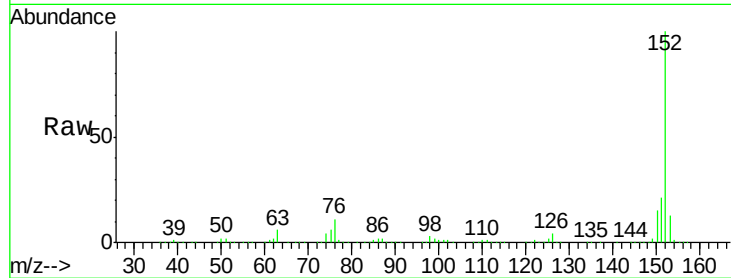
Tot Ion:152 Resp: 1565354

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

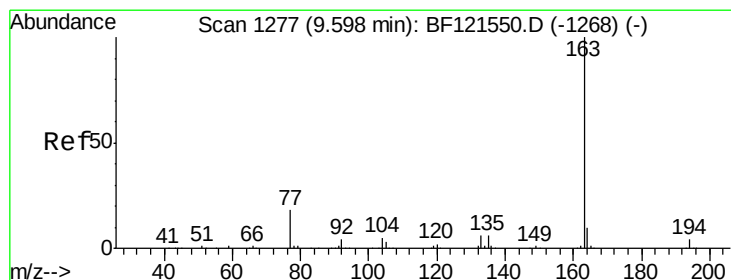
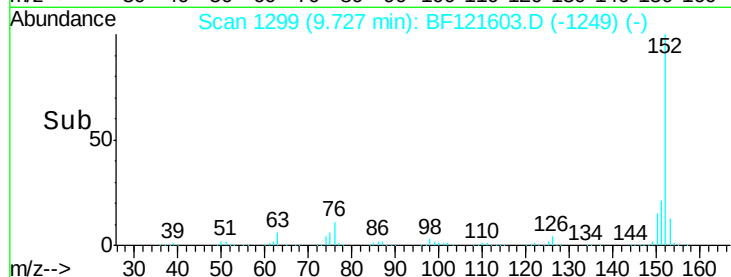
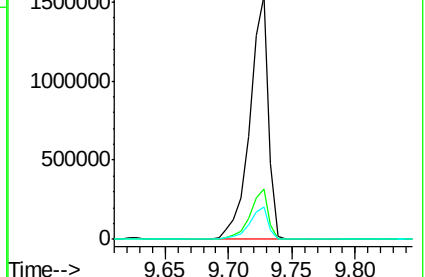
153 13.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 49.577 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

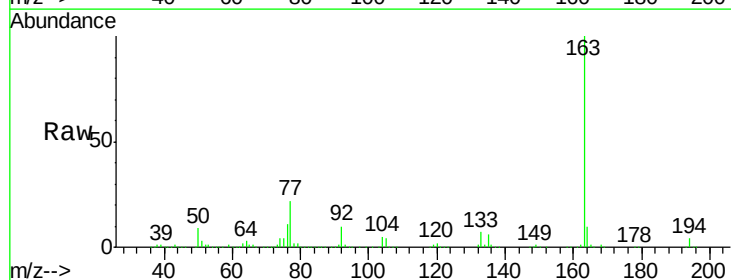
Tgt Ion:163 Resp: 1434681

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

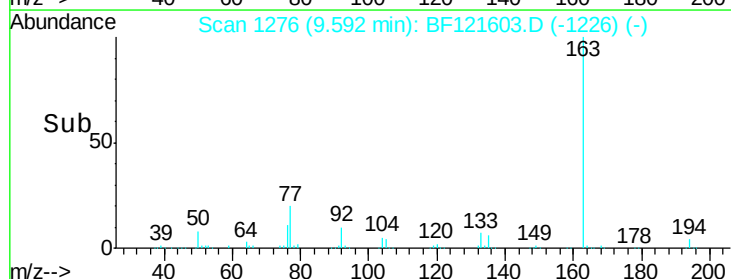
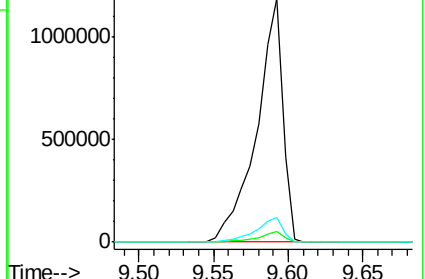
164 10.2 7.9 11.9

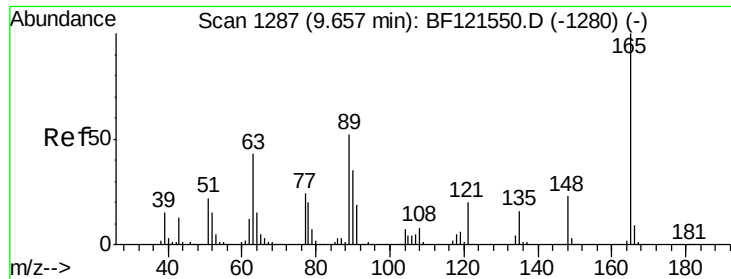


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

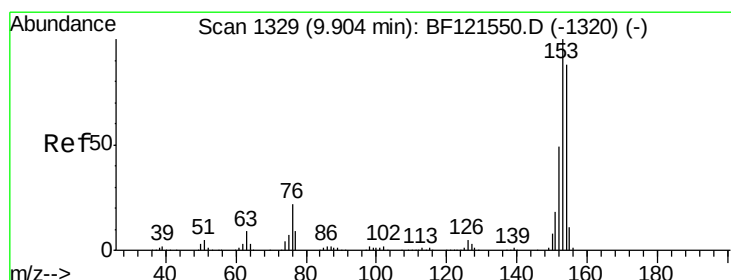
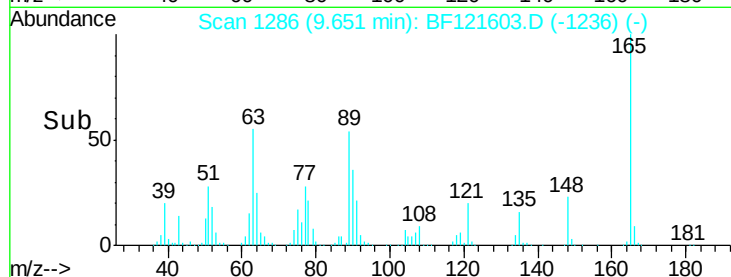
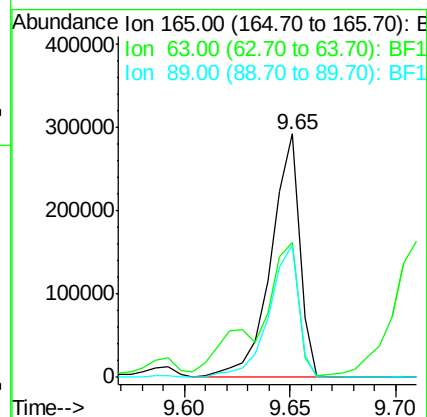
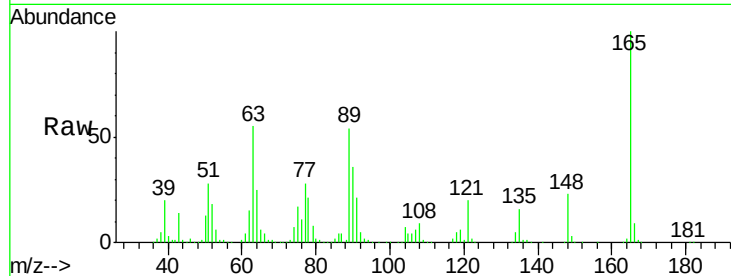




#51
2,6-Dinitrotoluene
Concen: 45.025 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

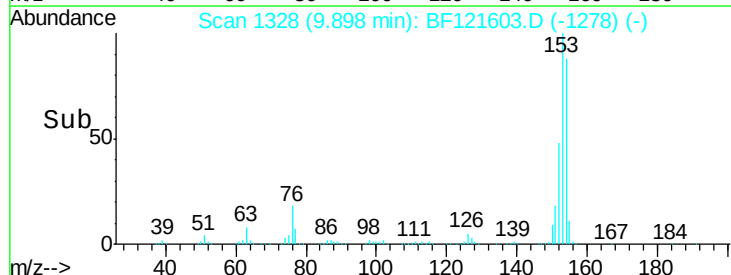
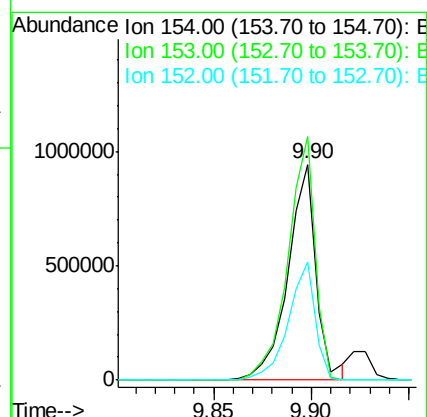
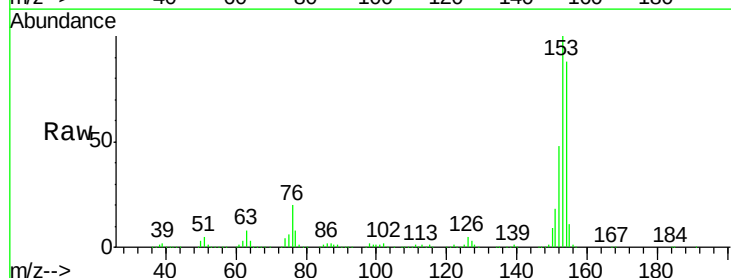
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

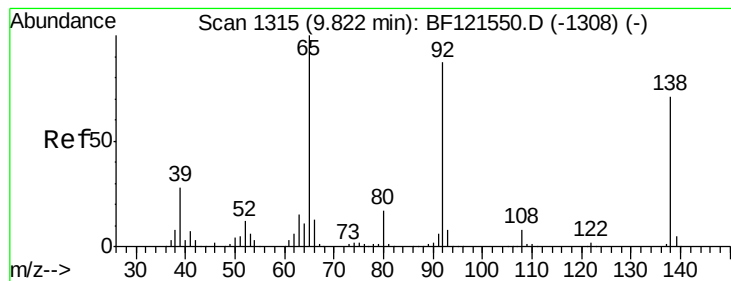
Tot Ion	Ratio	Lower	Upper
165	100		
63	55.3	40.6	61.0
89	54.4	41.8	62.8



#52
Acenaphthene
Concen: 38.596 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.0	136.4
152	54.8	44.2	66.2





#53

3-Nitroaniline

Concen: 26.226 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

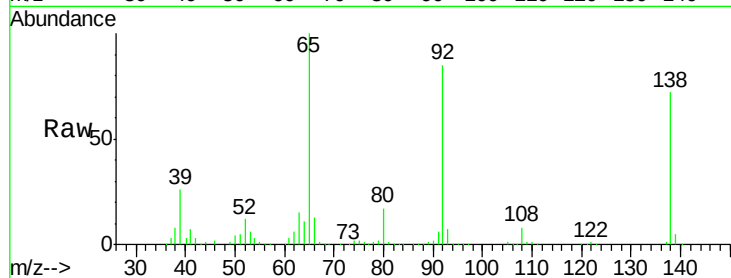
Tot Ion:138 Resp: 187237

Ion Ratio Lower Upper

138 100

108 10.6 9.0 13.6

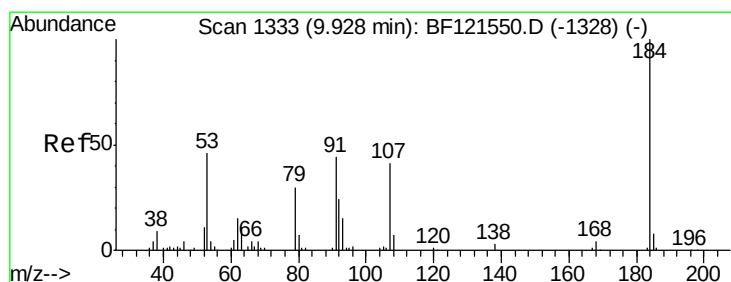
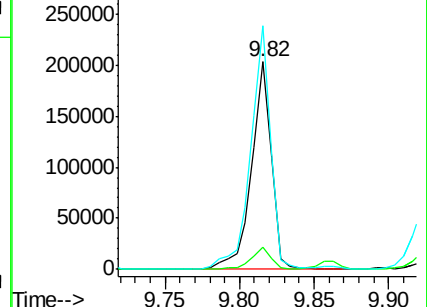
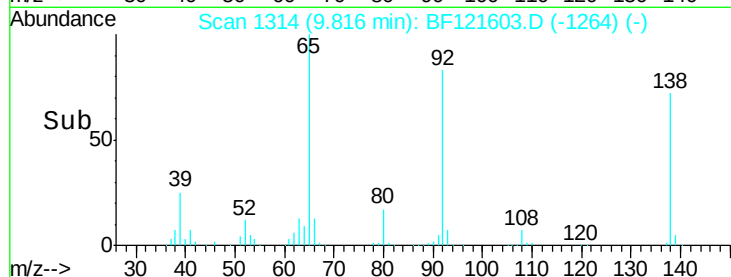
92 117.5 97.4 146.0



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): BF1



#54

2,4-Dinitrophenol

Concen: 66.405 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

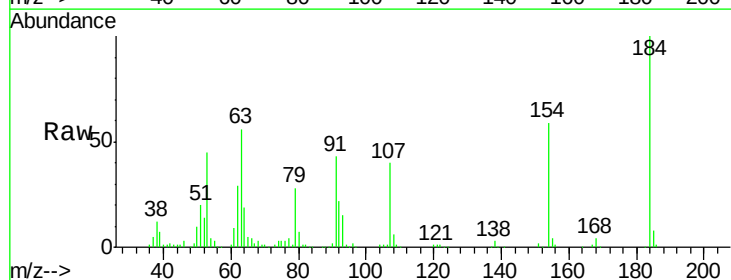
Tgt Ion:184 Resp: 229880

Ion Ratio Lower Upper

184 100

63 56.3 47.7 71.5

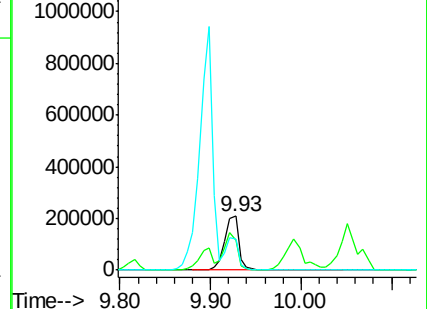
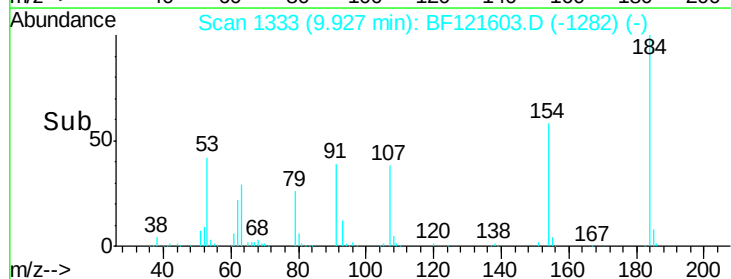
154 58.6 47.2 70.8

