

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
 Data File : BF121602.D
 Acq On : 17 Sep 2020 17:53
 Operator : JU/CG
 Sample : L4032-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Quant Time: Sep 18 00:44:10 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	186703	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	717130	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	368500	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	679602	20.00	ng	0.00
76) Chrysene-d12	13.98	240	424422	20.00	ng	-0.01
86) Perylene-d12	15.43	264	378211	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1302845	103.70	ng	0.01
7) Phenol-d6	6.47	99	1685898	102.29	ng	0.00
23) Nitrobenzene-d5	7.39	82	1189291	89.04	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	547062	119.45	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	2000652	82.23	ng	0.00
79) Terphenyl-d14	12.93	244	1952377	93.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	222398	38.533	ng	99
3) Pyridine	3.41	79	645453	40.453	ng	100
4) n-Nitrosodimethylamine	3.37	42	312819	42.267	ng	98
6) Aniline	6.49	93	517636	24.114	ng	# 87
8) 2-Chlorophenol	6.61	128	560580	43.826	ng	98
9) Benzaldehyde	6.37	77	246531	22.880	ng	98
10) Phenol	6.48	94	687825	39.189	ng	84
11) bis(2-Chloroethyl)ether	6.56	93	568955	43.011	ng	97
12) 1,3-Dichlorobenzene	6.76	146	588589	41.227	ng	98
13) 1,4-Dichlorobenzene	6.84	146	594142	41.446	ng	98
14) 1,2-Dichlorobenzene	6.99	146	570722	43.217	ng	100
15) Benzyl Alcohol	6.97	79	492684	43.979	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	859130	40.360	ng	93
17) 2-Methylphenol	7.09	107	461034	42.361	ng	95
18) Hexachloroethane	7.33	117	219104	42.686	ng	99
19) n-Nitroso-di-n-propylamine	7.25	70	388054	40.852	ng	98
20) 3+4-Methylphenols	7.24	107	528740	40.435	ng	96
22) Acetophenone	7.23	105	731608	40.210	ng	94
24) Nitrobenzene	7.41	77	607719	42.069	ng	96
25) Isophorone	7.65	82	1089697	40.529	ng	99
26) 2-Nitrophenol	7.72	139	293417	43.404	ng	95
27) 2,4-Dimethylphenol	7.76	122	493189	41.093	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	692625	41.612	ng	99
29) 2,4-Dichlorophenol	7.97	162	458752	41.967	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	485598	42.180	ng	100
31) Naphthalene	8.13	128	1556032	41.104	ng	100
32) Benzoic acid	7.91	122	364290	41.740	ng	98
33) 4-Chloroaniline	8.17	127	350486	21.358	ng	98
34) Hexachlorobutadiene	8.25	225	286457	42.391	ng	100
35) Caprolactam	8.56	113	100178	27.520	ng	98
36) 4-Chloro-3-methylphenol	8.67	107	495162	42.050	ng	98
37) 2-Methylnaphthalene	8.82	142	1020882	41.150	ng	100
38) 1-Methylnaphthalene	8.92	142	946835	41.008	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	465471	40.438	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	494667	75.252	ng	100
43) 2,4,6-Trichlorophenol	9.10	196	333930	42.561	ng	99
44) 2,4,5-Trichlorophenol	9.15	196	347961	41.952	ng	96
46) 1,1'-Biphenyl	9.28	154	1209568	41.001	ng	100
47) 2-Chloronaphthalene	9.31	162	947020	40.737	ng	99
48) 2-Nitroaniline	9.40	65	329937	45.671	ng	99
49) Acenaphthylene	9.72	152	1476235	41.329	ng	100
50) Dimethylphthalate	9.59	163	1336276	50.032	ng	98
51) 2,6-Dinitrotoluene	9.65	165	261959	46.055	ng	# 87
52) Acenaphthene	9.90	154	882790	39.130	ng	98
53) 3-Nitroaniline	9.82	138	171284	25.995	ng	94
54) 2,4-Dinitrophenol	9.92	184	249290	76.441	ng	# 90
55) Dibenzofuran	10.07	168	1286034	40.478	ng	99
56) 4-Nitrophenol	9.99	139	420897	80.097	ng	96
57) 2,4-Dinitrotoluene	10.05	165	338057	47.242	ng	96
58) Fluorene	10.41	166	988999	40.706	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.19	232	291788	43.272	ng	99
60) Diethylphthalate	10.29	149	1117569	42.917	ng	100
61) 4-Chlorophenyl-phenylether	10.40	204	487246	41.864	ng	96
62) 4-Nitroaniline	10.43	138	241183	36.864	ng	100
63) Azobenzene	10.56	77	1127366	40.654	ng	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	170264	41.852	ng	94
66) n-Nitrosodiphenylamine	10.52	169	952181	40.839	ng	99
67) 4-Bromophenyl-phenylether	10.89	248	327613	42.341	ng	94
68) Hexachlorobenzene	10.96	284	368591	42.211	ng	96
69) Atrazine	11.05	200	230304	39.758	ng	98
70) Pentachlorophenol	11.15	266	391879	81.717	ng	99
71) Phenanthrene	11.37	178	1514921	40.913	ng	100
72) Anthracene	11.42	178	1537079	40.226	ng	100
73) Carbazole	11.57	167	1375545	39.892	ng	99
74) Di-n-butylphthalate	11.90	149	1660193	41.716	ng	100
75) Fluoranthene	12.56	202	1601096	40.507	ng	98
77) Benzidine	12.67	184	525009	37.313	ng	100
78) Pyrene	12.79	202	1573821	50.753	ng	99
80) Butylbenzylphthalate	13.40	149	651128	51.919	ng	96
81) Benzo(a)anthracene	13.97	228	1154806	43.008	ng	99
82) 3,3'-Dichlorobenzidine	13.93	252	318354	30.370	ng	99
83) Chrysene	14.01	228	1163806	42.802	ng	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	829807	49.528	ng	99
85) Di-n-octyl phthalate	14.57	149	1339321	45.297	ng	99
87) Indeno(1,2,3-cd)pyrene	16.87	276	1236638	50.208	ng	99
88) Benzo(b)fluoranthene	15.02	252	1163299	46.010	ng	98
89) Benzo(k)fluoranthene	15.04	252	951179	41.082	ng	# 97
90) Benzo(a)pyrene	15.37	252	960489	44.690	ng	100
91) Dibenzo(a,h)anthracene	16.89	278	992053	48.386	ng	98
92) Benzo(g,h,i)perylene	17.32	276	1063789	52.783	ng	97

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

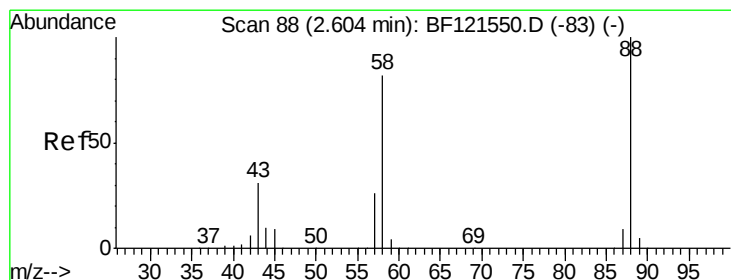
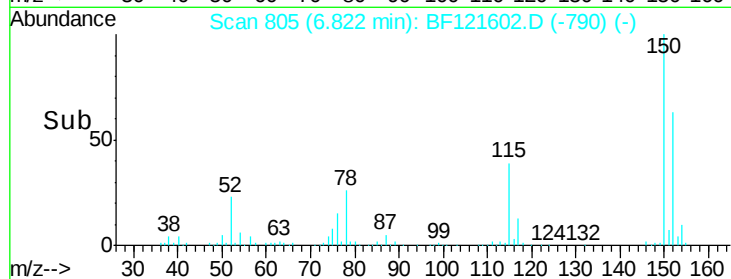
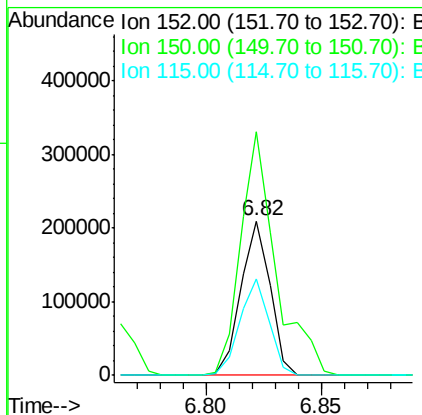
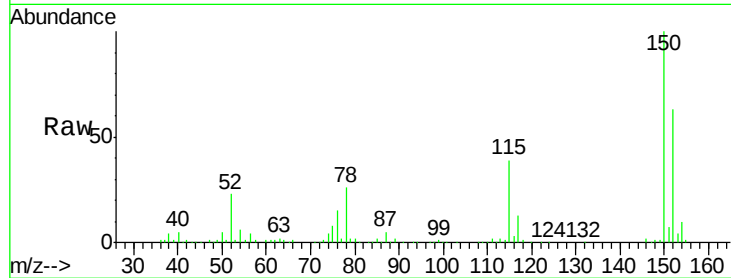


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
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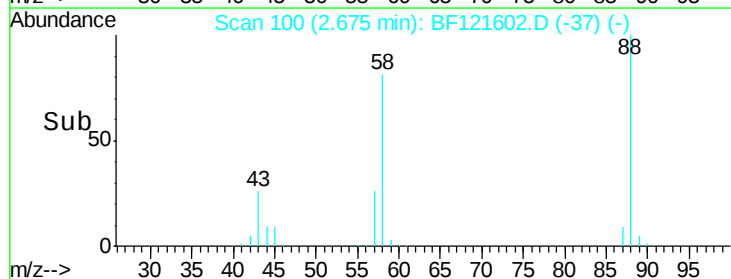
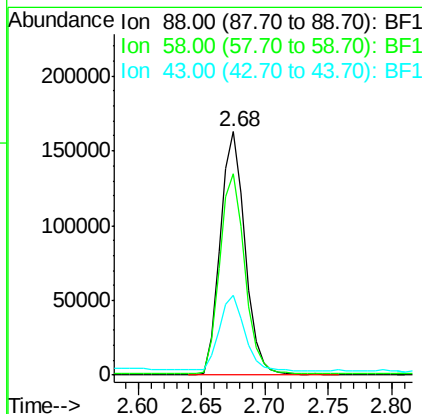
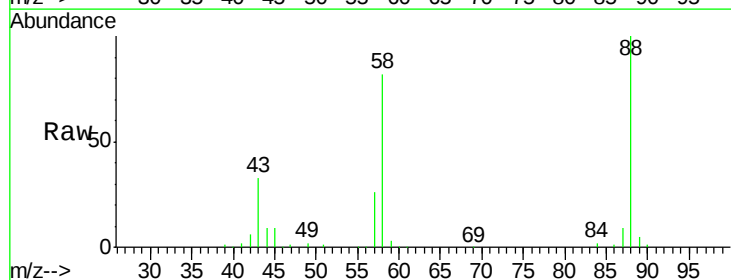
Tot Ion:152 Resp: 186703
Ion Ratio Lower Upper
152 100
150 157.6 125.8 188.6
115 62.0 47.8 71.8

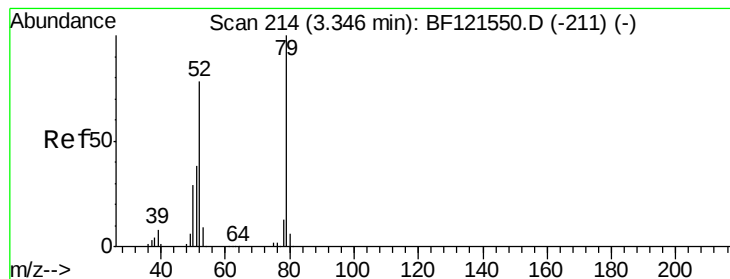


#2

1,4-Dioxane
Concen: 38.533 ng
RT: 2.68 min Scan# 100
Delta R.T. 0.07 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion: 88 Resp: 222398
Ion Ratio Lower Upper
88 100
58 82.5 65.1 97.7
43 31.7 25.0 37.4





#3

Pvridine

Concen: 40.453 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.06 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

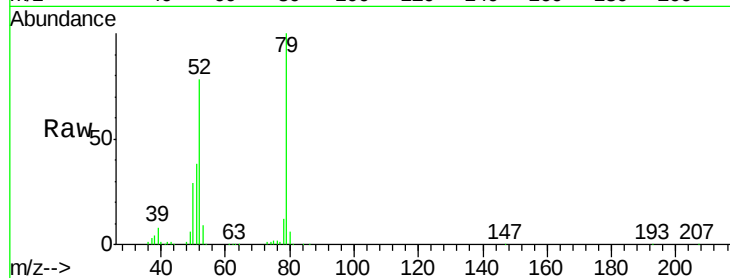
Tot Ion: 79 Resp: 645453

Ion Ratio Lower Upper

79 100

52 77.7 62.2 93.2

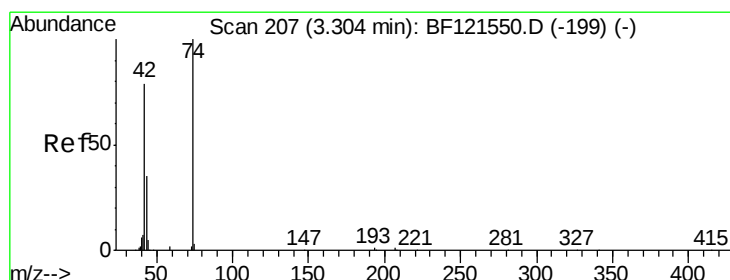
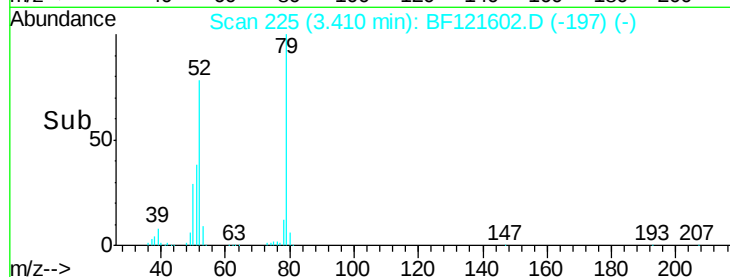
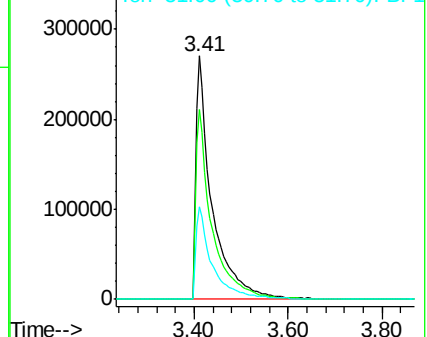
51 38.0 30.6 45.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 42.267 ng

RT: 3.37 min Scan# 218

Delta R.T. 0.06 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

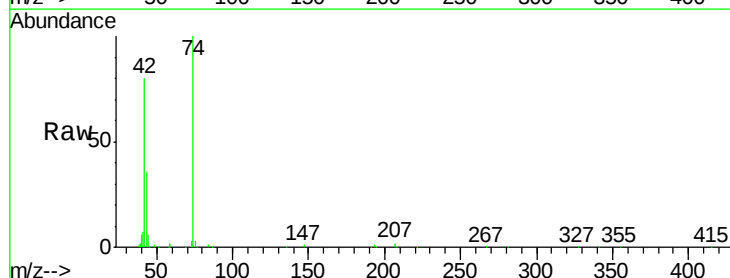
Tgt Ion: 42 Resp: 312819

Ion Ratio Lower Upper

42 100

74 124.7 101.7 152.5

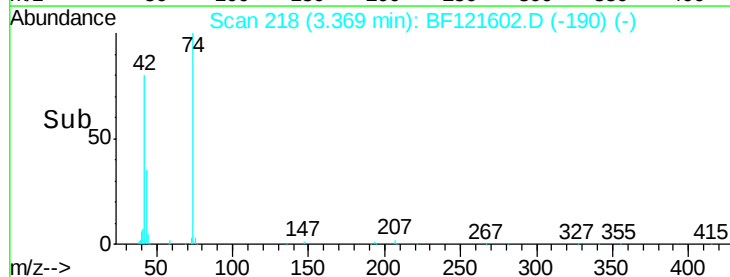
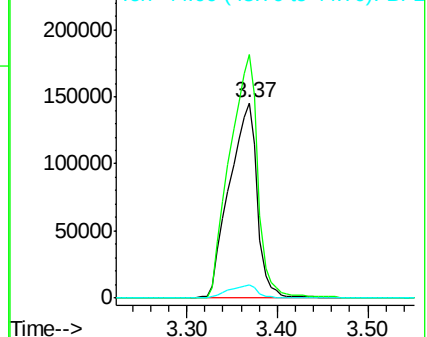
44 7.0 5.4 8.2

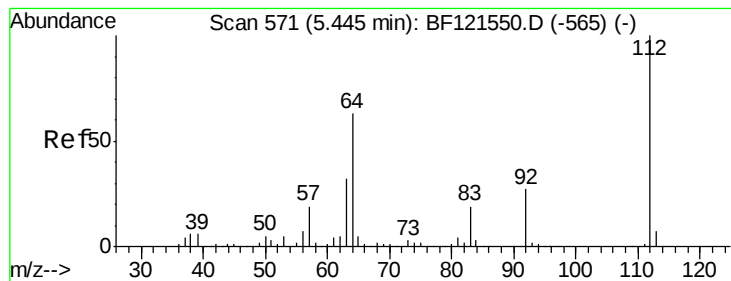


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 103.704 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

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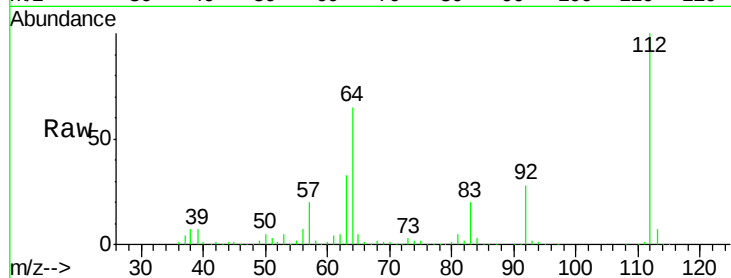
Tot Ion:112 Resp: 1302845

Ion Ratio Lower Upper

112 100

64 64.5 50.3 75.5

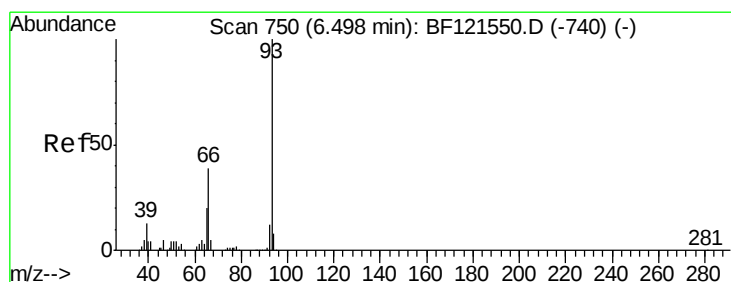
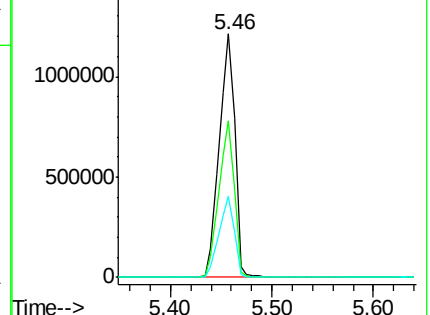
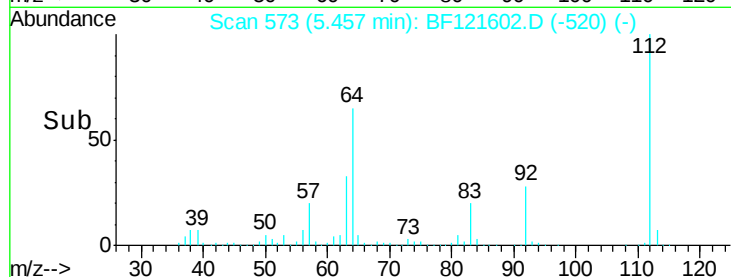
63 33.4 25.6 38.4



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: 24.114 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

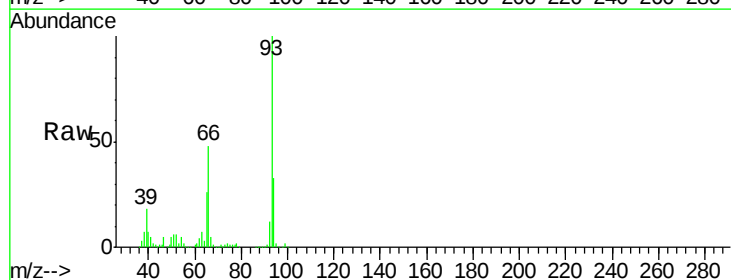
Tgt Ion: 93 Resp: 517636

Ion Ratio Lower Upper

93 100

66 48.0 31.8 47.8#

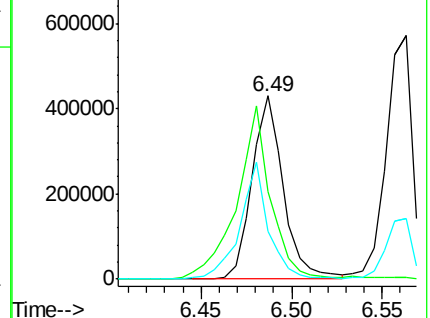
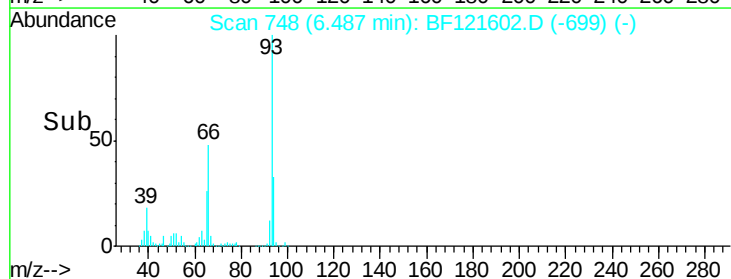
65 25.9 16.2 24.2#

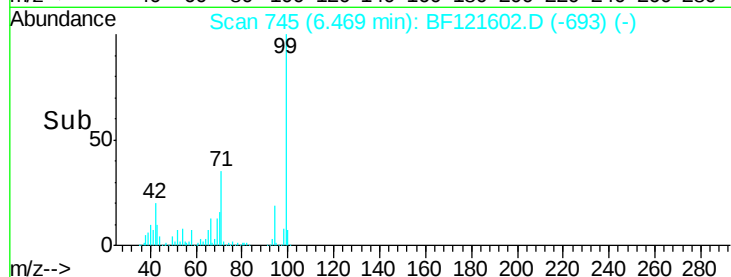
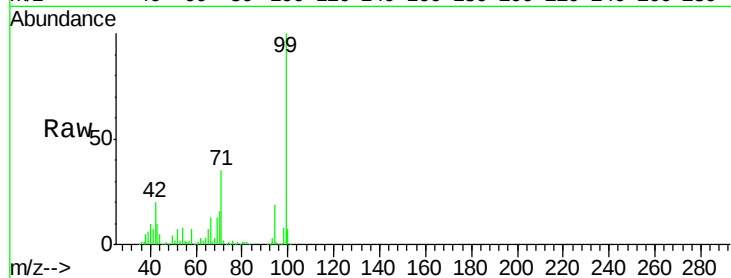
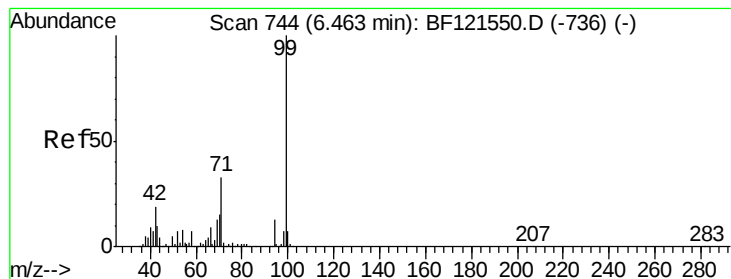


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 102.287 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

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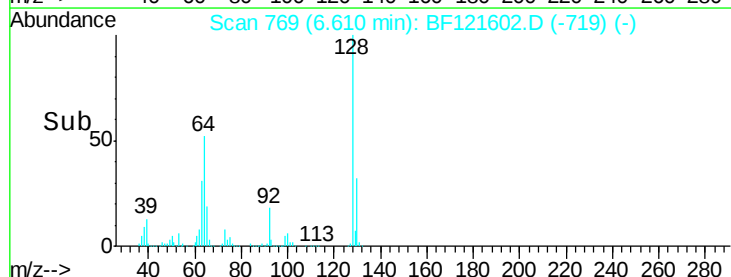
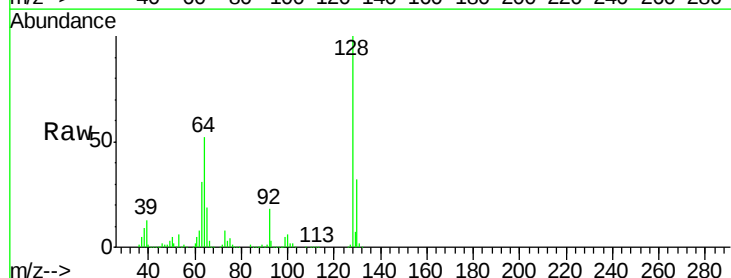
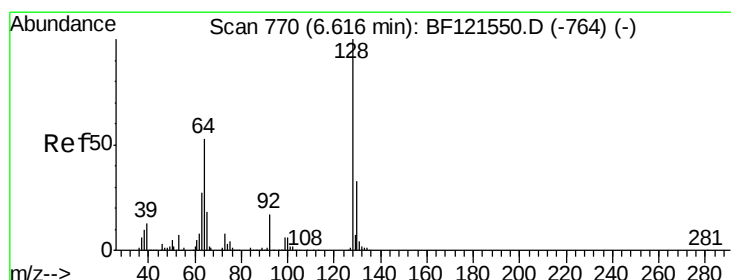
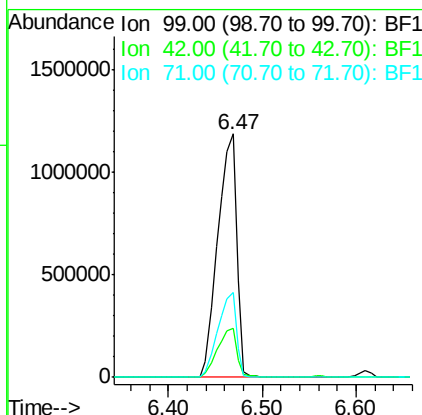
Tot Ion: 99 Resp: 1685898

Ion Ratio Lower Upper

99 100

42 20.0 15.5 23.3

71 34.9 26.1 39.1



#8

2-Chlorophenol

Concen: 43.826 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

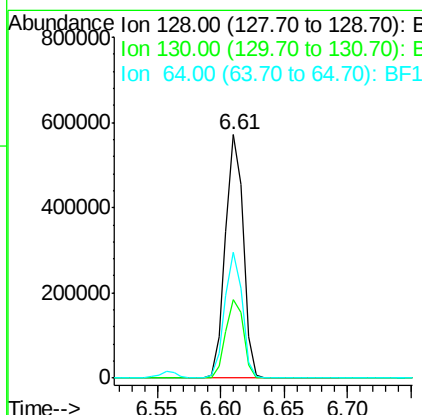
Tgt Ion: 128 Resp: 560580

Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

64 51.6 33.1 73.1





#9

Benzaldehyde

Concen: 22.880 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

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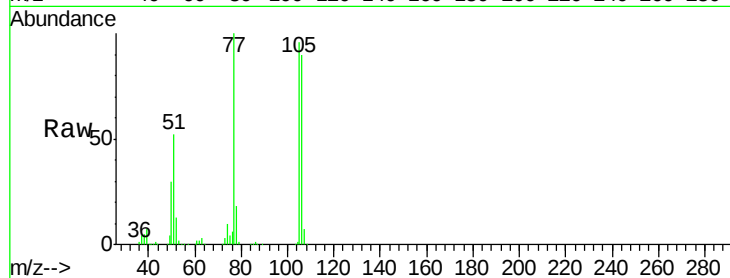
Tot Ion: 77 Resp: 246531

Ion Ratio Lower Upper

77 100

105 95.5 76.4 116.4

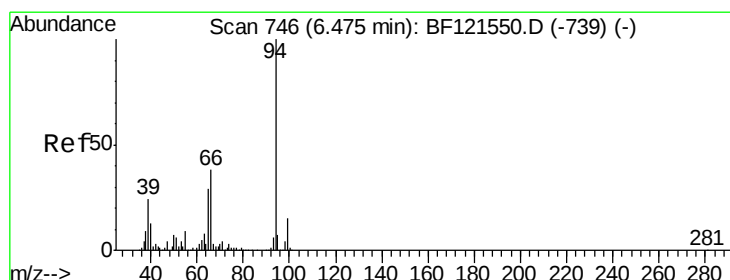
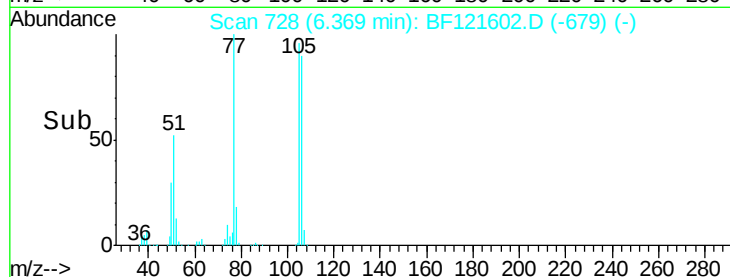
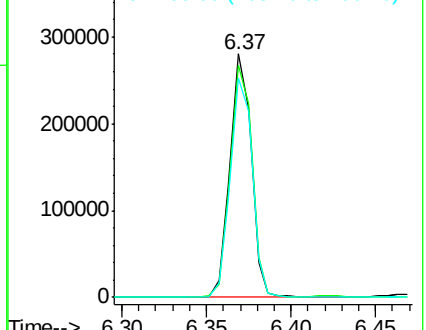
106 90.1 73.5 113.5



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: 39.189 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

