

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
 Data File : BF141051.D
 Acq On : 31 Dec 2024 11:49
 Operator : RC/JU
 Sample : P5362-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 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	232407	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	925099	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	503882	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	849705	20.000	ng	0.00
76) Chrysene-d12	13.986	240	416215	20.000	ng	0.00
86) Perylene-d12	15.439	264	472841	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	2232244	144.782	ng	0.02
7) Phenol-d6	6.457	99	2798607	140.905	ng	0.00
23) Nitrobenzene-d5	7.393	82	1830790	126.614	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	902078	184.238	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	3174486	100.375	ng	0.00
79) Terphenyl-d14	12.933	244	3052555	121.819	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.757	88	301805	43.237	ng	# 84
3) Pyridine	3.463	79	525609	30.812	ng	99
4) n-Nitrosodimethylamine	3.393	42	404046	46.747	ng	98
6) Aniline	6.493	93	313867	17.719	ng	96
8) 2-Chlorophenol	6.616	128	856828	52.711	ng	96
10) Phenol	6.475	94	994035	48.401	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	791469	47.729	ng	97
12) 1,3-Dichlorobenzene	6.769	146	845122	47.109	ng	100
13) 1,4-Dichlorobenzene	6.845	146	855568	47.309	ng	99
14) 1,2-Dichlorobenzene	6.998	146	821715	48.733	ng	99
15) Benzyl Alcohol	6.969	79	713963	50.023	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1231138	49.092	ng	99
17) 2-Methylphenol	7.081	107	691685	51.219	ng	99
18) Hexachloroethane	7.345	117	315734	49.147	ng	98
19) n-Nitroso-di-n-propyla...	7.245	70	598936	49.223	ng	99
20) 3+4-Methylphenols	7.234	107	847125	49.570	ng	# 85
22) Acetophenone	7.240	105	1093369	48.179	ng	98
24) Nitrobenzene	7.410	77	884486	54.743	ng	96
25) Isophorone	7.651	82	1611721	51.223	ng	100
26) 2-Nitrophenol	7.728	139	438453	64.206	ng	98
27) 2,4-Dimethylphenol	7.757	122	700554	60.921	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	987760	49.547	ng	100
29) 2,4-Dichlorophenol	7.963	162	694221	53.229	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	718917	48.702	ng	99
31) Naphthalene	8.134	128	2349067	48.189	ng	100
32) Benzoic acid	7.875	122	547658	56.289	ng	97
33) 4-Chloroaniline	8.175	127	72192	4.094	ng	99
34) Hexachlorobutadiene	8.251	225	426348	48.992	ng	100
35) Caprolactam	8.539	113	191933m	43.289	ng	
36) 4-Chloro-3-methylphenol	8.657	107	760877	52.532	ng	99
37) 2-Methylnaphthalene	8.822	142	1569379	50.324	ng	100
38) 1-Methylnaphthalene	8.922	142	1473767	48.086	ng	100
40) 1,2,4,5-Tetrachloroben...	8.987	216	700190	50.510	ng	99
41) Hexachlorocyclopentadiene	8.975	237	837030	182.207	ng	99
43) 2,4,6-Trichlorophenol	9.098	196	516987	56.035	ng	99
44) 2,4,5-Trichlorophenol	9.139	196	517247	54.792	ng	98

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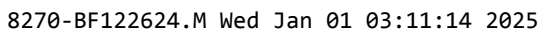
Instrument :
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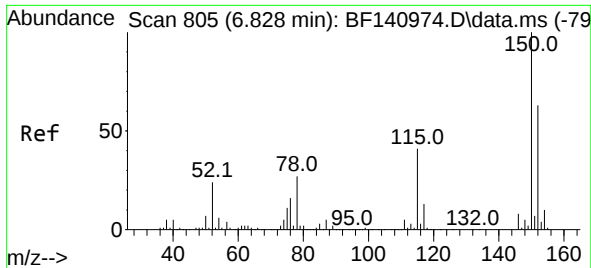
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 QLast Update : Fri Dec 27 00:31:16 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.287	154	1932118	50.078	ng	99
47) 2-Chloronaphthalene	9.310	162	1464242	48.934	ng	99
48) 2-Nitroaniline	9.404	65	460638	57.795	ng	92
49) Acenaphthylene	9.728	152	2262303	52.519	ng	99
50) Dimethylphthalate	9.586	163	1786357	53.897	ng	100
51) 2,6-Dinitrotoluene	9.645	165	395932	57.772	ng	96
52) Acenaphthene	9.898	154	1698760	58.334	ng	99
53) 3-Nitroaniline	9.810	138	65298	11.544	ng	# 95
54) 2,4-Dinitrophenol	9.922	184	446375	129.142	ng	# 1
55) Dibenzofuran	10.069	168	2073334	50.661	ng	99
56) 4-Nitrophenol	9.969	139	661085	116.604	ng	97
57) 2,4-Dinitrotoluene	10.051	165	542012	63.887	ng	95
58) Fluorene	10.410	166	1580114	49.790	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	462961	59.215	ng	97
60) Diethylphthalate	10.286	149	1712441	52.335	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	773442	50.650	ng	98
62) 4-Nitroaniline	10.428	138	328695	44.986	ng	94
63) Azobenzene	10.563	77	1711084	49.822	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	293693	79.159	ng	92
66) n-Nitrosodiphenylamine	10.522	169	1374523	51.370	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	515279	56.097	ng	98
68) Hexachlorobenzene	10.957	284	560058	55.296	ng	99
69) Atrazine	11.045	200	283213	37.888	ng	99
70) Pentachlorophenol	11.151	266	714191	113.255	ng	99
71) Phenanthrene	11.375	178	2330937	52.122	ng	100
72) Anthracene	11.422	178	2382528	54.370	ng	100
73) Carbazole	11.575	167	1997834	47.426	ng	100
74) Di-n-butylphthalate	11.910	149	2541145	53.036	ng	100
75) Fluoranthene	12.557	202	2282314	47.056	ng	99
77) Benzidine	12.680	184	44837	5.097	ng	97
78) Pyrene	12.786	202	2253520	61.908	ng	100
80) Butylbenzylphthalate	13.410	149	842846	63.410	ng	99
81) Benzo(a)anthracene	13.974	228	1407543	48.523	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	91490	10.498	ng	99
83) Chrysene	14.010	228	1343766	51.388	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	931448	54.023	ng	99
85) Di-n-octyl phthalate	14.586	149	1386309	55.553	ng	98
87) Indeno(1,2,3-cd)pyrene	16.904	276	1983646	66.588	ng	98
88) Benzo(b)fluoranthene	15.021	252	1491587	45.230	ng	99
89) Benzo(k)fluoranthene	15.051	252	1375012	53.198	ng	98
90) Benzo(a)pyrene	15.380	252	1441471	56.315	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1593652	65.995	ng	98
92) Benzo(g,h,i)perylene	17.339	276	1488983	59.450	ng	99

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

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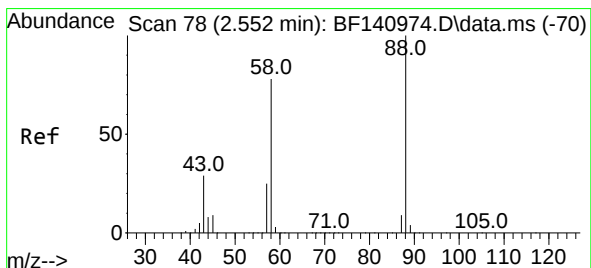
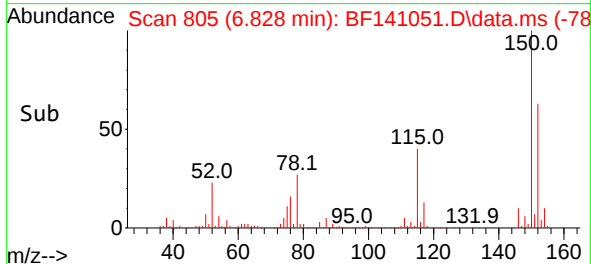
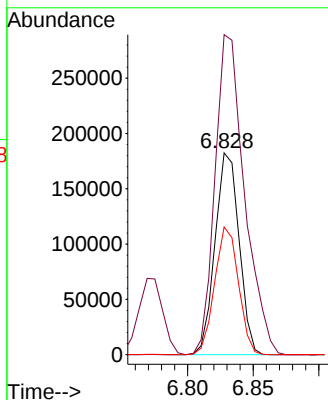
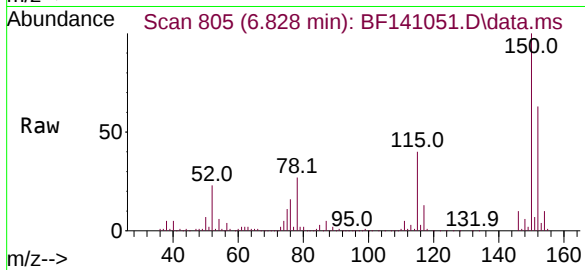




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141051.D
 Acq: 31 Dec 2024 11:49

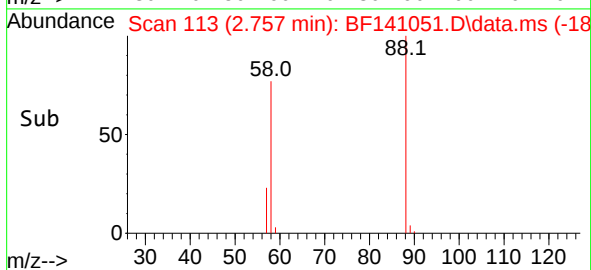
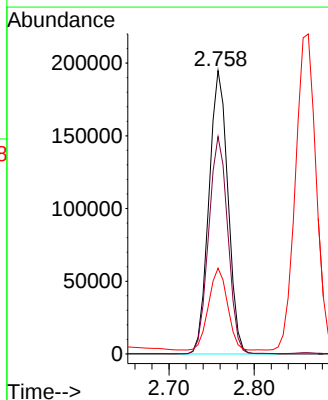
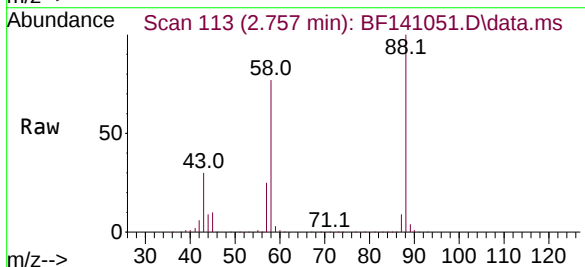
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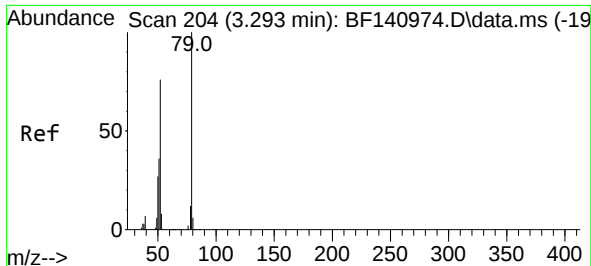
Tgt Ion:152 Resp: 232407
 Ion Ratio Lower Upper
 152 100
 150 158.6 127.0 190.6
 115 63.3 51.7 77.5



#2
 1,4-Dioxane
 Concen: 43.237 ng
 RT: 2.757 min Scan# 113
 Delta R.T. 0.206 min
 Lab File: BF141051.D
 Acq: 31 Dec 2024 11:49

Tgt Ion: 88 Resp: 301805
 Ion Ratio Lower Upper
 88 100
 58 77.1 63.0 94.4
 43 0.0 23.4 35.2#

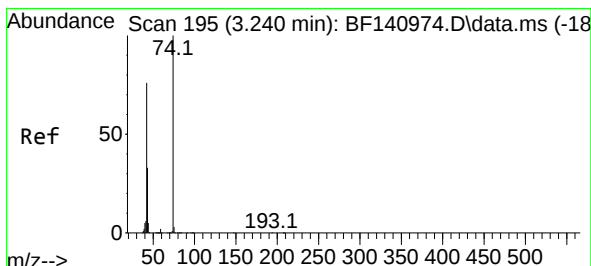
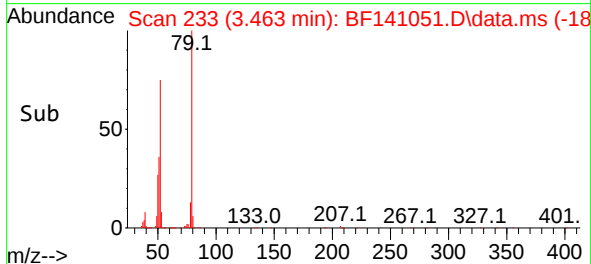
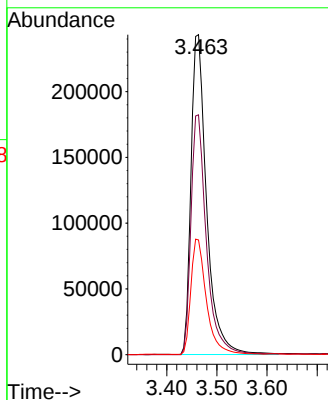
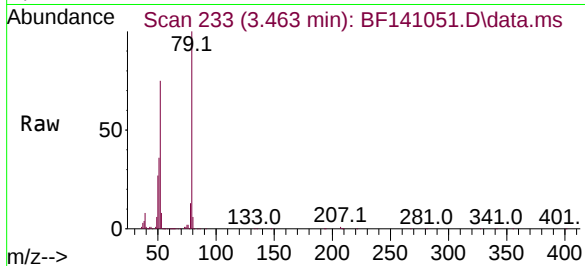




#3
Pyridine
Concen: 30.812 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.171 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

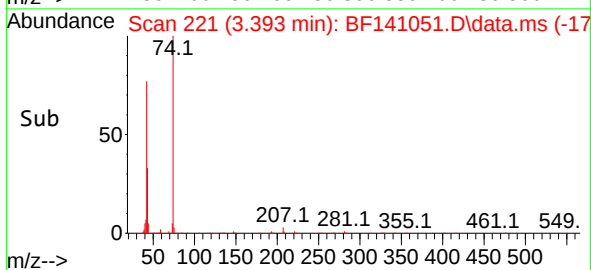
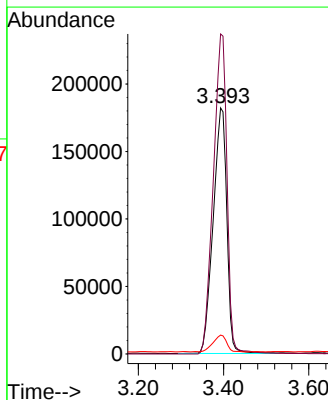
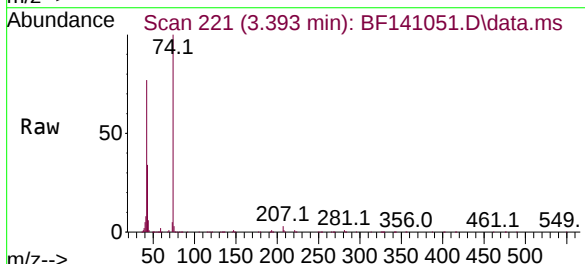
Instrument :
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ClientSampleId :
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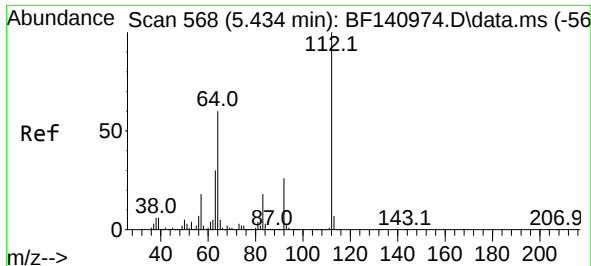
Tgt Ion: 79 Resp: 525609
Ion Ratio Lower Upper
79 100
52 75.0 60.4 90.6
51 35.9 28.8 43.2



#4
n-Nitrosodimethylamine
Concen: 46.747 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.153 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 42 Resp: 404046
Ion Ratio Lower Upper
42 100
74 130.0 105.8 158.6
44 7.7 6.6 10.0

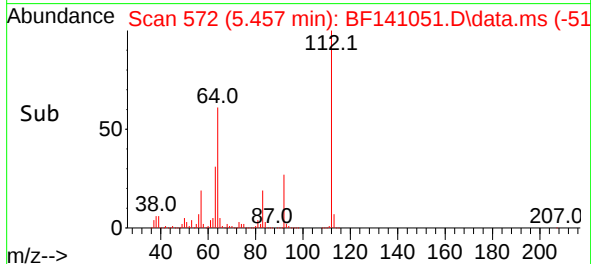
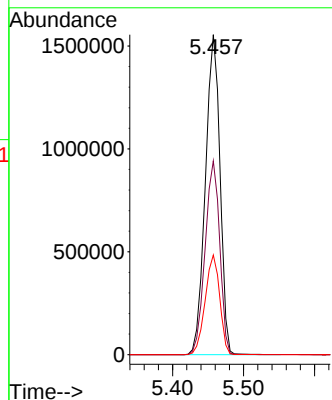
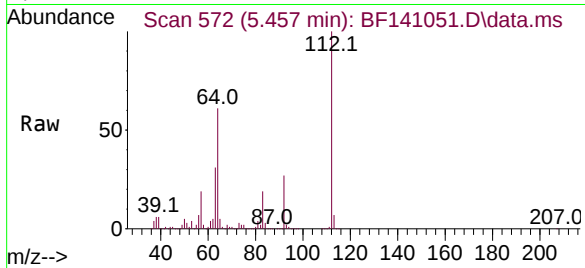