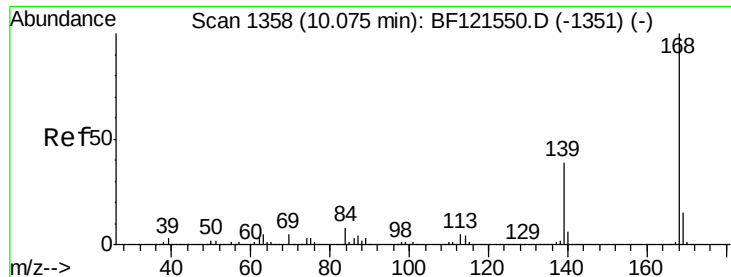


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

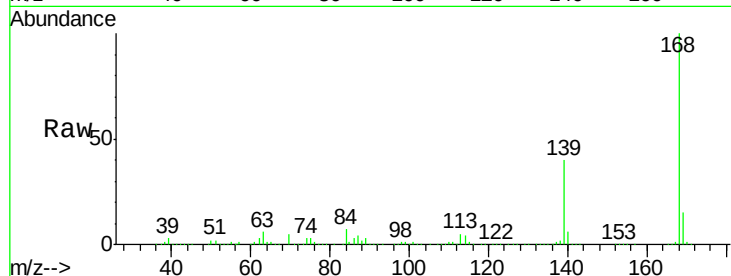




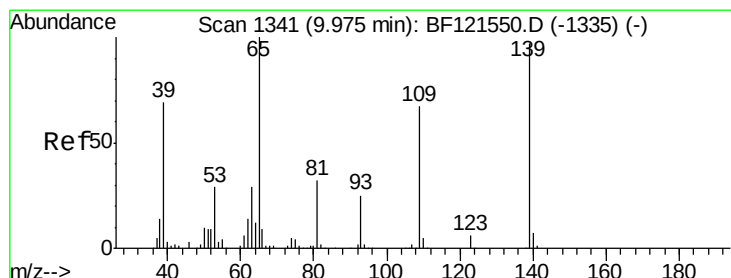
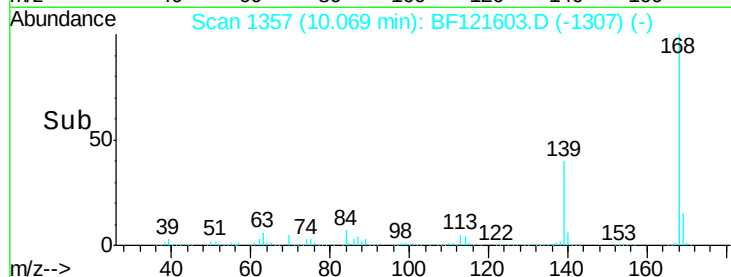
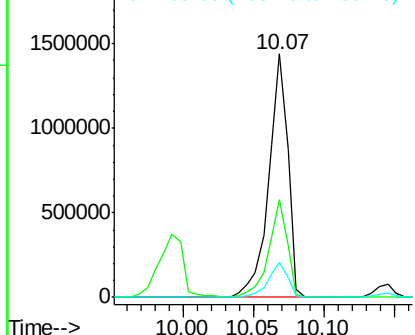
#55
Dibenzenofuran
Concen: 39.885 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:168 Resp: 1373014
Ion Ratio Lower Upper
168 100
139 39.9 31.4 47.0
169 14.6 11.9 17.9

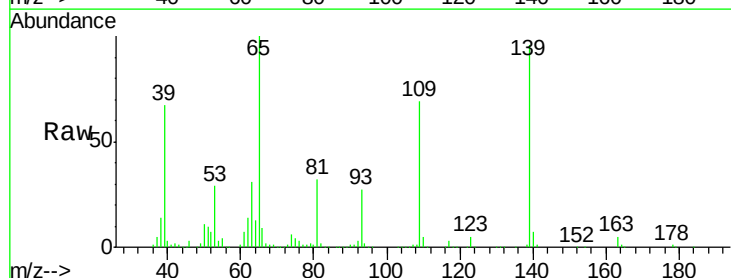


Abundance Ion 168.00 (167.70 to 168.70): E
2000000
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

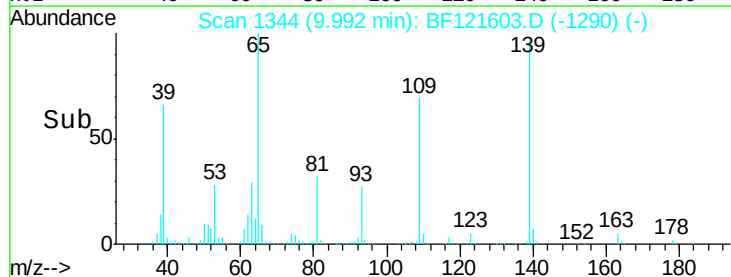
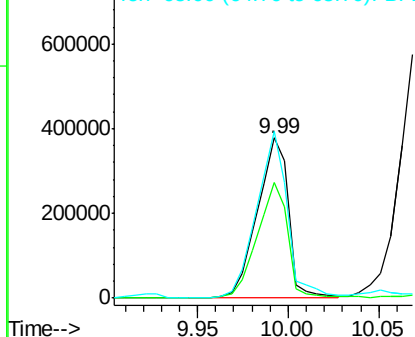


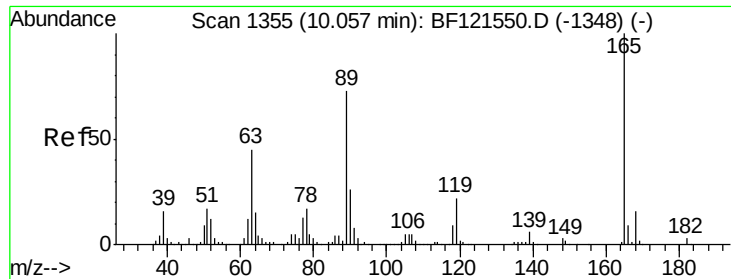
#56
4-Nitrophenol
Concen: 79.347 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:139 Resp: 451775
Ion Ratio Lower Upper
139 100
109 72.3 48.8 88.8
65 104.5 83.6 123.6



Abundance Ion 139.00 (138.70 to 139.70): E
800000
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

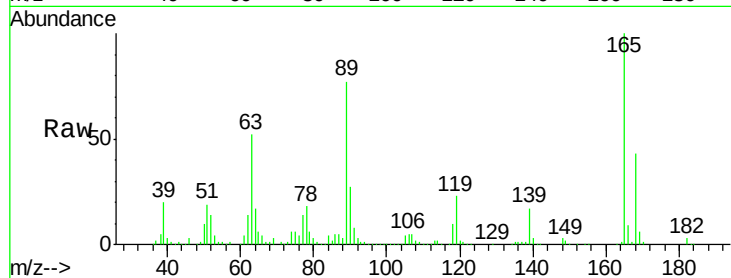




#57
2,4-Dinitrotoluene
Concen: 46.815 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	51.6	36.2	54.4
89	76.6	58.2	87.4
182	2.6	2.2	3.2

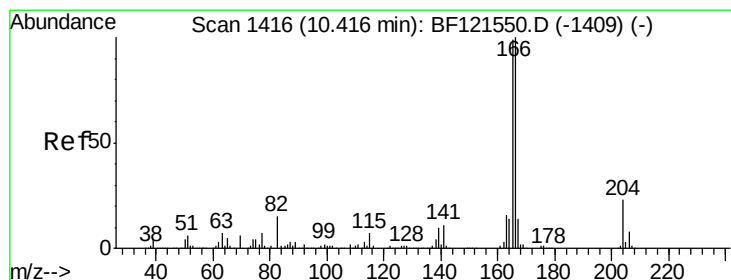
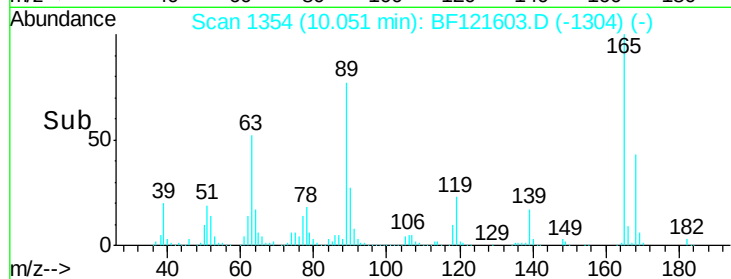
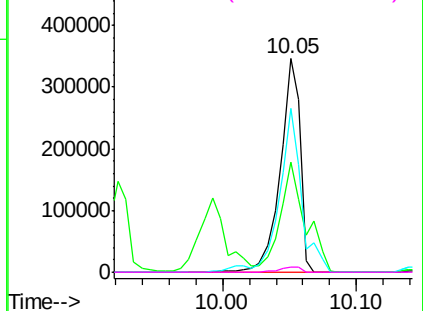


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

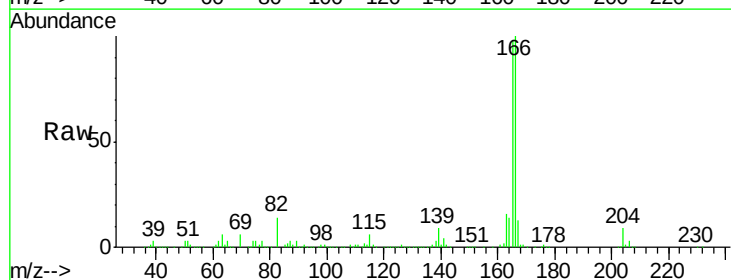
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 39.771 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

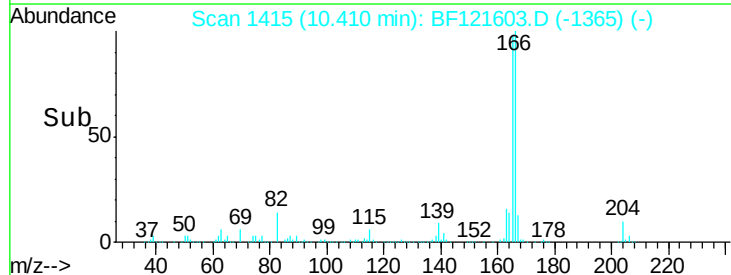
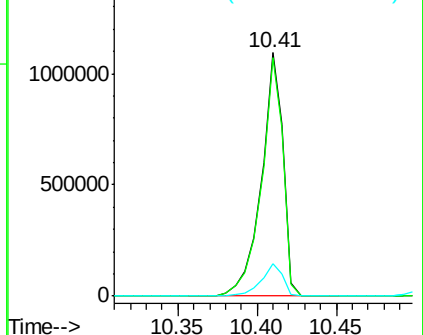
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.0	118.4
167	13.5	11.0	16.6

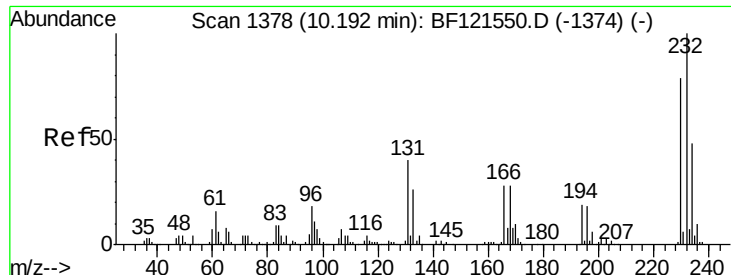


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

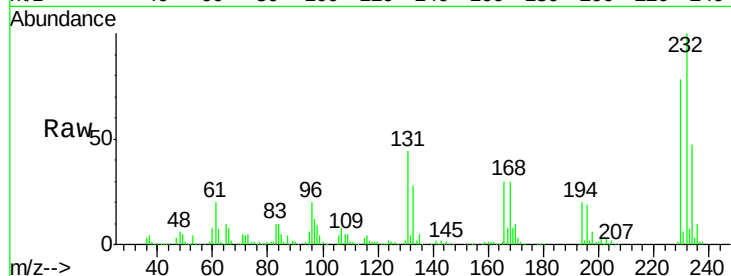




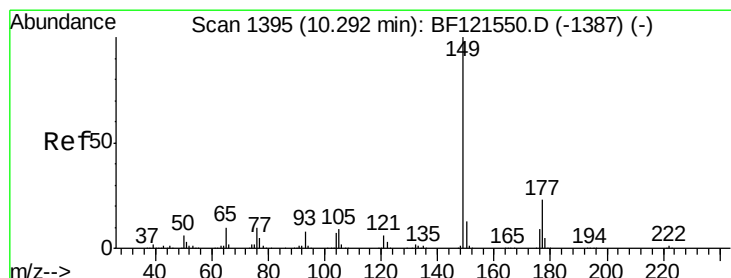
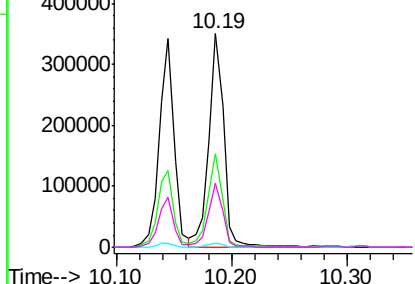
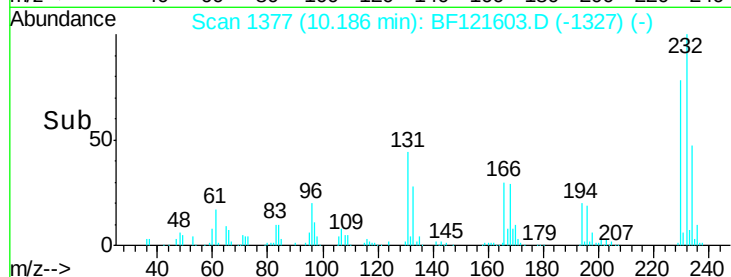
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.999 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion:	232	Resp:	314158
Ion	Ratio	Lower	Upper
232	100		
131	42.6	36.3	54.5
130	1.9	1.9	2.9
166	28.9	23.9	35.9

