

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130275.D
 Acq On : 15 Sep 2022 17:13
 Operator : CG\JU
 Sample : N4600-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

Quant Time: Sep 16 03:30:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.681	152	102468	20.000	ng	0.00
21) Naphthalene-d8	7.963	136	404140	20.000	ng	0.00
39) Acenaphthene-d10	9.710	164	208711	20.000	ng	0.00
64) Phenanthrene-d10	11.192	188	347822	20.000	ng	0.00
76) Chrysene-d12	13.815	240	175191	20.000	ng	0.00
86) Perylene-d12	15.209	264	167146	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	736724	124.704	ng	0.02
7) Phenol-d6	6.316	99	843537	114.115	ng	0.00
23) Nitrobenzene-d5	7.245	82	655599	82.876	ng	0.00
42) 2,4,6-Tribromophenol	10.498	330	307513	153.768	ng	0.00
45) 2-Fluorobiphenyl	9.039	172	1207367	84.239	ng	0.00
79) Terphenyl-d14	12.774	244	1058579	100.092	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.504	88	100268	36.955	ng	# 84
3) Pyridine	3.157	79	215942	30.510	ng	95
4) n-Nitrosodimethylamine	3.093	42	151949	39.473	ng	99
6) Aniline	6.339	93	165170	18.135	ng	# 79
8) 2-Chlorophenol	6.463	128	302007	44.877	ng	95
9) Benzaldehyde	6.228	77	137029	27.674	ng	96
10) Phenol	6.328	94	314511	36.306	ng	99
11) bis(2-Chloroethyl)ether	6.422	93	282853	45.269	ng	98
12) 1,3-Dichlorobenzene	6.616	146	311437	42.058	ng	99
13) 1,4-Dichlorobenzene	6.698	146	324129	42.924	ng	98
14) 1,2-Dichlorobenzene	6.845	146	307208	43.550	ng	99
15) Benzyl Alcohol	6.828	79	193770	33.062	ng	95
16) 2,2'-oxybis(1-Chloropr...	6.963	45	385884	42.344	ng	91
17) 2-Methylphenol	6.939	107	266262	48.671	ng	97
18) Hexachloroethane	7.186	117	122621	41.196	ng	98
19) n-Nitroso-di-n-propyla...	7.104	70	220923	44.291	ng	94
20) 3+4-Methylphenols	7.092	107	296811	41.765	ng	90
22) Acetophenone	7.092	105	450771	45.622	ng	96
24) Nitrobenzene	7.263	77	337586	42.028	ng	99
25) Isophorone	7.504	82	588162	46.130	ng	99
26) 2-Nitrophenol	7.581	139	159686	48.496	ng	92
27) 2,4-Dimethylphenol	7.622	122	267523	52.766	ng	98
28) bis(2-Chloroethoxy)met...	7.722	93	352225	49.061	ng	99
29) 2,4-Dichlorophenol	7.822	162	251174	45.209	ng	97
30) 1,2,4-Trichlorobenzene	7.904	180	259509	43.203	ng	96
31) Naphthalene	7.981	128	892303	42.856	ng	99
32) Benzoic acid	7.745	122	148987	38.000	ng	96
33) 4-Chloroaniline	8.033	127	69402	8.764	ng	95
34) Hexachlorobutadiene	8.098	225	162563	42.347	ng	98
35) Caprolactam	8.410	113	40148	25.207	ng	90
36) 4-Chloro-3-methylphenol	8.522	107	281556	45.721	ng	99
37) 2-Methylnaphthalene	8.675	142	584510	44.030	ng	98
38) 1-Methylnaphthalene	8.769	142	550641	43.178	ng	100
40) 1,2,4,5-Tetrachloroben...	8.839	216	264126	46.372	ng	99
41) Hexachlorocyclopentadiene	8.828	237	342430	112.291	ng	100
43) 2,4,6-Trichlorophenol	8.951	196	176015	44.279	ng	95

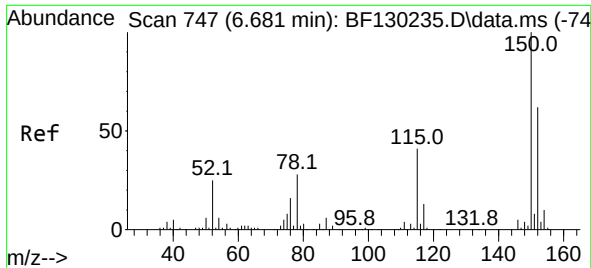
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	8.992	196	199081	46.410	ng	97
46) 1,1'-Biphenyl	9.139	154	717024	46.000	ng	98
47) 2-Chloronaphthalene	9.163	162	558923	44.326	ng	97
48) 2-Nitroaniline	9.263	65	180549	42.931	ng	90
49) Acenaphthylene	9.575	152	832003	44.008	ng	99
50) Dimethylphthalate	9.445	163	656098	45.509	ng	100
51) 2,6-Dinitrotoluene	9.504	165	143886	47.722	ng	92
52) Acenaphthene	9.745	154	506035	40.738	ng	100
53) 3-Nitroaniline	9.669	138	74599	22.204	ng	97
54) 2,4-Dinitrophenol	9.775	184	136987	83.460	ng	99
55) Dibenzofuran	9.916	168	763148	44.170	ng	98
56) 4-Nitrophenol	9.833	139	198437	81.093	ng	96
57) 2,4-Dinitrotoluene	9.904	165	189163	49.090	ng	97
58) Fluorene	10.257	166	621689	43.998	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.033	232	152746	45.493	ng	96
60) Diethylphthalate	10.145	149	649819	44.947	ng	100
61) 4-Chlorophenyl-phenyle...	10.257	204	286085	46.154	ng	92
62) 4-Nitroaniline	10.286	138	136631	40.482	ng	96
63) Azobenzene	10.416	77	618301	41.533	ng	97
65) 4,6-Dinitro-2-methylph...	10.310	198	87107	44.988	ng	85
66) n-Nitrosodiphenylamine	10.374	169	516071	44.400	ng	99
67) 4-Bromophenyl-phenylether	10.739	248	178638	46.556	ng	95
68) Hexachlorobenzene	10.798	284	201974	46.436	ng	# 91
69) Atrazine	10.904	200	167831	49.410	ng	98
70) Pentachlorophenol	10.998	266	214552	91.911	ng	97
71) Phenanthrene	11.216	178	842154	43.125	ng	100
72) Anthracene	11.269	178	844291	44.802	ng	99
73) Carbazole	11.421	167	742636	43.665	ng	100
74) Di-n-butylphthalate	11.763	149	914556	44.593	ng	99
75) Fluoranthene	12.398	202	782068	41.445	ng	98
77) Benzidine	12.521	184	107979	21.232	ng	99
78) Pyrene	12.621	202	765592	49.954	ng	99
80) Butylbenzylphthalate	13.251	149	291718	51.381	ng	99
81) Benzo(a)anthracene	13.810	228	525290	45.072	ng	99
82) 3,3'-Dichlorobenzidine	13.774	252	106520	33.576	ng	99
83) Chrysene	13.845	228	479362	43.318	ng	100
84) Bis(2-ethylhexyl)phtha...	13.810	149	341594	52.526	ng	98
85) Di-n-octyl phthalate	14.421	149	460599	46.306	ng	98
87) Indeno(1,2,3-cd)pyrene	16.545	276	597347	50.396	ng	99
88) Benzo(b)fluoranthene	14.815	252	501635	45.981	ng	99
89) Benzo(k)fluoranthene	14.845	252	436208	40.647	ng	99
90) Benzo(a)pyrene	15.151	252	425998	49.288	ng	99
91) Dibenzo(a,h)anthracene	16.562	278	517375	53.208	ng	99
92) Benzo(g,h,i)perylene	16.945	276	514850	52.562	ng	99

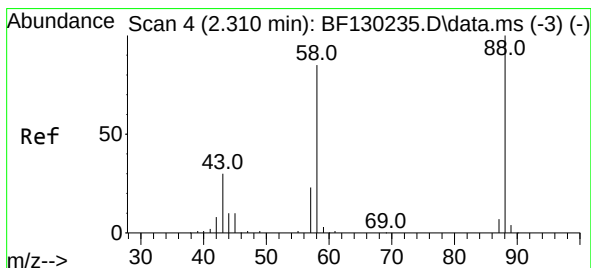
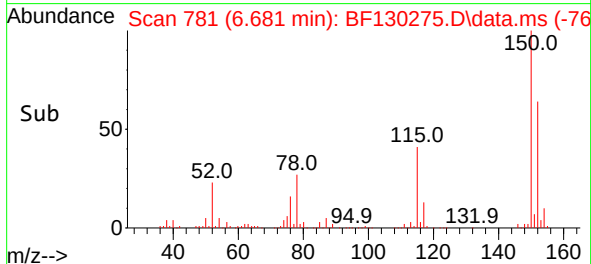
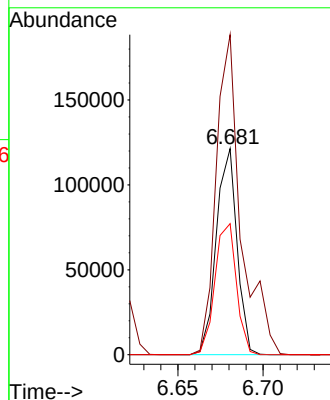
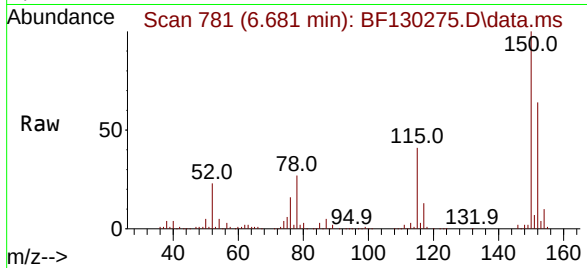
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.681 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF130275.D
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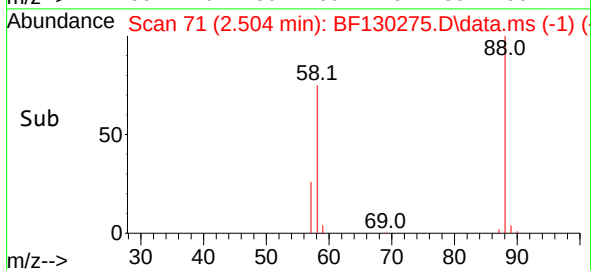
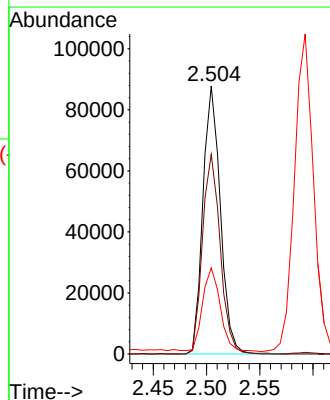
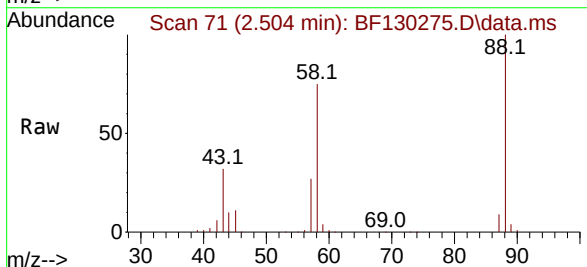
Instrument :
 BNA_F
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 OH-SOIL-0913MSD

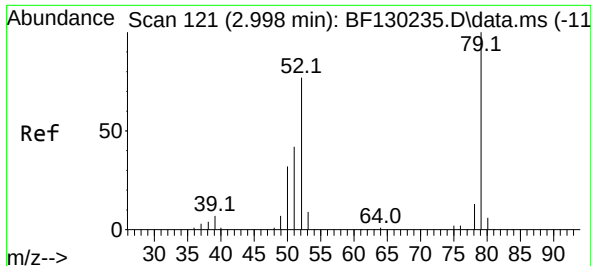
Tgt Ion:152 Resp: 102468
 Ion Ratio Lower Upper
 152 100
 150 155.3 122.8 184.2
 115 63.6 53.8 80.8



#2
 1,4-Dioxane
 Concen: 36.955 ng
 RT: 2.504 min Scan# 71
 Delta R.T. 0.194 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Tgt Ion: 88 Resp: 100268
 Ion Ratio Lower Upper
 88 100
 58 75.6 61.3 91.9
 43 0.0 23.0 34.6#





#3

Pyridine

Concen: 30.510 ng

RT: 3.157 min Scan# 11

Delta R.T. 0.159 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

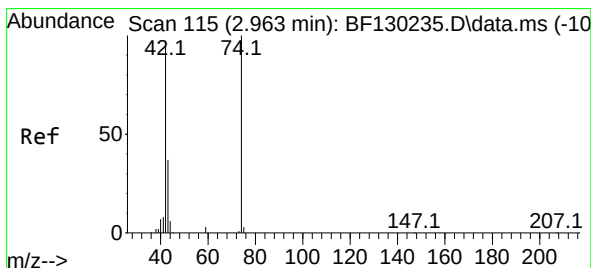
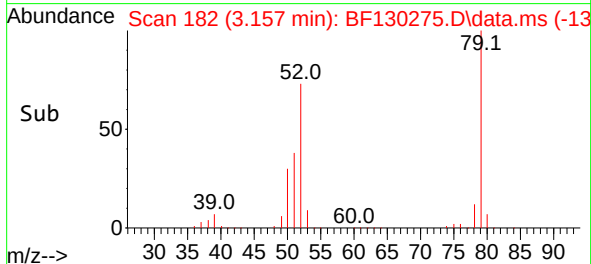
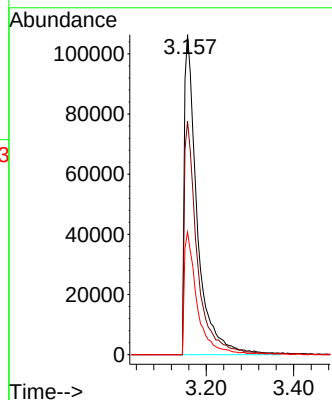
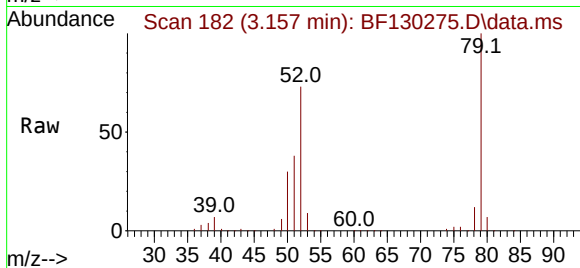
Tgt Ion: 79 Resp: 215942

Ion Ratio Lower Upper

79 100

52 73.0 62.4 93.6

51 38.4 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 39.473 ng

RT: 3.093 min Scan# 171

Delta R.T. 0.129 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

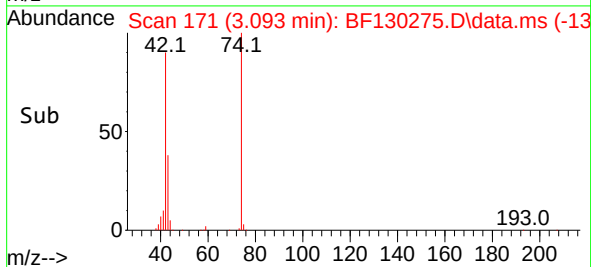
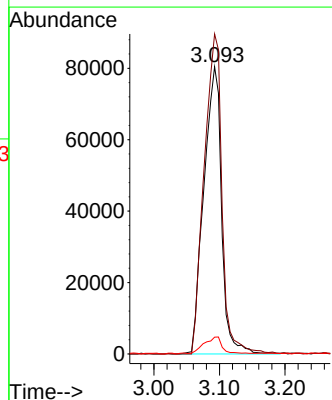
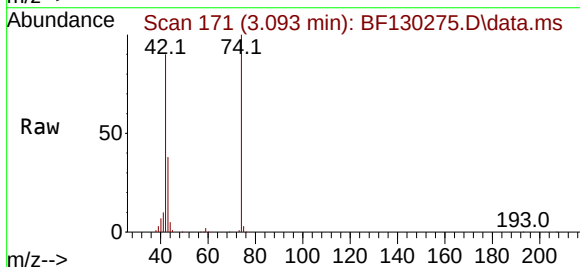
Tgt Ion: 42 Resp: 151949

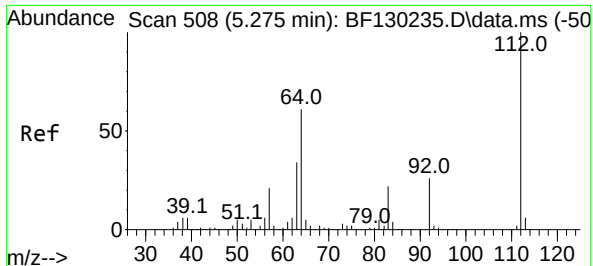
Ion Ratio Lower Upper

42 100

74 111.4 88.4 132.6

44 5.9 5.0 7.4

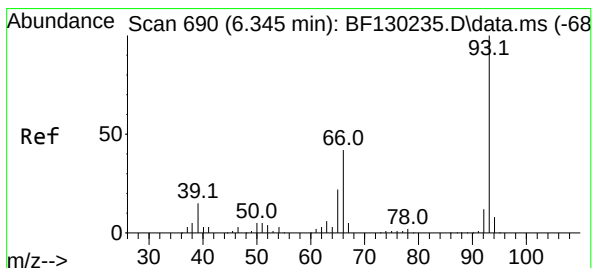
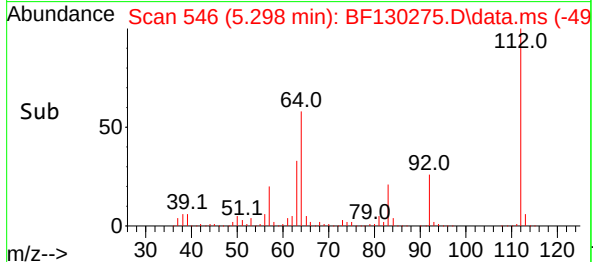
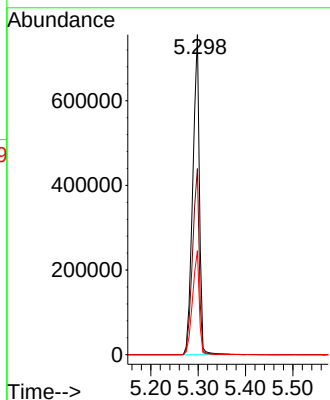
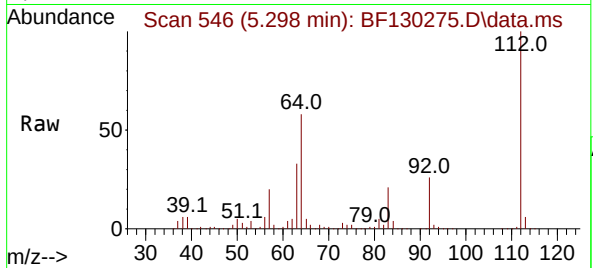




#5
2-Fluorophenol
Concen: 124.704 ng
RT: 5.298 min Scan# 54
Delta R.T. 0.024 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

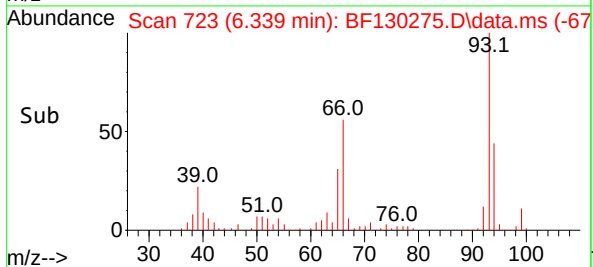
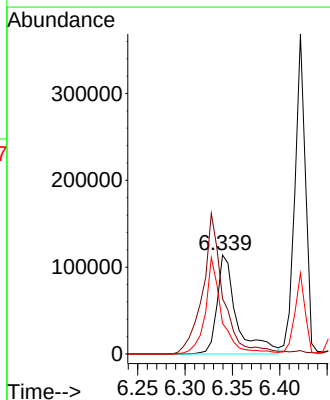
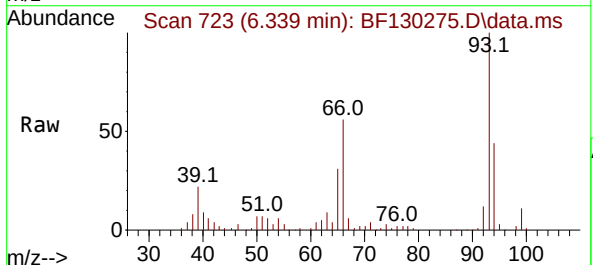
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ClientSampleId :
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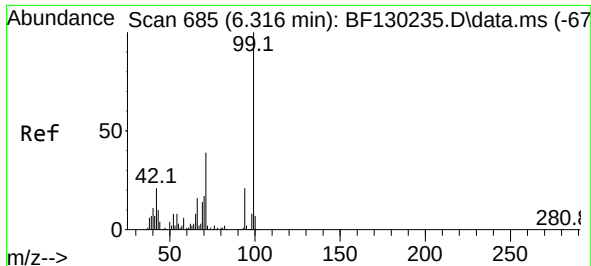
Tgt Ion:112 Resp: 736724
Ion Ratio Lower Upper
112 100
64 58.1 51.4 77.0
63 32.5 28.8 43.2



#6
Aniline
Concen: 18.135 ng
RT: 6.339 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 93 Resp: 165170
Ion Ratio Lower Upper
93 100
66 55.8 34.2 51.4#
65 30.9 16.6 24.8#

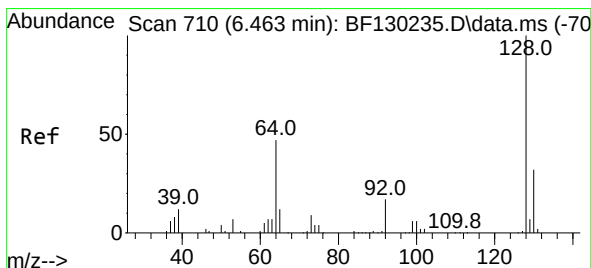
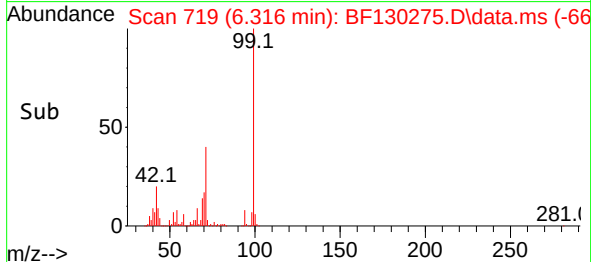
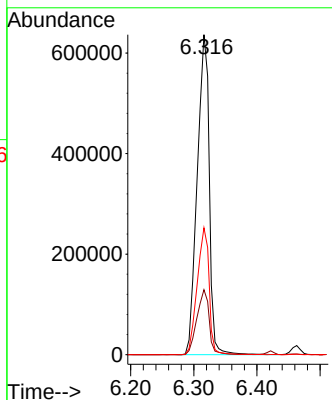
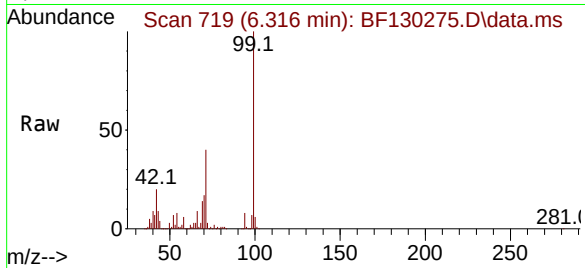




#7
Phenol-d6
Concen: 114.115 ng
RT: 6.316 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

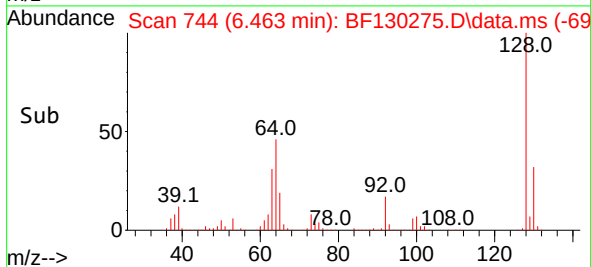
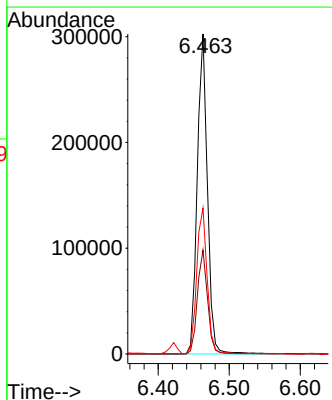
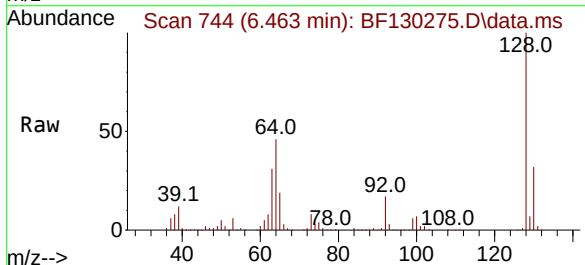
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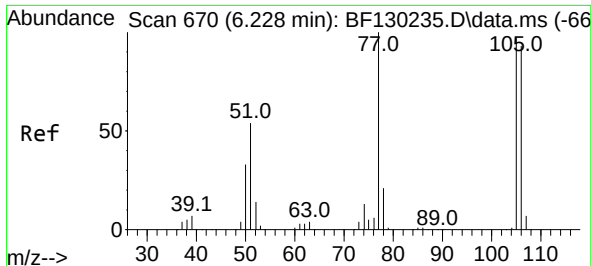
Tgt Ion: 99 Resp: 843537
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 39.7 32.3 48.5



#8
2-Chlorophenol
Concen: 44.877 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 128 Resp: 302007
Ion Ratio Lower Upper
128 100
130 32.5 12.4 52.4
64 45.6 31.6 71.6