#5
2-Fluorophenol
Concen: 144.782 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

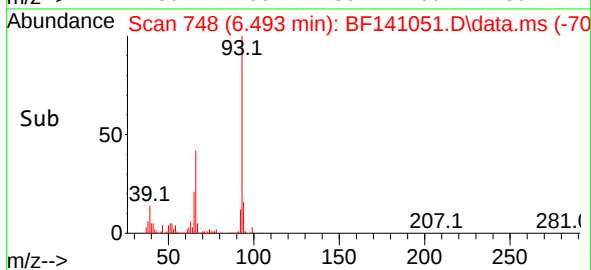
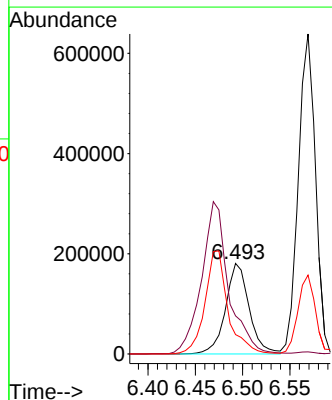
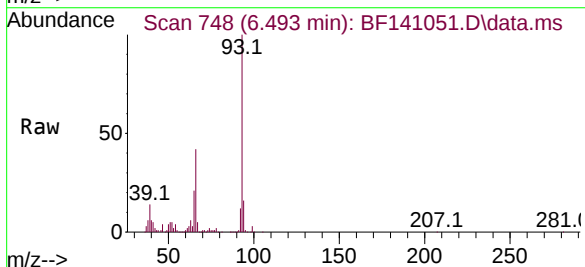
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ClientSampleId :
WC-SOIL-20241219MSD

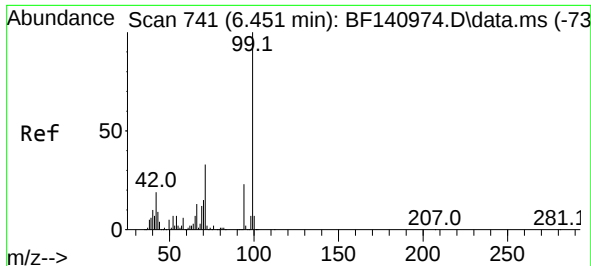
Tgt Ion:112 Resp: 2232244
Ion Ratio Lower Upper
112 100
64 60.6 47.7 71.5
63 31.1 24.2 36.2



#6
Aniline
Concen: 17.719 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 93 Resp: 313867
Ion Ratio Lower Upper
93 100
66 42.1 31.8 47.8
65 21.4 15.4 23.0

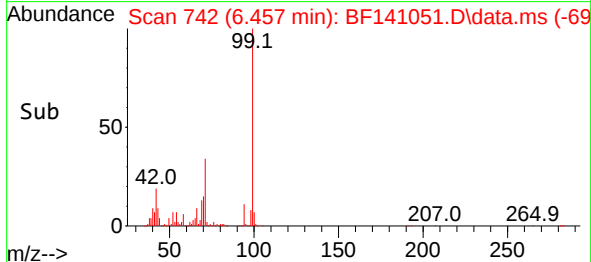
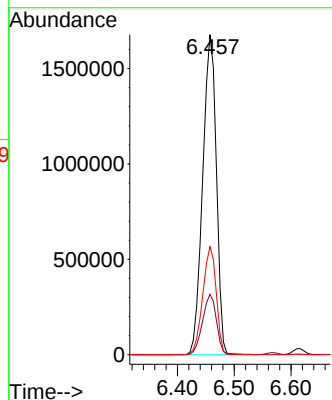
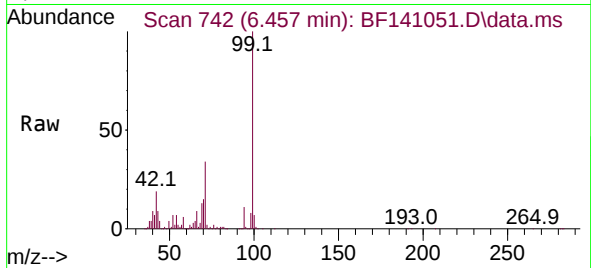




#7
Phenol-d6
Concen: 140.905 ng
RT: 6.457 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

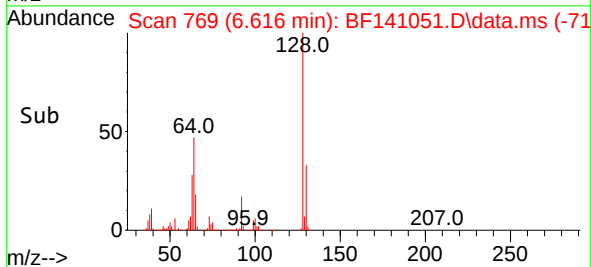
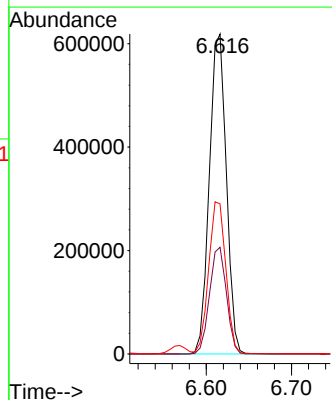
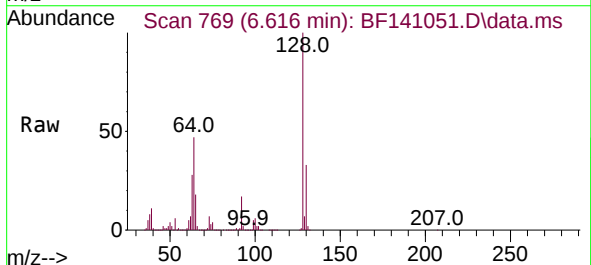
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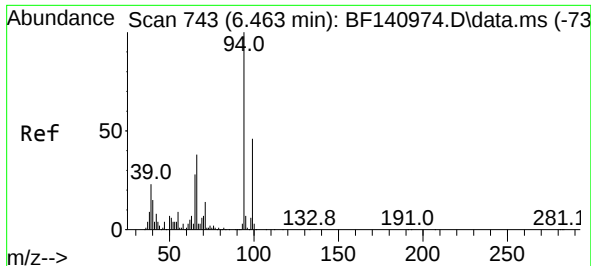
Tgt Ion: 99 Resp: 2798607
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 33.8 26.2 39.2



#8
2-Chlorophenol
Concen: 52.711 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 128 Resp: 856828
Ion Ratio Lower Upper
128 100
130 33.4 12.2 52.2
64 46.9 30.3 70.3

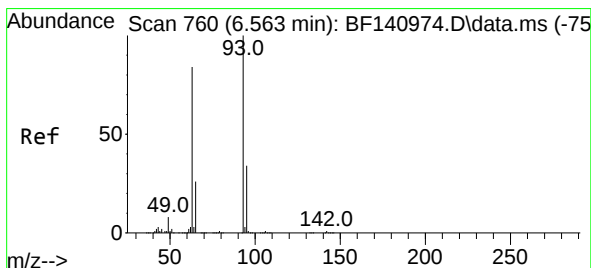
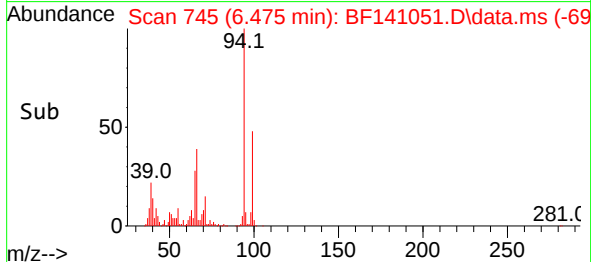
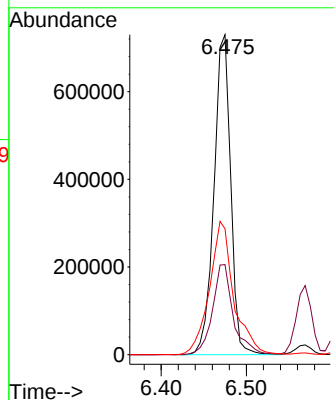
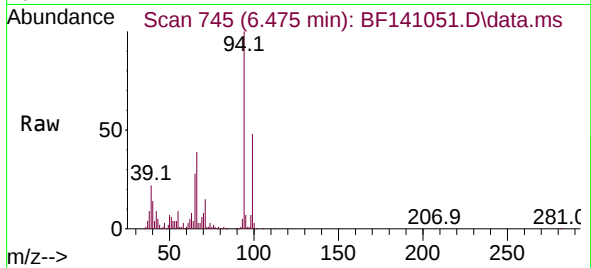




#10
Phenol
Concen: 48.401 ng
RT: 6.475 min Scan# 743
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

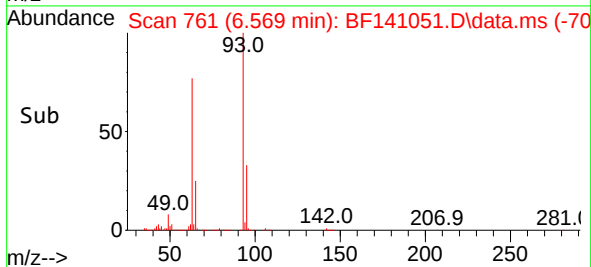
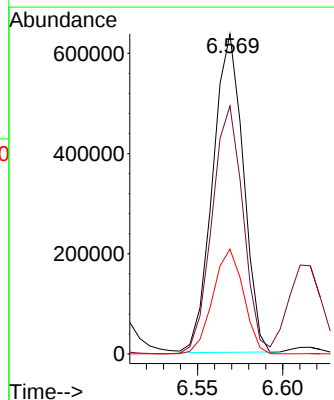
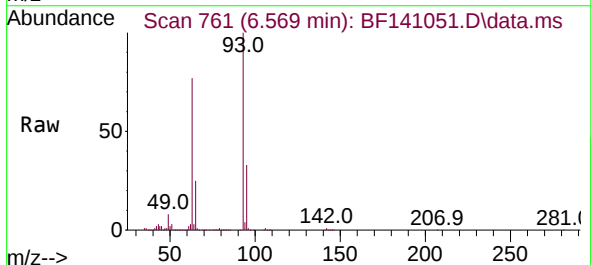
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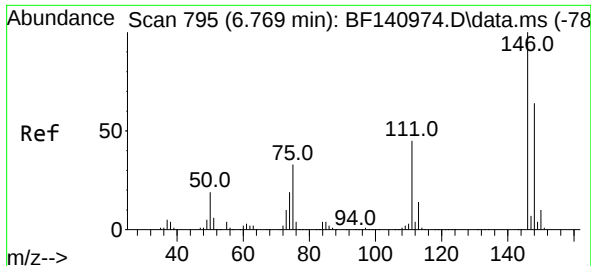
Tgt Ion: 94 Resp: 994035
Ion Ratio Lower Upper
94 100
65 28.2 8.1 48.1
66 39.4 18.7 58.7



#11
bis(2-Chloroethyl)ether
Concen: 47.729 ng
RT: 6.569 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 93 Resp: 791469
Ion Ratio Lower Upper
93 100
63 77.5 60.3 100.3
95 32.8 12.2 52.2

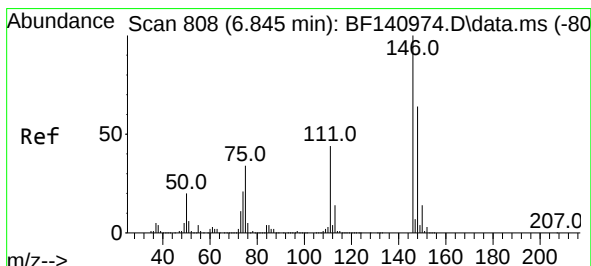
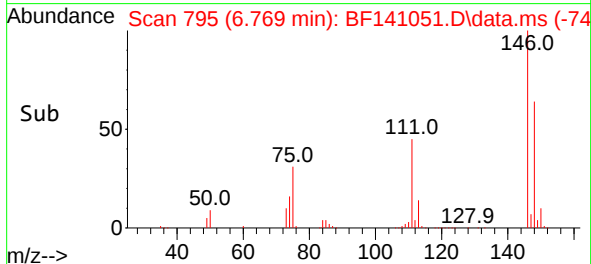
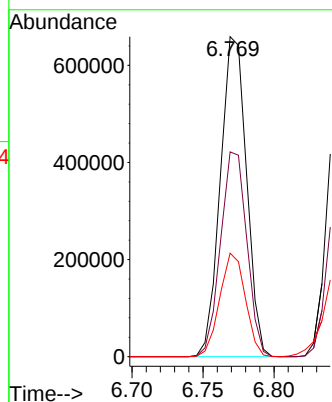
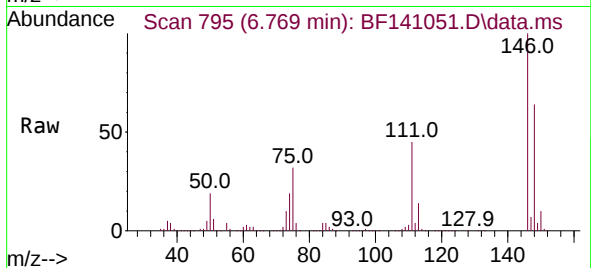




#12
1,3-Dichlorobenzene
Concen: 47.109 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

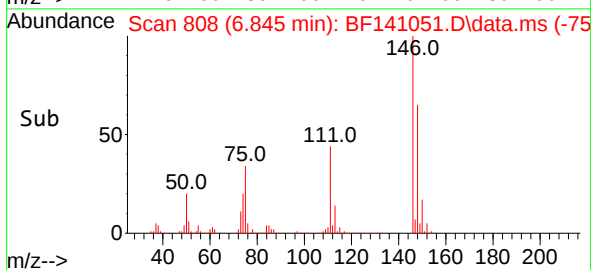
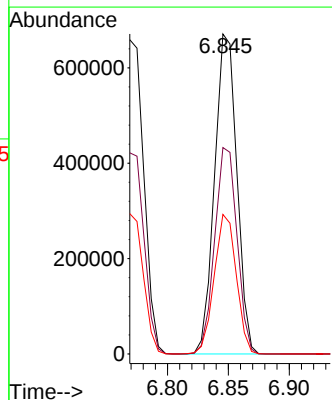
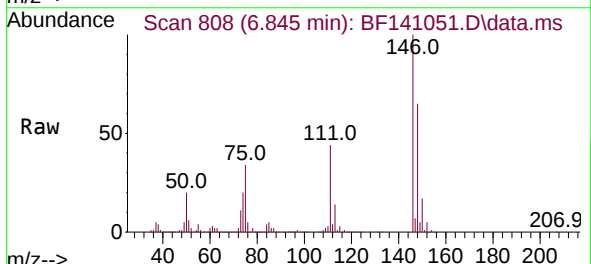
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

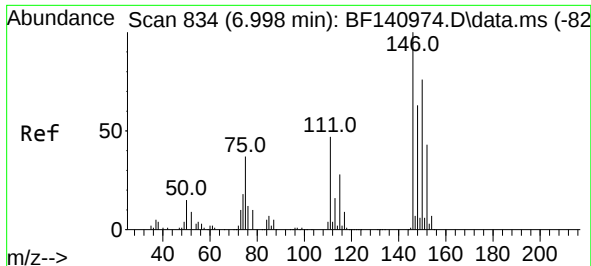
Tgt Ion:146 Resp: 845122
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.4
75 32.3 26.1 39.1



#13
1,4-Dichlorobenzene
Concen: 47.309 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:146 Resp: 855568
Ion Ratio Lower Upper
146 100
148 64.5 51.3 76.9
111 43.6 35.3 52.9

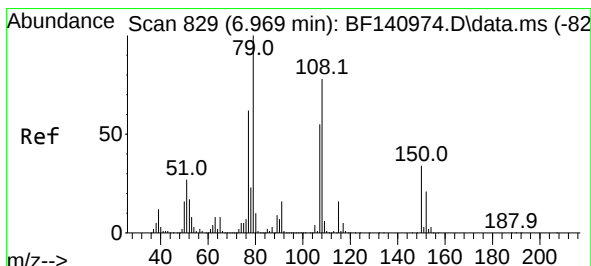
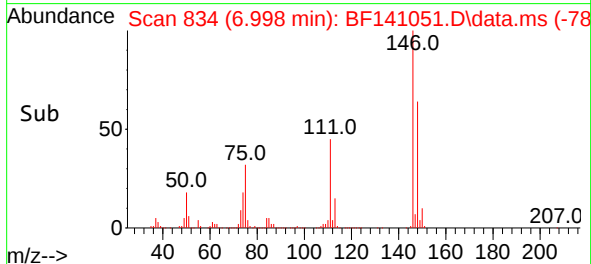
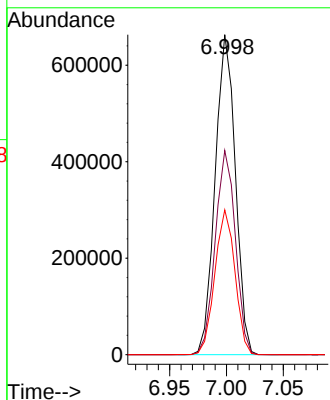
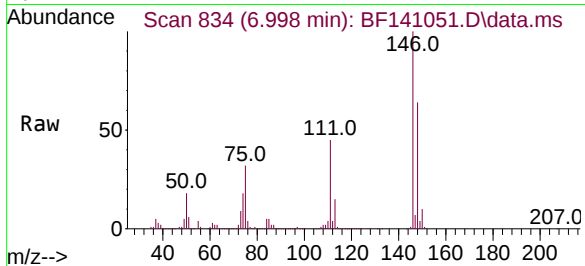




