

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
 Data File : BF141050.D
 Acq On : 31 Dec 2024 11:23
 Operator : RC/JU
 Sample : P5362-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MS

Quant Time: Dec 31 11:45:58 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	230352	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	918976	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	496643	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	836009	20.000	ng	0.00
76) Chrysene-d12	13.986	240	393323	20.000	ng	0.00
86) Perylene-d12	15.445	264	476566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	2262446	148.050	ng	0.02
7) Phenol-d6	6.457	99	2830397	143.777	ng	0.00
23) Nitrobenzene-d5	7.393	82	1871617	130.300	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	914930	189.587	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	3229458	103.602	ng	0.00
79) Terphenyl-d14	12.933	244	2975359	125.649	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.758	88	310180	44.833	ng	# 84
3) Pyridine	3.463	79	522650	30.912	ng	99
4) n-Nitrosodimethylamine	3.399	42	408779	47.717	ng	99
6) Aniline	6.493	93	315670	17.980	ng	95
8) 2-Chlorophenol	6.616	128	877019	54.434	ng	96
9) Benzaldehyde	6.381	77	14290	Below Cal		97
10) Phenol	6.475	94	1004742	49.359	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	807414	49.124	ng	98
12) 1,3-Dichlorobenzene	6.769	146	862839	48.526	ng	100
13) 1,4-Dichlorobenzene	6.846	146	876168	48.881	ng	99
14) 1,2-Dichlorobenzene	6.998	146	838846	50.193	ng	99
15) Benzyl Alcohol	6.969	79	723992	51.178	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1261181	50.739	ng	99
17) 2-Methylphenol	7.081	107	704093	52.603	ng	99
18) Hexachloroethane	7.345	117	323278	50.770	ng	99
19) n-Nitroso-di-n-propyla...	7.245	70	617566	51.207	ng	99
20) 3+4-Methylphenols	7.234	107	859164	50.723	ng	# 86
22) Acetophenone	7.240	105	1121412	49.744	ng	97
24) Nitrobenzene	7.410	77	897277	55.904	ng	97
25) Isophorone	7.651	82	1646747	52.685	ng	99
26) 2-Nitrophenol	7.728	139	448067	65.898	ng	98
27) 2,4-Dimethylphenol	7.763	122	707452	61.930	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	1008599	50.930	ng	99
29) 2,4-Dichlorophenol	7.963	162	717237	55.360	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	721653	49.213	ng	100
31) Naphthalene	8.134	128	2395909	49.477	ng	100
32) Benzoic acid	7.875	122	539358	55.871	ng	97
33) 4-Chloroaniline	8.175	127	81811	4.670	ng	99
34) Hexachlorobutadiene	8.251	225	436407	50.482	ng	100
35) Caprolactam	8.545	113	124677	28.307	ng	94
36) 4-Chloro-3-methylphenol	8.657	107	776315	53.955	ng	99
37) 2-Methylnaphthalene	8.822	142	1605935	51.840	ng	99
38) 1-Methylnaphthalene	8.922	142	1495035	49.105	ng	100
40) 1,2,4,5-Tetrachloroben...	8.987	216	711829	52.098	ng	99
41) Hexachlorocyclopentadiene	8.975	237	853450	188.489	ng	100
43) 2,4,6-Trichlorophenol	9.098	196	520399	57.227	ng	99

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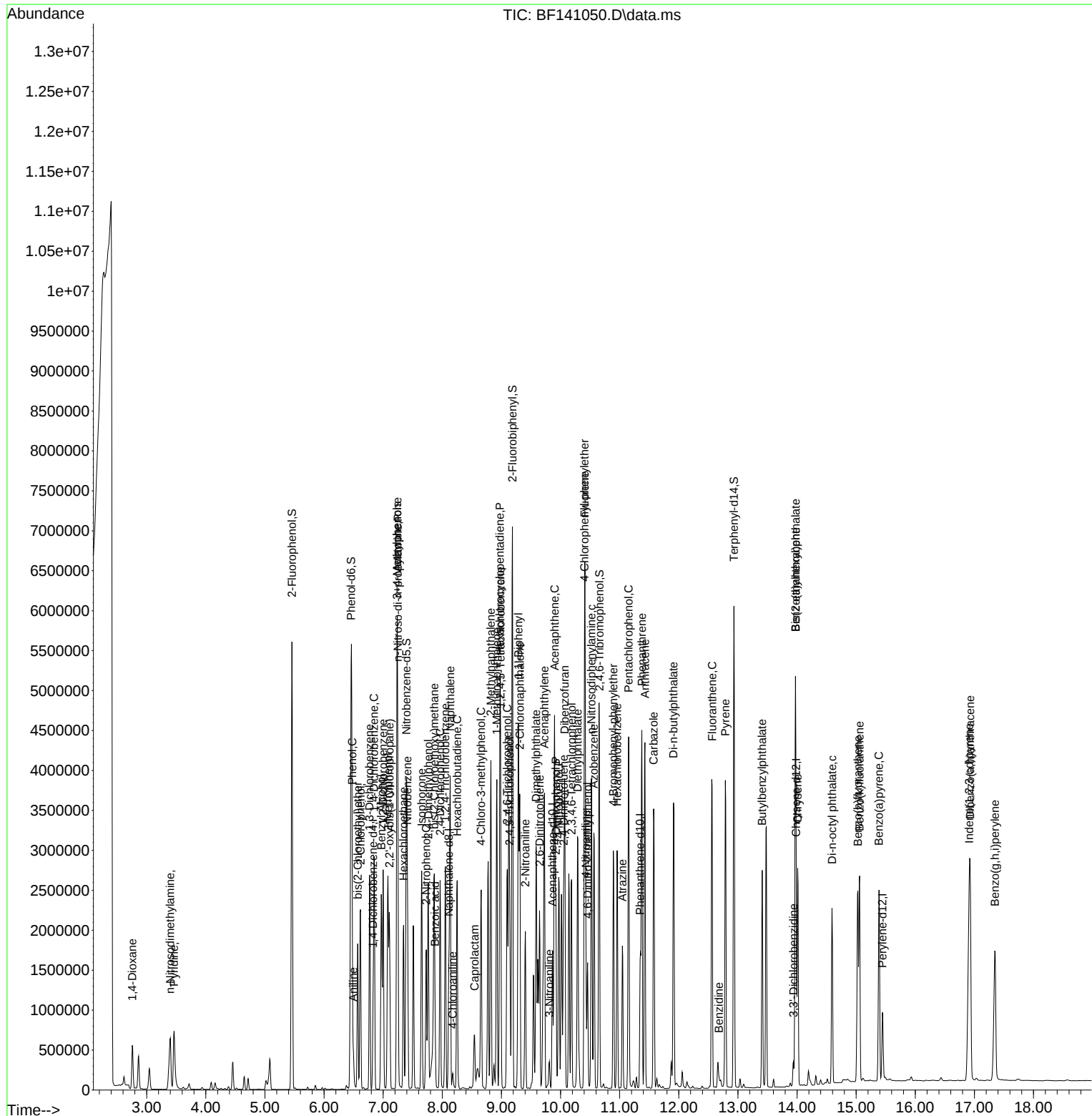
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	529687	56.928	ng	98
46) 1,1'-Biphenyl	9.287	154	1945296	51.155	ng	100
47) 2-Chloronaphthalene	9.310	162	1484568	50.336	ng	99
48) 2-Nitroaniline	9.404	65	468373	59.476	ng	93
49) Acenaphthylene	9.728	152	2307406	54.347	ng	99
50) Dimethylphthalate	9.586	163	1802824	55.187	ng	100
51) 2,6-Dinitrotoluene	9.645	165	409385	60.426	ng	96
52) Acenaphthene	9.898	154	1728479	60.220	ng	99
53) 3-Nitroaniline	9.810	138	75559	12.985	ng	# 94
54) 2,4-Dinitrophenol	9.922	184	451441	131.272	ng	# 1
55) Dibenzofuran	10.069	168	2117754	52.501	ng	99
56) 4-Nitrophenol	9.975	139	673553	120.535	ng	95
57) 2,4-Dinitrotoluene	10.051	165	553721	66.054	ng	94
58) Fluorene	10.410	166	1590906	50.861	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	465162	60.364	ng	98
60) Diethylphthalate	10.286	149	1737471	53.874	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	788959	52.419	ng	98
62) 4-Nitroaniline	10.428	138	337363	46.707	ng	93
63) Azobenzene	10.563	77	1728825	51.072	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	301414	82.168	ng	93
66) n-Nitrosodiphenylamine	10.522	169	1393151	52.920	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	527647	58.385	ng	99
68) Hexachlorobenzene	10.957	284	567260	56.924	ng	100
69) Atrazine	11.045	200	298407	40.574	ng	99
70) Pentachlorophenol	11.151	266	722306	116.419	ng	100
71) Phenanthrene	11.375	178	2365531	53.762	ng	100
72) Anthracene	11.428	178	2382942	55.270	ng	100
73) Carbazole	11.575	167	2027569	48.920	ng	100
74) Di-n-butylphthalate	11.910	149	2576813	54.661	ng	100
75) Fluoranthene	12.563	202	2256974	47.295	ng	98
77) Benzidine	12.680	184	57535	6.922	ng	# 93
78) Pyrene	12.786	202	2203962	64.070	ng	100
80) Butylbenzylphthalate	13.410	149	823945	65.596	ng	100
81) Benzo(a)anthracene	13.974	228	1381591	50.400	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	96417	11.707	ng	98
83) Chrysene	14.010	228	1341215	54.275	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	918706	56.385	ng	99
85) Di-n-octyl phthalate	14.592	149	1421857	60.294	ng	98
87) Indeno(1,2,3-cd)pyrene	16.910	276	2041908	68.008	ng	98
88) Benzo(b)fluoranthene	15.027	252	1533522	46.138	ng	99
89) Benzo(k)fluoranthene	15.057	252	1392896	53.469	ng	99
90) Benzo(a)pyrene	15.386	252	1474947	57.172	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	1657060	68.084	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1553299	61.533	ng	99

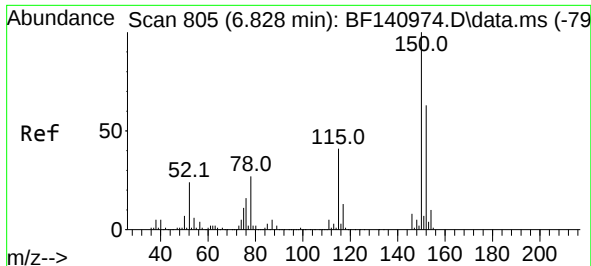
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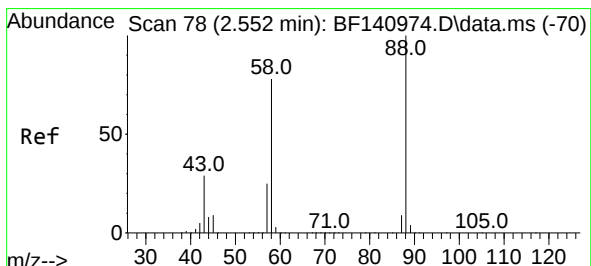
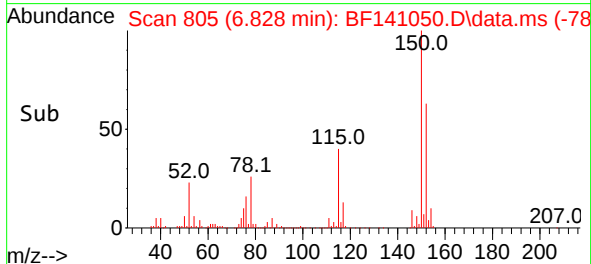
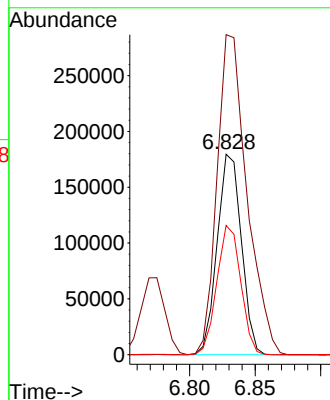
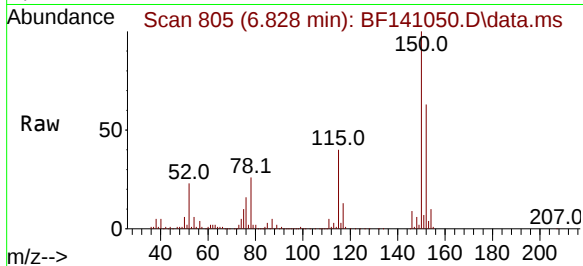




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

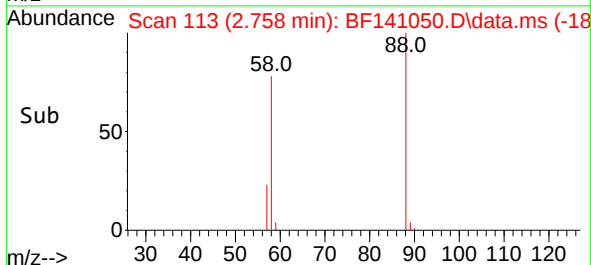
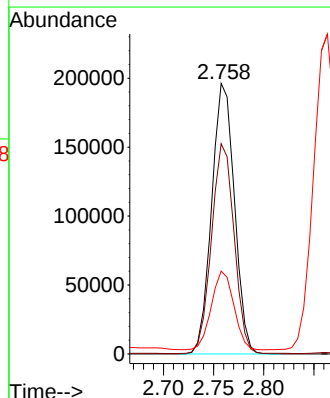
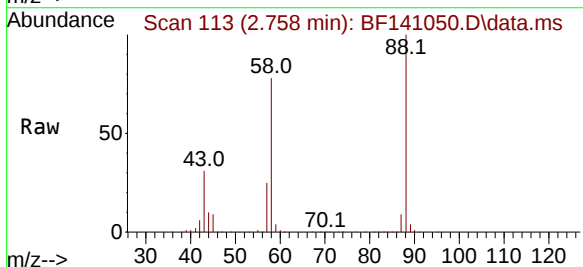
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ClientSampleId :
WC-SOIL-20241219MS

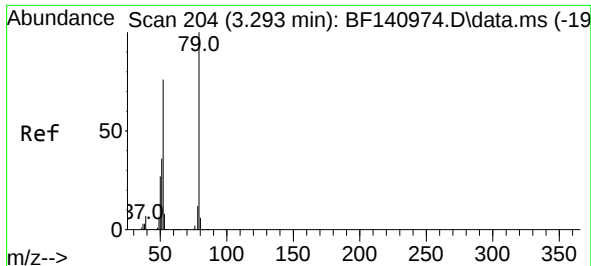
Tgt Ion:152 Resp: 230352
Ion Ratio Lower Upper
152 100
150 159.6 127.0 190.6
115 64.5 51.7 77.5



#2
1,4-Dioxane
Concen: 44.833 ng
RT: 2.758 min Scan# 113
Delta R.T. 0.206 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

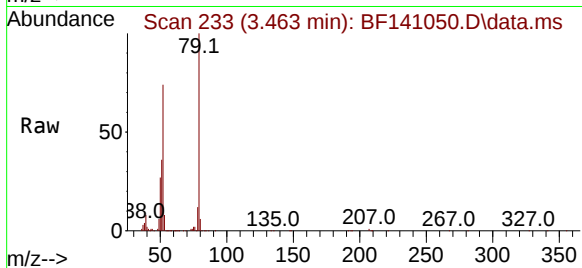
Tgt Ion: 88 Resp: 310180
Ion Ratio Lower Upper
88 100
58 76.9 63.0 94.4
43 0.0 23.4 35.2



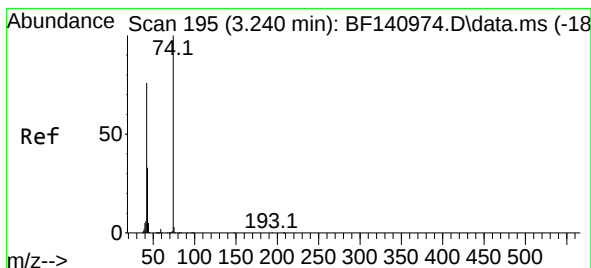
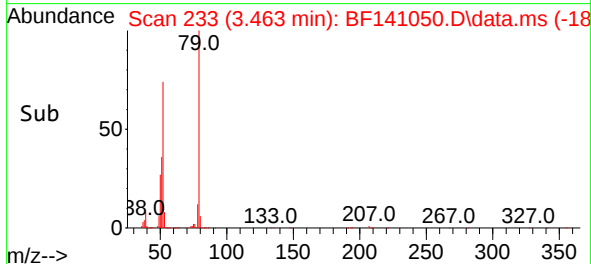
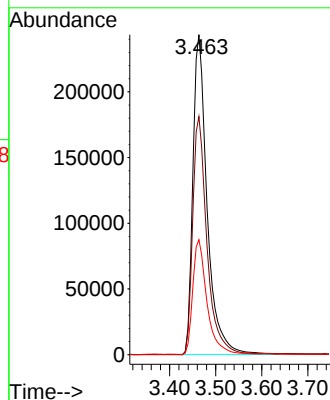


#3
Pyridine
Concen: 30.912 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.171 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

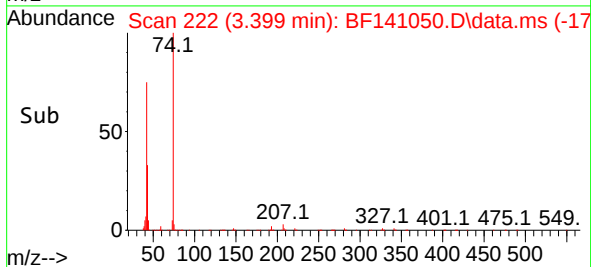
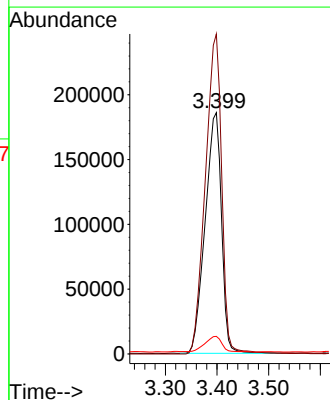
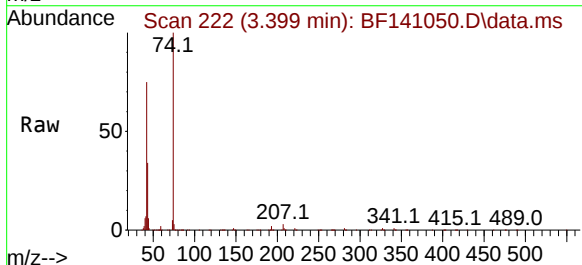


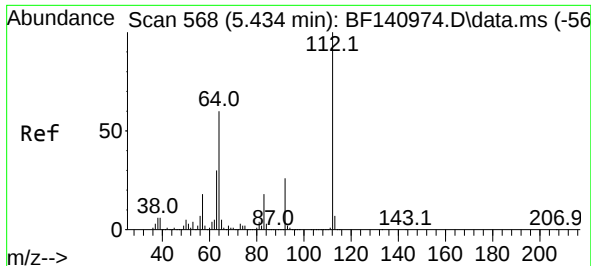
Tgt Ion: 79 Resp: 522650
Ion Ratio Lower Upper
79 100
52 74.4 60.4 90.6
51 35.9 28.8 43.2



#4
n-Nitrosodimethylamine
Concen: 47.717 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.159 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 42 Resp: 408779
Ion Ratio Lower Upper
42 100
74 132.7 105.8 158.6
44 7.3 6.6 10.0

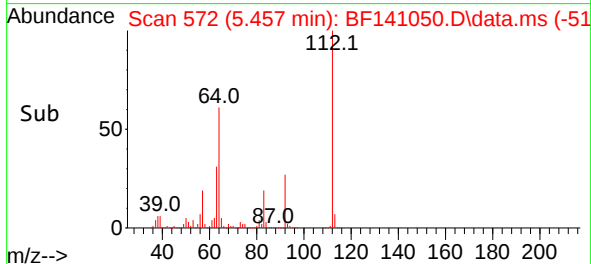
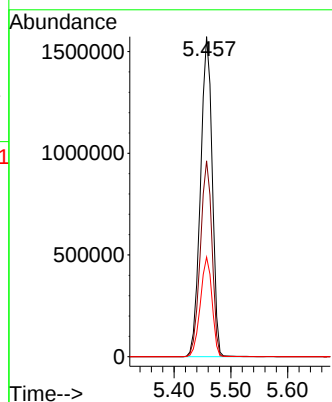
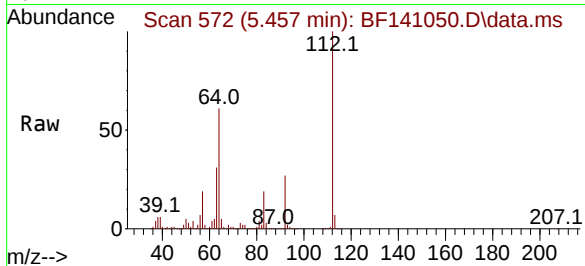




#5
2-Fluorophenol
Concen: 148.050 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

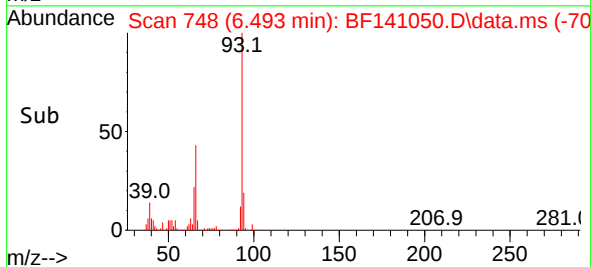
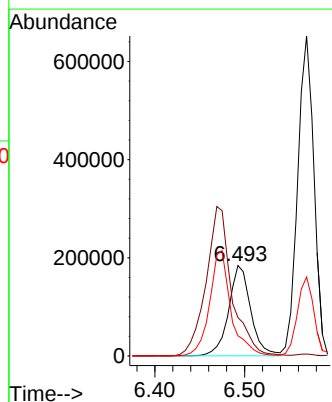
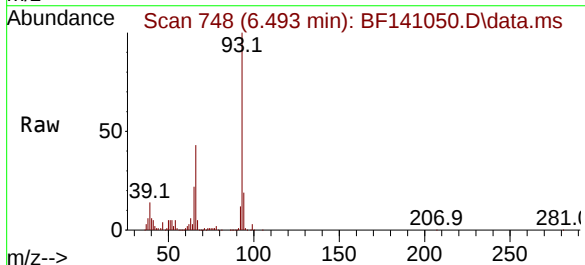
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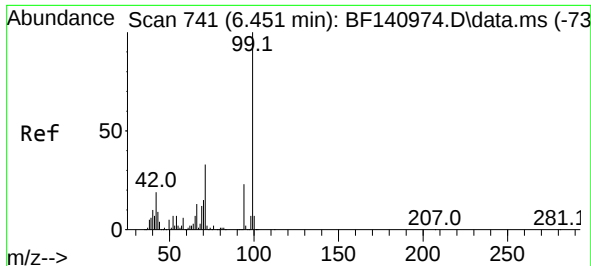
Tgt Ion:112 Resp: 2262446
Ion Ratio Lower Upper
112 100
64 61.2 47.7 71.5
63 31.1 24.2 36.2



#6
Aniline
Concen: 17.980 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 93 Resp: 315670
Ion Ratio Lower Upper
93 100
66 42.5 31.8 47.8
65 22.3 15.4 23.0

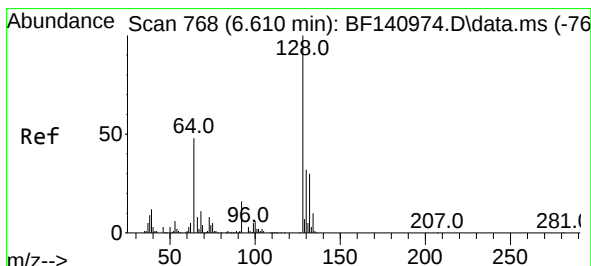
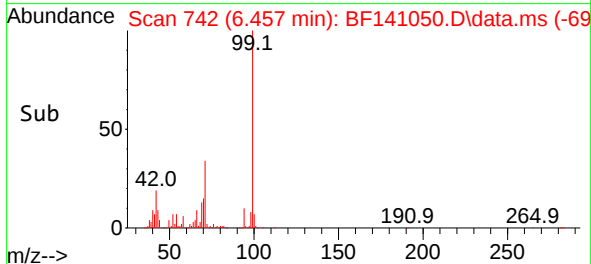
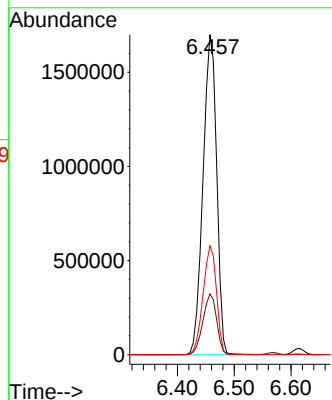
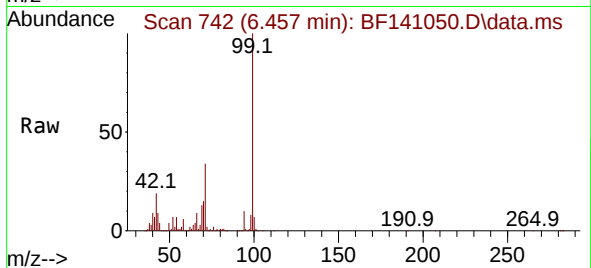




#7
Phenol-d6
Concen: 143.777 ng
RT: 6.457 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