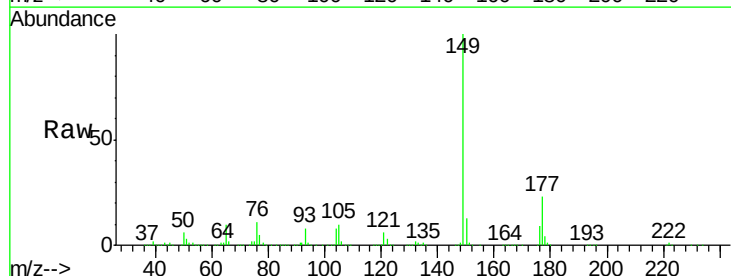


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

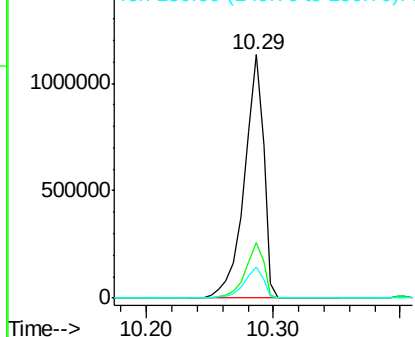
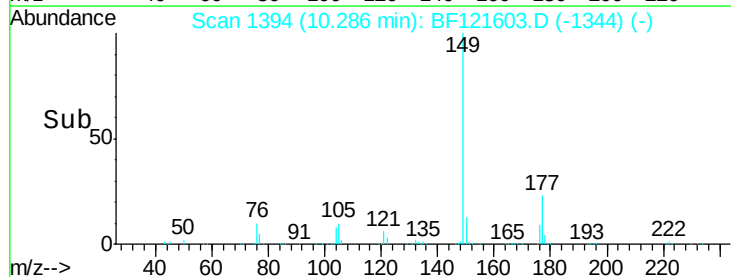


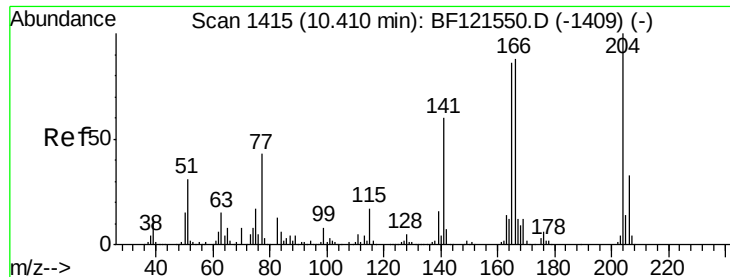
#60
 Diethylphthalate
 Concen: 42.165 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion:	149	Resp:	1189644
Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.2	27.2
150	12.8	10.2	15.2



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

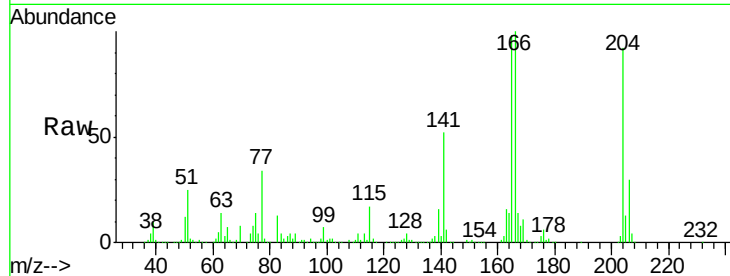




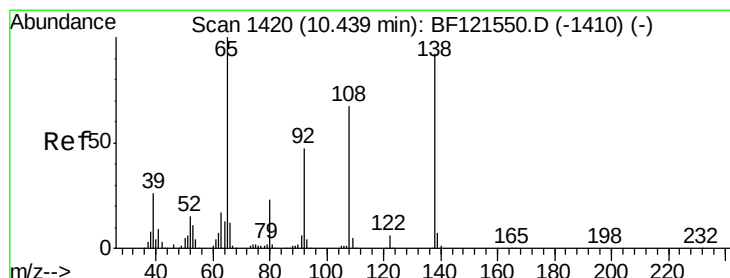
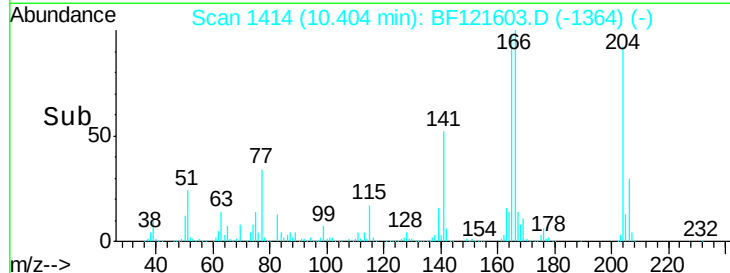
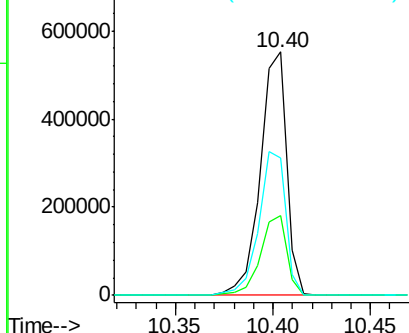
#61
 4-Chlorophenyl-phenylether
 Concen: 41.142 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion:	204	Resp:	518824
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	56.6	48.3	72.5

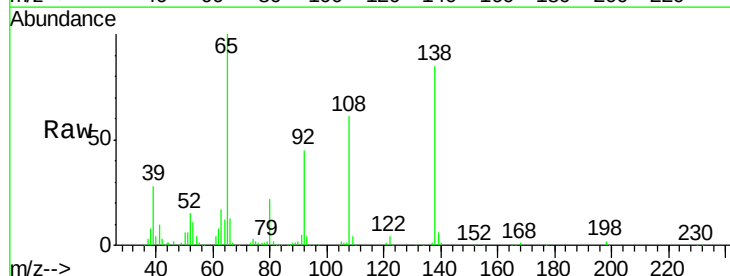


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

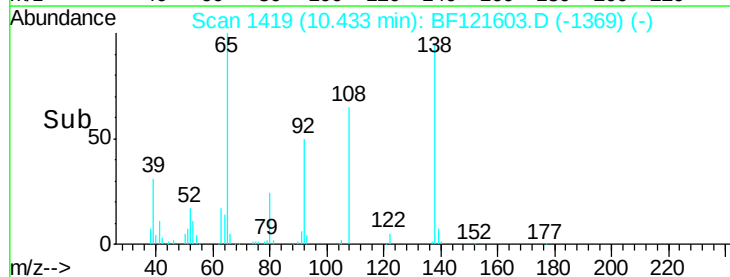
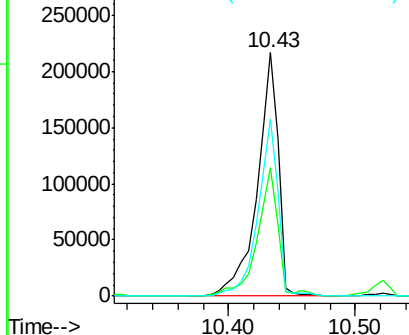


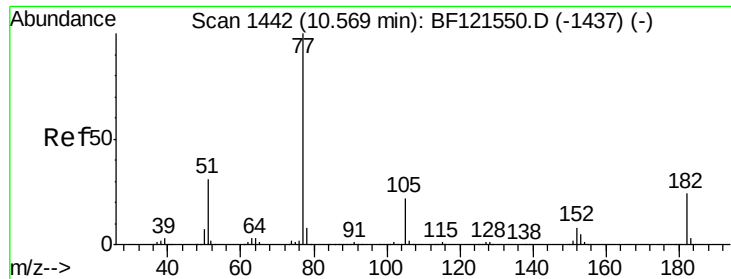
#62
 4-Nitroaniline
 Concen: 35.763 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion:	138	Resp:	253516
Ion	Ratio	Lower	Upper
138	100		
92	52.8	31.4	71.4
108	72.7	52.4	92.4



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E

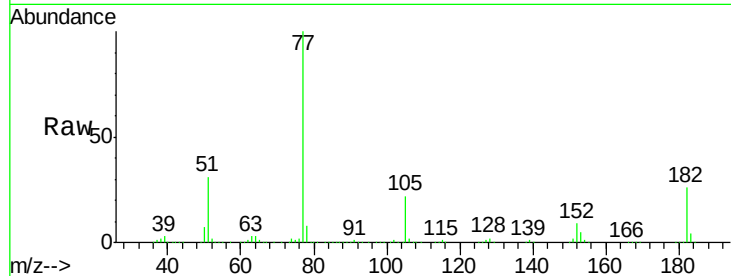




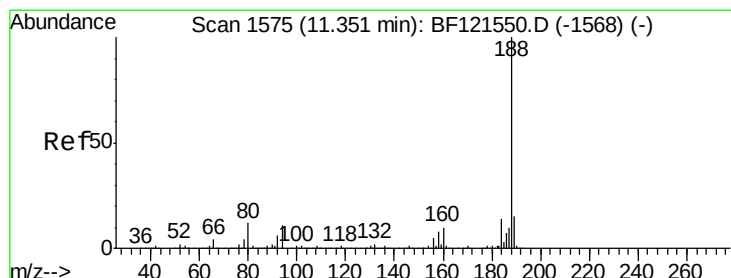
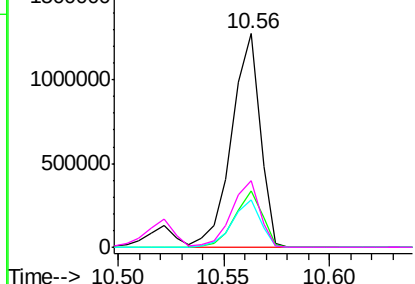
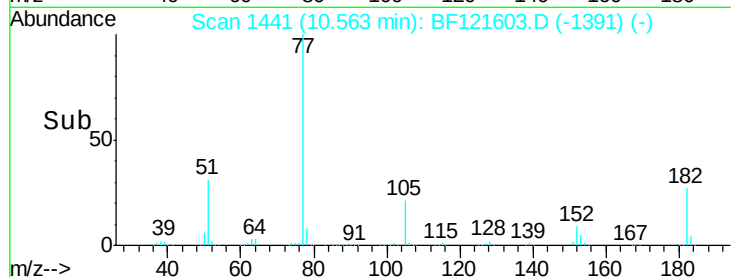
#63
Azobenzene
Concen: 39.472 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion: 77 Resp: 1185966
Ion Ratio Lower Upper
77 100
182 26.3 3.9 43.9
105 22.2 2.2 42.2
51 31.4 11.1 51.1

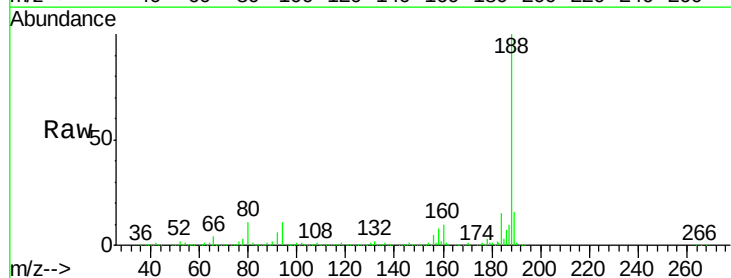


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

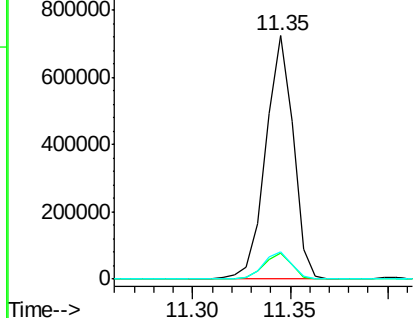
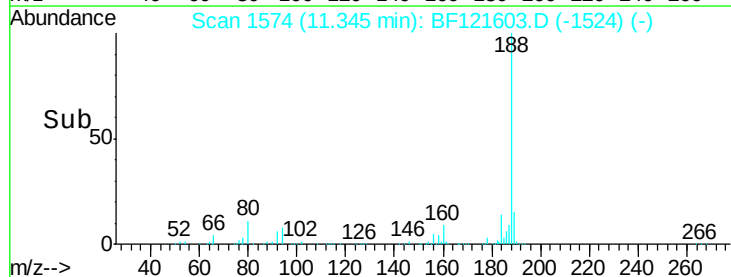


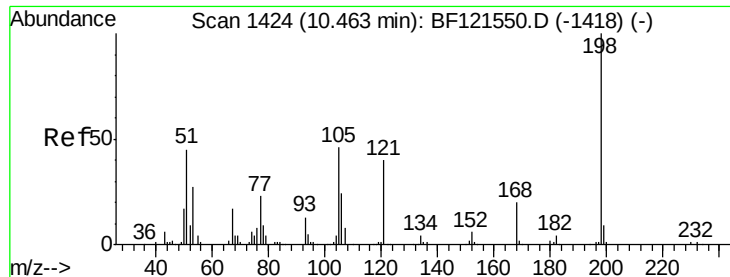
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion: 188 Resp: 708514
Ion Ratio Lower Upper
188 100
94 10.6 8.7 13.1
80 11.1 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): BF1
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