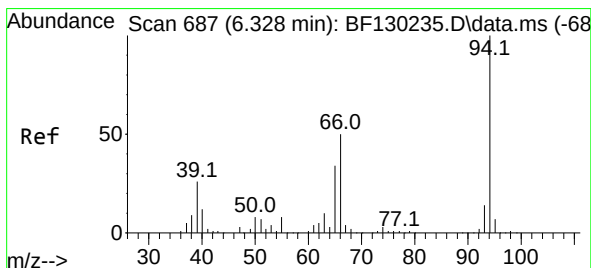
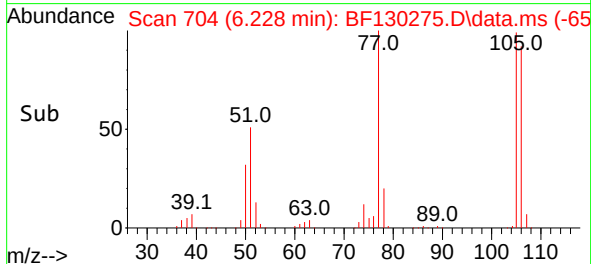
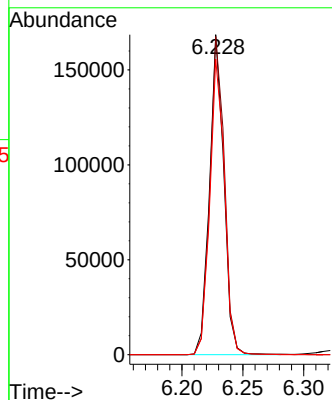
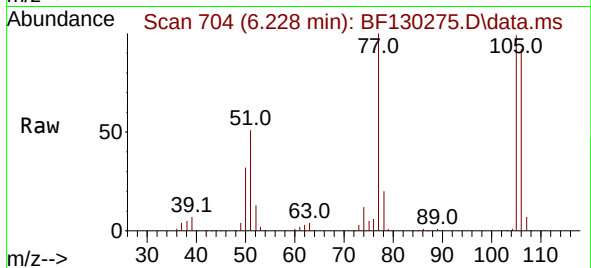




#9
Benzaldehyde
Concen: 27.674 ng
RT: 6.228 min Scan# 704
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

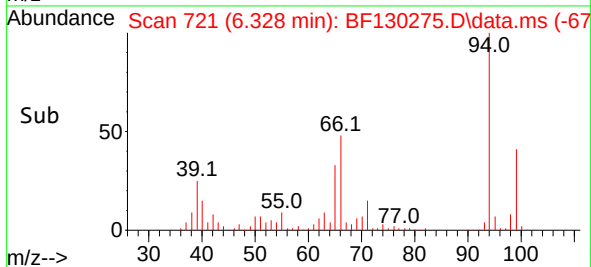
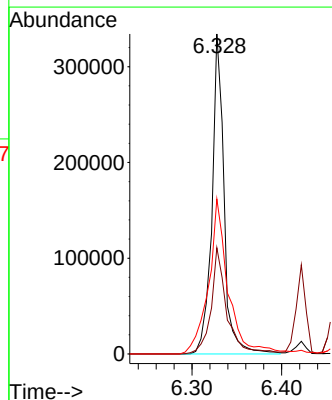
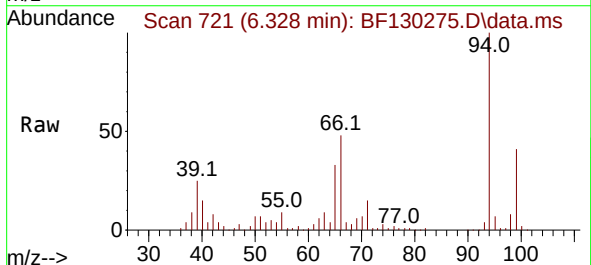
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

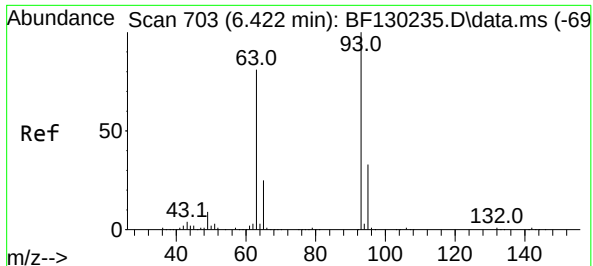
Tgt Ion: 77 Resp: 137029
Ion Ratio Lower Upper
77 100
105 99.4 75.1 115.1
106 92.4 69.7 109.7



#10
Phenol
Concen: 36.306 ng
RT: 6.328 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 94 Resp: 314511
Ion Ratio Lower Upper
94 100
65 33.2 14.1 54.1
66 48.4 28.1 68.1

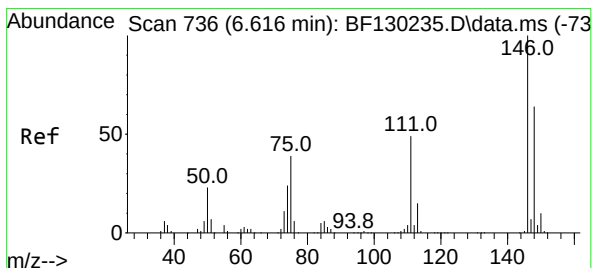
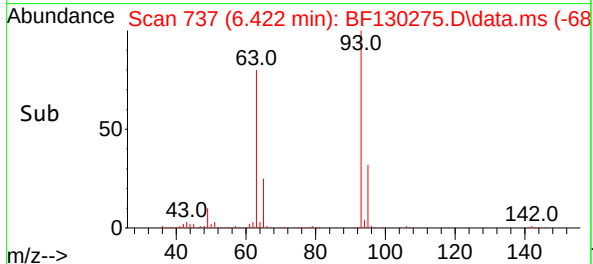
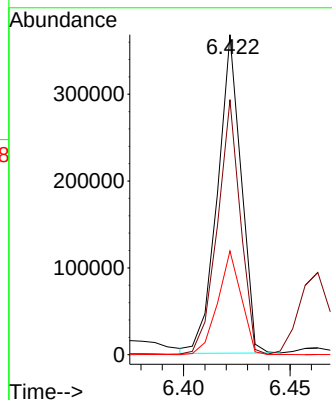
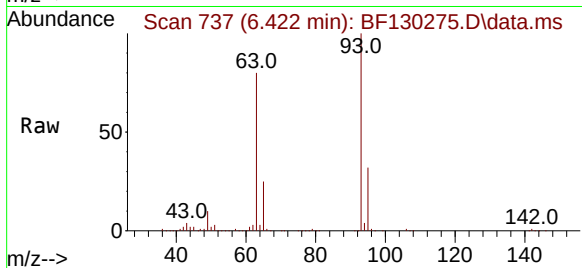




#11
bis(2-Chloroethyl)ether
Concen: 45.269 ng
RT: 6.422 min Scan# 703
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

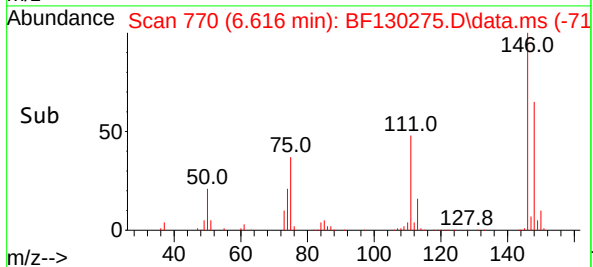
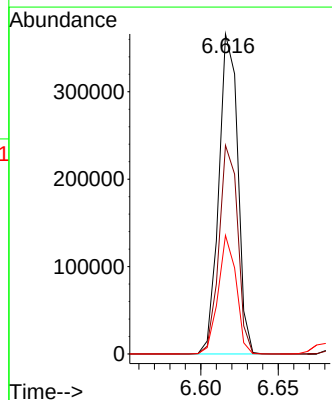
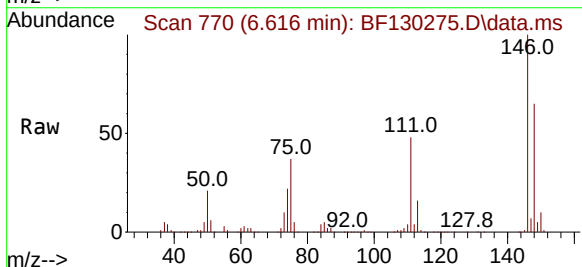
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

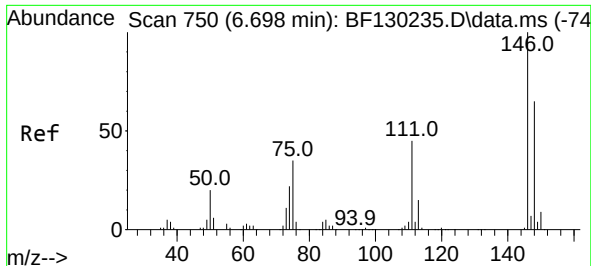
Tgt Ion: 93 Resp: 282853
Ion Ratio Lower Upper
93 100
63 79.7 62.5 102.5
95 32.4 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.058 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:146 Resp: 311437
Ion Ratio Lower Upper
146 100
148 65.2 51.4 77.2
75 37.0 28.8 43.2





#13

1,4-Dichlorobenzene

Concen: 42.924 ng

RT: 6.698 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

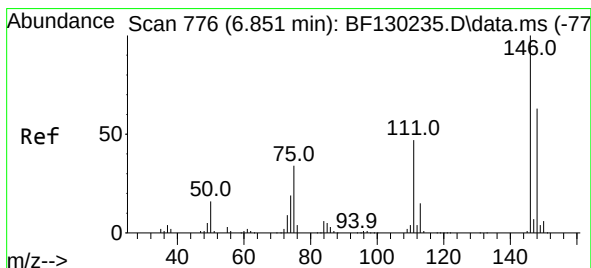
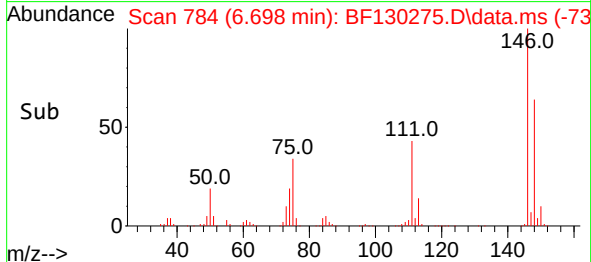
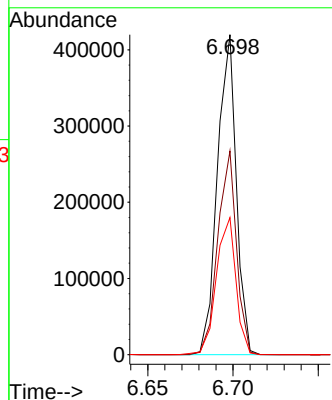
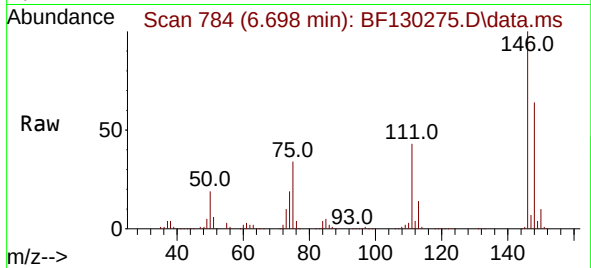
Tgt Ion:146 Resp: 324129

Ion Ratio Lower Upper

146 100

148 63.7 50.3 75.5

111 42.9 36.3 54.5



#14

1,2-Dichlorobenzene

Concen: 43.550 ng

RT: 6.845 min Scan# 809

Delta R.T. -0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

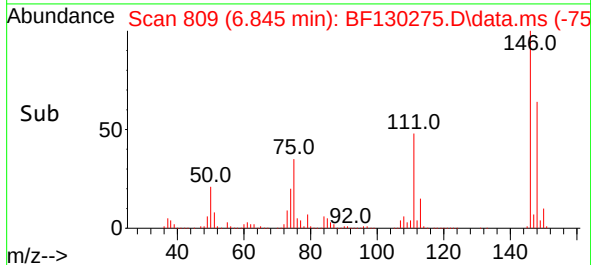
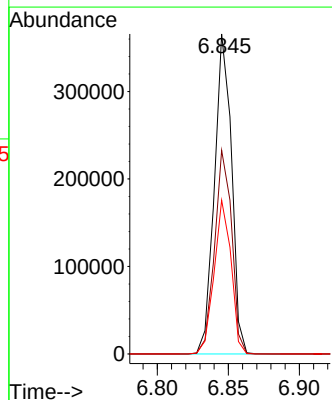
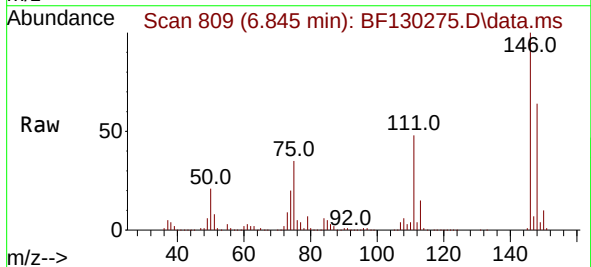
Tgt Ion:146 Resp: 307208

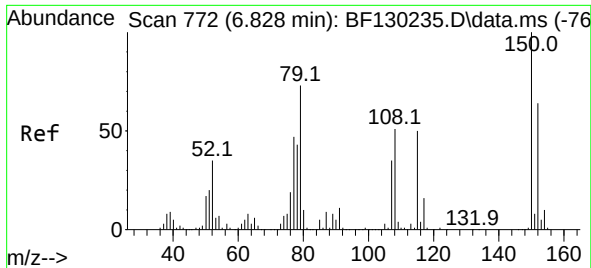
Ion Ratio Lower Upper

146 100

148 63.7 51.6 77.4

111 48.0 39.2 58.8

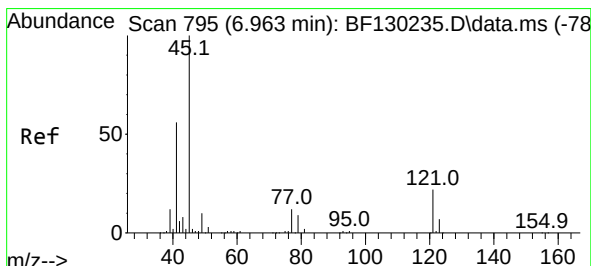
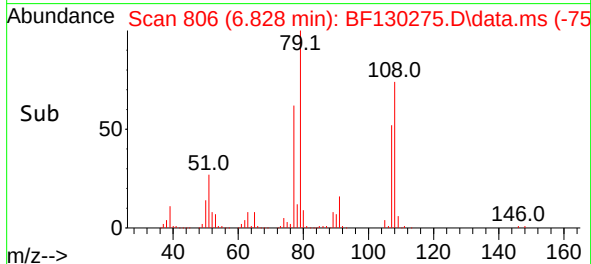
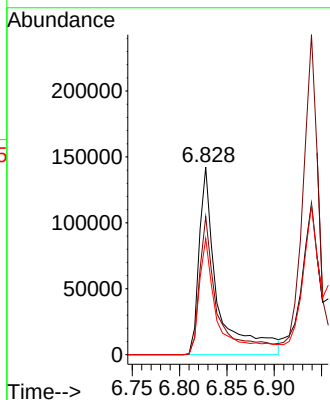
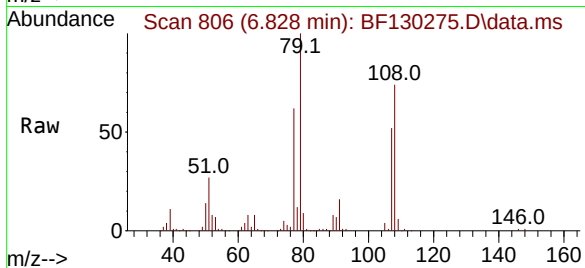




#15
Benzyl Alcohol
Concen: 33.062 ng
RT: 6.828 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

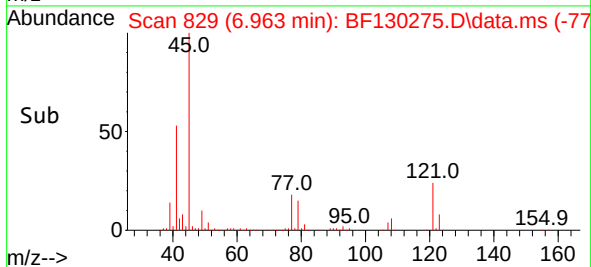
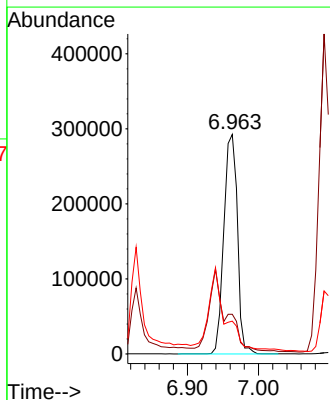
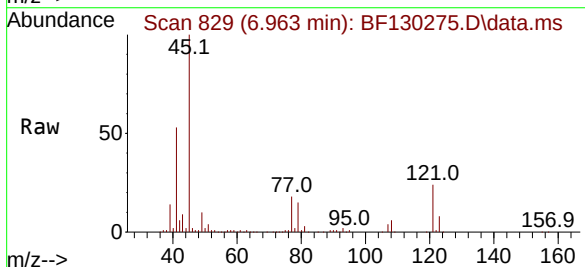
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

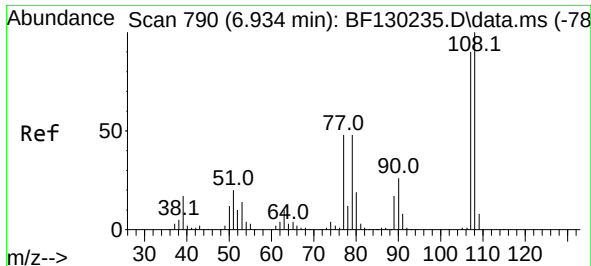
Tgt Ion: 79 Resp: 193770
Ion Ratio Lower Upper
79 100
108 73.6 54.0 81.0
77 61.9 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.344 ng
RT: 6.963 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 45 Resp: 385884
Ion Ratio Lower Upper
45 100
77 18.1 0.0 34.9
79 14.9 0.0 31.0

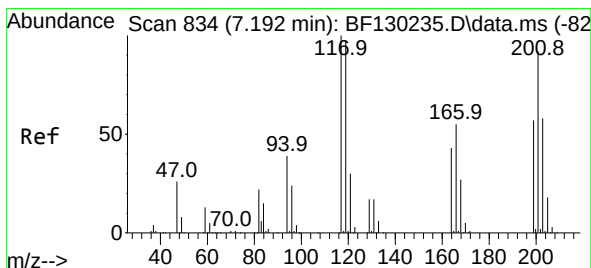
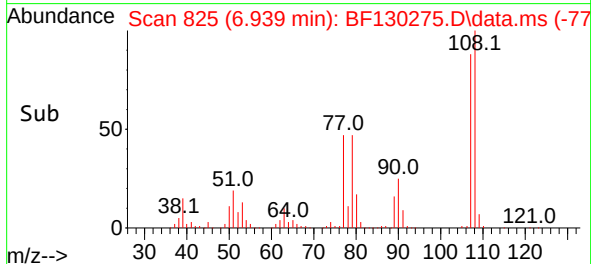
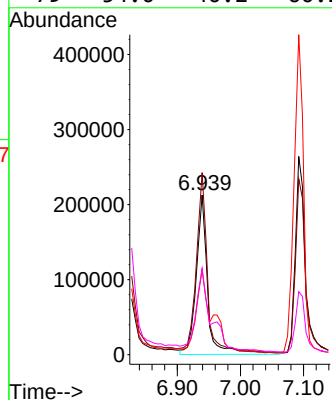
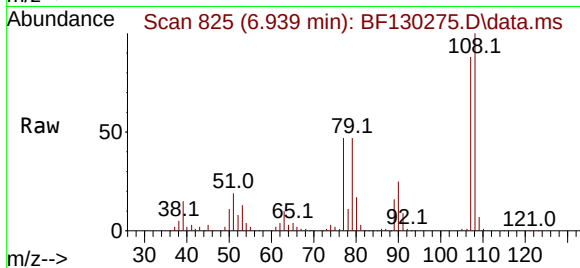




#17
2-Methylphenol
Concen: 48.671 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

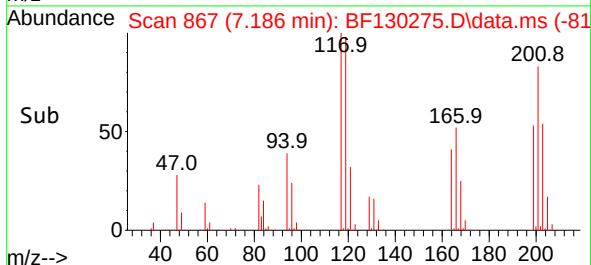
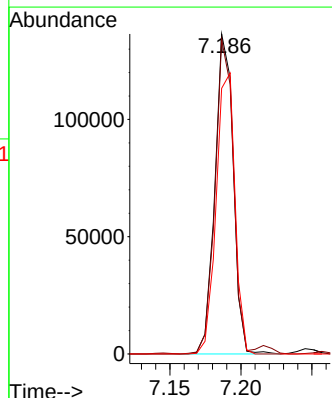
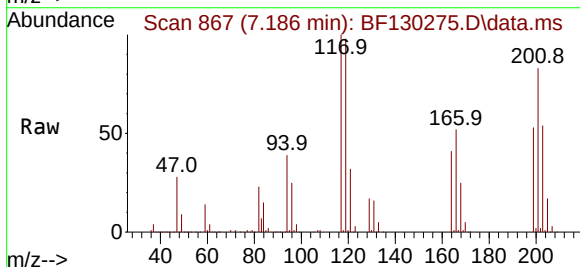
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

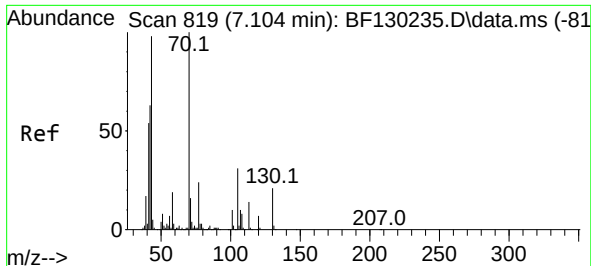
Tgt Ion:	107	Resp:	266262
Ion	Ratio	Lower	Upper
107	100		
108	114.0	89.4	134.0
77	53.1	40.6	60.8
79	54.0	40.2	60.2



#18
Hexachloroethane
Concen: 41.196 ng
RT: 7.186 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:	117	Resp:	122621
Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
201	83.0	68.7	103.1

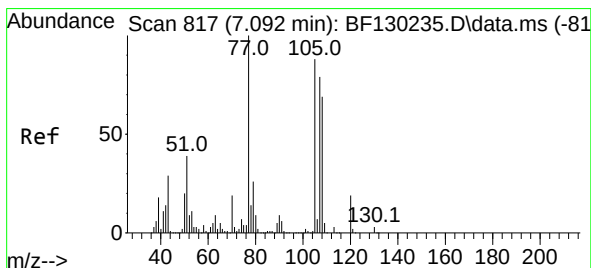
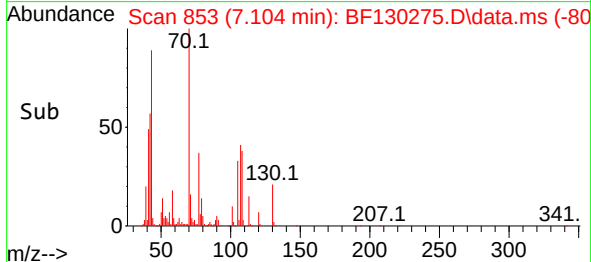
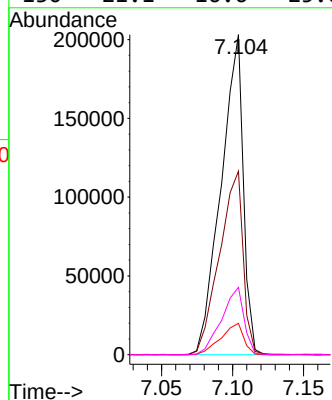
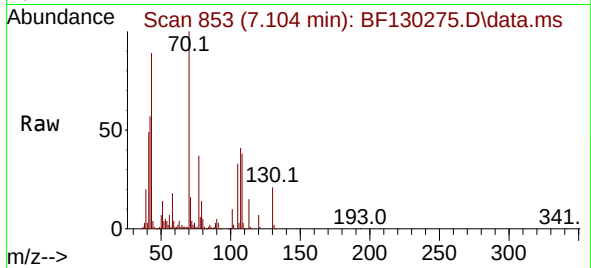




#19
n-Nitroso-di-n-propylamine
Concen: 44.291 ng
RT: 7.104 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

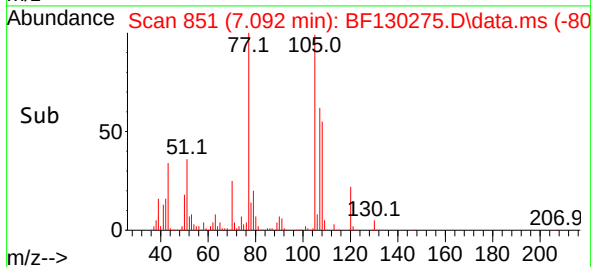
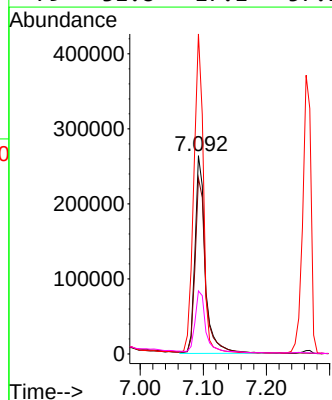
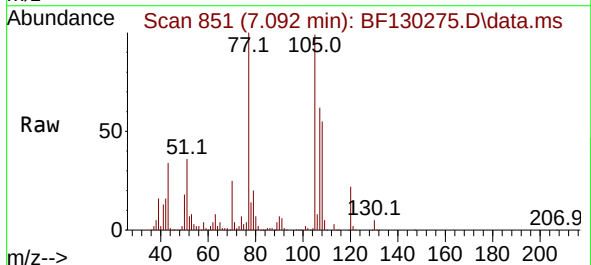
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

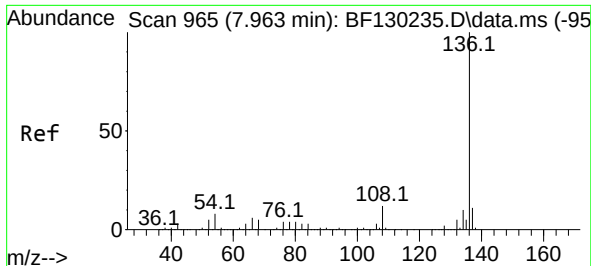
Tgt Ion: 70 Resp: 220923
Ion Ratio Lower Upper
70 100
42 57.4 50.8 76.2
101 9.8 8.2 12.4
130 21.1 16.6 25.0



#20
3+4-Methylphenols
Concen: 41.765 ng
RT: 7.092 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 107 Resp: 296811
Ion Ratio Lower Upper
107 100
108 88.7 74.8 114.8
77 161.4 125.8 165.8
79 31.8 17.1 57.1

