

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137221.D
 Acq On : 31 Jan 2024 20:29
 Operator : CG\JU
 Sample : P1270-02MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126MS

Quant Time: Feb 01 01:22:16 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	6.792	152	45952	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	169542	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	88794	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	169158	20.000	ng	0.00
76) Chrysene-d12	13.974	240	136816	20.000	ng	0.00
86) Perylene-d12	15.451	264	116200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	364777	130.987	ng	0.02
7) Phenol-d6	6.428	99	448510	112.854	ng	0.00
23) Nitrobenzene-d5	7.357	82	334266	88.271	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	140116	139.725	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	605227	93.699	ng	0.00
79) Terphenyl-d14	12.916	244	768968	76.407	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	53342	35.798	ng	# 81
3) Pyridine	3.410	79	90934	31.272	ng	99
4) n-Nitrosodimethylamine	3.351	42	70367	46.548	ng	92
6) Aniline	6.463	93	79919	18.785	ng	97
8) 2-Chlorophenol	6.581	128	136584	43.864	ng	95
9) Benzaldehyde	6.345	77	30745	20.314	ng	97
10) Phenol	6.439	94	163621	36.884	ng	95
11) bis(2-Chloroethyl)ether	6.534	93	132415	44.665	ng	99
12) 1,3-Dichlorobenzene	6.734	146	155187	42.508	ng	100
13) 1,4-Dichlorobenzene	6.810	146	156909	41.558	ng	97
14) 1,2-Dichlorobenzene	6.963	146	151430	42.896	ng	99
15) Benzyl Alcohol	6.934	79	133975	47.450	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	218813	40.973	ng	99
17) 2-Methylphenol	7.045	107	111140	42.724	ng	97
18) Hexachloroethane	7.304	117	56287	41.335	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	120602	44.259	ng	98
20) 3+4-Methylphenols	7.198	107	138068	41.926	ng	89
22) Acetophenone	7.204	105	208767	45.739	ng	# 94
24) Nitrobenzene	7.375	77	167692	45.625	ng	96
25) Isophorone	7.610	82	314294	44.965	ng	98
26) 2-Nitrophenol	7.686	139	61043	43.159	ng	89
27) 2,4-Dimethylphenol	7.728	122	97608	48.856	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	176478	47.545	ng	98
29) 2,4-Dichlorophenol	7.928	162	116598	47.045	ng	100
30) 1,2,4-Trichlorobenzene	8.010	180	136103	44.210	ng	99
31) Naphthalene	8.092	128	406340	44.333	ng	99
32) Benzoic acid	7.828	122	29020	25.621	ng	# 86
33) 4-Chloroaniline	8.145	127	36258	11.500	ng	96
34) Hexachlorobutadiene	8.210	225	93366	45.611	ng	98
35) Caprolactam	8.498	113	18867	24.482	ng	94
36) 4-Chloro-3-methylphenol	8.622	107	128444	43.877	ng	98
37) 2-Methylnaphthalene	8.786	142	269136	43.799	ng	98
38) 1-Methylnaphthalene	8.880	142	252630	44.264	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	146511	49.312	ng	98
41) Hexachlorocyclopentadiene	8.933	237	98033	69.276	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	85835	50.934	ng	98

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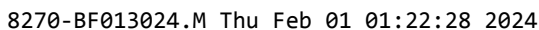
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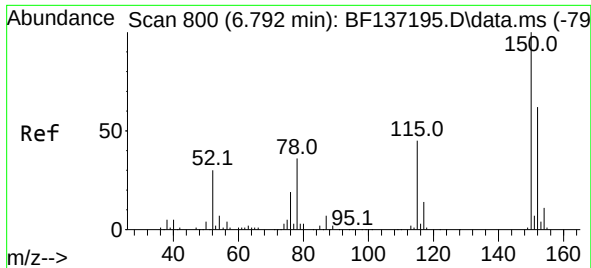
Quant Time: Feb 01 01:22:16 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	88003	47.775	ng	95
46) 1,1'-Biphenyl	9.251	154	348433	49.320	ng	98
47) 2-Chloronaphthalene	9.275	162	251558	48.115	ng	99
48) 2-Nitroaniline	9.369	65	87621	51.779	ng	97
49) Acenaphthylene	9.686	152	399443	47.723	ng	99
50) Dimethylphthalate	9.551	163	306693	51.127	ng	99
51) 2,6-Dinitrotoluene	9.616	165	65320	51.065	ng	88
52) Acenaphthene	9.863	154	237026	48.183	ng	100
53) 3-Nitroaniline	9.780	138	24203	21.025	ng	92
54) 2,4-Dinitrophenol	9.886	184	17926	38.484	ng	96
55) Dibenzofuran	10.033	168	371640	47.486	ng	99
56) 4-Nitrophenol	9.945	139	77214	91.807	ng	96
57) 2,4-Dinitrotoluene	10.016	165	84515	50.920	ng	92
58) Fluorene	10.380	166	289188	47.133	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	79862	46.596	ng	# 88
60) Diethylphthalate	10.257	149	301411	51.030	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	147785	48.458	ng	98
62) 4-Nitroaniline	10.398	138	51357	46.610	ng	96
63) Azobenzene	10.533	77	301408	46.077	ng	97
65) 4,6-Dinitro-2-methylph...	10.422	198	21398	26.621	ng	91
66) n-Nitrosodiphenylamine	10.492	169	251867	48.969	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	91823	49.367	ng	# 93
68) Hexachlorobenzene	10.922	284	96527	46.461	ng	98
69) Atrazine	11.022	200	85781	50.521	ng	98
70) Pentachlorophenol	11.122	266	109389	91.848	ng	98
71) Phenanthrene	11.345	178	420281	47.459	ng	100
72) Anthracene	11.392	178	439052	47.567	ng	99
73) Carbazole	11.551	167	380908	49.379	ng	99
74) Di-n-butylphthalate	11.892	149	457180	54.827	ng	99
75) Fluoranthene	12.533	202	491933	53.087	ng	98
77) Benzidine	12.668	184	71862	29.333	ng	99
78) Pyrene	12.768	202	504278	38.354	ng	99
80) Butylbenzylphthalate	13.398	149	198248	58.942	ng	96
81) Benzo(a)anthracene	13.963	228	464923	47.982	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	104606	39.625	ng	99
83) Chrysene	13.998	228	453767	47.635	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	281331	71.895	ng	97
85) Di-n-octyl phthalate	14.586	149	484692	77.901	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	321341	39.362	ng	100
88) Benzo(b)fluoranthene	15.021	252	364291	50.977	ng	99
89) Benzo(k)fluoranthene	15.051	252	374958	49.598	ng	100
90) Benzo(a)pyrene	15.392	252	317826	47.260	ng	99
91) Dibenzo(a,h)anthracene	16.974	278	272569	41.669	ng	98
92) Benzo(g,h,i)perylene	17.403	276	242274	37.736	ng	99

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

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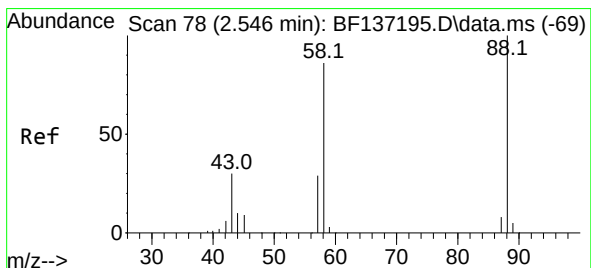
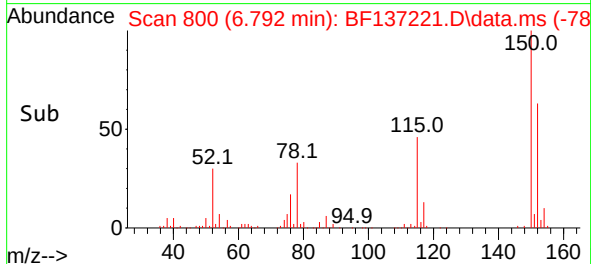
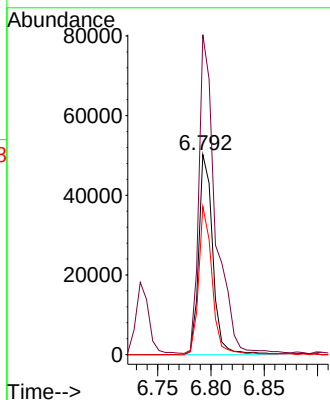
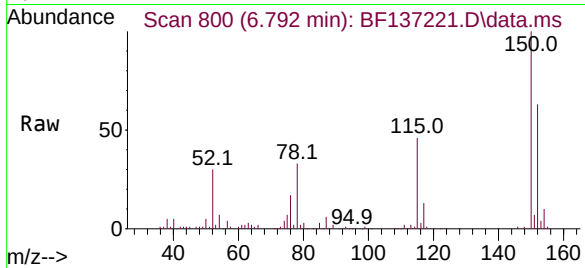




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF137221.D
 Acq: 31 Jan 2024 20:29

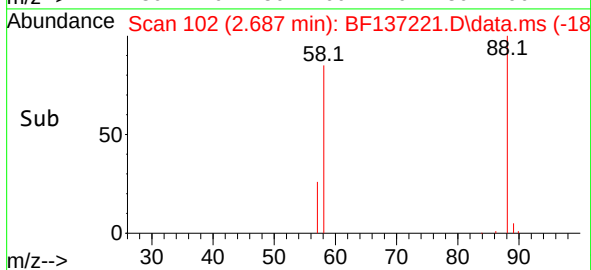
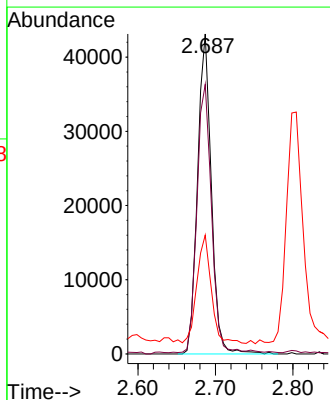
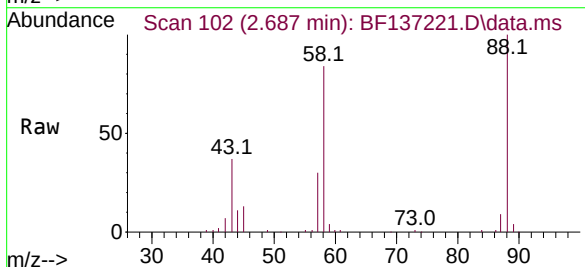
Instrument :
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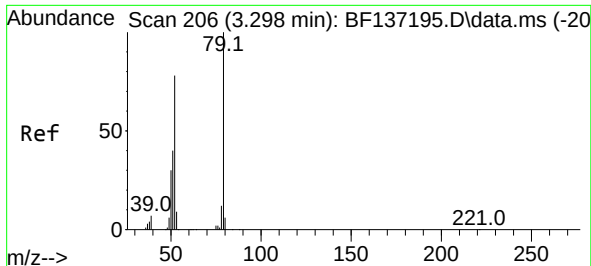
Tgt Ion:152 Resp: 45952
 Ion Ratio Lower Upper
 152 100
 150 159.9 129.8 194.8
 115 74.0 58.5 87.7



#2
 1,4-Dioxane
 Concen: 35.798 ng
 RT: 2.687 min Scan# 102
 Delta R.T. 0.141 min
 Lab File: BF137221.D
 Acq: 31 Jan 2024 20:29

Tgt Ion: 88 Resp: 53342
 Ion Ratio Lower Upper
 88 100
 58 88.0 67.8 101.8
 43 0.0 26.6 40.0#

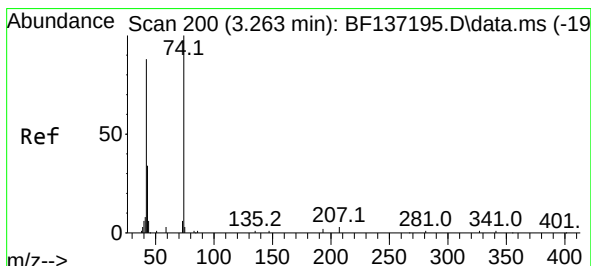
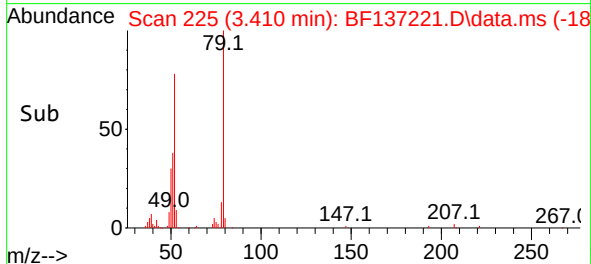
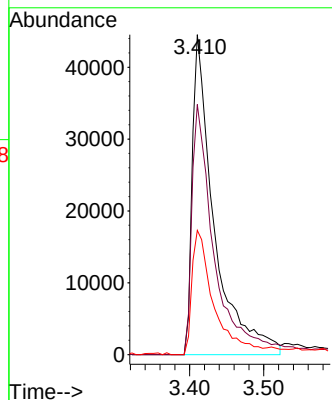
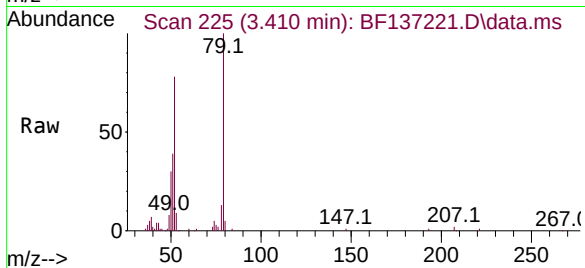




#3
 Pyridine
 Concen: 31.272 ng
 RT: 3.410 min Scan# 215
 Delta R.T. 0.112 min
 Lab File: BF137221.D
 Acq: 31 Jan 2024 20:29

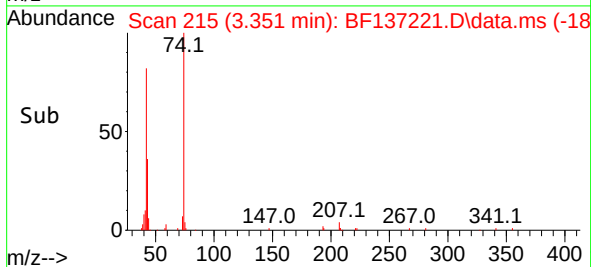
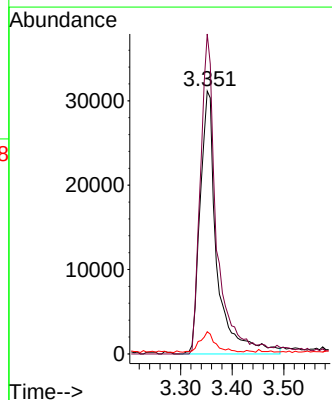
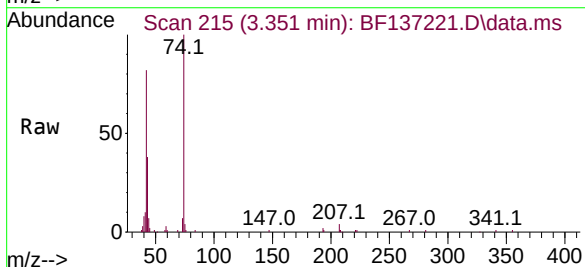
Instrument :
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 ClientSampleId :
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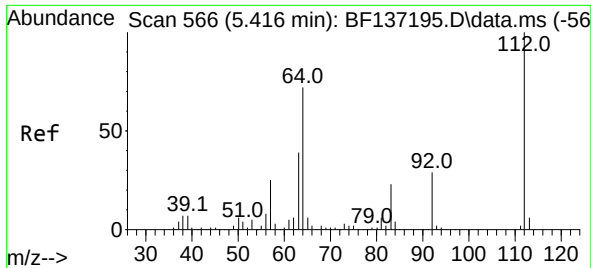
Tgt Ion: 79 Resp: 90934
 Ion Ratio Lower Upper
 79 100
 52 78.2 62.6 94.0
 51 38.8 33.0 49.4



#4
 n-Nitrosodimethylamine
 Concen: 46.548 ng
 RT: 3.351 min Scan# 215
 Delta R.T. 0.088 min
 Lab File: BF137221.D
 Acq: 31 Jan 2024 20:29

Tgt Ion: 42 Resp: 70367
 Ion Ratio Lower Upper
 42 100
 74 121.8 90.5 135.7
 44 8.4 6.1 9.1

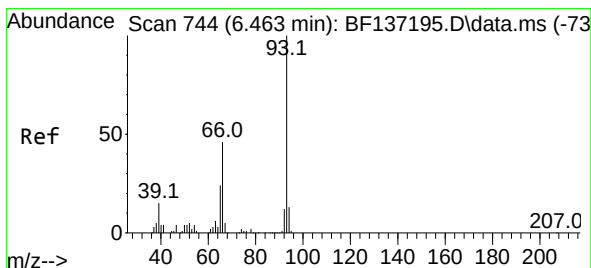
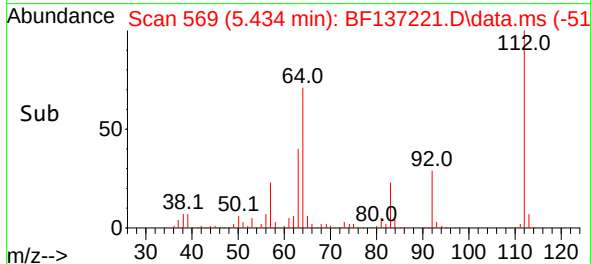
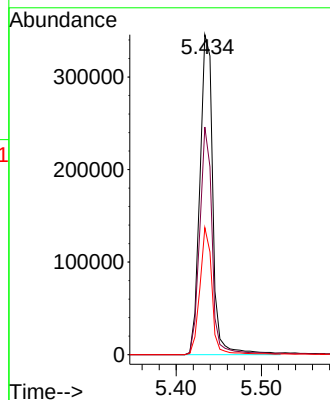
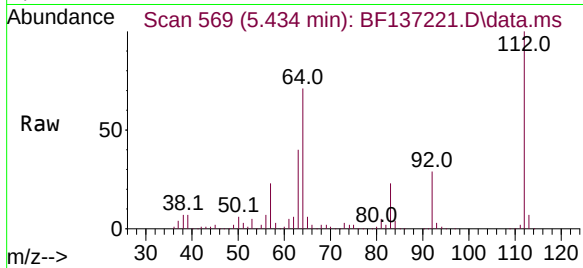




#5
2-Fluorophenol
Concen: 130.987 ng
RT: 5.434 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

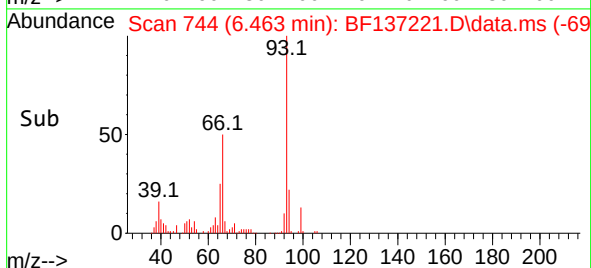
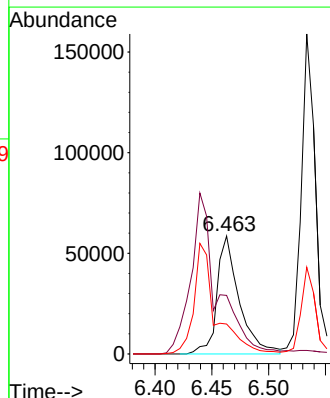
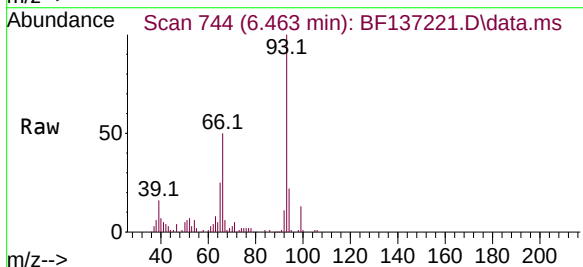
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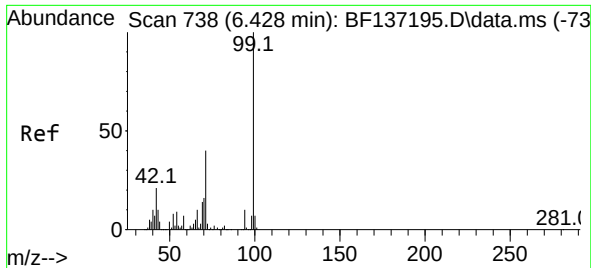
Tgt Ion:112 Resp: 364777
Ion Ratio Lower Upper
112 100
64 71.1 57.8 86.6
63 39.7 31.4 47.0



#6
Aniline
Concen: 18.785 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion: 93 Resp: 79919
Ion Ratio Lower Upper
93 100
66 49.7 37.9 56.9
65 25.3 19.0 28.4





#7

Phenol-d6

Concen: 112.854 ng

RT: 6.428 min Scan# 738

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

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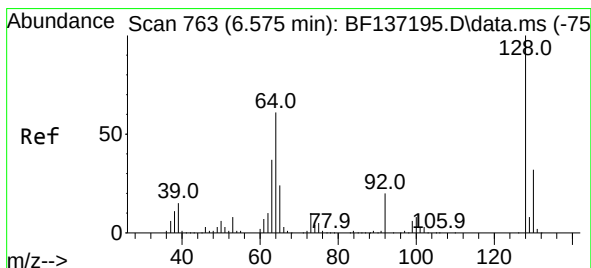
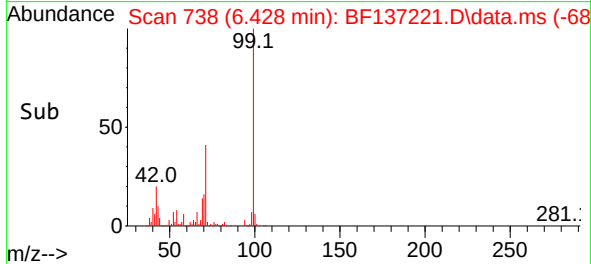
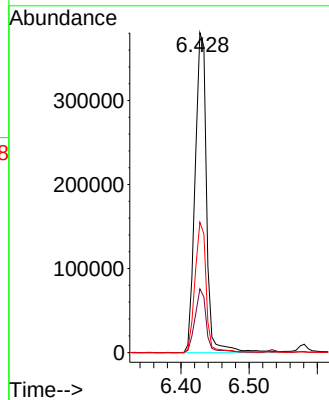
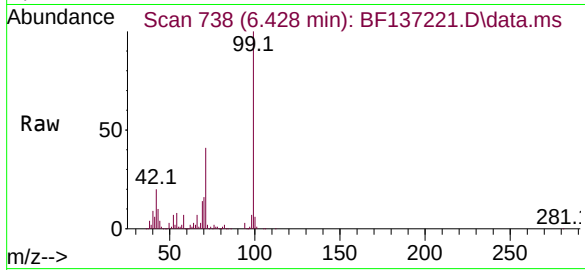
Tgt Ion: 99 Resp: 448510

Ion Ratio Lower Upper

99 100

42 20.0 16.4 24.6

71 40.7 32.4 48.6



#8

2-Chlorophenol

Concen: 43.864 ng

RT: 6.581 min Scan# 764

Delta R.T. 0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

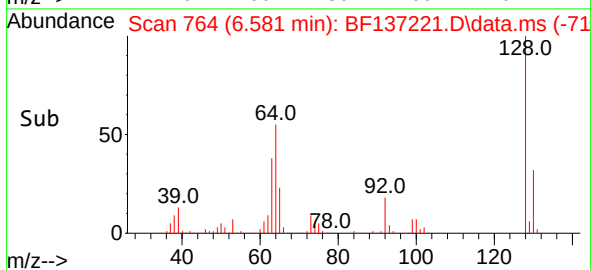
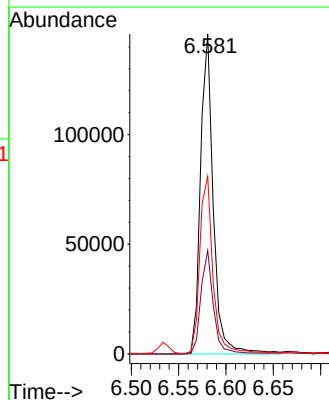
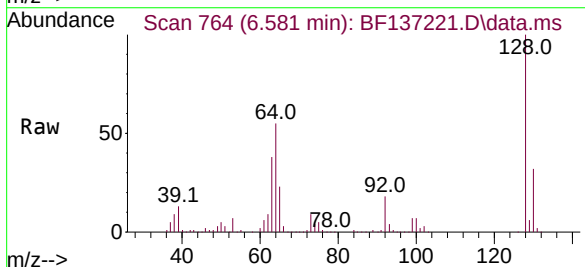
Tgt Ion: 128 Resp: 136584

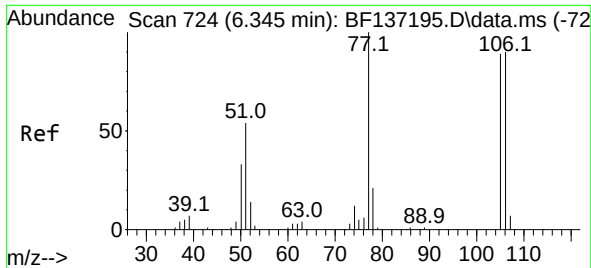
Ion Ratio Lower Upper

128 100

130 32.3 12.4 52.4

64 55.5 41.6 81.6





#9

Benzaldehyde

Concen: 20.314 ng

RT: 6.345 min Scan# 71

Delta R.T. 0.000 min

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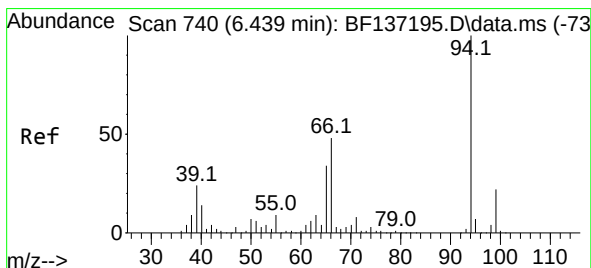
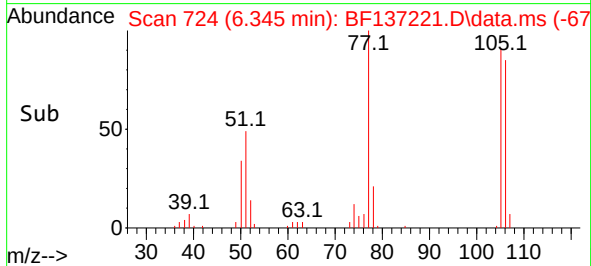
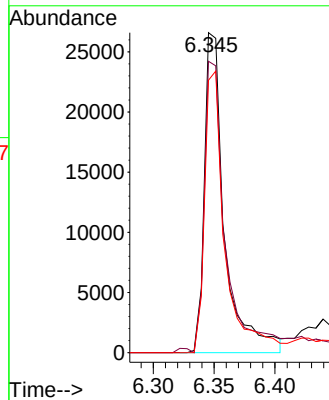
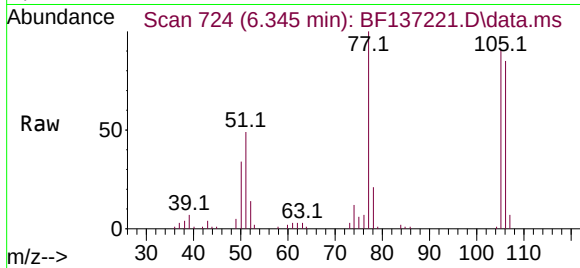
Tgt Ion: 77 Resp: 30745

