

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141034.D
 Acq On : 30 Dec 2024 16:47
 Operator : RC/JU
 Sample : P5362-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MS

Quant Time: Dec 30 17:08:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	251281	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1011696	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	535091	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	915514	20.000	ng	0.00
76) Chrysene-d12	13.986	240	535605	20.000	ng	0.00
86) Perylene-d12	15.445	264	510431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	2493224	149.563	ng	0.02
7) Phenol-d6	6.457	99	3147657	146.576	ng	0.00
23) Nitrobenzene-d5	7.392	82	2038064	128.884	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	977329	187.966	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3434049	102.249	ng	0.00
79) Terphenyl-d14	12.933	244	3634857	112.723	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	351932	46.632	ng	# 84
3) Pyridine	3.481	79	571499	30.986	ng	100
4) n-Nitrosodimethylamine	3.416	42	459376	49.157	ng	99
6) Aniline	6.492	93	384951	20.099	ng	98
8) 2-Chlorophenol	6.610	128	960666	54.660	ng	99
9) Benzaldehyde	6.381	77	16613	Below Cal		96
10) Phenol	6.469	94	1134183	51.077	ng	97
11) bis(2-Chloroethyl)ether	6.569	93	887617	49.506	ng	98
12) 1,3-Dichlorobenzene	6.769	146	944848	48.712	ng	100
13) 1,4-Dichlorobenzene	6.845	146	952228	48.699	ng	99
14) 1,2-Dichlorobenzene	6.998	146	917455	50.324	ng	99
15) Benzyl Alcohol	6.969	79	801003	51.906	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1394112	51.416	ng	98
17) 2-Methylphenol	7.075	107	778863	53.342	ng	99
18) Hexachloroethane	7.339	117	351227	50.565	ng	97
19) n-Nitroso-di-n-propyla...	7.245	70	674050	51.235	ng	99
20) 3+4-Methylphenols	7.233	107	951342	51.487	ng	# 83
22) Acetophenone	7.239	105	1231803	49.633	ng	98
24) Nitrobenzene	7.410	77	980680	55.501	ng	96
25) Isophorone	7.651	82	1800505	52.324	ng	100
26) 2-Nitrophenol	7.728	139	470297	63.076	ng	98
27) 2,4-Dimethylphenol	7.757	122	781312	62.128	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	1097464	50.338	ng	99
29) 2,4-Dichlorophenol	7.963	162	781594	54.799	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	783025	48.504	ng	99
31) Naphthalene	8.133	128	2619046	49.128	ng	100
32) Benzoic acid	7.875	122	591856	55.716	ng	97
33) 4-Chloroaniline	8.175	127	95361	4.945	ng	99
34) Hexachlorobutadiene	8.251	225	469121	49.293	ng	99
35) Caprolactam	8.539	113	130188	26.850	ng	98
36) 4-Chloro-3-methylphenol	8.651	107	834277	52.670	ng	100
37) 2-Methylnaphthalene	8.822	142	1729656	50.716	ng	100
38) 1-Methylnaphthalene	8.922	142	1633480	48.735	ng	99
40) 1,2,4,5-Tetrachloroben...	8.986	216	763326	51.853	ng	99
41) Hexachlorocyclopentadiene	8.975	237	799611	163.909	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	570522	58.231	ng	99

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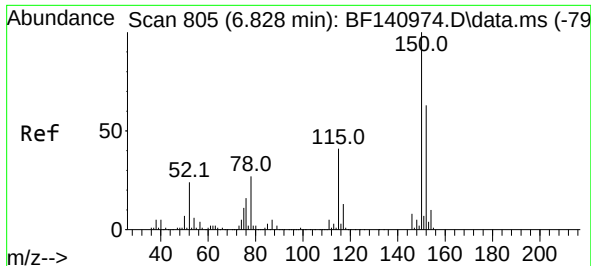
Quant Time: Dec 30 17:08:48 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	548506	54.715	ng	99
46) 1,1'-Biphenyl	9.286	154	2116058	51.647	ng	100
47) 2-Chloronaphthalene	9.310	162	1603805	50.472	ng	99
48) 2-Nitroaniline	9.404	65	508015	59.843	ng	94
49) Acenaphthylene	9.722	152	2500345	54.660	ng	99
50) Dimethylphthalate	9.586	163	1909695	54.258	ng	100
51) 2,6-Dinitrotoluene	9.645	165	428203	58.769	ng	95
52) Acenaphthene	9.898	154	1827847	59.106	ng	99
53) 3-Nitroaniline	9.810	138	113430	16.808	ng	# 93
54) 2,4-Dinitrophenol	9.916	184	448869	124.733	ng	# 1
55) Dibenzofuran	10.069	168	2299139	52.902	ng	99
56) 4-Nitrophenol	9.969	139	750997	124.737	ng	98
57) 2,4-Dinitrotoluene	10.051	165	573777	63.701	ng	96
58) Fluorene	10.410	166	1732833	51.418	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	495788	59.715	ng	98
60) Diethylphthalate	10.286	149	1849974	53.241	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	838233	51.691	ng	97
62) 4-Nitroaniline	10.427	138	383554	49.102	ng	93
63) Azobenzene	10.563	77	1874348	51.392	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	305171	76.673	ng	91
66) n-Nitrosodiphenylamine	10.522	169	1518384	52.668	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	558191	56.401	ng	98
68) Hexachlorobenzene	10.957	284	609841	55.883	ng	99
69) Atrazine	11.045	200	366734	45.534	ng	99
70) Pentachlorophenol	11.151	266	787962	115.972	ng	99
71) Phenanthrene	11.374	178	2634158	54.668	ng	99
72) Anthracene	11.421	178	2658388	56.304	ng	100
73) Carbazole	11.574	167	2315230	51.009	ng	100
74) Di-n-butylphthalate	11.910	149	2833087	54.878	ng	99
75) Fluoranthene	12.557	202	2667228	51.039	ng	100
77) Benzidine	12.680	184	47957	4.237	ng	96
78) Pyrene	12.786	202	2707978	57.810	ng	100
80) Butylbenzylphthalate	13.410	149	1090992	63.783	ng	100
81) Benzo(a)anthracene	13.980	228	1936059	51.865	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	145511	12.974	ng	99
83) Chrysene	14.015	228	1755860	52.179	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1251314	56.398	ng	99
85) Di-n-octyl phthalate	14.592	149	1788037	55.680	ng	99
87) Indeno(1,2,3-cd)pyrene	16.903	276	2170410	67.492	ng	98
88) Benzo(b)fluoranthene	15.027	252	1670093	46.913	ng	99
89) Benzo(k)fluoranthene	15.057	252	1596160	57.207	ng	99
90) Benzo(a)pyrene	15.386	252	1580713	57.207	ng	98
91) Dibenzo(a,h)anthracene	16.927	278	1748071	67.059	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1632591	60.383	ng	99

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

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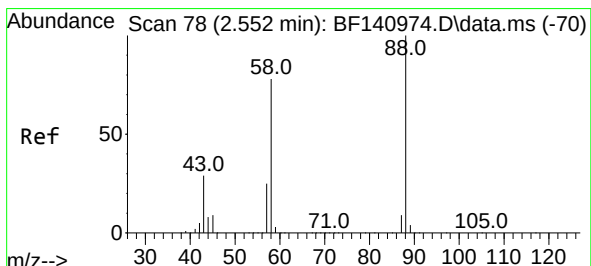
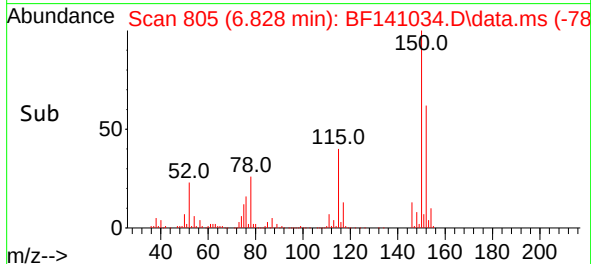
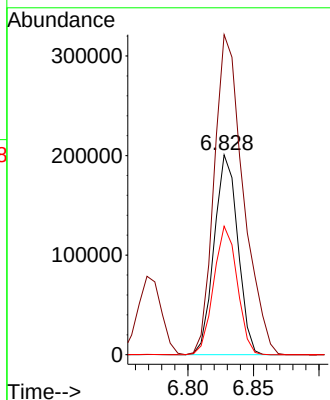
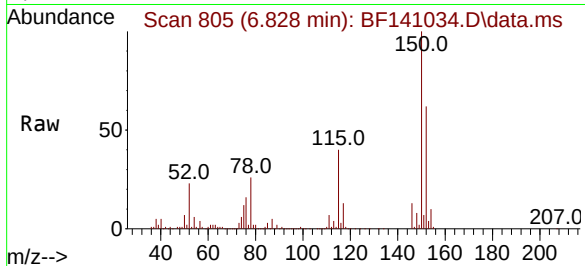




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141034.D
 Acq: 30 Dec 2024 16:47

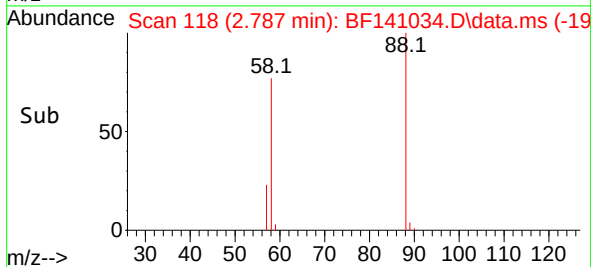
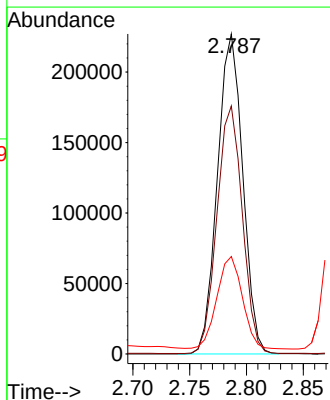
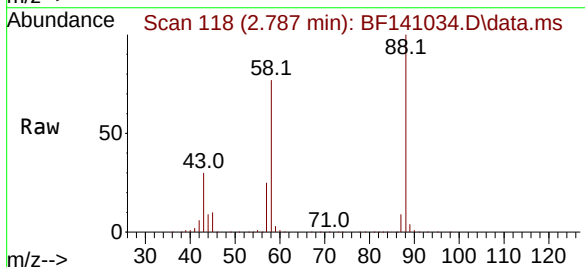
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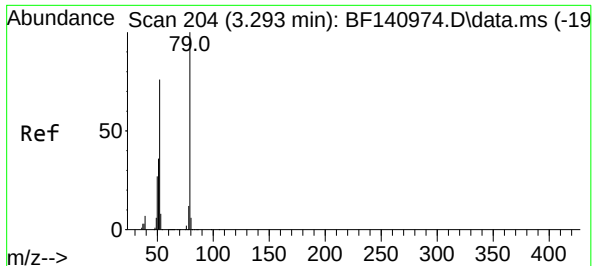
Tgt Ion:152 Resp: 251281
 Ion Ratio Lower Upper
 152 100
 150 160.1 127.0 190.6
 115 64.3 51.7 77.5



#2
 1,4-Dioxane
 Concen: 46.632 ng
 RT: 2.787 min Scan# 118
 Delta R.T. 0.235 min
 Lab File: BF141034.D
 Acq: 30 Dec 2024 16:47

Tgt Ion: 88 Resp: 351932
 Ion Ratio Lower Upper
 88 100
 58 77.6 63.0 94.4
 43 0.0 23.4 35.2

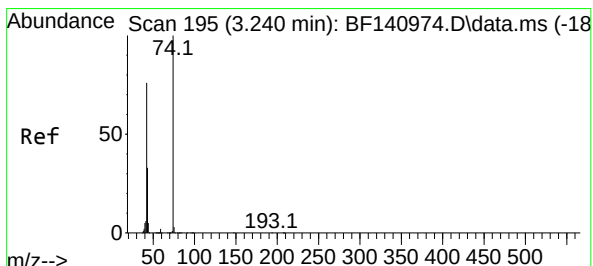
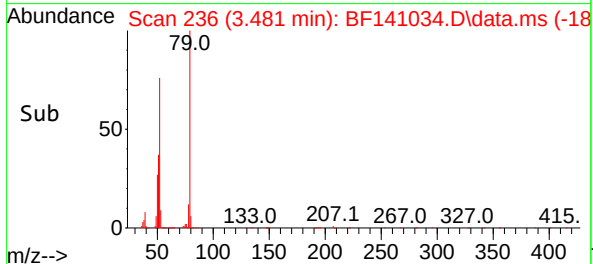
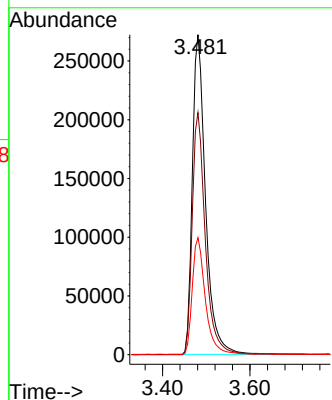
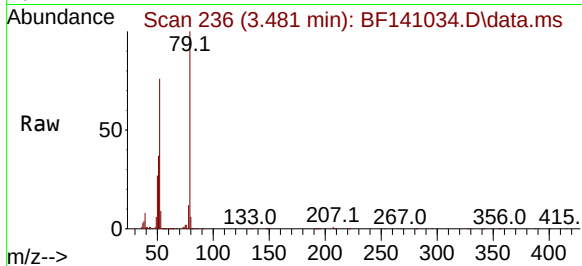




#3
Pyridine
Concen: 30.986 ng
RT: 3.481 min Scan# 21
Delta R.T. 0.188 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

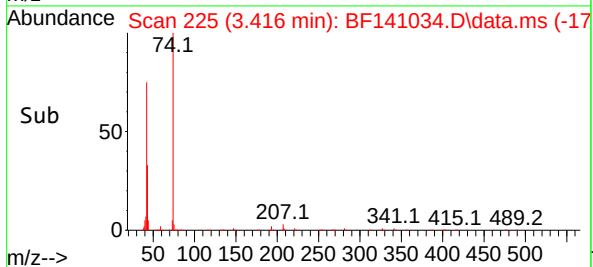
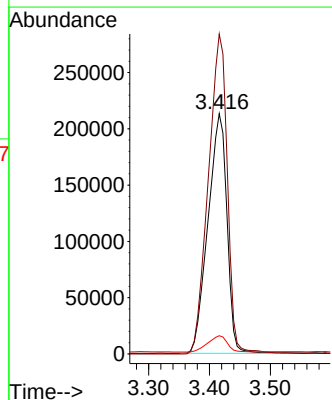
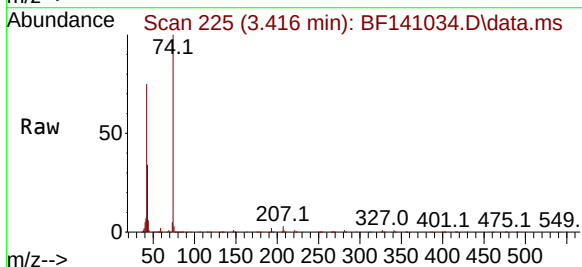
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

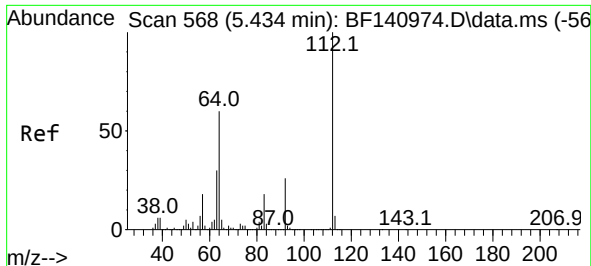
Tgt Ion: 79 Resp: 571499
Ion Ratio Lower Upper
79 100
52 75.6 60.4 90.6
51 36.6 28.8 43.2



#4
n-Nitrosodimethylamine
Concen: 49.157 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.176 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion: 42 Resp: 459376
Ion Ratio Lower Upper
42 100
74 133.2 105.8 158.6
44 7.6 6.6 10.0

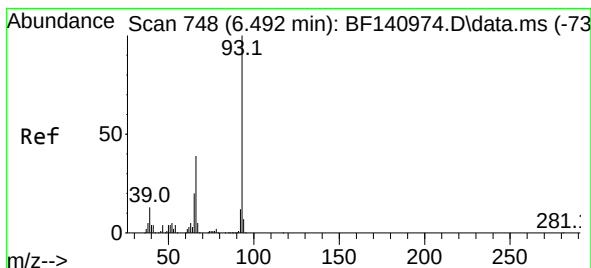
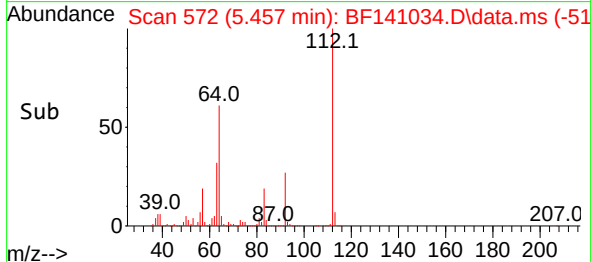
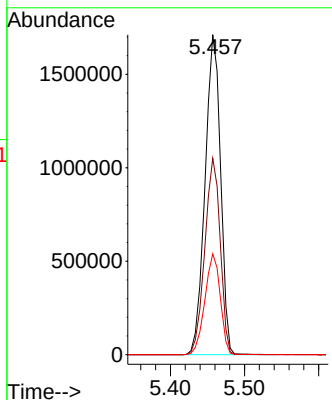
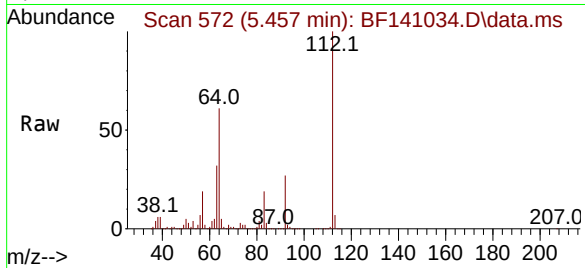




#5
2-Fluorophenol
Concen: 149.563 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

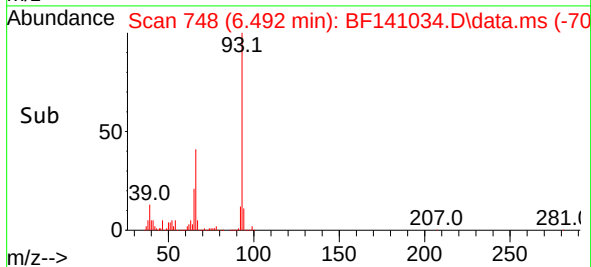
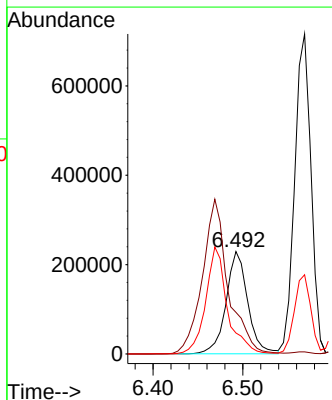
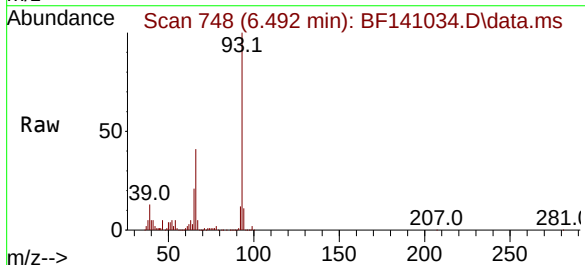
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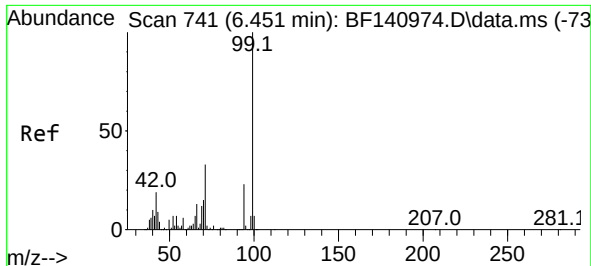
Tgt Ion:112 Resp: 2493224
Ion Ratio Lower Upper
112 100
64 61.4 47.7 71.5
63 31.5 24.2 36.2



#6
Aniline
Concen: 20.099 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion: 93 Resp: 384951
Ion Ratio Lower Upper
93 100
66 40.7 31.8 47.8
65 20.5 15.4 23.0





#7

Phenol-d6

Concen: 146.576 ng

RT: 6.457 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

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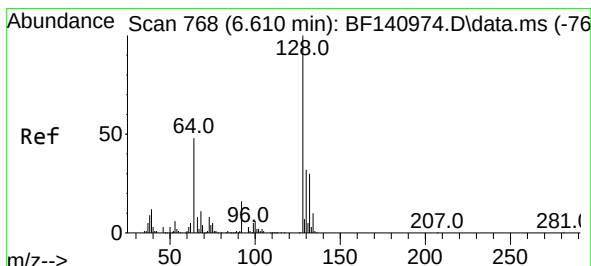
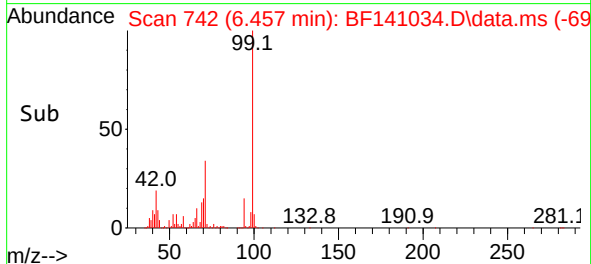
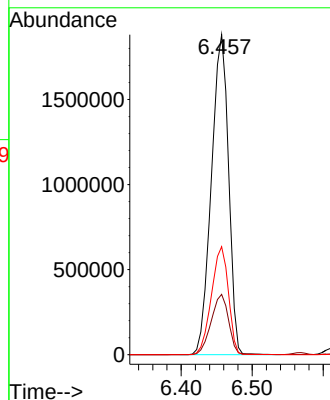
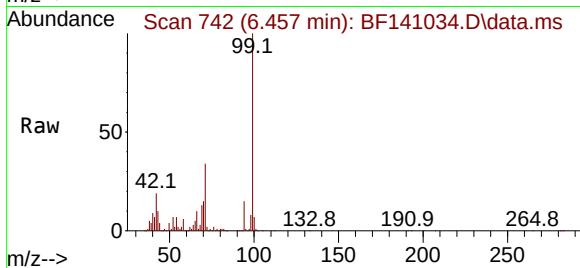
Tgt Ion: 99 Resp: 3147657

Ion Ratio Lower Upper

99 100

42 18.8 15.0 22.4

71 33.8 26.2 39.2



#8

2-Chlorophenol

Concen: 54.660 ng

RT: 6.610 min Scan# 768

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

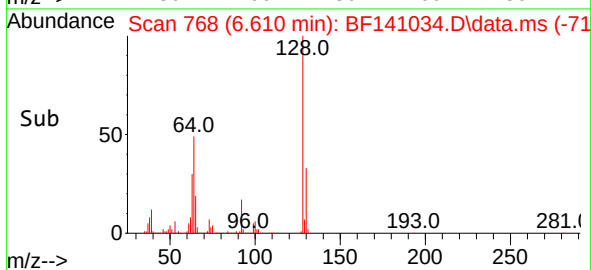
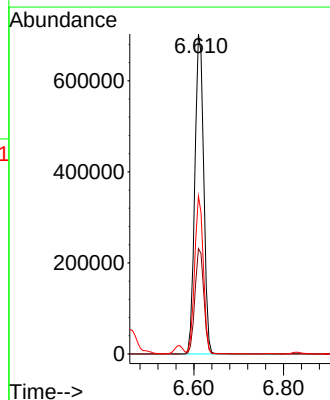
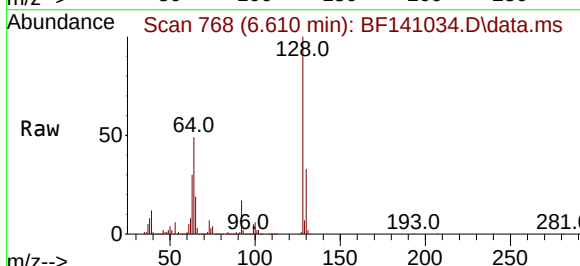
Tgt Ion:128 Resp: 960666

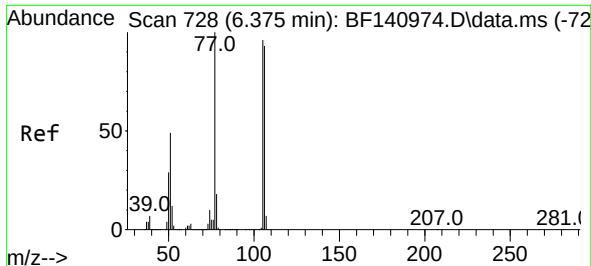
Ion Ratio Lower Upper

128 100

130 32.9 12.2 52.2

64 49.3 30.3 70.3





#9

Benzaldehyde

Concen: Below Cal

RT: 6.381 min Scan# 729

Delta R.T. 0.006 min

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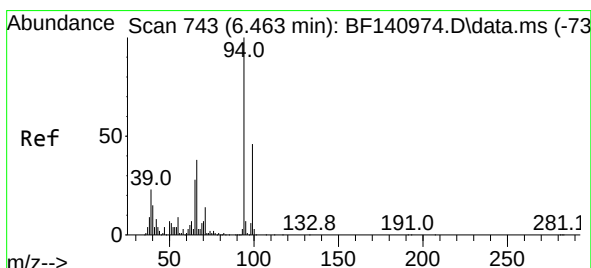
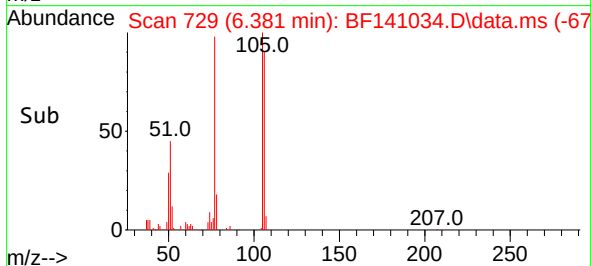
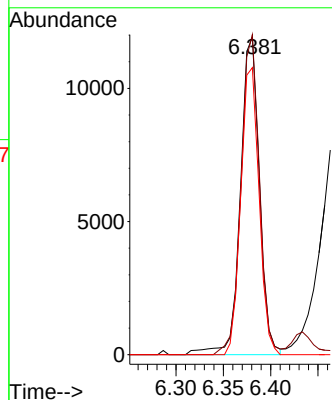
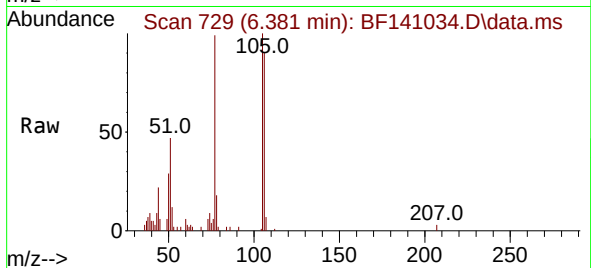
Tgt Ion: 77 Resp: 16613