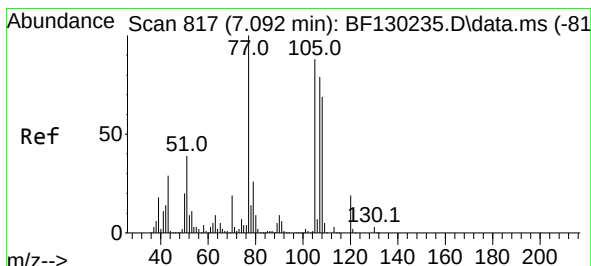
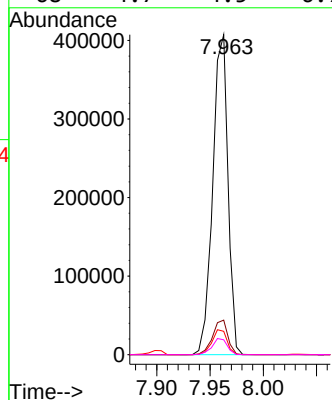
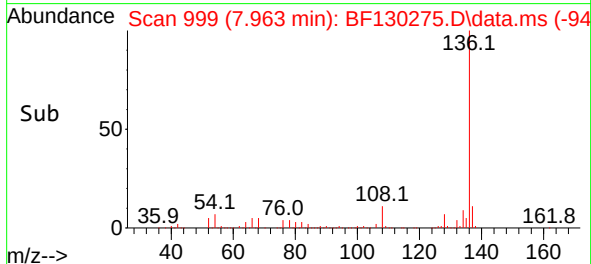
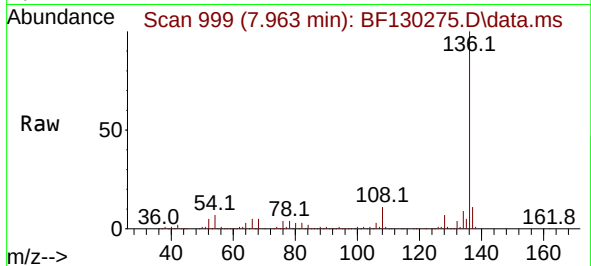




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.963 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

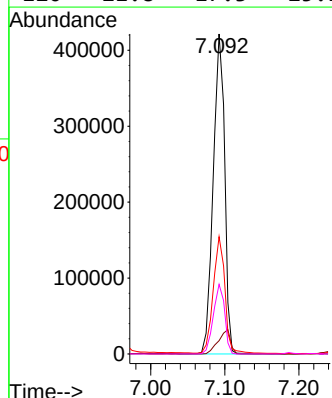
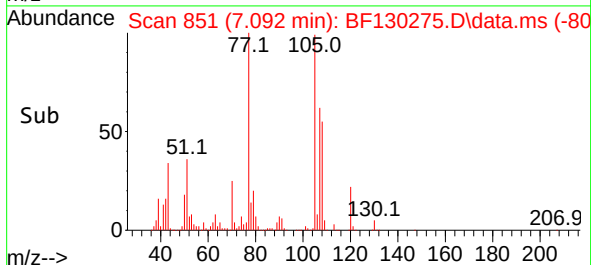
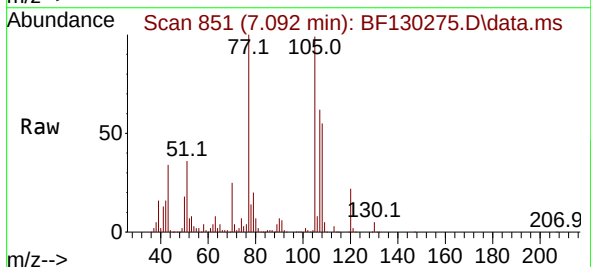
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

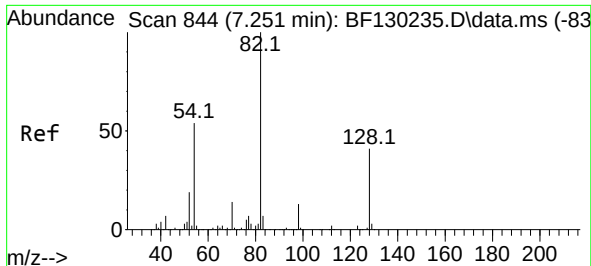
Tgt Ion:	136	Resp:	404140
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	7.3	7.1	10.7
68	4.7	4.5	6.7



#22
Acetophenone
Concen: 45.622 ng
RT: 7.092 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:	105	Resp:	450771
Ion Ratio	Lower	Upper	
105	100		
71	4.1	3.9	5.9
51	36.7	32.2	48.2
120	21.8	17.3	25.9





#23

Nitrobenzene-d5

Concen: 82.876 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

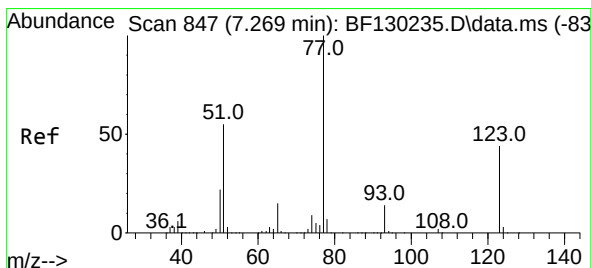
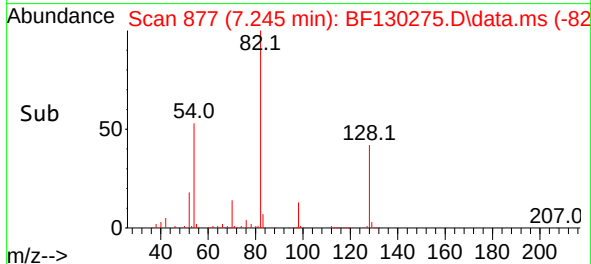
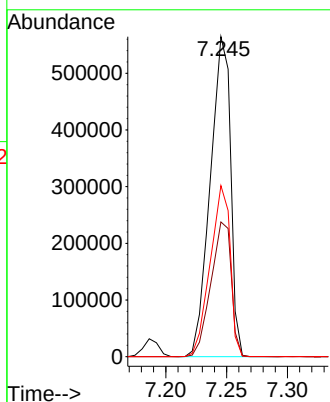
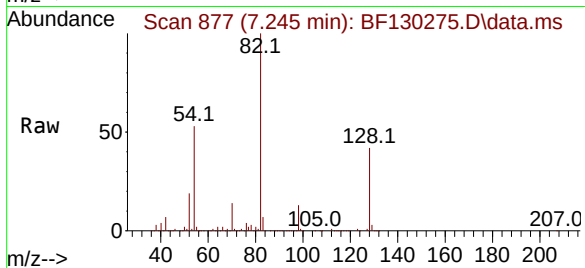
Tgt Ion: 82 Resp: 655599

Ion Ratio Lower Upper

82 100

128 42.1 32.6 49.0

54 53.4 43.8 65.6



#24

Nitrobenzene

Concen: 42.028 ng

RT: 7.263 min Scan# 880

Delta R.T. -0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

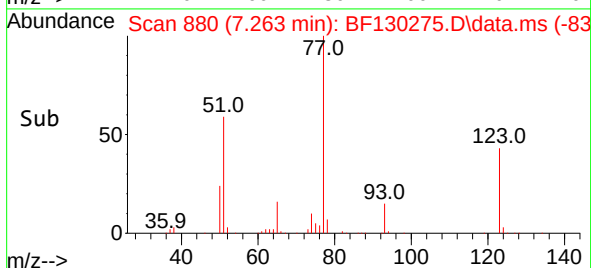
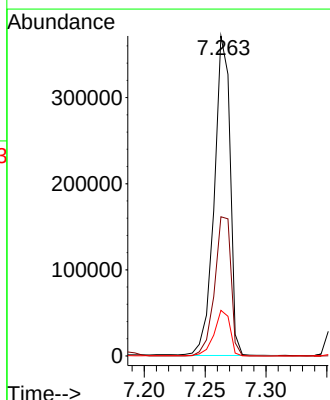
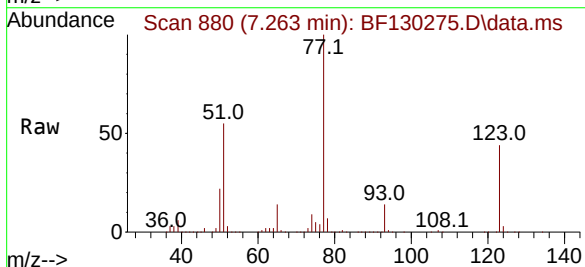
Tgt Ion: 77 Resp: 337586

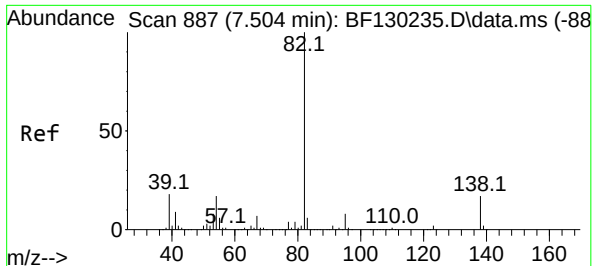
Ion Ratio Lower Upper

77 100

123 43.5 34.3 51.5

65 14.3 12.0 18.0

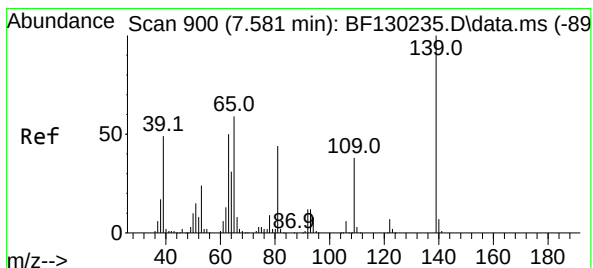
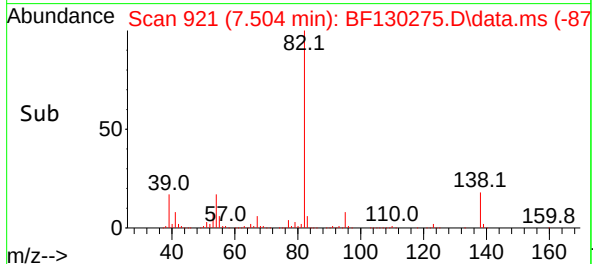
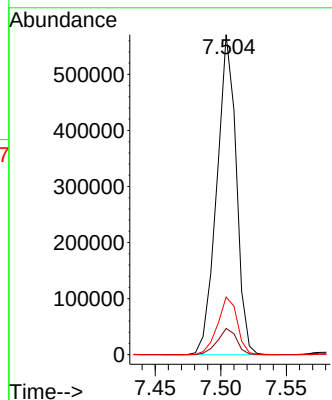
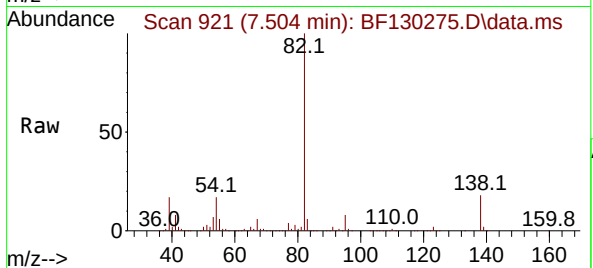




#25
Isophorone
Concen: 46.130 ng
RT: 7.504 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

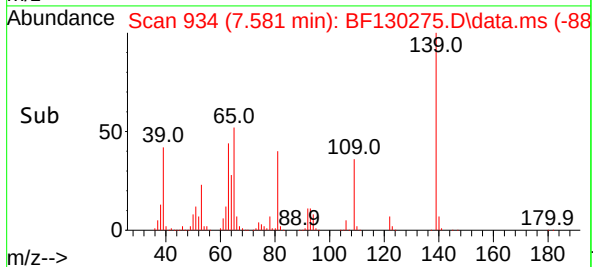
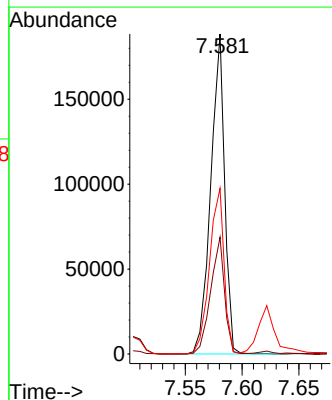
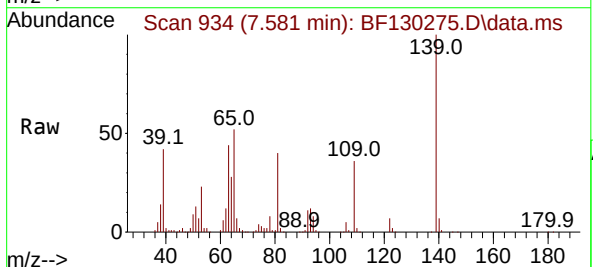
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

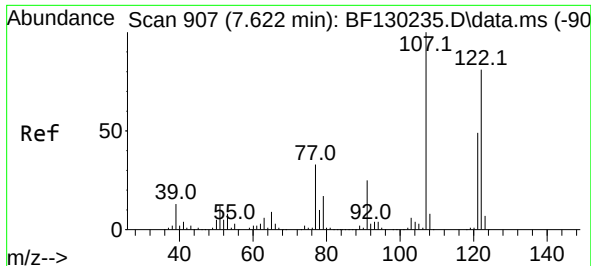
Tgt Ion: 82 Resp: 588162
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.0 13.8 20.6



#26
2-Nitrophenol
Concen: 48.496 ng
RT: 7.581 min Scan# 934
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 139 Resp: 159686
Ion Ratio Lower Upper
139 100
109 36.5 30.2 45.4
65 51.8 48.9 73.3





#27

2,4-Dimethylphenol

Concen: 52.766 ng

RT: 7.622 min Scan# 941

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

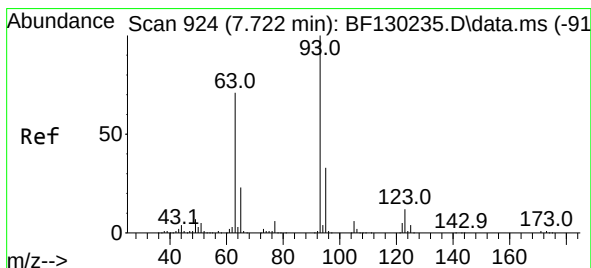
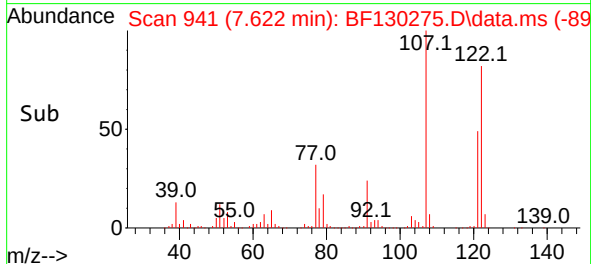
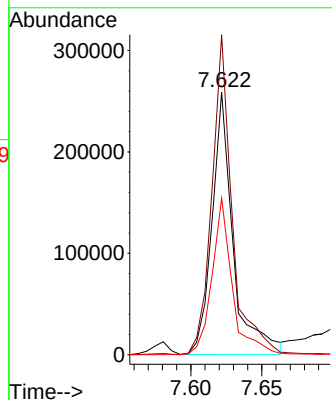
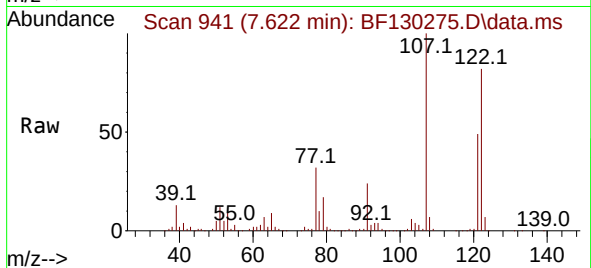
Tgt Ion:122 Resp: 267523

Ion Ratio Lower Upper

122 100

107 121.8 100.2 150.2

121 59.7 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 49.061 ng

RT: 7.722 min Scan# 958

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

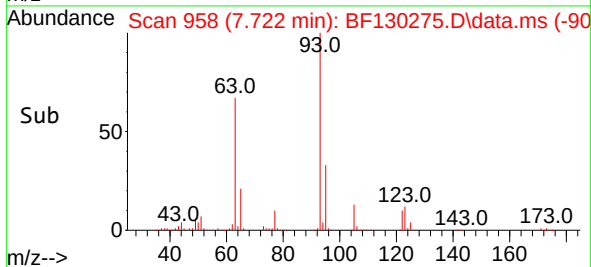
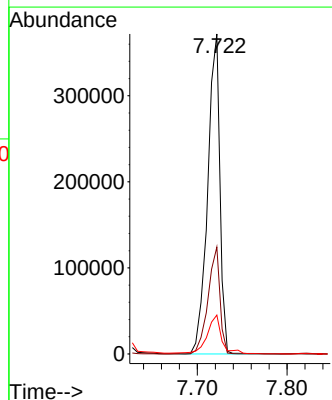
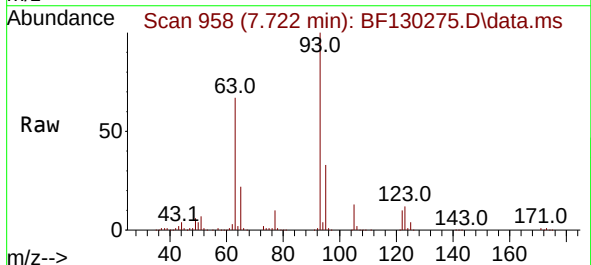
Tgt Ion: 93 Resp: 352225

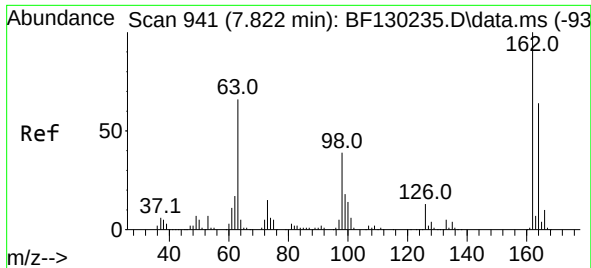
Ion Ratio Lower Upper

93 100

95 33.4 26.3 39.5

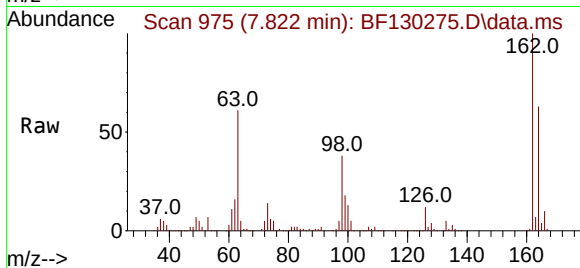
123 12.2 9.4 14.2



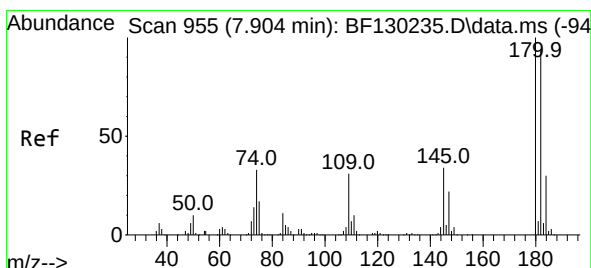
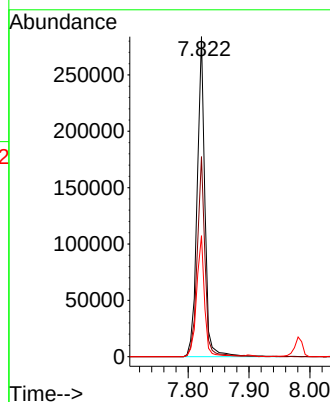
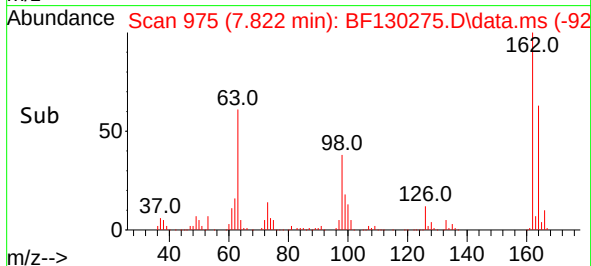


#29
2,4-Dichlorophenol
Concen: 45.209 ng
RT: 7.822 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

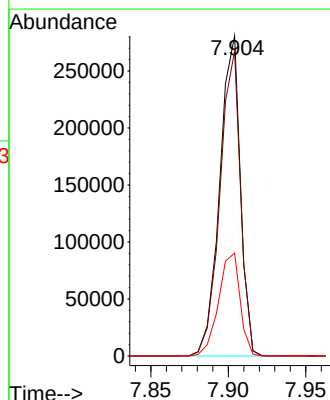
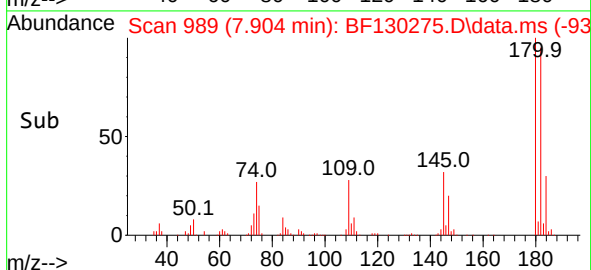
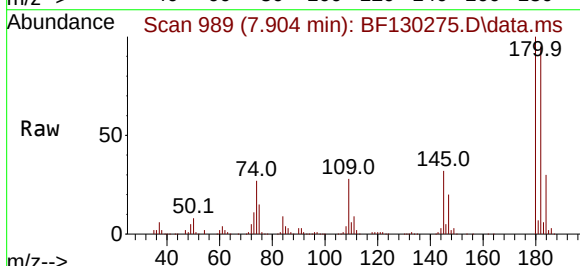


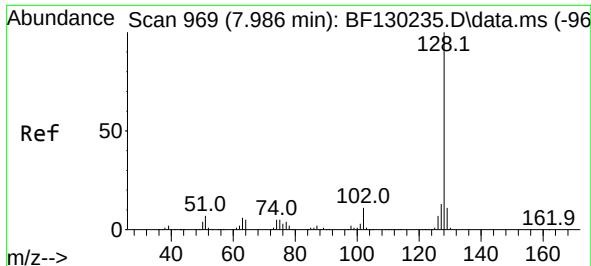
Tgt Ion:162 Resp: 251174
Ion Ratio Lower Upper
162 100
164 62.5 42.2 82.2
98 37.8 21.7 61.7



#30
1,2,4-Trichlorobenzene
Concen: 43.203 ng
RT: 7.904 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:180 Resp: 259509
Ion Ratio Lower Upper
180 100
182 95.3 73.3 109.9
145 32.2 28.3 42.5

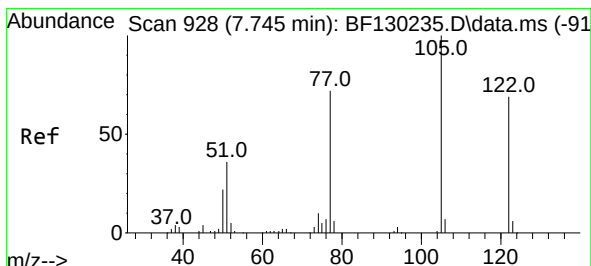
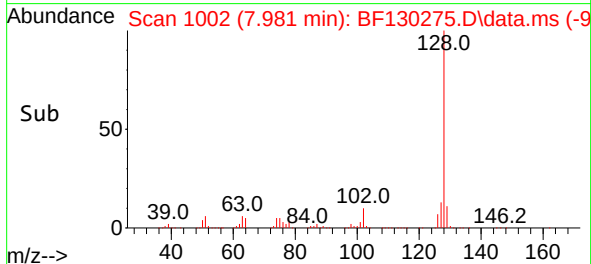
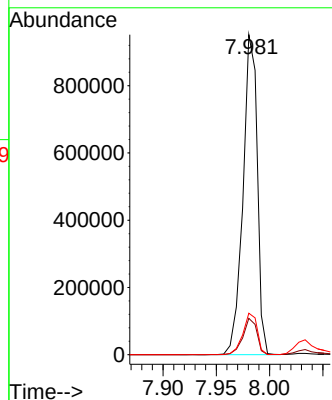
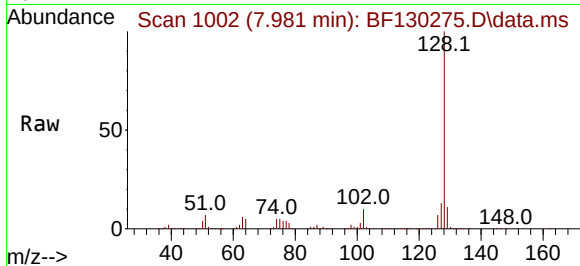




#31
Naphthalene
Concen: 42.856 ng
RT: 7.981 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

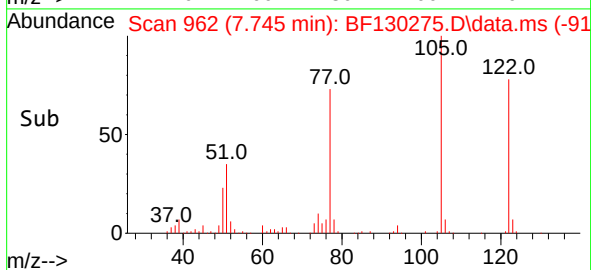
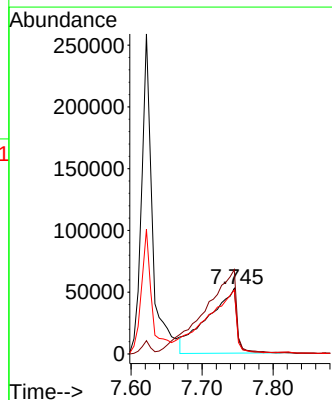
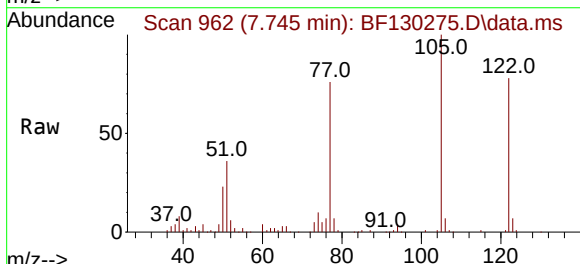
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

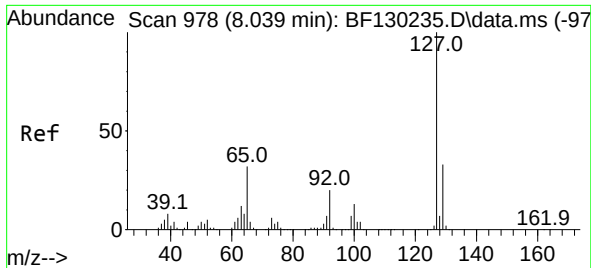
Tgt Ion:128 Resp: 892303
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.0 10.6 16.0