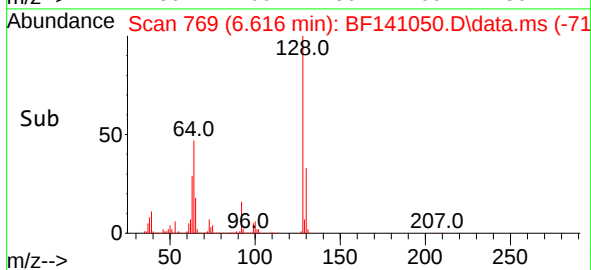
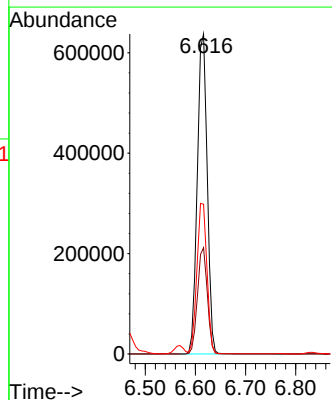
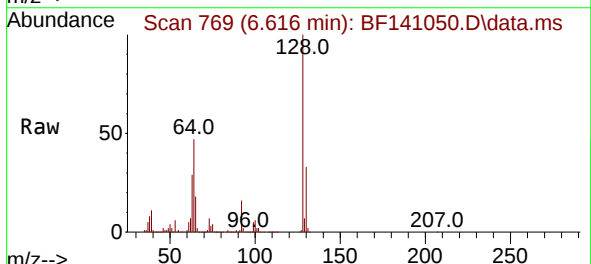
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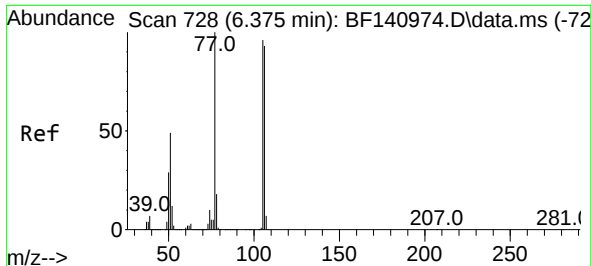
Tgt Ion: 99 Resp: 2830397
Ion Ratio Lower Upper
99 100
42 19.0 15.0 22.4
71 34.0 26.2 39.2



#8
2-Chlorophenol
Concen: 54.434 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:128 Resp: 877019
Ion Ratio Lower Upper
128 100
130 33.2 12.2 52.2
64 46.8 30.3 70.3





#9

Benzaldehyde

Concen: Below Cal

RT: 6.381 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

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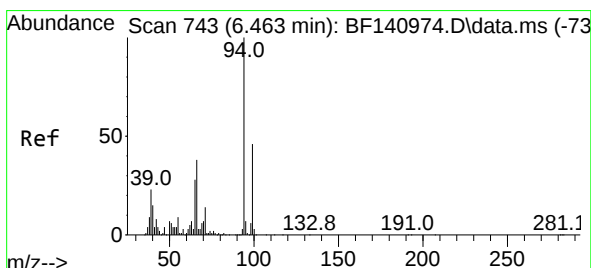
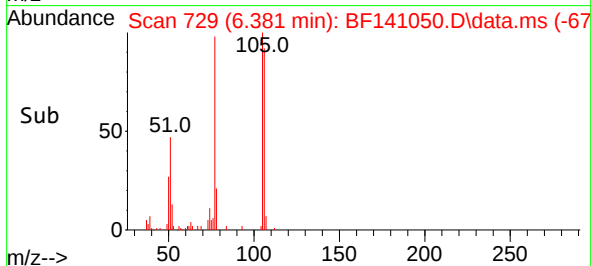
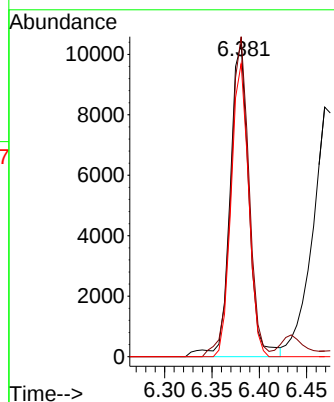
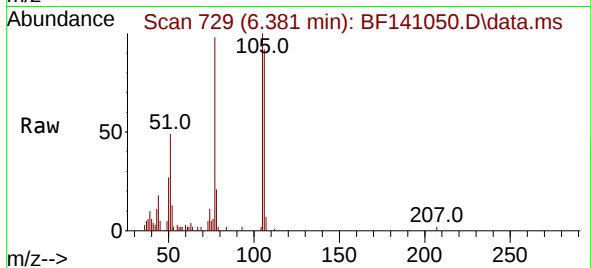
Tgt Ion: 77 Resp: 14290

Ion Ratio Lower Upper

77 100

105 102.2 76.2 116.2

106 93.6 73.4 113.4



#10

Phenol

Concen: 49.359 ng

RT: 6.475 min Scan# 745

Delta R.T. 0.012 min

Lab File: BF141050.D

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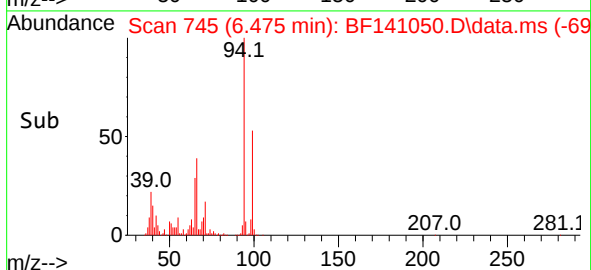
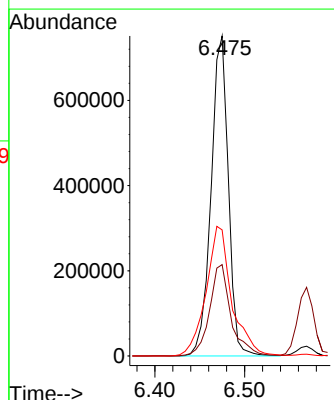
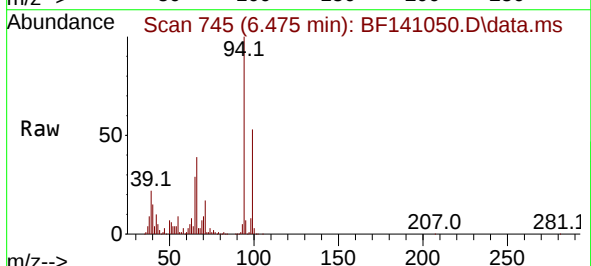
Tgt Ion: 94 Resp: 1004742

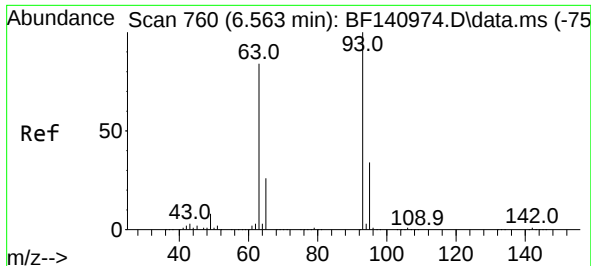
Ion Ratio Lower Upper

94 100

65 28.6 8.1 48.1

66 39.4 18.7 58.7

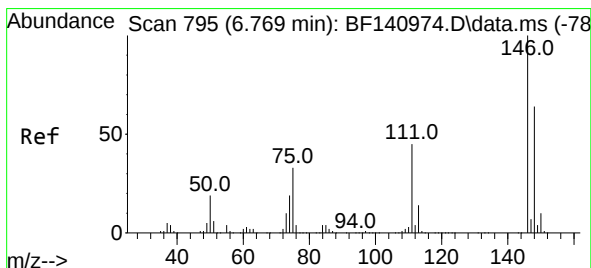
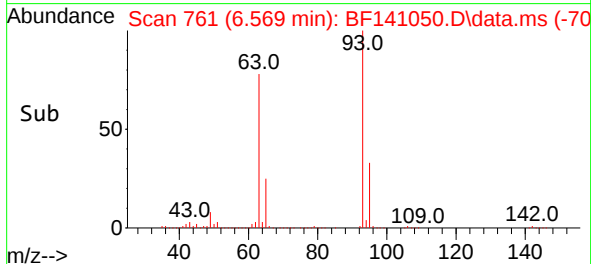
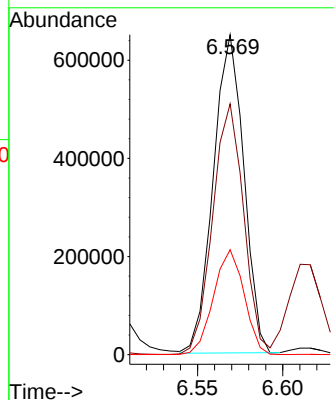
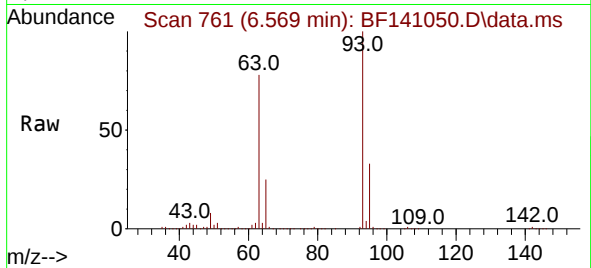




#11
bis(2-Chloroethyl)ether
Concen: 49.124 ng
RT: 6.569 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

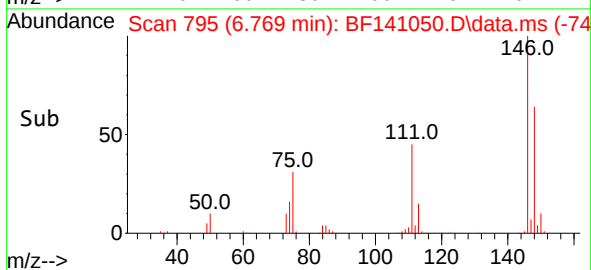
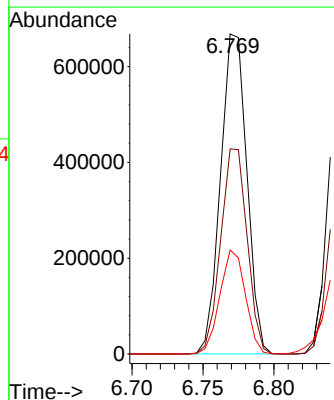
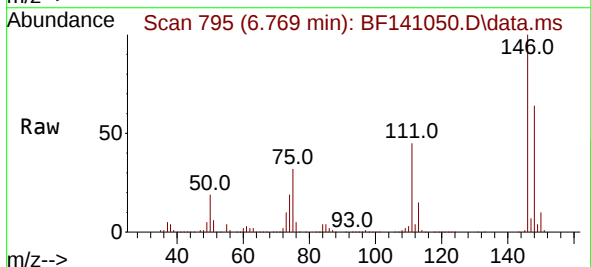
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 93 Resp: 807414
Ion Ratio Lower Upper
93 100
63 78.4 60.3 100.3
95 32.8 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 48.526 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 146 Resp: 862839
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.4
75 32.5 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 48.881 ng

RT: 6.846 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

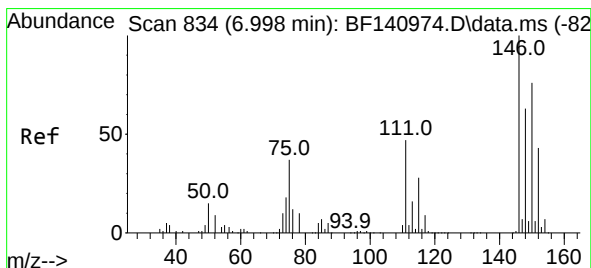
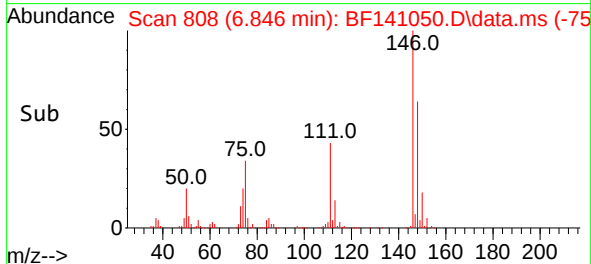
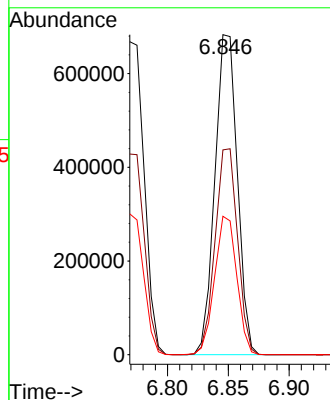
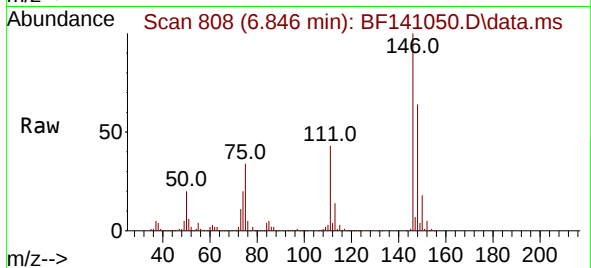
Tgt Ion:146 Resp: 876168

Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

111 43.3 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 50.193 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

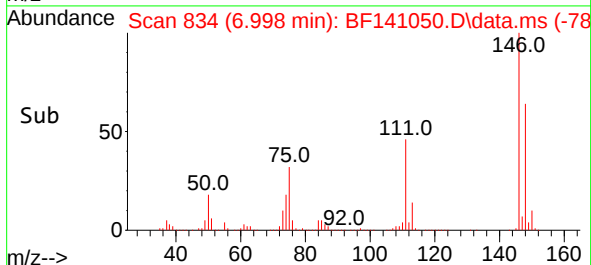
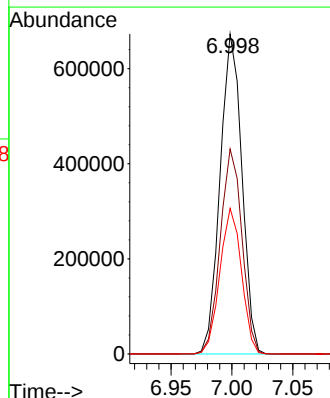
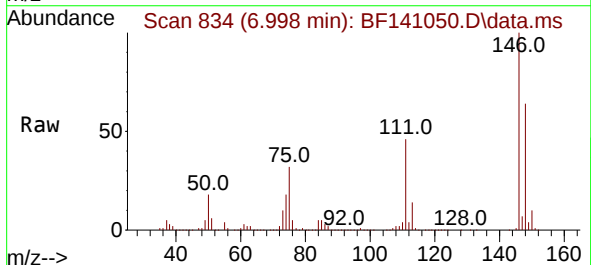
Tgt Ion:146 Resp: 838846

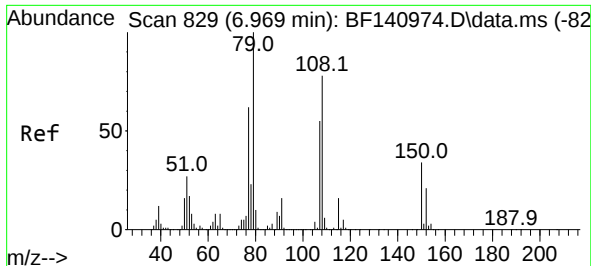
Ion Ratio Lower Upper

146 100

148 64.1 50.6 76.0

111 45.5 37.3 55.9

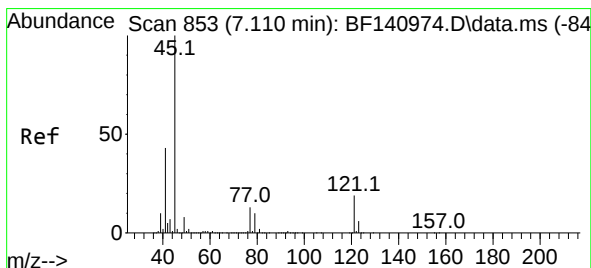
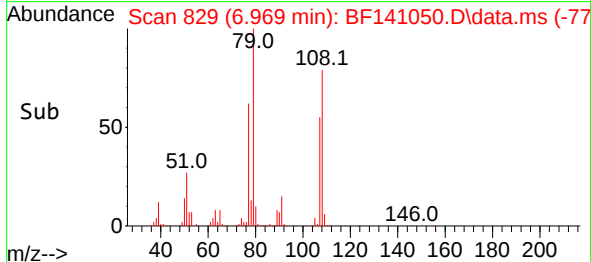
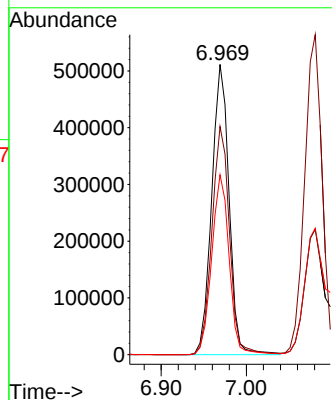
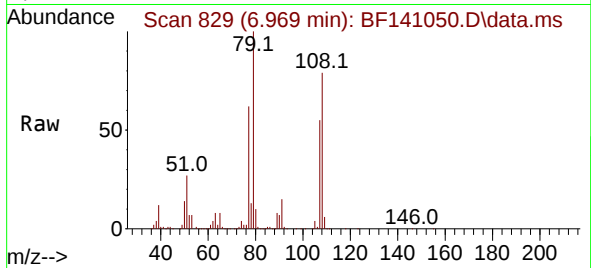




#15
Benzyl Alcohol
Concen: 51.178 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

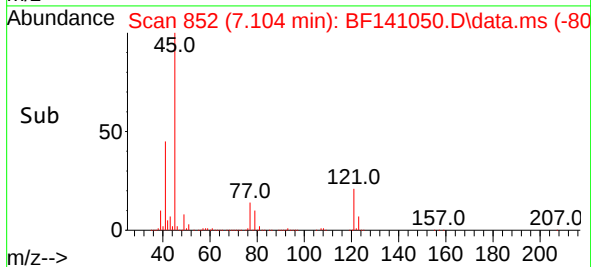
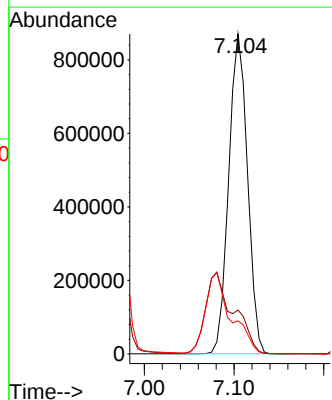
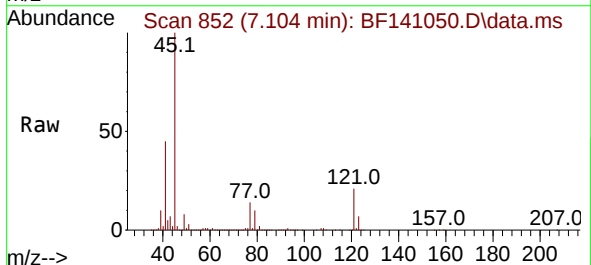
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

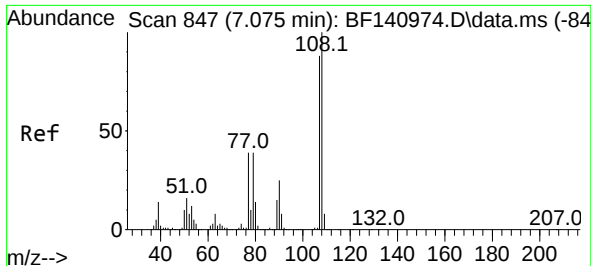
Tgt Ion: 79 Resp: 723992
Ion Ratio Lower Upper
79 100
108 78.6 62.5 93.7
77 62.0 49.3 73.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.739 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 45 Resp: 1261181
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.1
79 10.4 0.0 30.1

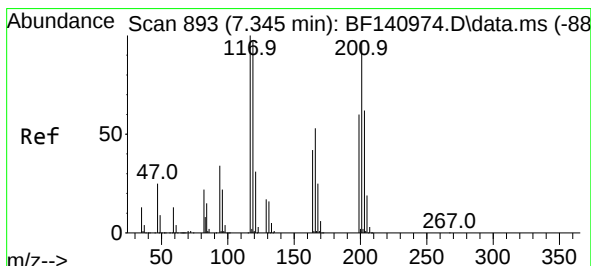
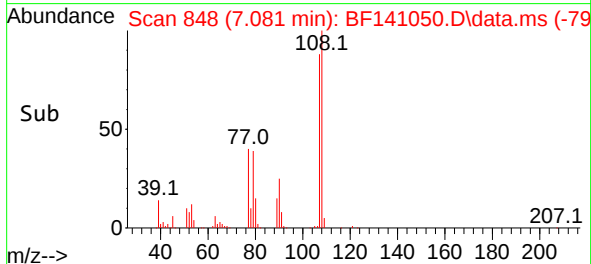
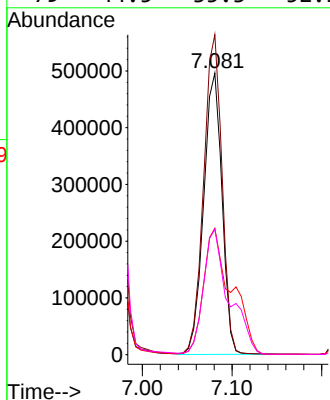
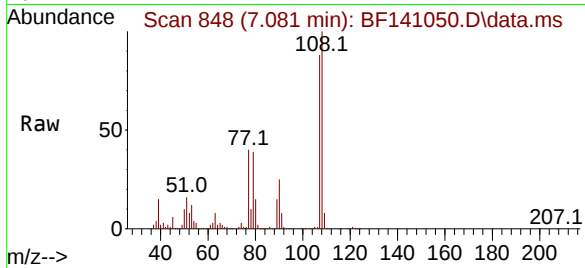




#17
2-Methylphenol
Concen: 52.603 ng
RT: 7.081 min Scan# 847
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

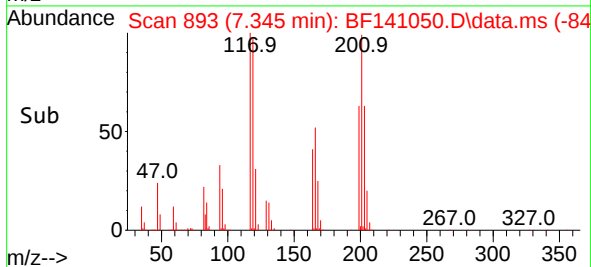
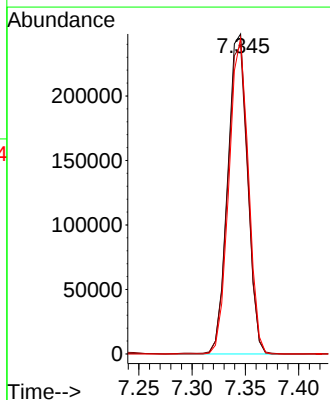
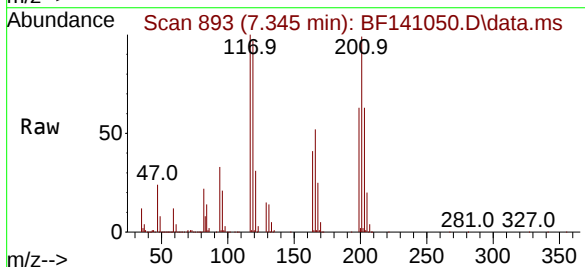
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

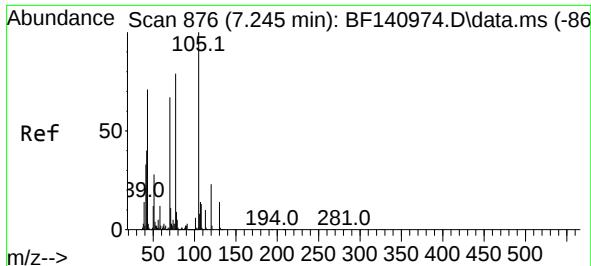
Tgt Ion:107 Resp: 704093
Ion Ratio Lower Upper
107 100
108 113.6 90.6 136.0
77 44.9 35.3 52.9
79 44.5 35.3 52.9



#18
Hexachloroethane
Concen: 50.770 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:117 Resp: 323278
Ion Ratio Lower Upper
117 100
119 96.5 77.5 116.3
201 98.7 77.4 116.2

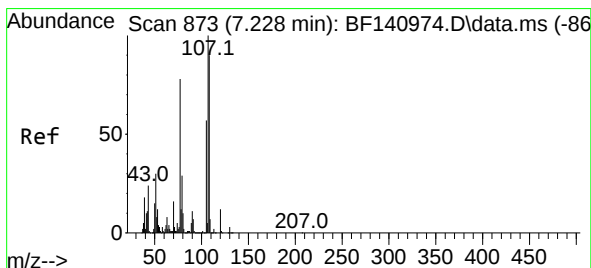
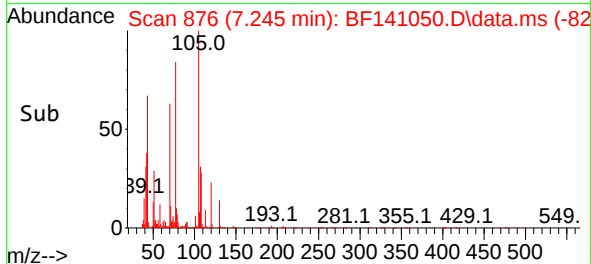
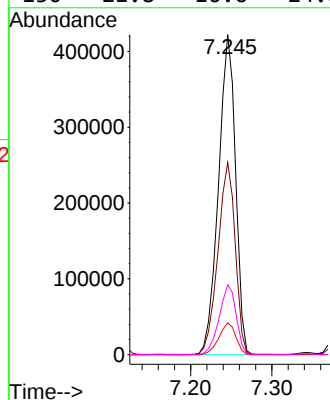
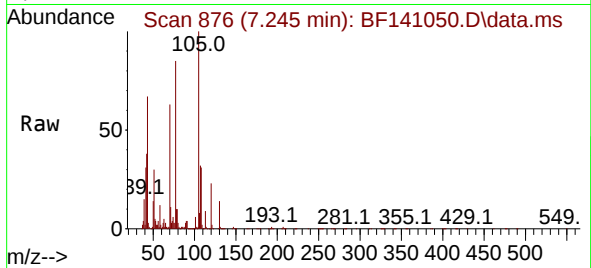




#19
n-Nitroso-di-n-propylamine
Concen: 51.207 ng
RT: 7.245 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