#14
1,2-Dichlorobenzene
Concen: 48.733 ng
RT: 6.998 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

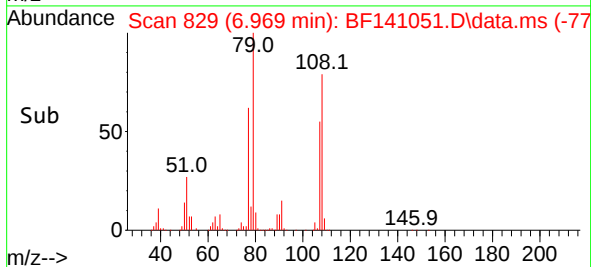
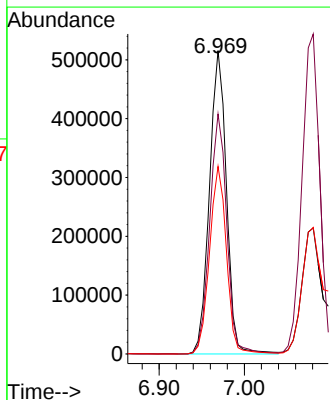
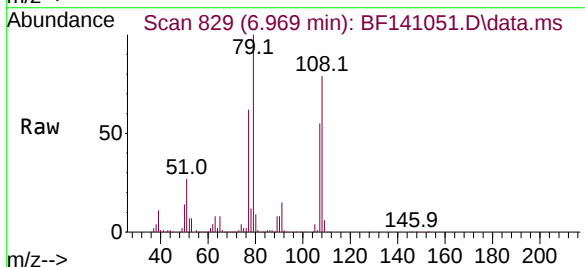
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

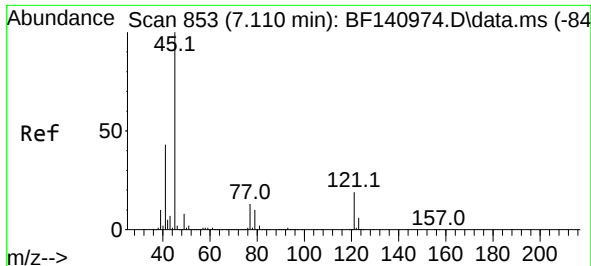
Tgt Ion:146 Resp: 821715
Ion Ratio Lower Upper
146 100
148 63.8 50.6 76.0
111 45.3 37.3 55.9



#15
Benzyl Alcohol
Concen: 50.023 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 79 Resp: 713963
Ion Ratio Lower Upper
79 100
108 79.1 62.5 93.7
77 61.8 49.3 73.9

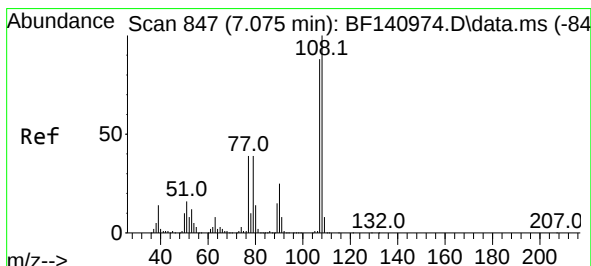
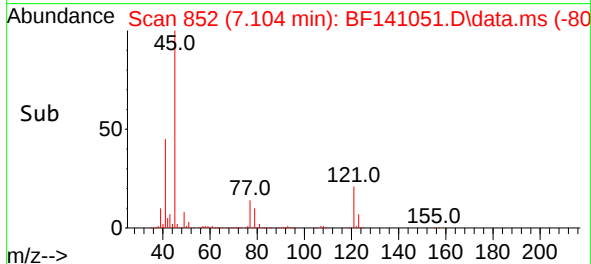
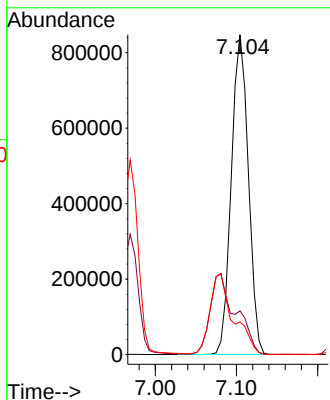
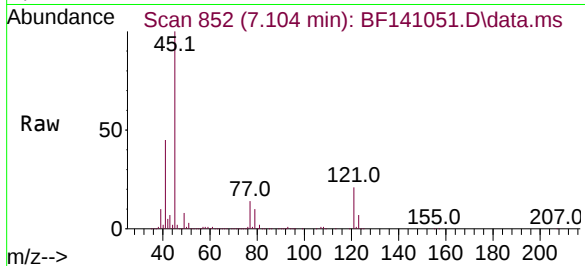




#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.092 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

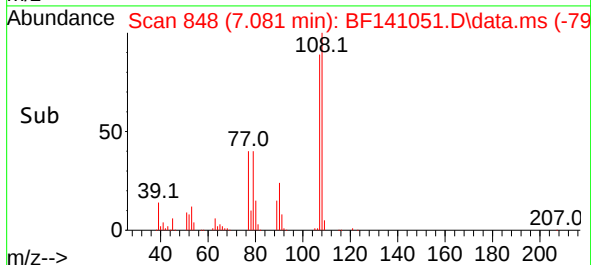
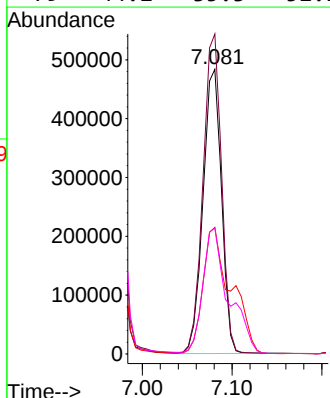
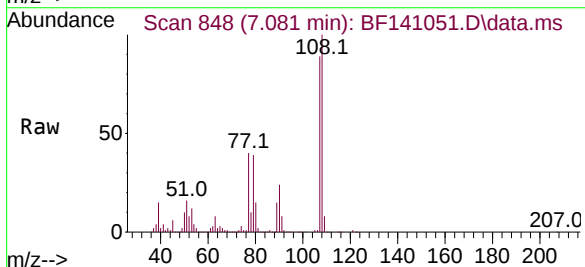
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

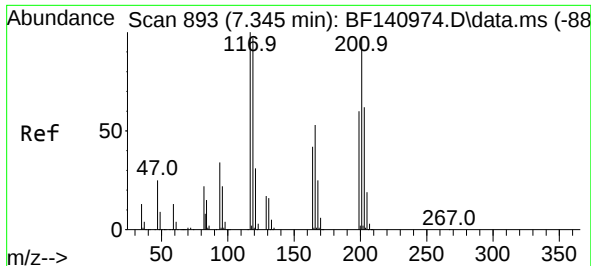
Tgt Ion: 45 Resp: 1231138
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.1
79 10.3 0.0 30.1



#17
2-Methylphenol
Concen: 51.219 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:107 Resp: 691685
Ion Ratio Lower Upper
107 100
108 112.4 90.6 136.0
77 44.5 35.3 52.9
79 44.2 35.3 52.9

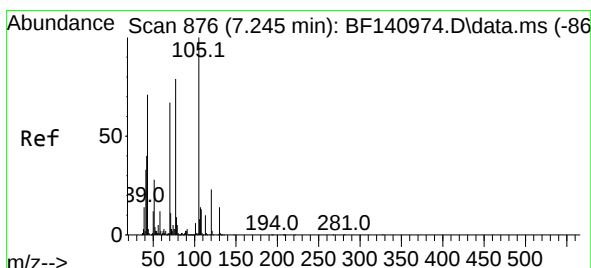
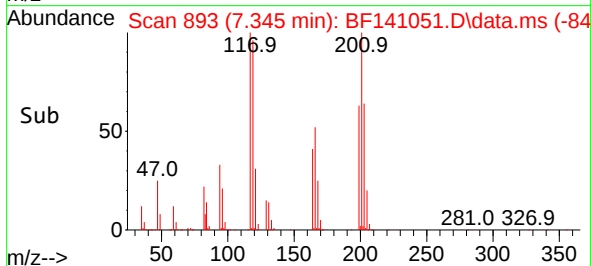
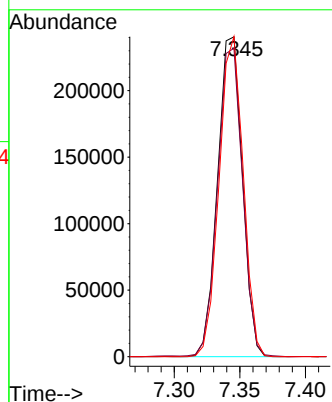
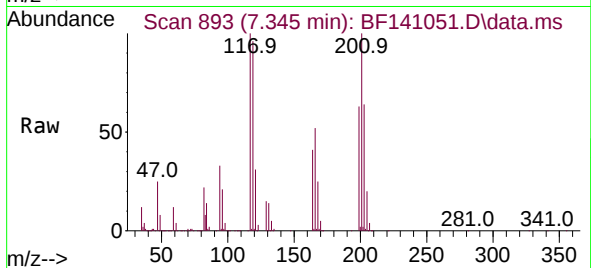




#18
Hexachloroethane
Concen: 49.147 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

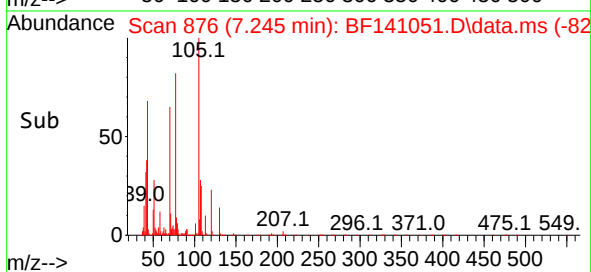
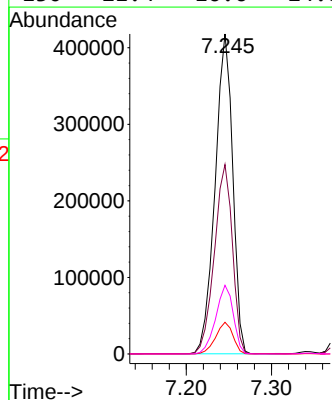
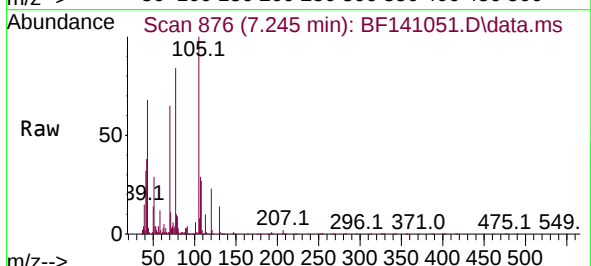
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

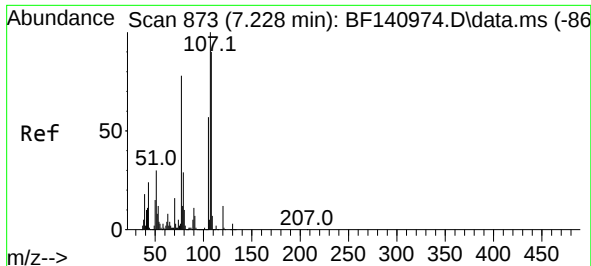
Tgt Ion:117 Resp: 315734
Ion Ratio Lower Upper
117 100
119 96.4 77.5 116.3
201 100.0 77.4 116.2



#19
n-Nitroso-di-n-propylamine
Concen: 49.223 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 70 Resp: 598936
Ion Ratio Lower Upper
70 100
42 59.2 48.1 72.1
101 9.9 7.6 11.4
130 21.4 16.6 24.8





#20

3+4-Methylphenols

Concen: 49.570 ng

RT: 7.234 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:107 Resp: 847125

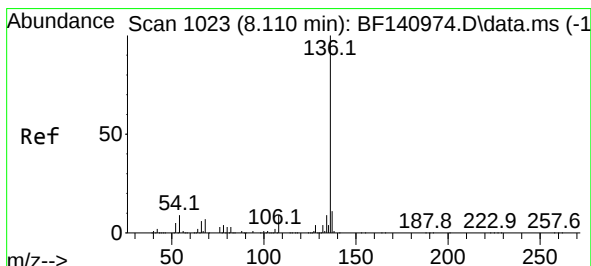
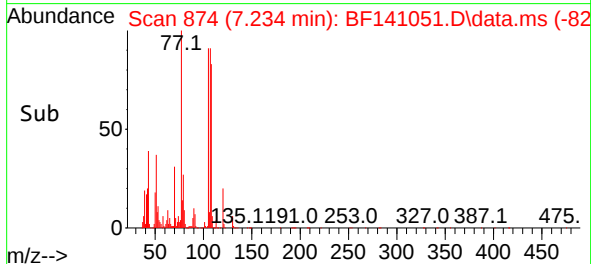
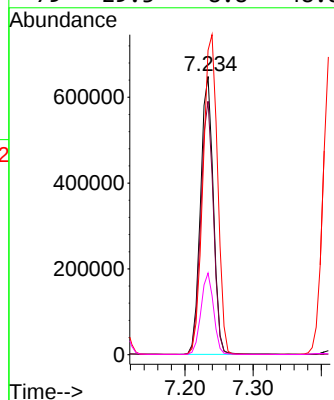
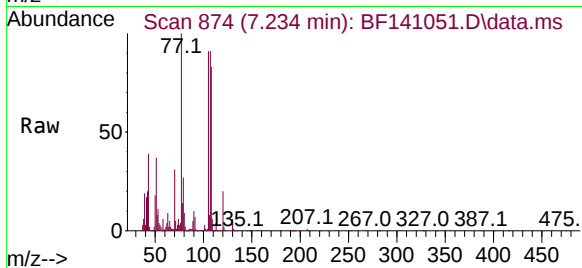
Ion Ratio Lower Upper

107 100

108 91.1 69.6 109.6

77 109.4 57.6 97.6#

79 29.3 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: BF141051.D

Acq: 31 Dec 2024 11:49

Tgt Ion:136 Resp: 925099

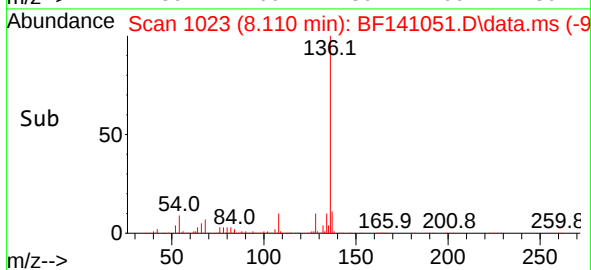
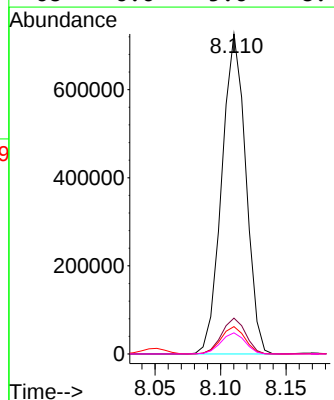
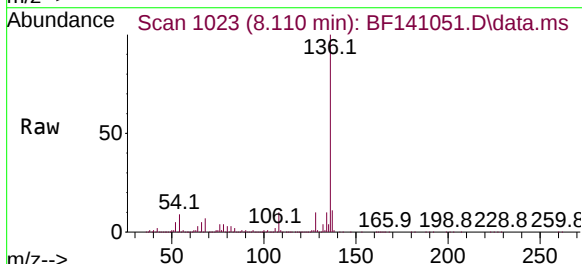
Ion Ratio Lower Upper

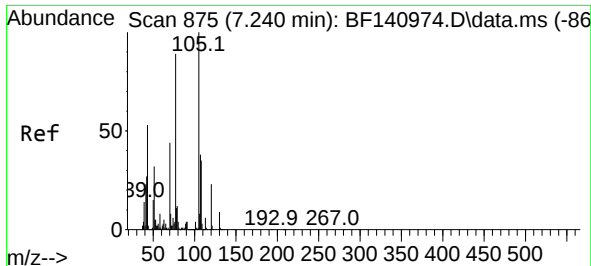
136 100

137 11.2 9.0 13.4

54 8.6 7.6 11.4

68 6.6 5.6 8.4

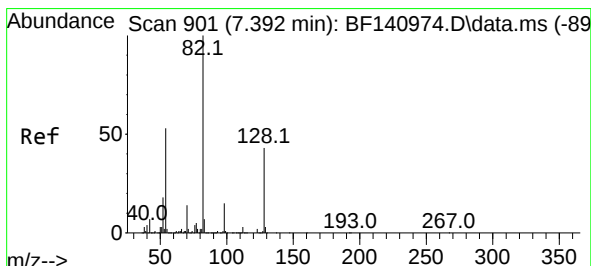
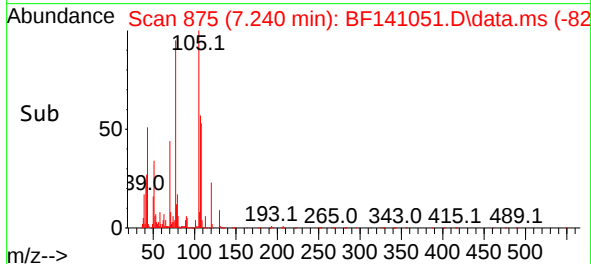
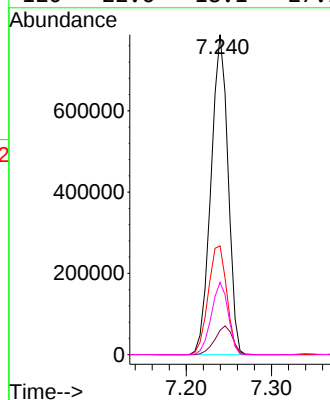
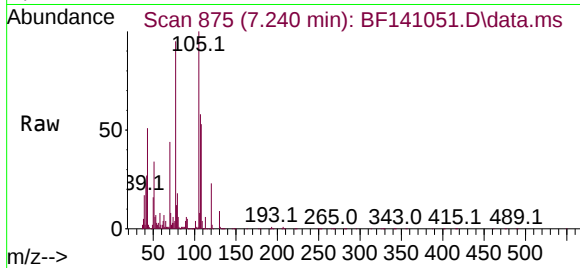




