

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130274.D
 Acq On : 15 Sep 2022 16:42
 Operator : CG\JU
 Sample : N4600-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS

Quant Time: Sep 16 03:29:52 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	6.675	152	103285	20.000	ng	0.00
21) Naphthalene-d8	7.957	136	399739	20.000	ng	0.00
39) Acenaphthene-d10	9.710	164	209023	20.000	ng	0.00
64) Phenanthrene-d10	11.192	188	349547	20.000	ng	0.00
76) Chrysene-d12	13.816	240	181547	20.000	ng	0.00
86) Perylene-d12	15.210	264	166587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	741556	124.529	ng	0.02
7) Phenol-d6	6.316	99	845339	113.454	ng	0.00
23) Nitrobenzene-d5	7.245	82	653876	83.568	ng	0.00
42) 2,4,6-Tribromophenol	10.498	330	310003	154.782	ng	0.00
45) 2-Fluorobiphenyl	9.039	172	1208740	84.209	ng	0.00
79) Terphenyl-d14	12.775	244	1096910	100.085	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.516	88	100405	36.713	ng	# 84
3) Pyridine	3.175	79	216843	30.395	ng	97
4) n-Nitrosodimethylamine	3.099	42	151399	39.019	ng	100
6) Aniline	6.340	93	142228	15.492	ng	# 85
8) 2-Chlorophenol	6.457	128	298675	44.030	ng	99
9) Benzaldehyde	6.228	77	166659	33.392	ng	96
10) Phenol	6.328	94	308779	35.363	ng	98
11) bis(2-Chloroethyl)ether	6.422	93	278240	44.179	ng	94
12) 1,3-Dichlorobenzene	6.616	146	307942	41.257	ng	99
13) 1,4-Dichlorobenzene	6.693	146	318545	41.851	ng	99
14) 1,2-Dichlorobenzene	6.845	146	305026	42.899	ng	98
15) Benzyl Alcohol	6.828	79	188617	31.928	ng	95
16) 2,2'-oxybis(1-Chloropr...	6.957	45	378112	41.162	ng	91
17) 2-Methylphenol	6.940	107	267429	48.498	ng	98
18) Hexachloroethane	7.187	117	122406	40.798	ng	98
19) n-Nitroso-di-n-propyla...	7.098	70	221232	44.002	ng	94
20) 3+4-Methylphenols	7.093	107	304780	42.547	ng	94
22) Acetophenone	7.093	105	448043	45.845	ng	# 97
24) Nitrobenzene	7.263	77	333513	41.978	ng	96
25) Isophorone	7.504	82	594467	47.138	ng	99
26) 2-Nitrophenol	7.575	139	158500	48.666	ng	98
27) 2,4-Dimethylphenol	7.622	122	265164	52.877	ng	97
28) bis(2-Chloroethoxy)met...	7.716	93	350136	49.307	ng	99
29) 2,4-Dichlorophenol	7.822	162	250896	45.656	ng	95
30) 1,2,4-Trichlorobenzene	7.898	180	253741	42.708	ng	96
31) Naphthalene	7.981	128	885202	42.983	ng	99
32) Benzoic acid	7.740	122	150036	38.689	ng	94
33) 4-Chloroaniline	8.034	127	52441	6.695	ng	96
34) Hexachlorobutadiene	8.098	225	160926	42.382	ng	99
35) Caprolactam	8.404	113	38281	24.299	ng	98
36) 4-Chloro-3-methylphenol	8.522	107	283721	46.579	ng	99
37) 2-Methylnaphthalene	8.675	142	583180	44.414	ng	100
38) 1-Methylnaphthalene	8.769	142	550982	43.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.839	216	262292	45.981	ng	99
41) Hexachlorocyclopentadiene	8.828	237	334893	109.655	ng	100
43) 2,4,6-Trichlorophenol	8.951	196	178775	44.906	ng	97

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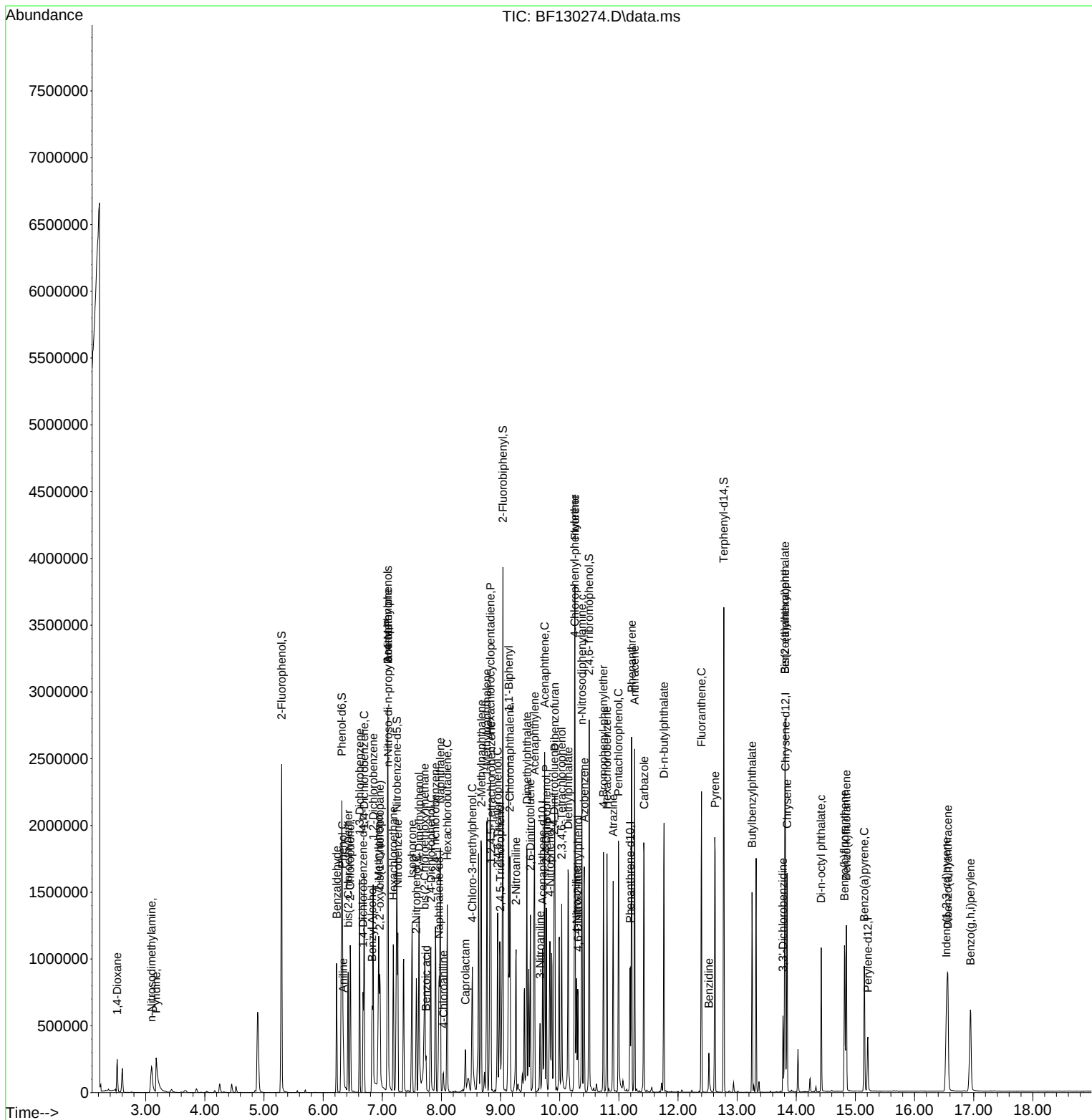
Instrument :
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Quant Time: Sep 16 03:29:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	8.992	196	193973	45.151	ng	98
46) 1,1'-Biphenyl	9.139	154	712871	45.665	ng	97
47) 2-Chloronaphthalene	9.157	162	554858	43.938	ng	99
48) 2-Nitroaniline	9.263	65	186621	44.308	ng	88
49) Acenaphthylene	9.575	152	840159	44.373	ng	100
50) Dimethylphthalate	9.445	163	652217	45.172	ng	99
51) 2,6-Dinitrotoluene	9.504	165	143907	47.657	ng	89
52) Acenaphthene	9.745	154	511006	41.077	ng	98
53) 3-Nitroaniline	9.669	138	70196	20.862	ng	94
54) 2,4-Dinitrophenol	9.775	184	138472	84.181	ng	97
55) Dibenzofuran	9.916	168	762383	44.060	ng	99
56) 4-Nitrophenol	9.834	139	198338	80.931	ng	95
57) 2,4-Dinitrotoluene	9.904	165	191509	49.625	ng	97
58) Fluorene	10.257	166	625139	44.176	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.034	232	152625	45.389	ng	96
60) Diethylphthalate	10.145	149	646626	44.660	ng	99
61) 4-Chlorophenyl-phenyle...	10.251	204	285350	45.966	ng	94
62) 4-Nitroaniline	10.286	138	138788	41.060	ng	96
63) Azobenzene	10.416	77	621975	41.718	ng	95
65) 4,6-Dinitro-2-methylph...	10.310	198	87122	44.774	ng	87
66) n-Nitrosodiphenylamine	10.375	169	523269	44.797	ng	100
67) 4-Bromophenyl-phenylether	10.739	248	179294	46.497	ng	94
68) Hexachlorobenzene	10.798	284	203119	46.468	ng	92
69) Atrazine	10.904	200	173767	50.905	ng	98
70) Pentachlorophenol	10.992	266	216289	92.198	ng	99
71) Phenanthrene	11.216	178	865460	44.100	ng	99
72) Anthracene	11.269	178	859591	45.388	ng	99
73) Carbazole	11.428	167	762956	44.639	ng	99
74) Di-n-butylphthalate	11.763	149	940527	45.633	ng	99
75) Fluoranthene	12.398	202	807732	42.594	ng	97
77) Benzidine	12.522	184	104157	19.764	ng	99
78) Pyrene	12.627	202	792917	49.926	ng	99
80) Butylbenzylphthalate	13.251	149	306860	52.155	ng	100
81) Benzo(a)anthracene	13.810	228	540751	44.774	ng	99
82) 3,3'-Dichlorobenzidine	13.774	252	106304	32.335	ng	98
83) Chrysene	13.845	228	504825	44.022	ng	99
84) Bis(2-ethylhexyl)phtha...	13.810	149	355972	52.821	ng	100
85) Di-n-octyl phthalate	14.421	149	473410	45.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.539	276	577157	48.856	ng	99
88) Benzo(b)fluoranthene	14.816	252	501580	46.131	ng	100
89) Benzo(k)fluoranthene	14.845	252	446660	41.760	ng	99
90) Benzo(a)pyrene	15.151	252	422221	49.015	ng	99
91) Dibenzo(a,h)anthracene	16.562	278	498693	51.459	ng	99
92) Benzo(g,h,i)perylene	16.945	276	498788	51.093	ng	97

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

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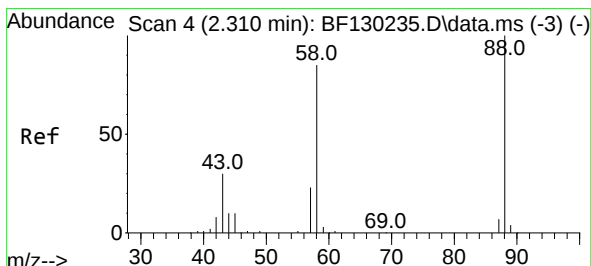
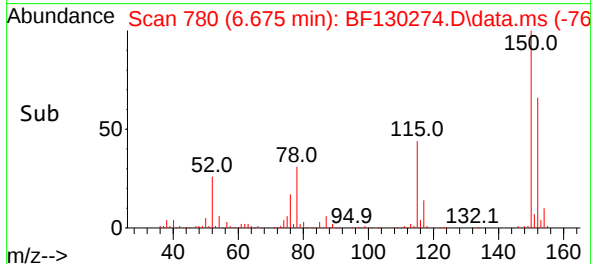
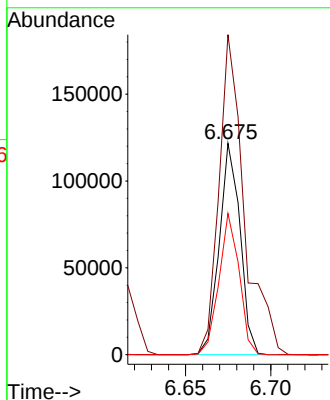
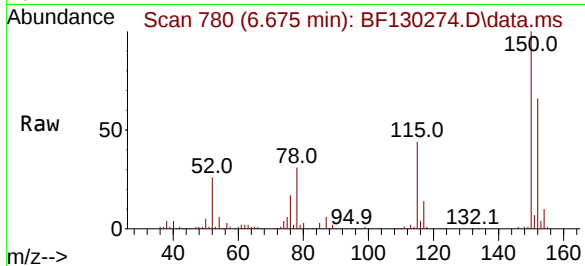




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.675 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

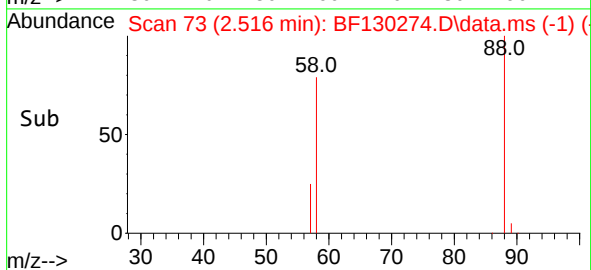
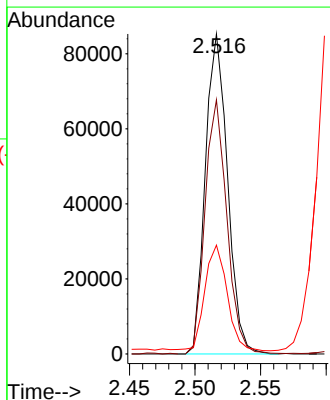
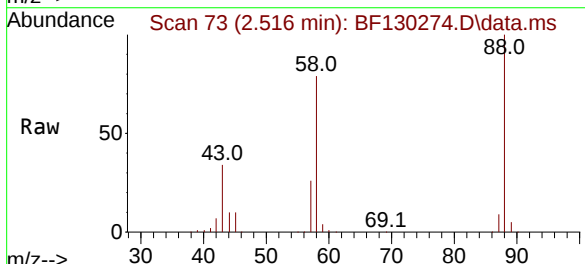
Instrument :
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OH-SOIL-0913MS

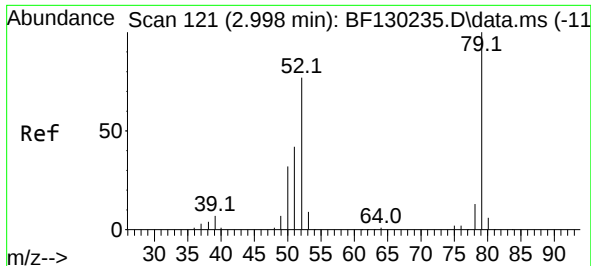
Tgt Ion:152 Resp: 103285
Ion Ratio Lower Upper
152 100
150 151.4 122.8 184.2
115 66.9 53.8 80.8



#2
1,4-Dioxane
Concen: 36.713 ng
RT: 2.516 min Scan# 73
Delta R.T. 0.206 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 88 Resp: 100405
Ion Ratio Lower Upper
88 100
58 78.4 61.3 91.9
43 0.0 23.0 34.6





#3

Pyridine

Concen: 30.395 ng

RT: 3.175 min Scan# 11

Delta R.T. 0.177 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

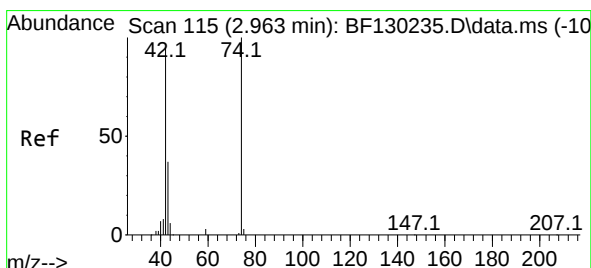
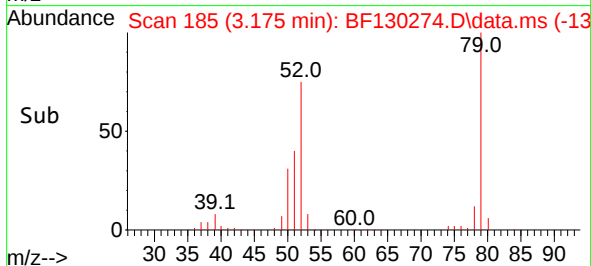
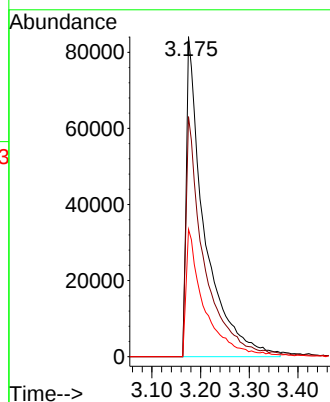
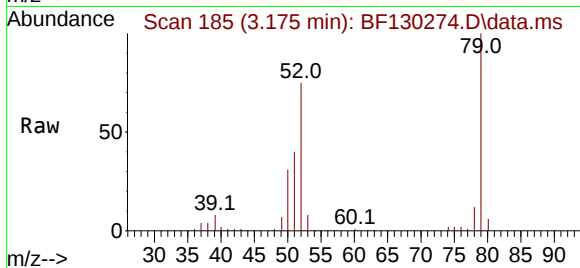
Tgt Ion: 79 Resp: 216843

Ion Ratio Lower Upper

79 100

52 75.0 62.4 93.6

51 39.8 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 39.019 ng

RT: 3.099 min Scan# 172

Delta R.T. 0.135 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

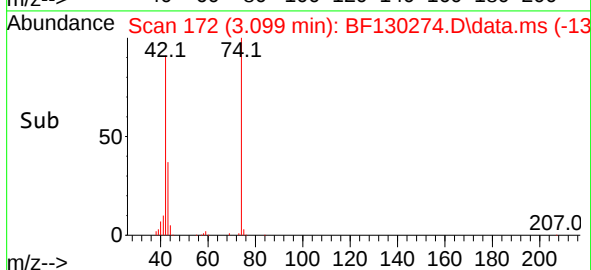
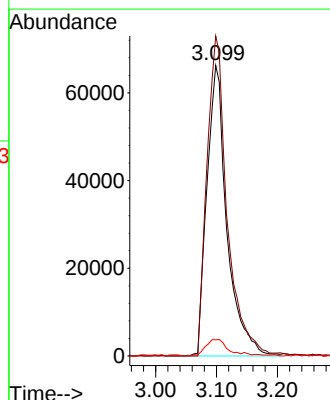
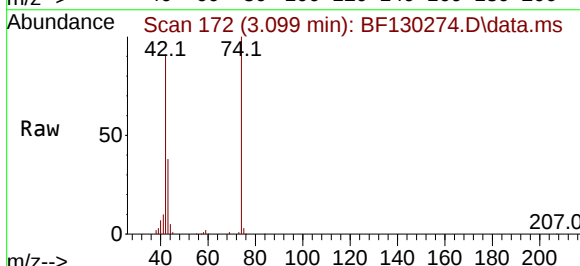
Tgt Ion: 42 Resp: 151399

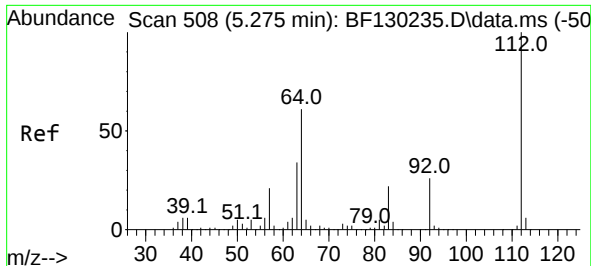
Ion Ratio Lower Upper

42 100

74 110.1 88.4 132.6

44 5.5 5.0 7.4

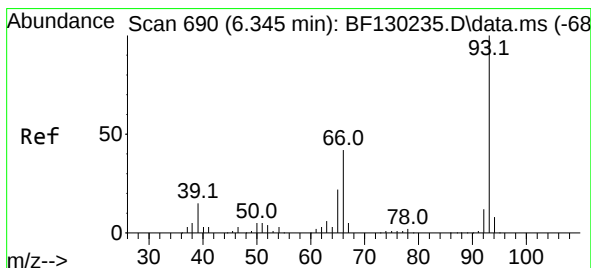
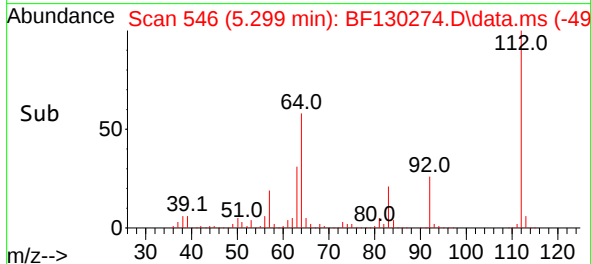
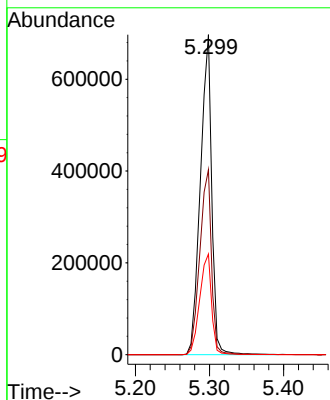
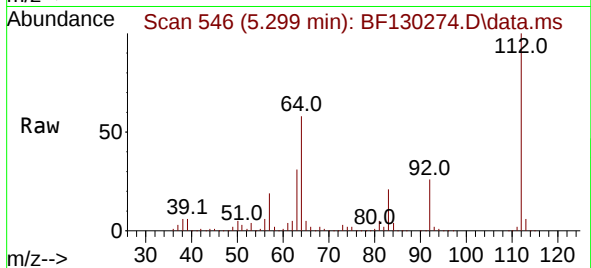




#5
2-Fluorophenol
Concen: 124.529 ng
RT: 5.299 min Scan# 54
Delta R.T. 0.024 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

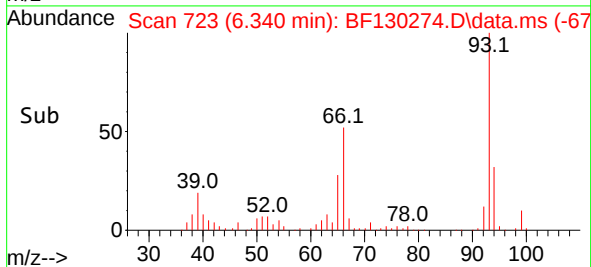
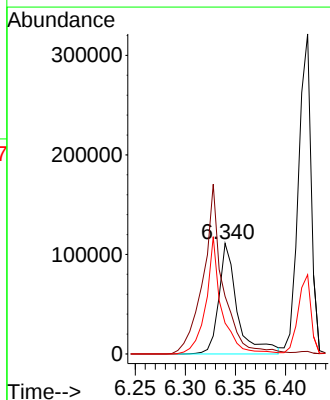
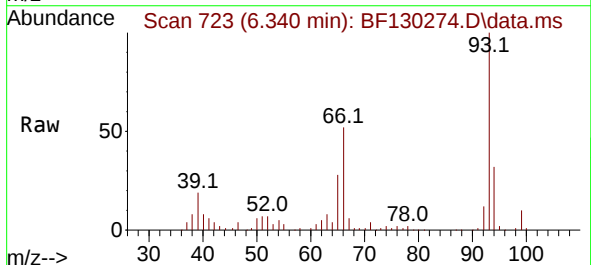
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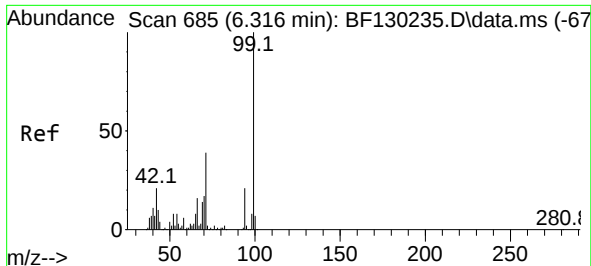
Tgt Ion:112 Resp: 741556
Ion Ratio Lower Upper
112 100
64 57.8 51.4 77.0
63 31.4 28.8 43.2



#6
Aniline
Concen: 15.492 ng
RT: 6.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 93 Resp: 142228
Ion Ratio Lower Upper
93 100
66 52.1 34.2 51.4#
65 27.9 16.6 24.8#

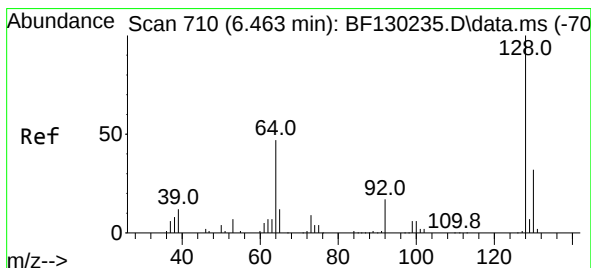
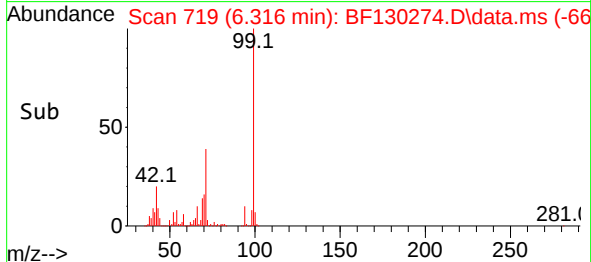
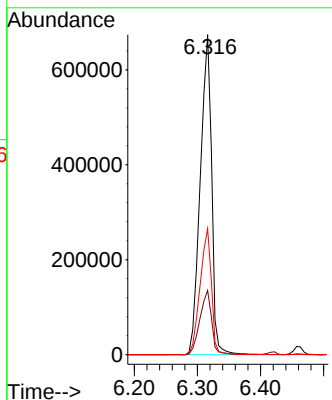
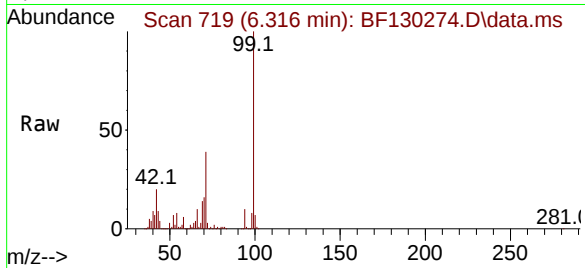




#7
Phenol-d6
Concen: 113.454 ng
RT: 6.316 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

