

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137222.D
 Acq On : 31 Jan 2024 20:58
 Operator : CG\JU
 Sample : P1270-02MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126MSD

Quant Time: Feb 01 01:23:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	50322	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	184761	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	96556	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	176377	20.000	ng	0.00
76) Chrysene-d12	13.974	240	143410	20.000	ng	0.00
86) Perylene-d12	15.451	264	120068	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	371982	121.975	ng	0.02
7) Phenol-d6	6.428	99	455748	104.717	ng	0.00
23) Nitrobenzene-d5	7.357	82	339154	82.184	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	139180	127.634	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	610288	86.887	ng	0.00
79) Terphenyl-d14	12.916	244	738762	70.030	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	53801	32.971	ng	# 80
3) Pyridine	3.410	79	94295	29.773	ng	97
4) n-Nitrosodimethylamine	3.352	42	68476	42.038	ng	99
6) Aniline	6.463	93	83816	17.990	ng	98
8) 2-Chlorophenol	6.581	128	138736	40.686	ng	94
9) Benzaldehyde	6.351	77	31586	19.057	ng	92
10) Phenol	6.445	94	165166	33.999	ng	97
11) bis(2-Chloroethyl)ether	6.534	93	137469	42.343	ng	98
12) 1,3-Dichlorobenzene	6.734	146	155945	39.006	ng	97
13) 1,4-Dichlorobenzene	6.810	146	157846	38.176	ng	99
14) 1,2-Dichlorobenzene	6.963	146	152366	39.413	ng	98
15) Benzyl Alcohol	6.934	79	135002	43.662	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.069	45	219791	37.582	ng	99
17) 2-Methylphenol	7.045	107	117019	41.077	ng	97
18) Hexachloroethane	7.304	117	56939	38.182	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	119568	40.069	ng	97
20) 3+4-Methylphenols	7.198	107	143059	39.669	ng	92
22) Acetophenone	7.204	105	210009	42.221	ng	# 93
24) Nitrobenzene	7.375	77	171740	42.877	ng	96
25) Isophorone	7.610	82	317259	41.651	ng	99
26) 2-Nitrophenol	7.687	139	63593	41.367	ng	93
27) 2,4-Dimethylphenol	7.728	122	98568	45.273	ng	97
28) bis(2-Chloroethoxy)met...	7.828	93	175322	43.343	ng	98
29) 2,4-Dichlorophenol	7.928	162	117568	43.529	ng	98
30) 1,2,4-Trichlorobenzene	8.010	180	138954	41.418	ng	97
31) Naphthalene	8.092	128	408475	40.895	ng	99
32) Benzoic acid	7.834	122	44746	32.687	ng	99
33) 4-Chloroaniline	8.145	127	38575	11.227	ng	98
34) Hexachlorobutadiene	8.210	225	94051	42.161	ng	98
35) Caprolactam	8.498	113	20256	24.119	ng	93
36) 4-Chloro-3-methylphenol	8.622	107	130349	40.860	ng	97
37) 2-Methylnaphthalene	8.787	142	273975	40.914	ng	100
38) 1-Methylnaphthalene	8.881	142	257522	41.404	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	145268	44.963	ng	100
41) Hexachlorocyclopentadiene	8.934	237	97535	63.383	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	87049	47.502	ng	98

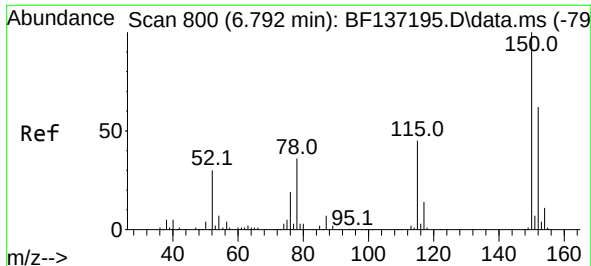
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	90539	45.200	ng	94
46) 1,1'-Biphenyl	9.251	154	351139	45.708	ng	98
47) 2-Chloronaphthalene	9.275	162	252859	44.476	ng	99
48) 2-Nitroaniline	9.369	65	89257	48.506	ng	97
49) Acenaphthylene	9.686	152	406696	44.684	ng	99
50) Dimethylphthalate	9.551	163	311781	47.797	ng	100
51) 2,6-Dinitrotoluene	9.616	165	66622	47.896	ng	# 83
52) Acenaphthene	9.863	154	238993	44.678	ng	99
53) 3-Nitroaniline	9.781	138	27700	22.129	ng	88
54) 2,4-Dinitrophenol	9.886	184	24261	45.072	ng	92
55) Dibenzofuran	10.033	168	371590	43.662	ng	100
56) 4-Nitrophenol	9.945	139	80857	87.175	ng	94
57) 2,4-Dinitrotoluene	10.016	165	84936	47.060	ng	92
58) Fluorene	10.381	166	287224	43.050	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.110	232	79356	42.578	ng	96
60) Diethylphthalate	10.257	149	304488	47.407	ng	98
61) 4-Chlorophenyl-phenyle...	10.375	204	146639	44.217	ng	97
62) 4-Nitroaniline	10.398	138	51353	42.860	ng	99
63) Azobenzene	10.533	77	301843	42.434	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	23498	27.747	ng	93
66) n-Nitrosodiphenylamine	10.492	169	253182	47.210	ng	98
67) 4-Bromophenyl-phenylether	10.863	248	92730	47.814	ng	93
68) Hexachlorobenzene	10.922	284	96868	44.717	ng	98
69) Atrazine	11.022	200	85346	48.208	ng	98
70) Pentachlorophenol	11.122	266	116069	93.468	ng	97
71) Phenanthrene	11.345	178	414978	44.942	ng	99
72) Anthracene	11.398	178	431903	44.877	ng	98
73) Carbazole	11.551	167	378798	47.096	ng	99
74) Di-n-butylphthalate	11.892	149	451569	51.938	ng	100
75) Fluoranthene	12.533	202	472681	48.921	ng	99
77) Benzidine	12.669	184	73269	28.532	ng	98
78) Pyrene	12.769	202	490576	35.596	ng	99
80) Butylbenzylphthalate	13.398	149	187820	53.274	ng	92
81) Benzo(a)anthracene	13.963	228	447909	44.101	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	108614	39.252	ng	97
83) Chrysene	13.998	228	439490	44.015	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	272082	66.335	ng	97
85) Di-n-octyl phthalate	14.586	149	470217	72.100	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	312491	37.045	ng	99
88) Benzo(b)fluoranthene	15.021	252	351820	47.646	ng	98
89) Benzo(k)fluoranthene	15.051	252	364687	46.686	ng	99
90) Benzo(a)pyrene	15.392	252	305067	43.902	ng	97
91) Dibenzo(a,h)anthracene	16.974	278	256602	37.964	ng	99
92) Benzo(g,h,i)perylene	17.404	276	230988	34.819	ng	97

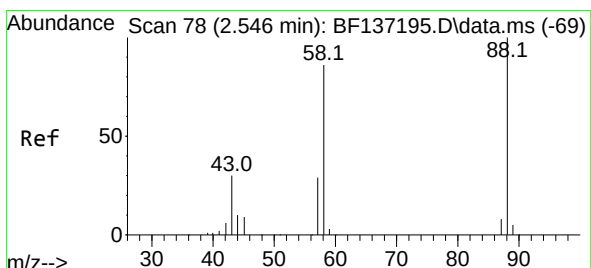
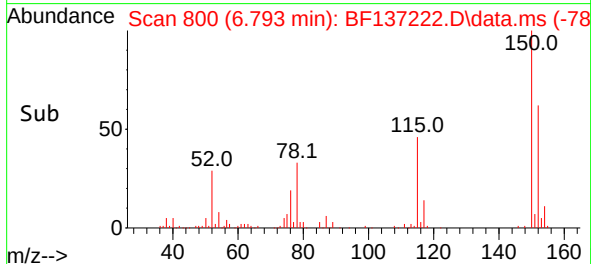
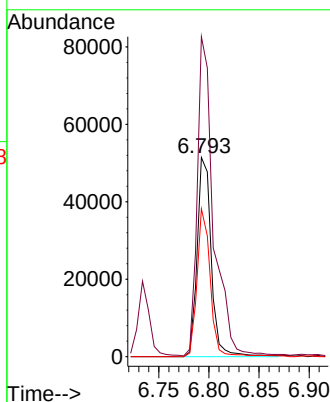
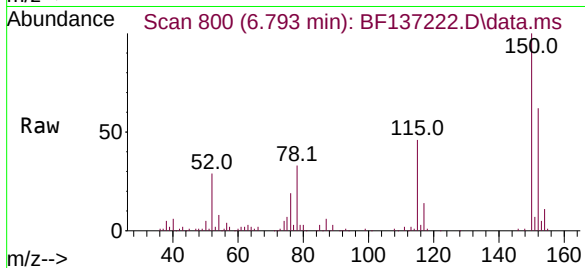
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

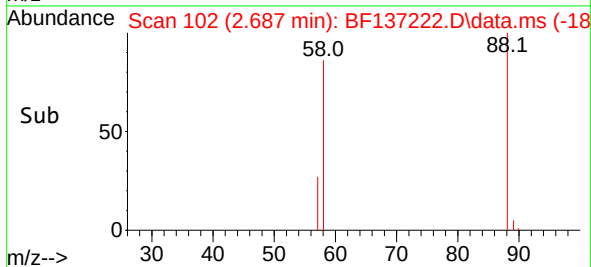
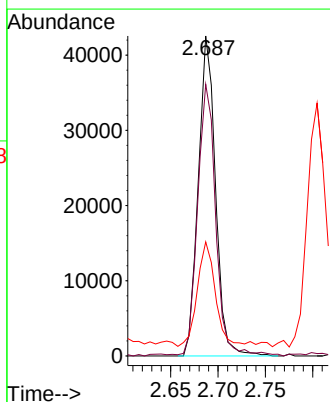
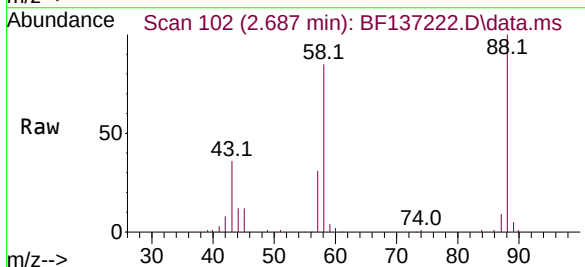
Instrument :
 BNA_F
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 WC-SOIL-20240126MSD

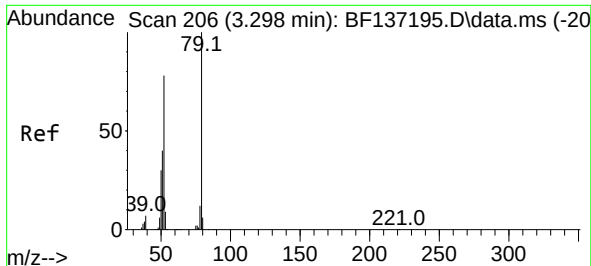
Tgt Ion:152 Resp: 50322
 Ion Ratio Lower Upper
 152 100
 150 160.8 129.8 194.8
 115 74.2 58.5 87.7



#2
 1,4-Dioxane
 Concen: 32.971 ng
 RT: 2.687 min Scan# 102
 Delta R.T. 0.141 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

Tgt Ion: 88 Resp: 53801
 Ion Ratio Lower Upper
 88 100
 58 89.3 67.8 101.8
 43 0.0 26.6 40.0#

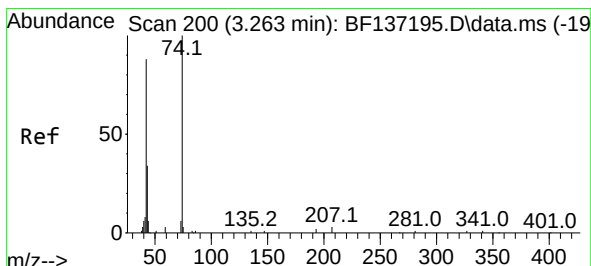
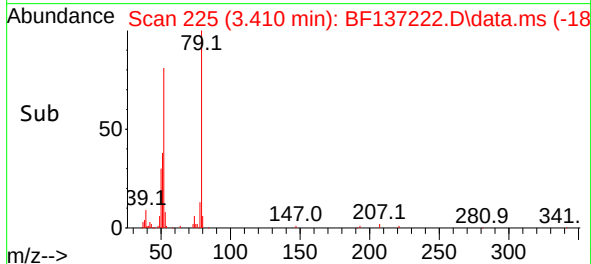
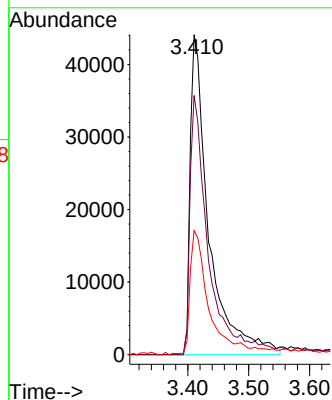
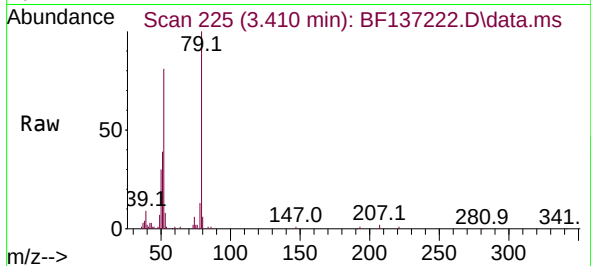




#3
Pyridine
Concen: 29.773 ng
RT: 3.410 min Scan# 215
Delta R.T. 0.112 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

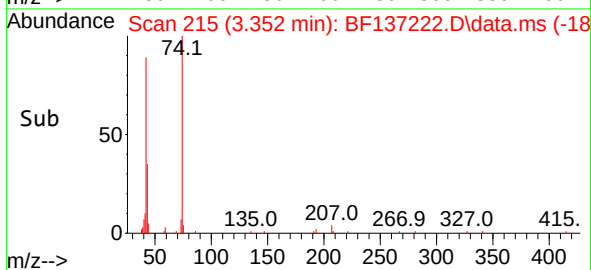
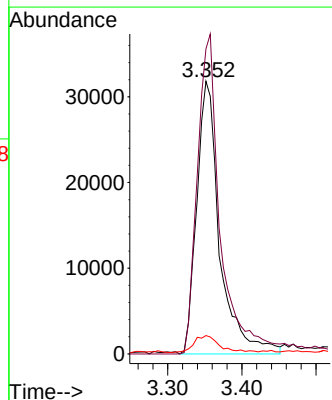
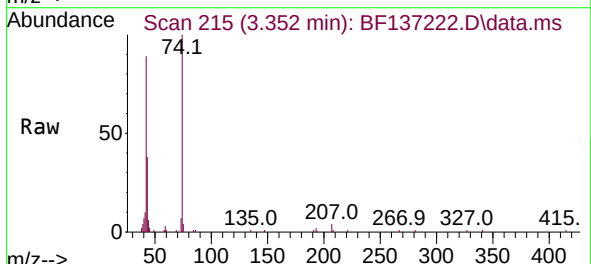
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ClientSampleId :
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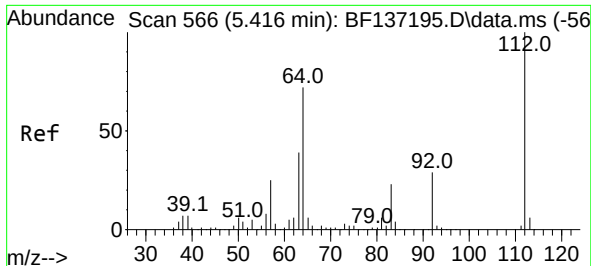
Tgt Ion: 79 Resp: 94295
Ion Ratio Lower Upper
79 100
52 81.0 62.6 94.0
51 38.8 33.0 49.4



#4
n-Nitrosodimethylamine
Concen: 42.038 ng
RT: 3.352 min Scan# 215
Delta R.T. 0.089 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion: 42 Resp: 68476
Ion Ratio Lower Upper
42 100
74 111.9 90.5 135.7
44 6.7 6.1 9.1

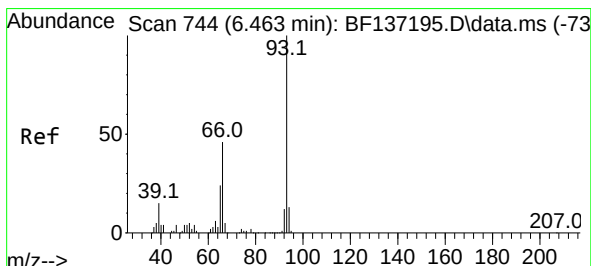
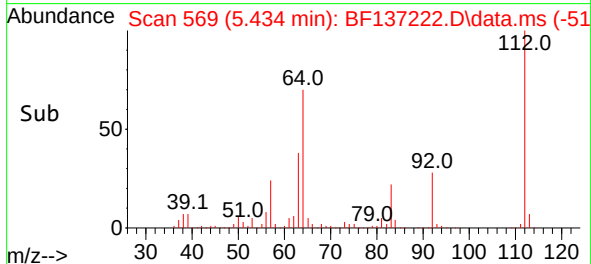
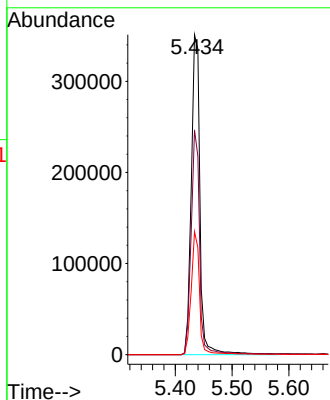
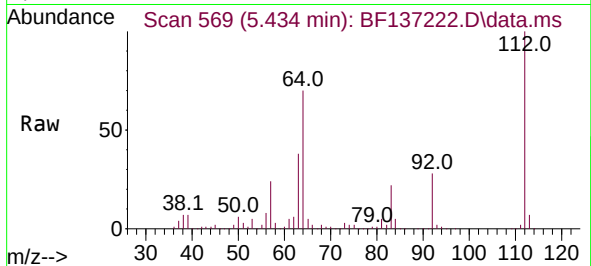




#5
2-Fluorophenol
Concen: 121.975 ng
RT: 5.434 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

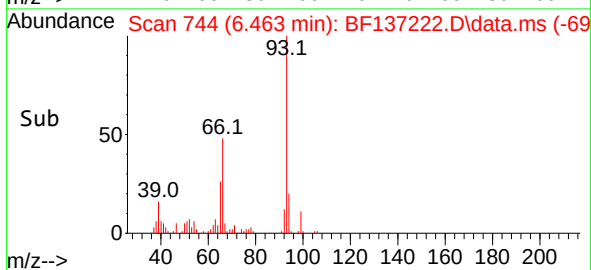
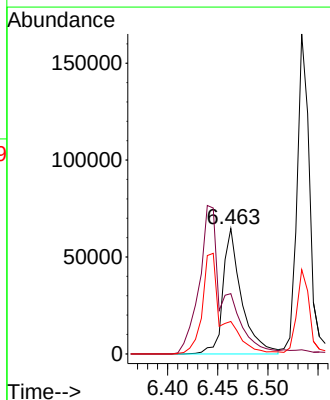
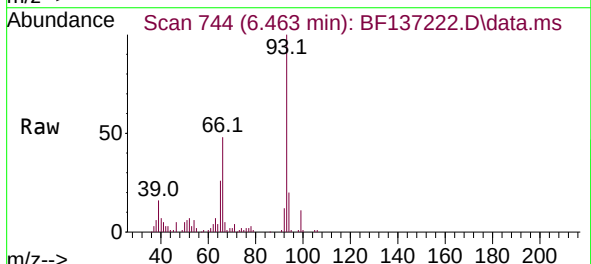
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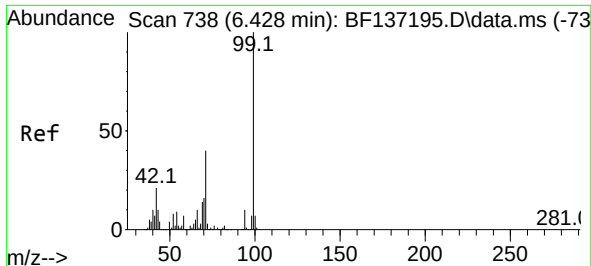
Tgt Ion:112 Resp: 371982
Ion Ratio Lower Upper
112 100
64 70.2 57.8 86.6
63 38.4 31.4 47.0



#6
Aniline
Concen: 17.990 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion: 93 Resp: 83816
Ion Ratio Lower Upper
93 100
66 48.0 37.9 56.9
65 25.8 19.0 28.4

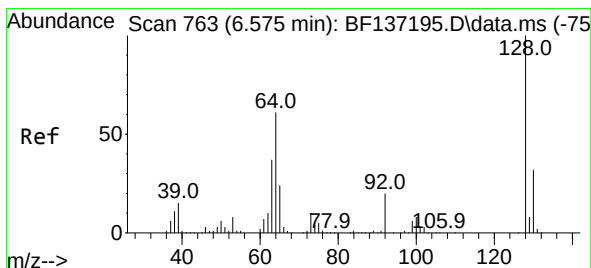
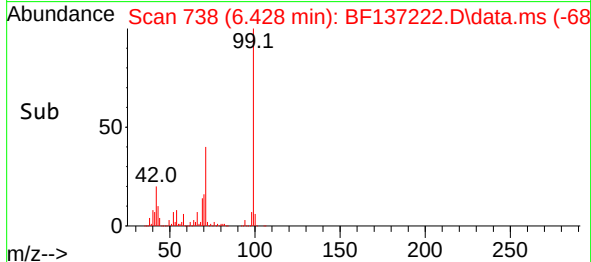
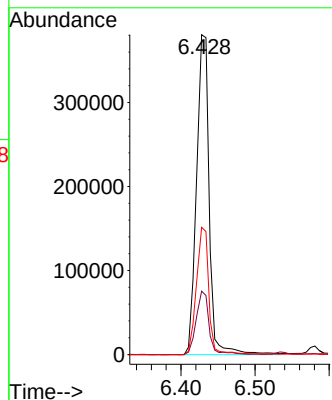
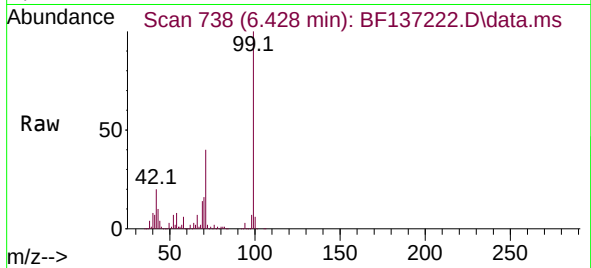




#7
Phenol-d6
Concen: 104.717 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

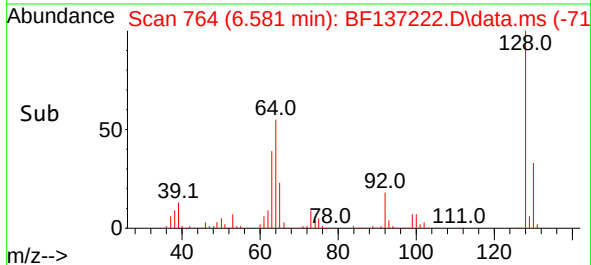
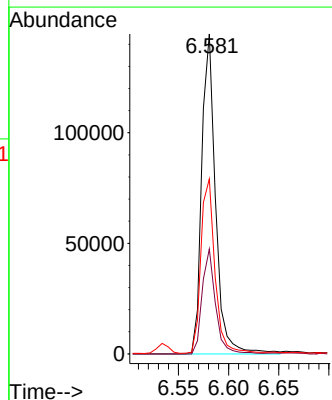
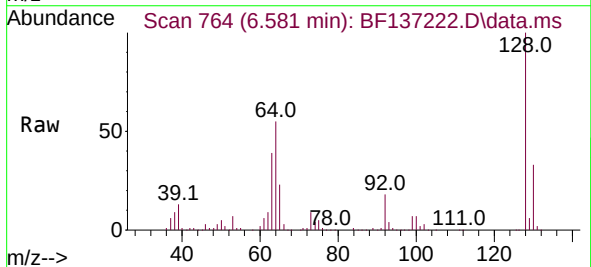
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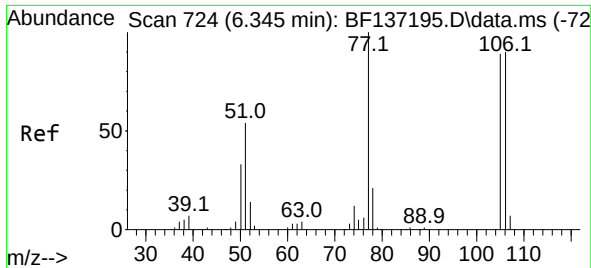
Tgt Ion:	99	Resp:	455748
Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.4	24.6
71	39.8	32.4	48.6



#8
2-Chlorophenol
Concen: 40.686 ng
RT: 6.581 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	128	Resp:	138736
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.4	52.4
64	54.7	41.6	81.6





#9

Benzaldehyde

Concen: 19.057 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

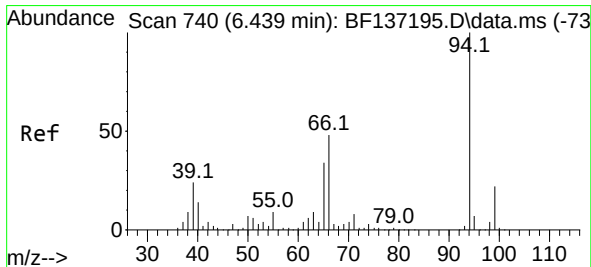
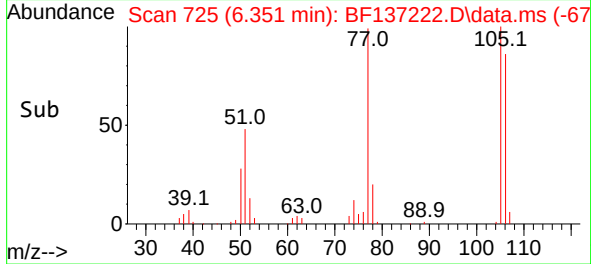
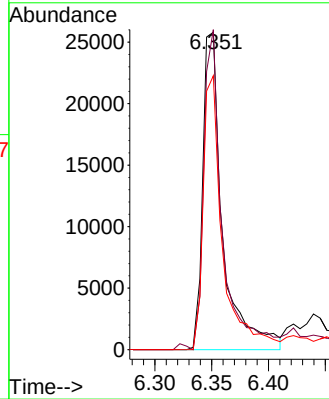
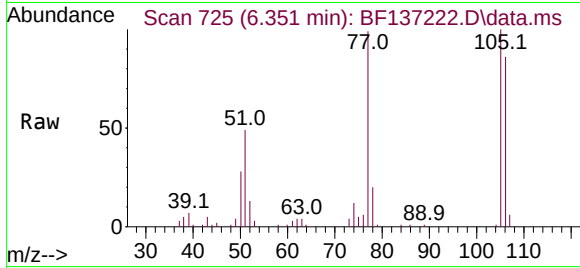
Tgt Ion: 77 Resp: 31586