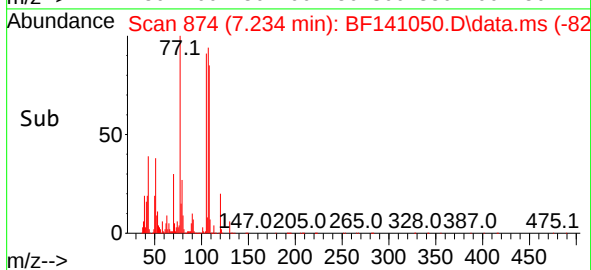
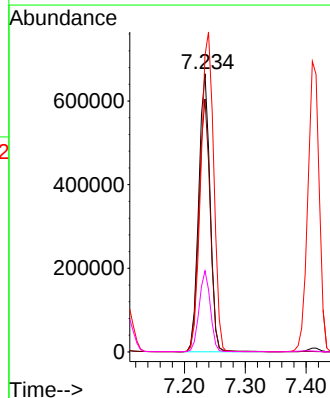
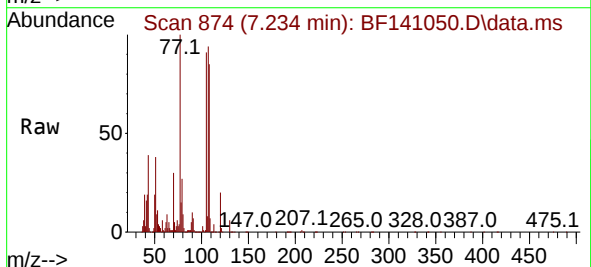
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

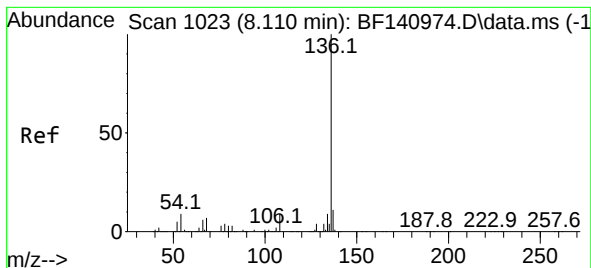
Tgt Ion: 70 Resp: 617566
Ion Ratio Lower Upper
70 100
42 60.0 48.1 72.1
101 10.0 7.6 11.4
130 21.8 16.6 24.8



#20
3+4-Methylphenols
Concen: 50.723 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 107 Resp: 859164
Ion Ratio Lower Upper
107 100
108 91.0 69.6 109.6
77 106.6 57.6 97.6#
79 29.1 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: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:136 Resp: 918976

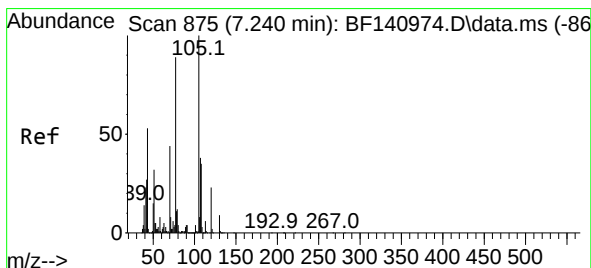
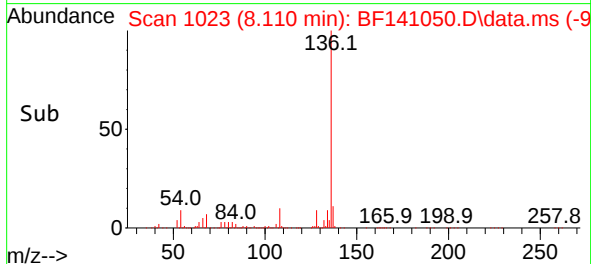
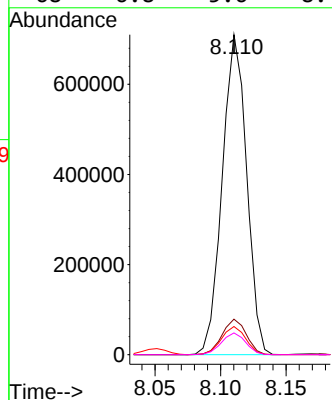
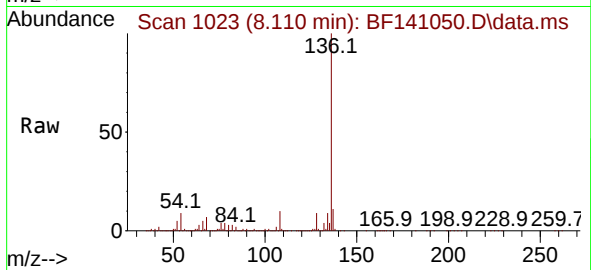
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.8 7.6 11.4

68 6.8 5.6 8.4



#22

Acetophenone

Concen: 49.744 ng

RT: 7.240 min Scan# 875

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Tgt Ion:105 Resp: 1121412

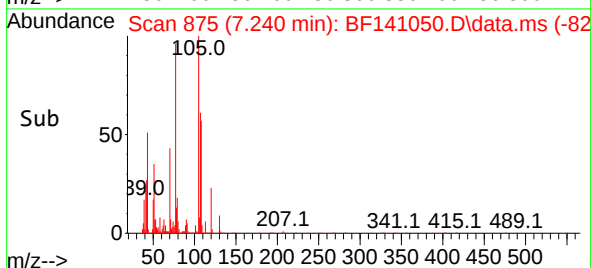
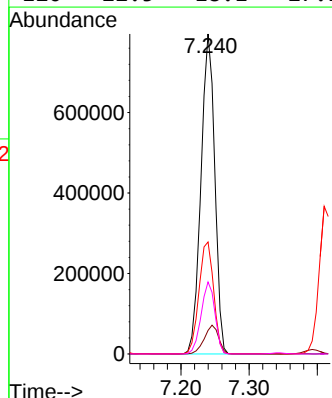
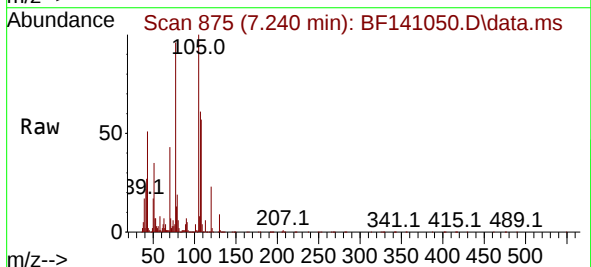
Ion Ratio Lower Upper

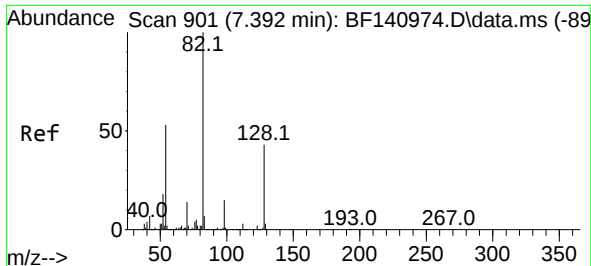
105 100

71 7.4 6.1 9.1

51 35.0 25.8 38.6

120 22.5 18.1 27.1





#23

Nitrobenzene-d5

Concen: 130.300 ng

RT: 7.393 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

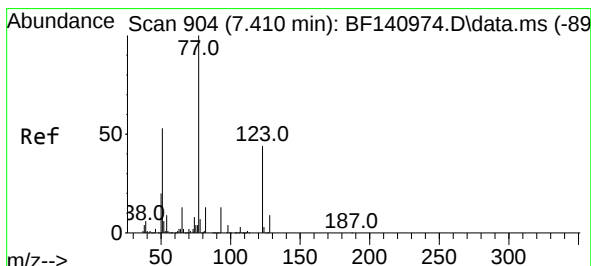
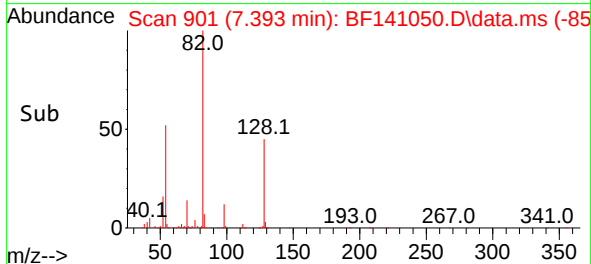
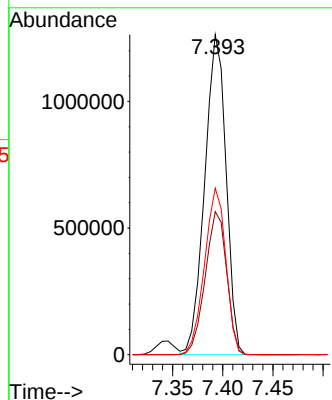
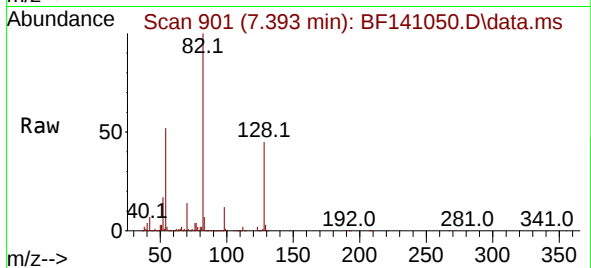
BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion: 82 Resp: 1871617

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.4	51.6
54	52.1	42.4	63.6



#24

Nitrobenzene

Concen: 55.904 ng

RT: 7.410 min Scan# 904

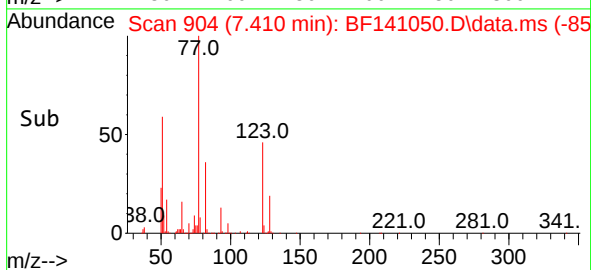
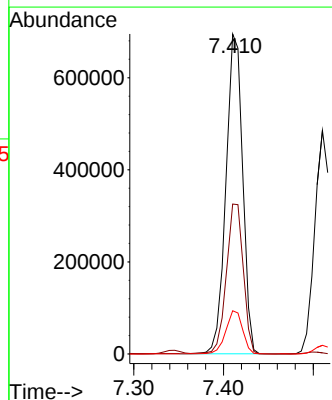
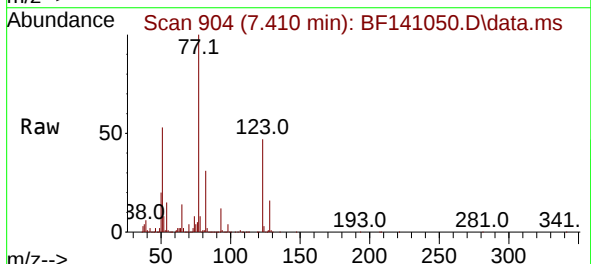
Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Tgt Ion: 77 Resp: 897277

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.4	53.2
65	13.5	10.7	16.1

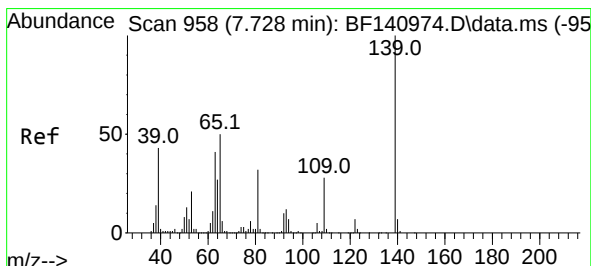
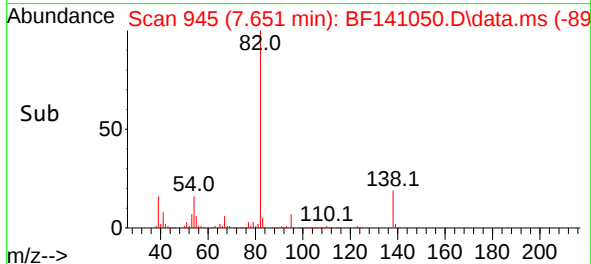
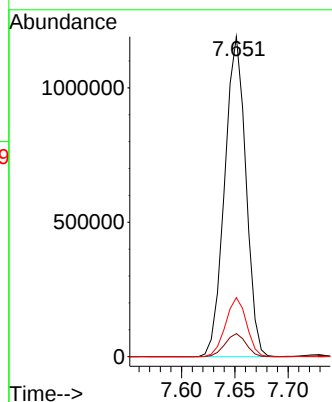
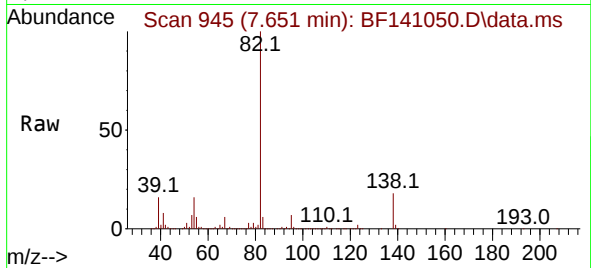




#25
Isophorone
Concen: 52.685 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

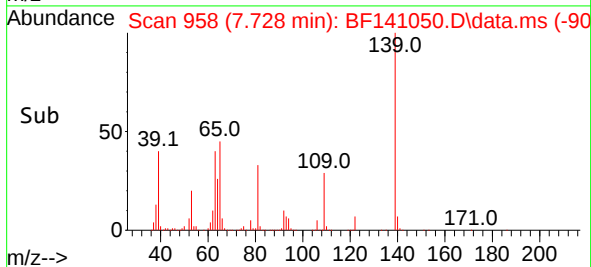
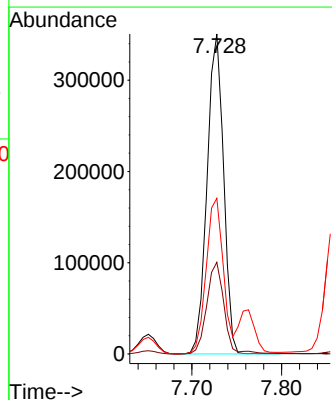
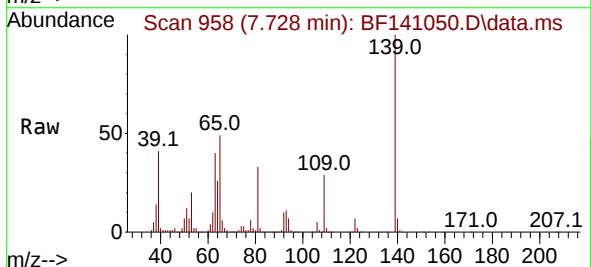
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

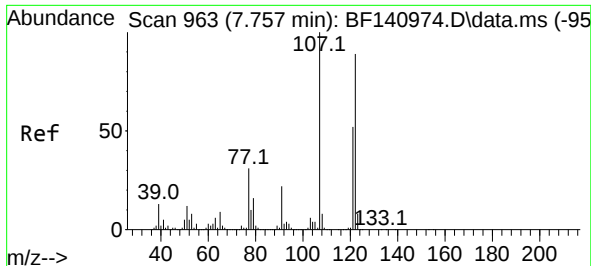
Tgt Ion: 82 Resp: 1646747
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 18.5 14.6 21.8



#26
2-Nitrophenol
Concen: 65.898 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:139 Resp: 448067
Ion Ratio Lower Upper
139 100
109 28.7 22.2 33.4
65 48.6 40.2 60.4

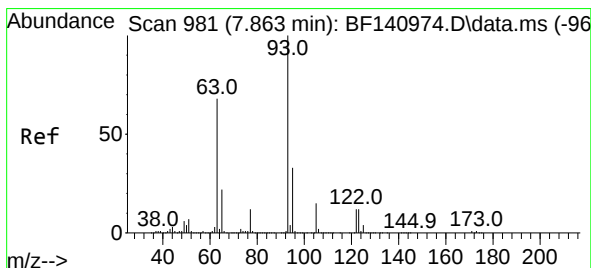
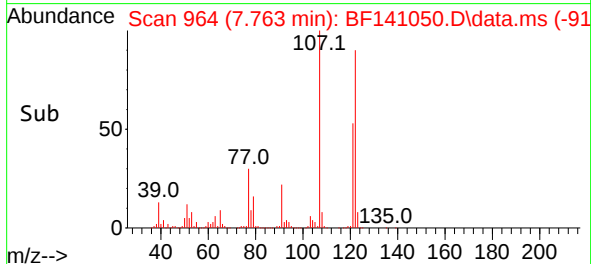
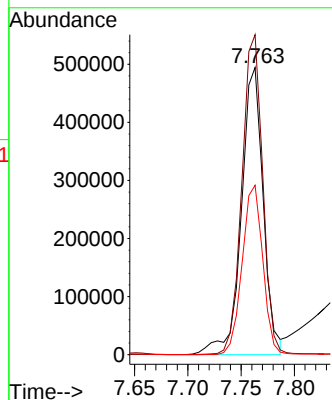
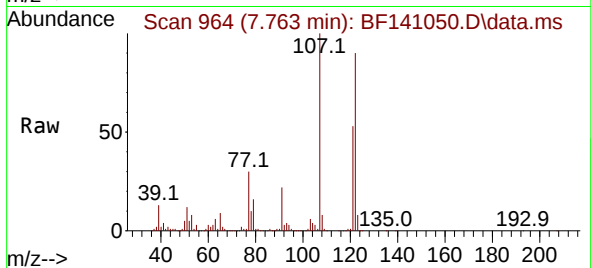




#27
2,4-Dimethylphenol
Concen: 61.930 ng
RT: 7.763 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

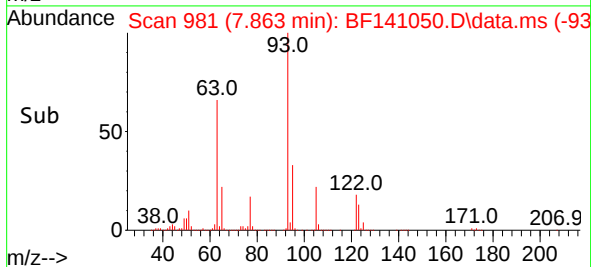
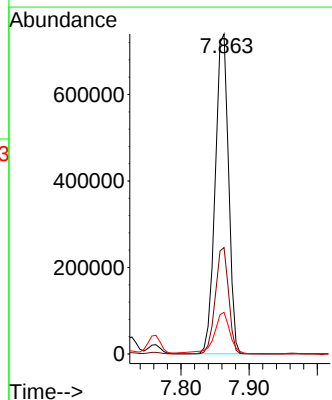
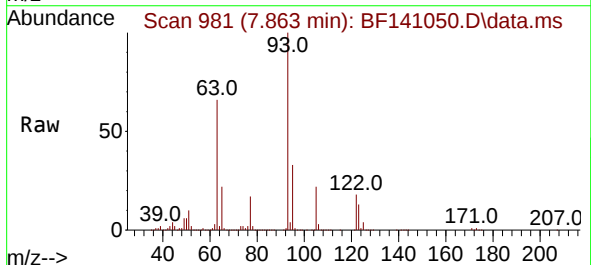
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:122 Resp: 707452
Ion Ratio Lower Upper
122 100
107 111.4 89.4 134.2
121 59.0 46.7 70.1



#28
bis(2-Chloroethoxy)methane
Concen: 50.930 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 93 Resp: 1008599
Ion Ratio Lower Upper
93 100
95 33.3 26.2 39.4
123 13.0 9.9 14.9

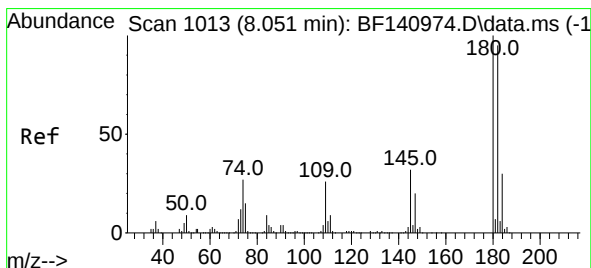
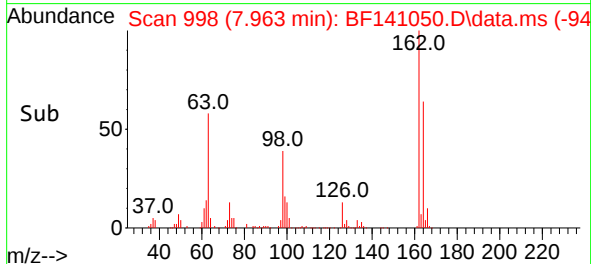
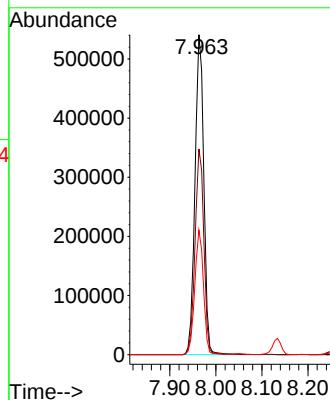
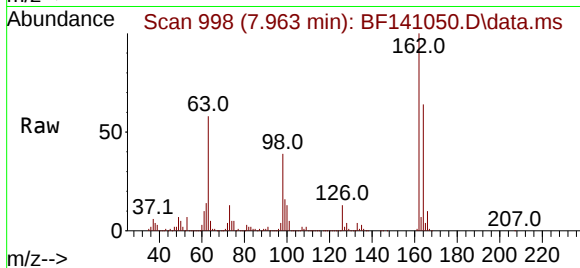




#29
2,4-Dichlorophenol
Concen: 55.360 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

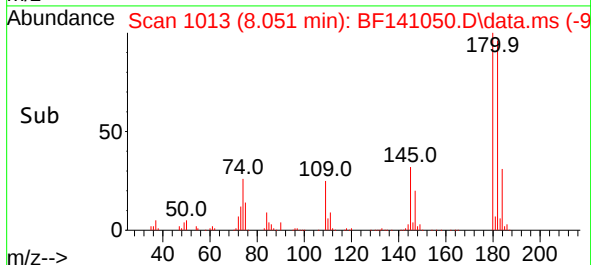
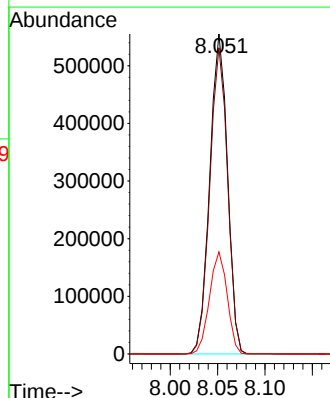
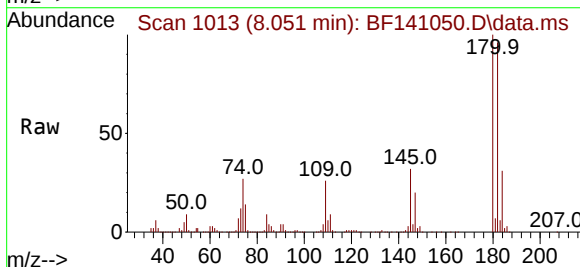
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BNA_F
ClientSampleId :
WC-SOIL-20241219MS

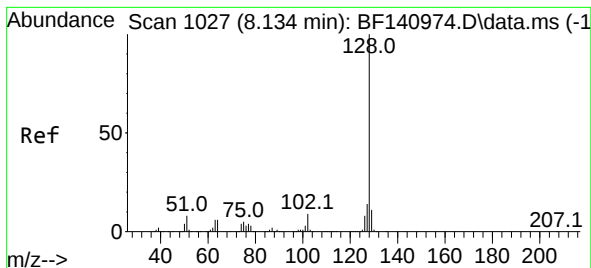
Tgt Ion:162 Resp: 717237
Ion Ratio Lower Upper
162 100
164 64.3 44.8 84.8
98 39.0 18.6 58.6



#30
1,2,4-Trichlorobenzene
Concen: 49.213 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:180 Resp: 721653
Ion Ratio Lower Upper
180 100
182 95.7 76.2 114.4
145 31.9 25.4 38.2





#31

Naphthalene

Concen: 49.477 ng

RT: 8.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

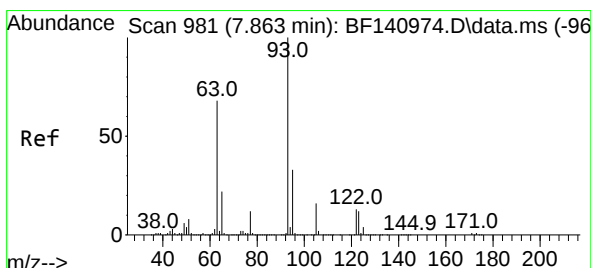
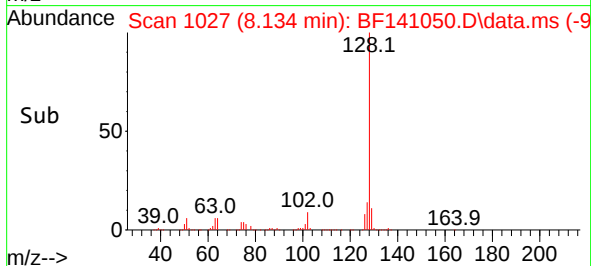
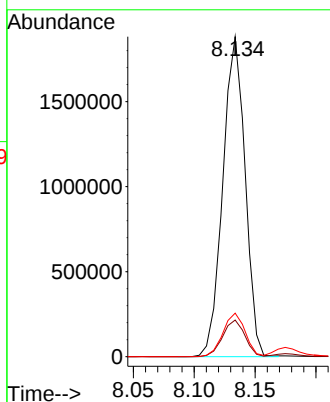
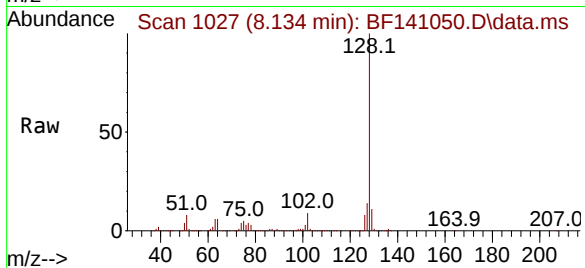
Tgt Ion:128 Resp: 2395909

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.6 11.0 16.4



#32

Benzoic acid

Concen: 55.871 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.012 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