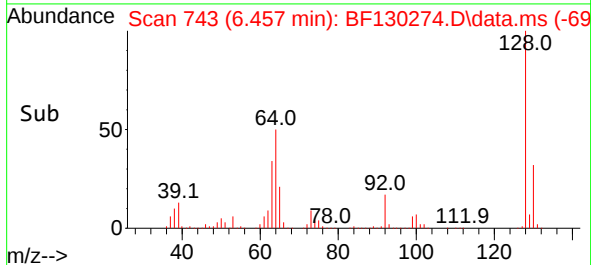
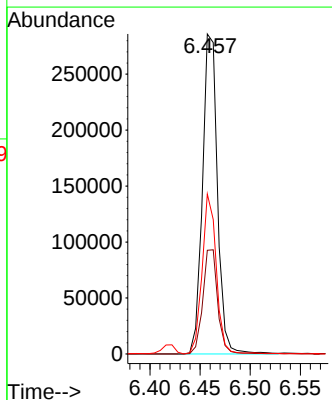
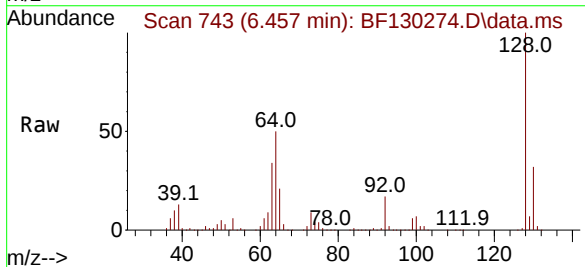
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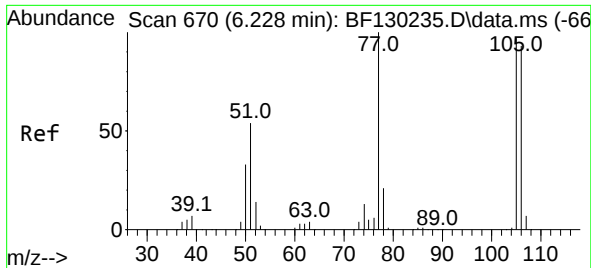
Tgt Ion: 99 Resp: 845339
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.6
71 39.3 32.3 48.5



#8
2-Chlorophenol
Concen: 44.030 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:128 Resp: 298675
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 50.0 31.6 71.6

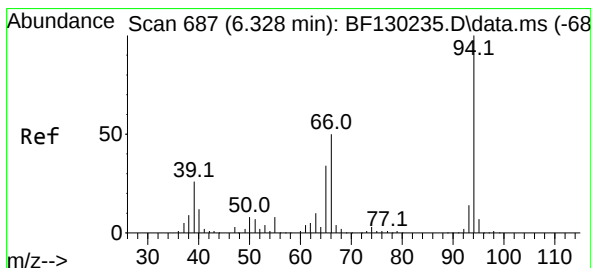
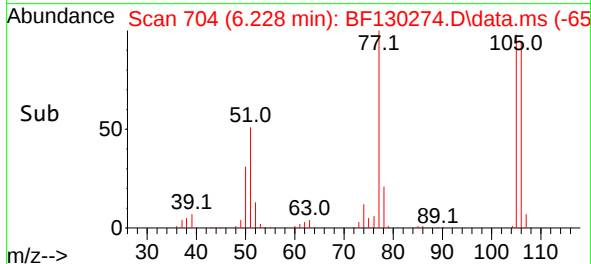
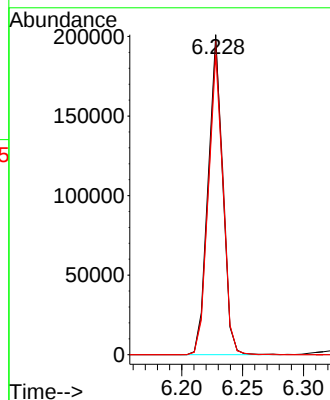
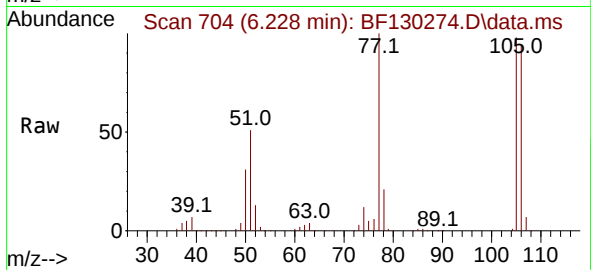




#9
Benzaldehyde
Concen: 33.392 ng
RT: 6.228 min Scan# 704
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

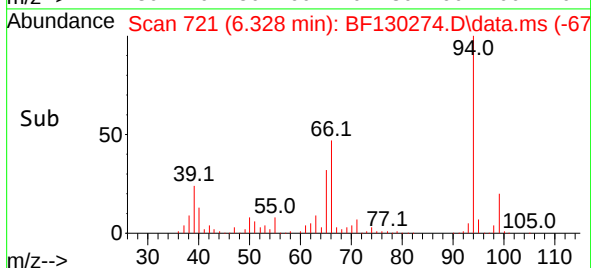
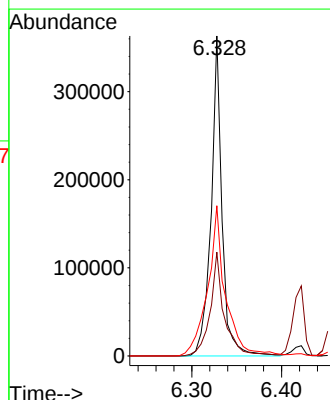
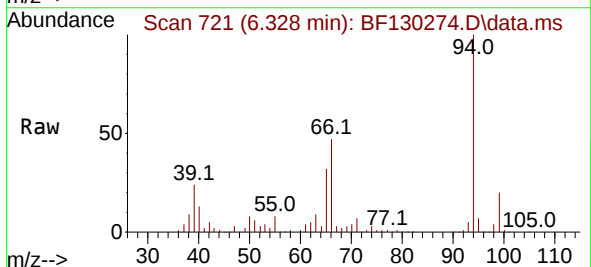
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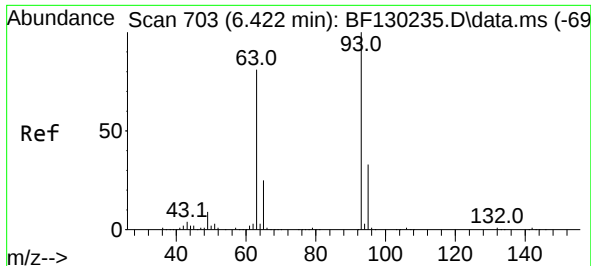
Tgt Ion: 77 Resp: 166659
Ion Ratio Lower Upper
77 100
105 98.1 75.1 115.1
106 93.7 69.7 109.7



#10
Phenol
Concen: 35.363 ng
RT: 6.328 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 94 Resp: 308779
Ion Ratio Lower Upper
94 100
65 32.5 14.1 54.1
66 47.0 28.1 68.1

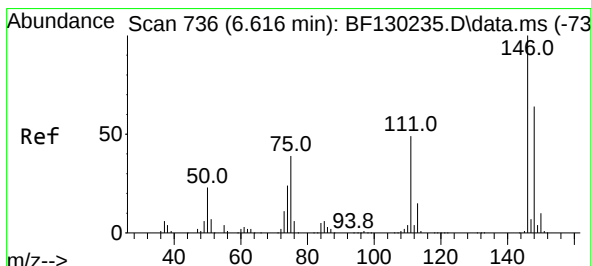
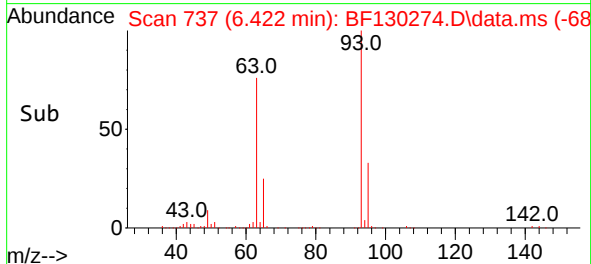
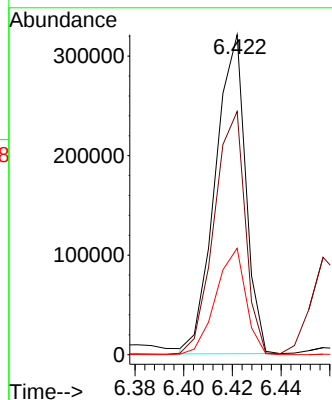
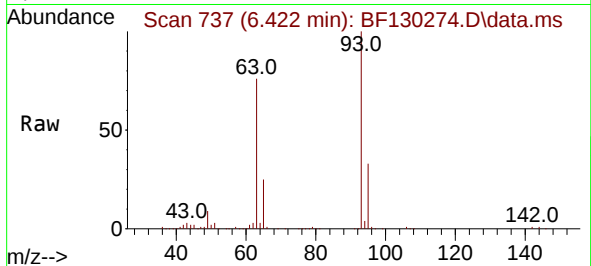




#11
bis(2-Chloroethyl)ether
Concen: 44.179 ng
RT: 6.422 min Scan# 703
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

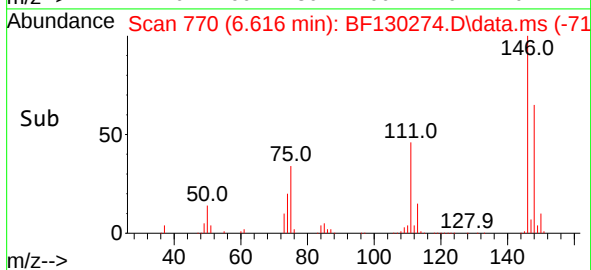
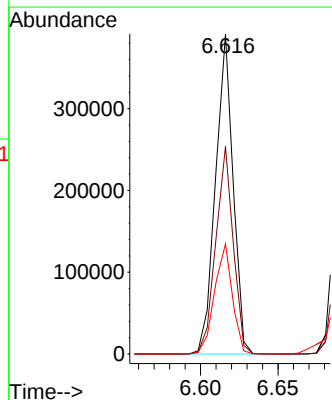
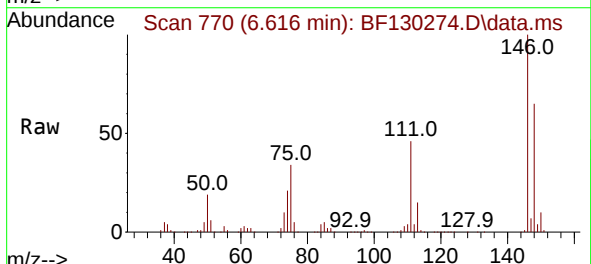
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

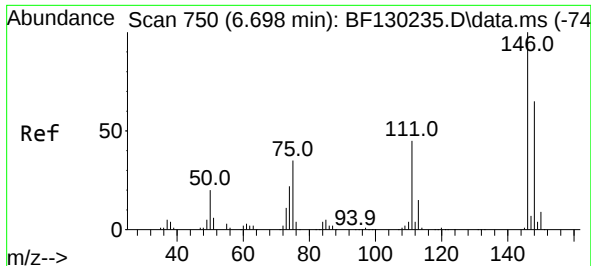
Tgt Ion: 93 Resp: 278240
Ion Ratio Lower Upper
93 100
63 76.0 62.5 102.5
95 33.3 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 41.257 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:146 Resp: 307942
Ion Ratio Lower Upper
146 100
148 64.9 51.4 77.2
75 34.4 28.8 43.2

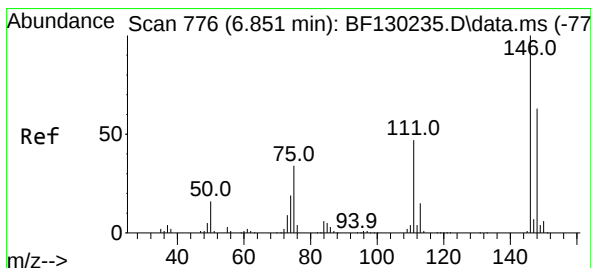
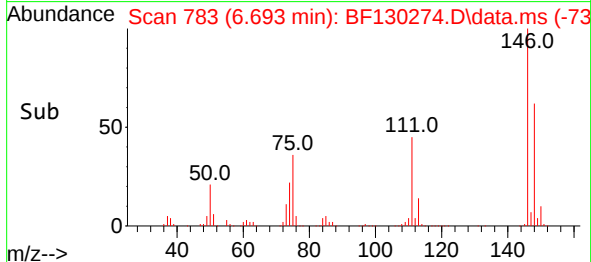
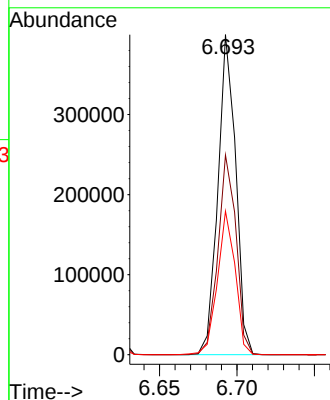
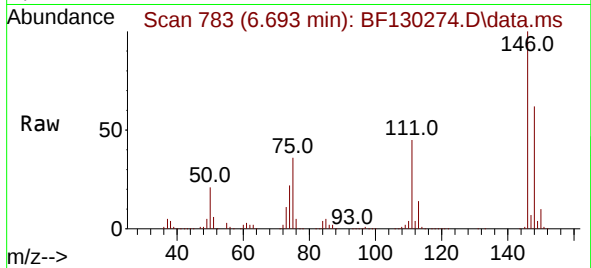




#13
1,4-Dichlorobenzene
Concen: 41.851 ng
RT: 6.693 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

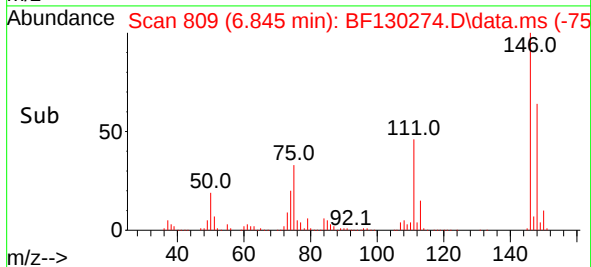
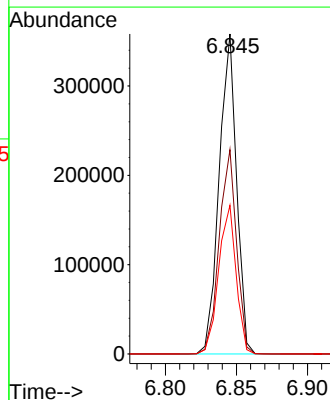
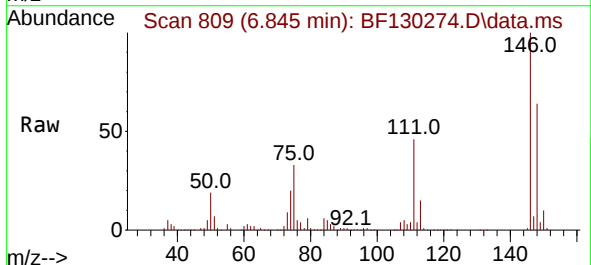
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

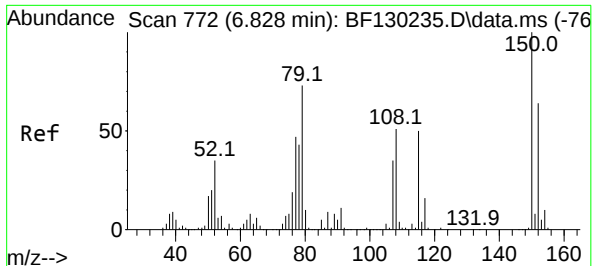
Tgt Ion:146 Resp: 318545
Ion Ratio Lower Upper
146 100
148 62.4 50.3 75.5
111 44.9 36.3 54.5



#14
1,2-Dichlorobenzene
Concen: 42.899 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:146 Resp: 305026
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 46.5 39.2 58.8

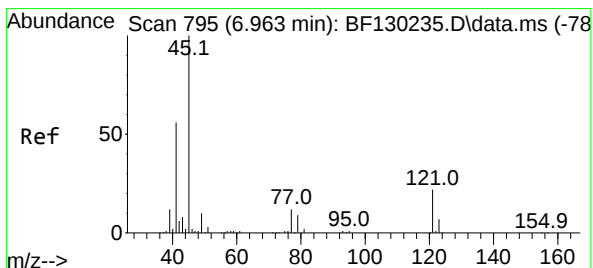
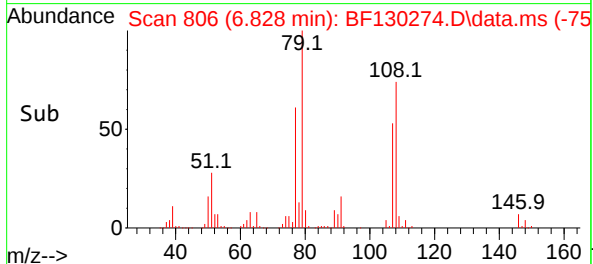
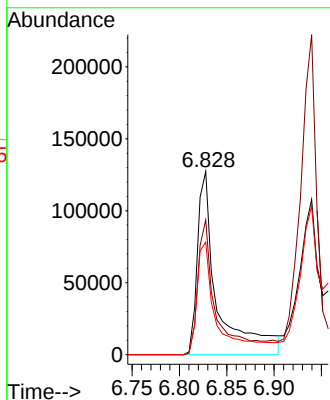
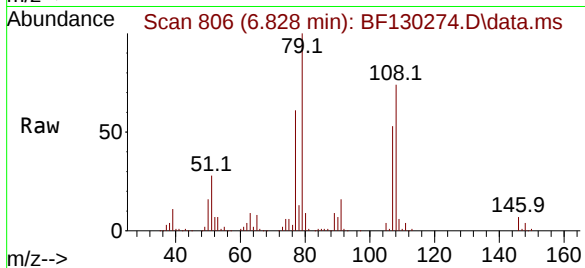




#15
Benzyl Alcohol
Concen: 31.928 ng
RT: 6.828 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

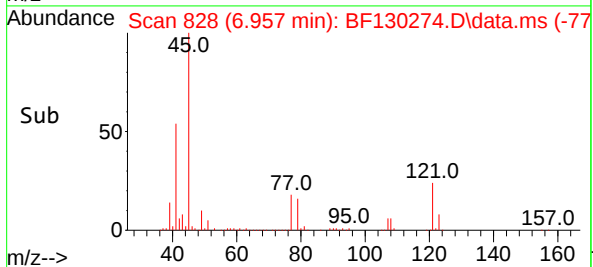
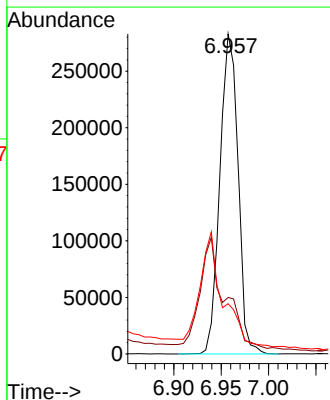
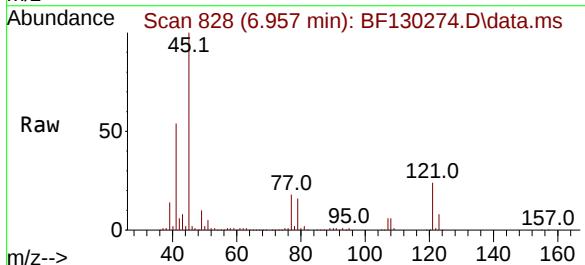
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

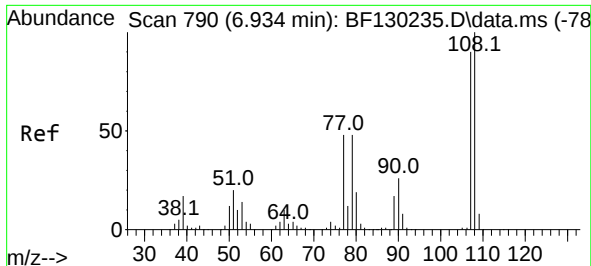
Tgt Ion: 79 Resp: 188617
Ion Ratio Lower Upper
79 100
108 73.5 54.0 81.0
77 61.5 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.162 ng
RT: 6.957 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 45 Resp: 378112
Ion Ratio Lower Upper
45 100
77 17.7 0.0 34.9
79 15.7 0.0 31.0



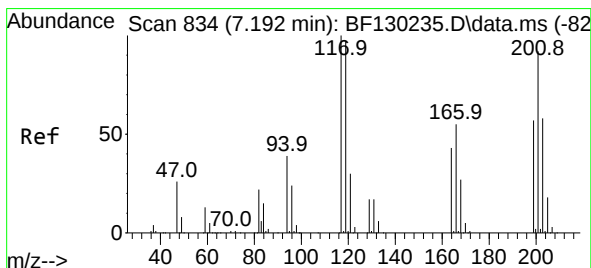
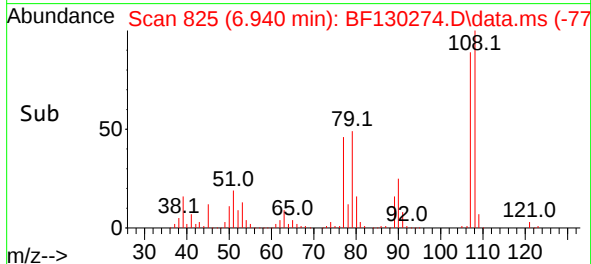
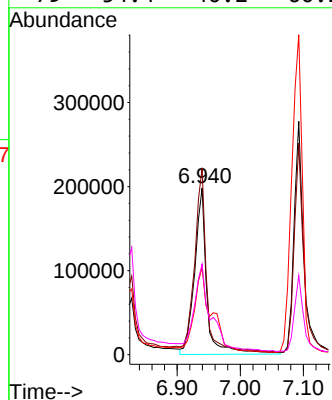
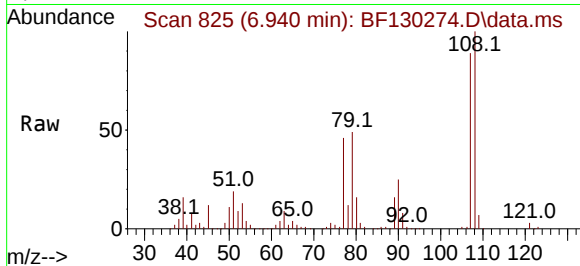


#17
2-Methylphenol
Concen: 48.498 ng
RT: 6.940 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

Tgt Ion:107 Resp: 267429

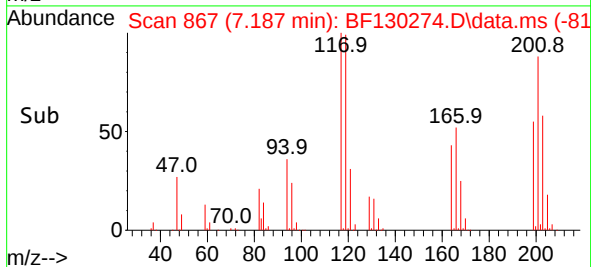
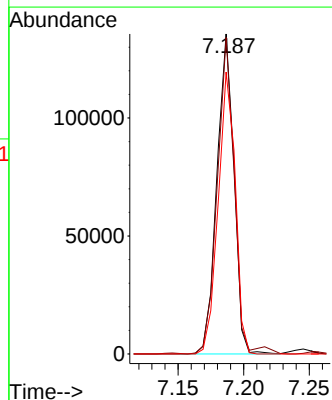
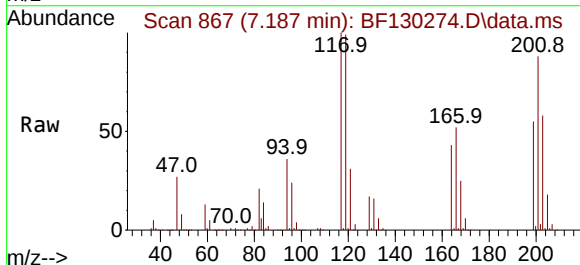
Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.4	134.0
77	52.0	40.6	60.8
79	54.4	40.2	60.2

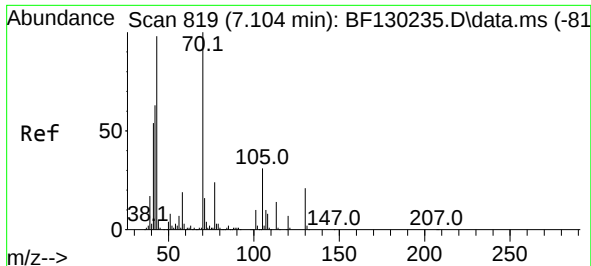


#18
Hexachloroethane
Concen: 40.798 ng
RT: 7.187 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:117 Resp: 122406

Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.8	116.6
201	88.1	68.7	103.1



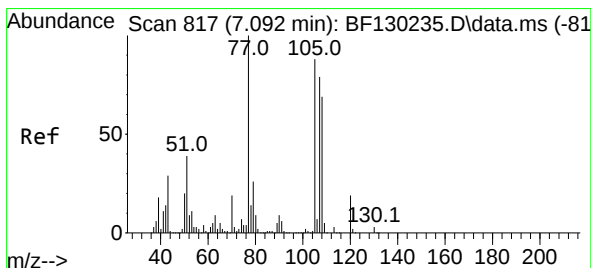
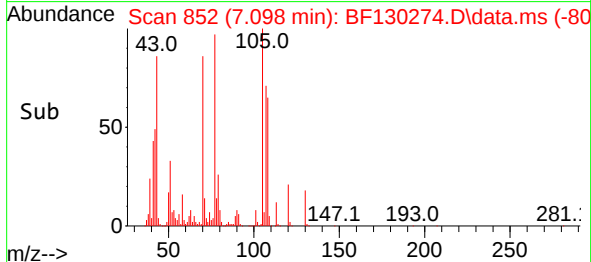
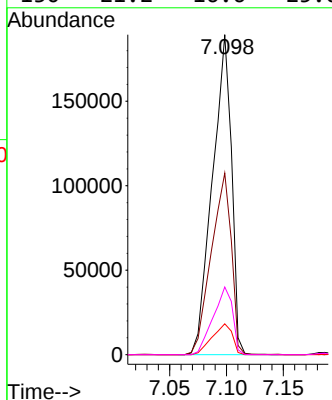
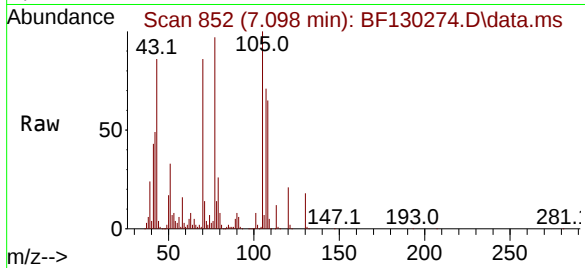