Ion Ratio Lower Upper

77 100

105 100.8 76.2 116.2

106 90.4 73.4 113.4



#10

Phenol

Concen: 51.077 ng

RT: 6.469 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

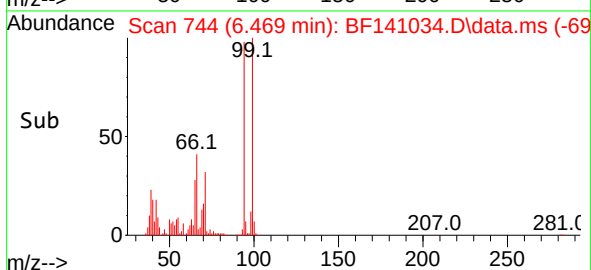
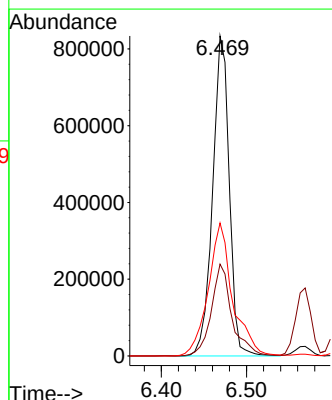
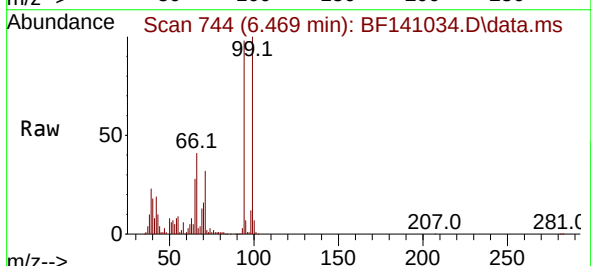
Tgt Ion: 94 Resp: 1134183

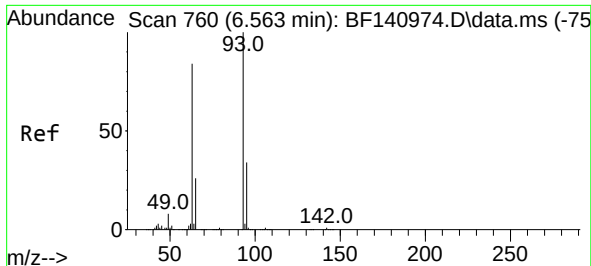
Ion Ratio Lower Upper

94 100

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66 41.5 18.7 58.7

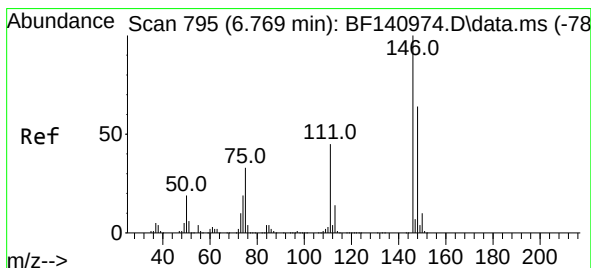
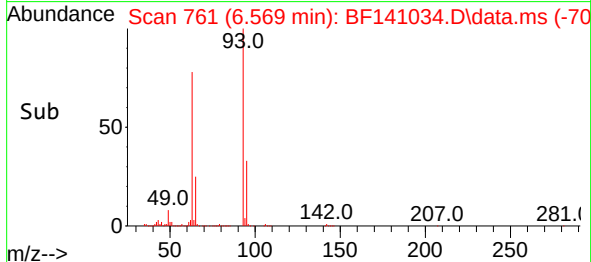
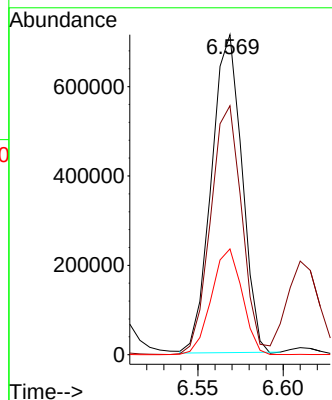
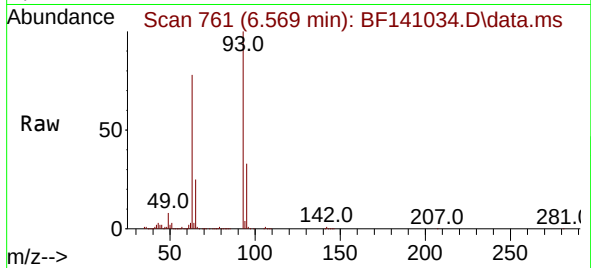




#11
bis(2-Chloroethyl)ether
Concen: 49.506 ng
RT: 6.569 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

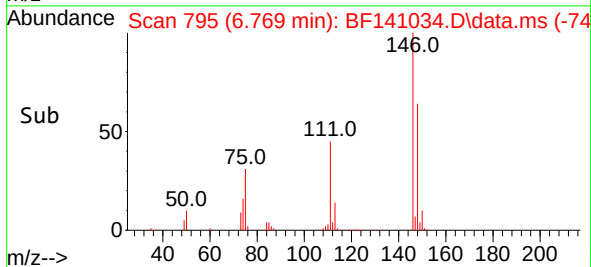
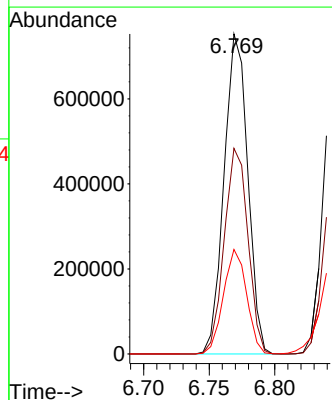
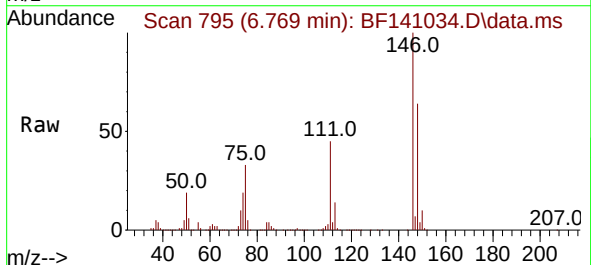
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

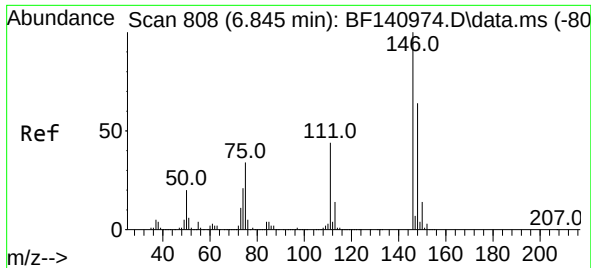
Tgt Ion: 93 Resp: 887617
Ion Ratio Lower Upper
93 100
63 77.8 60.3 100.3
95 33.1 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 48.712 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:146 Resp: 944848
Ion Ratio Lower Upper
146 100
148 64.2 51.0 76.4
75 32.6 26.1 39.1

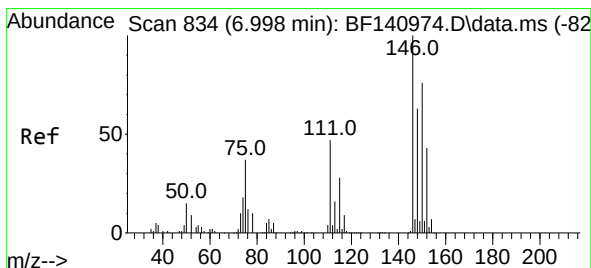
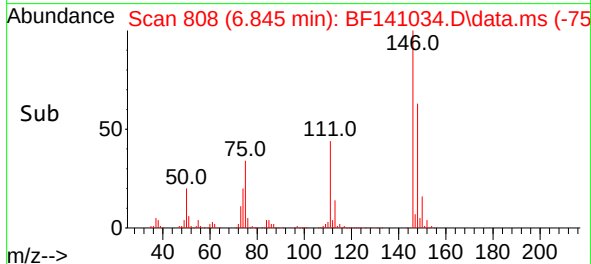
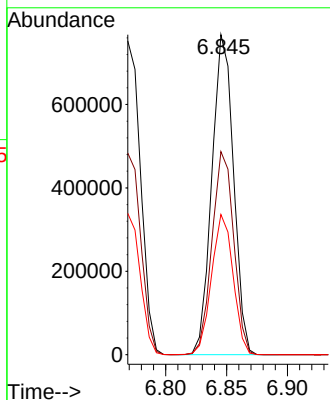
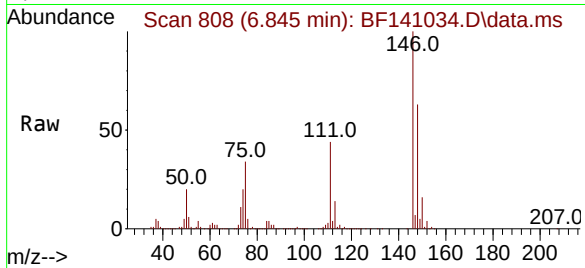




#13
1,4-Dichlorobenzene
Concen: 48.699 ng
RT: 6.845 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

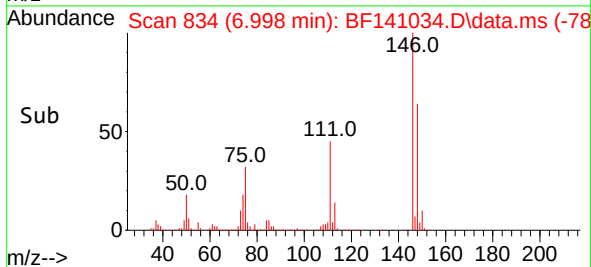
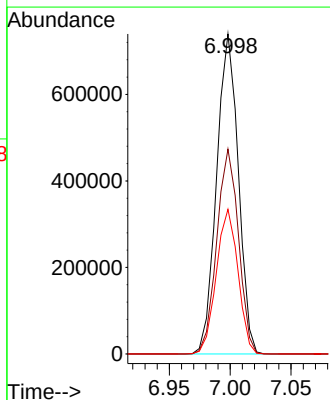
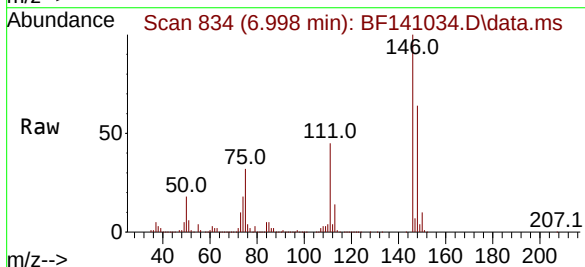
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

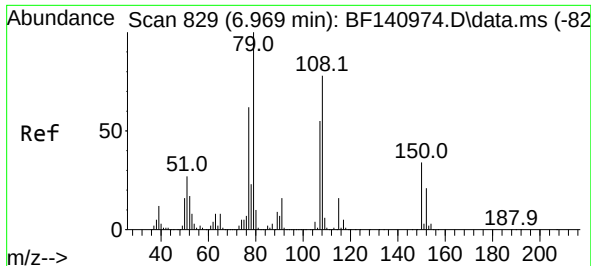
Tgt Ion:146 Resp: 952228
Ion Ratio Lower Upper
146 100
148 63.4 51.3 76.9
111 43.8 35.3 52.9



#14
1,2-Dichlorobenzene
Concen: 50.324 ng
RT: 6.998 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:146 Resp: 917455
Ion Ratio Lower Upper
146 100
148 64.0 50.6 76.0
111 45.2 37.3 55.9

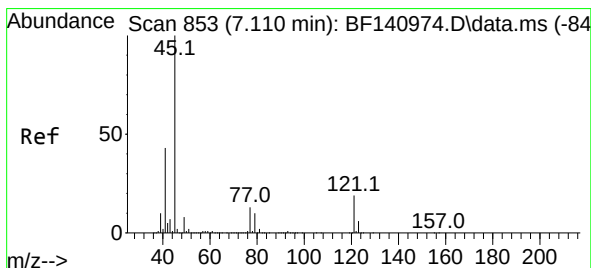
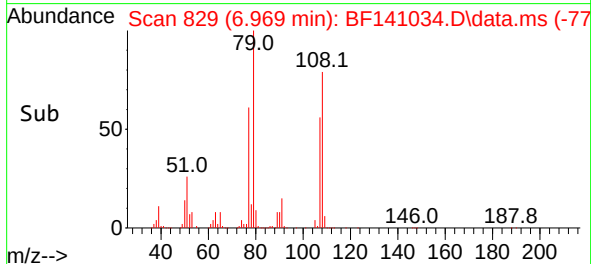
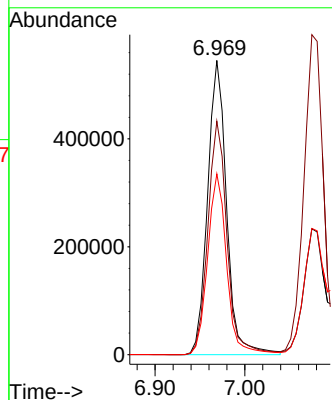
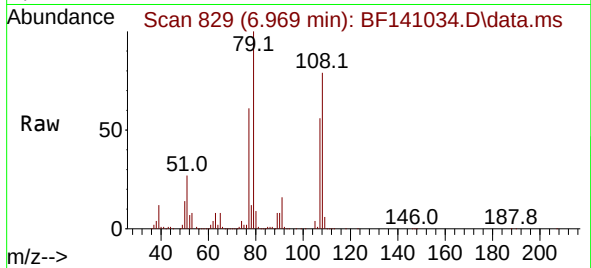




#15
Benzyl Alcohol
Concen: 51.906 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

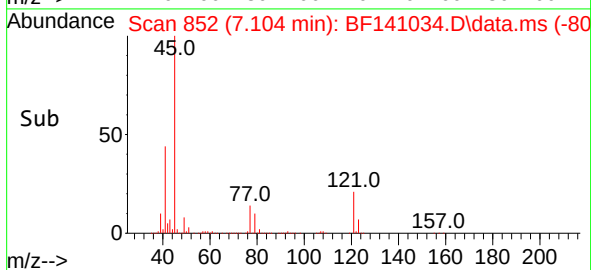
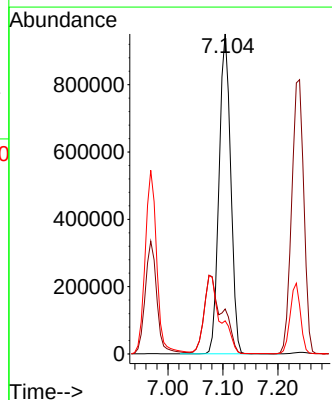
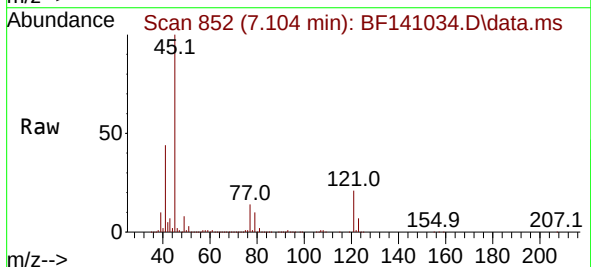
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

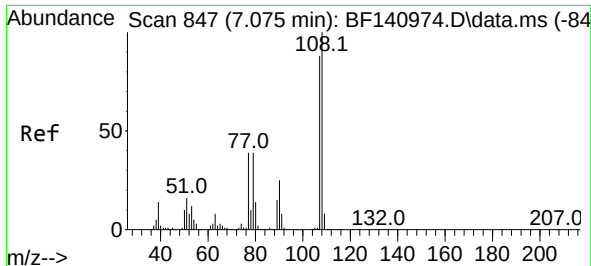
Tgt Ion: 79 Resp: 801003
Ion Ratio Lower Upper
79 100
108 79.3 62.5 93.7
77 61.4 49.3 73.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.416 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion: 45 Resp: 1394112
Ion Ratio Lower Upper
45 100
77 14.0 0.0 33.1
79 10.4 0.0 30.1





#17

2-Methylphenol

Concen: 53.342 ng

RT: 7.075 min Scan# 84

Delta R.T. -0.000 min

Lab File: BF141034.D

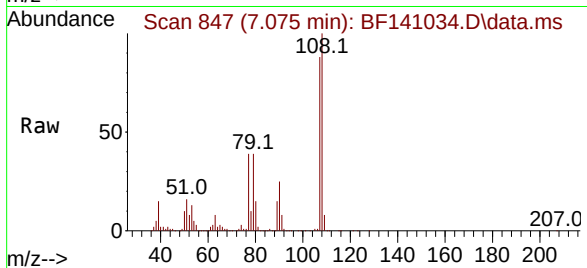
Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS



Tgt Ion:107 Resp: 778863

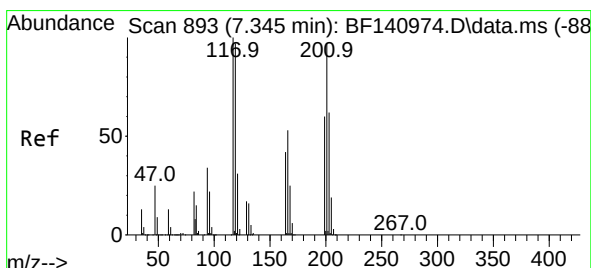
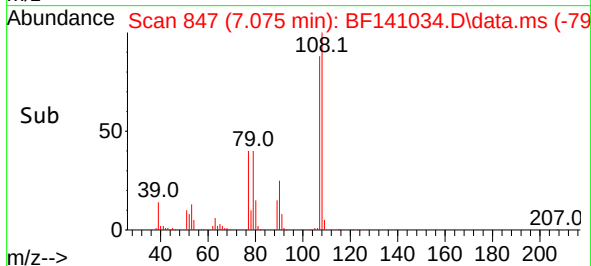
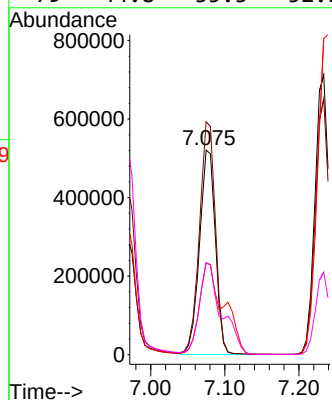
Ion Ratio Lower Upper

107 100

108 113.9 90.6 136.0

77 45.0 35.3 52.9

79 44.8 35.3 52.9



#18

Hexachloroethane

Concen: 50.565 ng

RT: 7.339 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

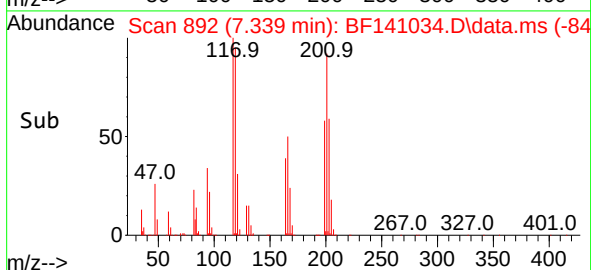
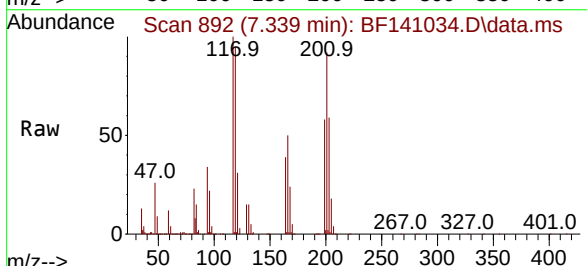
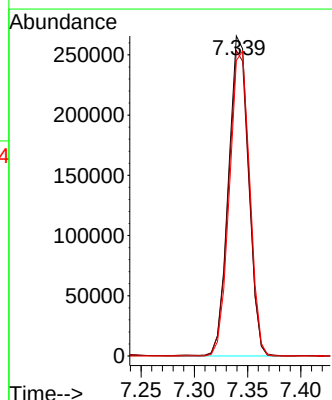
Tgt Ion:117 Resp: 351227

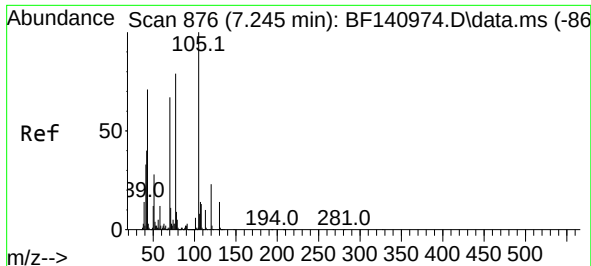
Ion Ratio Lower Upper

117 100

119 95.4 77.5 116.3

201 92.3 77.4 116.2



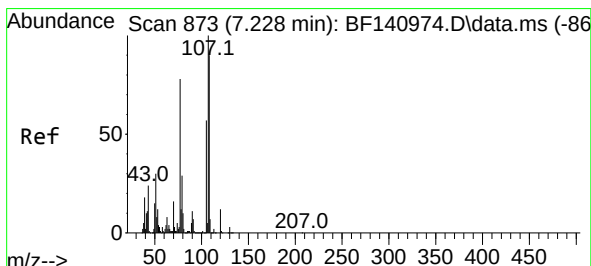
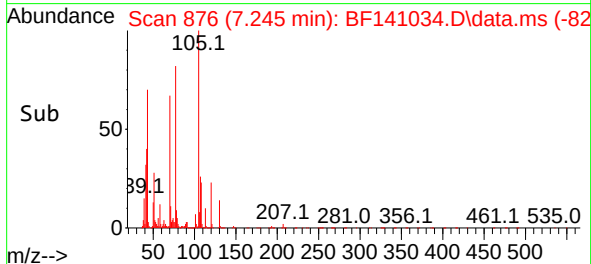
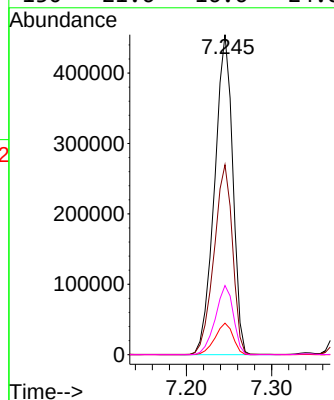
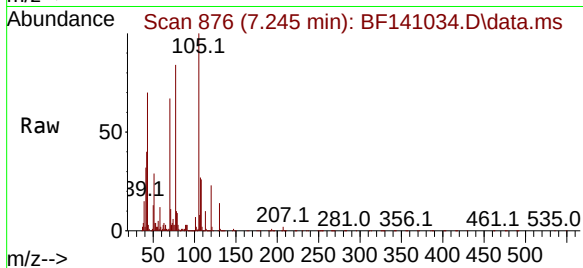


#19
n-Nitroso-di-n-propylamine
Concen: 51.235 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 70 Resp: 674050

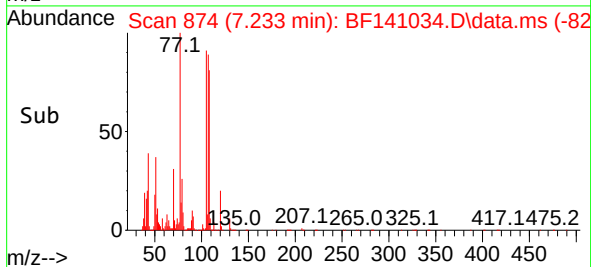
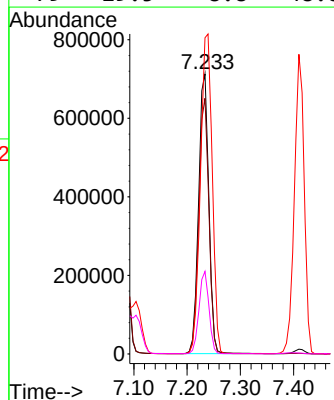
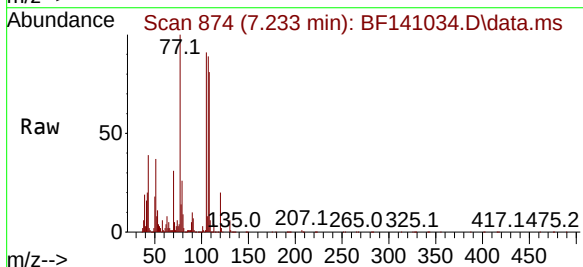
Ion	Ratio	Lower	Upper
70	100		
42	59.3	48.1	72.1
101	9.9	7.6	11.4
130	21.6	16.6	24.8

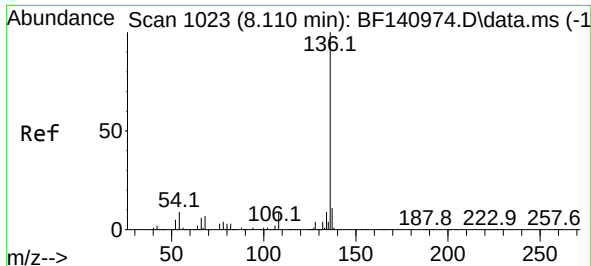


#20
3+4-Methylphenols
Concen: 51.487 ng
RT: 7.233 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion: 107 Resp: 951342

Ion	Ratio	Lower	Upper
107	100		
108	91.3	69.6	109.6
77	112.9	57.6	97.6#
79	29.5	8.8	48.8