Ion Ratio Lower Upper

77 100

105 91.0 69.1 109.1

106 85.1 69.6 109.6



#10

Phenol

Concen: 36.884 ng

RT: 6.439 min Scan# 740

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

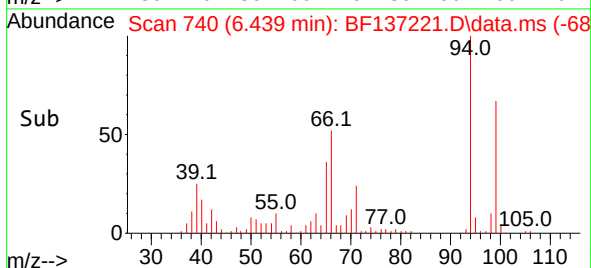
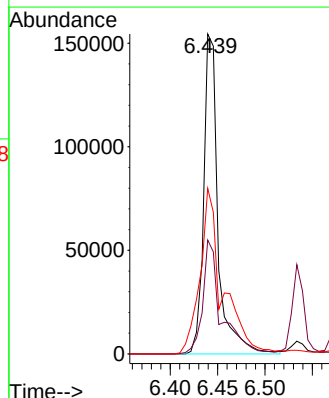
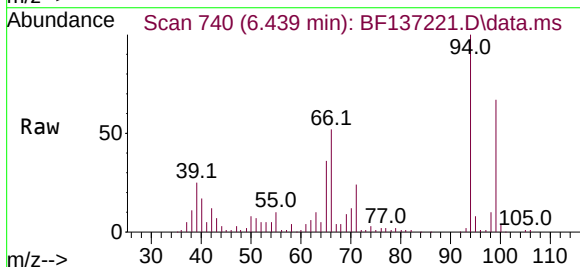
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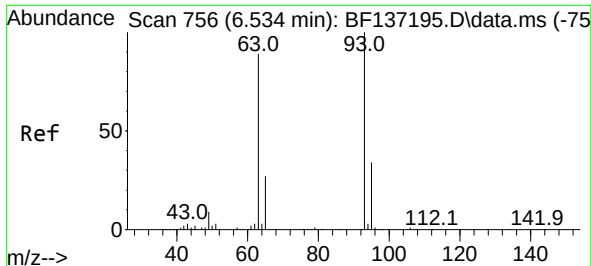
Ion Ratio Lower Upper

94 100

65 35.6 13.7 53.7

66 51.8 27.8 67.8

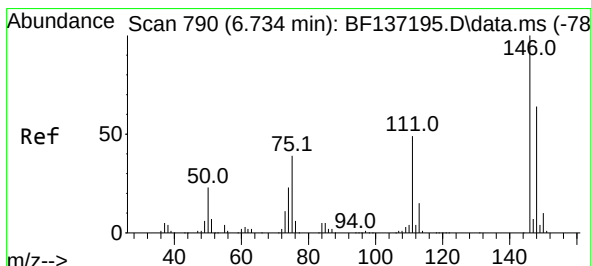
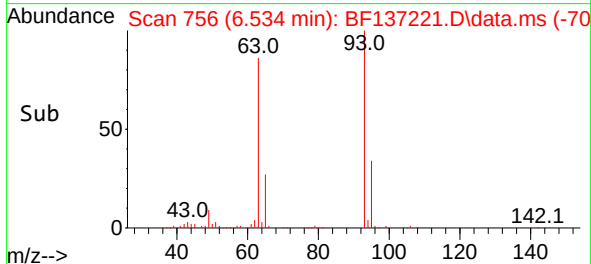
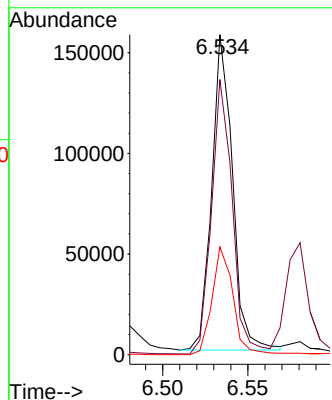
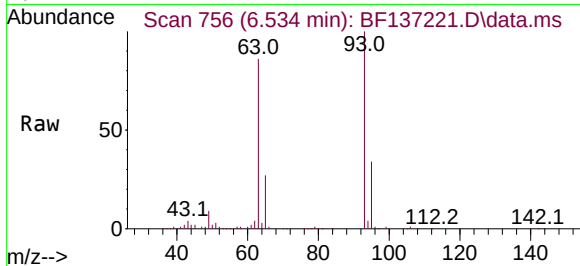




#11
bis(2-Chloroethyl)ether
Concen: 44.665 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

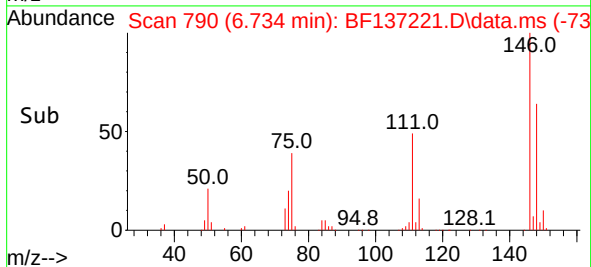
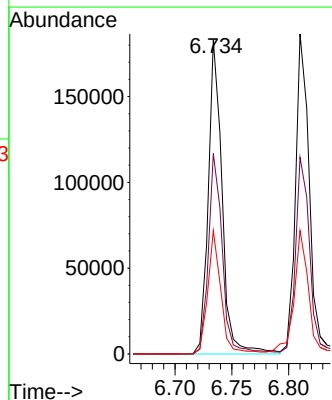
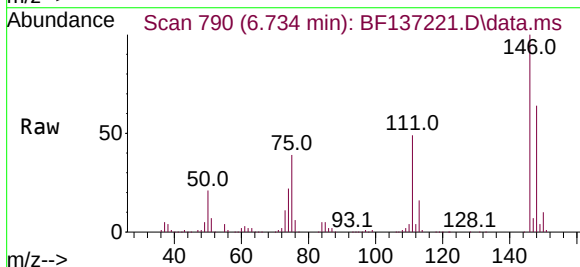
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

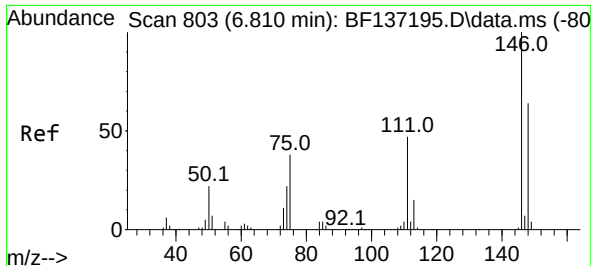
Tgt Ion: 93 Resp: 132415
Ion Ratio Lower Upper
93 100
63 86.0 66.7 106.7
95 33.6 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 42.508 ng
RT: 6.734 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion: 146 Resp: 155187
Ion Ratio Lower Upper
146 100
148 63.8 51.4 77.0
75 39.2 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 41.558 ng

RT: 6.810 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

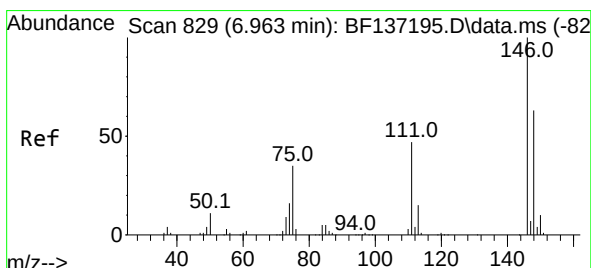
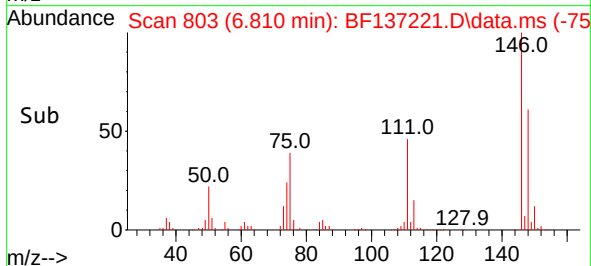
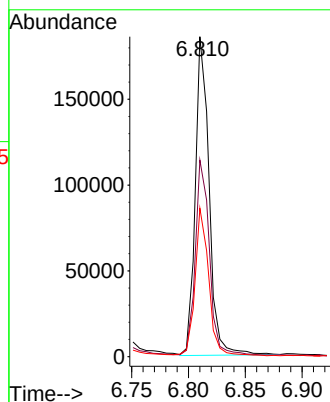
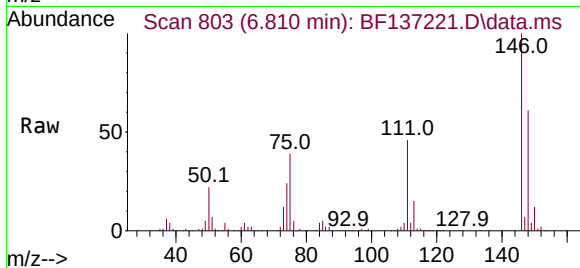
Tgt Ion:146 Resp: 156909

Ion Ratio Lower Upper

146 100

148 61.4 51.5 77.3

111 46.4 38.1 57.1



#14

1,2-Dichlorobenzene

Concen: 42.896 ng

RT: 6.963 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

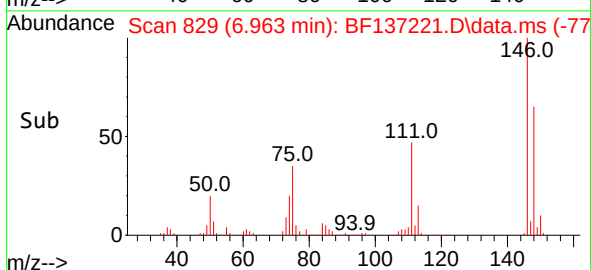
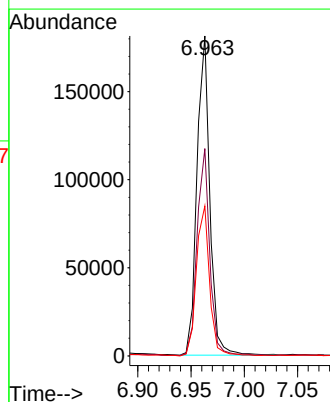
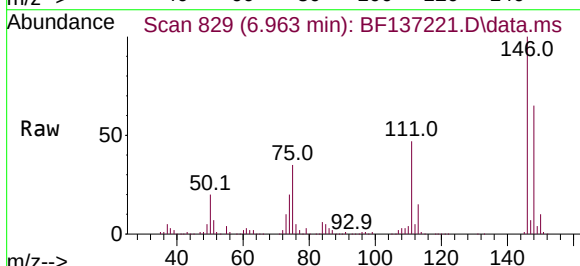
Tgt Ion:146 Resp: 151430

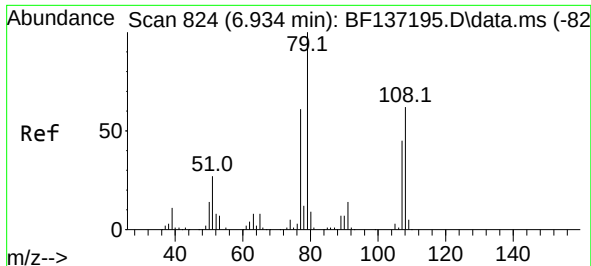
Ion Ratio Lower Upper

146 100

148 64.8 50.6 75.8

111 46.8 37.3 55.9

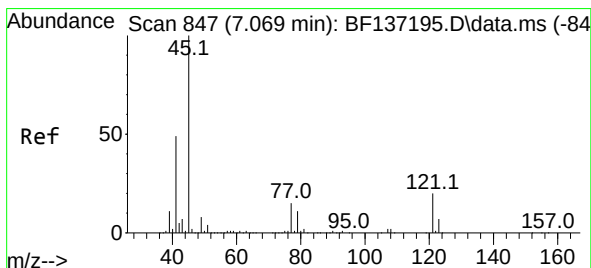
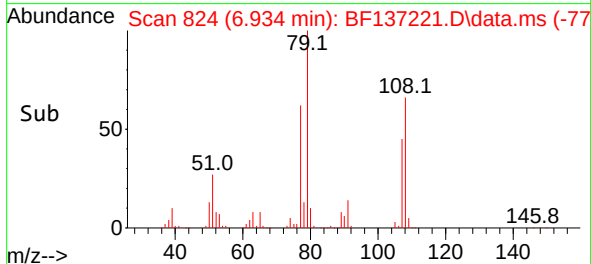
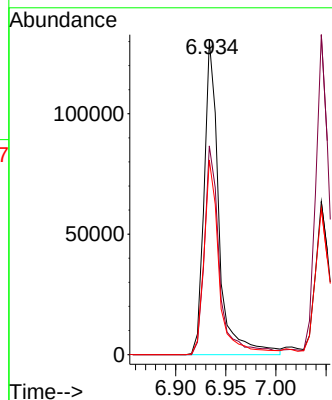
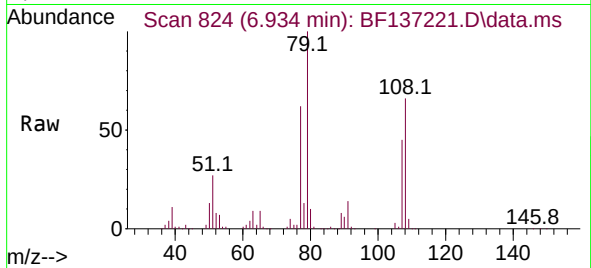




#15
Benzyl Alcohol
Concen: 47.450 ng
RT: 6.934 min Scan# 824
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

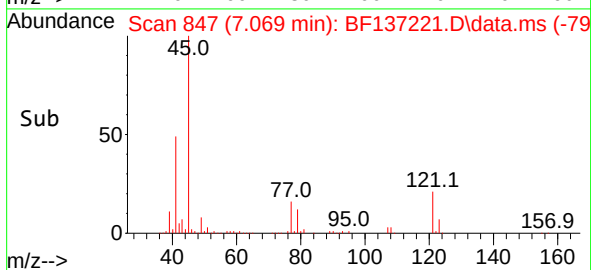
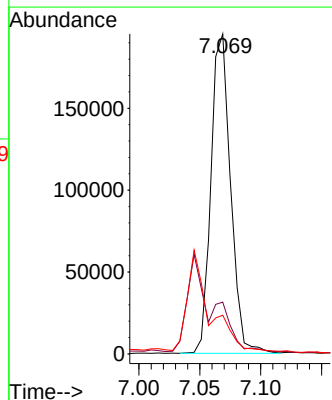
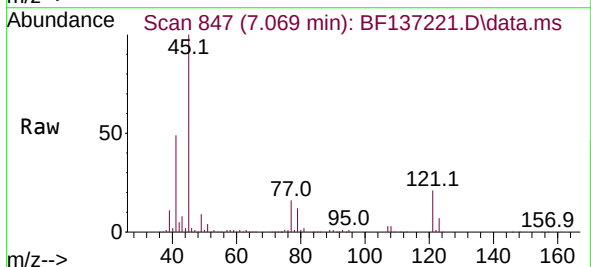
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

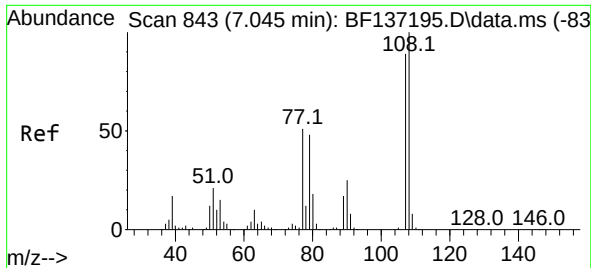
Tgt Ion: 79 Resp: 133975
Ion Ratio Lower Upper
79 100
108 66.4 49.3 73.9
77 61.9 48.8 73.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.973 ng
RT: 7.069 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion: 45 Resp: 218813
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.9
79 12.1 0.0 32.4

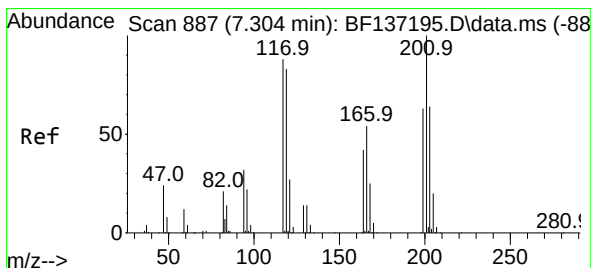
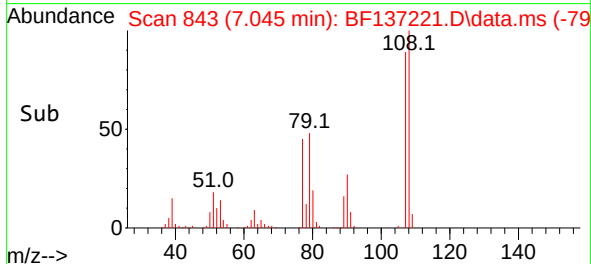
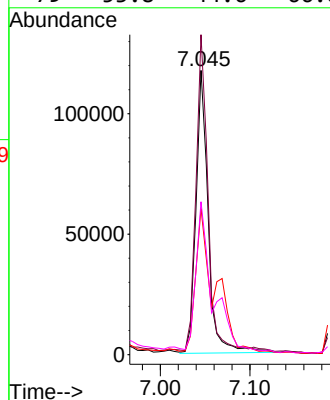
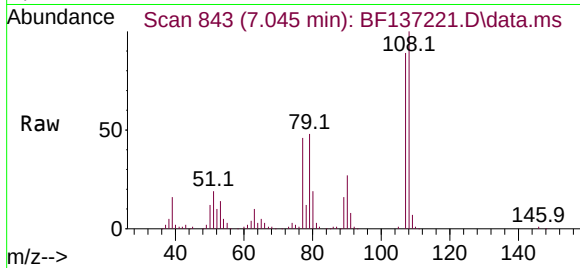




#17
2-Methylphenol
Concen: 42.724 ng
RT: 7.045 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

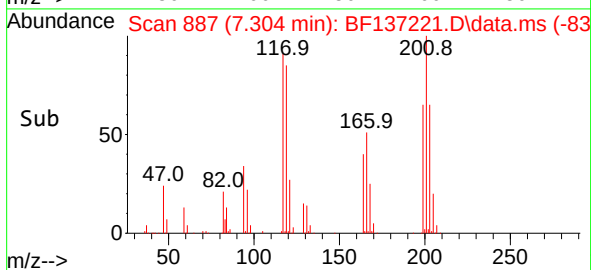
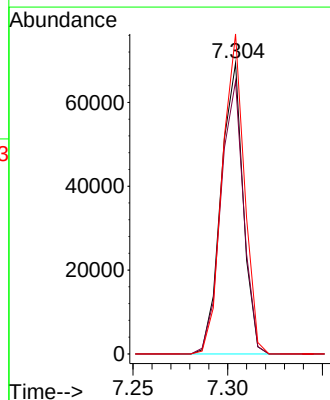
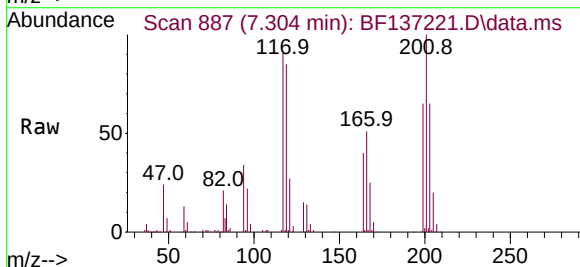
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

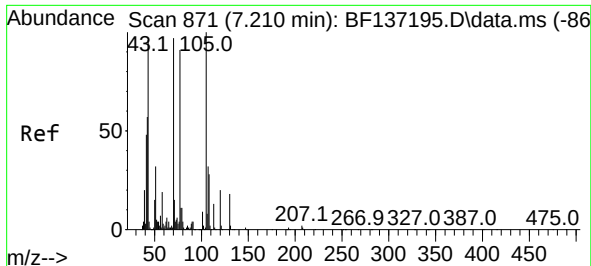
Tgt Ion:	107	Resp:	111140
Ion	Ratio	Lower	Upper
107	100		
108	112.6	89.9	134.9
77	51.4	46.6	69.8
79	53.8	44.6	66.8



#18
Hexachloroethane
Concen: 41.335 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:	117	Resp:	56287
Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.2	114.4
201	110.0	91.4	137.0

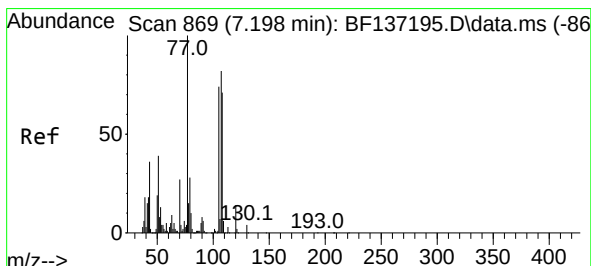
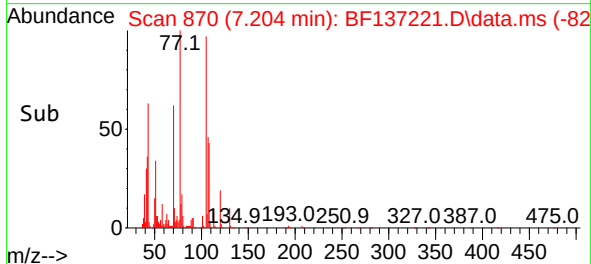
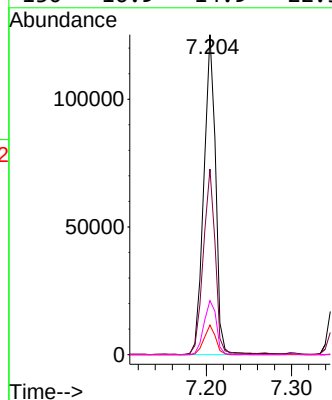
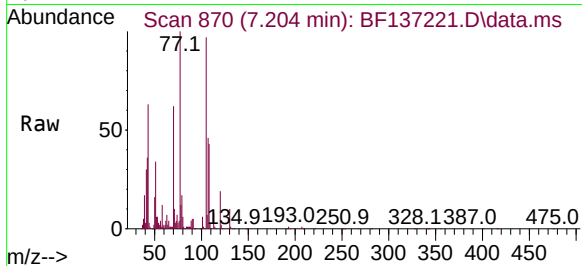




#19
n-Nitroso-di-n-propylamine
Concen: 44.259 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

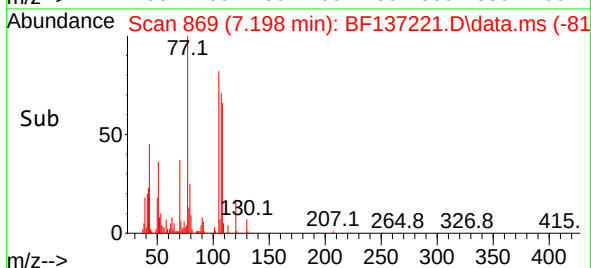
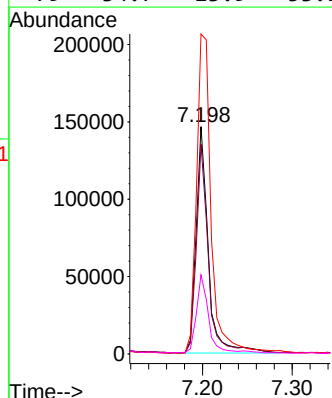
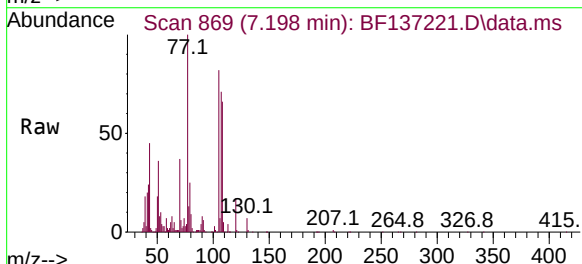
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

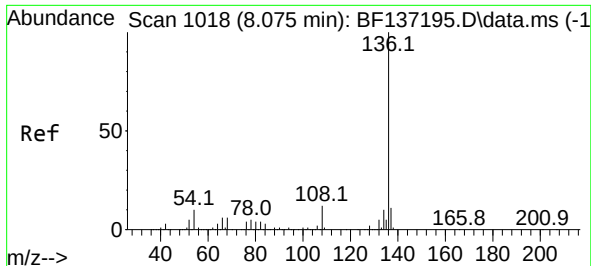
Tgt Ion: 70 Resp: 120602
Ion Ratio Lower Upper
70 100
42 58.0 47.2 70.8
101 9.2 7.4 11.0
130 16.9 14.9 22.3



#20
3+4-Methylphenols
Concen: 41.926 ng
RT: 7.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion: 107 Resp: 138068
Ion Ratio Lower Upper
107 100
108 92.2 66.3 106.3
77 140.8 101.4 141.4
79 34.7 13.9 53.9