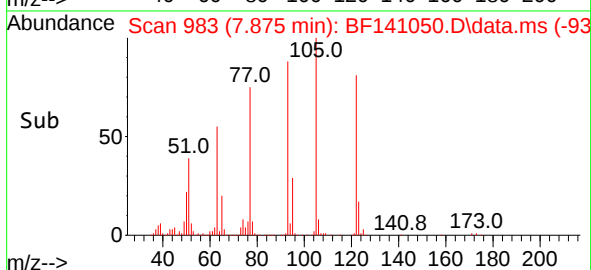
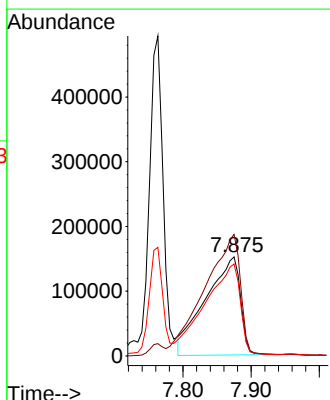
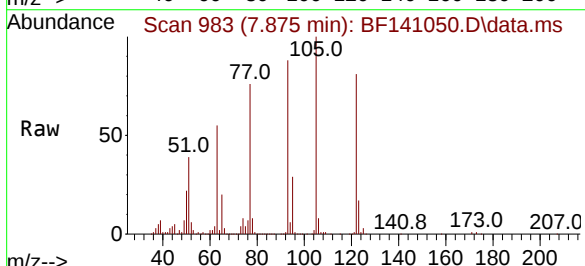
Tgt Ion:122 Resp: 539358

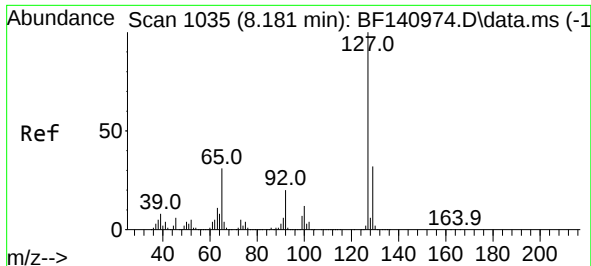
Ion Ratio Lower Upper

122 100

105 122.8 105.4 145.4

77 92.9 76.4 116.4

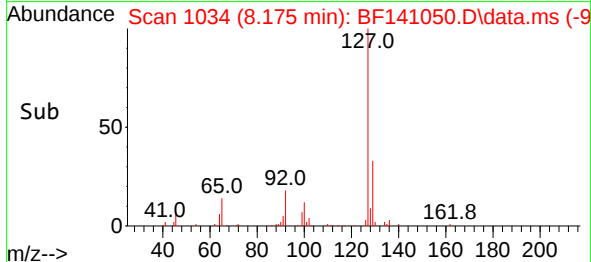
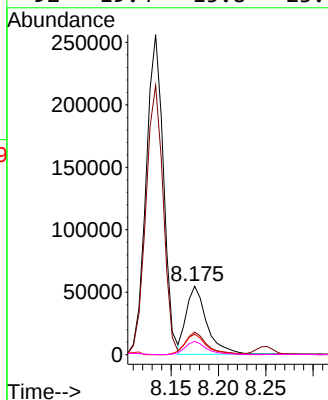
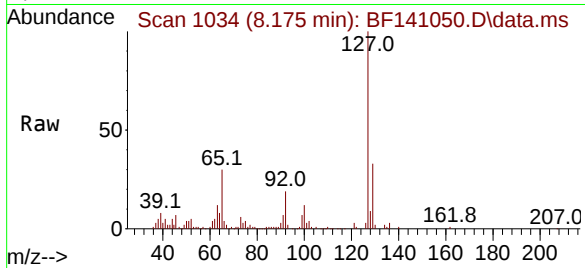




#33
4-Chloroaniline
Concen: 4.670 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

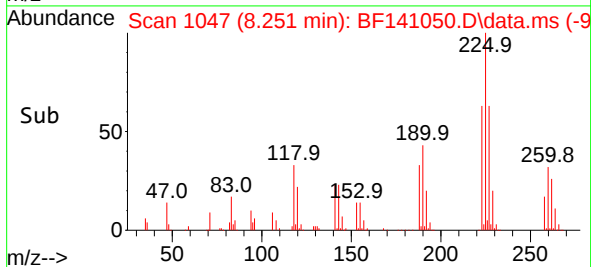
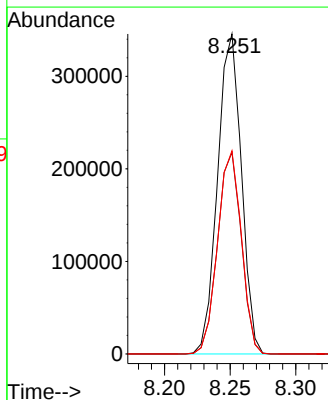
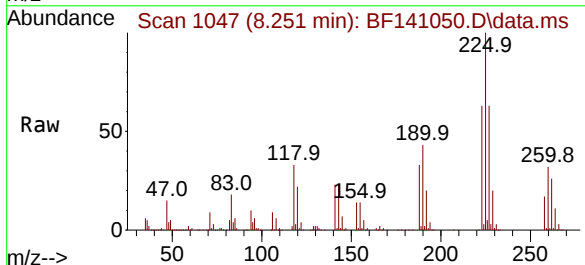
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

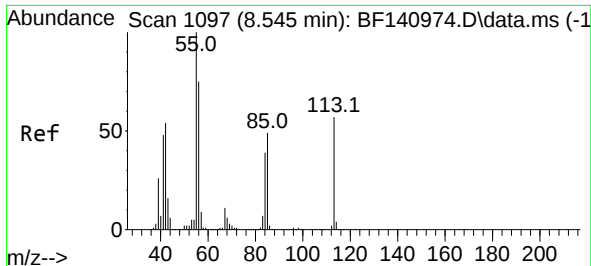
Tgt Ion:127	Resp:	81811
Ion	Ratio	Lower Upper
127	100	
129	32.9	26.1 39.1
65	30.2	24.6 37.0
92	19.4	15.8 23.6



#34
Hexachlorobutadiene
Concen: 50.482 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:225	Resp:	436407
Ion	Ratio	Lower Upper
225	100	
223	63.0	50.3 75.5
227	63.5	50.8 76.2

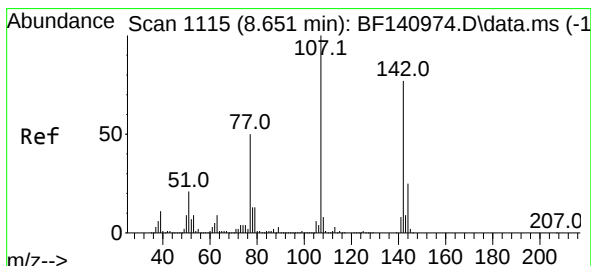
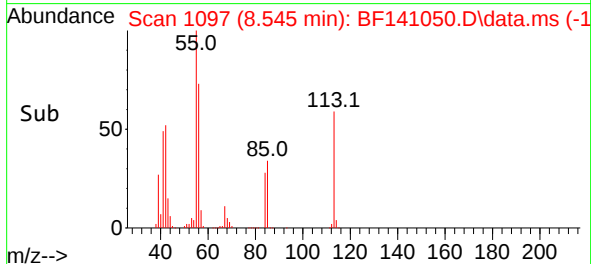
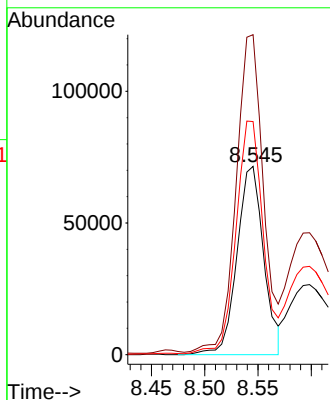
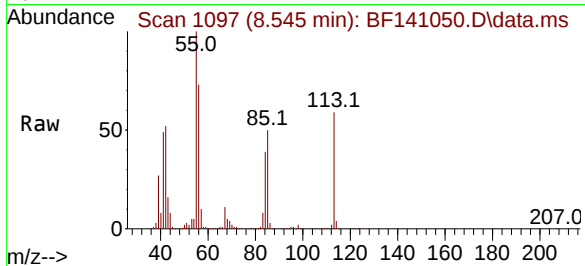




#35
 Caprolactam
 Concen: 28.307 ng
 RT: 8.545 min Scan# 1107
 Delta R.T. 0.000 min
 Lab File: BF141050.D
 Acq: 31 Dec 2024 11:23

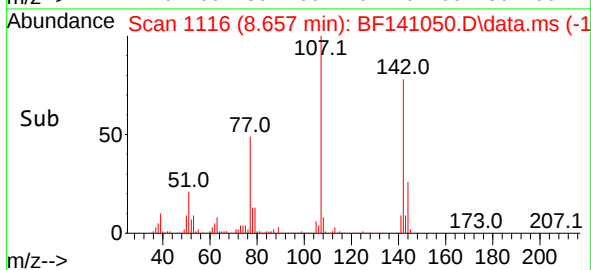
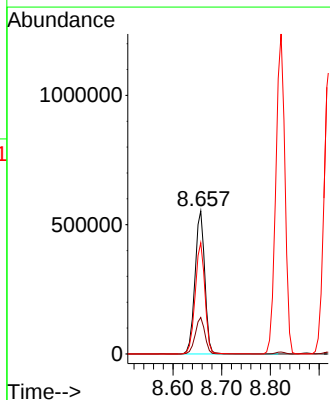
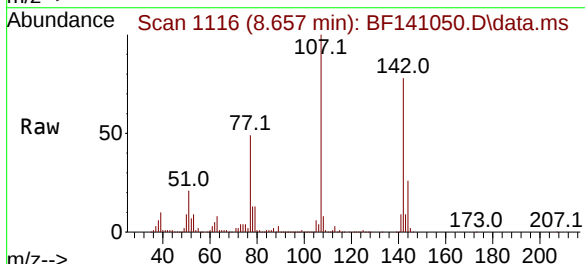
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MS

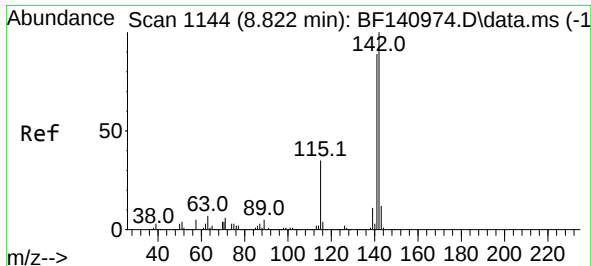
Tgt Ion:113 Resp: 124677
 Ion Ratio Lower Upper
 113 100
 55 170.0 156.6 196.6
 56 123.8 111.7 151.7



#36
 4-Chloro-3-methylphenol
 Concen: 53.955 ng
 RT: 8.657 min Scan# 1116
 Delta R.T. 0.006 min
 Lab File: BF141050.D
 Acq: 31 Dec 2024 11:23

Tgt Ion:107 Resp: 776315
 Ion Ratio Lower Upper
 107 100
 144 25.5 19.9 29.9
 142 77.8 61.8 92.8

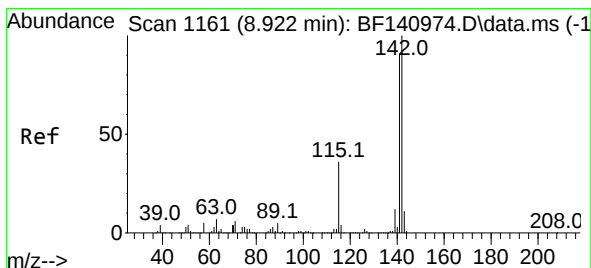
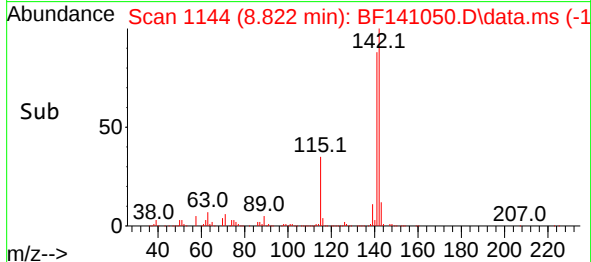
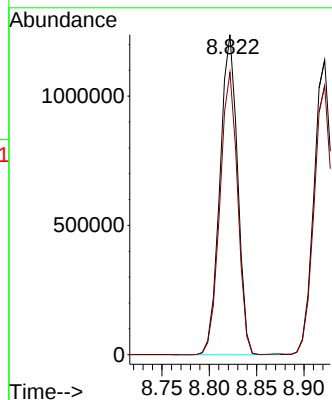
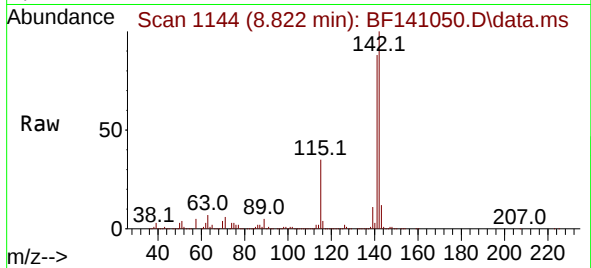




#37
2-Methylnaphthalene
Concen: 51.840 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

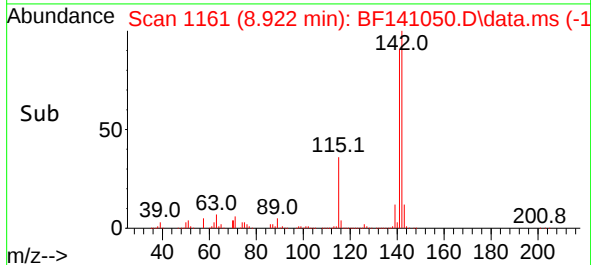
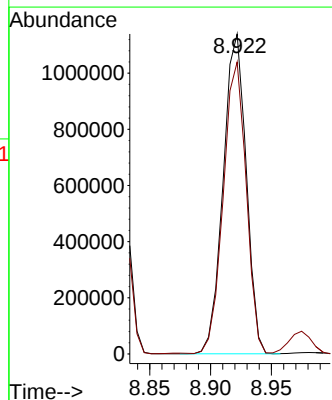
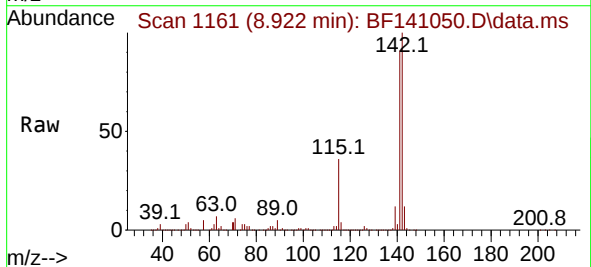
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

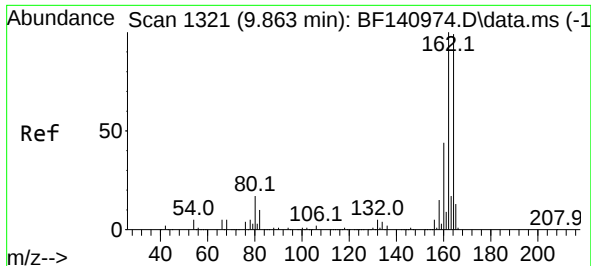
Tgt Ion:142 Resp: 1605935
Ion Ratio Lower Upper
142 100
141 88.2 71.1 106.7



#38
1-Methylnaphthalene
Concen: 49.105 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:142 Resp: 1495035
Ion Ratio Lower Upper
142 100
141 91.3 72.7 109.1

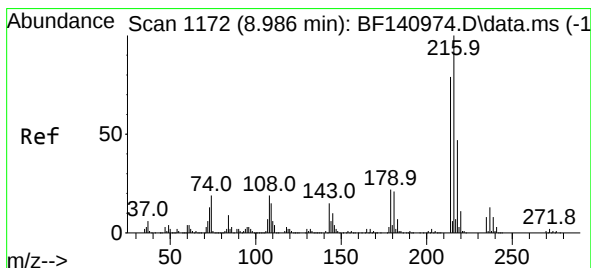
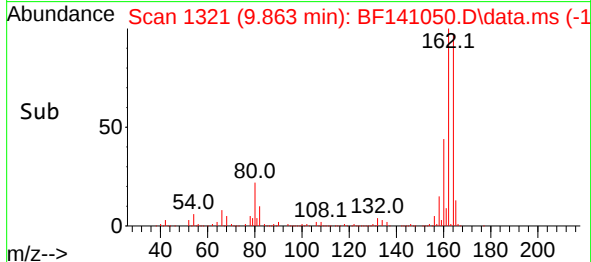
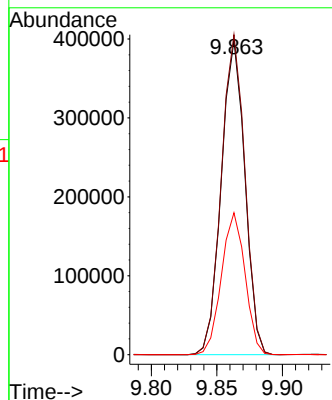
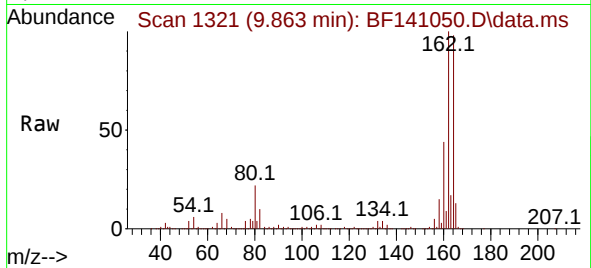




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

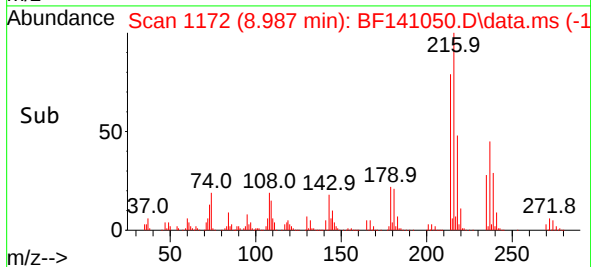
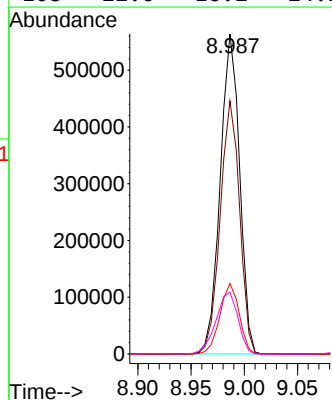
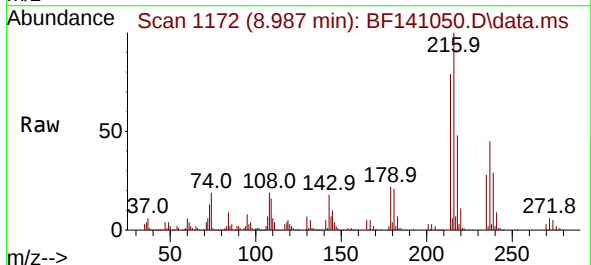
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:164 Resp: 496643
Ion Ratio Lower Upper
164 100
162 101.9 80.6 120.8
160 45.2 35.7 53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.098 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:216 Resp: 711829
Ion Ratio Lower Upper
216 100
214 79.0 63.0 94.6
179 21.9 17.9 26.9
108 22.0 16.2 24.2

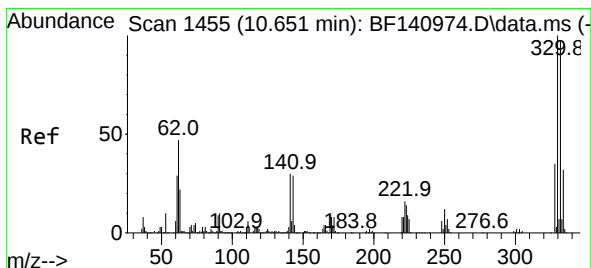
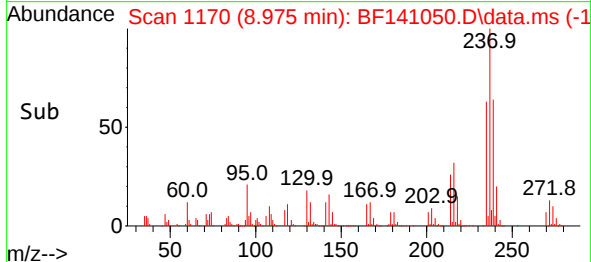
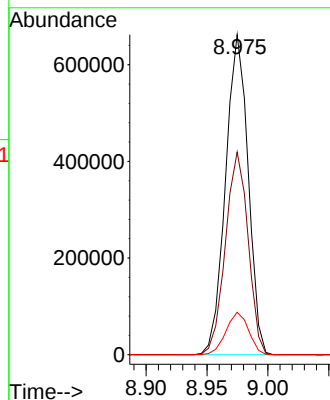
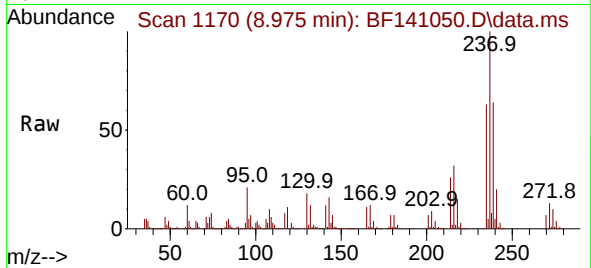




#41
Hexachlorocyclopentadiene
Concen: 188.489 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

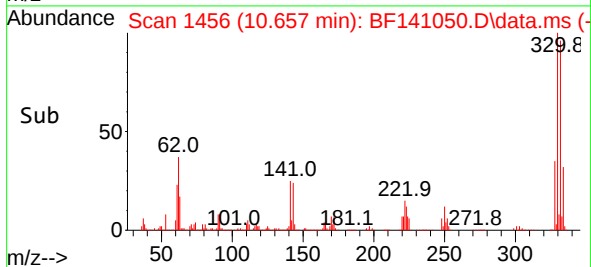
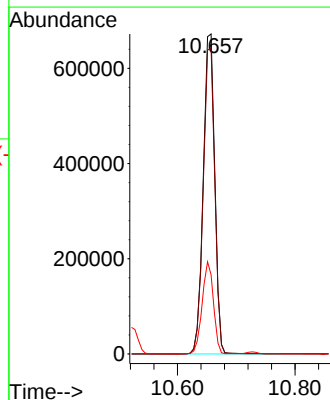
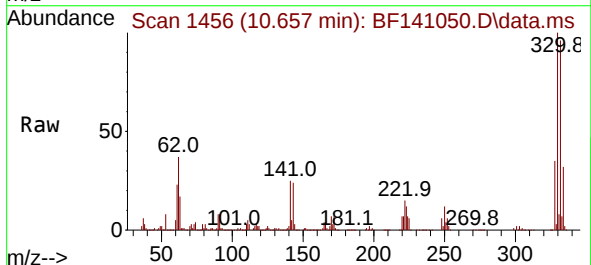
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

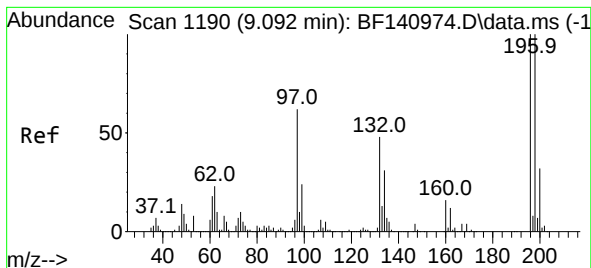
Tgt Ion:237 Resp: 853450
Ion Ratio Lower Upper
237 100
235 63.3 43.4 83.4
272 13.2 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 189.587 ng
RT: 10.657 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:330 Resp: 914930
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 28.2 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 57.227 ng

RT: 9.098 min Scan# 1190

Delta R.T. 0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

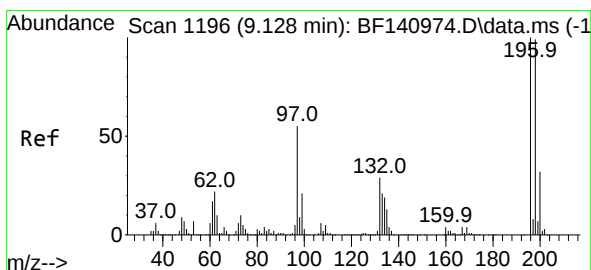
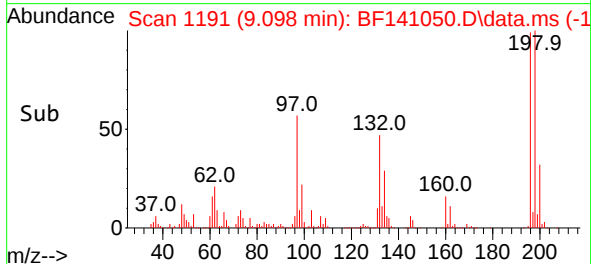
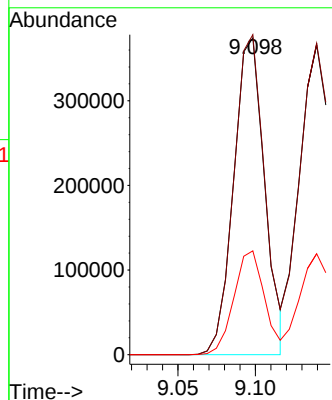
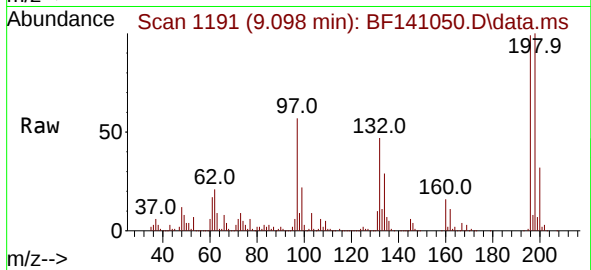
Tgt Ion:196 Resp: 520399

Ion Ratio Lower Upper

196 100

198 101.0 80.2 120.4

200 32.8 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 56.928 ng

RT: 9.139 min Scan# 1198

Delta R.T. 0.012 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Tgt Ion:196 Resp: 529687