Ion Ratio Lower Upper

77 100

105 100.8 69.1 109.1

106 86.3 69.6 109.6



#10

Phenol

Concen: 33.999 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

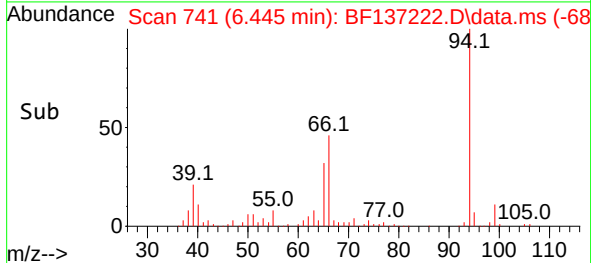
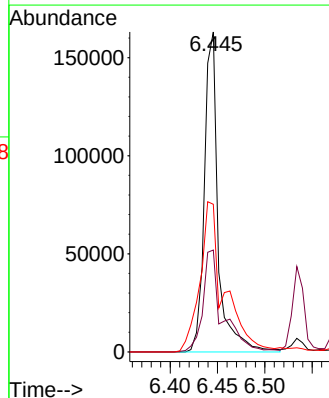
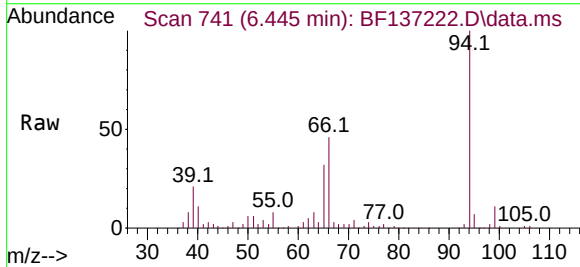
Tgt Ion: 94 Resp: 165166

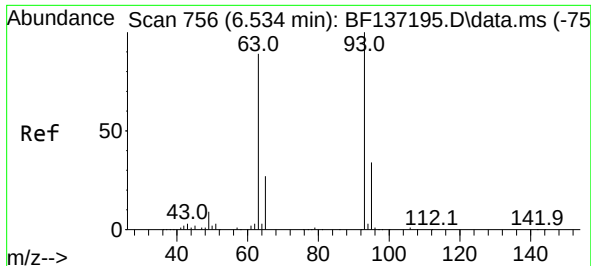
Ion Ratio Lower Upper

94 100

65 31.8 13.7 53.7

66 46.2 27.8 67.8

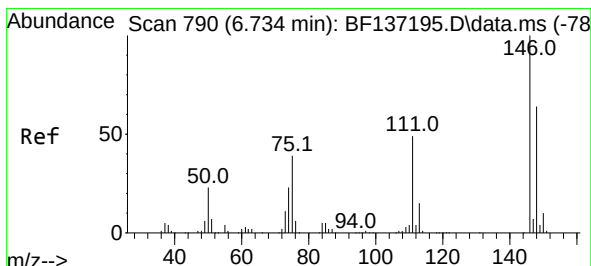
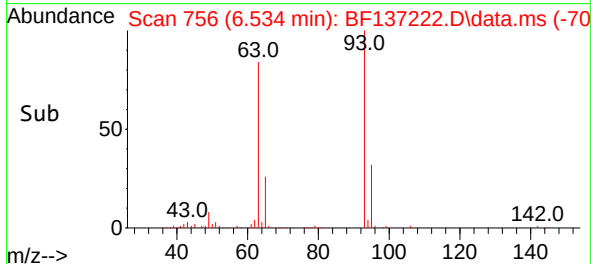
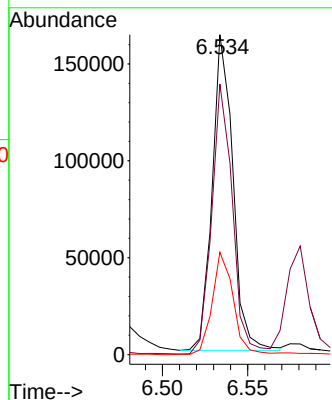
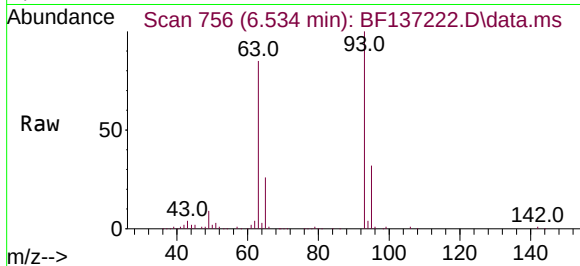




#11
bis(2-Chloroethyl)ether
Concen: 42.343 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

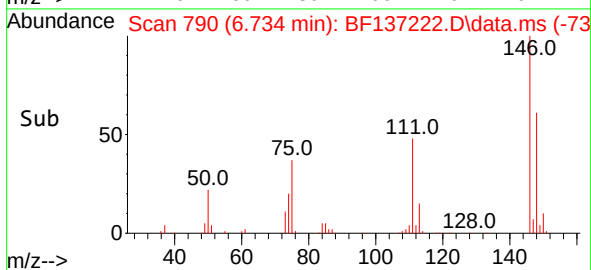
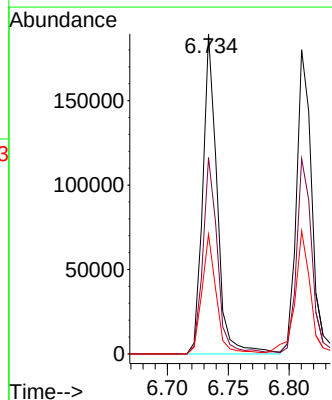
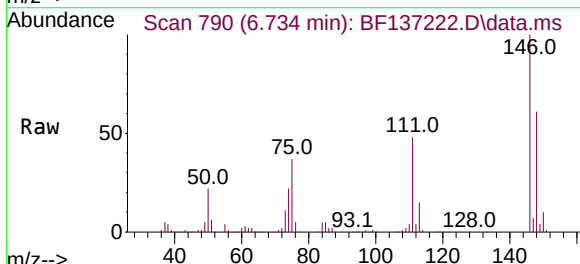
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

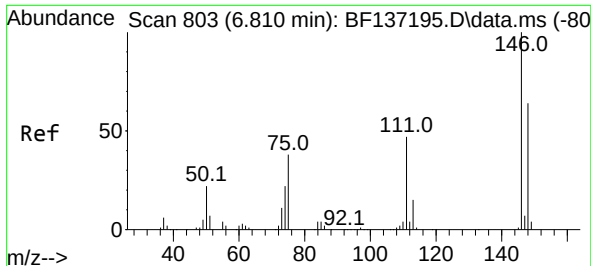
Tgt Ion:	93	Resp:	137469
Ion	Ratio	Lower	Upper
93	100		
63	84.6	66.7	106.7
95	32.0	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 39.006 ng
RT: 6.734 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	146	Resp:	155945
Ion	Ratio	Lower	Upper
146	100		
148	61.3	51.4	77.0
75	37.4	31.3	46.9





#13

1,4-Dichlorobenzene

Concen: 38.176 ng

RT: 6.810 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

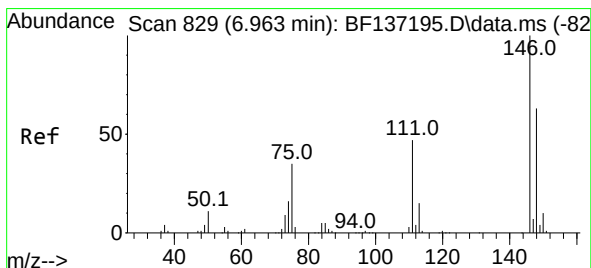
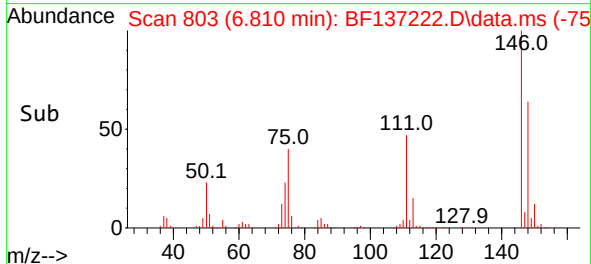
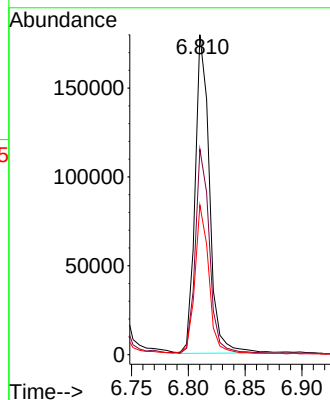
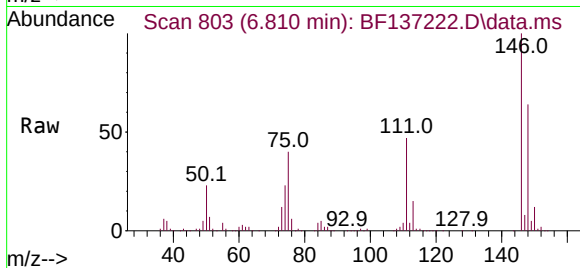
Tgt Ion:146 Resp: 157846

Ion Ratio Lower Upper

146 100

148 64.2 51.5 77.3

111 46.7 38.1 57.1



#14

1,2-Dichlorobenzene

Concen: 39.413 ng

RT: 6.963 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

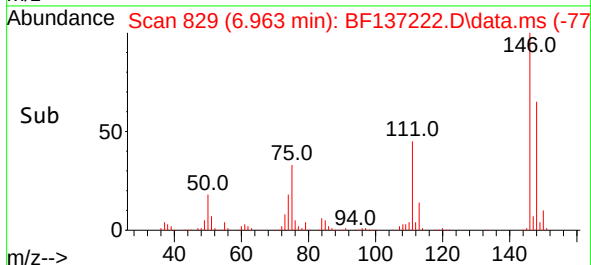
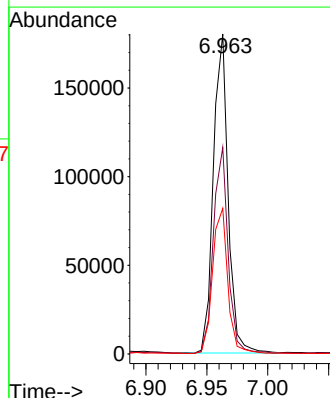
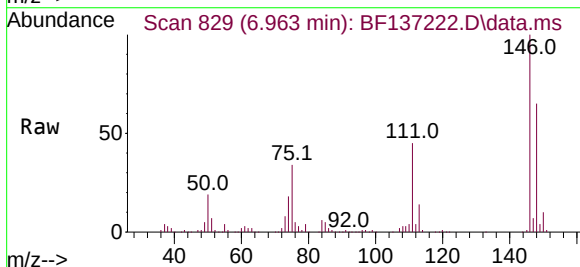
Tgt Ion:146 Resp: 152366

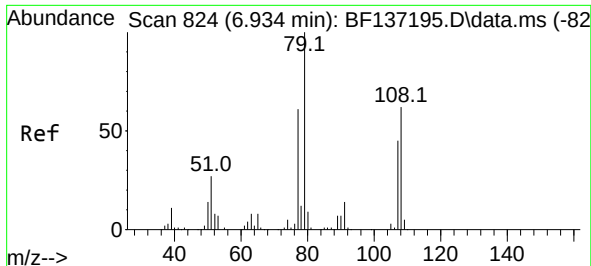
Ion Ratio Lower Upper

146 100

148 64.5 50.6 75.8

111 45.5 37.3 55.9

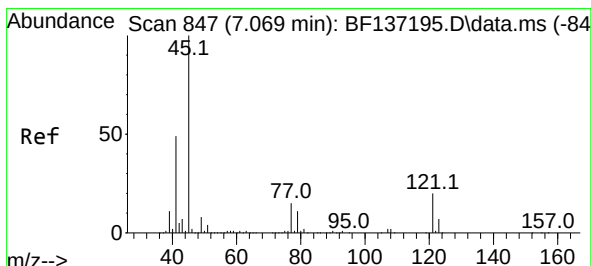
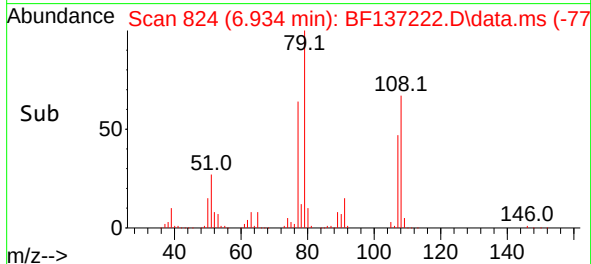
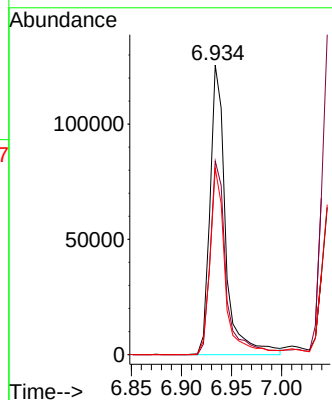
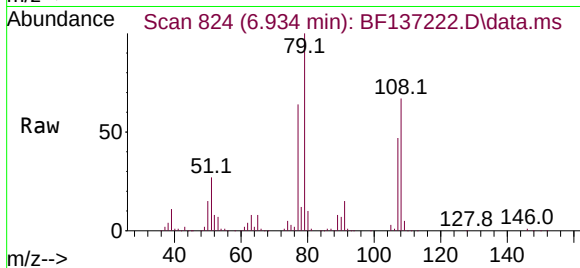




#15
Benzyl Alcohol
Concen: 43.662 ng
RT: 6.934 min Scan# 824
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

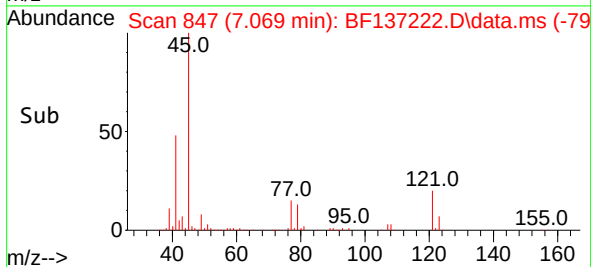
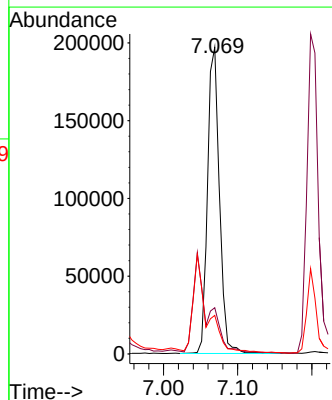
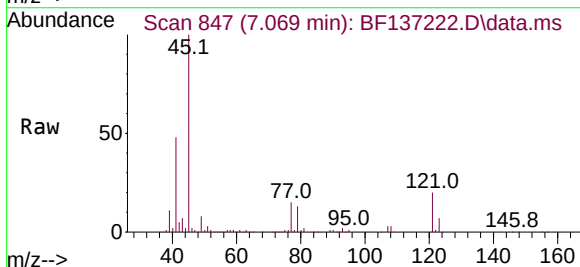
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

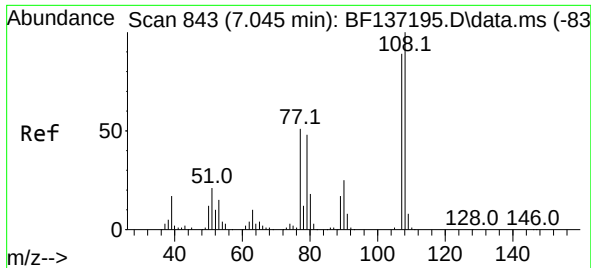
Tgt Ion: 79 Resp: 135002
Ion Ratio Lower Upper
79 100
108 66.9 49.3 73.9
77 64.4 48.8 73.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.582 ng
RT: 7.069 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

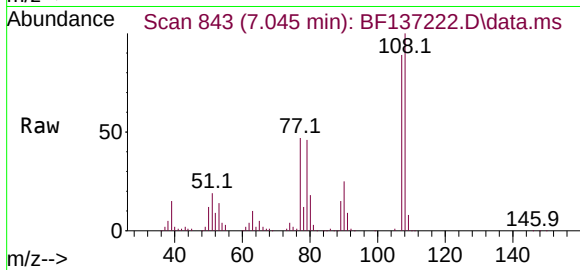
Tgt Ion: 45 Resp: 219791
Ion Ratio Lower Upper
45 100
77 15.0 0.0 35.9
79 12.6 0.0 32.4



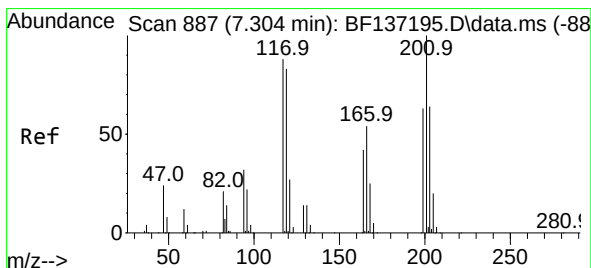
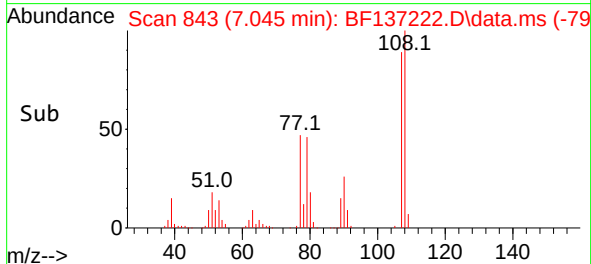
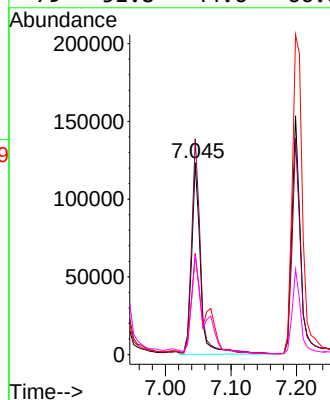


#17
2-Methylphenol
Concen: 41.077 ng
RT: 7.045 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

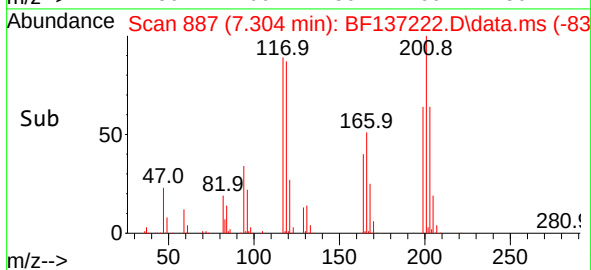
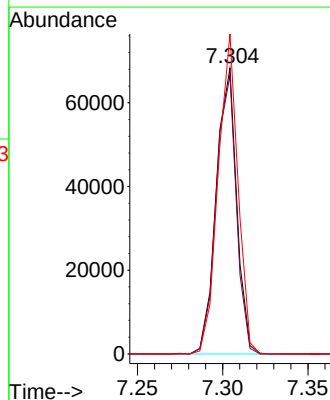
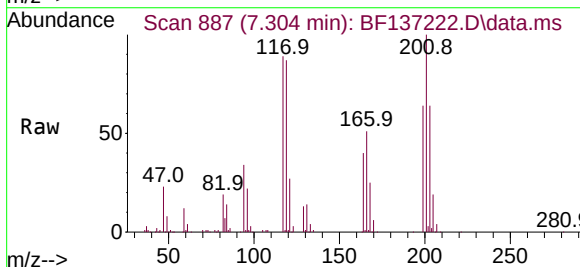


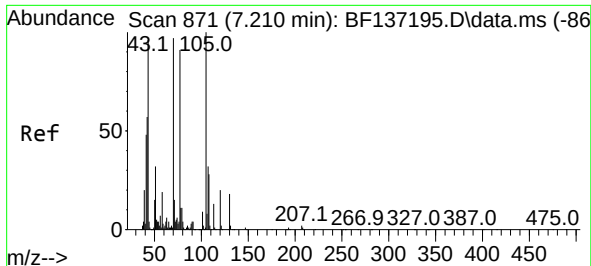
Tgt Ion:	107	Resp:	117019
Ion	Ratio	Lower	Upper
107	100		
108	112.6	89.9	134.9
77	52.8	46.6	69.8
79	51.8	44.6	66.8



#18
Hexachloroethane
Concen: 38.182 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	117	Resp:	56939
Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.2	114.4
201	112.0	91.4	137.0



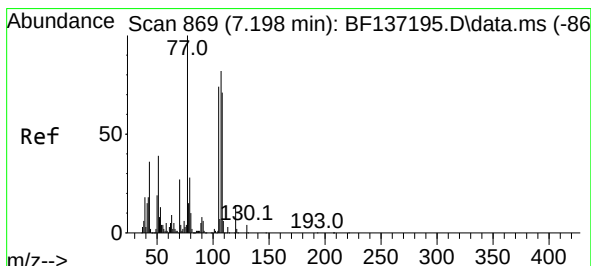
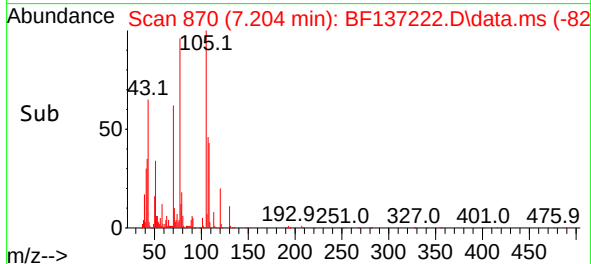
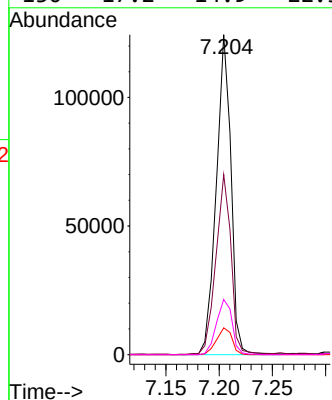
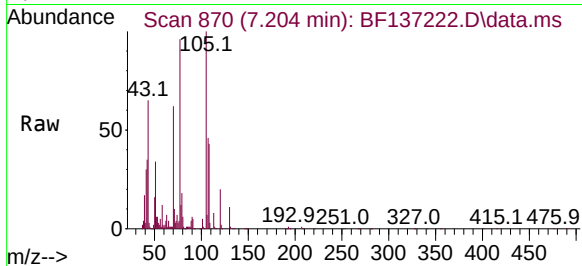


#19
n-Nitroso-di-n-propylamine
Concen: 40.069 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

Tgt Ion: 70 Resp: 119568

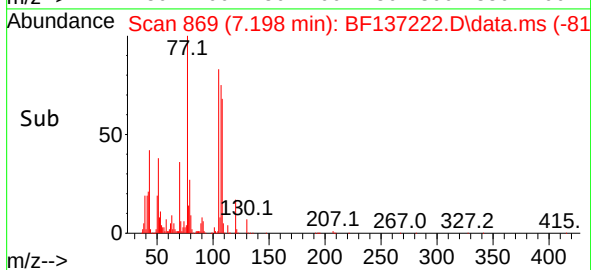
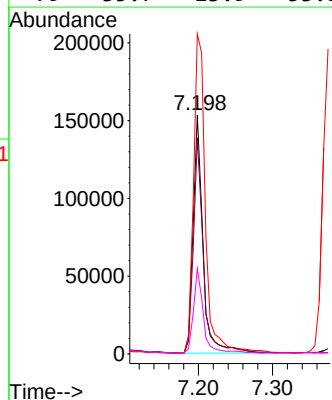
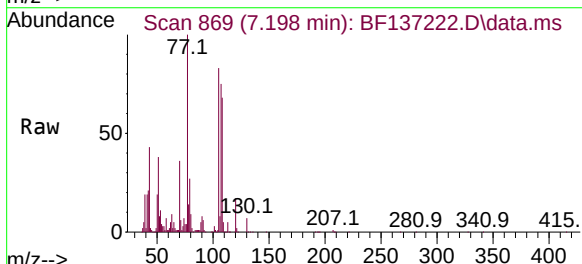
Ion	Ratio	Lower	Upper
70	100		
42	56.2	47.2	70.8
101	8.4	7.4	11.0
130	17.2	14.9	22.3

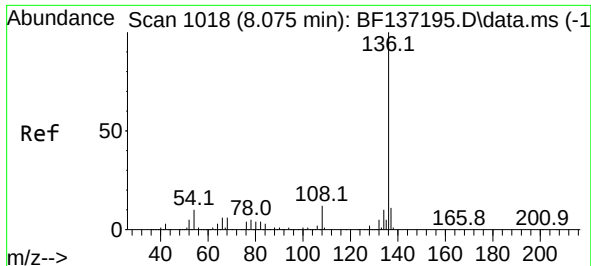


#20
3+4-Methylphenols
Concen: 39.669 ng
RT: 7.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion: 107 Resp: 143059

Ion	Ratio	Lower	Upper
107	100		
108	90.5	66.3	106.3
77	134.0	101.4	141.4
79	35.7	13.9	53.9