#19
n-Nitroso-di-n-propylamine
Concen: 44.002 ng
RT: 7.098 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

Tgt Ion: 70 Resp: 221232

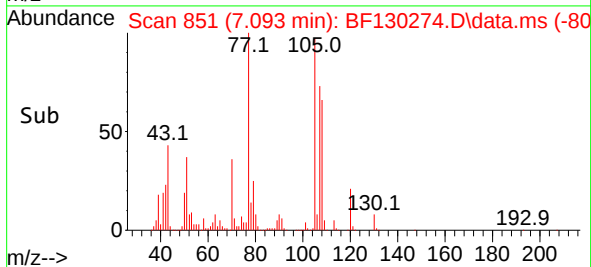
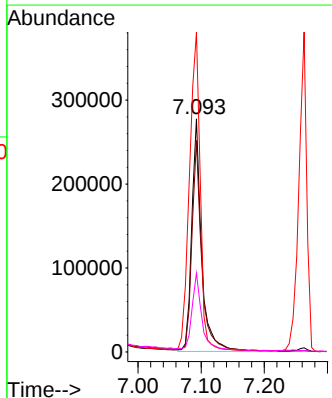
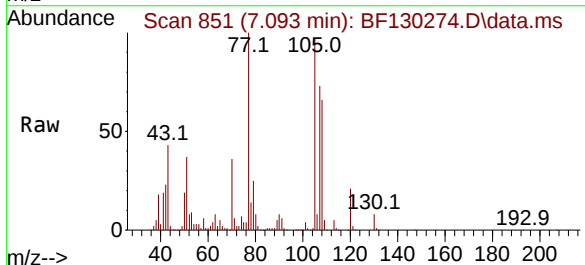
Ion	Ratio	Lower	Upper
70	100		
42	56.8	50.8	76.2
101	9.7	8.2	12.4
130	21.2	16.6	25.0

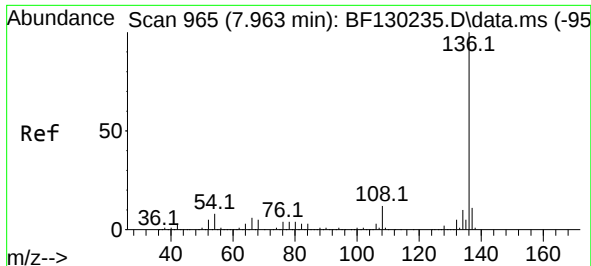


#20
3+4-Methylphenols
Concen: 42.547 ng
RT: 7.093 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 107 Resp: 304780

Ion	Ratio	Lower	Upper
107	100		
108	90.7	74.8	114.8
77	137.2	125.8	165.8
79	33.9	17.1	57.1



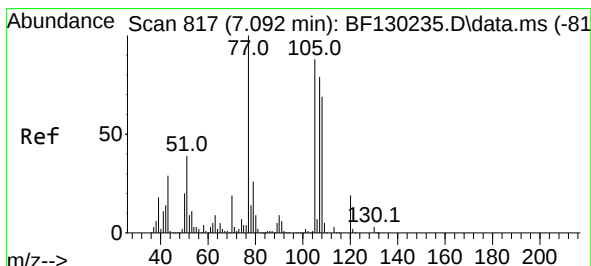
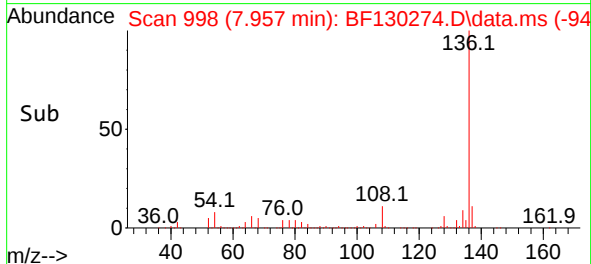
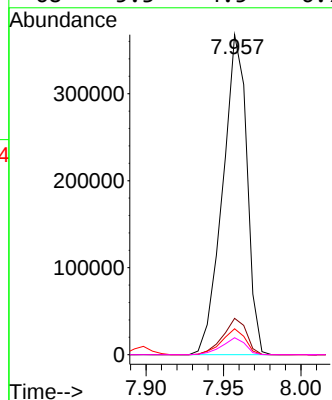
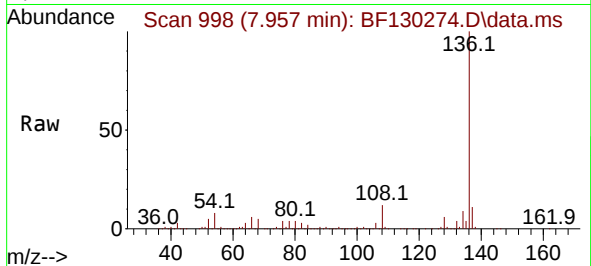


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.957 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

Tgt Ion:136 Resp: 399739

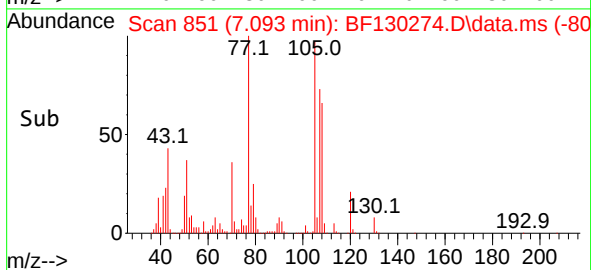
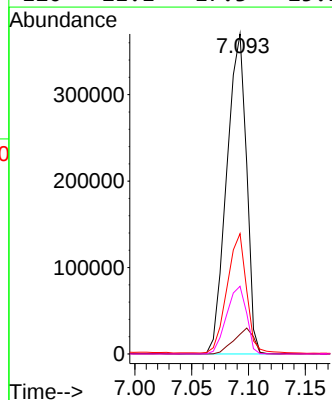
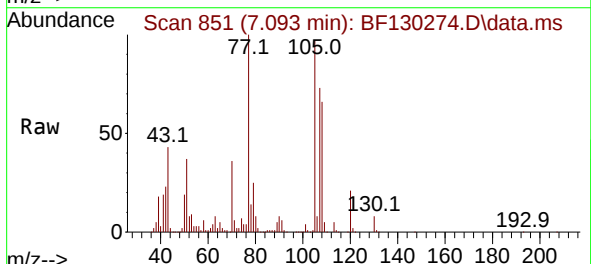
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.1	7.1	10.7
68	5.3	4.5	6.7

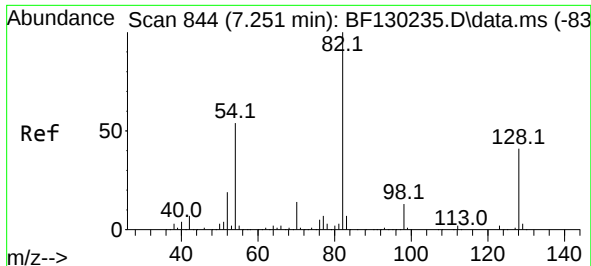


#22
Acetophenone
Concen: 45.845 ng
RT: 7.093 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:105 Resp: 448043

Ion	Ratio	Lower	Upper
105	100		
71	6.2	3.9	5.9
51	37.6	32.2	48.2
120	21.1	17.3	25.9

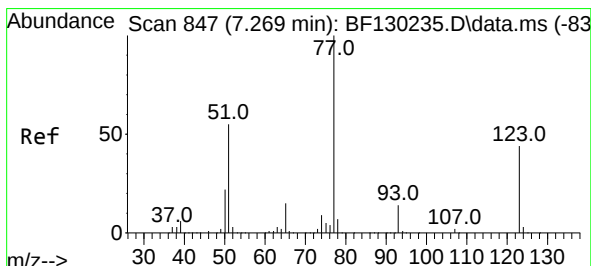
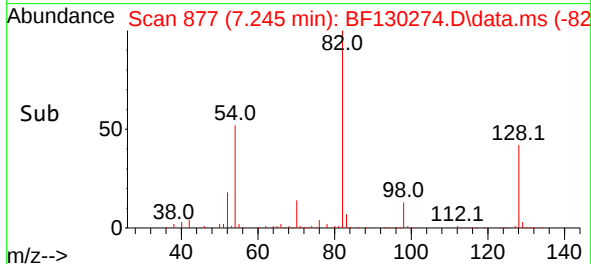
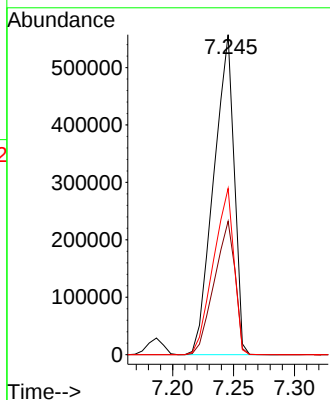
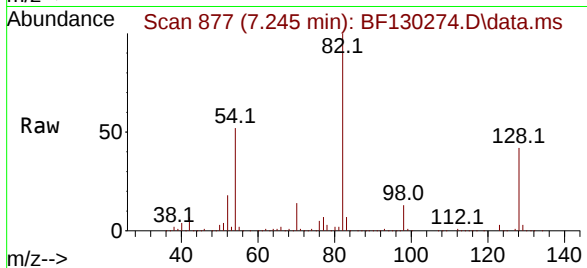




#23
Nitrobenzene-d5
Concen: 83.568 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

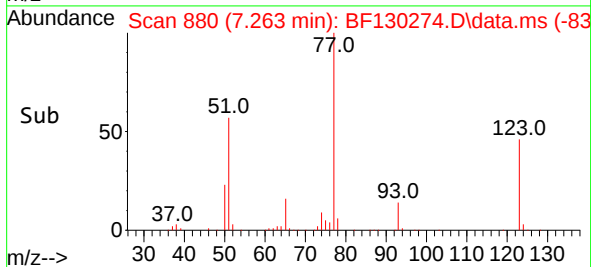
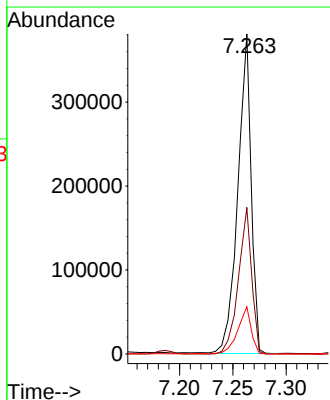
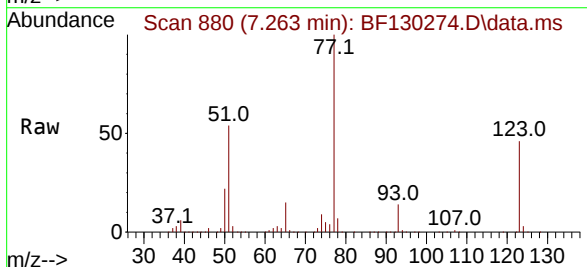
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

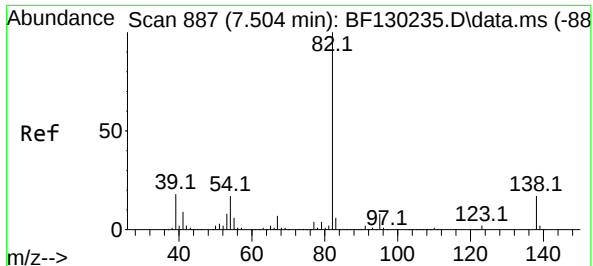
Tgt Ion: 82 Resp: 653876
Ion Ratio Lower Upper
82 100
128 41.7 32.6 49.0
54 51.9 43.8 65.6



#24
Nitrobenzene
Concen: 41.978 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 77 Resp: 333513
Ion Ratio Lower Upper
77 100
123 45.8 34.3 51.5
65 14.8 12.0 18.0

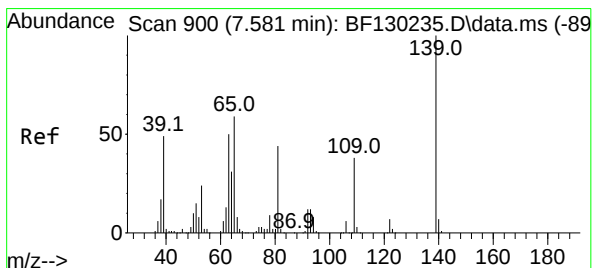
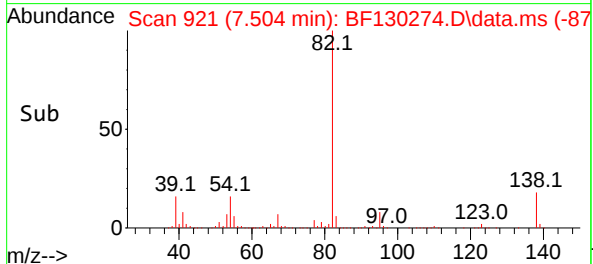
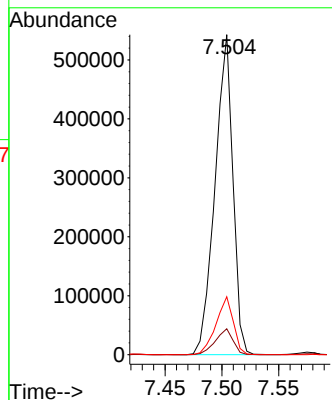
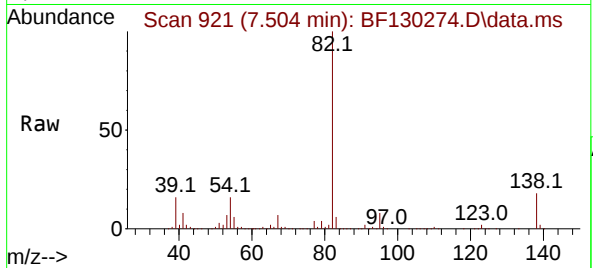




#25
Isophorone
Concen: 47.138 ng
RT: 7.504 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

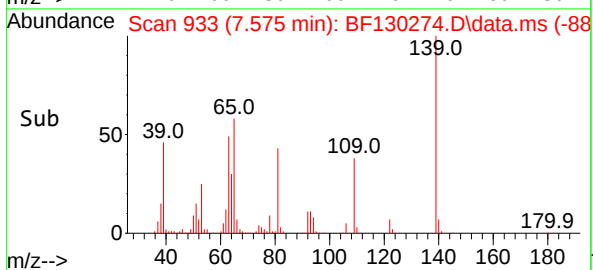
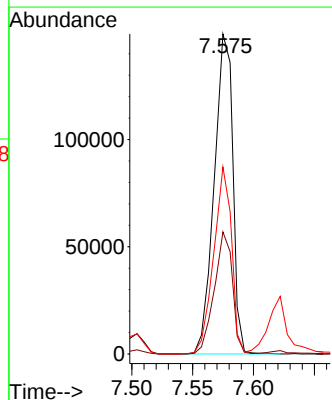
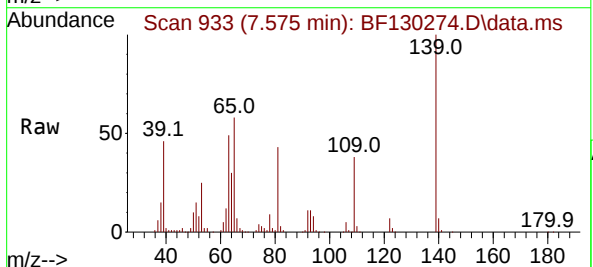
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

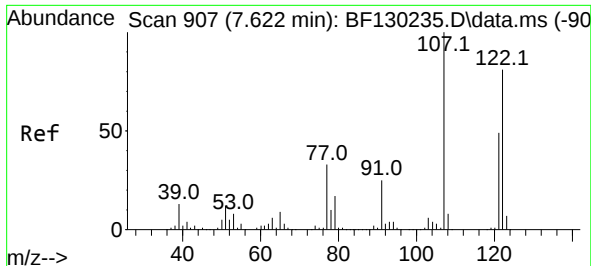
Tgt Ion: 82 Resp: 594467
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.1 13.8 20.6



#26
2-Nitrophenol
Concen: 48.666 ng
RT: 7.575 min Scan# 933
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 139 Resp: 158500
Ion Ratio Lower Upper
139 100
109 38.2 30.2 45.4
65 58.5 48.9 73.3





#27

2,4-Dimethylphenol

Concen: 52.877 ng

RT: 7.622 min Scan# 941

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

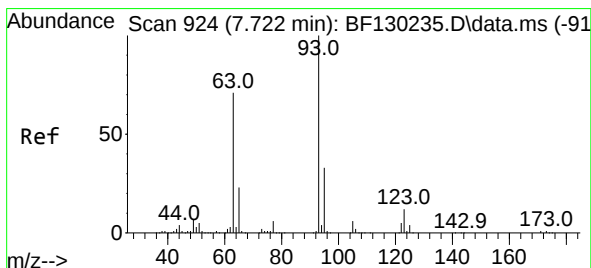
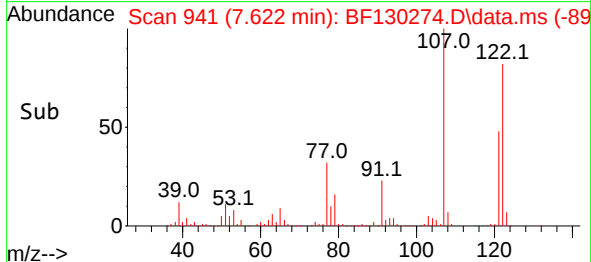
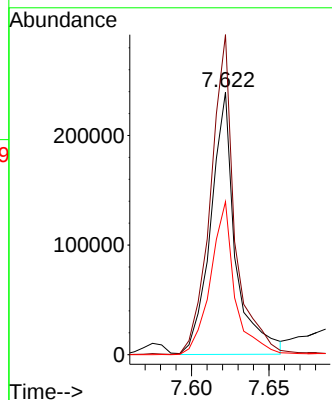
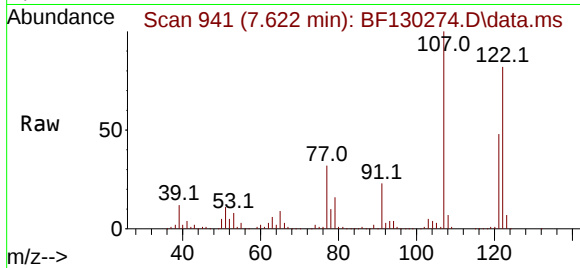
Tgt Ion:122 Resp: 265164

Ion Ratio Lower Upper

122 100

107 121.8 100.2 150.2

121 58.3 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 49.307 ng

RT: 7.716 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

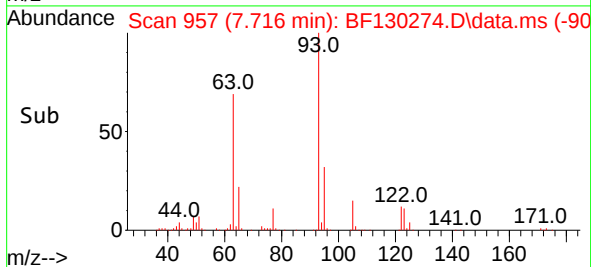
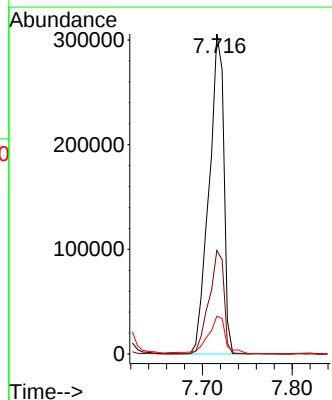
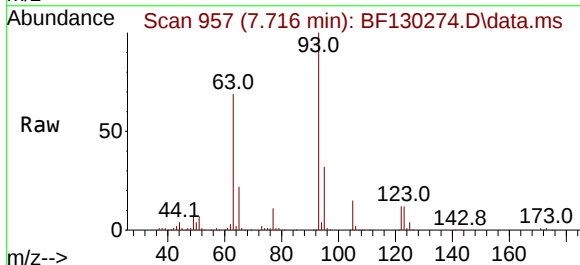
Tgt Ion: 93 Resp: 350136

Ion Ratio Lower Upper

93 100

95 32.4 26.3 39.5

123 11.8 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 45.656 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

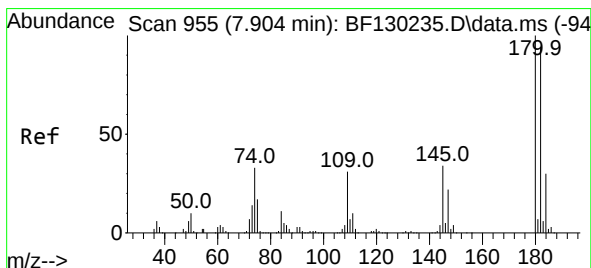
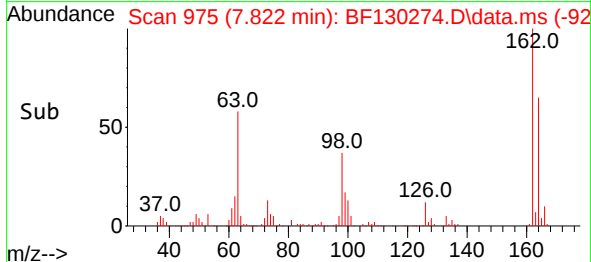
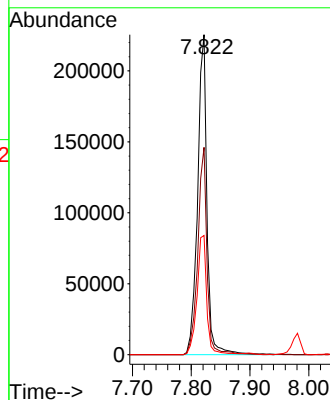
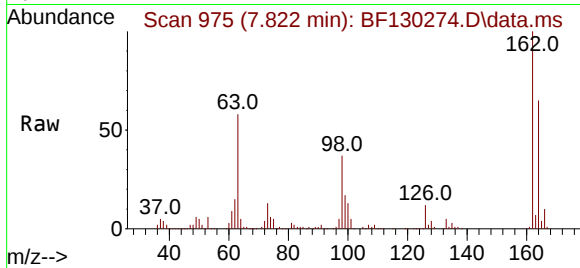
Tgt Ion:162 Resp: 250896

Ion Ratio Lower Upper

162 100

164 64.8 42.2 82.2

98 37.3 21.7 61.7



#30

1,2,4-Trichlorobenzene

Concen: 42.708 ng

RT: 7.898 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

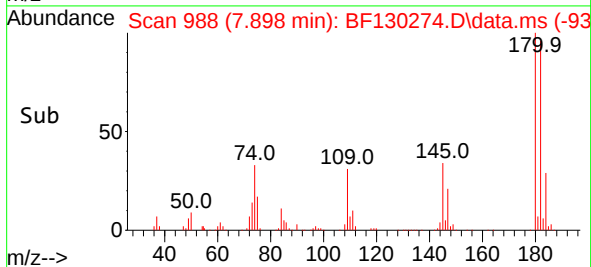
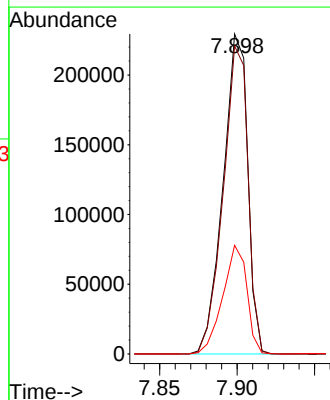
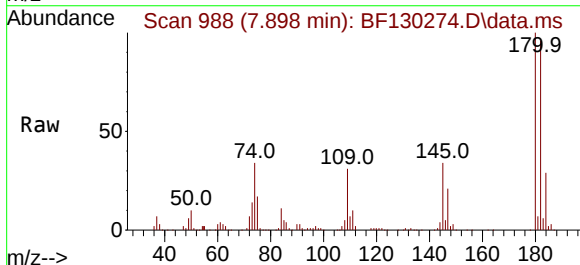
Tgt Ion:180 Resp: 253741

Ion Ratio Lower Upper

180 100

182 96.2 73.3 109.9

145 33.9 28.3 42.5

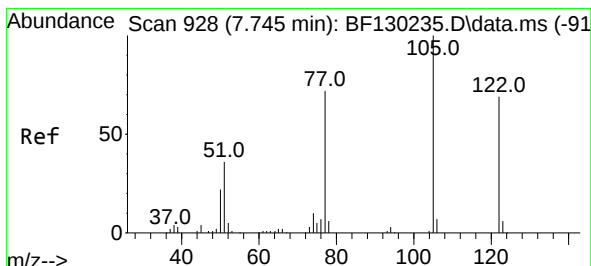
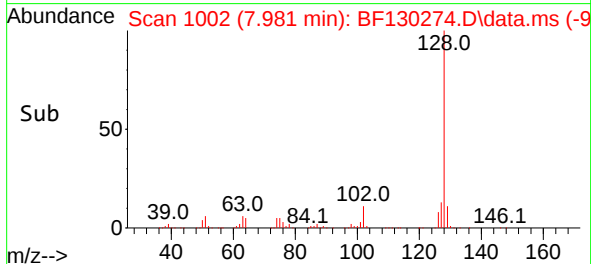
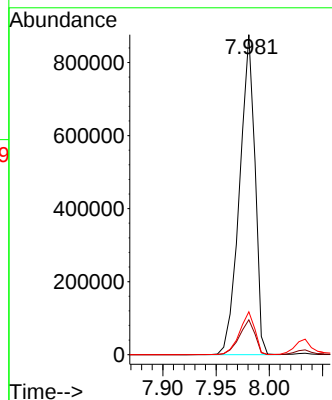
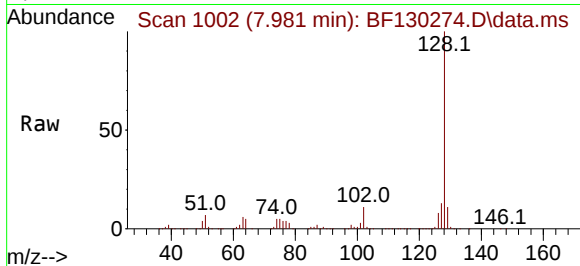




#31
Naphthalene
Concen: 42.983 ng
RT: 7.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