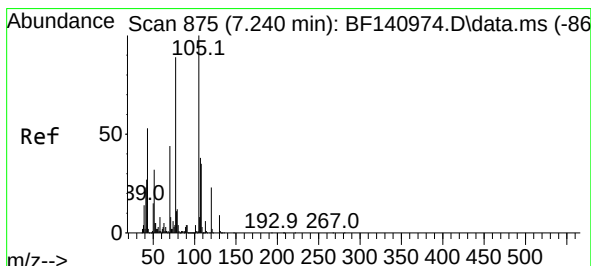
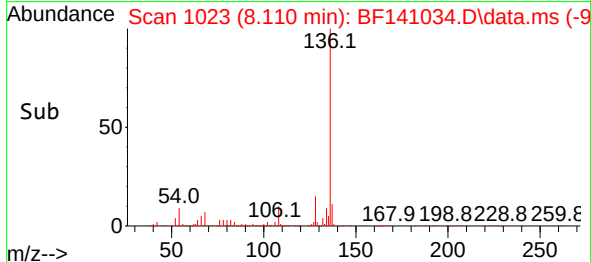
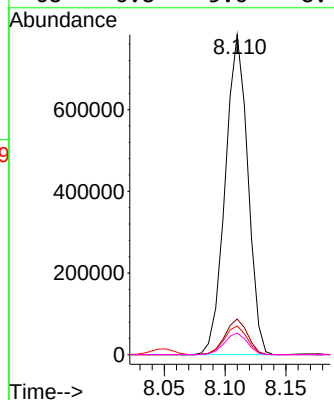
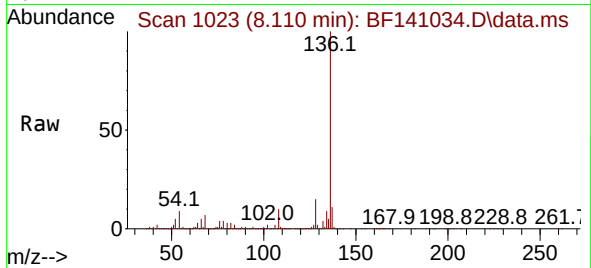


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:136 Resp: 1011696

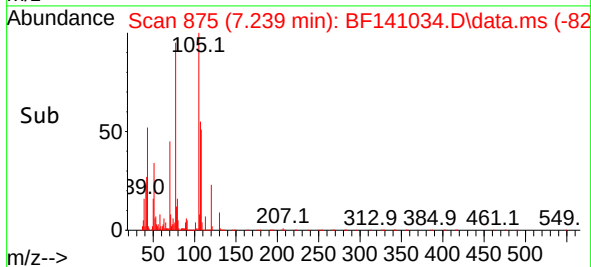
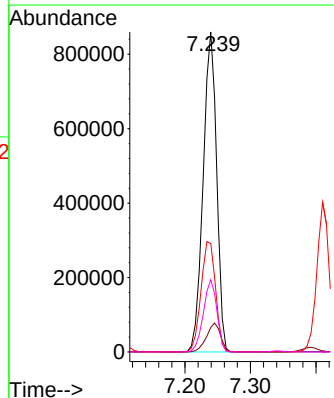
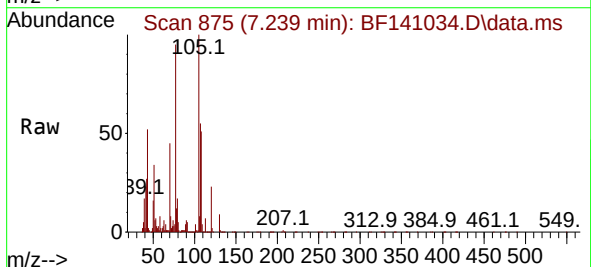
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.0	7.6	11.4
68	6.8	5.6	8.4

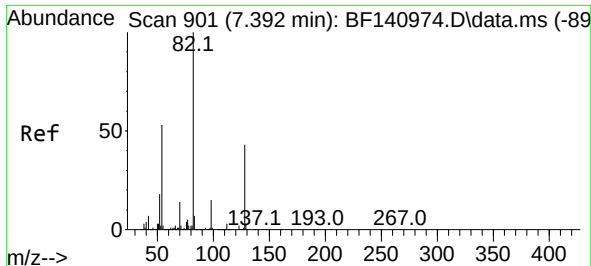


#22
Acetophenone
Concen: 49.633 ng
RT: 7.239 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:105 Resp: 1231803

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.1	9.1
51	33.9	25.8	38.6
120	22.5	18.1	27.1





#23

Nitrobenzene-d5

Concen: 128.884 ng

RT: 7.392 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

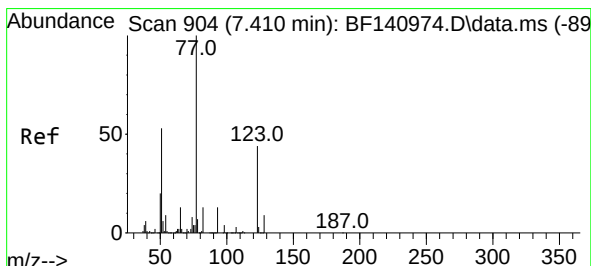
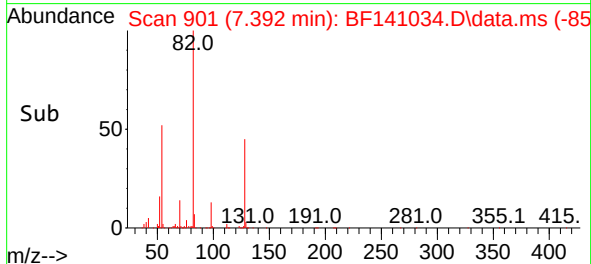
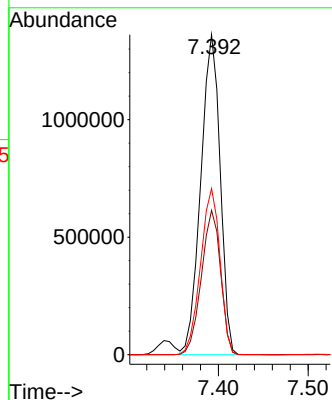
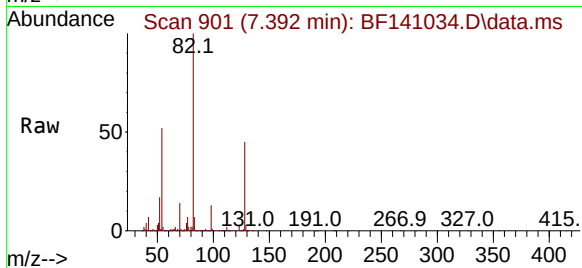
BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion: 82 Resp: 2038064

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.4	51.6
54	52.0	42.4	63.6



#24

Nitrobenzene

Concen: 55.501 ng

RT: 7.410 min Scan# 904

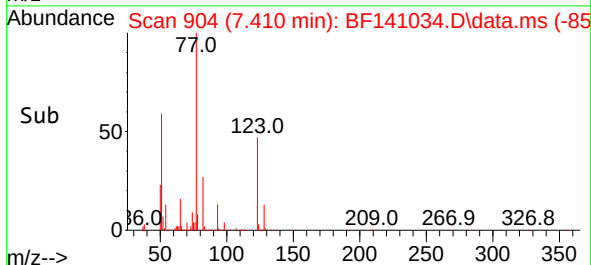
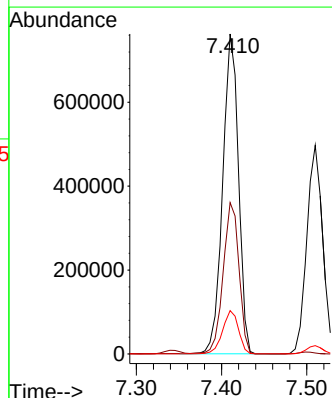
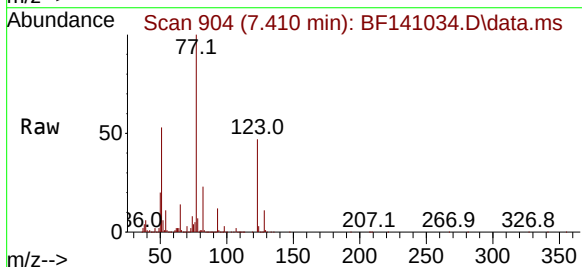
Delta R.T. -0.000 min

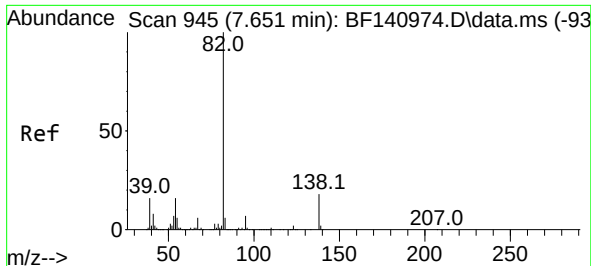
Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Tgt Ion: 77 Resp: 980680

Ion	Ratio	Lower	Upper
77	100		
123	47.3	35.4	53.2
65	13.6	10.7	16.1





#25

Isophorone

Concen: 52.324 ng

RT: 7.651 min Scan# 945

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

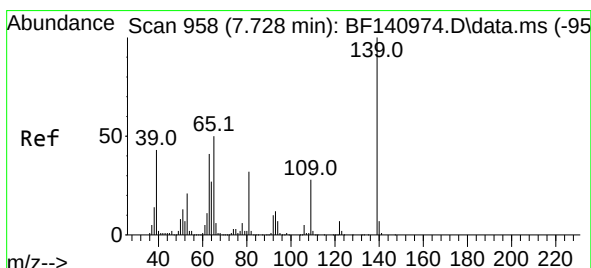
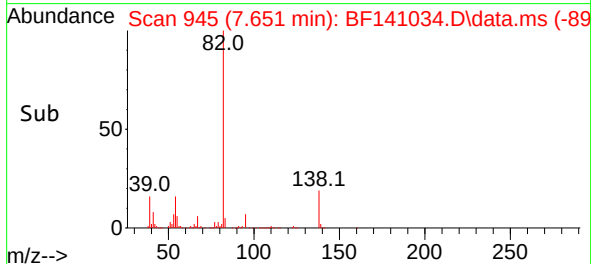
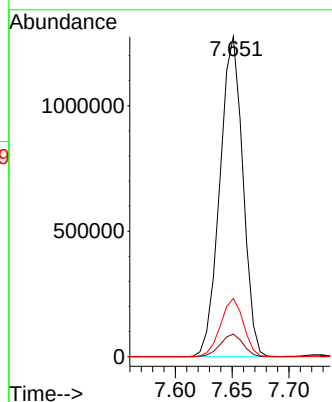
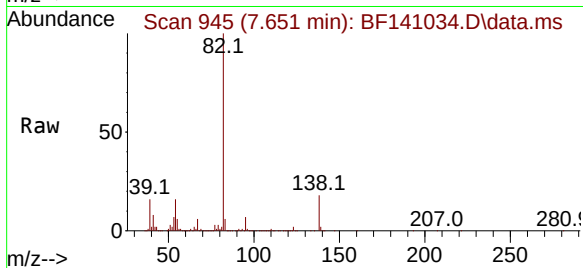
BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion: 82 Resp: 1800505

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.2	14.6	21.8



#26

2-Nitrophenol

Concen: 63.076 ng

RT: 7.728 min Scan# 958

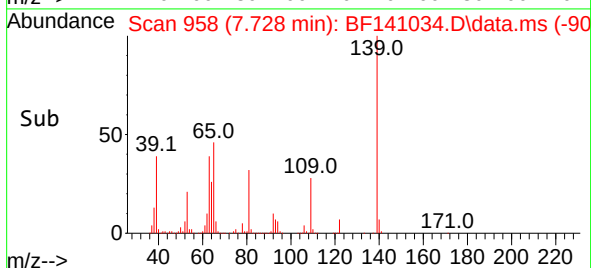
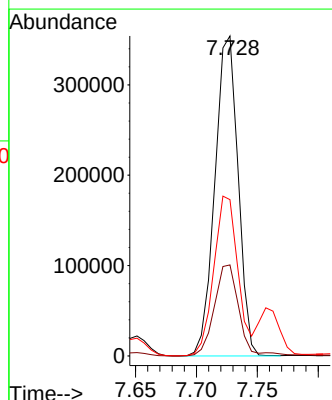
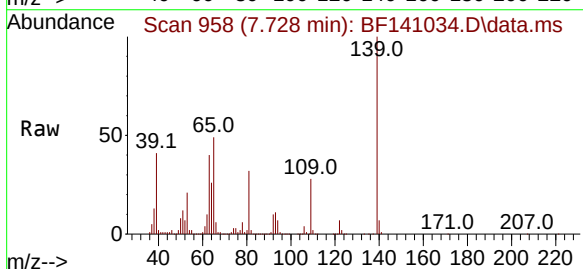
Delta R.T. -0.000 min

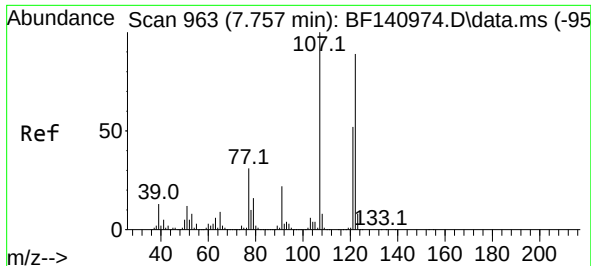
Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Tgt Ion: 139 Resp: 470297

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.2	33.4
65	48.8	40.2	60.4

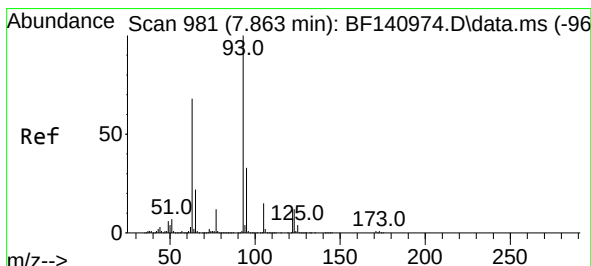
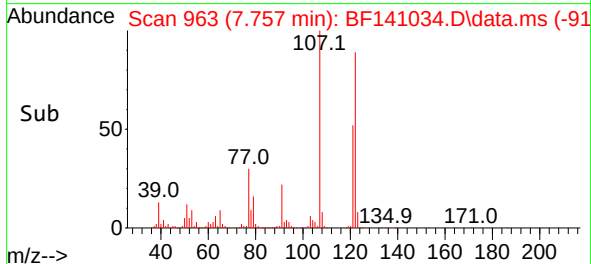
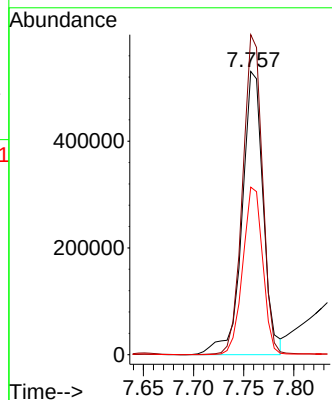
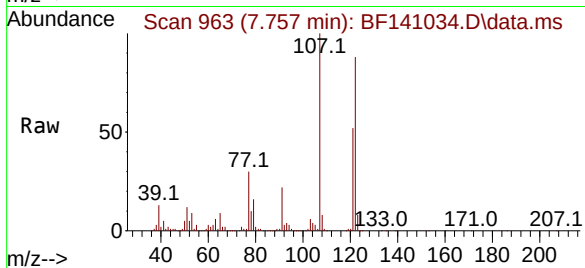




#27
2,4-Dimethylphenol
Concen: 62.128 ng
RT: 7.757 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

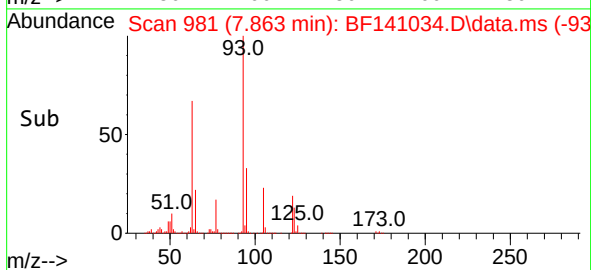
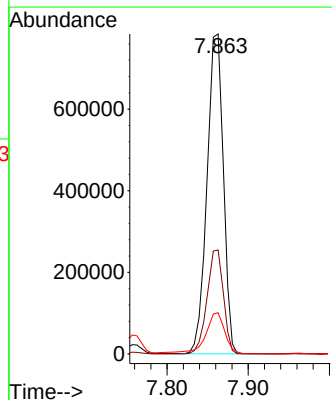
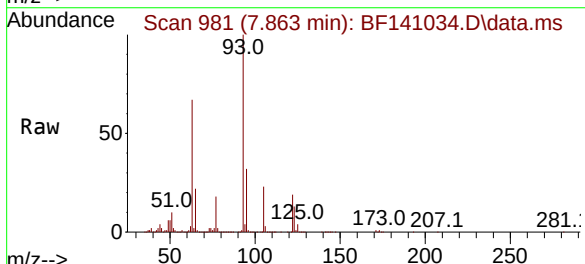
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

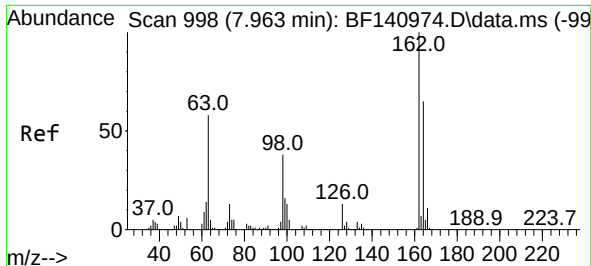
Tgt Ion:122 Resp: 781312
Ion Ratio Lower Upper
122 100
107 113.0 89.4 134.2
121 59.2 46.7 70.1



#28
bis(2-Chloroethoxy)methane
Concen: 50.338 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion: 93 Resp: 1097464
Ion Ratio Lower Upper
93 100
95 32.5 26.2 39.4
123 12.9 9.9 14.9

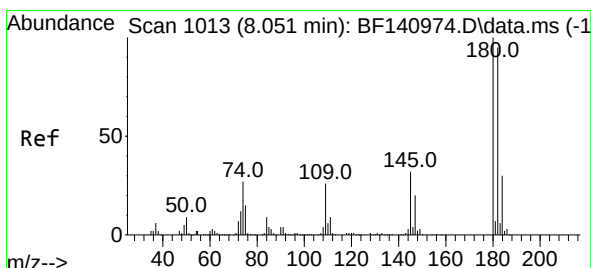
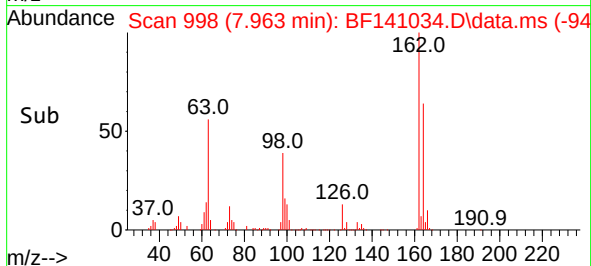
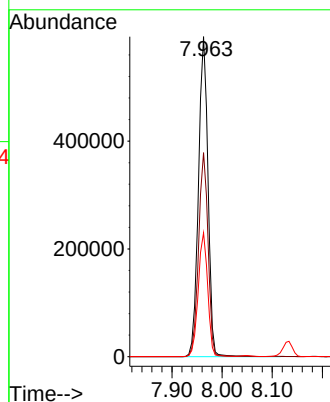
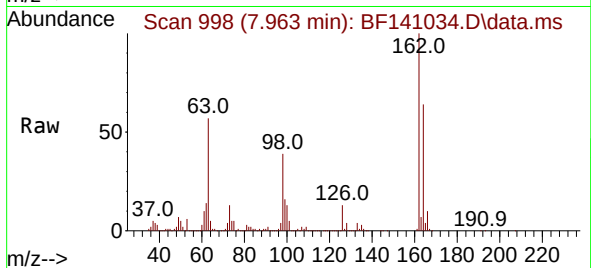




#29
2,4-Dichlorophenol
Concen: 54.799 ng
RT: 7.963 min Scan# 998
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

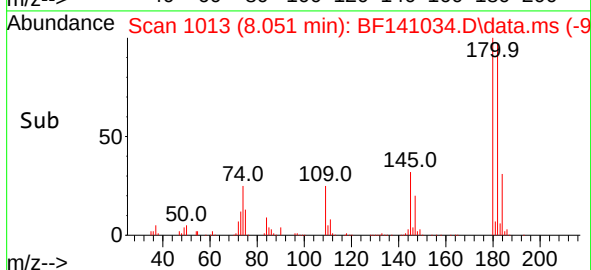
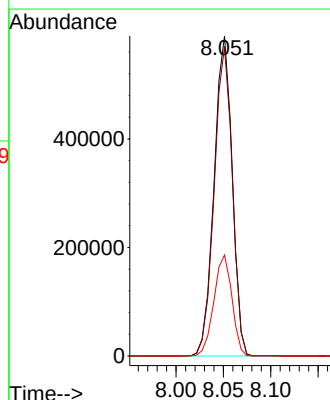
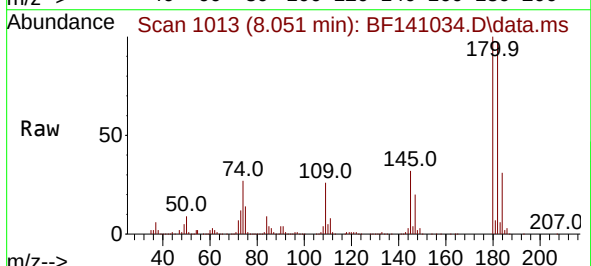
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

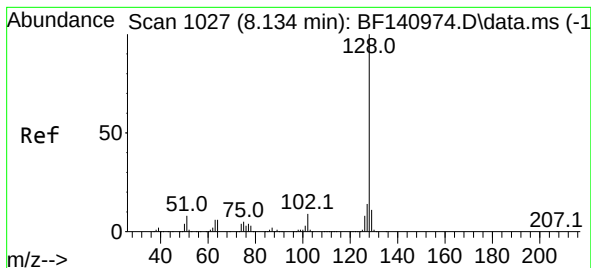
Tgt Ion:162	Resp:	781594
Ion	Ratio	Lower Upper
162	100	
164	63.8	44.8 84.8
98	38.7	18.6 58.6



#30
1,2,4-Trichlorobenzene
Concen: 48.504 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:180	Resp:	783025
Ion	Ratio	Lower Upper
180	100	
182	96.6	76.2 114.4
145	31.6	25.4 38.2





#31

Naphthalene

Concen: 49.128 ng

RT: 8.133 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141034.D

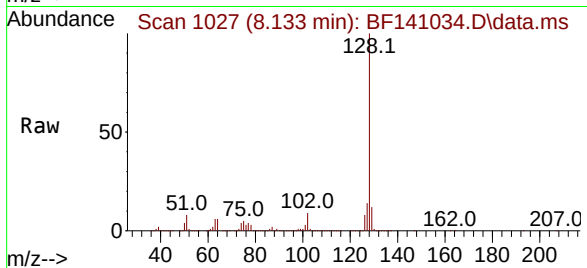
Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

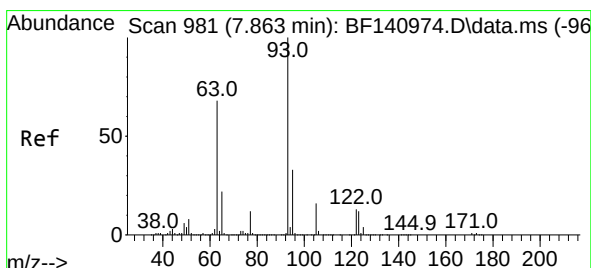
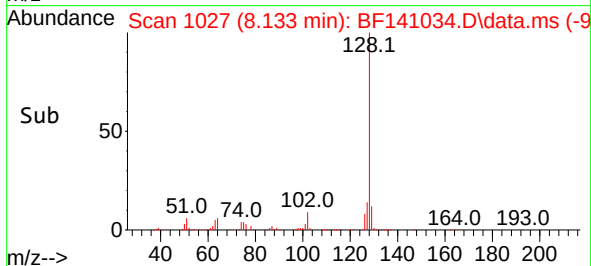
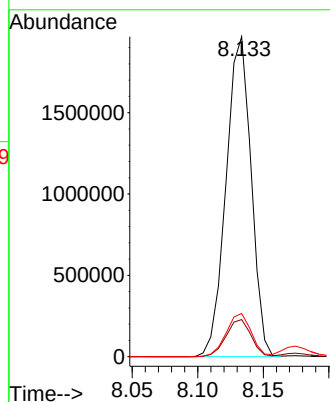
ClientSampleId :

WC-SOIL-20241219MS



Tgt Ion:128 Resp: 2619046

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.5	11.0	16.4



#32

Benzoic acid

Concen: 55.716 ng

RT: 7.875 min Scan# 983

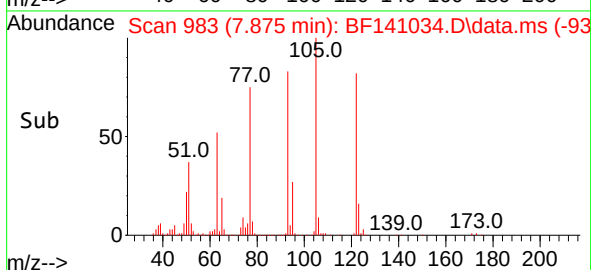
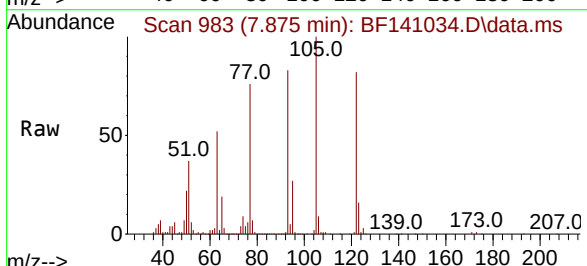
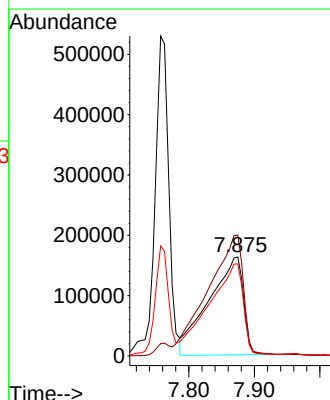
Delta R.T. 0.012 min

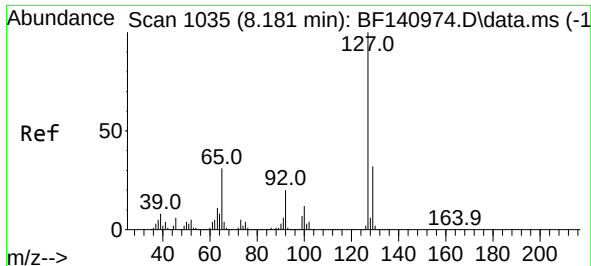
Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Tgt Ion:122 Resp: 591856