#22
Acetophenone
Concen: 48.179 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

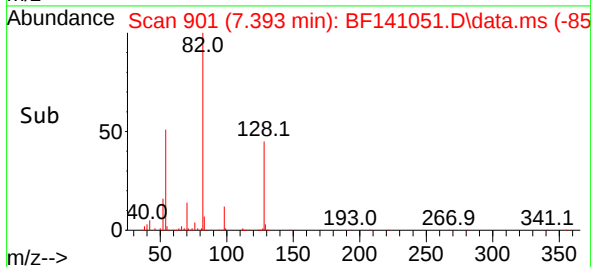
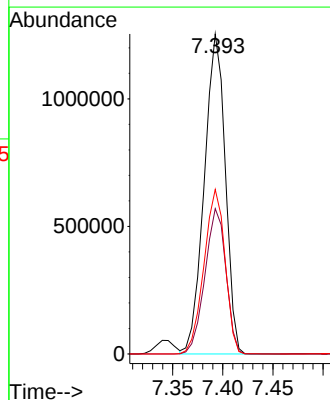
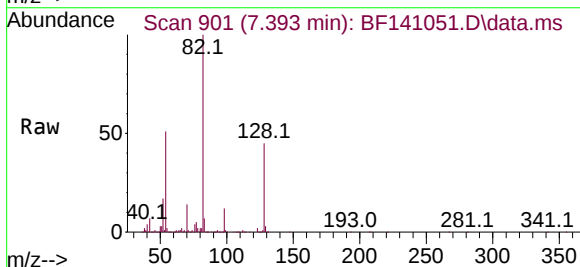
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

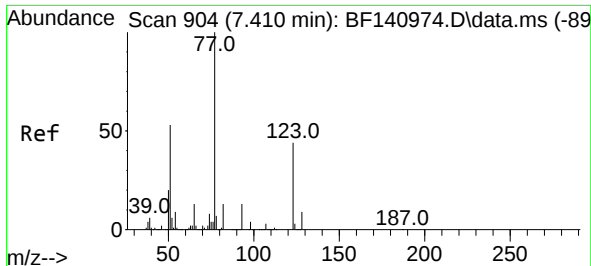
Tgt Ion:105 Resp: 1093369
Ion Ratio Lower Upper
105 100
71 7.6 6.1 9.1
51 34.0 25.8 38.6
120 22.6 18.1 27.1



#23
Nitrobenzene-d5
Concen: 126.614 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 82 Resp: 1830790
Ion Ratio Lower Upper
82 100
128 45.4 34.4 51.6
54 51.4 42.4 63.6

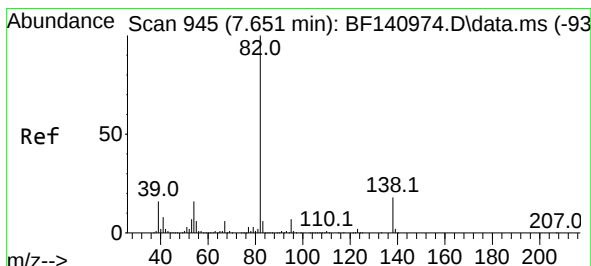
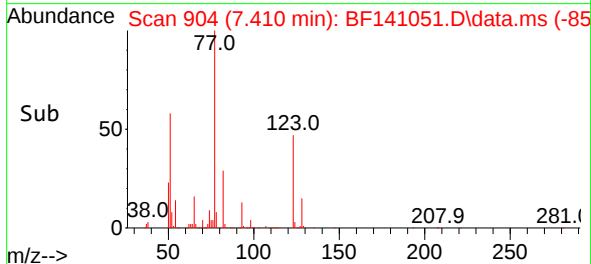
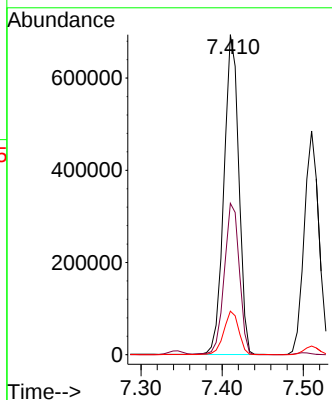
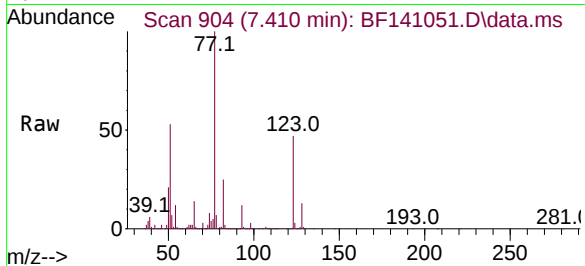




#24
Nitrobenzene
Concen: 54.743 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

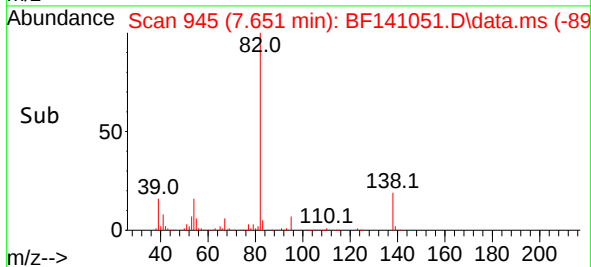
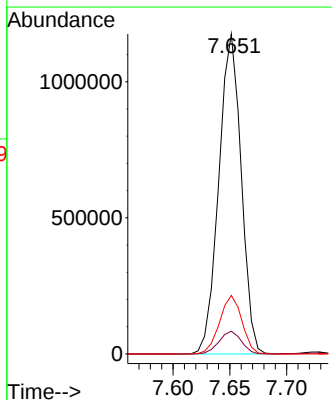
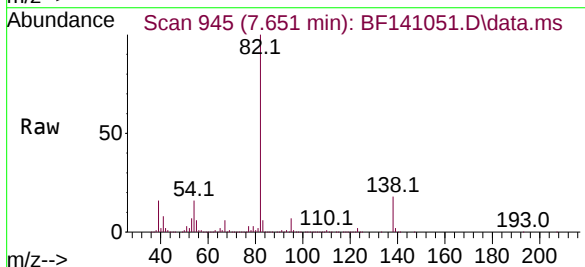
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

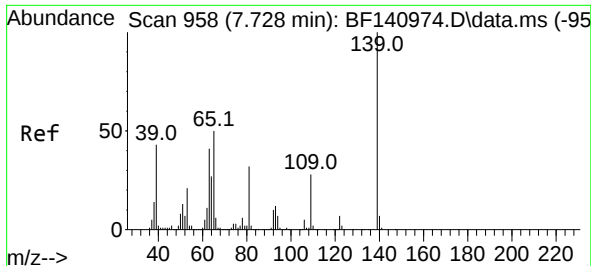
Tgt Ion: 77 Resp: 884486
Ion Ratio Lower Upper
77 100
123 47.3 35.4 53.2
65 13.6 10.7 16.1



#25
Isophorone
Concen: 51.223 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 82 Resp: 1611721
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 18.3 14.6 21.8

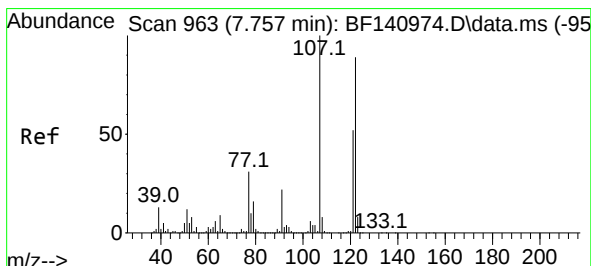
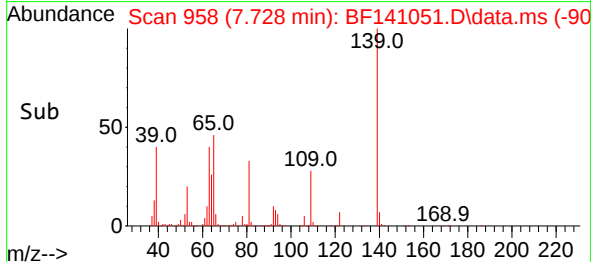
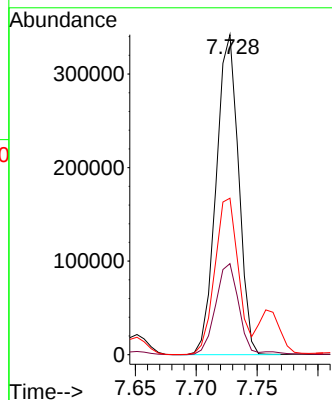
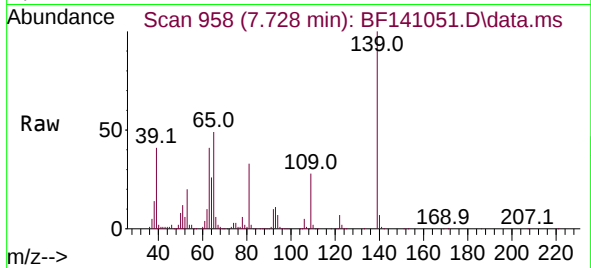




#26
2-Nitrophenol
Concen: 64.206 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

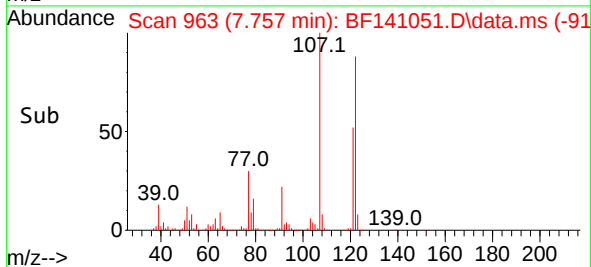
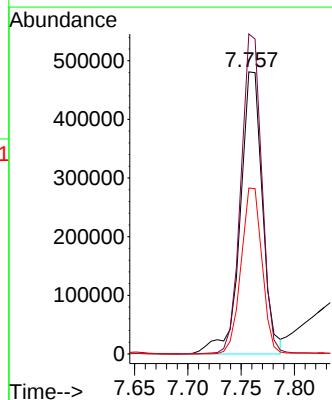
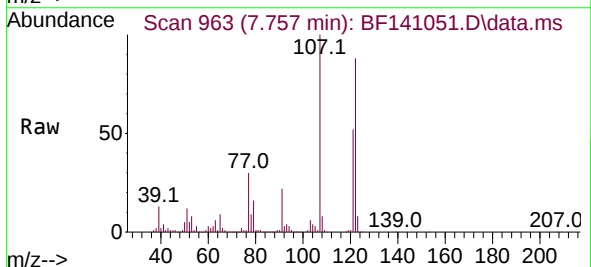
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

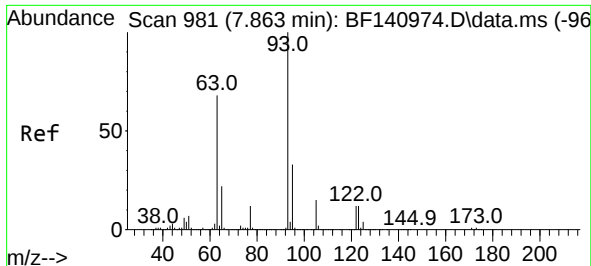
Tgt Ion:139 Resp: 438453
Ion Ratio Lower Upper
139 100
109 28.5 22.2 33.4
65 48.9 40.2 60.4



#27
2,4-Dimethylphenol
Concen: 60.921 ng
RT: 7.757 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:122 Resp: 700554
Ion Ratio Lower Upper
122 100
107 113.5 89.4 134.2
121 58.8 46.7 70.1

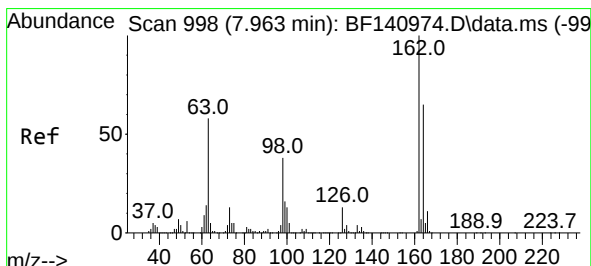
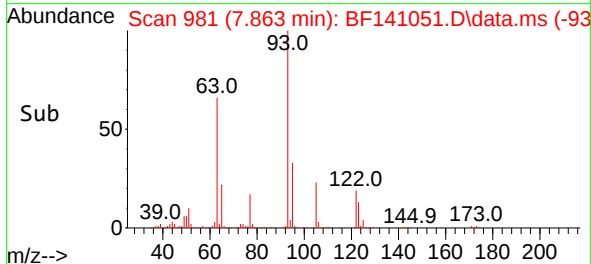
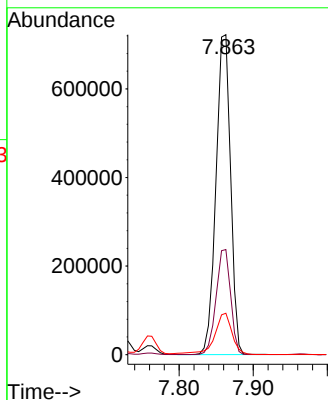
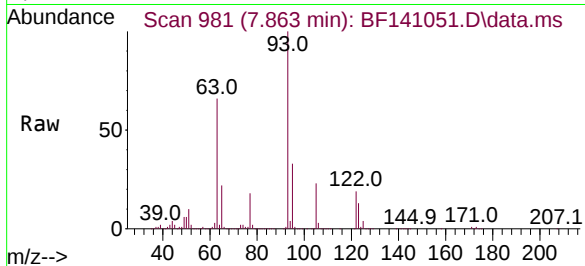




#28
bis(2-Chloroethoxy)methane
Concen: 49.547 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

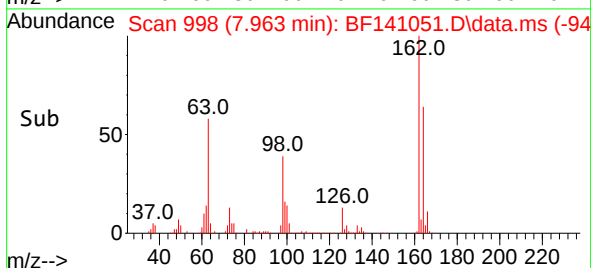
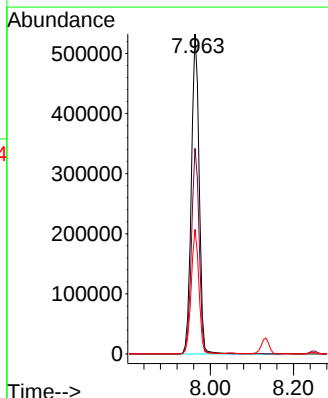
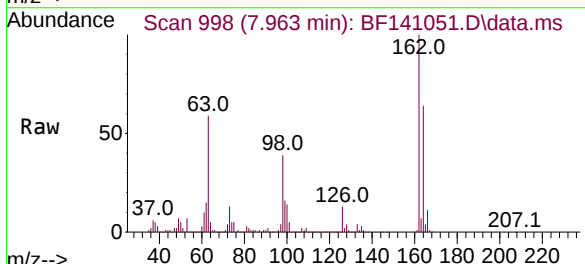
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

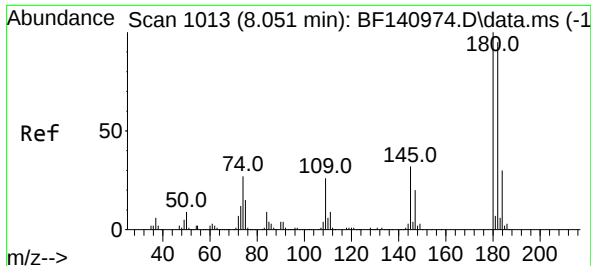
Tgt Ion: 93 Resp: 987760
Ion Ratio Lower Upper
93 100
95 32.9 26.2 39.4
123 12.9 9.9 14.9



#29
2,4-Dichlorophenol
Concen: 53.229 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 162 Resp: 694221
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: 48.702 ng