#32
Benzoic acid
Concen: 38.000 ng
RT: 7.745 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:122 Resp: 148987
Ion Ratio Lower Upper
122 100
105 128.9 112.9 152.9
77 97.8 82.8 122.8

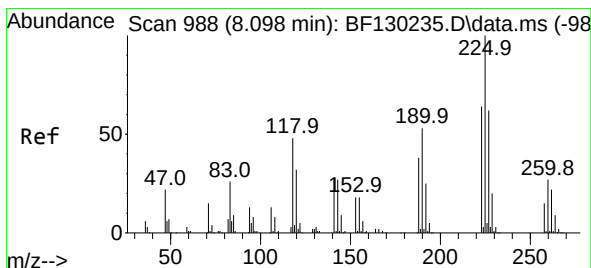
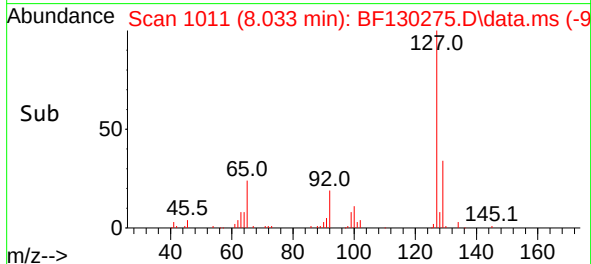
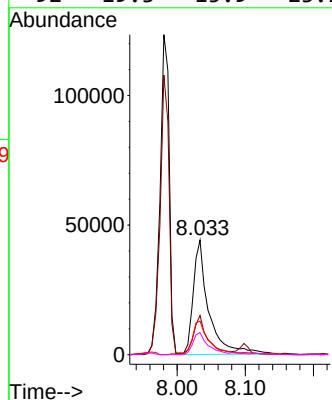
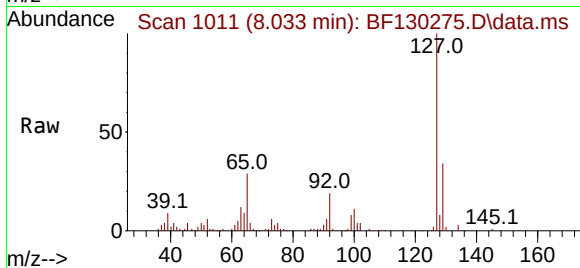




#33
4-Chloroaniline
Concen: 8.764 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

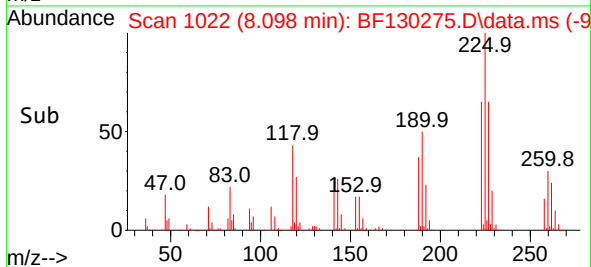
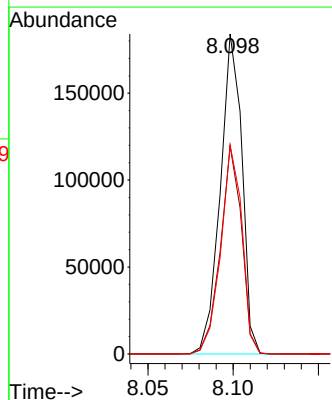
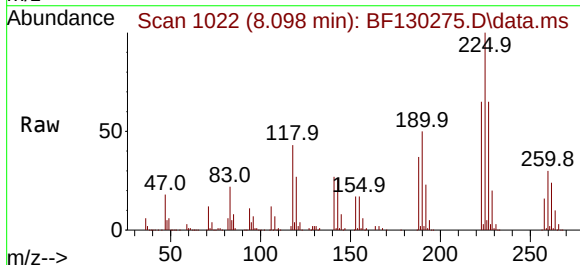
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

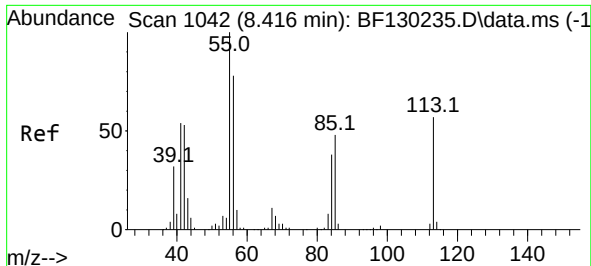
Tgt Ion:	127	Resp:	69402
Ion	Ratio	Lower	Upper
127	100		
129	34.3	25.6	38.4
65	29.3	27.0	40.6
92	19.3	15.9	23.9



#34
Hexachlorobutadiene
Concen: 42.347 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:	225	Resp:	162563
Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.3	75.5
227	65.3	51.1	76.7

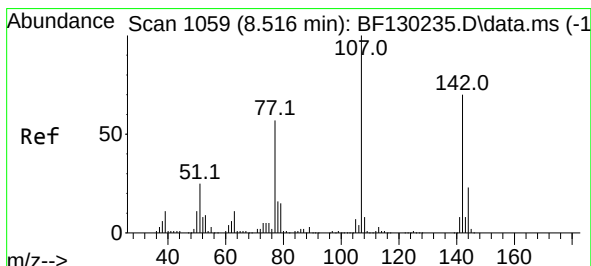
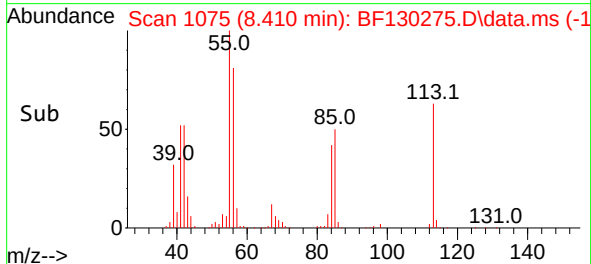
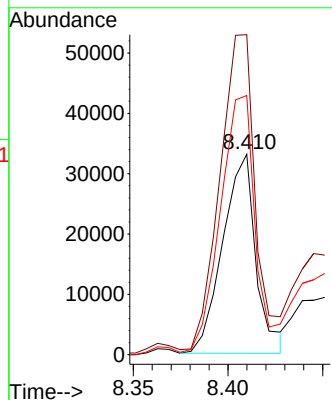
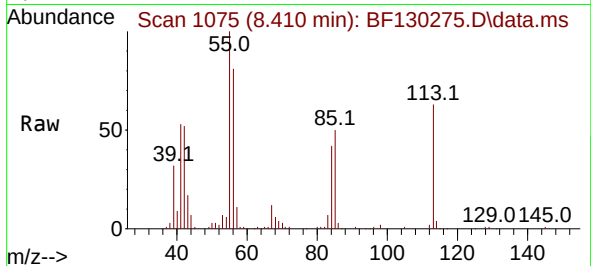




#35
 Caprolactam
 Concen: 25.207 ng
 RT: 8.410 min Scan# 1094
 Delta R.T. -0.006 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

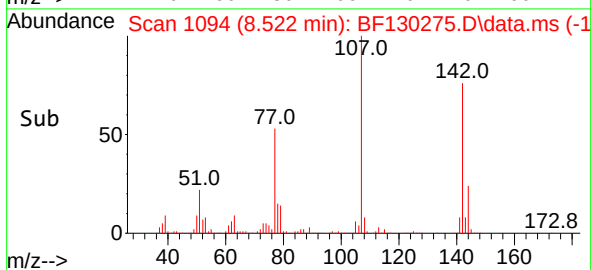
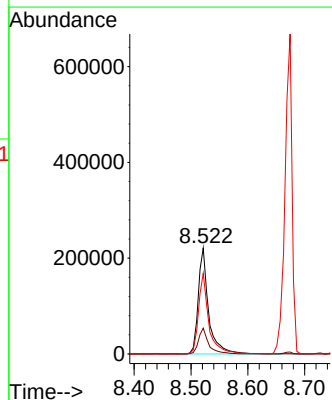
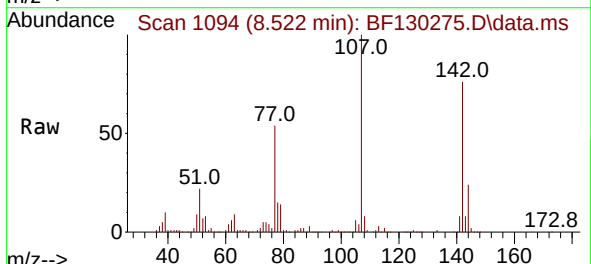
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

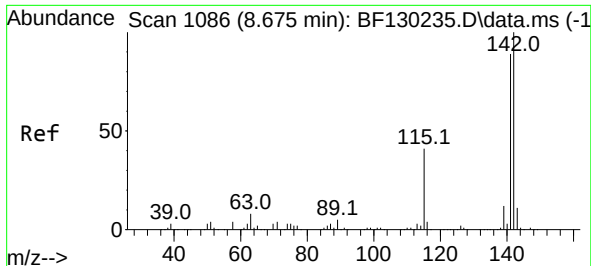
Tgt Ion:113 Resp: 40148
 Ion Ratio Lower Upper
 113 100
 55 159.6 155.4 195.4
 56 129.3 120.4 160.4



#36
 4-Chloro-3-methylphenol
 Concen: 45.721 ng
 RT: 8.522 min Scan# 1094
 Delta R.T. 0.006 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Tgt Ion:107 Resp: 281556
 Ion Ratio Lower Upper
 107 100
 144 24.3 20.0 30.0
 142 76.2 61.3 91.9





#37

2-Methylnaphthalene

Concen: 44.030 ng

RT: 8.675 min Scan# 1136

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

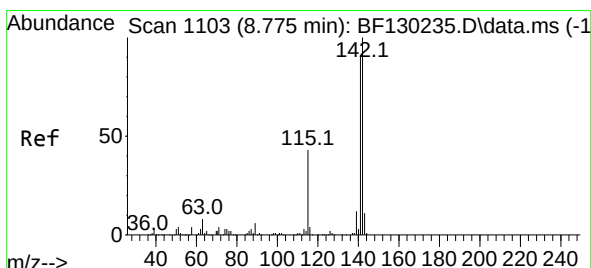
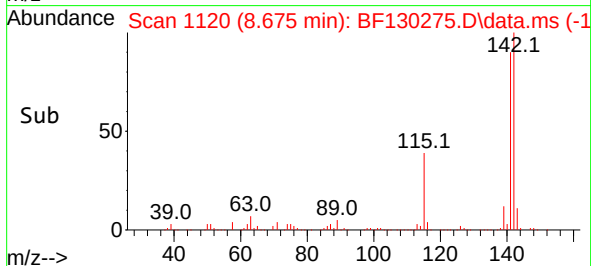
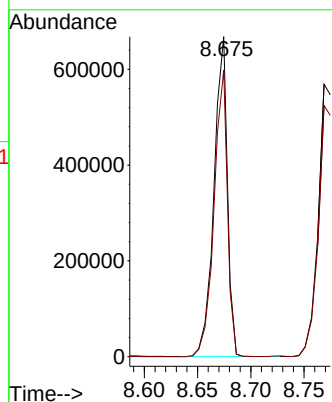
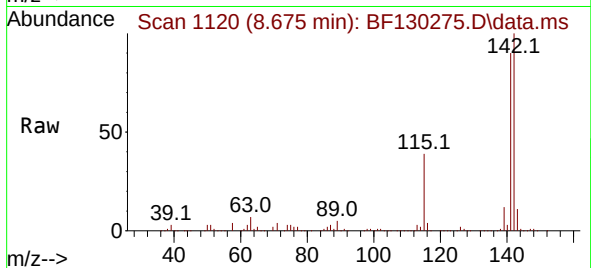
OH-SOIL-0913MSD

Tgt Ion:142 Resp: 584510

Ion Ratio Lower Upper

142 100

141 89.6 70.0 105.0



#38

1-Methylnaphthalene

Concen: 43.178 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF130275.D

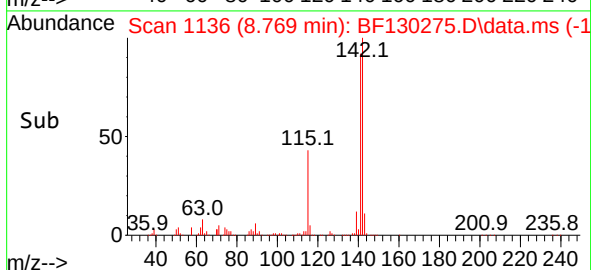
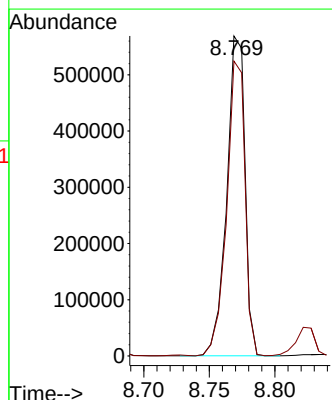
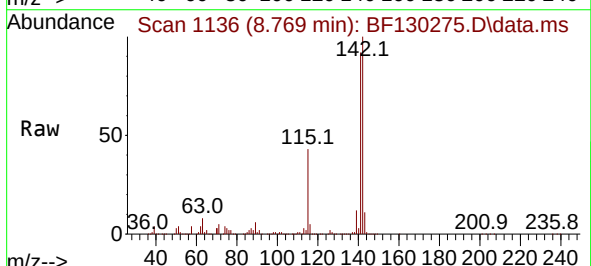
Acq: 15 Sep 2022 17:13

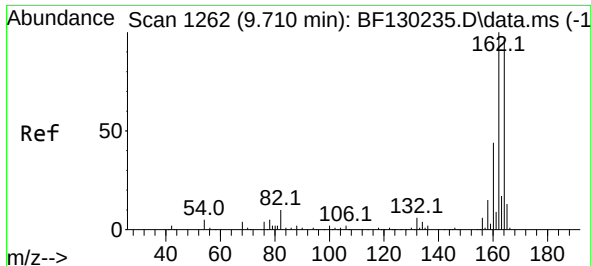
Tgt Ion:142 Resp: 550641

Ion Ratio Lower Upper

142 100

141 92.2 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.710 min Scan# 1148

Delta R.T. -0.000 min

Lab File: BF130275.D

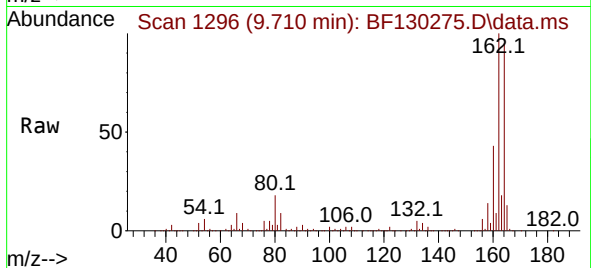
Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD



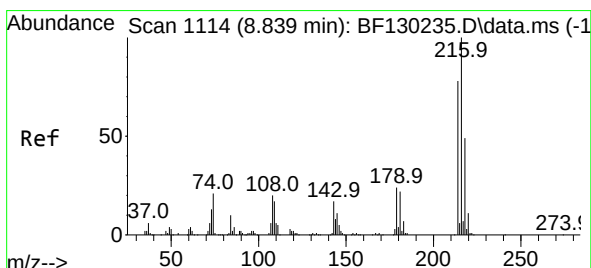
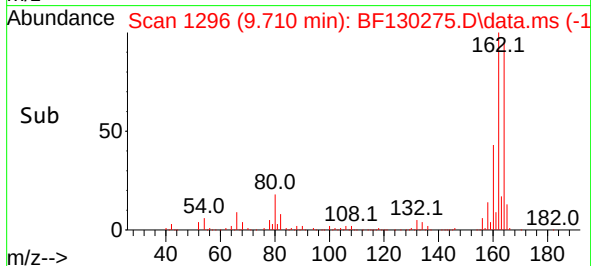
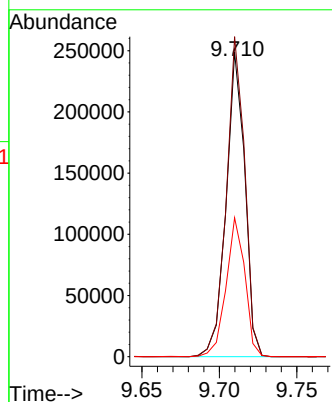
Tgt Ion:164 Resp: 208711

Ion Ratio Lower Upper

164 100

162 105.1 81.4 122.0

160 45.6 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.372 ng

RT: 8.839 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Tgt Ion:216 Resp: 264126

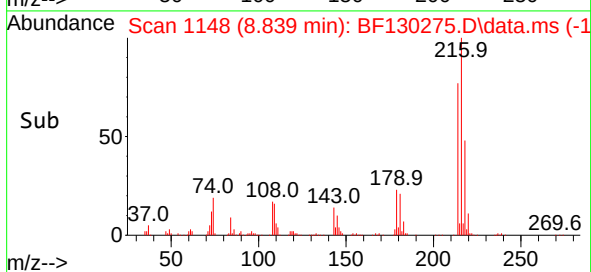
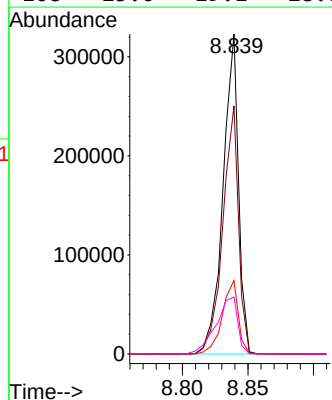
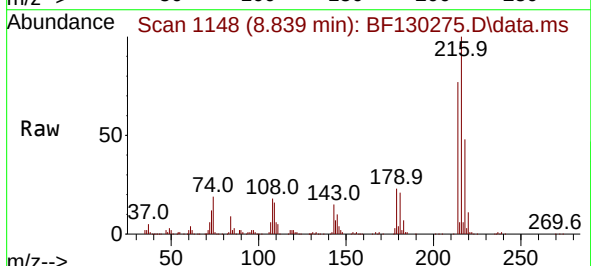
Ion Ratio Lower Upper

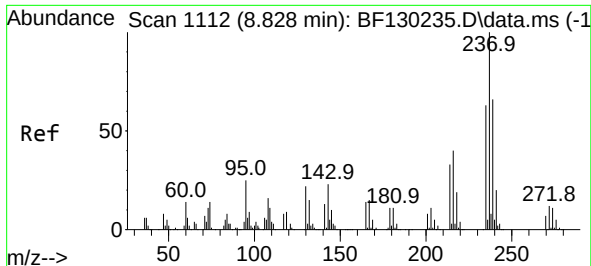
216 100

214 78.6 62.8 94.2

179 23.6 19.5 29.3

108 25.0 19.1 28.7

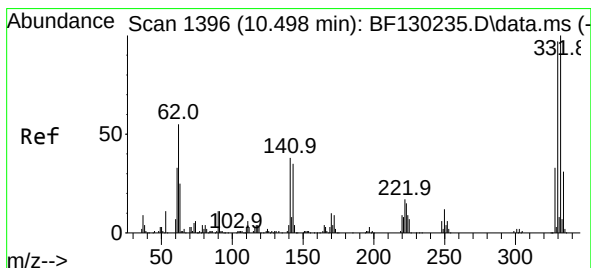
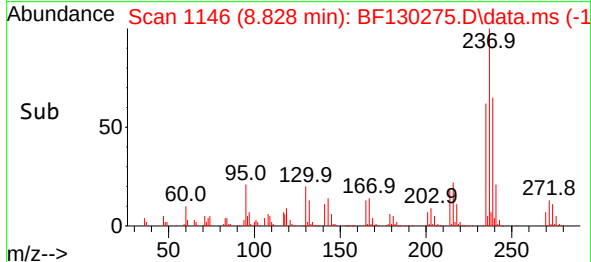
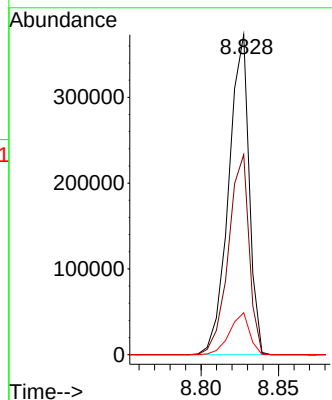
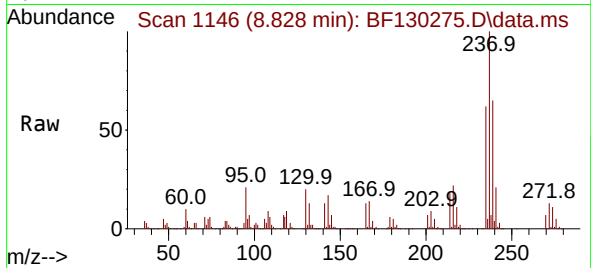




#41
Hexachlorocyclopentadiene
Concen: 112.291 ng
RT: 8.828 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

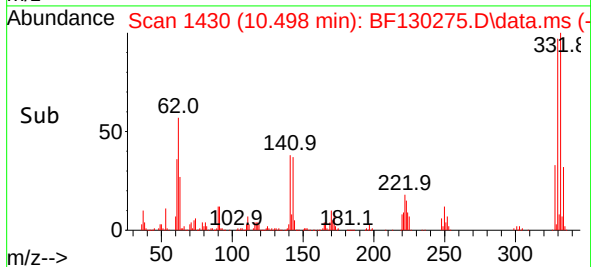
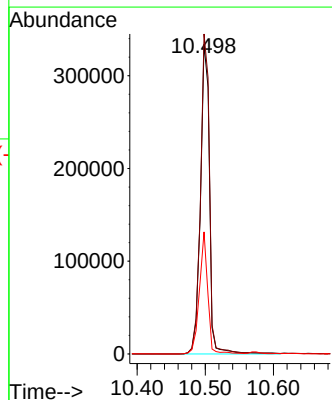
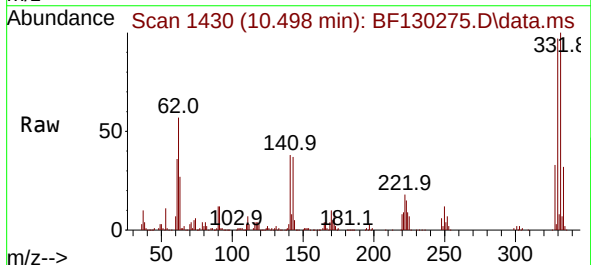
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

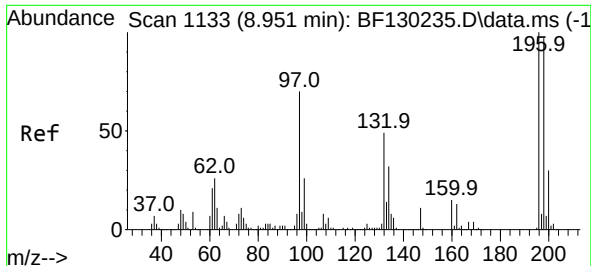
Tgt Ion:237 Resp: 342430
Ion Ratio Lower Upper
237 100
235 62.5 42.5 82.5
272 13.1 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 153.768 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:330 Resp: 307513
Ion Ratio Lower Upper
330 100
332 104.0 83.4 125.2
141 36.6 34.0 51.0

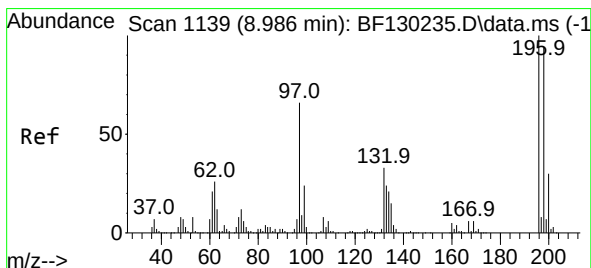
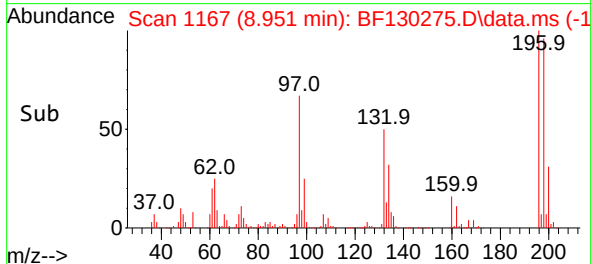
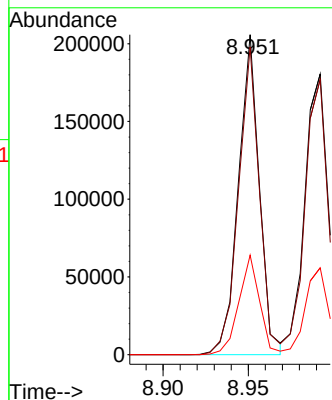
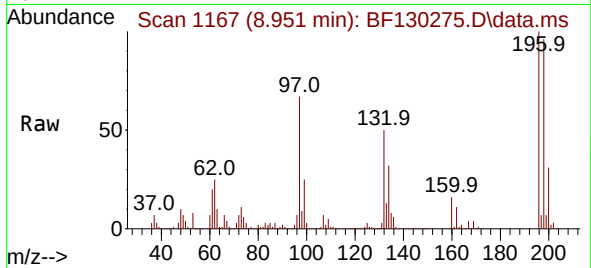




#43
2,4,6-Trichlorophenol
Concen: 44.279 ng
RT: 8.951 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

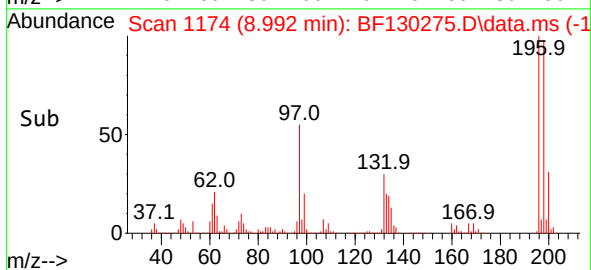
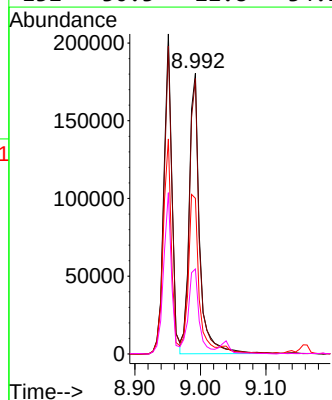
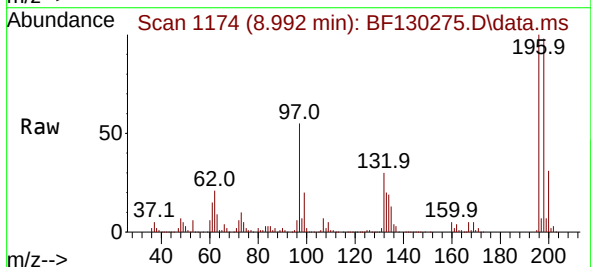
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