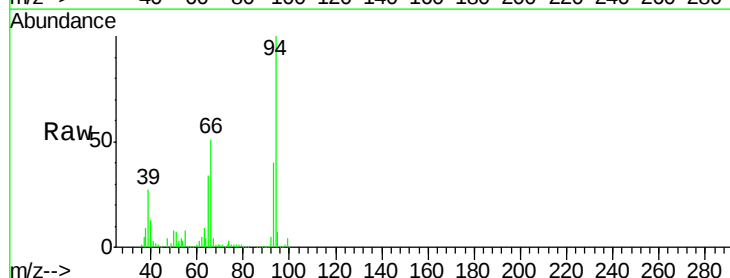
Tgt Ion: 94 Resp: 687825

Ion Ratio Lower Upper

94 100

65 34.4 9.4 49.4

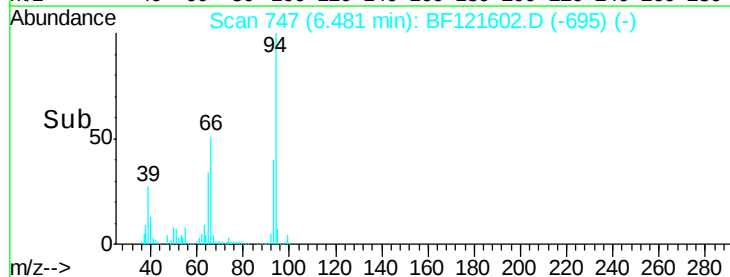
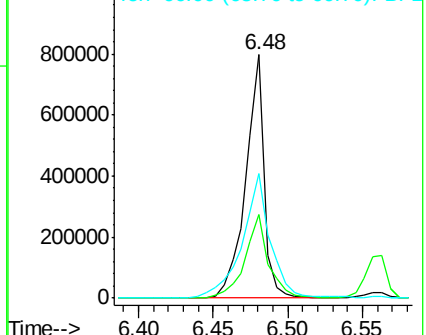
66 51.1 18.3 58.3

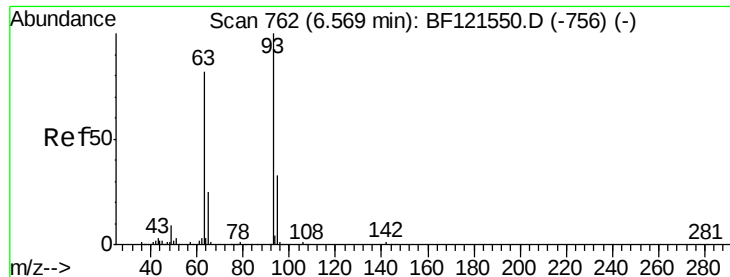


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 43.011 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

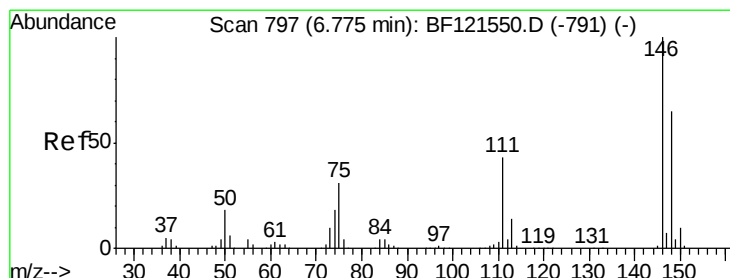
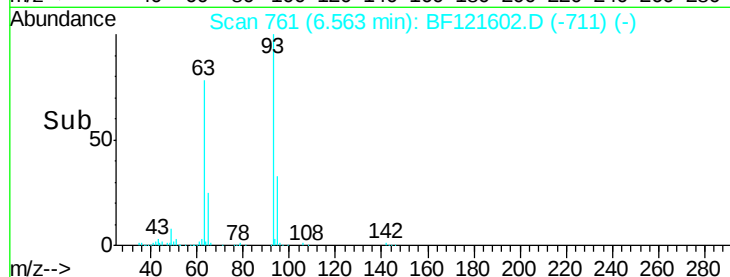
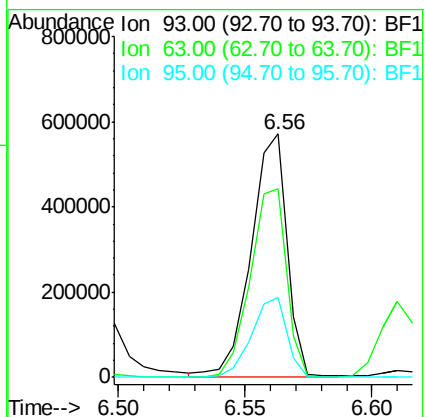
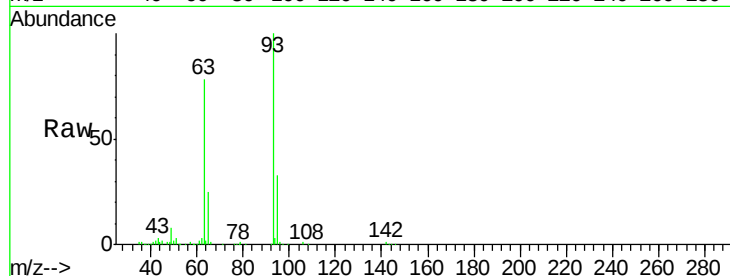
Tot Ion: 93 Resp: 568955

Ion Ratio Lower Upper

93 100

63 77.7 61.7 101.7

95 32.7 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 41.227 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

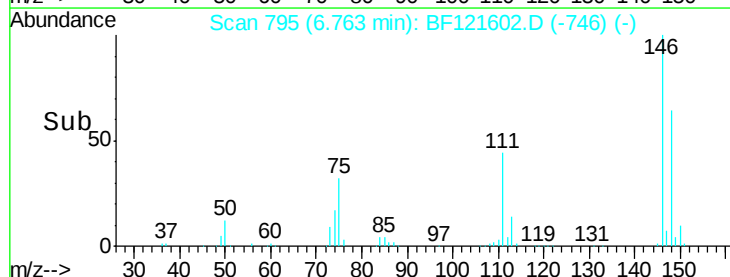
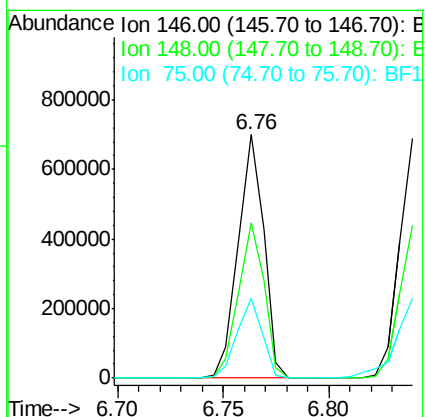
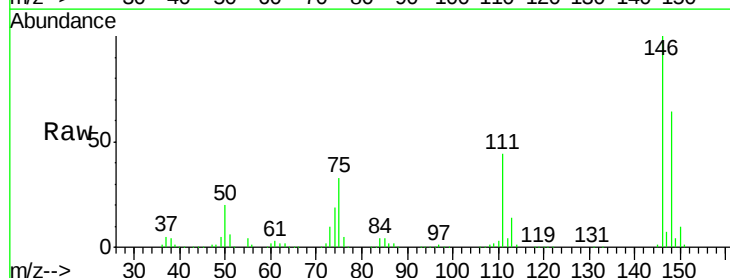
Tgt Ion: 146 Resp: 588589

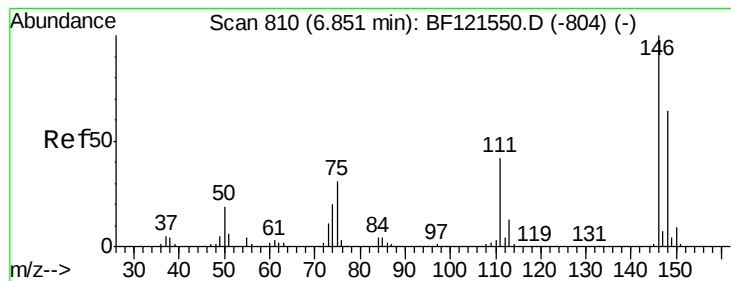
Ion Ratio Lower Upper

146 100

148 63.9 51.8 77.8

75 32.9 24.6 36.8





#13

1,4-Dichlorobenzene

Concen: 41.446 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

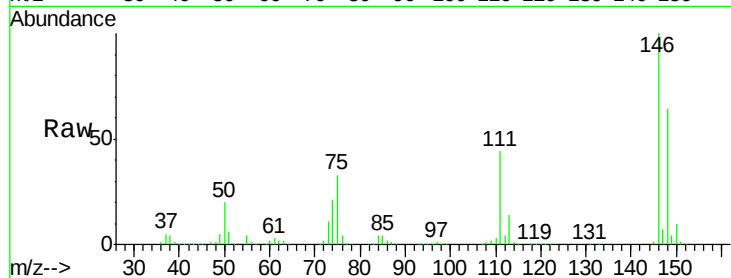
Tot Ion:146 Resp: 594142

Ion Ratio Lower Upper

146 100

148 63.5 51.2 76.8

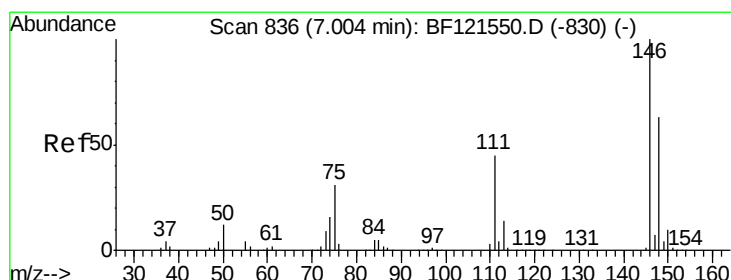
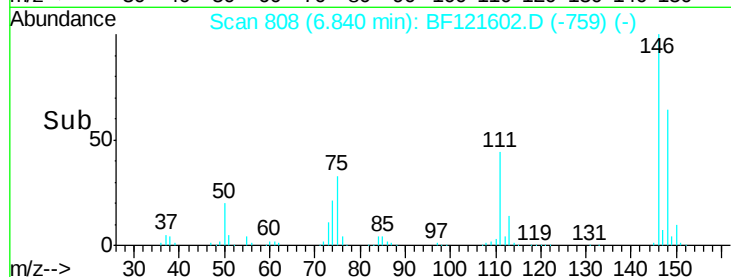
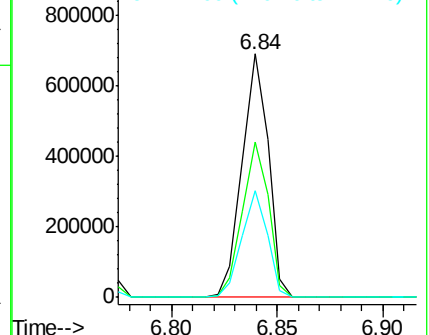
111 43.7 33.4 50.0



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: 43.217 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

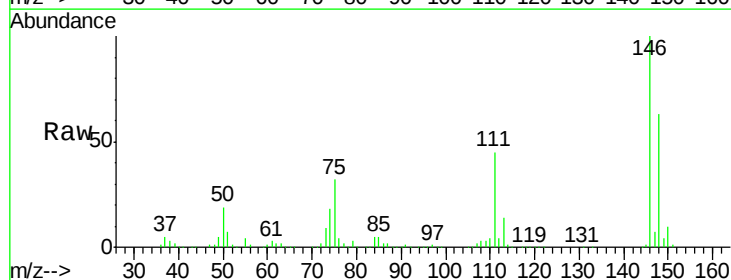
Tgt Ion:146 Resp: 570722

Ion Ratio Lower Upper

146 100

148 63.5 50.7 76.1

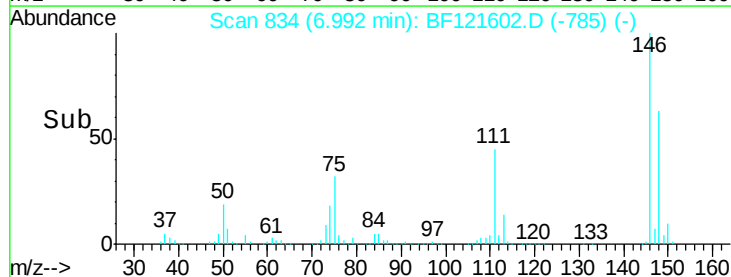
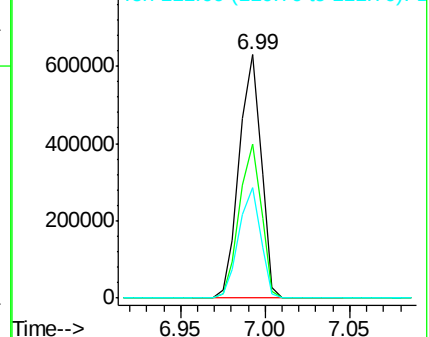
111 45.1 35.8 53.6

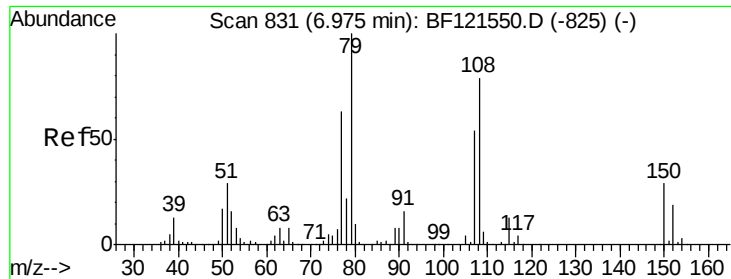


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

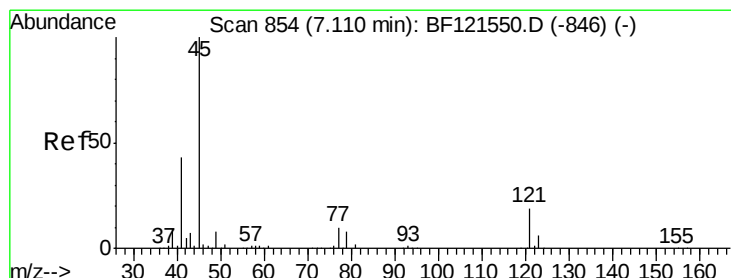
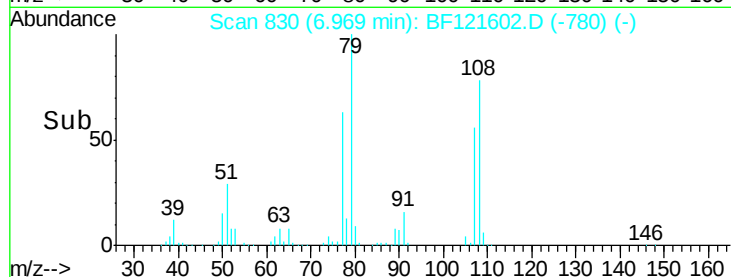
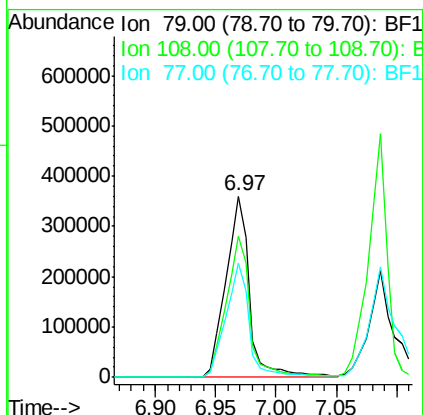
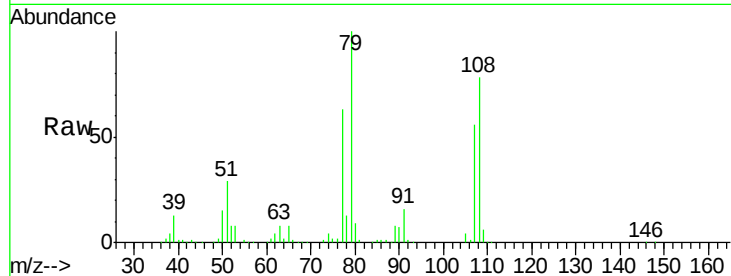




#15
Benzyl Alcohol
Concen: 43.979 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

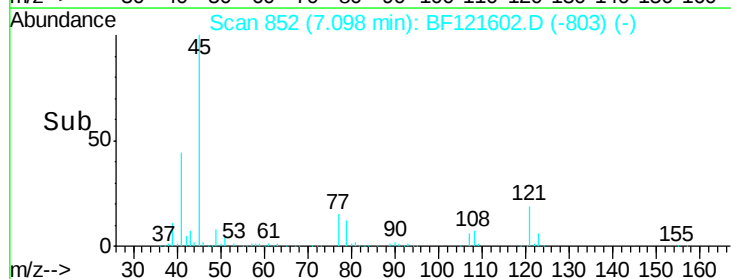
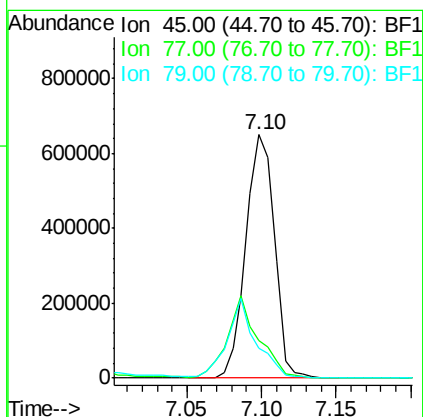
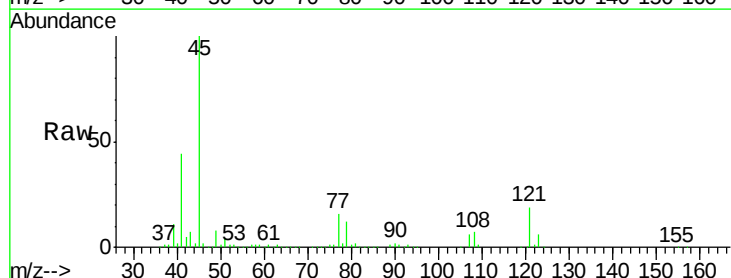
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

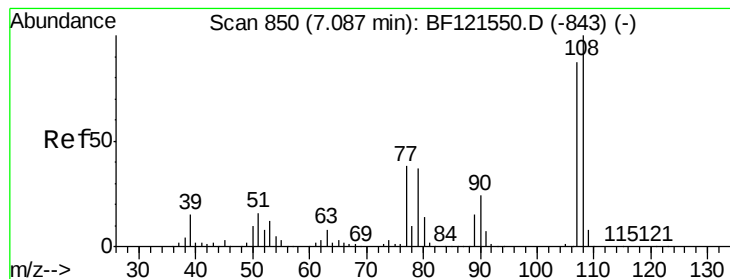
Tot Ion: 79 Resp: 492684
Ion Ratio Lower Upper
79 100
108 77.8 63.1 94.7
77 62.9 50.2 75.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.360 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion: 45 Resp: 859130
Ion Ratio Lower Upper
45 100
77 15.6 0.0 32.5
79 12.2 0.0 29.8





#17

2-Methylphenol

Concen: 42.361 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion:107 Resp: 461034

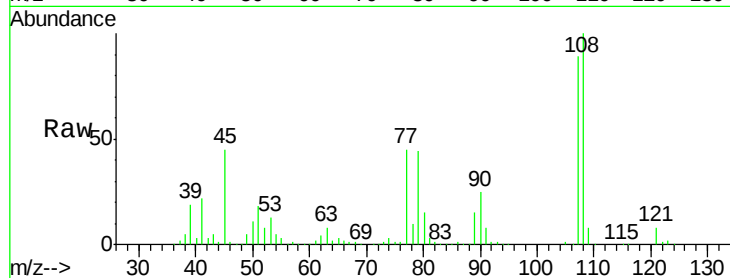
Ion Ratio Lower Upper

107 100

108 112.9 92.1 138.1

77 51.0 35.5 53.3

79 49.5 34.5 51.7

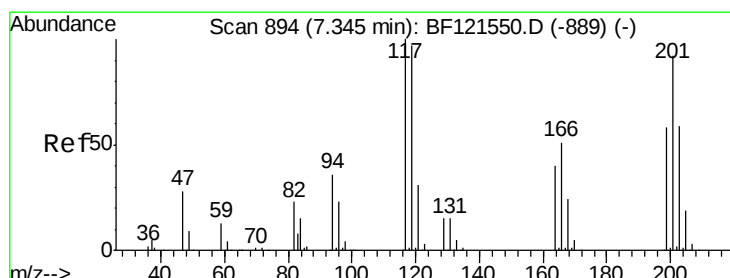
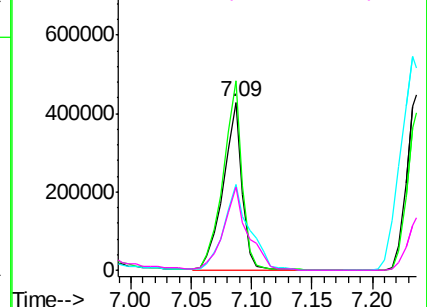
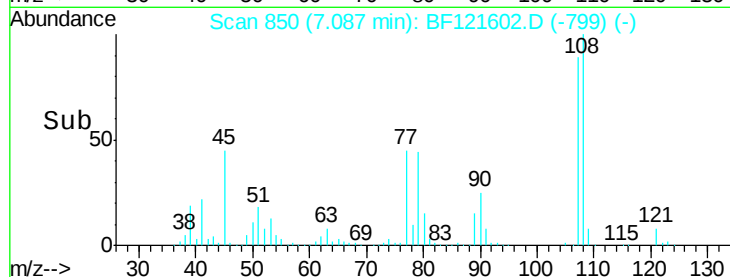


Abundance Ion 107.00 (106.70 to 107.70): E

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: 42.686 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

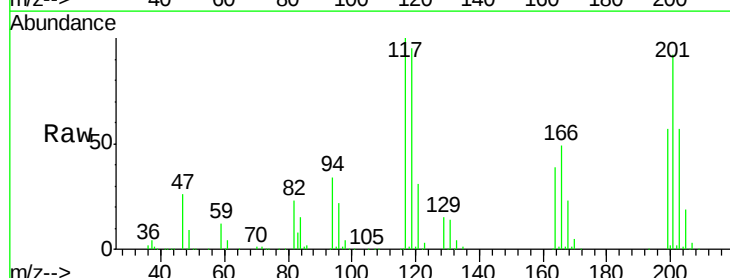
Tgt Ion:117 Resp: 219104

Ion Ratio Lower Upper

117 100

119 95.1 77.2 115.8

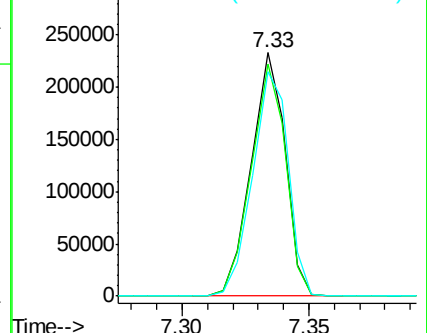
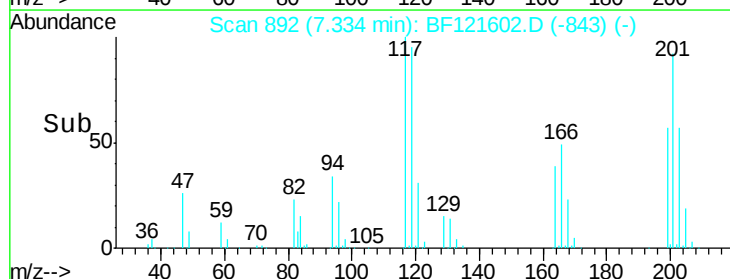
201 92.3 73.7 110.5

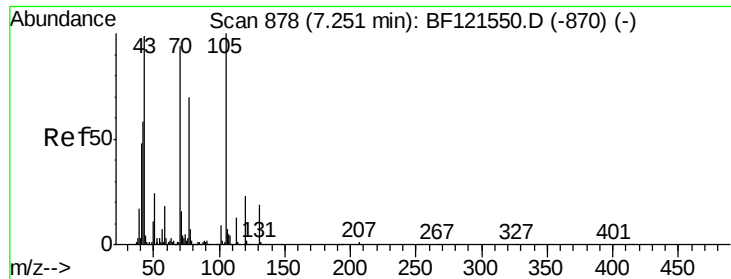


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

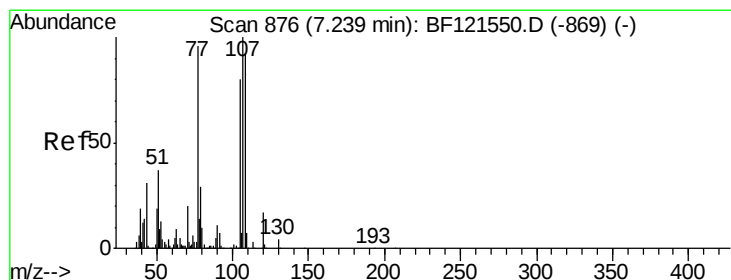
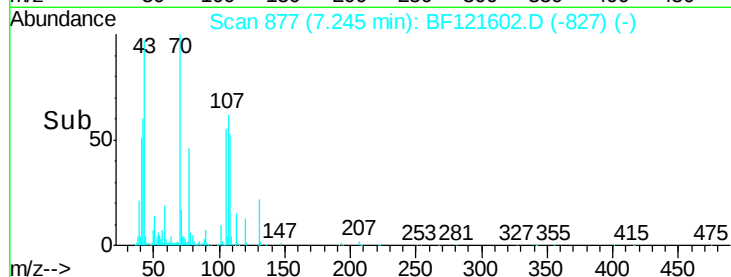
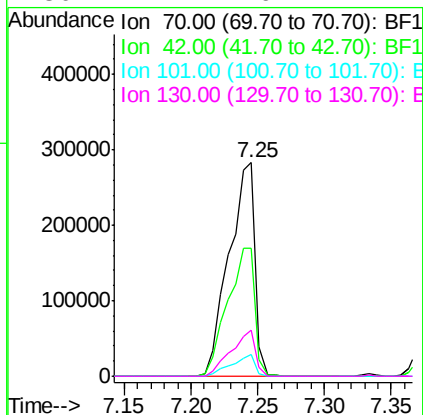
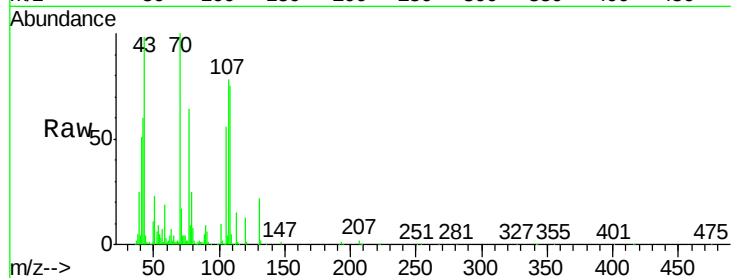




#19
n-Nitroso-di-n-propylamine
Concen: 40.852 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

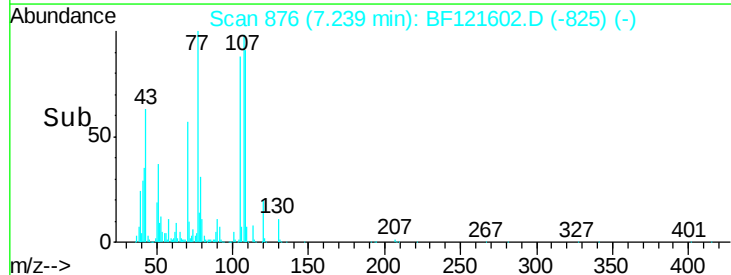
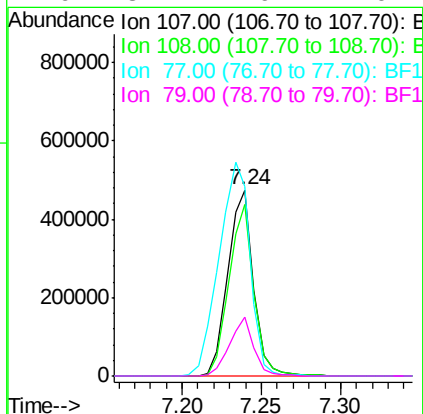
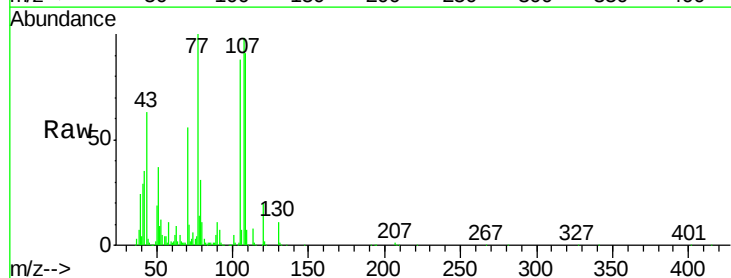
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

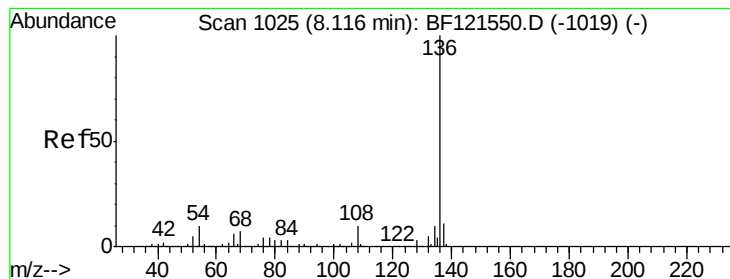
Tot Ion:	70	Resp:	388054
Ion	Ratio	Lower	Upper
70	100		
42	59.9	49.4	74.2
101	9.9	7.6	11.4
130	21.7	16.2	24.4



#20
3+4-Methylphenols
Concen: 40.435 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:	107	Resp:	528740
Ion	Ratio	Lower	Upper
107	100		
108	92.4	71.8	111.8
77	102.0	75.5	115.5
79	31.7	9.2	49.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion:136 Resp: 717130

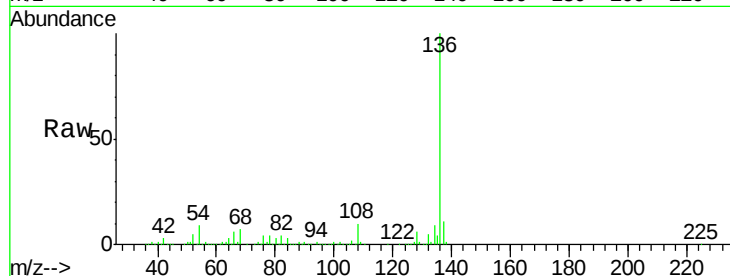
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 9.5 7.6 11.4