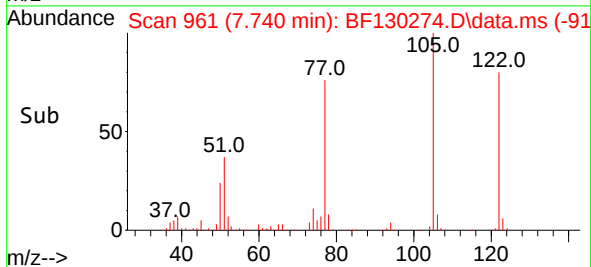
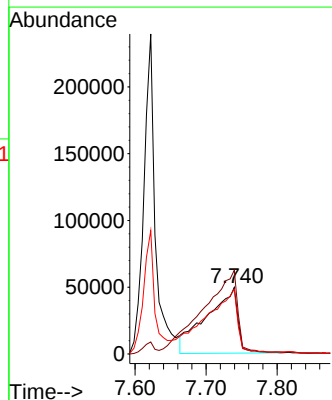
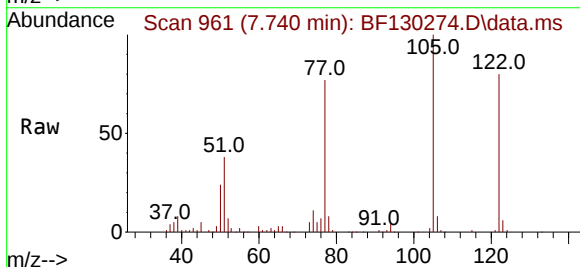
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

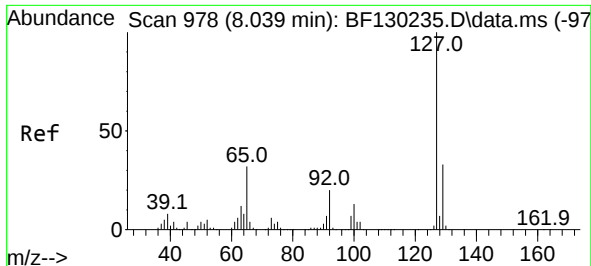
Tgt Ion:128 Resp: 885202
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 38.689 ng
RT: 7.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:122 Resp: 150036
Ion Ratio Lower Upper
122 100
105 125.6 112.9 152.9
77 97.1 82.8 122.8

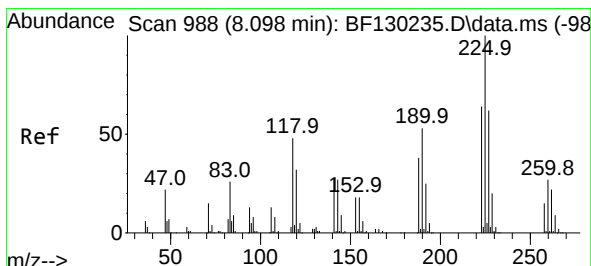
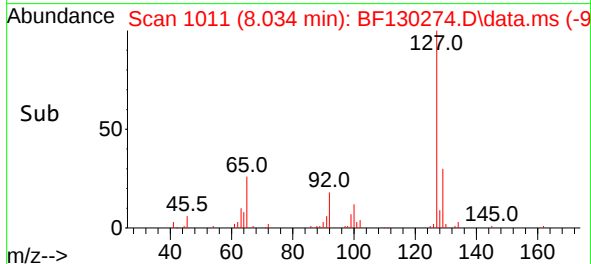
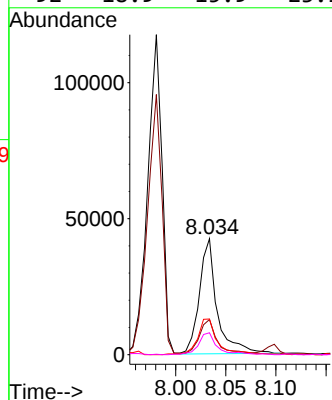
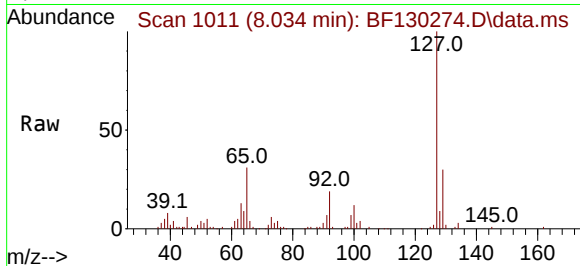




#33
4-Chloroaniline
Concen: 6.695 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

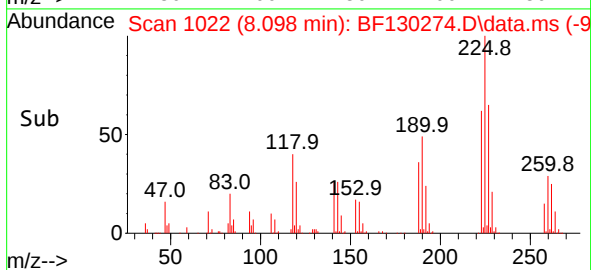
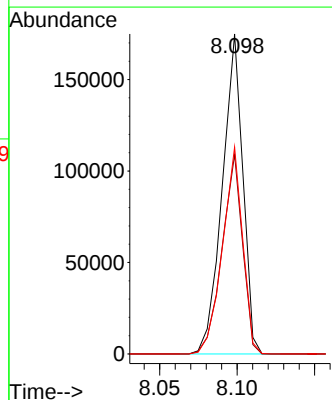
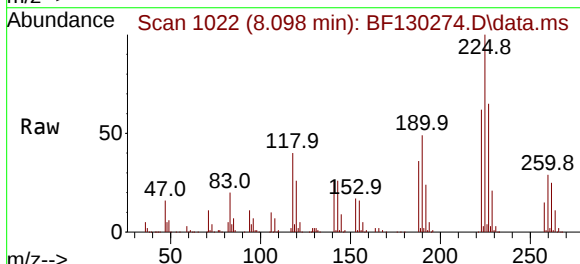
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

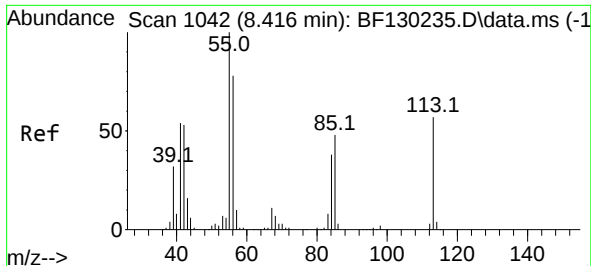
Tgt Ion:	127	Resp:	52441
Ion Ratio	Lower	Upper	
127	100		
129	30.4	25.6	38.4
65	30.7	27.0	40.6
92	18.9	15.9	23.9



#34
Hexachlorobutadiene
Concen: 42.382 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:	225	Resp:	160926
Ion Ratio	Lower	Upper	
225	100		
223	62.3	50.3	75.5
227	64.7	51.1	76.7

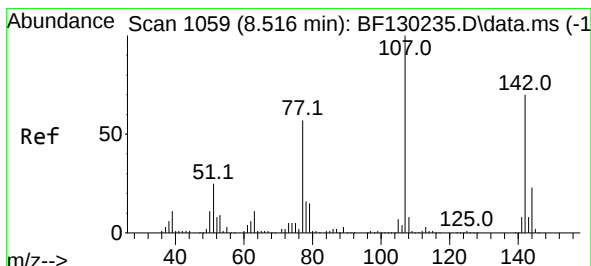
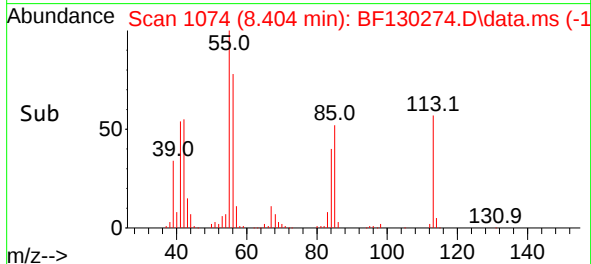
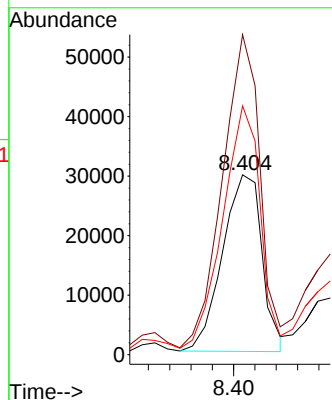
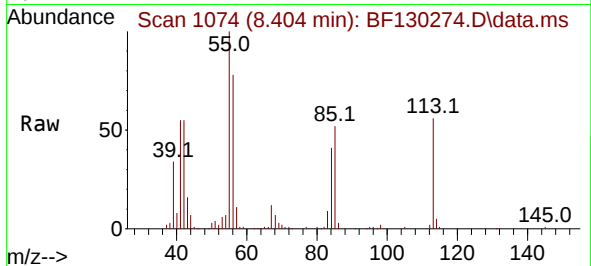




#35
 Caprolactam
 Concen: 24.299 ng
 RT: 8.404 min Scan# 1074
 Delta R.T. -0.012 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

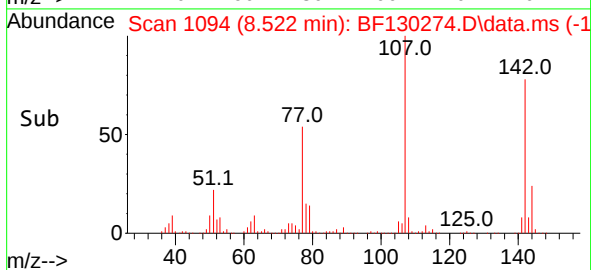
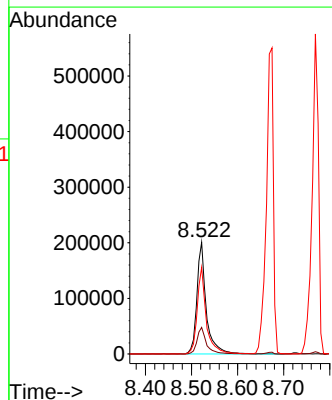
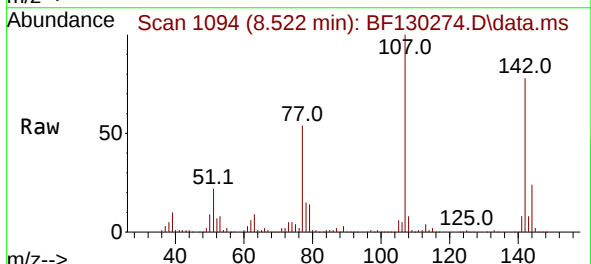
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS

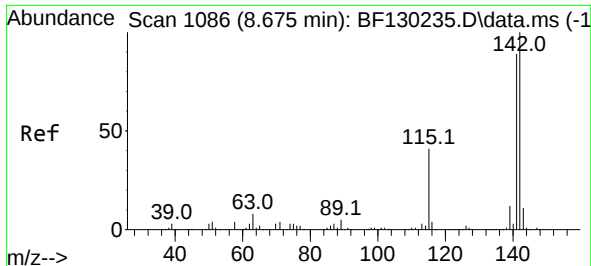
Tgt Ion:	113	Resp:	38281
Ion Ratio	Lower	Upper	
113	100		
55	177.9	155.4	195.4
56	138.3	120.4	160.4



#36
 4-Chloro-3-methylphenol
 Concen: 46.579 ng
 RT: 8.522 min Scan# 1094
 Delta R.T. 0.006 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

Tgt Ion:	107	Resp:	283721
Ion Ratio	Lower	Upper	
107	100		
144	23.8	20.0	30.0
142	77.5	61.3	91.9

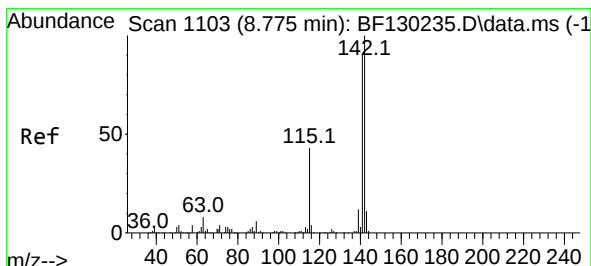
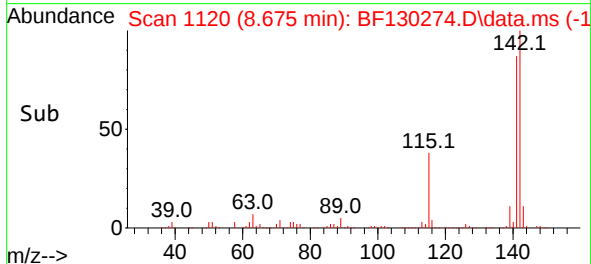
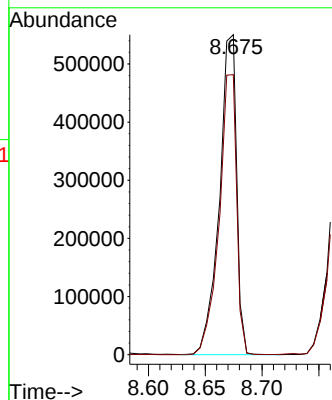
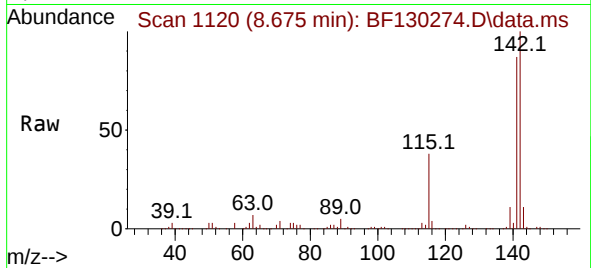




#37
2-Methylnaphthalene
Concen: 44.414 ng
RT: 8.675 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

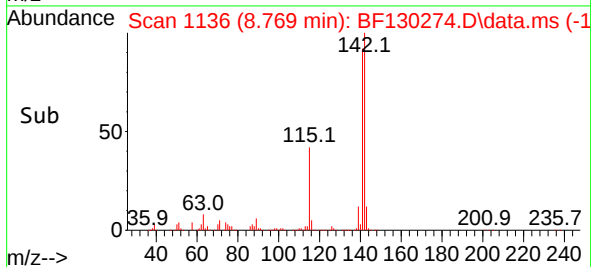
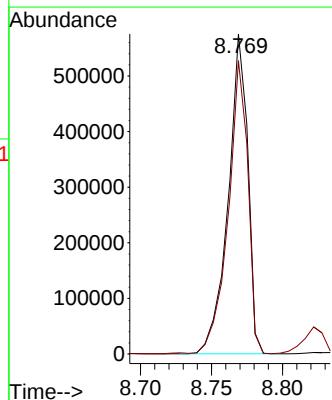
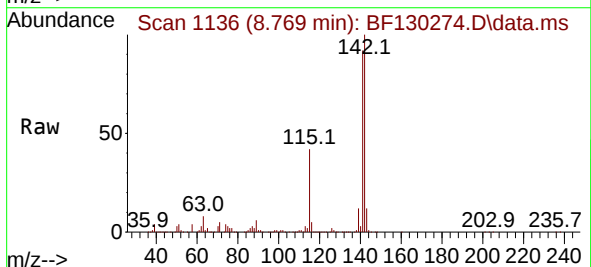
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

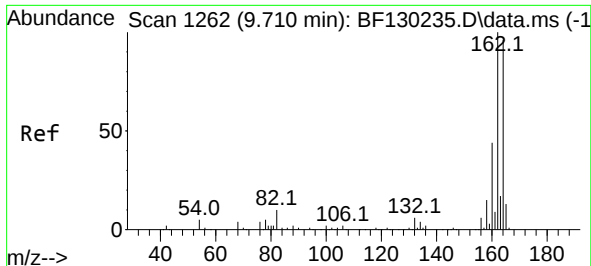
Tgt Ion:142 Resp: 583180
Ion Ratio Lower Upper
142 100
141 87.5 70.0 105.0



#38
1-Methylnaphthalene
Concen: 43.681 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:142 Resp: 550982
Ion Ratio Lower Upper
142 100
141 91.6 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: BF130274.D

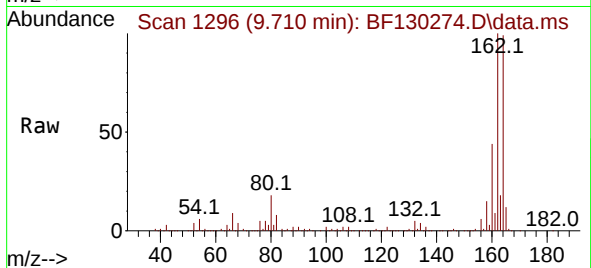
Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS



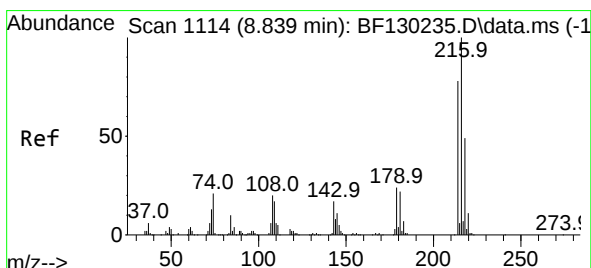
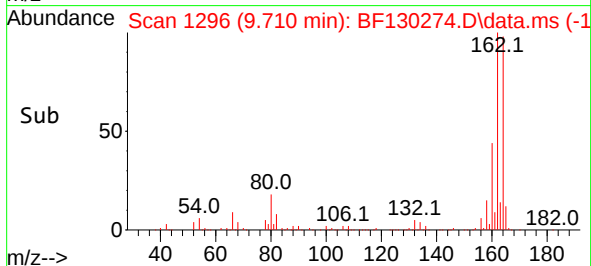
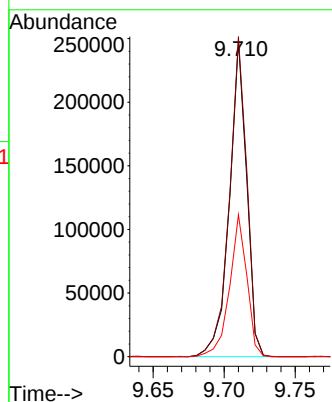
Tgt Ion:164 Resp: 209023

Ion Ratio Lower Upper

164 100

162 101.3 81.4 122.0

160 44.9 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.981 ng

RT: 8.839 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Tgt Ion:216 Resp: 262292

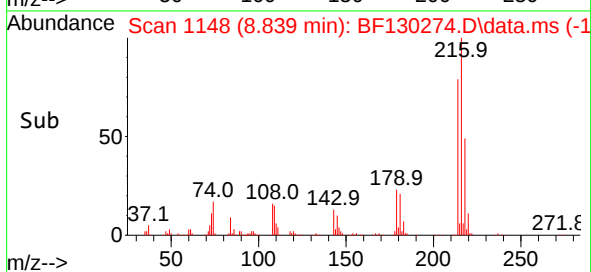
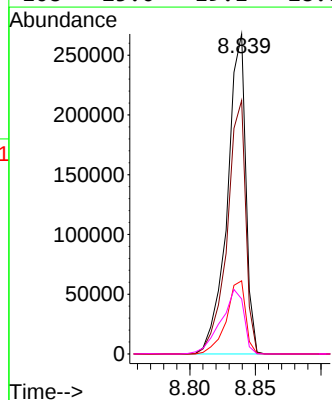
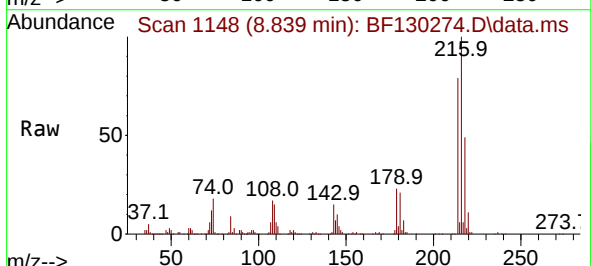
Ion Ratio Lower Upper

216 100

214 79.2 62.8 94.2

179 23.7 19.5 29.3

108 25.0 19.1 28.7

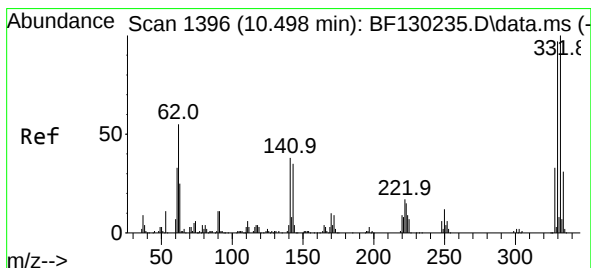
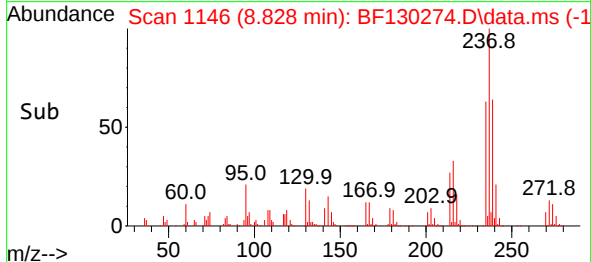
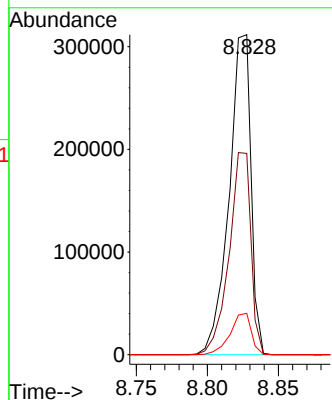
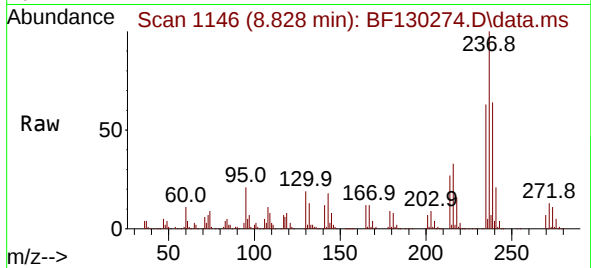




#41
Hexachlorocyclopentadiene
Concen: 109.655 ng
RT: 8.828 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

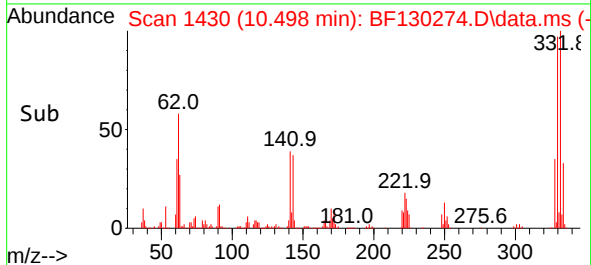
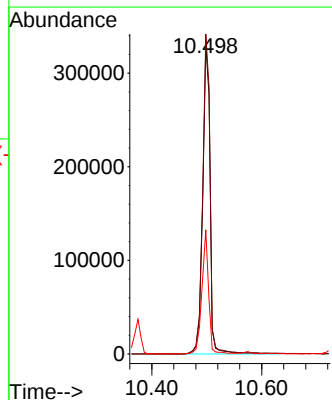
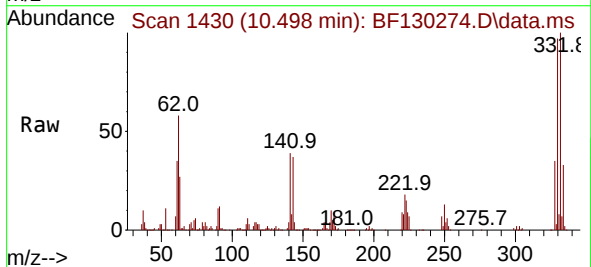
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

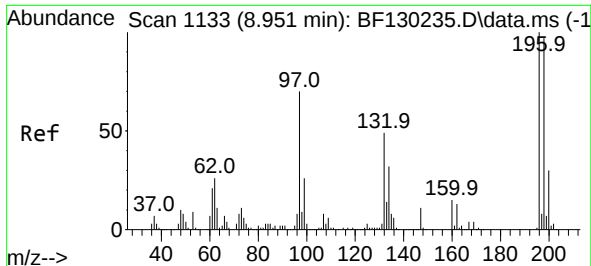
Tgt Ion:237 Resp: 334893
Ion Ratio Lower Upper
237 100
235 62.9 42.5 82.5
272 12.9 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 154.782 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:330 Resp: 310003
Ion Ratio Lower Upper
330 100
332 104.0 83.4 125.2
141 36.8 34.0 51.0





#43

2,4,6-Trichlorophenol

Concen: 44.906 ng

RT: 8.951 min Scan# 1133

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

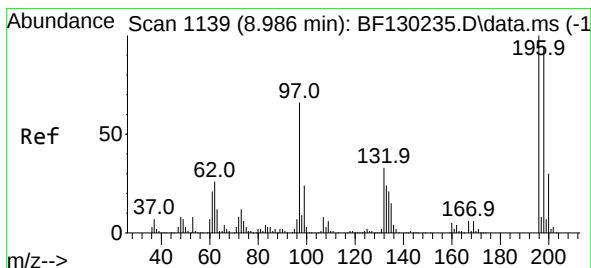
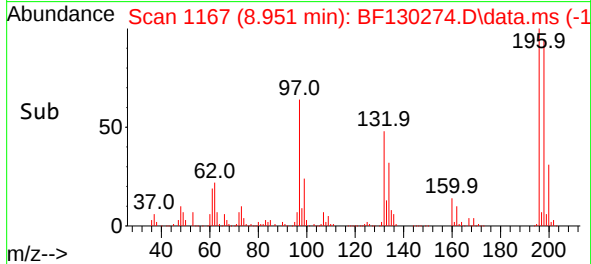
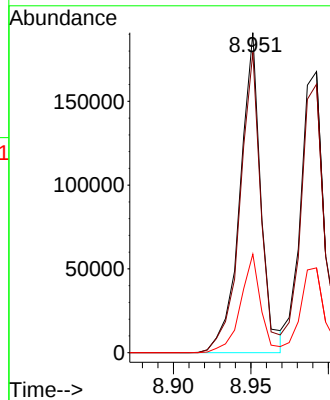
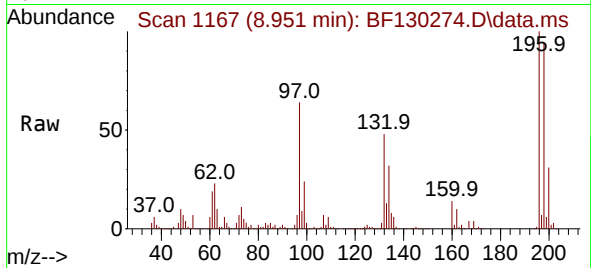
Tgt Ion:196 Resp: 178775

Ion Ratio Lower Upper

196 100

198 93.8 72.4 108.6

200 30.8 23.8 35.6



#44

2,4,5-Trichlorophenol

Concen: 45.151 ng

RT: 8.992 min Scan# 1174

Delta R.T. 0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Tgt Ion:196 Resp: 193973