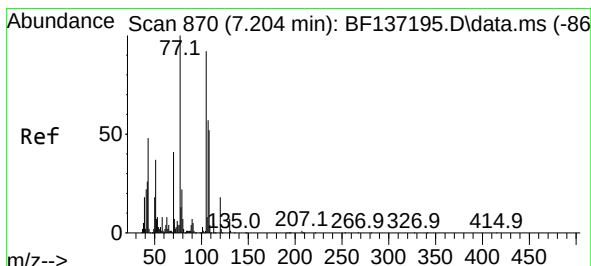
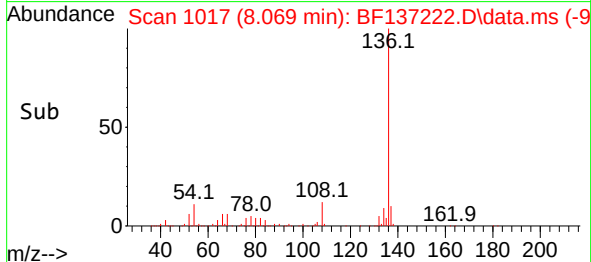
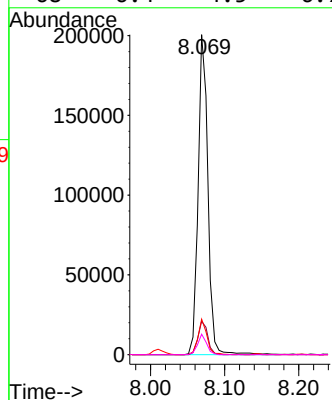
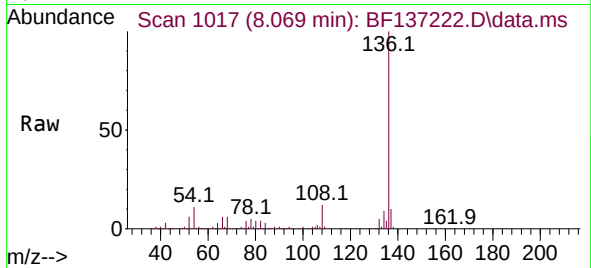




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

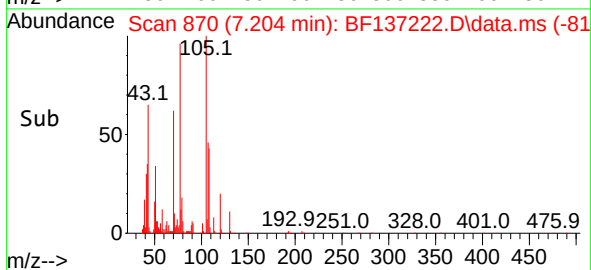
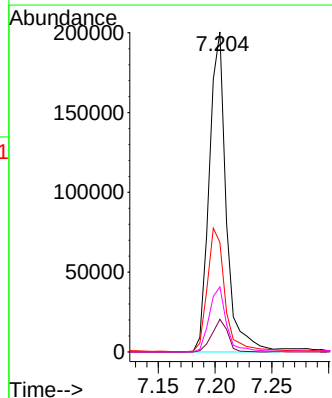
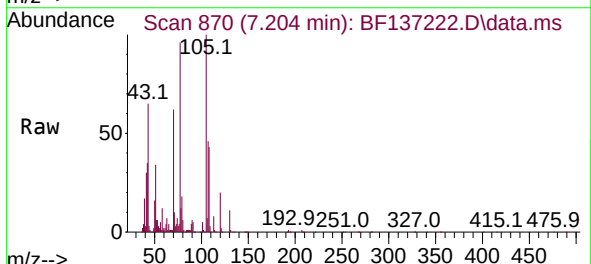
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

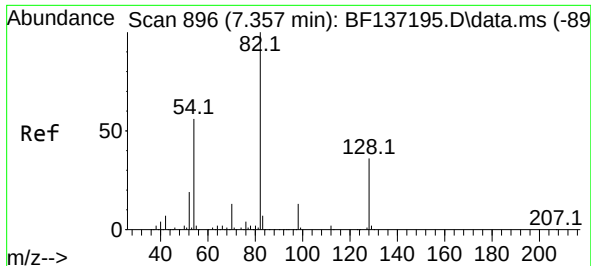
Tgt Ion:136	Resp: 184761
Ion Ratio	Lower Upper
136 100	
137 10.4	8.9 13.3
54 11.1	7.8 11.8
68 6.4	4.5 6.7



#22
Acetophenone
Concen: 42.221 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:105	Resp: 210009
Ion Ratio	Lower Upper
105 100	
71 10.2	5.7 8.5#
51 34.2	32.2 48.4
120 20.3	15.9 23.9

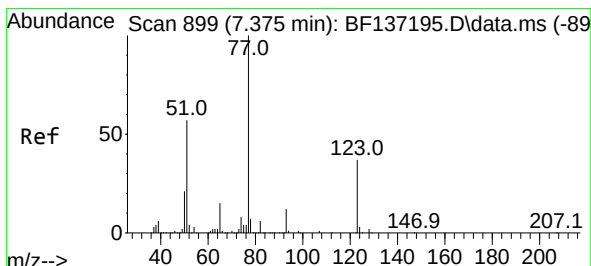
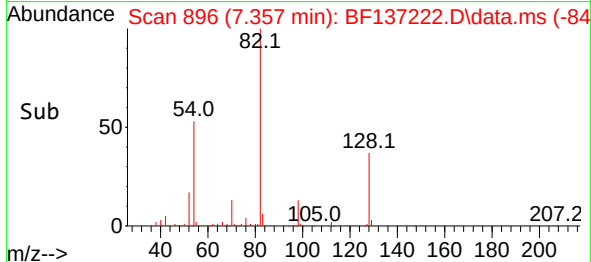
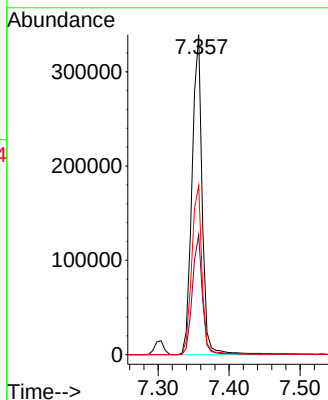
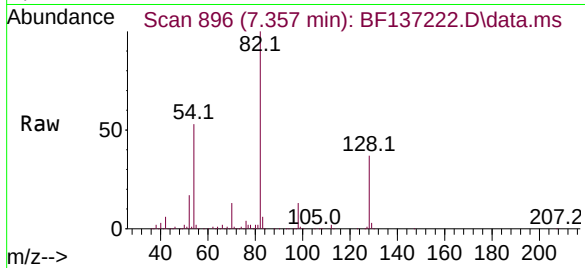




#23
Nitrobenzene-d5
Concen: 82.184 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

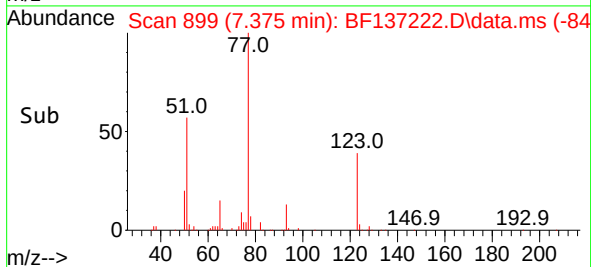
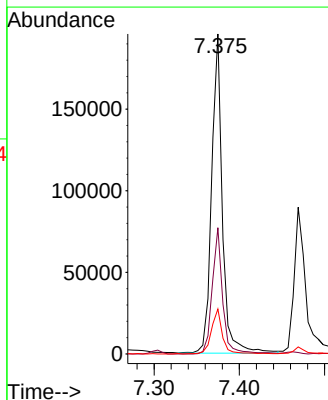
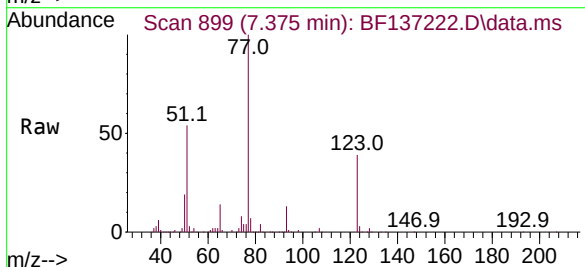
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

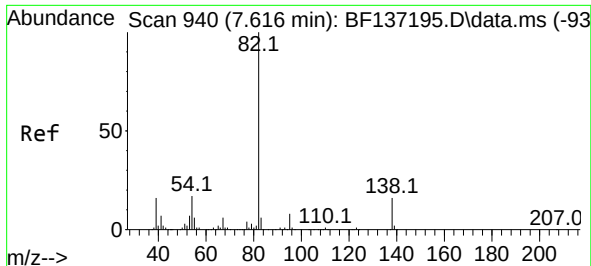
Tgt Ion: 82 Resp: 339154
Ion Ratio Lower Upper
82 100
128 37.5 29.1 43.7
54 52.9 45.0 67.6



#24
Nitrobenzene
Concen: 42.877 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion: 77 Resp: 171740
Ion Ratio Lower Upper
77 100
123 39.4 29.3 43.9
65 14.1 12.0 18.0

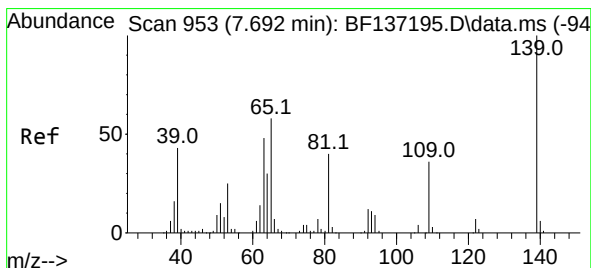
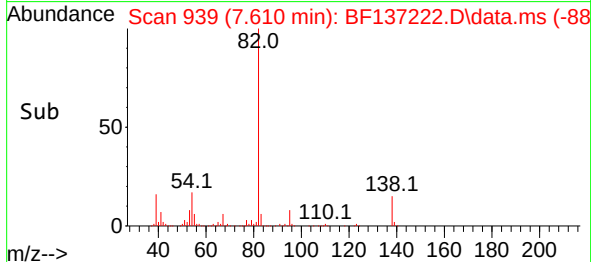
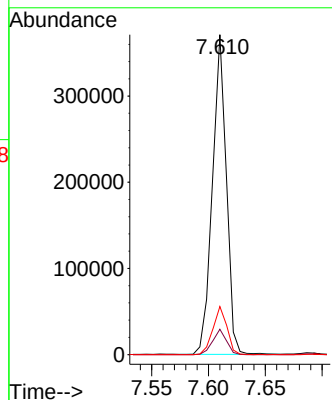
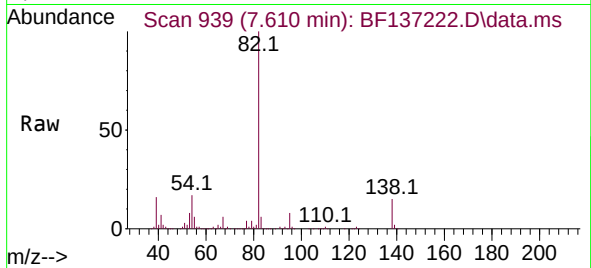




#25
Isophorone
Concen: 41.651 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

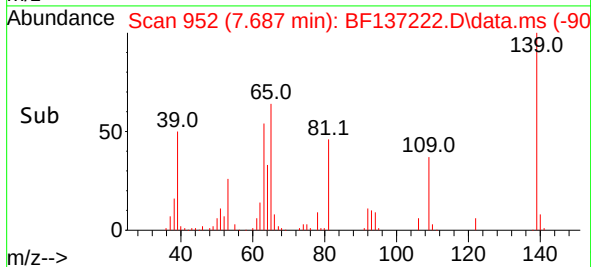
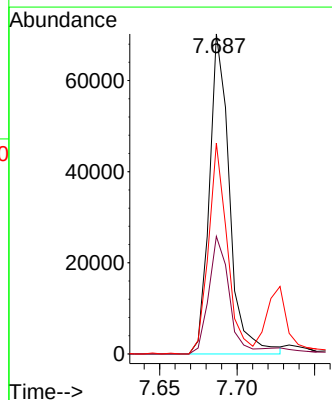
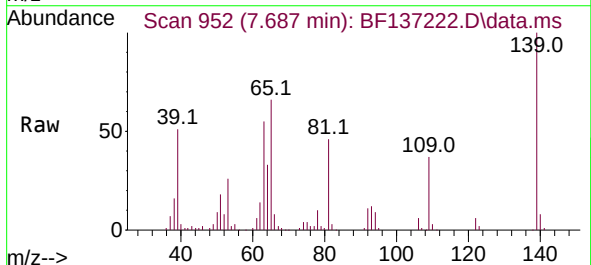
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

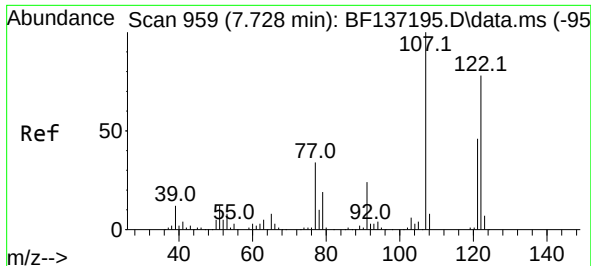
Tgt Ion: 82 Resp: 317259
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 15.0 12.7 19.1



#26
2-Nitrophenol
Concen: 41.367 ng
RT: 7.687 min Scan# 952
Delta R.T. -0.005 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion: 139 Resp: 63593
Ion Ratio Lower Upper
139 100
109 36.7 28.5 42.7
65 65.9 46.7 70.1

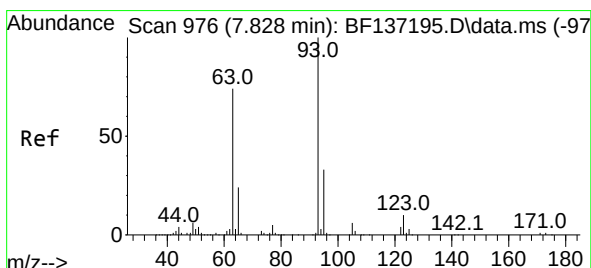
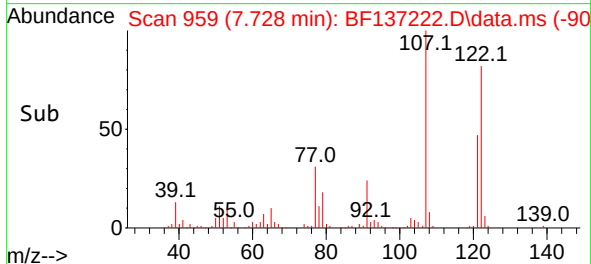
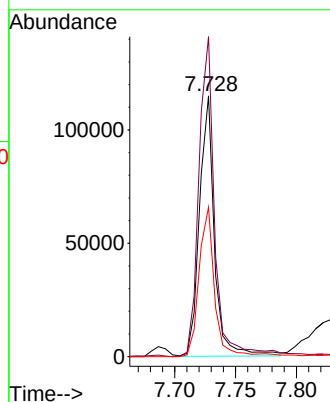
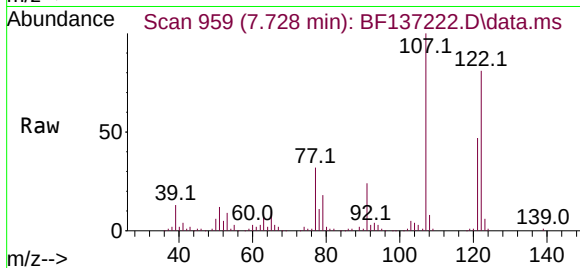




#27
2,4-Dimethylphenol
Concen: 45.273 ng
RT: 7.728 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

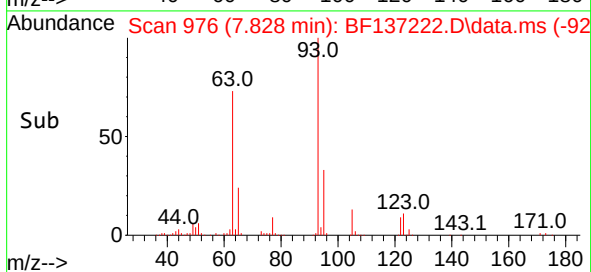
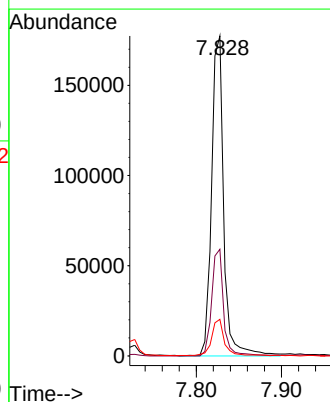
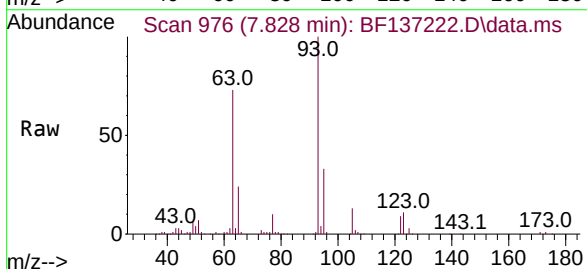
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

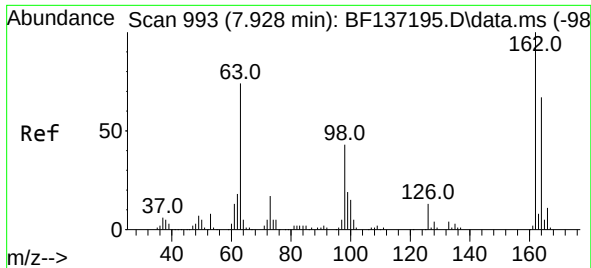
Tgt Ion:	122	Resp:	98568
Ion	Ratio	Lower	Upper
122	100		
107	122.8	101.8	152.6
121	57.3	46.6	69.8



#28
bis(2-Chloroethoxy)methane
Concen: 43.343 ng
RT: 7.828 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	93	Resp:	175322
Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.1	39.1
123	11.4	7.8	11.8





#29

2,4-Dichlorophenol

Concen: 43.529 ng

RT: 7.928 min Scan# 993

Delta R.T. -0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

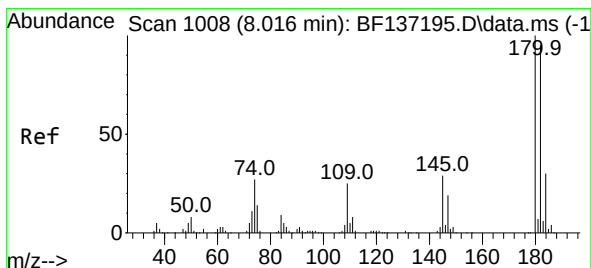
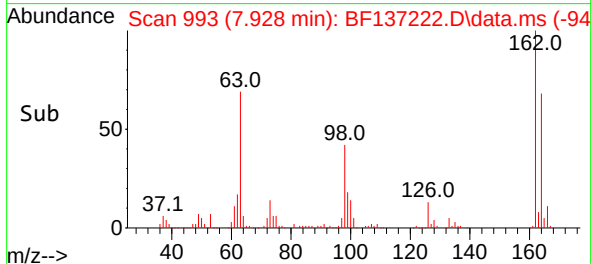
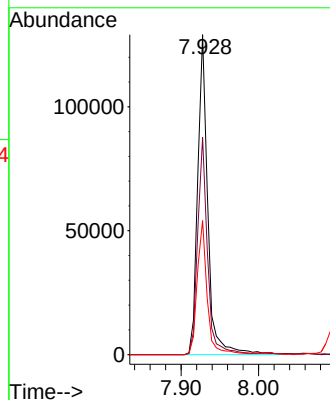
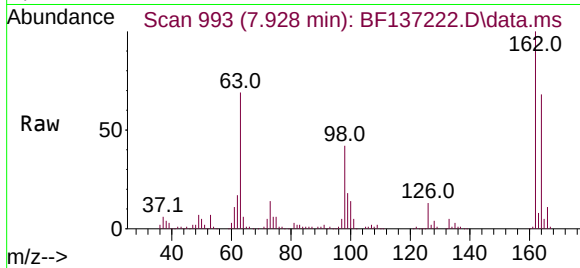
Tgt Ion:162 Resp: 117568

Ion Ratio Lower Upper

162 100

164 67.9 46.7 86.7

98 41.9 22.9 62.9



#30

1,2,4-Trichlorobenzene

Concen: 41.418 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

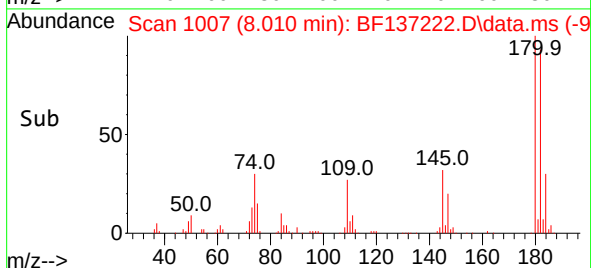
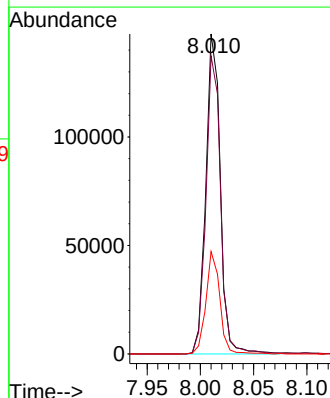
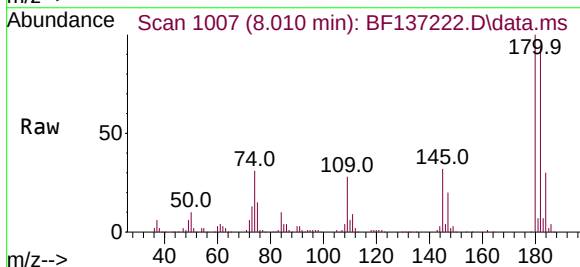
Tgt Ion:180 Resp: 138954

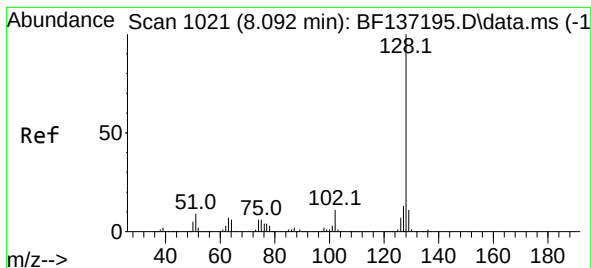
Ion Ratio Lower Upper

180 100

182 93.1 75.9 113.9

145 32.0 23.2 34.8





#31

Naphthalene

Concen: 40.895 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

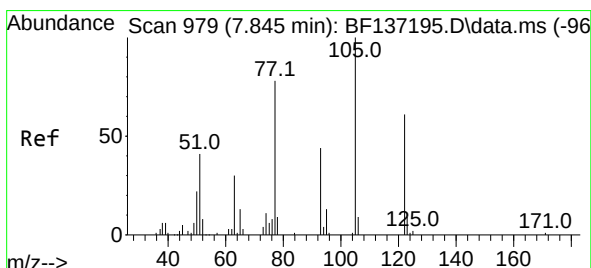
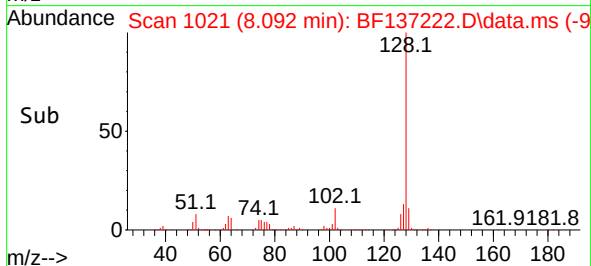
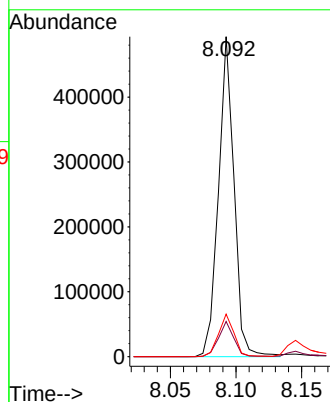
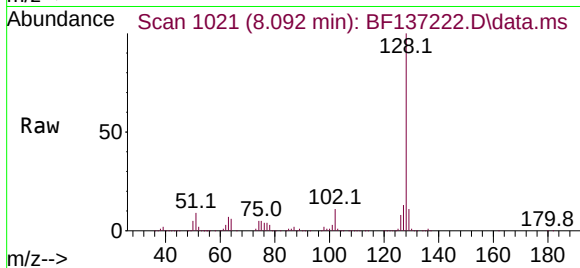
Tgt Ion:128 Resp: 408475

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

127 13.3 10.5 15.7



#32

Benzoic acid

Concen: 32.687 ng

RT: 7.834 min Scan# 977

Delta R.T. -0.011 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

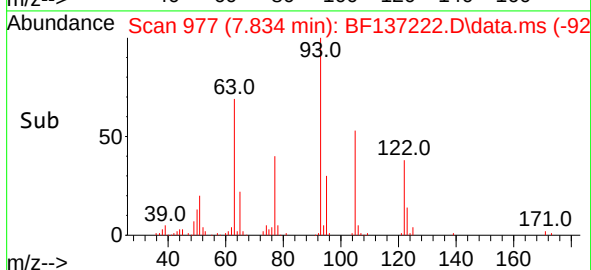
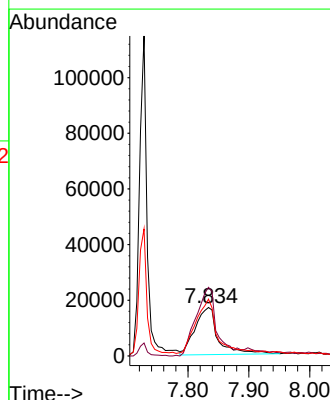
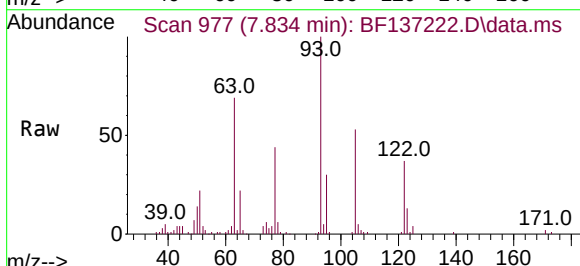
Tgt Ion:122 Resp: 44746