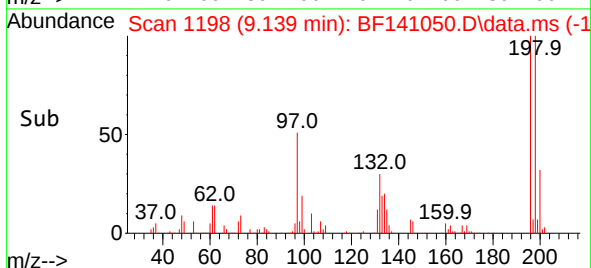
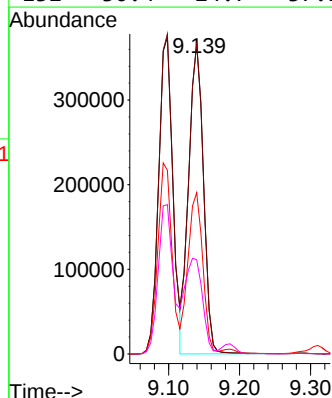
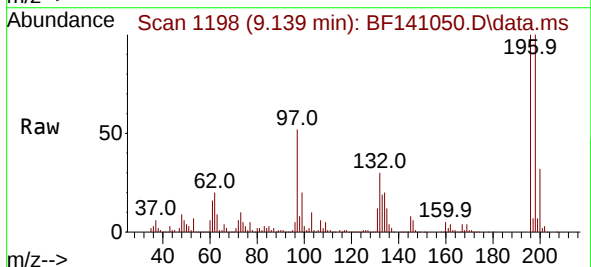
Ion Ratio Lower Upper

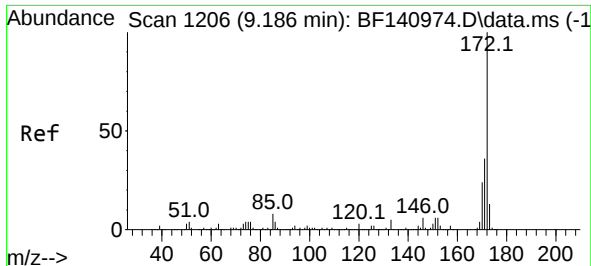
196 100

198 100.5 79.9 119.9

97 52.0 44.3 66.5

132 30.4 24.7 37.1

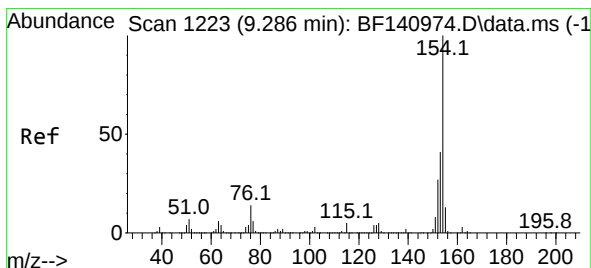
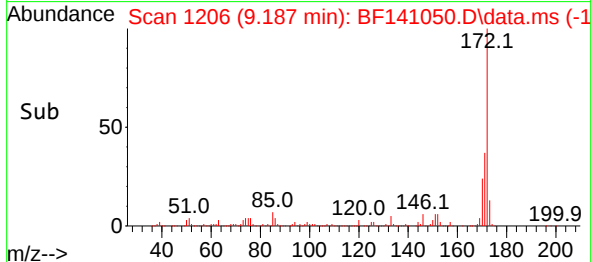
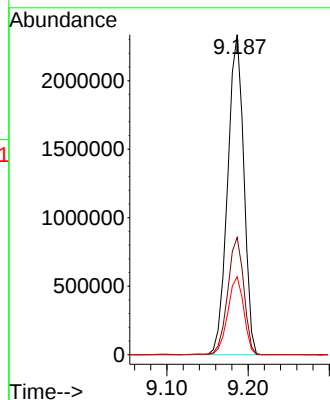
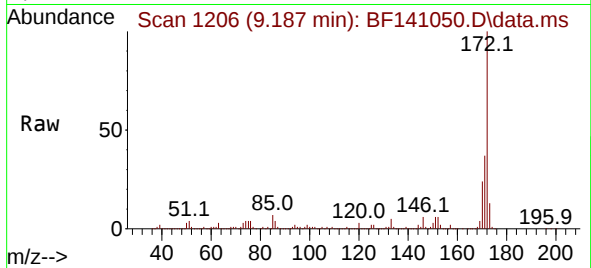




#45
2-Fluorobiphenyl
Concen: 103.602 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

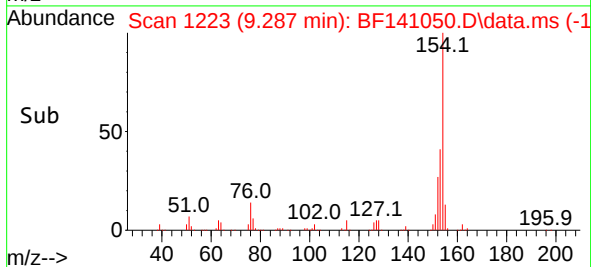
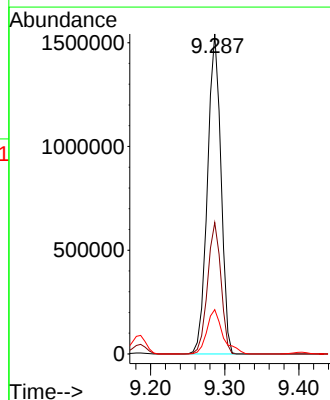
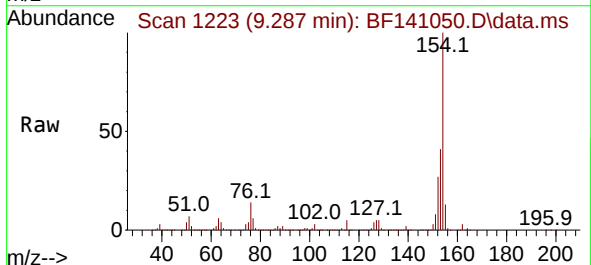
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

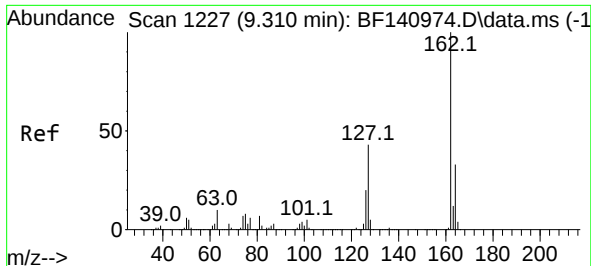
Tgt Ion:172 Resp: 3229458
Ion Ratio Lower Upper
172 100
171 36.7 29.0 43.4
170 24.4 19.6 29.4



#46
1,1'-Biphenyl
Concen: 51.155 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:154 Resp: 1945296
Ion Ratio Lower Upper
154 100
153 41.1 20.9 60.9
76 13.9 0.0 34.0

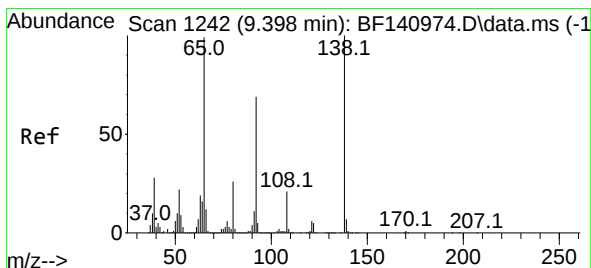
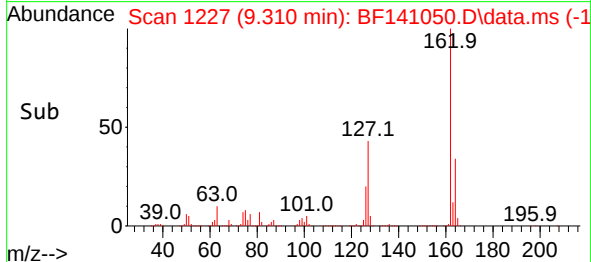
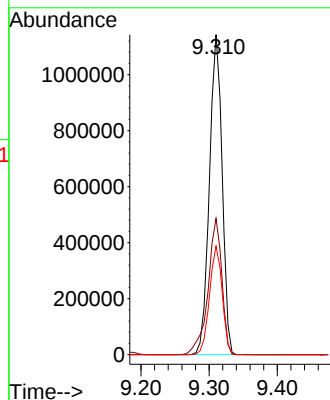
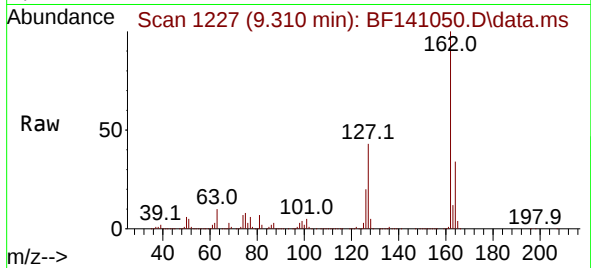




#47
2-Chloronaphthalene
Concen: 50.336 ng
RT: 9.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

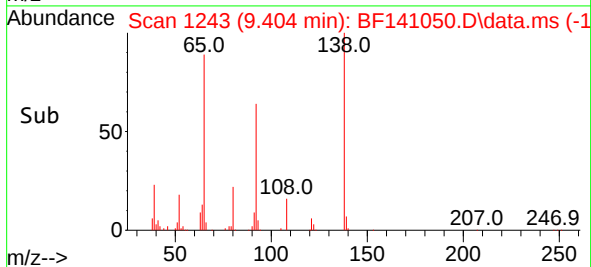
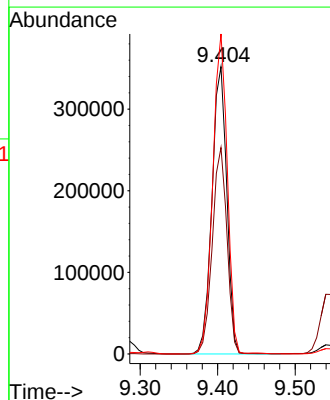
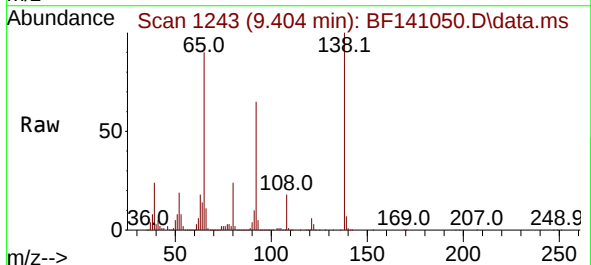
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:162 Resp: 1484568
Ion Ratio Lower Upper
162 100
127 42.6 34.2 51.4
164 33.9 26.6 40.0



#48
2-Nitroaniline
Concen: 59.476 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 65 Resp: 468373
Ion Ratio Lower Upper
65 100
92 71.8 55.6 83.4
138 111.3 80.5 120.7

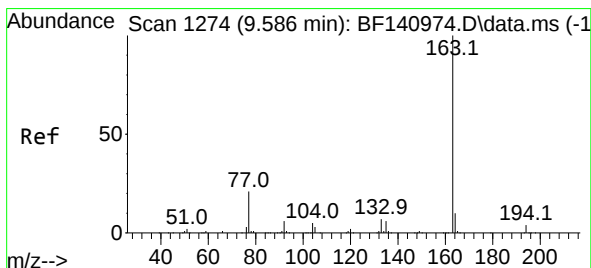
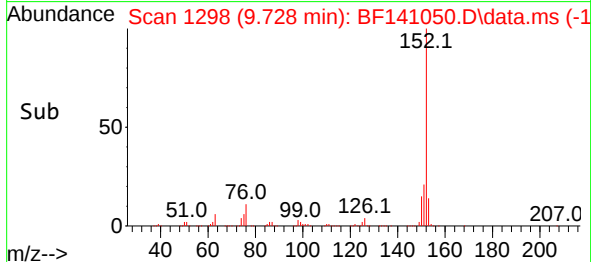
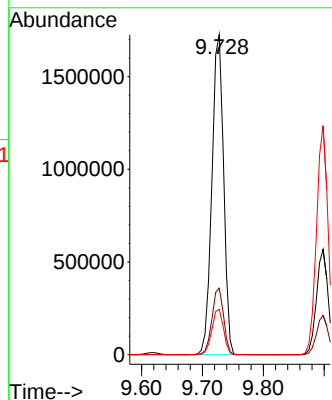
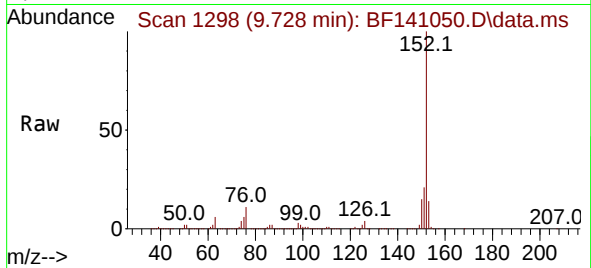




#49
Acenaphthylene
Concen: 54.347 ng
RT: 9.728 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

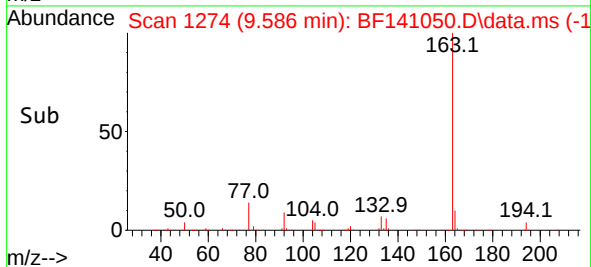
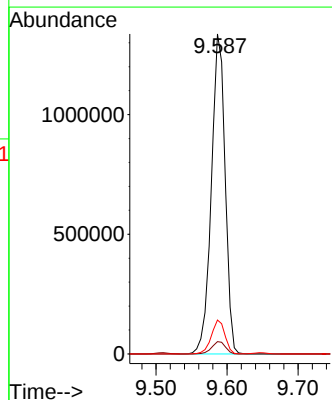
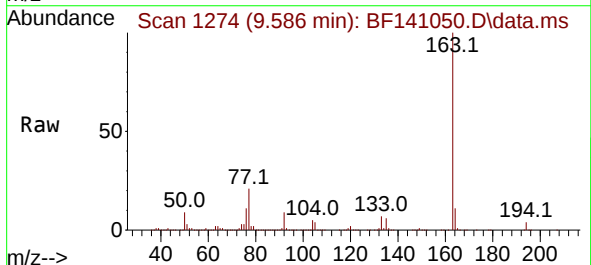
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

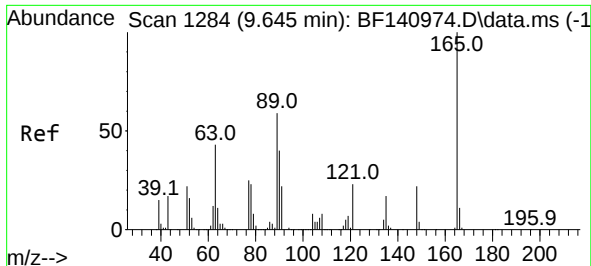
Tgt Ion:152 Resp: 2307406
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4
153 14.2 11.4 17.0



#50
Dimethylphthalate
Concen: 55.187 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:163 Resp: 1802824
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.6 8.3 12.5

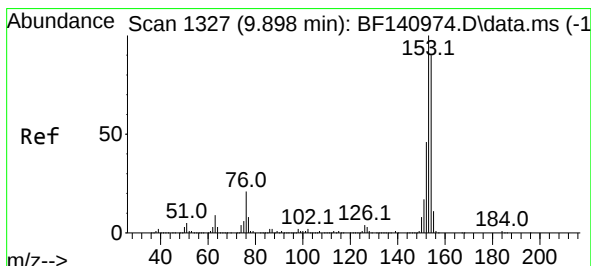
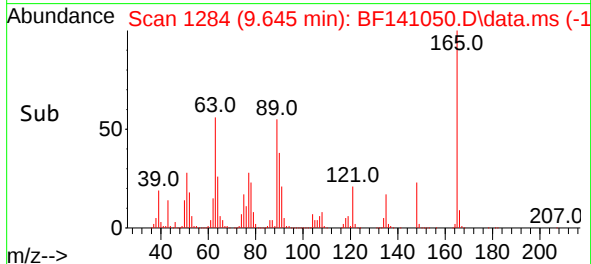
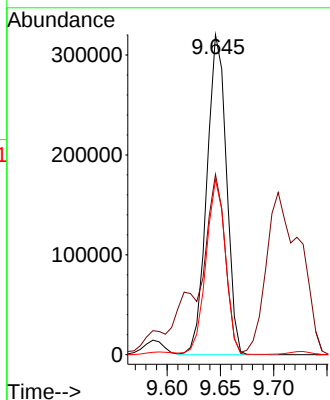
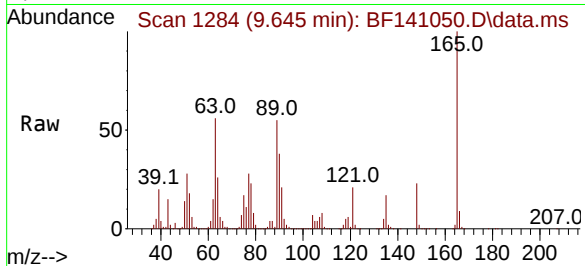




#51
2,6-Dinitrotoluene
Concen: 60.426 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

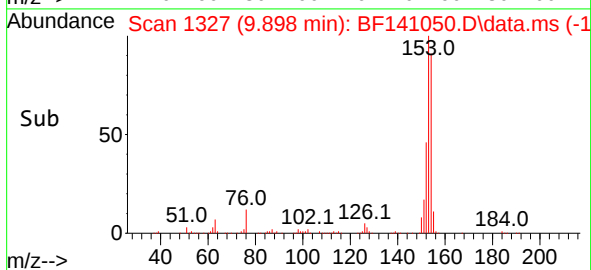
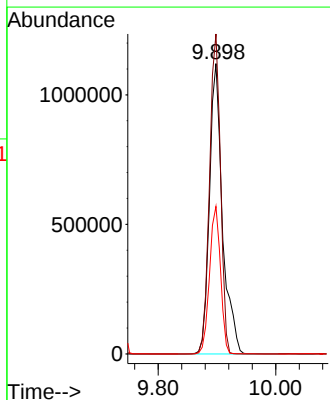
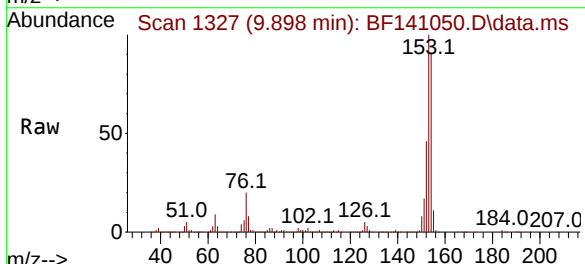
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

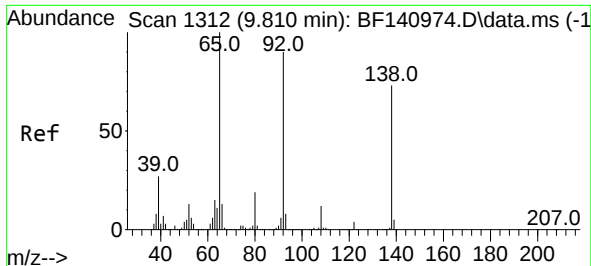
Tgt Ion:165 Resp: 409385
Ion Ratio Lower Upper
165 100
63 56.4 47.1 70.7
89 54.8 47.0 70.4



#52
Acenaphthene
Concen: 60.220 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:154 Resp: 1728479
Ion Ratio Lower Upper
154 100
153 110.2 89.2 133.8
152 50.8 40.9 61.3

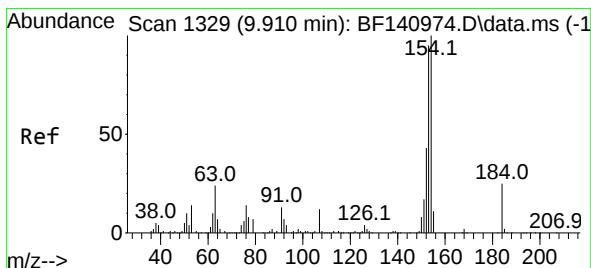
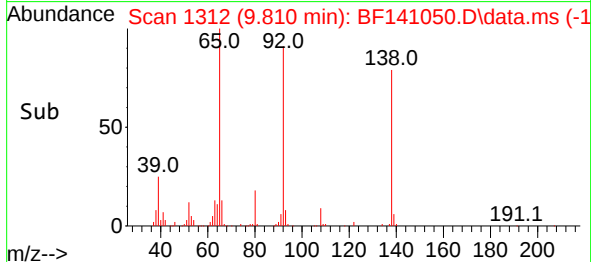
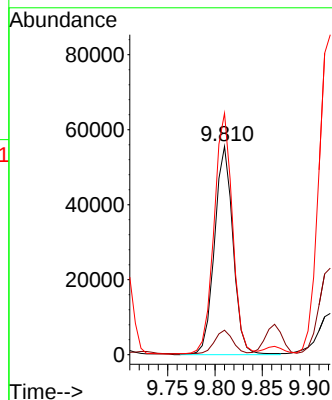
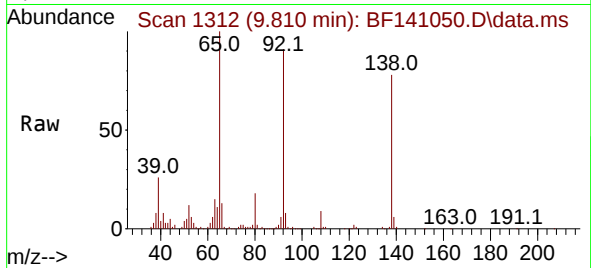




#53
3-Nitroaniline
Concen: 12.985 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

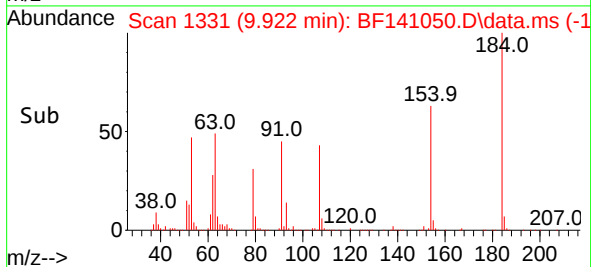
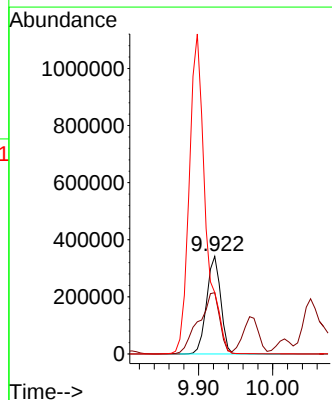
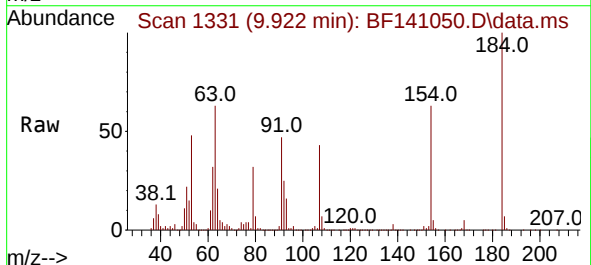
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

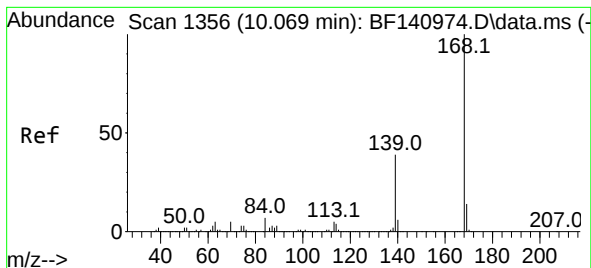
Tgt Ion:138 Resp: 75559
Ion Ratio Lower Upper
138 100
108 11.7 13.5 20.3#
92 115.9 97.7 146.5



#54
2,4-Dinitrophenol
Concen: 131.272 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:184 Resp: 451441
Ion Ratio Lower Upper
184 100
63 62.7 81.6 122.4#
154 62.8 363.5 545.3#





#55

Dibenzenofuran

Concen: 52.501 ng

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

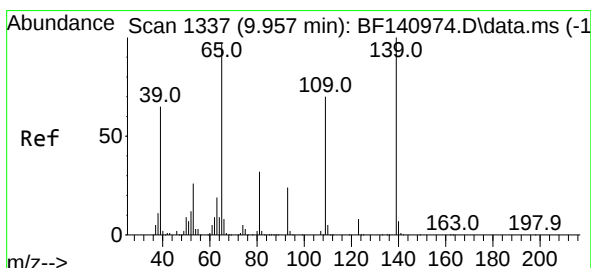
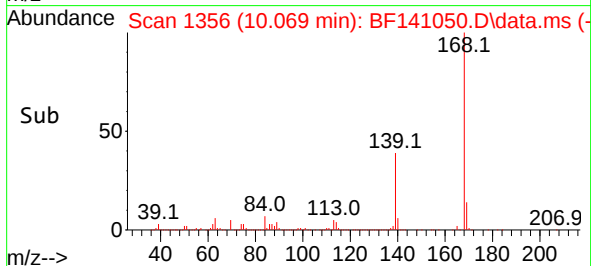
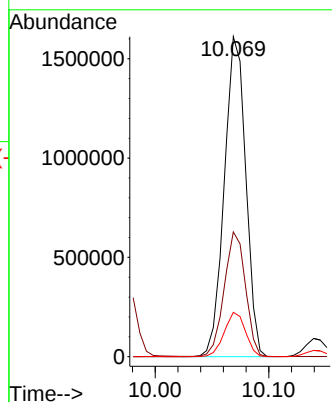
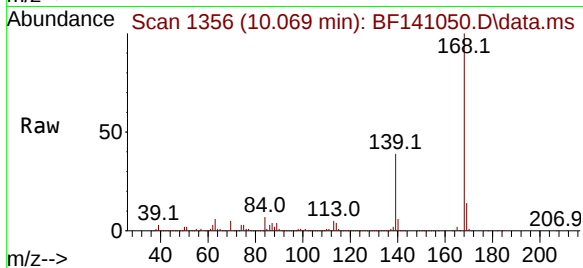
Tgt Ion:168 Resp: 2117754

Ion Ratio Lower Upper

168 100

139 39.0 31.6 47.4

169 13.8 11.0 16.6



#56

4-Nitrophenol

Concen: 120.535 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.018 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