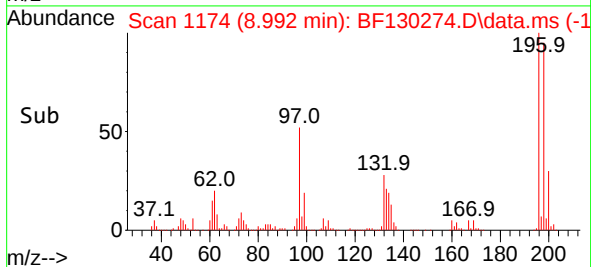
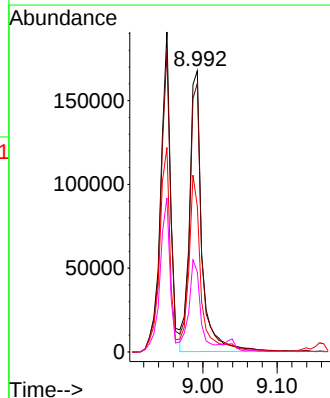
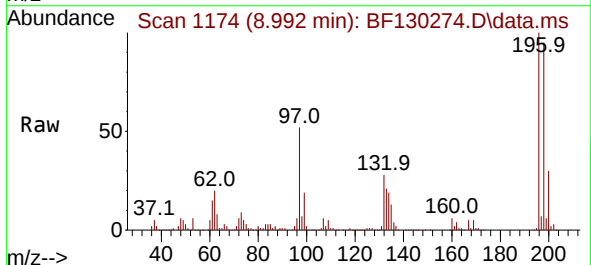
Ion Ratio Lower Upper

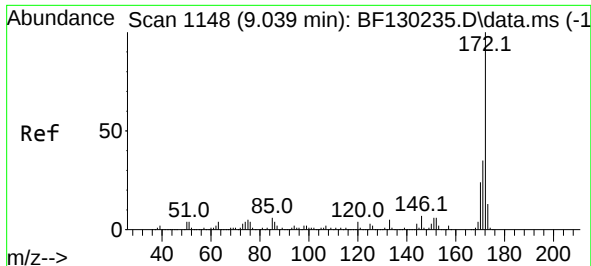
196 100

198 95.5 74.8 112.2

97 51.8 43.7 65.5

132 28.4 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 84.209 ng

RT: 9.039 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

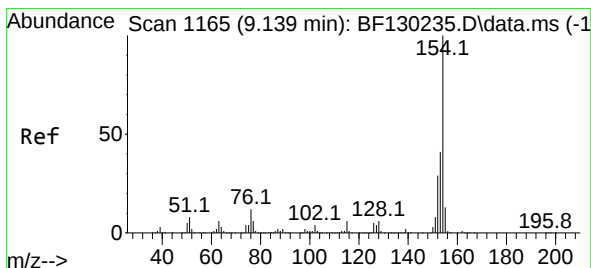
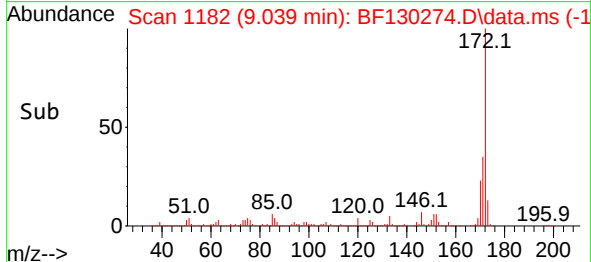
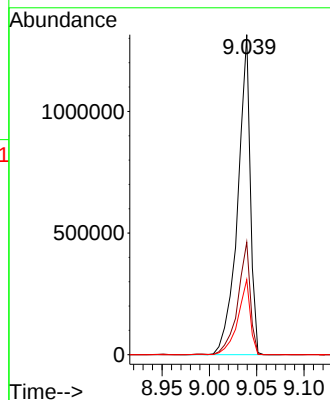
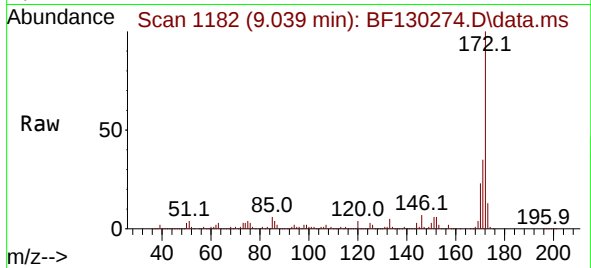
Tgt Ion:172 Resp: 1208740

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 45.665 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

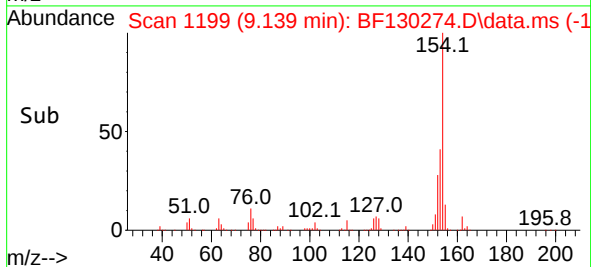
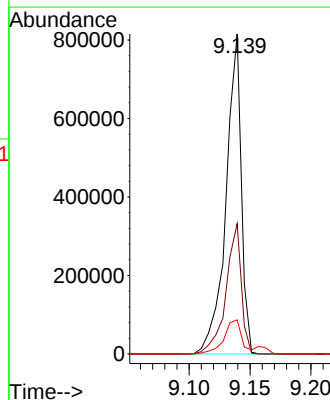
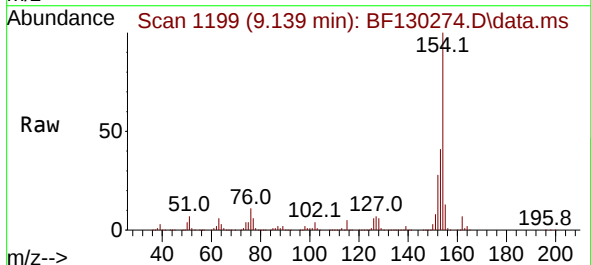
Tgt Ion:154 Resp: 712871

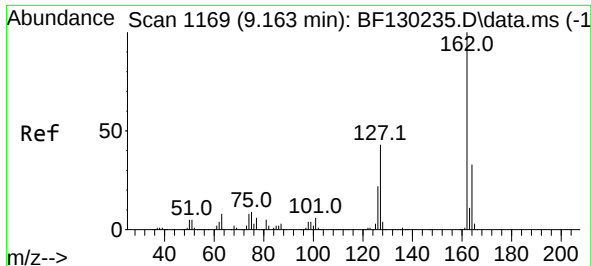
Ion Ratio Lower Upper

154 100

153 40.7 20.0 60.0

76 10.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 43.938 ng

RT: 9.157 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

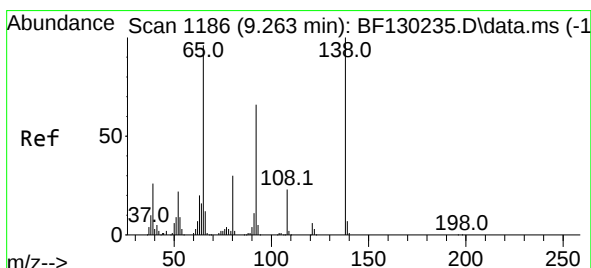
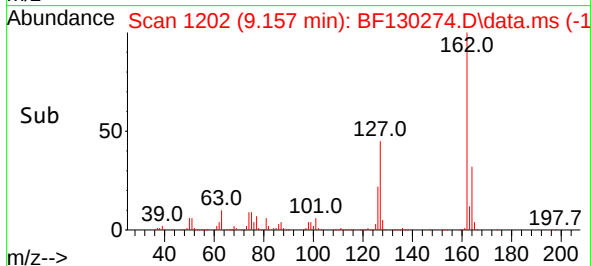
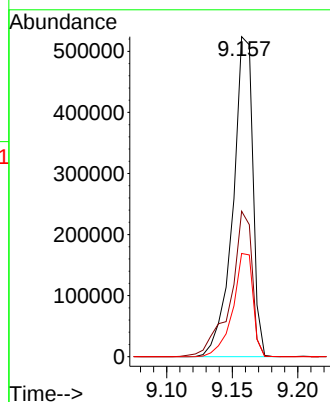
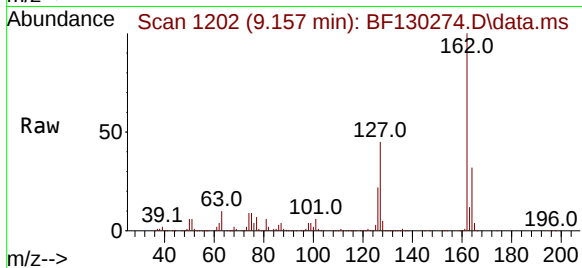
Tgt Ion:162 Resp: 554858

Ion Ratio Lower Upper

162 100

127 45.5 35.9 53.9

164 32.3 26.2 39.2



#48

2-Nitroaniline

Concen: 44.308 ng

RT: 9.263 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

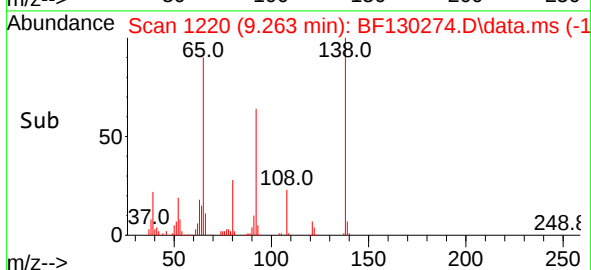
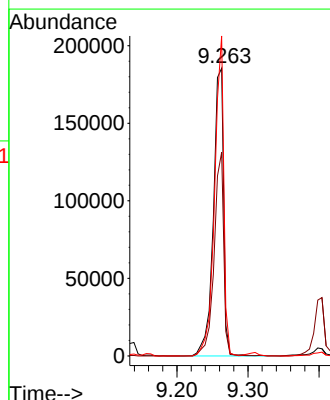
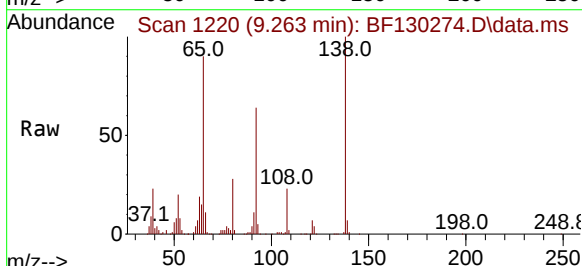
Tgt Ion: 65 Resp: 186621

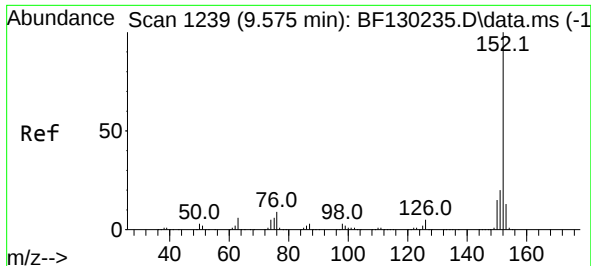
Ion Ratio Lower Upper

65 100

92 70.8 52.2 78.4

138 111.2 77.0 115.4





#49

Acenaphthylene

Concen: 44.373 ng

RT: 9.575 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

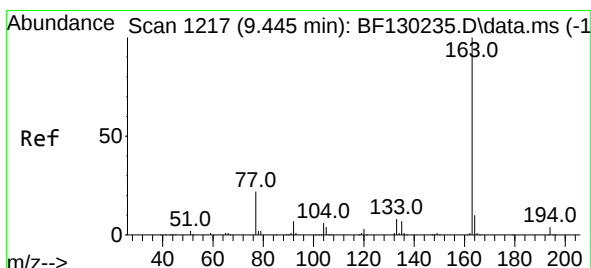
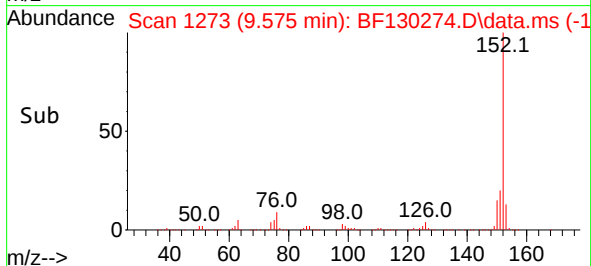
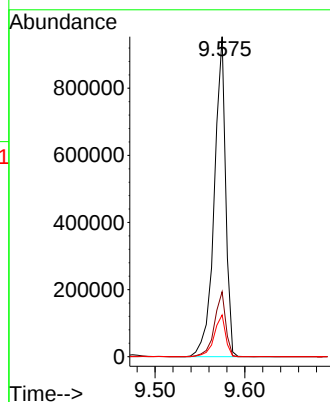
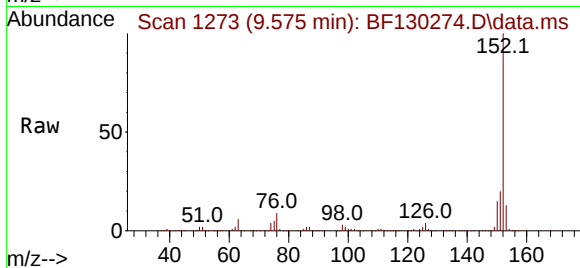
Tgt Ion:152 Resp: 840159

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 45.172 ng

RT: 9.445 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

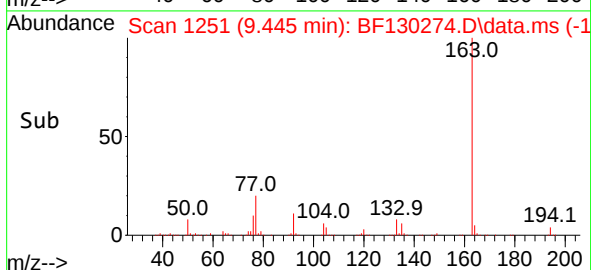
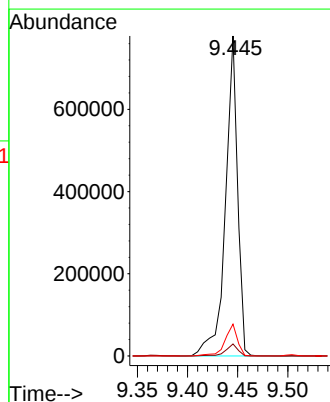
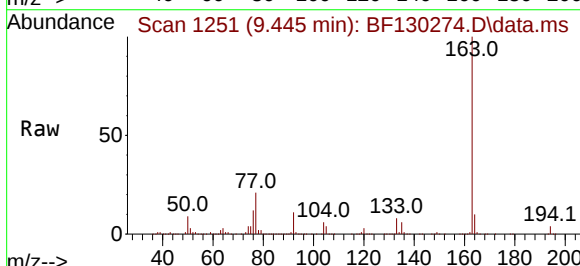
Tgt Ion:163 Resp: 652217

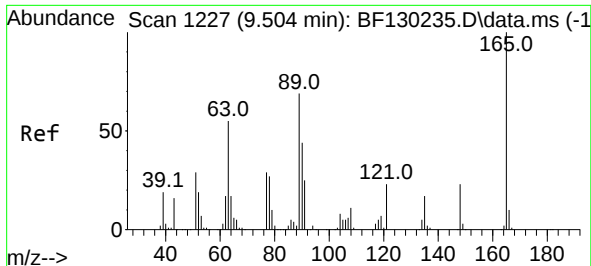
Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

164 10.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 47.657 ng

RT: 9.504 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

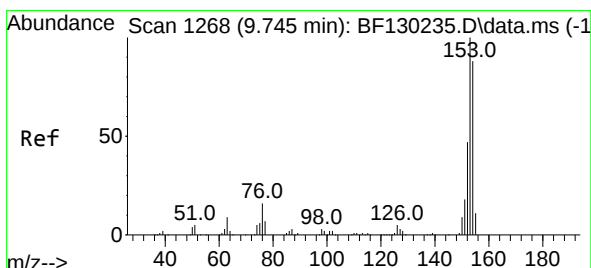
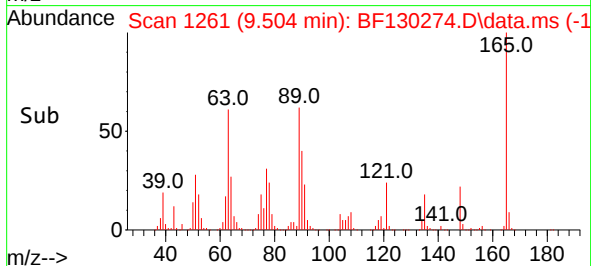
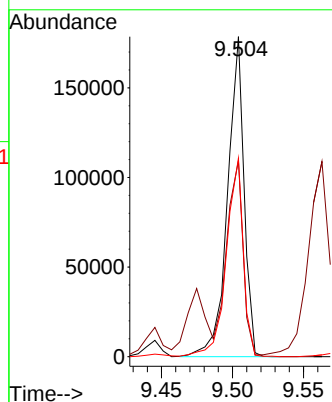
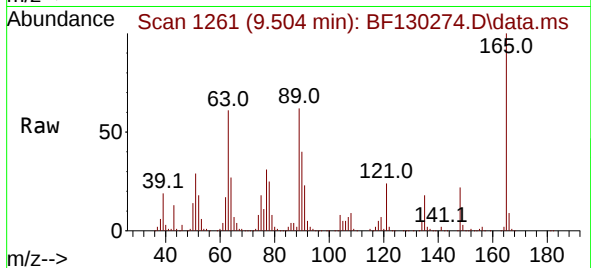
Tgt Ion:165 Resp: 143907

Ion Ratio Lower Upper

165 100

63 61.3 58.8 88.2

89 62.0 54.5 81.7



#52

Acenaphthene

Concen: 41.077 ng

RT: 9.745 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

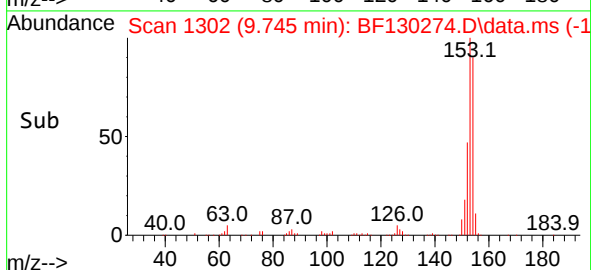
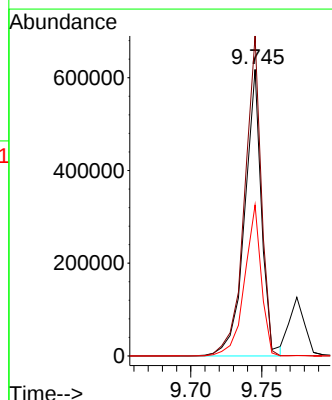
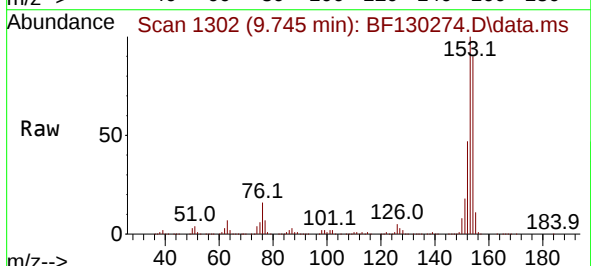
Tgt Ion:154 Resp: 511006

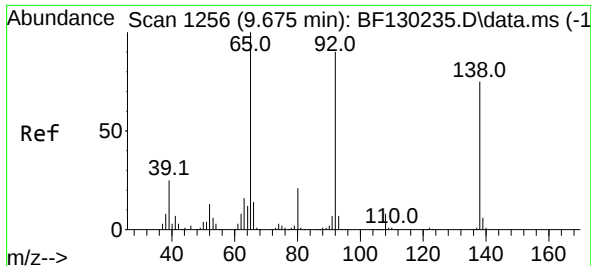
Ion Ratio Lower Upper

154 100

153 111.7 90.6 136.0

152 52.7 43.8 65.6

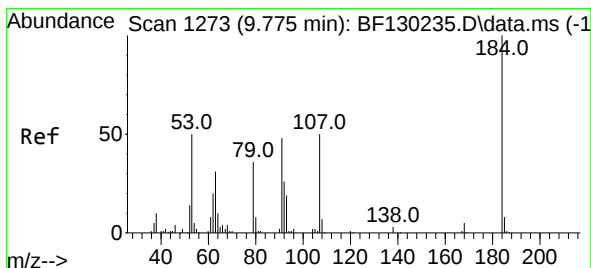
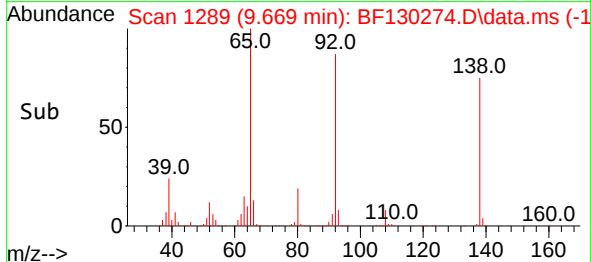
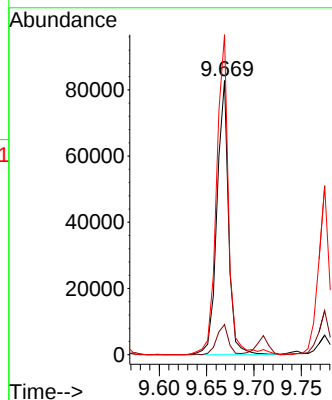
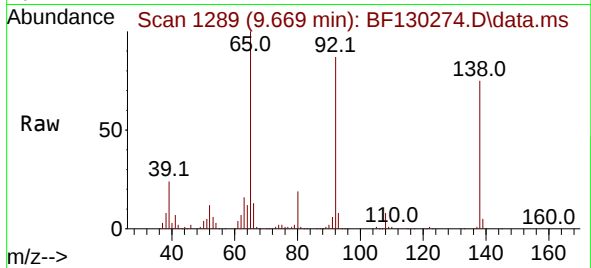




#53
3-Nitroaniline
Concen: 20.862 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

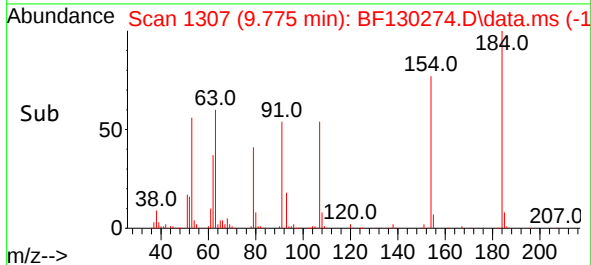
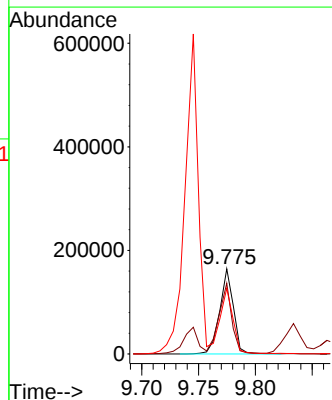
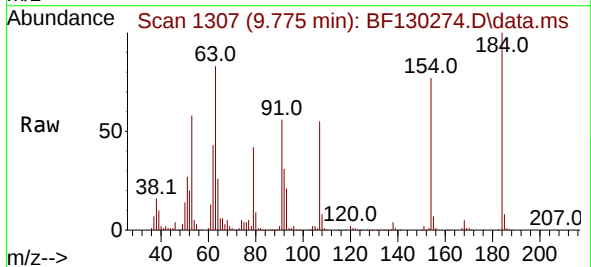
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

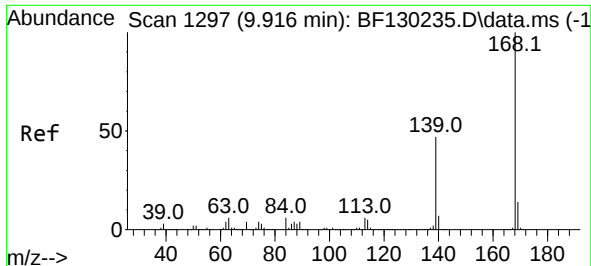
Tgt Ion:138 Resp: 70196
Ion Ratio Lower Upper
138 100
108 11.0 9.2 13.8
92 116.7 99.2 148.8



#54
2,4-Dinitrophenol
Concen: 84.181 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:184 Resp: 138472
Ion Ratio Lower Upper
184 100
63 83.1 70.0 105.0
154 77.1 63.0 94.6

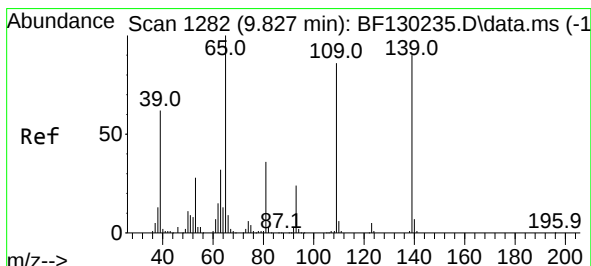
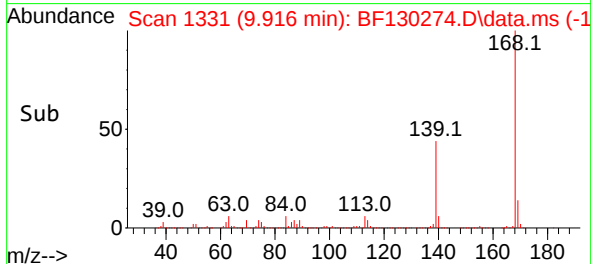
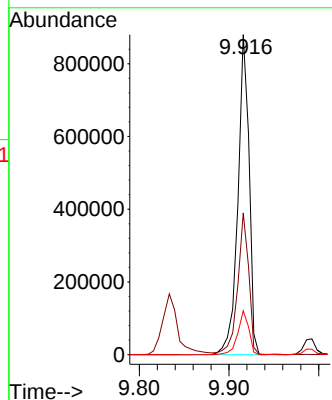
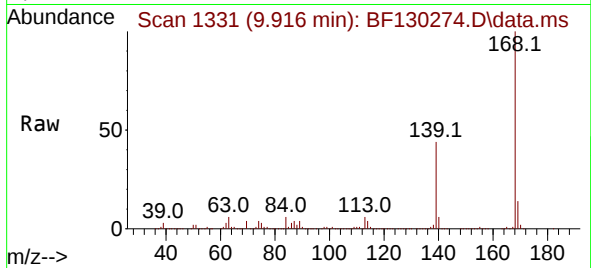




#55
Dibenzenofuran
Concen: 44.060 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