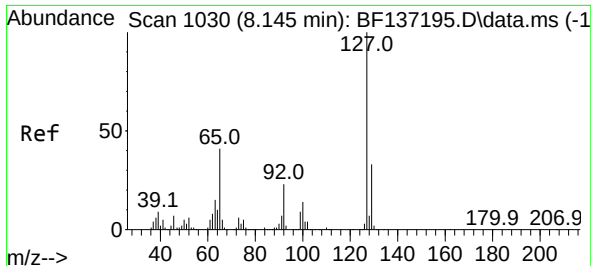
Ion Ratio Lower Upper

122 100

105 141.7 122.5 162.5

77 117.4 96.4 136.4

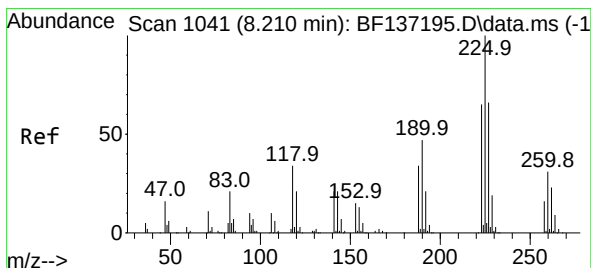
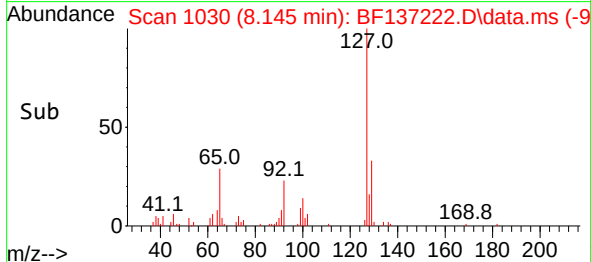
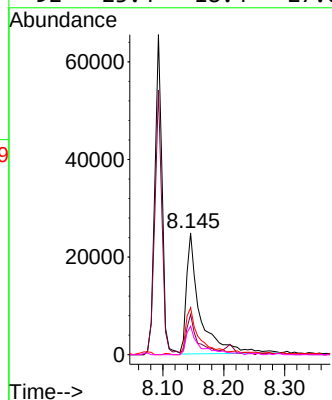
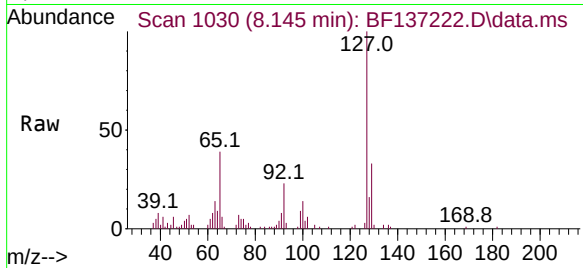




#33
4-Chloroaniline
Concen: 11.227 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

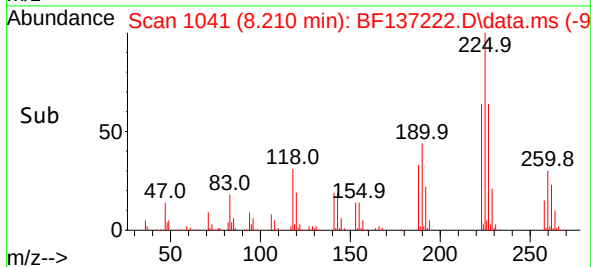
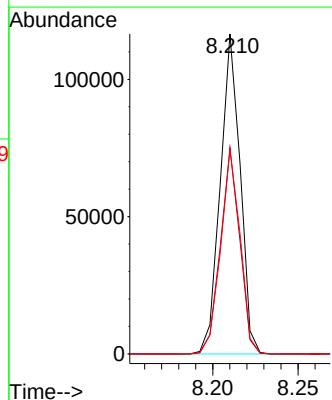
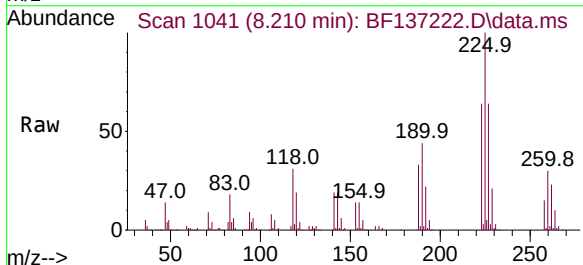
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

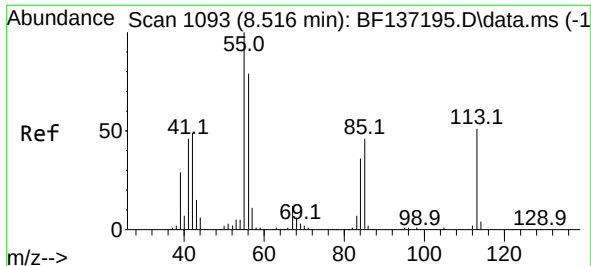
Tgt Ion:	127	Resp:	38575
Ion Ratio	Lower	Upper	
127	100		
129	32.9	26.8	40.2
65	38.6	32.9	49.3
92	23.4	18.4	27.6



#34
Hexachlorobutadiene
Concen: 42.161 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	225	Resp:	94051
Ion Ratio	Lower	Upper	
225	100		
223	64.3	52.0	78.0
227	64.0	52.9	79.3

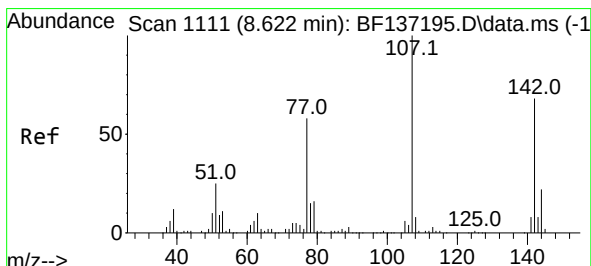
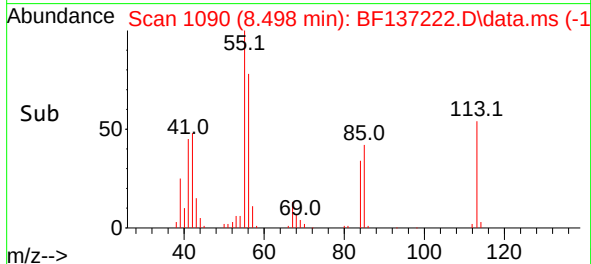
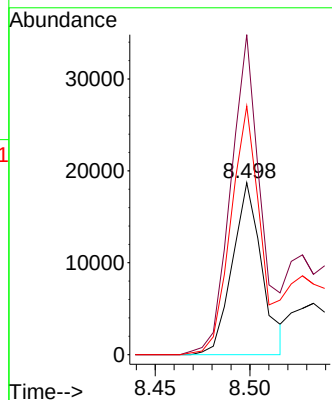
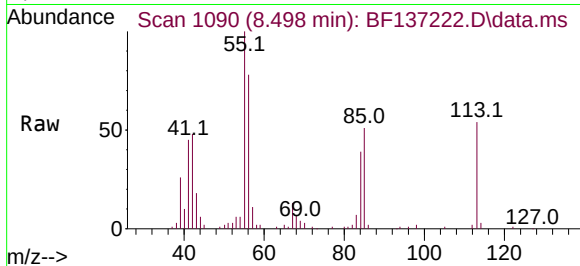




#35
 Caprolactam
 Concen: 24.119 ng
 RT: 8.498 min Scan# 1090
 Delta R.T. -0.017 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

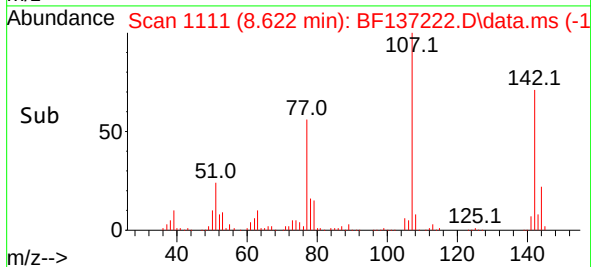
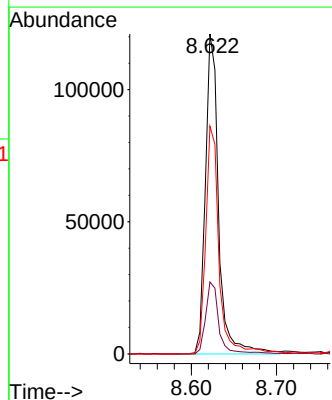
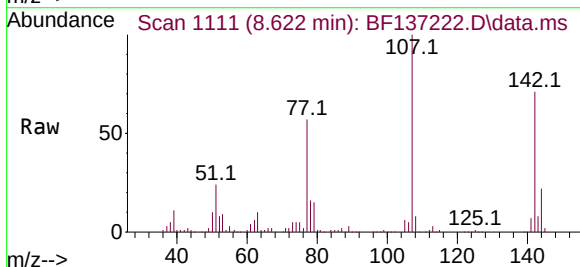
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126MSD

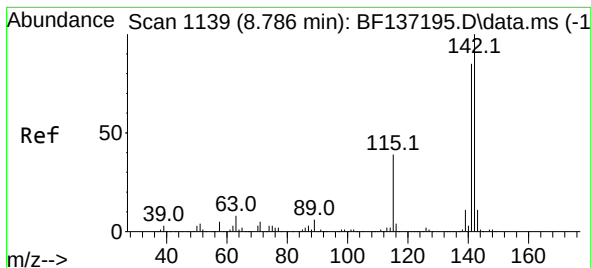
Tgt Ion:	113	Resp:	20256
Ion	Ratio	Lower	Upper
113	100		
55	186.1	176.0	216.0
56	144.5	134.0	174.0



#36
 4-Chloro-3-methylphenol
 Concen: 40.860 ng
 RT: 8.622 min Scan# 1111
 Delta R.T. 0.000 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

Tgt Ion:	107	Resp:	130349
Ion	Ratio	Lower	Upper
107	100		
144	22.5	17.2	25.8
142	71.1	54.6	82.0





#37

2-Methylnaphthalene

Concen: 40.914 ng

RT: 8.787 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

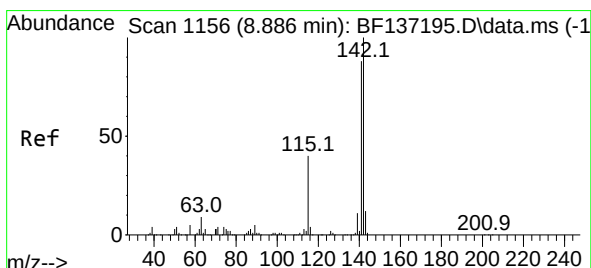
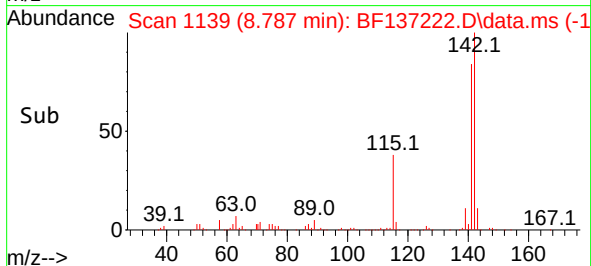
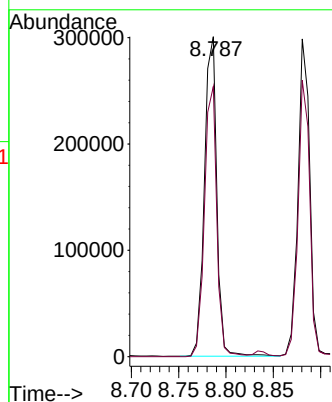
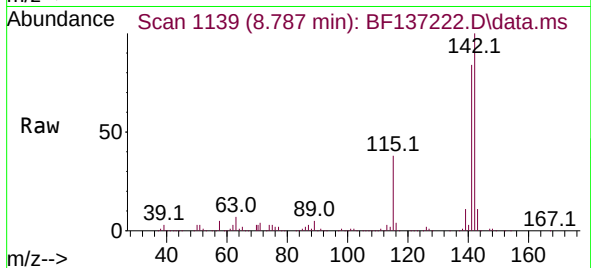
WC-SOIL-20240126MSD

Tgt Ion:142 Resp: 273975

Ion Ratio Lower Upper

142 100

141 84.4 67.8 101.8



#38

1-Methylnaphthalene

Concen: 41.404 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF137222.D

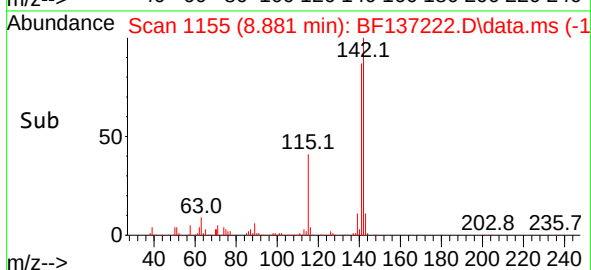
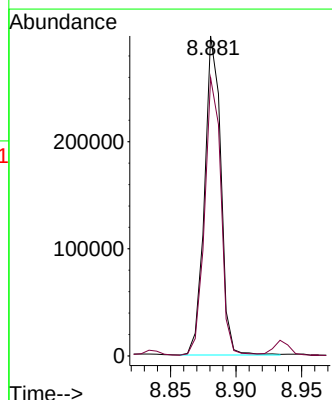
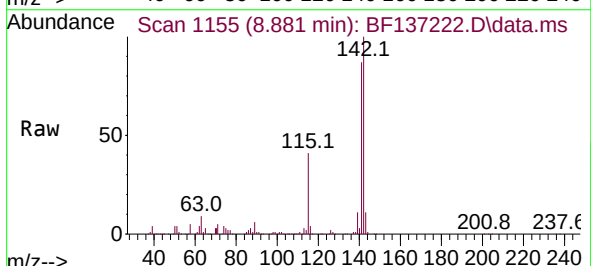
Acq: 31 Jan 2024 20:58

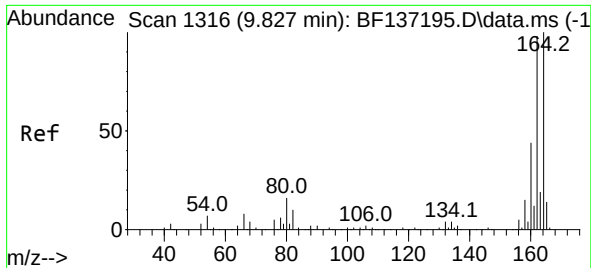
Tgt Ion:142 Resp: 257522

Ion Ratio Lower Upper

142 100

141 86.9 70.6 105.8

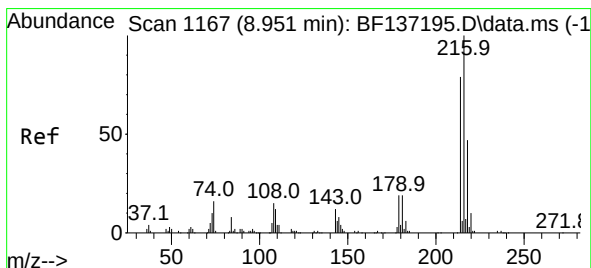
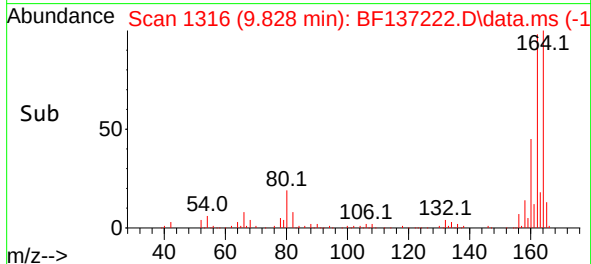
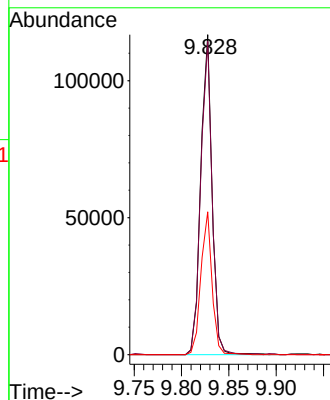
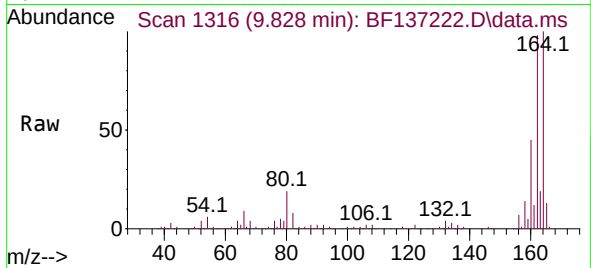




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.001 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

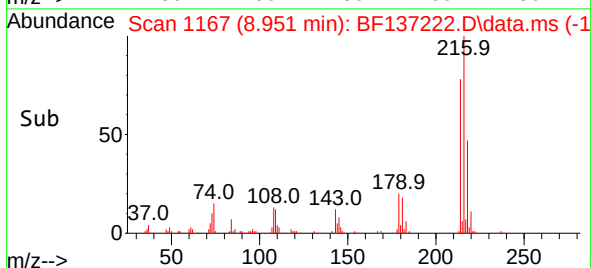
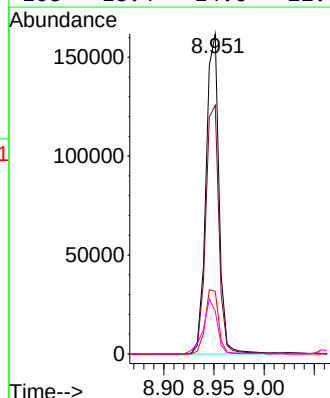
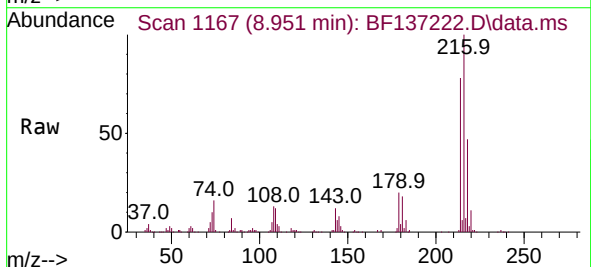
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

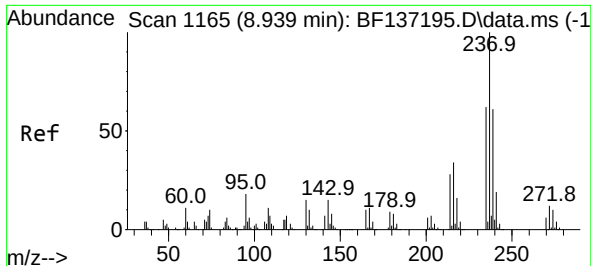
Tgt Ion:164	Resp:	96556
Ion Ratio	Lower	Upper
164	100	
162	97.9	78.3 117.5
160	44.6	35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.963 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:216	Resp:	145268
Ion Ratio	Lower	Upper
216	100	
214	79.5	63.9 95.9
179	20.5	16.2 24.2
108	18.4	14.6 22.0

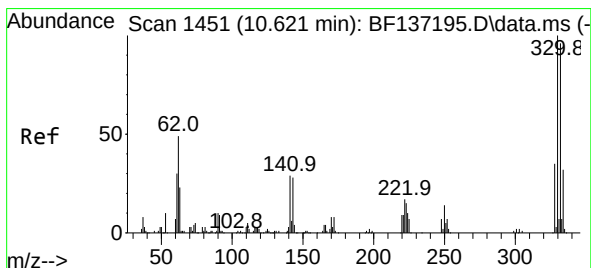
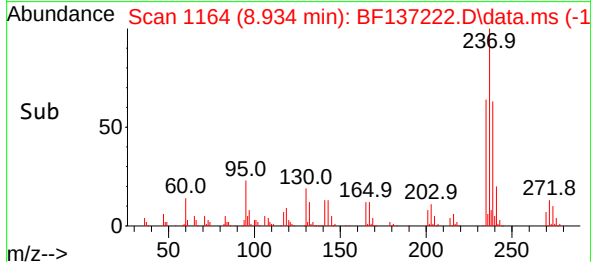
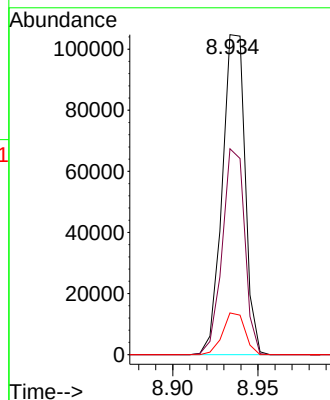
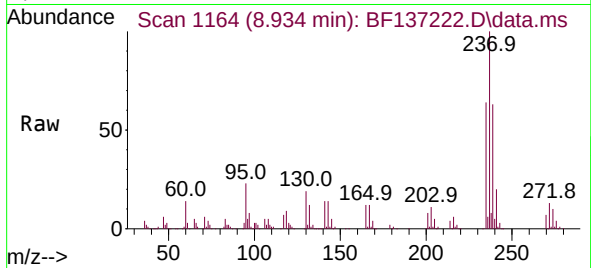




#41
Hexachlorocyclopentadiene
Concen: 63.383 ng
RT: 8.934 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

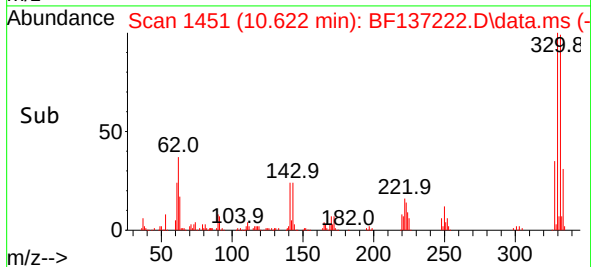
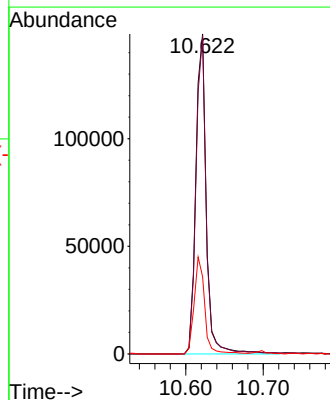
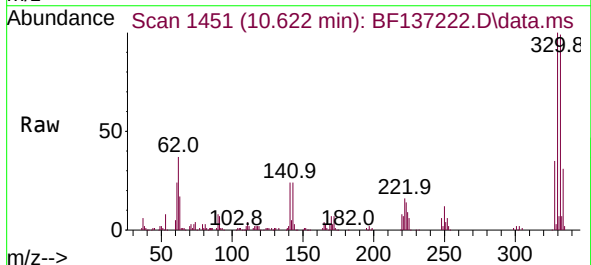
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

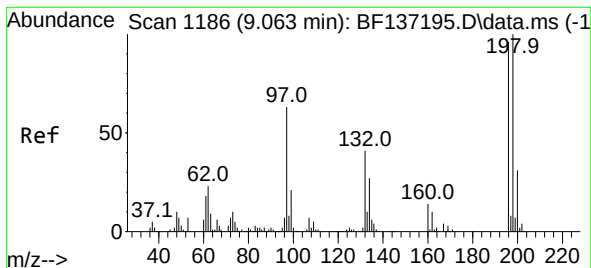
Tgt Ion:237 Resp: 97535
Ion Ratio Lower Upper
237 100
235 64.3 41.6 81.6
272 13.0 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 127.634 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:330 Resp: 139180
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 30.3 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 47.502 ng

RT: 9.063 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

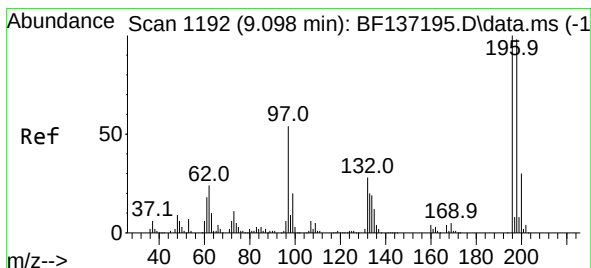
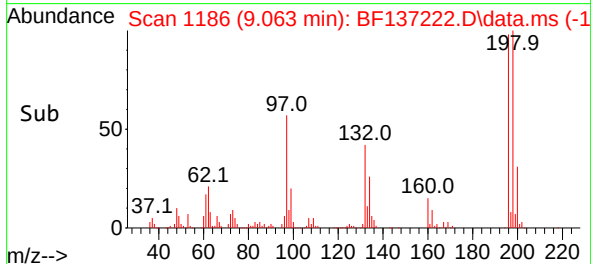
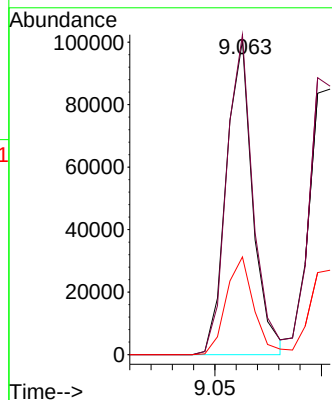
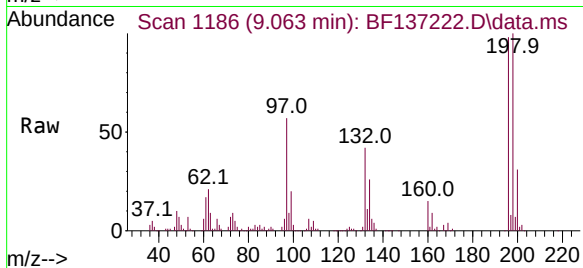
Tgt Ion:196 Resp: 87049

Ion Ratio Lower Upper

196 100

198 101.9 83.0 124.6

200 31.1 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 45.200 ng

RT: 9.104 min Scan# 1193

Delta R.T. 0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Tgt Ion:196 Resp: 90539

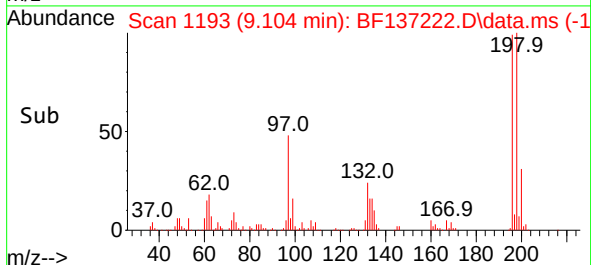
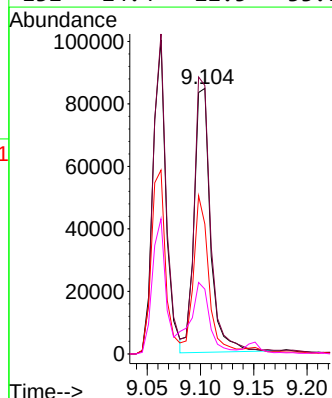
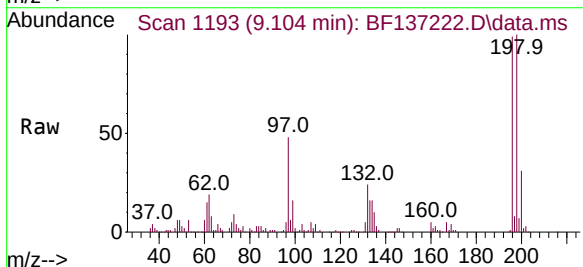
Ion Ratio Lower Upper