Ion	Ratio	Lower	Upper
122	100		
105	122.1	105.4	145.4
77	93.1	76.4	116.4

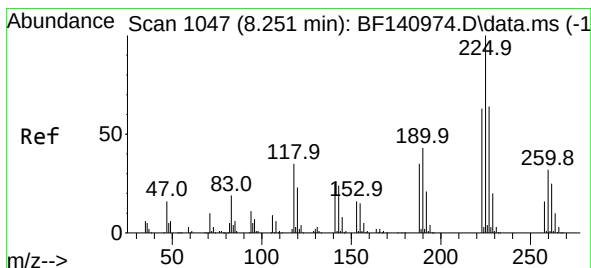
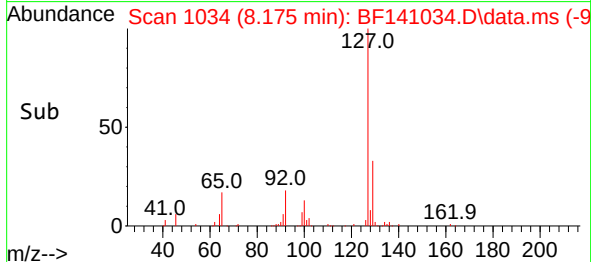
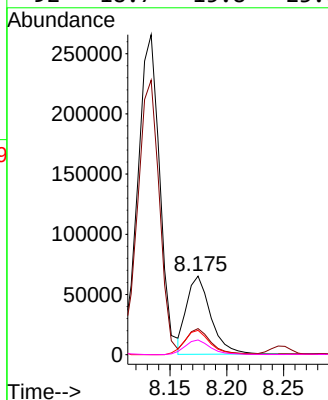
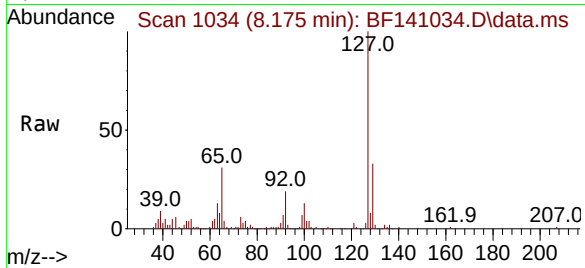




#33
4-Chloroaniline
Concen: 4.945 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

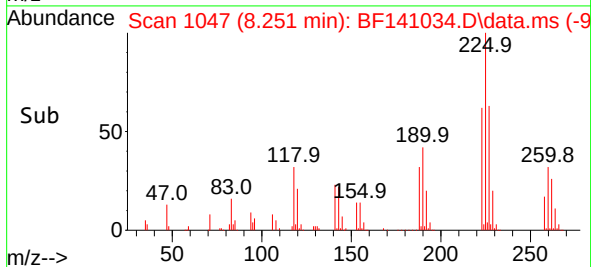
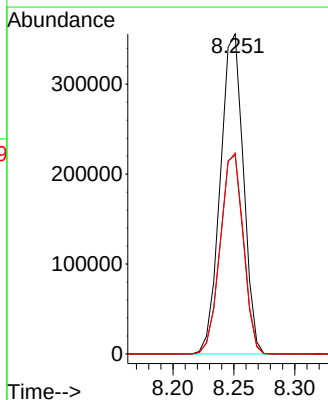
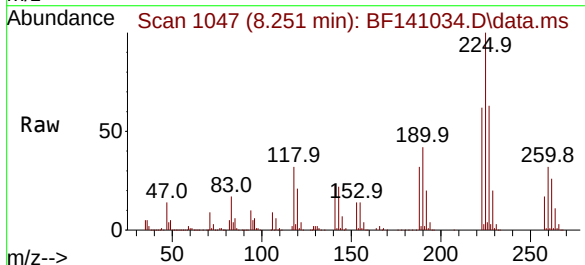
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

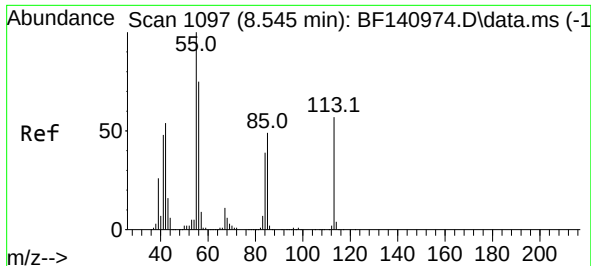
Tgt Ion:127	Resp:	95361
Ion Ratio	Lower	Upper
127	100	
129	33.2	26.1 39.1
65	30.9	24.6 37.0
92	18.7	15.8 23.6



#34
Hexachlorobutadiene
Concen: 49.293 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:225	Resp:	469121
Ion Ratio	Lower	Upper
225	100	
223	62.2	50.3 75.5
227	62.8	50.8 76.2

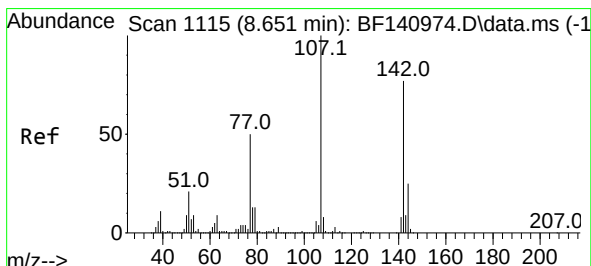
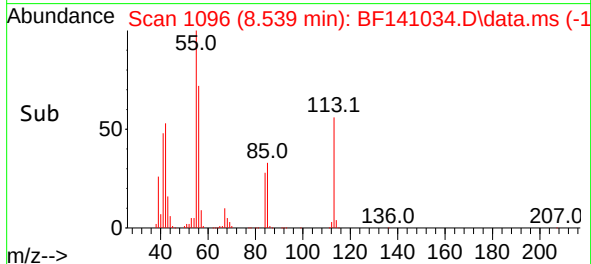
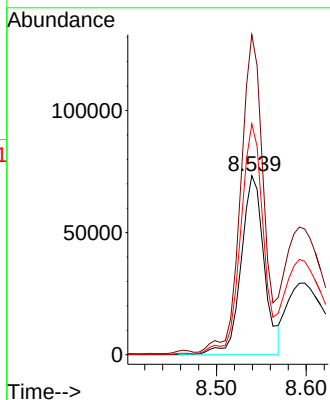
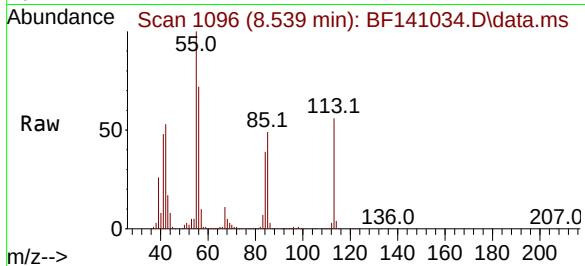




#35
 Caprolactam
 Concen: 26.850 ng
 RT: 8.539 min Scan# 1096
 Delta R.T. -0.006 min
 Lab File: BF141034.D
 Acq: 30 Dec 2024 16:47

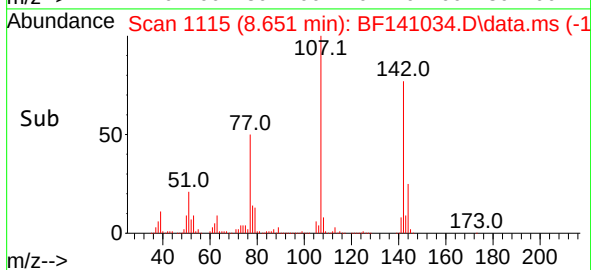
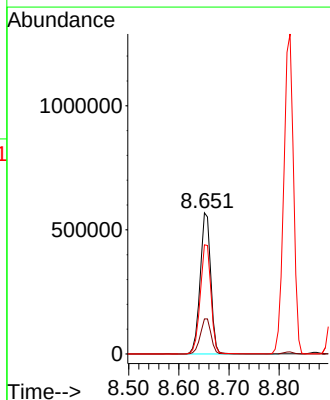
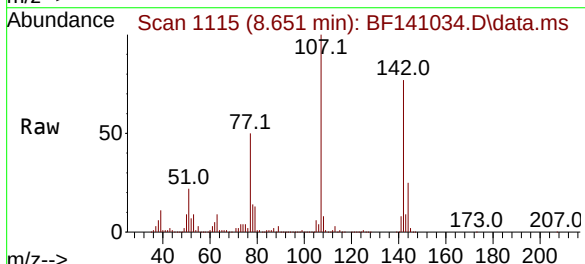
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MS

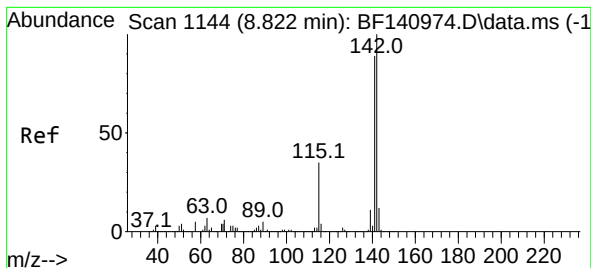
Tgt Ion:113 Resp: 130188
 Ion Ratio Lower Upper
 113 100
 55 178.7 156.6 196.6
 56 129.0 111.7 151.7



#36
 4-Chloro-3-methylphenol
 Concen: 52.670 ng
 RT: 8.651 min Scan# 1115
 Delta R.T. -0.000 min
 Lab File: BF141034.D
 Acq: 30 Dec 2024 16:47

Tgt Ion:107 Resp: 834277
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.9 29.9
 142 77.4 61.8 92.8





#37

2-Methylnaphthalene

Concen: 50.716 ng

RT: 8.822 min Scan# 1144

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

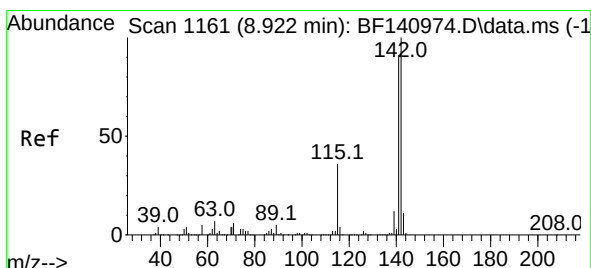
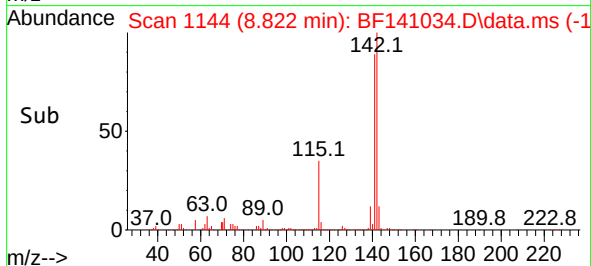
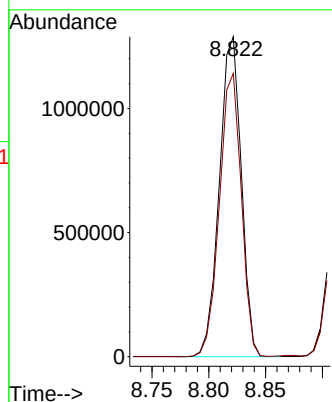
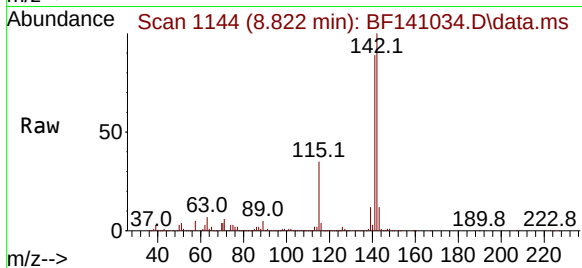
WC-SOIL-20241219MS

Tgt Ion:142 Resp: 1729656

Ion Ratio Lower Upper

142 100

141 88.6 71.1 106.7



#38

1-Methylnaphthalene

Concen: 48.735 ng

RT: 8.922 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF141034.D

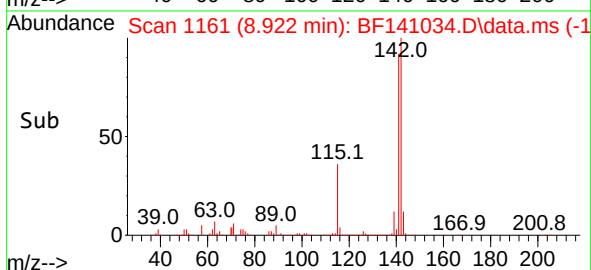
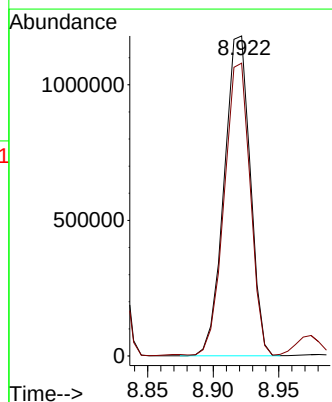
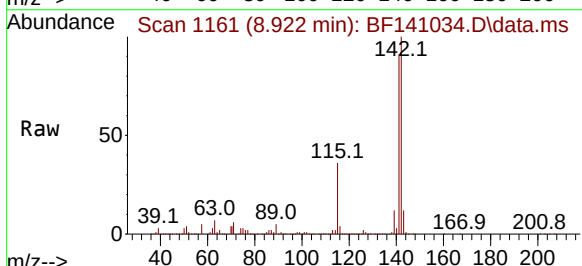
Acq: 30 Dec 2024 16:47

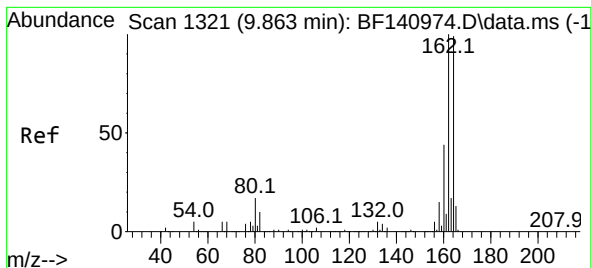
Tgt Ion:142 Resp: 1633480

Ion Ratio Lower Upper

142 100

141 91.5 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1172

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

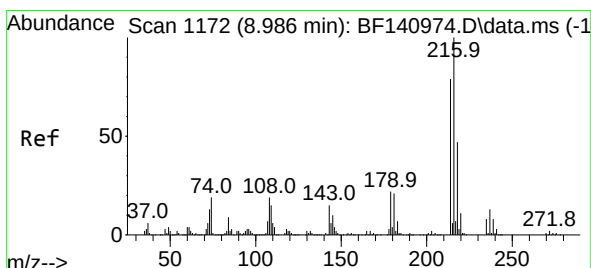
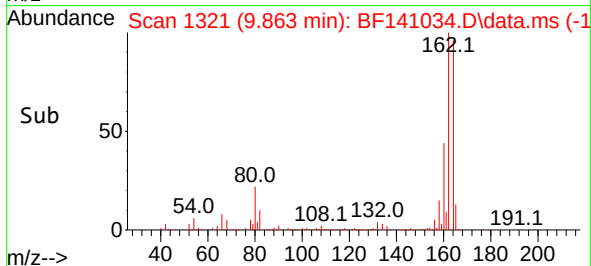
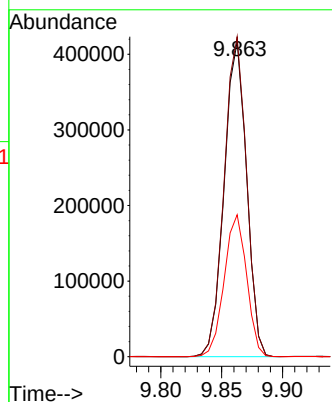
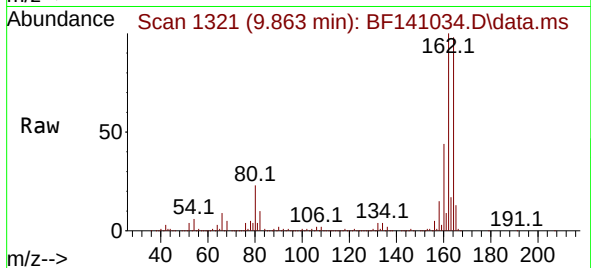
Tgt Ion:164 Resp: 535091

Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

160 45.1 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.853 ng

RT: 8.986 min Scan# 1172

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Tgt Ion:216 Resp: 763326

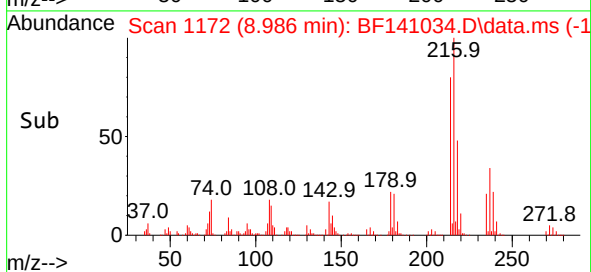
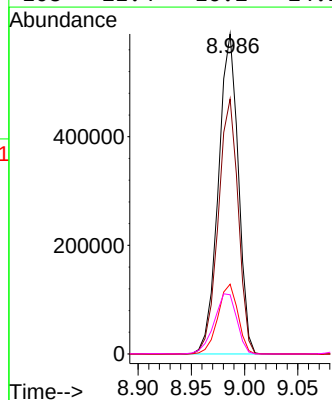
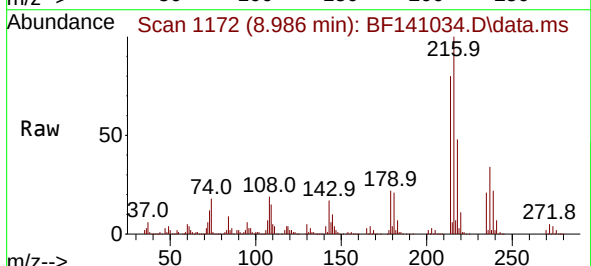
Ion Ratio Lower Upper

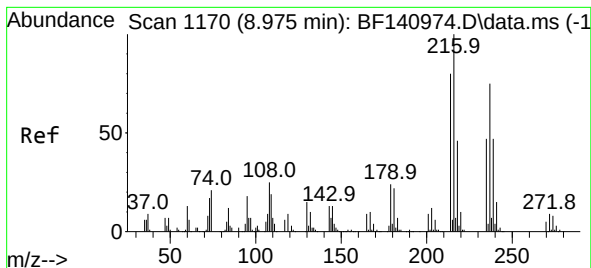
216 100

214 79.8 63.0 94.6

179 21.9 17.9 26.9

108 21.4 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 163.909 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

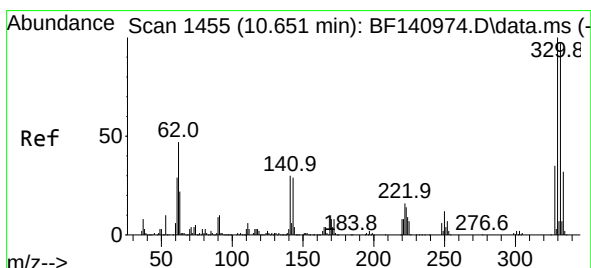
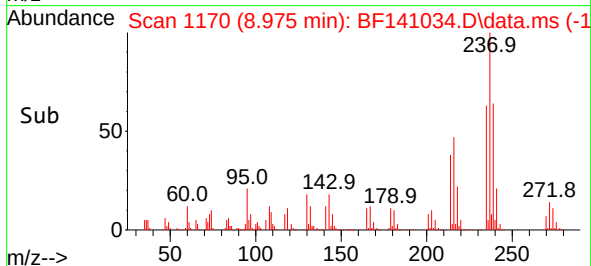
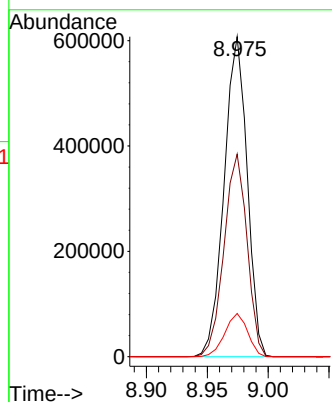
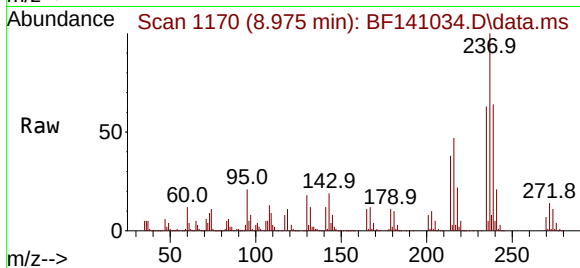
Tgt Ion:237 Resp: 799611

Ion Ratio Lower Upper

237 100

235 63.3 43.4 83.4

272 13.5 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 187.966 ng

RT: 10.651 min Scan# 1455

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

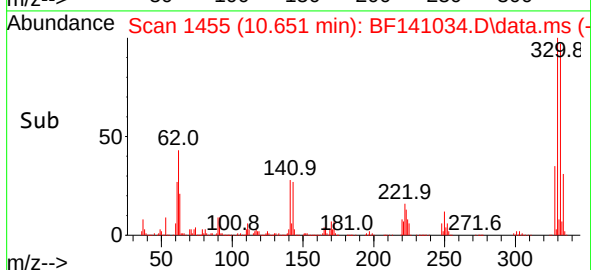
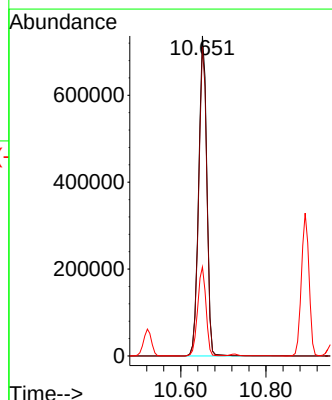
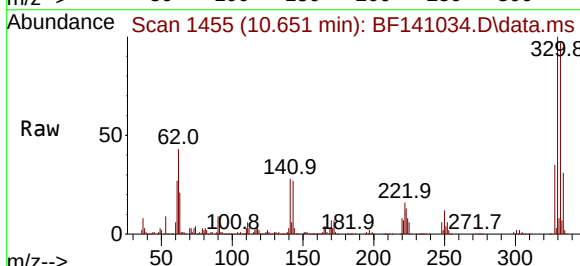
Tgt Ion:330 Resp: 977329

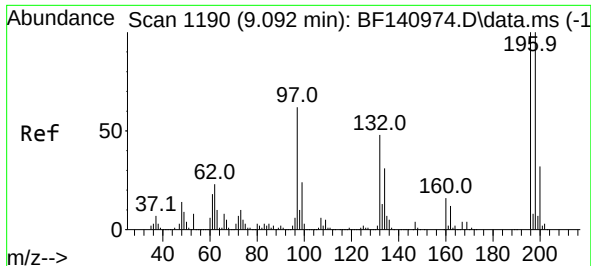
Ion Ratio Lower Upper

330 100

332 96.2 78.0 117.0

141 28.3 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 58.231 ng

RT: 9.092 min Scan# 1190

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

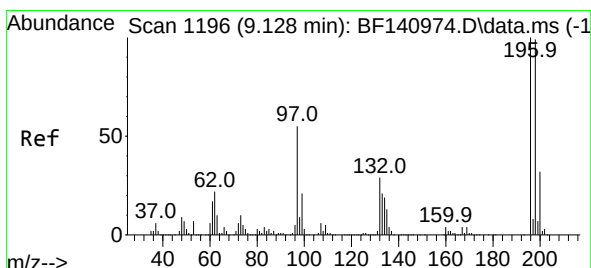
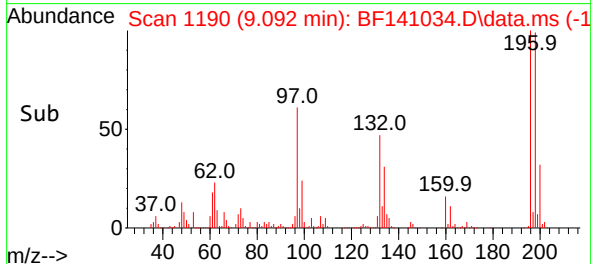
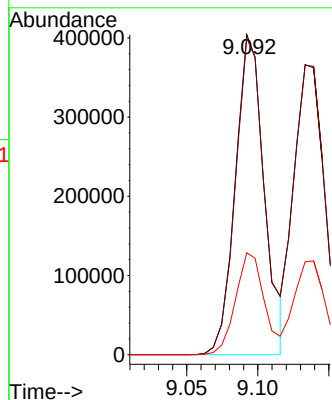
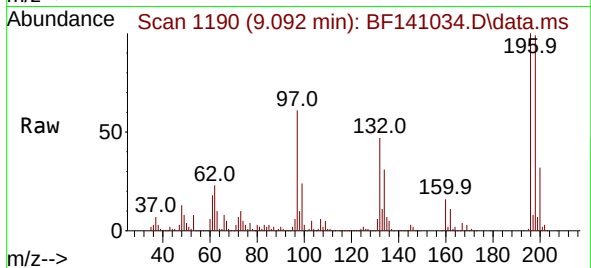
Tgt Ion:196 Resp: 570522

Ion Ratio Lower Upper

196 100

198 99.0 80.2 120.4

200 31.8 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 54.715 ng

RT: 9.133 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Tgt Ion:196 Resp: 548506

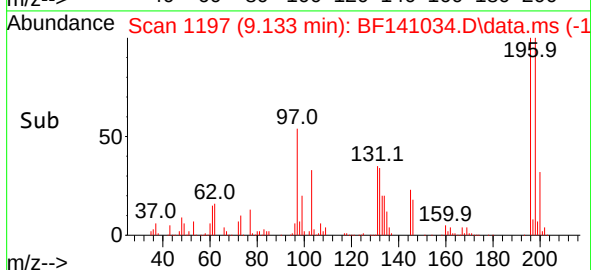
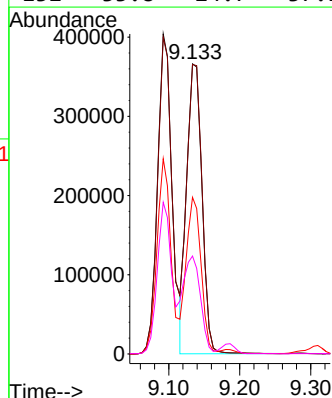
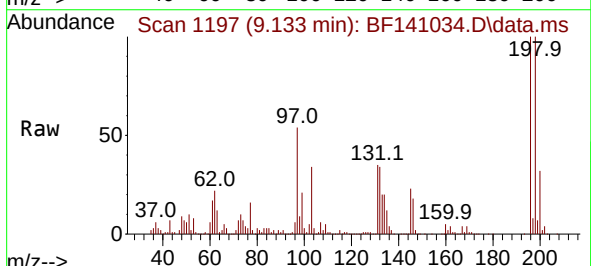
Ion Ratio Lower Upper