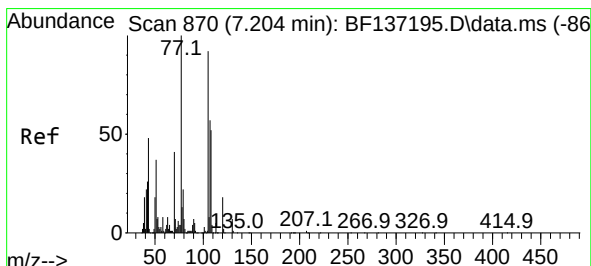
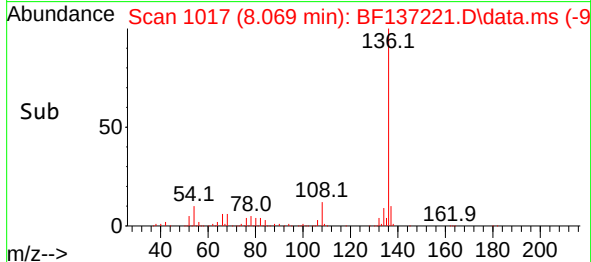
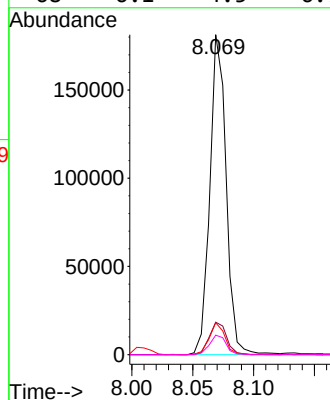
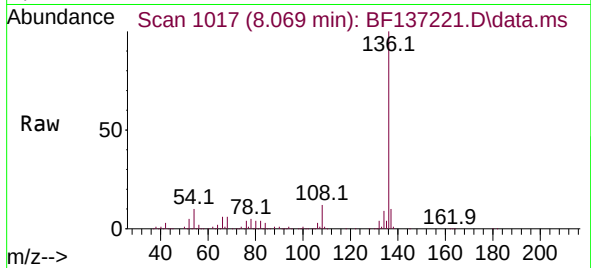




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

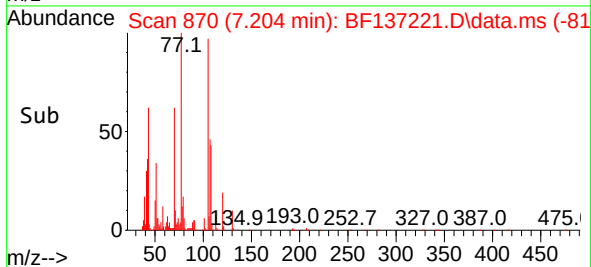
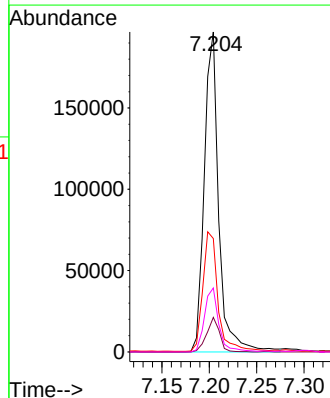
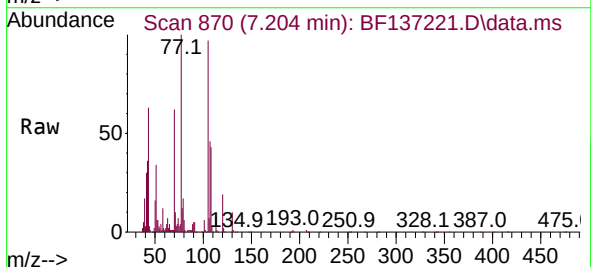
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

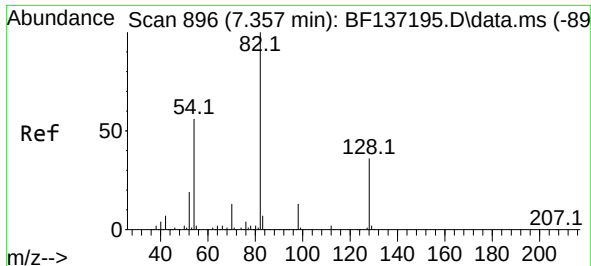
Tgt	Ion:136	Resp:	169542
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.9	13.3
54	10.0	7.8	11.8
68	6.1	4.5	6.7



#22
Acetophenone
Concen: 45.739 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt	Ion:105	Resp:	208767
Ion	Ratio	Lower	Upper
105	100		
71	10.8	5.7	8.5#
51	35.4	32.2	48.4
120	20.0	15.9	23.9

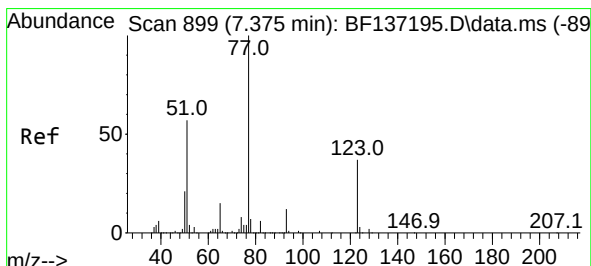
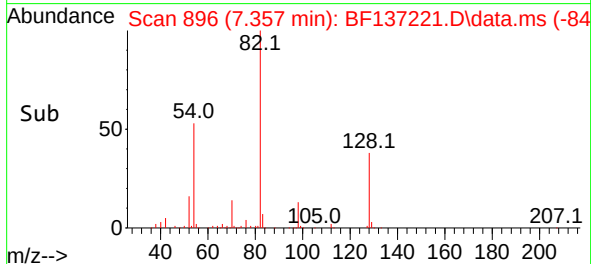
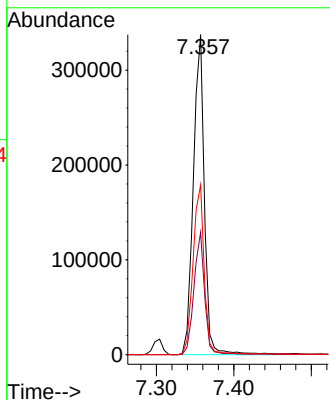
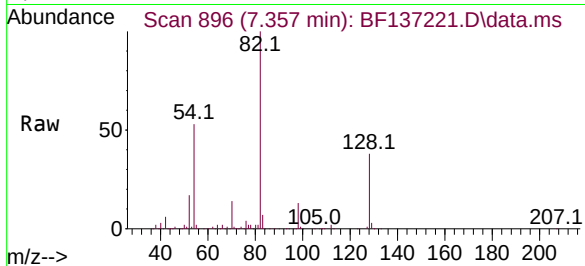




#23
Nitrobenzene-d5
Concen: 88.271 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

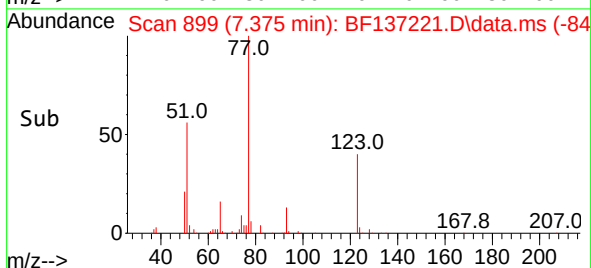
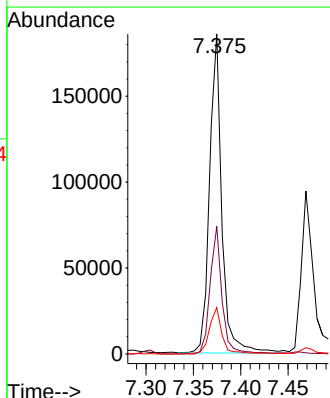
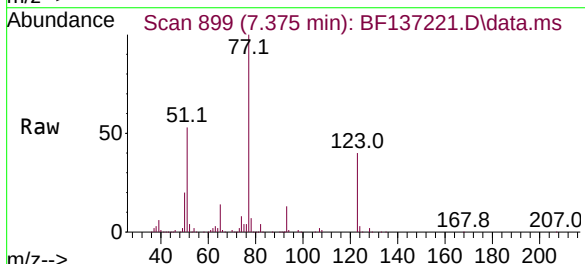
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

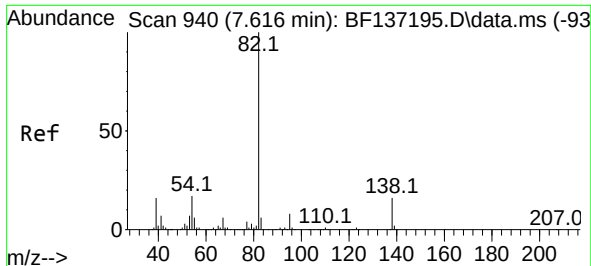
Tgt Ion: 82 Resp: 334266
Ion Ratio Lower Upper
82 100
128 38.2 29.1 43.7
54 53.0 45.0 67.6



#24
Nitrobenzene
Concen: 45.625 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion: 77 Resp: 167692
Ion Ratio Lower Upper
77 100
123 39.9 29.3 43.9
65 14.5 12.0 18.0

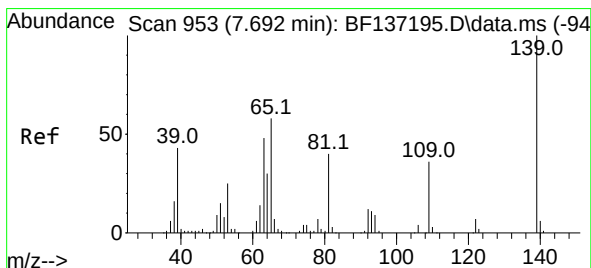
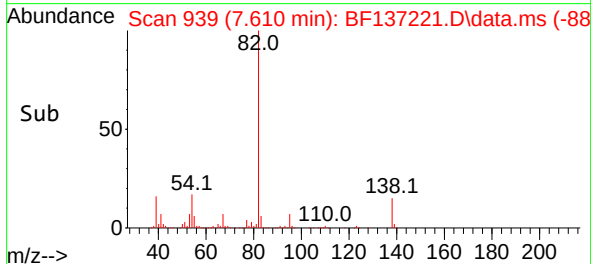
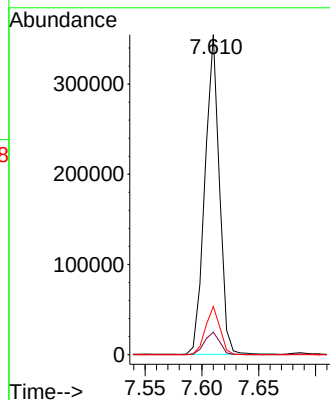
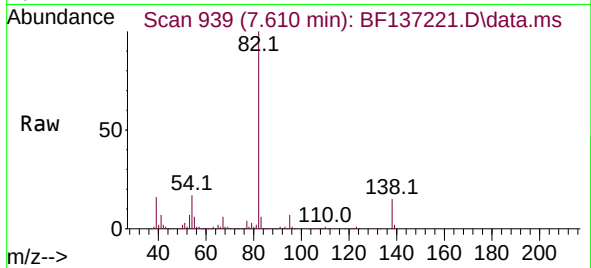




#25
Isophorone
Concen: 44.965 ng
RT: 7.610 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

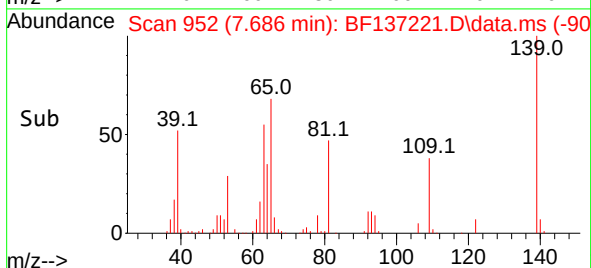
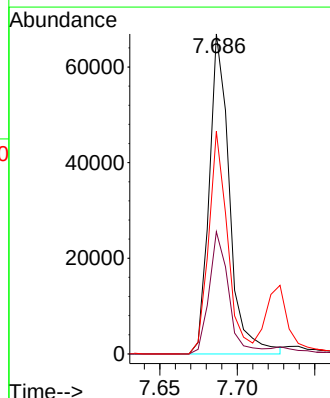
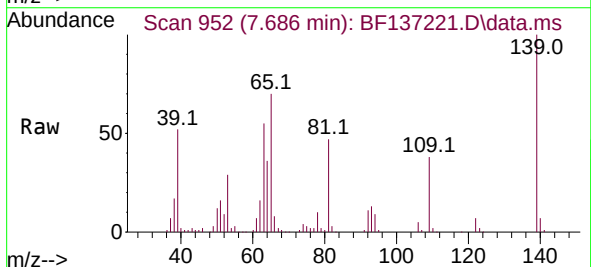
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

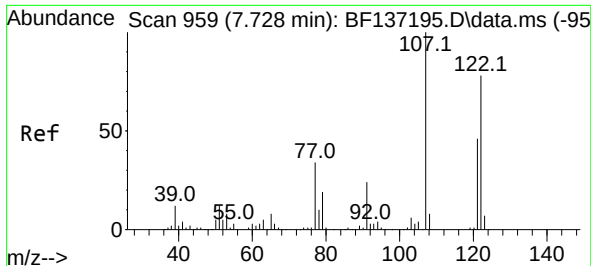
Tgt Ion: 82 Resp: 314294
Ion Ratio Lower Upper
82 100
95 7.0 6.4 9.6
138 15.0 12.7 19.1



#26
2-Nitrophenol
Concen: 43.159 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion: 139 Resp: 61043
Ion Ratio Lower Upper
139 100
109 38.2 28.5 42.7
65 69.5 46.7 70.1

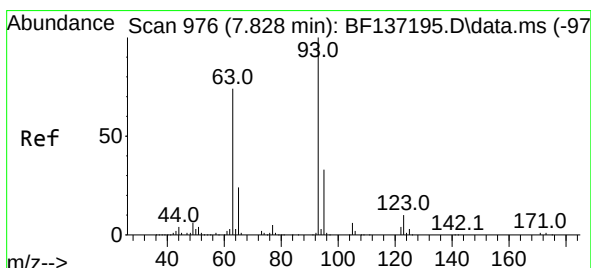
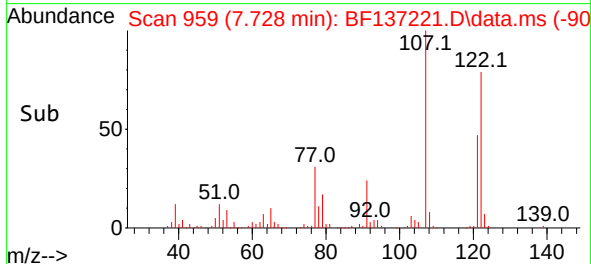
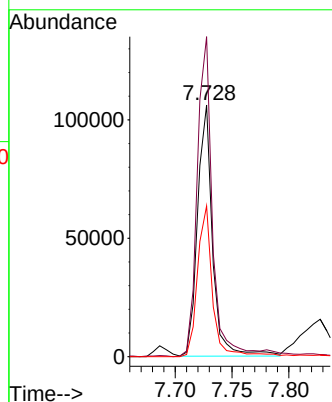
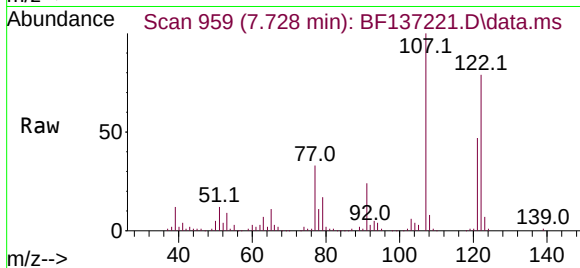




#27
 2,4-Dimethylphenol
 Concen: 48.856 ng
 RT: 7.728 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: BF137221.D
 Acq: 31 Jan 2024 20:29

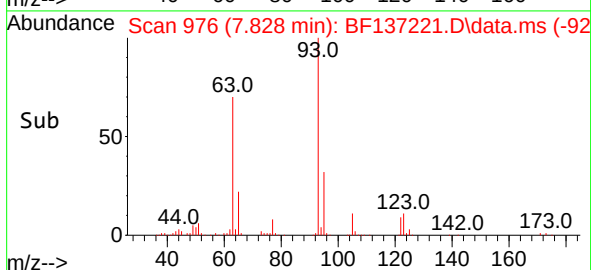
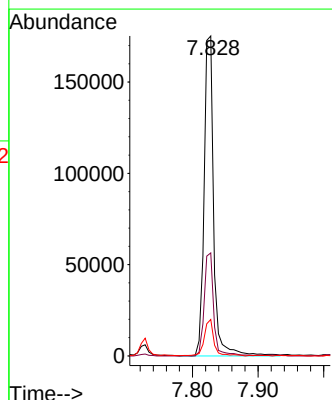
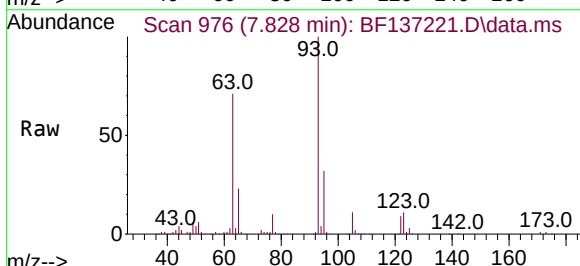
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126MS

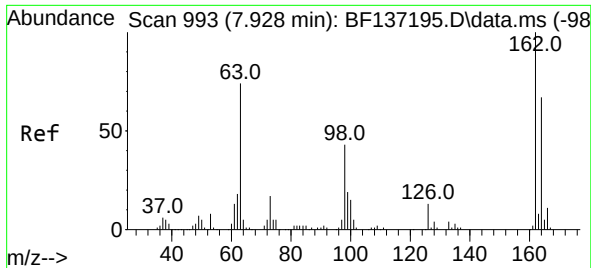
Tgt Ion:122	Resp:	97608
Ion	Ratio	Lower Upper
122	100	
107	127.2	101.8 152.6
121	59.9	46.6 69.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.545 ng
 RT: 7.828 min Scan# 976
 Delta R.T. 0.000 min
 Lab File: BF137221.D
 Acq: 31 Jan 2024 20:29

Tgt Ion: 93	Resp:	176478
Ion	Ratio	Lower Upper
93	100	
95	32.2	26.1 39.1
123	11.4	7.8 11.8





#29

2,4-Dichlorophenol

Concen: 47.045 ng

RT: 7.928 min Scan# 993

Delta R.T. -0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

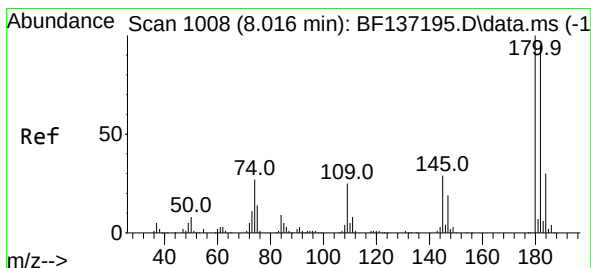
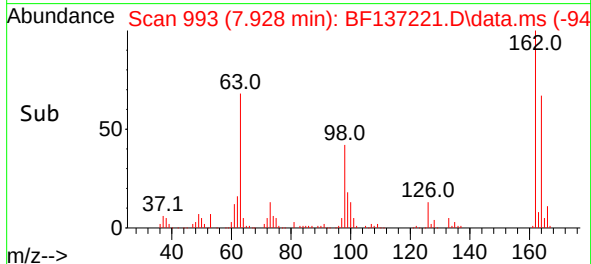
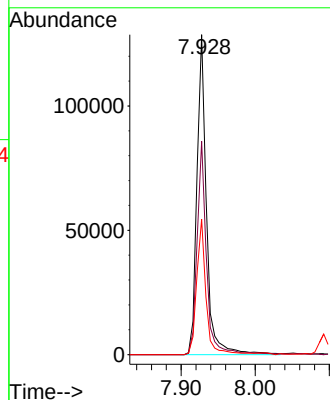
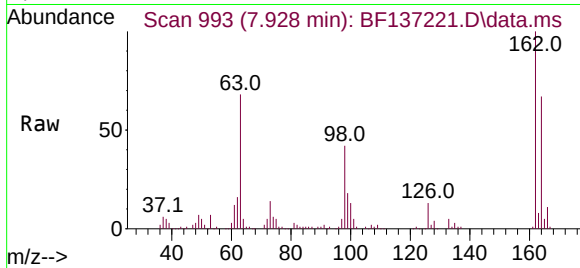
Tgt Ion:162 Resp: 116598

Ion Ratio Lower Upper

162 100

164 66.7 46.7 86.7

98 42.3 22.9 62.9



#30

1,2,4-Trichlorobenzene

Concen: 44.210 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

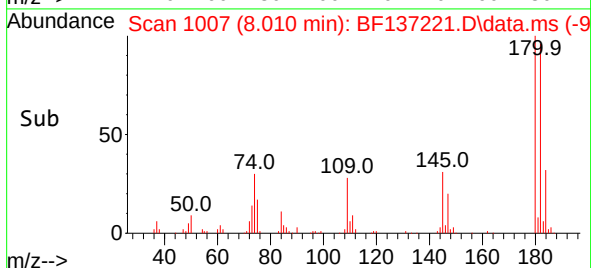
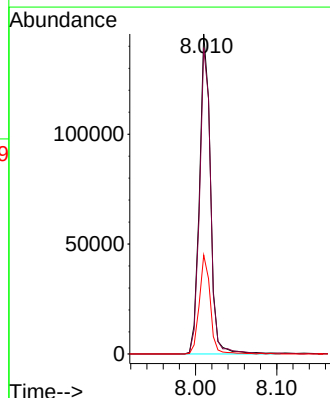
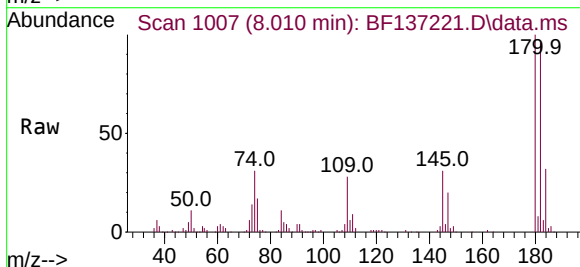
Tgt Ion:180 Resp: 136103

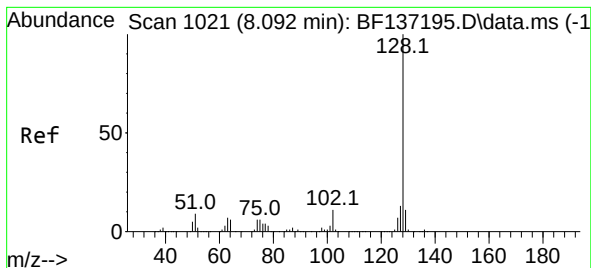
Ion Ratio Lower Upper

180 100

182 95.7 75.9 113.9

145 30.9 23.2 34.8





#31

Naphthalene

Concen: 44.333 ng

RT: 8.092 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

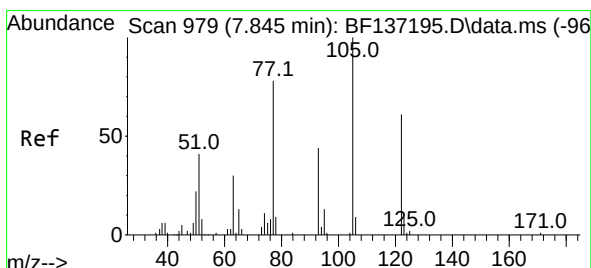
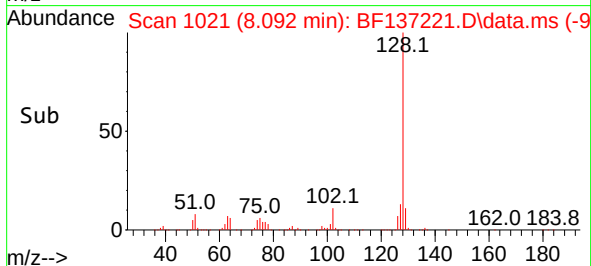
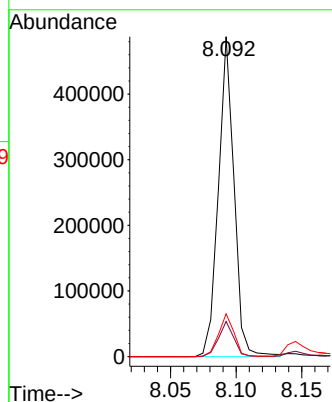
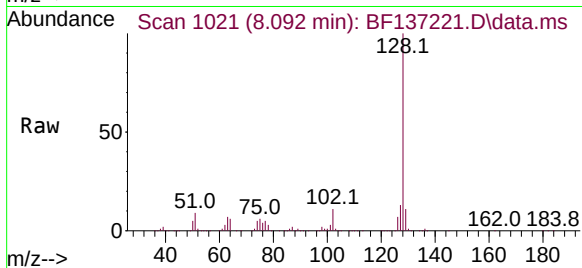
Tgt Ion:128 Resp: 406340

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

127 13.4 10.5 15.7



#32

Benzoic acid

Concen: 25.621 ng

RT: 7.828 min Scan# 976

Delta R.T. -0.017 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

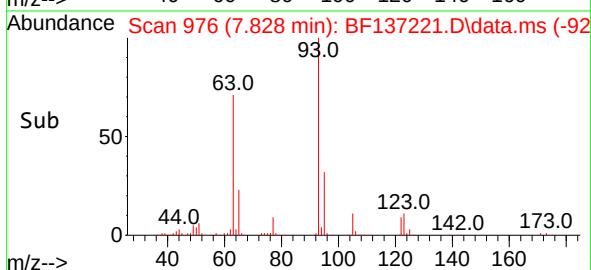
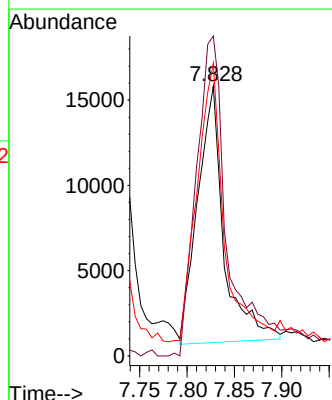
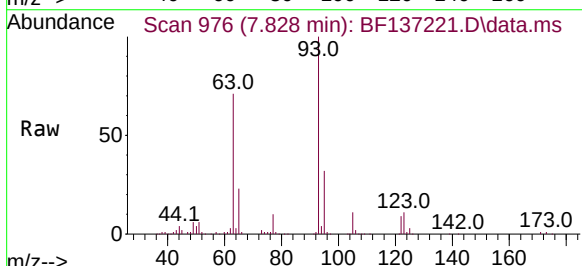
Tgt Ion:122 Resp: 29020