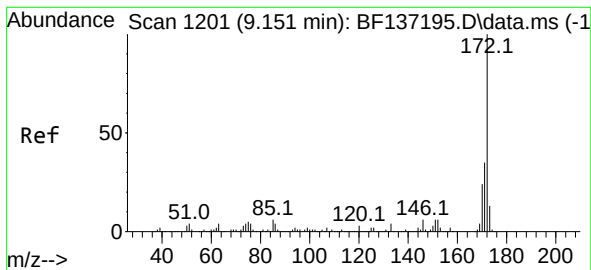
196 100

198 101.1 78.2 117.4

97 48.9 44.2 66.2

132 24.4 22.5 33.7





#45

2-Fluorobiphenyl

Concen: 86.887 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

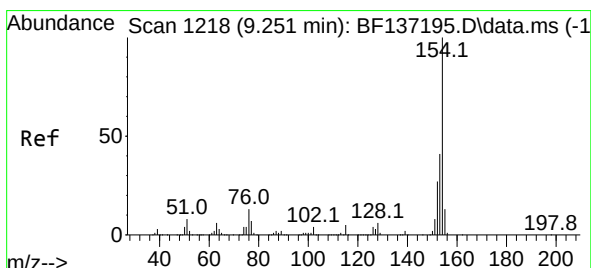
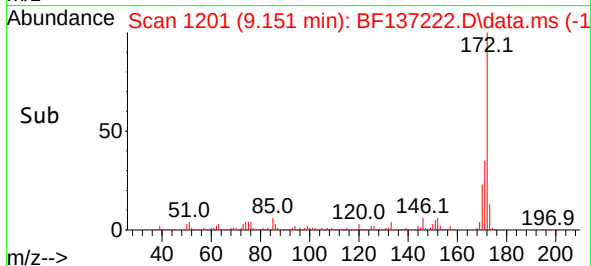
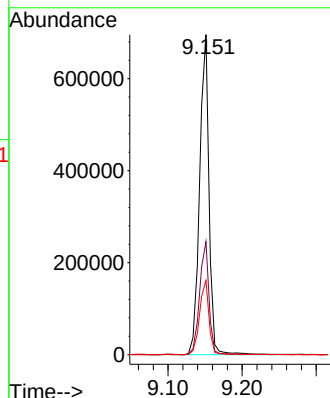
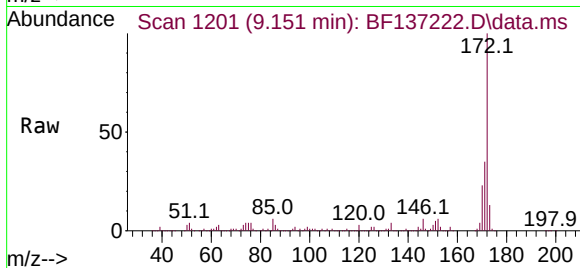
Tgt Ion:172 Resp: 610288

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 45.708 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

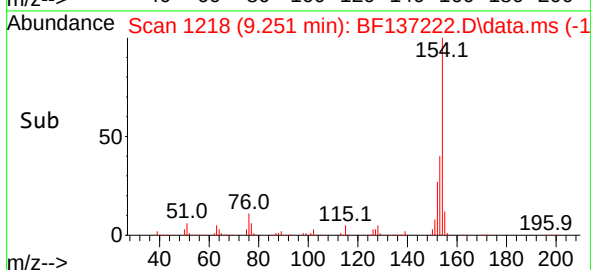
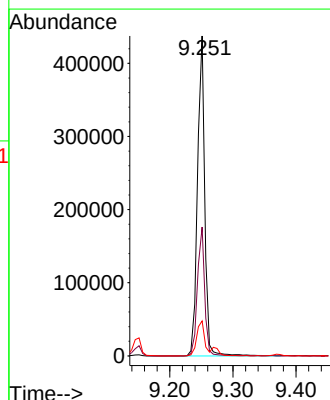
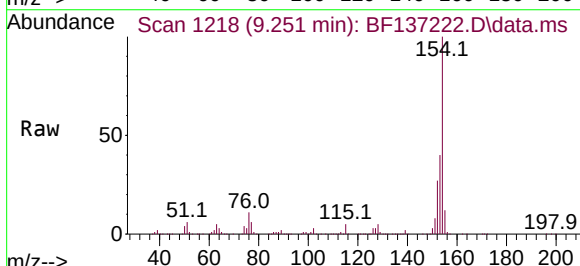
Tgt Ion:154 Resp: 351139

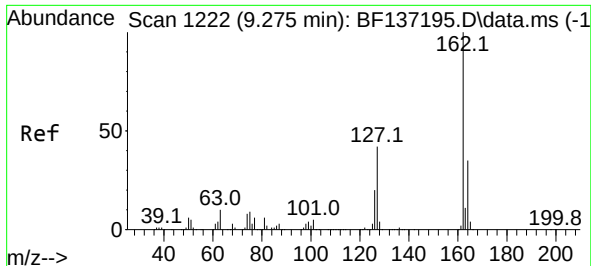
Ion Ratio Lower Upper

154 100

153 40.3 21.2 61.2

76 10.9 0.0 33.0

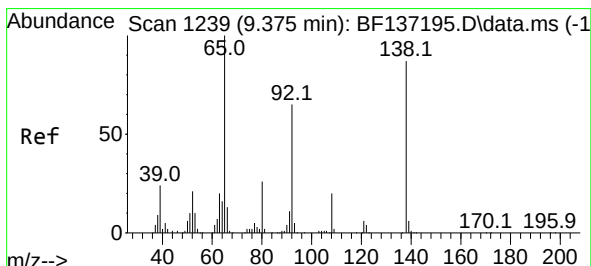
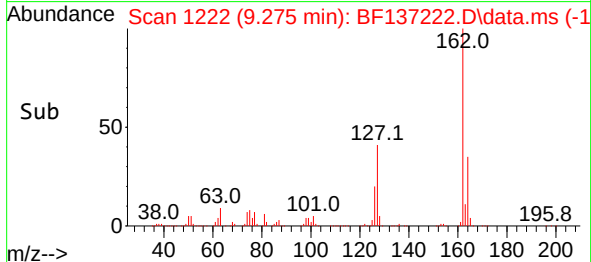
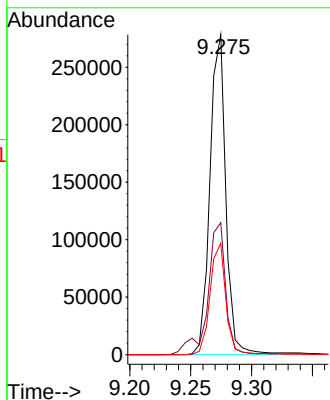
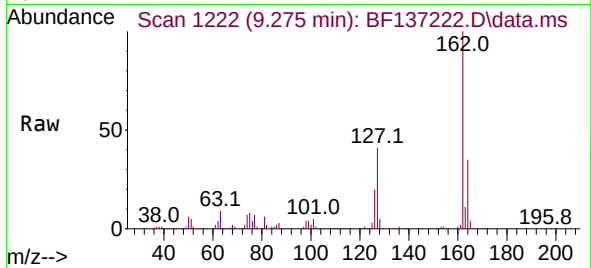




#47
2-Chloronaphthalene
Concen: 44.476 ng
RT: 9.275 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

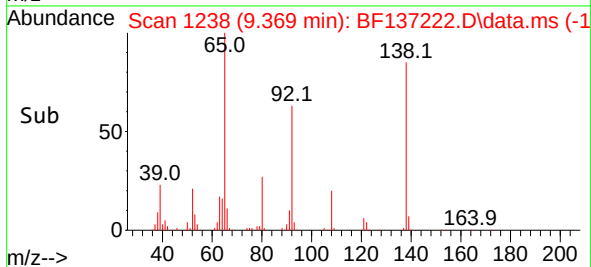
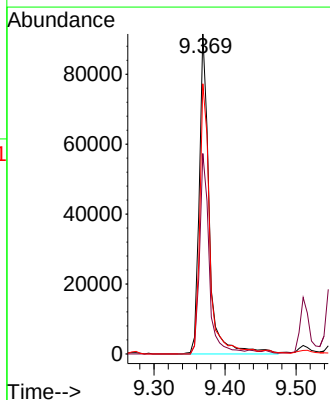
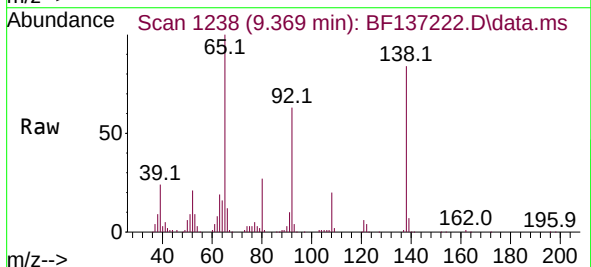
Instrument : BNA_F
ClientSampleId : WC-SOIL-20240126MSD

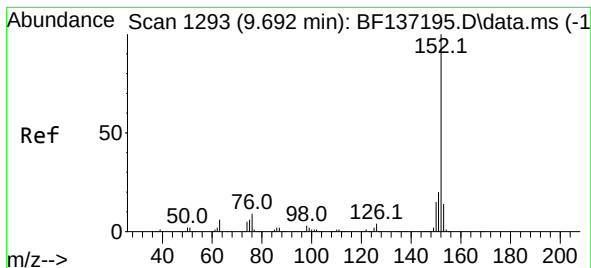
Tgt Ion:	162	Resp:	252859
Ion Ratio	Lower	Upper	
162	100		
127	41.2	34.1	51.1
164	34.8	27.9	41.9



#48
2-Nitroaniline
Concen: 48.506 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	65	Resp:	89257
Ion Ratio	Lower	Upper	
65	100		
92	62.6	51.7	77.5
138	84.4	69.7	104.5





#49

Acenaphthylene

Concen: 44.684 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

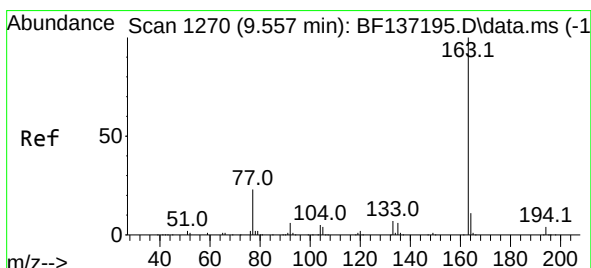
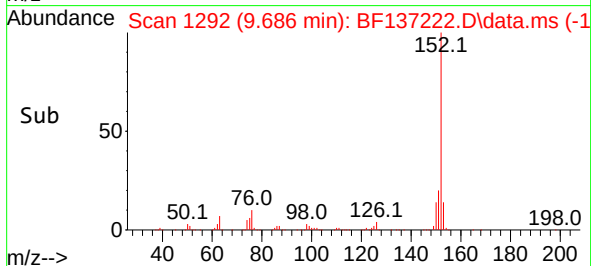
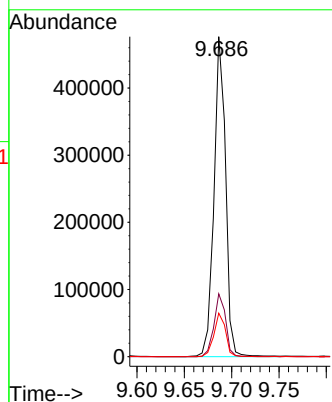
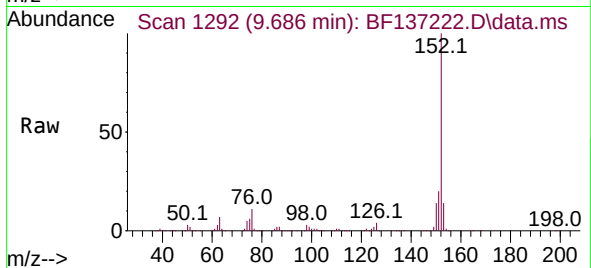
Tgt Ion:152 Resp: 406696

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

153 13.6 11.2 16.8



#50

Dimethylphthalate

Concen: 47.797 ng

RT: 9.551 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

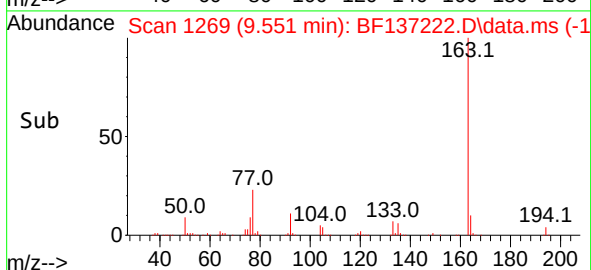
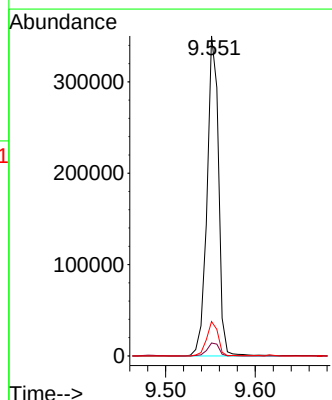
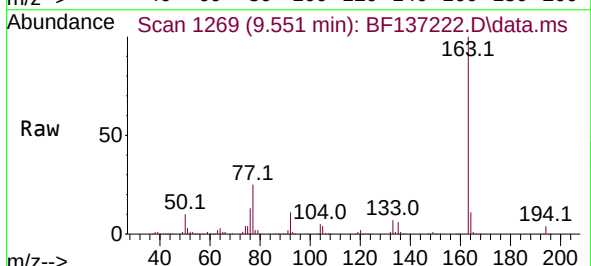
Tgt Ion:163 Resp: 311781

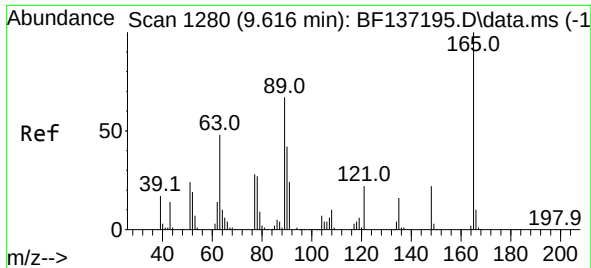
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.7 8.6 13.0

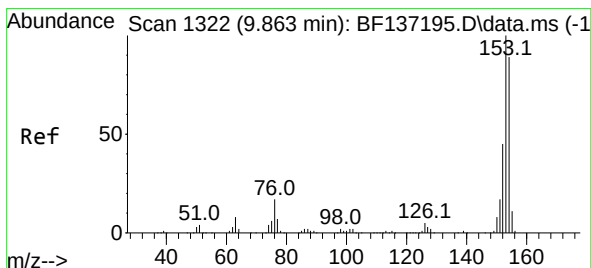
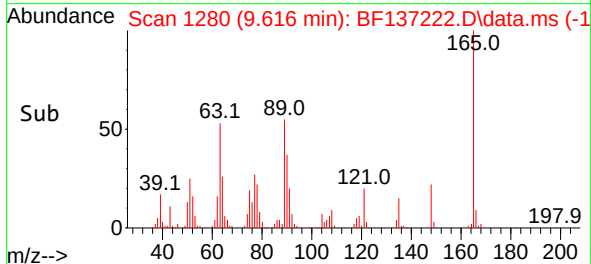
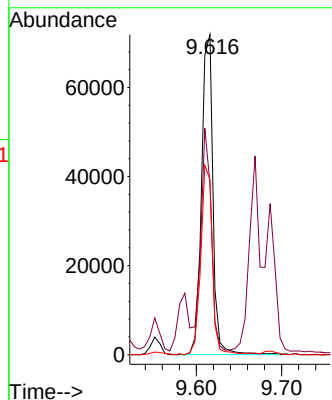
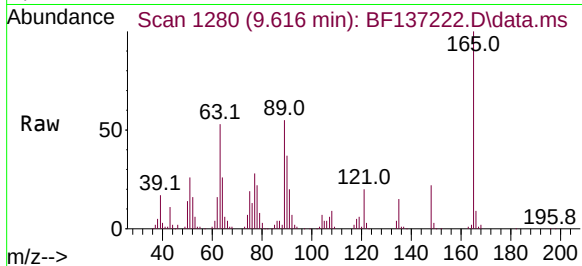




#51
2,6-Dinitrotoluene
Concen: 47.896 ng
RT: 9.616 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

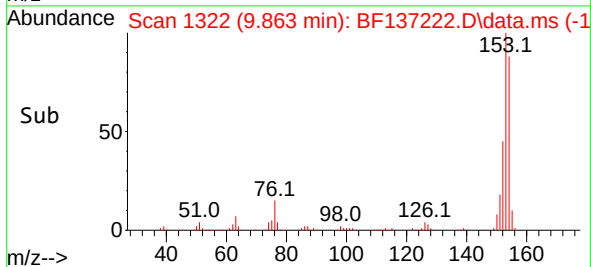
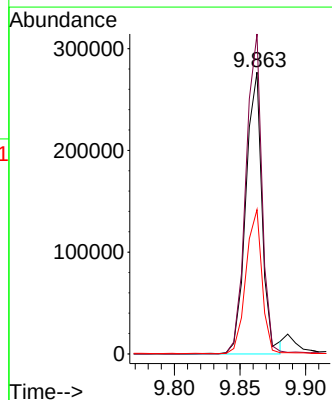
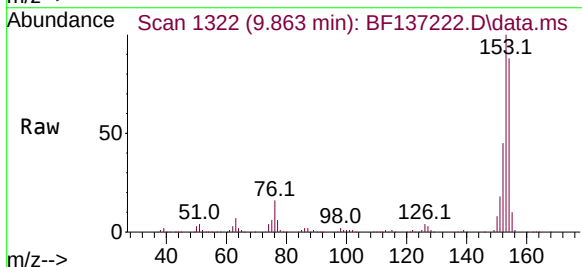
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

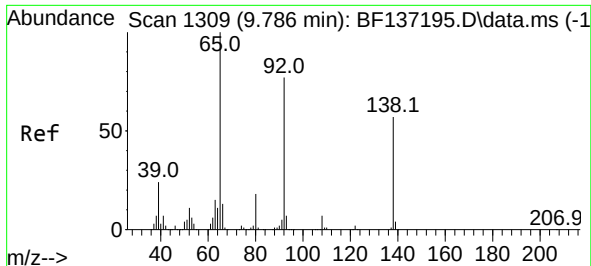
Tgt Ion:165 Resp: 66622
Ion Ratio Lower Upper
165 100
63 53.3 55.1 82.7#
89 54.7 53.5 80.3



#52
Acenaphthene
Concen: 44.678 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:154 Resp: 238993
Ion Ratio Lower Upper
154 100
153 113.6 90.2 135.4
152 51.2 40.6 60.8

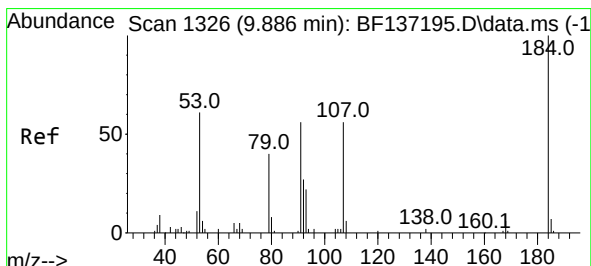
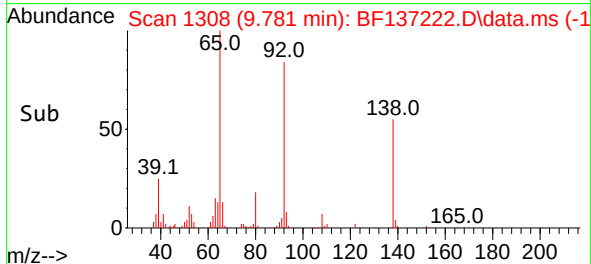
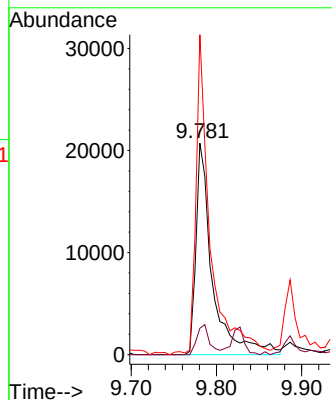
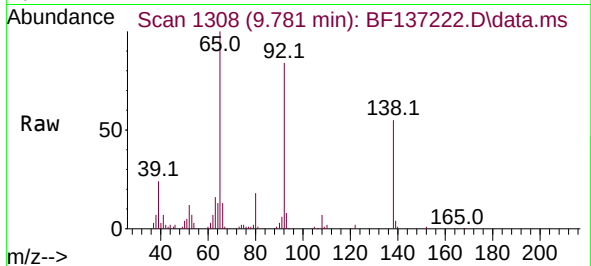




#53
3-Nitroaniline
Concen: 22.129 ng
RT: 9.781 min Scan# 1309
Delta R.T. -0.005 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

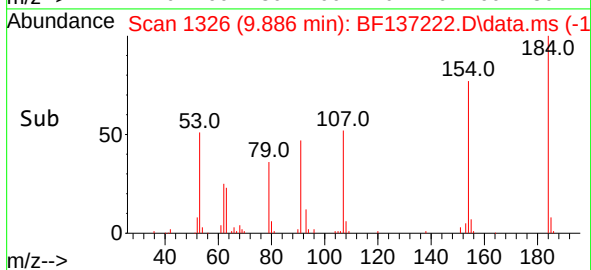
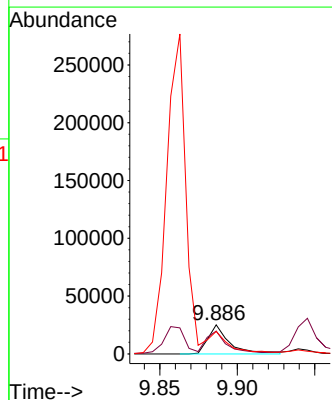
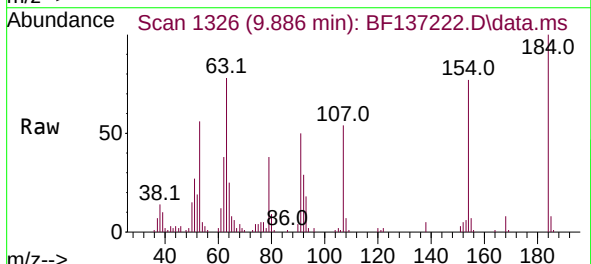
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

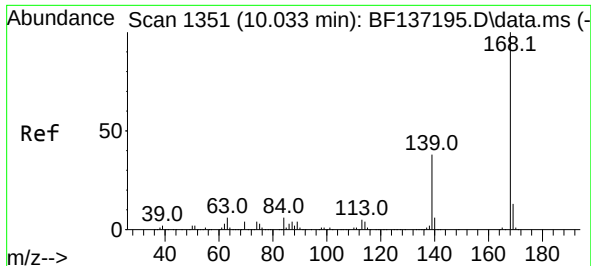
Tgt Ion:138 Resp: 27700
Ion Ratio Lower Upper
138 100
108 12.4 10.4 15.6
92 151.4 108.6 162.8



#54
2,4-Dinitrophenol
Concen: 45.072 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:184 Resp: 24261
Ion Ratio Lower Upper
184 100
63 78.2 71.2 106.8
154 77.1 64.9 97.3

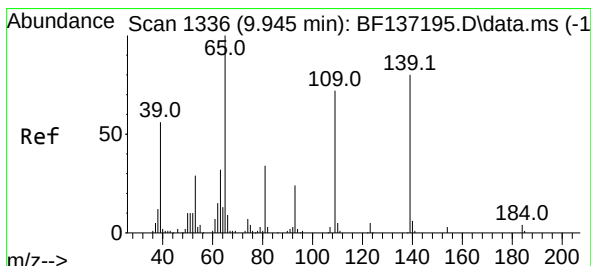
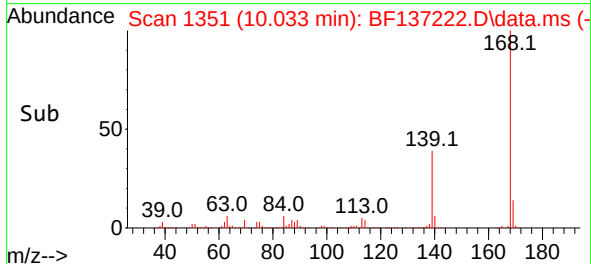
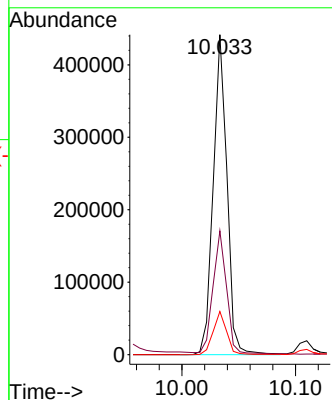
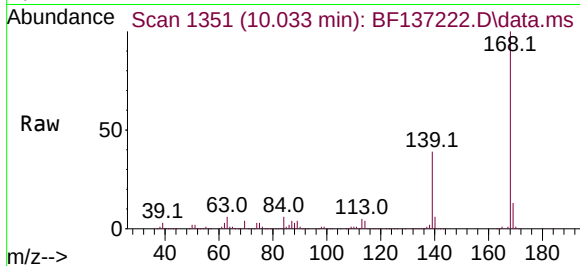




#55
Dibenzenofuran
Concen: 43.662 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

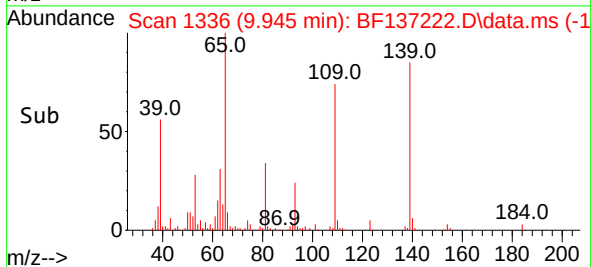
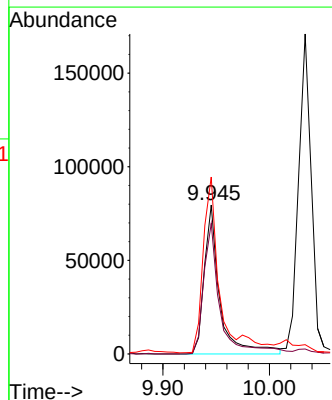
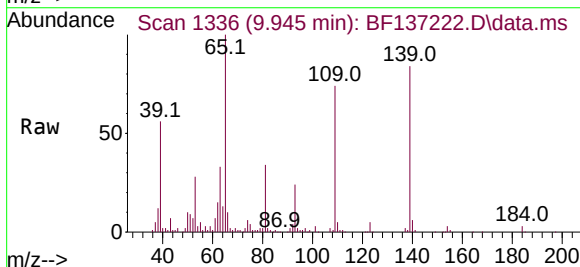
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