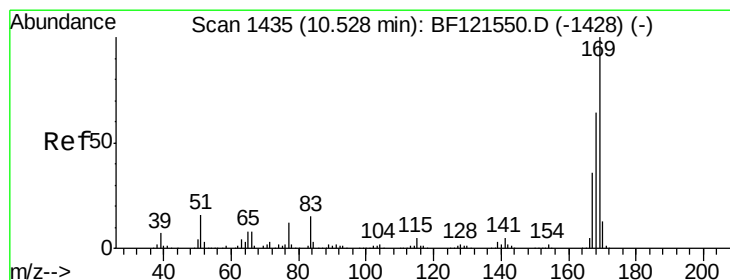
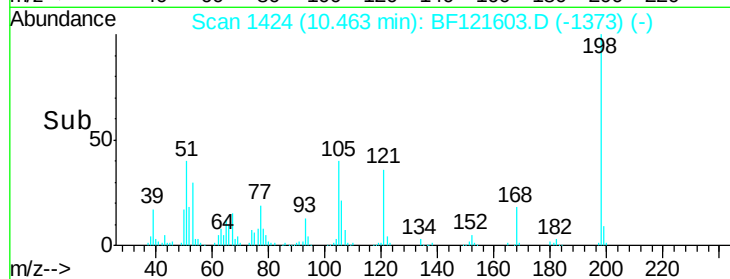
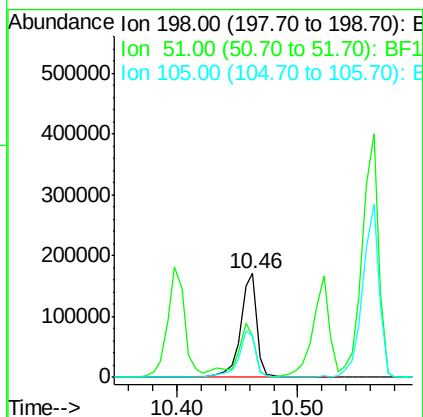
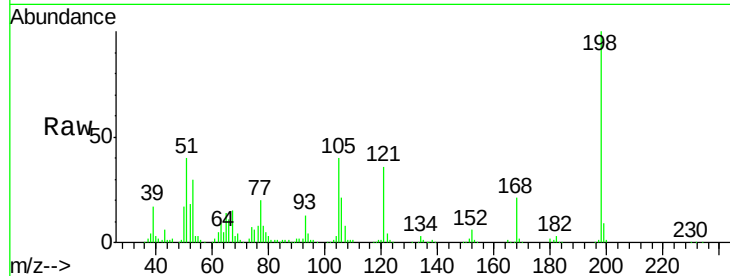




#65
4,6-Dinitro-2-methylphenol
Concen: 38.464 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

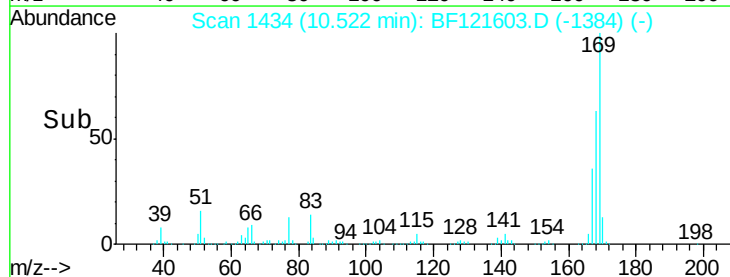
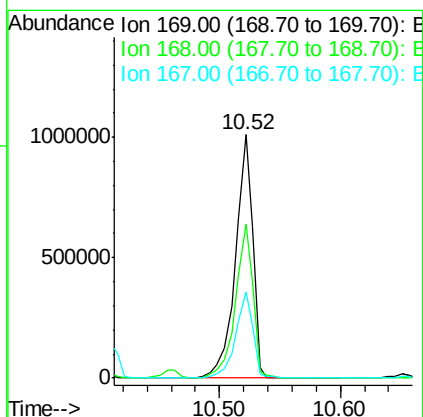
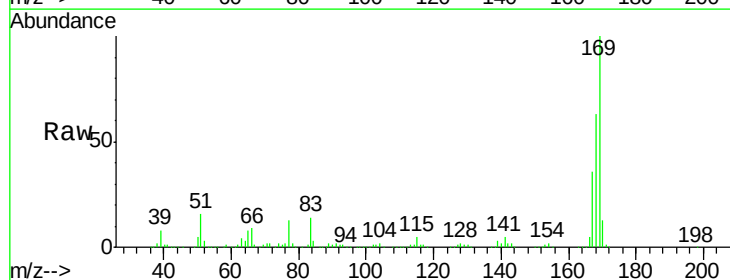
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

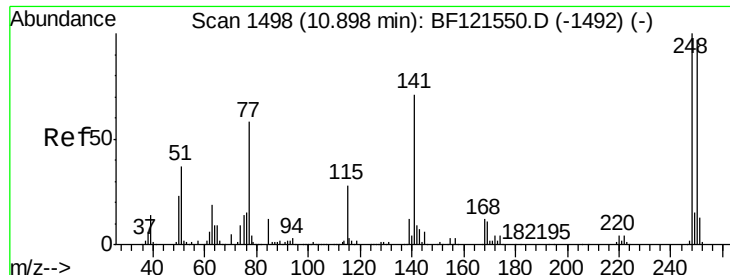
Tot Ion:198 Resp: 160326
Ion Ratio Lower Upper
198 100
51 40.1 31.1 71.1
105 40.3 26.6 66.6



#66
n-Nitrosodiphenylamine
Concen: 41.557 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:169 Resp: 1010153
Ion Ratio Lower Upper
169 100
168 63.4 51.2 76.8
167 35.6 28.9 43.3

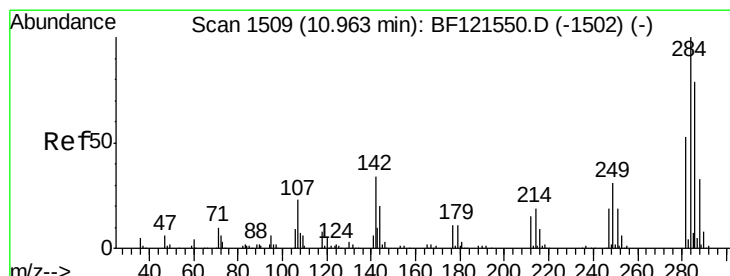
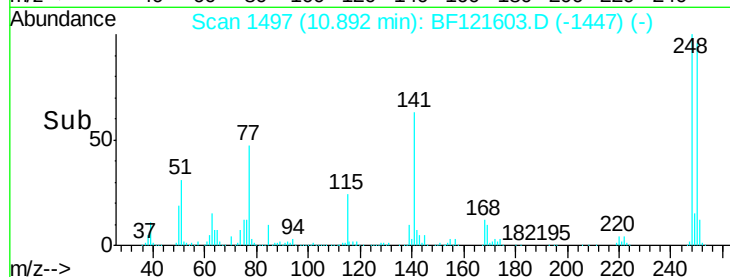
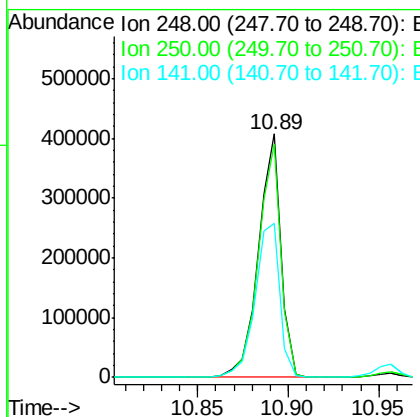
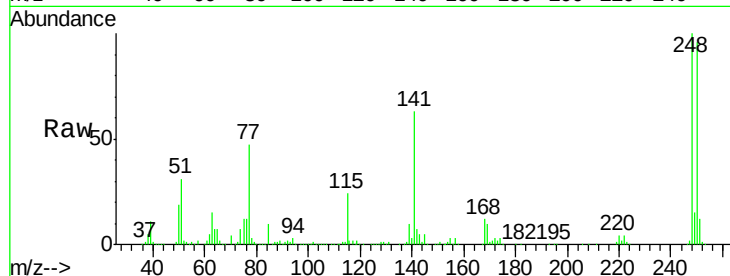




#67
4-Bromophenyl-phenylether
Concen: 43.497 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

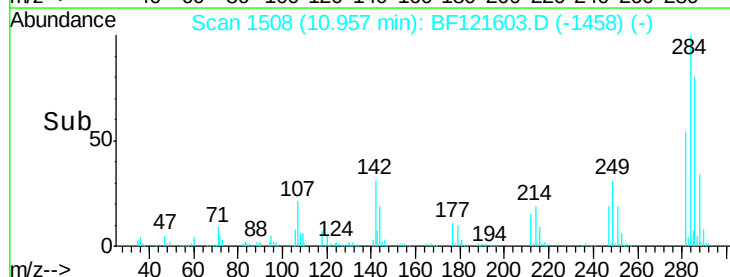
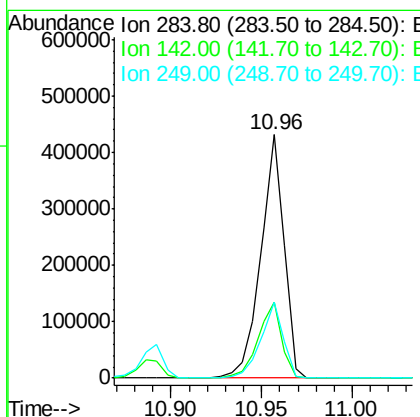
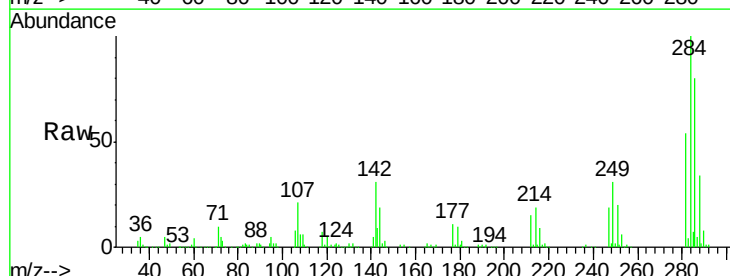
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

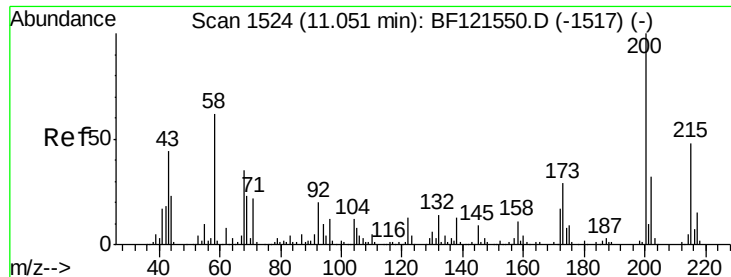
Tot Ion:248 Resp: 350881
Ion Ratio Lower Upper
248 100
250 95.7 77.4 116.0
141 63.0 56.7 85.1



#68
Hexachlorobenzene
Concen: 42.423 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:284 Resp: 386196
Ion Ratio Lower Upper
284 100
142 31.2 27.0 40.4
249 30.9 24.7 37.1

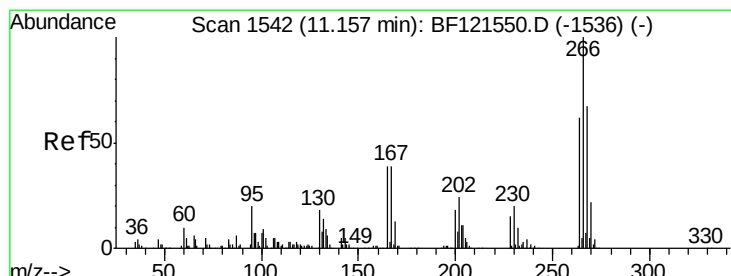
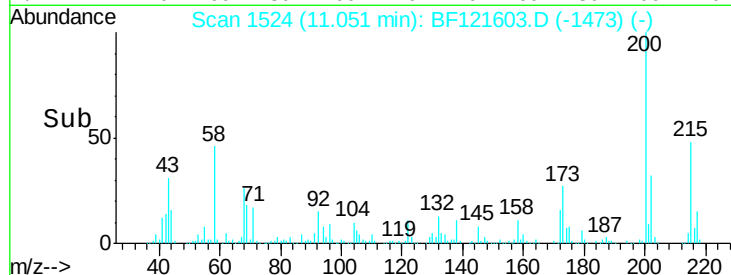
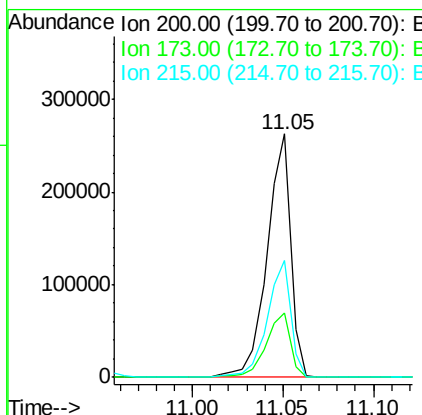
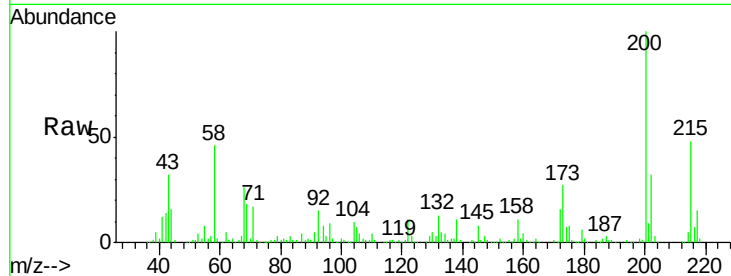




#69
 Atrazine
 Concen: 39.411 ng
 RT: 11.05 min Scan# 1524
 Delta R.T. -0.00 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

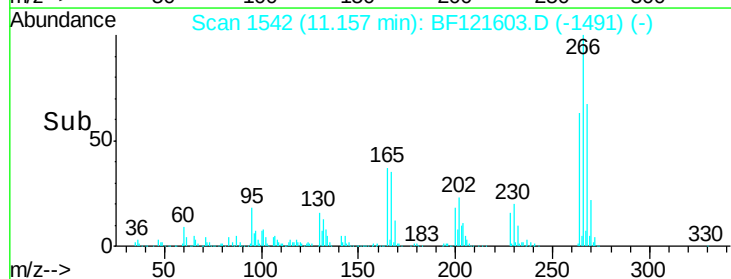
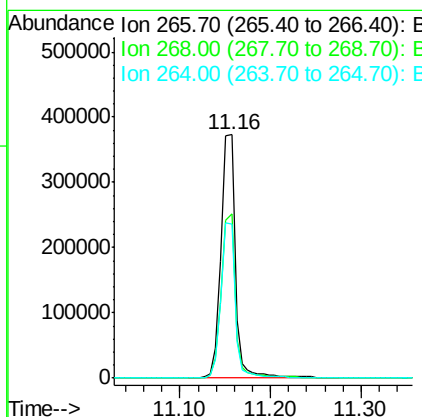
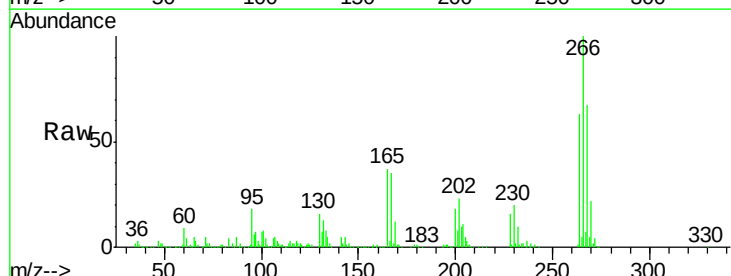
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