68 7.2 5.7 8.5

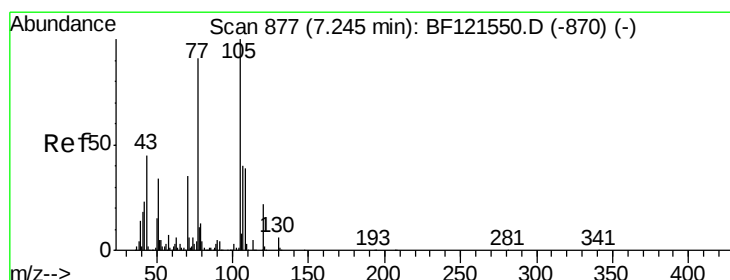
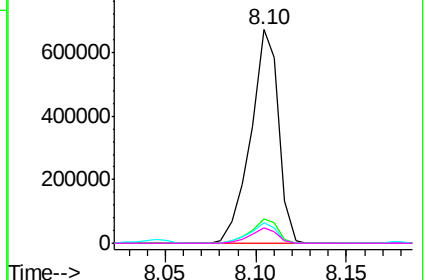
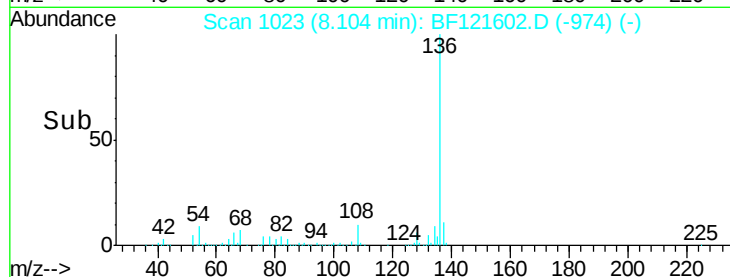


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.210 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:105 Resp: 731608

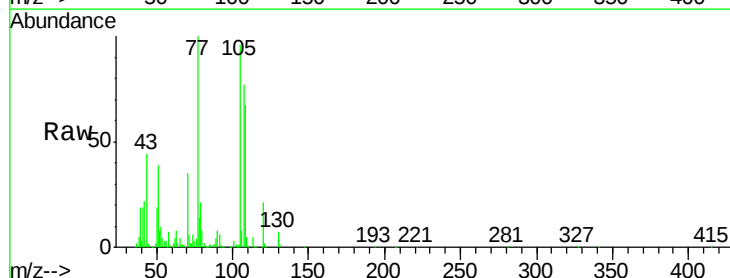
Ion Ratio Lower Upper

105 100

71 6.0 4.6 7.0

51 40.8 27.6 41.4

120 21.9 17.4 26.2

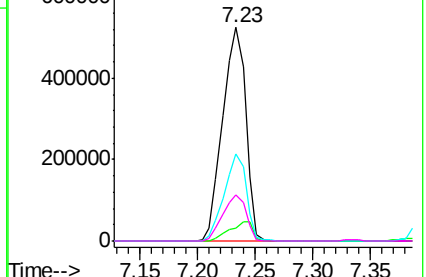
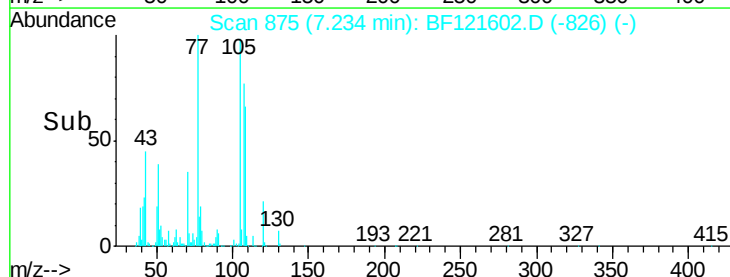


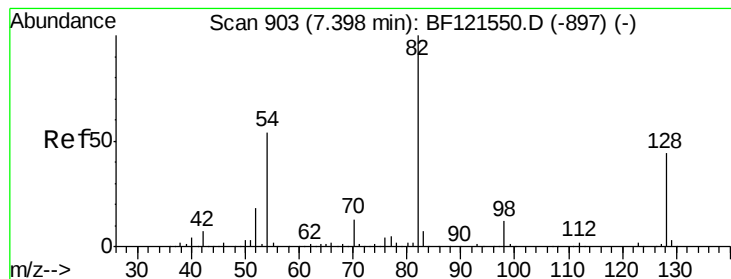
Abundance Ion 105.00 (104.70 to 105.70): E

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: 89.043 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

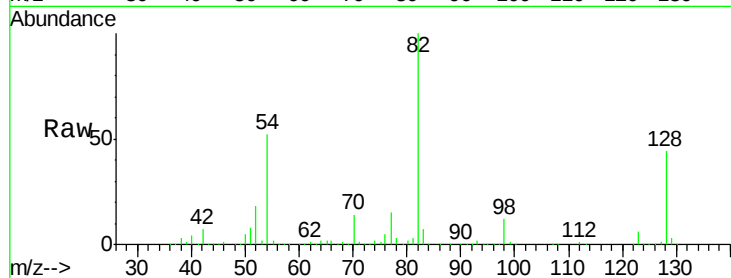
Tot Ion: 82 Resp: 1189291

Ion Ratio Lower Upper

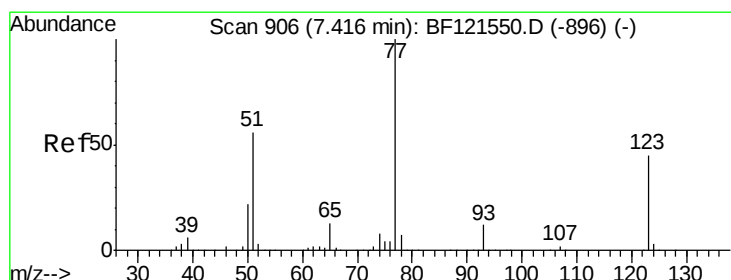
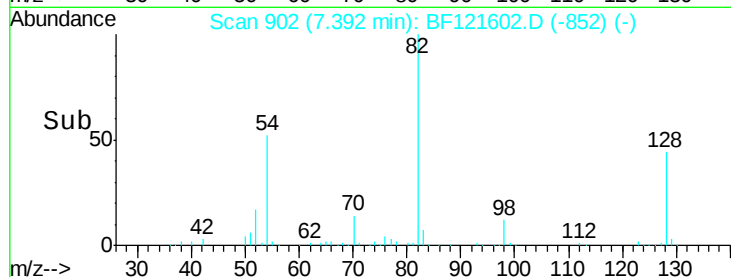
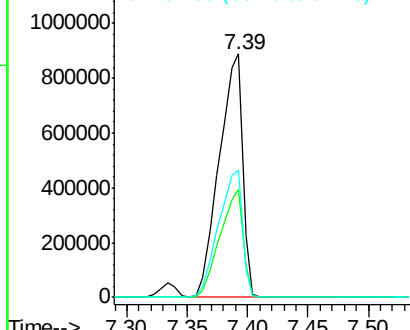
82 100

128 44.3 35.1 52.7

54 52.1 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 42.069 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

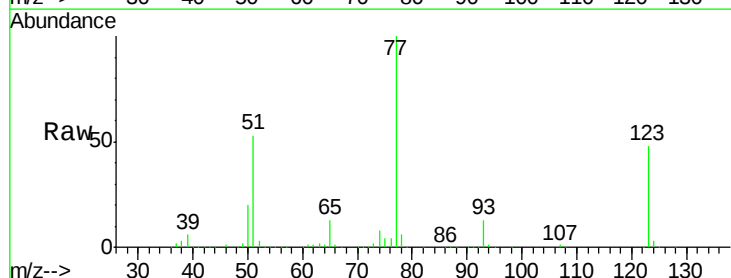
Tgt Ion: 77 Resp: 607719

Ion Ratio Lower Upper

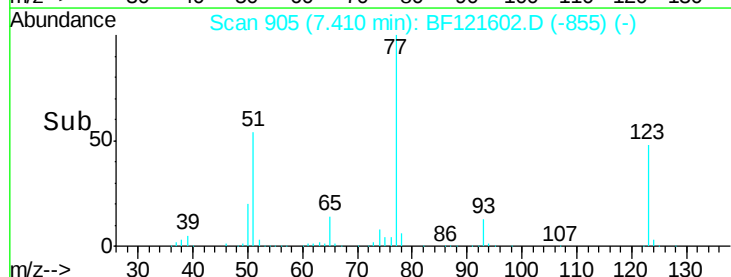
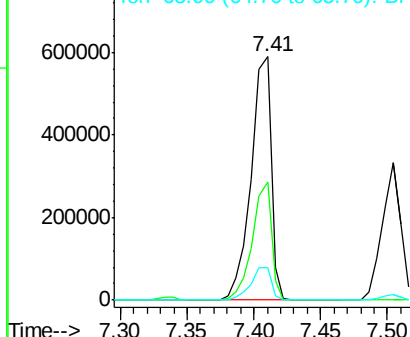
77 100

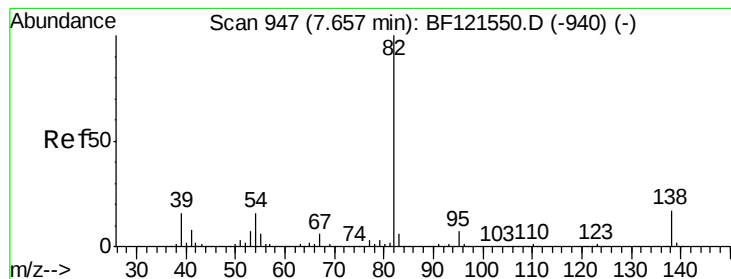
123 48.3 35.8 53.8

65 13.5 10.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.529 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

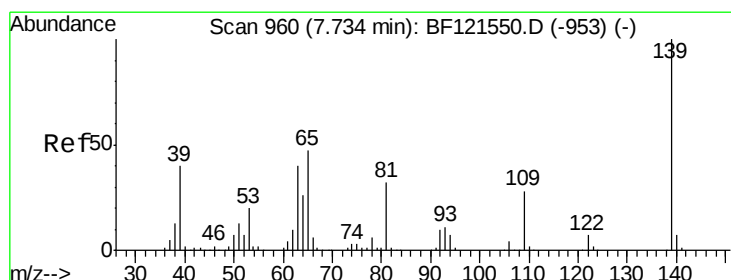
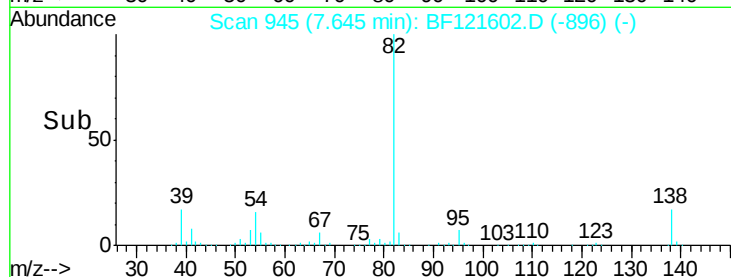
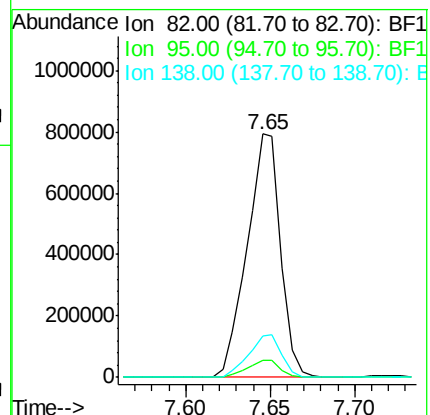
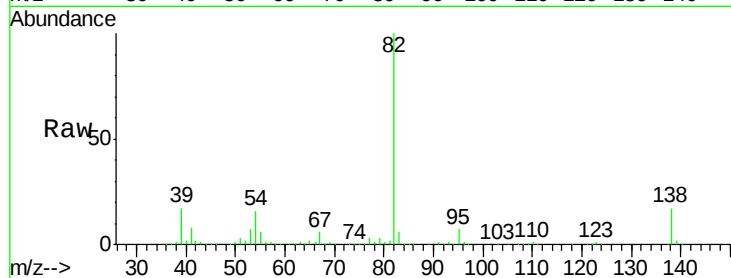
Tot Ion: 82 Resp: 1089697

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 16.8 13.7 20.5



#26

2-Nitrophenol

Concen: 43.404 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

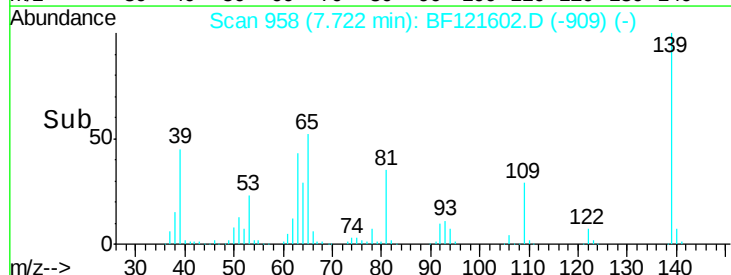
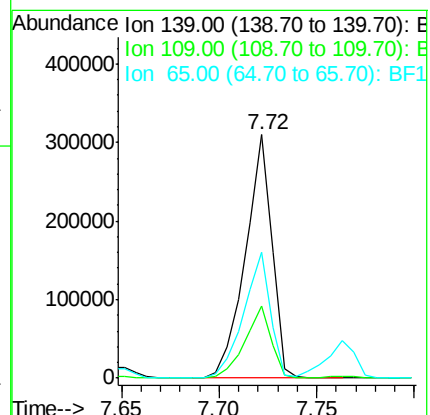
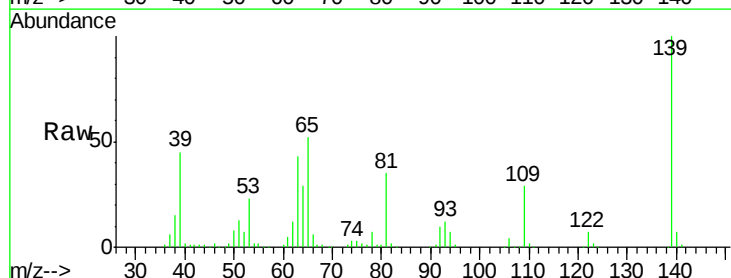
Tgt Ion: 139 Resp: 293417

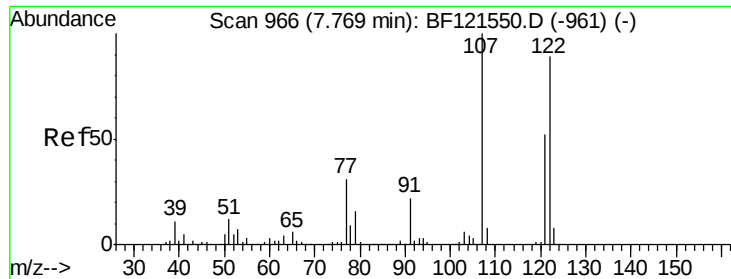
Ion Ratio Lower Upper

139 100

109 29.4 22.4 33.6

65 51.7 37.6 56.4





#27

2,4-Dimethylphenol

Concen: 41.093 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

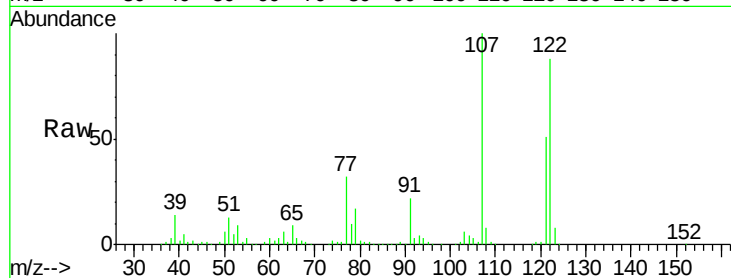
Tot Ion:122 Resp: 493189

Ion Ratio Lower Upper

122 100

107 113.6 89.5 134.3

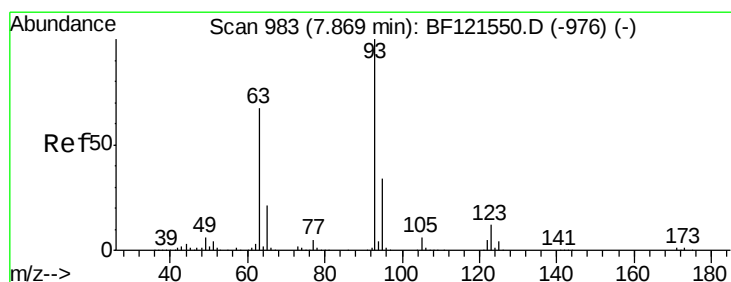
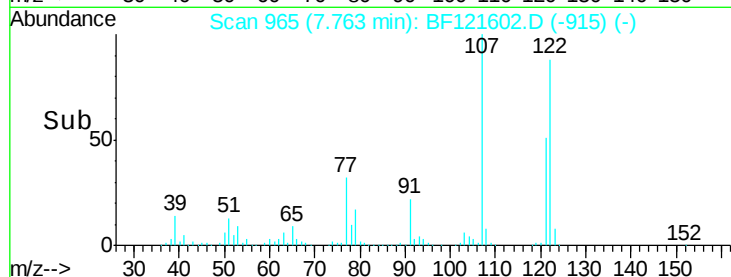
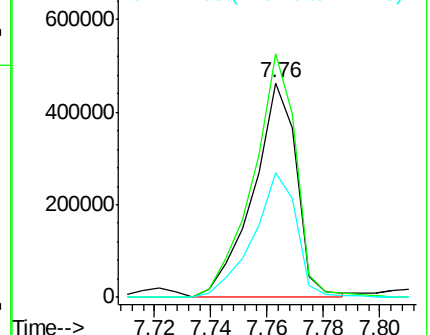
121 57.9 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 41.612 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

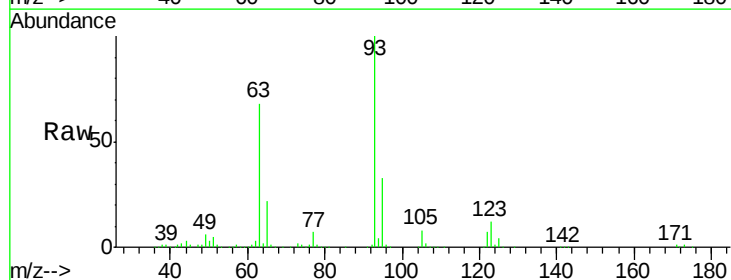
Tgt Ion: 93 Resp: 692625

Ion Ratio Lower Upper

93 100

95 32.7 26.8 40.2

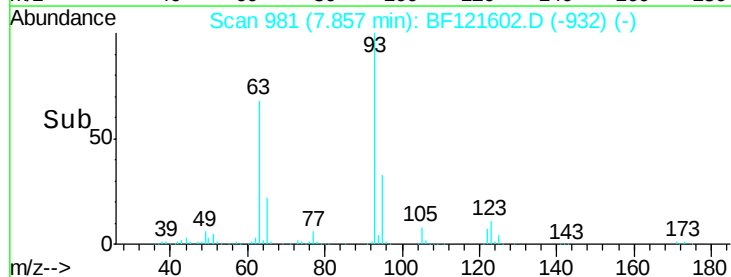
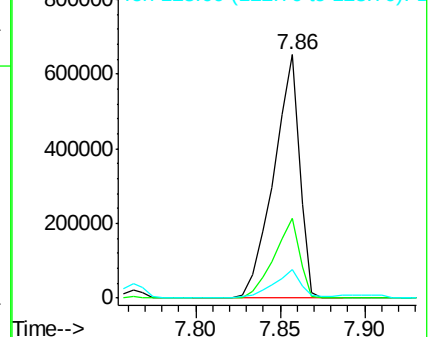
123 11.5 9.7 14.5

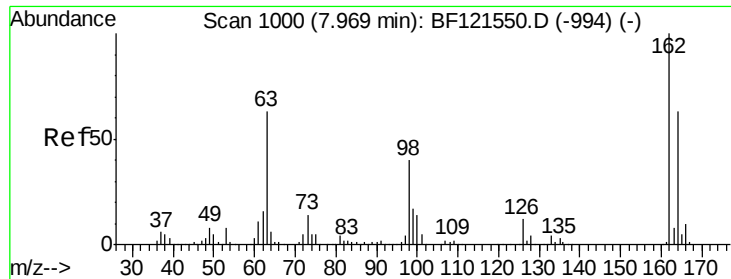


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

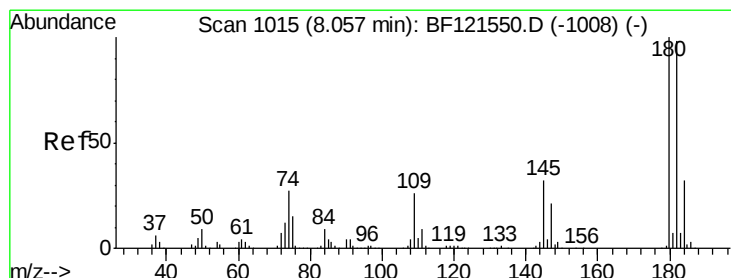
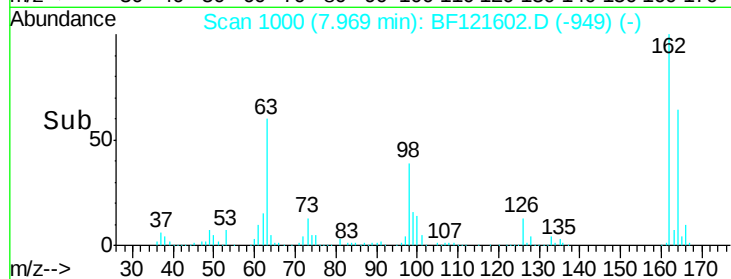
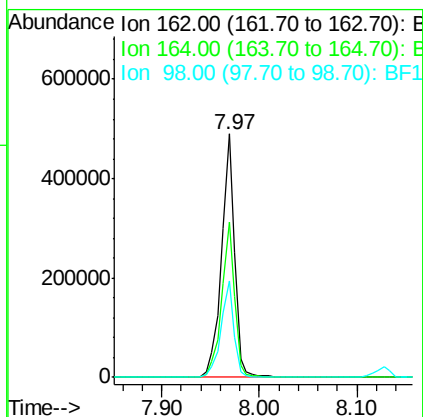
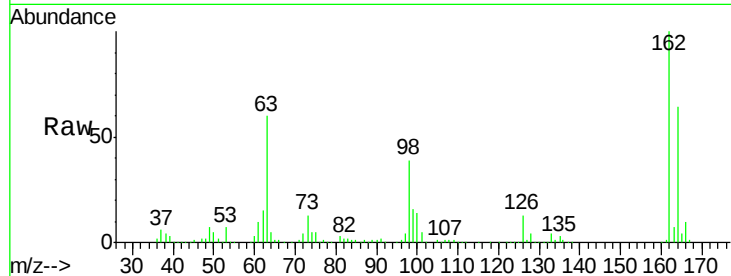




#29
 2,4-Dichlorophenol
 Concen: 41.967 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

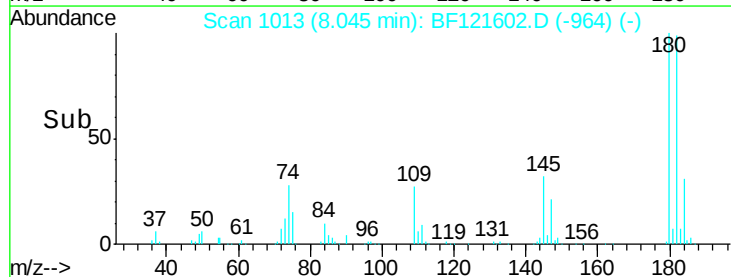
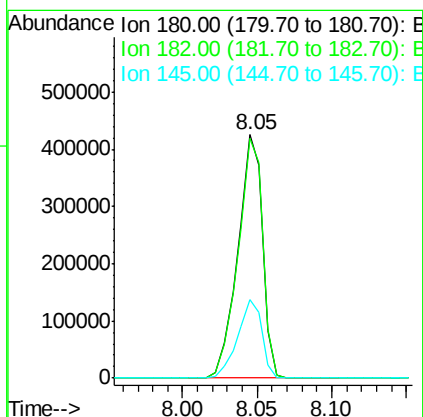
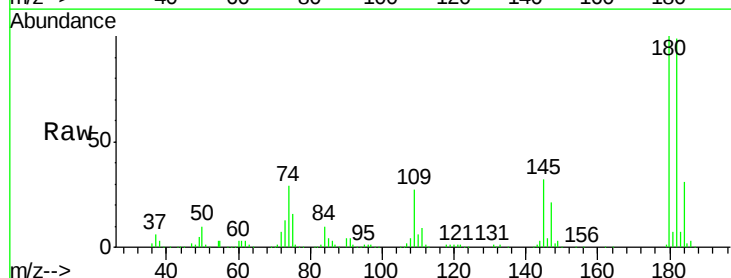
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

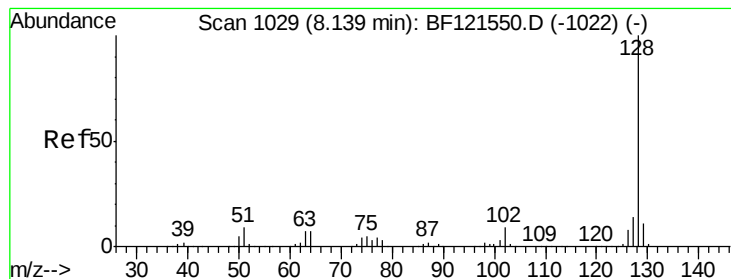
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.5	83.5
98	39.4	20.2	60.2



#30
 1,2,4-Trichlorobenzene
 Concen: 42.180 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	78.7	118.1
145	32.4	26.0	39.0





#31

Naphthalene

Concen: 41.104 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

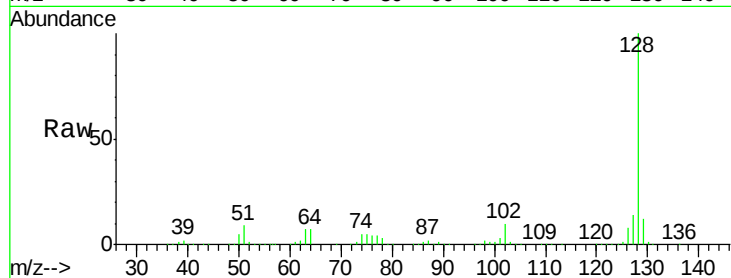
Tot Ion:128 Resp: 1556032

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

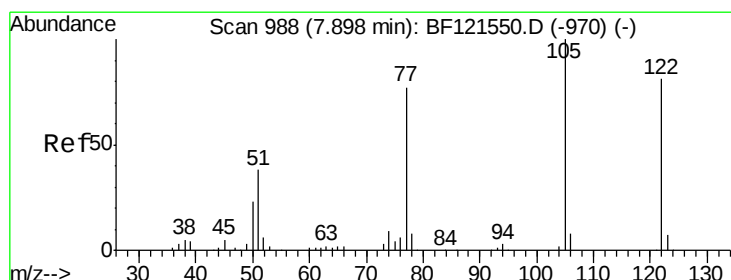
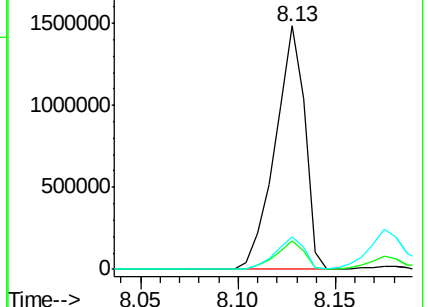
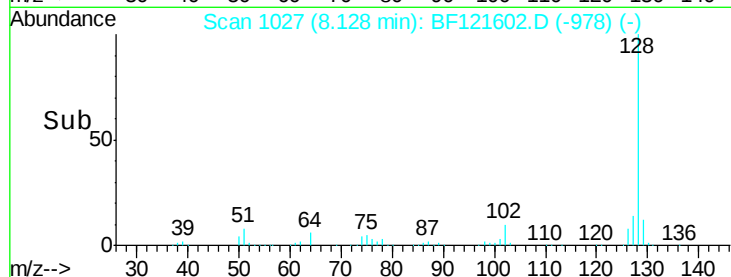
127 13.6 11.0 16.6



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: 41.740 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

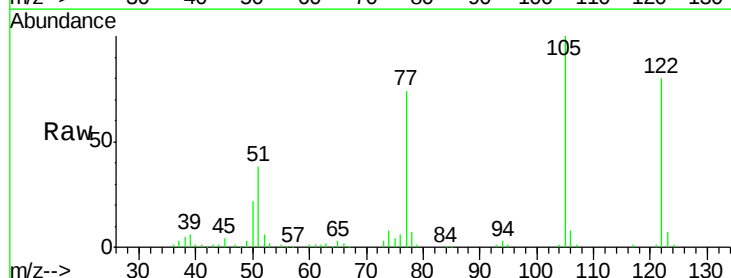
Tgt Ion:122 Resp: 364290

Ion Ratio Lower Upper

122 100

105 124.3 100.5 140.5

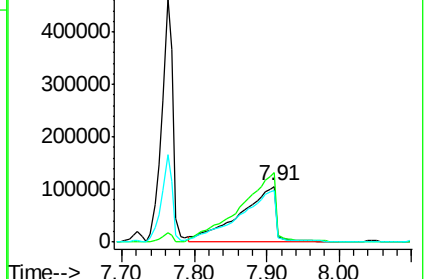
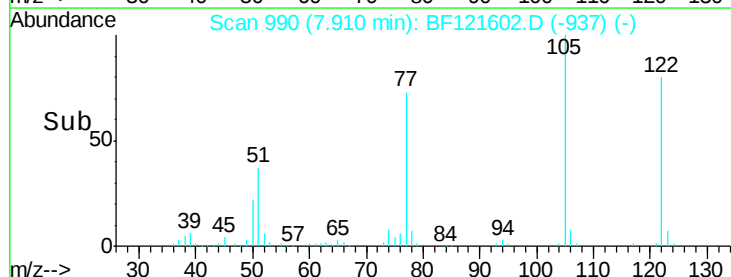
77 92.5 72.6 112.6

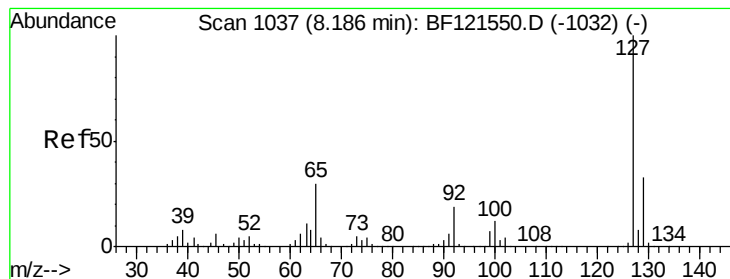


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 21.358 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion:127 Resp: 350486