RT: 8.051 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

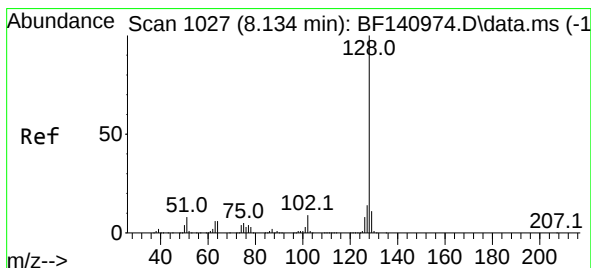
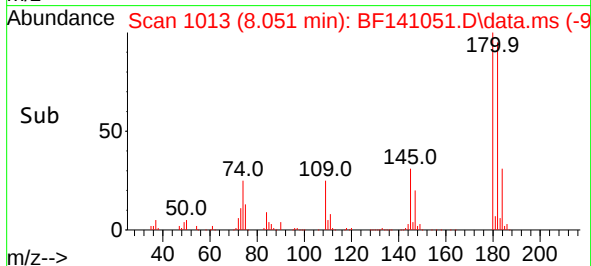
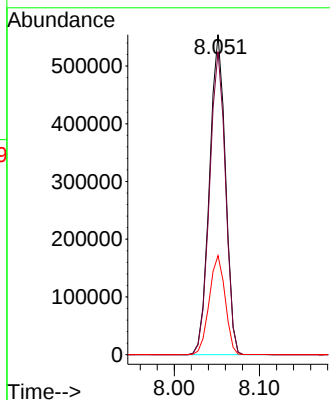
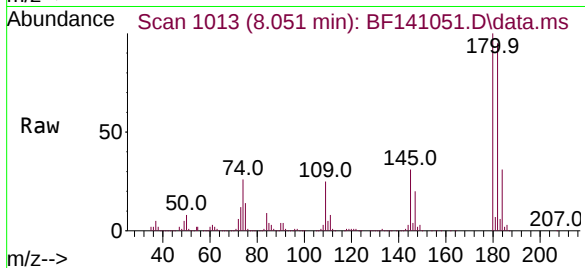
Tgt Ion:180 Resp: 718917

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

145 31.0 25.4 38.2



#31

Naphthalene

Concen: 48.189 ng

RT: 8.134 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

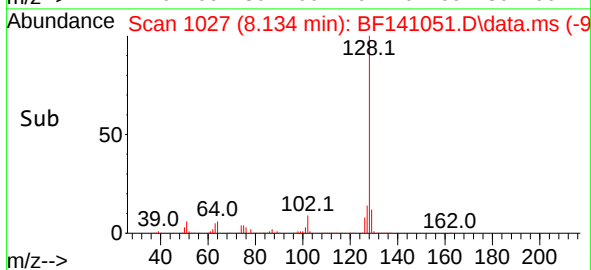
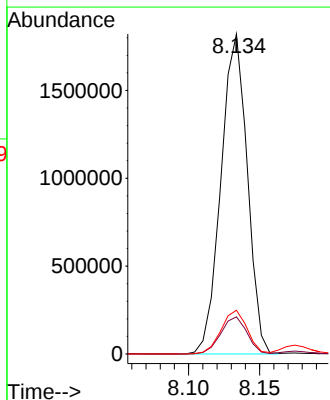
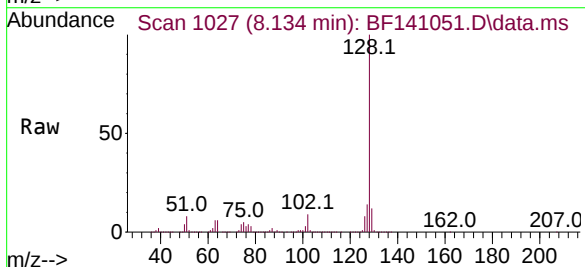
Tgt Ion:128 Resp: 2349067

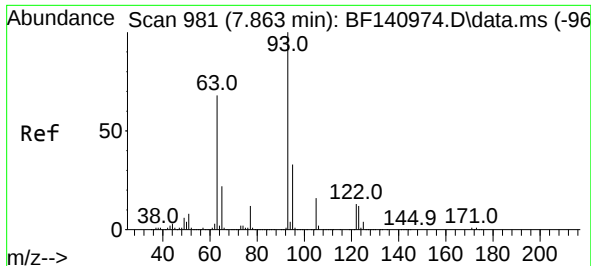
Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

127 13.7 11.0 16.4

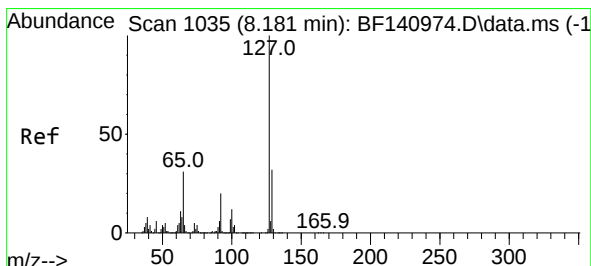
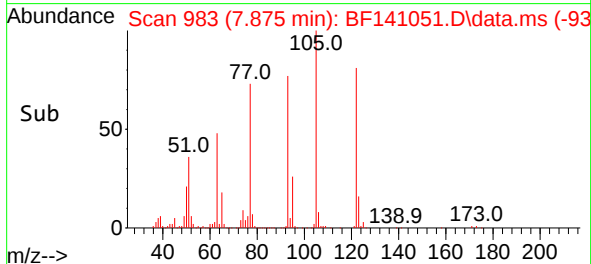
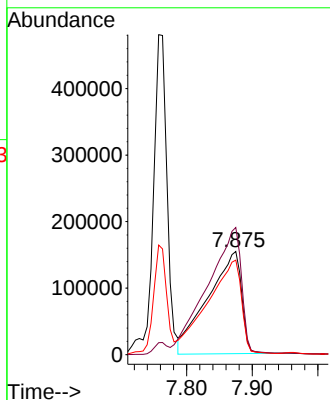
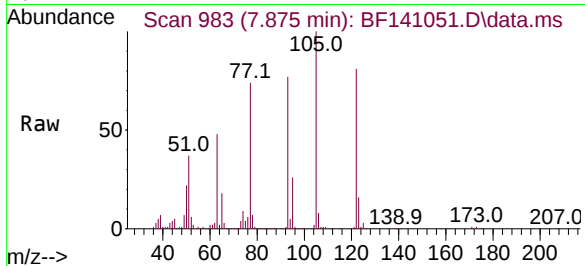




#32
Benzoic acid
Concen: 56.289 ng
RT: 7.875 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

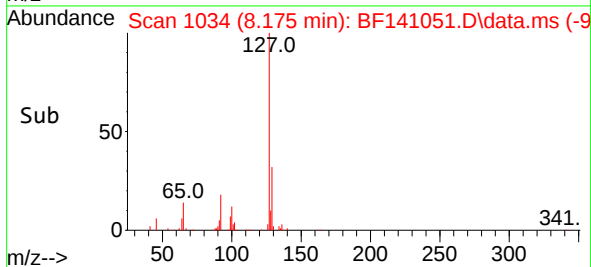
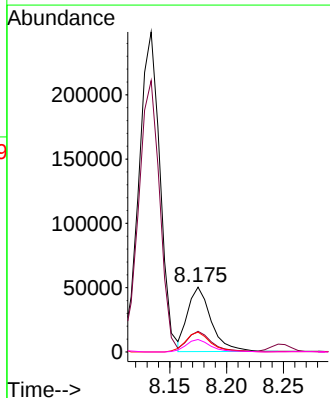
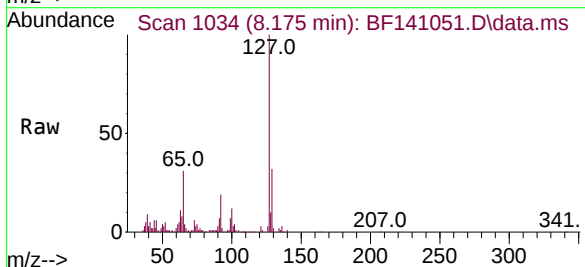
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

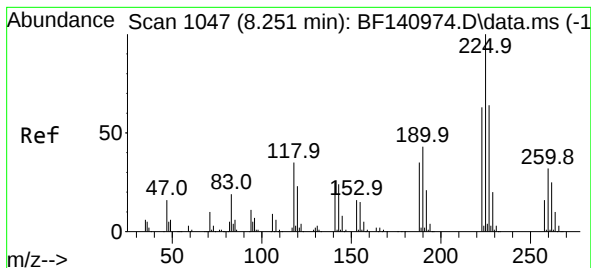
Tgt Ion:122 Resp: 547658
Ion Ratio Lower Upper
122 100
105 123.3 105.4 145.4
77 91.7 76.4 116.4



#33
4-Chloroaniline
Concen: 4.094 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:127 Resp: 72192
Ion Ratio Lower Upper
127 100
129 31.9 26.1 39.1
65 30.7 24.6 37.0
92 19.3 15.8 23.6





#34

Hexachlorobutadiene

Concen: 48.992 ng

RT: 8.251 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

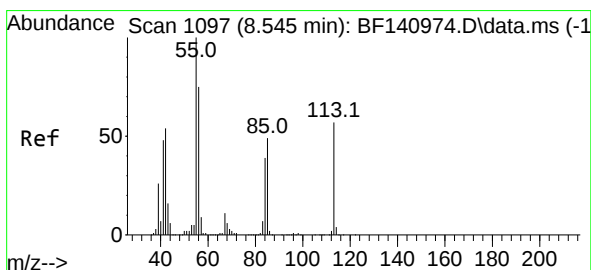
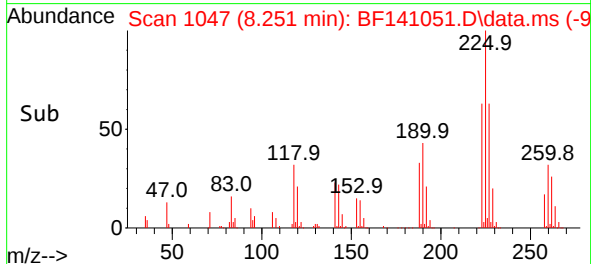
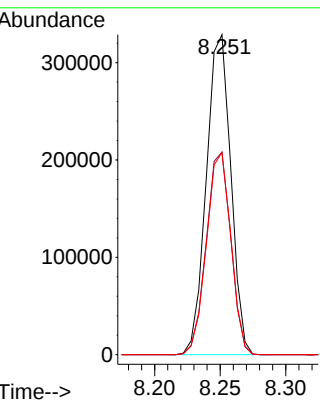
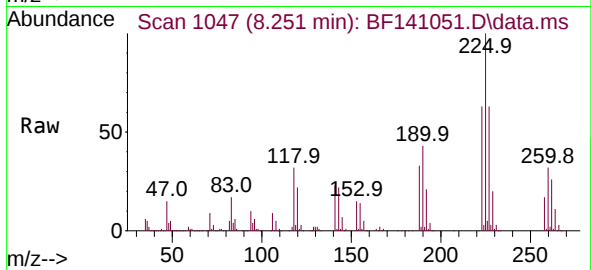
Tgt Ion:225 Resp: 426348

Ion Ratio Lower Upper

225 100

223 63.3 50.3 75.5

227 63.2 50.8 76.2



#35

Caprolactam

Concen: 43.289 ng m

RT: 8.539 min Scan# 1096

Delta R.T. -0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

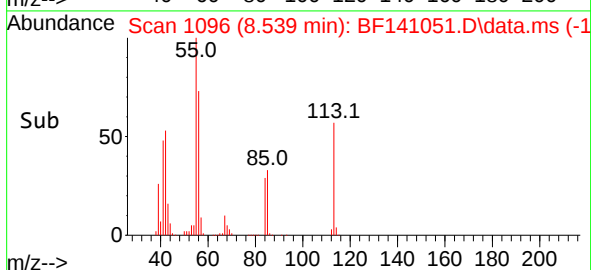
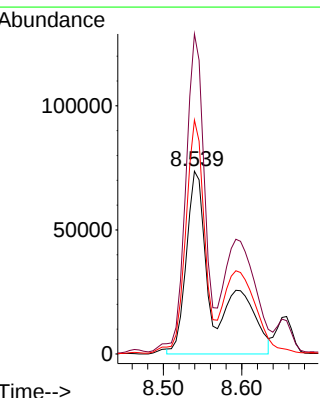
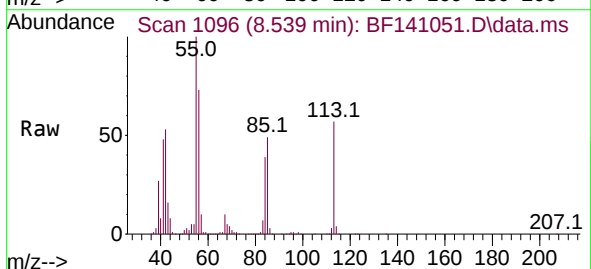
Tgt Ion:113 Resp: 191933

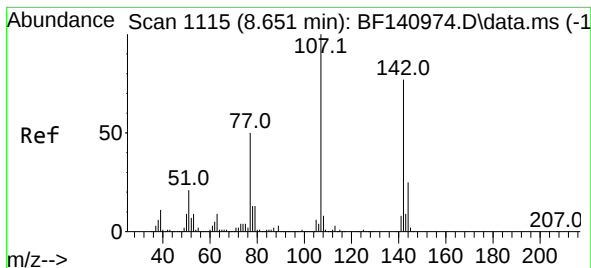
Ion Ratio Lower Upper

113 100

55 175.1 156.6 196.6

56 128.0 111.7 151.7

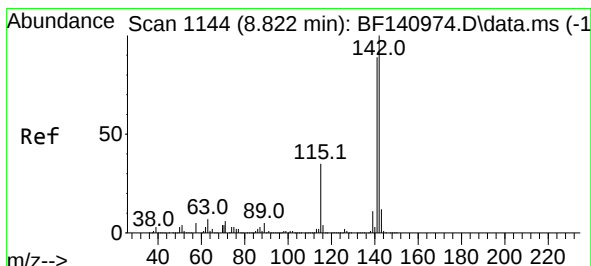
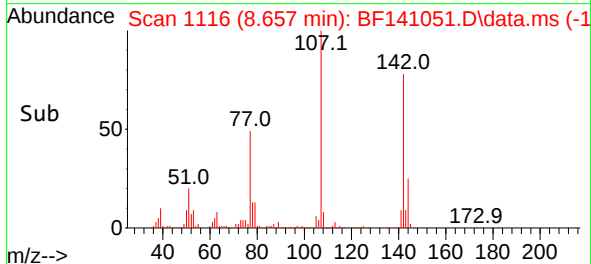
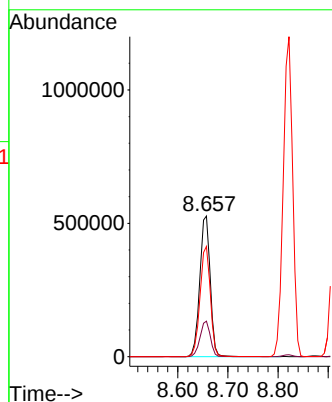
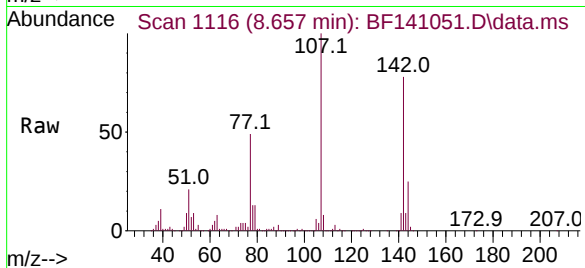




#36
4-Chloro-3-methylphenol
Concen: 52.532 ng
RT: 8.657 min Scan# 1115
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

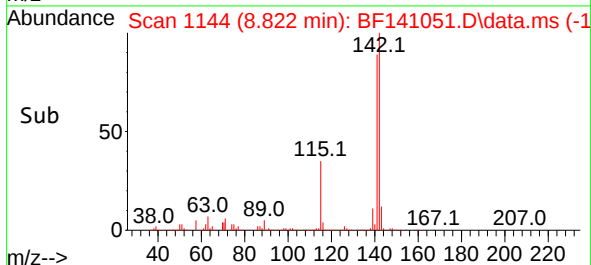
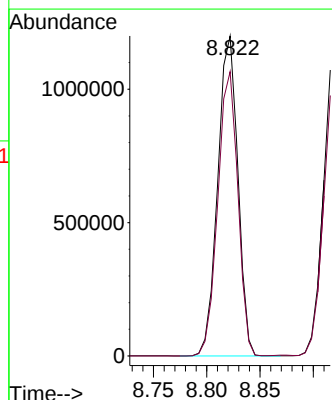
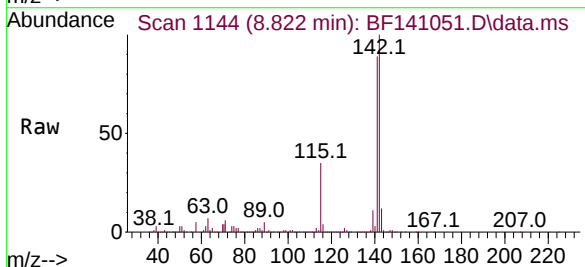
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

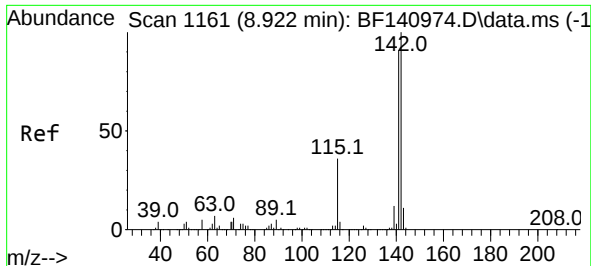
Tgt Ion:107 Resp: 760877
Ion Ratio Lower Upper
107 100
144 25.2 19.9 29.9
142 78.4 61.8 92.8



#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:142 Resp: 1569379
Ion Ratio Lower Upper
142 100
141 88.9 71.1 106.7