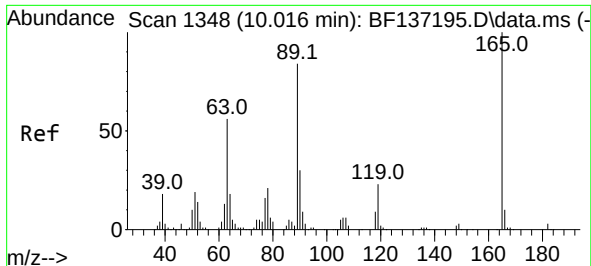
Tgt Ion:	168	Resp:	371590
Ion Ratio	Lower	Upper	
168	100		
139	38.7	31.1	46.7
169	13.5	10.6	16.0



#56
4-Nitrophenol
Concen: 87.175 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	139	Resp:	80857
Ion Ratio	Lower	Upper	
139	100		
109	87.6	70.4	110.4
65	118.8	107.6	147.6

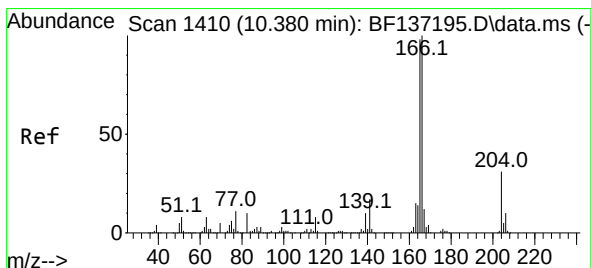
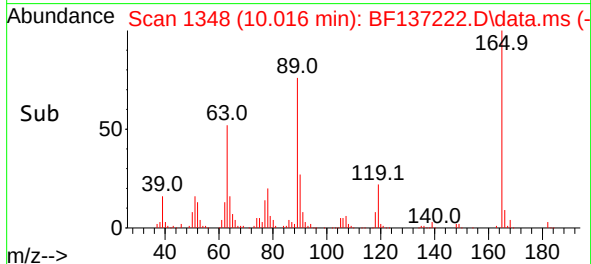
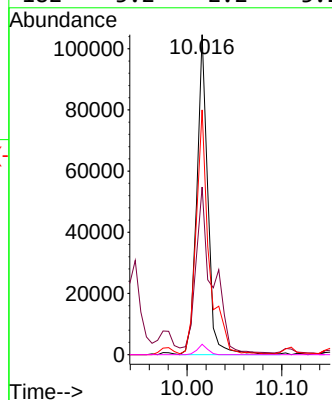
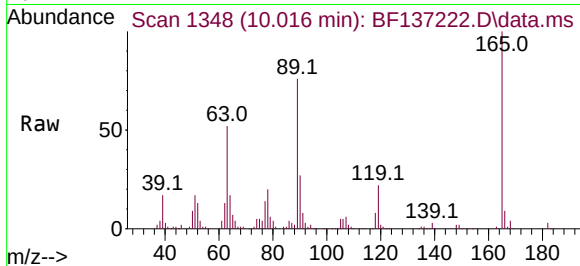




#57
2,4-Dinitrotoluene
Concen: 47.060 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

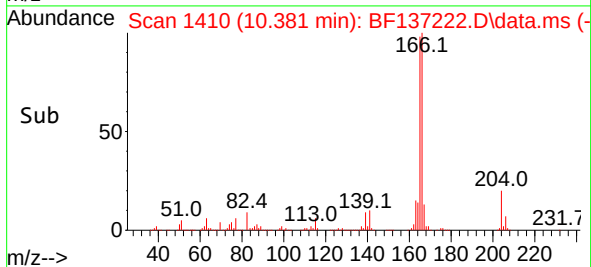
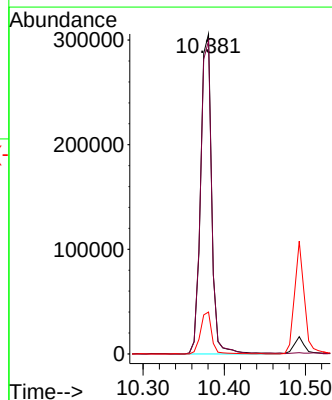
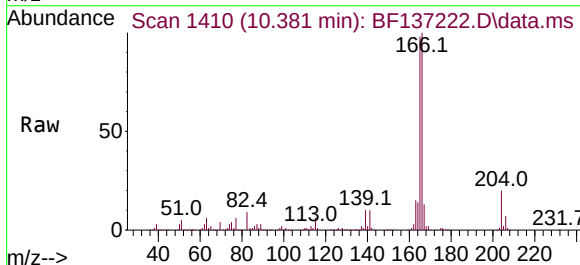
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

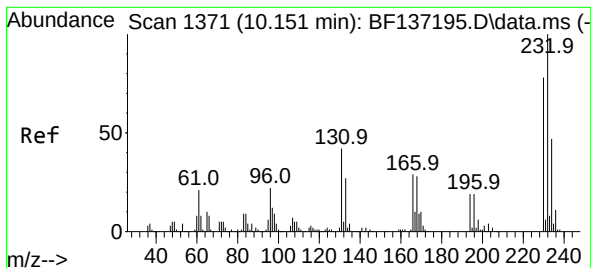
Tgt Ion:165 Resp: 84936
Ion Ratio Lower Upper
165 100
63 52.4 46.1 69.1
89 76.5 67.5 101.3
182 3.2 2.2 3.2



#58
Fluorene
Concen: 43.050 ng
RT: 10.381 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:166 Resp: 287224
Ion Ratio Lower Upper
166 100
165 97.8 78.5 117.7
167 13.1 10.0 15.0

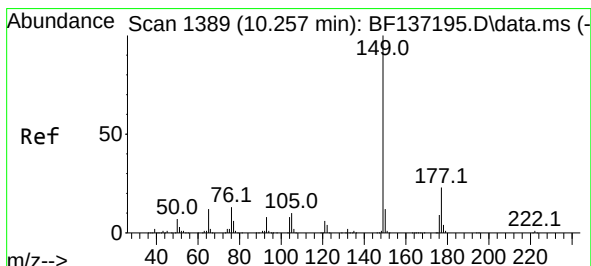
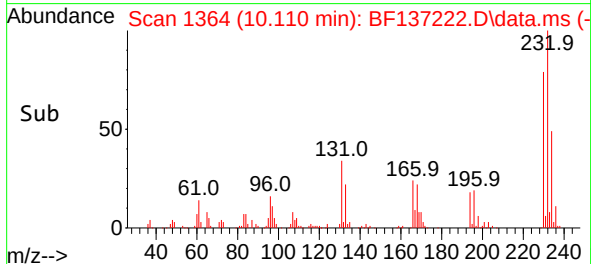
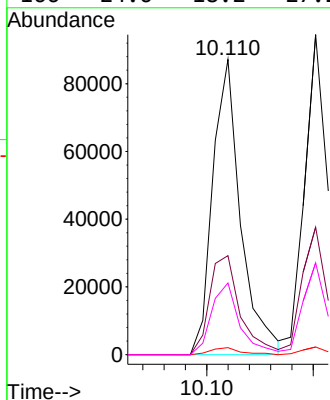
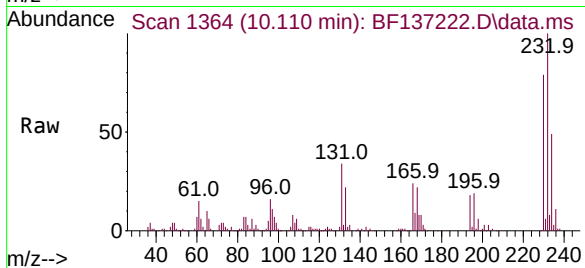




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.578 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.041 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

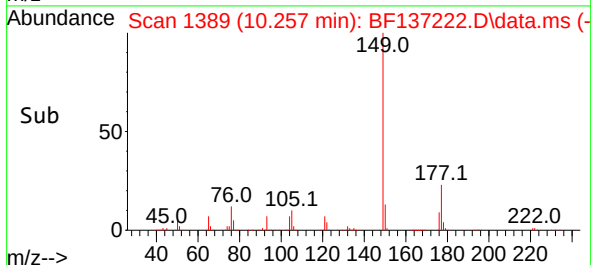
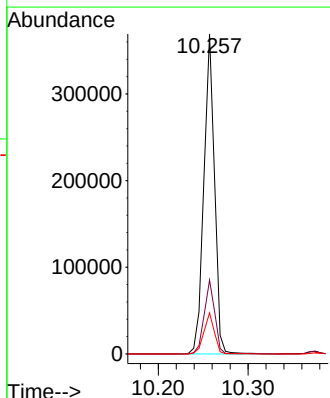
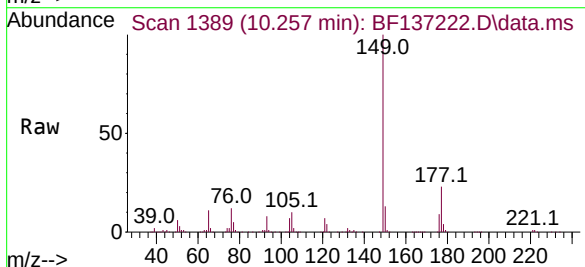
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

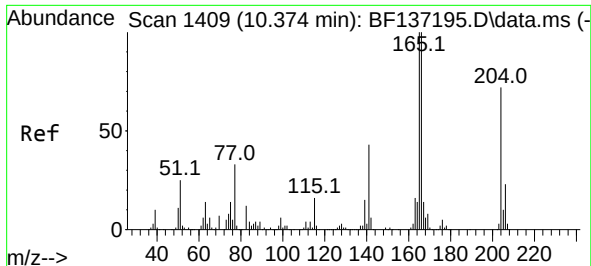
Tgt Ion:232	Resp:	79356
Ion Ratio	Lower	Upper
232	100	
131	36.9	27.4 41.2
130	2.5	1.7 2.5
166	24.6	18.2 27.2



#60
Diethylphthalate
Concen: 47.407 ng
RT: 10.257 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:149	Resp:	304488
Ion Ratio	Lower	Upper
149	100	
177	23.1	18.0 27.0
150	12.8	9.6 14.4

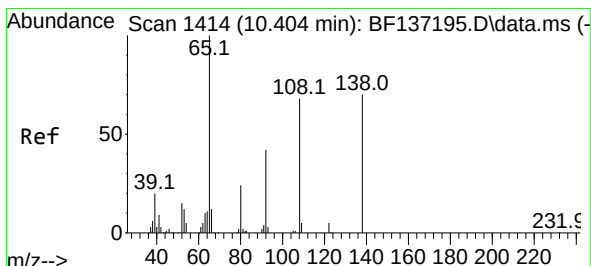
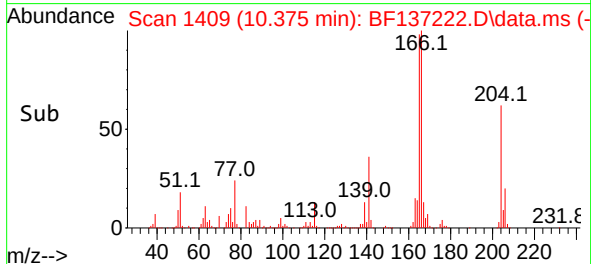
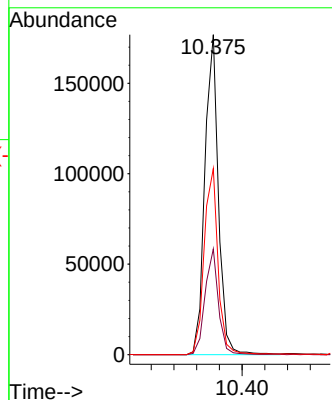
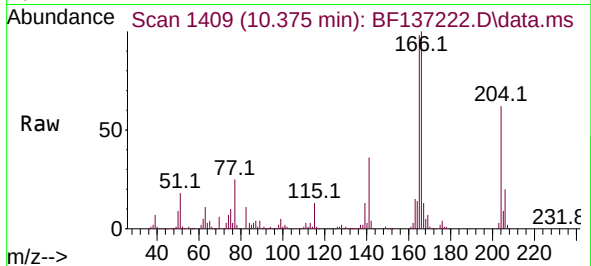




#61
4-Chlorophenyl-phenylether
Concen: 44.217 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

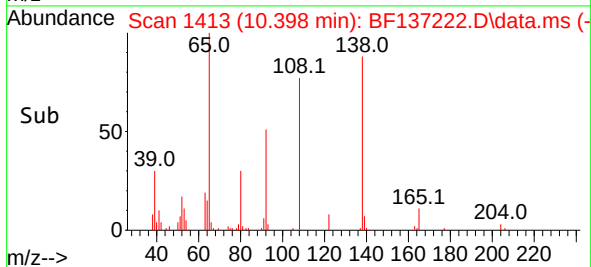
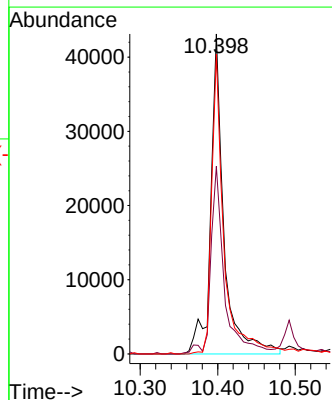
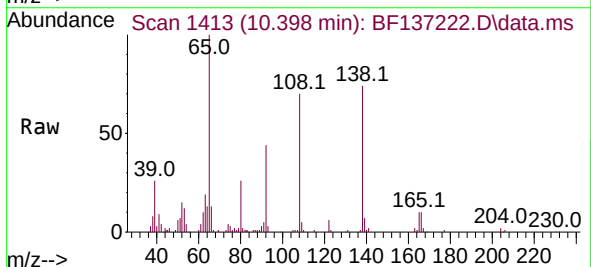
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

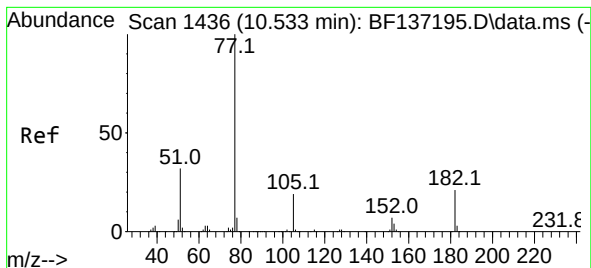
Tgt Ion:204 Resp: 146639
Ion Ratio Lower Upper
204 100
206 33.0 25.5 38.3
141 58.1 48.3 72.5



#62
4-Nitroaniline
Concen: 42.860 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:138 Resp: 51353
Ion Ratio Lower Upper
138 100
92 58.6 39.3 79.3
108 93.6 75.3 115.3





#63

Azobenzene

Concen: 42.434 ng

RT: 10.533 min Scan# 1436

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

Tgt Ion: 77 Resp: 301843

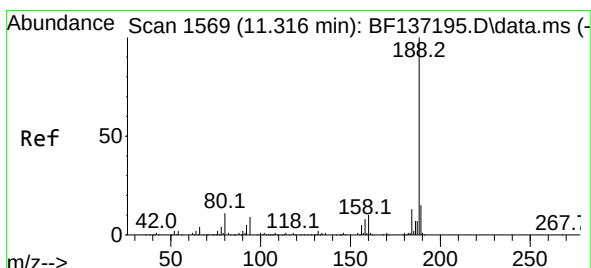
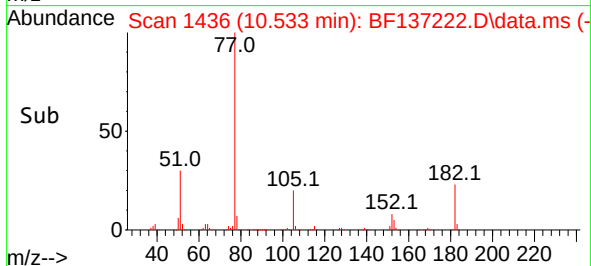
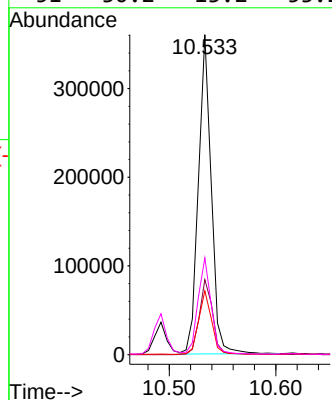
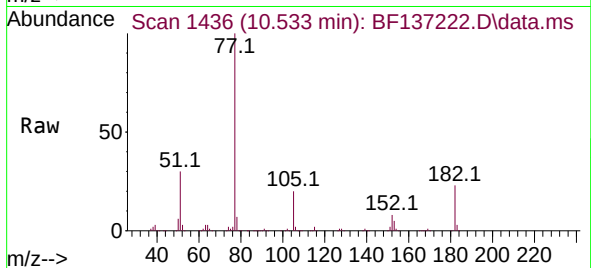
Ion Ratio Lower Upper

77 100

182 23.4 1.1 41.1

105 19.9 0.0 38.9

51 30.2 13.2 53.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

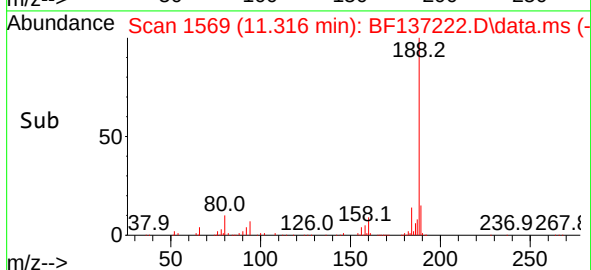
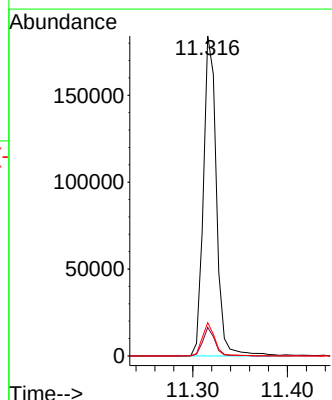
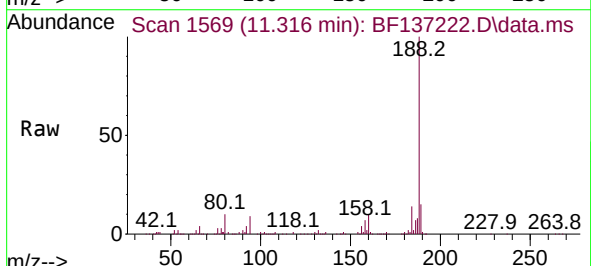
Tgt Ion: 188 Resp: 176377

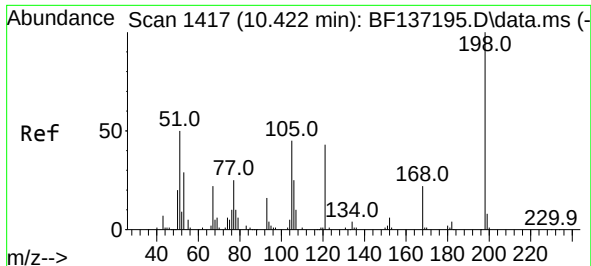
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

80 10.4 8.8 13.2

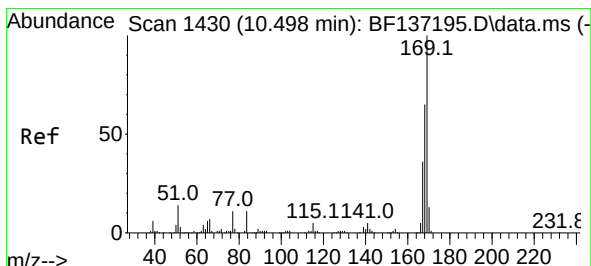
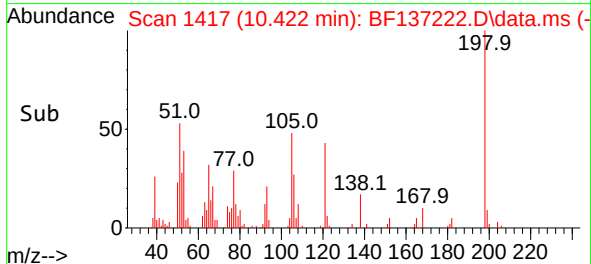
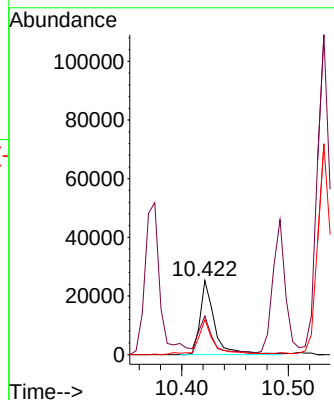
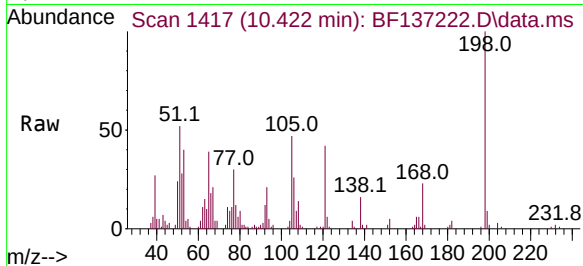




#65
4,6-Dinitro-2-methylphenol
Concen: 27.747 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

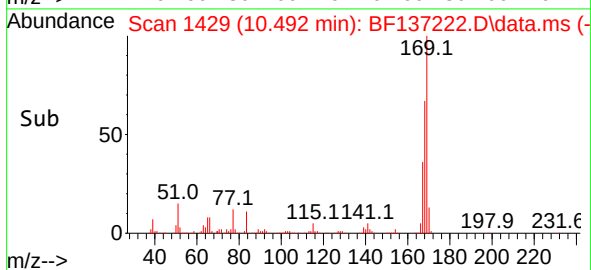
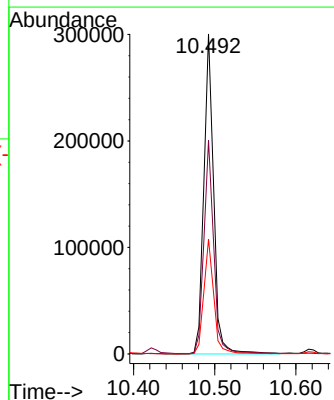
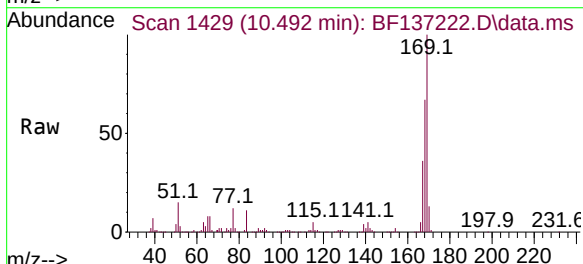
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

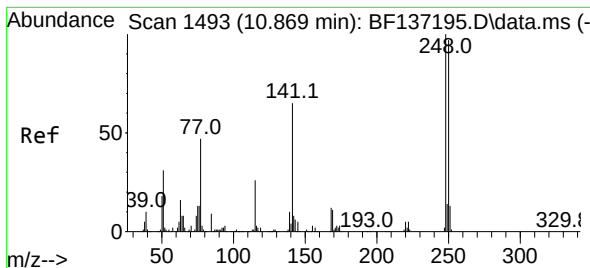
Tgt Ion:198 Resp: 23498
Ion Ratio Lower Upper
198 100
51 52.1 40.9 80.9
105 47.1 26.5 66.5



#66
n-Nitrosodiphenylamine
Concen: 47.210 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:169 Resp: 253182
Ion Ratio Lower Upper
169 100
168 66.8 51.9 77.9
167 35.9 29.0 43.6

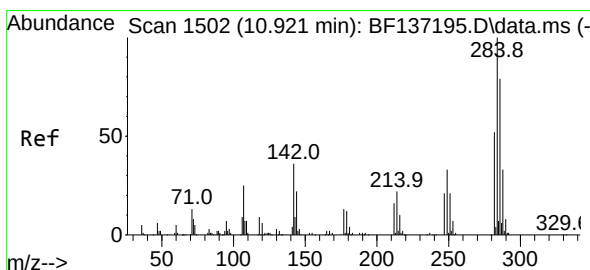
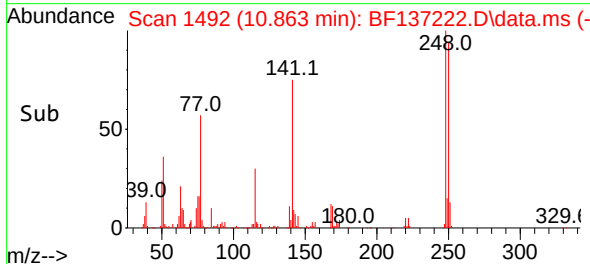
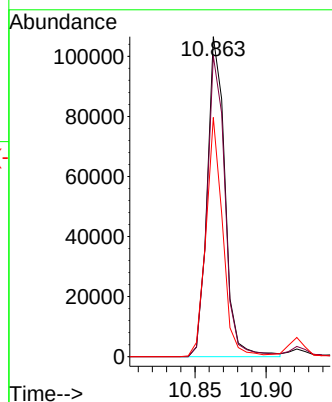
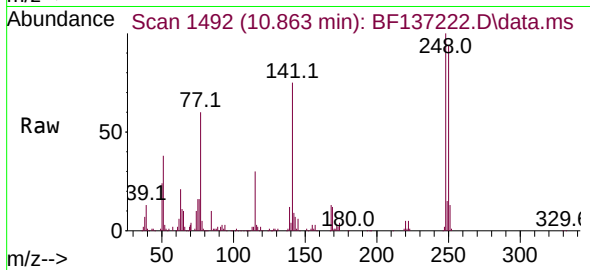




#67
4-Bromophenyl-phenylether
Concen: 47.814 ng
RT: 10.863 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

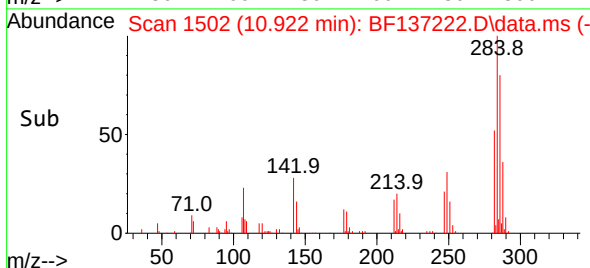
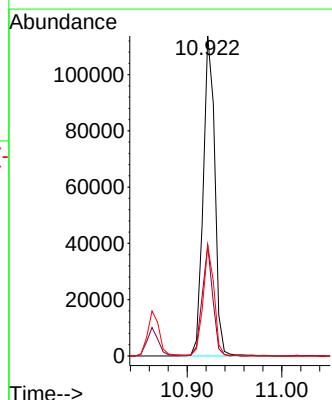
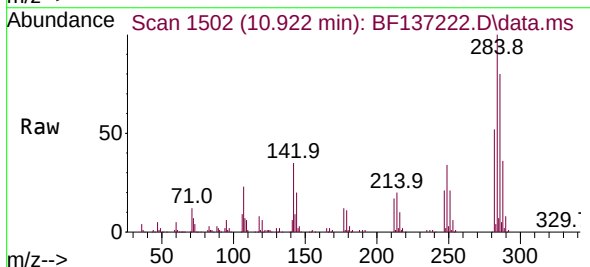
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