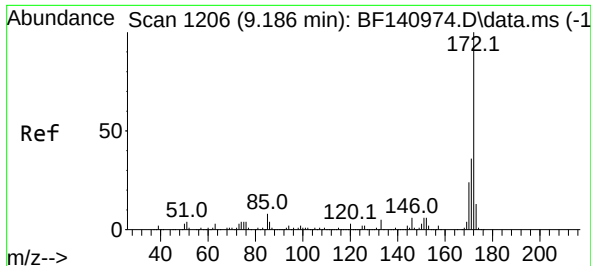
196 100

198 99.8 79.9 119.9

97 54.0 44.3 66.5

132 33.8 24.7 37.1

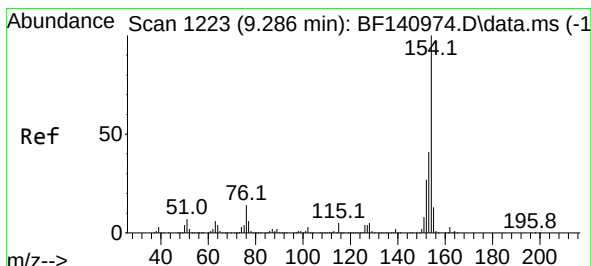
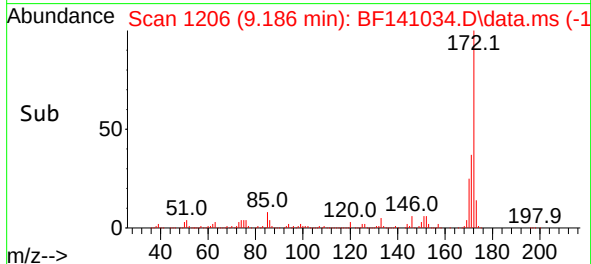
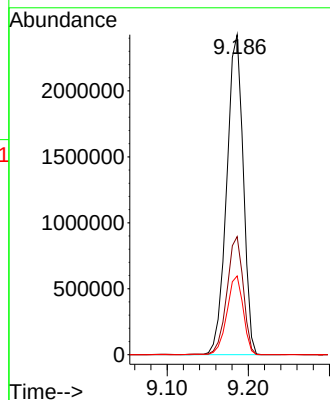
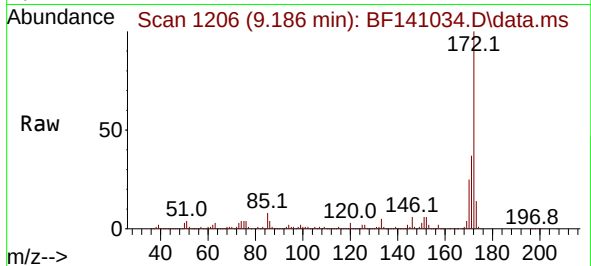




#45
2-Fluorobiphenyl
Concen: 102.249 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

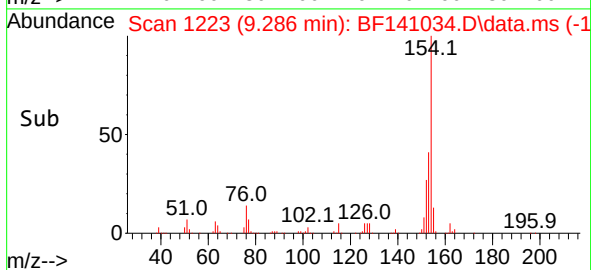
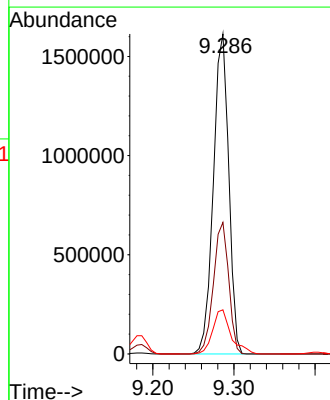
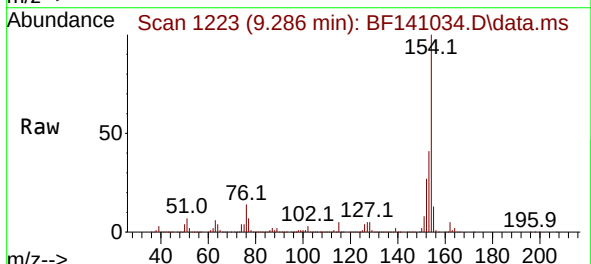
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

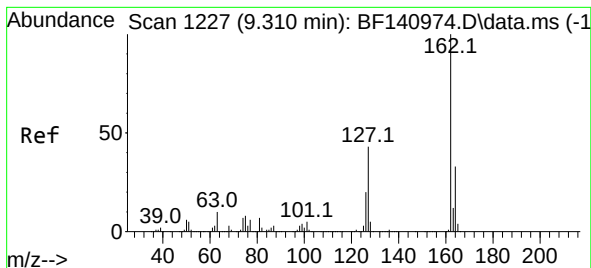
Tgt Ion:172 Resp: 3434049
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.4
170 24.6 19.6 29.4



#46
1,1'-Biphenyl
Concen: 51.647 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:154 Resp: 2116058
Ion Ratio Lower Upper
154 100
153 41.1 20.9 60.9
76 13.8 0.0 34.0





#47

2-Chloronaphthalene

Concen: 50.472 ng

RT: 9.310 min Scan# 1227

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

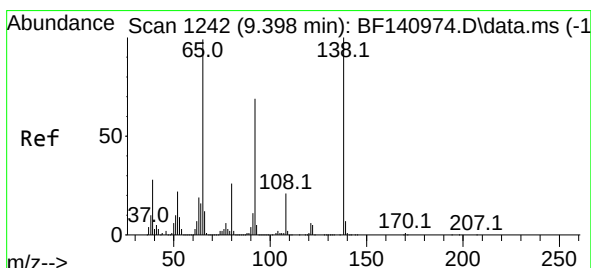
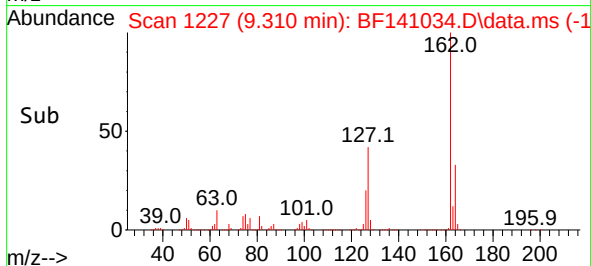
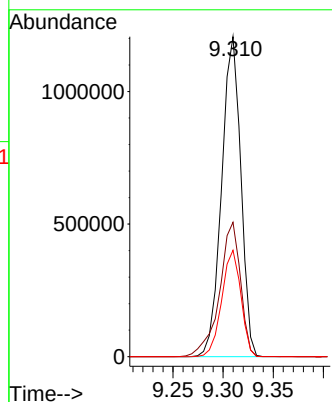
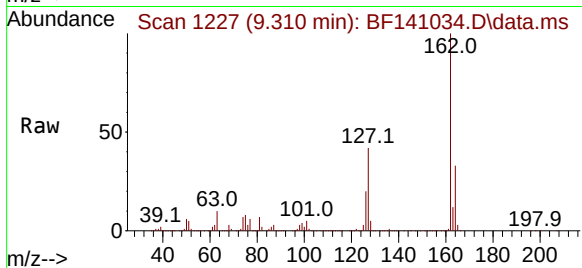
Tgt Ion:162 Resp: 1603805

Ion Ratio Lower Upper

162 100

127 42.0 34.2 51.4

164 33.3 26.6 40.0



#48

2-Nitroaniline

Concen: 59.843 ng

RT: 9.404 min Scan# 1243

Delta R.T. 0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

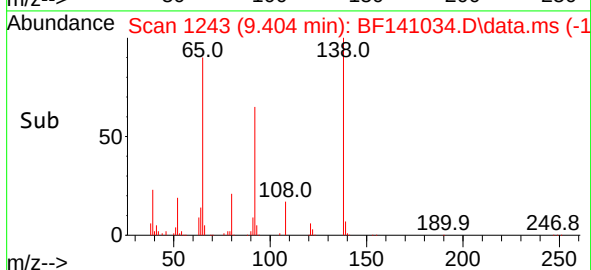
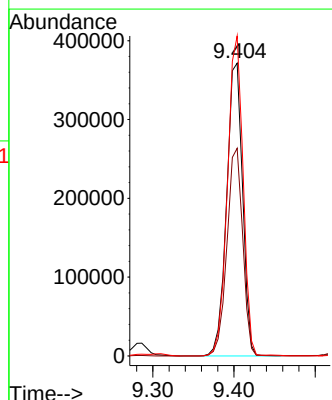
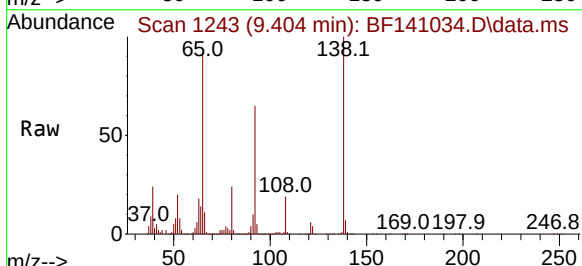
Tgt Ion: 65 Resp: 508015

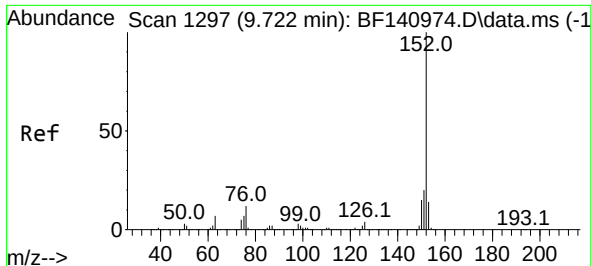
Ion Ratio Lower Upper

65 100

92 70.9 55.6 83.4

138 109.3 80.5 120.7

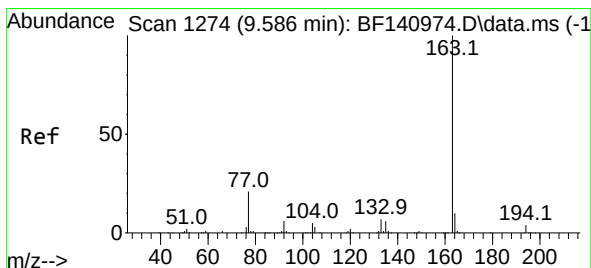
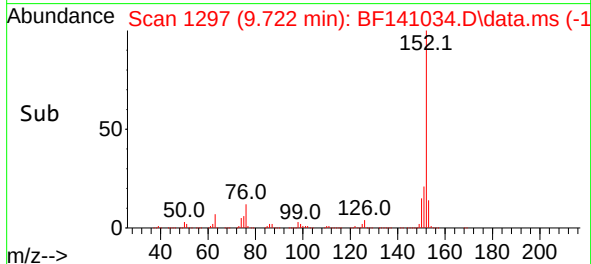
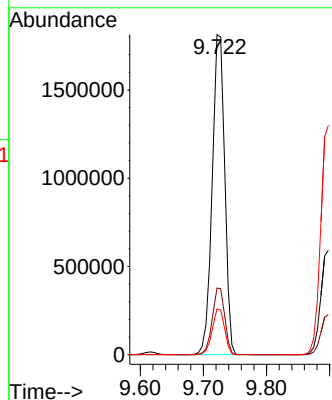
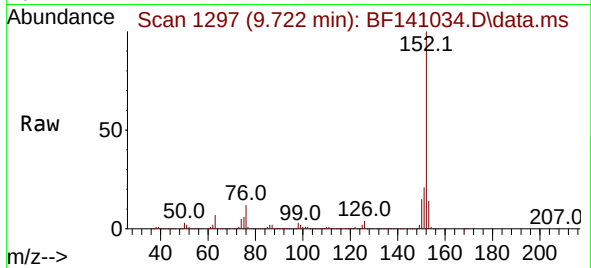




#49
Acenaphthylene
Concen: 54.660 ng
RT: 9.722 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

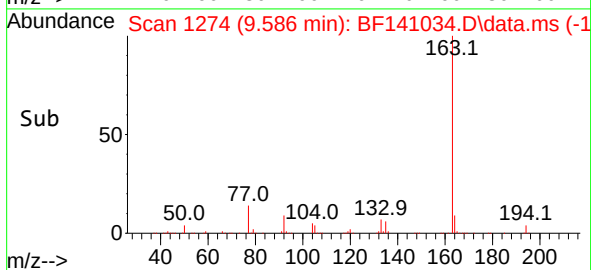
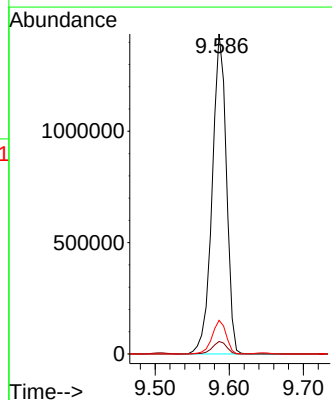
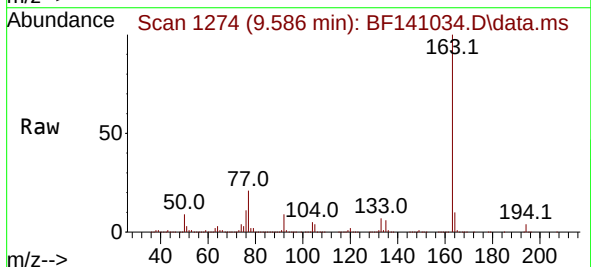
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

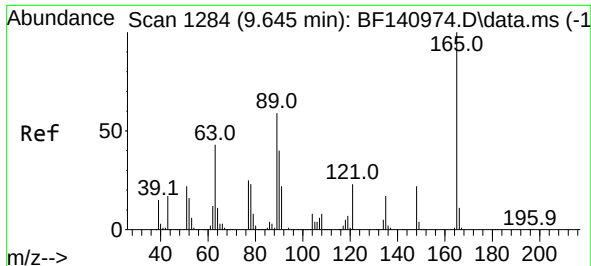
Tgt Ion:152 Resp: 2500345
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4
153 14.3 11.4 17.0



#50
Dimethylphthalate
Concen: 54.258 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:163 Resp: 1909695
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.5 8.3 12.5

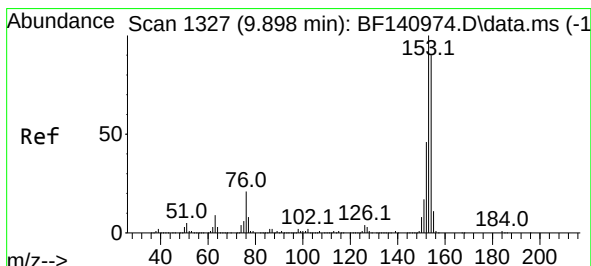
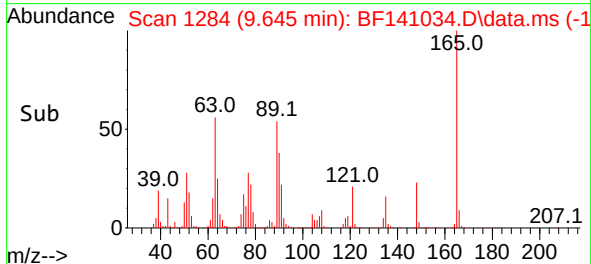
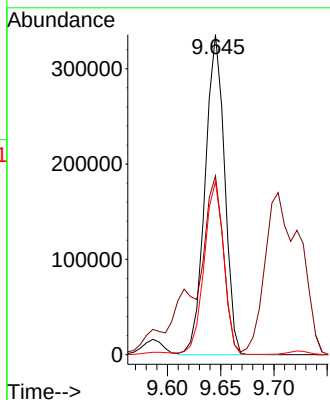
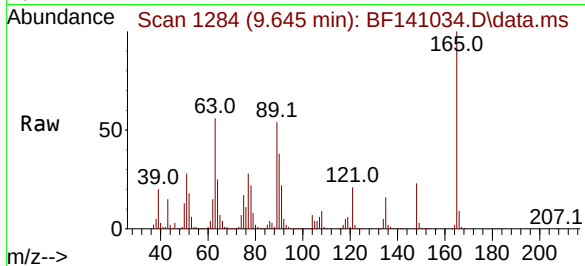




#51
2,6-Dinitrotoluene
Concen: 58.769 ng
RT: 9.645 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

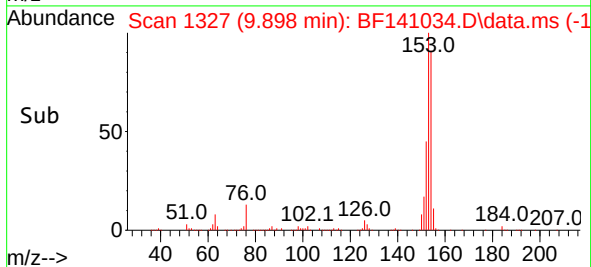
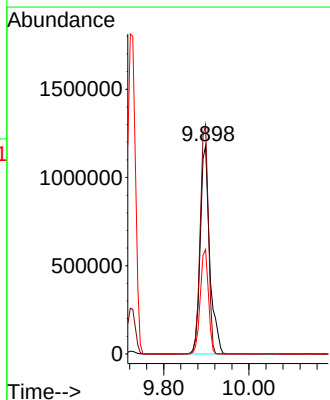
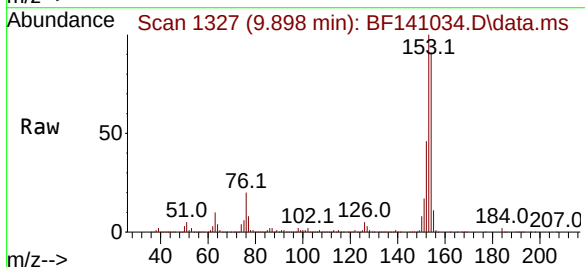
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

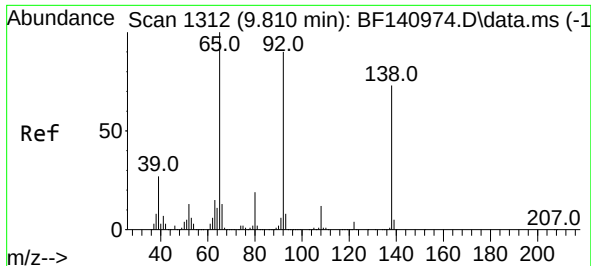
Tgt Ion:165 Resp: 428203
Ion Ratio Lower Upper
165 100
63 55.9 47.1 70.7
89 54.1 47.0 70.4



#52
Acenaphthene
Concen: 59.106 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:154 Resp: 1827847
Ion Ratio Lower Upper
154 100
153 110.3 89.2 133.8
152 50.3 40.9 61.3

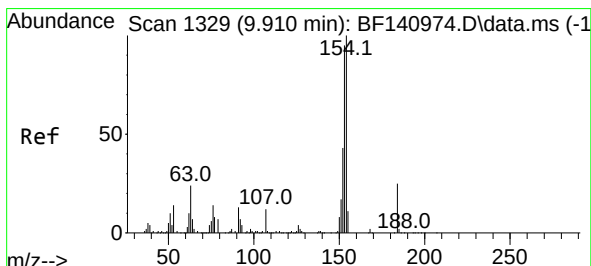
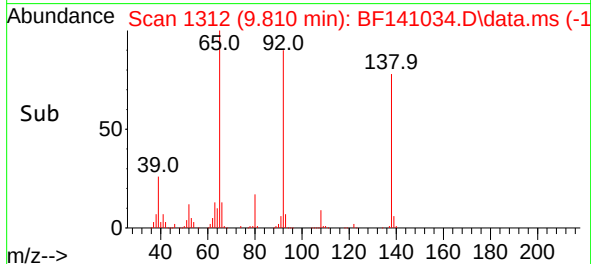
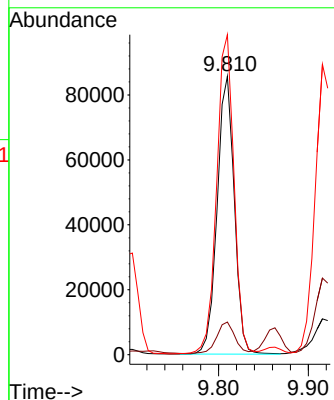
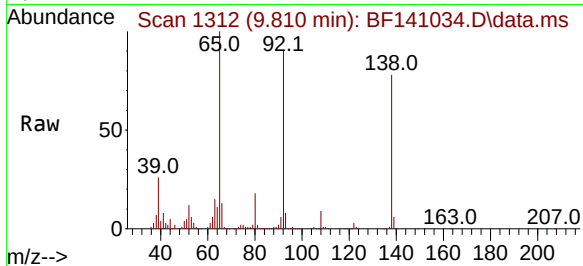




#53
3-Nitroaniline
Concen: 16.808 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

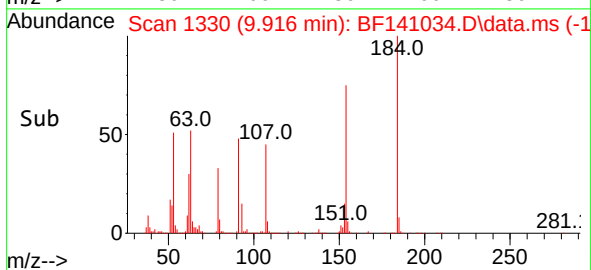
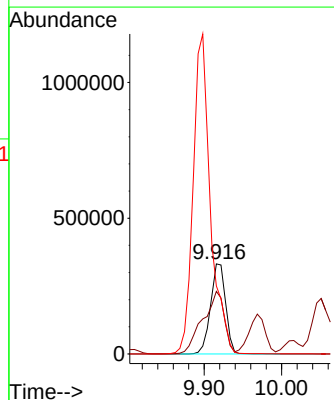
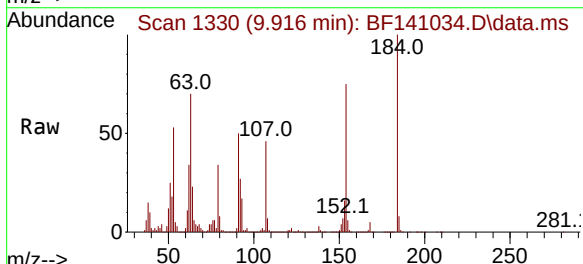
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

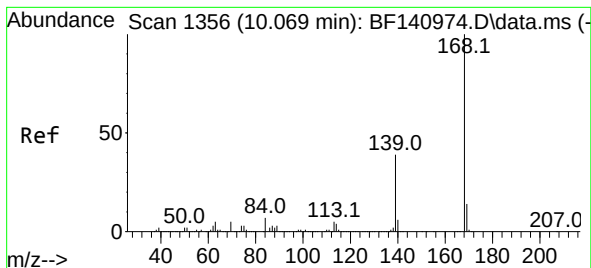
Tgt Ion:138 Resp: 113430
Ion Ratio Lower Upper
138 100
108 11.7 13.5 20.3#
92 114.9 97.7 146.5



#54
2,4-Dinitrophenol
Concen: 124.733 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:184 Resp: 448869
Ion Ratio Lower Upper
184 100
63 69.5 81.6 122.4#
154 75.5 363.5 545.3#





#55

Dibenzofuran

Concen: 52.902 ng

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

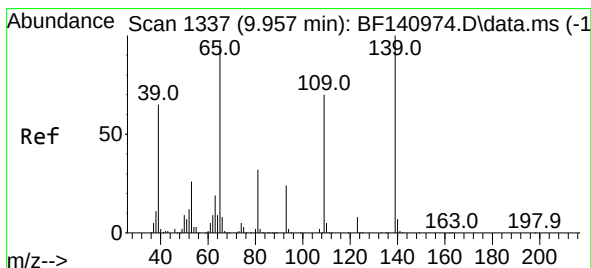
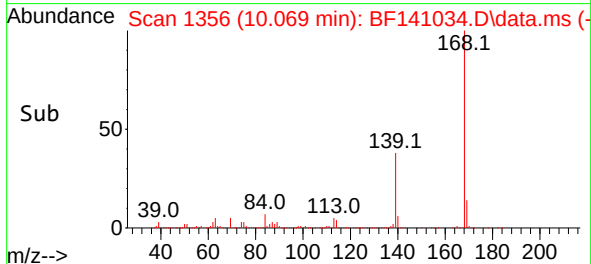
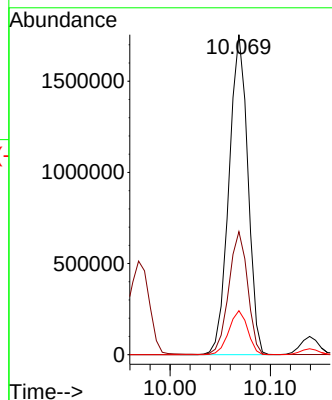
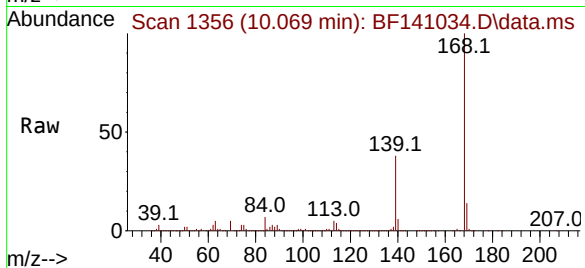
Tgt Ion:168 Resp: 2299139

Ion Ratio Lower Upper

168 100

139 38.4 31.6 47.4

169 13.7 11.0 16.6



#56

4-Nitrophenol

Concen: 124.737 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.012 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

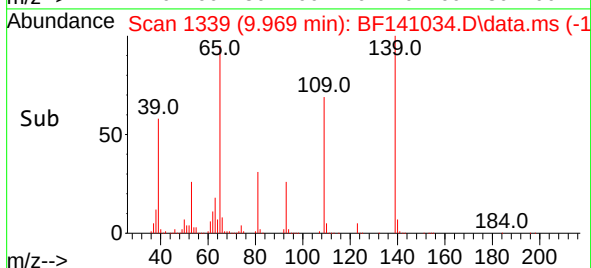
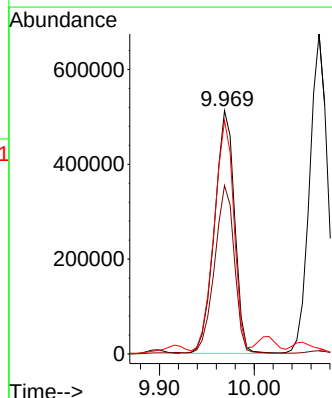
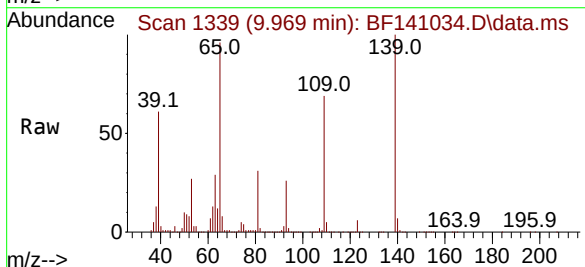
Tgt Ion:139 Resp: 750997