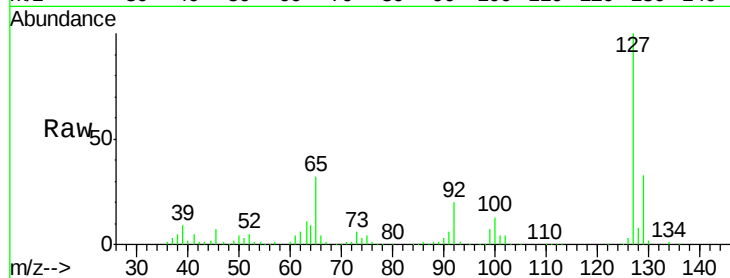
Ion Ratio Lower Upper

127 100

129 32.5 26.4 39.6

65 32.5 24.4 36.6

92 20.0 15.4 23.2

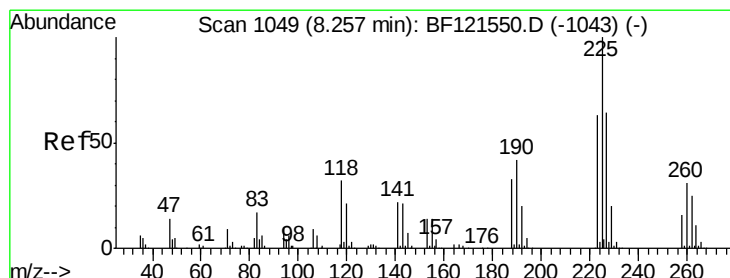
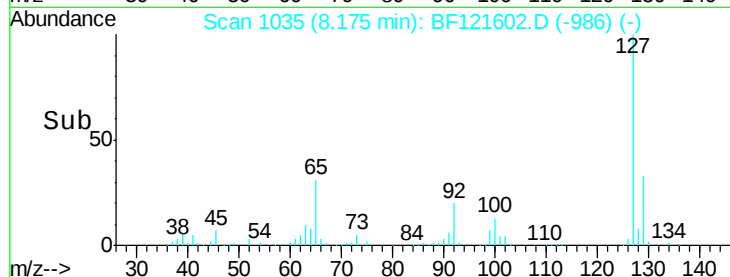
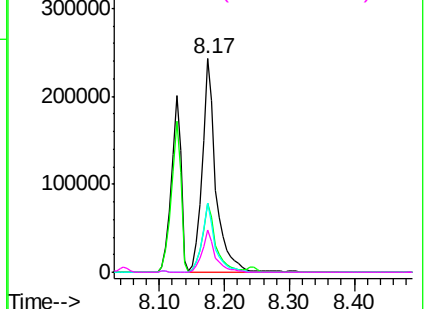


Abundance Ion 127.00 (126.70 to 127.70): E

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: 42.391 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

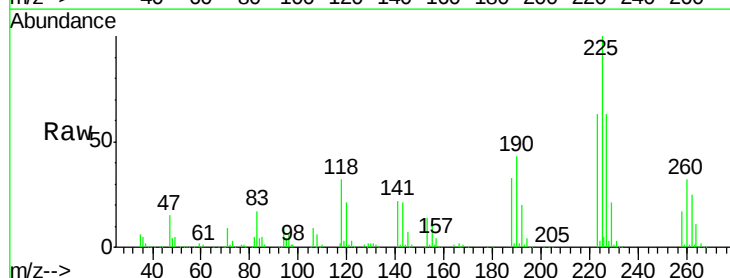
Tgt Ion:225 Resp: 286457

Ion Ratio Lower Upper

225 100

223 62.7 50.2 75.2

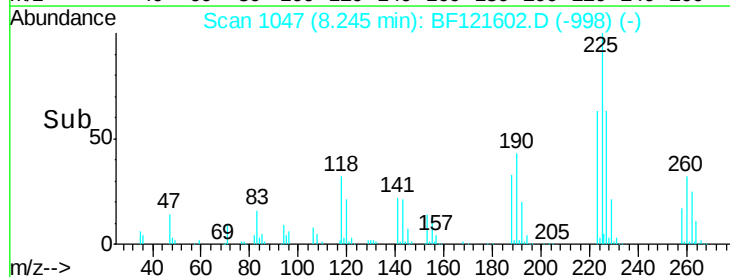
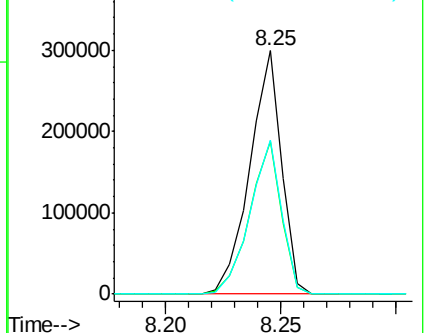
227 63.3 51.0 76.4

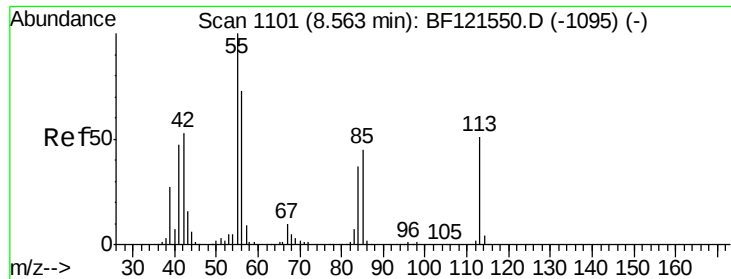


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

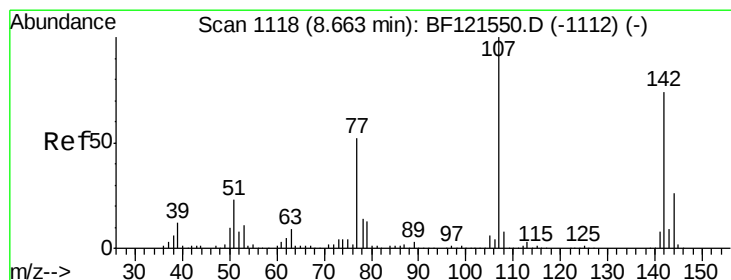
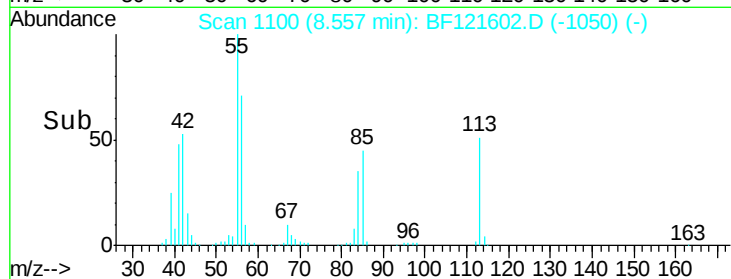
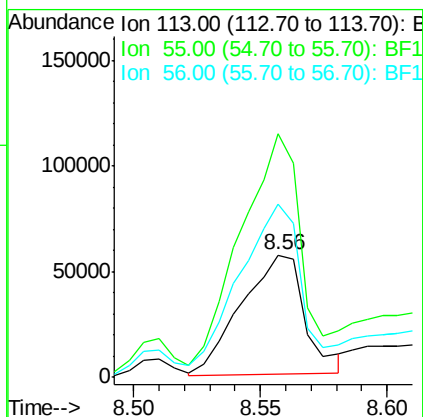
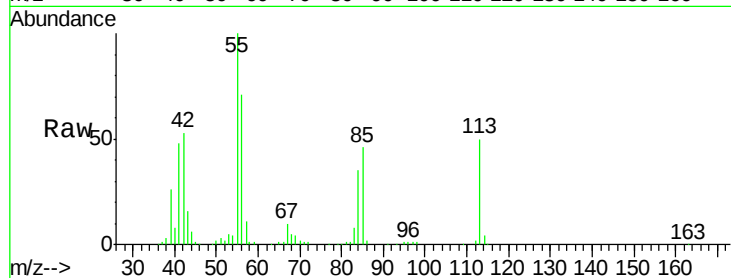




#35
 Caprolactam
 Concen: 27.520 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

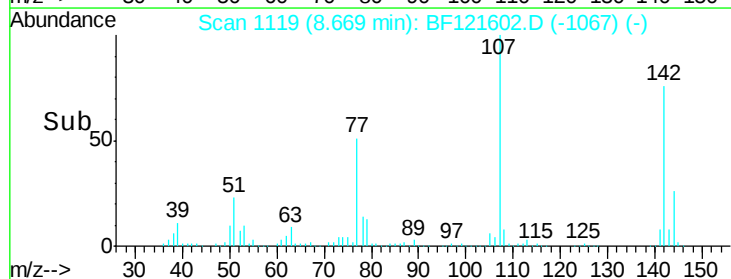
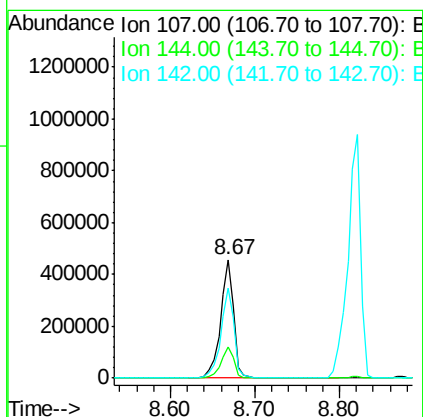
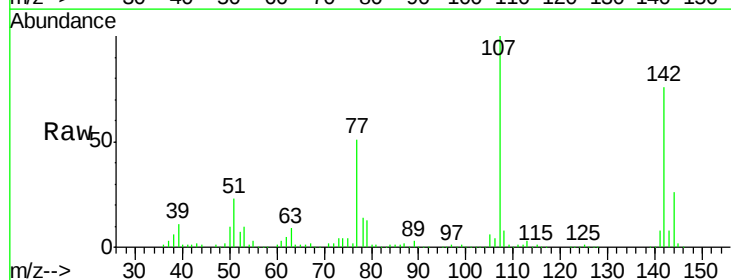
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion:113 Resp: 100178
 Ion Ratio Lower Upper
 113 100
 55 198.9 176.2 216.2
 56 141.8 123.9 163.9



#36
 4-Chloro-3-methylphenol
 Concen: 42.050 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion:107 Resp: 495162
 Ion Ratio Lower Upper
 107 100
 144 25.9 20.5 30.7
 142 76.4 59.5 89.3





#37

2-Methylnaphthalene

Concen: 41.150 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

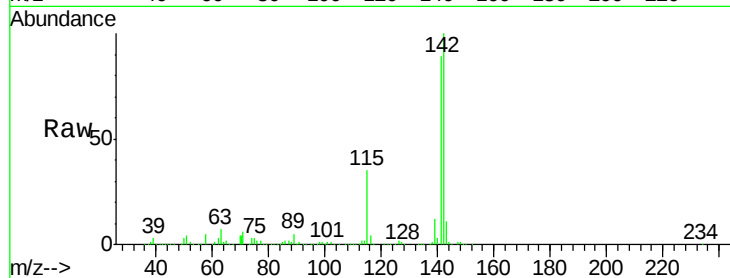
Tot Ion:142 Resp: 1020882

Ion Ratio Lower Upper

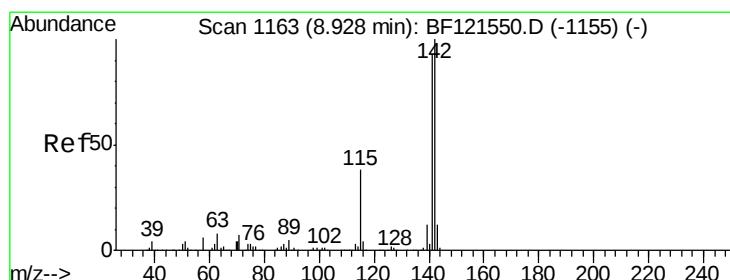
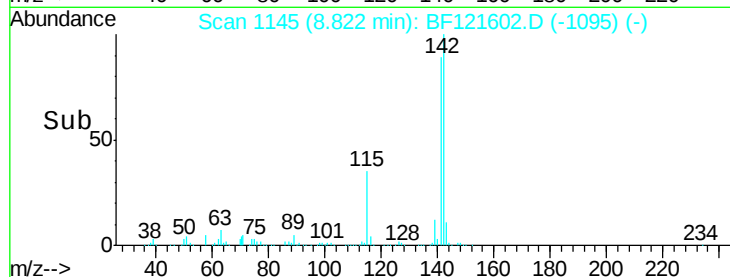
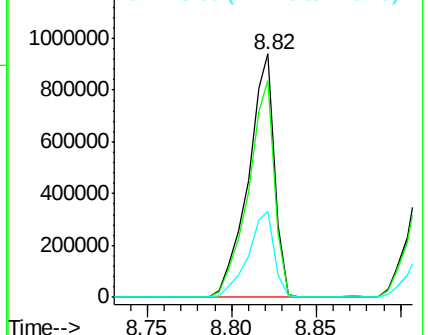
142 100

141 89.2 71.5 107.3

115 35.4 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: 41.008 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

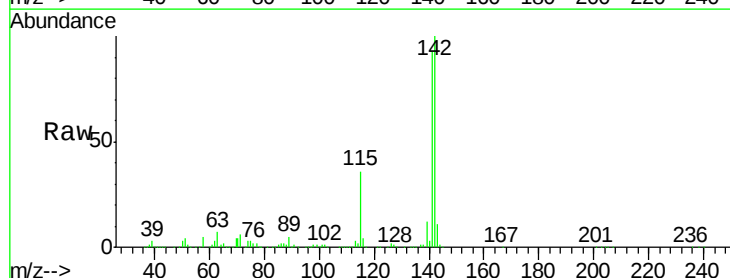
Tgt Ion:142 Resp: 946835

Ion Ratio Lower Upper

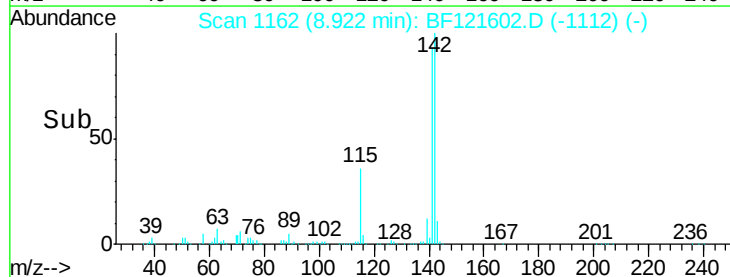
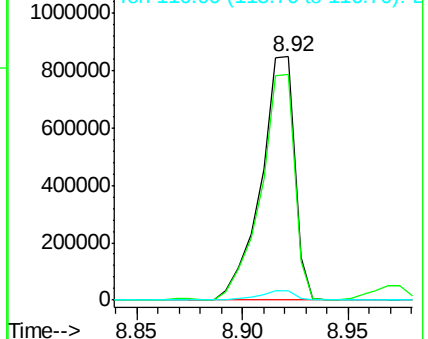
142 100

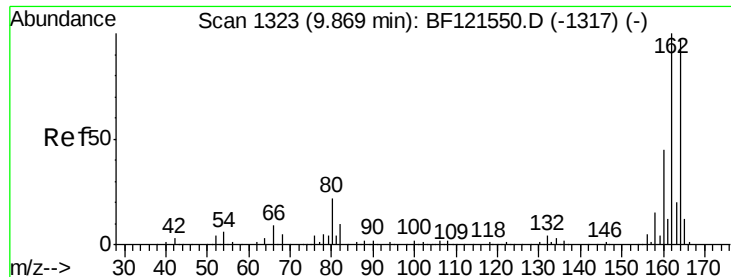
141 92.8 74.8 112.2

116 3.7 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: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

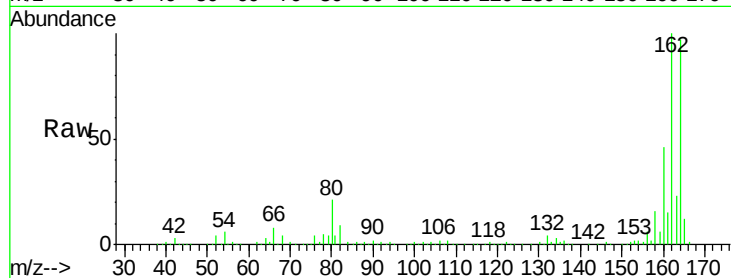
Tot Ion:164 Resp: 368500

Ion Ratio Lower Upper

164 100

162 102.8 82.3 123.5

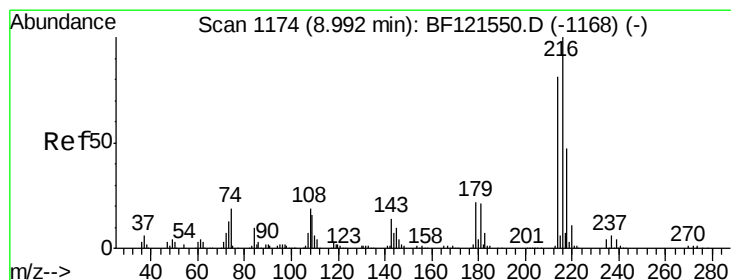
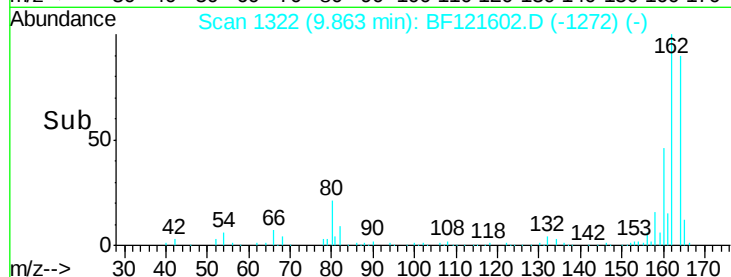
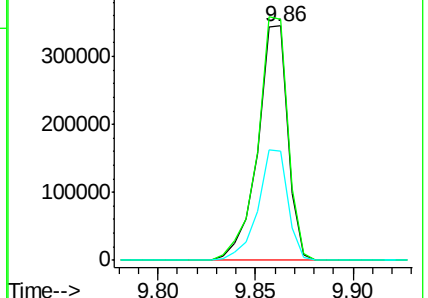
160 46.9 37.0 55.4



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: 40.438 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:216 Resp: 465471

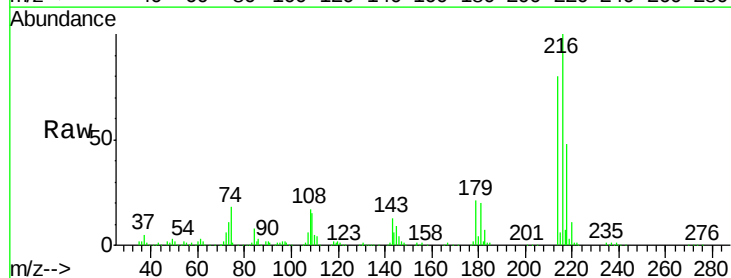
Ion Ratio Lower Upper

216 100

214 79.3 63.8 95.8

179 21.1 16.6 25.0

108 20.9 15.8 23.6

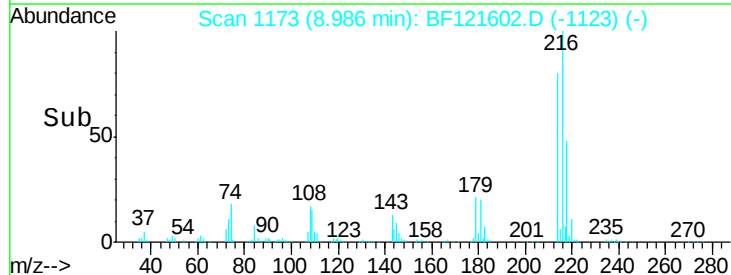
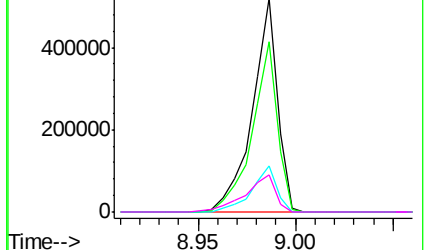


Abundance Ion 216.00 (215.70 to 216.70): E

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: 75.252 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

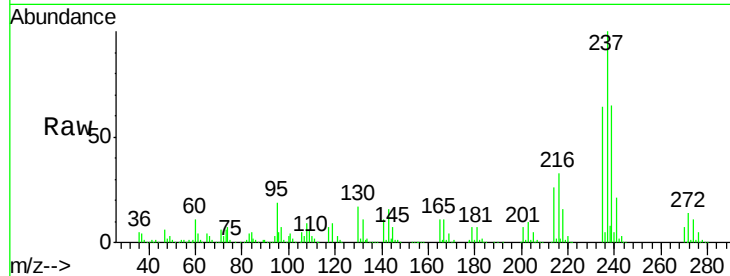
Tot Ion:237 Resp: 494667

Ion Ratio Lower Upper

237 100

235 63.9 44.0 84.0

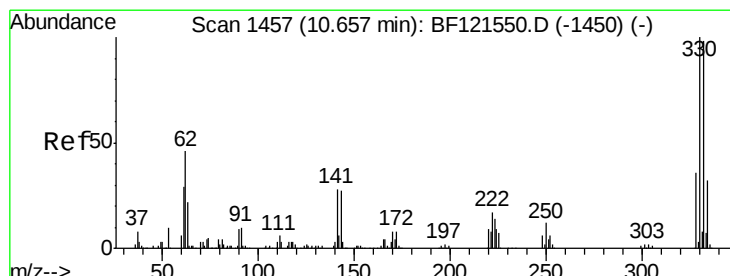
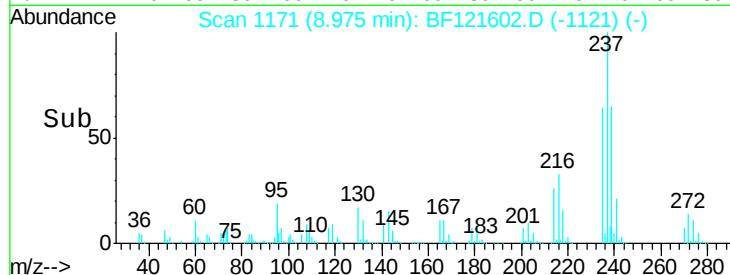
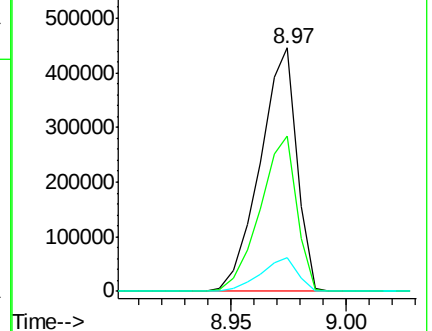
272 14.1 0.0 33.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 119.447 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

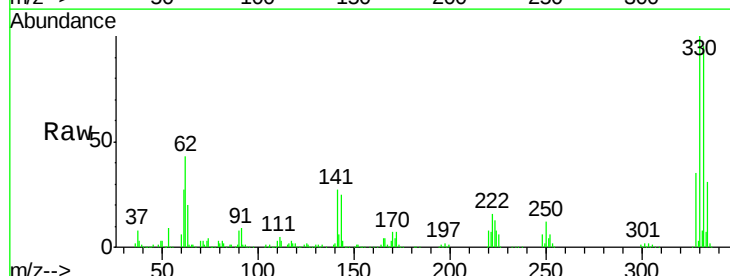
Tgt Ion:330 Resp: 547062

Ion Ratio Lower Upper

330 100

332 95.9 77.1 115.7

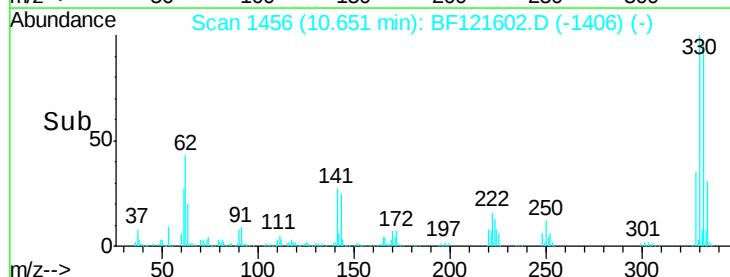
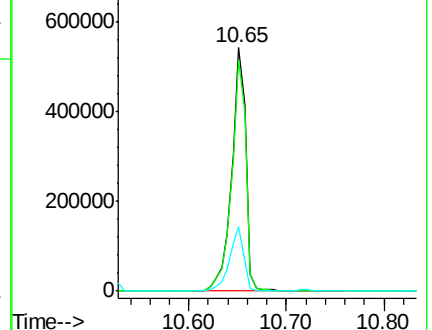
141 26.9 23.6 35.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

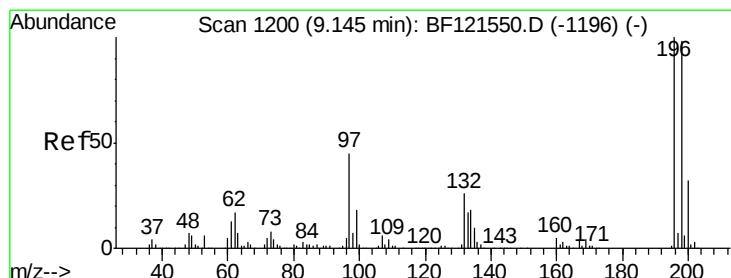
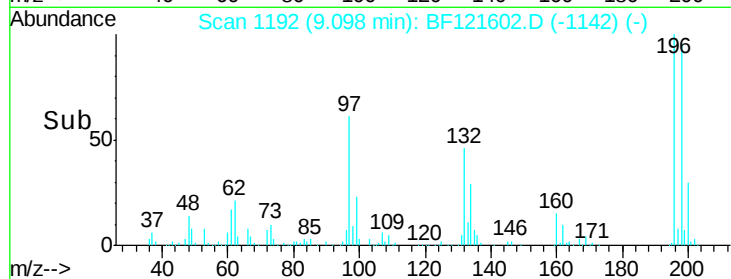
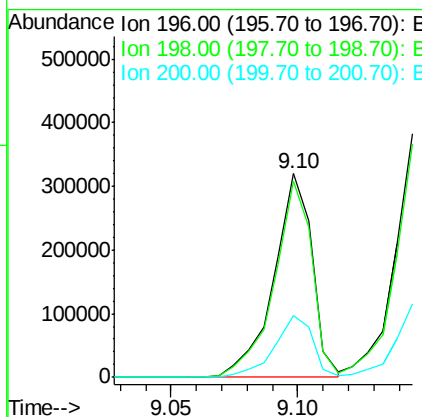
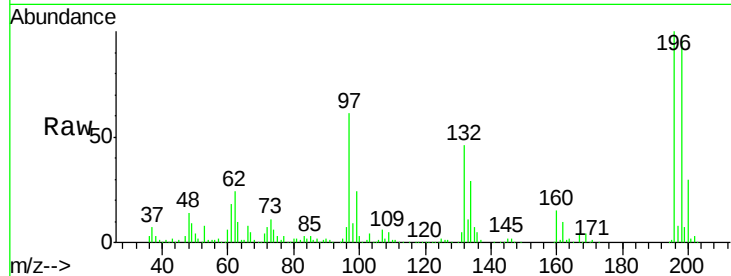




#43
 2,4,6-Trichlorophenol
 Concen: 42.561 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

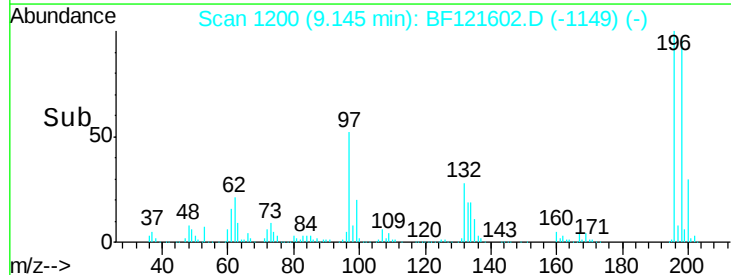
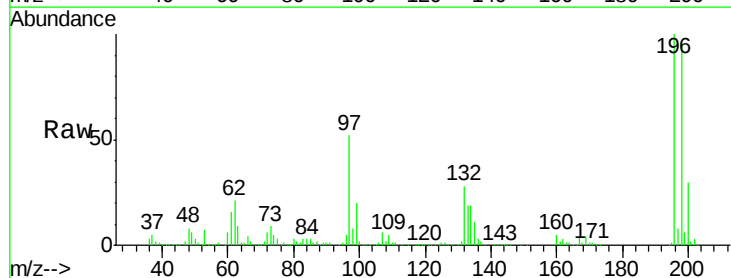
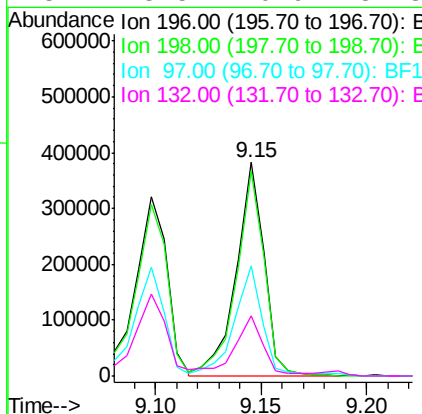
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

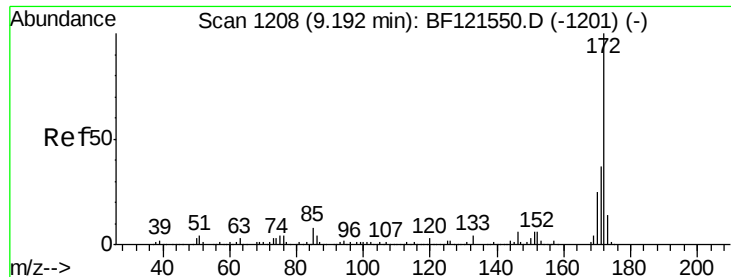
Tot Ion:196 Resp: 333930
 Ion Ratio Lower Upper
 196 100
 198 96.1 75.6 113.4
 200 30.2 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 41.952 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion:196 Resp: 347961
 Ion Ratio Lower Upper
 196 100
 198 95.6 78.1 117.1
 97 51.8 36.8 55.2
 132 28.5 20.9 31.3