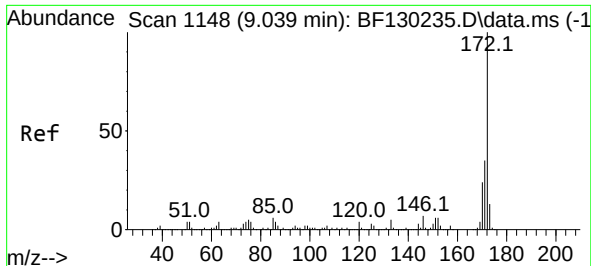
Tgt Ion:196 Resp: 176015
Ion Ratio Lower Upper
196 100
198 96.2 72.4 108.6
200 31.1 23.8 35.6



#44
2,4,5-Trichlorophenol
Concen: 46.410 ng
RT: 8.992 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:196 Resp: 199081
Ion Ratio Lower Upper
196 100
198 98.1 74.8 112.2
97 55.5 43.7 65.5
132 30.3 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 84.239 ng

RT: 9.039 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

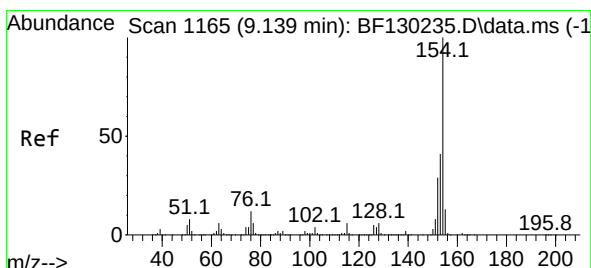
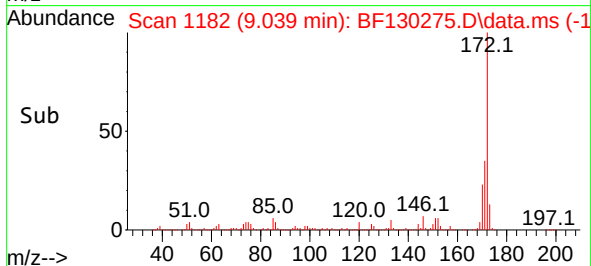
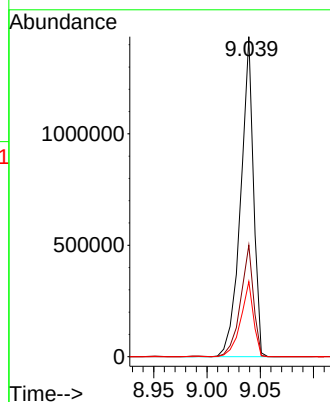
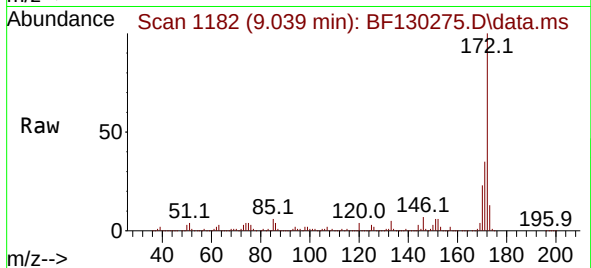
Tgt Ion:172 Resp: 1207367

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 46.000 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

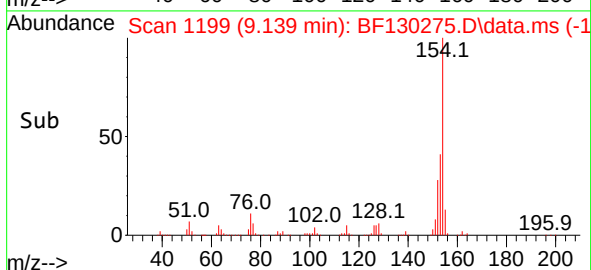
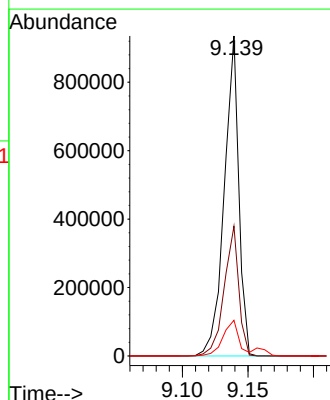
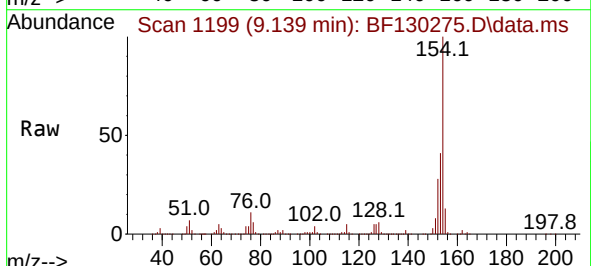
Tgt Ion:154 Resp: 717024

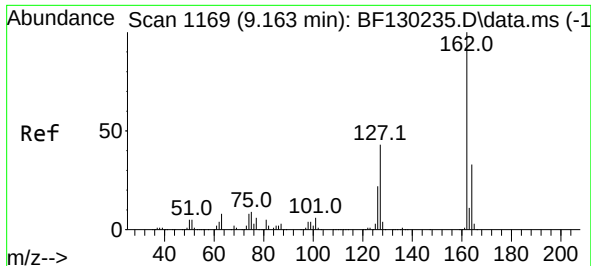
Ion Ratio Lower Upper

154 100

153 40.5 20.0 60.0

76 11.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 44.326 ng

RT: 9.163 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

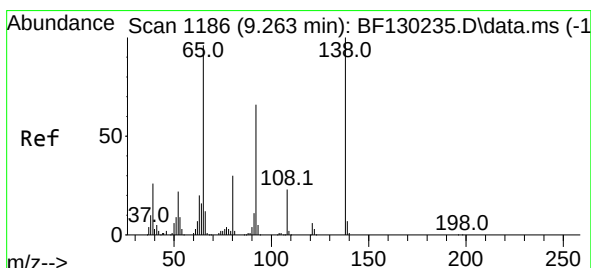
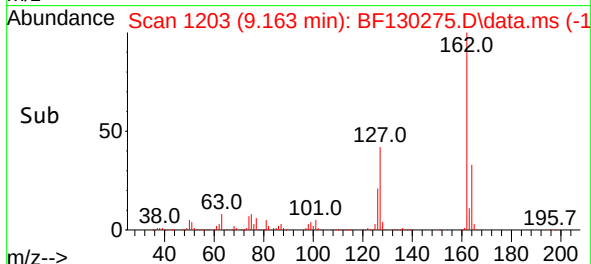
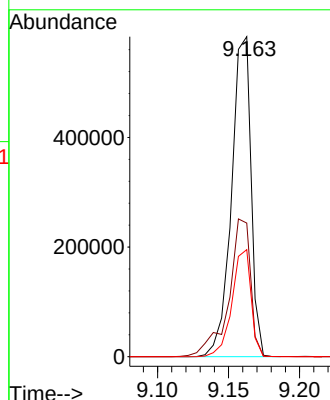
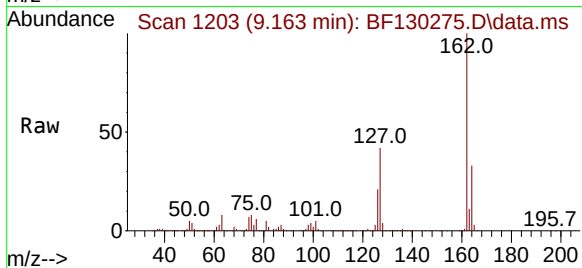
Tgt Ion:162 Resp: 558923

Ion Ratio Lower Upper

162 100

127 41.7 35.9 53.9

164 33.5 26.2 39.2



#48

2-Nitroaniline

Concen: 42.931 ng

RT: 9.263 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

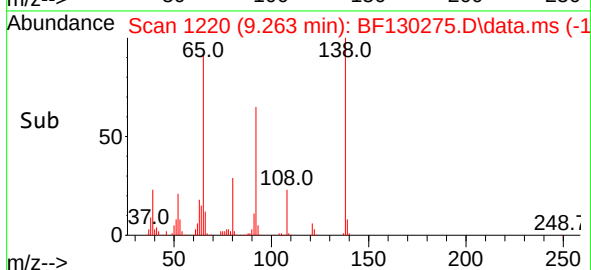
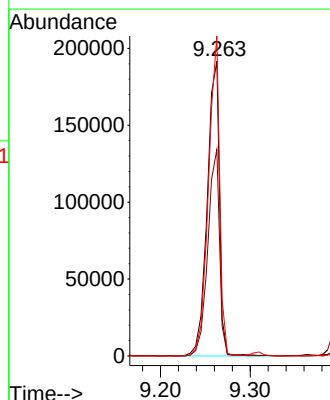
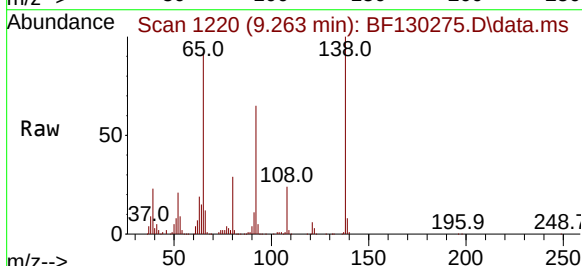
Tgt Ion: 65 Resp: 180549

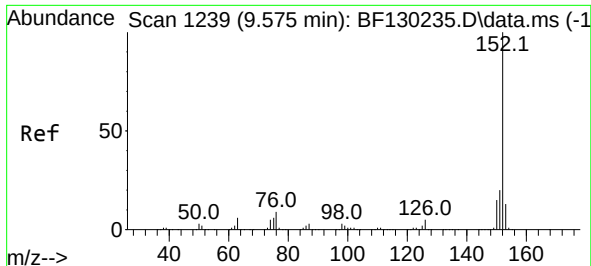
Ion Ratio Lower Upper

65 100

92 70.1 52.2 78.4

138 108.6 77.0 115.4





#49

Acenaphthylene

Concen: 44.008 ng

RT: 9.575 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

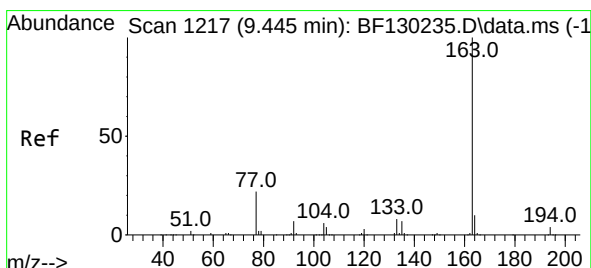
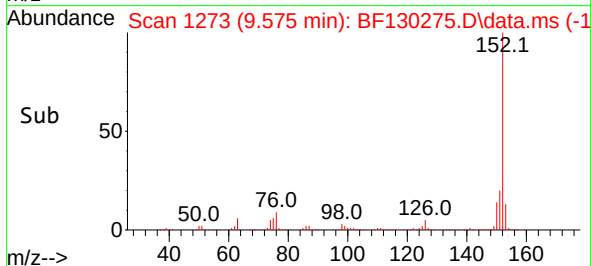
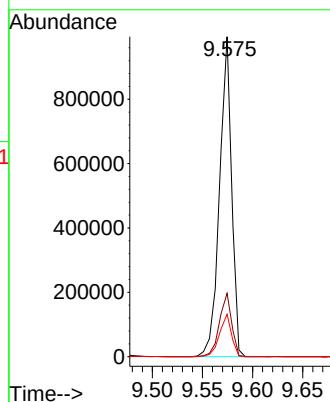
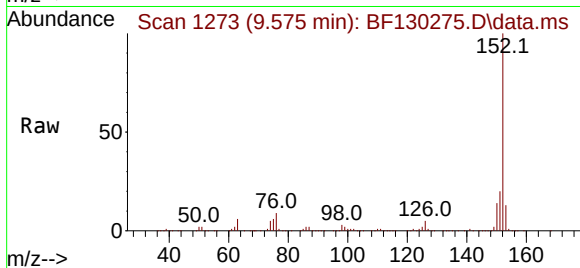
Tgt Ion:152 Resp: 832003

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 45.509 ng

RT: 9.445 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

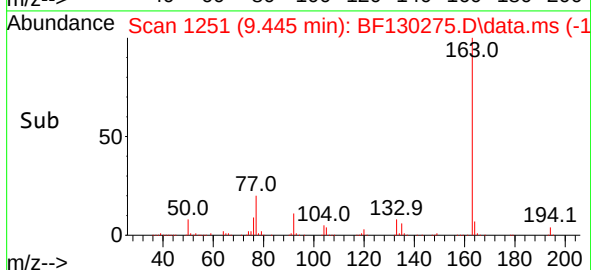
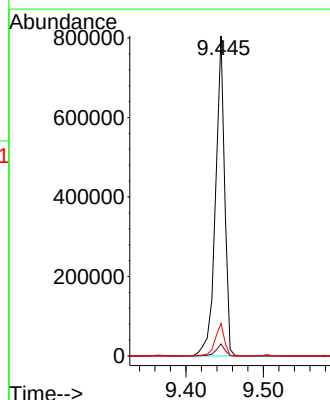
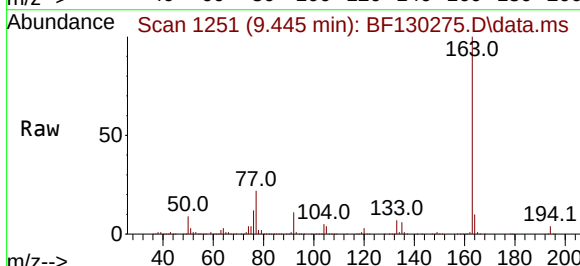
Tgt Ion:163 Resp: 656098

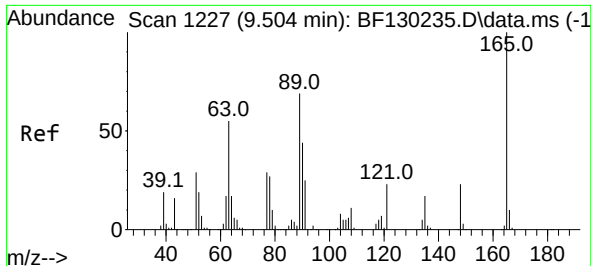
Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 47.722 ng

RT: 9.504 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

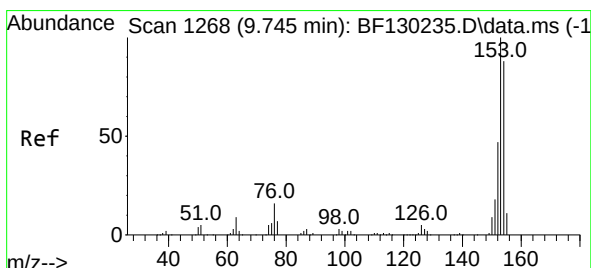
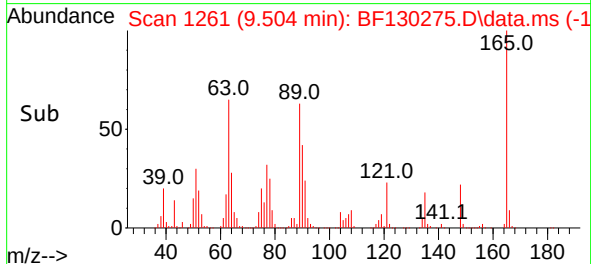
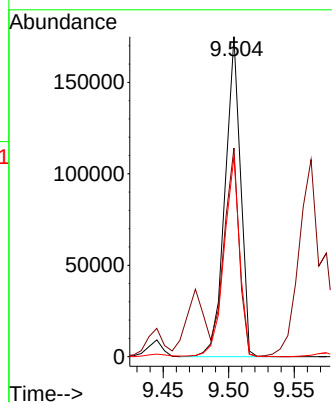
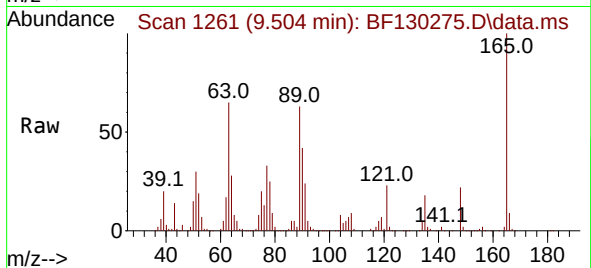
Tgt Ion:165 Resp: 143886

Ion Ratio Lower Upper

165 100

63 65.2 58.8 88.2

89 62.5 54.5 81.7



#52

Acenaphthene

Concen: 40.738 ng

RT: 9.745 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

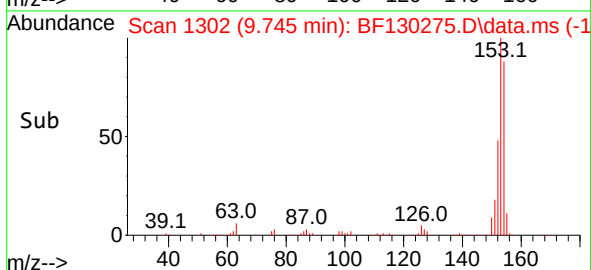
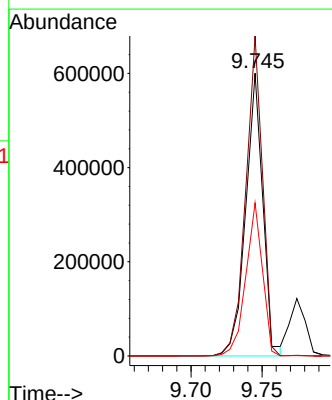
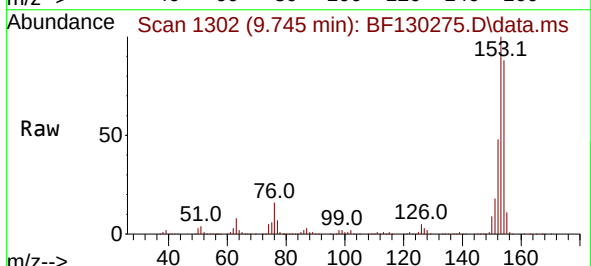
Tgt Ion:154 Resp: 506035

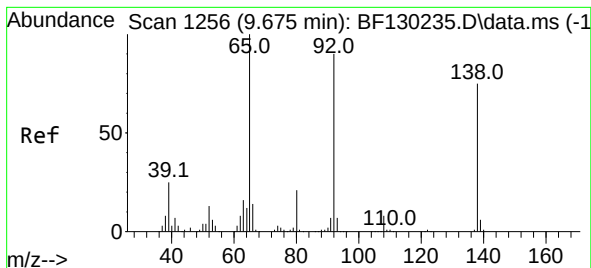
Ion Ratio Lower Upper

154 100

153 113.2 90.6 136.0

152 54.1 43.8 65.6





#53

3-Nitroaniline

Concen: 22.204 ng

RT: 9.669 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

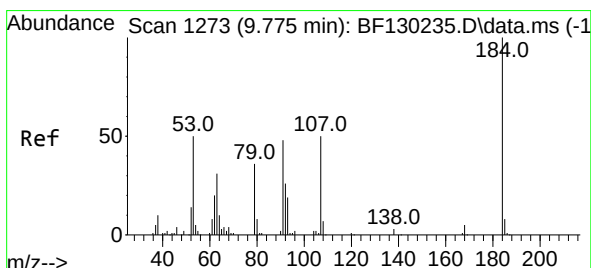
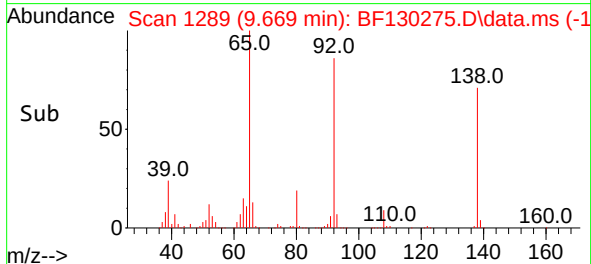
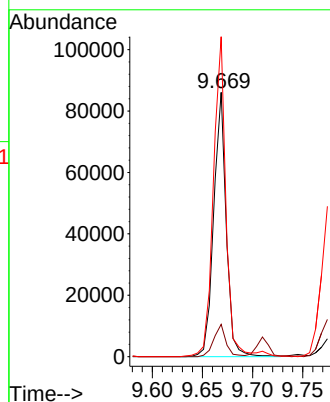
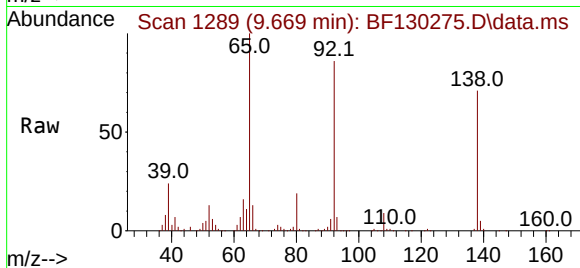
Tgt Ion:138 Resp: 74599

Ion Ratio Lower Upper

138 100

108 12.2 9.2 13.8

92 121.1 99.2 148.8



#54

2,4-Dinitrophenol

Concen: 83.460 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

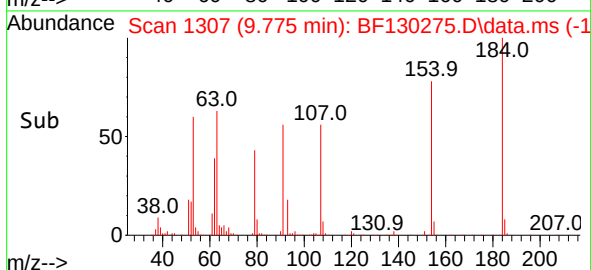
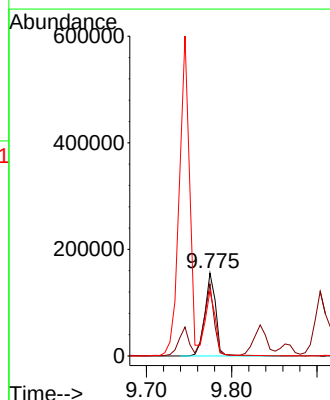
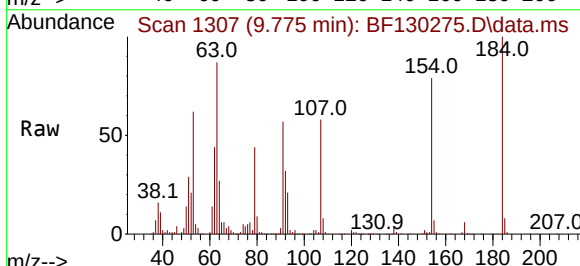
Tgt Ion:184 Resp: 136987

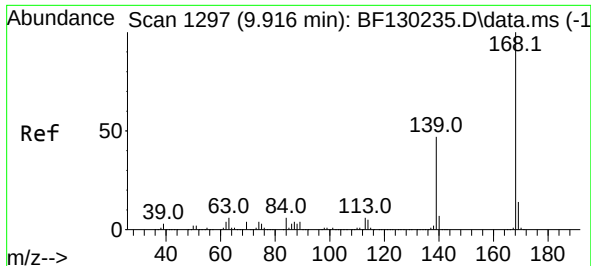
Ion Ratio Lower Upper

184 100

63 86.9 70.0 105.0

154 78.5 63.0 94.6

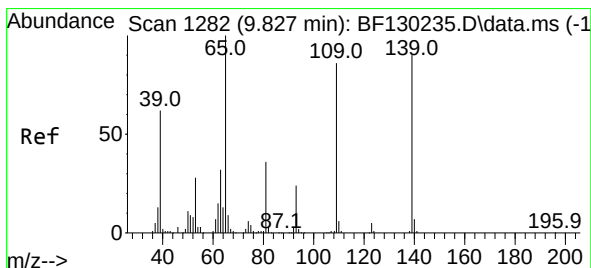
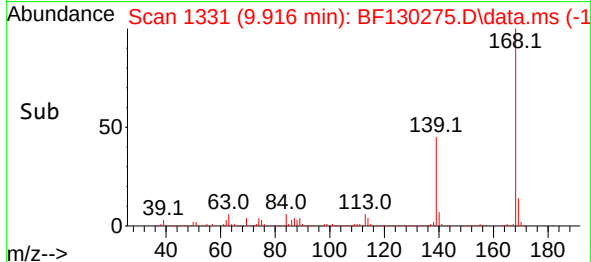
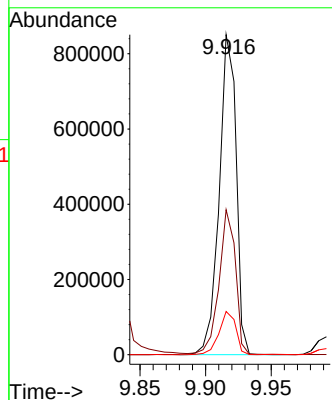
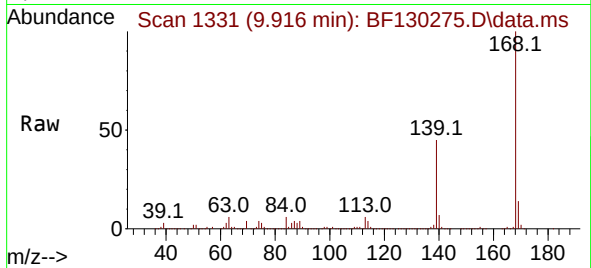




#55
Dibenzofuran
Concen: 44.170 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

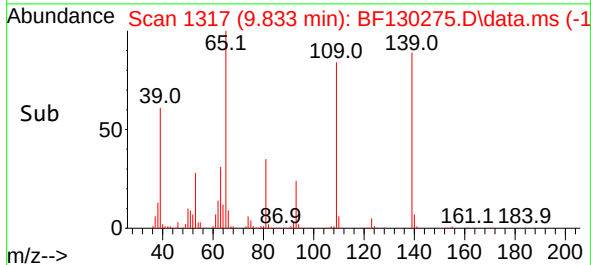
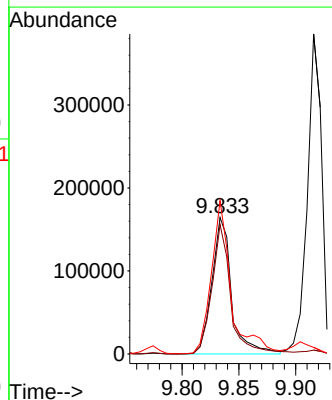
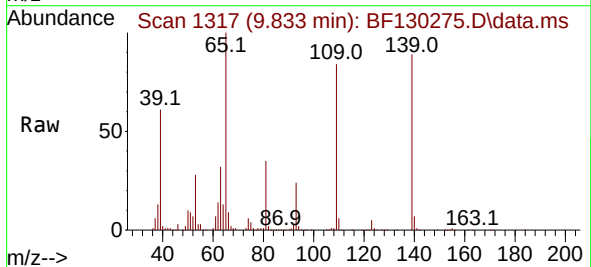
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