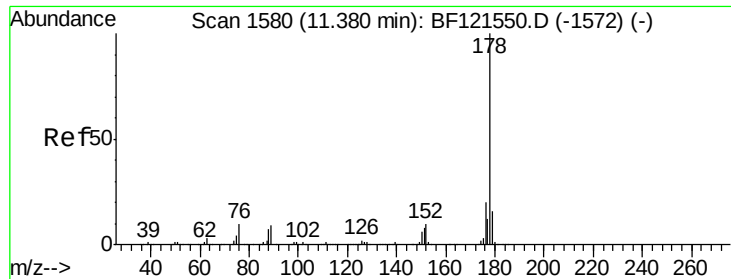
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.6	8.5	48.5
215	48.0	27.8	67.8



#70
 Pentachlorophenol
 Concen: 81.840 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.5	53.5	80.3
264	63.2	49.8	74.8

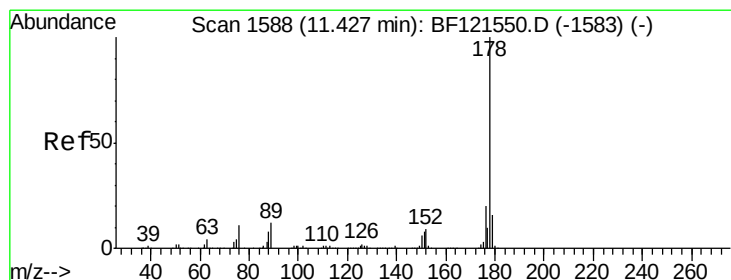
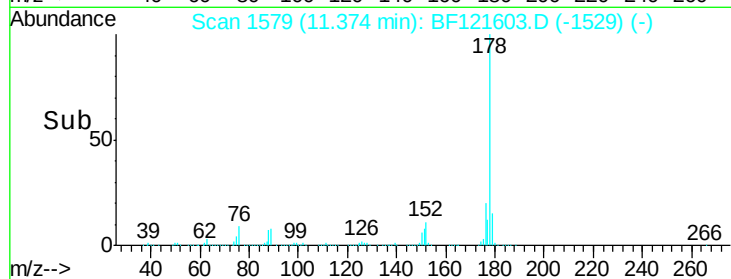
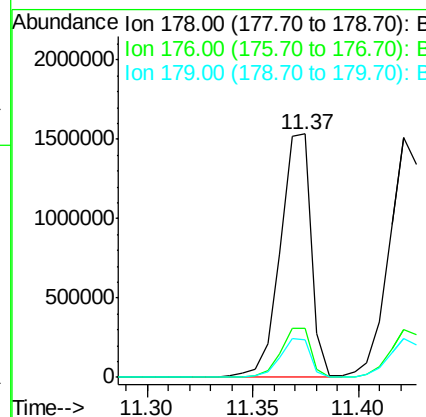
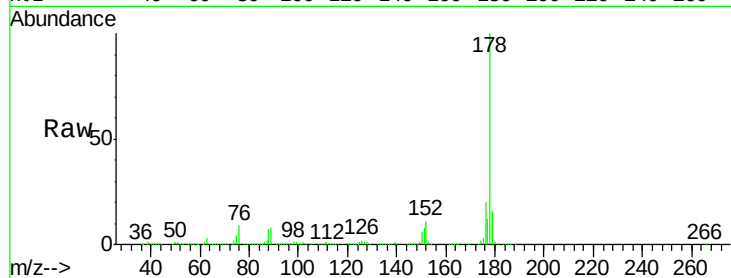




#71
 Phenanthrene
 Concen: 40.503 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

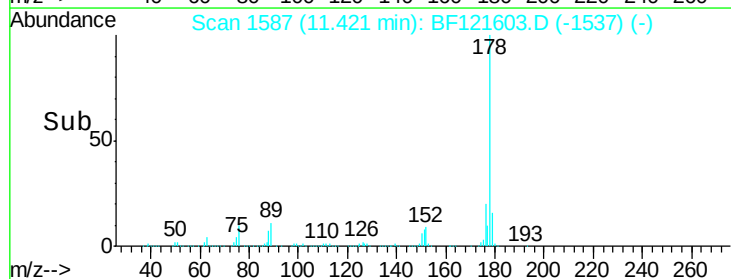
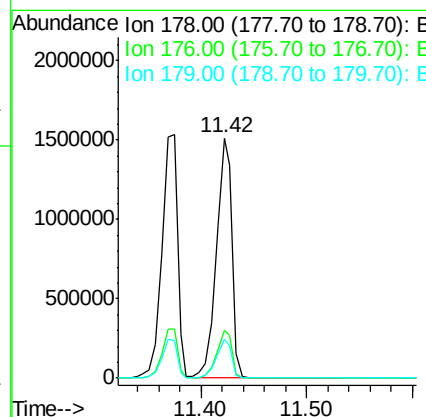
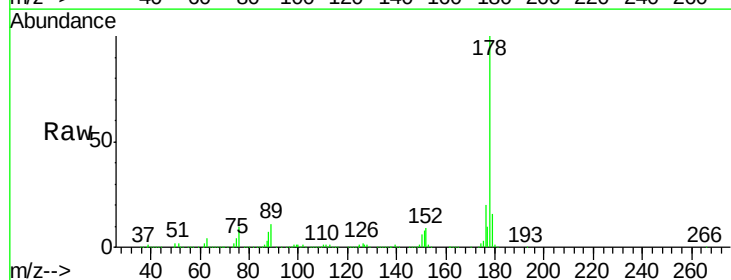
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

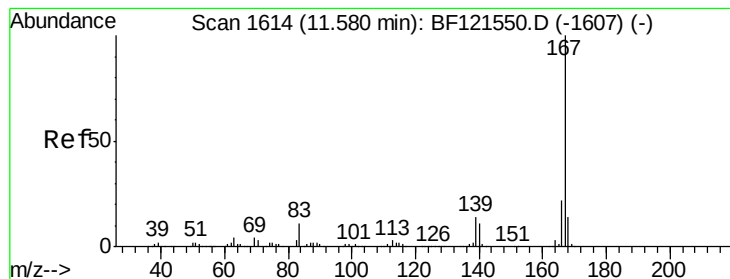
Tot Ion:178 Resp: 1563530
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.2 24.4
 179 15.7 12.6 19.0



#72
 Anthracene
 Concen: 39.658 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion:178 Resp: 1579829
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 16.1 12.8 19.2





#73

Carbazole

Concen: 39.021 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

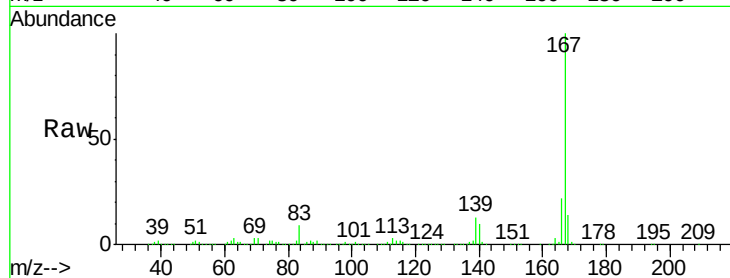
Tot Ion:167 Resp: 1402748

Ion Ratio Lower Upper

167 100

166 22.3 17.9 26.9

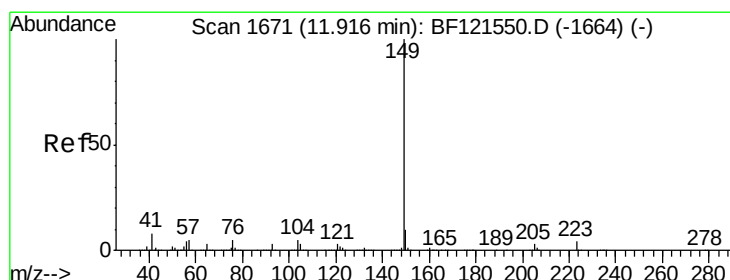
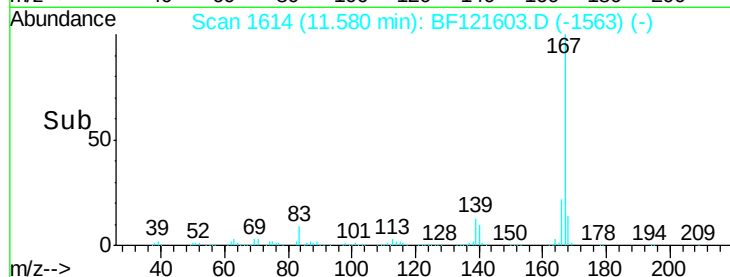
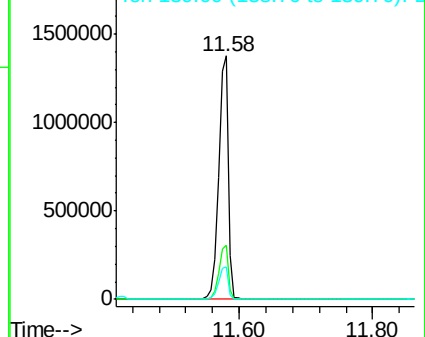
139 13.3 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 41.368 ng

RT: 11.91 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

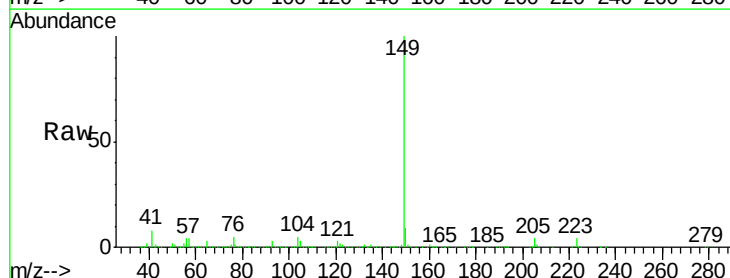
Tgt Ion:149 Resp: 1716375

Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

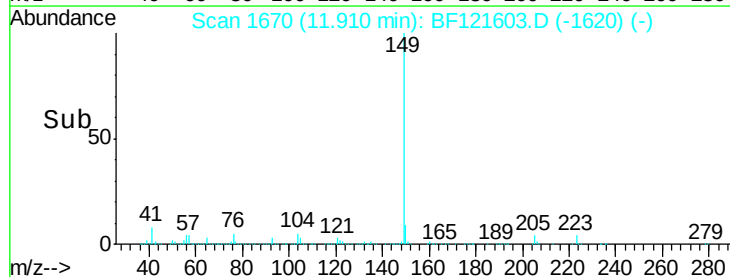
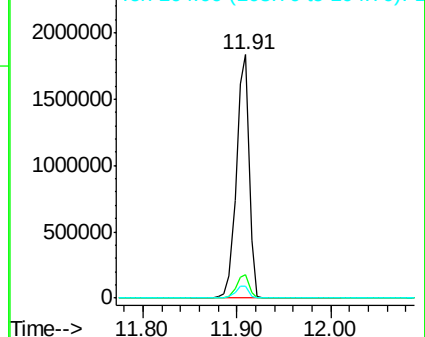
104 5.0 4.2 6.4

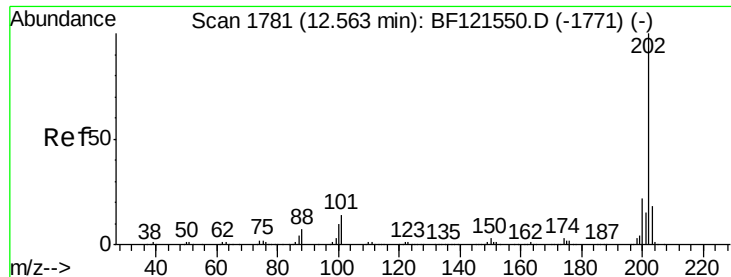


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 38.768 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

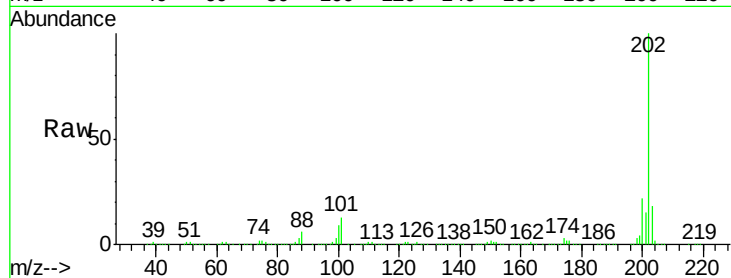
Tot Ion:202 Resp: 1597556

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.0

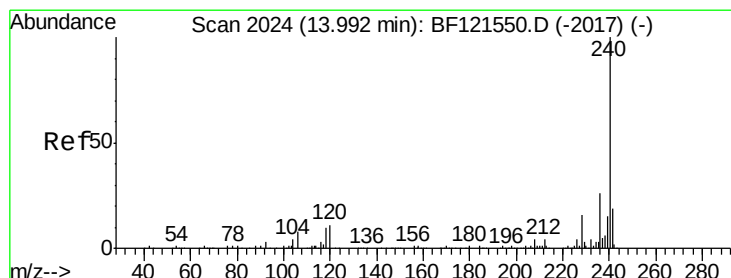
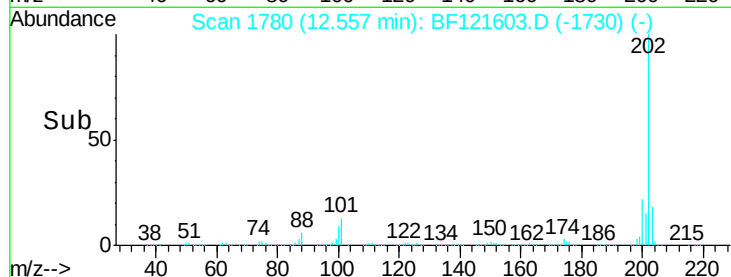
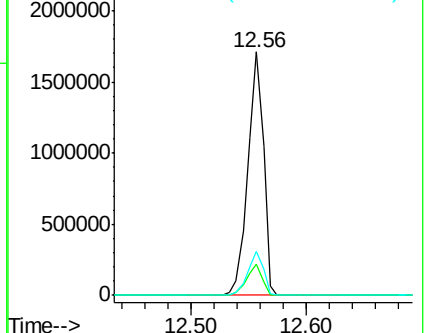
203 18.1 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