#45

2-Fluorobiphenyl

Concen: 82.227 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

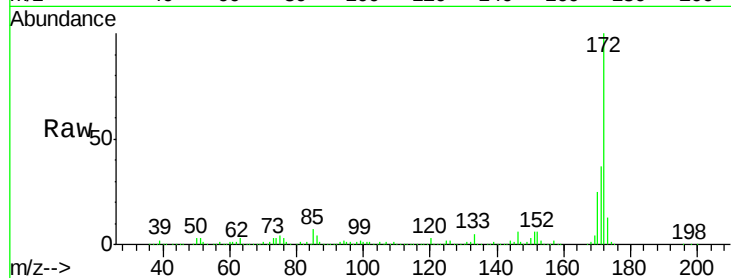
Tot Ion:172 Resp: 2000652

Ion Ratio Lower Upper

172 100

171 36.6 29.8 44.6

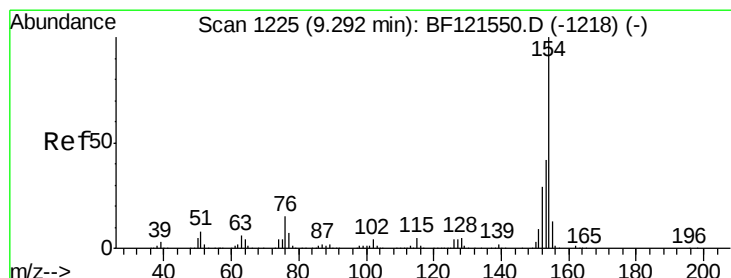
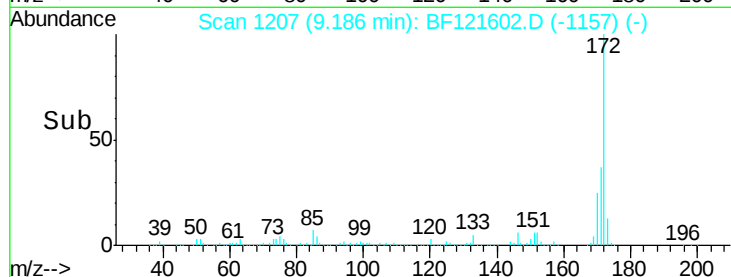
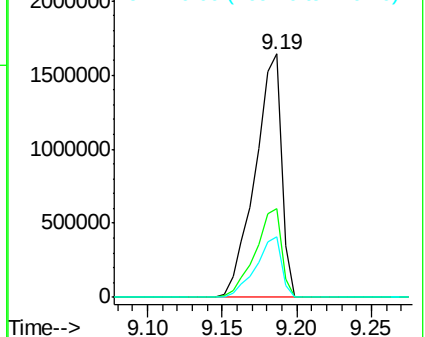
170 24.7 19.8 29.8



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: 41.001 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

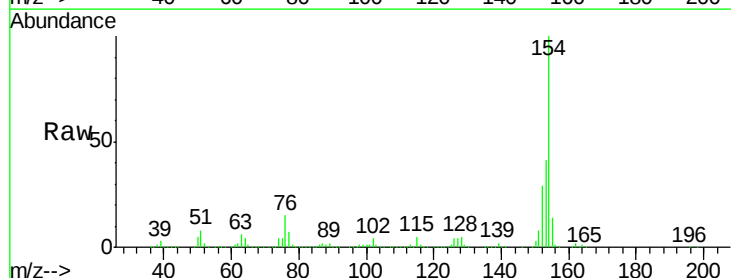
Tgt Ion:154 Resp: 1209568

Ion Ratio Lower Upper

154 100

153 41.5 21.7 61.7

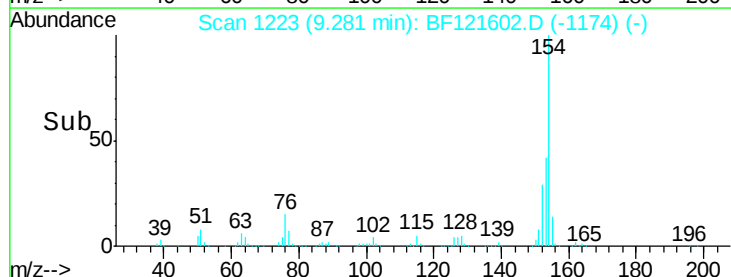
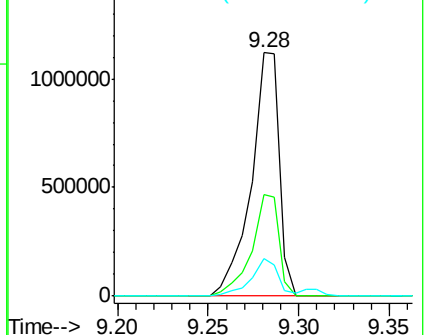
76 15.5 0.0 35.5

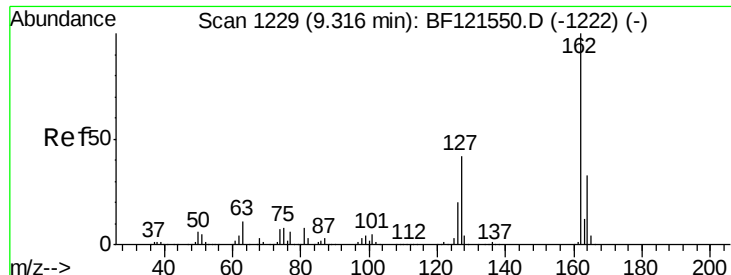


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

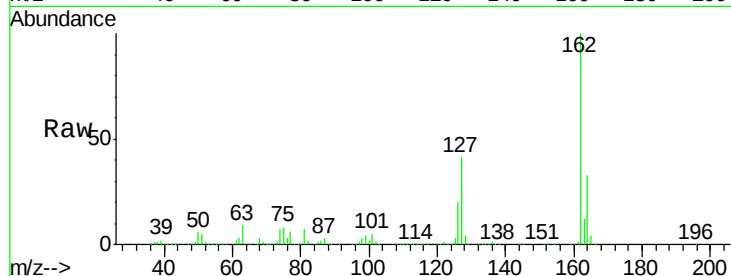




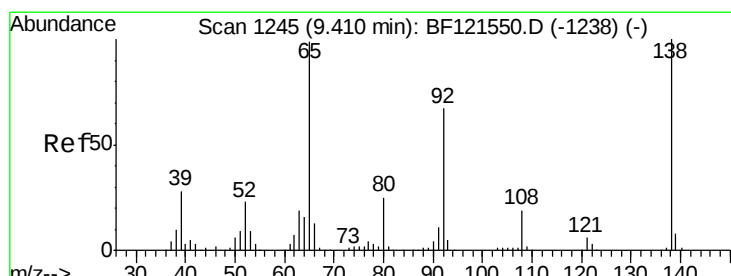
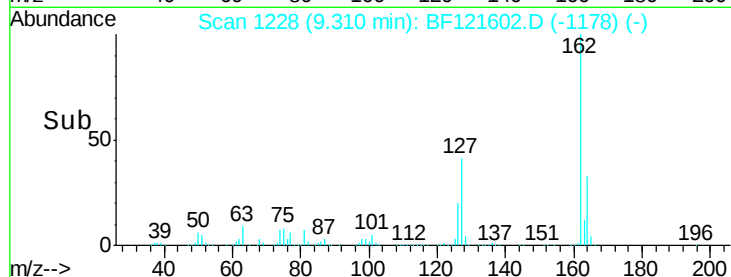
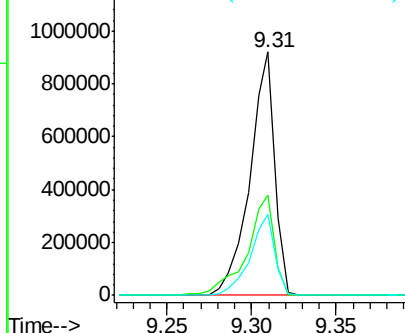
#47
 2-Chloronaphthalene
 Concen: 40.737 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.9	50.9
164	33.2	26.7	40.1

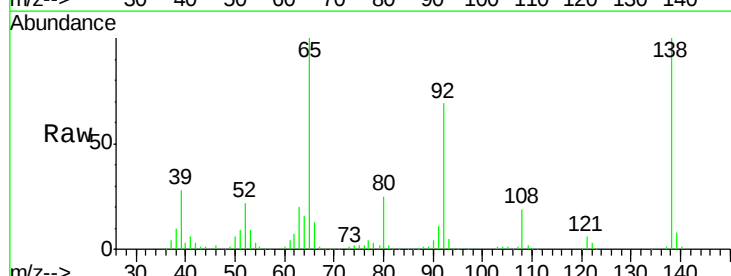


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

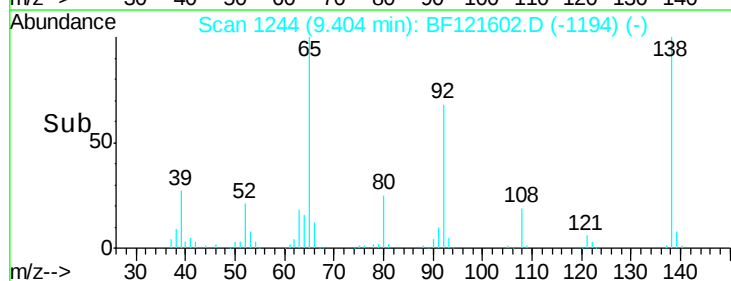
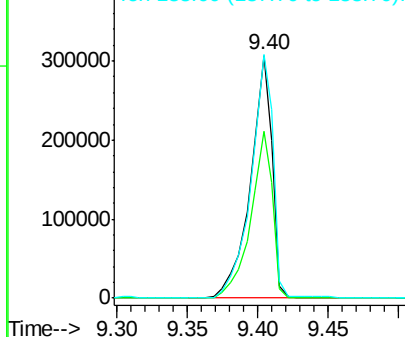


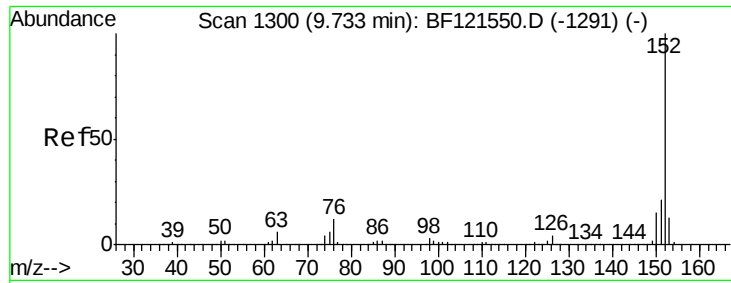
#48
 2-Nitroaniline
 Concen: 45.671 ng
 RT: 9.40 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.7	54.2	81.4
138	100.2	80.8	121.2



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 41.329 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

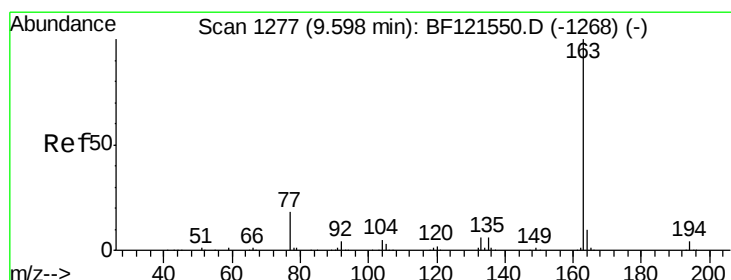
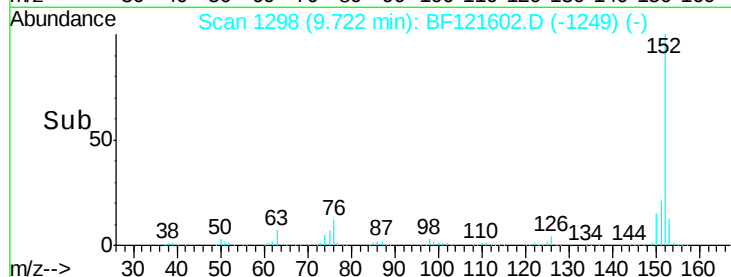
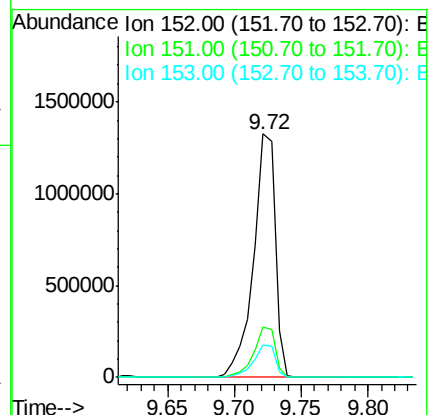
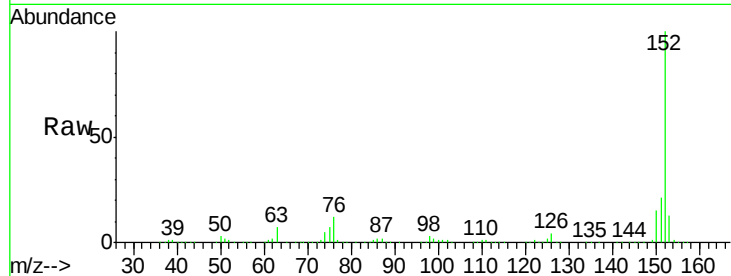
Tot Ion:152 Resp: 1476235

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

153 13.5 10.7 16.1



#50

Dimethylphthalate

Concen: 50.032 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

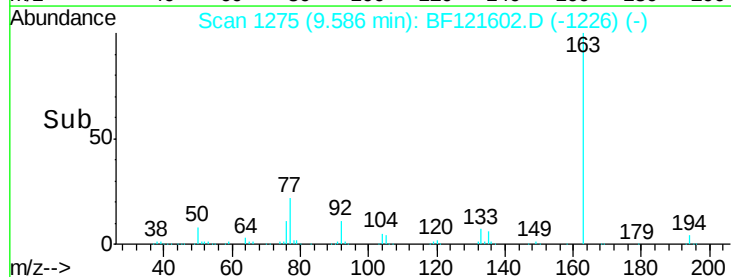
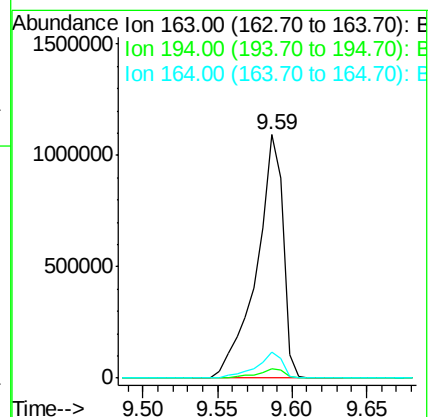
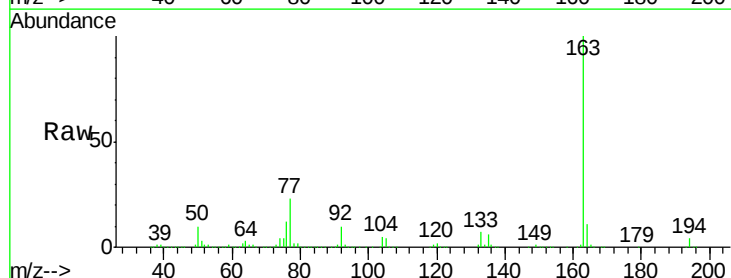
Tgt Ion:163 Resp: 1336276

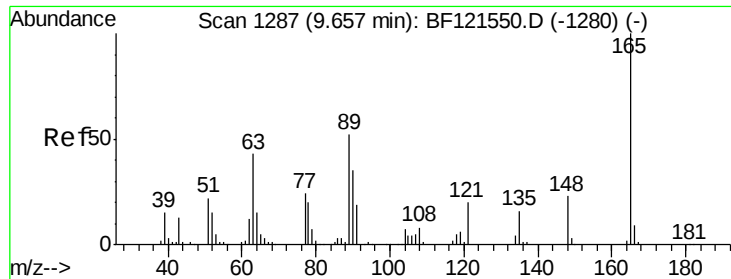
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 10.7 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 46.055 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

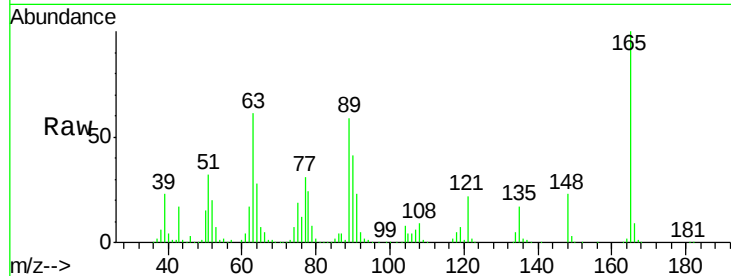
Tot Ion:165 Resp: 261959

Ion Ratio Lower Upper

165 100

63 61.3 40.6 61.0#

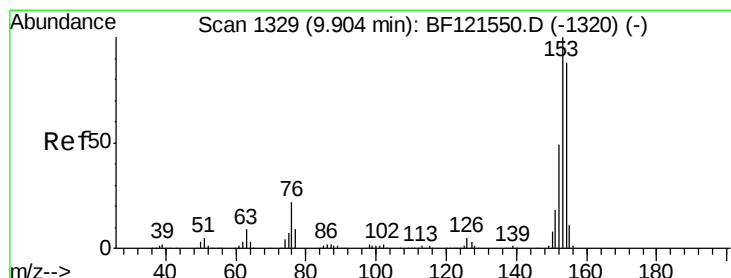
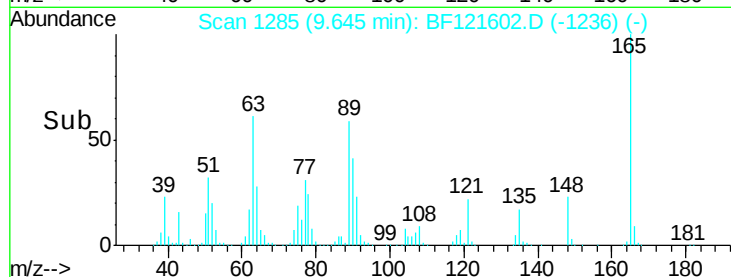
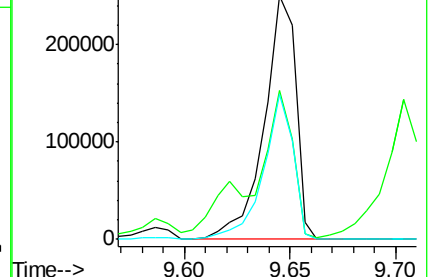
89 59.4 41.8 62.8



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



#52

Acenaphthene

Concen: 39.130 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

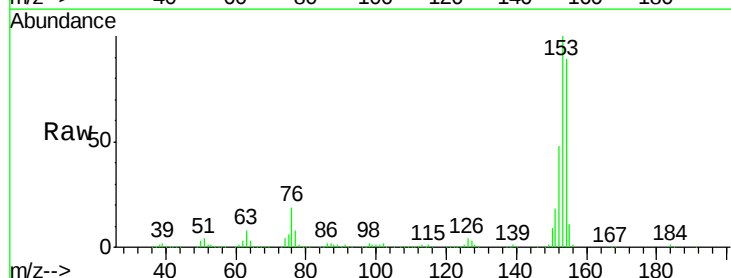
Tgt Ion:154 Resp: 882790

Ion Ratio Lower Upper

154 100

153 111.7 91.0 136.4

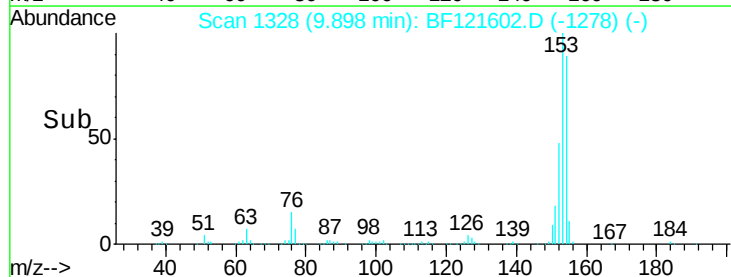
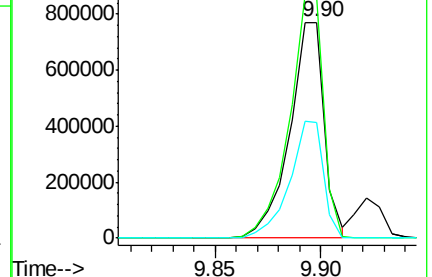
152 53.4 44.2 66.2

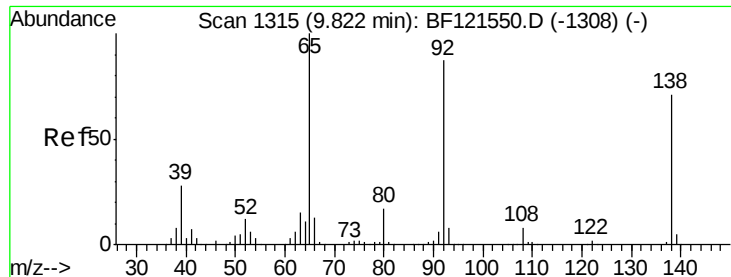


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

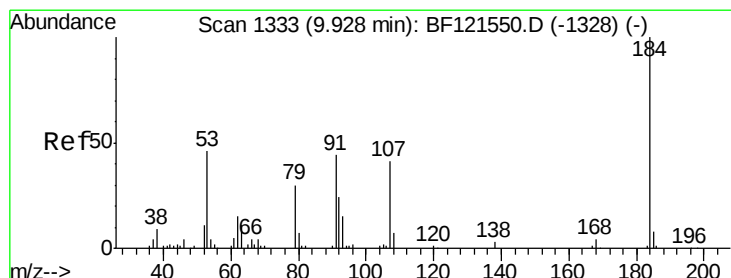
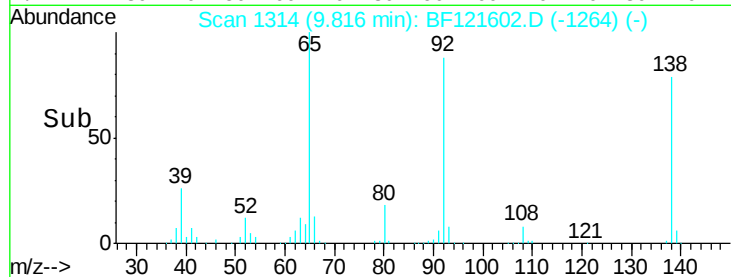
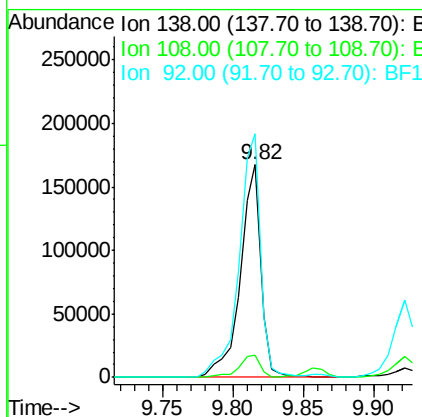
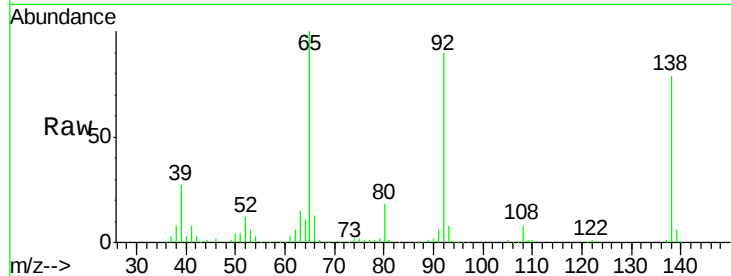




#53
 3-Nitroaniline
 Concen: 25.995 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

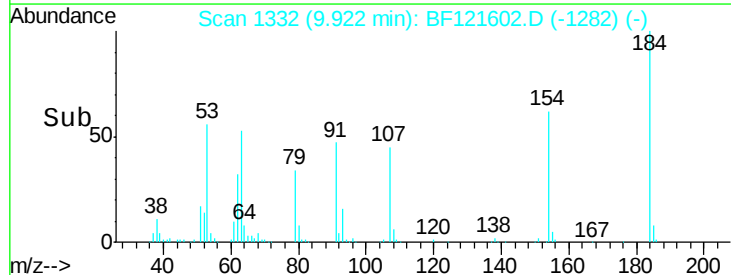
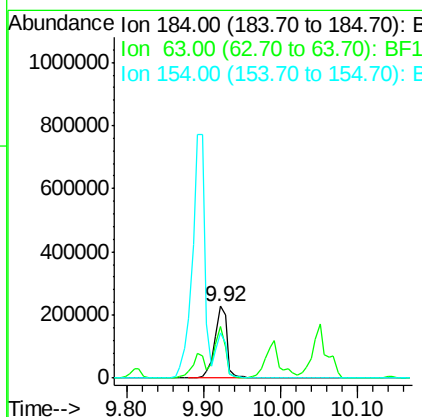
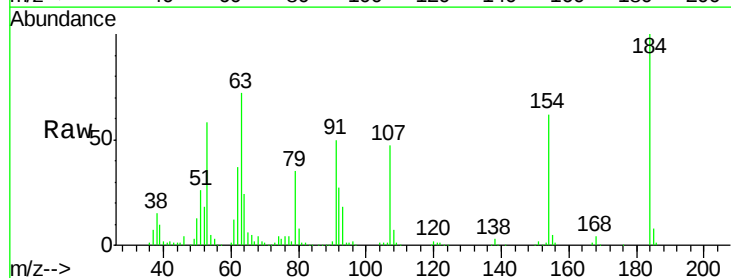
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

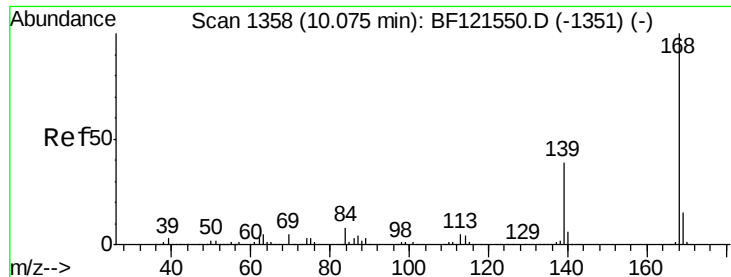
Tot Ion:138 Resp: 171284
 Ion Ratio Lower Upper
 138 100
 108 10.6 9.0 13.6
 92 114.4 97.4 146.0



#54
 2,4-Dinitrophenol
 Concen: 76.441 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion:184 Resp: 249290
 Ion Ratio Lower Upper
 184 100
 63 71.8 47.7 71.5#
 154 62.3 47.2 70.8

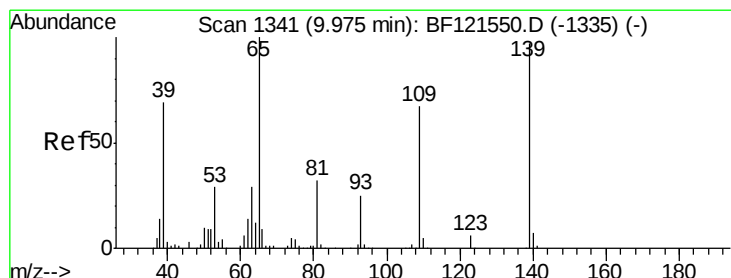
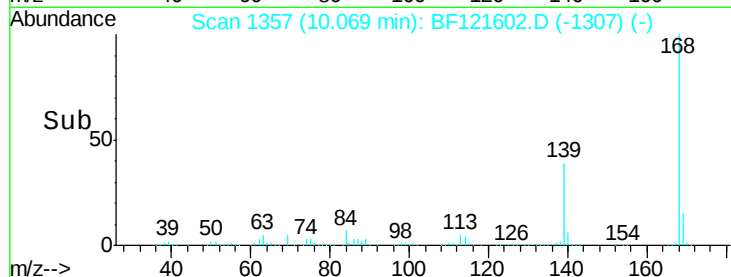
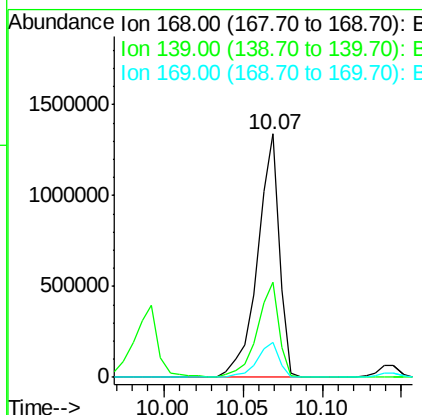
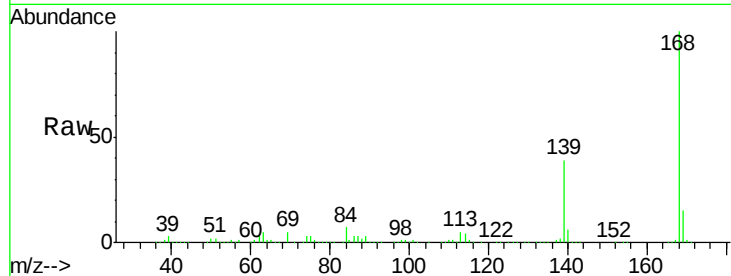




#55
Dibenzofuran
Concen: 40.478 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

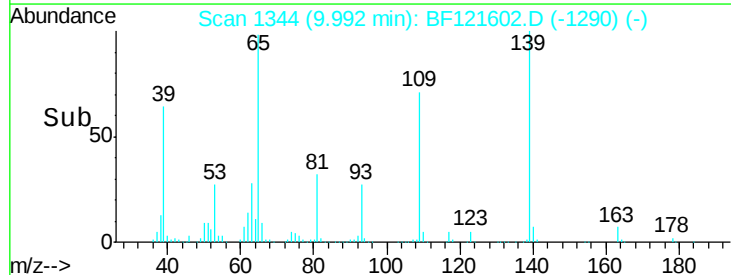
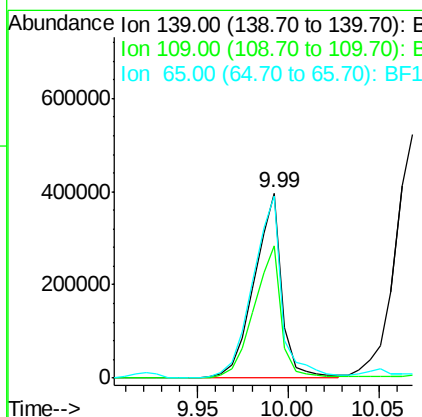
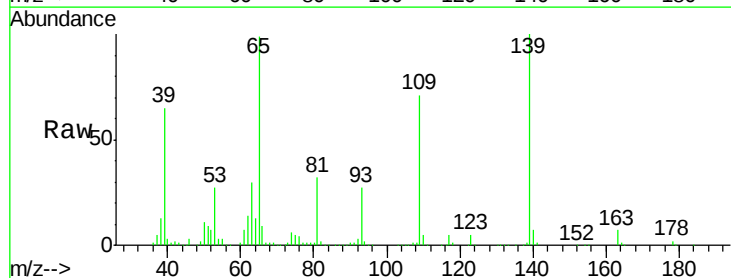
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