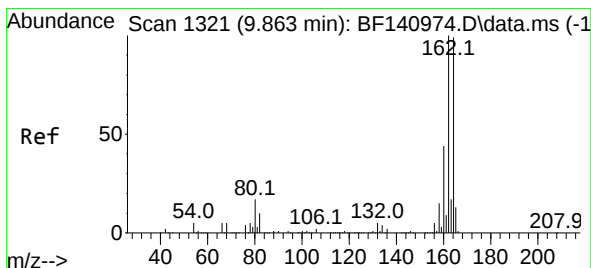
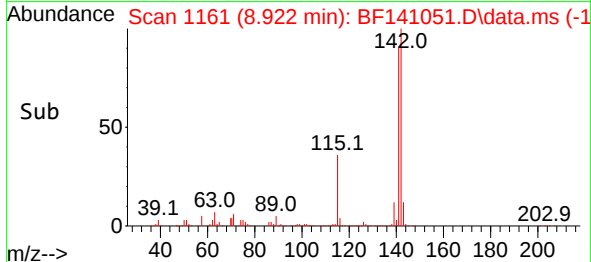
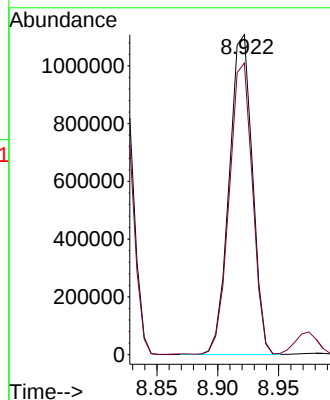
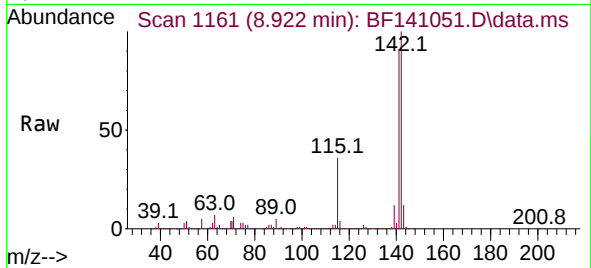




#38
1-Methylnaphthalene
Concen: 48.086 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

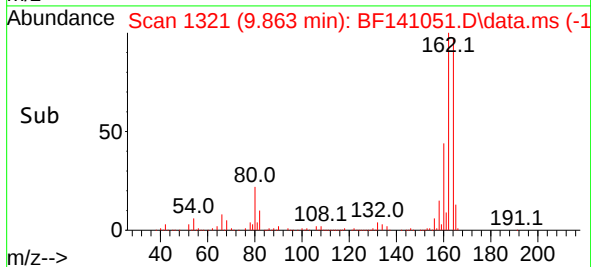
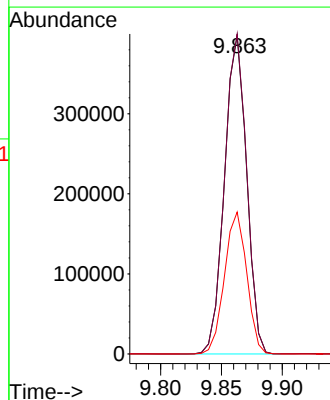
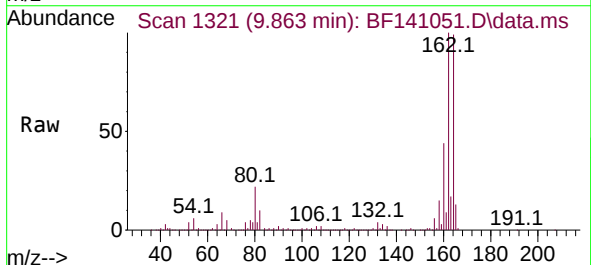
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

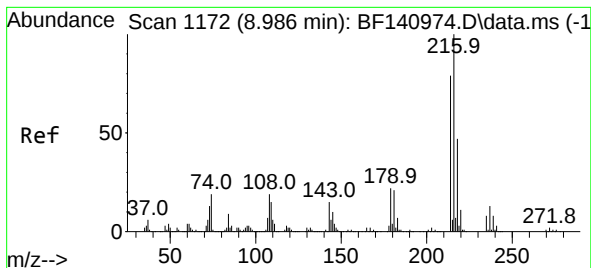
Tgt Ion:142 Resp: 1473767
Ion Ratio Lower Upper
142 100
141 91.2 72.7 109.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:164 Resp: 503882
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 44.6 35.7 53.5





#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.510 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:216 Resp: 700190

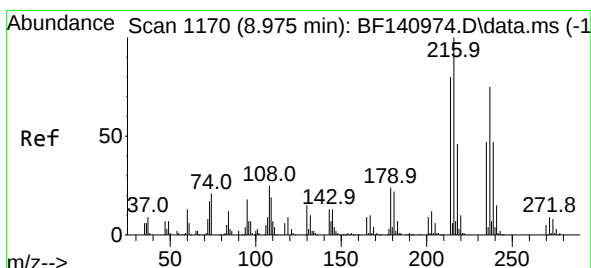
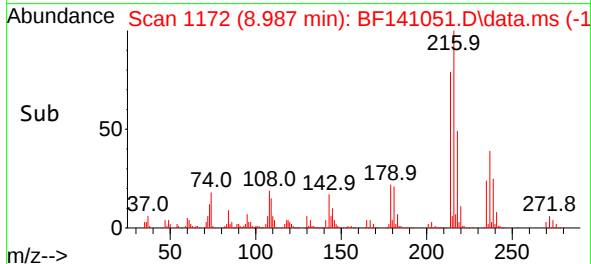
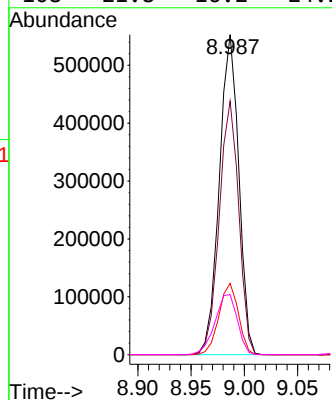
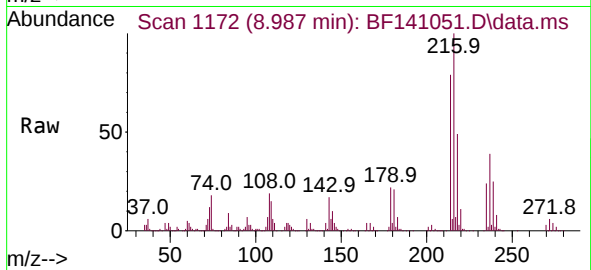
Ion Ratio Lower Upper

216 100

214 79.3 63.0 94.6

179 22.4 17.9 26.9

108 21.8 16.2 24.2



#41

Hexachlorocyclopentadiene

Concen: 182.207 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

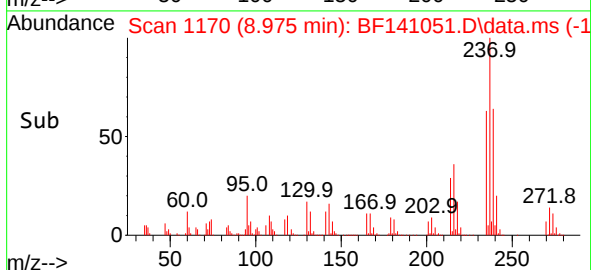
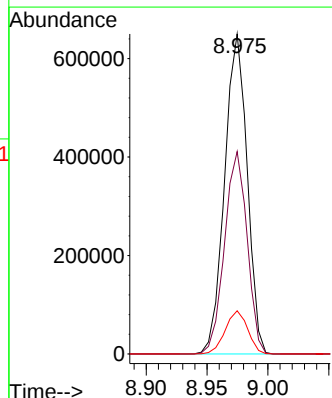
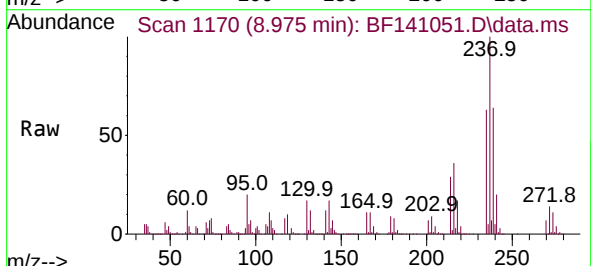
Tgt Ion:237 Resp: 837030

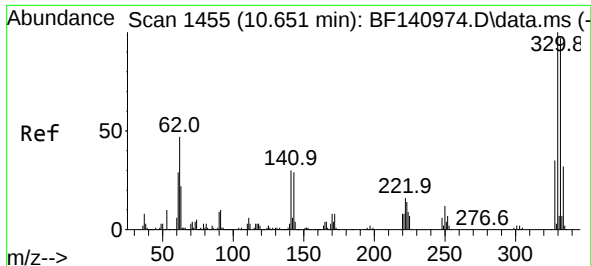
Ion Ratio Lower Upper

237 100

235 63.3 43.4 83.4

272 13.5 0.0 32.6





#42

2,4,6-Tribromophenol

Concen: 184.238 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

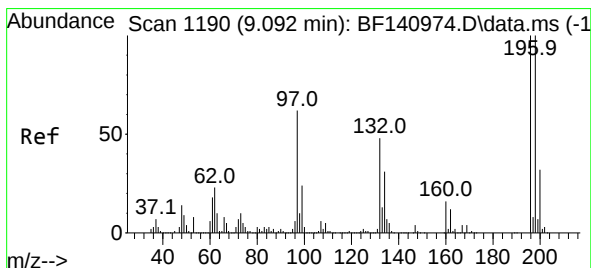
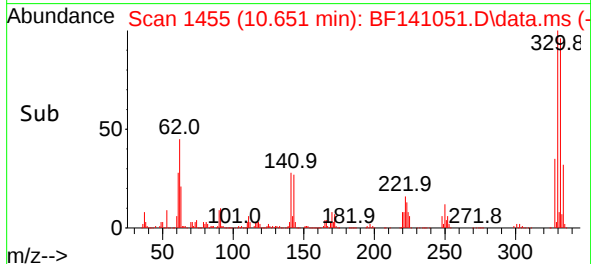
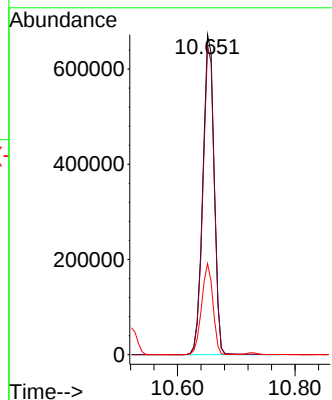
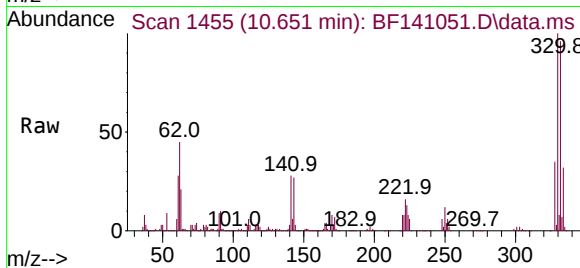
Tgt Ion:330 Resp: 902078

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 28.5 26.4 39.6



#43

2,4,6-Trichlorophenol

Concen: 56.035 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

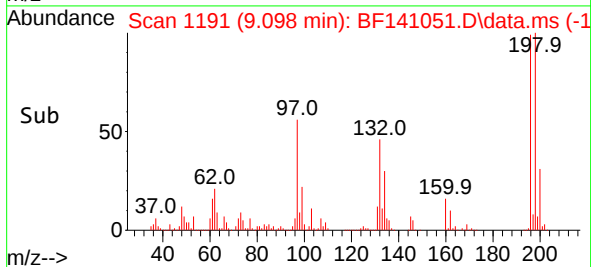
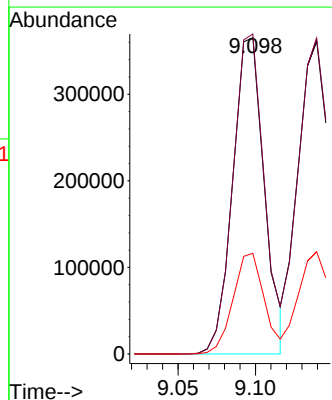
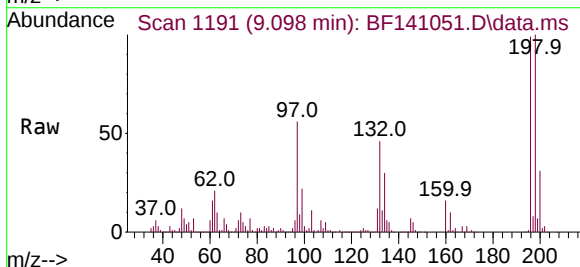
Tgt Ion:196 Resp: 516987

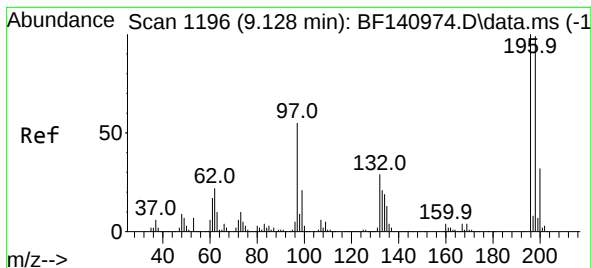
Ion Ratio Lower Upper

196 100

198 101.1 80.2 120.4

200 31.8 25.8 38.6





#44

2,4,5-Trichlorophenol

Concen: 54.792 ng

RT: 9.139 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:196 Resp: 517247

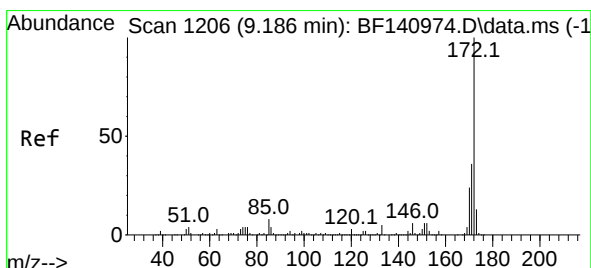
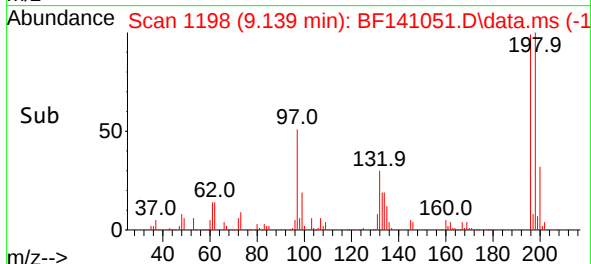
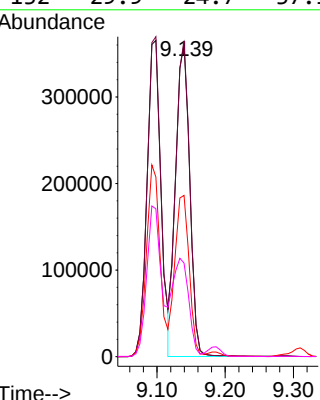
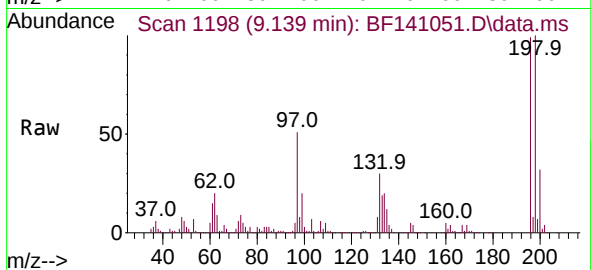
Ion Ratio Lower Upper

196 100

198 100.9 79.9 119.9

97 51.6 44.3 66.5

132 29.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 100.375 ng

RT: 9.187 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

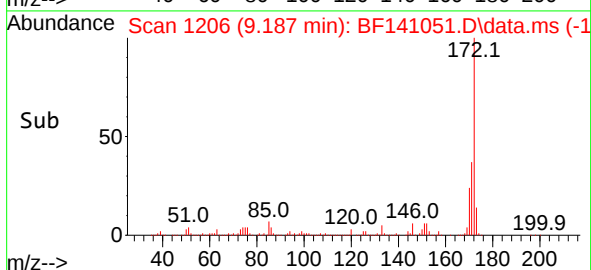
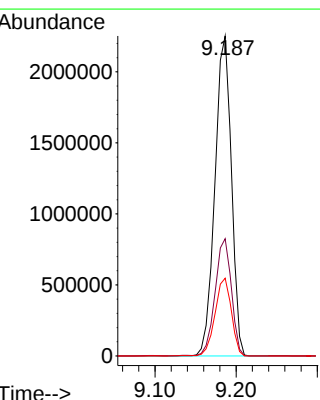
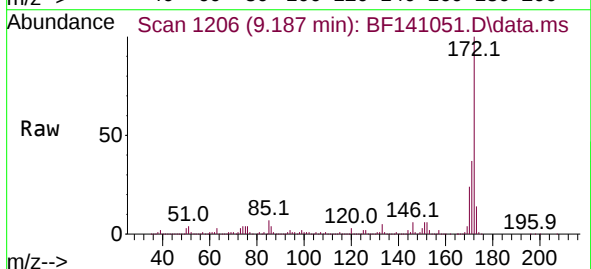
Tgt Ion:172 Resp: 3174486

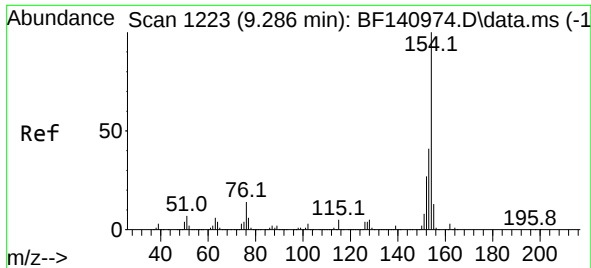
Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.4