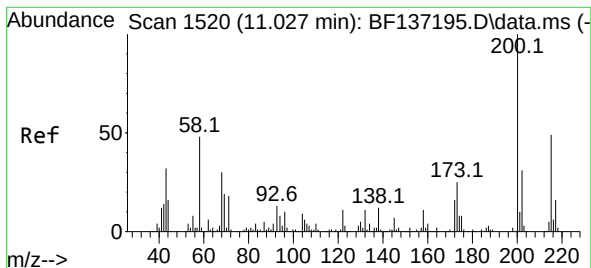
Tgt Ion:248 Resp: 92730
Ion Ratio Lower Upper
248 100
250 94.0 77.7 116.5
141 74.7 51.6 77.4



#68
Hexachlorobenzene
Concen: 44.717 ng
RT: 10.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:284 Resp: 96868
Ion Ratio Lower Upper
284 100
142 34.7 28.7 43.1
249 34.4 27.0 40.4





#69

Atrazine

Concen: 48.208 ng

RT: 11.022 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

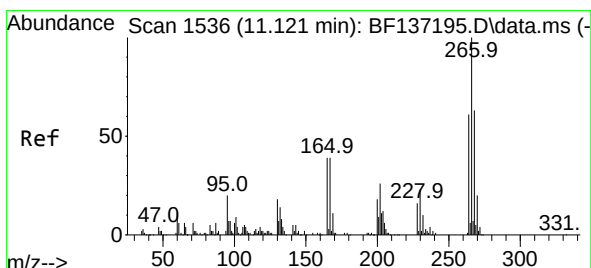
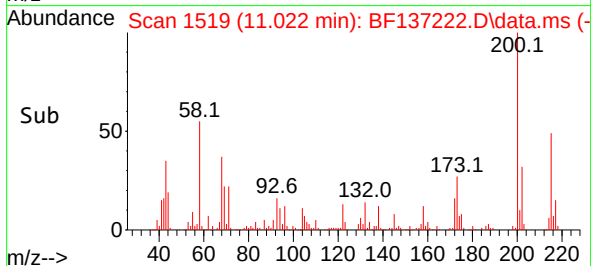
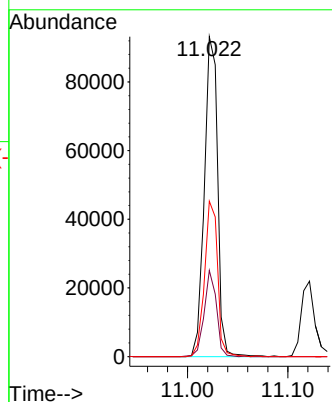
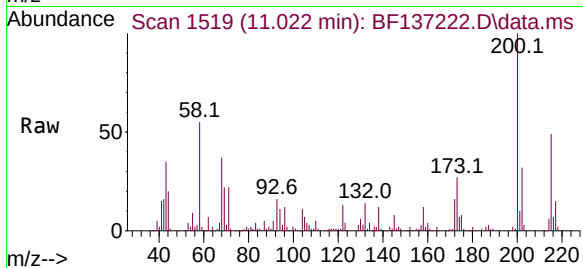
Tgt Ion:200 Resp: 85346

Ion Ratio Lower Upper

200 100

173 26.9 5.3 45.3

215 48.6 29.4 69.4



#70

Pentachlorophenol

Concen: 93.468 ng

RT: 11.122 min Scan# 1536

Delta R.T. 0.001 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

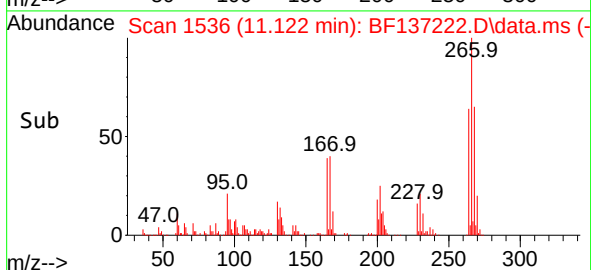
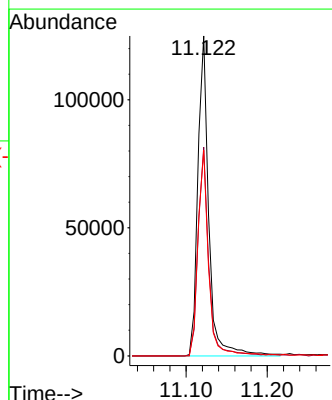
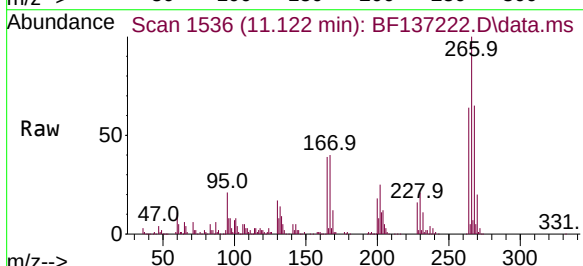
Tgt Ion:266 Resp: 116069

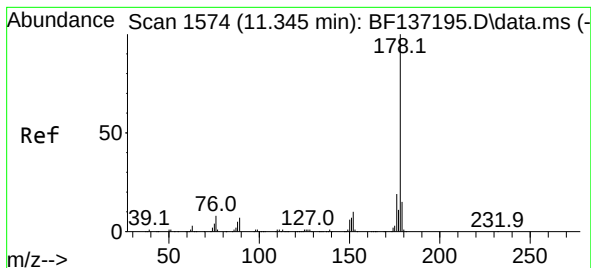
Ion Ratio Lower Upper

266 100

268 65.2 50.6 76.0

264 64.3 48.8 73.2





#71

Phenanthrene

Concen: 44.942 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

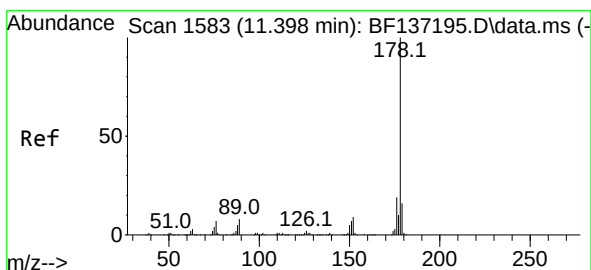
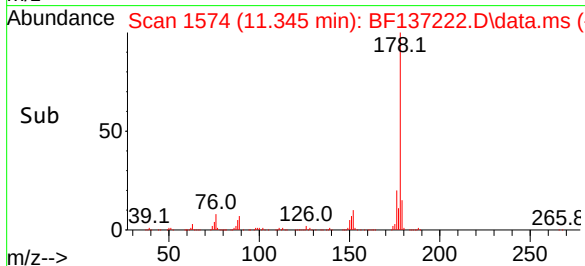
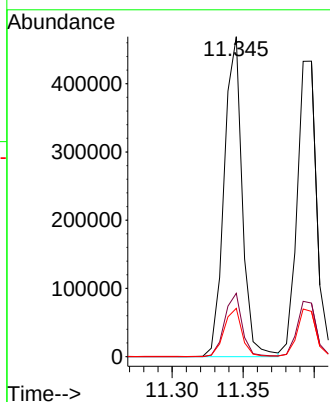
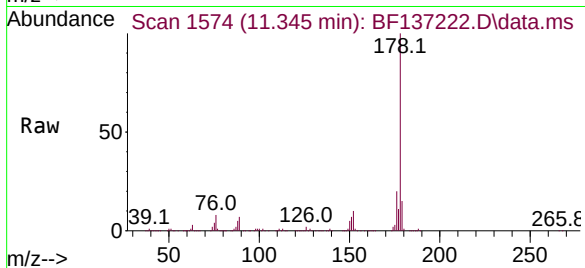
Tgt Ion:178 Resp: 414978

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

179 15.1 12.1 18.1



#72

Anthracene

Concen: 44.877 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

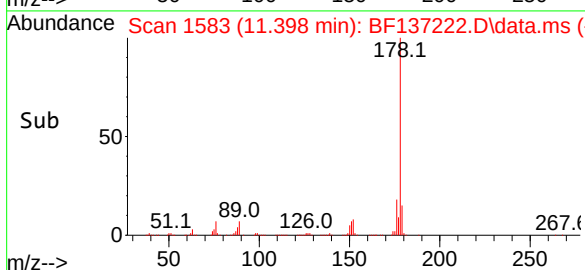
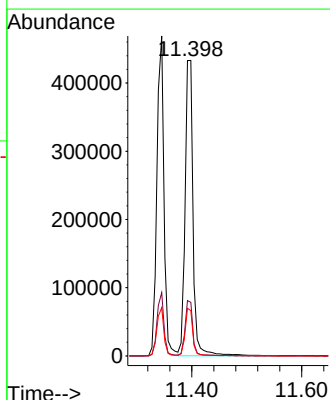
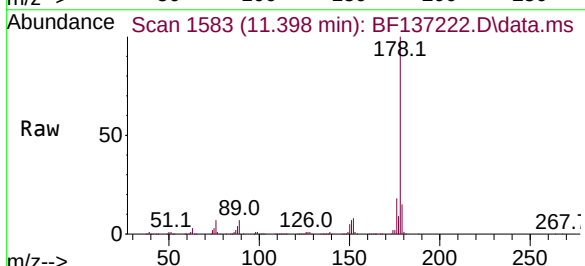
Tgt Ion:178 Resp: 431903

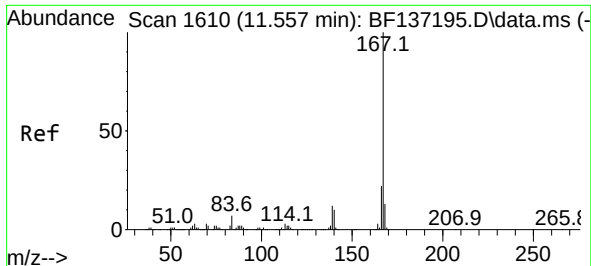
Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

179 15.3 12.7 19.1

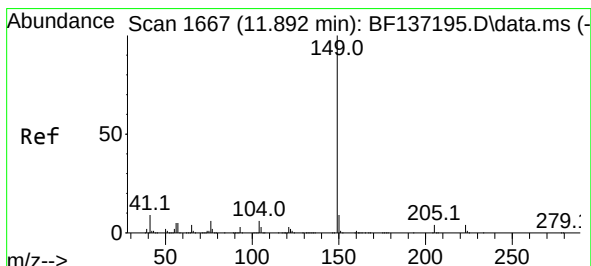
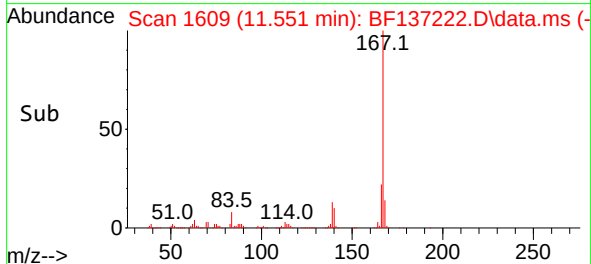
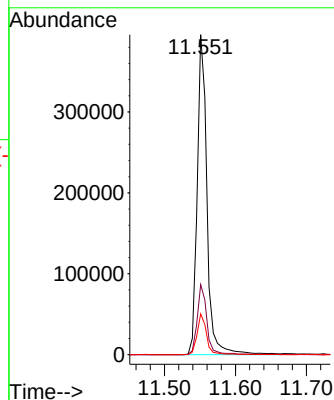
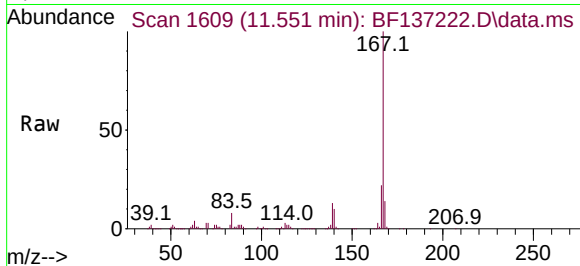




#73
 Carbazole
 Concen: 47.096 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

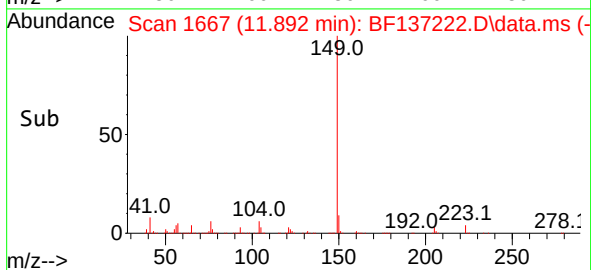
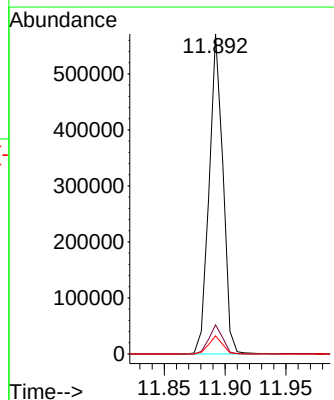
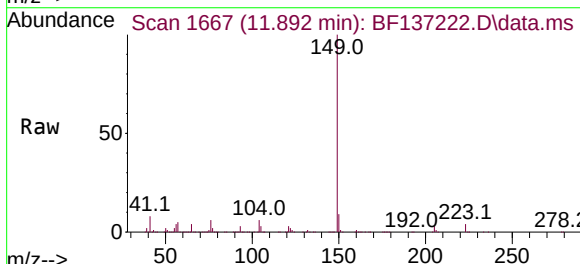
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126MSD

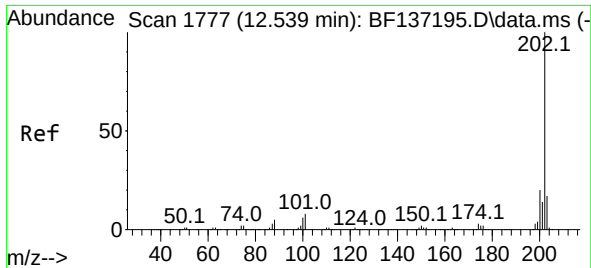
Tgt Ion:167 Resp: 378798
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 12.7 9.7 14.5



#74
 Di-n-butylphthalate
 Concen: 51.938 ng
 RT: 11.892 min Scan# 1667
 Delta R.T. 0.000 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

Tgt Ion:149 Resp: 451569
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.6 4.5 6.7

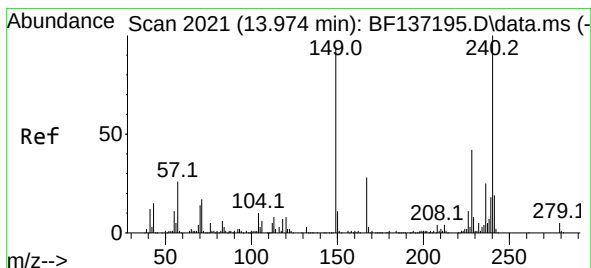
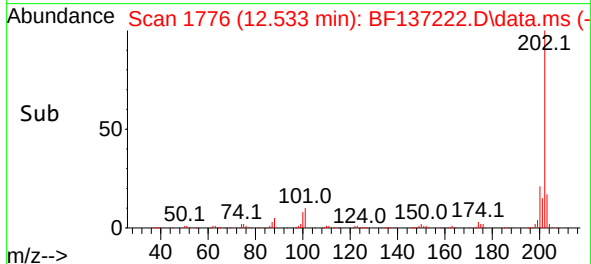
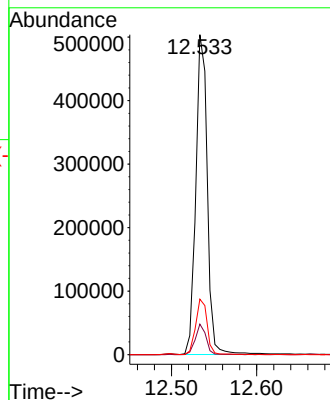
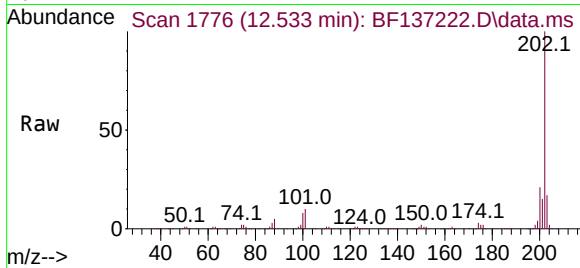




#75
Fluoranthene
Concen: 48.921 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

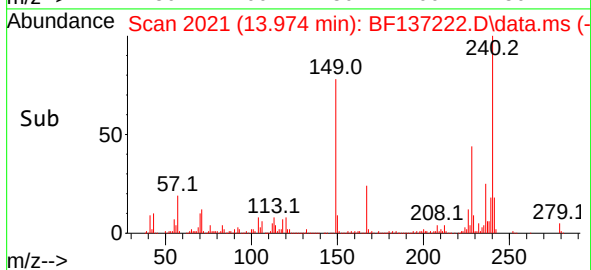
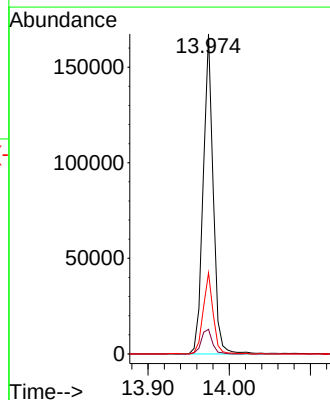
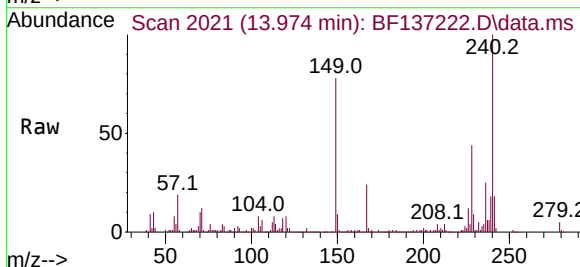
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

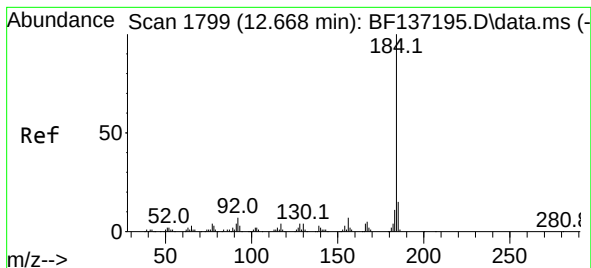
Tgt Ion:	202	Resp:	472681
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	28.4
203	17.3	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:	240	Resp:	143410
Ion Ratio	Lower	Upper	
240	100		
120	7.7	6.3	9.5
236	25.3	20.3	30.5





#77

Benzidine

Concen: 28.532 ng

RT: 12.669 min Scan# 1799

Delta R.T. 0.001 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

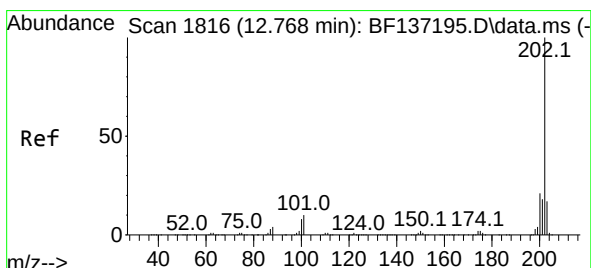
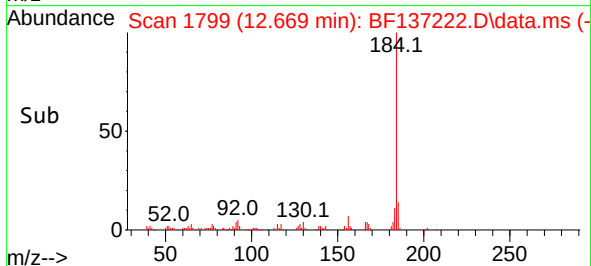
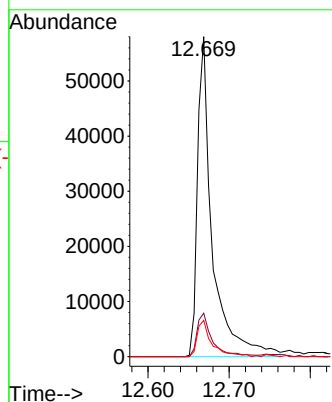
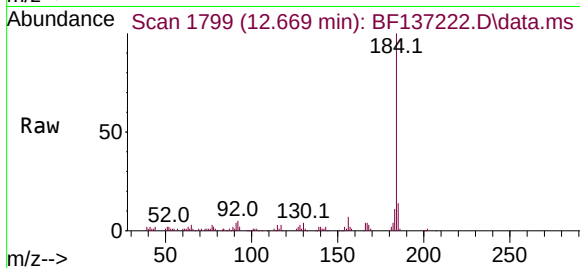
Tgt Ion:184 Resp: 73269

Ion Ratio Lower Upper

184 100

185 13.6 11.9 17.9

183 11.3 8.8 13.2



#78

Pyrene

Concen: 35.596 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

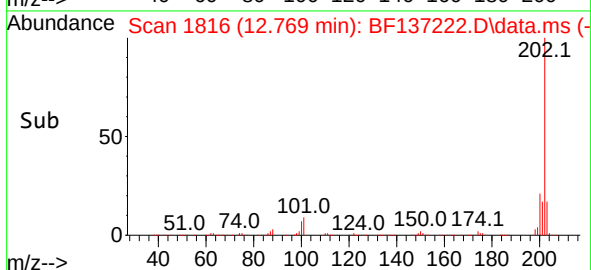
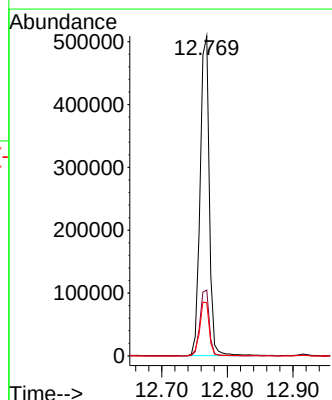
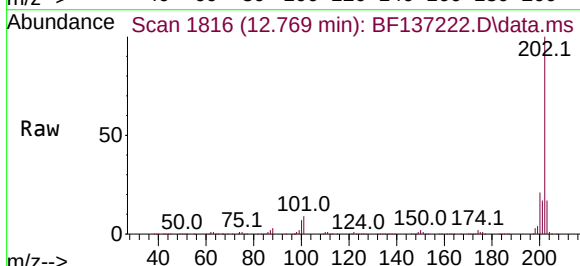
Tgt Ion:202 Resp: 490576

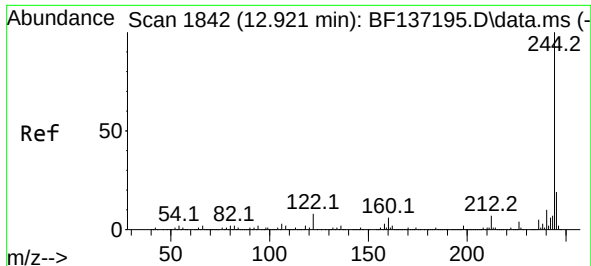
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 16.7 13.8 20.6

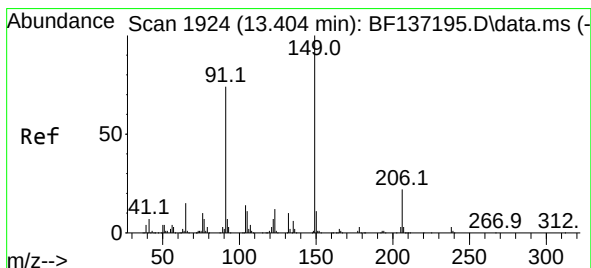
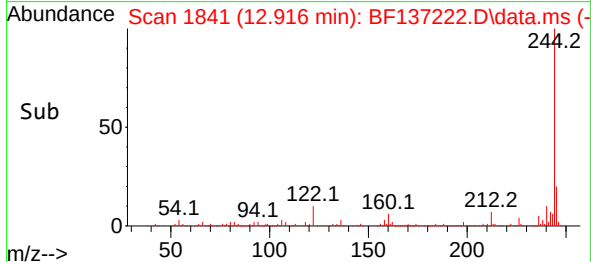
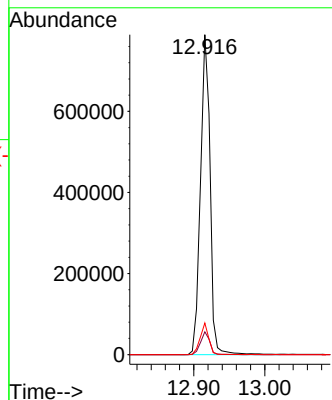
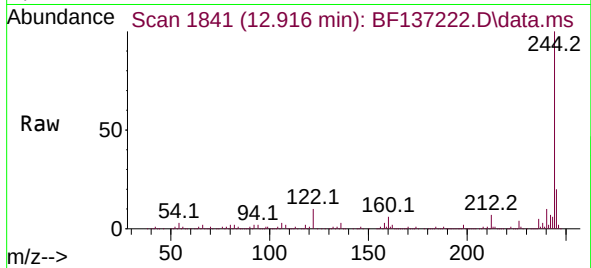




#79
 Terphenyl-d14
 Concen: 70.030 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