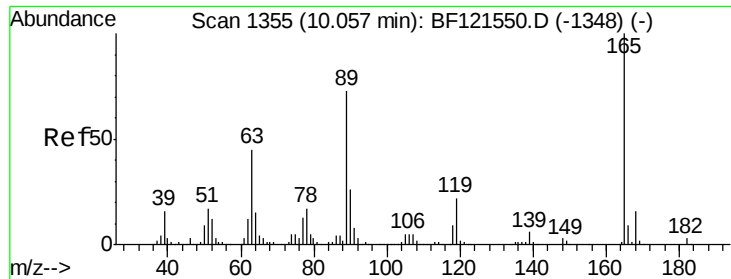
Tot Ion:168 Resp: 1286034
Ion Ratio Lower Upper
168 100
139 39.0 31.4 47.0
169 14.5 11.9 17.9



#56
4-Nitrophenol
Concen: 80.097 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:139 Resp: 420897
Ion Ratio Lower Upper
139 100
109 71.3 48.8 88.8
65 98.6 83.6 123.6

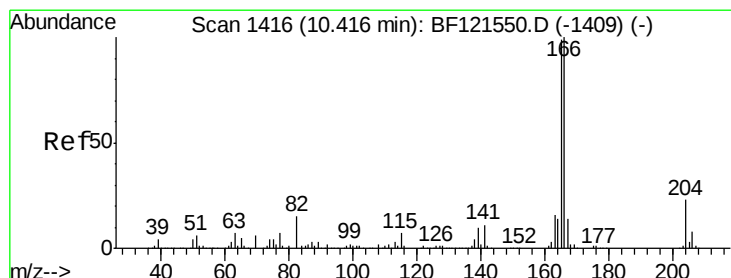
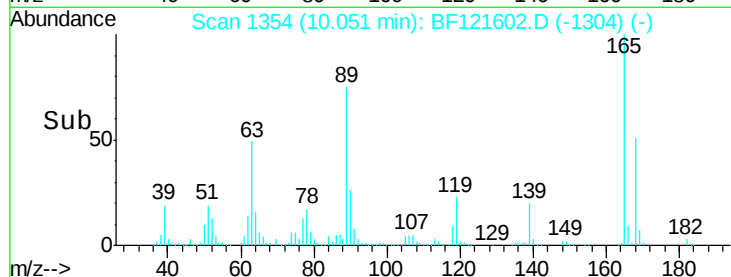
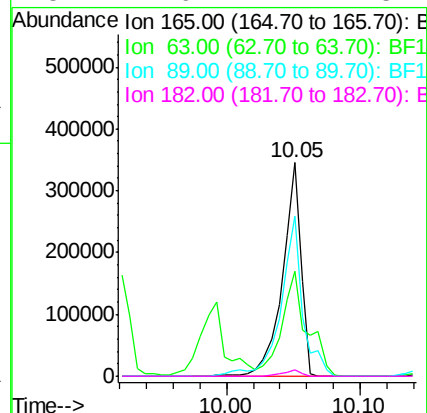
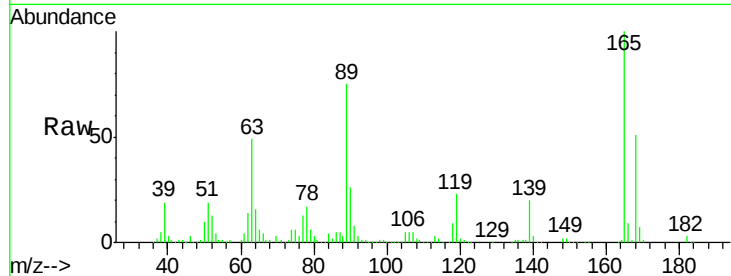




#57
2,4-Dinitrotoluene
Concen: 47.242 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

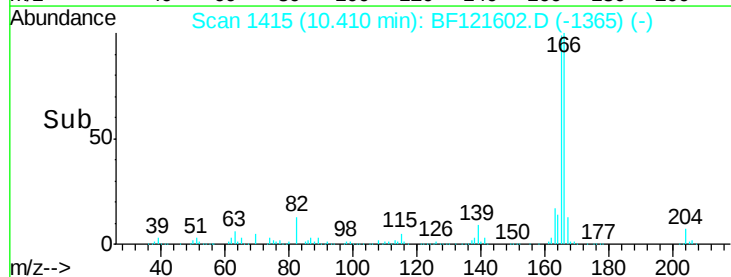
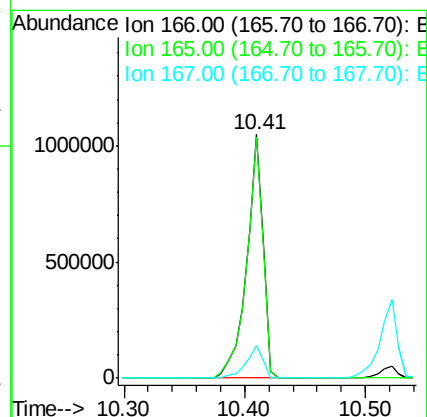
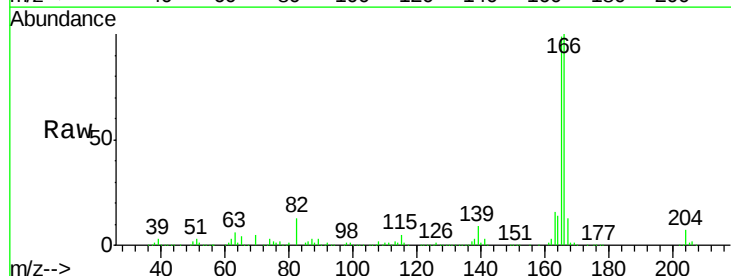
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.3	36.2	54.4
89	74.9	58.2	87.4
182	2.9	2.2	3.2



#58
Fluorene
Concen: 40.706 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.0	118.4
167	13.4	11.0	16.6

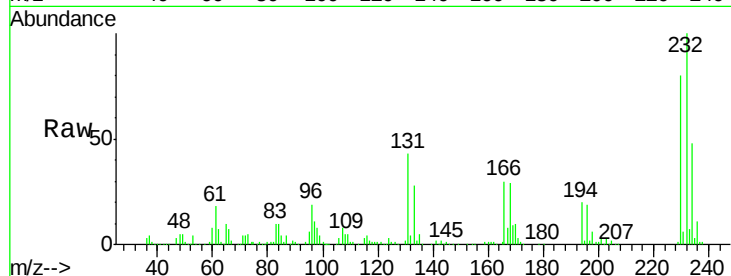




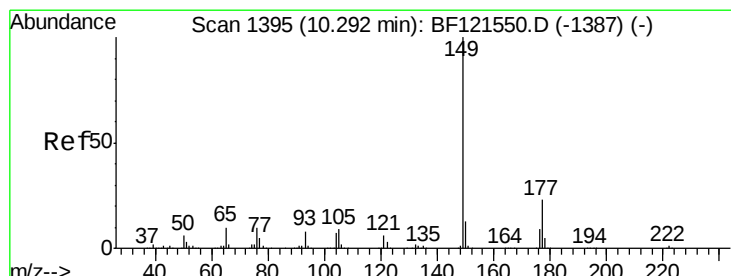
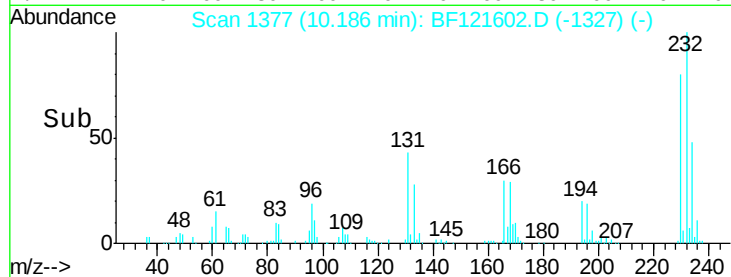
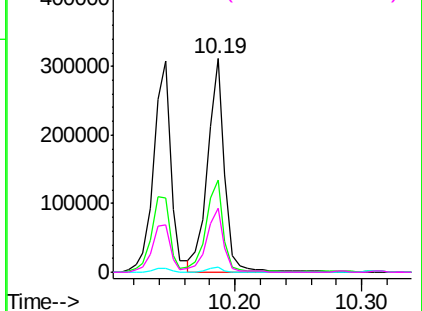
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 43.272 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion:232 Resp: 291788
 Ion Ratio Lower Upper
 232 100
 131 44.3 36.3 54.5
 130 2.1 1.9 2.9
 166 30.2 23.9 35.9

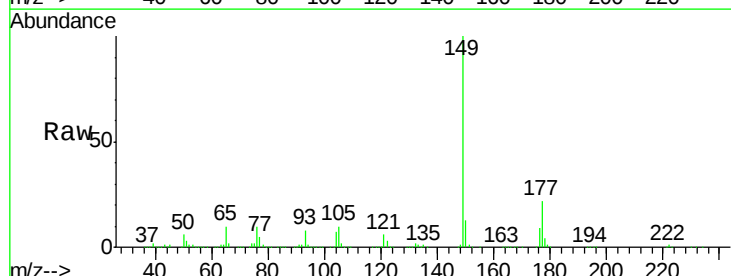


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

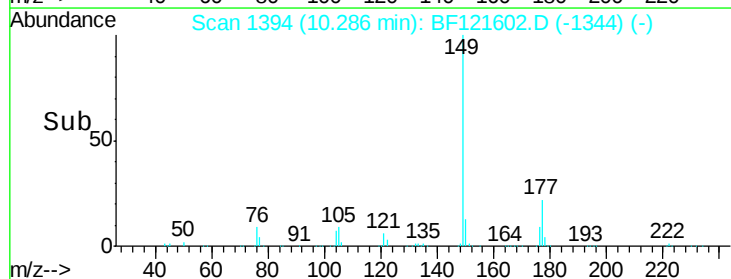
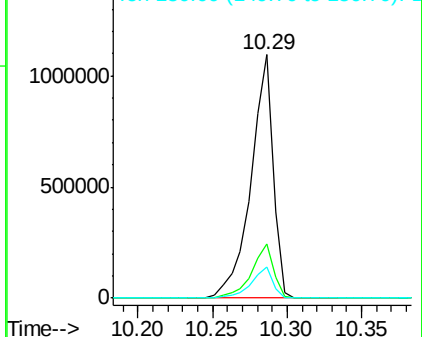


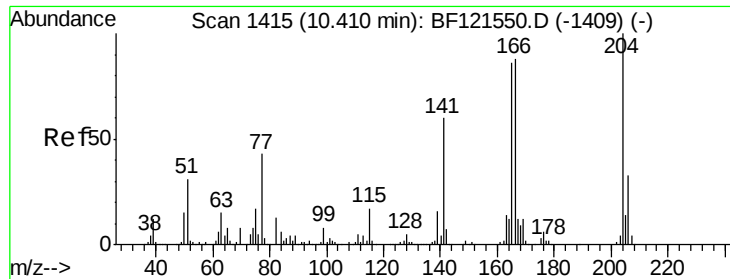
#60
 Diethylphthalate
 Concen: 42.917 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion:149 Resp: 1117569
 Ion Ratio Lower Upper
 149 100
 177 22.4 18.2 27.2
 150 12.5 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

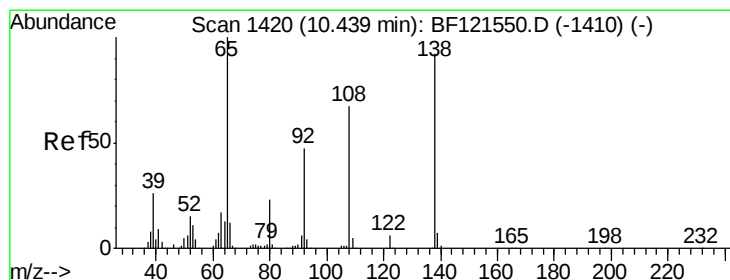
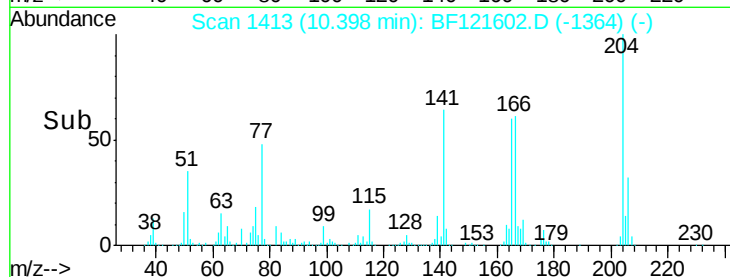
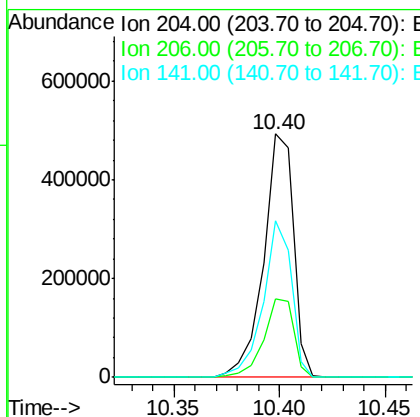
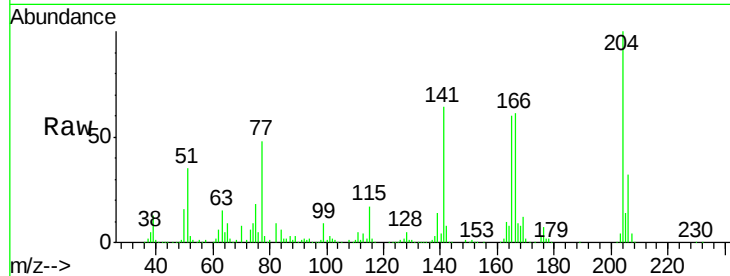




#61
4-Chlorophenyl-phenylether
Concen: 41.864 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

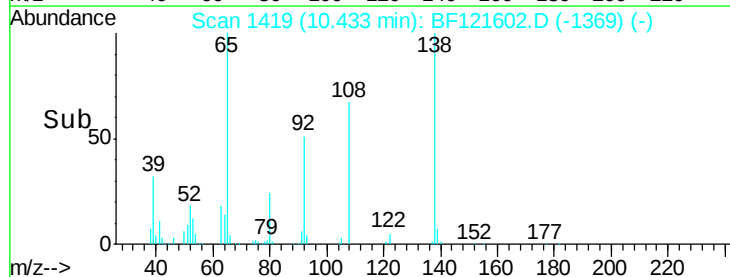
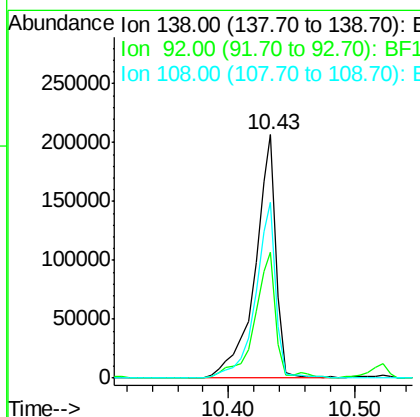
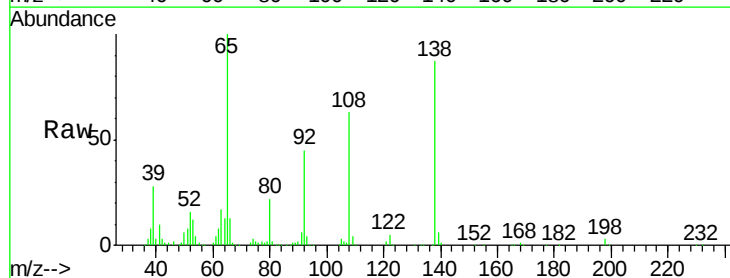
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

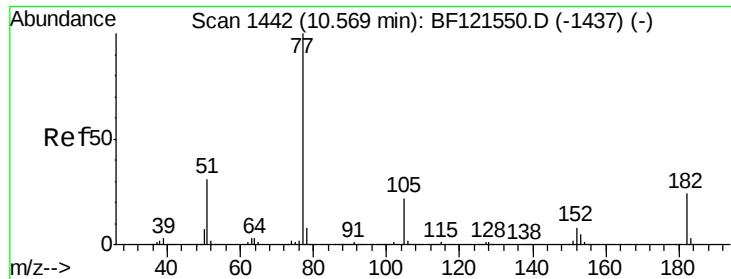
Tot Ion:204 Resp: 487246
Ion Ratio Lower Upper
204 100
206 32.4 26.4 39.6
141 64.3 48.3 72.5



#62
4-Nitroaniline
Concen: 36.864 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:138 Resp: 241183
Ion Ratio Lower Upper
138 100
92 51.9 31.4 71.4
108 72.4 52.4 92.4

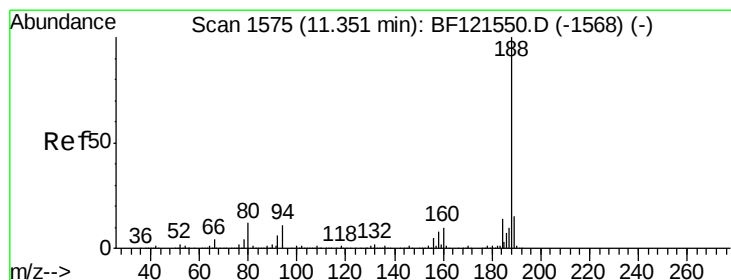
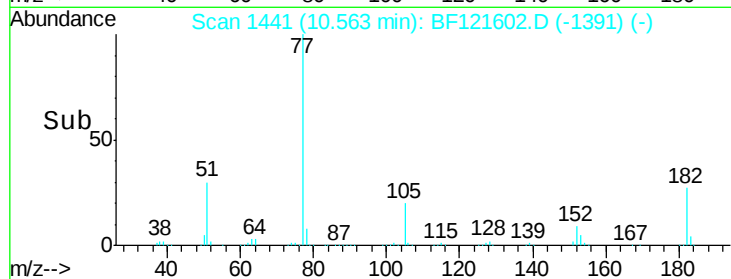
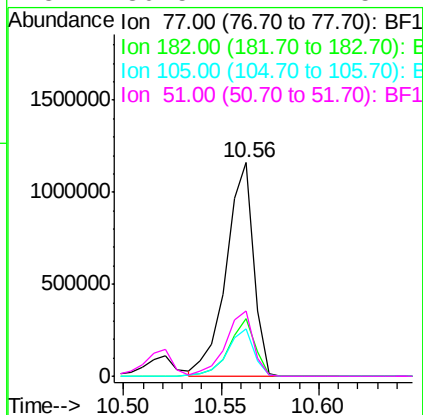
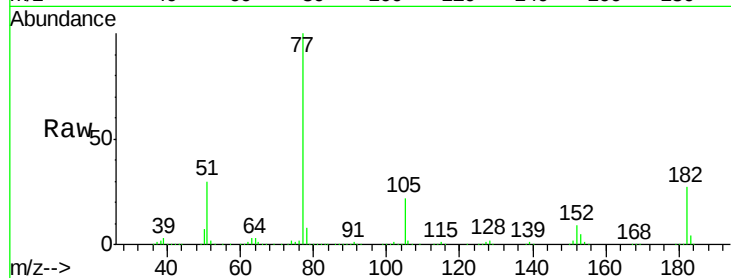




#63
Azobenzene
Concen: 40.654 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

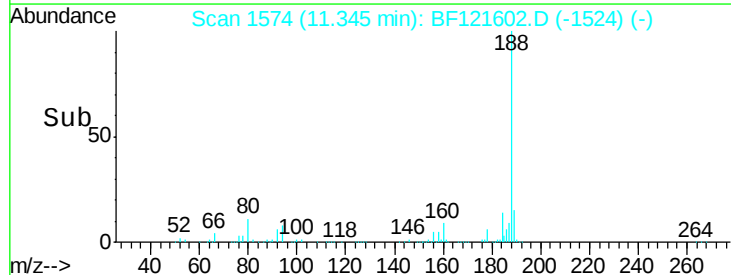
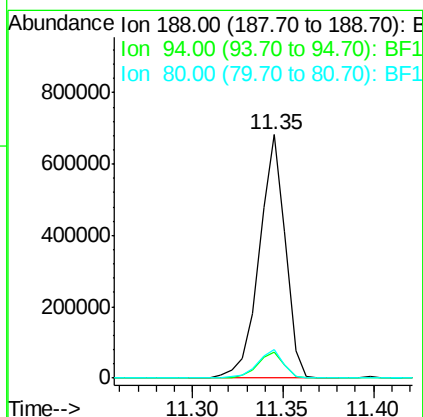
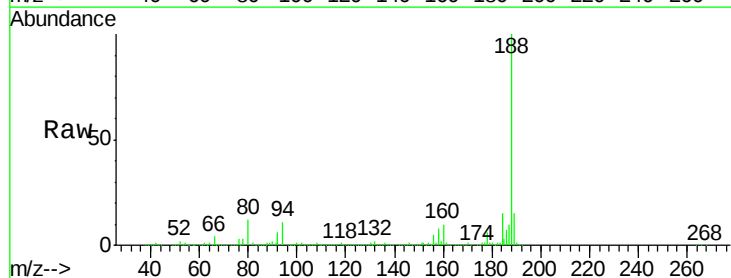
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

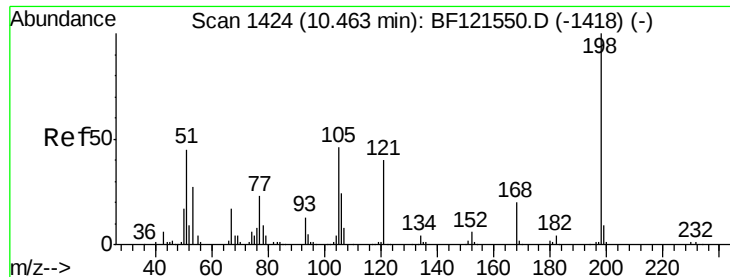
Tot Ion: 77 Resp: 1127366
Ion Ratio Lower Upper
77 100
182 27.0 3.9 43.9
105 22.0 2.2 42.2
51 30.5 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion: 188 Resp: 679602
Ion Ratio Lower Upper
188 100
94 10.7 8.7 13.1
80 11.7 9.3 13.9

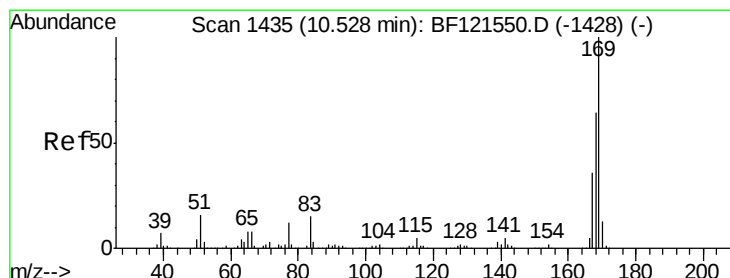
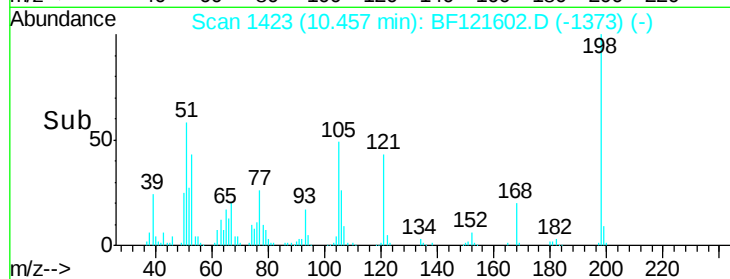
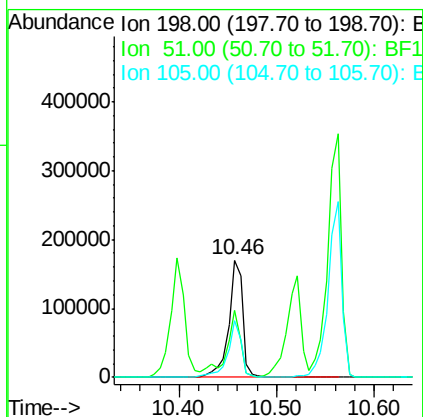
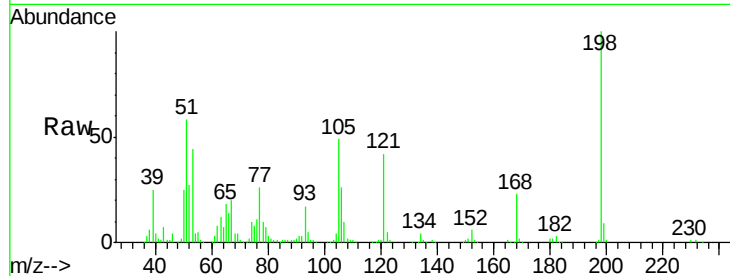




#65
 4,6-Dinitro-2-methylphenol
 Concen: 41.852 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

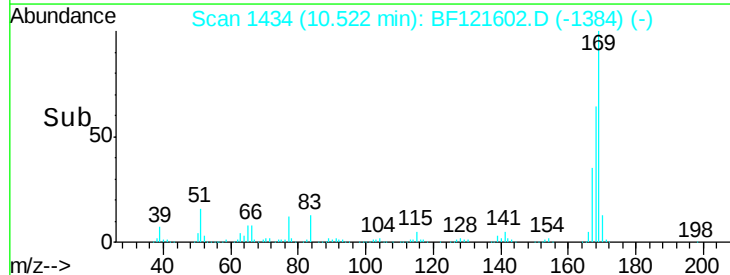
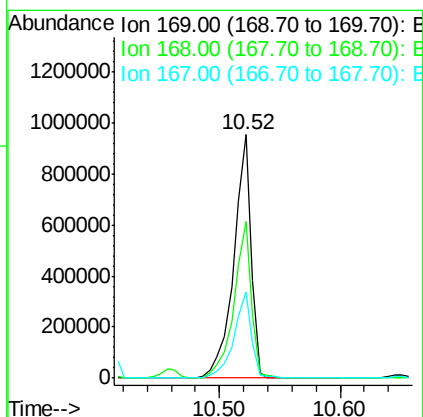
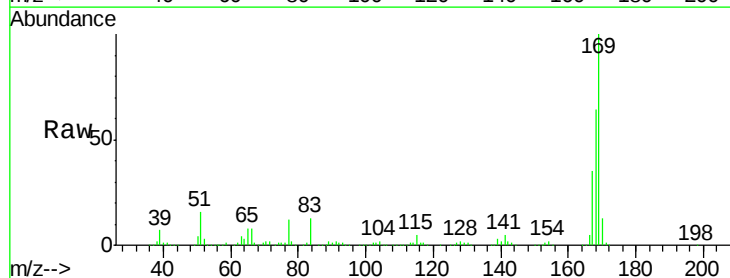
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion:198 Resp: 170264
 Ion Ratio Lower Upper
 198 100
 51 57.5 31.1 71.1
 105 48.8 26.6 66.6



#66
 n-Nitrosodiphenylamine
 Concen: 40.839 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion:169 Resp: 952181
 Ion Ratio Lower Upper
 169 100
 168 64.3 51.2 76.8
 167 35.3 28.9 43.3

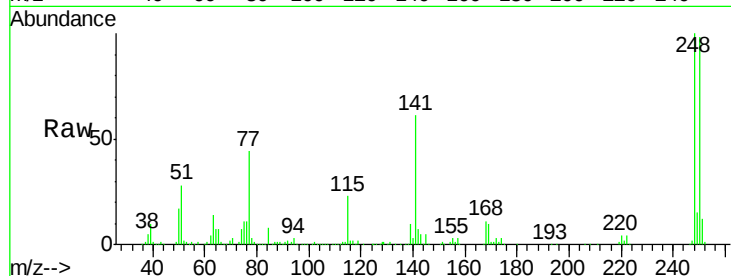




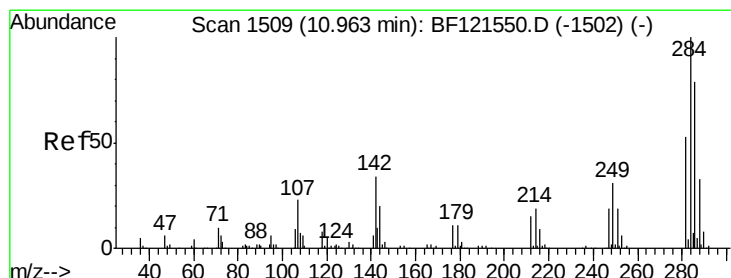
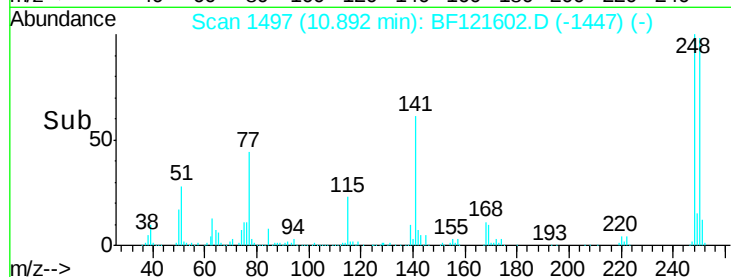
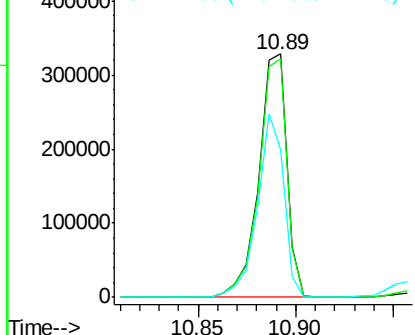
#67
4-Bromophenyl-phenylether
Concen: 42.341 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion:248 Resp: 327613
Ion Ratio Lower Upper
248 100
250 98.0 77.4 116.0
141 60.7 56.7 85.1

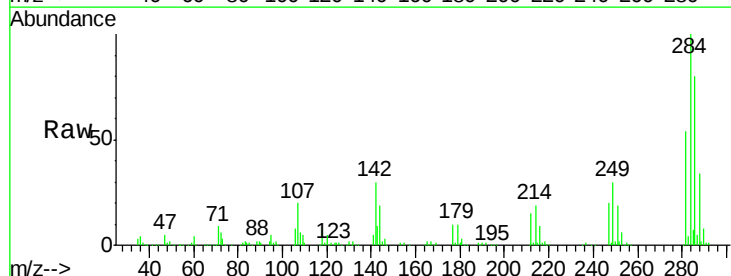


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

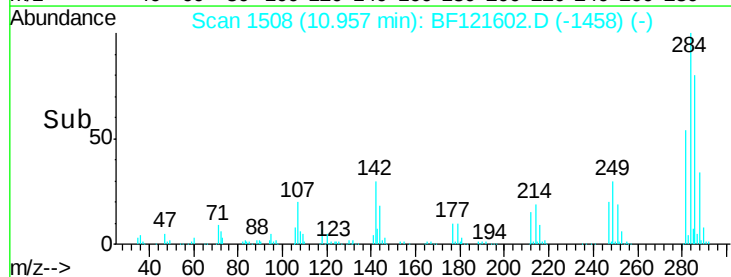
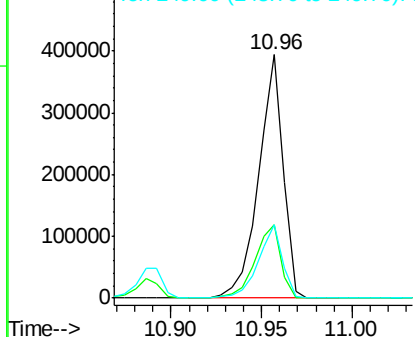