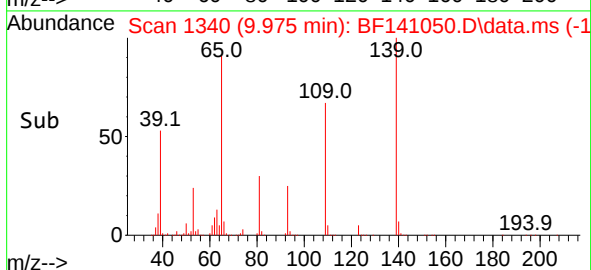
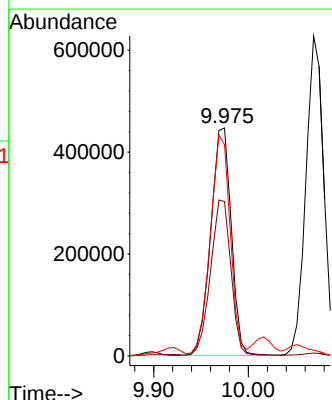
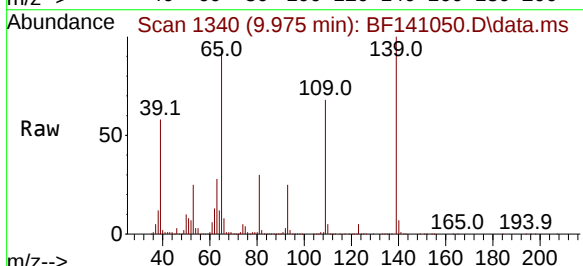
Tgt Ion:139 Resp: 673553

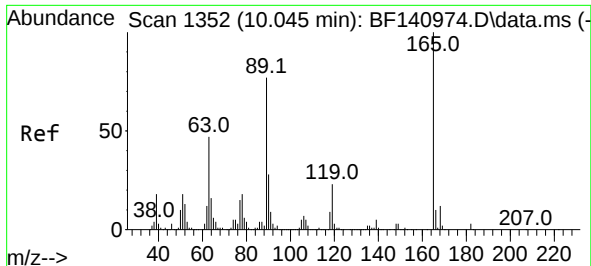
Ion Ratio Lower Upper

139 100

109 67.7 50.8 90.8

65 92.8 78.5 118.5

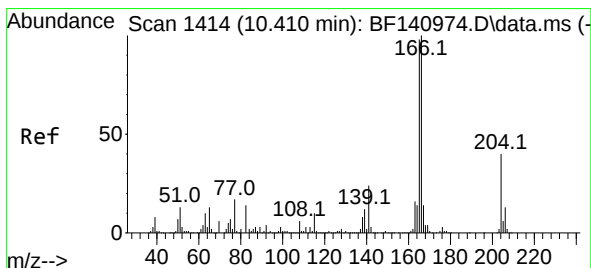
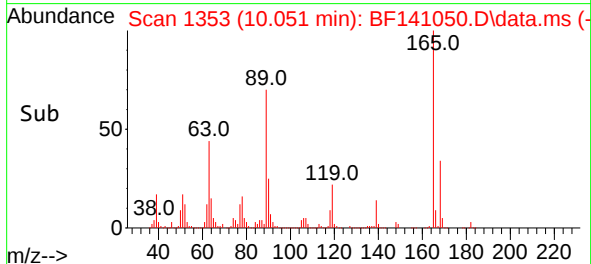
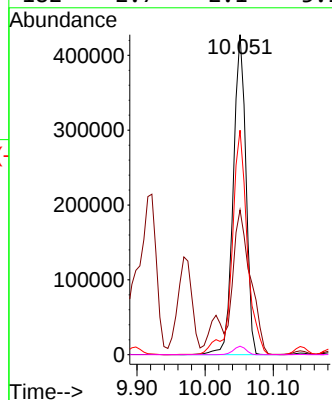
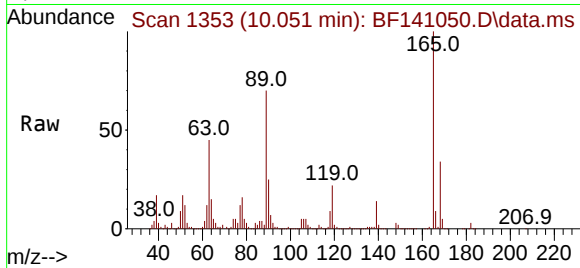




#57
2,4-Dinitrotoluene
Concen: 66.054 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

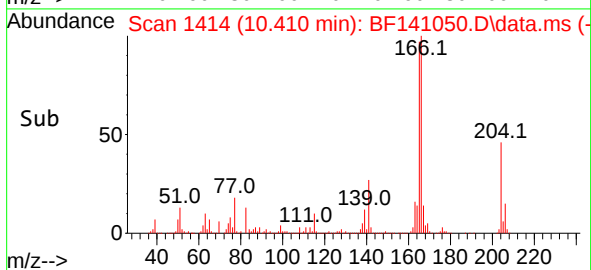
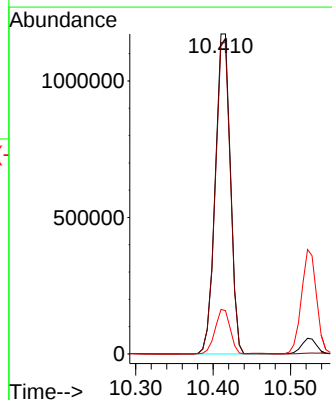
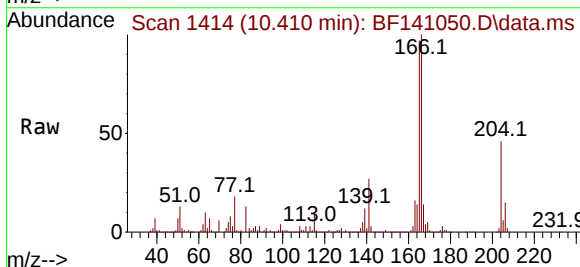
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

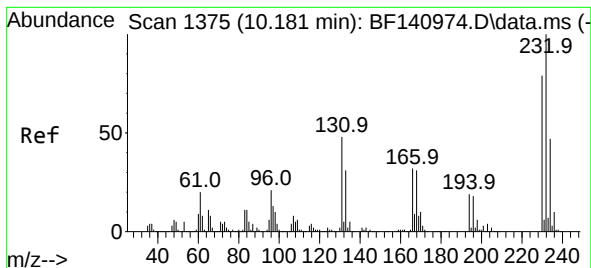
Tgt Ion:165 Resp: 553721
Ion Ratio Lower Upper
165 100
63 45.3 38.1 57.1
89 70.2 61.4 92.2
182 2.7 2.1 3.1



#58
Fluorene
Concen: 50.861 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:166 Resp: 1590906
Ion Ratio Lower Upper
166 100
165 97.3 78.3 117.5
167 13.9 10.9 16.3

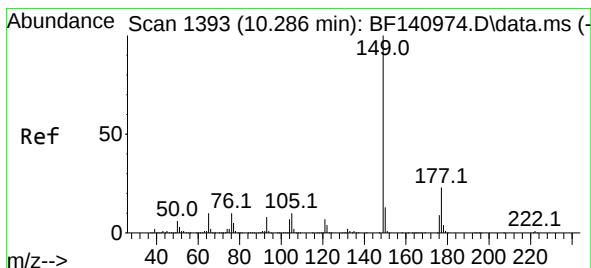
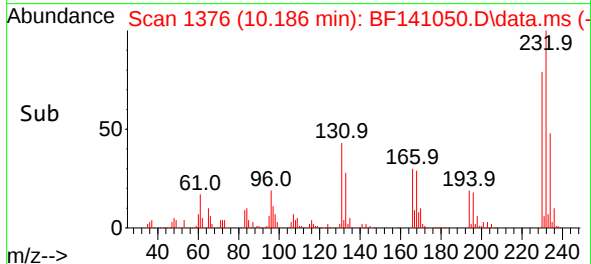
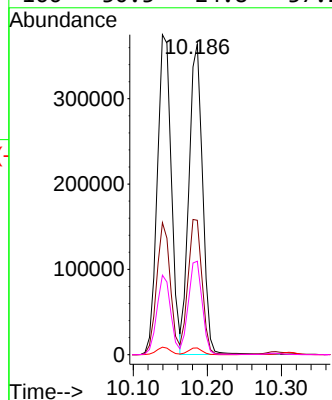
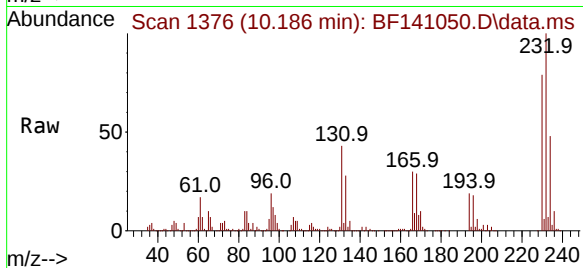




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.364 ng
RT: 10.186 min Scan# 1375
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

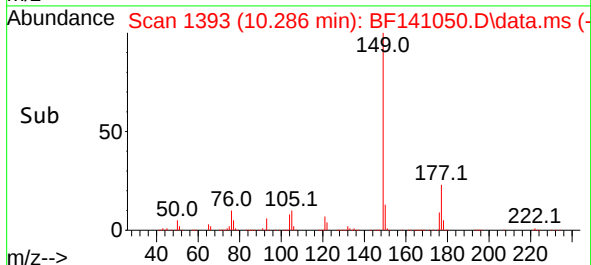
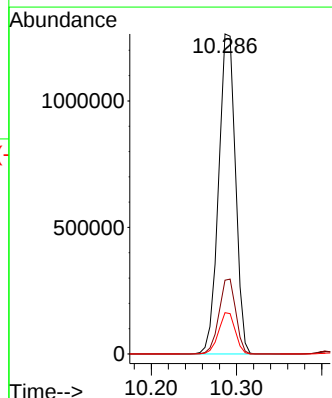
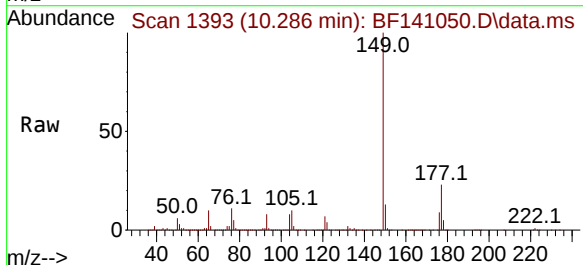
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

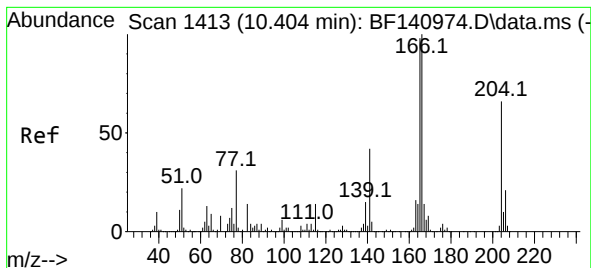
Tgt Ion:232 Resp: 465162
Ion Ratio Lower Upper
232 100
131 44.6 37.4 56.2
130 2.2 1.8 2.8
166 30.3 24.8 37.2



#60
Diethylphthalate
Concen: 53.874 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:149 Resp: 1737471
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.9 10.4 15.6

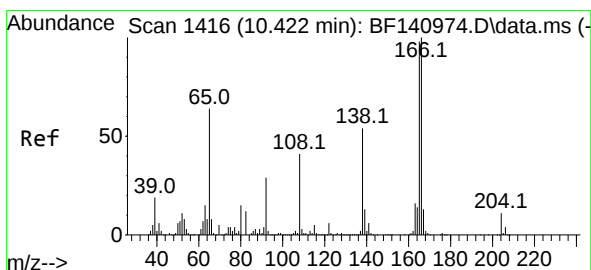
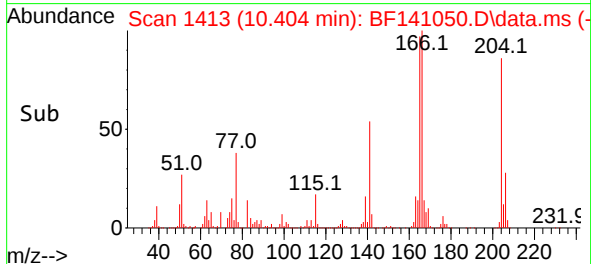
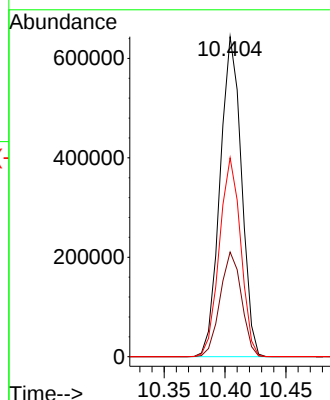
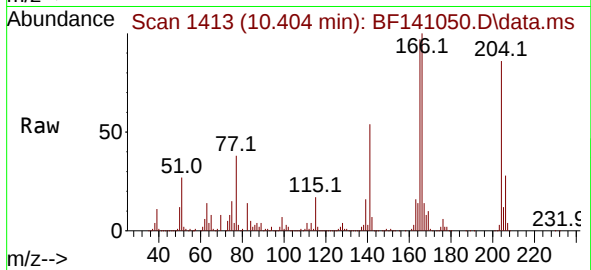




#61
4-Chlorophenyl-phenylether
Concen: 52.419 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

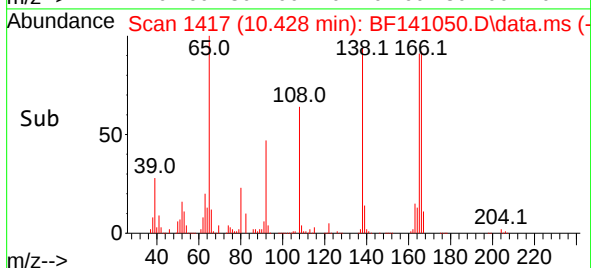
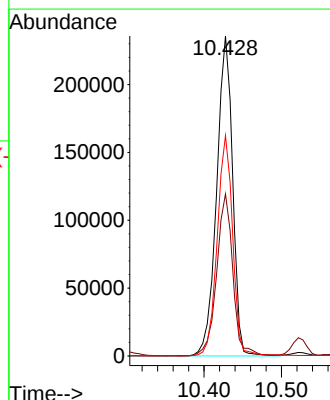
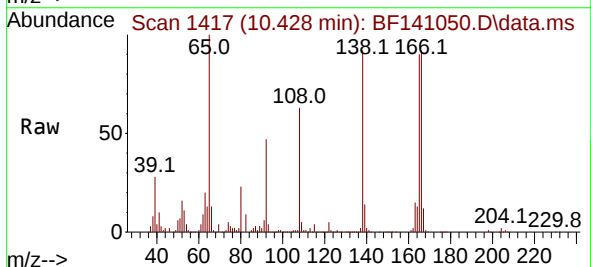
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:204 Resp: 788959
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 62.1 51.2 76.8



#62
4-Nitroaniline
Concen: 46.707 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:138 Resp: 337363
Ion Ratio Lower Upper
138 100
92 50.6 34.8 74.8
108 68.8 55.9 95.9





#63

Azobenzene

Concen: 51.072 ng

RT: 10.563 min Scan# 1440

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion: 77 Resp: 1728825

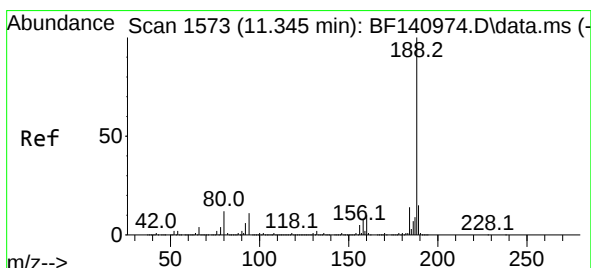
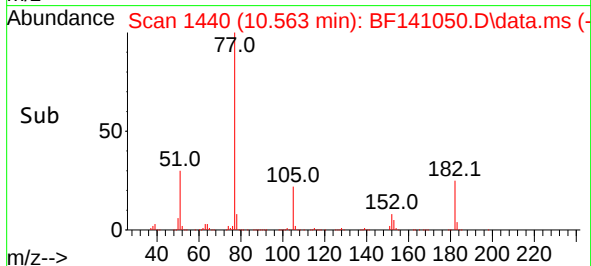
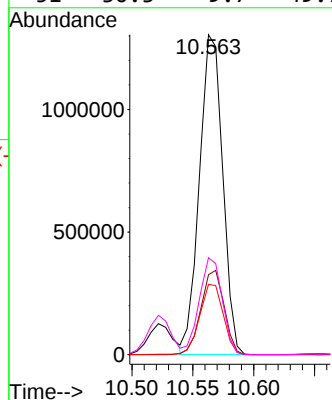
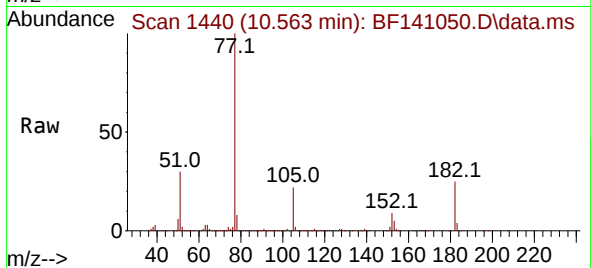
Ion Ratio Lower Upper

77 100

182 25.0 4.1 44.1

105 21.9 1.8 41.8

51 30.3 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: BF141050.D

Acq: 31 Dec 2024 11:23

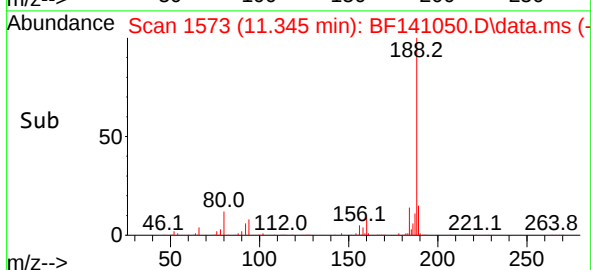
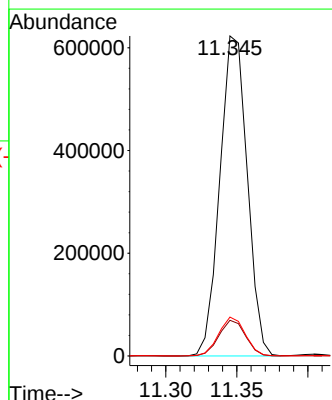
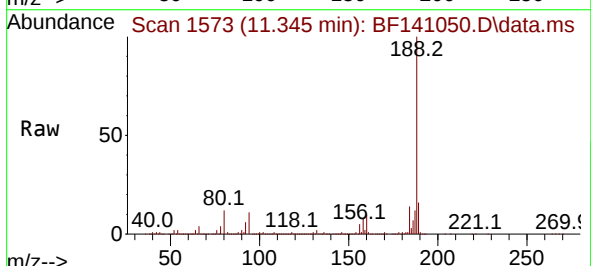
Tgt Ion: 188 Resp: 836009

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.6

80 12.2 9.8 14.6

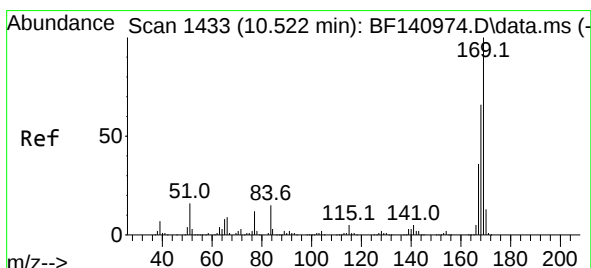
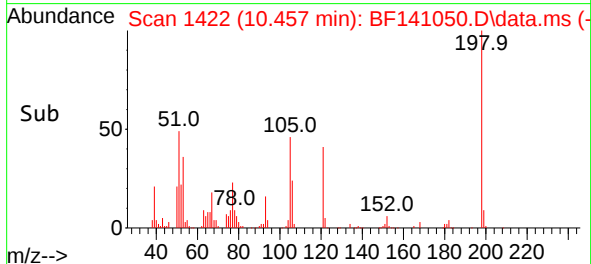
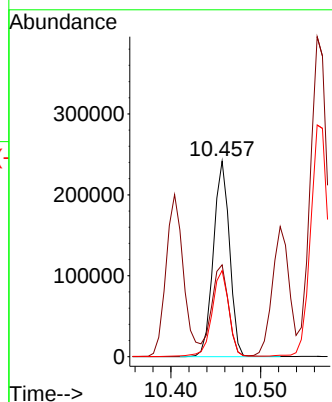
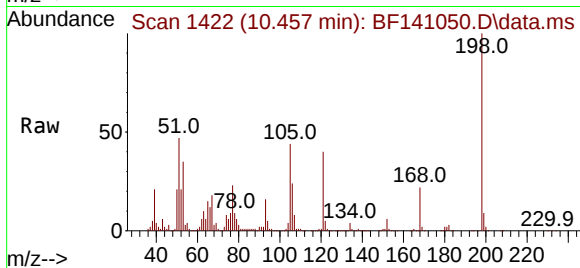




#65
4,6-Dinitro-2-methylphenol
Concen: 82.168 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

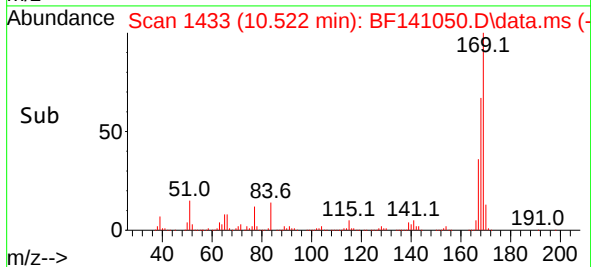
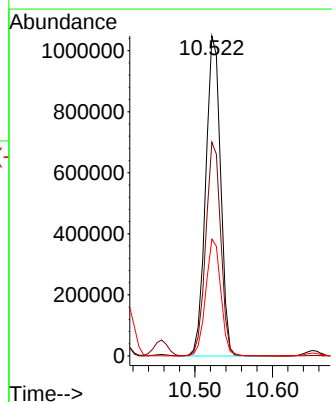
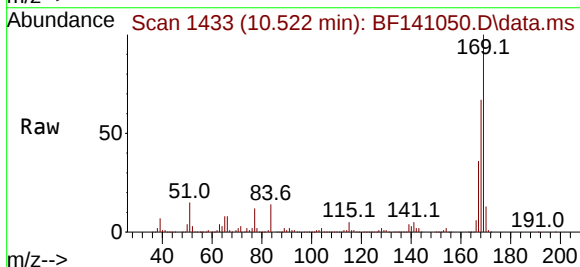
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

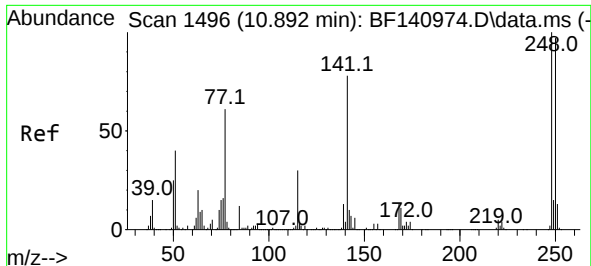
Tgt Ion:198 Resp: 301414
Ion Ratio Lower Upper
198 100
51 47.0 32.3 72.3
105 44.1 28.4 68.4



#66
n-Nitrosodiphenylamine
Concen: 52.920 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:169 Resp: 1393151
Ion Ratio Lower Upper
169 100
168 66.8 52.6 79.0
167 36.5 29.0 43.4

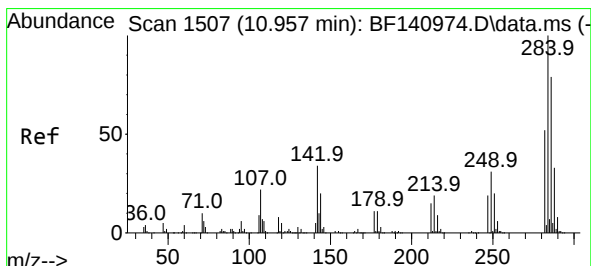
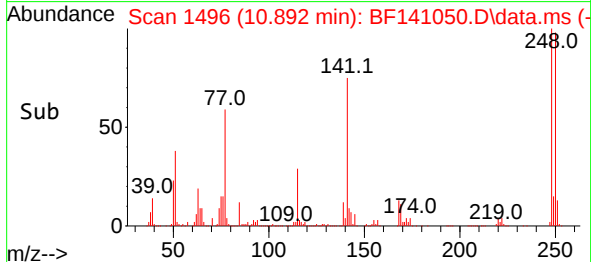
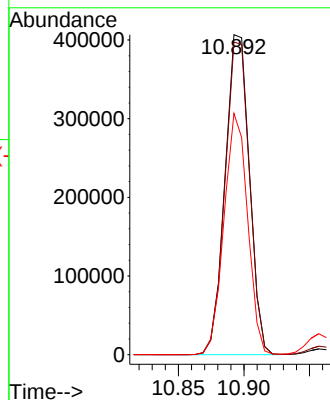
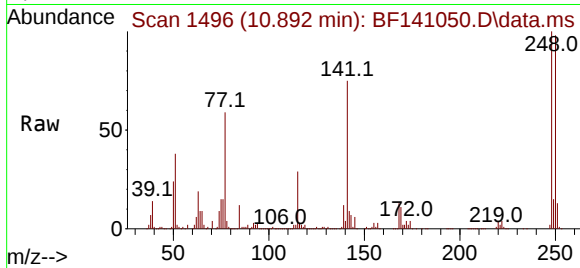




#67
4-Bromophenyl-phenylether
Concen: 58.385 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