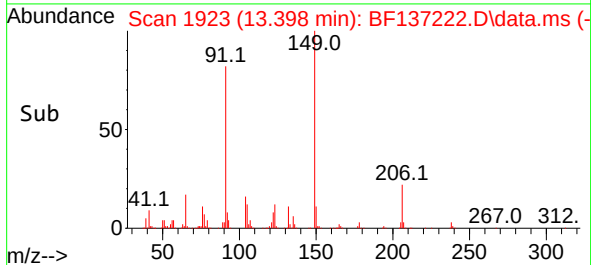
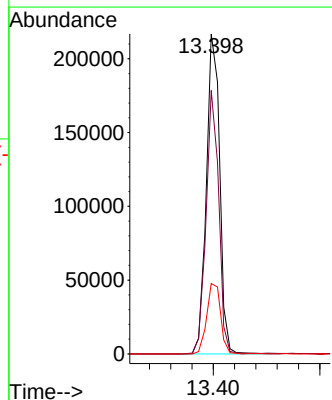
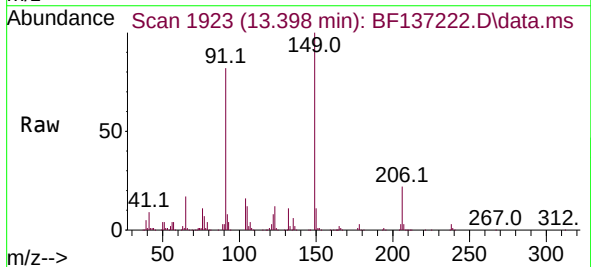
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126MSD

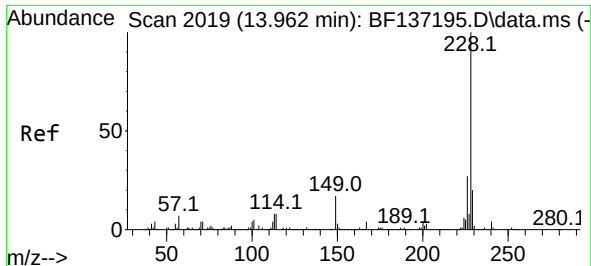
Tgt Ion:244 Resp: 738762
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 9.9 6.2 9.4#



#80
 Butylbenzylphthalate
 Concen: 53.274 ng
 RT: 13.398 min Scan# 1923
 Delta R.T. -0.006 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

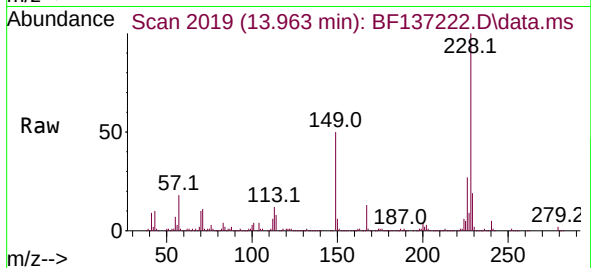
Tgt Ion:149 Resp: 187820
 Ion Ratio Lower Upper
 149 100
 91 82.3 58.8 88.2
 206 22.0 17.7 26.5



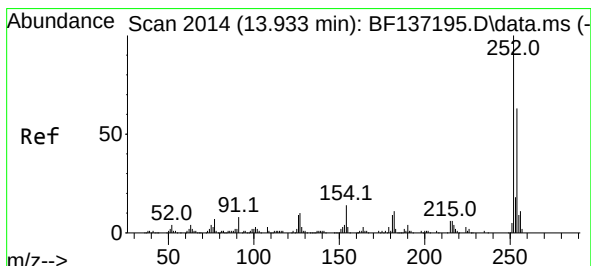
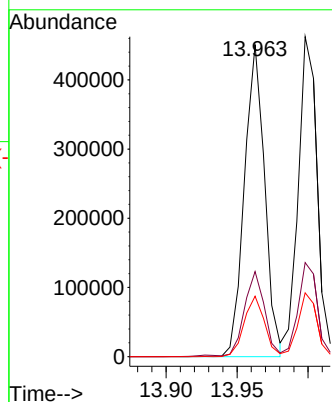
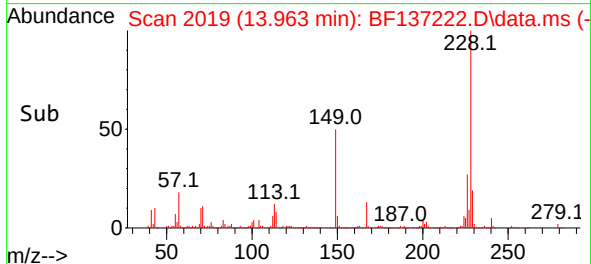


#81
Benzo(a)anthracene
Concen: 44.101 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

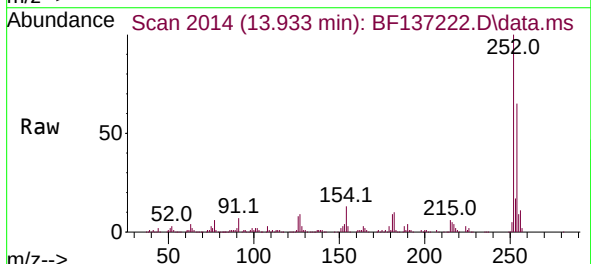
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD



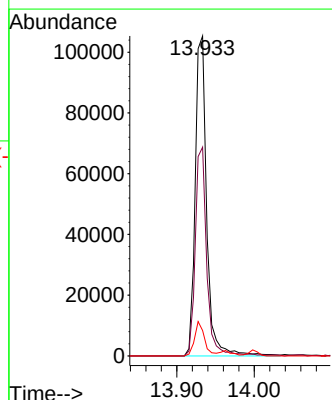
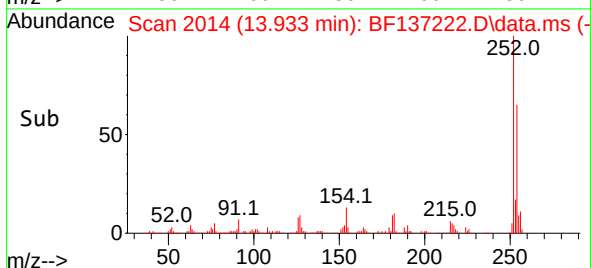
Tgt Ion:228 Resp: 447909
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 19.4 15.8 23.6

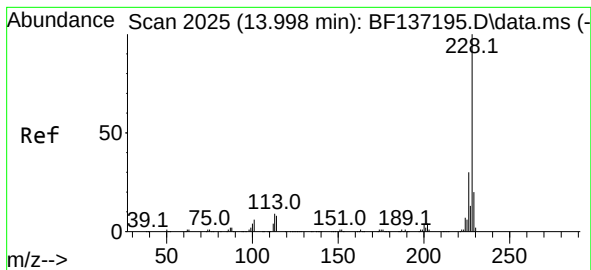


#82
3,3'-Dichlorobenzidine
Concen: 39.252 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58



Tgt Ion:252 Resp: 108614
Ion Ratio Lower Upper
252 100
254 65.2 50.2 75.2
126 7.9 7.0 10.6





#83

Chrysene

Concen: 44.015 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

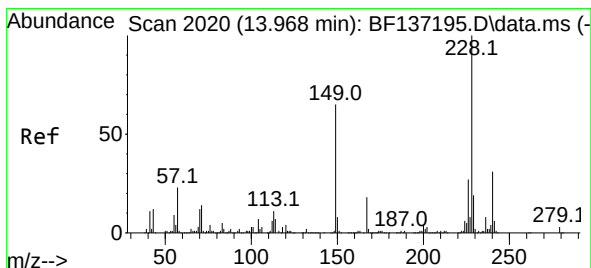
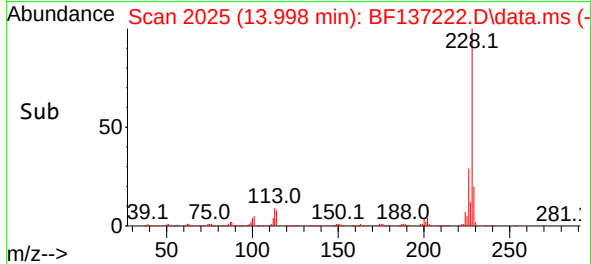
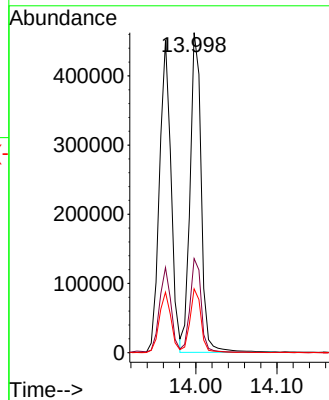
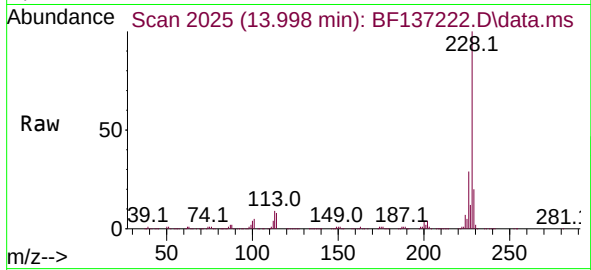
Tgt Ion:228 Resp: 439490

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 66.335 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

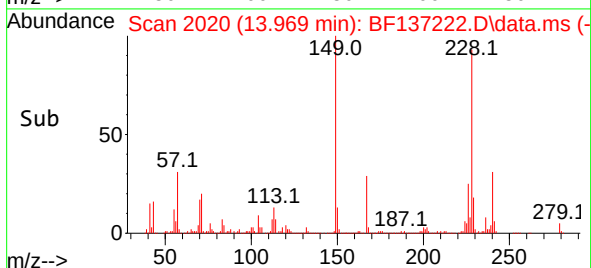
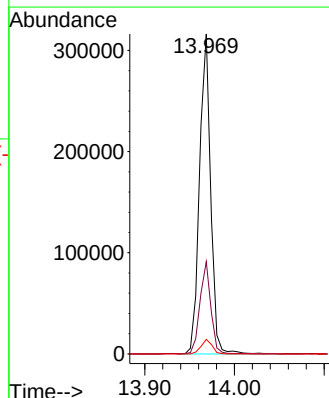
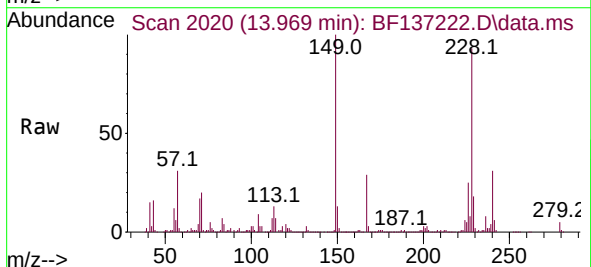
Tgt Ion:149 Resp: 272082

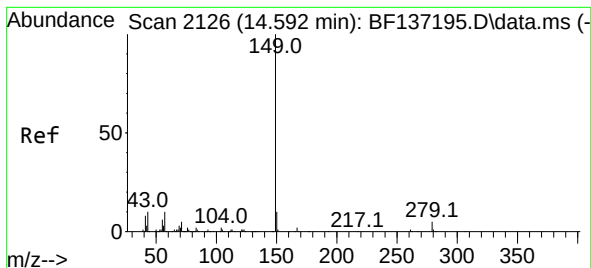
Ion Ratio Lower Upper

149 100

167 28.8 21.7 32.5

279 4.5 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 72.100 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MSD

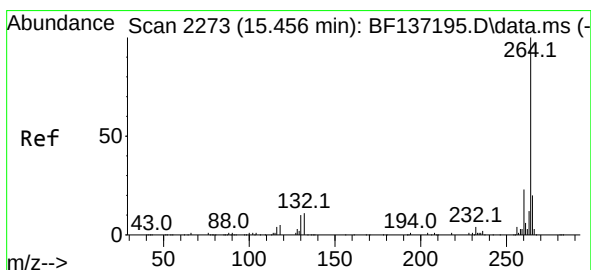
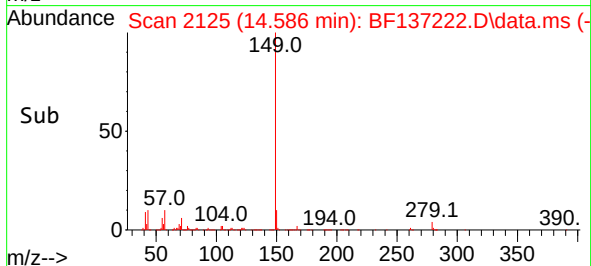
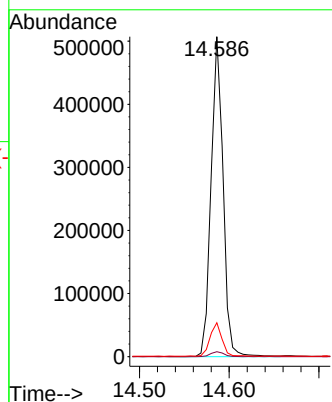
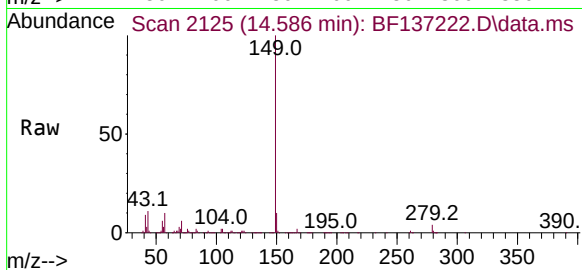
Tgt Ion:149 Resp: 470217

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 10.4 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF137222.D

Acq: 31 Jan 2024 20:58

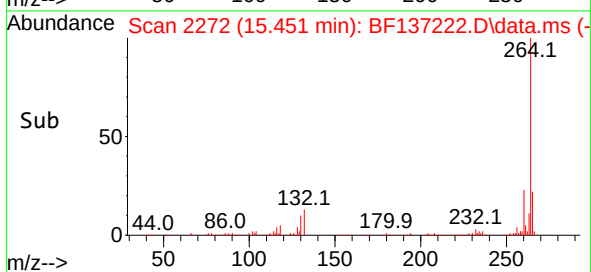
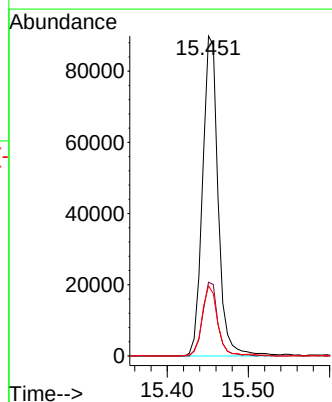
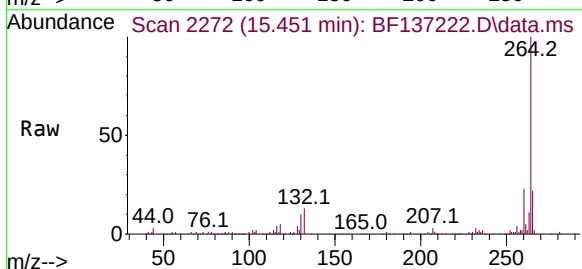
Tgt Ion:264 Resp: 120068

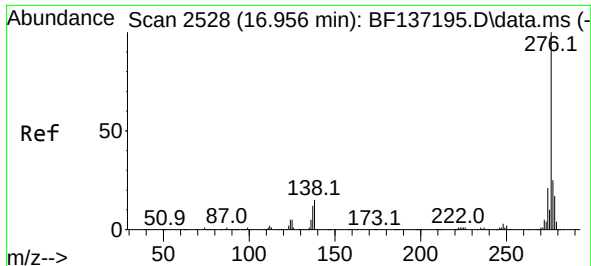
Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 21.9 16.2 24.2

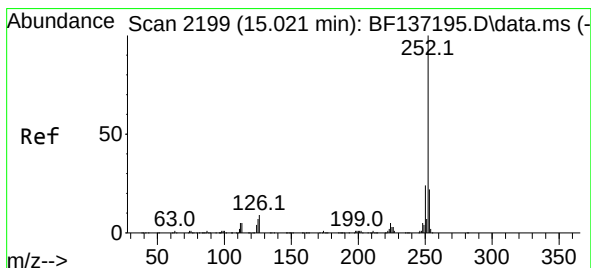
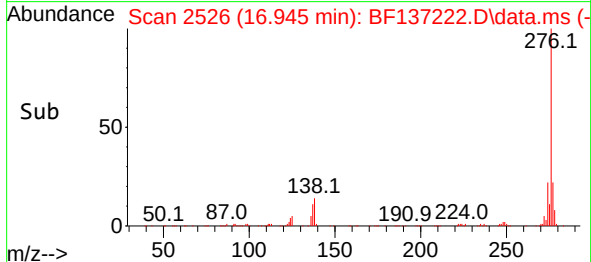
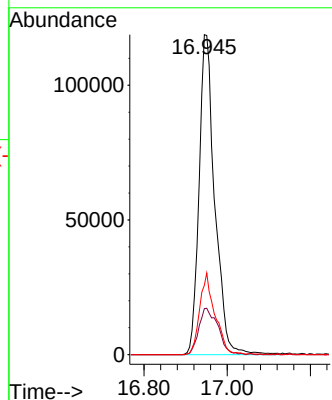
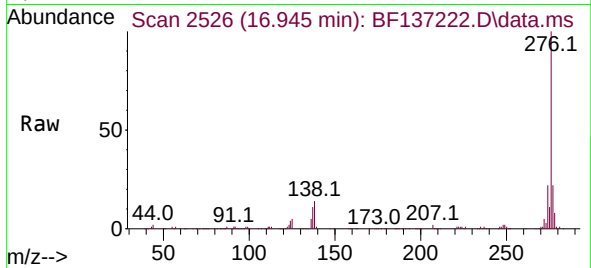




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 37.045 ng
 RT: 16.945 min Scan# 2199
 Delta R.T. -0.012 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

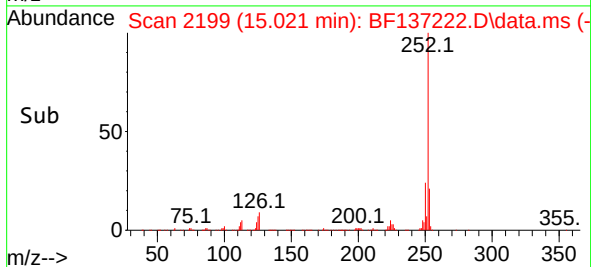
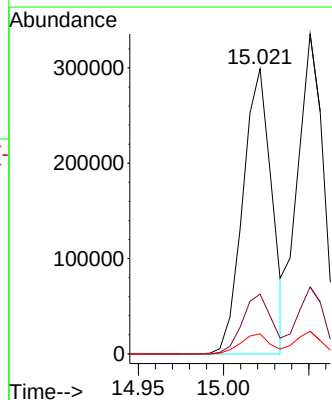
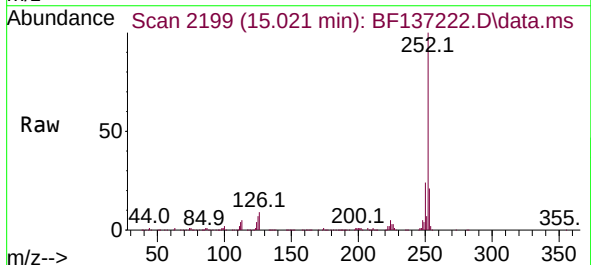
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126MSD

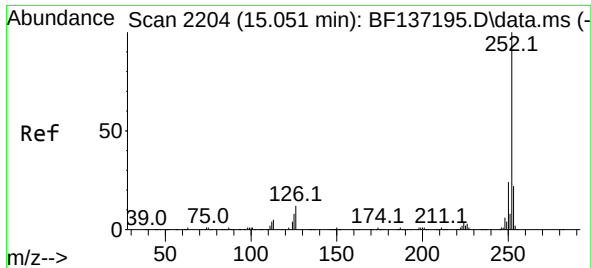
Tgt Ion:276 Resp: 312491
 Ion Ratio Lower Upper
 276 100
 138 17.5 14.6 21.8
 277 24.7 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 47.646 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. 0.000 min
 Lab File: BF137222.D
 Acq: 31 Jan 2024 20:58

Tgt Ion:252 Resp: 351820
 Ion Ratio Lower Upper
 252 100
 253 20.9 17.9 26.9
 125 7.0 5.4 8.2

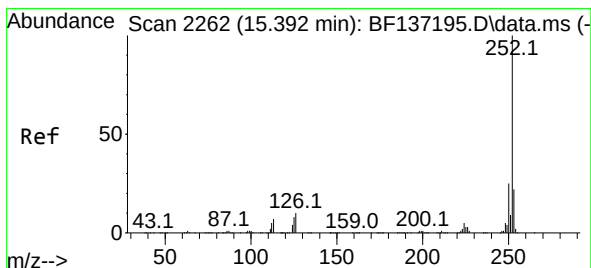
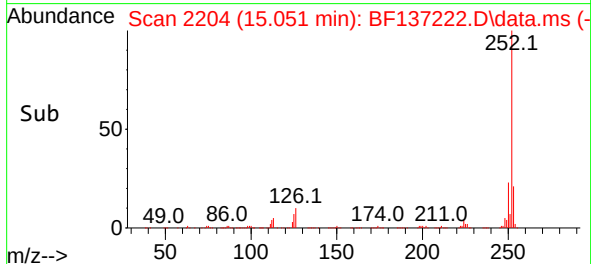
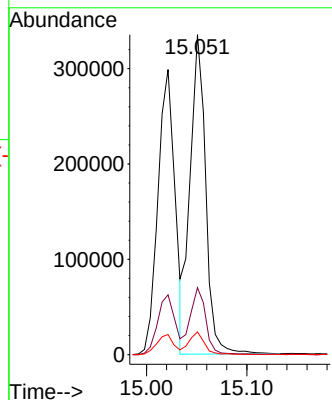
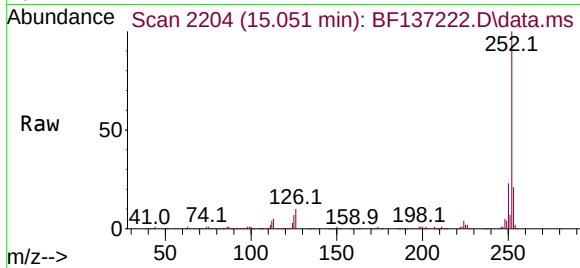




#89
Benzo(k)fluoranthene
Concen: 46.686 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

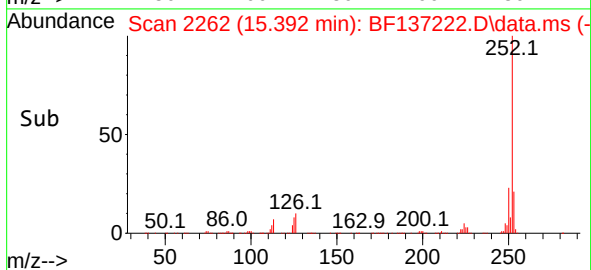
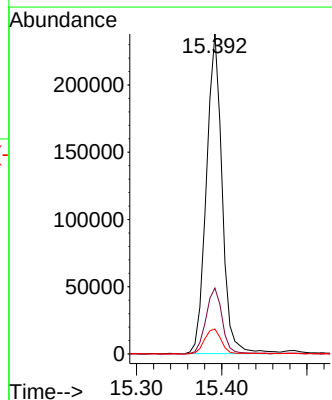
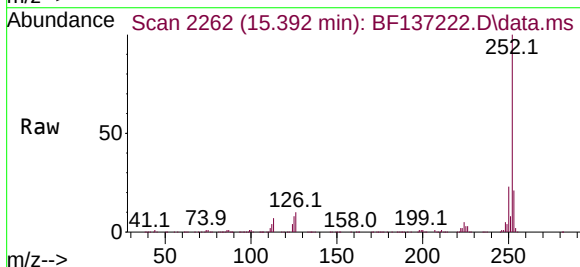
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

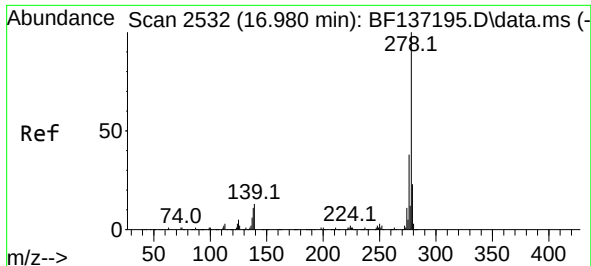
Tgt Ion:252 Resp: 364687
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.6
125 7.1 5.9 8.9



#90
Benzo(a)pyrene
Concen: 43.902 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:252 Resp: 305067
Ion Ratio Lower Upper
252 100
253 20.6 17.8 26.6
125 7.8 6.5 9.7

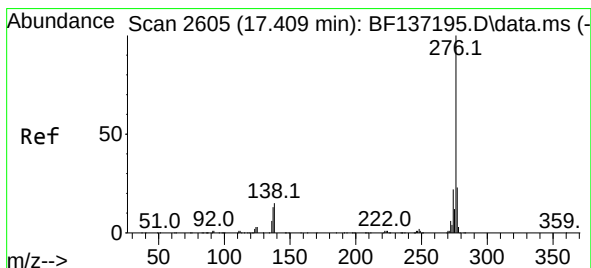
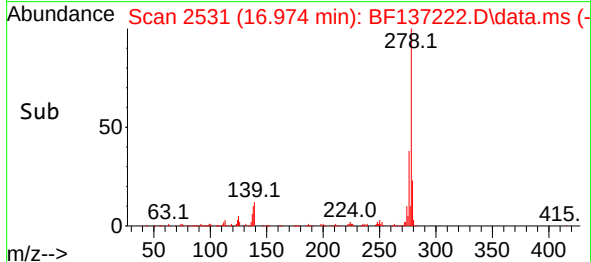
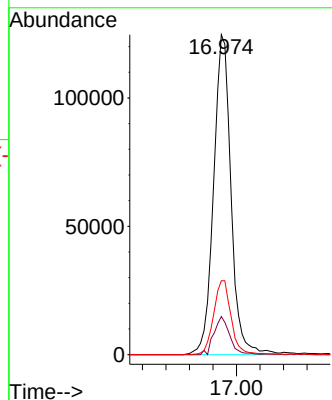
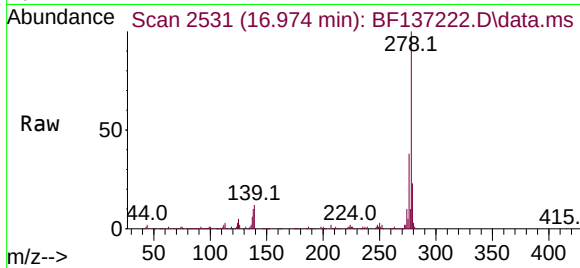




#91
Dibenzo(a,h)anthracene
Concen: 37.964 ng
RT: 16.974 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MSD

Tgt Ion:278 Resp: 256602
Ion Ratio Lower Upper
278 100
139 11.9 10.0 15.0
279 23.1 18.5 27.7



#92
Benzo(g,h,i)perylene
Concen: 34.819 ng
RT: 17.404 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF137222.D
Acq: 31 Jan 2024 20:58

Tgt Ion:276 Resp: 230988
Ion Ratio Lower Upper
276 100
277 21.8 18.4 27.6
138 13.0 11.8 17.8