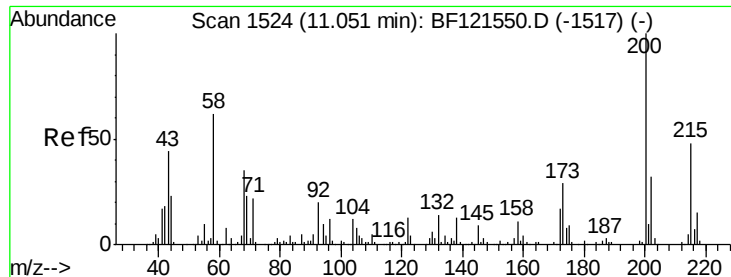
#68
Hexachlorobenzene
Concen: 42.211 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:284 Resp: 368591
Ion Ratio Lower Upper
284 100
142 30.3 27.0 40.4
249 30.3 24.7 37.1



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

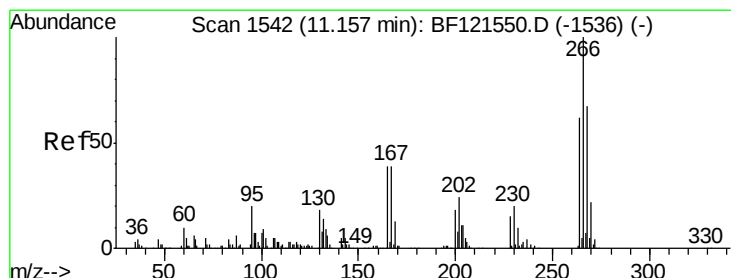
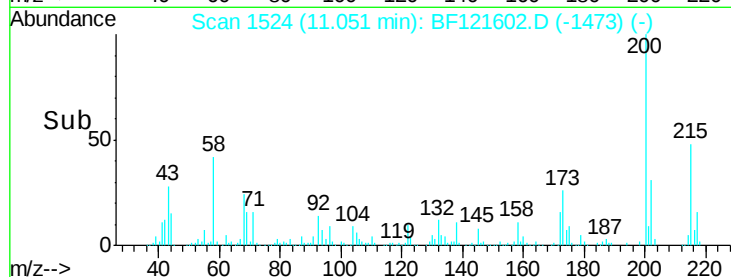
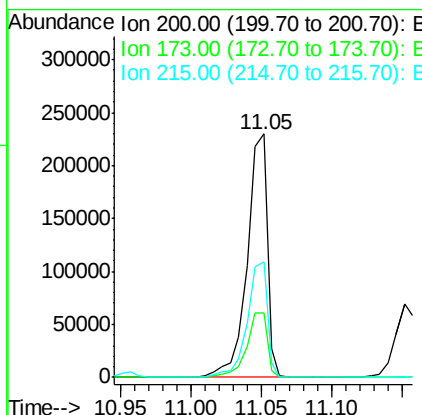
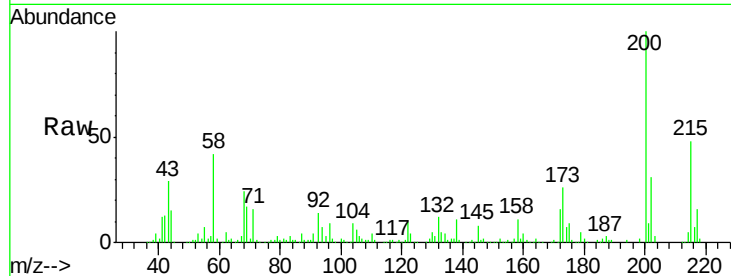




#69
Atrazine
Concen: 39.758 ng
RT: 11.05 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

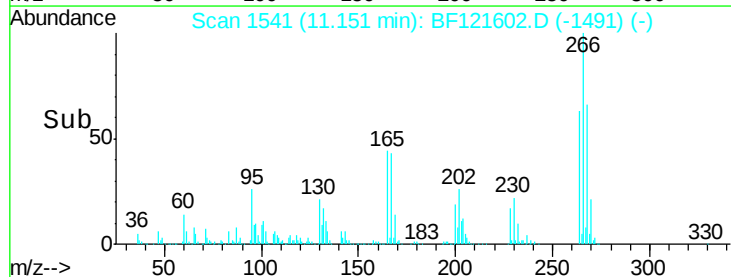
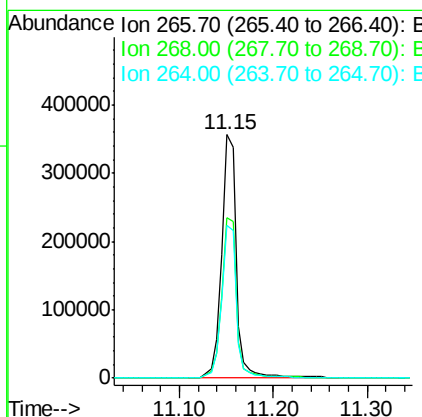
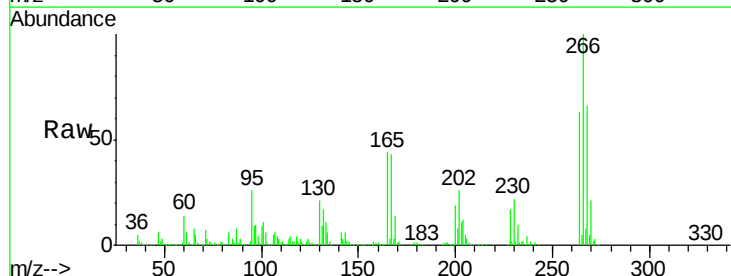
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

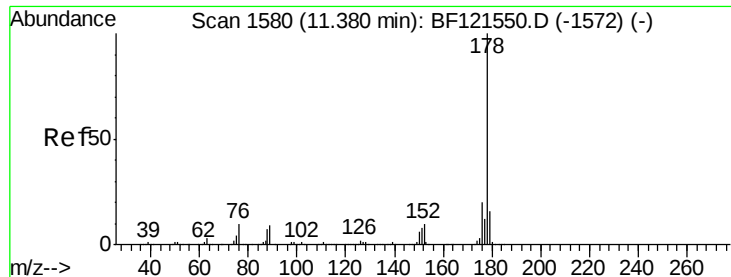
Tot Ion:200 Resp: 230304
Ion Ratio Lower Upper
200 100
173 26.4 8.5 48.5
215 47.6 27.8 67.8



#70
Pentachlorophenol
Concen: 81.717 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:266 Resp: 391879
Ion Ratio Lower Upper
266 100
268 66.0 53.5 80.3
264 62.9 49.8 74.8

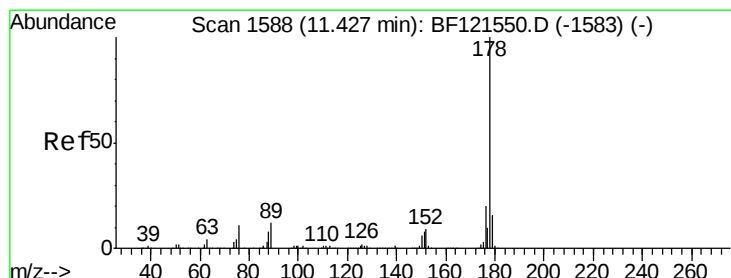
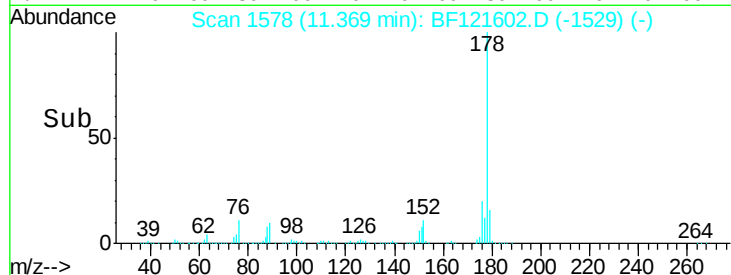
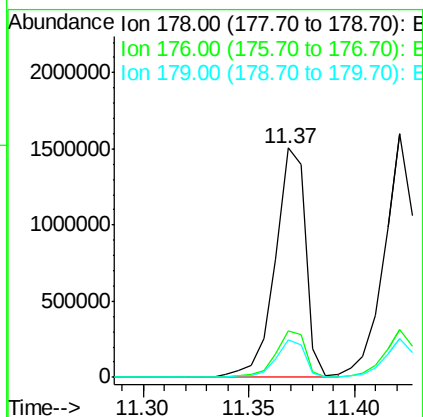
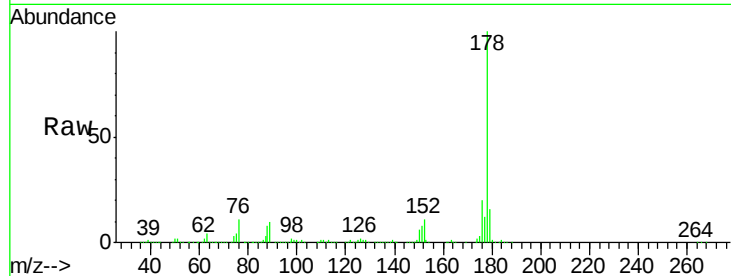




#71
Phenanthrene
Concen: 40.913 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

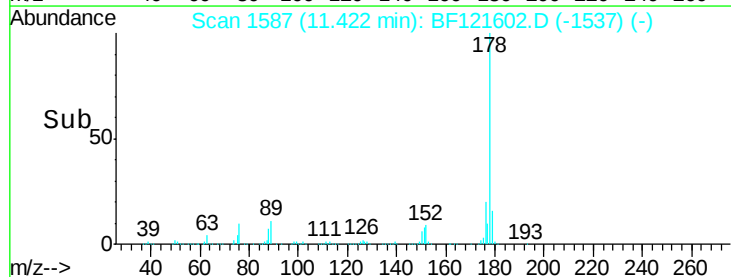
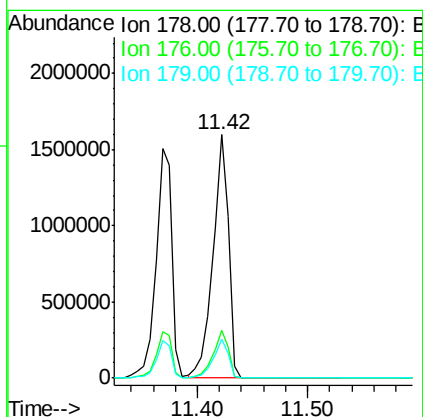
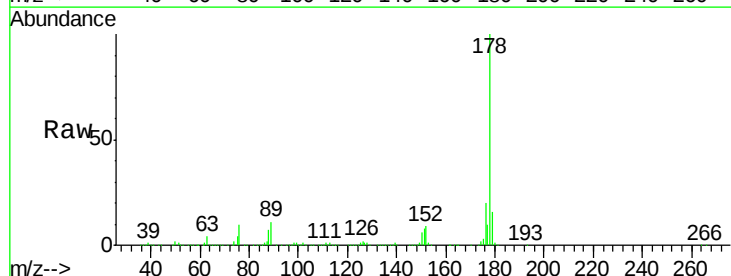
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

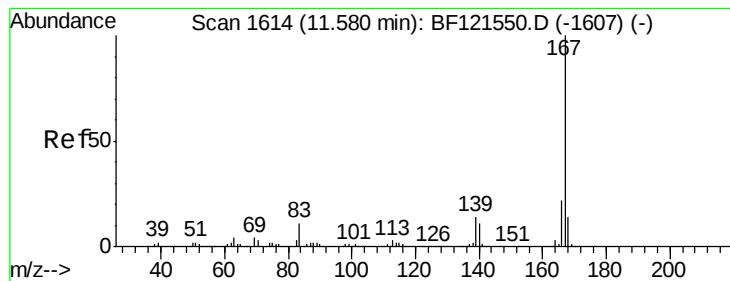
Tot Ion:178 Resp: 1514921
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 16.1 12.6 19.0



#72
Anthracene
Concen: 40.226 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:178 Resp: 1537079
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.0 12.8 19.2





#73

Carbazole

Concen: 39.892 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

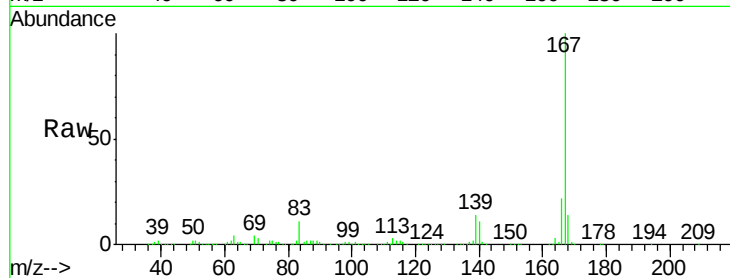
Tot Ion:167 Resp: 1375545

Ion Ratio Lower Upper

167 100

166 22.0 17.9 26.9

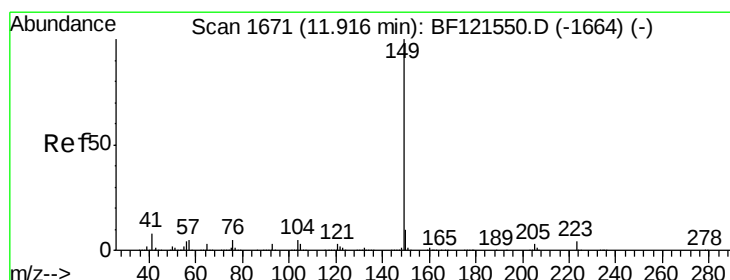
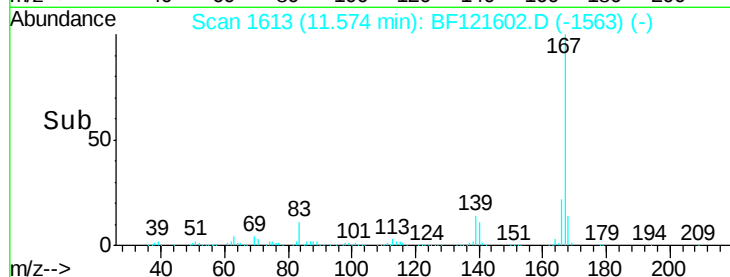
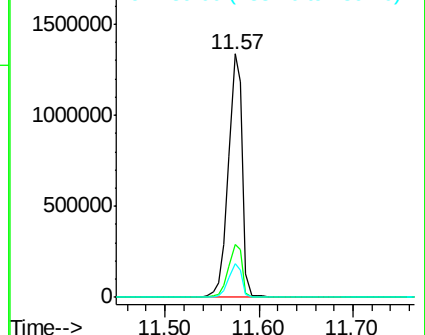
139 13.7 11.2 16.8



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: 41.716 ng

RT: 11.90 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

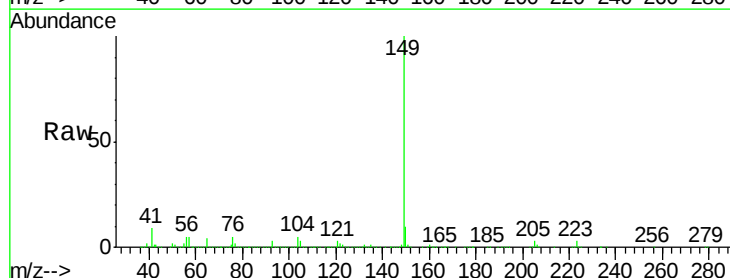
Tgt Ion:149 Resp: 1660193

Ion Ratio Lower Upper

149 100

150 9.7 7.6 11.4

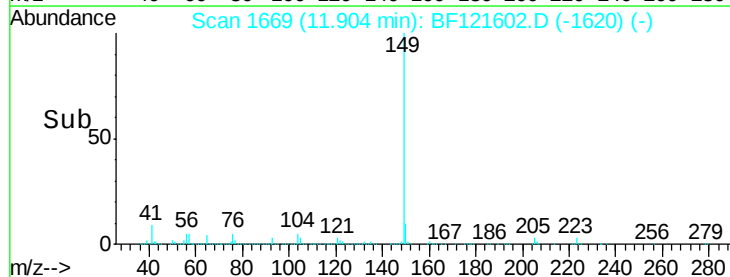
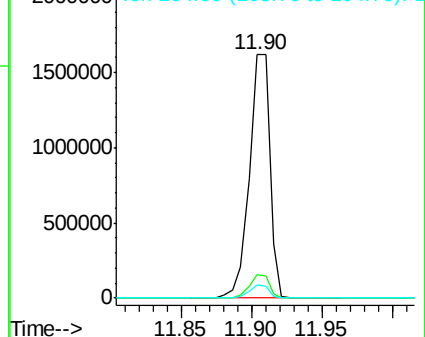
104 5.4 4.2 6.4

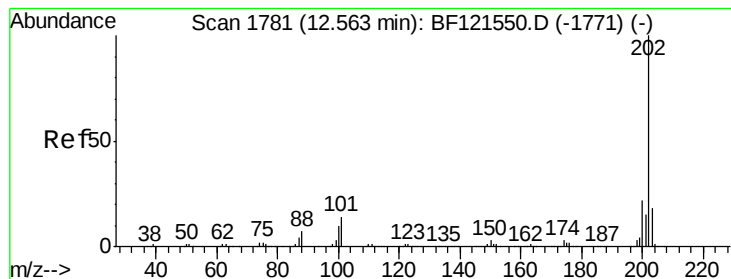


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 40.507 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

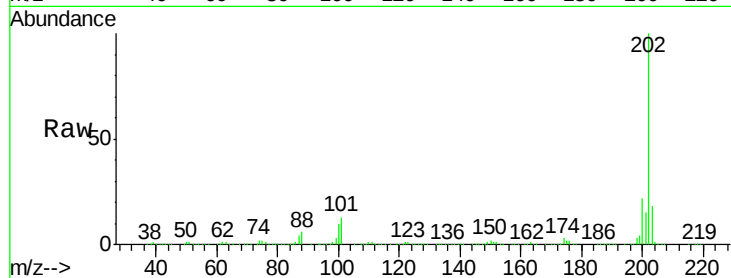
Tot Ion:202 Resp: 1601096

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.0

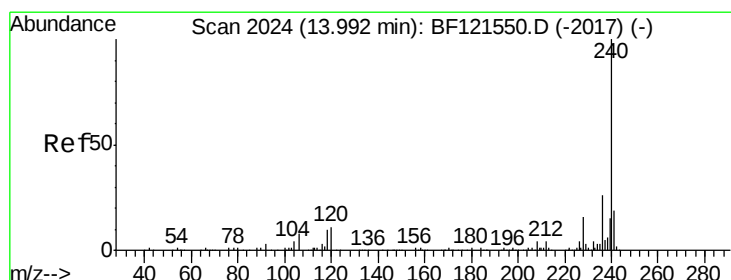
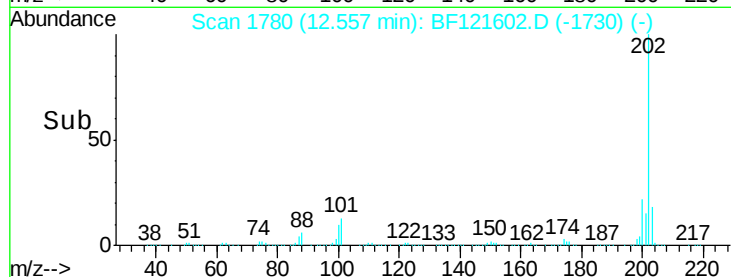
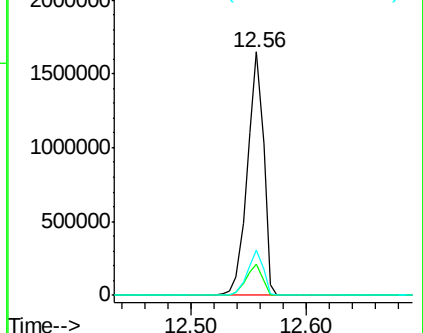
203 18.5 0.0 38.2



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: BF121602.D

Acq: 17 Sep 2020 17:53

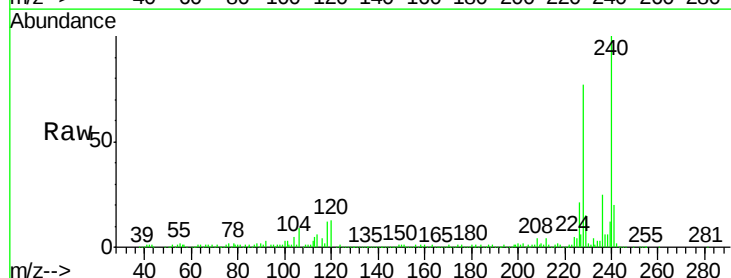
Tgt Ion:240 Resp: 424422

Ion Ratio Lower Upper

240 100

120 12.9 9.2 13.8

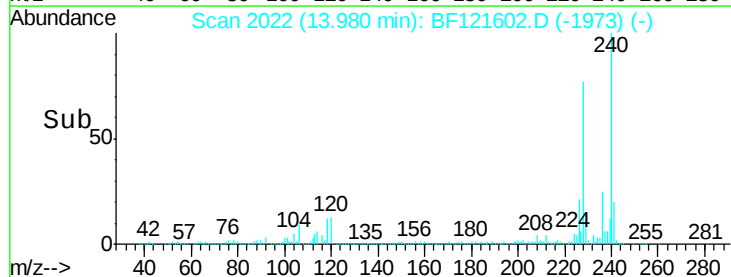
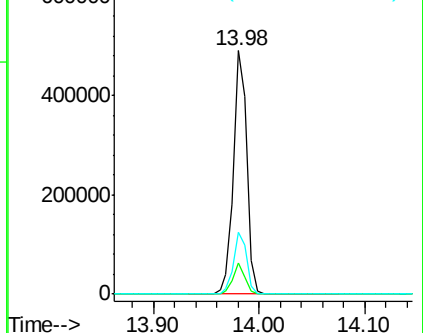
236 25.4 20.5 30.7

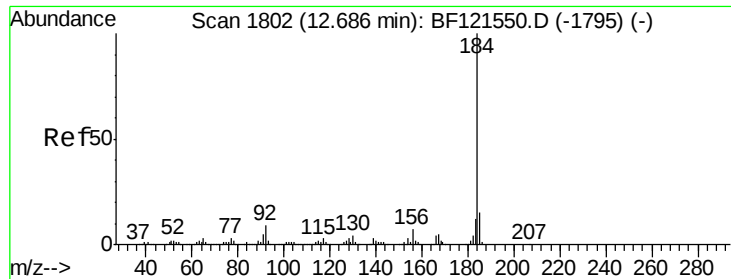


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 37.313 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

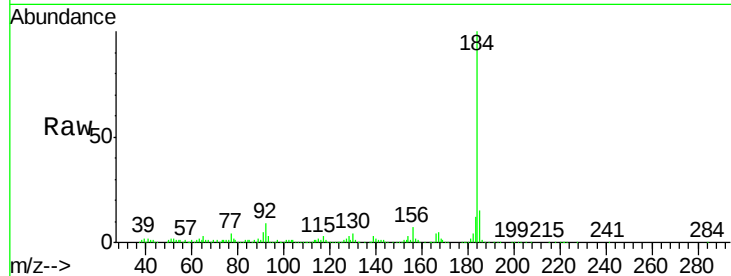
Tot Ion:184 Resp: 525009

Ion Ratio Lower Upper

184 100

185 14.7 12.0 18.0

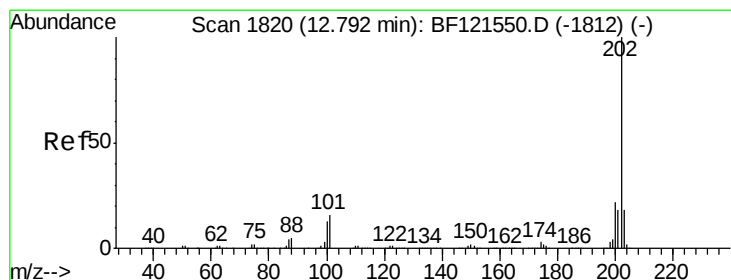
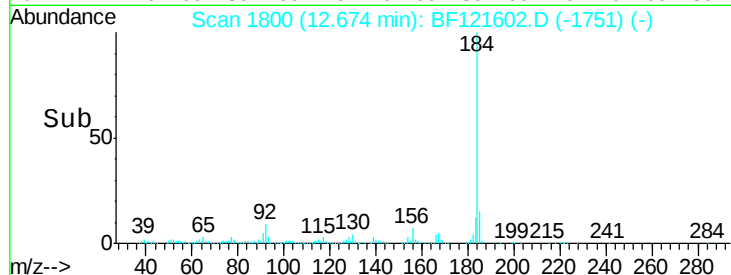
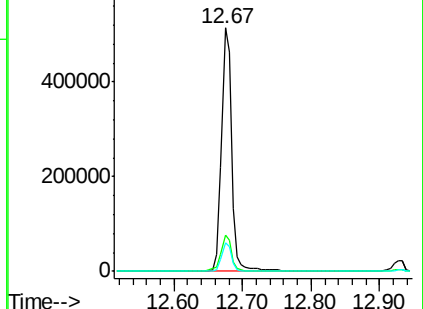
183 11.9 9.5 14.3



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: 50.753 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

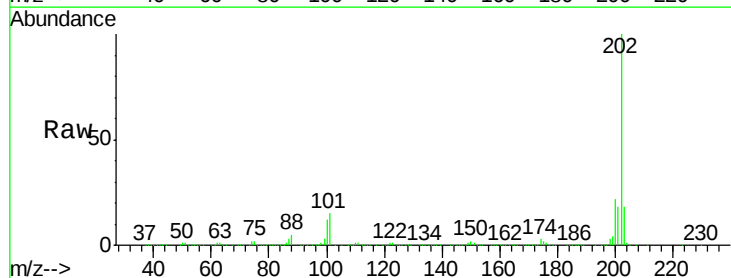
Tgt Ion:202 Resp: 1573821

Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.8

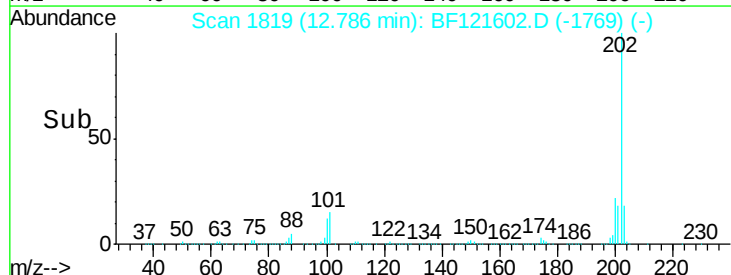
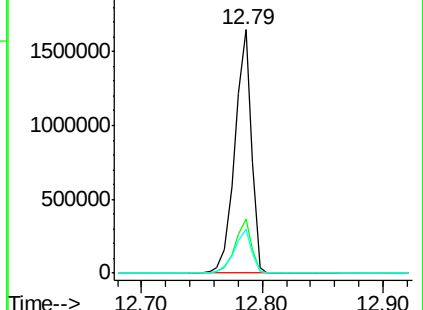
203 18.0 14.6 22.0



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: 93.193 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

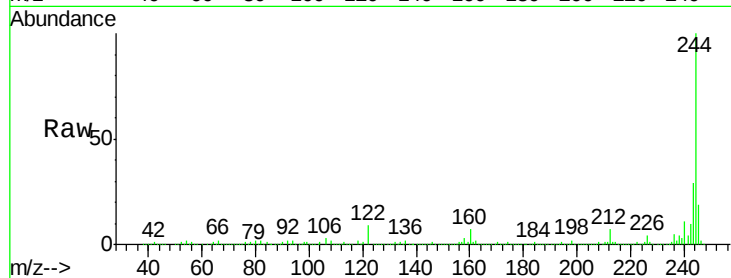
Tot Ion:244 Resp: 1952377

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

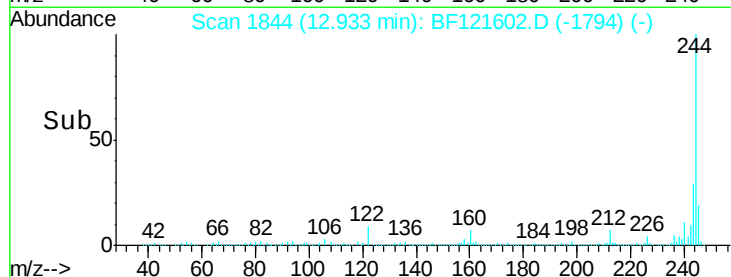
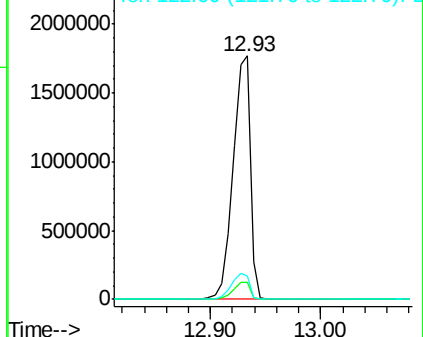
122 9.4 8.7 13.1



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: 51.919 ng

RT: 13.40 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

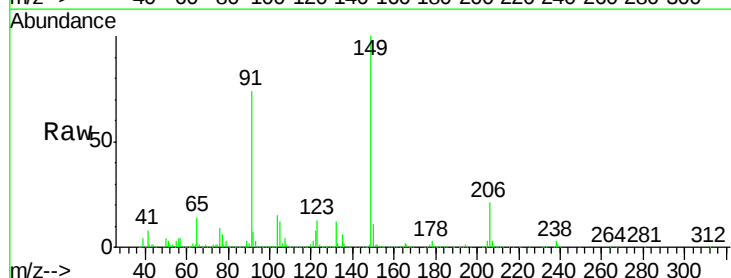
Tgt Ion:149 Resp: 651128

Ion Ratio Lower Upper

149 100

91 74.4 62.6 94.0

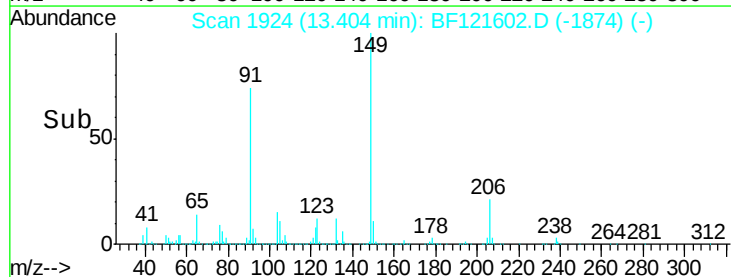
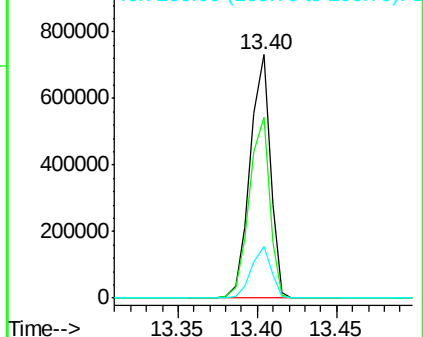
206 21.2 15.8 23.6