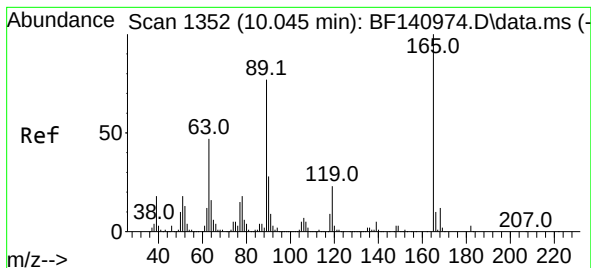
Ion Ratio Lower Upper

139 100

109 69.3 50.8 90.8

65 96.0 78.5 118.5

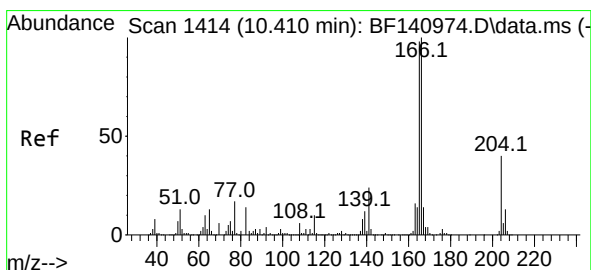
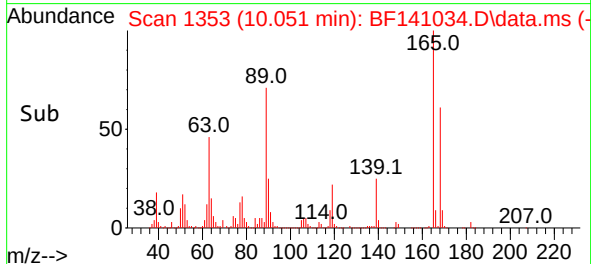
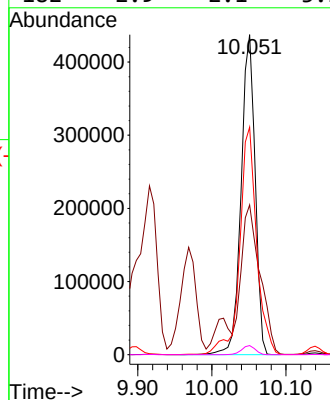
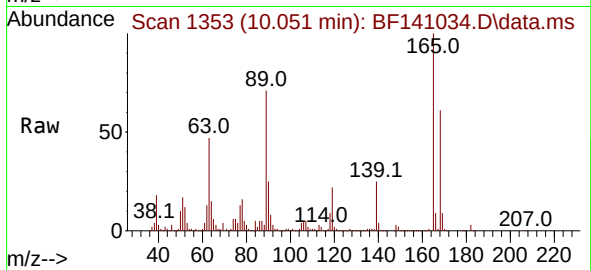




#57
2,4-Dinitrotoluene
Concen: 63.701 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

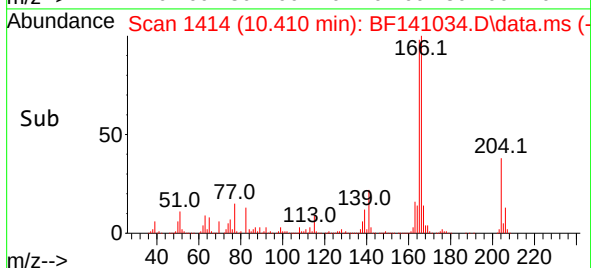
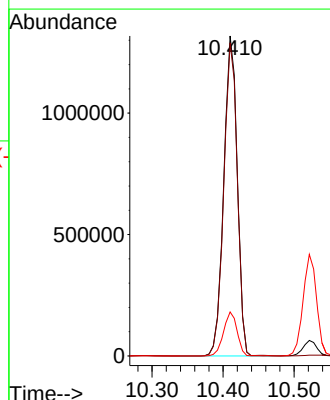
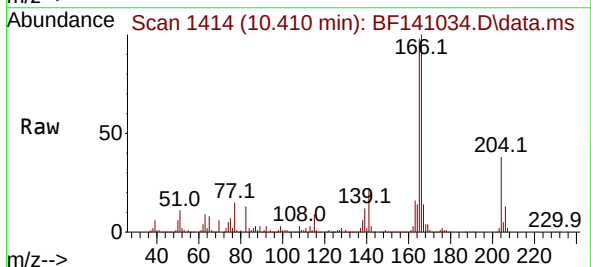
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

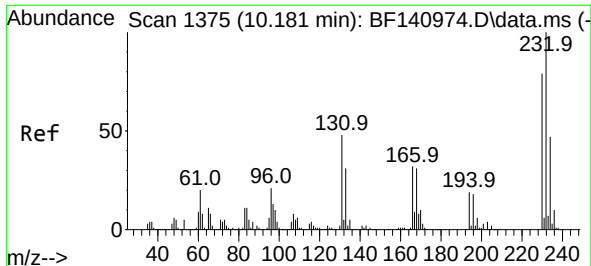
Tgt Ion:165 Resp: 573777
Ion Ratio Lower Upper
165 100
63 46.8 38.1 57.1
89 71.1 61.4 92.2
182 2.9 2.1 3.1



#58
Fluorene
Concen: 51.418 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:166 Resp: 1732833
Ion Ratio Lower Upper
166 100
165 97.9 78.3 117.5
167 13.8 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 59.715 ng

RT: 10.180 min Scan# 1375

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:232 Resp: 495788

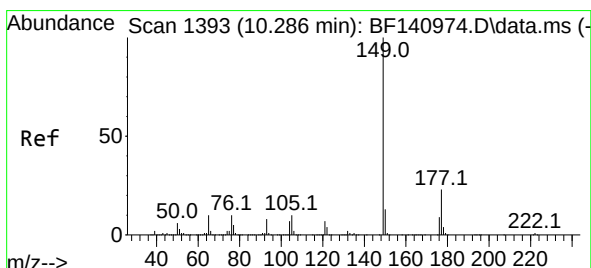
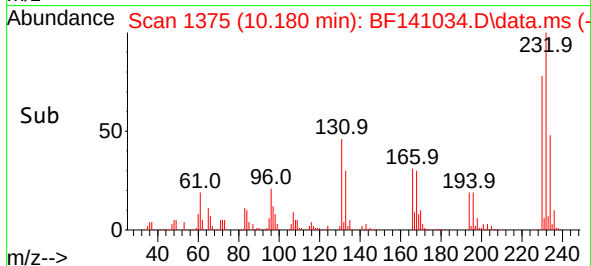
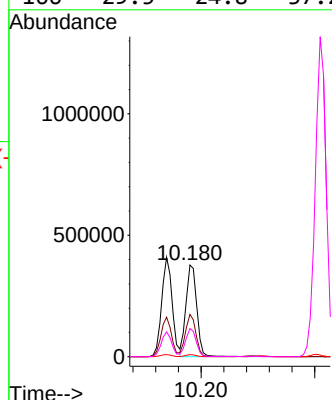
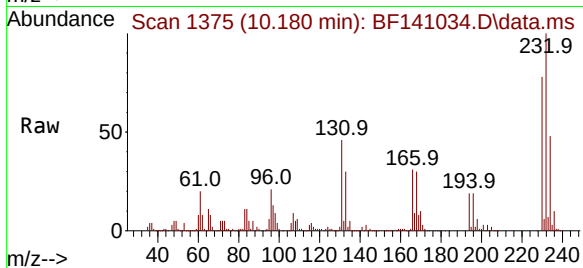
Ion Ratio Lower Upper

232 100

131 45.4 37.4 56.2

130 2.1 1.8 2.8

166 29.5 24.8 37.2



#60

Diethylphthalate

Concen: 53.241 ng

RT: 10.286 min Scan# 1393

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

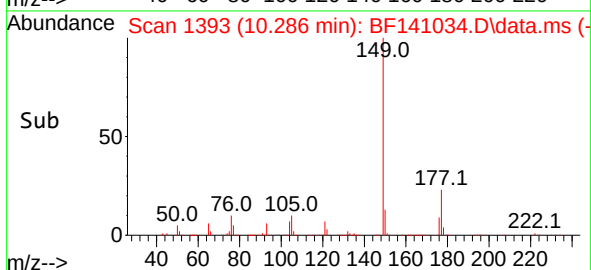
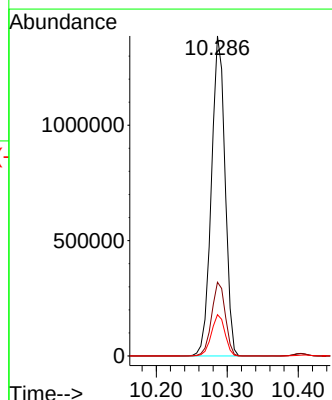
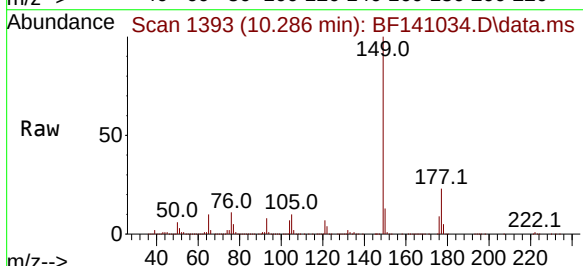
Tgt Ion:149 Resp: 1849974

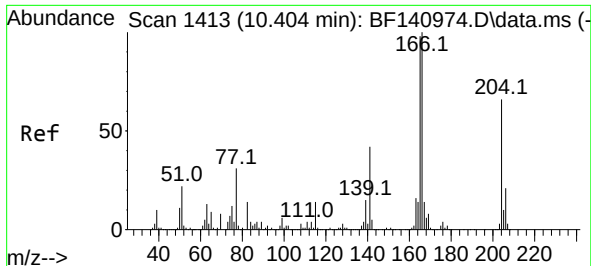
Ion Ratio Lower Upper

149 100

177 23.1 18.3 27.5

150 12.9 10.4 15.6

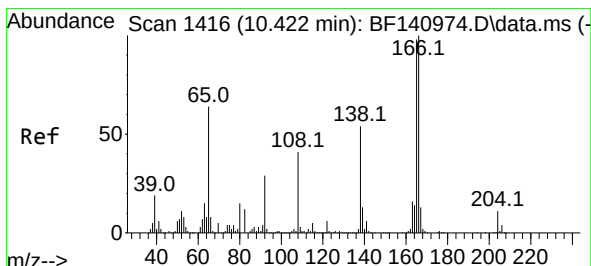
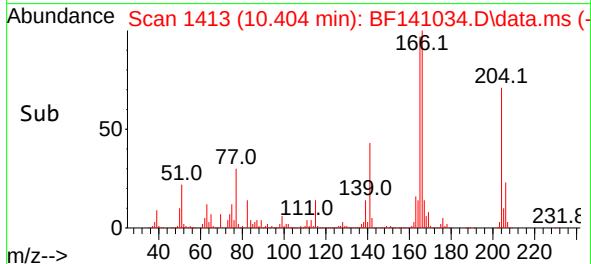
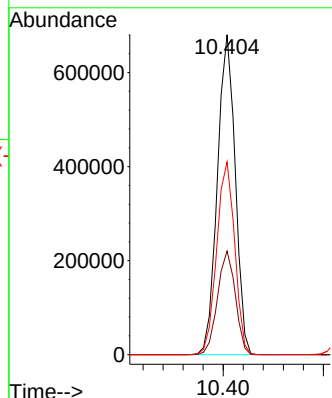
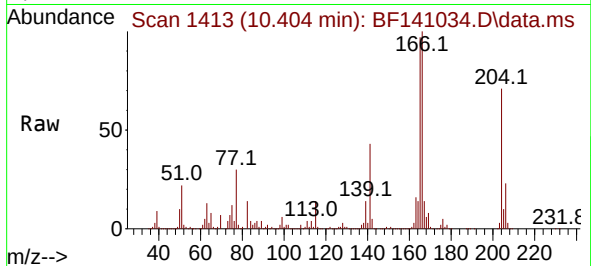




#61
4-Chlorophenyl-phenylether
Concen: 51.691 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

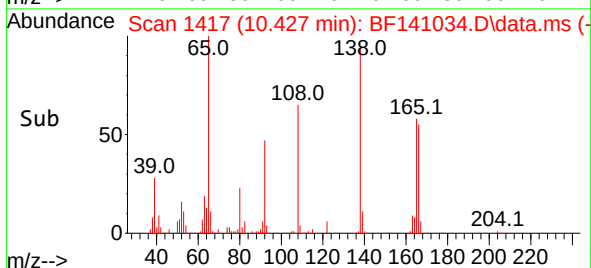
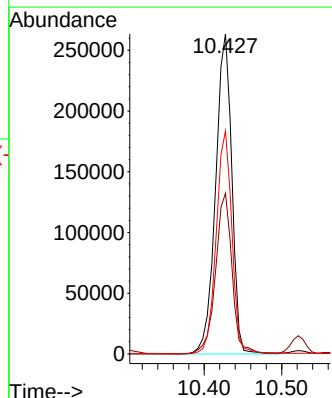
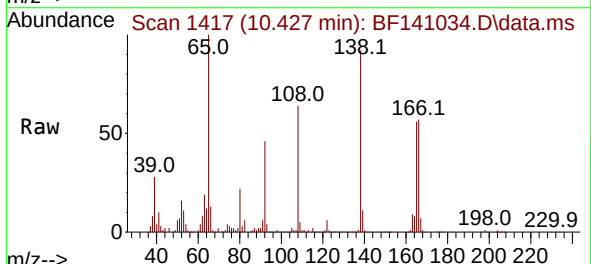
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

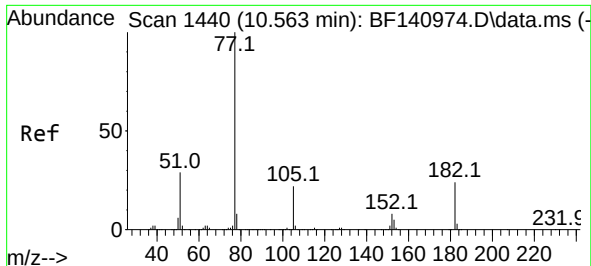
Tgt Ion:204 Resp: 838233
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.6
141 60.3 51.2 76.8



#62
4-Nitroaniline
Concen: 49.102 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.005 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:138 Resp: 383554
Ion Ratio Lower Upper
138 100
92 50.2 34.8 74.8
108 69.7 55.9 95.9



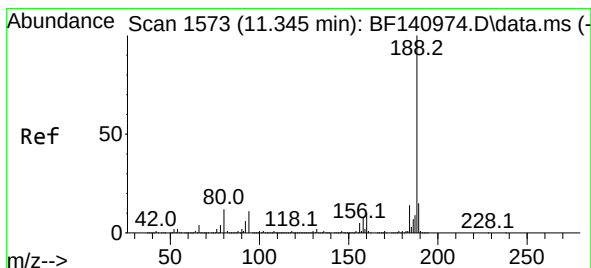
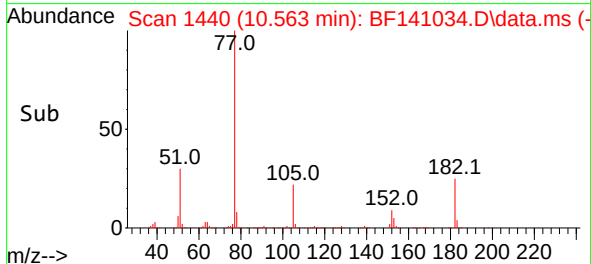
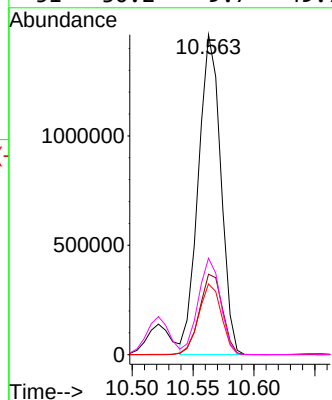
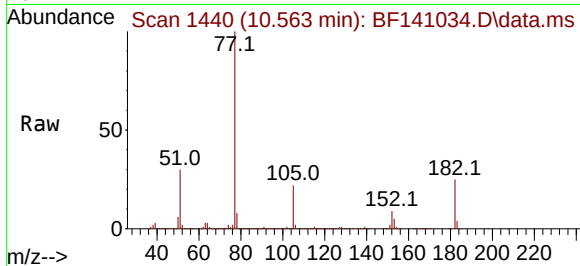


#63
Azobenzene
Concen: 51.392 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 77 Resp: 1874348

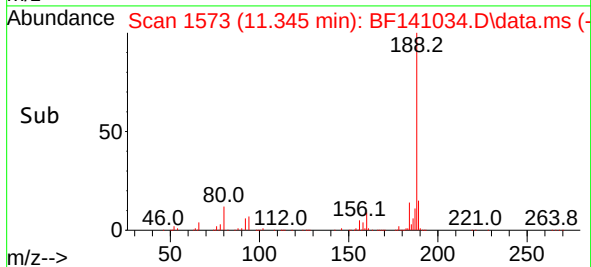
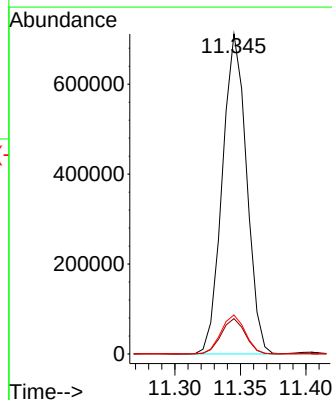
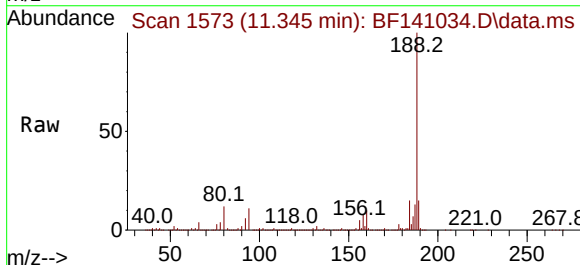
Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.1	44.1
105	22.1	1.8	41.8
51	30.2	9.7	49.7

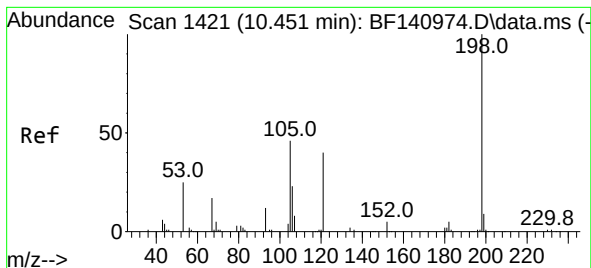


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion: 188 Resp: 915514

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	12.2	9.8	14.6

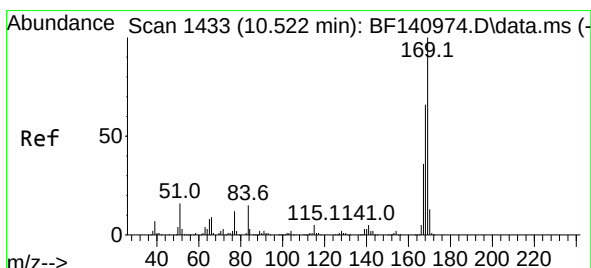
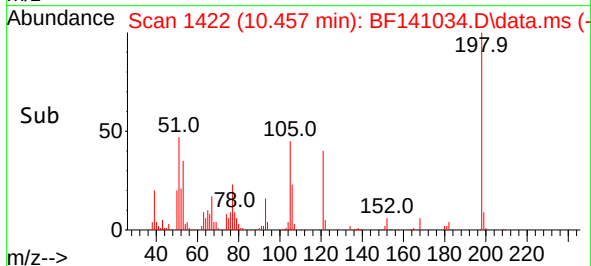
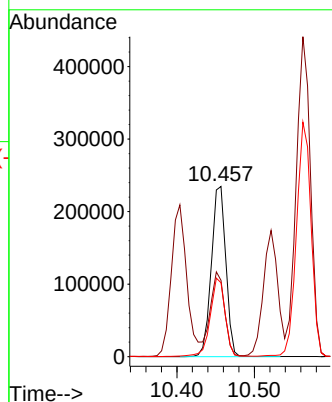
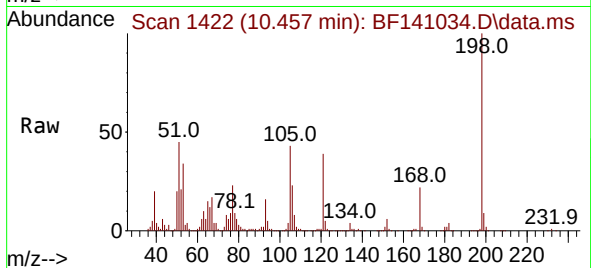




#65
4,6-Dinitro-2-methylphenol
Concen: 76.673 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

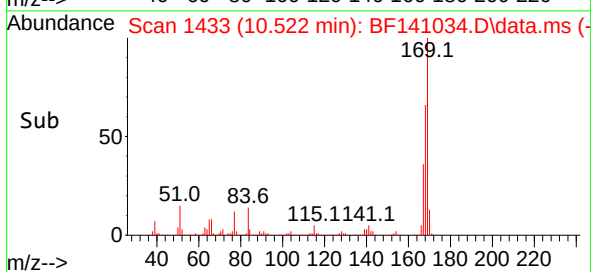
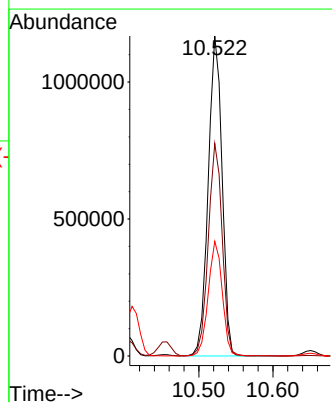
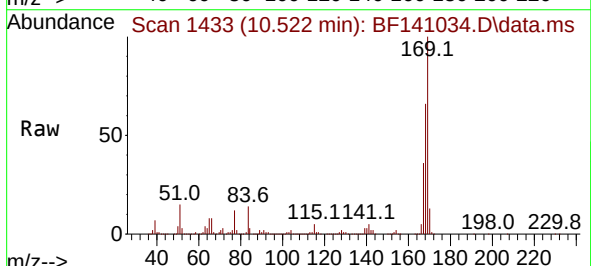
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

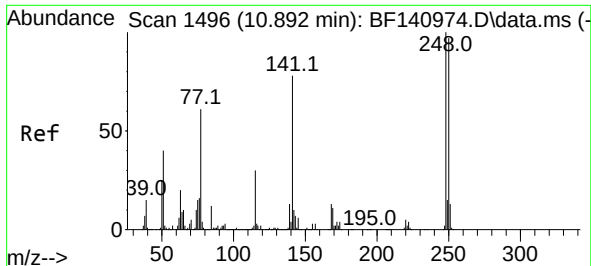
Tgt Ion:198 Resp: 305171
Ion Ratio Lower Upper
198 100
51 44.8 32.3 72.3
105 43.4 28.4 68.4



#66
n-Nitrosodiphenylamine
Concen: 52.668 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:169 Resp: 1518384
Ion Ratio Lower Upper
169 100
168 66.4 52.6 79.0
167 35.8 29.0 43.4

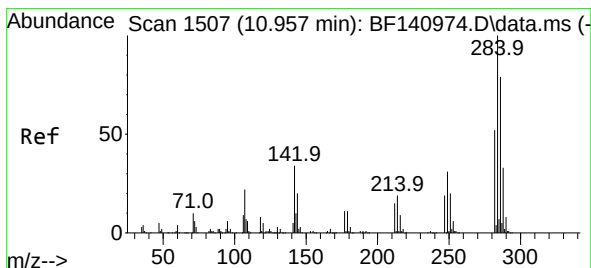
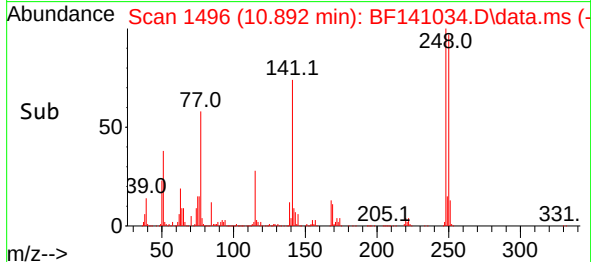
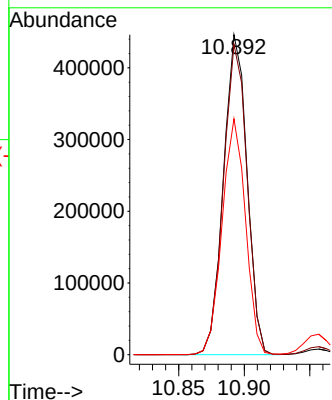
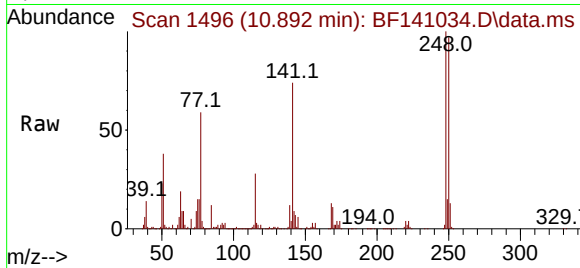




#67
4-Bromophenyl-phenylether
Concen: 56.401 ng
RT: 10.892 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

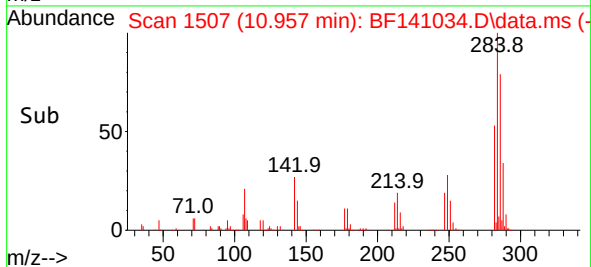
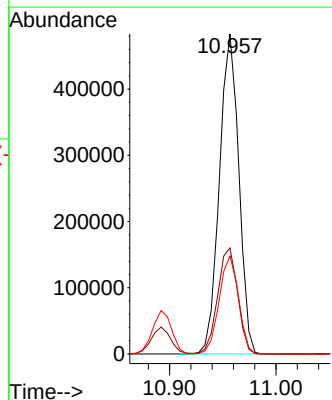
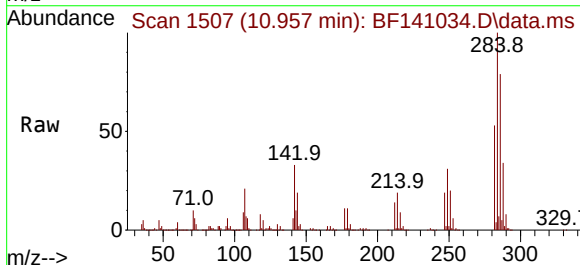
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