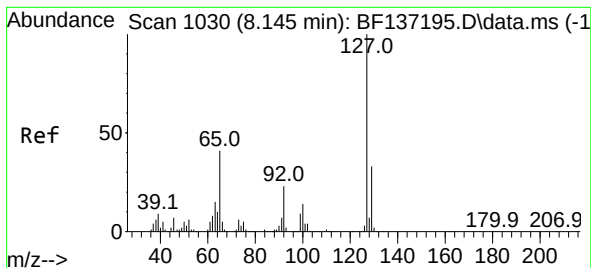
Ion Ratio Lower Upper

122 100

105 118.7 122.5 162.5#

77 108.5 96.4 136.4





#33

4-Chloroaniline

Concen: 11.500 ng

RT: 8.145 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

Tgt Ion:127 Resp: 36258

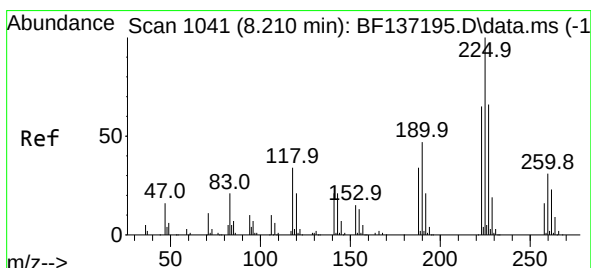
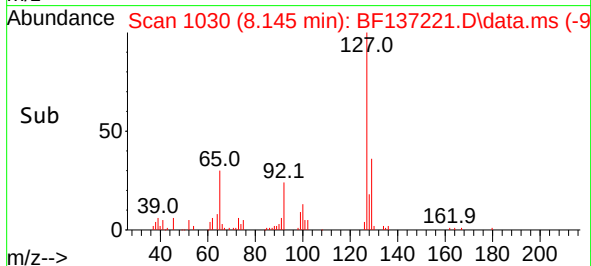
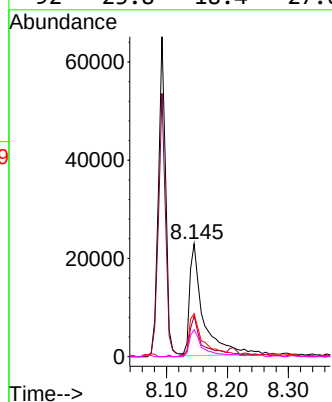
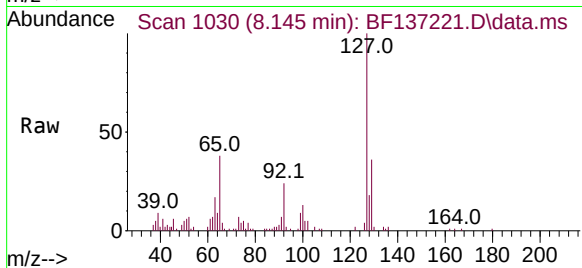
Ion Ratio Lower Upper

127 100

129 35.9 26.8 40.2

65 38.1 32.9 49.3

92 23.8 18.4 27.6



#34

Hexachlorobutadiene

Concen: 45.611 ng

RT: 8.210 min Scan# 1041

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

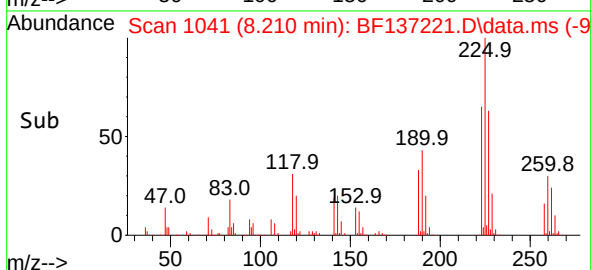
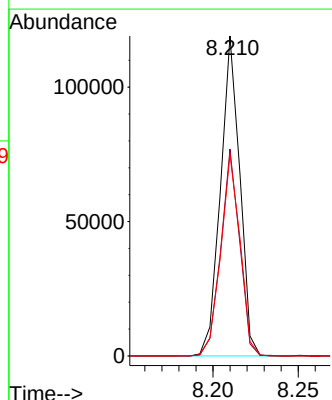
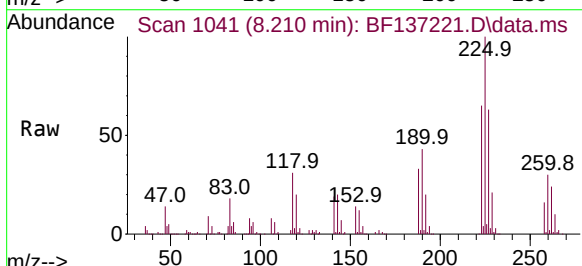
Tgt Ion:225 Resp: 93366

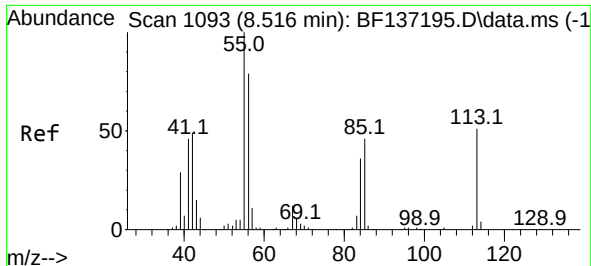
Ion Ratio Lower Upper

225 100

223 64.6 52.0 78.0

227 62.9 52.9 79.3

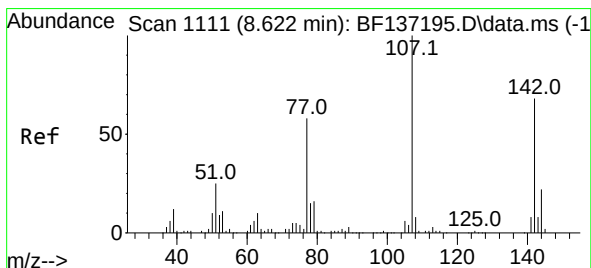
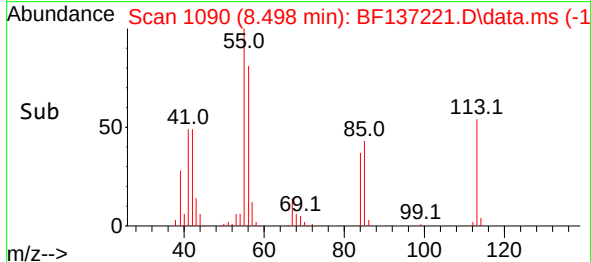
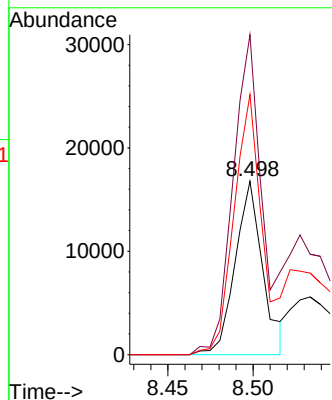
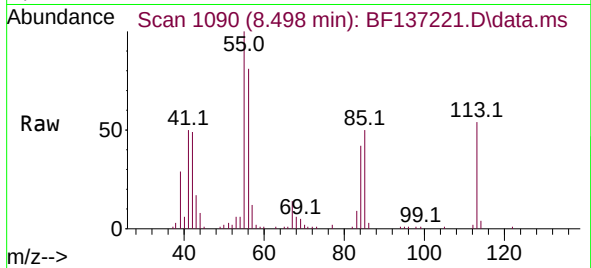




#35
Caprolactam
Concen: 24.482 ng
RT: 8.498 min Scan# 1093
Delta R.T. -0.018 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

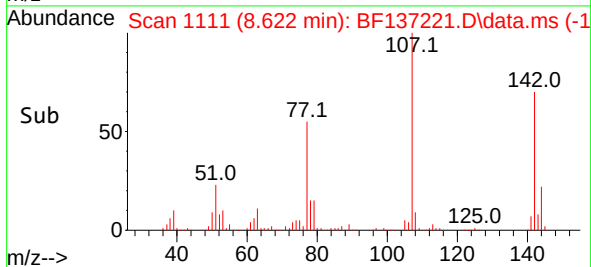
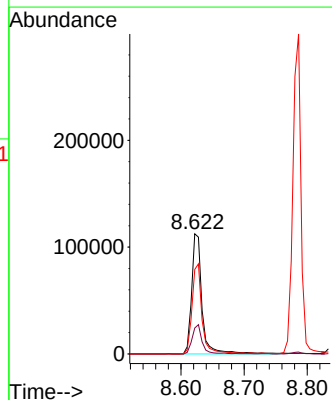
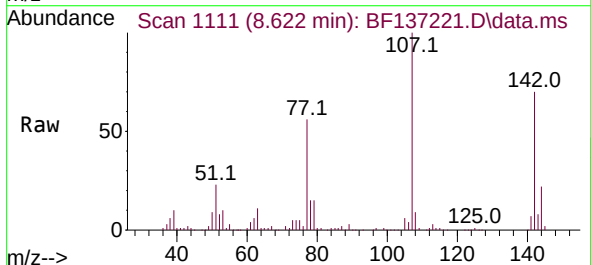
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

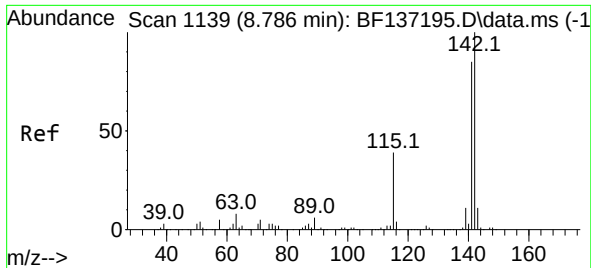
Tgt Ion:113 Resp: 18867
Ion Ratio Lower Upper
113 100
55 184.5 176.0 216.0
56 150.0 134.0 174.0



#36
4-Chloro-3-methylphenol
Concen: 43.877 ng
RT: 8.622 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:107 Resp: 128444
Ion Ratio Lower Upper
107 100
144 21.6 17.2 25.8
142 70.4 54.6 82.0





#37

2-Methylnaphthalene

Concen: 43.799 ng

RT: 8.786 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

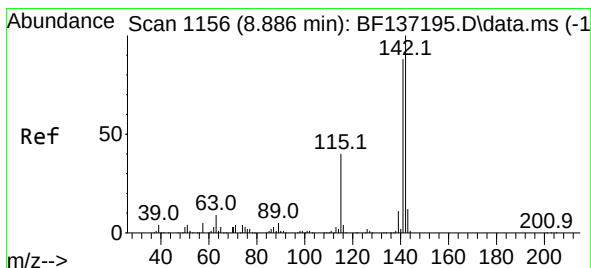
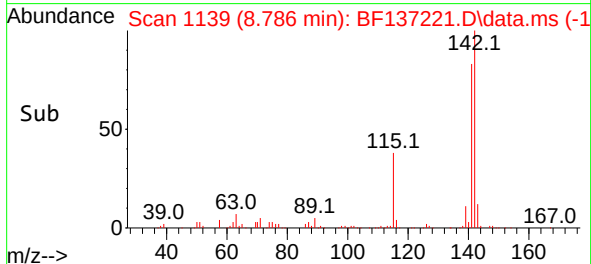
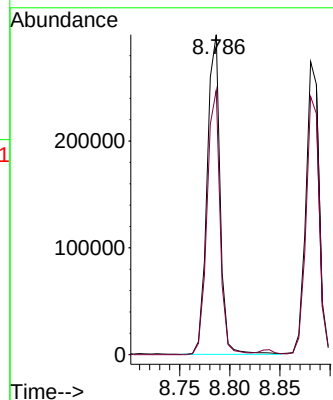
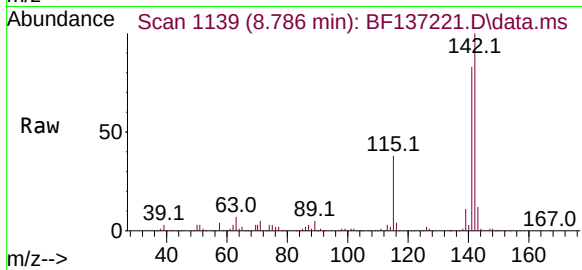
WC-SOIL-20240126MS

Tgt Ion:142 Resp: 269136

Ion Ratio Lower Upper

142 100

141 82.6 67.8 101.8



#38

1-Methylnaphthalene

Concen: 44.264 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF137221.D

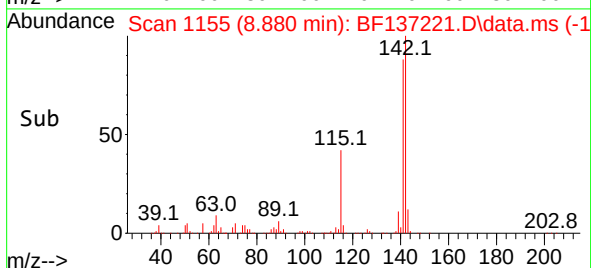
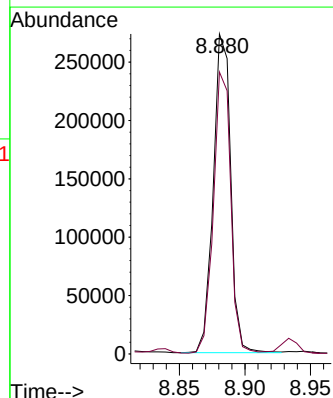
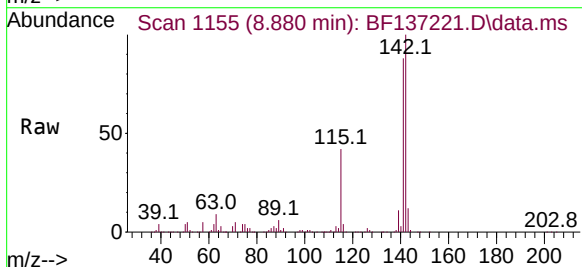
Acq: 31 Jan 2024 20:29

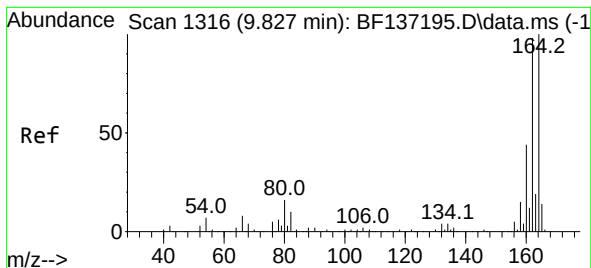
Tgt Ion:142 Resp: 252630

Ion Ratio Lower Upper

142 100

141 88.1 70.6 105.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF137221.D

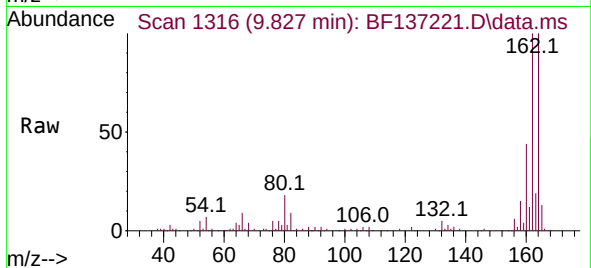
Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS



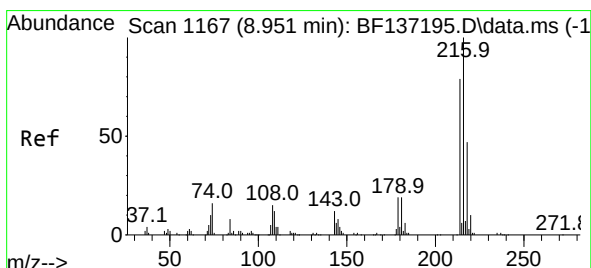
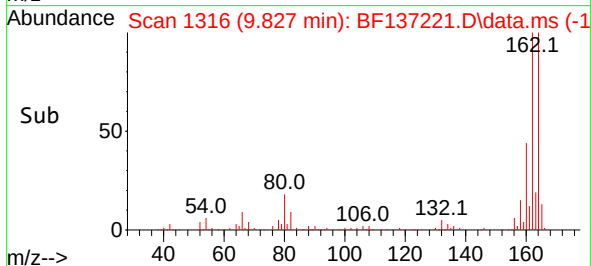
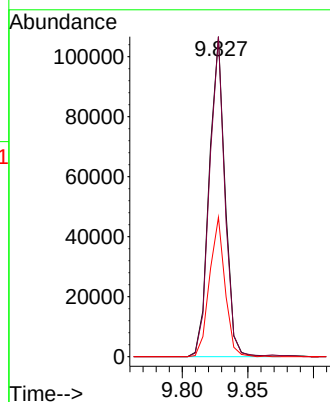
Tgt Ion:164 Resp: 88794

Ion Ratio Lower Upper

164 100

162 100.1 78.3 117.5

160 43.6 35.4 53.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.312 ng

RT: 8.951 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Tgt Ion:216 Resp: 146511

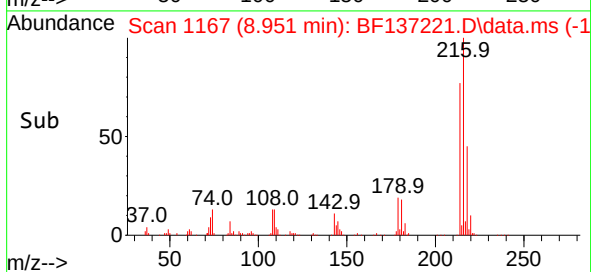
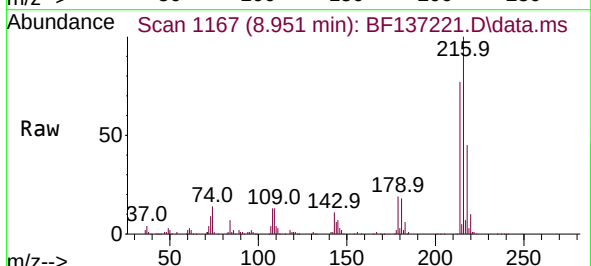
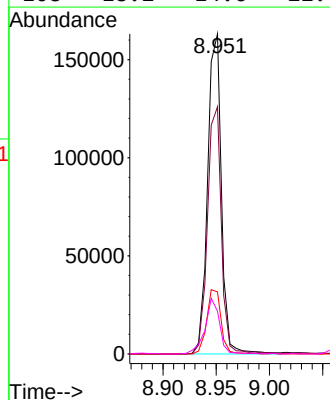
Ion Ratio Lower Upper

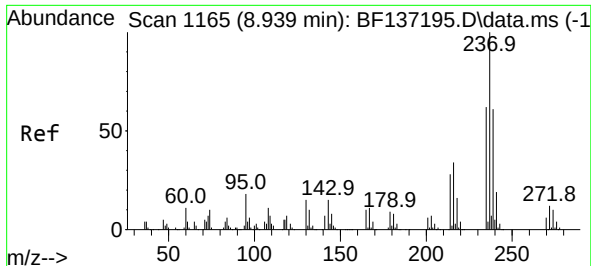
216 100

214 78.0 63.9 95.9

179 20.9 16.2 24.2

108 18.2 14.6 22.0

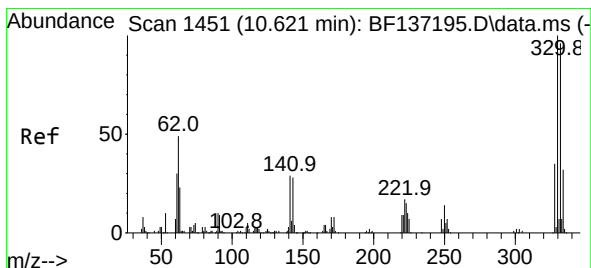
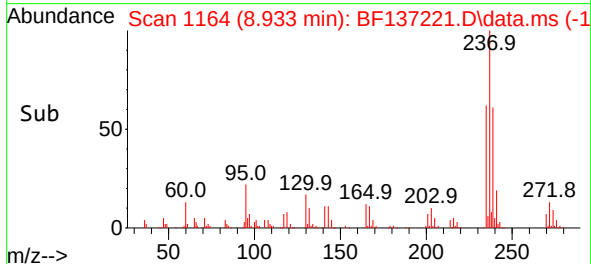
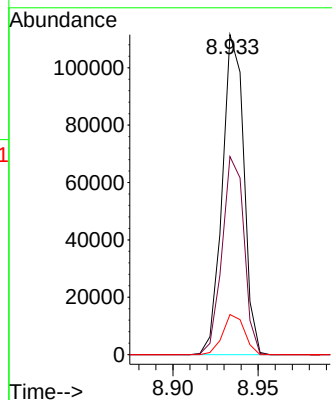
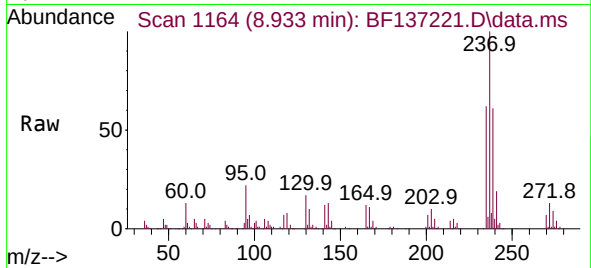




#41
Hexachlorocyclopentadiene
Concen: 69.276 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

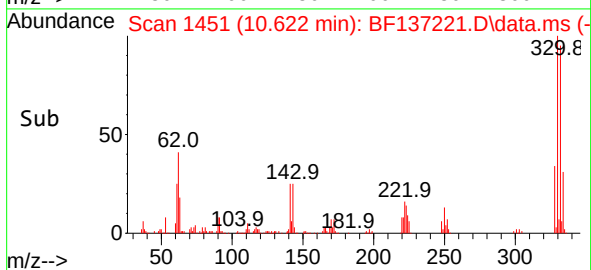
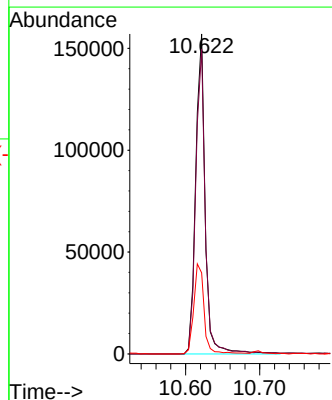
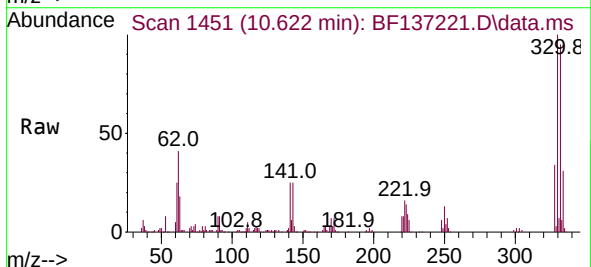
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

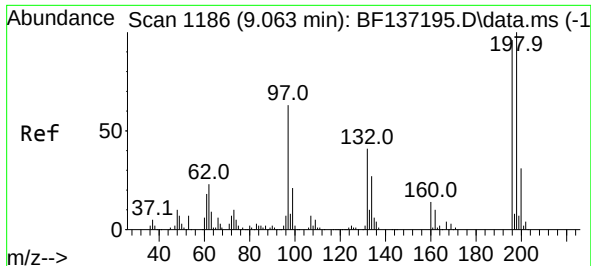
Tgt Ion:237 Resp: 98033
Ion Ratio Lower Upper
237 100
235 61.9 41.6 81.6
272 12.5 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 139.725 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:330 Resp: 140116
Ion Ratio Lower Upper
330 100
332 95.2 77.3 115.9
141 30.3 25.2 37.8

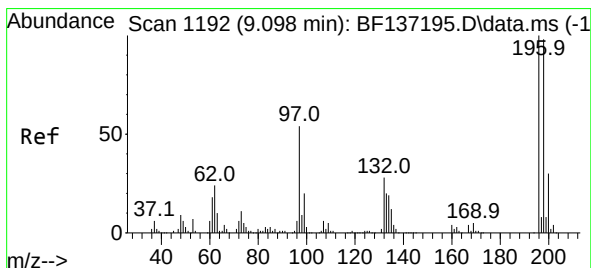
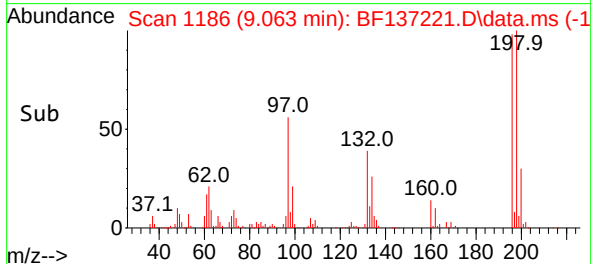
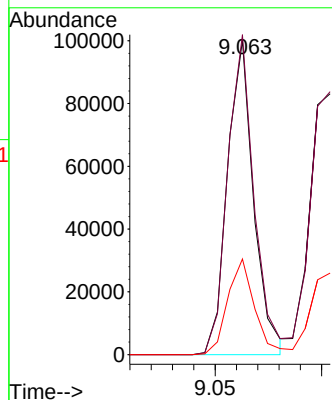
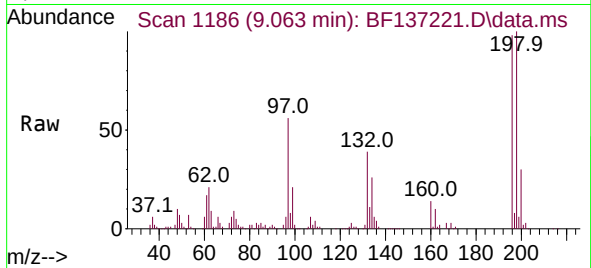




#43
2,4,6-Trichlorophenol
Concen: 50.934 ng
RT: 9.063 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

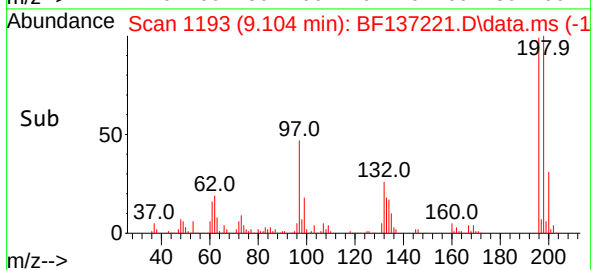
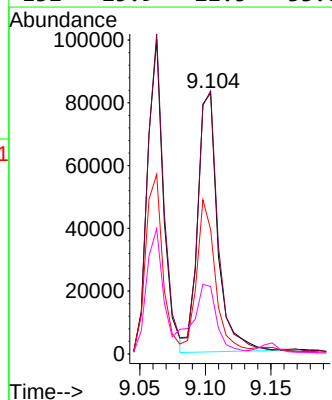
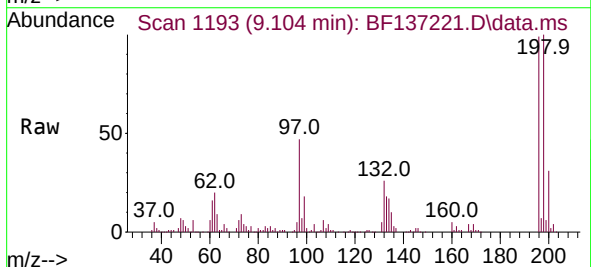
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