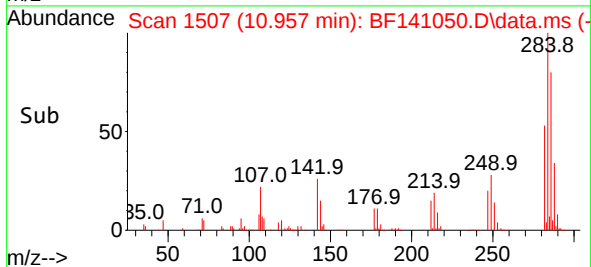
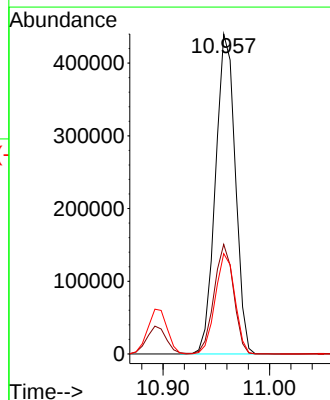
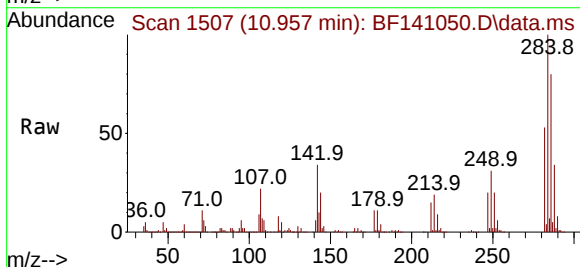
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

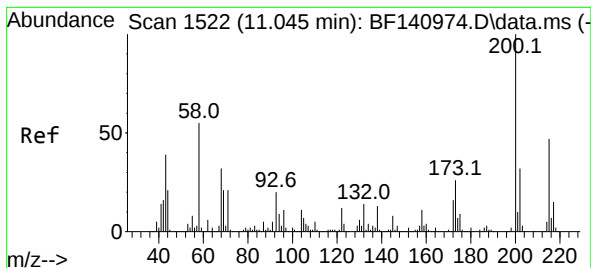
Tgt Ion:248 Resp: 527647
Ion Ratio Lower Upper
248 100
250 97.7 77.7 116.5
141 75.4 62.1 93.1



#68
Hexachlorobenzene
Concen: 56.924 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:284 Resp: 567260
Ion Ratio Lower Upper
284 100
142 34.2 27.1 40.7
249 31.3 25.1 37.7





#69

Atrazine

Concen: 40.574 ng

RT: 11.045 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

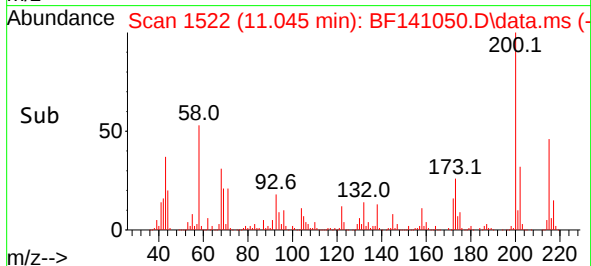
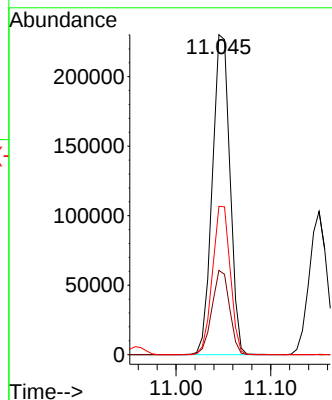
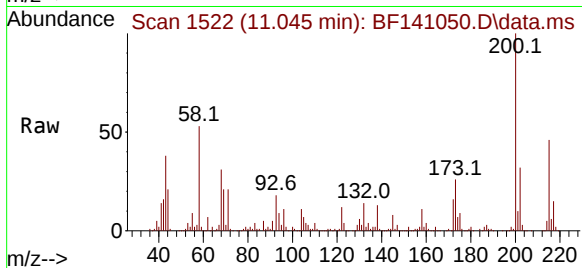
Tgt Ion:200 Resp: 298407

Ion Ratio Lower Upper

200 100

173 26.4 6.4 46.4

215 46.4 27.2 67.2



#70

Pentachlorophenol

Concen: 116.419 ng

RT: 11.151 min Scan# 1540

Delta R.T. 0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

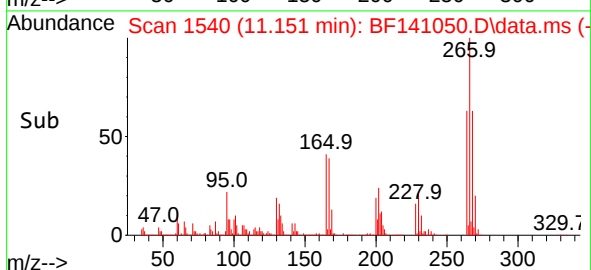
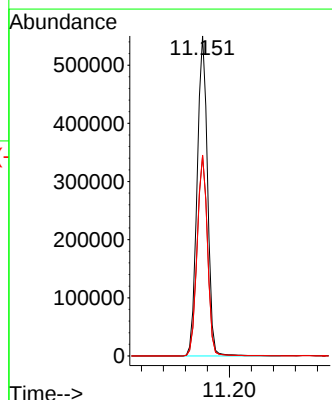
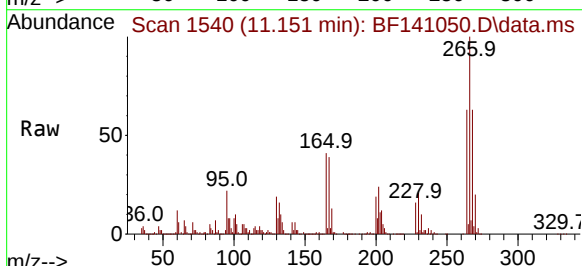
Tgt Ion:266 Resp: 722306

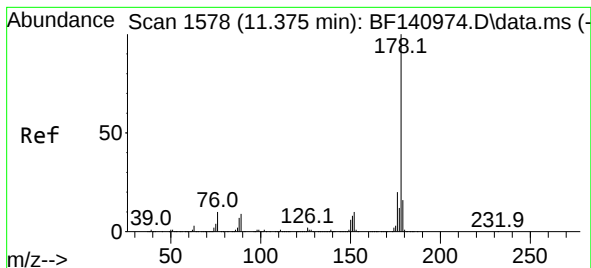
Ion Ratio Lower Upper

266 100

268 62.6 50.5 75.7

264 62.8 50.2 75.4





#71

Phenanthrene

Concen: 53.762 ng

RT: 11.375 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

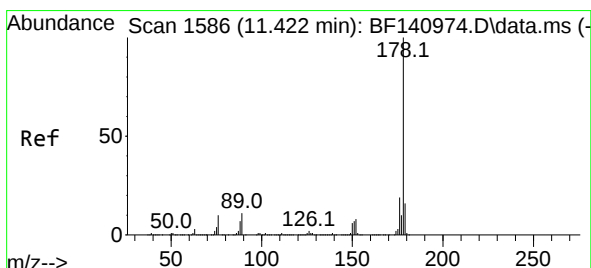
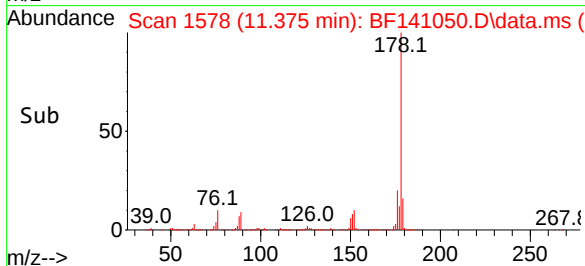
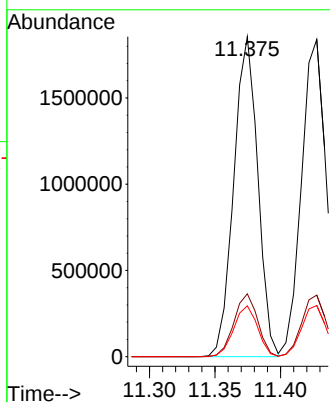
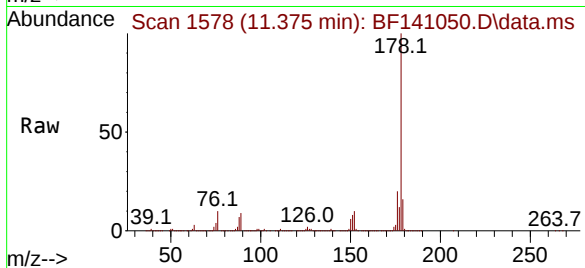
Tgt Ion:178 Resp: 2365531

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.9 12.6 19.0



#72

Anthracene

Concen: 55.270 ng

RT: 11.428 min Scan# 1587

Delta R.T. 0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

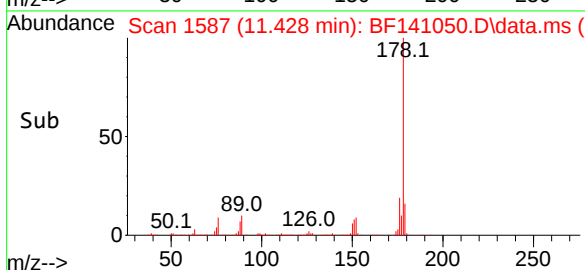
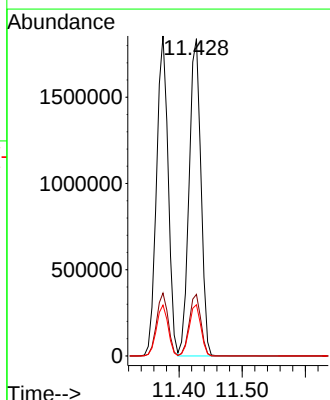
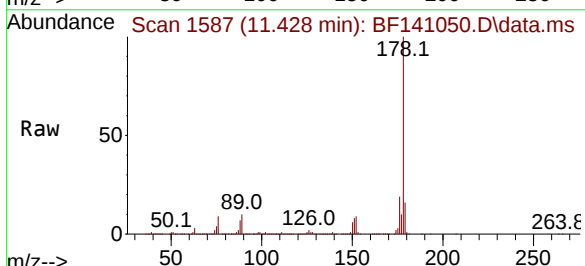
Tgt Ion:178 Resp: 2382942

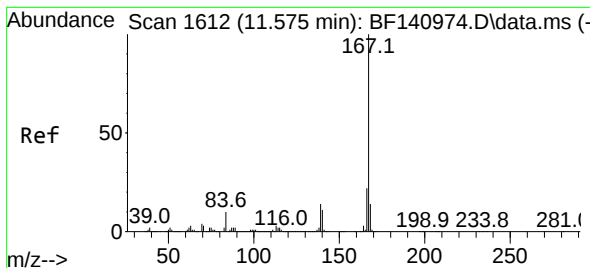
Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 16.2 12.9 19.3





#73

Carbazole

Concen: 48.920 ng

RT: 11.575 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

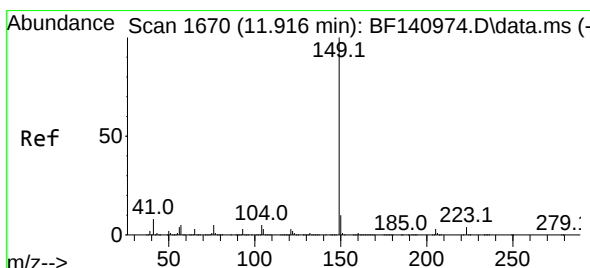
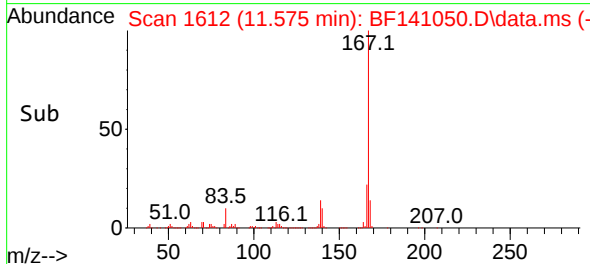
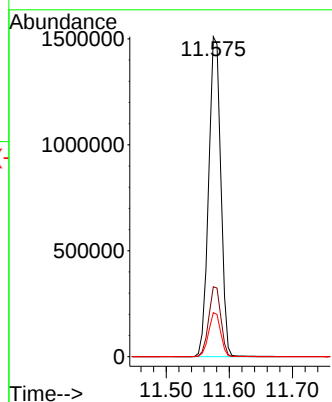
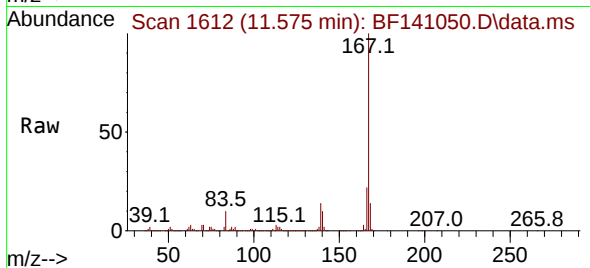
BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:167 Resp: 2027569

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.8	11.0	16.4



#74

Di-n-butylphthalate

Concen: 54.661 ng

RT: 11.910 min Scan# 1669

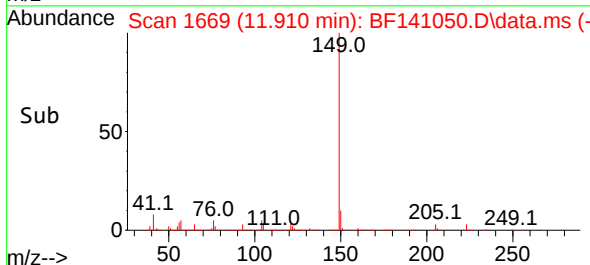
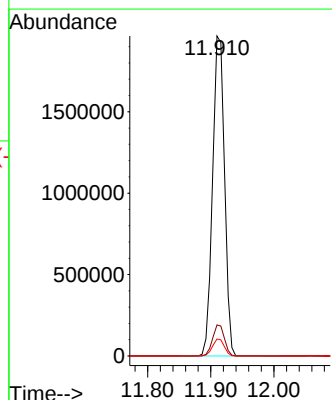
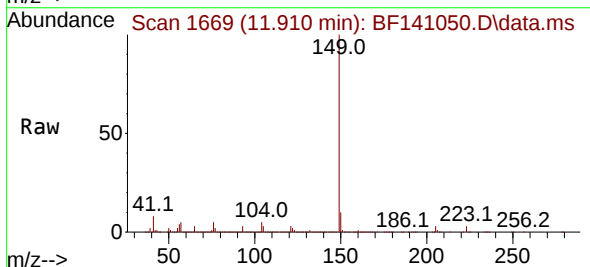
Delta R.T. -0.006 min

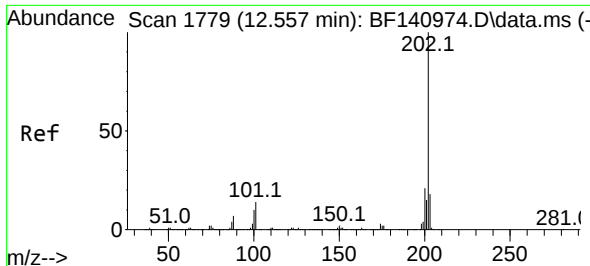
Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Tgt Ion:149 Resp: 2576813

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1

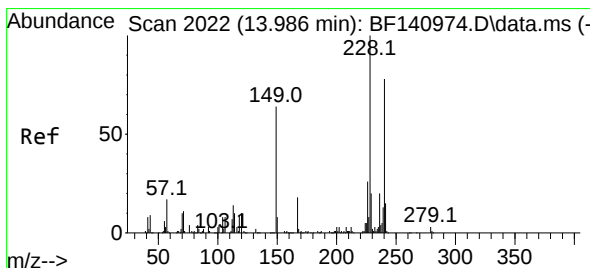
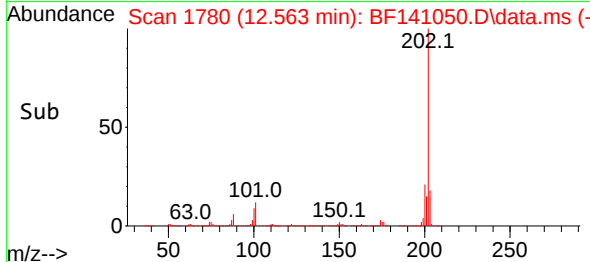
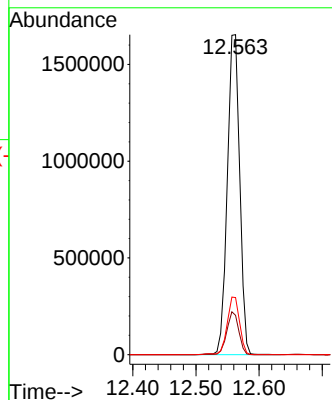
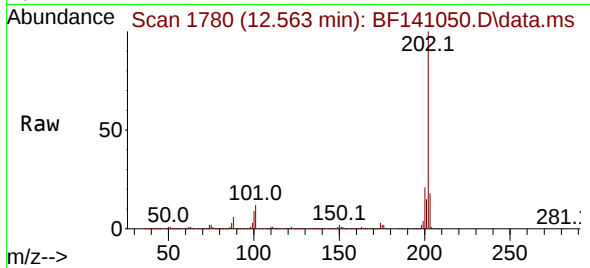




#75
Fluoranthene
Concen: 47.295 ng
RT: 12.563 min Scan# 1779
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

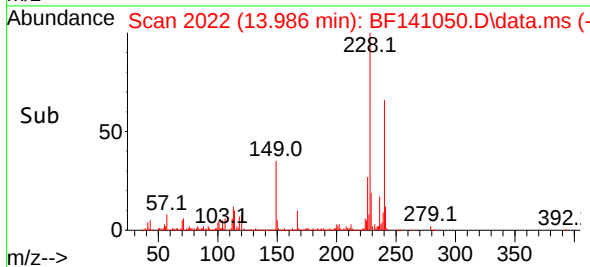
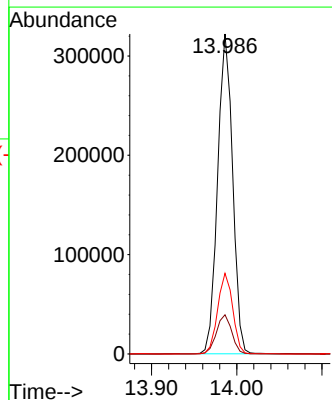
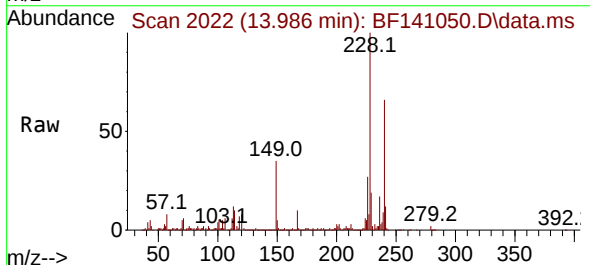
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

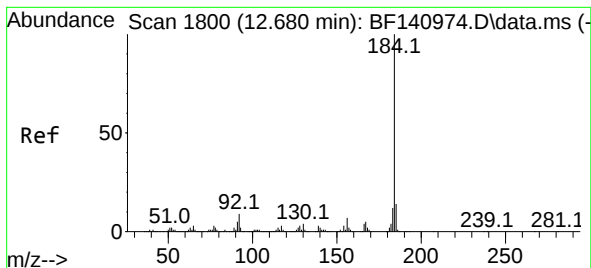
Tgt Ion:202 Resp: 2256974
Ion Ratio Lower Upper
202 100
101 12.3 0.0 33.7
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:240 Resp: 393323
Ion Ratio Lower Upper
240 100
120 12.3 10.7 16.1
236 25.2 20.6 31.0





#77

Benzidine

Concen: 6.922 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

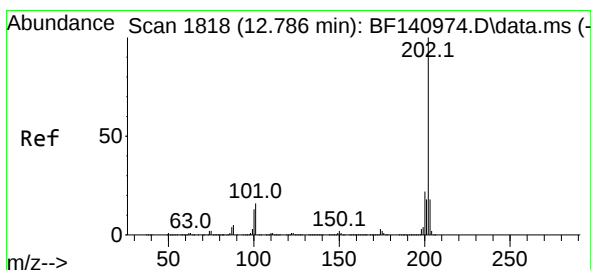
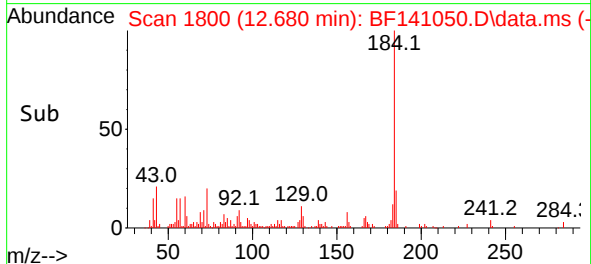
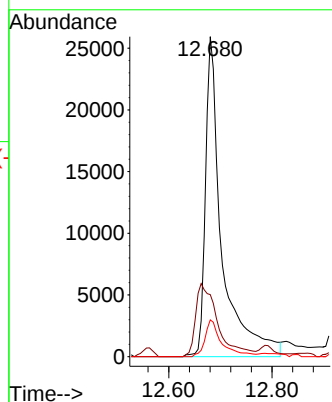
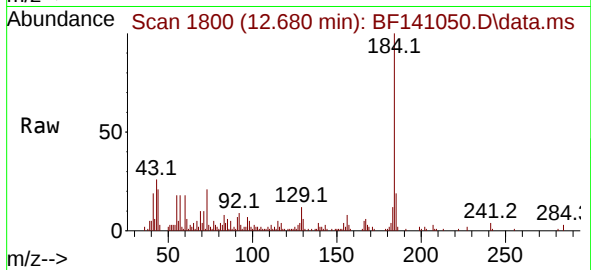
Tgt Ion:184 Resp: 57535

Ion Ratio Lower Upper

184 100

185 19.4 11.4 17.2#

183 11.5 9.4 14.0



#78

Pyrene

Concen: 64.070 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

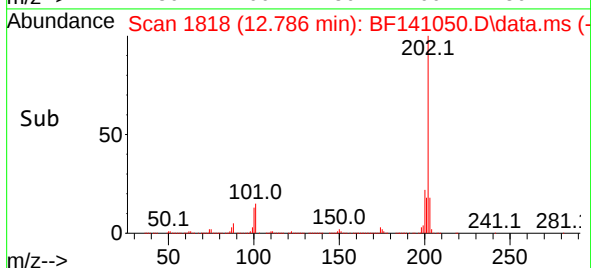
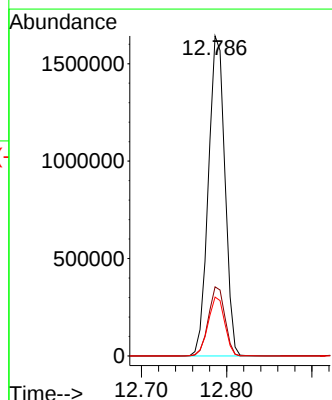
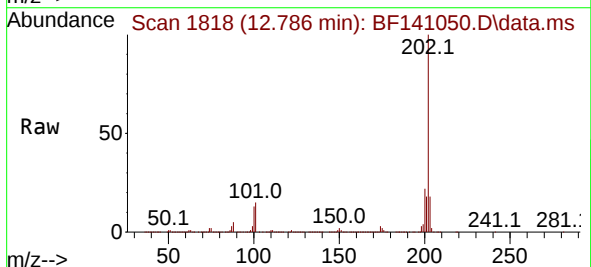
Tgt Ion:202 Resp: 2203962

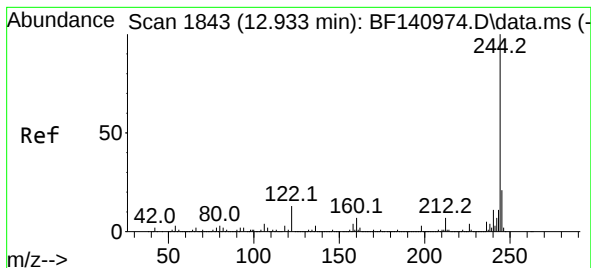
Ion Ratio Lower Upper

202 100

200 21.6 17.3 25.9

203 18.4 14.6 21.8





#79

Terphenyl-d14

Concen: 125.649 ng

RT: 12.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

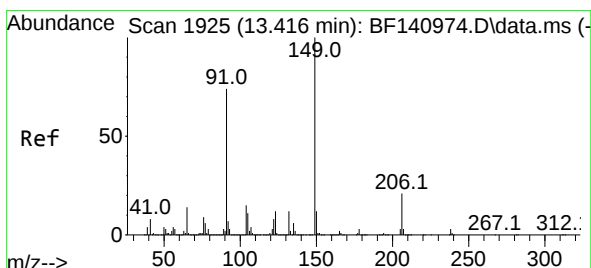
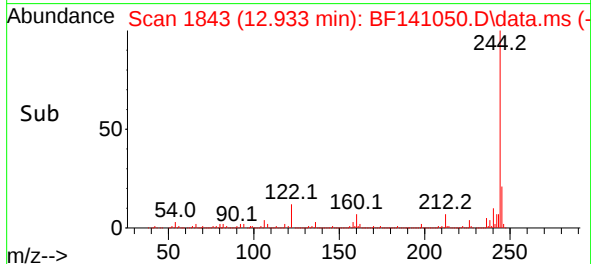
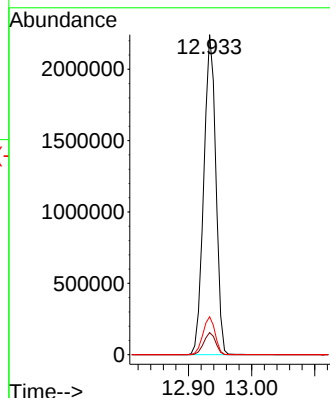
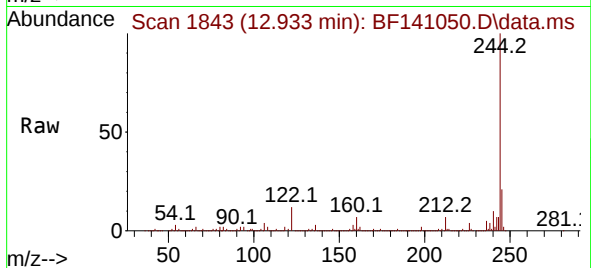
Tgt Ion:244 Resp: 2975359