170 24.3 19.6 29.4

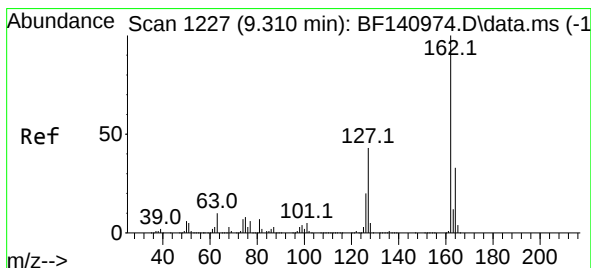
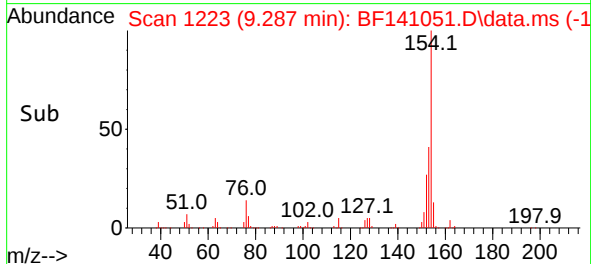
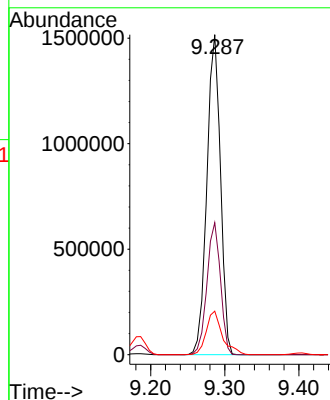
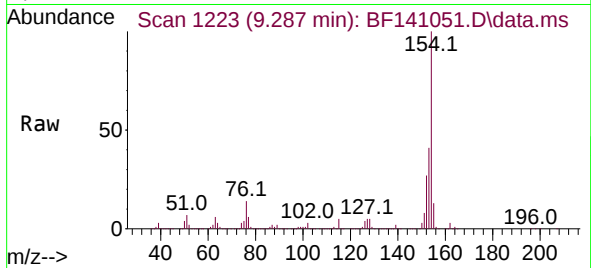




#46
1,1'-Biphenyl
Concen: 50.078 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

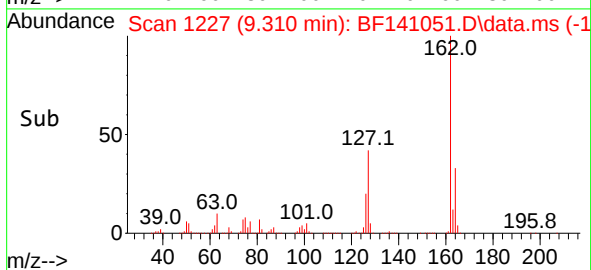
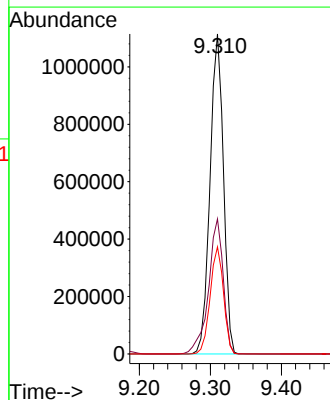
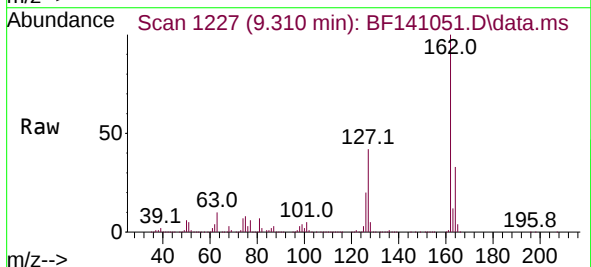
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

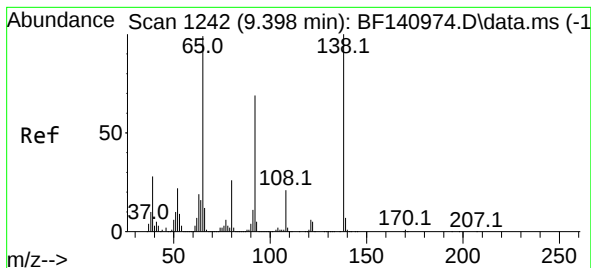
Tgt Ion:154 Resp: 1932118
Ion Ratio Lower Upper
154 100
153 41.3 20.9 60.9
76 13.6 0.0 34.0



#47
2-Chloronaphthalene
Concen: 48.934 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:162 Resp: 1464242
Ion Ratio Lower Upper
162 100
127 42.2 34.2 51.4
164 33.4 26.6 40.0





#48

2-Nitroaniline

Concen: 57.795 ng

RT: 9.404 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

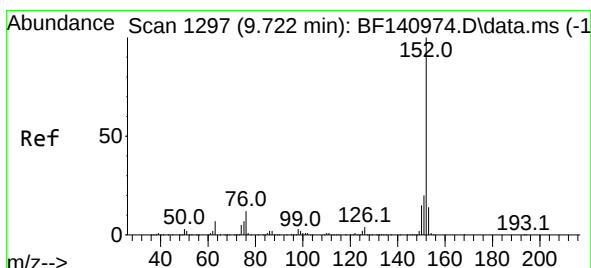
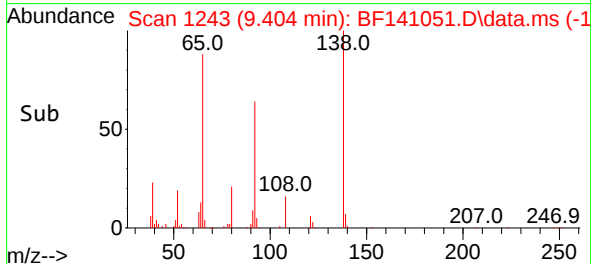
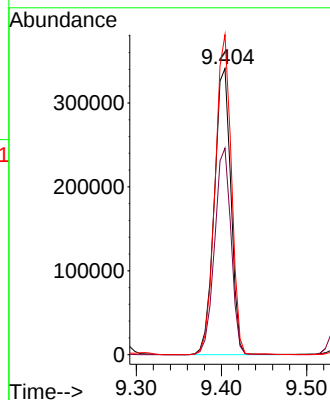
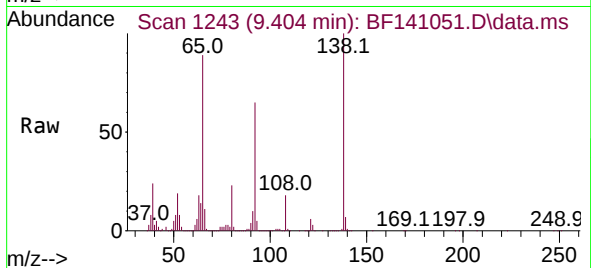
Tgt Ion: 65 Resp: 460638

Ion Ratio Lower Upper

65 100

92 72.2 55.6 83.4

138 111.8 80.5 120.7



#49

Acenaphthylene

Concen: 52.519 ng

RT: 9.728 min Scan# 1298

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

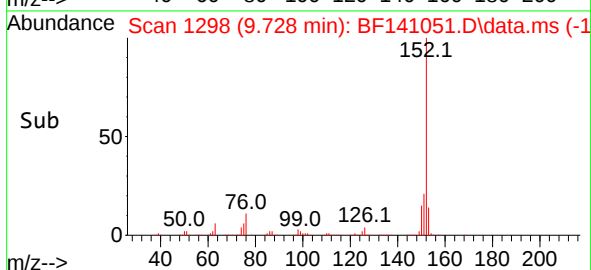
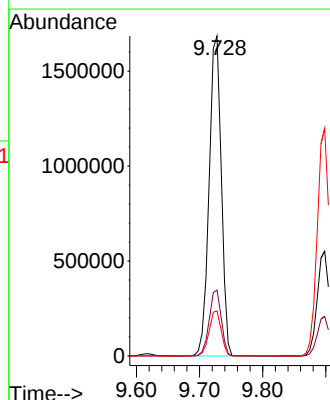
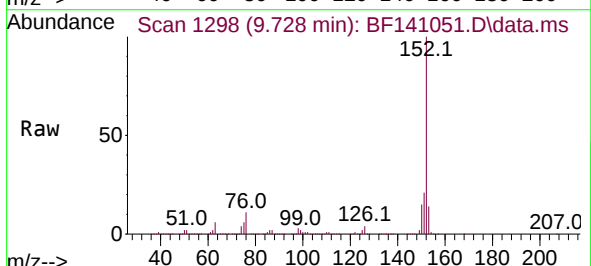
Tgt Ion: 152 Resp: 2262303

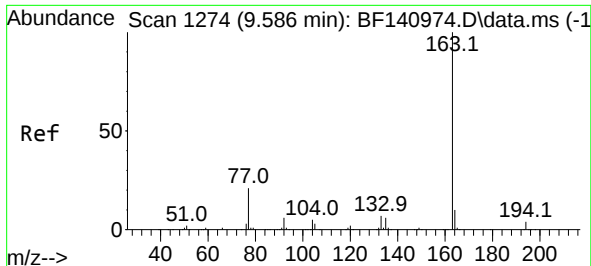
Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4

153 14.1 11.4 17.0

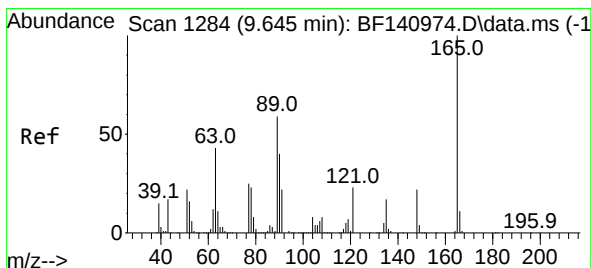
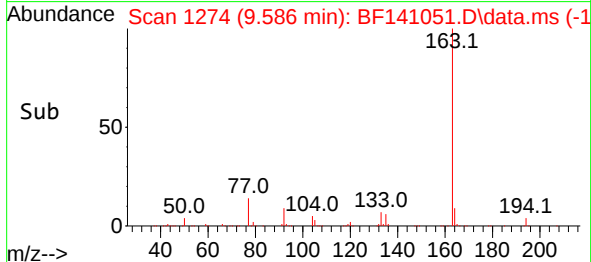
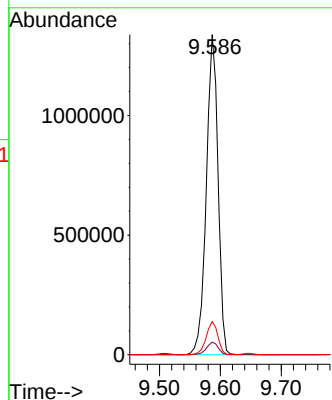
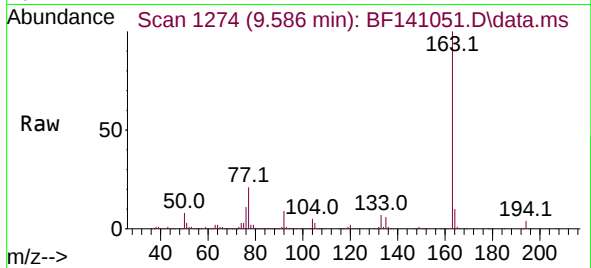




#50
Dimethylphthalate
Concen: 53.897 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

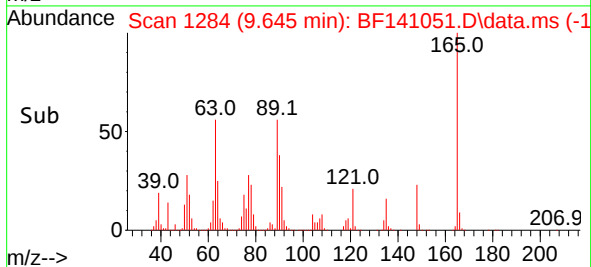
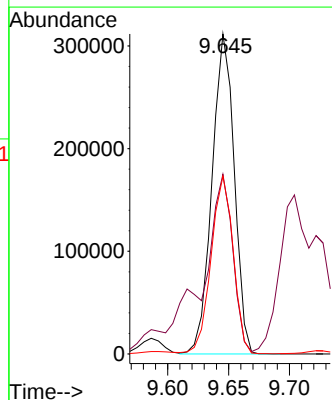
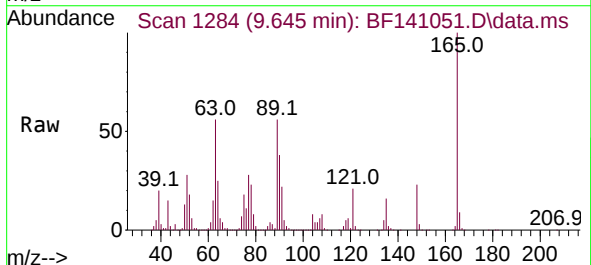
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

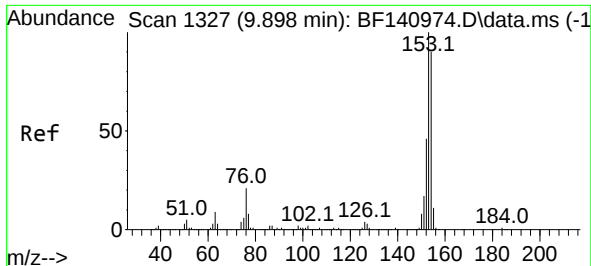
Tgt Ion:163 Resp: 1786357
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.4 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 57.772 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:165 Resp: 395932
Ion Ratio Lower Upper
165 100
63 56.1 47.1 70.7
89 55.6 47.0 70.4

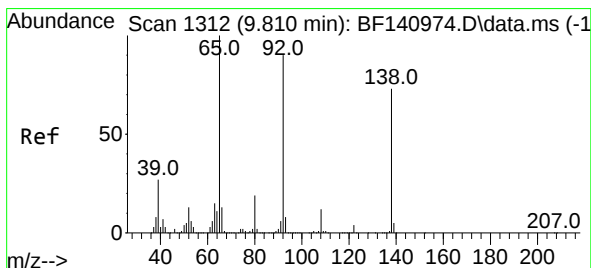
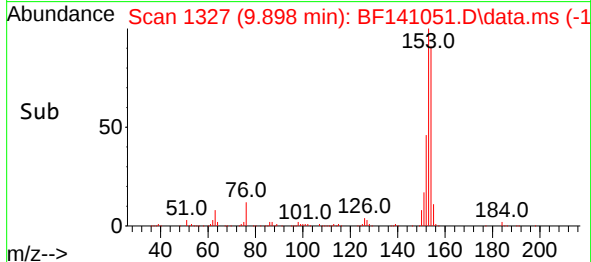
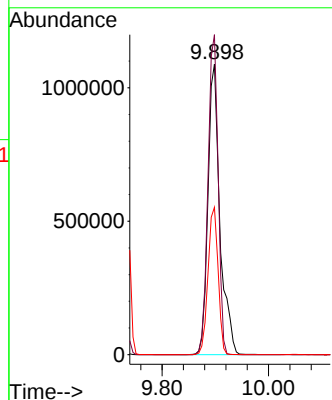
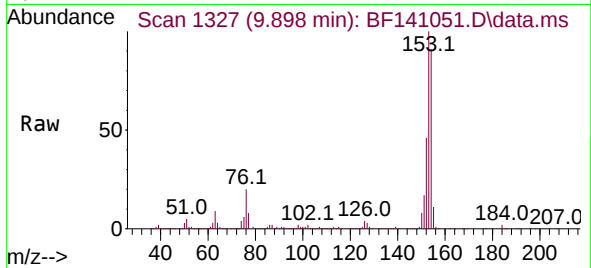




#52
Acenaphthene
Concen: 58.334 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

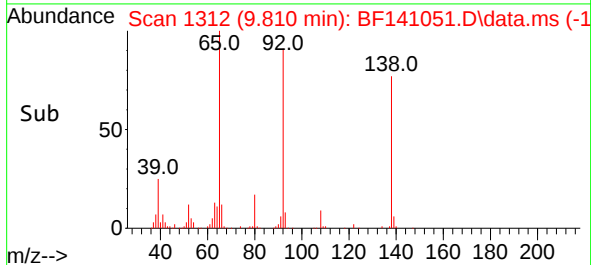
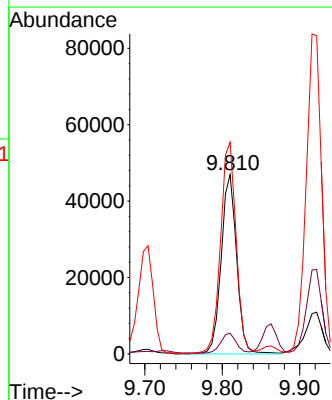
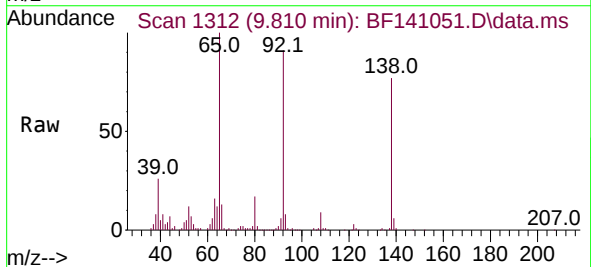
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