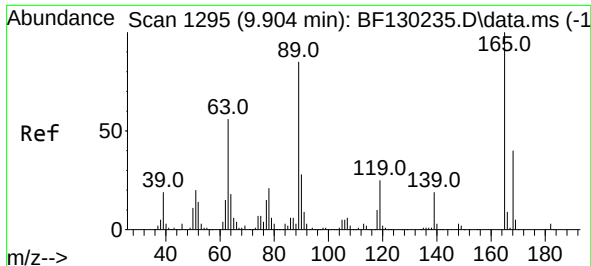
Tgt Ion:168 Resp: 763148
Ion Ratio Lower Upper
168 100
139 45.3 35.0 52.4
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 81.093 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

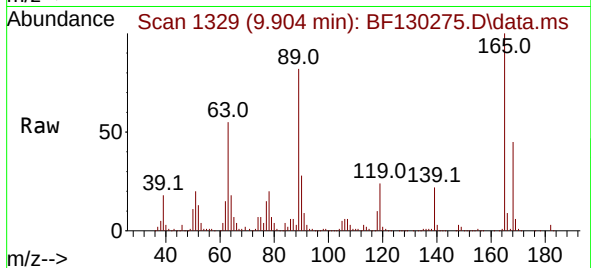
Tgt Ion:139 Resp: 198437
Ion Ratio Lower Upper
139 100
109 94.9 72.2 112.2
65 112.4 97.7 137.7



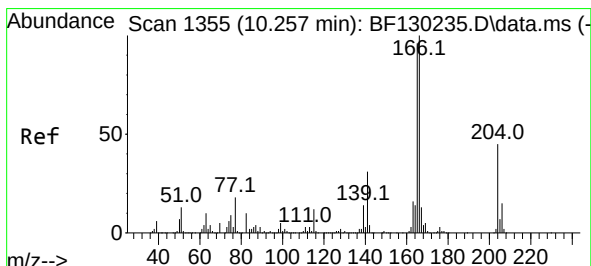
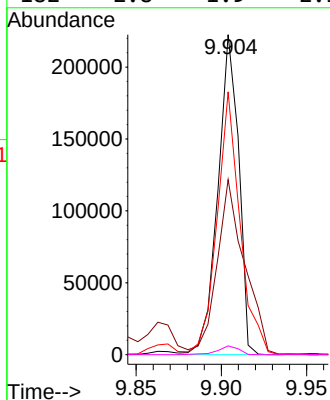
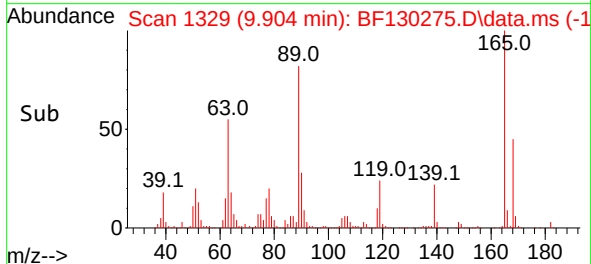


#57
2,4-Dinitrotoluene
Concen: 49.090 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

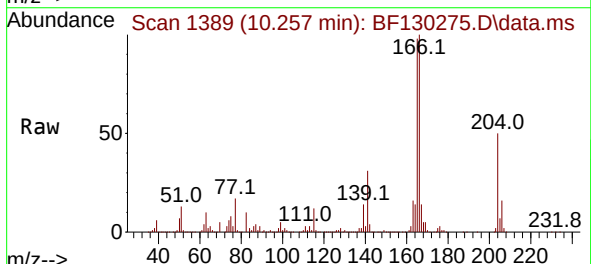
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD



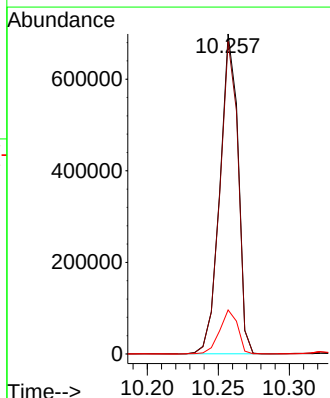
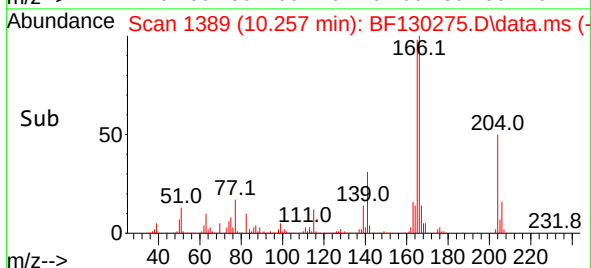
Tgt Ion:165 Resp: 189163
Ion Ratio Lower Upper
165 100
63 54.7 44.7 67.1
89 82.2 69.0 103.4
182 2.8 1.9 2.9

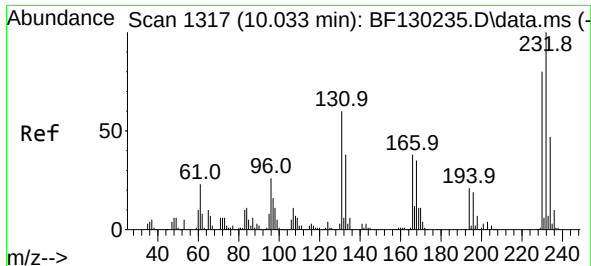


#58
Fluorene
Concen: 43.998 ng
RT: 10.257 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



Tgt Ion:166 Resp: 621689
Ion Ratio Lower Upper
166 100
165 97.7 78.8 118.2
167 13.7 10.6 15.8

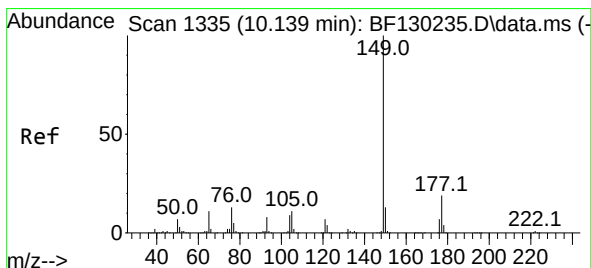
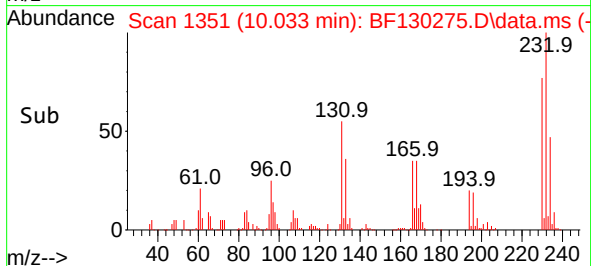
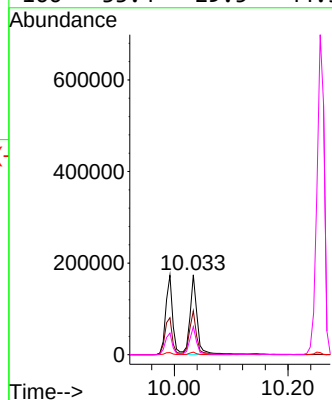
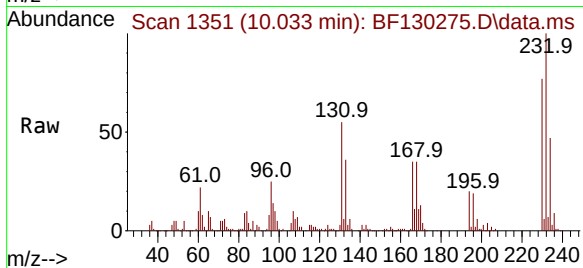




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.493 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

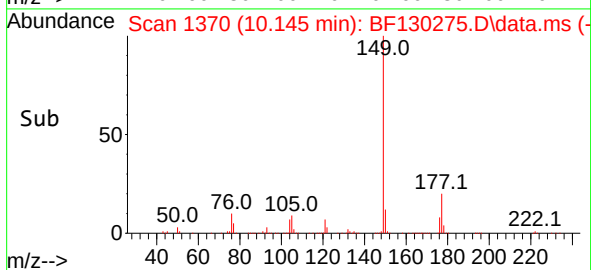
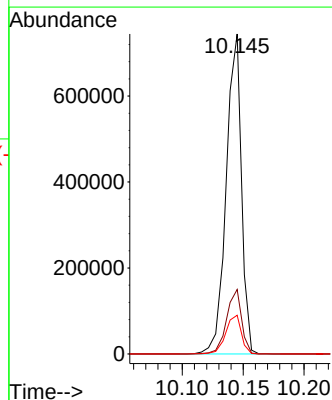
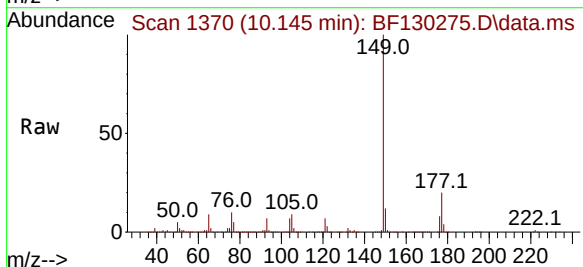
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

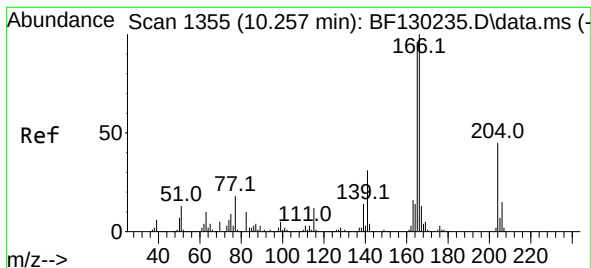
Tgt Ion:232 Resp: 152746
Ion Ratio Lower Upper
232 100
131 55.2 46.4 69.6
130 3.1 2.3 3.5
166 33.4 29.5 44.3



#60
Diethylphthalate
Concen: 44.947 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:149 Resp: 649819
Ion Ratio Lower Upper
149 100
177 20.2 16.1 24.1
150 12.1 9.9 14.9

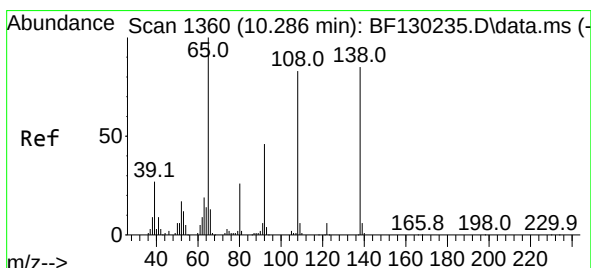
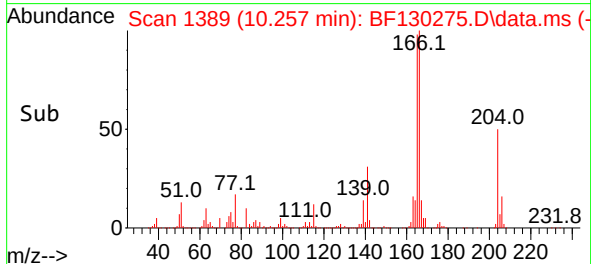
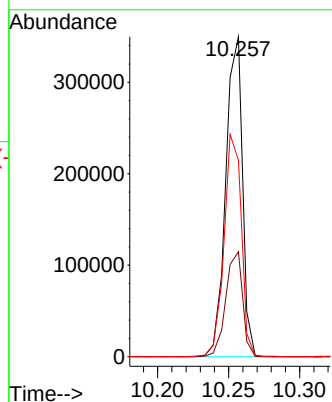
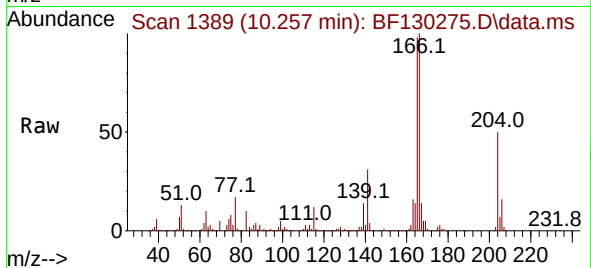




#61
4-Chlorophenyl-phenylether
Concen: 46.154 ng
RT: 10.257 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

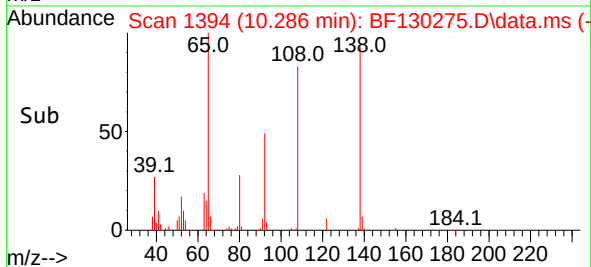
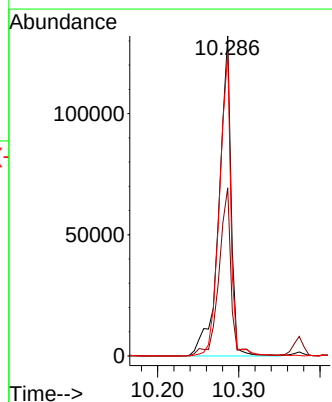
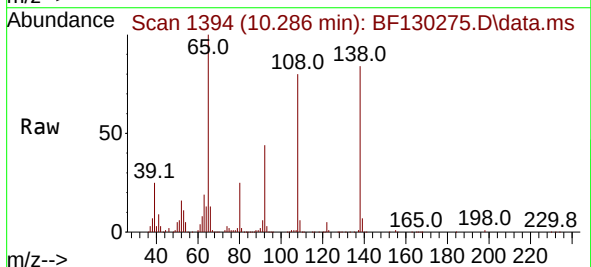
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

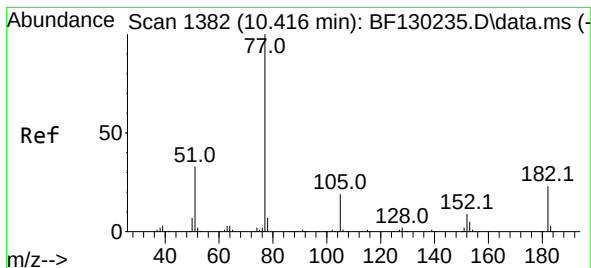
Tgt Ion:204 Resp: 286085
Ion Ratio Lower Upper
204 100
206 32.8 26.6 39.8
141 61.5 57.1 85.7



#62
4-Nitroaniline
Concen: 40.482 ng
RT: 10.286 min Scan# 1394
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:138 Resp: 136631
Ion Ratio Lower Upper
138 100
92 52.6 36.7 76.7
108 94.8 78.2 118.2





#63

Azobenzene

Concen: 41.533 ng

RT: 10.416 min Scan# 1416

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

Tgt Ion: 77 Resp: 618301

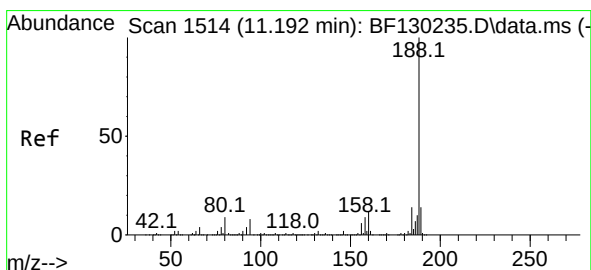
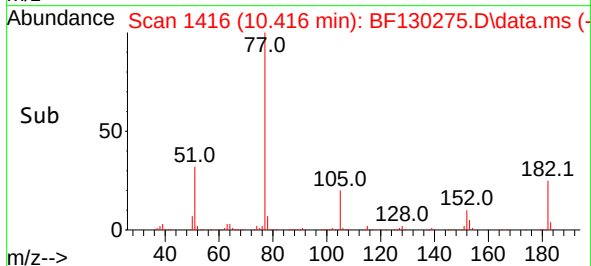
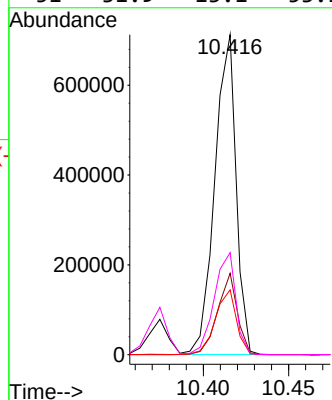
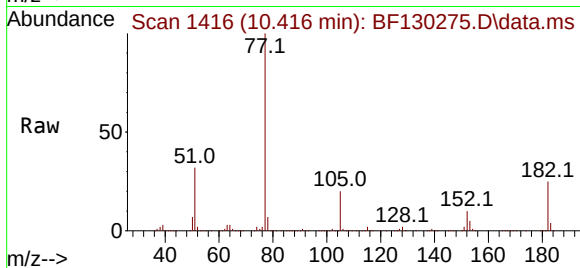
Ion Ratio Lower Upper

77 100

182 25.4 2.1 42.1

105 20.2 0.0 39.4

51 31.9 13.1 53.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.192 min Scan# 1548

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

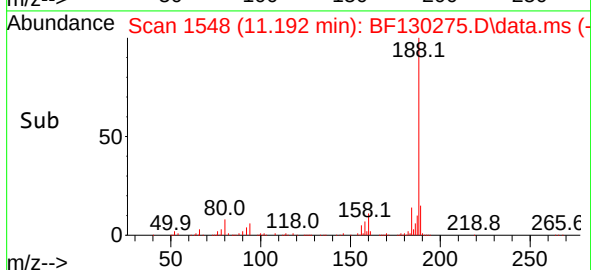
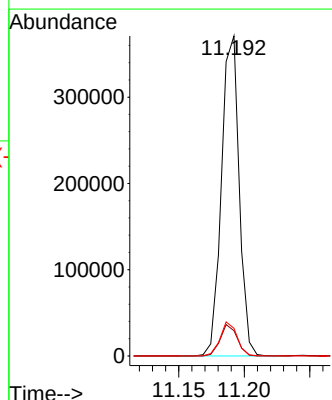
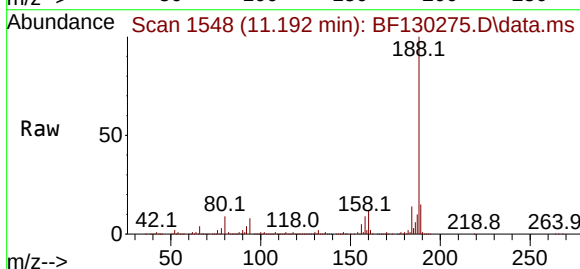
Tgt Ion:188 Resp: 347822

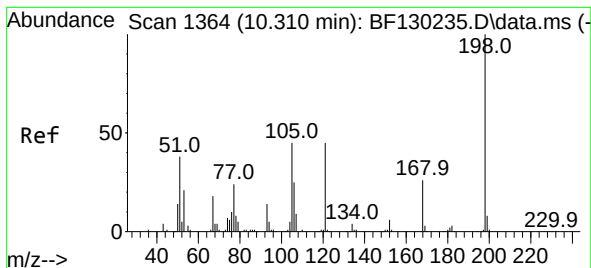
Ion Ratio Lower Upper

188 100

94 7.9 7.4 11.2

80 8.7 7.9 11.9

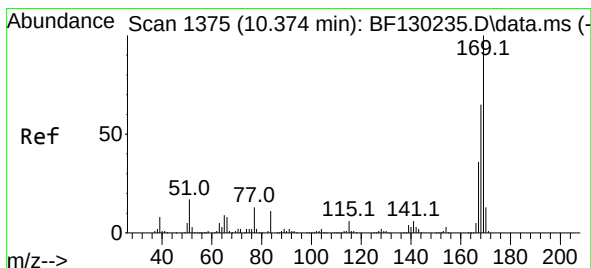
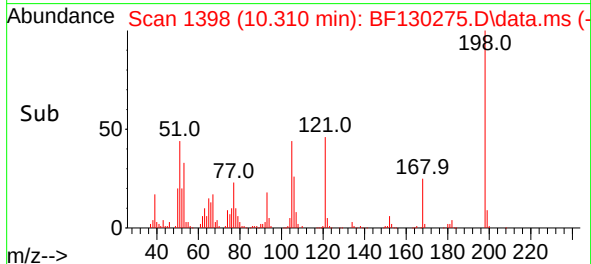
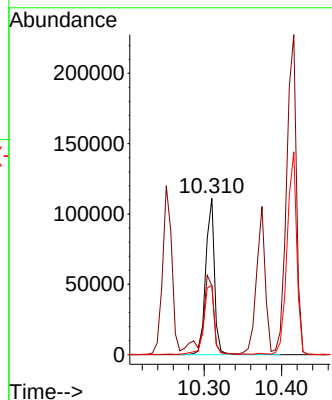
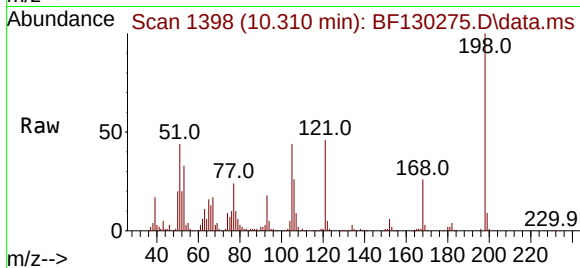




#65
4,6-Dinitro-2-methylphenol
Concen: 44.988 ng
RT: 10.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

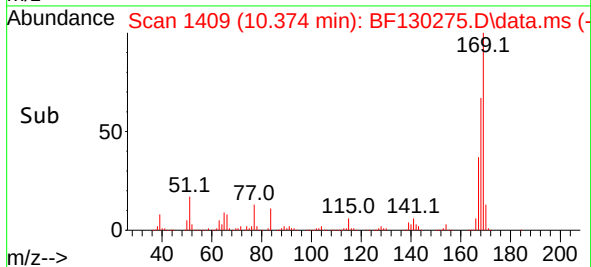
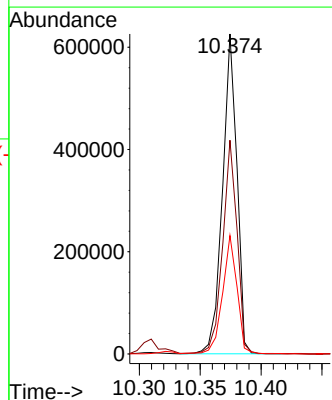
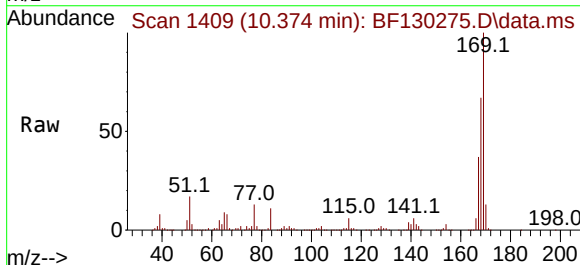
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

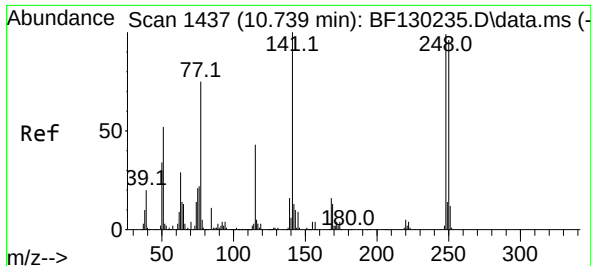
Tgt Ion:198 Resp: 87107
Ion Ratio Lower Upper
198 100
51 44.0 36.9 76.9
105 44.4 33.0 73.0



#66
n-Nitrosodiphenylamine
Concen: 44.400 ng
RT: 10.374 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:169 Resp: 516071
Ion Ratio Lower Upper
169 100
168 66.8 53.2 79.8
167 37.0 29.2 43.8

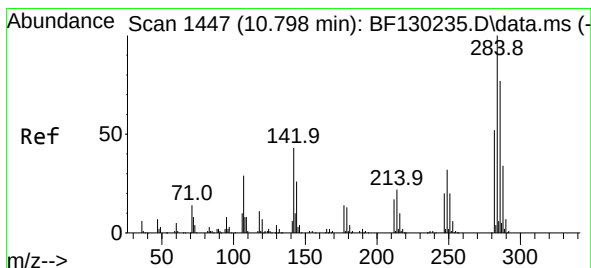
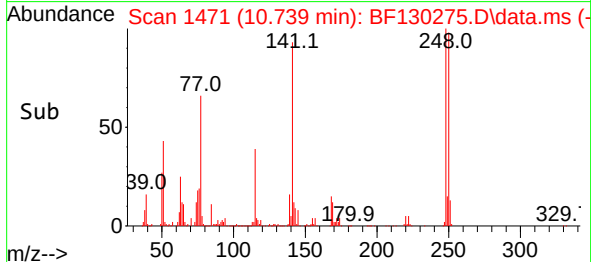
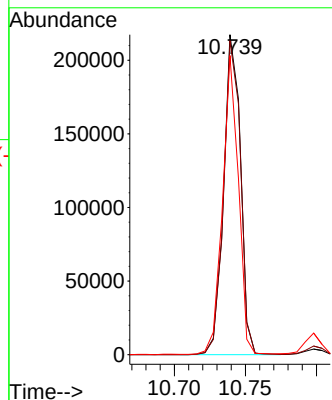
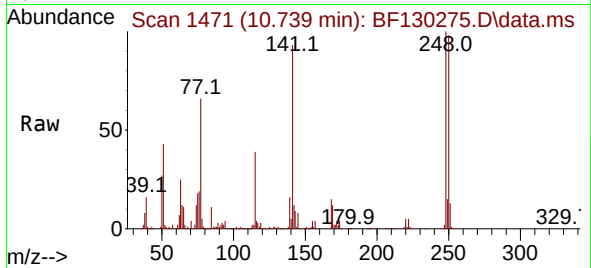




#67
4-Bromophenyl-phenylether
Concen: 46.556 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