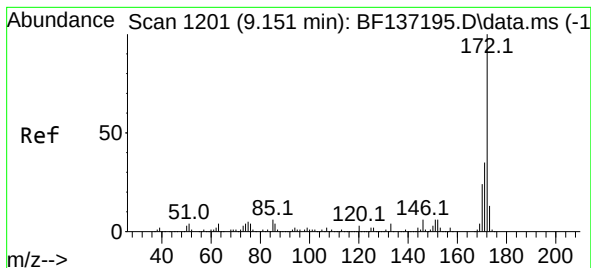
Tgt Ion:196 Resp: 85835
Ion Ratio Lower Upper
196 100
198 101.8 83.0 124.6
200 30.4 25.9 38.9



#44
2,4,5-Trichlorophenol
Concen: 47.775 ng
RT: 9.104 min Scan# 1193
Delta R.T. 0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:196 Resp: 88003
Ion Ratio Lower Upper
196 100
198 100.8 78.2 117.4
97 47.8 44.2 66.2
132 25.9 22.5 33.7





#45

2-Fluorobiphenyl

Concen: 93.699 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

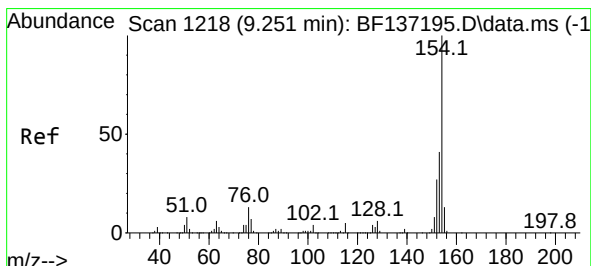
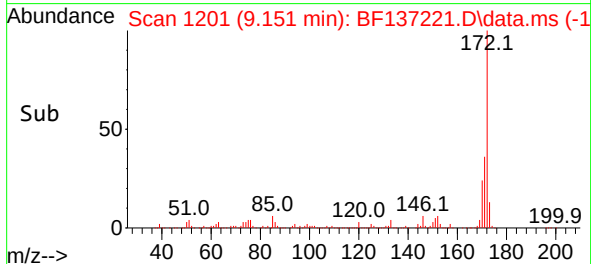
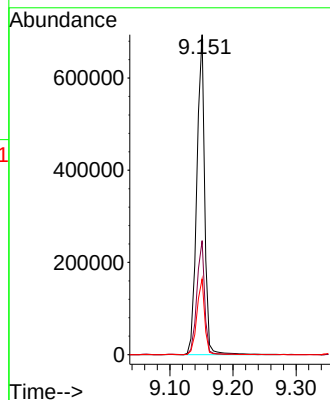
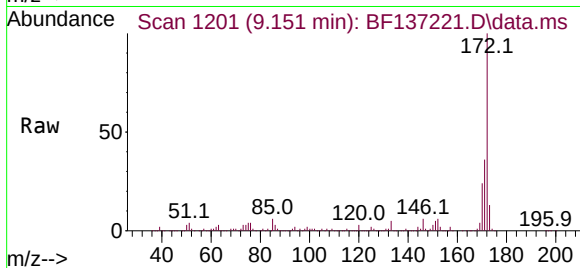
Tgt Ion:172 Resp: 605227

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.7 19.1 28.7



#46

1,1'-Biphenyl

Concen: 49.320 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

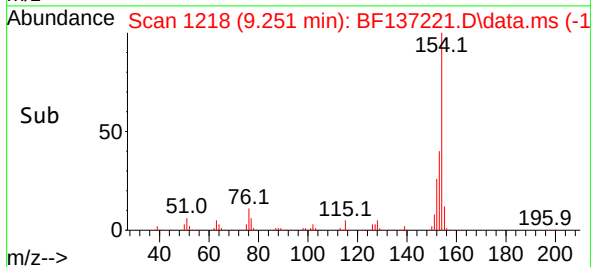
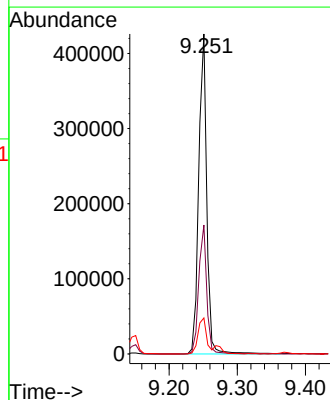
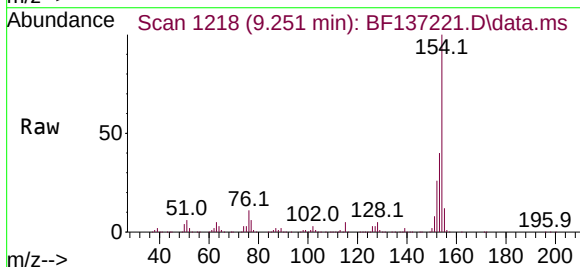
Tgt Ion:154 Resp: 348433

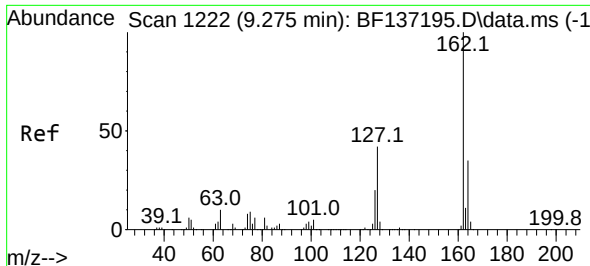
Ion Ratio Lower Upper

154 100

153 40.3 21.2 61.2

76 11.2 0.0 33.0

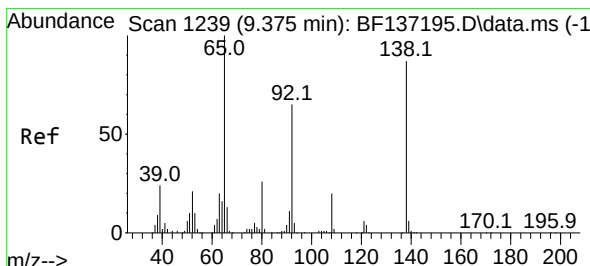
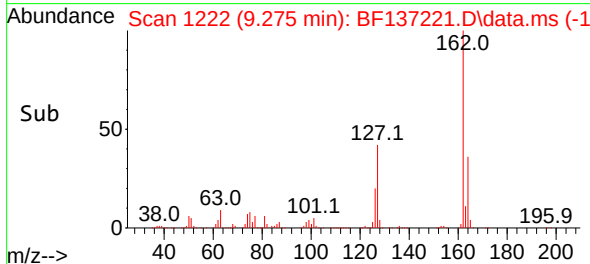
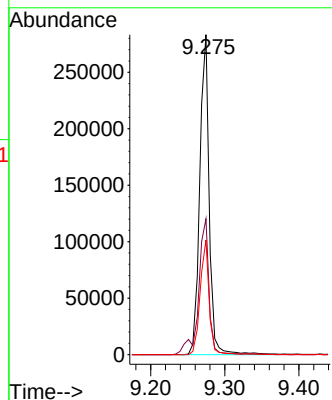
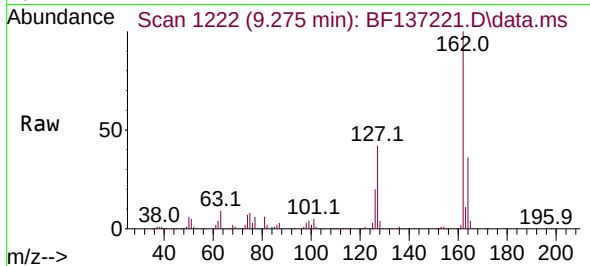




#47
2-Chloronaphthalene
Concen: 48.115 ng
RT: 9.275 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

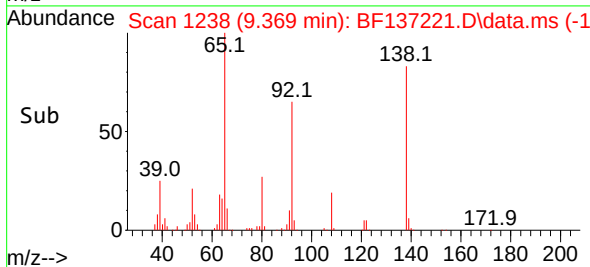
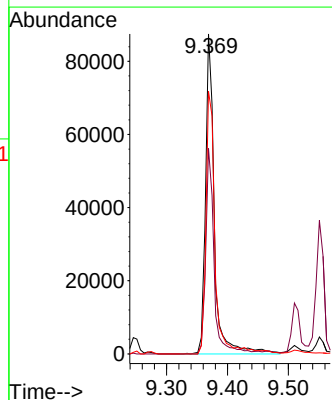
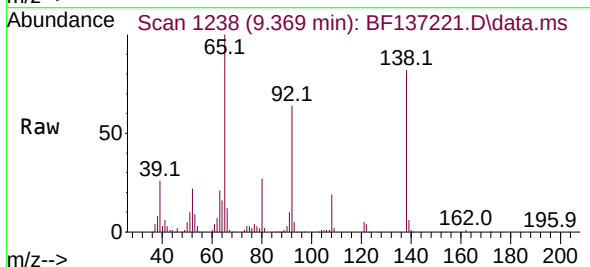
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

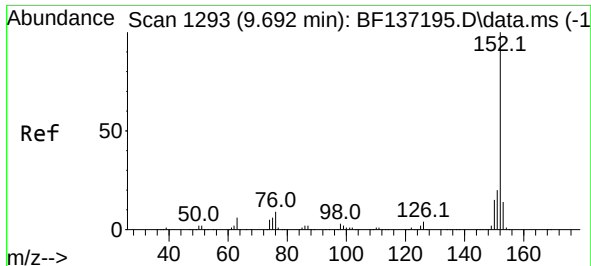
Tgt Ion:162 Resp: 251558
Ion Ratio Lower Upper
162 100
127 42.4 34.1 51.1
164 35.8 27.9 41.9



#48
2-Nitroaniline
Concen: 51.779 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion: 65 Resp: 87621
Ion Ratio Lower Upper
65 100
92 64.2 51.7 77.5
138 82.0 69.7 104.5





#49

Acenaphthylene

Concen: 47.723 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

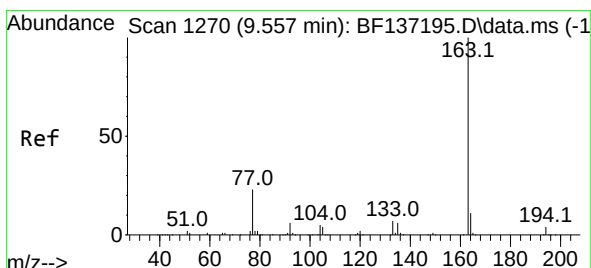
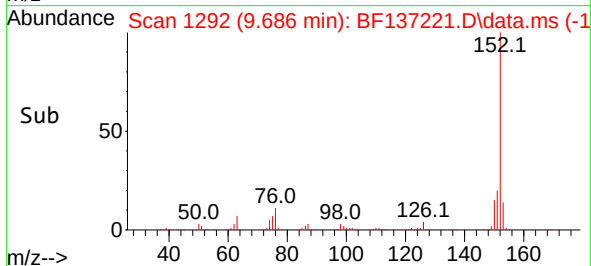
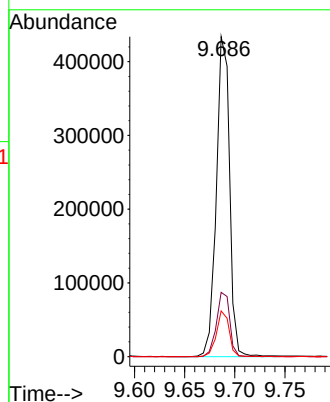
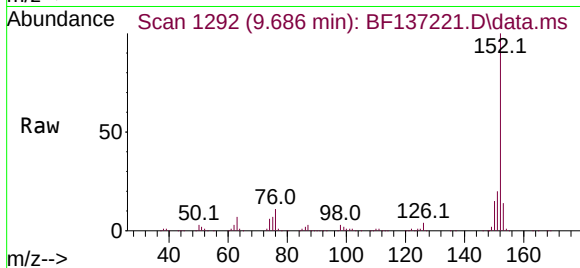
Tgt Ion:152 Resp: 399443

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

153 14.3 11.2 16.8



#50

Dimethylphthalate

Concen: 51.127 ng

RT: 9.551 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

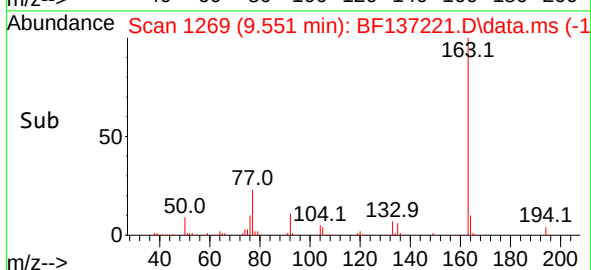
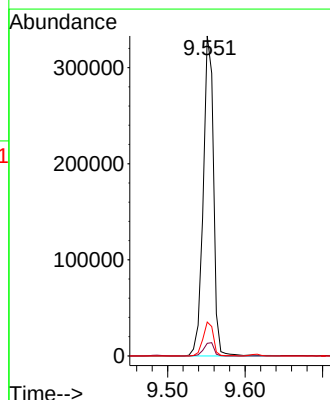
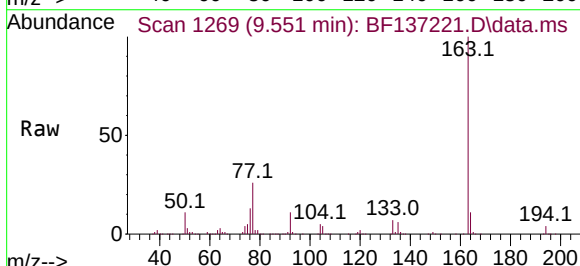
Tgt Ion:163 Resp: 306693

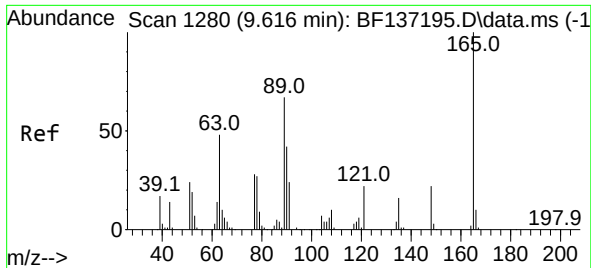
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.6 8.6 13.0

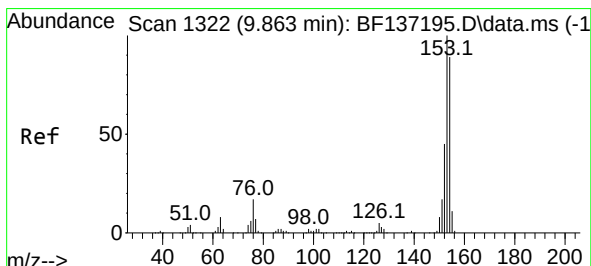
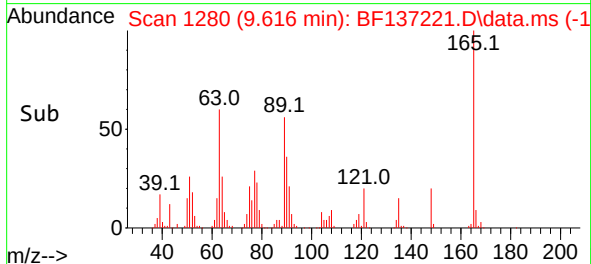
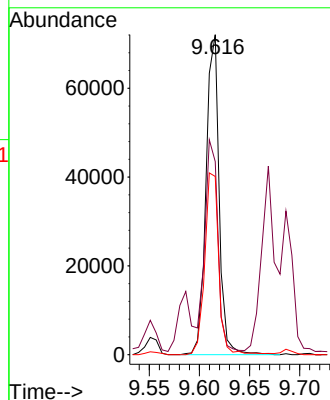
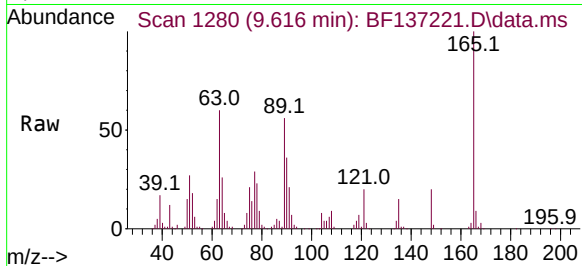




#51
2,6-Dinitrotoluene
Concen: 51.065 ng
RT: 9.616 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

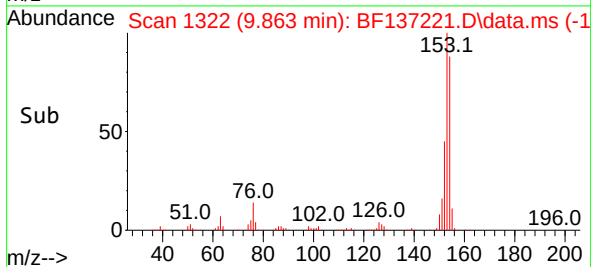
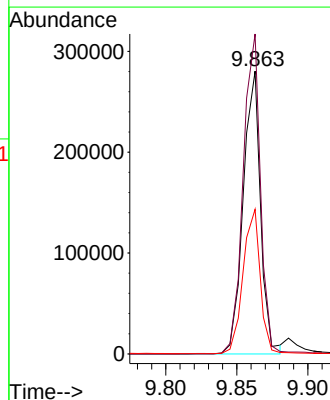
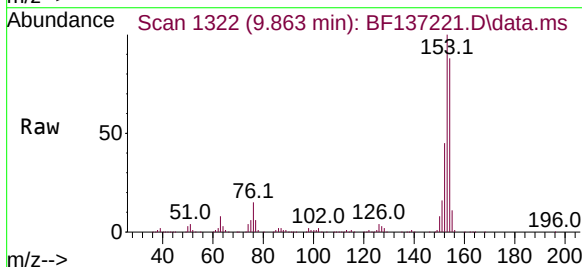
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

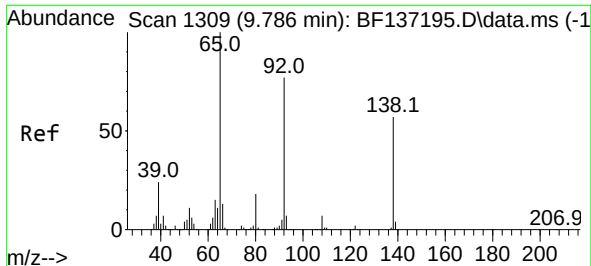
Tgt Ion:165 Resp: 65320
Ion Ratio Lower Upper
165 100
63 60.3 55.1 82.7
89 55.7 53.5 80.3



#52
Acenaphthene
Concen: 48.183 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:154 Resp: 237026
Ion Ratio Lower Upper
154 100
153 113.2 90.2 135.4
152 51.1 40.6 60.8

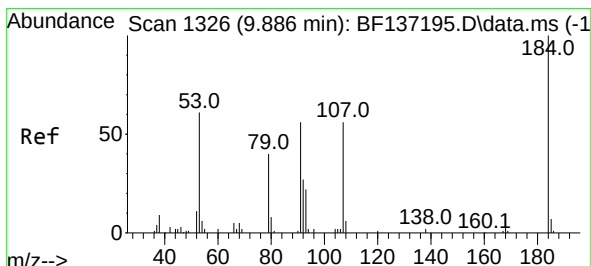
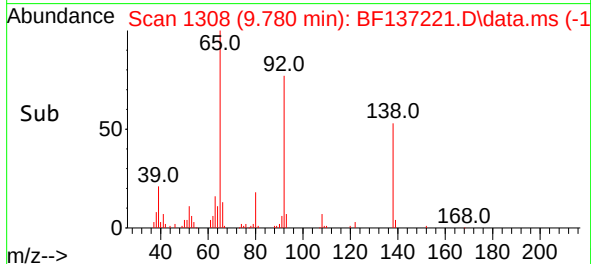
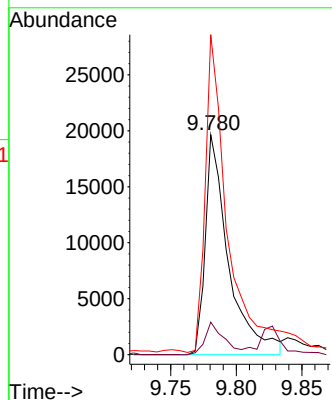
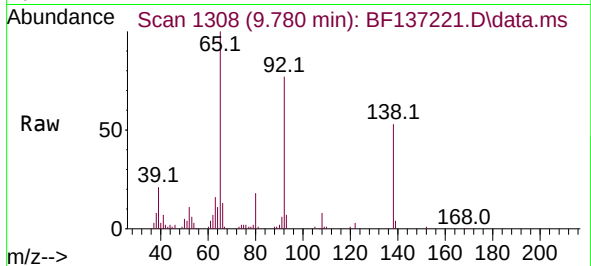




#53
3-Nitroaniline
Concen: 21.025 ng
RT: 9.780 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

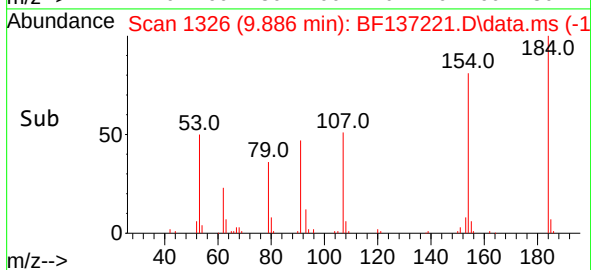
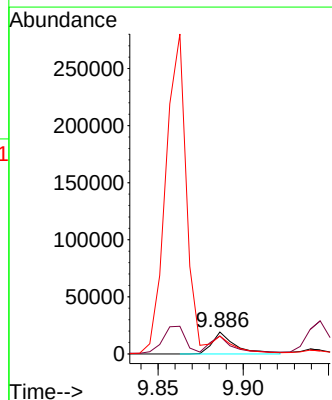
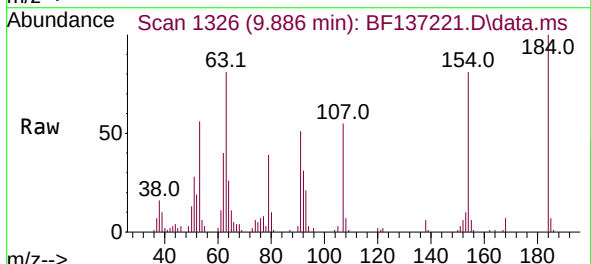
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

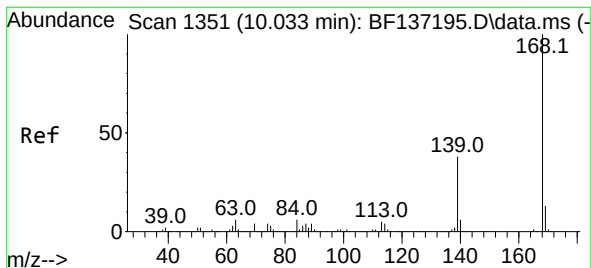
Tgt Ion:138 Resp: 24203
Ion Ratio Lower Upper
138 100
108 14.8 10.4 15.6
92 145.6 108.6 162.8



#54
2,4-Dinitrophenol
Concen: 38.484 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:184 Resp: 17926
Ion Ratio Lower Upper
184 100
63 81.2 71.2 106.8
154 81.3 64.9 97.3





#55

Dibenzofuran

Concen: 47.486 ng

RT: 10.033 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

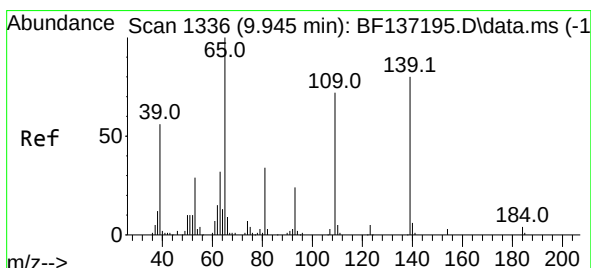
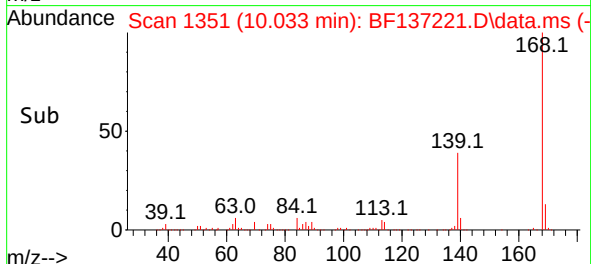
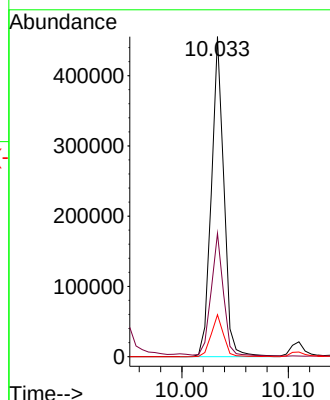
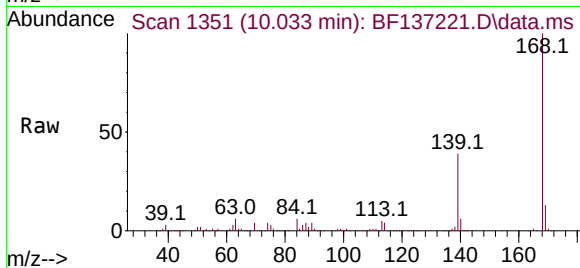
Tgt Ion:168 Resp: 371640

Ion Ratio Lower Upper

168 100

139 38.5 31.1 46.7

169 13.1 10.6 16.0



#56

4-Nitrophenol

Concen: 91.807 ng

RT: 9.945 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

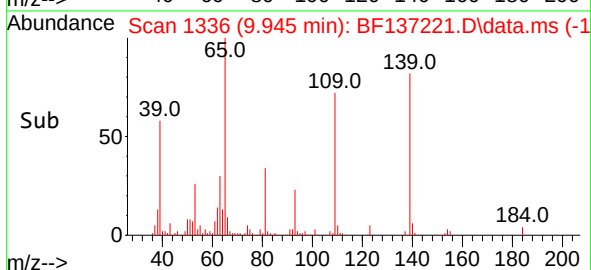
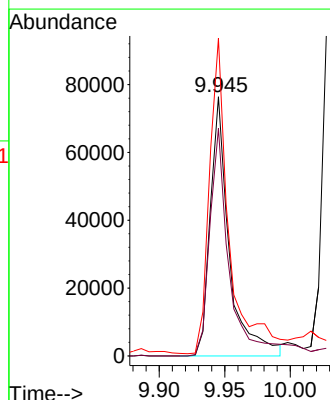
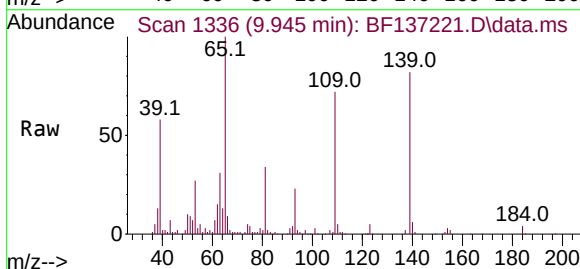
Tgt Ion:139 Resp: 77214