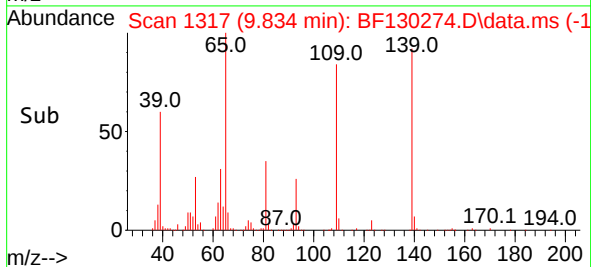
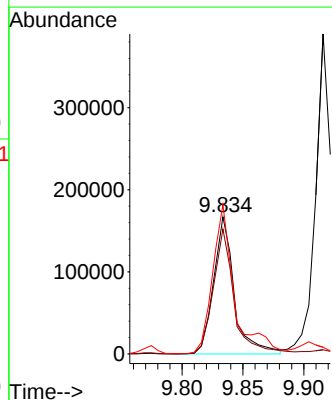
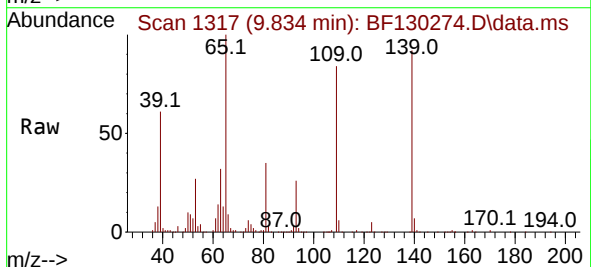
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

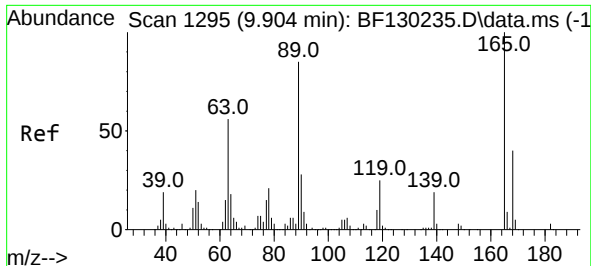
Tgt Ion:168 Resp: 762383
Ion Ratio Lower Upper
168 100
139 44.3 35.0 52.4
169 13.7 10.9 16.3



#56
4-Nitrophenol
Concen: 80.931 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:139 Resp: 198338
Ion Ratio Lower Upper
139 100
109 91.0 72.2 112.2
65 108.8 97.7 137.7

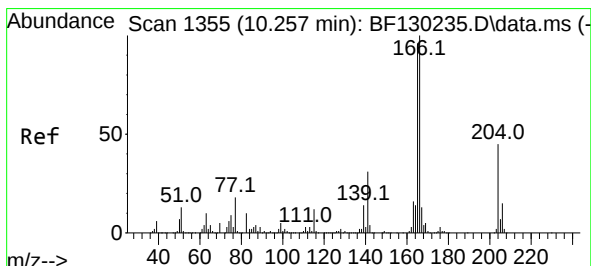
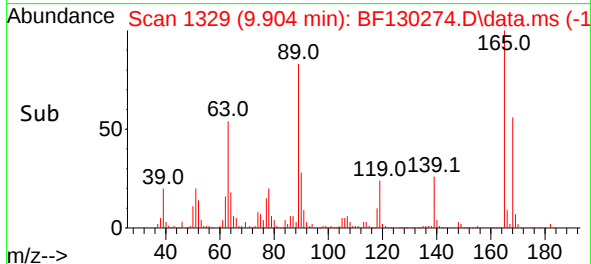
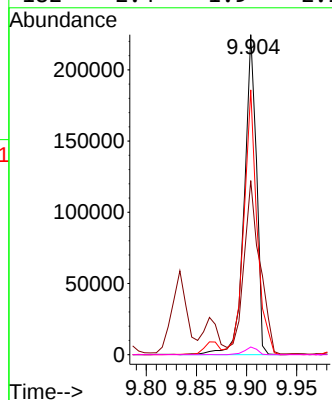
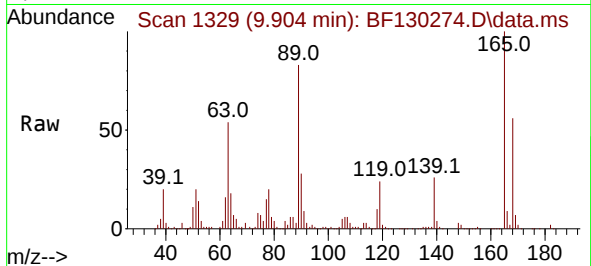




#57
2,4-Dinitrotoluene
Concen: 49.625 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

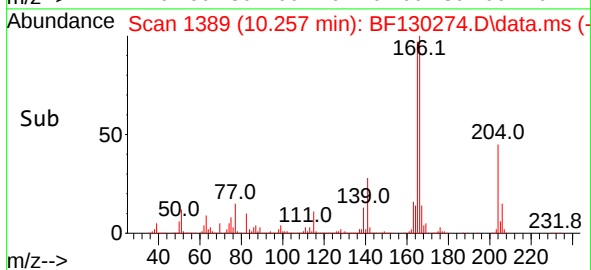
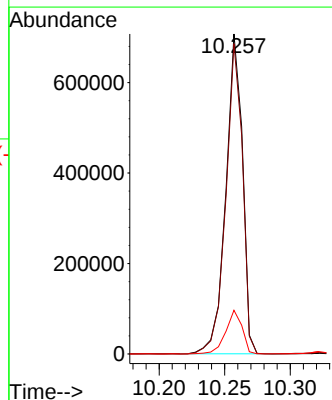
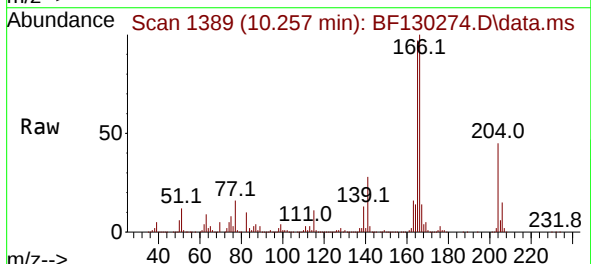
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

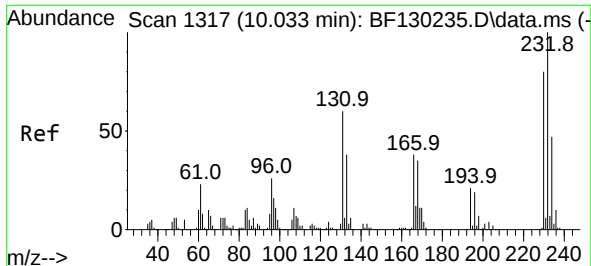
Tgt Ion:165 Resp: 191509
Ion Ratio Lower Upper
165 100
63 54.4 44.7 67.1
89 82.7 69.0 103.4
182 2.4 1.9 2.9



#58
Fluorene
Concen: 44.176 ng
RT: 10.257 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:166 Resp: 625139
Ion Ratio Lower Upper
166 100
165 97.0 78.8 118.2
167 13.7 10.6 15.8



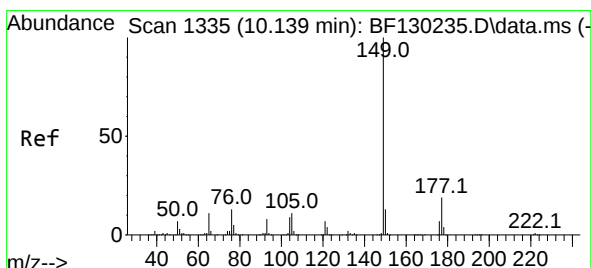
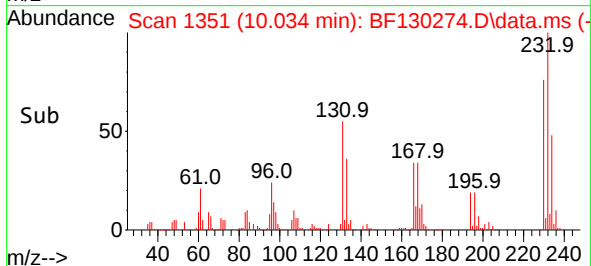
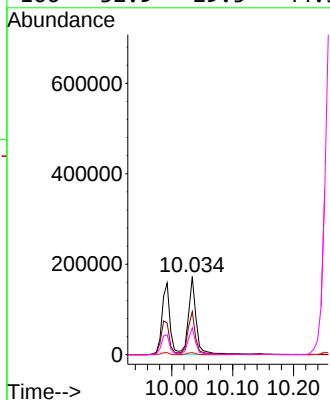
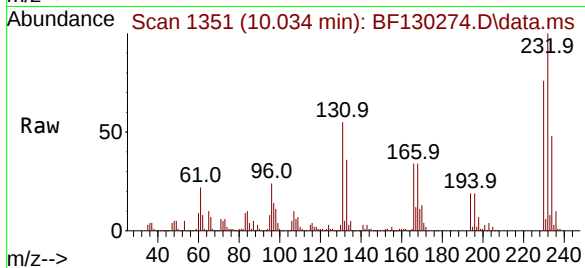


#59
2,3,4,6-Tetrachlorophenol
Concen: 45.389 ng
RT: 10.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

Tgt Ion:232 Resp: 152625

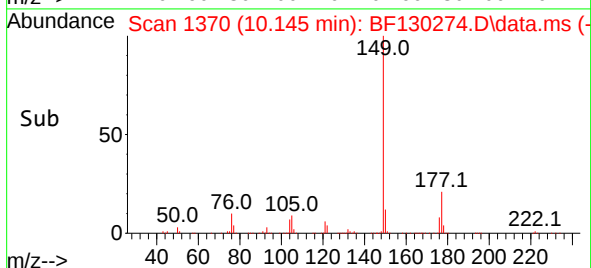
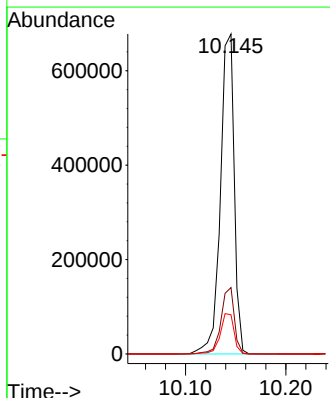
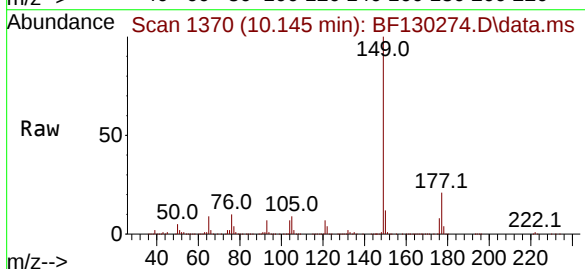
Ion	Ratio	Lower	Upper
232	100		
131	55.6	46.4	69.6
130	2.9	2.3	3.5
166	32.9	29.5	44.3

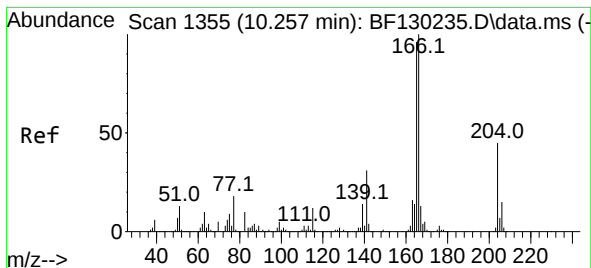


#60
Diethylphthalate
Concen: 44.660 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:149 Resp: 646626

Ion	Ratio	Lower	Upper
149	100		
177	20.8	16.1	24.1
150	12.3	9.9	14.9

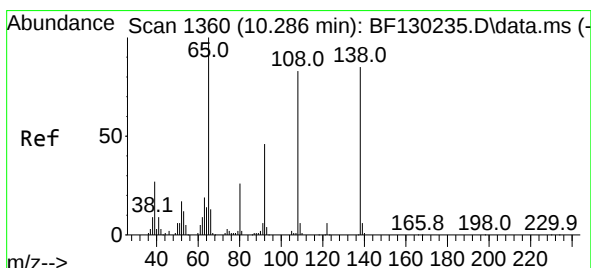
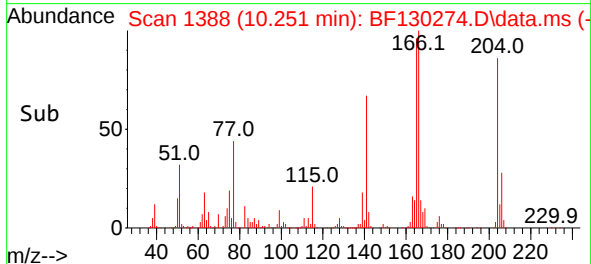
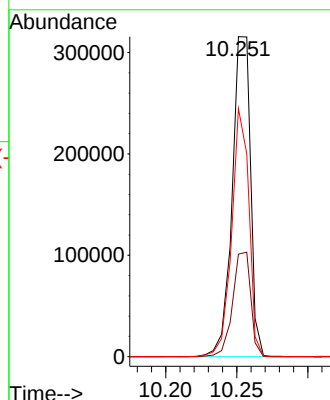
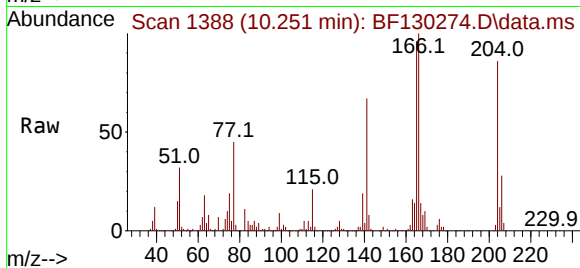




#61
4-Chlorophenyl-phenylether
Concen: 45.966 ng
RT: 10.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

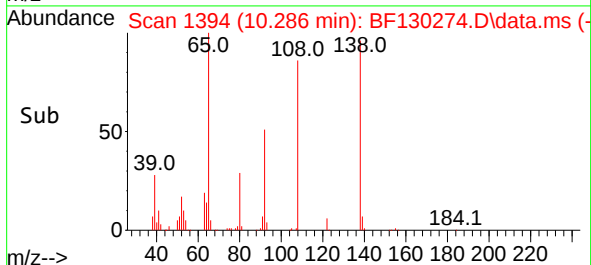
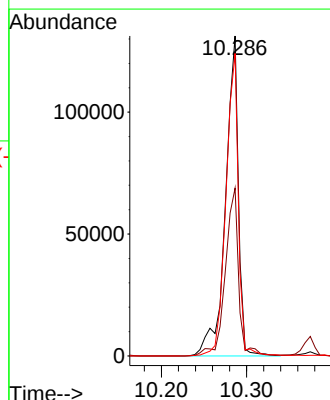
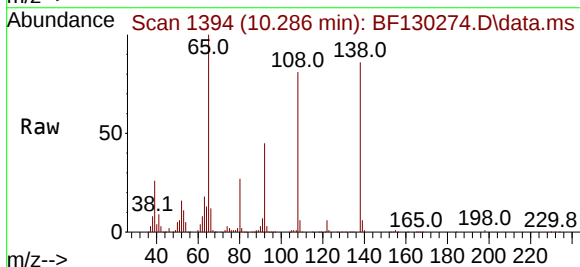
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

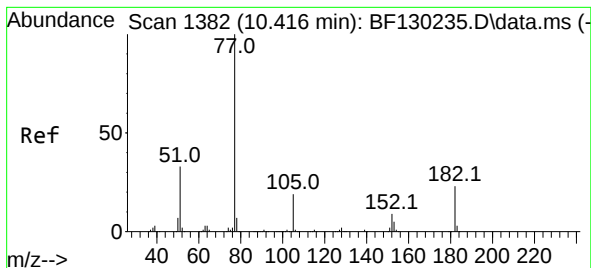
Tgt Ion:204 Resp: 285350
Ion Ratio Lower Upper
204 100
206 32.1 26.6 39.8
141 77.6 57.1 85.7



#62
4-Nitroaniline
Concen: 41.060 ng
RT: 10.286 min Scan# 1394
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:138 Resp: 138788
Ion Ratio Lower Upper
138 100
92 52.5 36.7 76.7
108 94.6 78.2 118.2





#63

Azobenzene

Concen: 41.718 ng

RT: 10.416 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion: 77 Resp: 621975

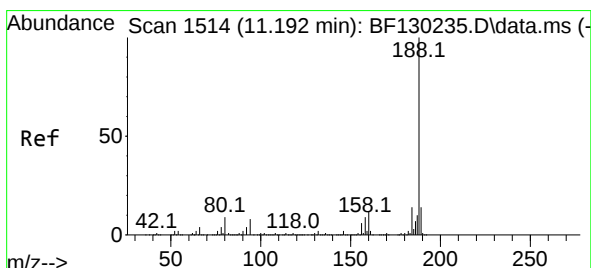
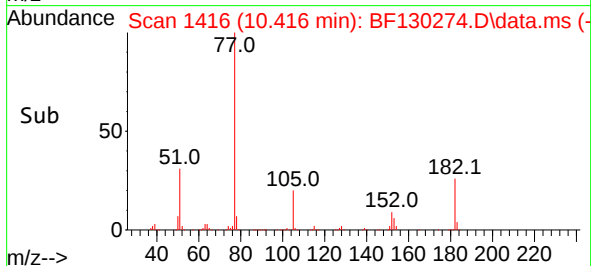
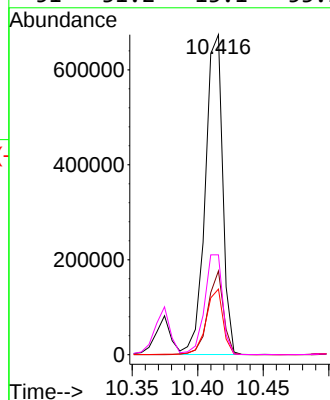
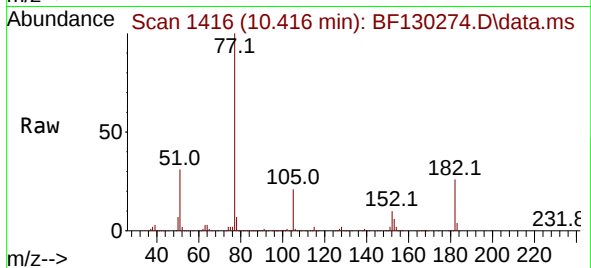
Ion Ratio Lower Upper

77 100

182 26.2 2.1 42.1

105 20.5 0.0 39.4

51 31.2 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: BF130274.D

Acq: 15 Sep 2022 16:42

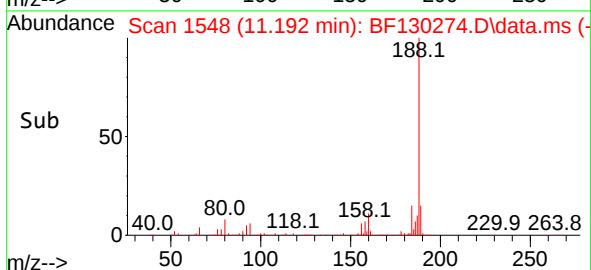
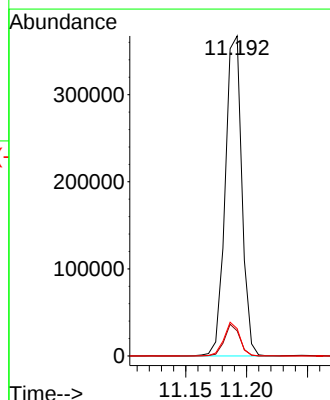
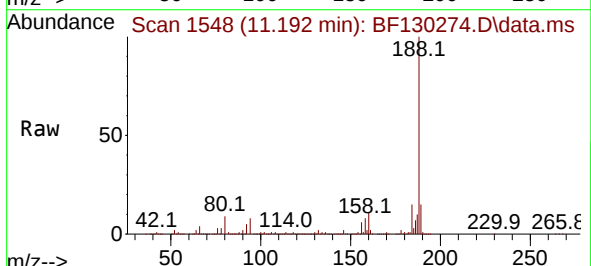
Tgt Ion:188 Resp: 349547

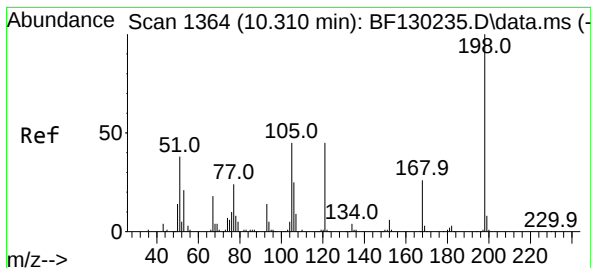
Ion Ratio Lower Upper

188 100

94 7.9 7.4 11.2

80 8.5 7.9 11.9

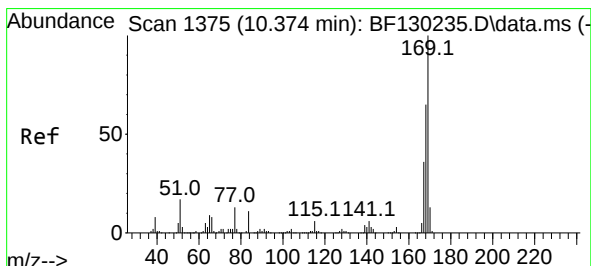
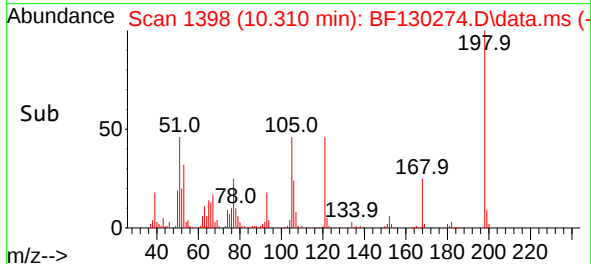
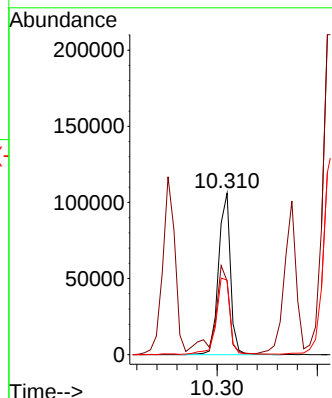
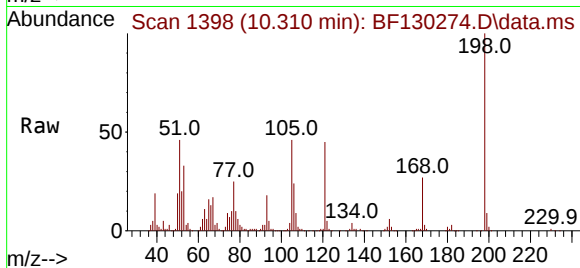




#65
4,6-Dinitro-2-methylphenol
Concen: 44.774 ng
RT: 10.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

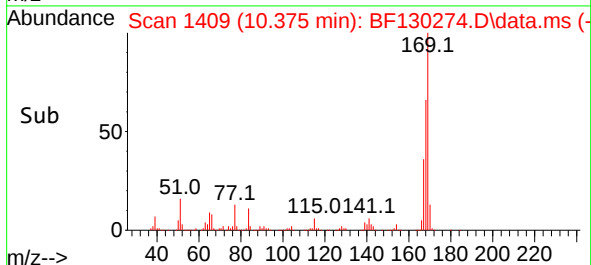
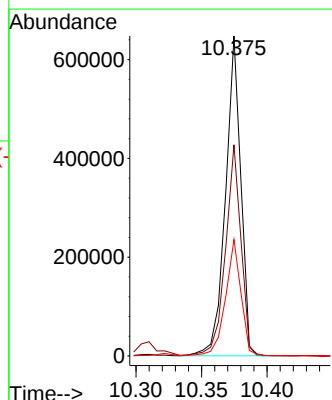
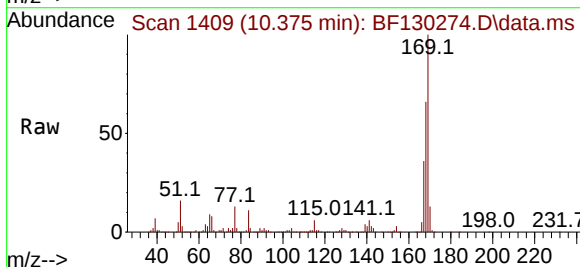
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

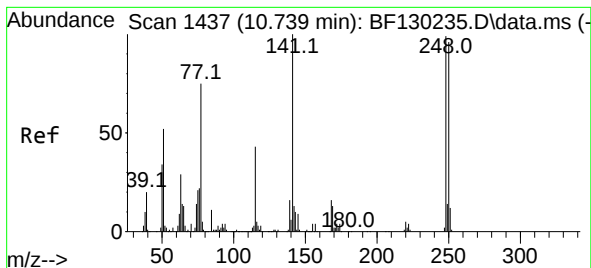
Tgt Ion:198 Resp: 87122
Ion Ratio Lower Upper
198 100
51 45.6 36.9 76.9
105 46.2 33.0 73.0



#66
n-Nitrosodiphenylamine
Concen: 44.797 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:169 Resp: 523269
Ion Ratio Lower Upper
169 100
168 66.0 53.2 79.8
167 36.4 29.2 43.8

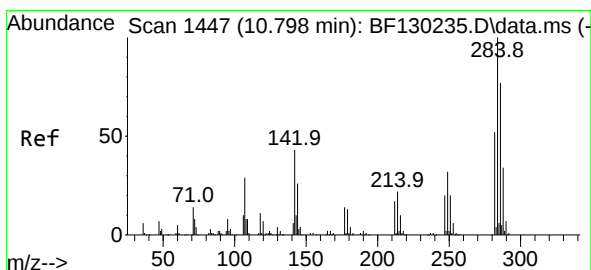
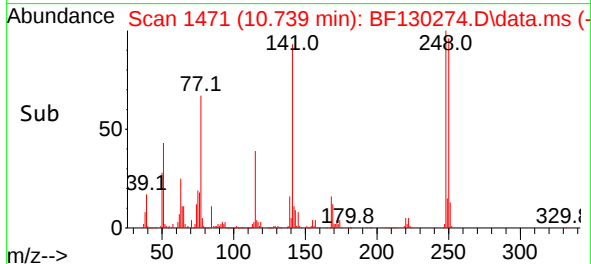
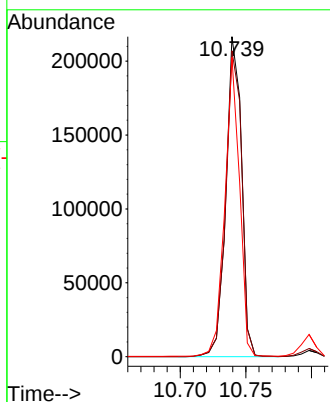
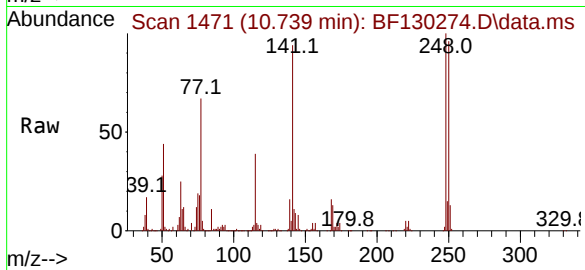