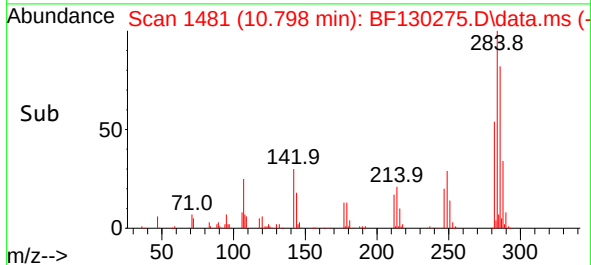
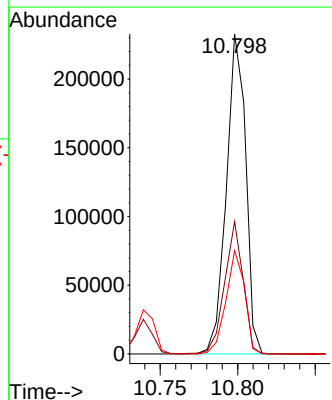
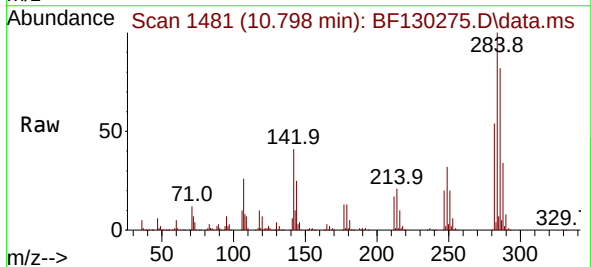
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

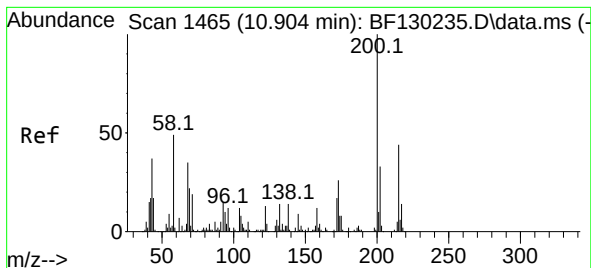
Tgt Ion:248 Resp: 178638
Ion Ratio Lower Upper
248 100
250 98.2 80.0 120.0
141 93.5 68.5 102.7



#68
Hexachlorobenzene
Concen: 46.436 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:284 Resp: 201974
Ion Ratio Lower Upper
284 100
142 41.4 27.2 40.8#
249 32.3 23.8 35.8





#69

Atrazine

Concen: 49.410 ng

RT: 10.904 min Scan# 1465

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

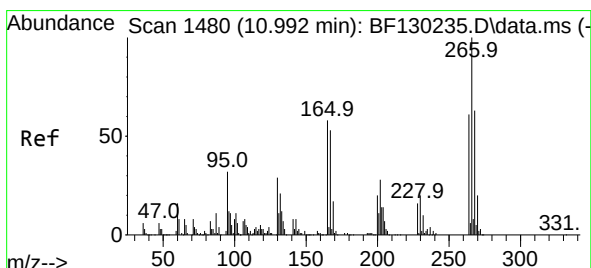
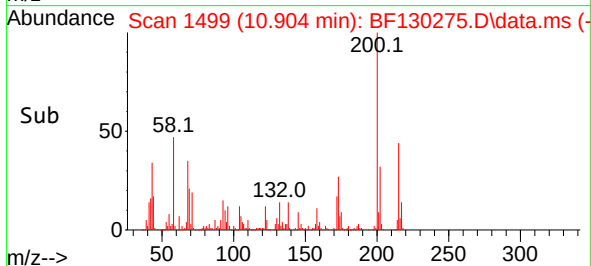
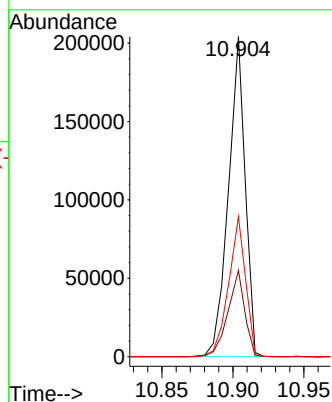
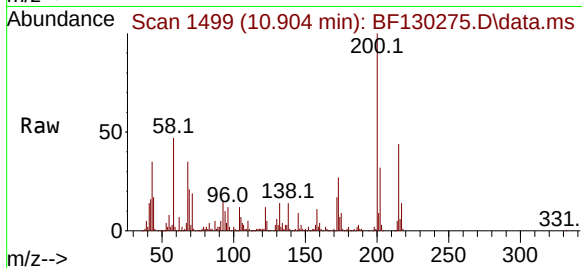
Tgt Ion:200 Resp: 167831

Ion Ratio Lower Upper

200 100

173 27.0 6.2 46.2

215 43.8 22.5 62.5



#70

Pentachlorophenol

Concen: 91.911 ng

RT: 10.998 min Scan# 1515

Delta R.T. 0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

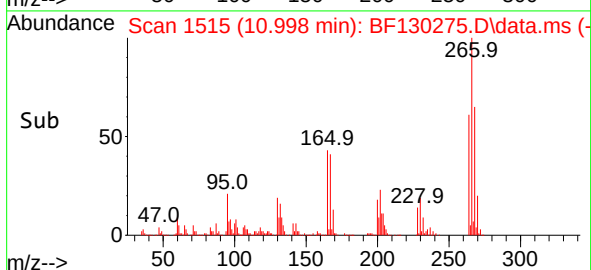
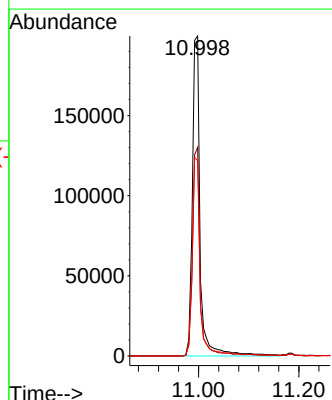
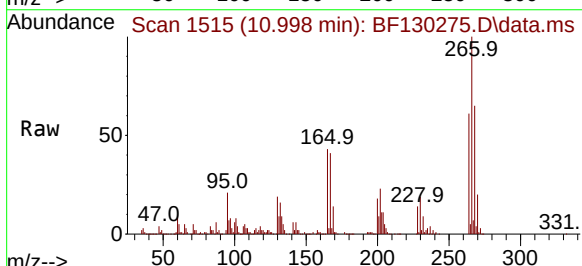
Tgt Ion:266 Resp: 214552

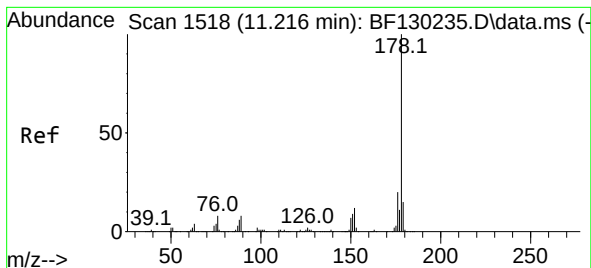
Ion Ratio Lower Upper

266 100

268 65.2 50.5 75.7

264 61.0 50.5 75.7





#71

Phenanthrene

Concen: 43.125 ng

RT: 11.216 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

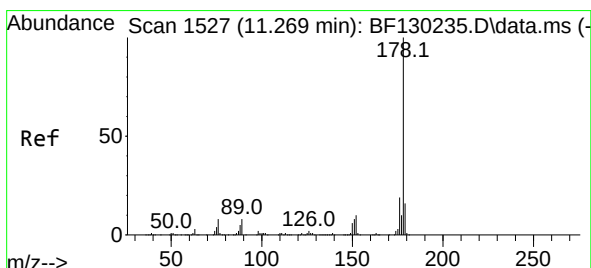
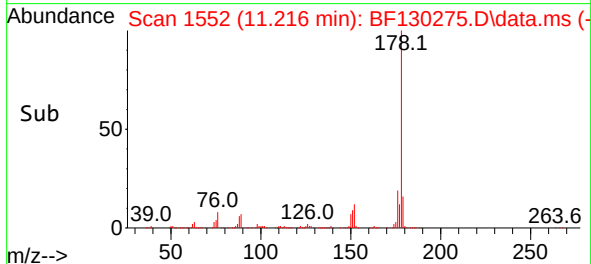
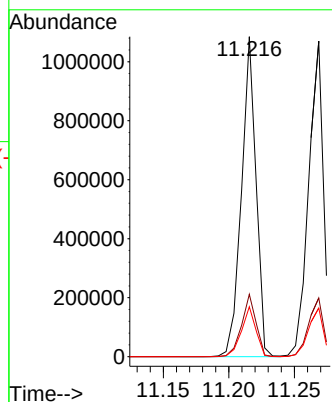
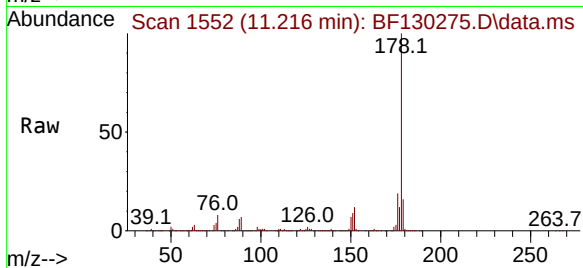
Tgt Ion:178 Resp: 842154

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.6 12.4 18.6



#72

Anthracene

Concen: 44.802 ng

RT: 11.269 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

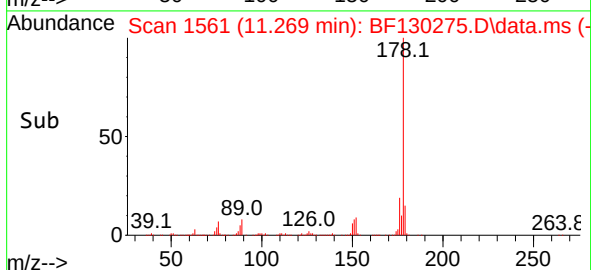
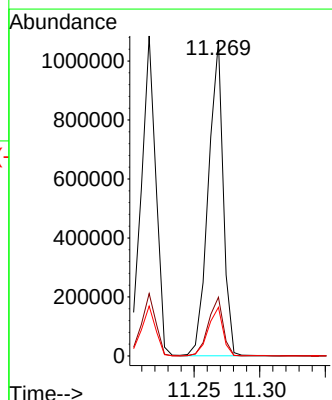
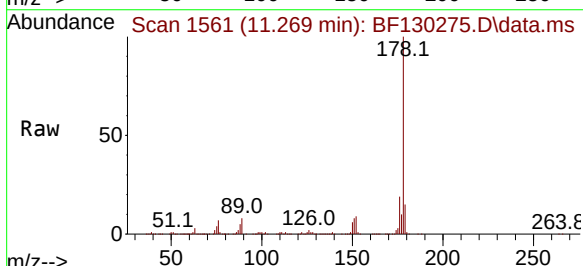
Tgt Ion:178 Resp: 844291

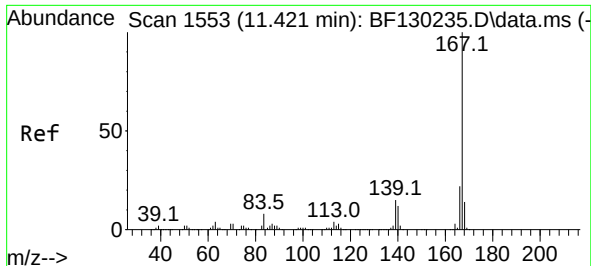
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.4 12.7 19.1

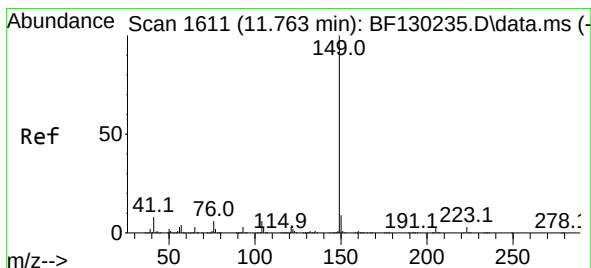
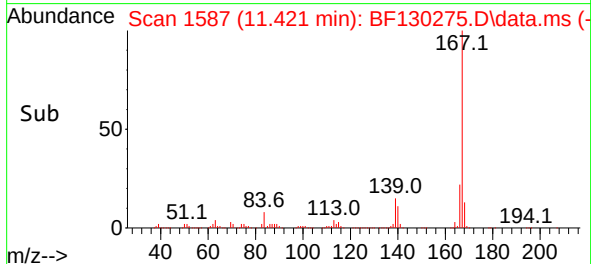
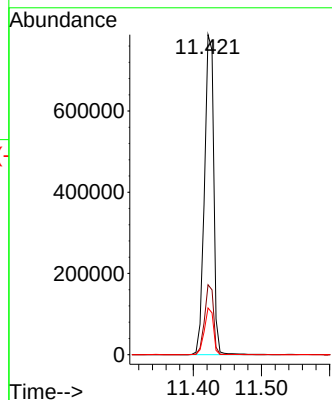
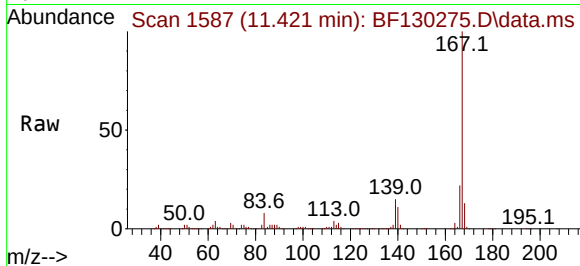




#73
 Carbazole
 Concen: 43.665 ng
 RT: 11.421 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

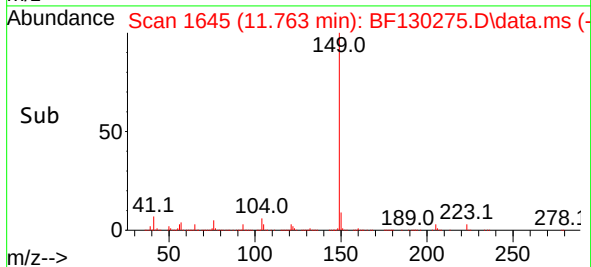
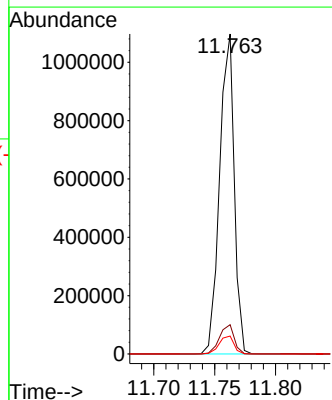
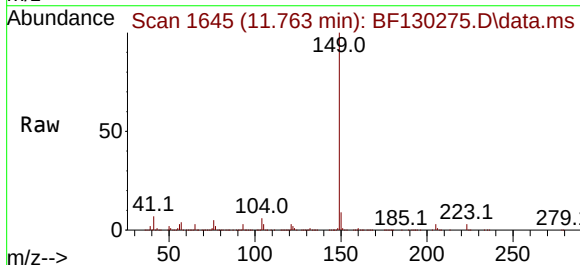
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

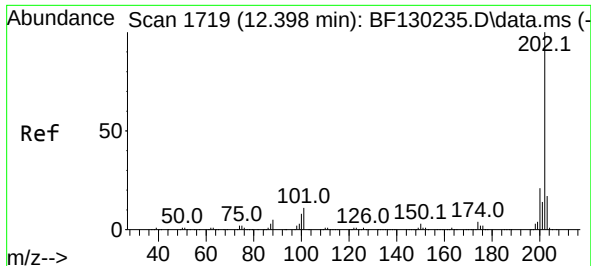
Tgt Ion:167 Resp: 742636
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 14.6 11.6 17.4



#74
 Di-n-butylphthalate
 Concen: 44.593 ng
 RT: 11.763 min Scan# 1645
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Tgt Ion:149 Resp: 914556
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 5.6 4.8 7.2

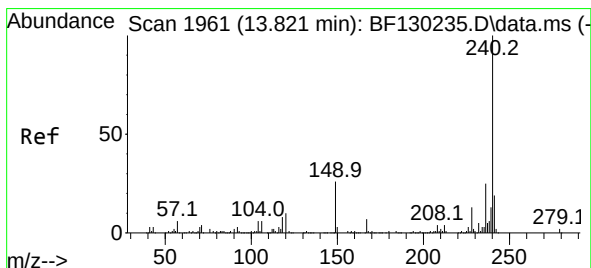
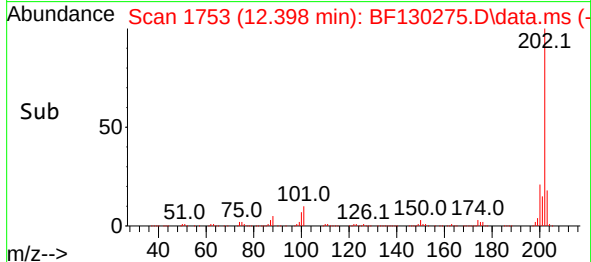
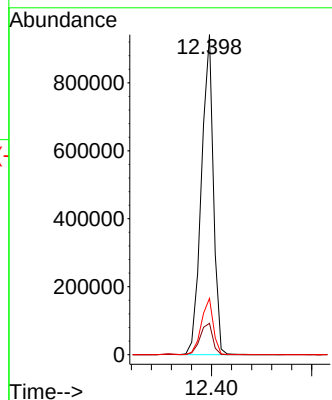
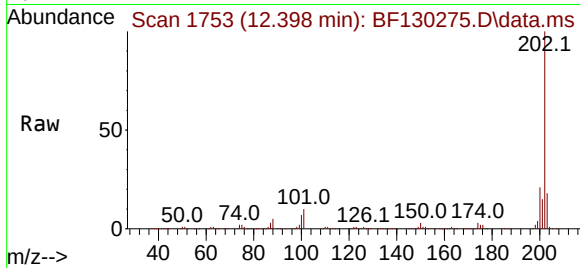




#75
Fluoranthene
Concen: 41.445 ng
RT: 12.398 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

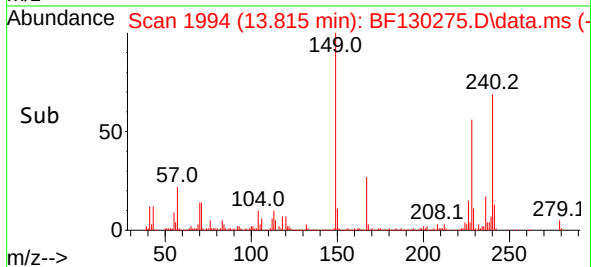
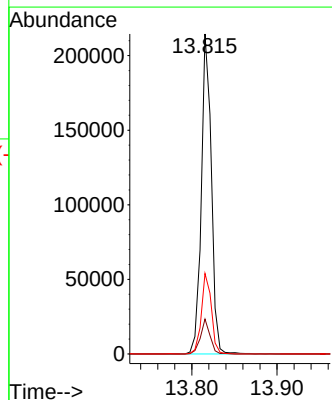
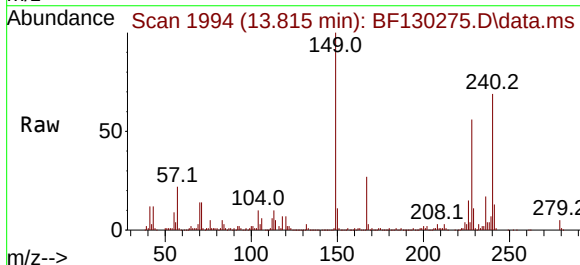
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

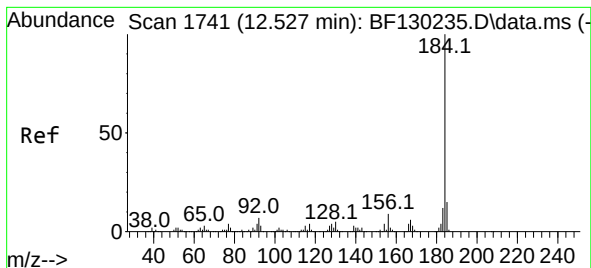
Tgt Ion:202 Resp: 782068
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.815 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:240 Resp: 175191
Ion Ratio Lower Upper
240 100
120 10.9 8.7 13.1
236 25.2 20.9 31.3





#77

Benzidine

Concen: 21.232 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

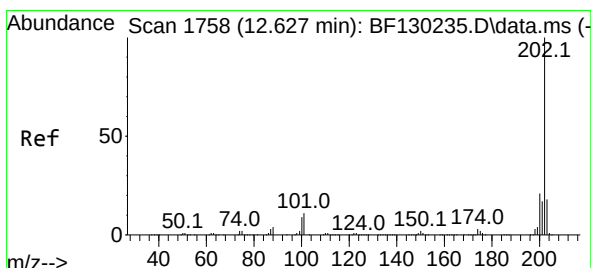
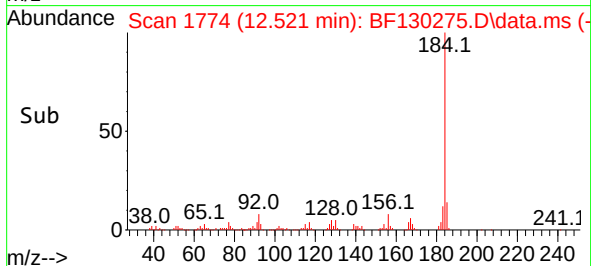
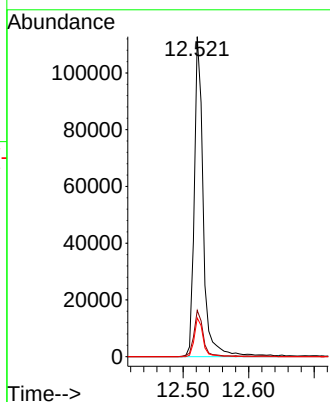
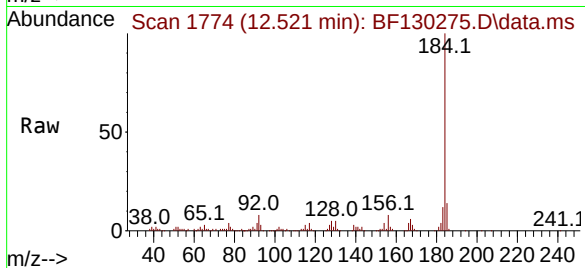
Tgt Ion:184 Resp: 107979

Ion Ratio Lower Upper

184 100

185 14.4 11.8 17.6

183 12.1 9.1 13.7



#78

Pyrene

Concen: 49.954 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

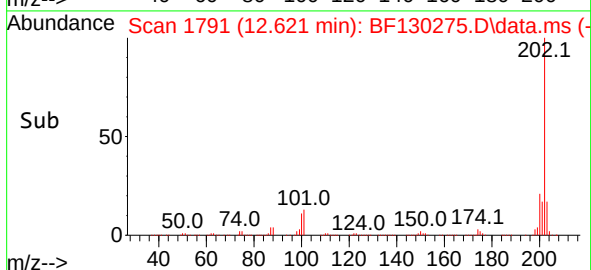
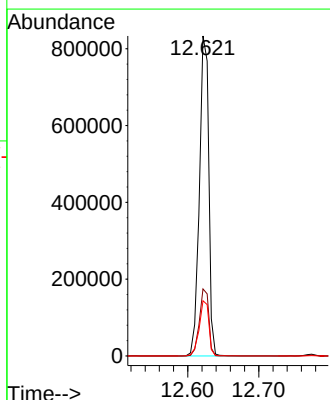
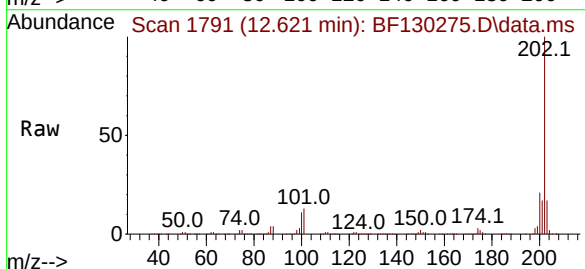
Tgt Ion:202 Resp: 765592

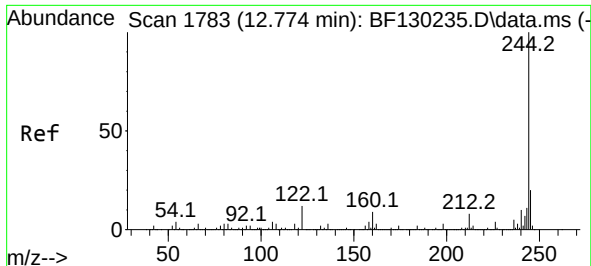
Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 17.2 14.3 21.5

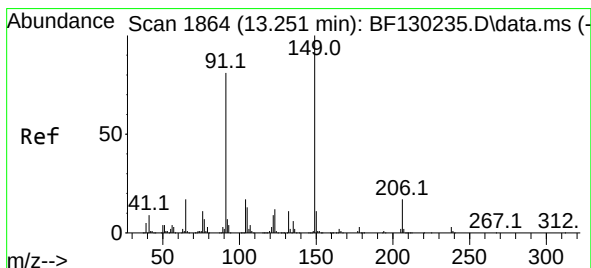
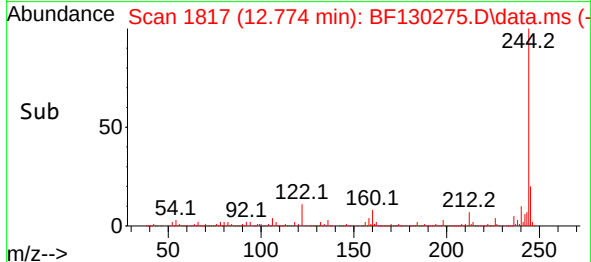
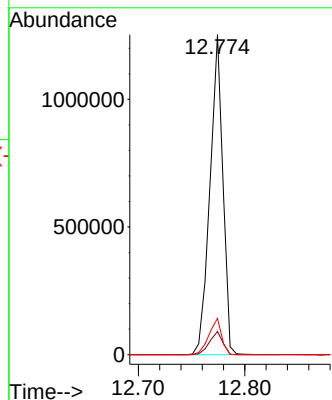
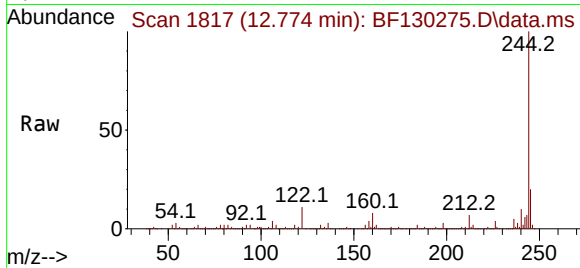




#79
 Terphenyl-d14
 Concen: 100.092 ng
 RT: 12.774 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