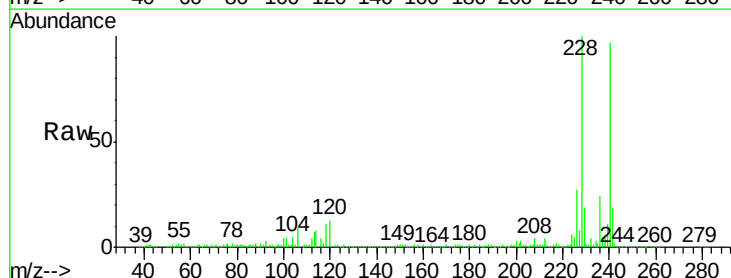
Tgt Ion:240 Resp: 416358

Ion Ratio Lower Upper

240 100

120 13.1 9.2 13.8

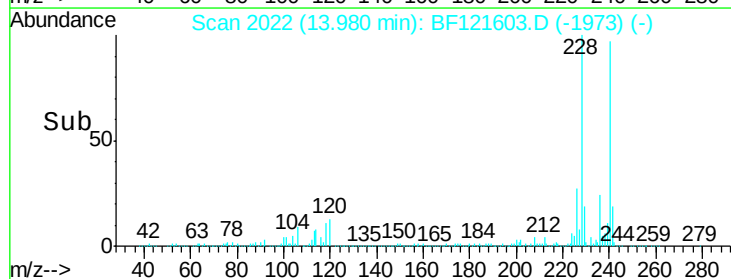
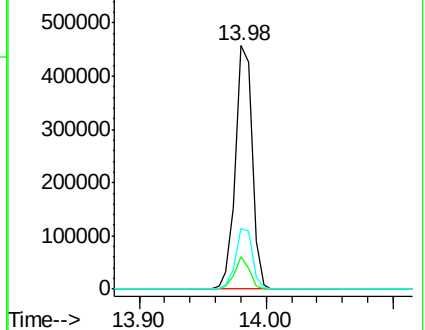
236 24.7 20.5 30.7

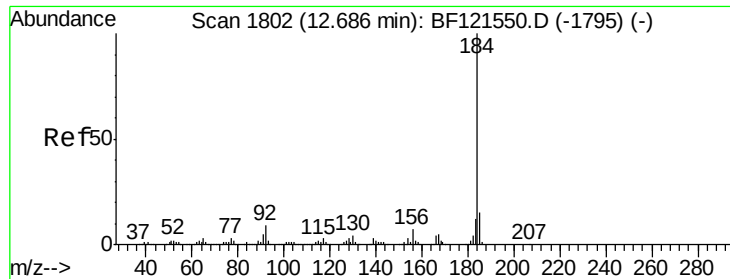


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 39.944 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

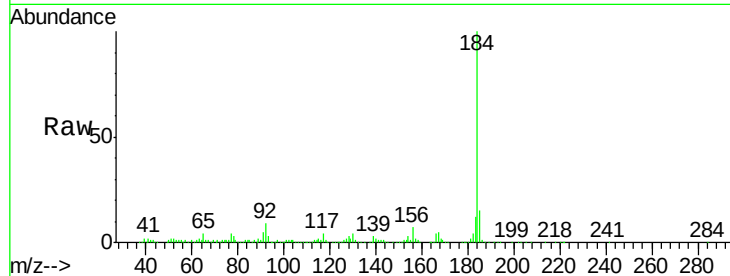
Tot Ion:184 Resp: 551345

Ion Ratio Lower Upper

184 100

185 14.8 12.0 18.0

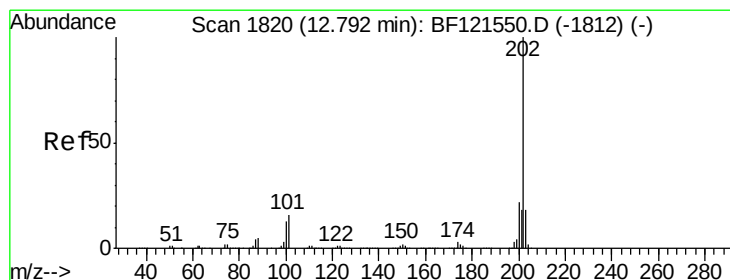
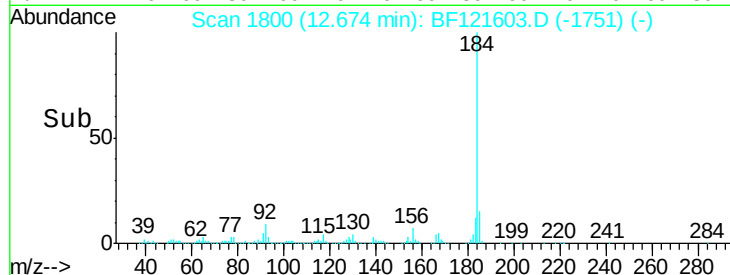
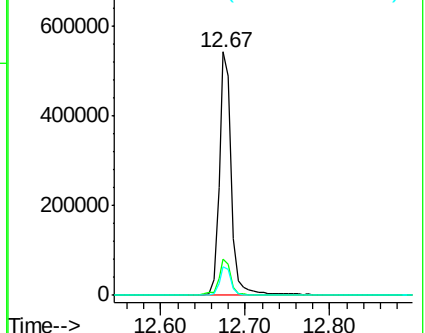
183 11.9 9.5 14.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.113 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

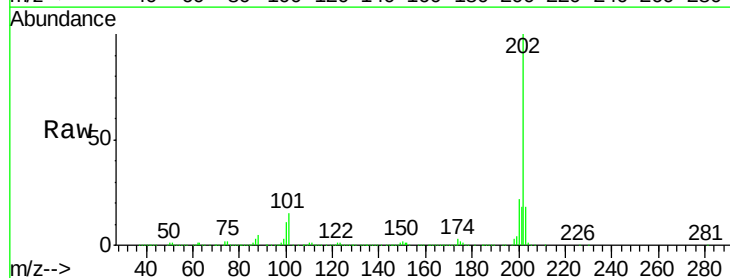
Tgt Ion:202 Resp: 1554862

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

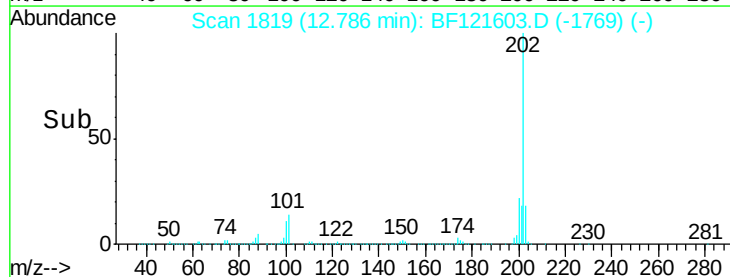
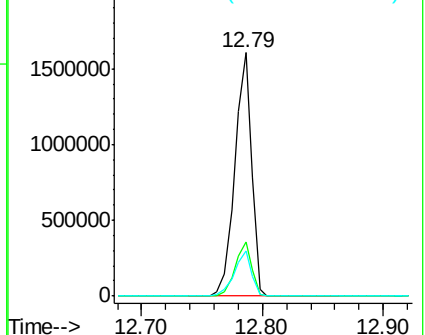
203 18.4 14.6 22.0

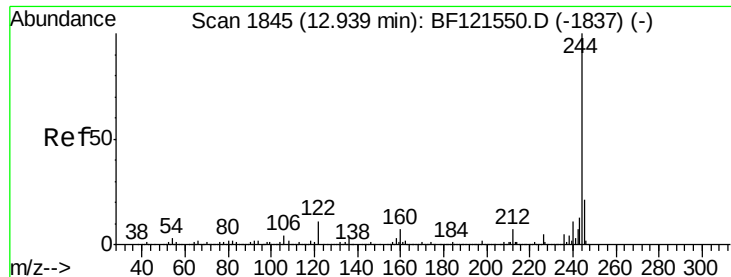


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 93.535 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

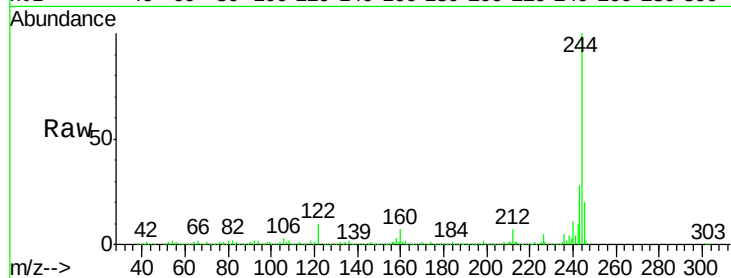
Tot Ion:244 Resp: 1922311

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

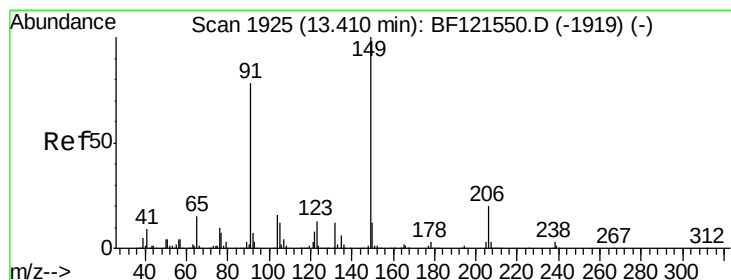
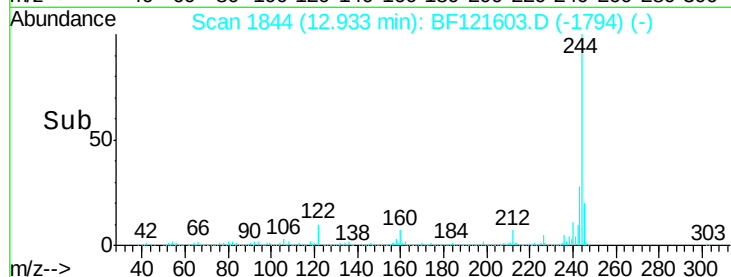
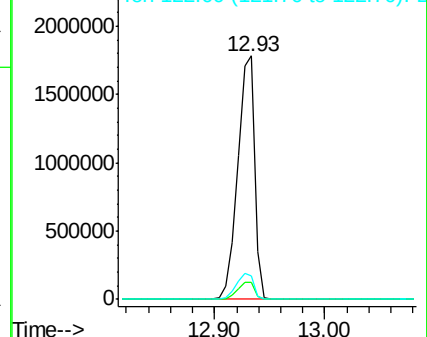
122 9.9 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 53.104 ng

RT: 13.40 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

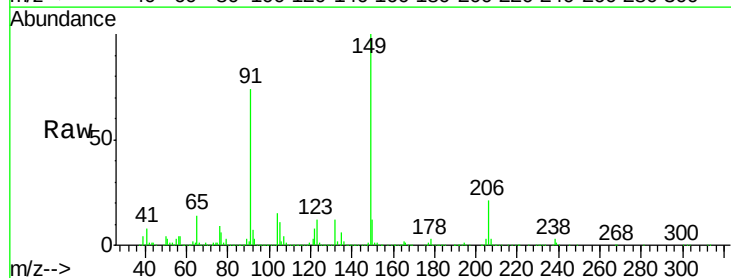
Tgt Ion:149 Resp: 653338

Ion Ratio Lower Upper

149 100

91 74.4 62.6 94.0

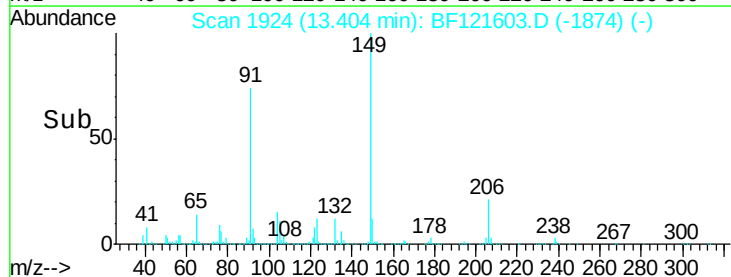
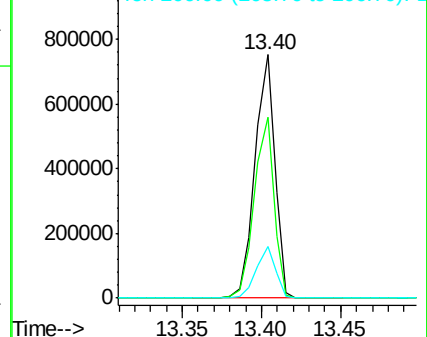
206 21.4 15.8 23.6

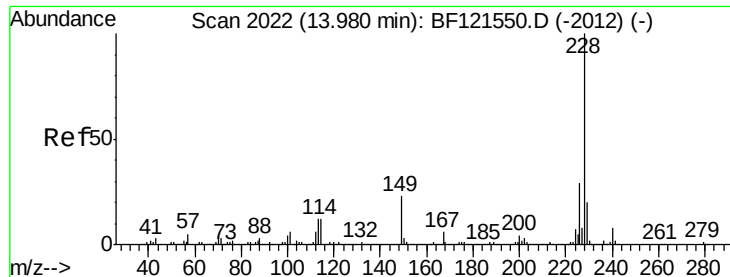


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

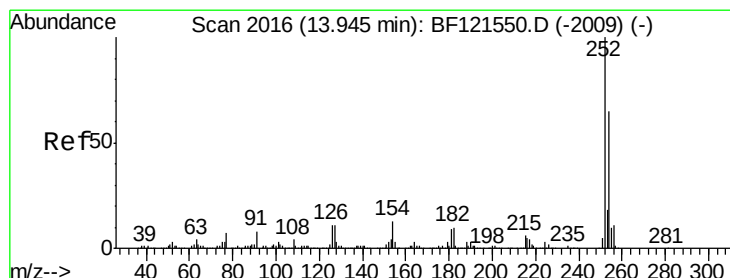
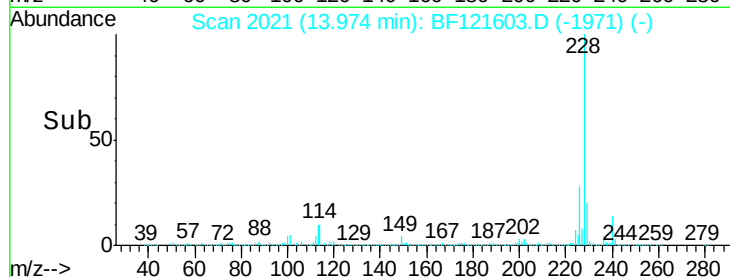
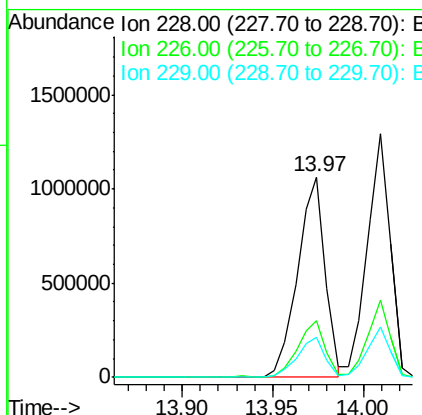
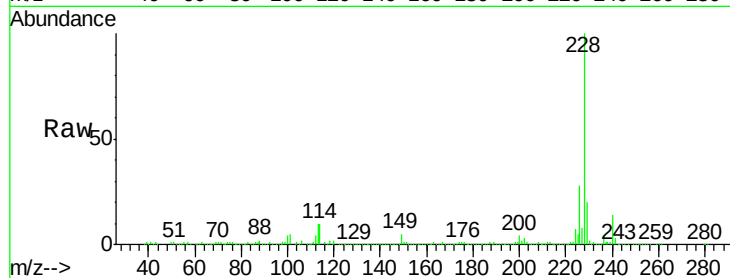