#67
4-Bromophenyl-phenylether
Concen: 46.497 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

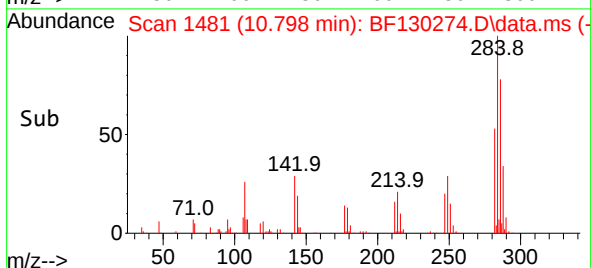
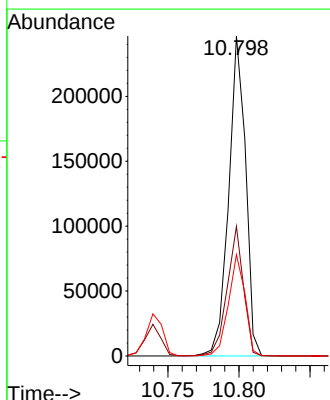
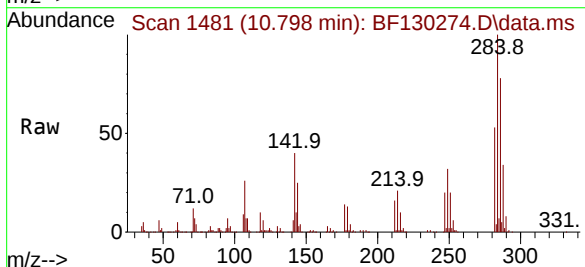
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

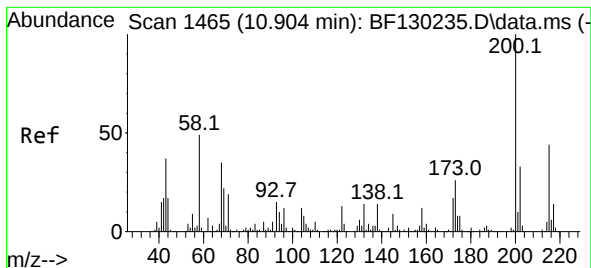
Tgt Ion:248 Resp: 179294
Ion Ratio Lower Upper
248 100
250 95.6 80.0 120.0
141 93.6 68.5 102.7



#68
Hexachlorobenzene
Concen: 46.468 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:284 Resp: 203119
Ion Ratio Lower Upper
284 100
142 40.5 27.2 40.8
249 31.6 23.8 35.8





#69

Atrazine

Concen: 50.905 ng

RT: 10.904 min Scan# 1465

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

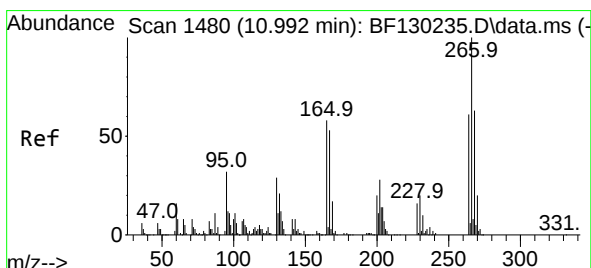
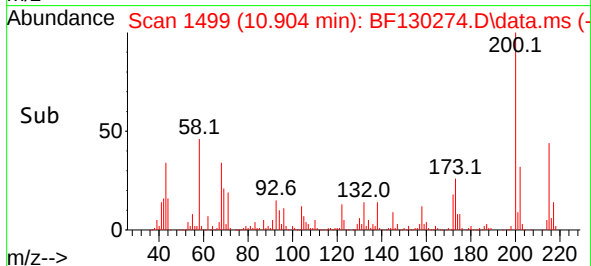
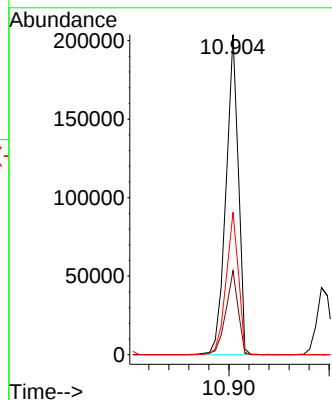
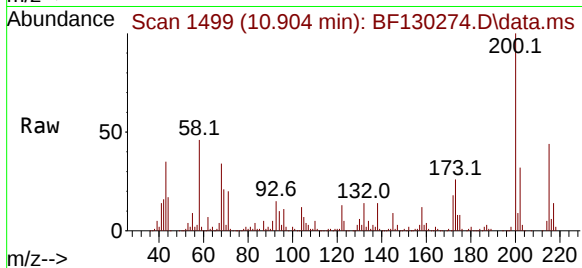
Tgt Ion:200 Resp: 173767

Ion Ratio Lower Upper

200 100

173 26.3 6.2 46.2

215 44.5 22.5 62.5



#70

Pentachlorophenol

Concen: 92.198 ng

RT: 10.992 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

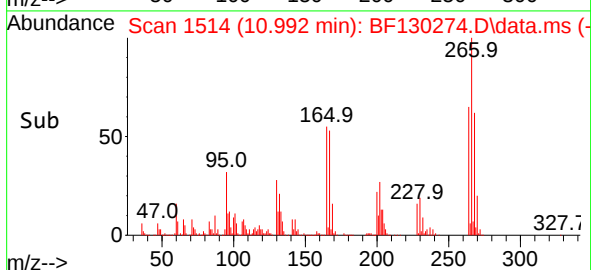
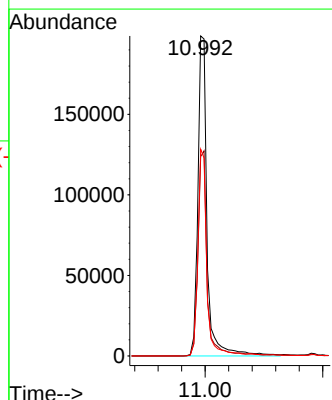
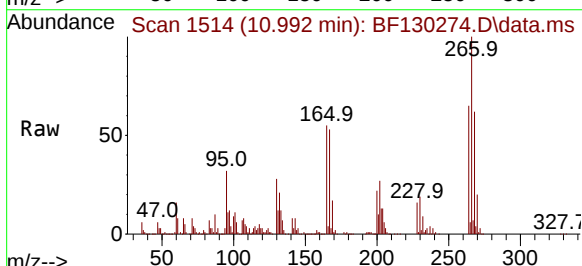
Tgt Ion:266 Resp: 216289

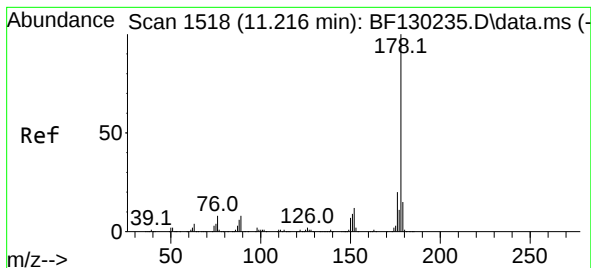
Ion Ratio Lower Upper

266 100

268 62.3 50.5 75.7

264 64.6 50.5 75.7





#71

Phenanthrene

Concen: 44.100 ng

RT: 11.216 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

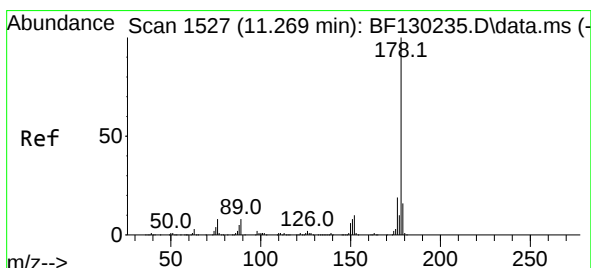
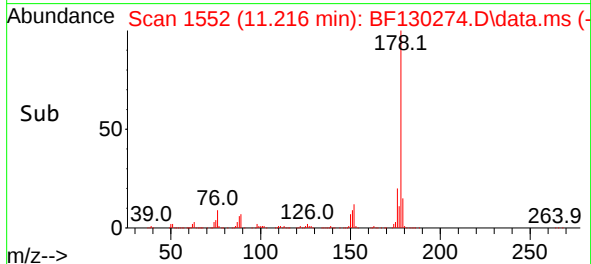
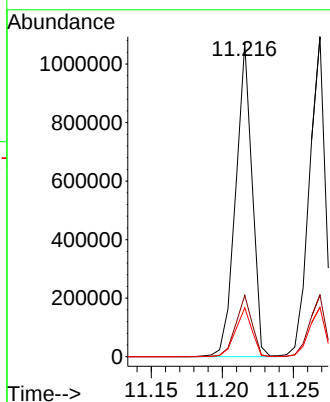
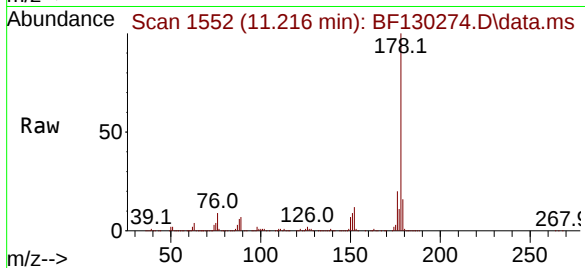
Tgt Ion:178 Resp: 865460

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.6 12.4 18.6



#72

Anthracene

Concen: 45.388 ng

RT: 11.269 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

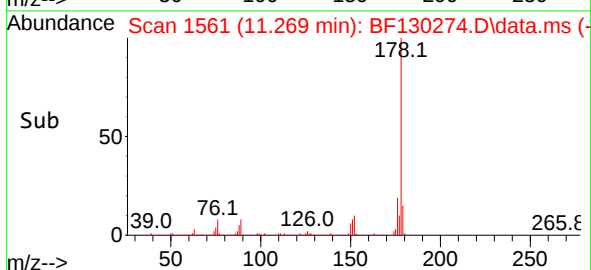
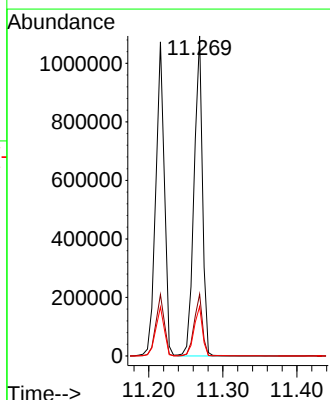
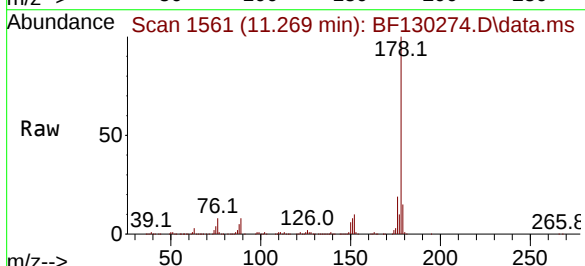
Tgt Ion:178 Resp: 859591

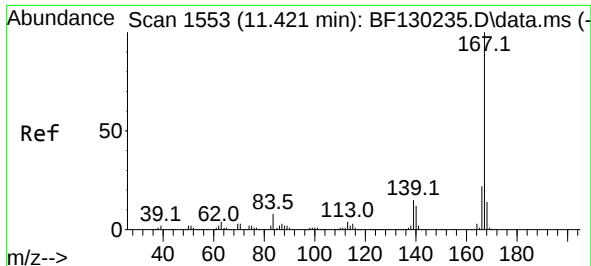
Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.6

179 15.5 12.7 19.1

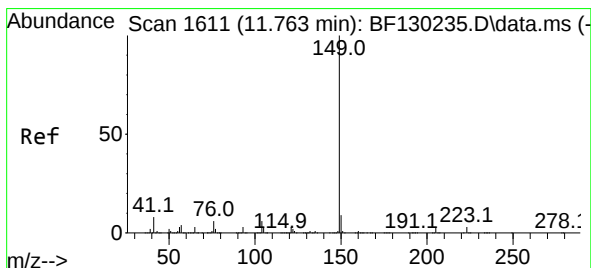
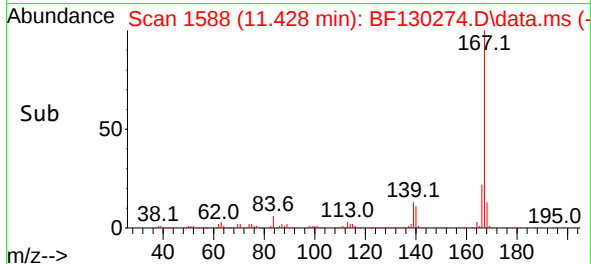
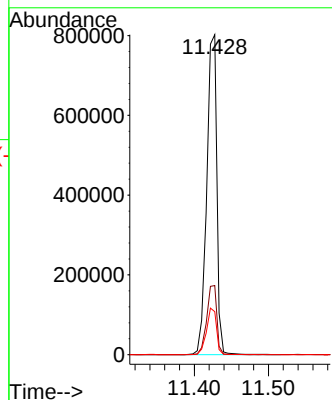
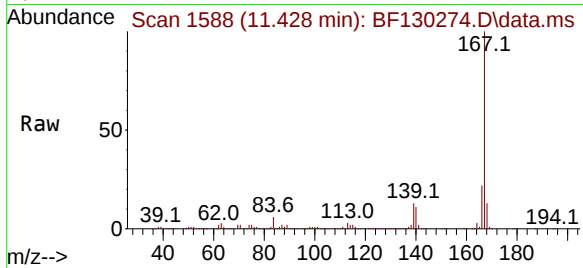




#73
 Carbazole
 Concen: 44.639 ng
 RT: 11.428 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

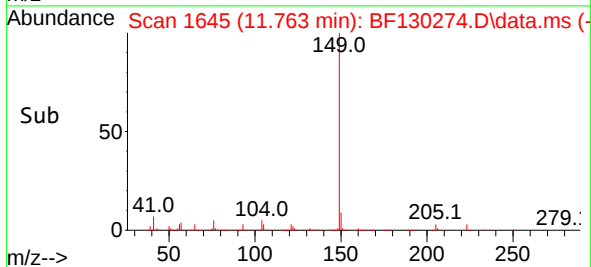
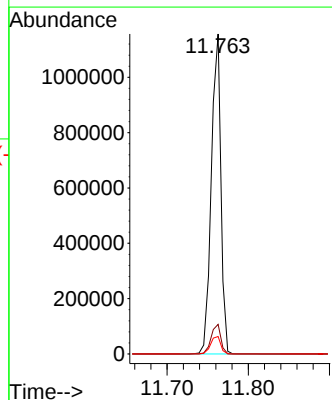
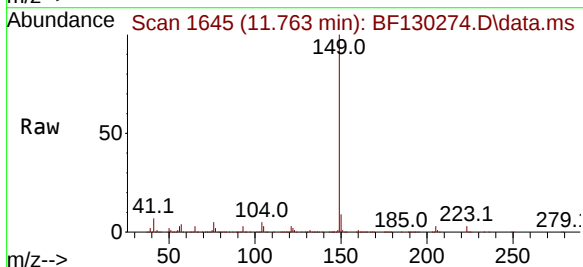
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS

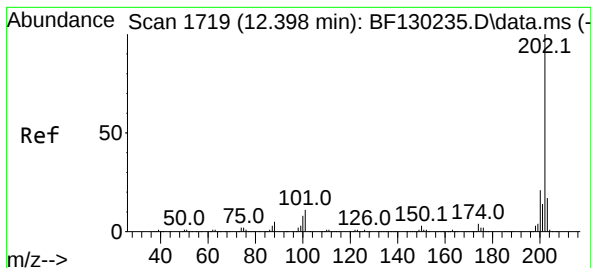
Tgt Ion:167 Resp: 762956
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.2
 139 13.4 11.6 17.4



#74
 Di-n-butylphthalate
 Concen: 45.633 ng
 RT: 11.763 min Scan# 1645
 Delta R.T. 0.000 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

Tgt Ion:149 Resp: 940527
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 5.4 4.8 7.2





#75

Fluoranthene

Concen: 42.594 ng

RT: 12.398 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

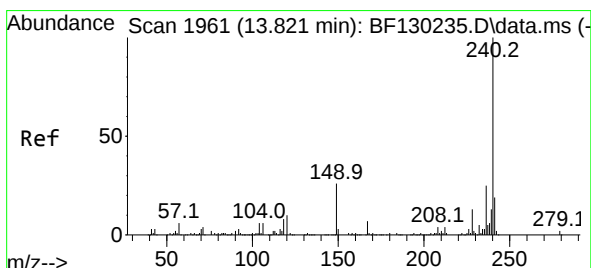
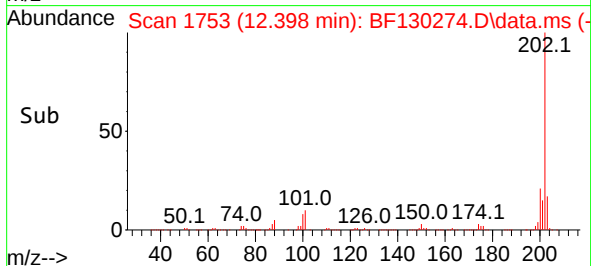
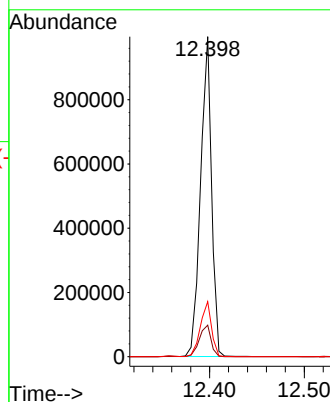
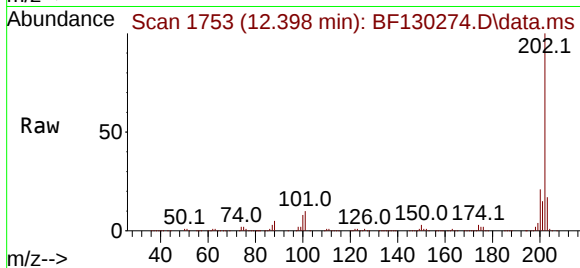
Tgt Ion:202 Resp: 807732

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.8

203 17.2 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.816 min Scan# 1994

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

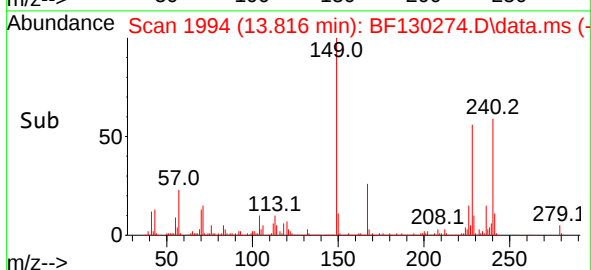
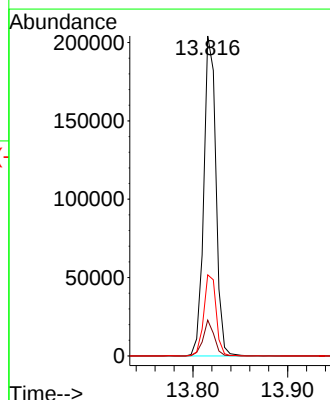
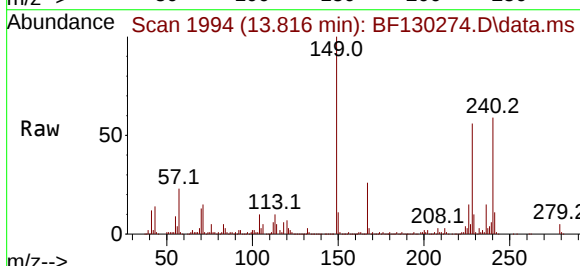
Tgt Ion:240 Resp: 181547

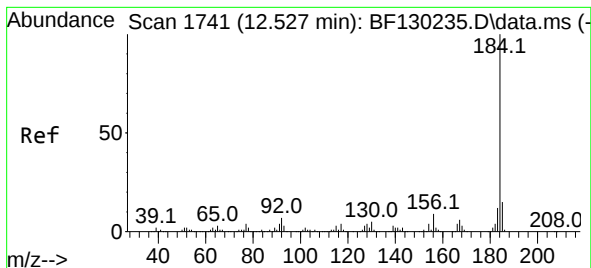
Ion Ratio Lower Upper

240 100

120 11.2 8.7 13.1

236 25.4 20.9 31.3





#77

Benzidine

Concen: 19.764 ng

RT: 12.522 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

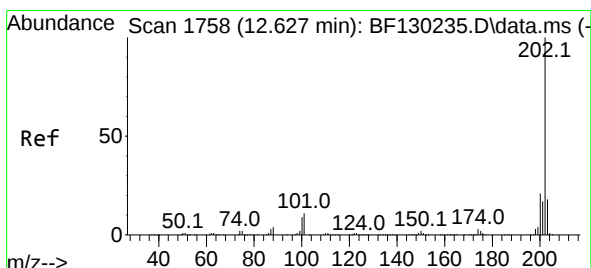
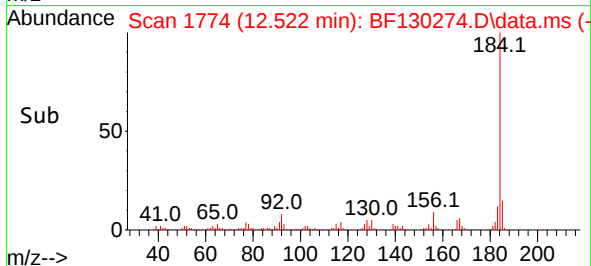
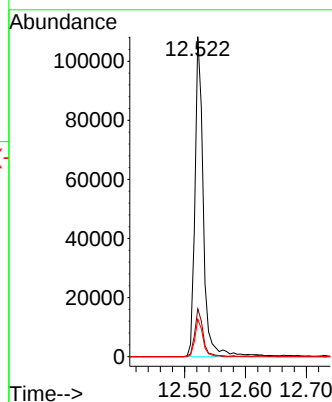
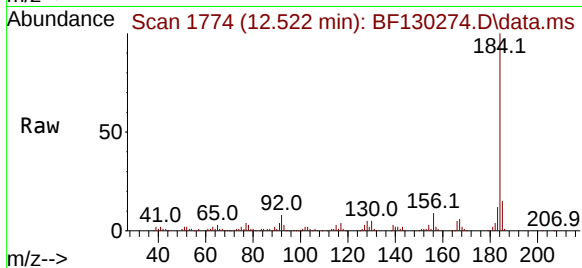
Tgt Ion:184 Resp: 104157

Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.6

183 11.7 9.1 13.7



#78

Pyrene

Concen: 49.926 ng

RT: 12.627 min Scan# 1792

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

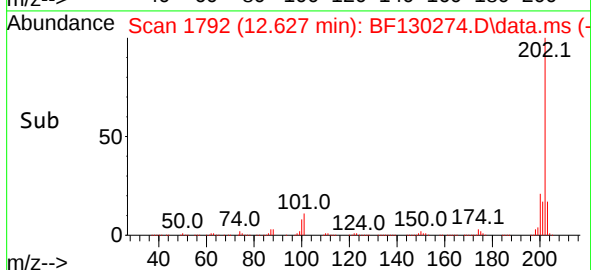
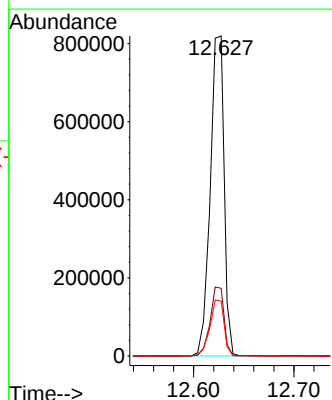
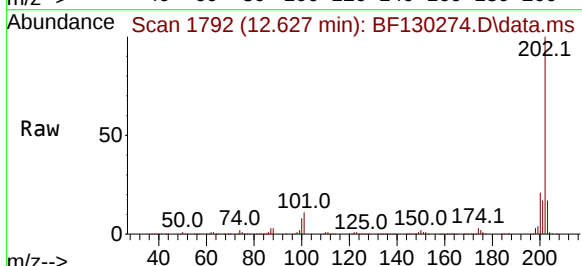
Tgt Ion:202 Resp: 792917

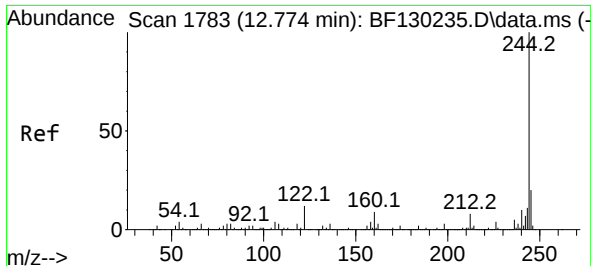
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 17.1 14.3 21.5

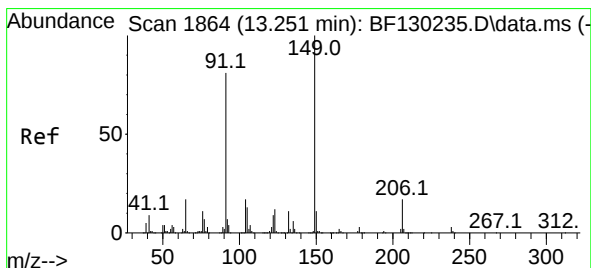
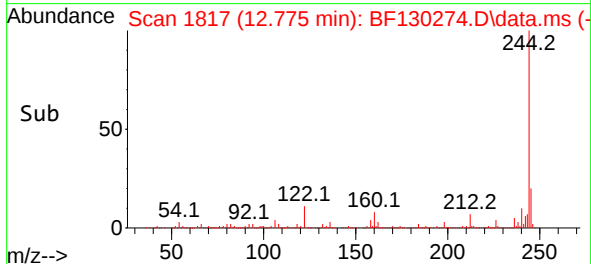
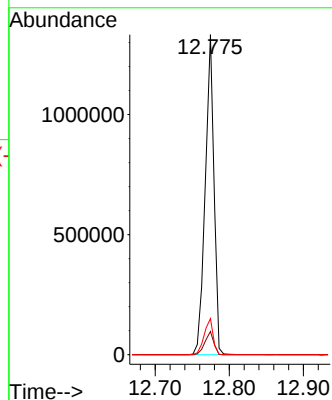
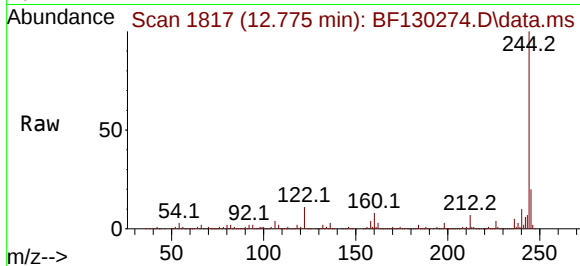




#79
 Terphenyl-d14
 Concen: 100.085 ng
 RT: 12.775 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