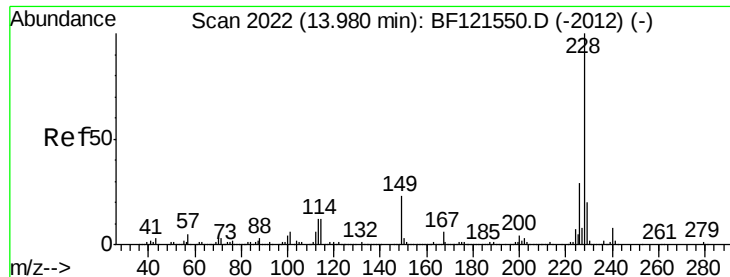


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.008 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

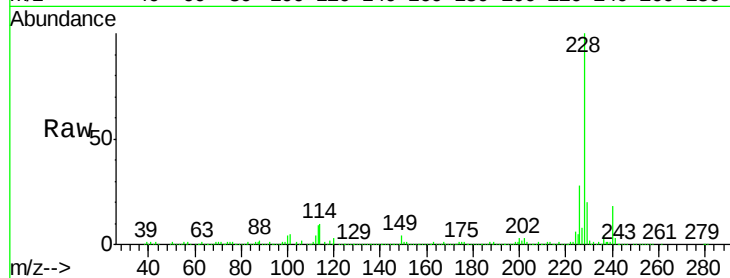
BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion:228 Resp: 1154806

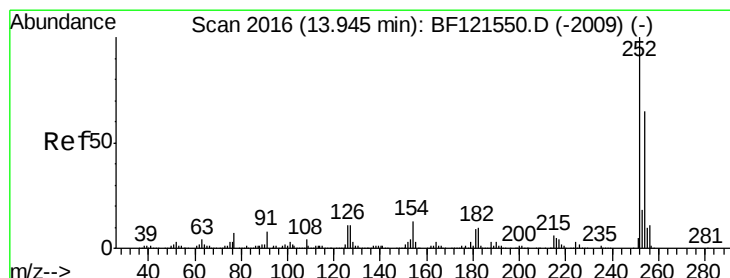
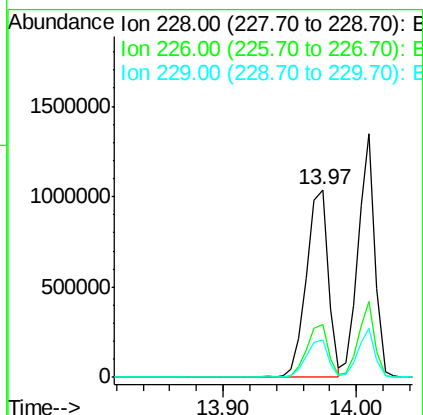
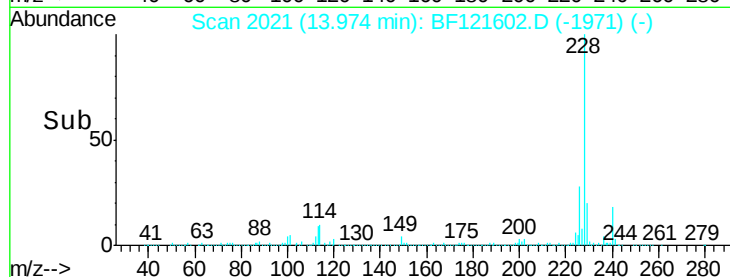
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.9	34.3
229	19.8	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 30.370 ng

RT: 13.93 min Scan# 2014

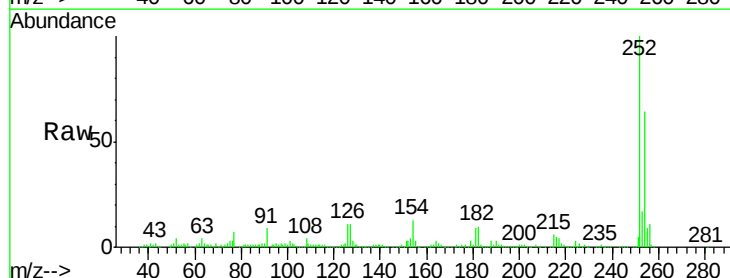
Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:252 Resp: 318354

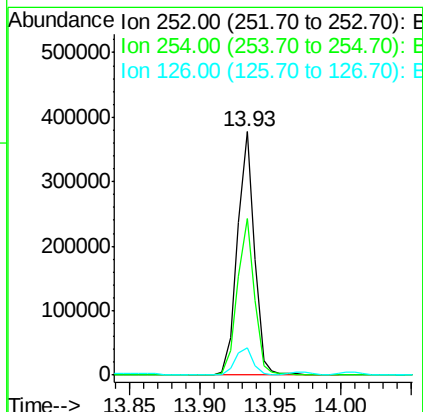
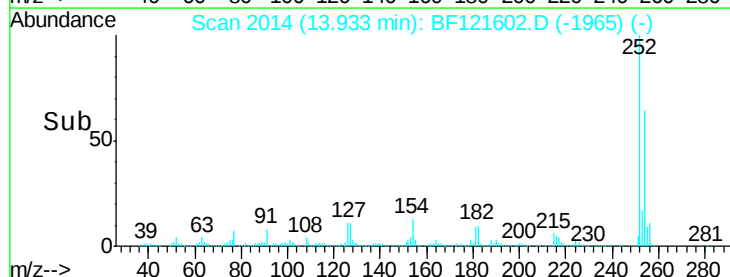
Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.3	78.5
126	11.0	9.1	13.7

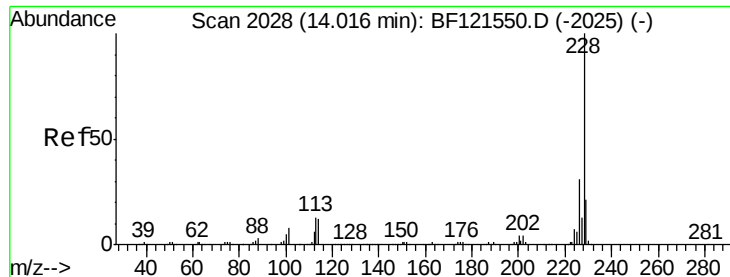


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

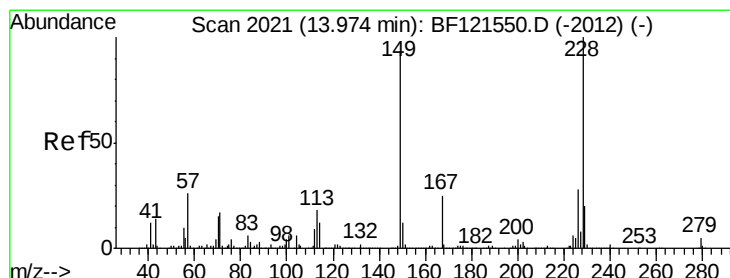
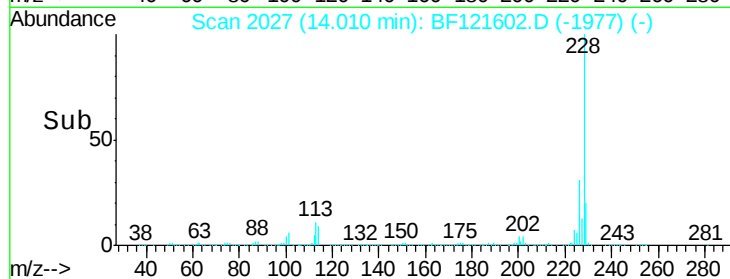
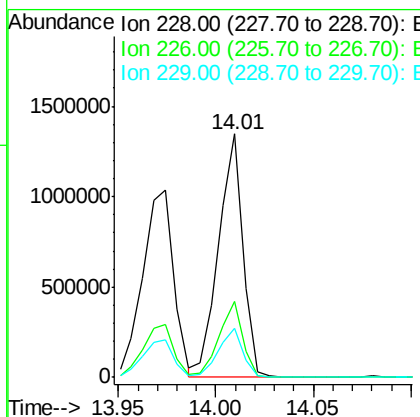
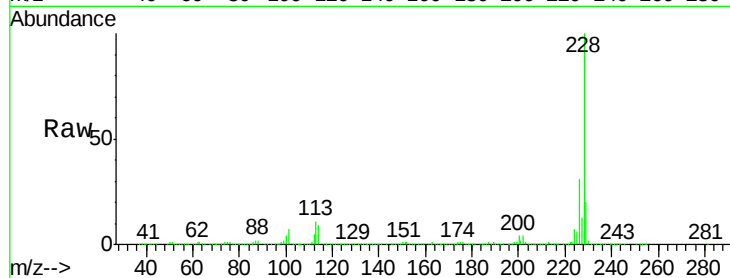




#83
 Chrvsene
 Concen: 42.802 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

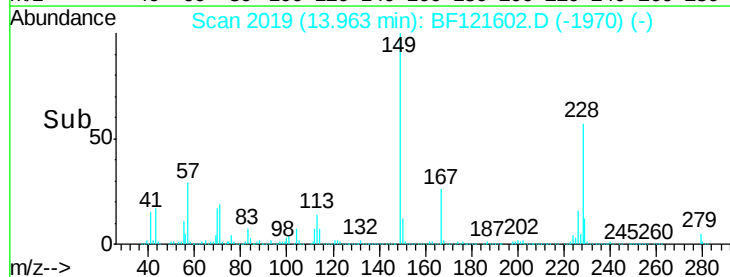
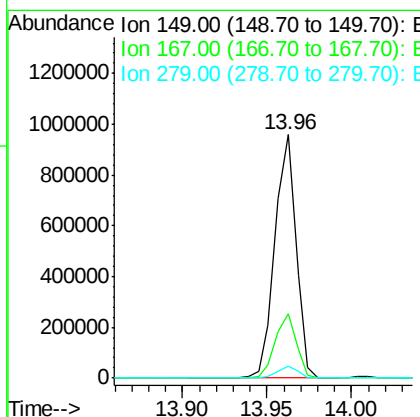
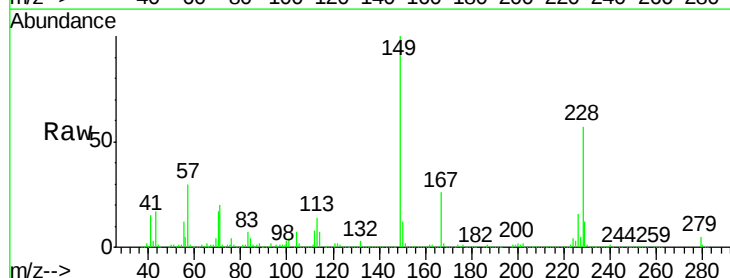
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

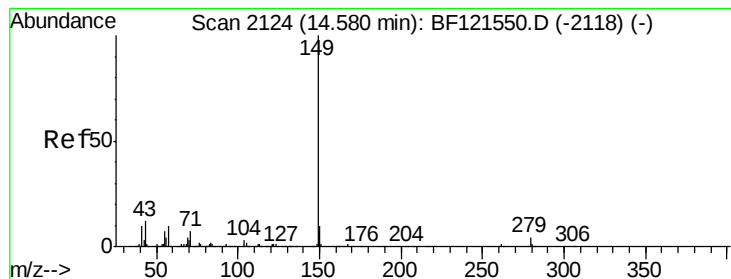
Tot Ion:228 Resp: 1163806
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.1 37.7
 229 20.0 16.6 25.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.528 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion:149 Resp: 829807
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.6 32.4
 279 4.8 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 45.297 ng

RT: 14.57 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

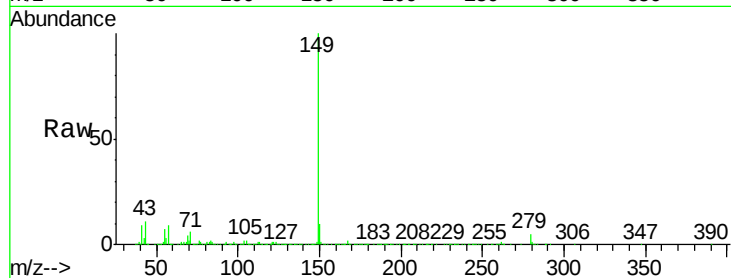
Tot Ion:149 Resp: 1339321

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

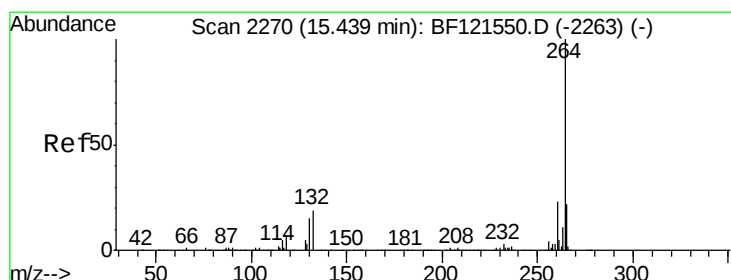
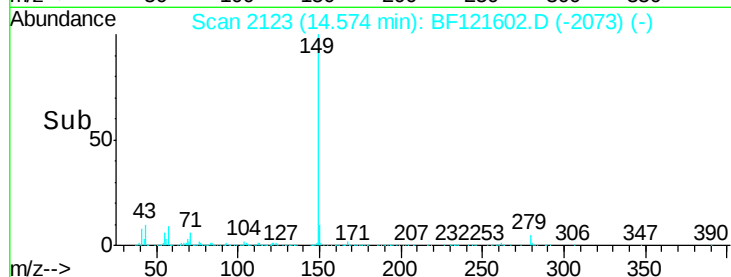
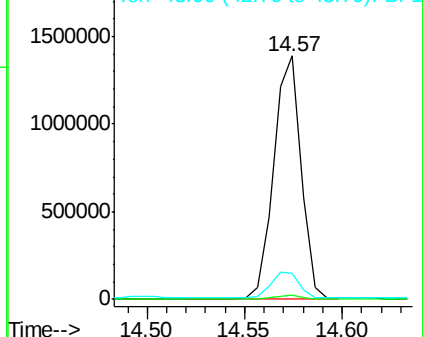
43 11.2 9.4 14.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

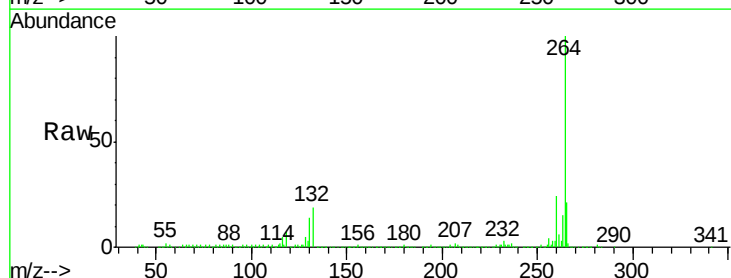
Tgt Ion:264 Resp: 378211

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

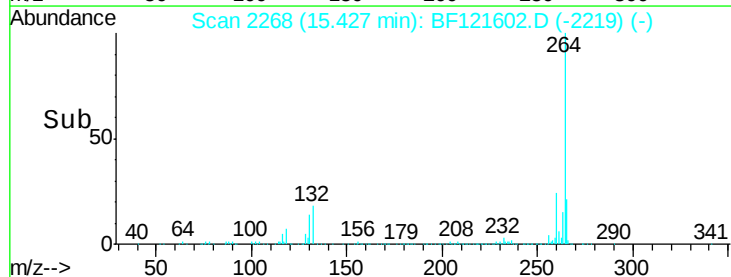
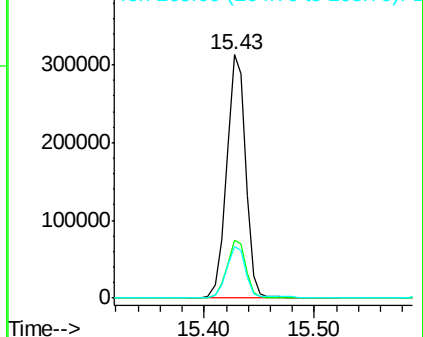
265 21.4 17.8 26.6

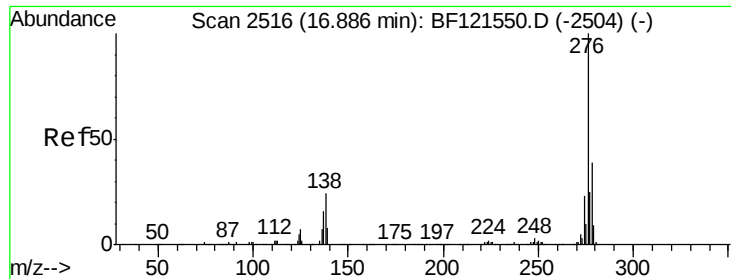


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

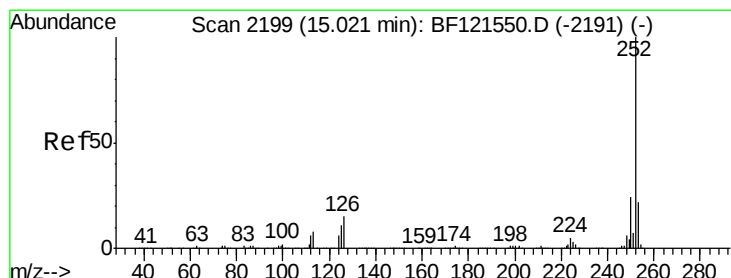
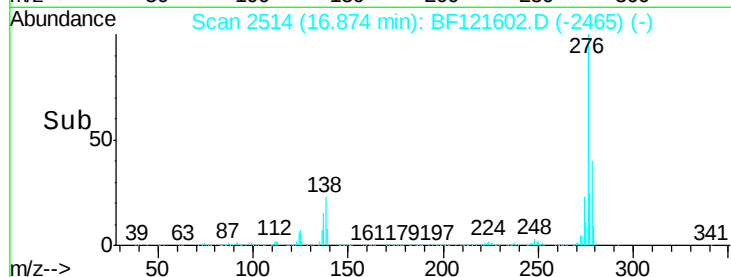
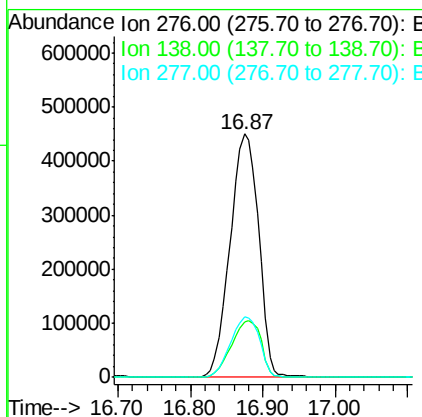
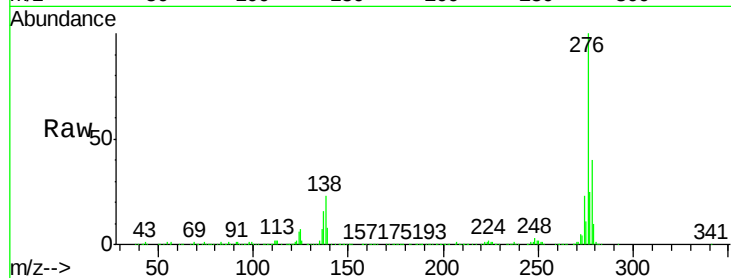




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 50.208 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

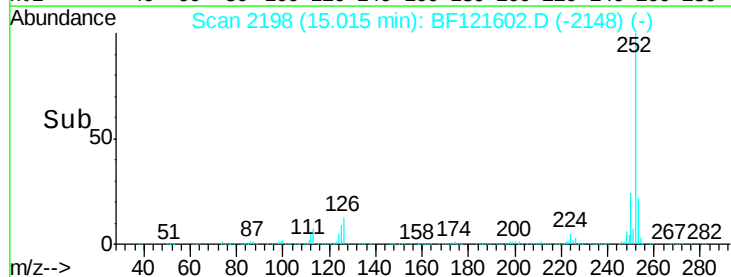
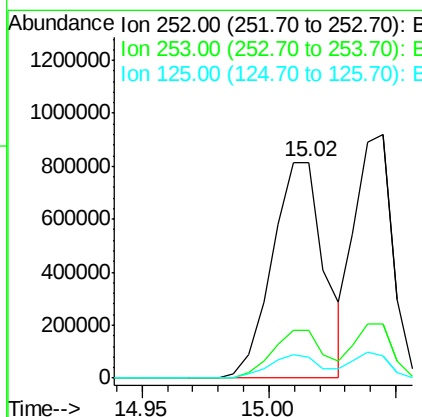
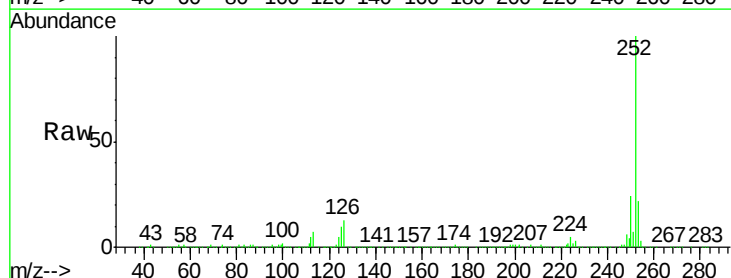
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion:276 Resp: 1236638
 Ion Ratio Lower Upper
 276 100
 138 24.5 20.6 31.0
 277 25.3 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 46.010 ng
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion:252 Resp: 1163299
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.9 26.9
 125 9.7 9.2 13.8

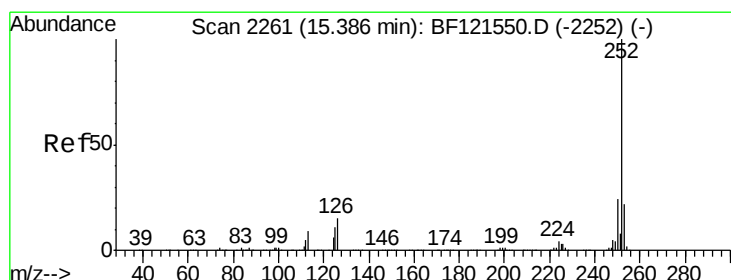
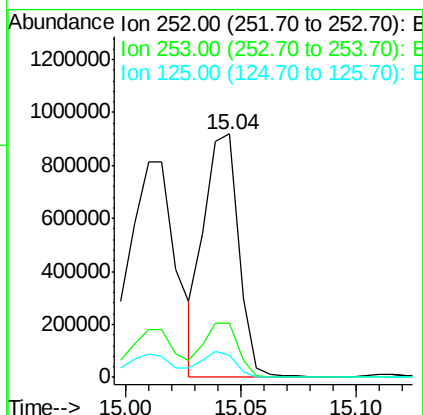
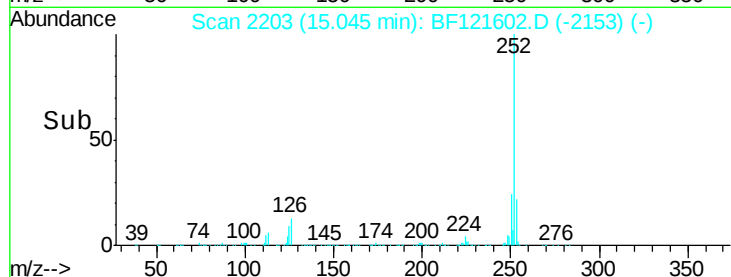
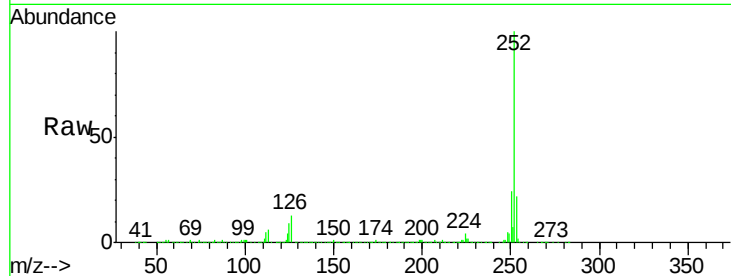




#89
Benzo(k)fluoranthene
Concen: 41.082 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

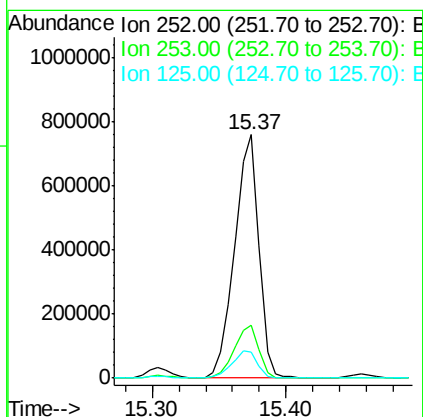
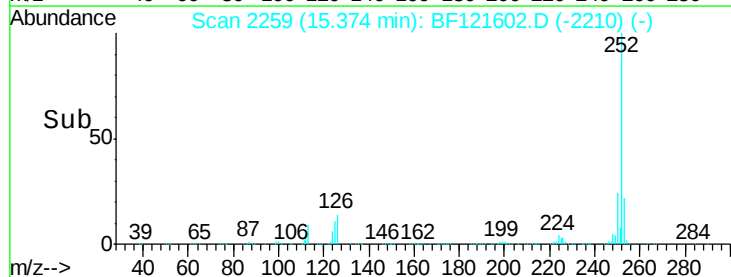
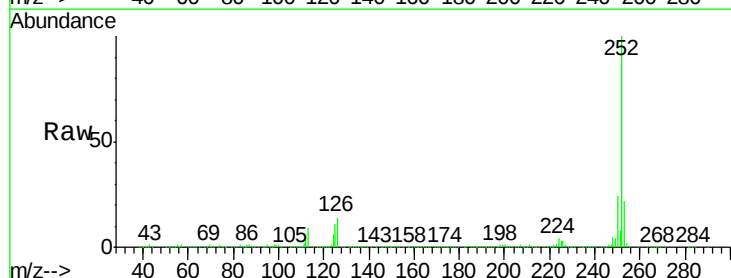
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

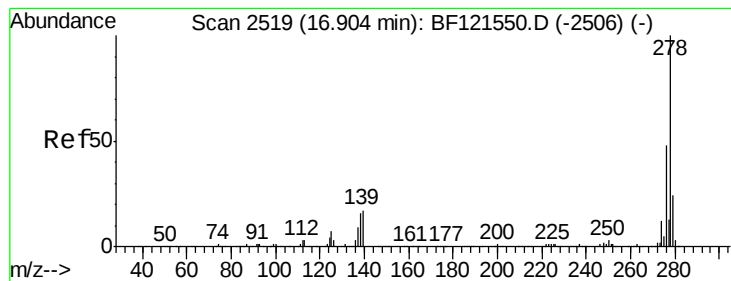
Tot Ion:252 Resp: 951179
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 9.3 9.8 14.6#



#90
Benzo(a)pyrene
Concen: 44.690 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:252 Resp: 960489
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 10.9 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 48.386 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

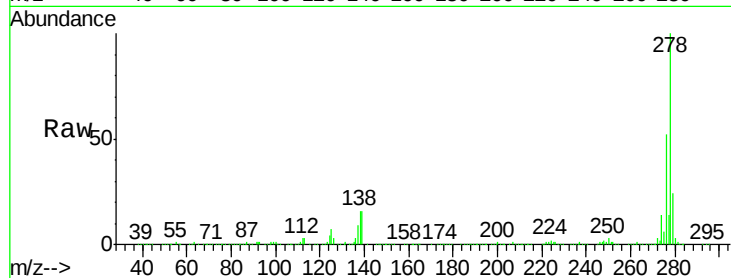
Tot Ion:278 Resp: 992053

Ion Ratio Lower Upper

278 100

139 16.0 13.9 20.9

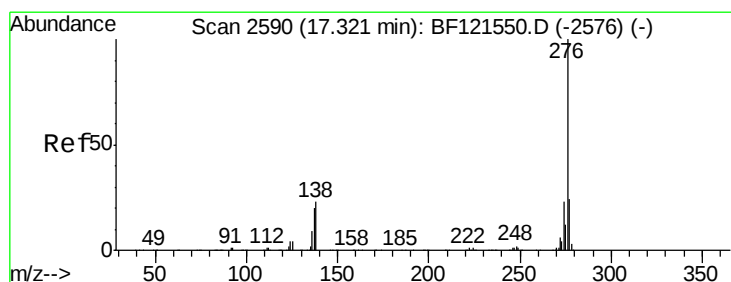
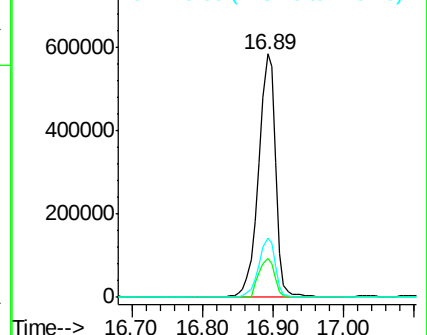
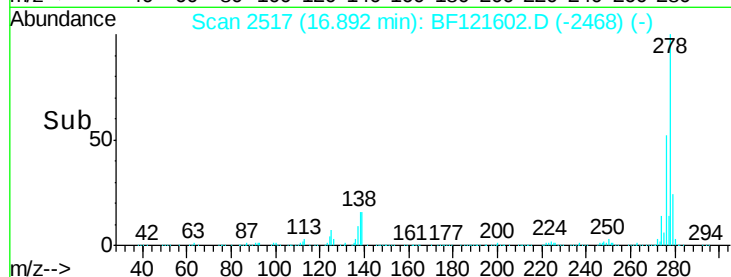
279 24.2 19.2 28.8



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: 52.783 ng

RT: 17.32 min Scan# 2589

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

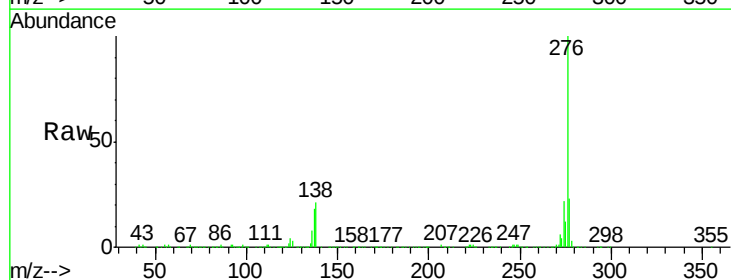
Tgt Ion:276 Resp: 1063789

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.0

138 20.9 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