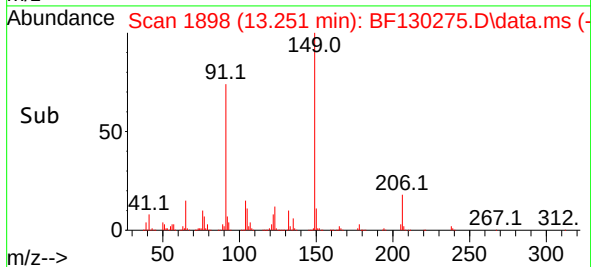
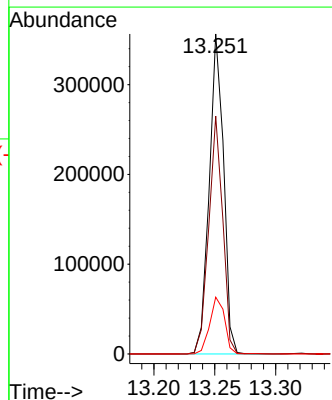
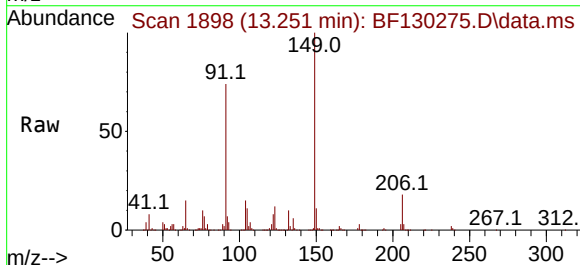
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

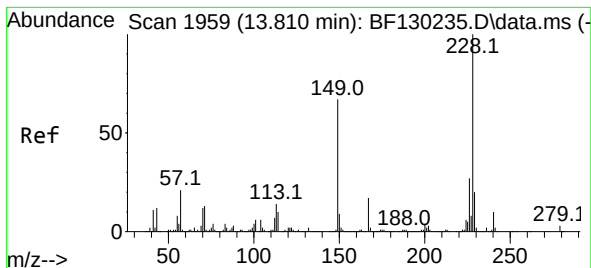
Tgt Ion:244 Resp: 1058579
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.4 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 51.381 ng
 RT: 13.251 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Tgt Ion:149 Resp: 291718
 Ion Ratio Lower Upper
 149 100
 91 74.4 59.8 89.8
 206 17.7 13.9 20.9





#81

Benzo(a)anthracene

Concen: 45.072 ng

RT: 13.810 min Scan# 1959

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

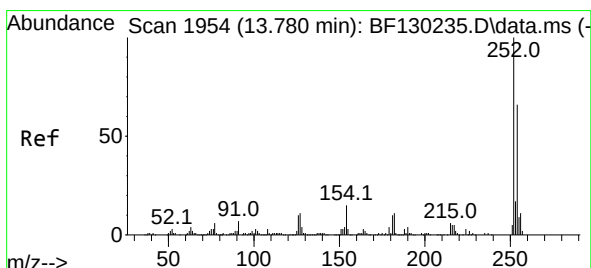
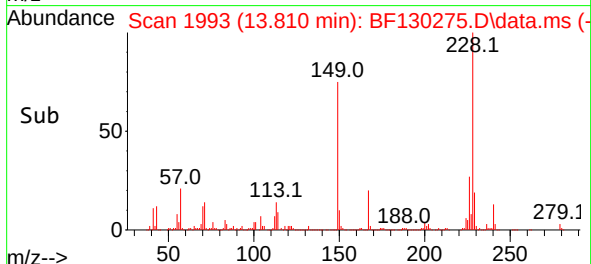
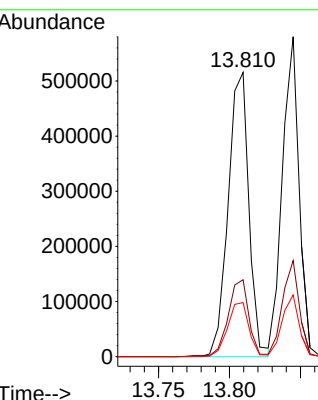
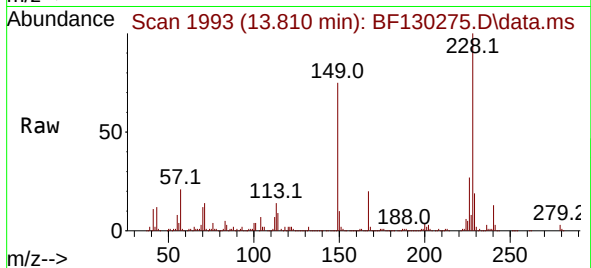
Tgt Ion:228 Resp: 525290

Ion Ratio Lower Upper

228 100

226 27.0 21.9 32.9

229 19.0 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 33.576 ng

RT: 13.774 min Scan# 1987

Delta R.T. -0.006 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

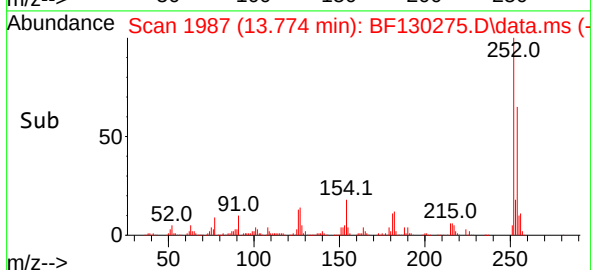
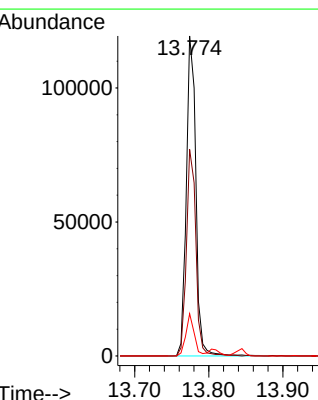
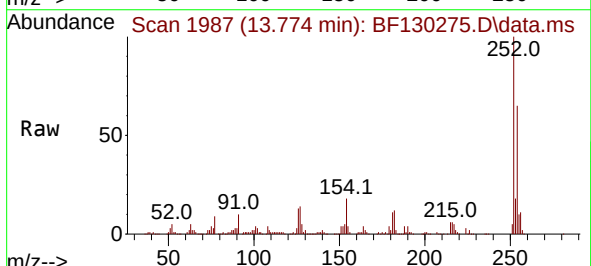
Tgt Ion:252 Resp: 106520

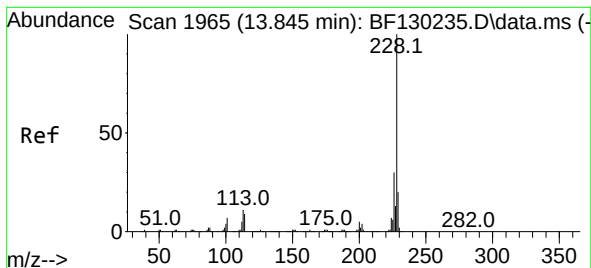
Ion Ratio Lower Upper

252 100

254 64.6 51.1 76.7

126 13.2 10.4 15.6





#83

Chrysene

Concen: 43.318 ng

RT: 13.845 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

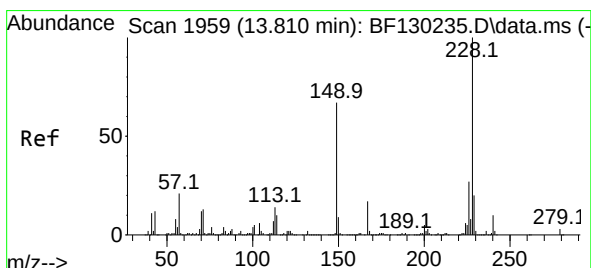
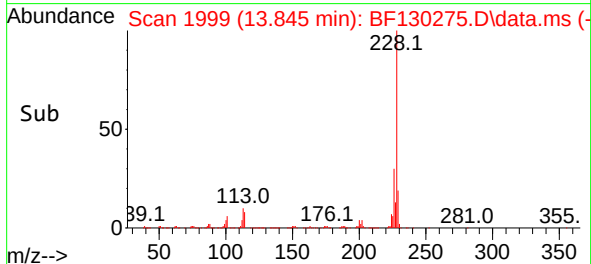
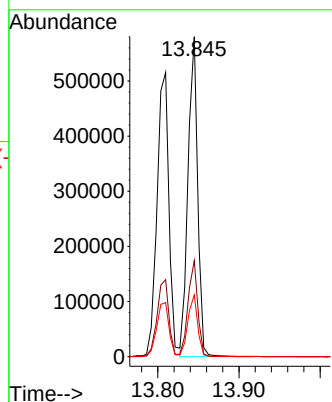
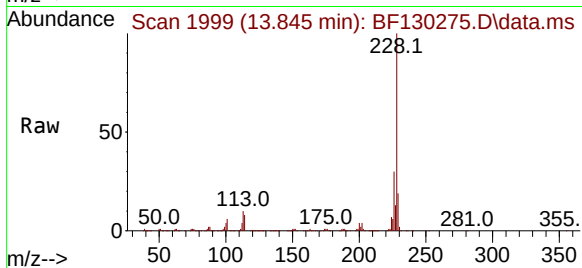
Tgt Ion:228 Resp: 479362

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.3 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.526 ng

RT: 13.810 min Scan# 1993

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

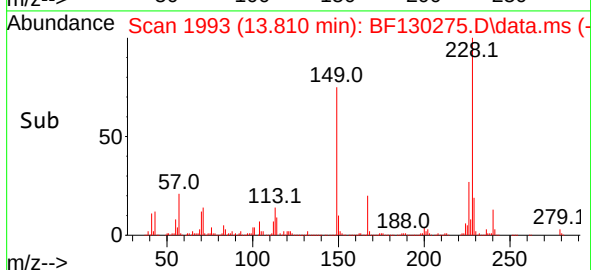
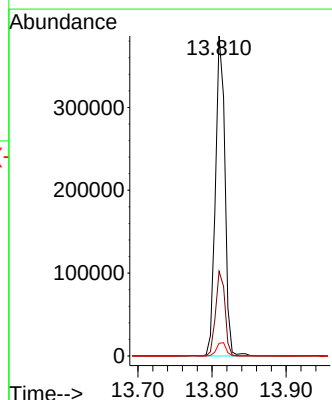
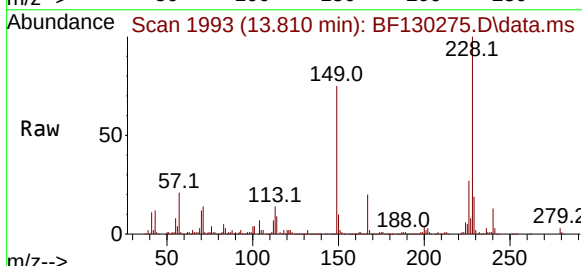
Tgt Ion:149 Resp: 341594

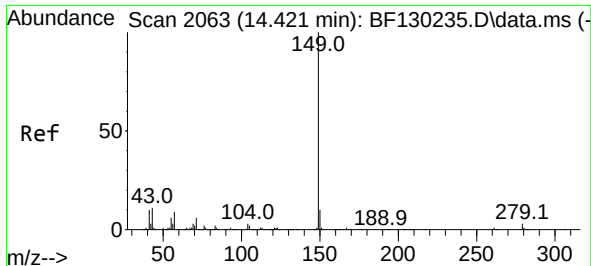
Ion Ratio Lower Upper

149 100

167 26.4 20.5 30.7

279 3.9 2.9 4.3

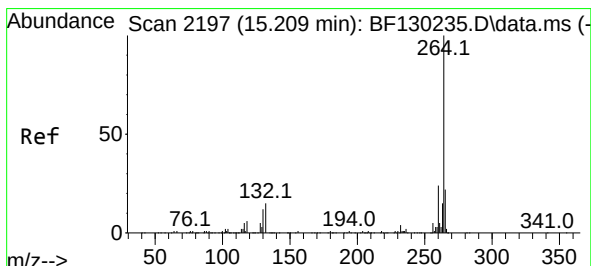
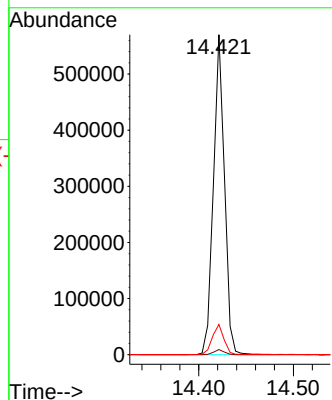
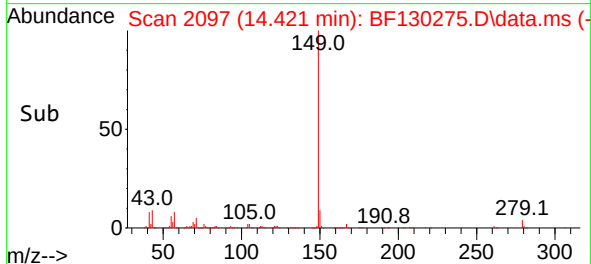
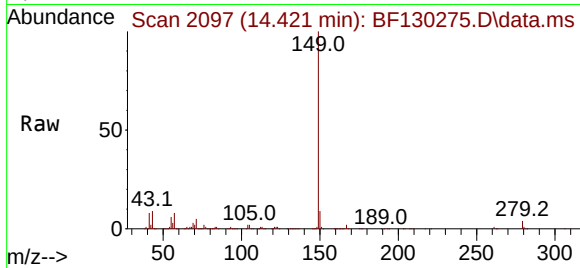




#85
Di-n-octyl phthalate
Concen: 46.306 ng
RT: 14.421 min Scan# 2063
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

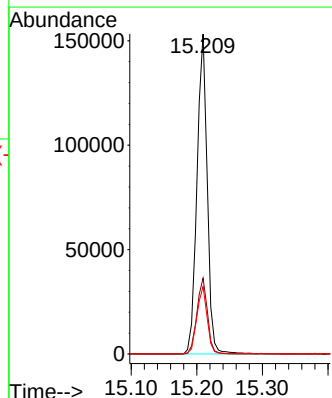
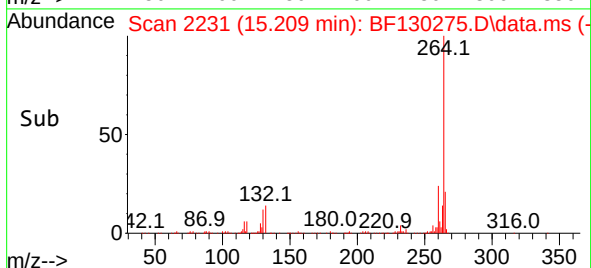
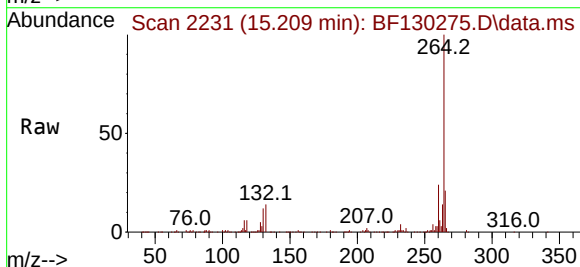
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

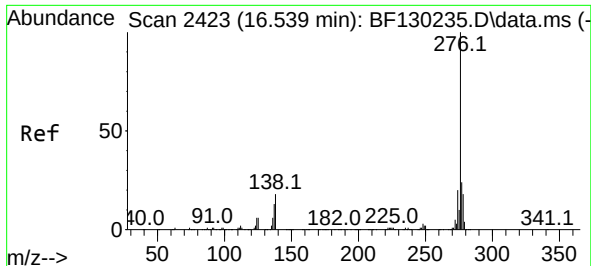
Tgt Ion:149 Resp: 460599
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 9.8 8.7 13.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.209 min Scan# 2231
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:264 Resp: 167146
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.0 17.0 25.4

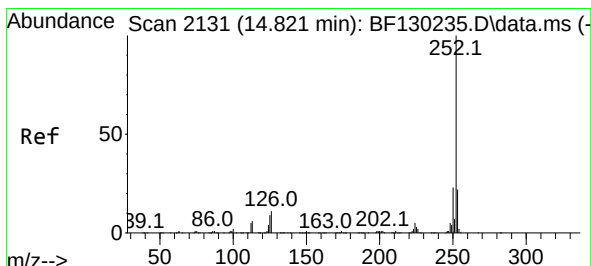
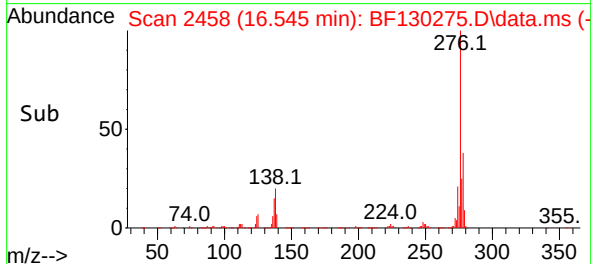
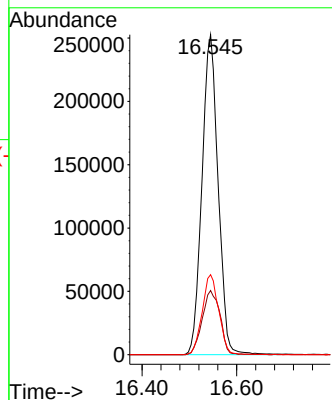
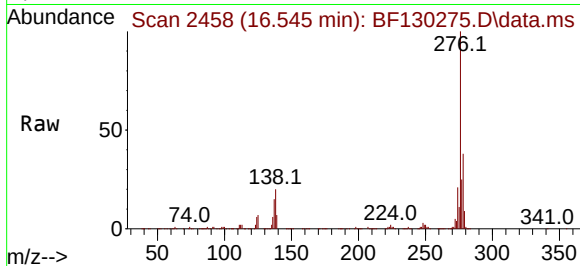




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 50.396 ng
 RT: 16.545 min Scan# 2423
 Delta R.T. 0.006 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

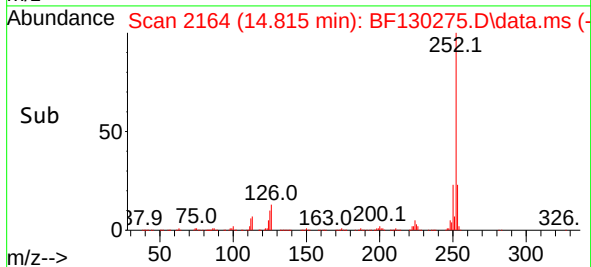
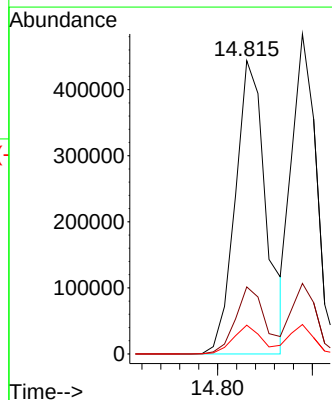
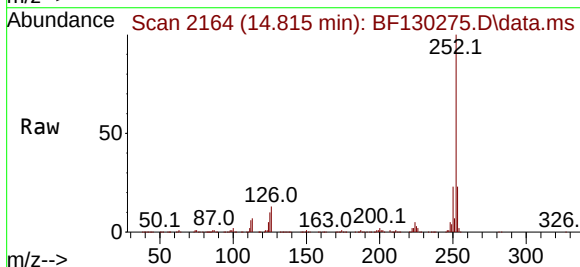
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

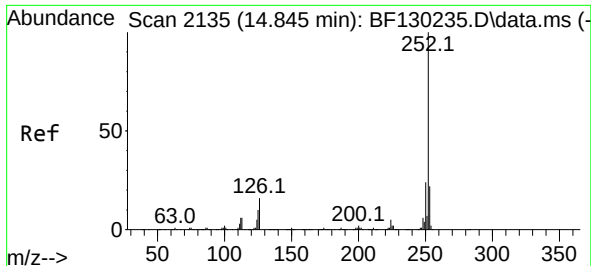
Tgt Ion:276 Resp: 597347
 Ion Ratio Lower Upper
 276 100
 138 22.1 18.5 27.7
 277 25.5 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 45.981 ng
 RT: 14.815 min Scan# 2164
 Delta R.T. -0.006 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Tgt Ion:252 Resp: 501635
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 9.8 8.1 12.1

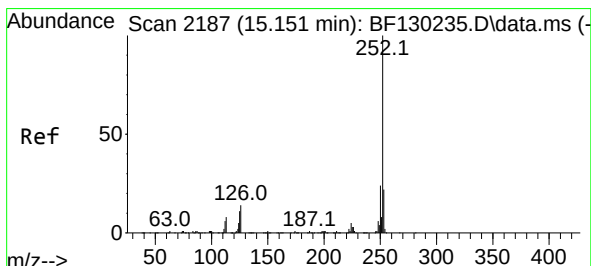
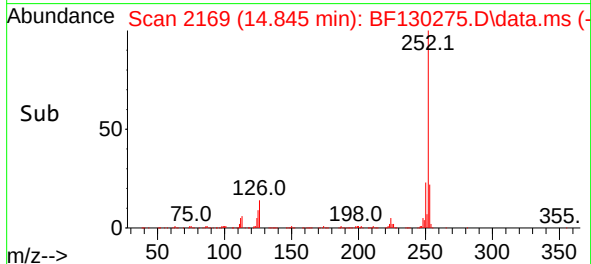
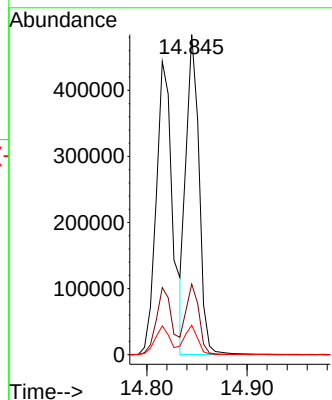
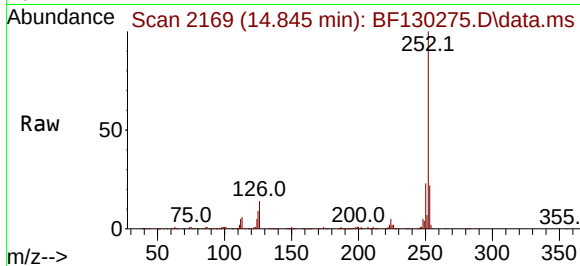




#89
Benzo(k)fluoranthene
Concen: 40.647 ng
RT: 14.845 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

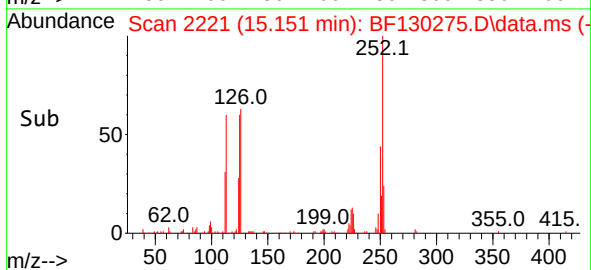
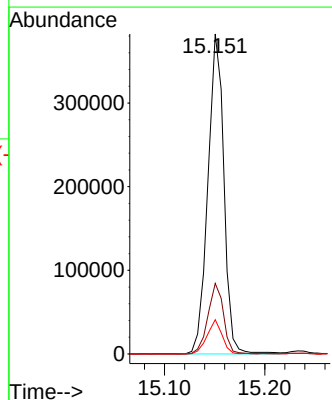
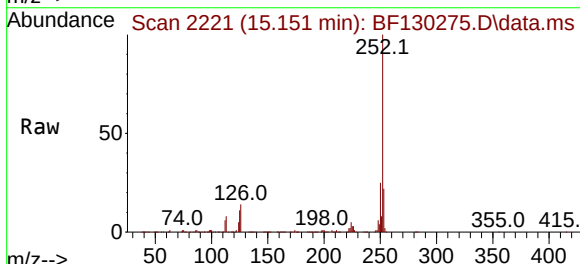
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

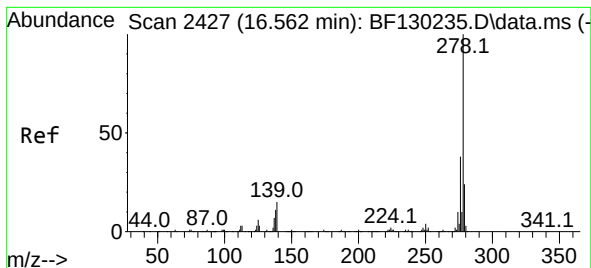
Tgt Ion:252 Resp: 436208
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.2 7.9 11.9



#90
Benzo(a)pyrene
Concen: 49.288 ng
RT: 15.151 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:252 Resp: 425998
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.7 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 53.208 ng

RT: 16.562 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

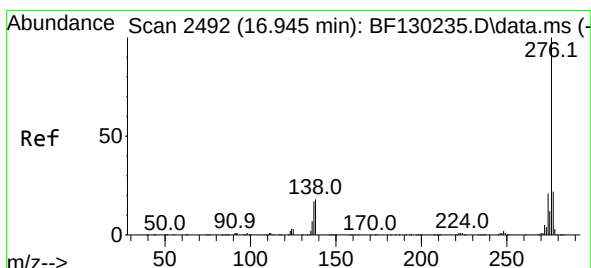
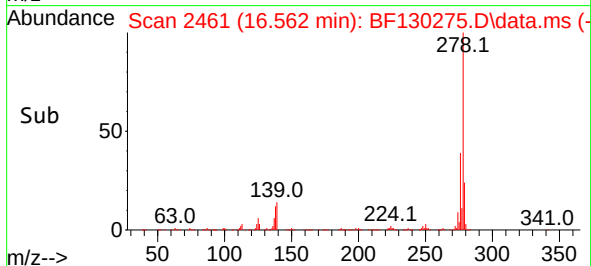
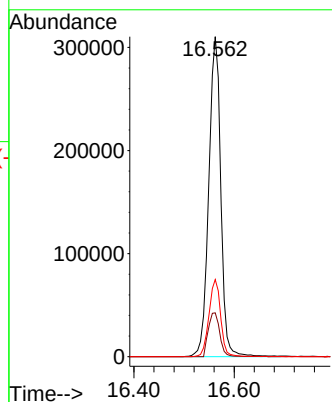
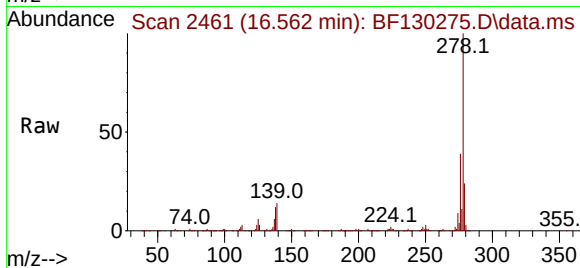
Tgt Ion:278 Resp: 517375

Ion Ratio Lower Upper

278 100

139 13.7 11.8 17.8

279 24.1 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 52.562 ng

RT: 16.945 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Tgt Ion:276 Resp: 514850

Ion Ratio Lower Upper

276 100

277 22.6 18.6 27.8

138 18.4 14.6 21.8