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.9 10.2 15.2



#80

Butylbenzylphthalate

Concen: 65.596 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

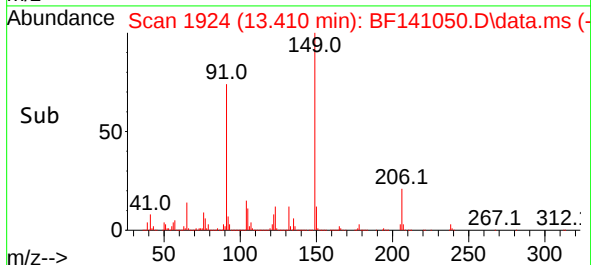
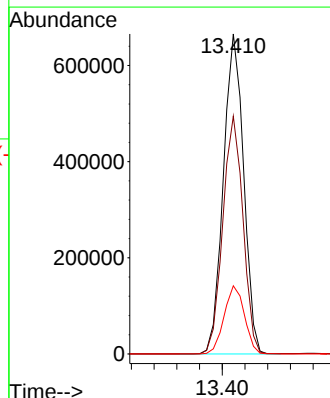
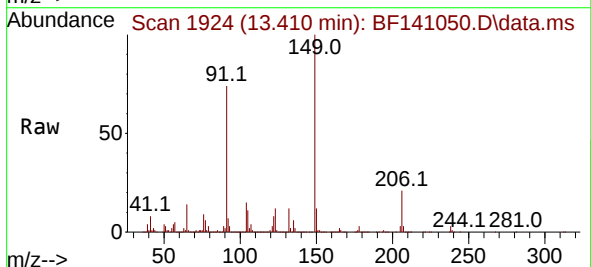
Tgt Ion:149 Resp: 823945

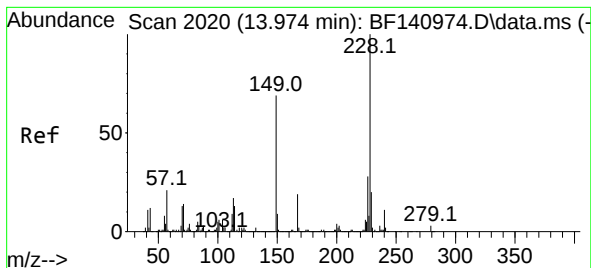
Ion Ratio Lower Upper

149 100

91 74.3 59.5 89.3

206 21.3 17.1 25.7





#81

Benzo(a)anthracene

Concen: 50.400 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

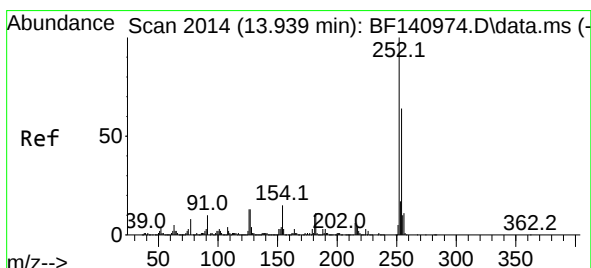
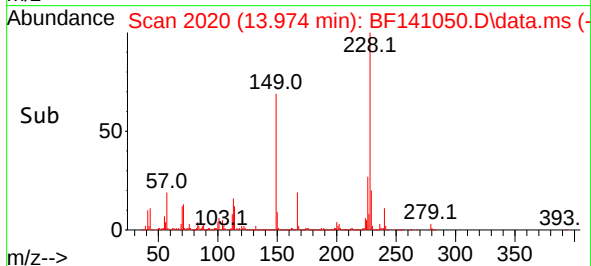
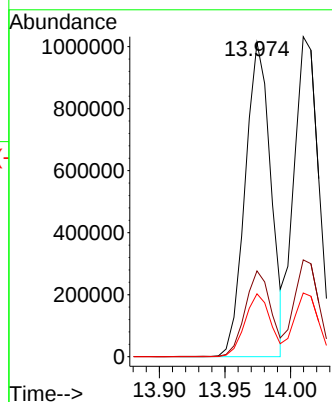
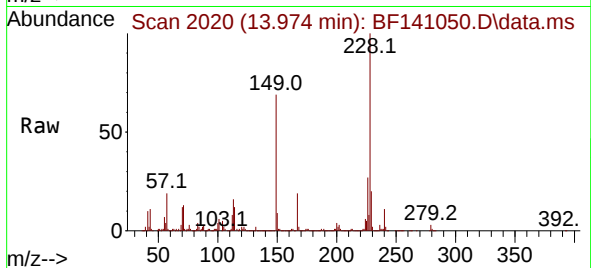
Tgt Ion:228 Resp: 1381591

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 20.0 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 11.707 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

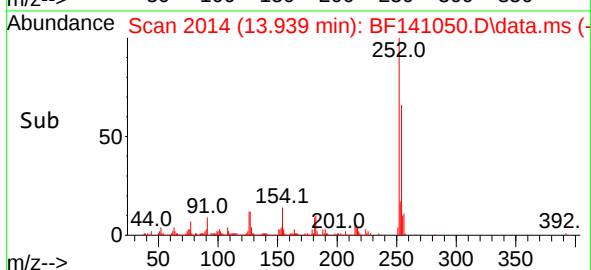
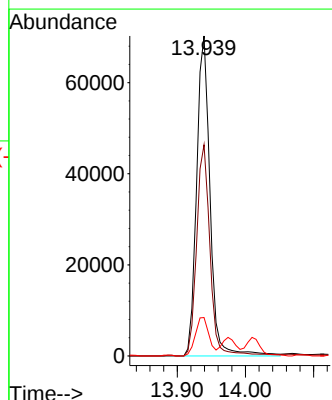
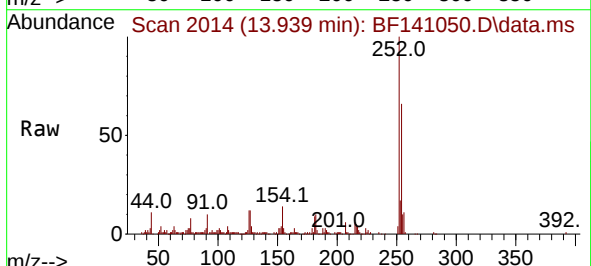
Tgt Ion:252 Resp: 96417

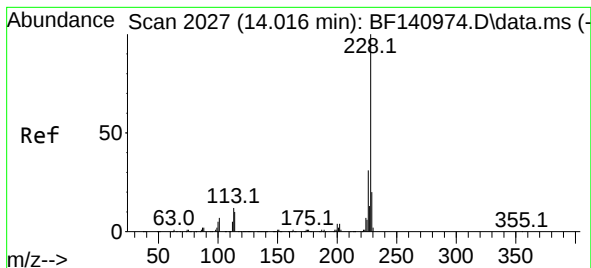
Ion Ratio Lower Upper

252 100

254 66.0 51.5 77.3

126 12.0 10.3 15.5





#83

Chrysene

Concen: 54.275 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

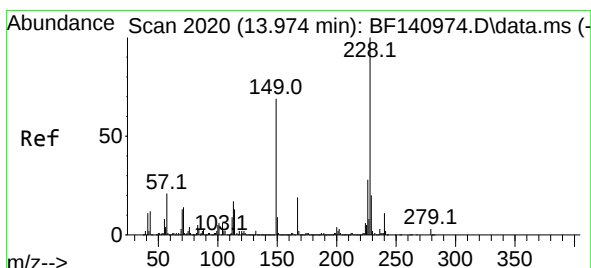
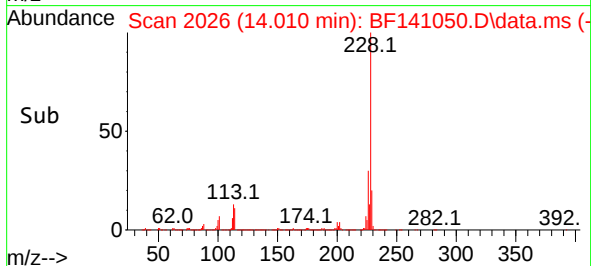
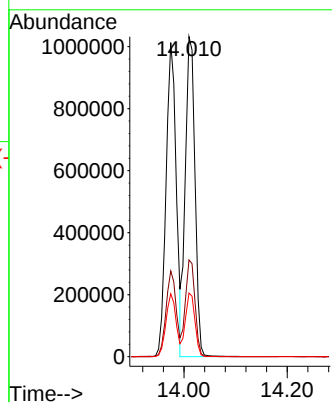
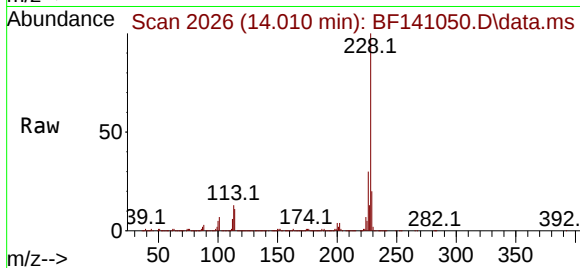
Tgt Ion:228 Resp: 1341215

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 19.9 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.385 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

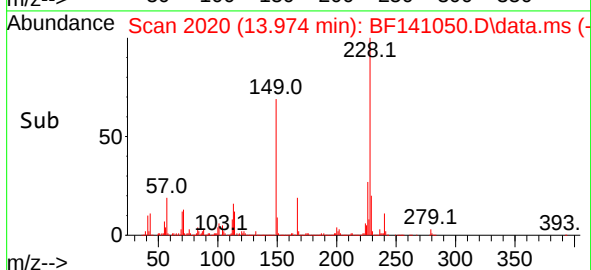
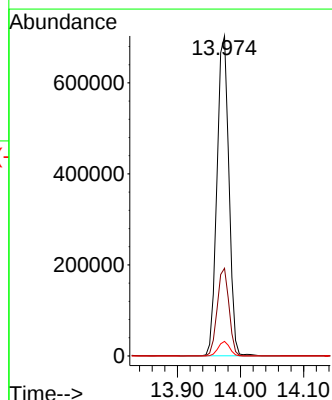
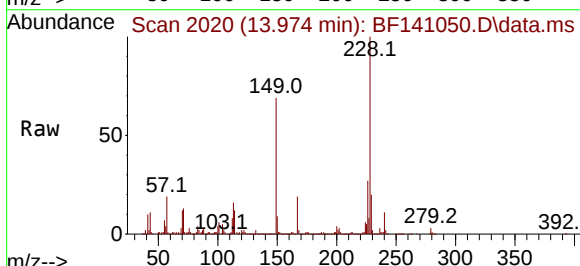
Tgt Ion:149 Resp: 918706

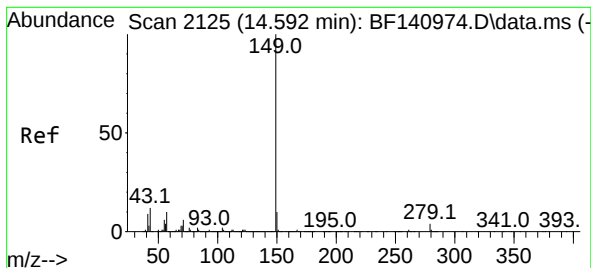
Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

279 4.6 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 60.294 ng

RT: 14.592 min Scan# 2125

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

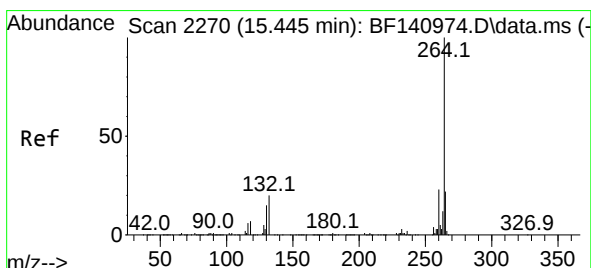
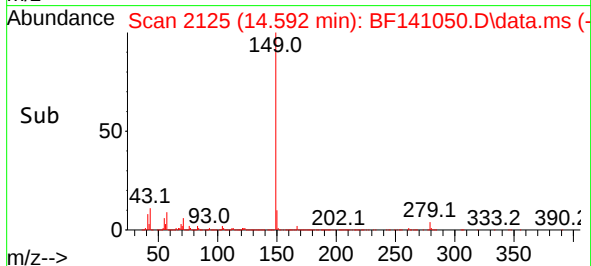
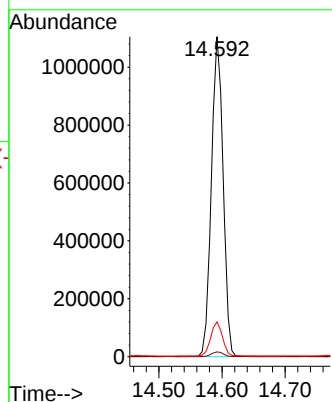
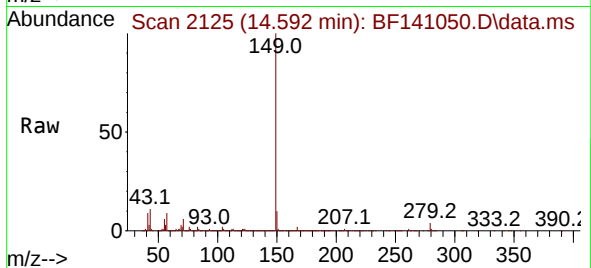
Tgt Ion:149 Resp: 1421857

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.6 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: BF141050.D

Acq: 31 Dec 2024 11:23

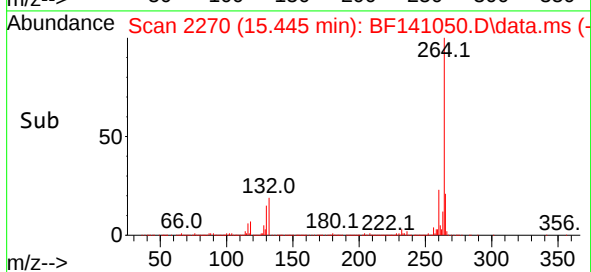
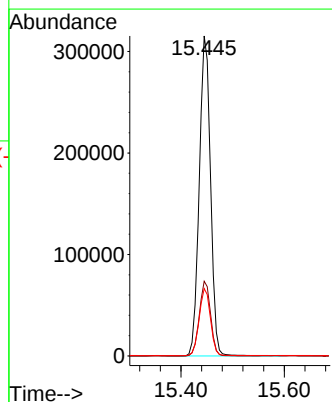
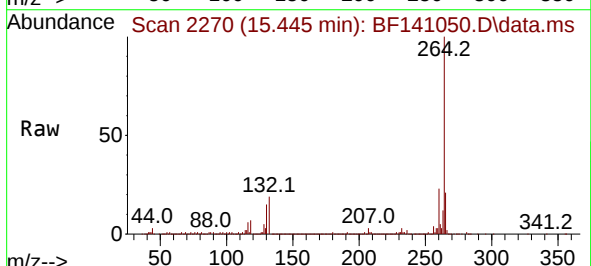
Tgt Ion:264 Resp: 476566

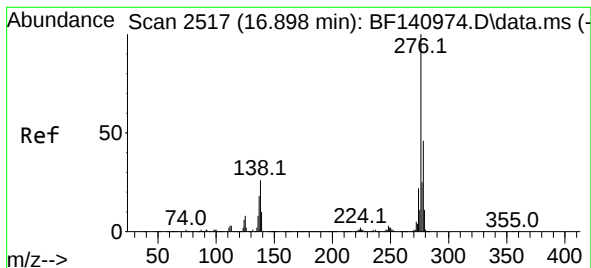
Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 68.008 ng

RT: 16.910 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

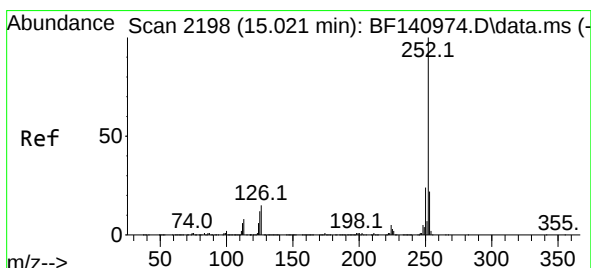
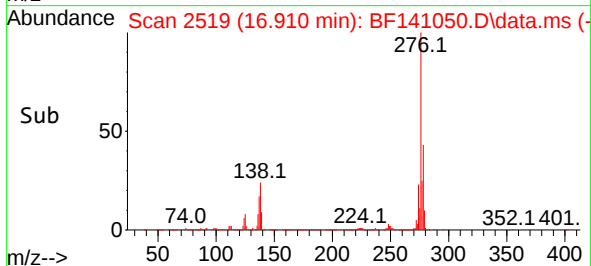
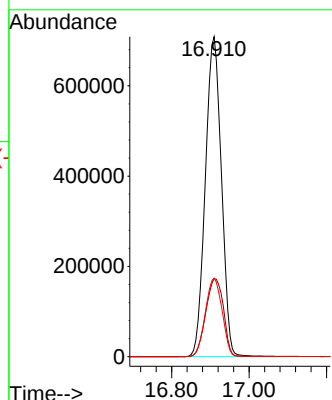
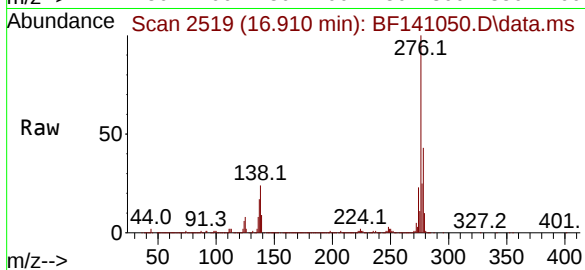
Tgt Ion:276 Resp: 2041908

Ion Ratio Lower Upper

276 100

138 26.8 23.1 34.7

277 25.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 46.138 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

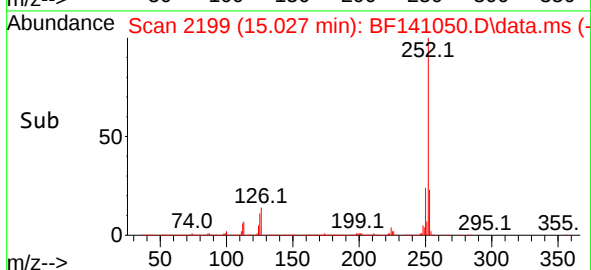
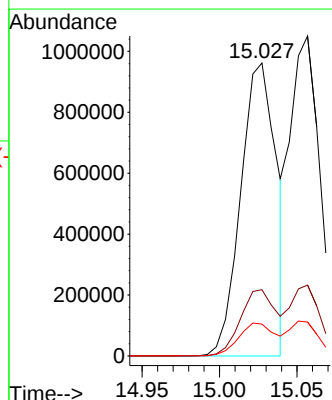
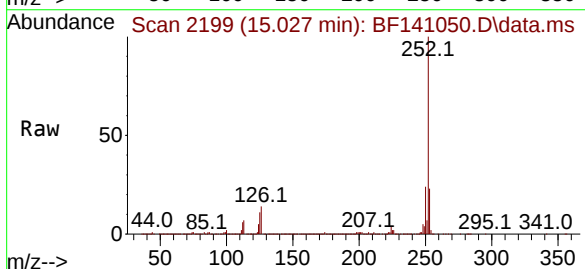
Tgt Ion:252 Resp: 1533522

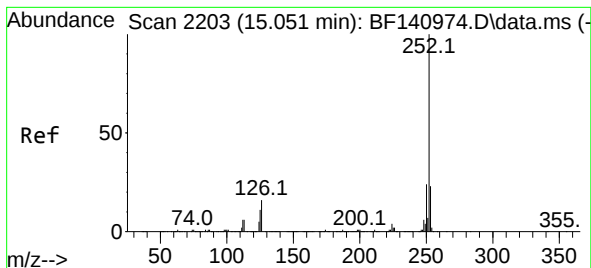
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 10.9 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 53.469 ng

RT: 15.057 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

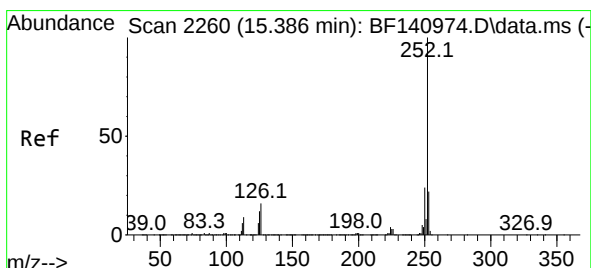
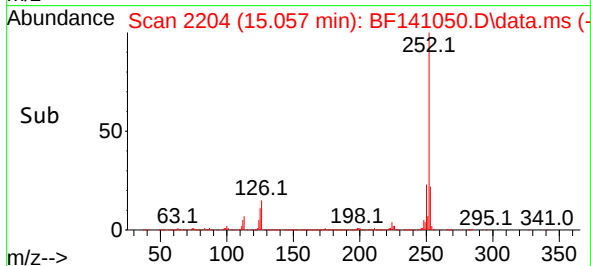
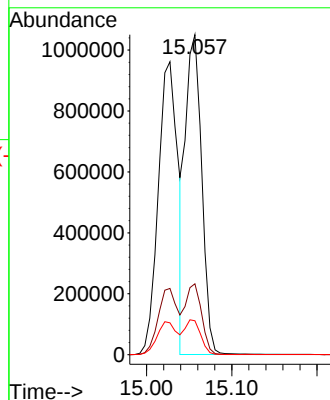
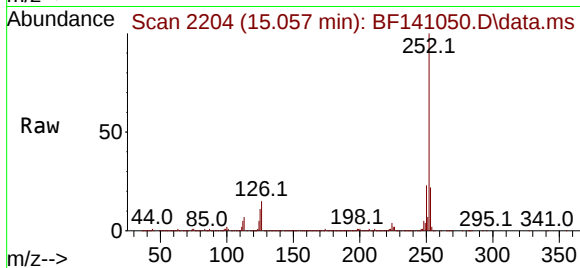
Tgt Ion:252 Resp: 1392896

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 10.6 9.4 14.0



#90

Benzo(a)pyrene

Concen: 57.172 ng

RT: 15.386 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

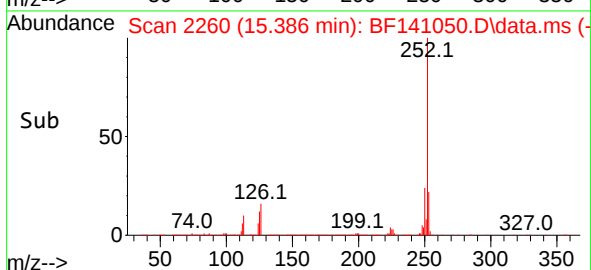
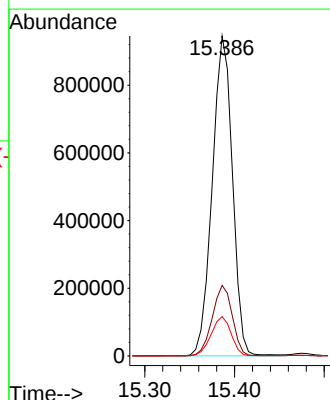
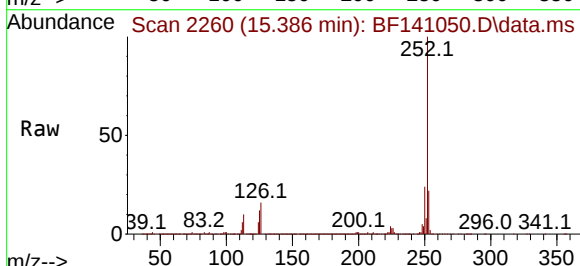
Tgt Ion:252 Resp: 1474947

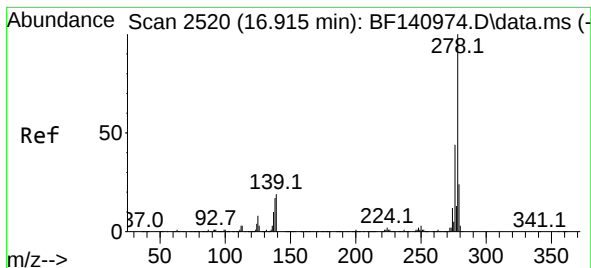
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.3 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 68.084 ng

RT: 16.927 min Scan# 2522

Delta R.T. 0.012 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

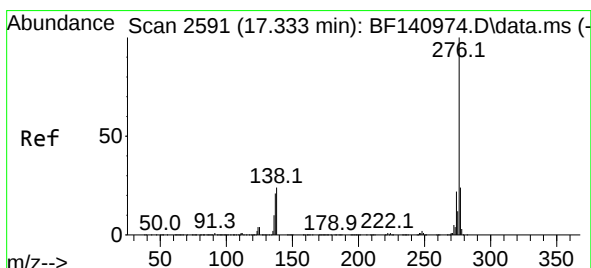
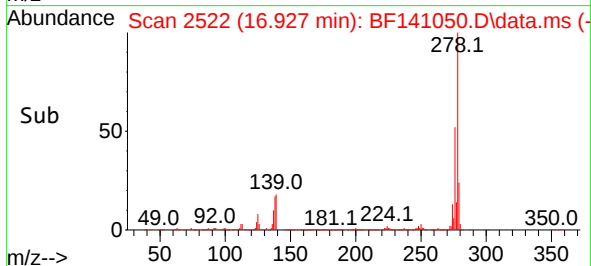
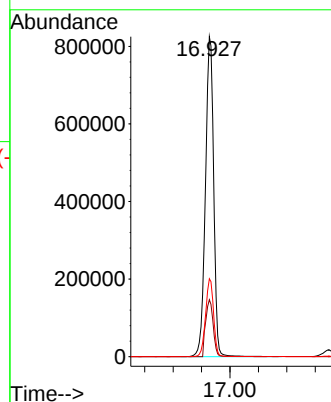
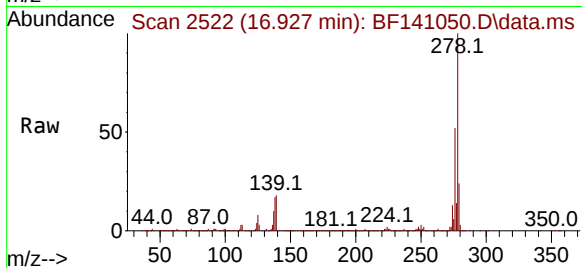
Tgt Ion:278 Resp: 1657060

Ion Ratio Lower Upper

278 100

139 17.8 14.9 22.3

279 24.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 61.533 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.012 min

Lab File: BF141050.D

Acq: 31 Dec 2024 11:23

Tgt Ion:276 Resp: 1553299

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 23.4 19.4 29.2