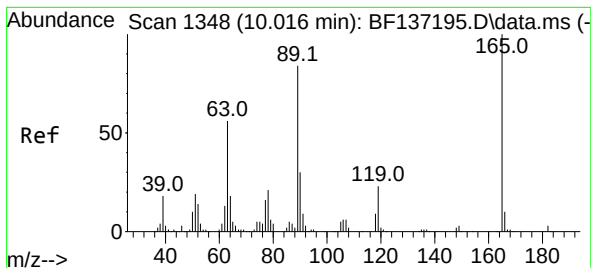
Ion Ratio Lower Upper

139 100

109 87.7 70.4 110.4

65 122.5 107.6 147.6

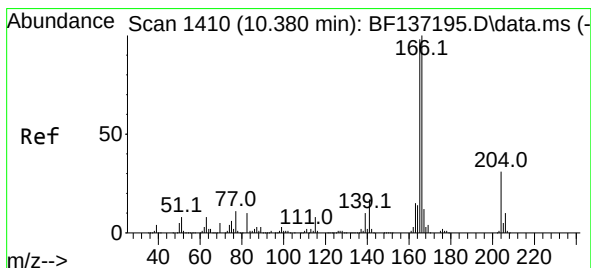
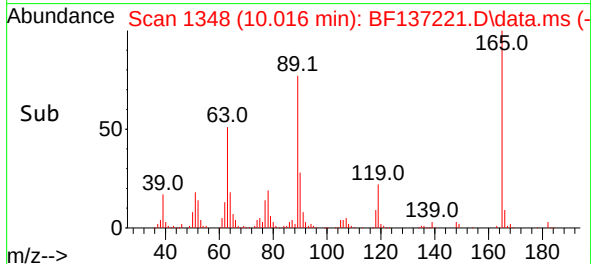
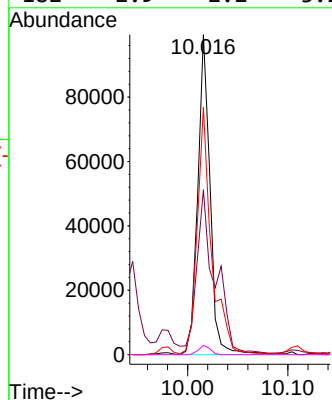
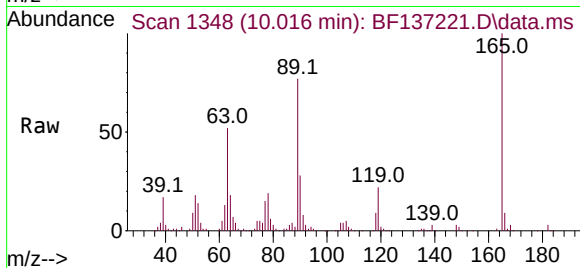




#57
2,4-Dinitrotoluene
Concen: 50.920 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

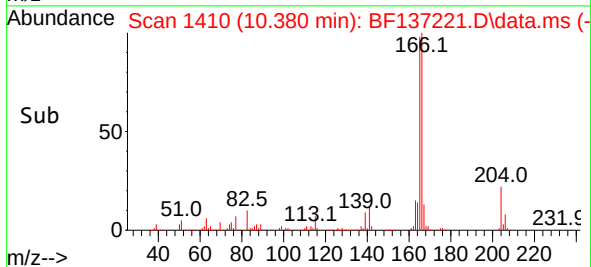
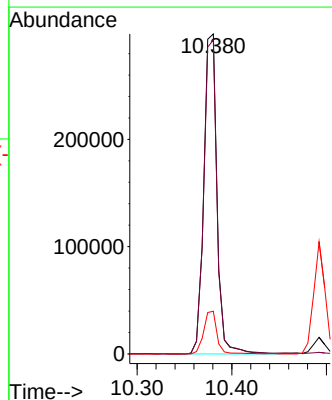
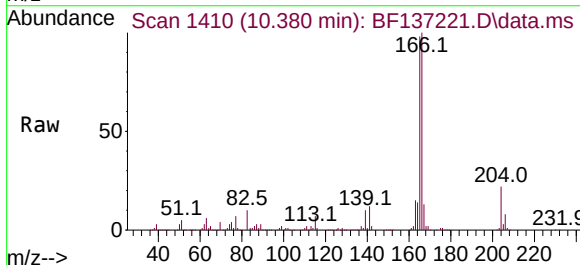
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

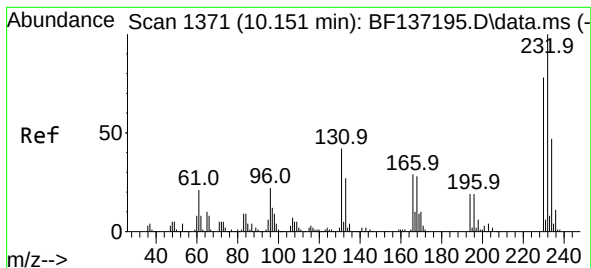
Tgt Ion:165 Resp: 84515
Ion Ratio Lower Upper
165 100
63 51.5 46.1 69.1
89 77.3 67.5 101.3
182 2.9 2.2 3.2



#58
Fluorene
Concen: 47.133 ng
RT: 10.380 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:166 Resp: 289188
Ion Ratio Lower Upper
166 100
165 98.1 78.5 117.7
167 13.3 10.0 15.0

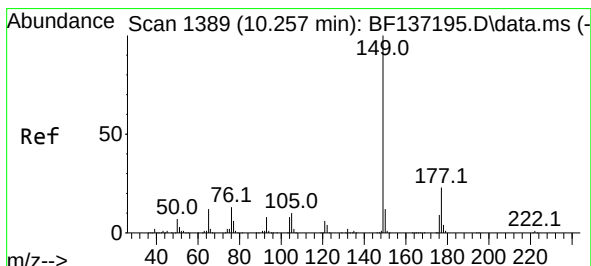
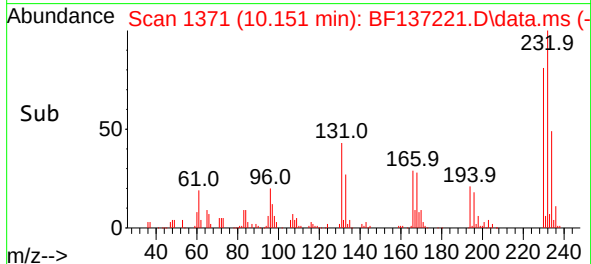
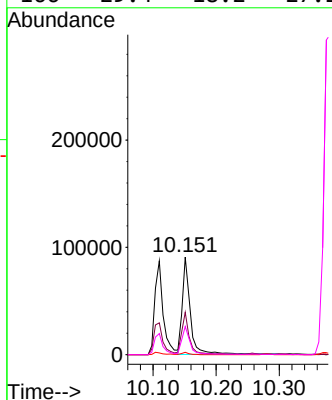
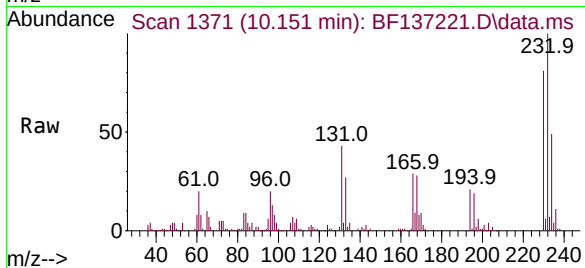




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.596 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

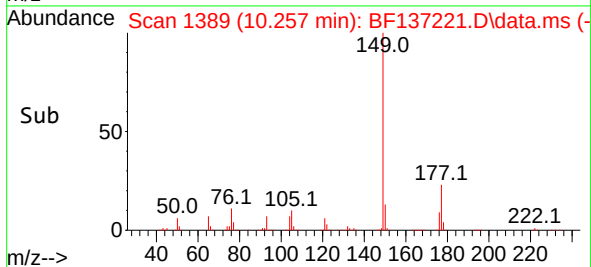
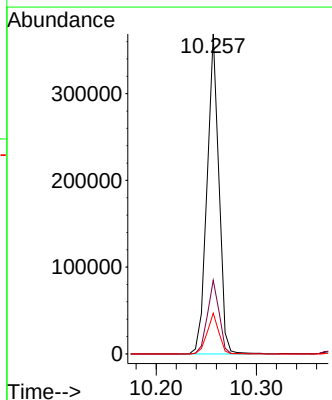
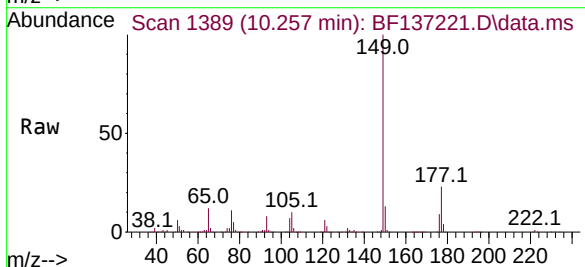
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

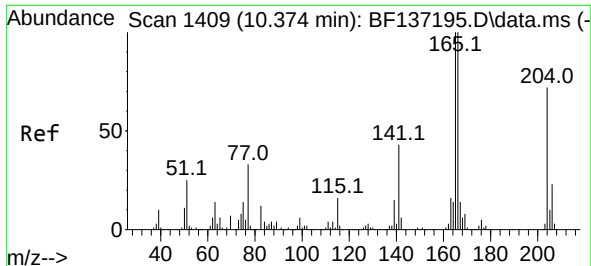
Tgt Ion:232 Resp: 79862
Ion Ratio Lower Upper
232 100
131 40.7 27.4 41.2
130 2.0 1.7 2.5
166 29.4 18.2 27.2#



#60
Diethylphthalate
Concen: 51.030 ng
RT: 10.257 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:149 Resp: 301411
Ion Ratio Lower Upper
149 100
177 23.0 18.0 27.0
150 12.7 9.6 14.4

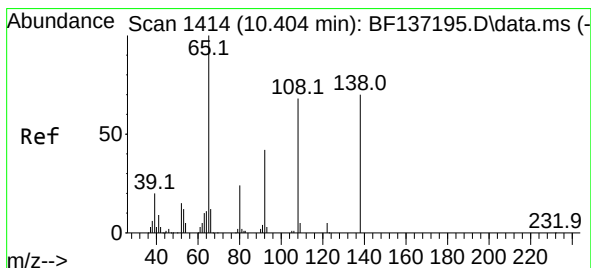
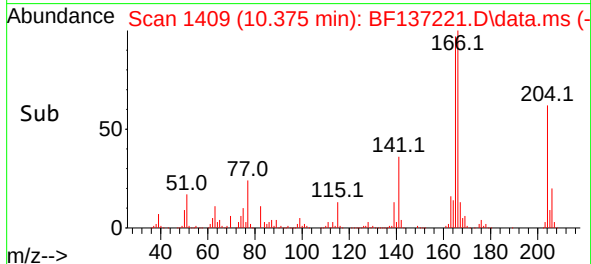
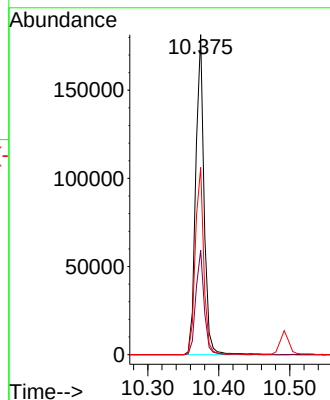
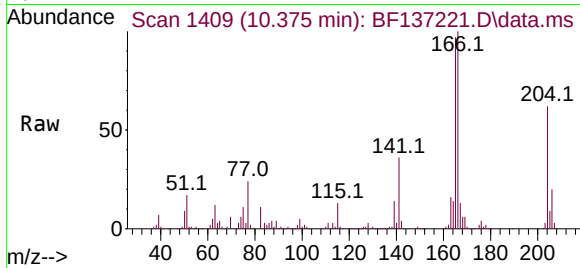




#61
4-Chlorophenyl-phenylether
Concen: 48.458 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

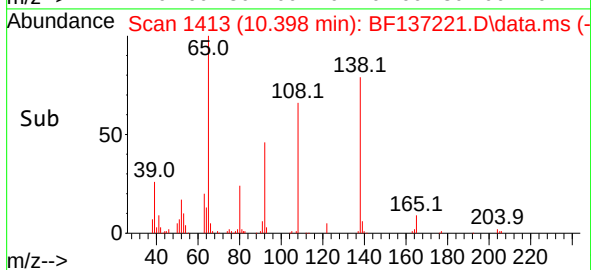
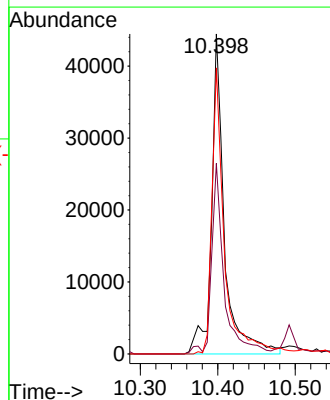
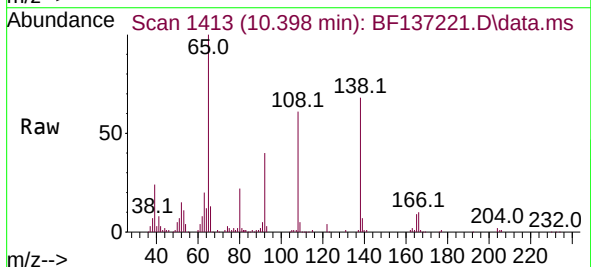
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

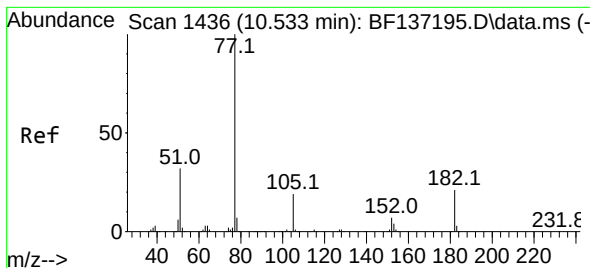
Tgt Ion:204 Resp: 147785
Ion Ratio Lower Upper
204 100
206 32.7 25.5 38.3
141 58.5 48.3 72.5



#62
4-Nitroaniline
Concen: 46.610 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:138 Resp: 51357
Ion Ratio Lower Upper
138 100
92 59.5 39.3 79.3
108 89.4 75.3 115.3





#63

Azobenzene

Concen: 46.077 ng

RT: 10.533 min Scan# 1436

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

Tgt Ion: 77 Resp: 301408

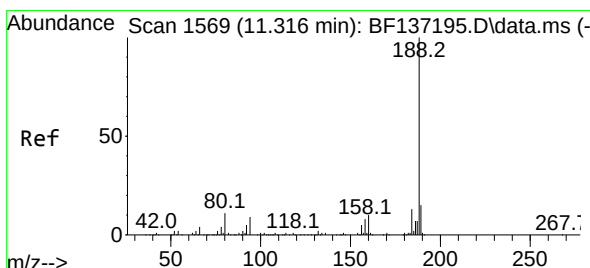
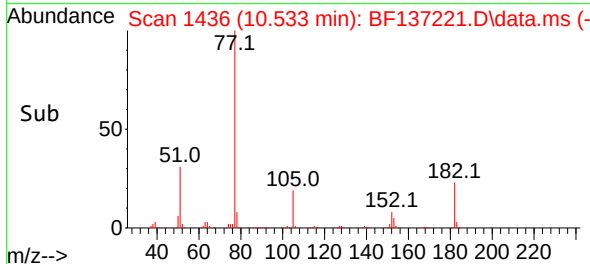
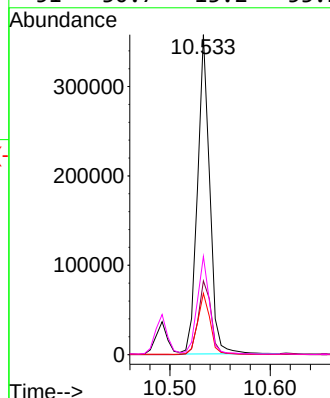
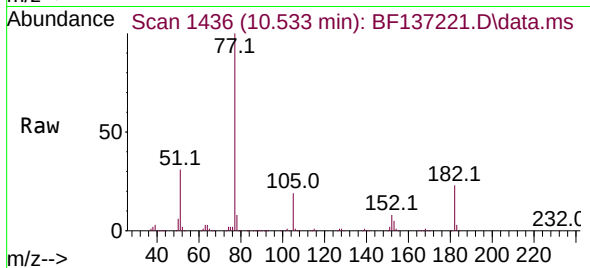
Ion Ratio Lower Upper

77 100

182 23.0 1.1 41.1

105 19.2 0.0 38.9

51 30.7 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: BF137221.D

Acq: 31 Jan 2024 20:29

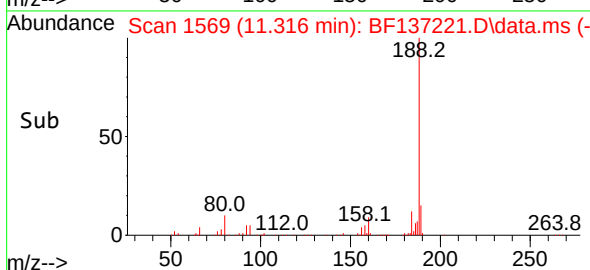
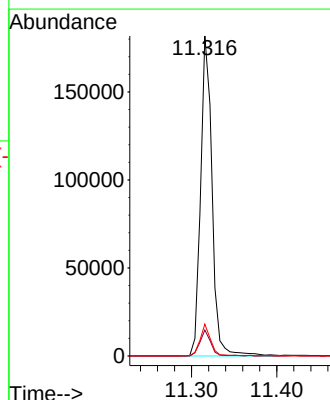
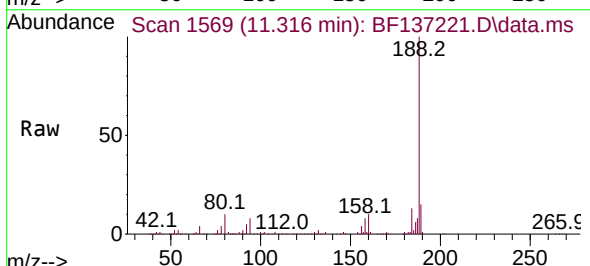
Tgt Ion: 188 Resp: 169158

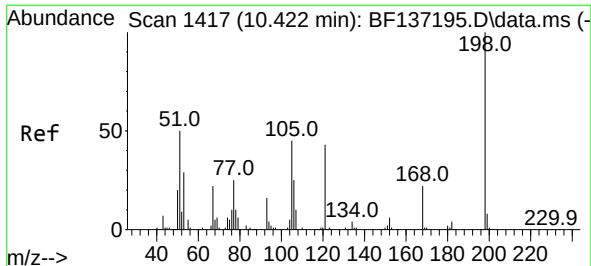
Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.4

80 9.9 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 26.621 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

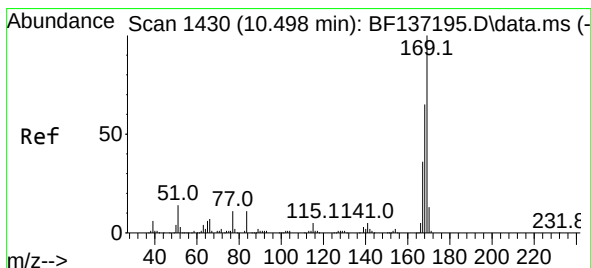
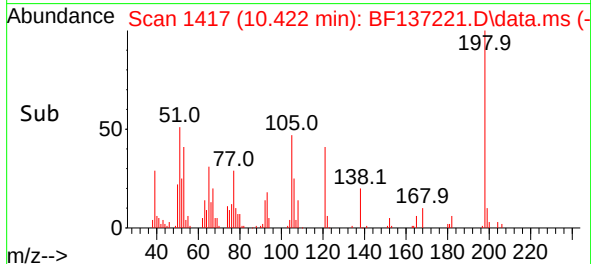
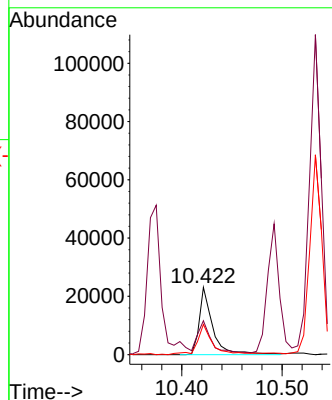
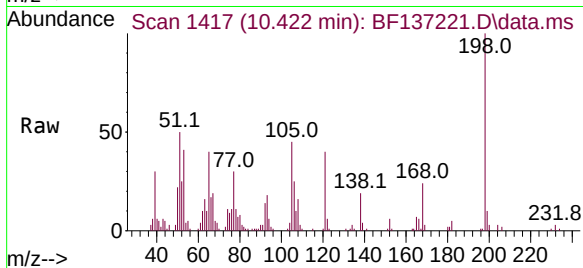
Tgt Ion:198 Resp: 21398

Ion Ratio Lower Upper

198 100

51 50.4 40.9 80.9

105 44.8 26.5 66.5



#66

n-Nitrosodiphenylamine

Concen: 48.969 ng

RT: 10.492 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

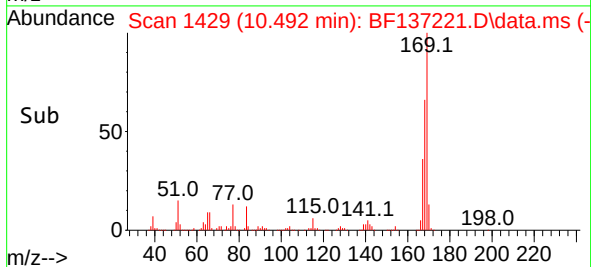
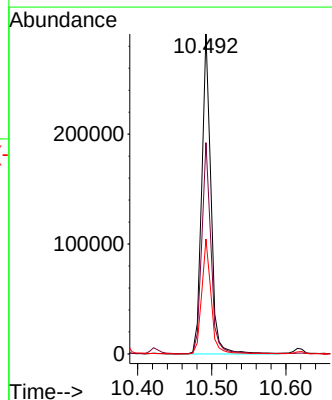
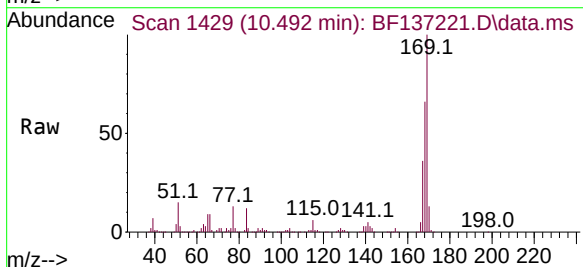
Tgt Ion:169 Resp: 251867

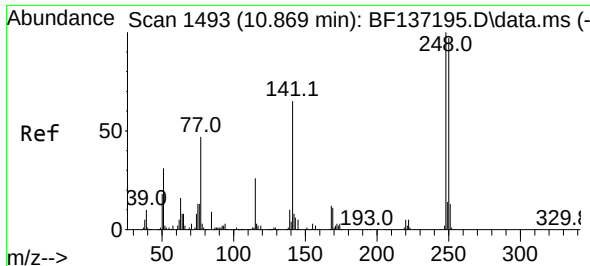
Ion Ratio Lower Upper

169 100

168 66.1 51.9 77.9

167 35.9 29.0 43.6

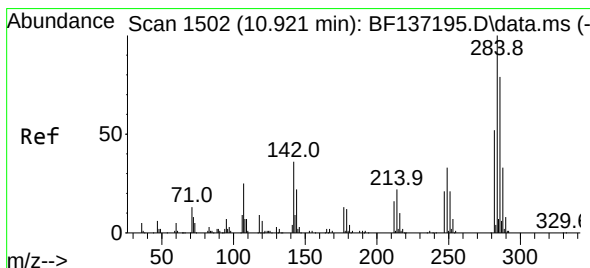
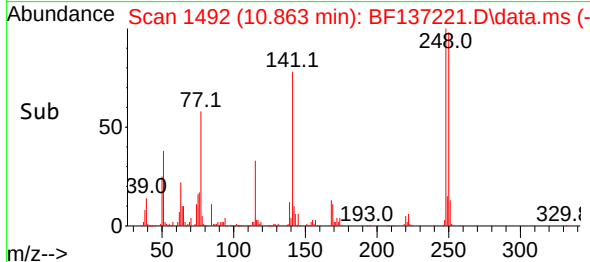
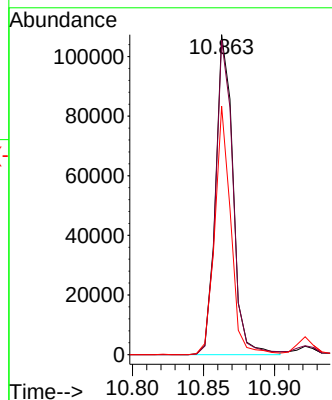
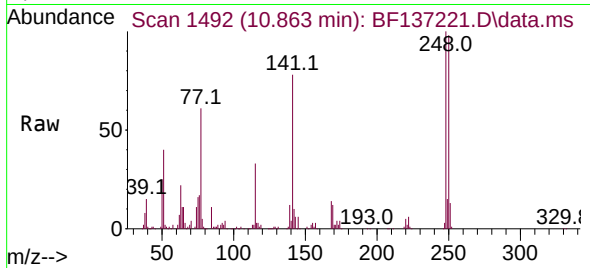




#67
4-Bromophenyl-phenylether
Concen: 49.367 ng
RT: 10.863 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