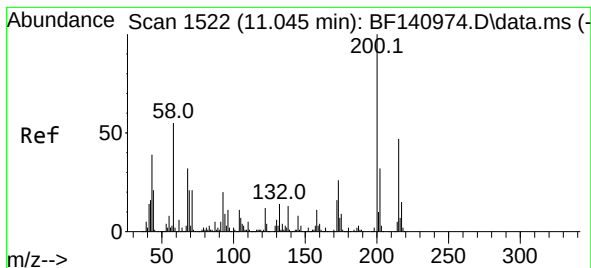
Tgt Ion:248 Resp: 558191
Ion Ratio Lower Upper
248 100
250 96.9 77.7 116.5
141 73.7 62.1 93.1



#68
Hexachlorobenzene
Concen: 55.883 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:284 Resp: 609841
Ion Ratio Lower Upper
284 100
142 33.1 27.1 40.7
249 30.7 25.1 37.7





#69

Atrazine

Concen: 45.534 ng

RT: 11.045 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

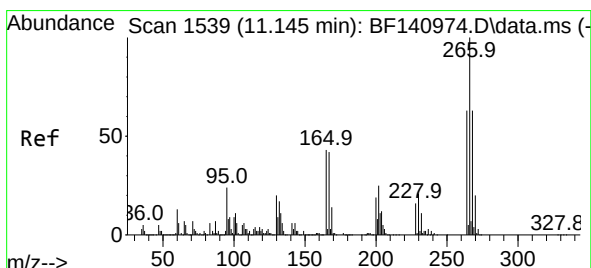
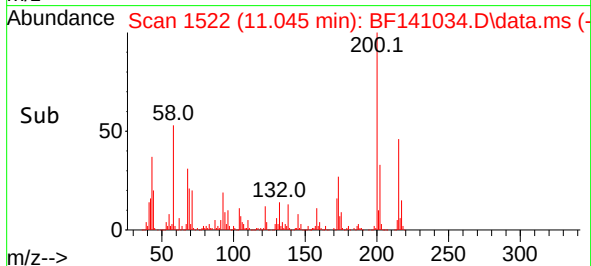
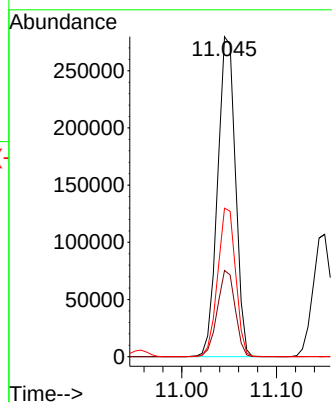
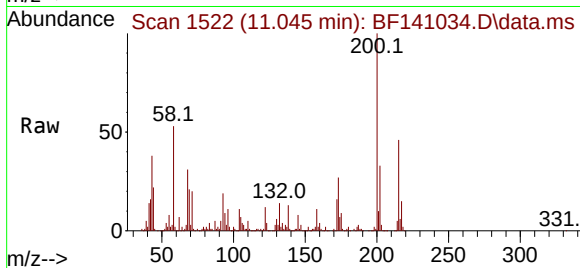
Tgt Ion:200 Resp: 366734

Ion Ratio Lower Upper

200 100

173 26.9 6.4 46.4

215 46.4 27.2 67.2



#70

Pentachlorophenol

Concen: 115.972 ng

RT: 11.151 min Scan# 1540

Delta R.T. 0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

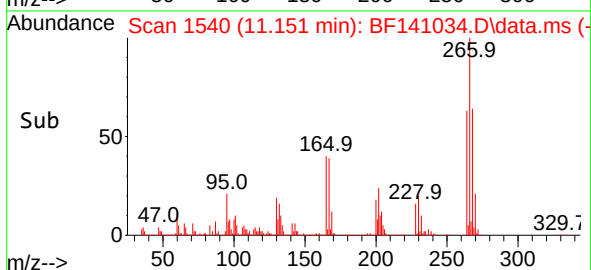
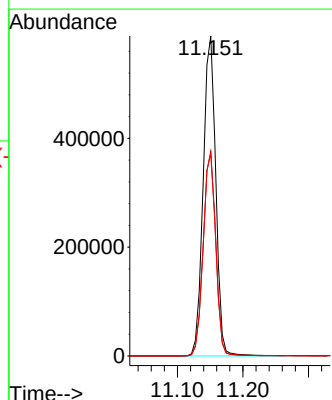
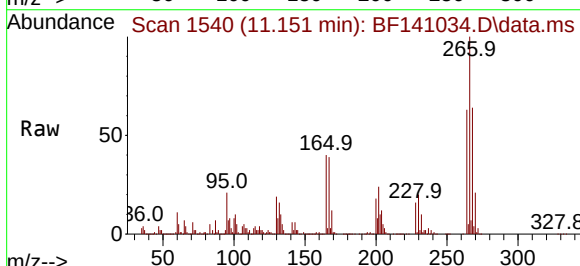
Tgt Ion:266 Resp: 787962

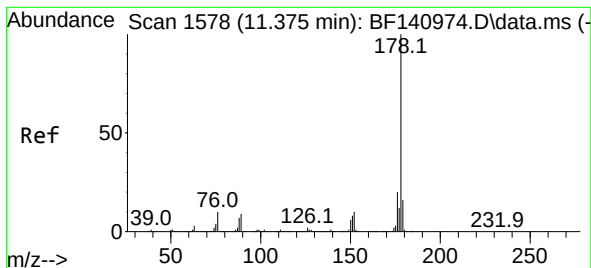
Ion Ratio Lower Upper

266 100

268 63.9 50.5 75.7

264 63.4 50.2 75.4





#71

Phenanthrene

Concen: 54.668 ng

RT: 11.374 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

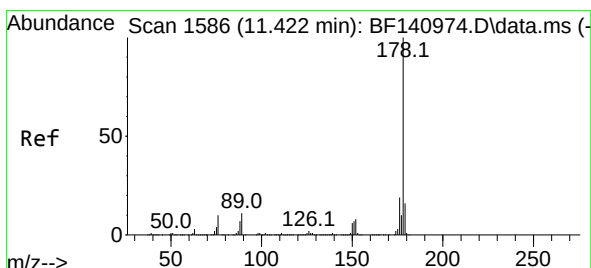
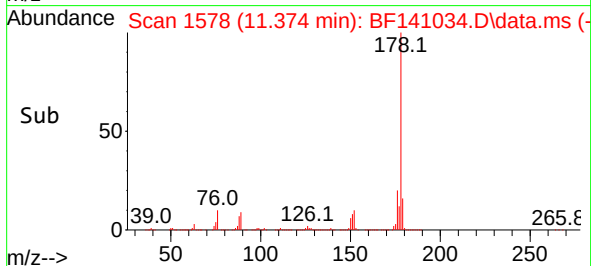
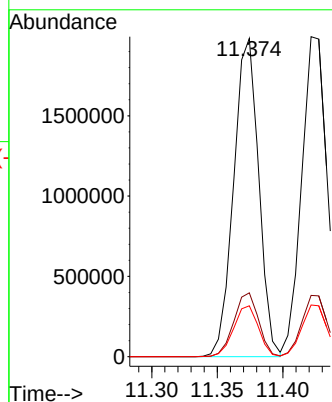
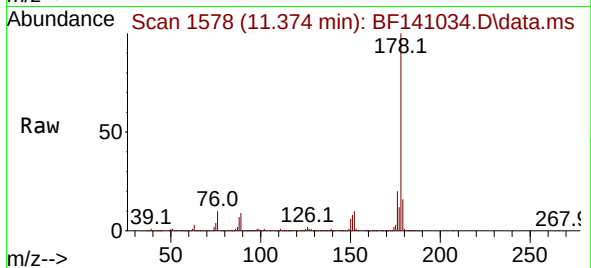
Tgt Ion:178 Resp: 2634158

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.6

179 16.0 12.6 19.0



#72

Anthracene

Concen: 56.304 ng

RT: 11.421 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

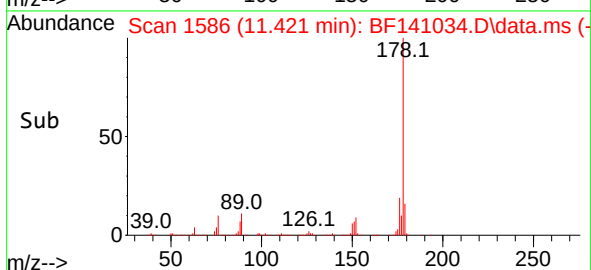
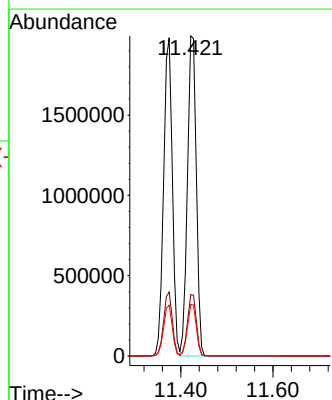
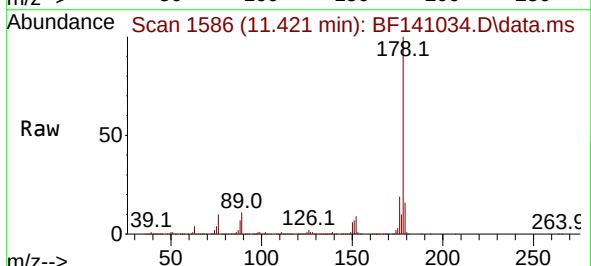
Tgt Ion:178 Resp: 2658388

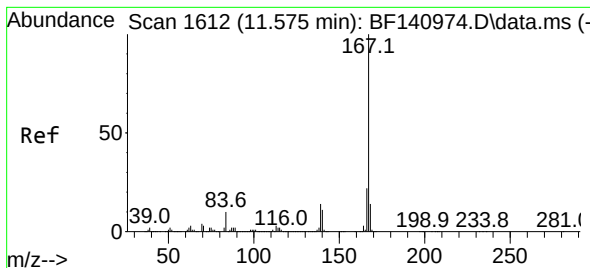
Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 16.1 12.9 19.3





#73

Carbazole

Concen: 51.009 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

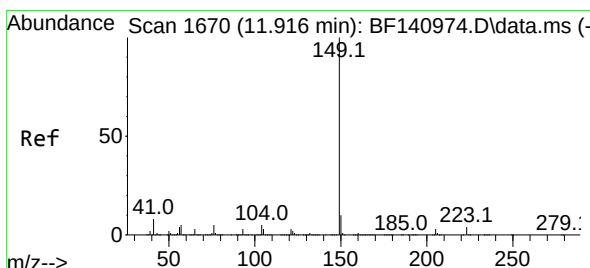
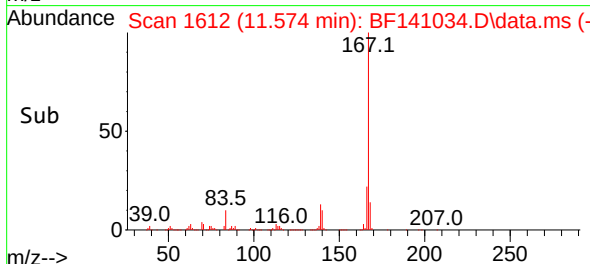
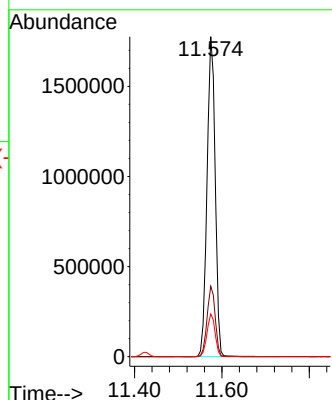
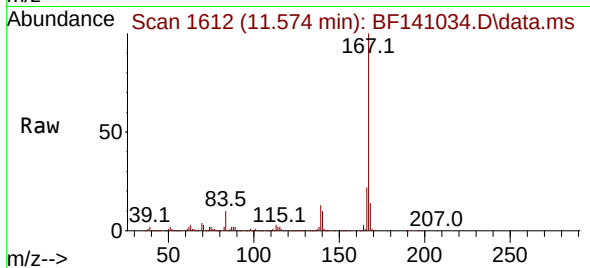
Tgt Ion:167 Resp: 2315230

Ion Ratio Lower Upper

167 100

166 22.0 17.5 26.3

139 13.4 11.0 16.4



#74

Di-n-butylphthalate

Concen: 54.878 ng

RT: 11.910 min Scan# 1669

Delta R.T. -0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

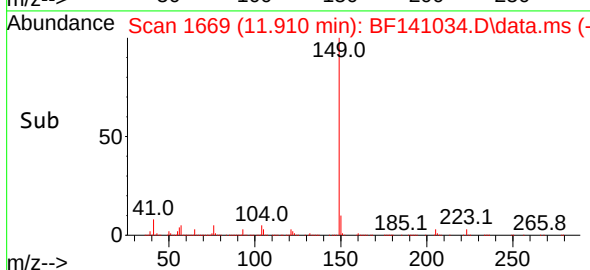
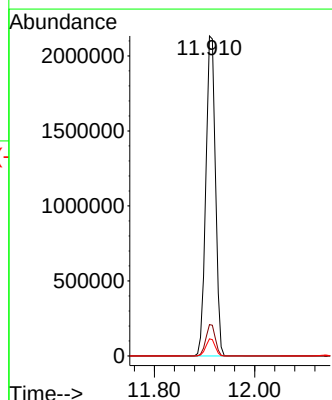
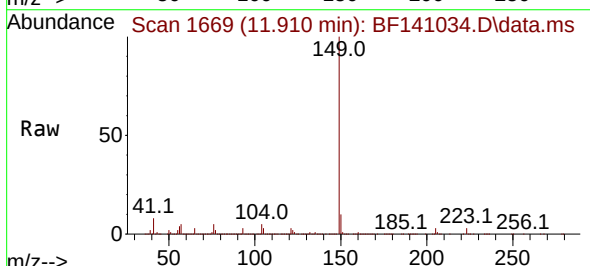
Tgt Ion:149 Resp: 2833087

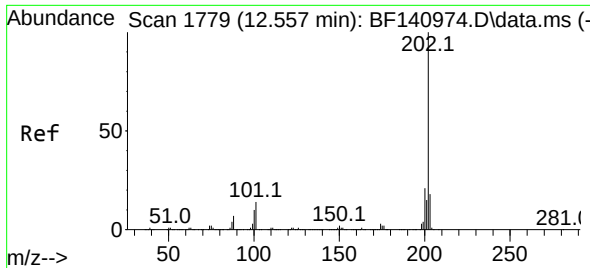
Ion Ratio Lower Upper

149 100

150 9.8 7.7 11.5

104 5.3 4.1 6.1

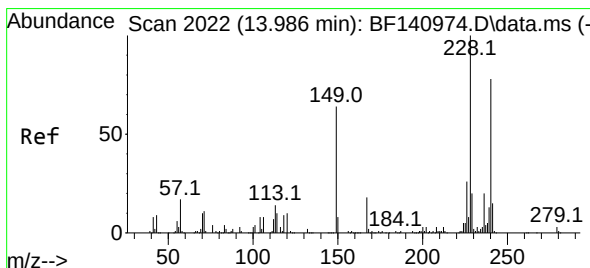
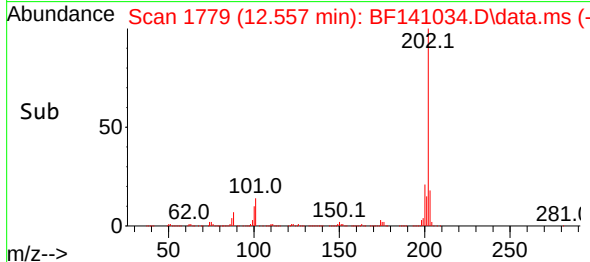
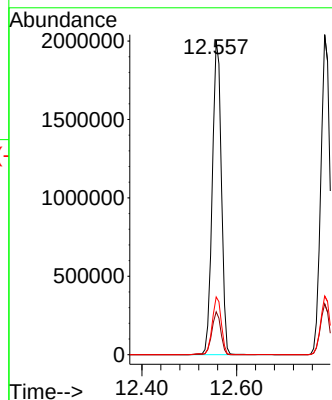
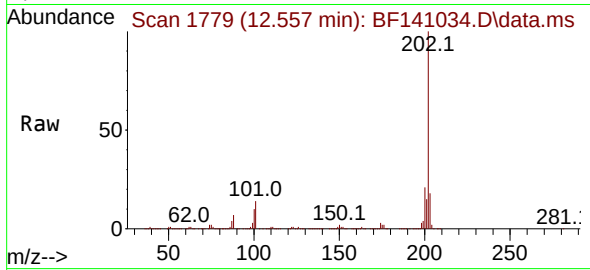




#75
Fluoranthene
Concen: 51.039 ng
RT: 12.557 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

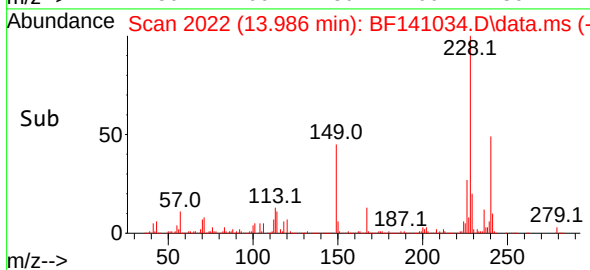
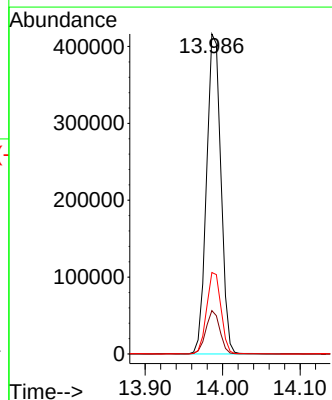
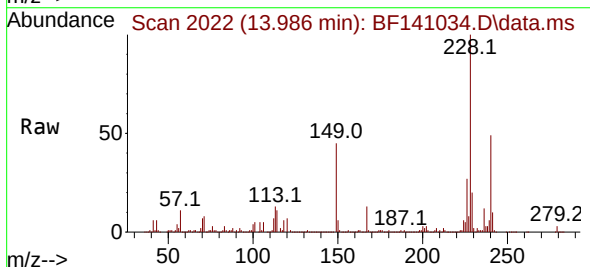
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

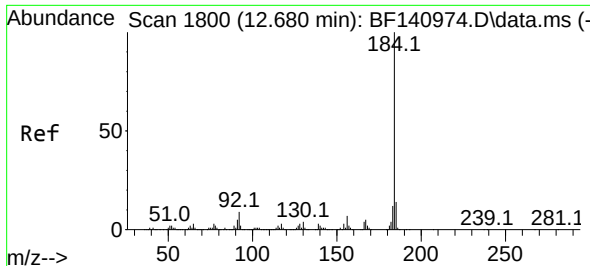
Tgt Ion:202 Resp: 2667228
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.7
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:240 Resp: 535605
Ion Ratio Lower Upper
240 100
120 13.6 10.7 16.1
236 25.4 20.6 31.0

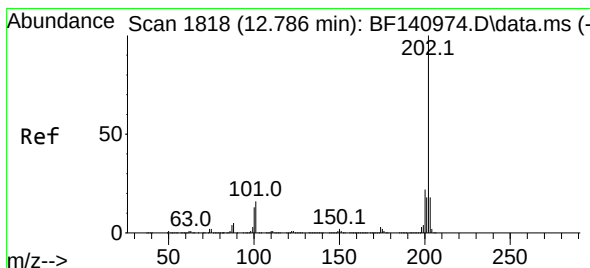
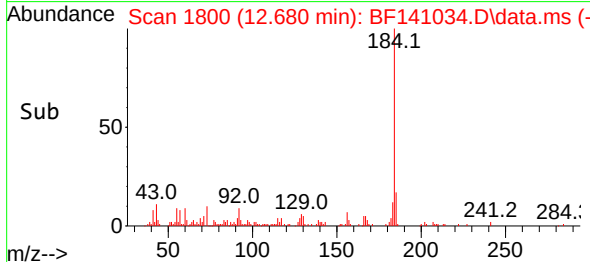
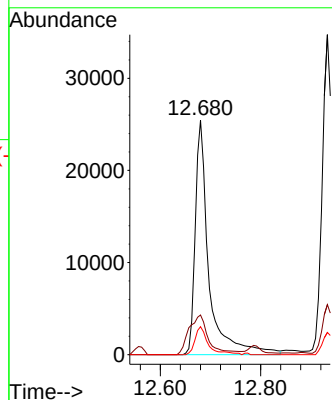
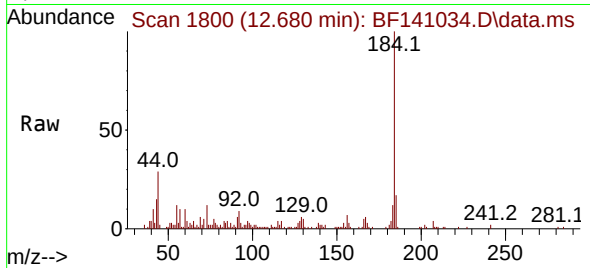




#77
Benzidine
Concen: 4.237 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

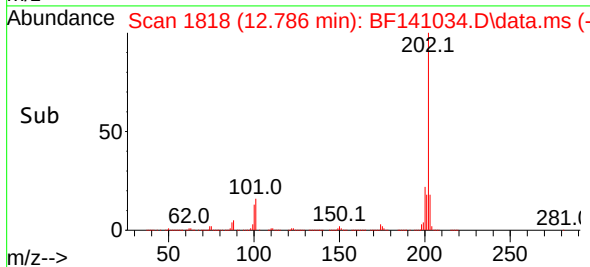
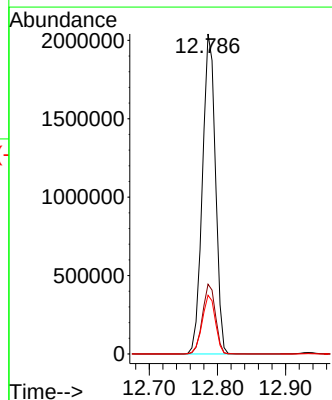
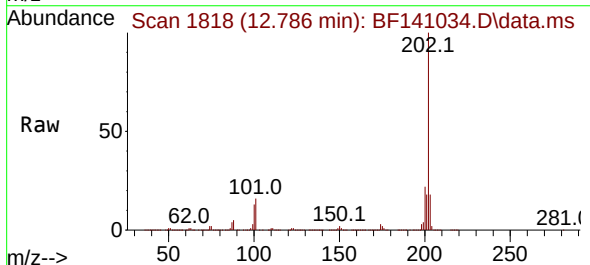
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

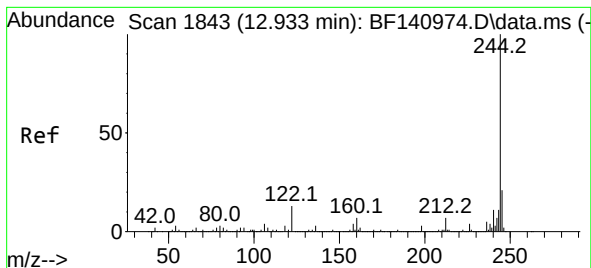
Tgt Ion:184 Resp: 47957
Ion Ratio Lower Upper
184 100
185 16.9 11.4 17.2
183 12.0 9.4 14.0



#78
Pyrene
Concen: 57.810 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:202 Resp: 2707978
Ion Ratio Lower Upper
202 100
200 21.8 17.3 25.9
203 18.4 14.6 21.8





#79

Terphenyl-d14

Concen: 112.723 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141034.D

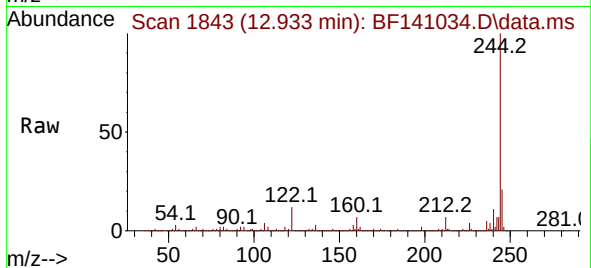
Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS



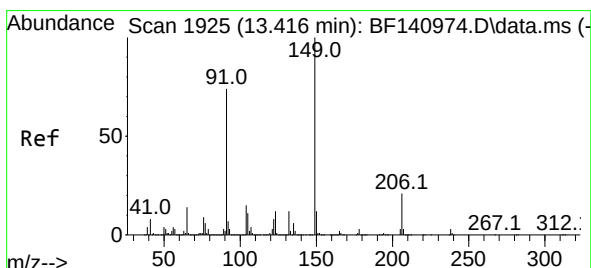
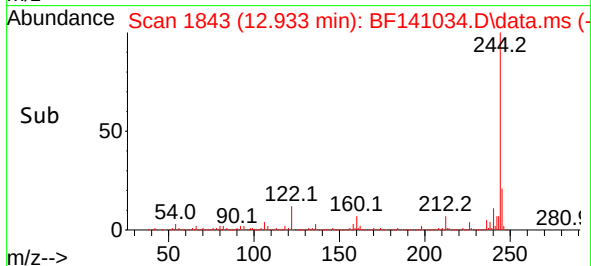
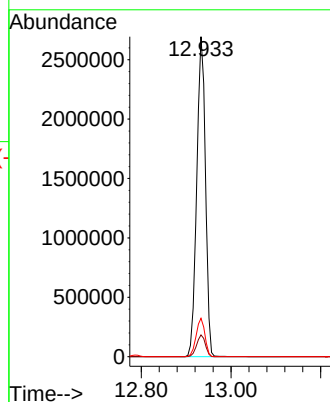
Tgt Ion:244 Resp: 3634857