#81
Benzo(a)anthracene
Concen: 42.926 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

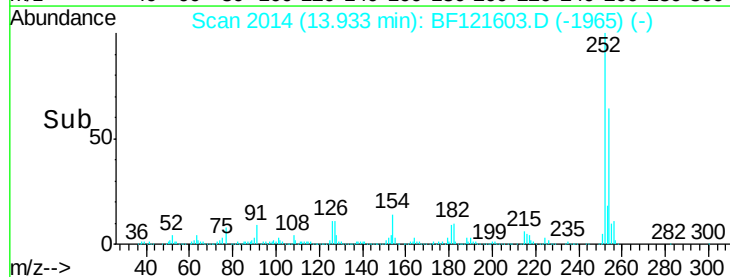
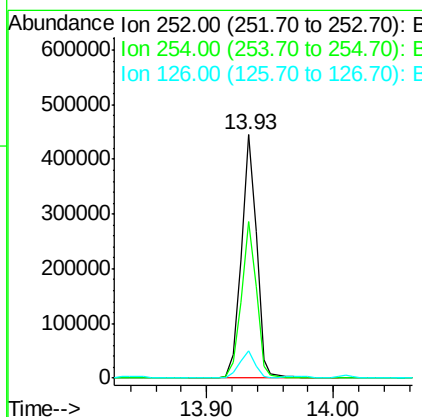
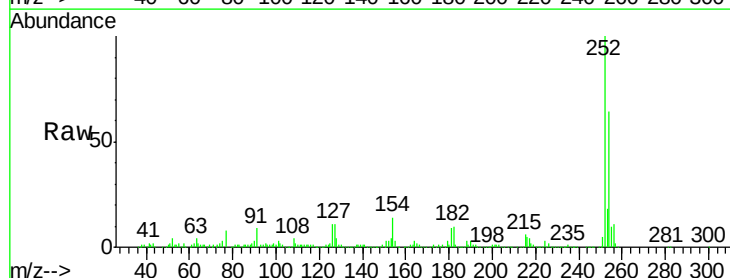
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

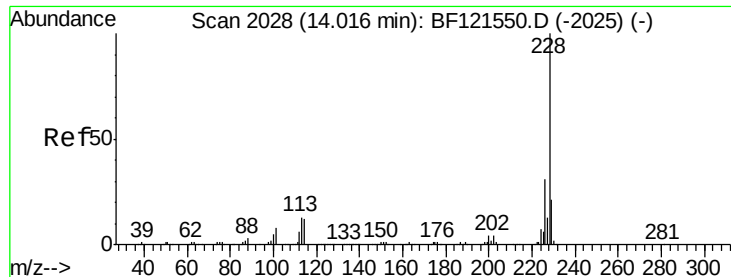
Tot Ion:228 Resp: 1130707
Ion Ratio Lower Upper
228 100
226 28.5 22.9 34.3
229 20.2 16.3 24.5



#82
3,3'-Dichlorobenzidine
Concen: 35.521 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:252 Resp: 365282
Ion Ratio Lower Upper
252 100
254 64.1 52.3 78.5
126 11.2 9.1 13.7

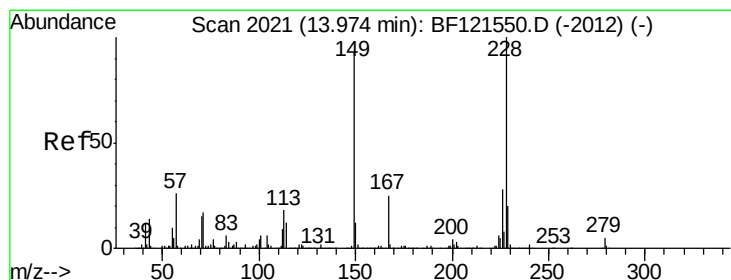
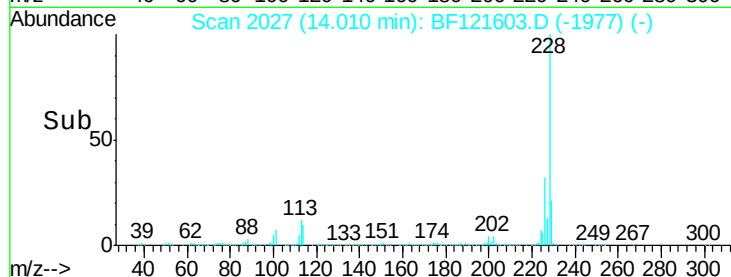
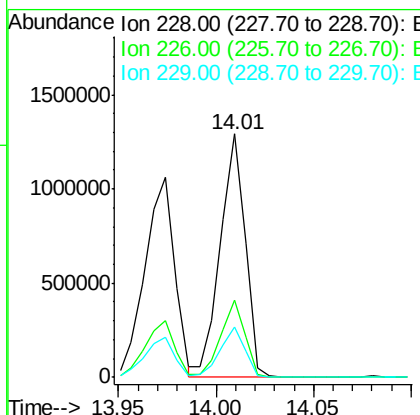
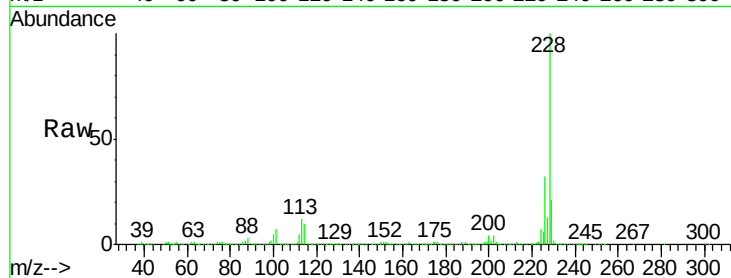




#83
 Chrysene
 Concen: 43.069 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

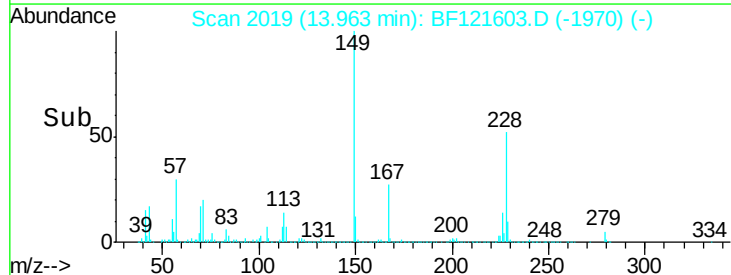
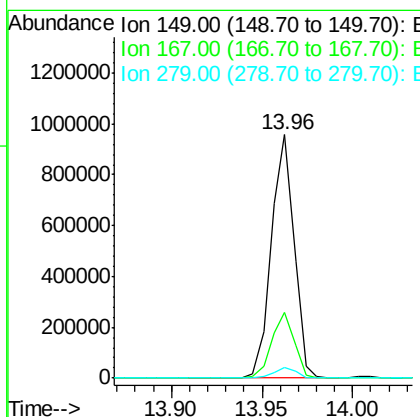
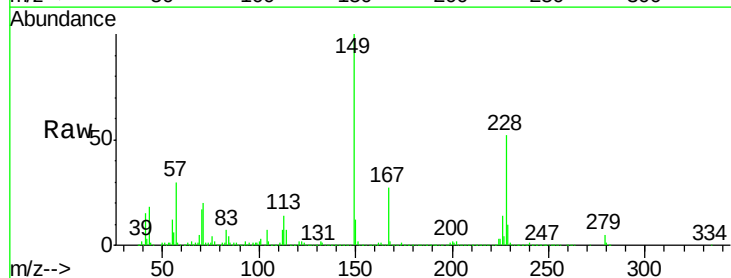
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

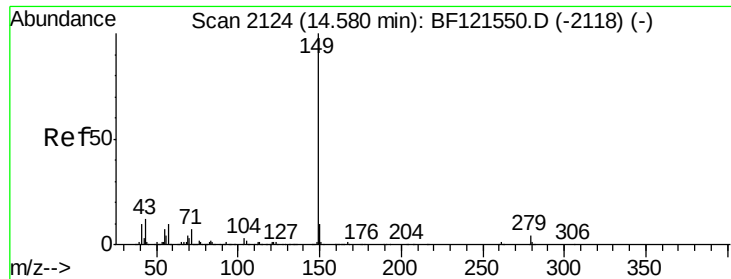
Tot Ion:228 Resp: 1148792
 Ion Ratio Lower Upper
 228 100
 226 31.7 25.1 37.7
 229 20.6 16.6 25.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.602 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion:149 Resp: 831678
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.6 32.4
 279 4.6 4.1 6.1

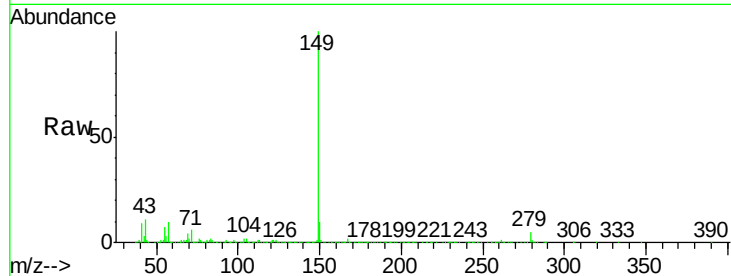




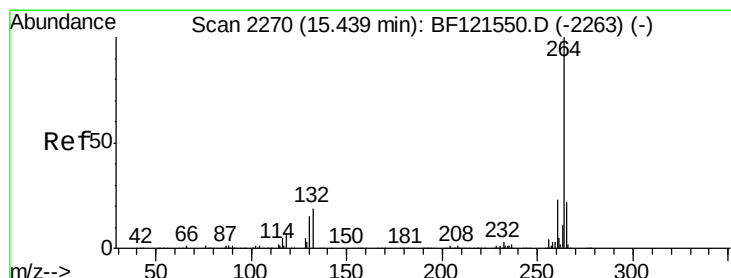
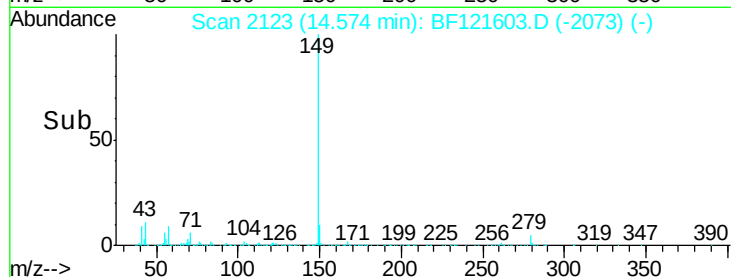
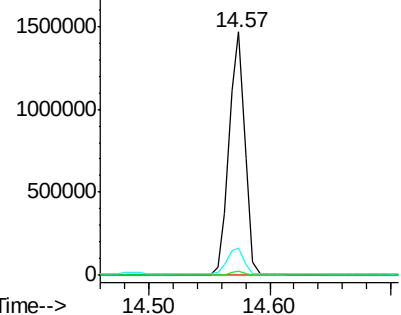
#85
Di-n-octyl phthalate
Concen: 46.427 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:149 Resp: 1346649
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.1 9.4 14.0

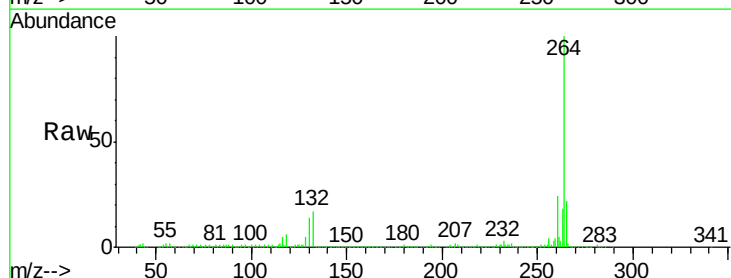


Abundance Ion 149.00 (148.70 to 149.70): E
2000000 Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

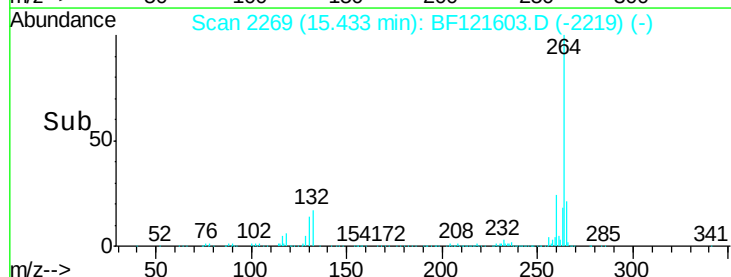
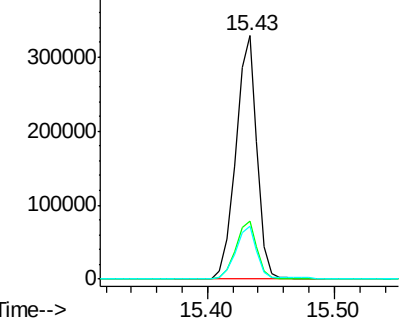


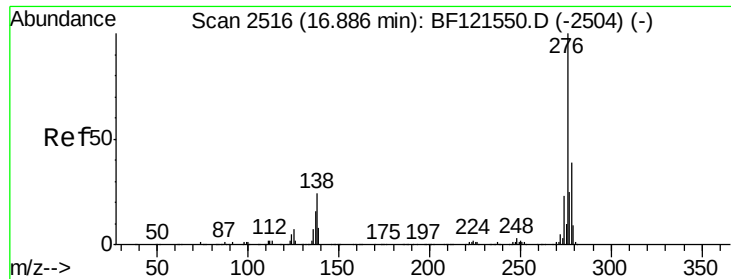
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:264 Resp: 382117
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.5 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
400000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