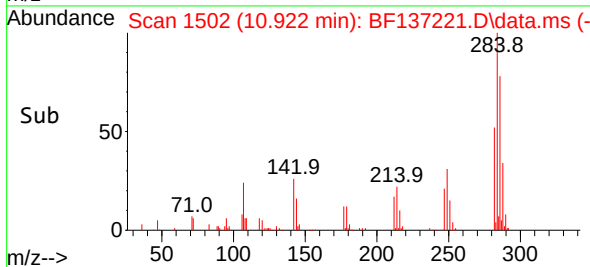
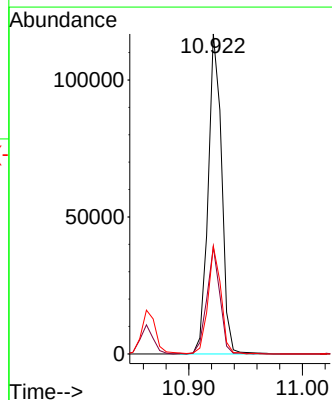
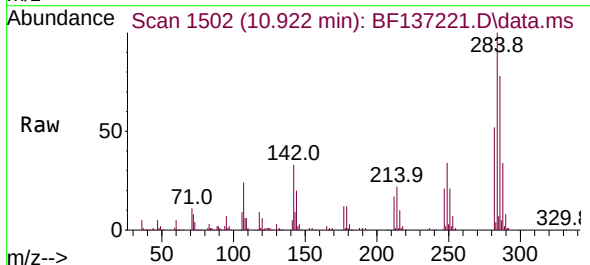
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

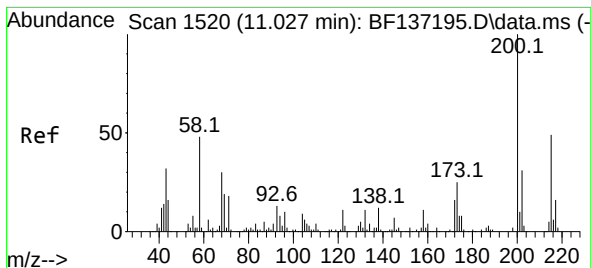
Tgt Ion:248 Resp: 91823
Ion Ratio Lower Upper
248 100
250 98.3 77.7 116.5
141 77.6 51.6 77.4#



#68
Hexachlorobenzene
Concen: 46.461 ng
RT: 10.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:284 Resp: 96527
Ion Ratio Lower Upper
284 100
142 33.4 28.7 43.1
249 33.7 27.0 40.4





#69

Atrazine

Concen: 50.521 ng

RT: 11.022 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

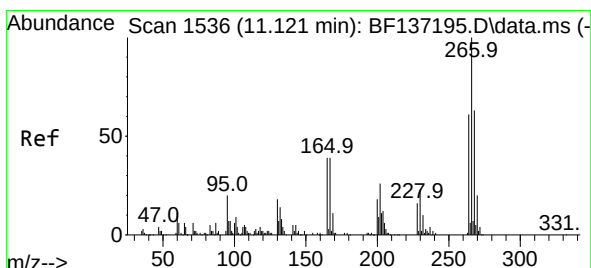
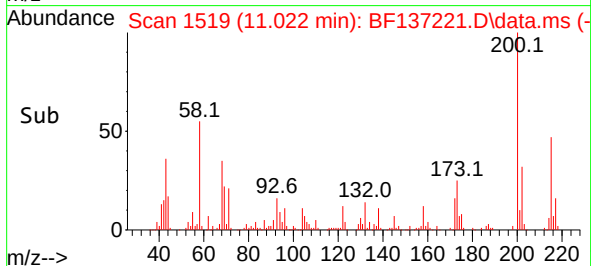
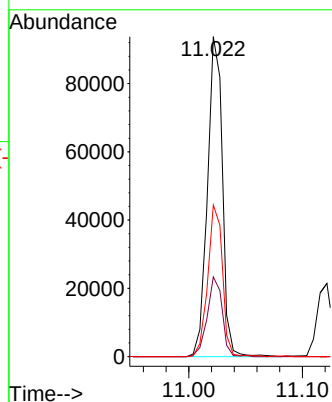
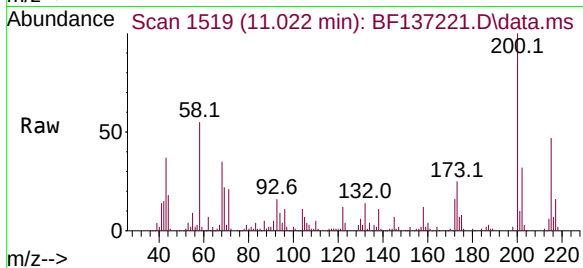
Tgt Ion:200 Resp: 85781

Ion Ratio Lower Upper

200 100

173 24.9 5.3 45.3

215 47.4 29.4 69.4



#70

Pentachlorophenol

Concen: 91.848 ng

RT: 11.122 min Scan# 1536

Delta R.T. 0.001 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

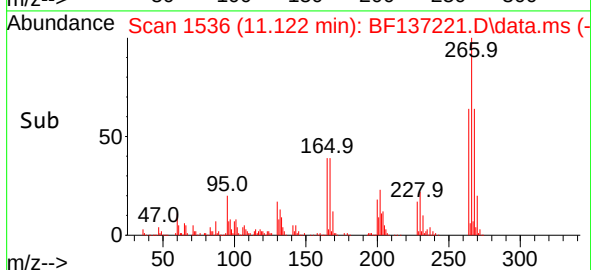
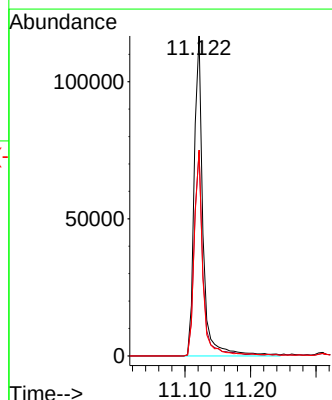
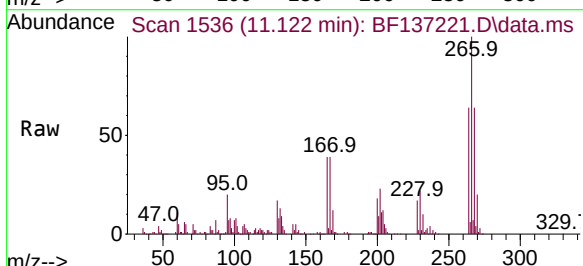
Tgt Ion:266 Resp: 109389

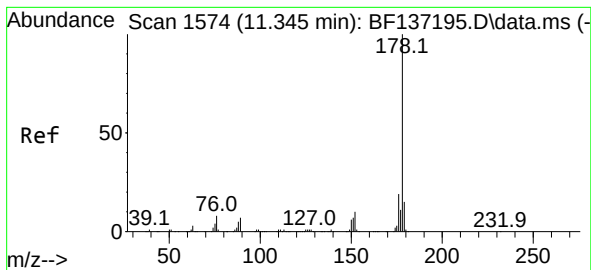
Ion Ratio Lower Upper

266 100

268 63.7 50.6 76.0

264 64.3 48.8 73.2





#71

Phenanthrene

Concen: 47.459 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

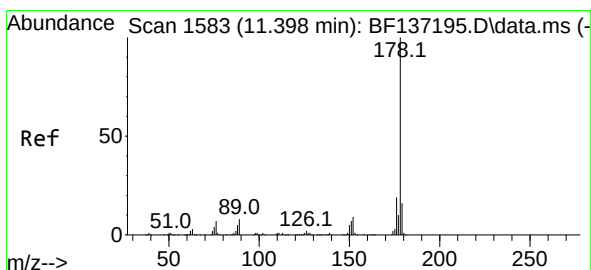
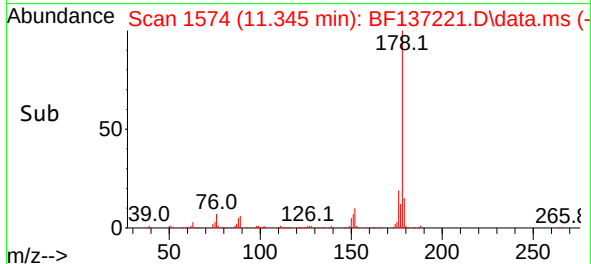
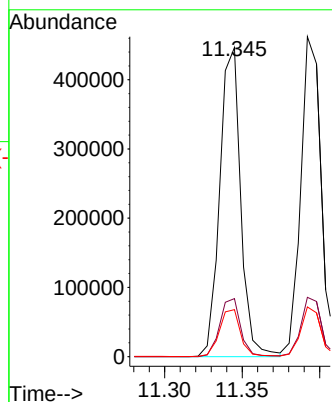
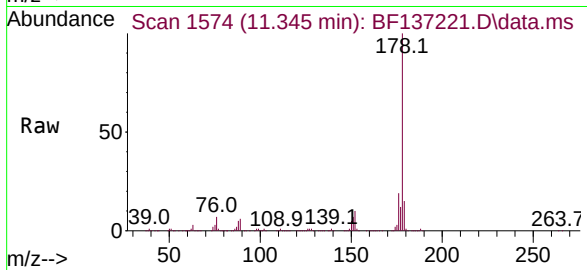
Tgt Ion:178 Resp: 420281

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.2 12.1 18.1



#72

Anthracene

Concen: 47.567 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

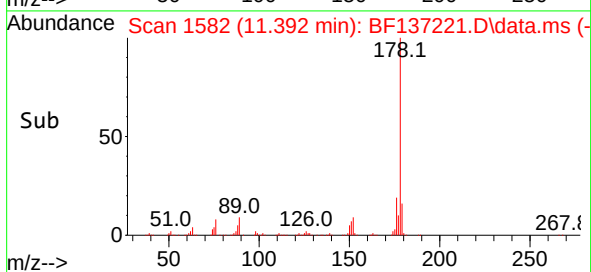
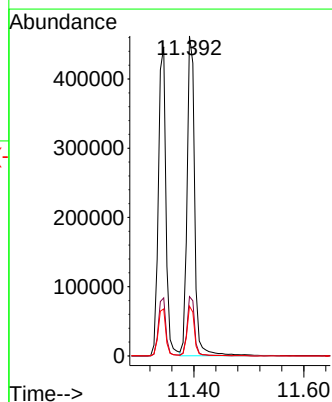
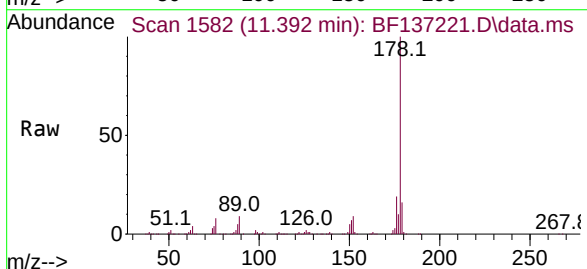
Tgt Ion:178 Resp: 439052

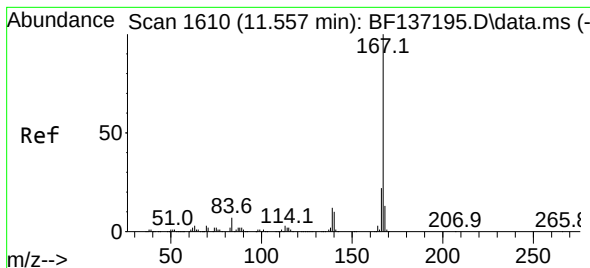
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.5 12.7 19.1





#73

Carbazole

Concen: 49.379 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

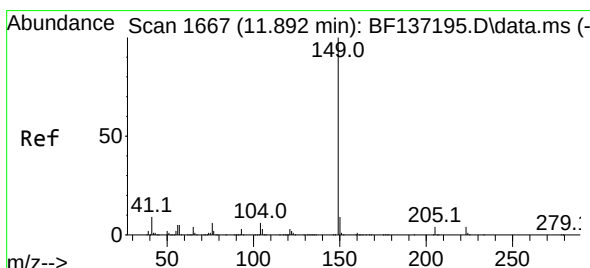
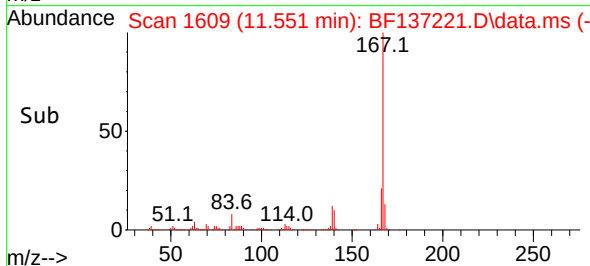
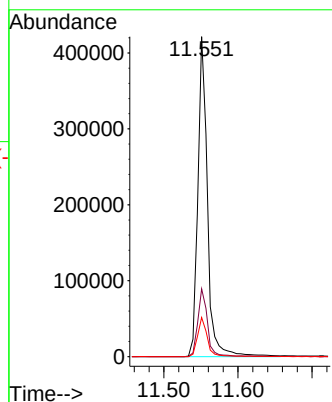
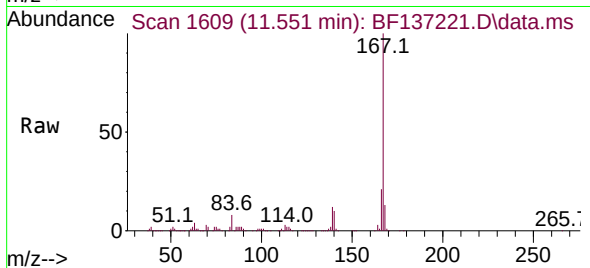
Tgt Ion:167 Resp: 380908

Ion Ratio Lower Upper

167 100

166 21.2 17.6 26.4

139 12.2 9.7 14.5



#74

Di-n-butylphthalate

Concen: 54.827 ng

RT: 11.892 min Scan# 1667

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

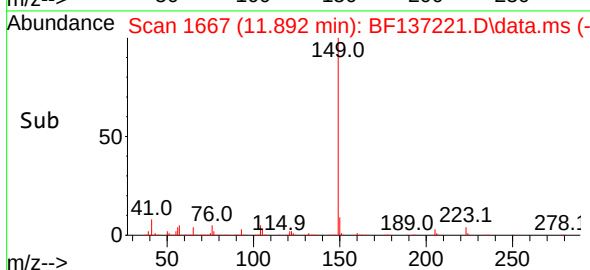
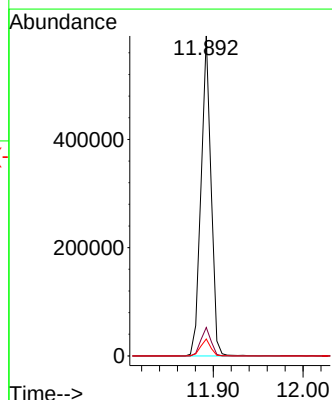
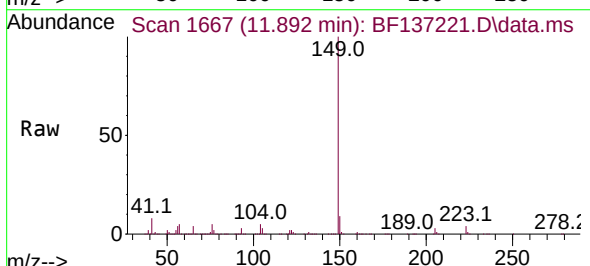
Tgt Ion:149 Resp: 457180

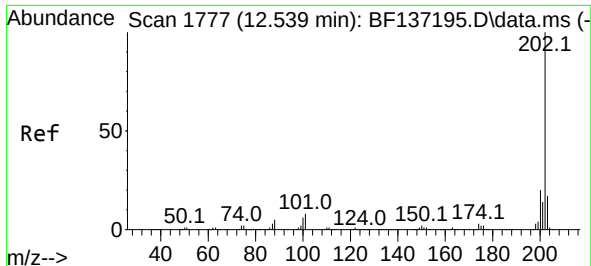
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

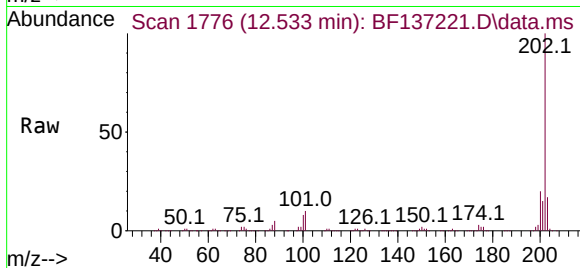
104 5.3 4.5 6.7



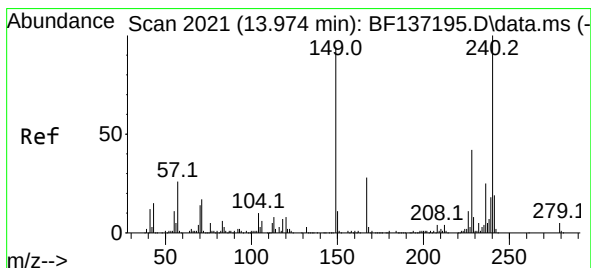
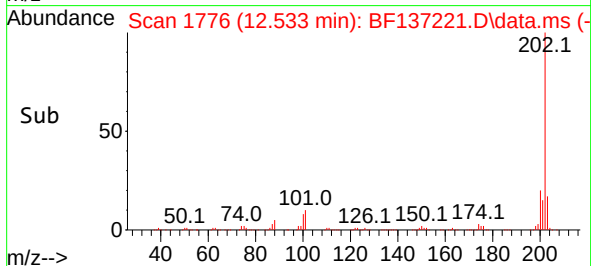
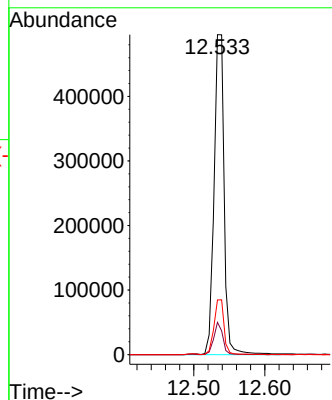


#75
Fluoranthene
Concen: 53.087 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

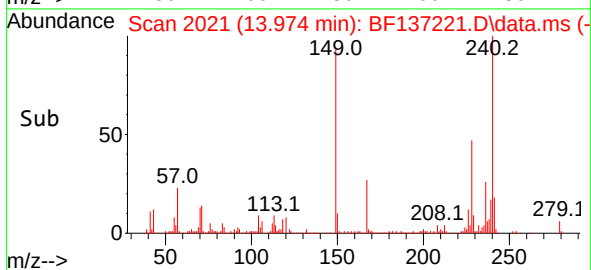
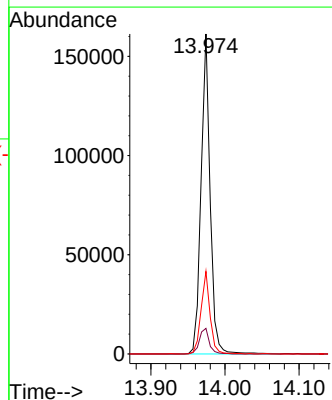
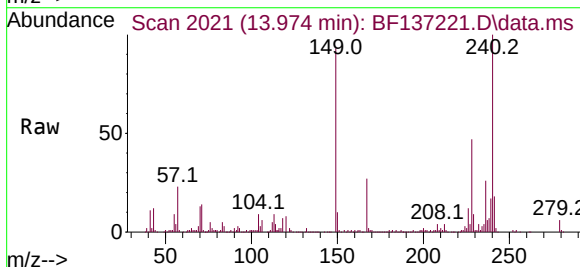


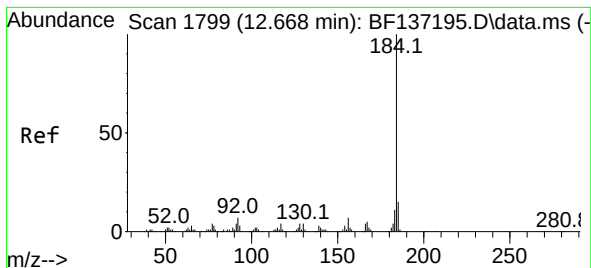
Tgt Ion:202 Resp: 491933
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.4
203 17.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:240 Resp: 136816
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 25.8 20.3 30.5





#77

Benzidine

Concen: 29.333 ng

RT: 12.668 min Scan# 1799

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

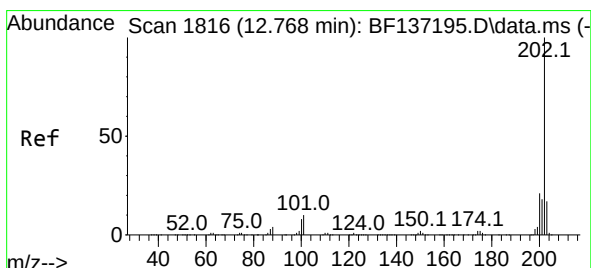
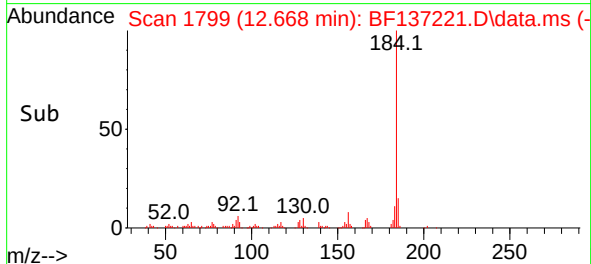
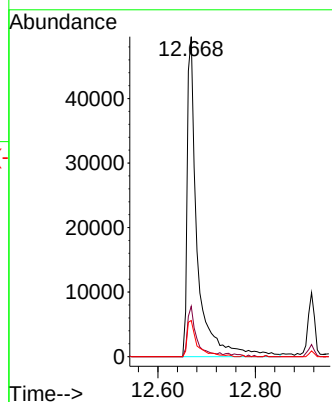
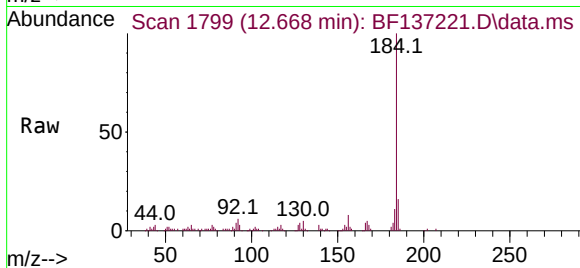
Tgt Ion:184 Resp: 71862

Ion Ratio Lower Upper

184 100

185 15.7 11.9 17.9

183 11.3 8.8 13.2



#78

Pyrene

Concen: 38.354 ng

RT: 12.768 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

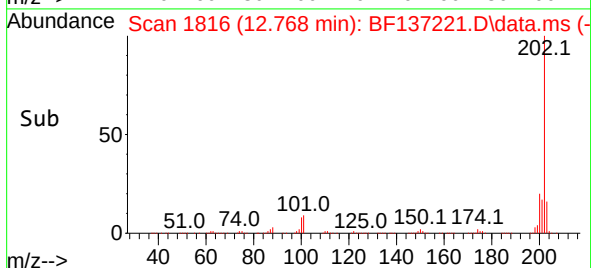
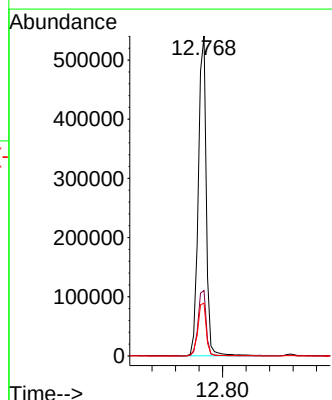
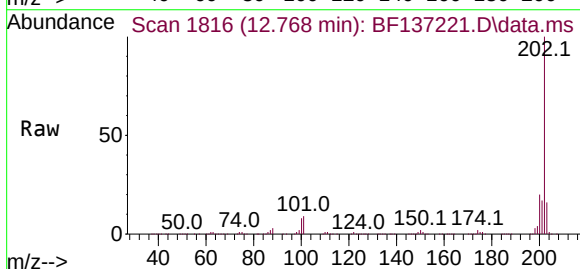
Tgt Ion:202 Resp: 504278

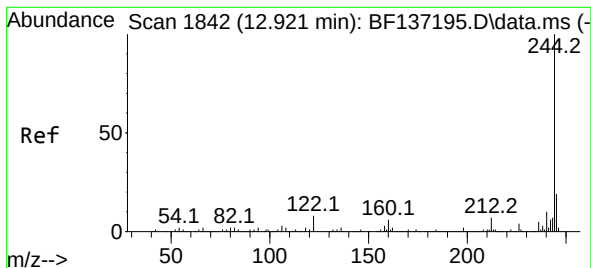
Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

203 16.5 13.8 20.6





#79

Terphenyl-d14

Concen: 76.407 ng

RT: 12.916 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

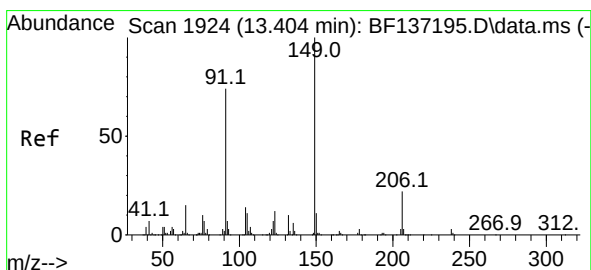
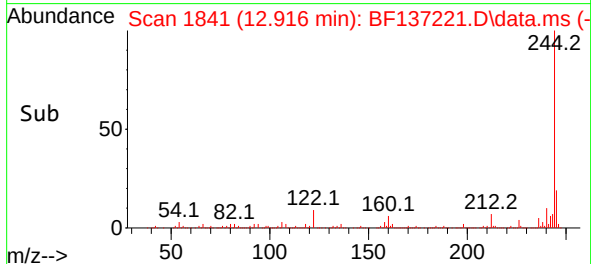
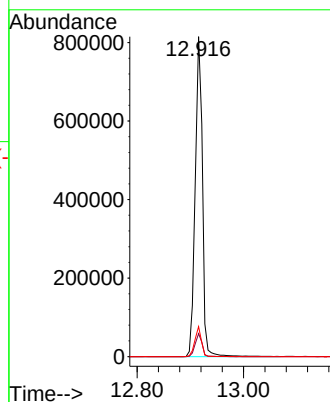
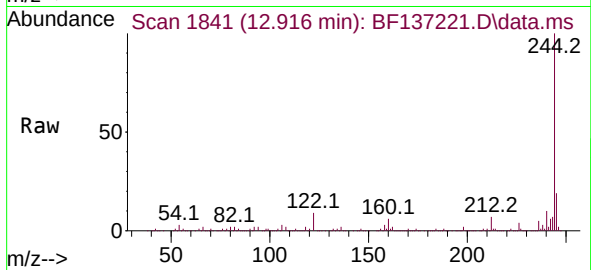
Tgt Ion:244 Resp: 768968