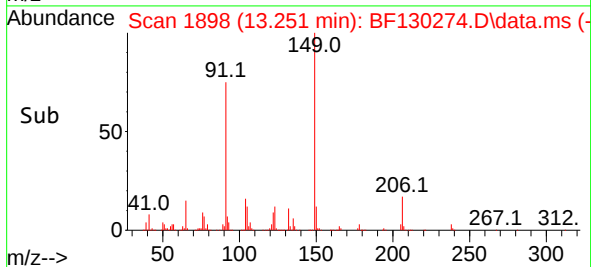
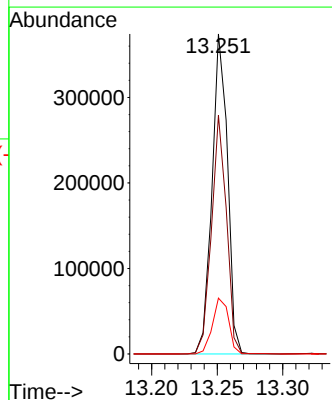
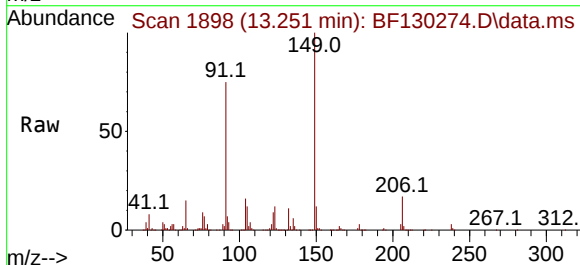
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS

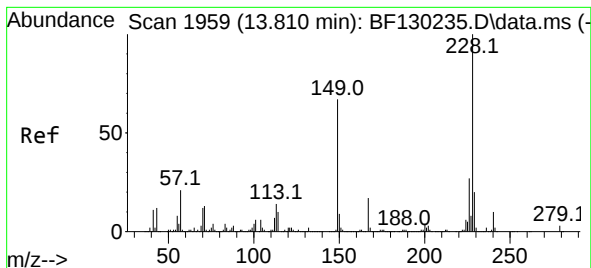
Tgt Ion:244 Resp: 1096910
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.3 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 52.155 ng
 RT: 13.251 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

Tgt Ion:149 Resp: 306860
 Ion Ratio Lower Upper
 149 100
 91 74.6 59.8 89.8
 206 17.5 13.9 20.9





#81

Benzo(a)anthracene

Concen: 44.774 ng

RT: 13.810 min Scan# 1959

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

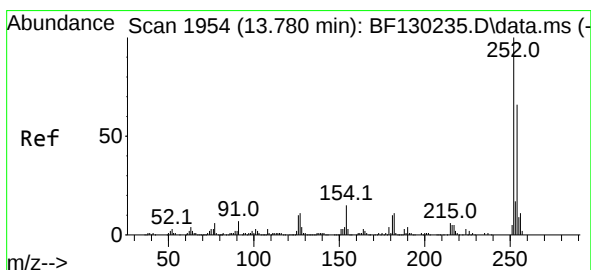
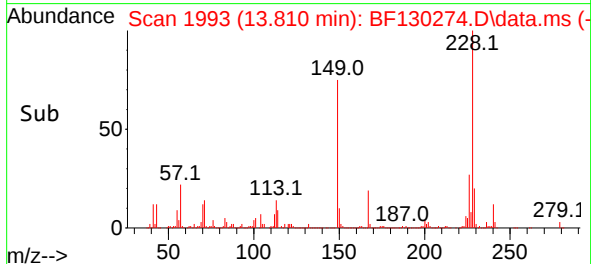
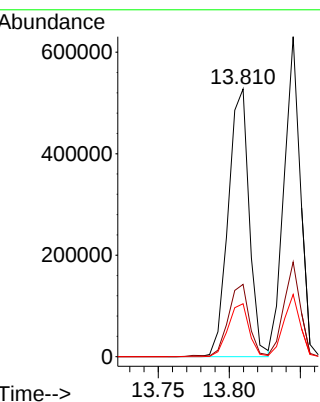
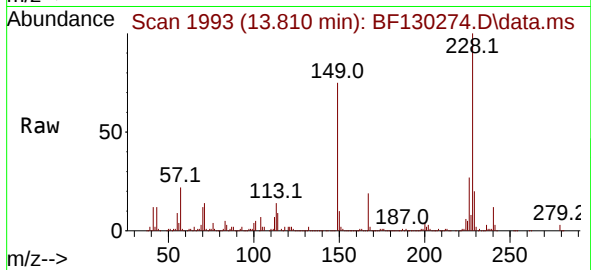
Tgt Ion:228 Resp: 540751

Ion Ratio Lower Upper

228 100

226 27.0 21.9 32.9

229 19.8 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 32.335 ng

RT: 13.774 min Scan# 1987

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

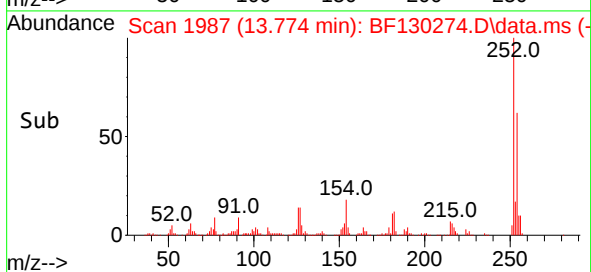
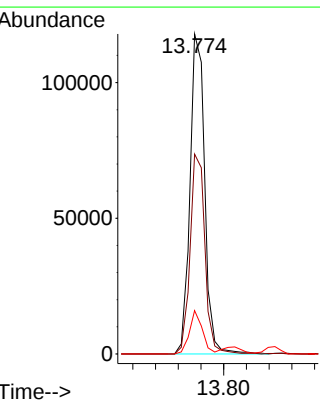
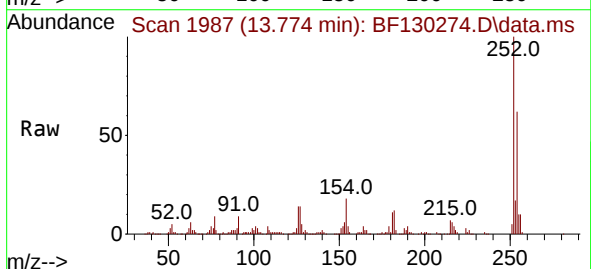
Tgt Ion:252 Resp: 106304

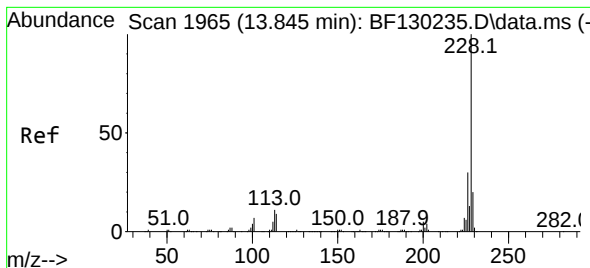
Ion Ratio Lower Upper

252 100

254 62.5 51.1 76.7

126 13.6 10.4 15.6





#83

Chrysene

Concen: 44.022 ng

RT: 13.845 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

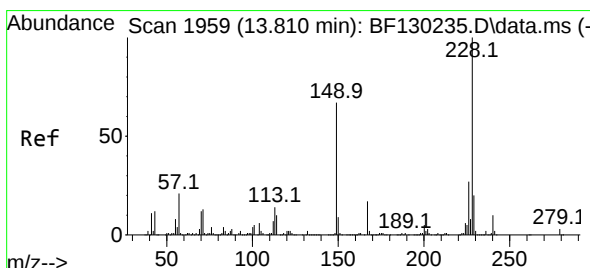
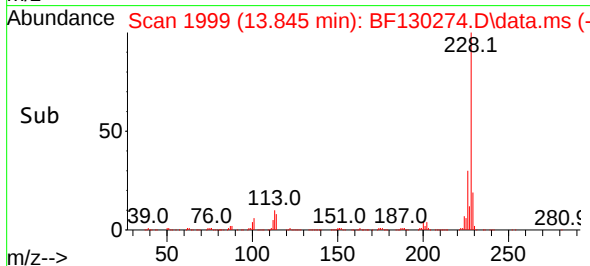
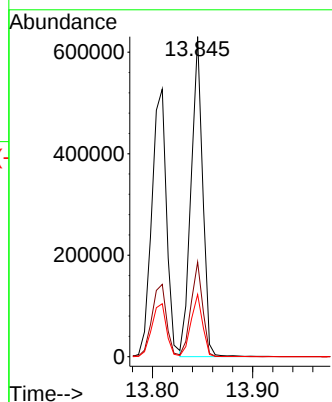
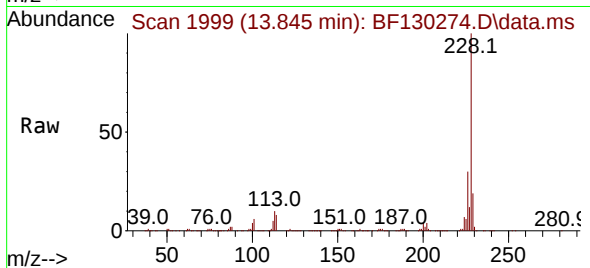
Tgt Ion:228 Resp: 504825

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.4 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.821 ng

RT: 13.810 min Scan# 1993

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

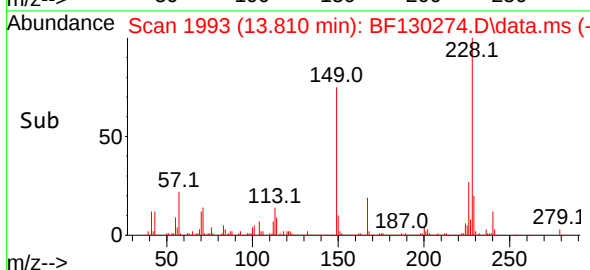
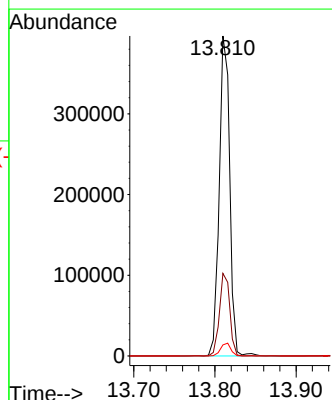
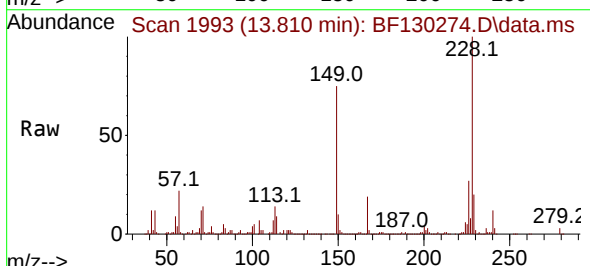
Tgt Ion:149 Resp: 355972

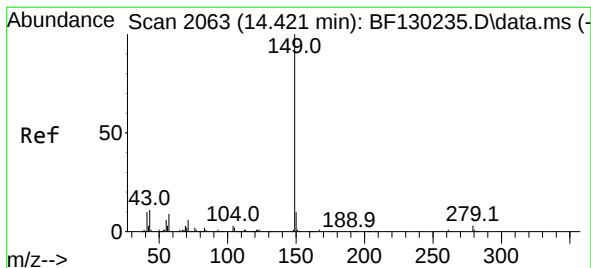
Ion Ratio Lower Upper

149 100

167 25.8 20.5 30.7

279 3.5 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 45.928 ng

RT: 14.421 min Scan# 2063

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

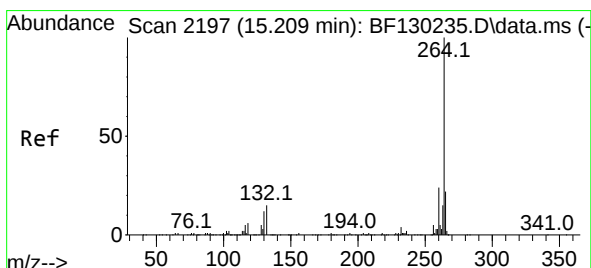
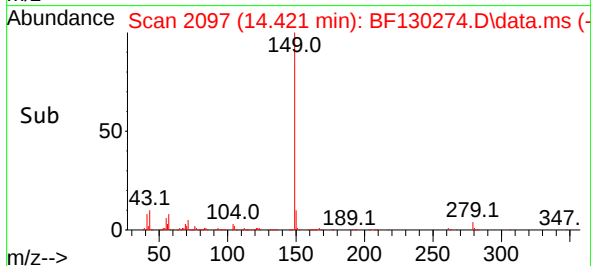
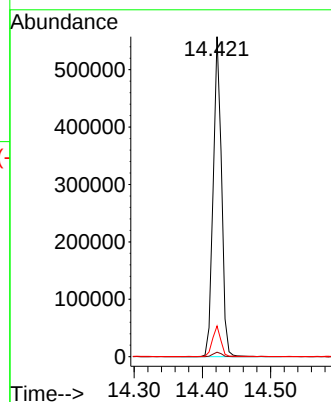
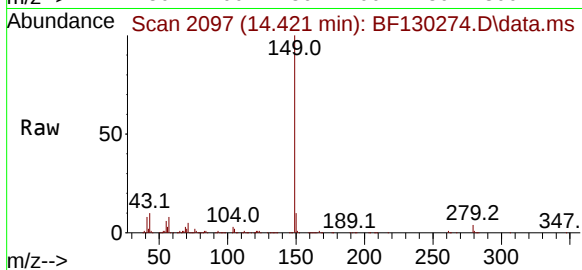
Tgt Ion:149 Resp: 473410

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: 15.210 min Scan# 2231

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

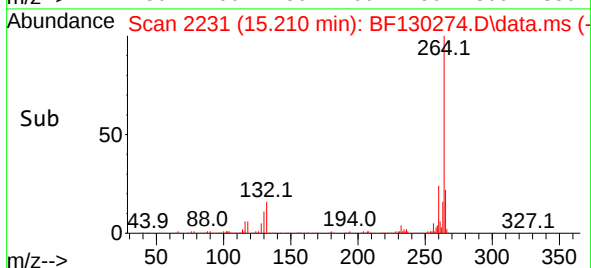
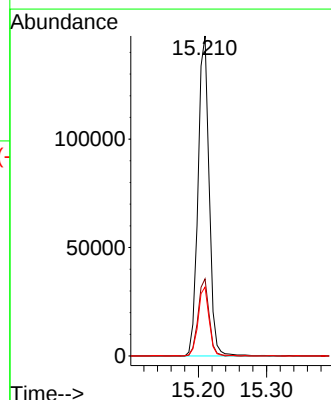
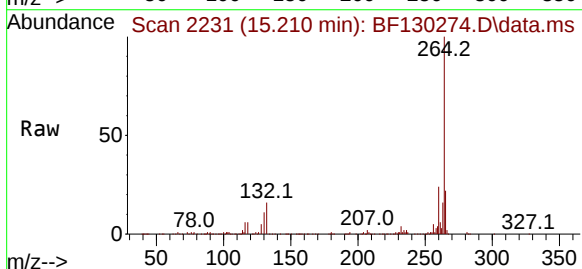
Tgt Ion:264 Resp: 166587

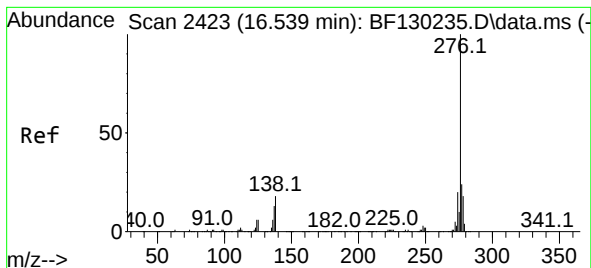
Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.856 ng

RT: 16.539 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

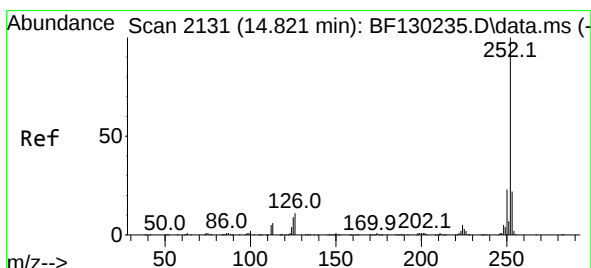
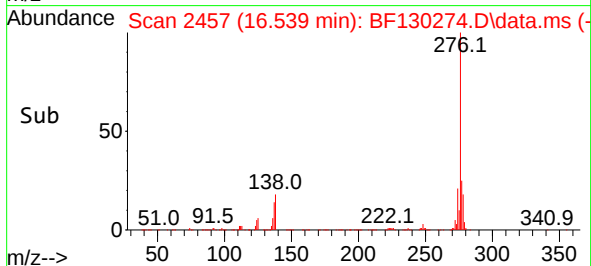
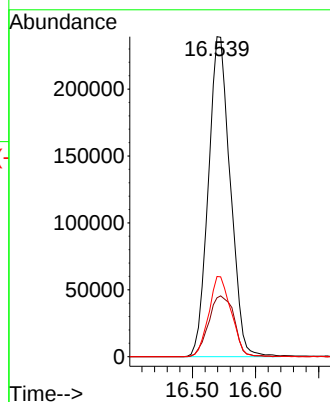
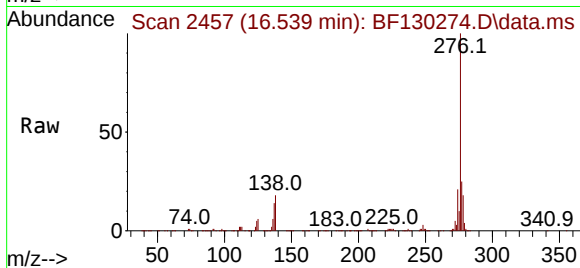
Tgt Ion:276 Resp: 577157

Ion Ratio Lower Upper

276 100

138 22.2 18.5 27.7

277 25.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 46.131 ng

RT: 14.816 min Scan# 2164

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

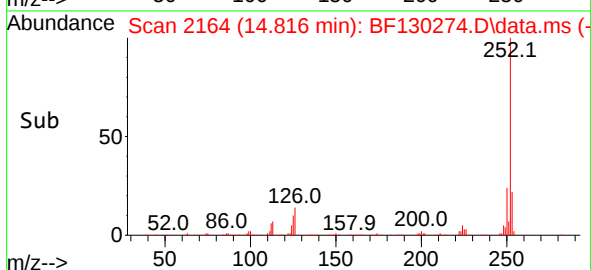
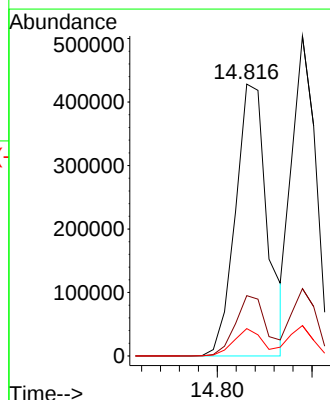
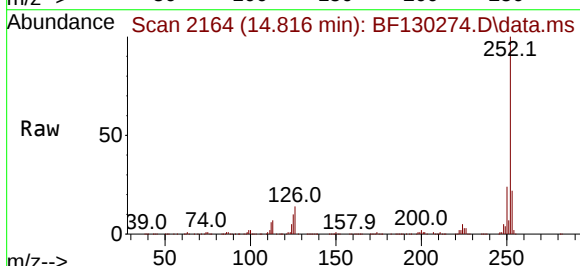
Tgt Ion:252 Resp: 501580

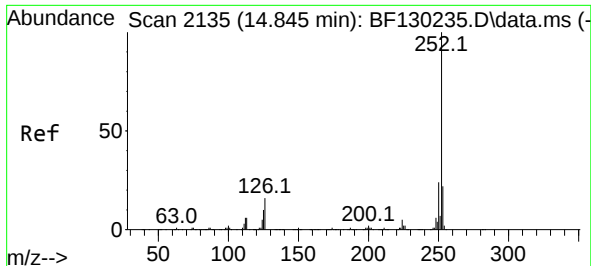
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 10.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 41.760 ng

RT: 14.845 min Scan# 2135

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

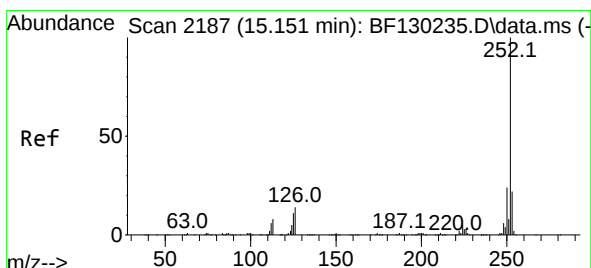
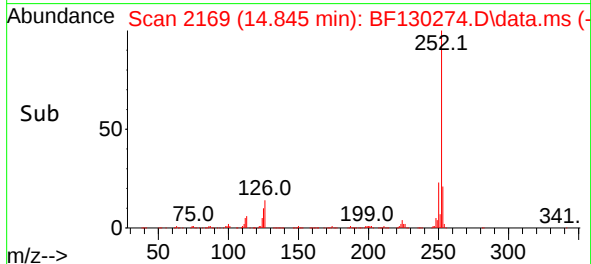
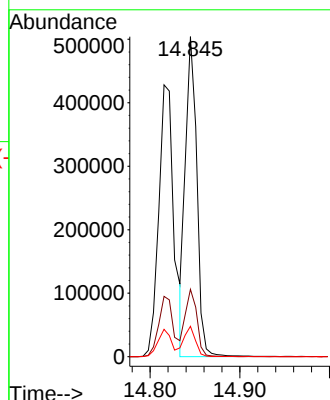
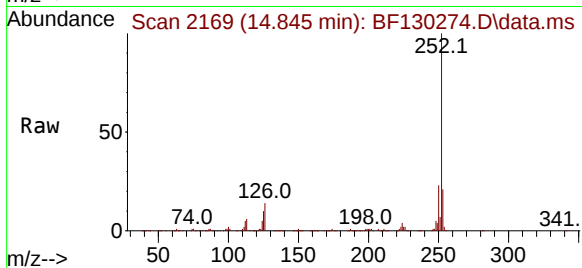
Tgt Ion:252 Resp: 446660

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

125 9.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 49.015 ng

RT: 15.151 min Scan# 2221

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

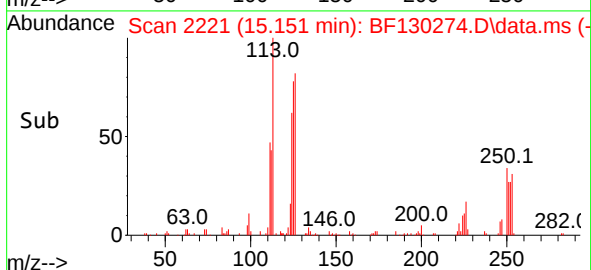
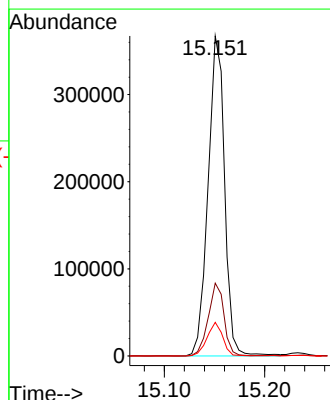
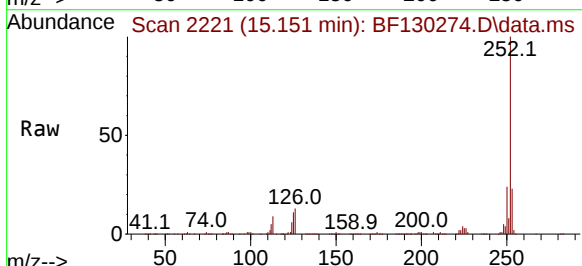
Tgt Ion:252 Resp: 422221

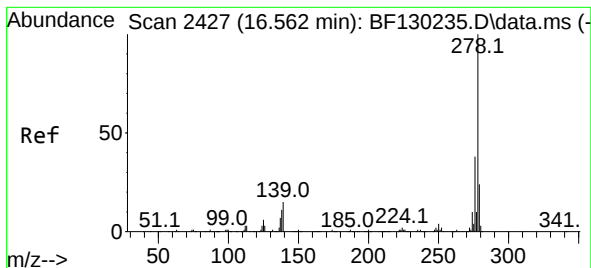
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 10.5 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 51.459 ng

RT: 16.562 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

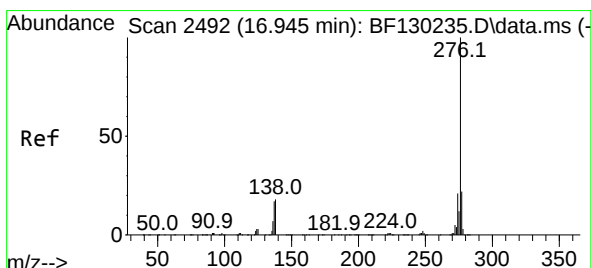
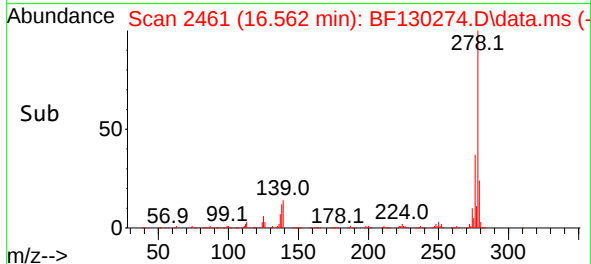
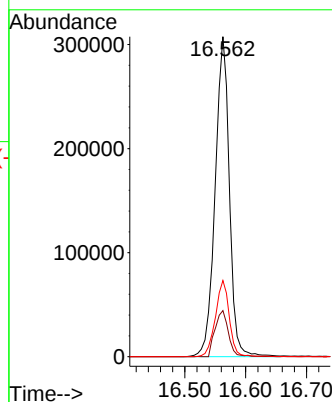
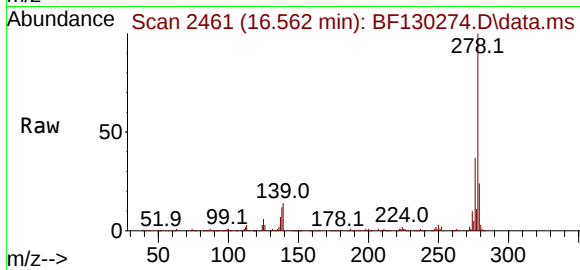
Tgt Ion:278 Resp: 498693

Ion Ratio Lower Upper

278 100

139 14.4 11.8 17.8

279 23.8 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 51.093 ng

RT: 16.945 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Tgt Ion:276 Resp: 498788

Ion Ratio Lower Upper

276 100

277 23.8 18.6 27.8

138 20.3 14.6 21.8