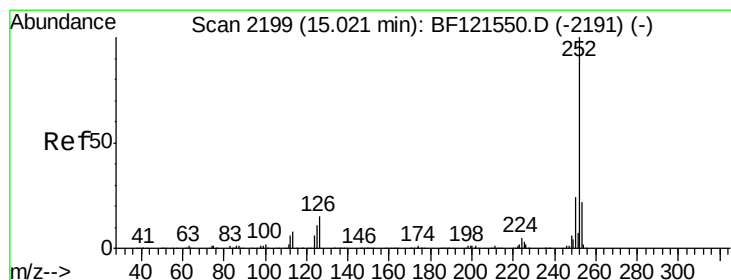
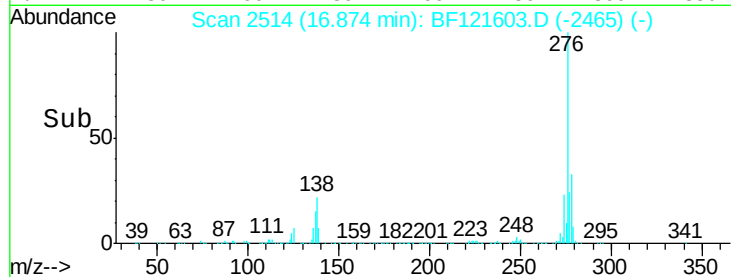
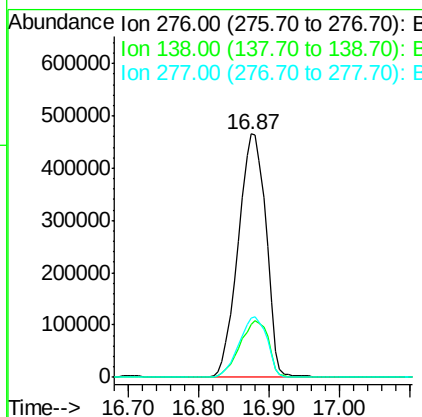
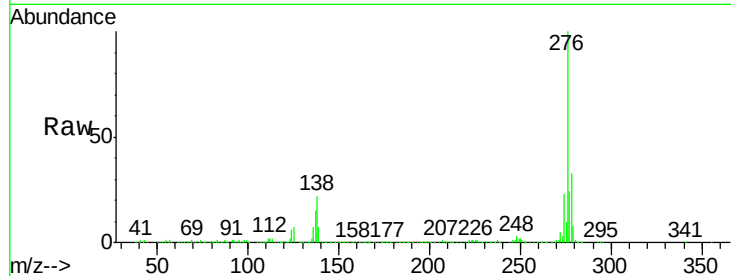




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 51.464 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

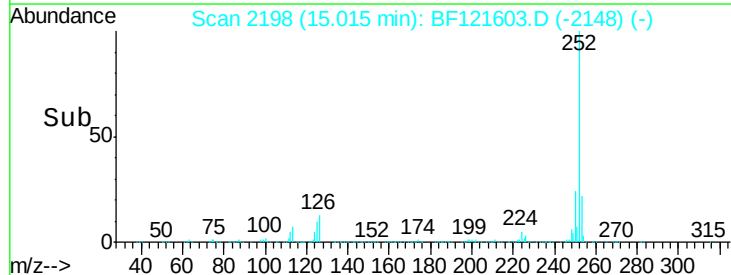
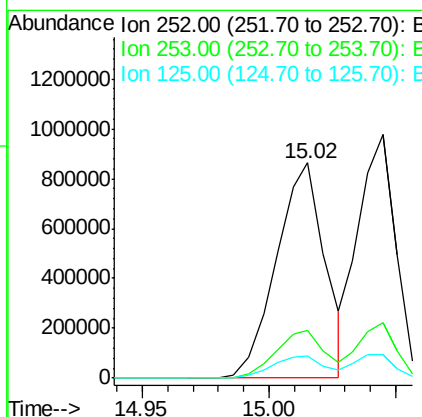
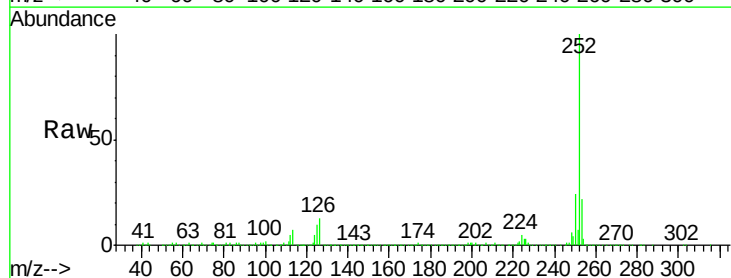
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

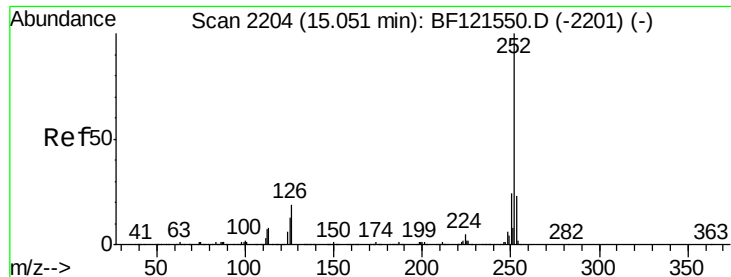
Tot Ion:276 Resp: 1280676
 Ion Ratio Lower Upper
 276 100
 138 24.0 20.6 31.0
 277 25.4 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 45.090 ng
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion:252 Resp: 1151824
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.9 26.9
 125 10.2 9.2 13.8

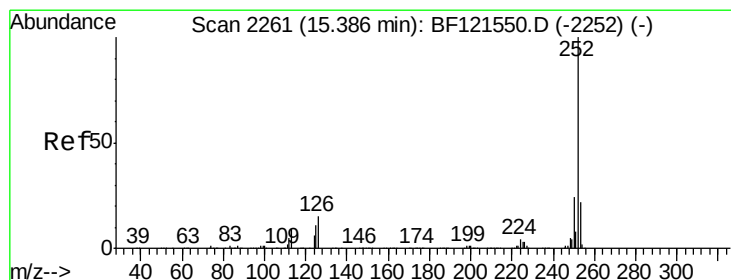
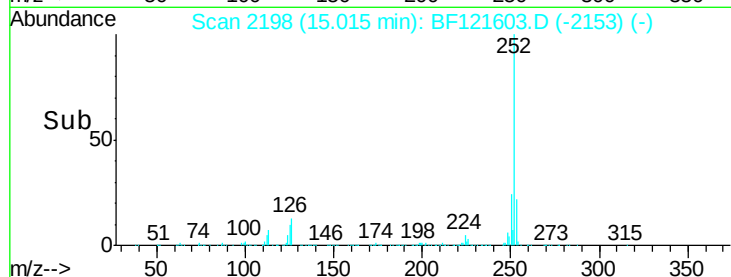
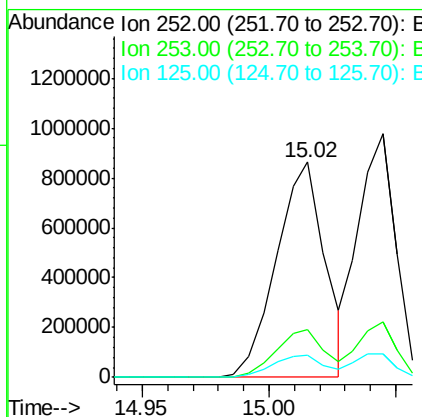
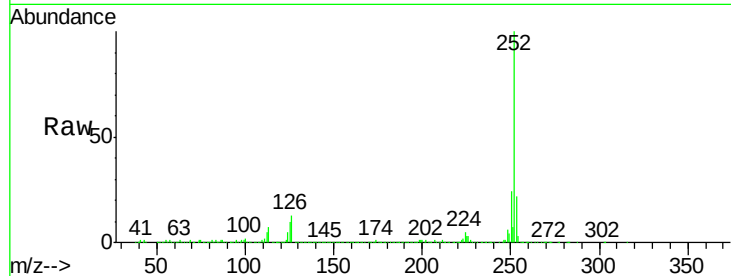




#89
Benzo(k)fluoranthene
Concen: 49.239 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

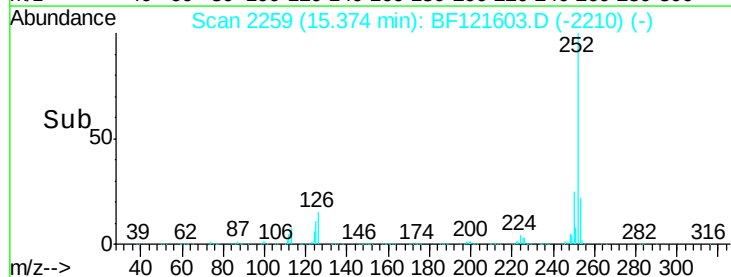
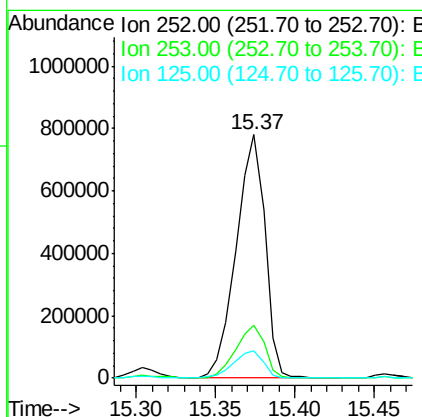
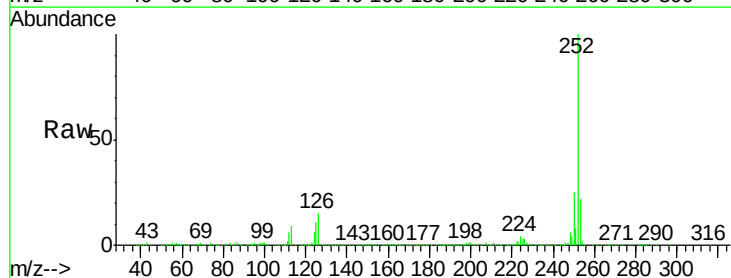
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

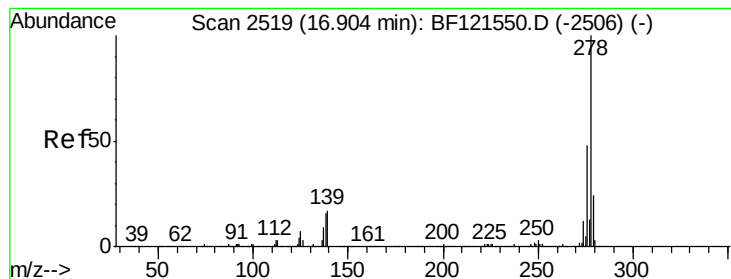
Tot Ion:252 Resp: 1151824
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.2 9.8 14.6



#90
Benzo(a)pyrene
Concen: 45.197 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:252 Resp: 981406
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.3 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 49.043 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

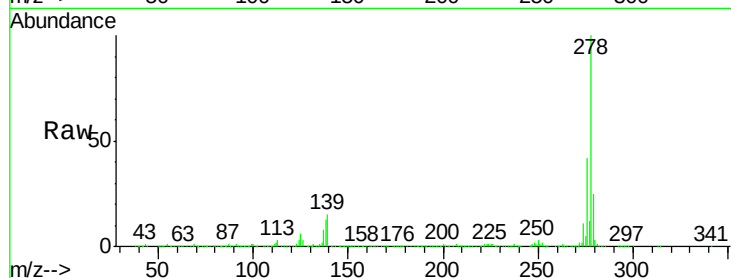
BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion:278 Resp: 1015921

Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.9	20.9
279	24.6	19.2	28.8

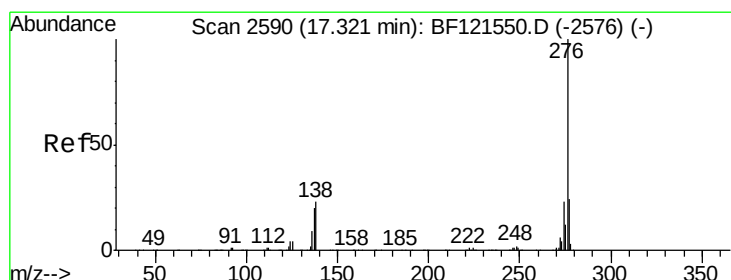
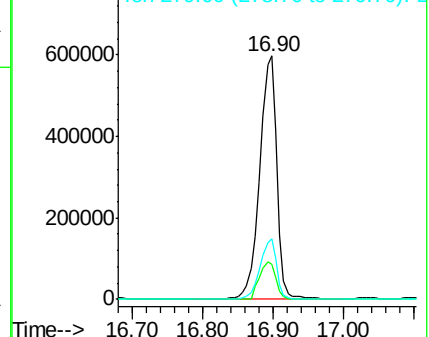
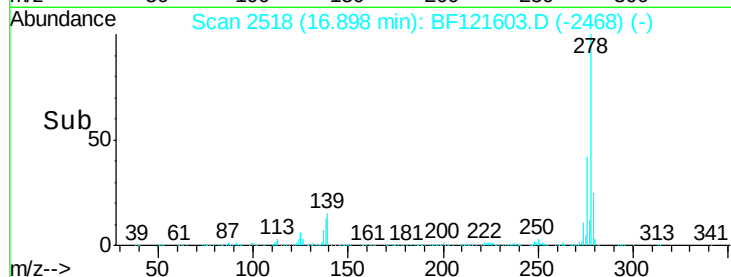


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 53.212 ng

RT: 17.32 min Scan# 2589

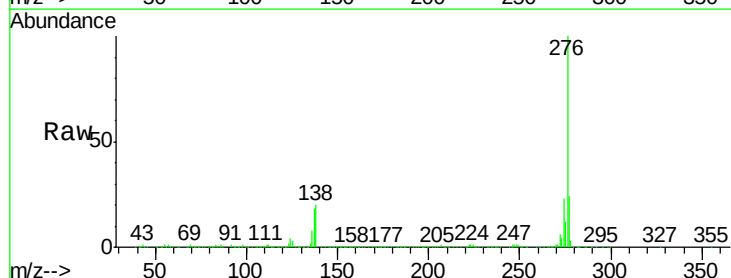
Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:276 Resp: 1083499

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.5	18.7	28.1



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