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 9.4 6.2 9.4#



#80

Butylbenzylphthalate

Concen: 58.942 ng

RT: 13.398 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

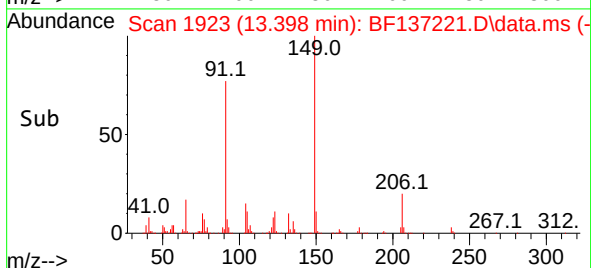
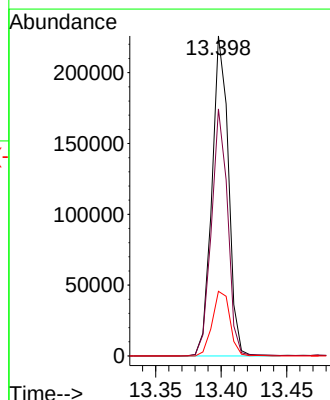
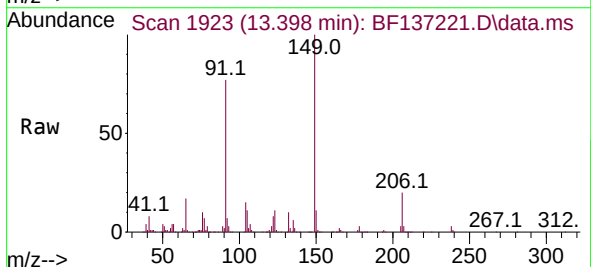
Tgt Ion:149 Resp: 198248

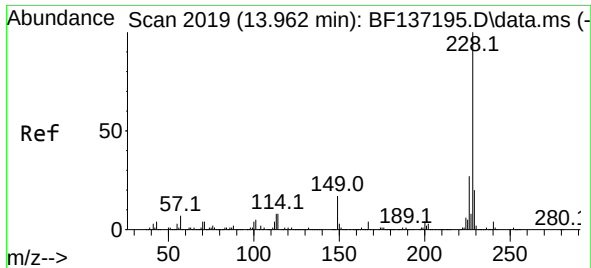
Ion Ratio Lower Upper

149 100

91 77.2 58.8 88.2

206 20.2 17.7 26.5

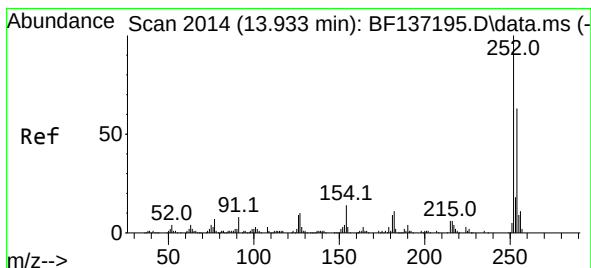
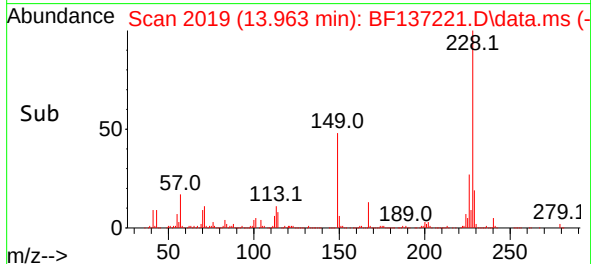
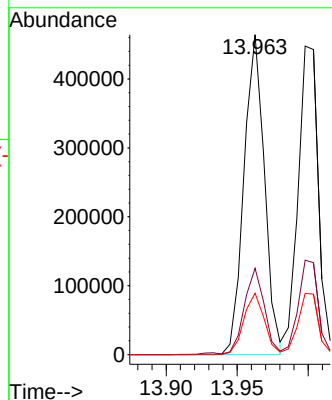
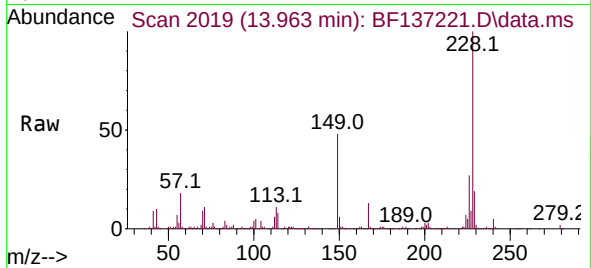




#81
Benzo(a)anthracene
Concen: 47.982 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

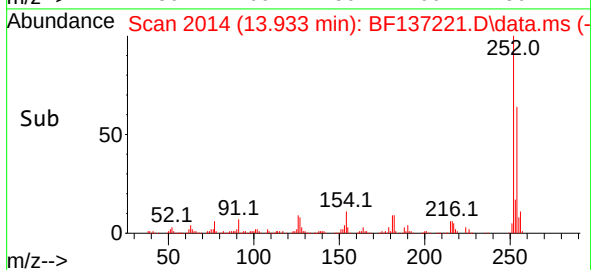
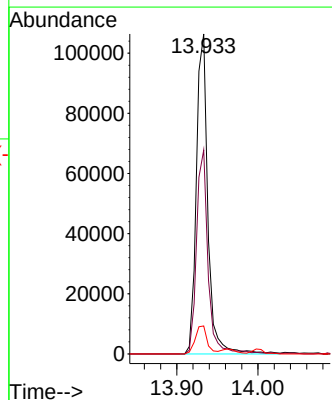
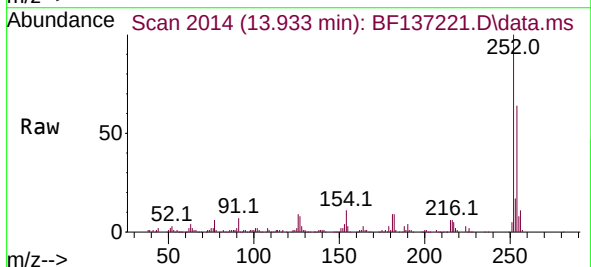
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

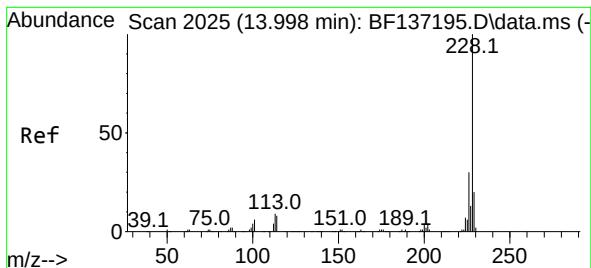
Tgt Ion:228 Resp: 464923
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 19.2 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 39.625 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:252 Resp: 104606
Ion Ratio Lower Upper
252 100
254 63.7 50.2 75.2
126 8.7 7.0 10.6





#83

Chrysene

Concen: 47.635 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

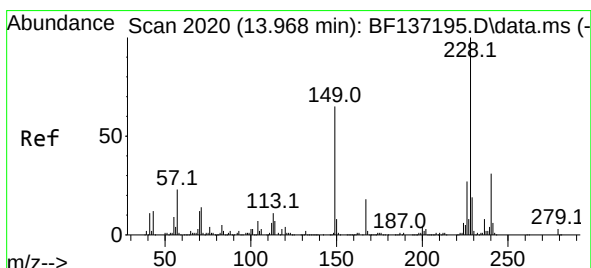
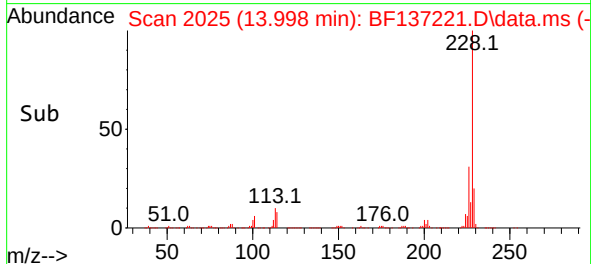
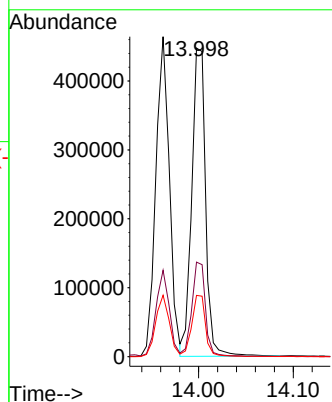
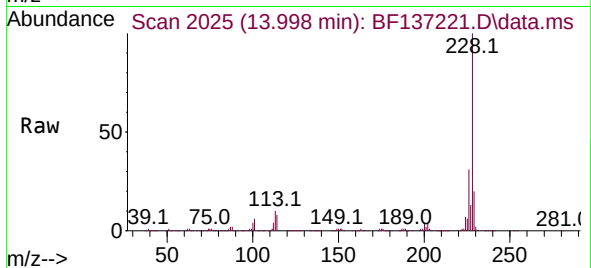
Tgt Ion:228 Resp: 453767

Ion Ratio Lower Upper

228 100

226 30.6 23.7 35.5

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 71.895 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

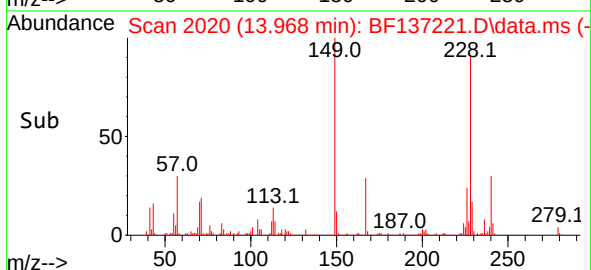
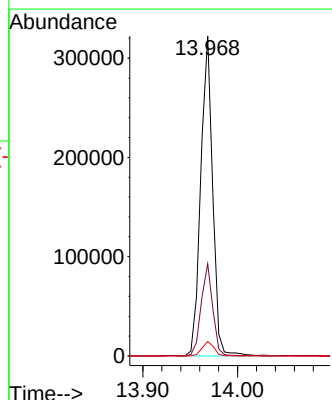
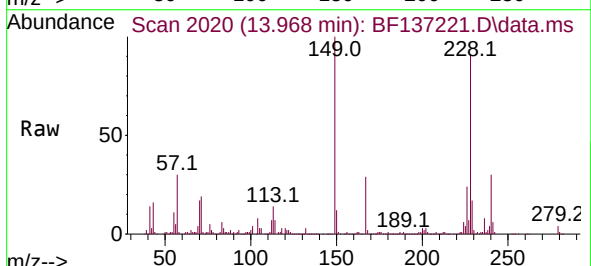
Tgt Ion:149 Resp: 281331

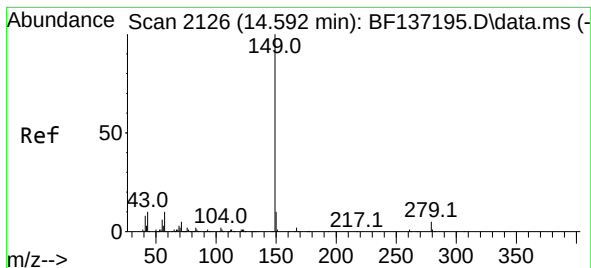
Ion Ratio Lower Upper

149 100

167 28.8 21.7 32.5

279 4.5 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 77.901 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

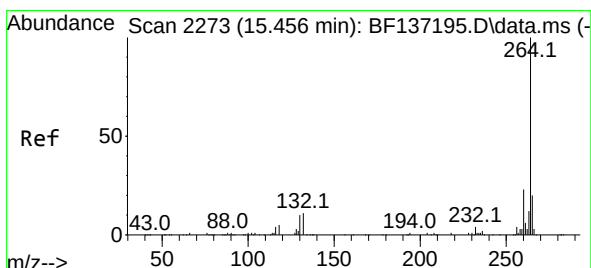
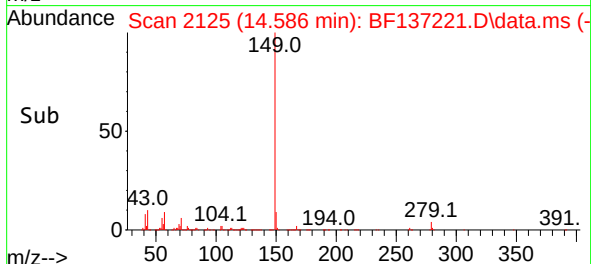
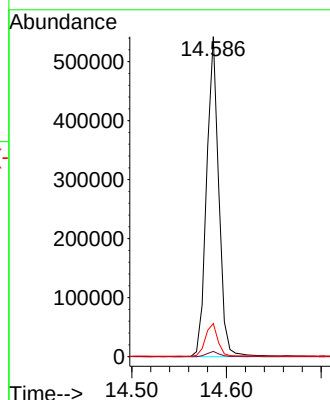
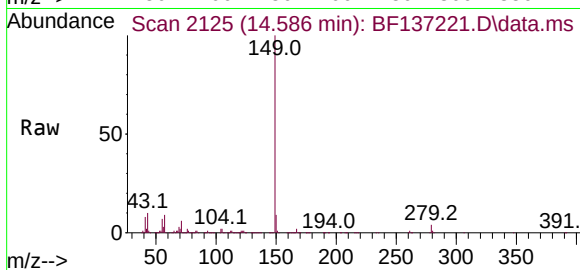
Tgt Ion:149 Resp: 484692

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 10.5 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: BF137221.D

Acq: 31 Jan 2024 20:29

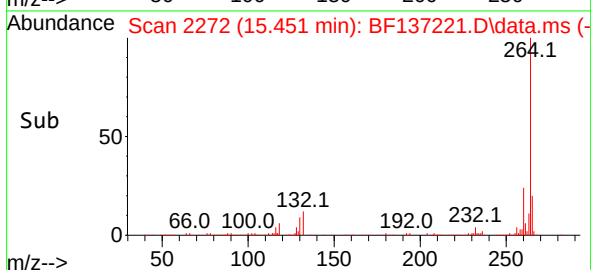
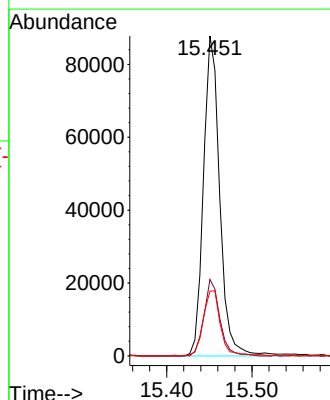
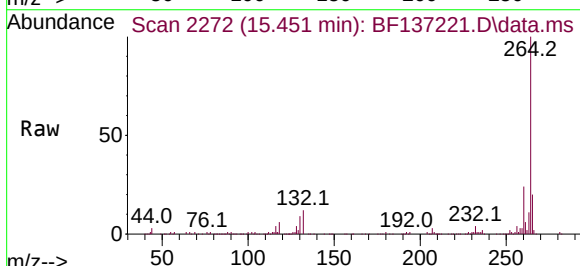
Tgt Ion:264 Resp: 116200

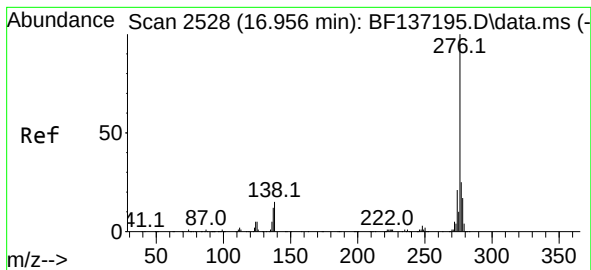
Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 20.2 16.2 24.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.362 ng

RT: 16.951 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

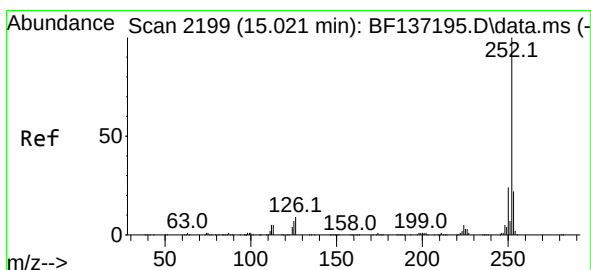
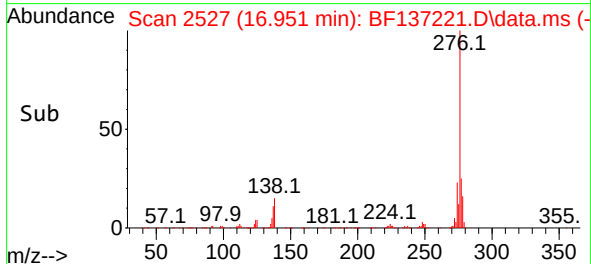
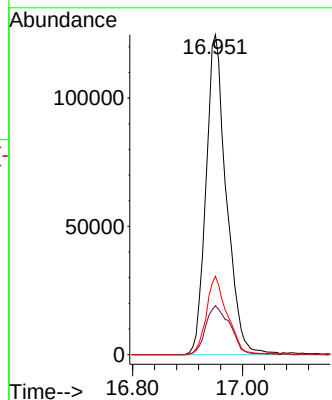
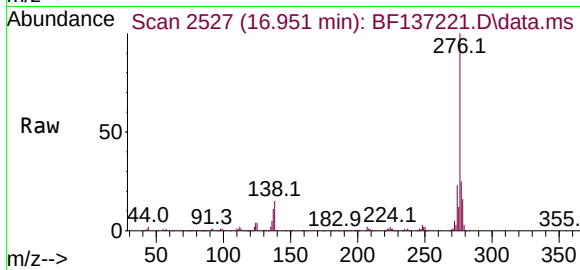
Tgt Ion:276 Resp: 321341

Ion Ratio Lower Upper

276 100

138 18.1 14.6 21.8

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 50.977 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

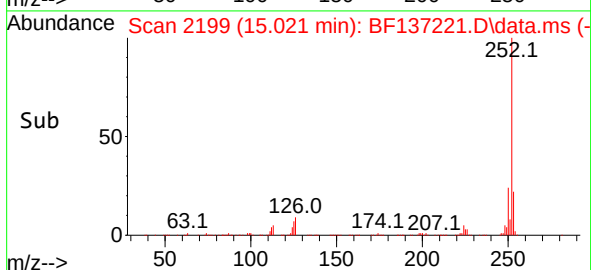
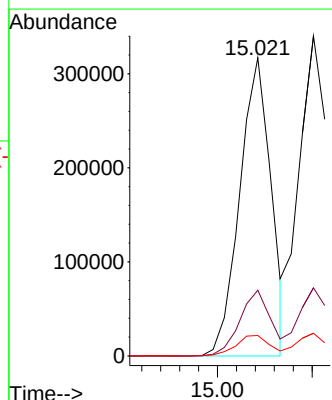
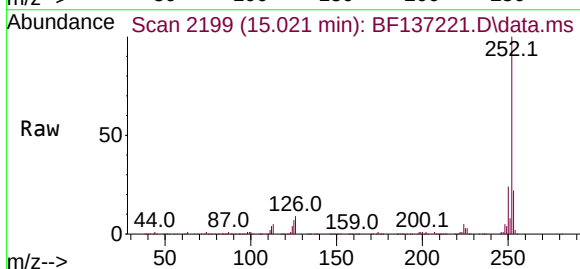
Tgt Ion:252 Resp: 364291

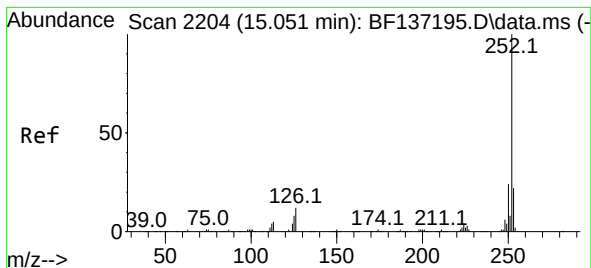
Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 6.8 5.4 8.2





#89

Benzo(k)fluoranthene

Concen: 49.598 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126MS

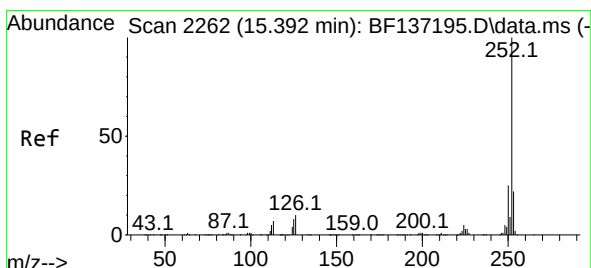
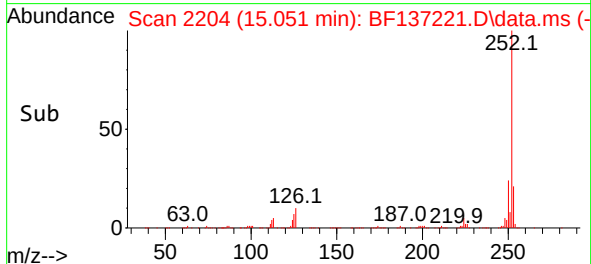
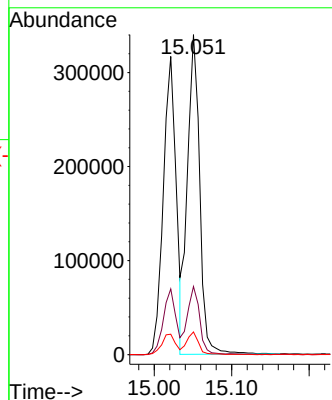
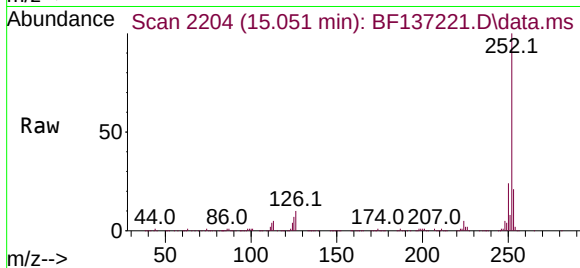
Tgt Ion:252 Resp: 374958

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 7.1 5.9 8.9



#90

Benzo(a)pyrene

Concen: 47.260 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.000 min

Lab File: BF137221.D

Acq: 31 Jan 2024 20:29

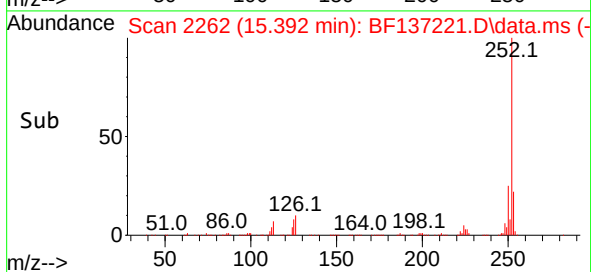
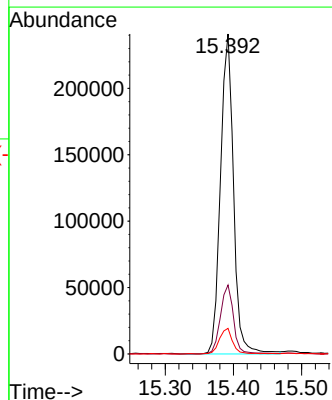
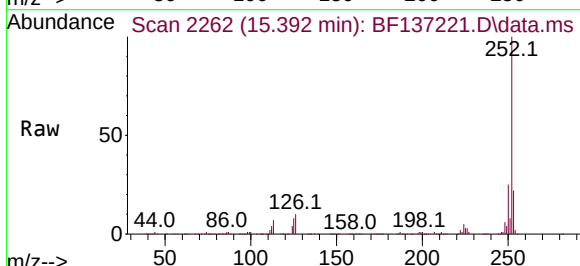
Tgt Ion:252 Resp: 317826

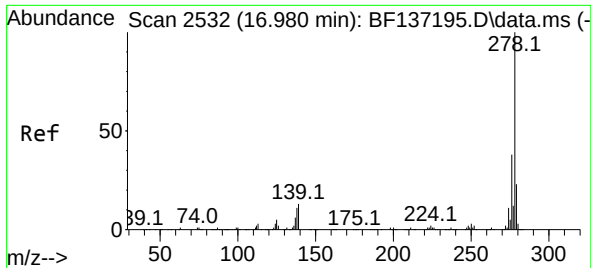
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

125 8.0 6.5 9.7

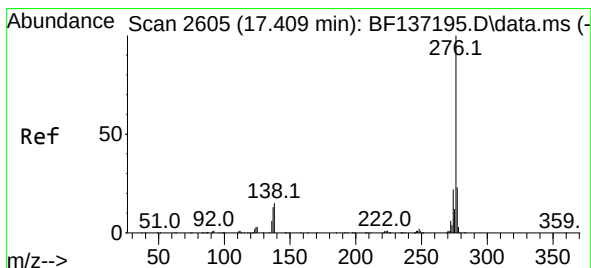
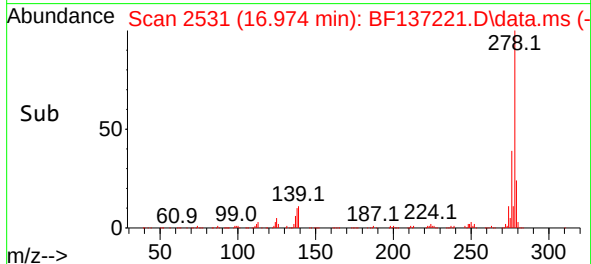
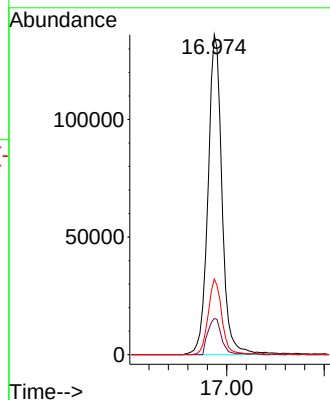
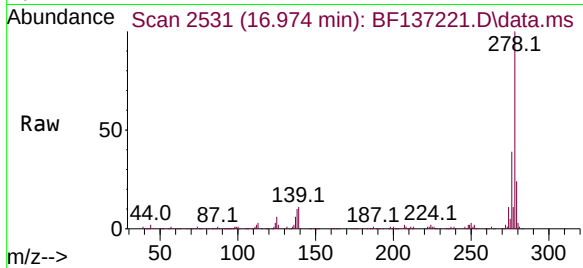




#91
Dibenzo(a,h)anthracene
Concen: 41.669 ng
RT: 16.974 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126MS

Tgt Ion:278 Resp: 272569
Ion Ratio Lower Upper
278 100
139 11.3 10.0 15.0
279 23.6 18.5 27.7



#92
Benzo(g,h,i)perylene
Concen: 37.736 ng
RT: 17.403 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF137221.D
Acq: 31 Jan 2024 20:29

Tgt Ion:276 Resp: 242274
Ion Ratio Lower Upper
276 100
277 23.5 18.4 27.6
138 14.3 11.8 17.8