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 12.0 10.2 15.2



#80

Butylbenzylphthalate

Concen: 63.783 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

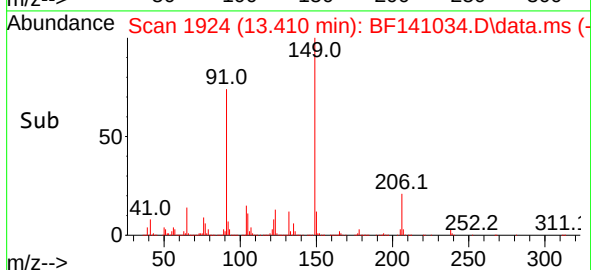
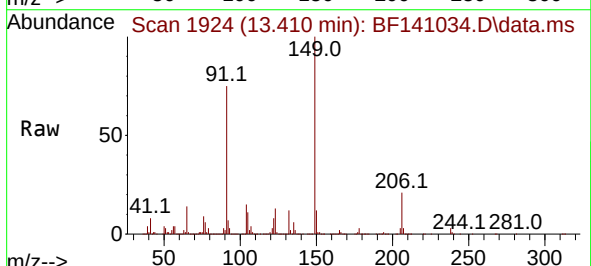
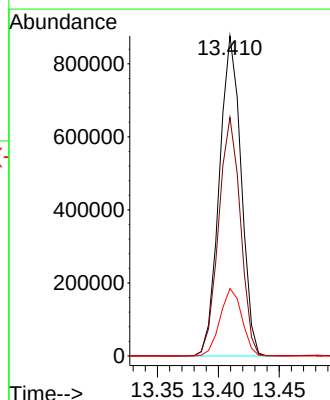
Tgt Ion:149 Resp: 1090992

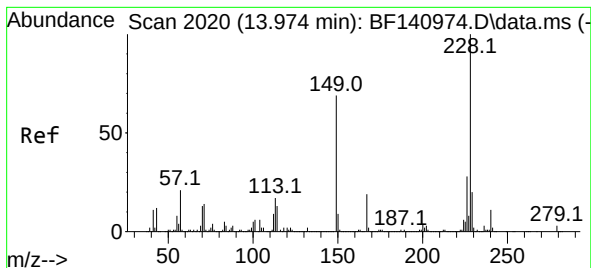
Ion Ratio Lower Upper

149 100

91 74.5 59.5 89.3

206 21.1 17.1 25.7





#81

Benzo(a)anthracene

Concen: 51.865 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

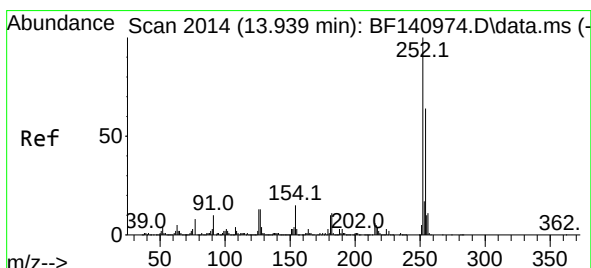
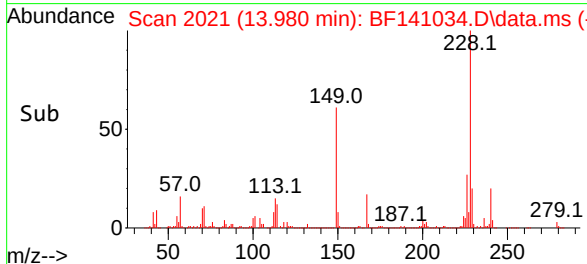
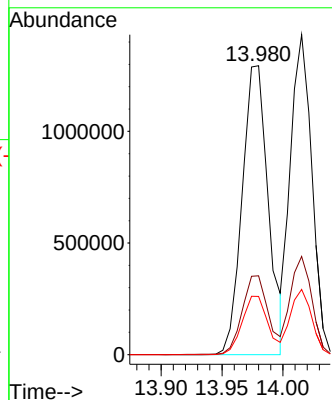
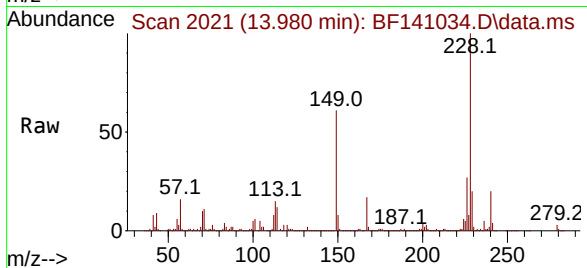
Tgt Ion:228 Resp: 1936059

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 20.1 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 12.974 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

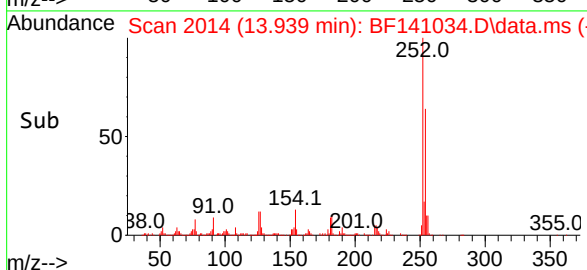
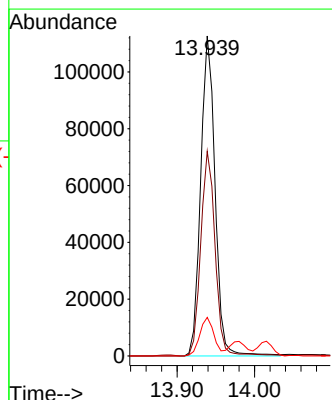
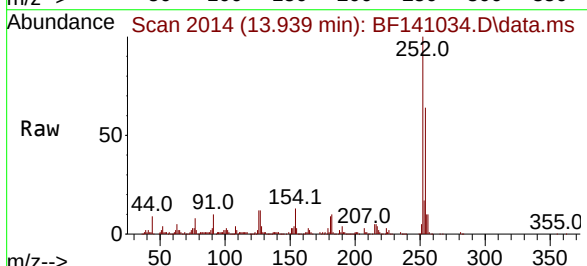
Tgt Ion:252 Resp: 145511

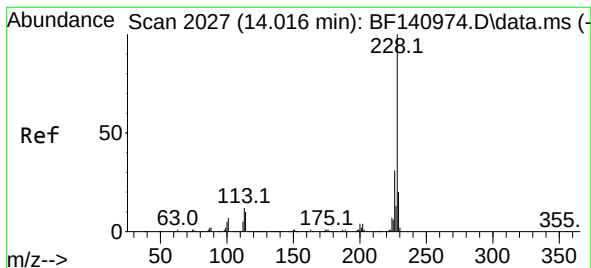
Ion Ratio Lower Upper

252 100

254 64.0 51.5 77.3

126 12.1 10.3 15.5





#83

Chrysene

Concen: 52.179 ng

RT: 14.015 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

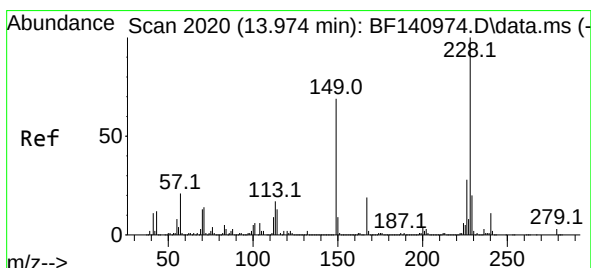
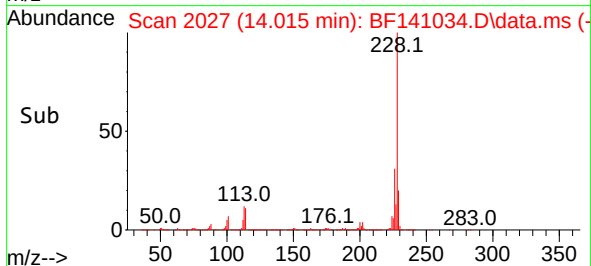
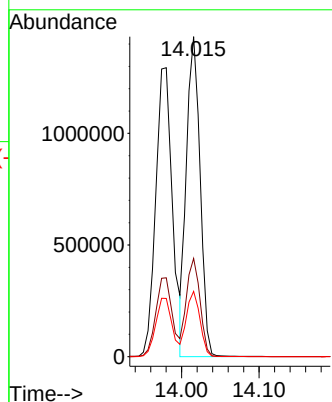
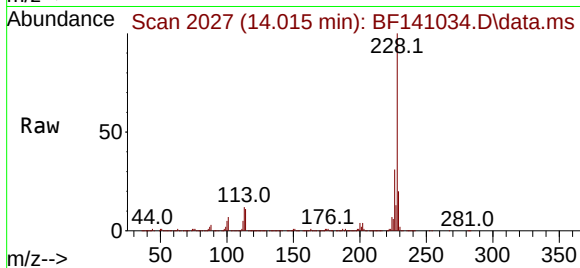
Tgt Ion:228 Resp: 1755860

Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

229 20.4 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.398 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

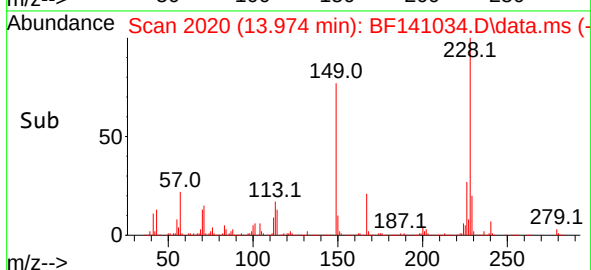
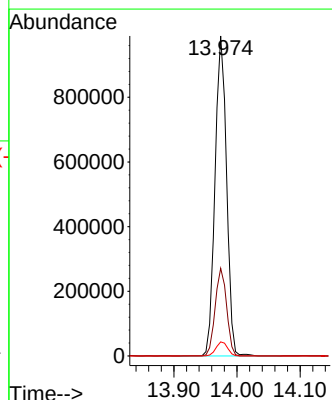
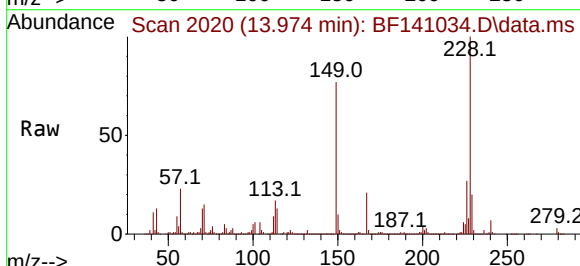
Tgt Ion:149 Resp: 1251314

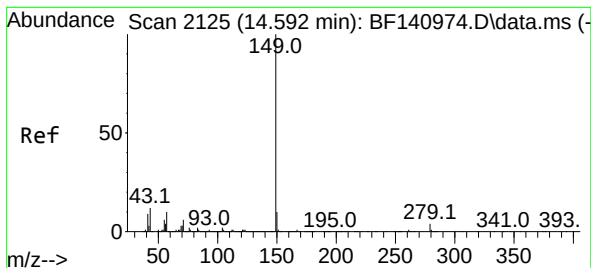
Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

279 4.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 55.680 ng

RT: 14.592 min Scan# 2125

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

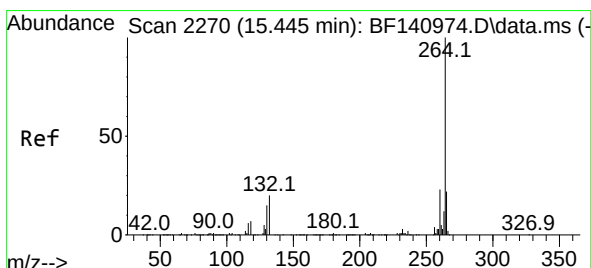
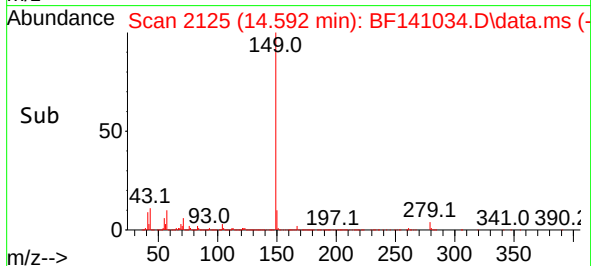
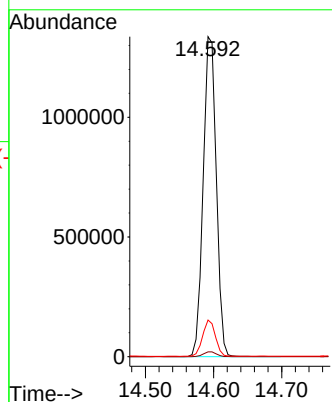
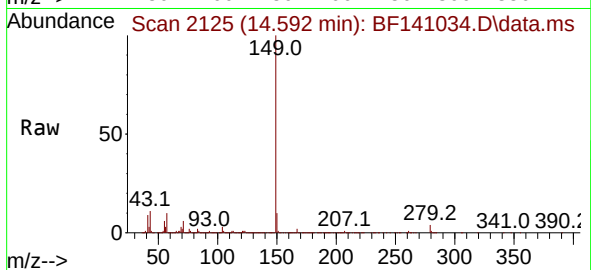
Tgt Ion:149 Resp: 1788037

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.0 9.3 13.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

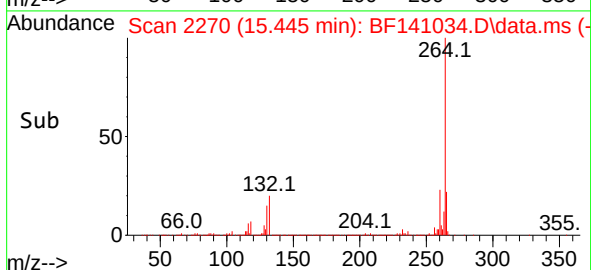
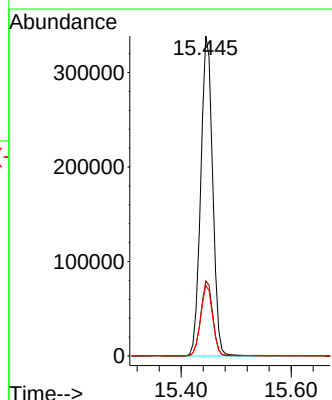
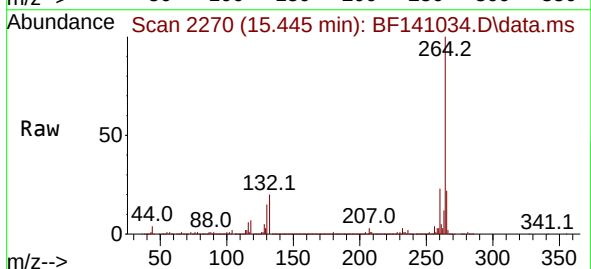
Tgt Ion:264 Resp: 510431

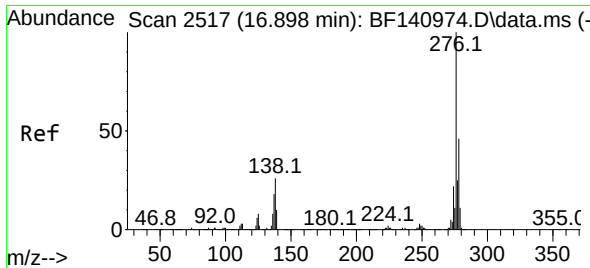
Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 22.0 17.4 26.2

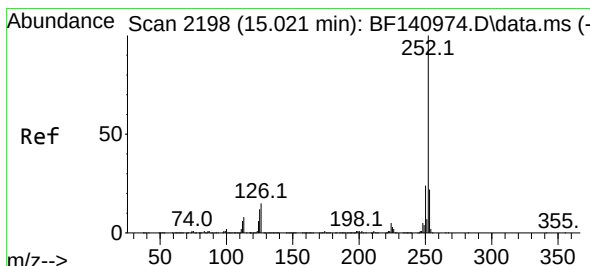
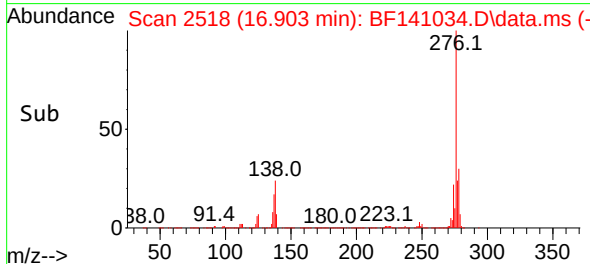
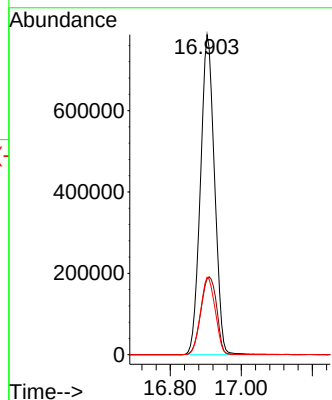
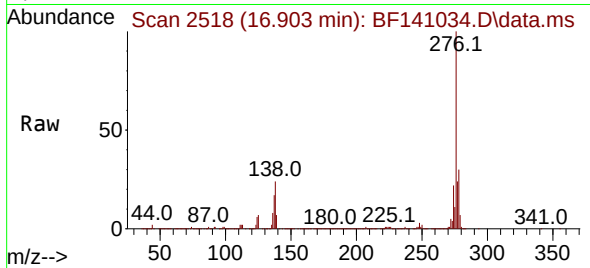




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 67.492 ng
 RT: 16.903 min Scan# 2199
 Delta R.T. 0.006 min
 Lab File: BF141034.D
 Acq: 30 Dec 2024 16:47

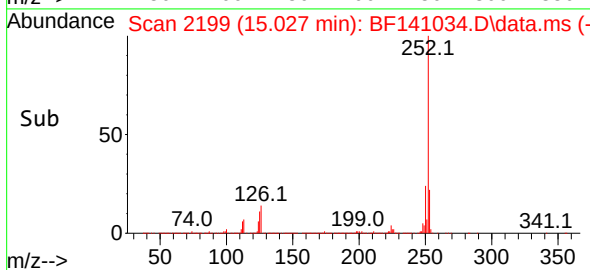
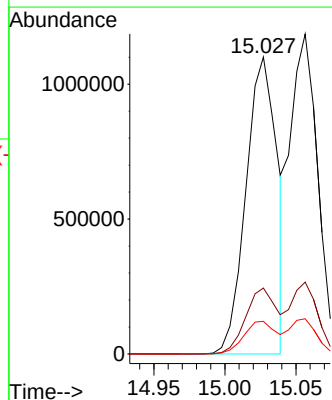
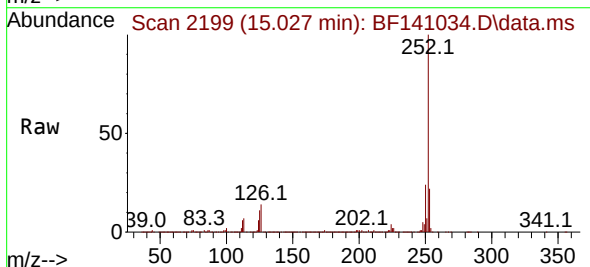
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MS

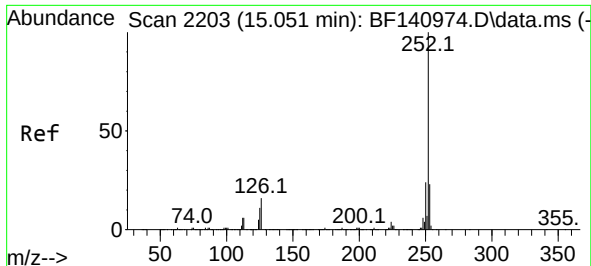
Tgt Ion:276 Resp: 2170410
 Ion Ratio Lower Upper
 276 100
 138 27.4 23.1 34.7
 277 25.3 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 46.913 ng
 RT: 15.027 min Scan# 2199
 Delta R.T. 0.006 min
 Lab File: BF141034.D
 Acq: 30 Dec 2024 16:47

Tgt Ion:252 Resp: 1670093
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.7 26.5
 125 11.0 9.3 13.9

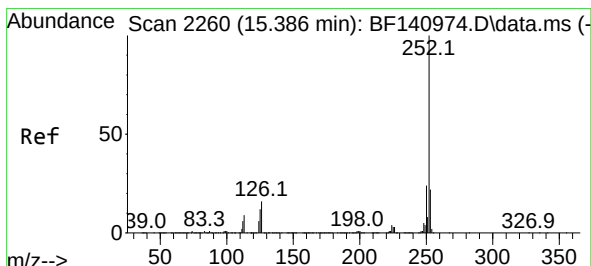
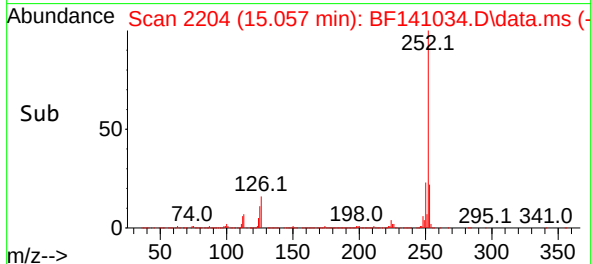
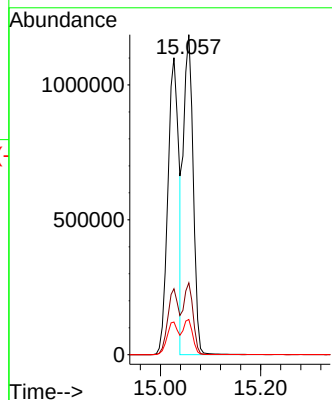
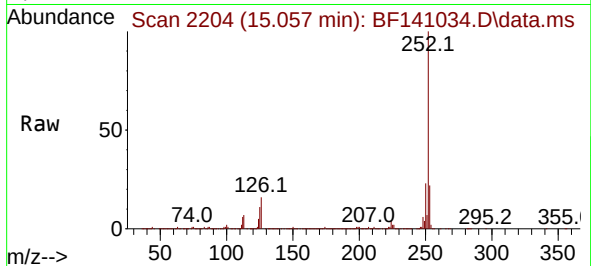




#89
Benzo(k)fluoranthene
Concen: 57.207 ng
RT: 15.057 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

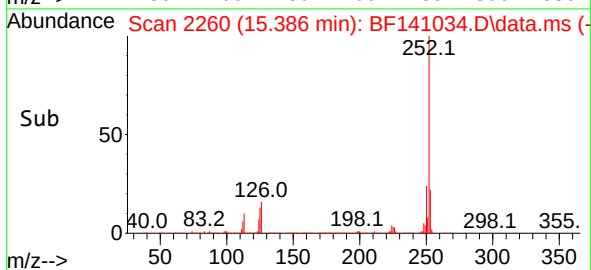
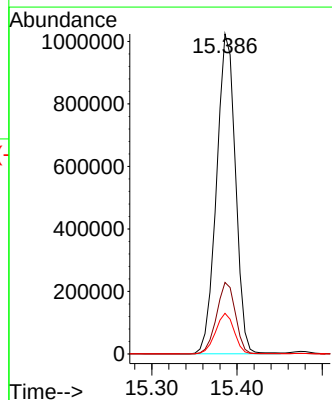
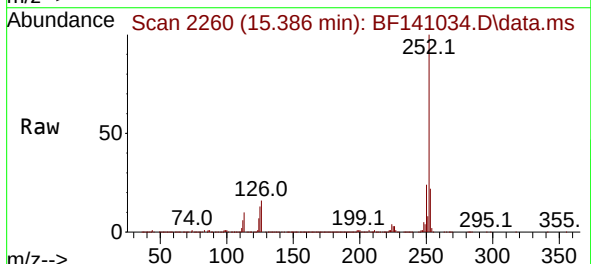
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

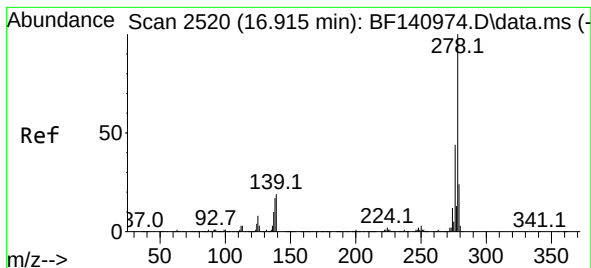
Tgt Ion:252 Resp: 1596160
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 11.0 9.4 14.0



#90
Benzo(a)pyrene
Concen: 57.207 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF141034.D
Acq: 30 Dec 2024 16:47

Tgt Ion:252 Resp: 1580713
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 12.7 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 67.059 ng

RT: 16.927 min Scan# 2522

Delta R.T. 0.012 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

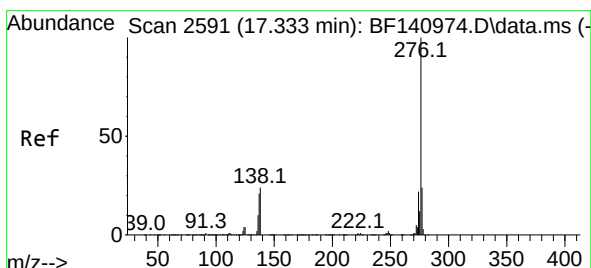
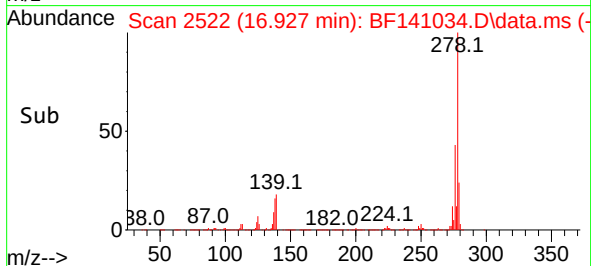
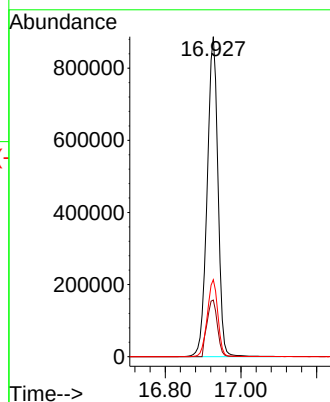
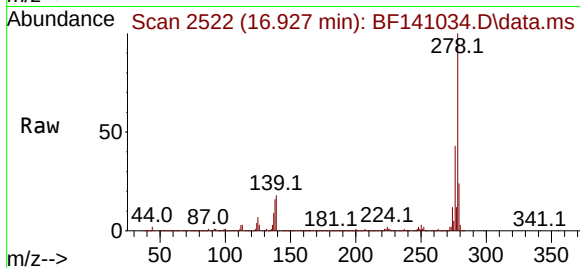
Tgt Ion:278 Resp: 1748071

Ion Ratio Lower Upper

278 100

139 17.7 14.9 22.3

279 24.0 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 60.383 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.012 min

Lab File: BF141034.D

Acq: 30 Dec 2024 16:47

Tgt Ion:276 Resp: 1632591

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 23.9 19.4 29.2