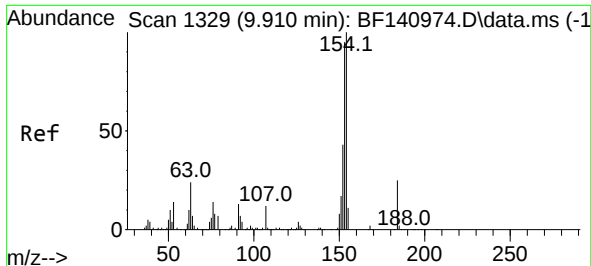
Tgt Ion:154 Resp: 1698760
Ion Ratio Lower Upper
154 100
153 110.2 89.2 133.8
152 50.7 40.9 61.3



#53
3-Nitroaniline
Concen: 11.544 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:138 Resp: 65298
Ion Ratio Lower Upper
138 100
108 11.6 13.5 20.3#
92 118.1 97.7 146.5

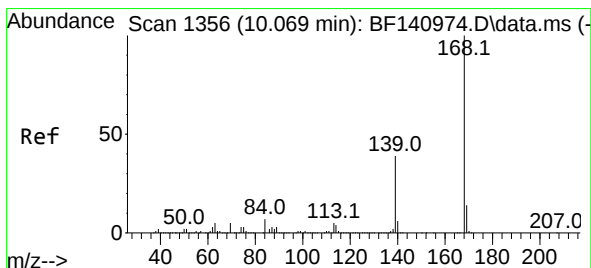
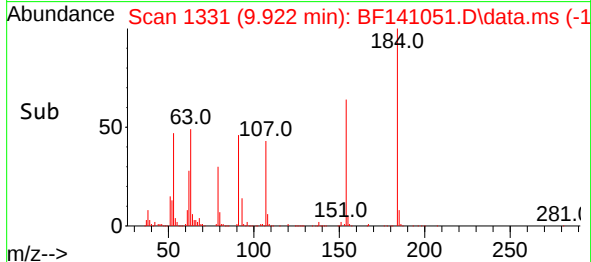
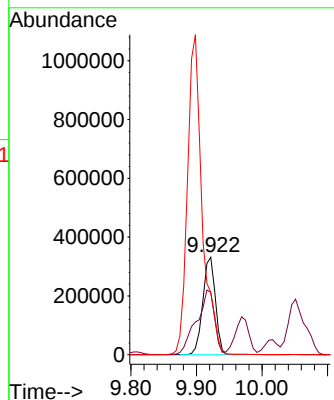
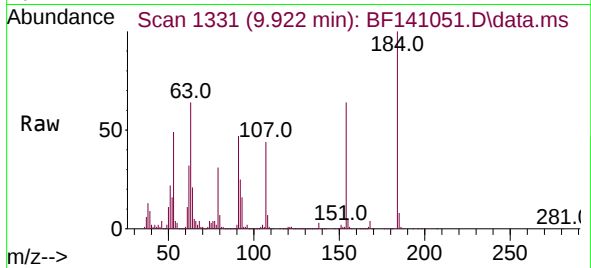




#54
2,4-Dinitrophenol
Concen: 129.142 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

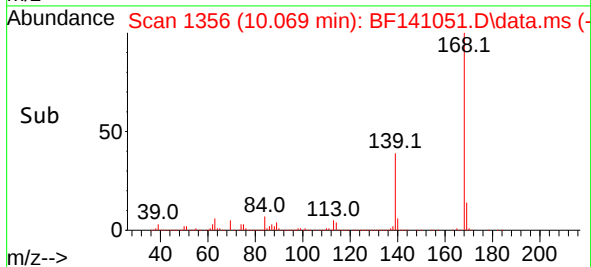
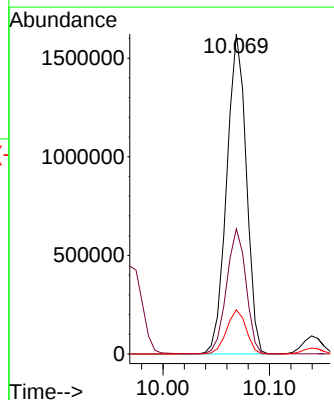
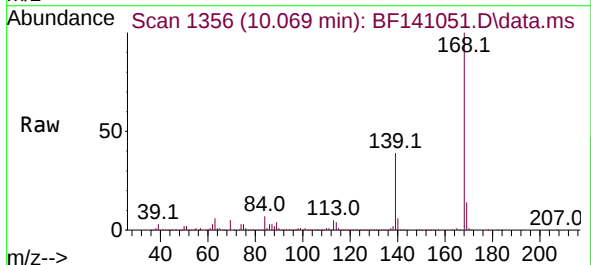
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

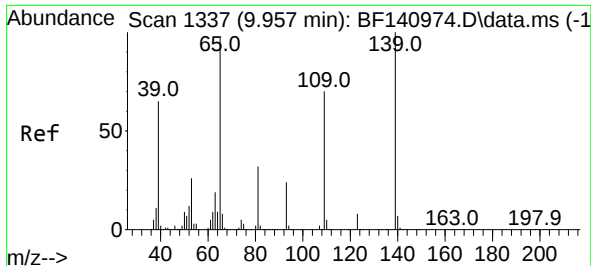
Tgt Ion:184 Resp: 446375
Ion Ratio Lower Upper
184 100
63 63.9 81.6 122.4#
154 63.7 363.5 545.3#



#55
Dibenzofuran
Concen: 50.661 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:168 Resp: 2073334
Ion Ratio Lower Upper
168 100
139 39.1 31.6 47.4
169 13.8 11.0 16.6

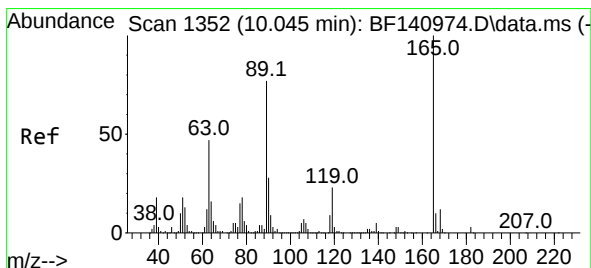
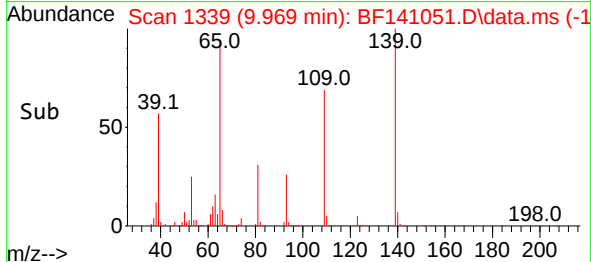
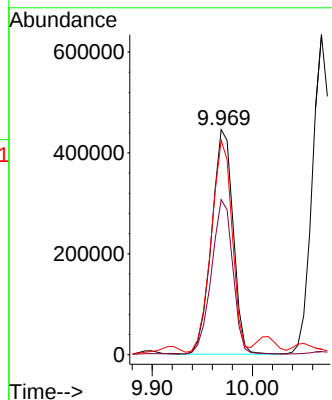
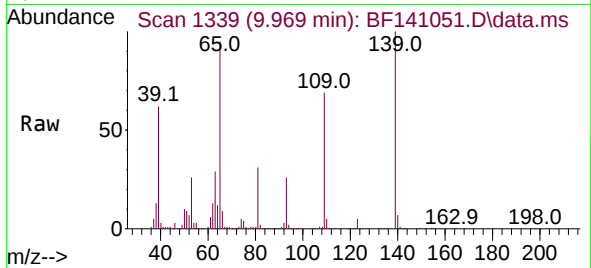




#56
4-Nitrophenol
Concen: 116.604 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

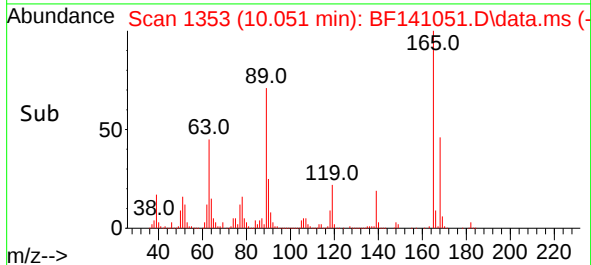
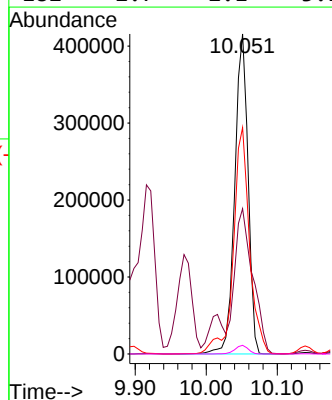
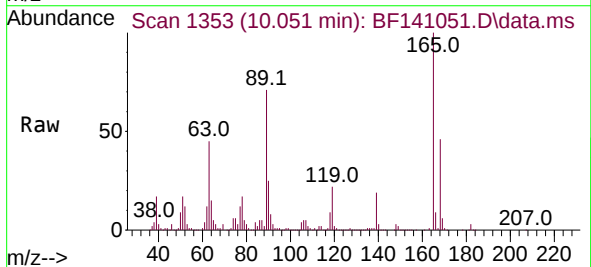
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

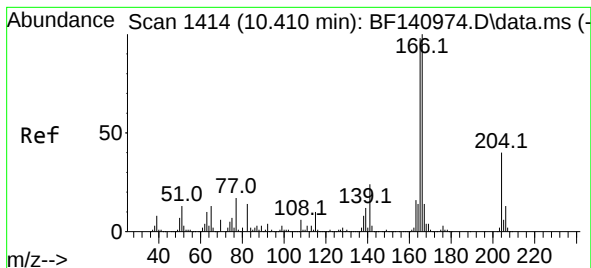
Tgt Ion:139 Resp: 661085
Ion Ratio Lower Upper
139 100
109 69.0 50.8 90.8
65 95.3 78.5 118.5



#57
2,4-Dinitrotoluene
Concen: 63.887 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:165 Resp: 542012
Ion Ratio Lower Upper
165 100
63 45.4 38.1 57.1
89 70.8 61.4 92.2
182 2.7 2.1 3.1





#58

Fluorene

Concen: 49.790 ng

RT: 10.410 min Scan# 1414

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

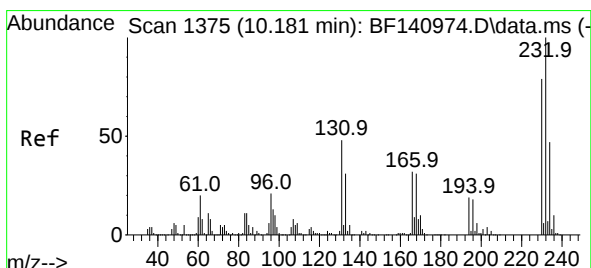
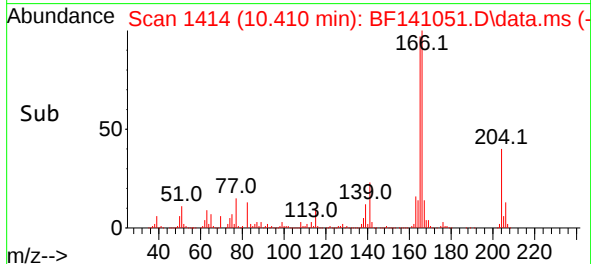
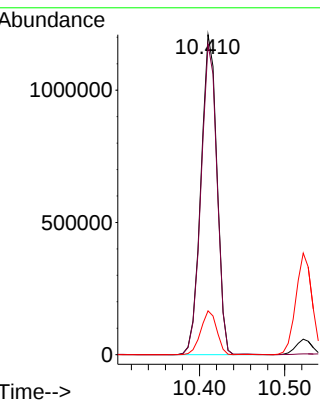
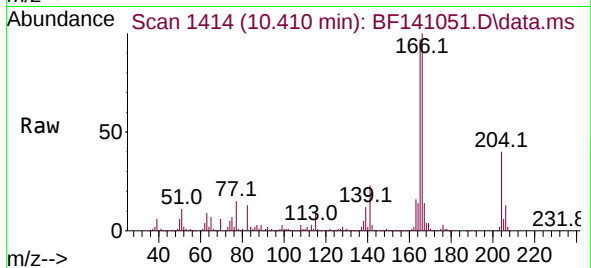
Tgt Ion:166 Resp: 1580114

Ion Ratio Lower Upper

166 100

165 97.0 78.3 117.5

167 13.7 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 59.215 ng

RT: 10.186 min Scan# 1376

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Tgt Ion:232 Resp: 462961

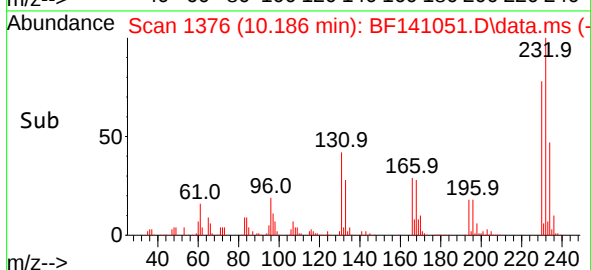
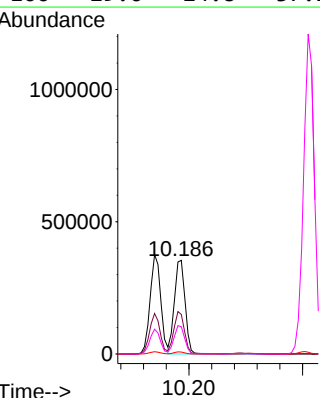
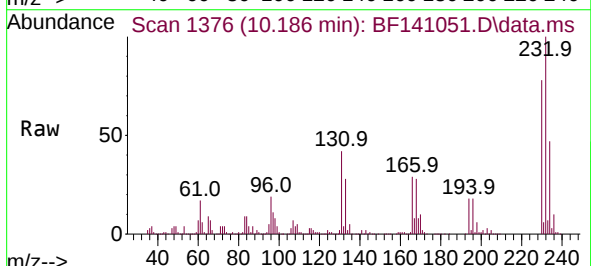
Ion Ratio Lower Upper

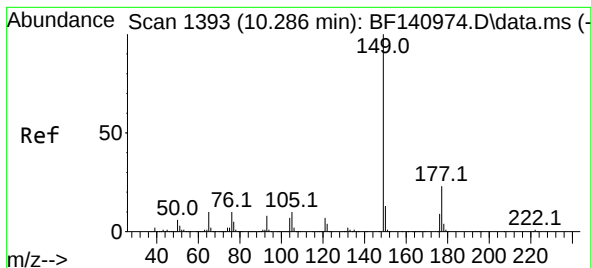
232 100

131 44.0 37.4 56.2

130 2.2 1.8 2.8

166 29.6 24.8 37.2





#60

Diethylphthalate

Concen: 52.335 ng

RT: 10.286 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

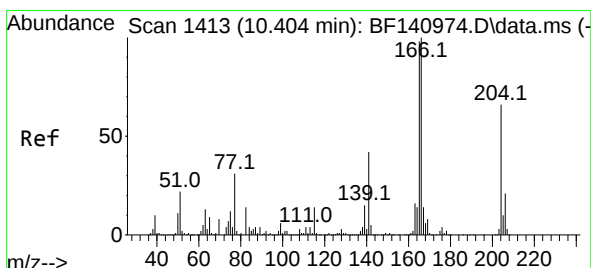
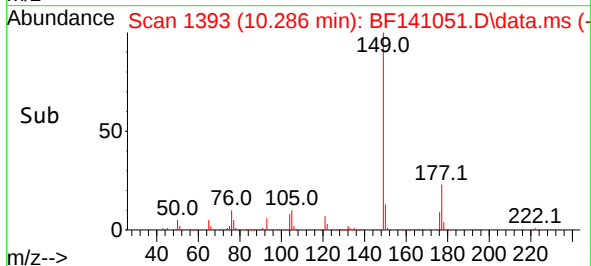
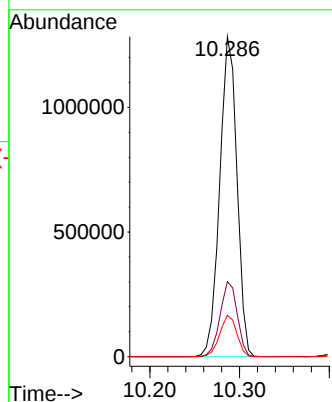
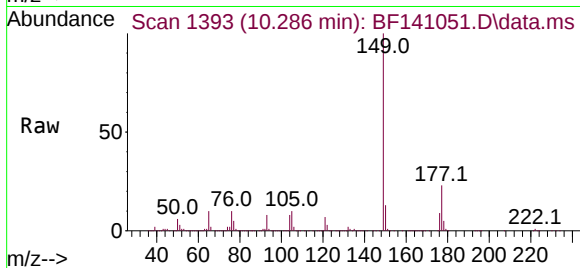
Tgt Ion:149 Resp: 1712441

Ion Ratio Lower Upper

149 100

177 23.4 18.3 27.5

150 12.9 10.4 15.6



#61

4-Chlorophenyl-phenylether

Concen: 50.650 ng

RT: 10.404 min Scan# 1413

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

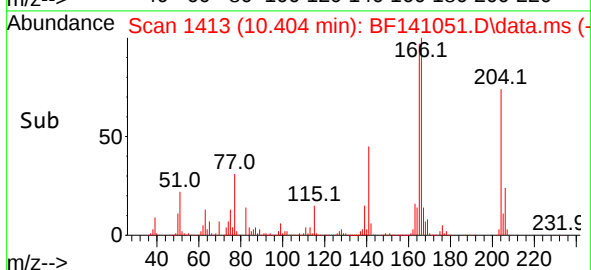
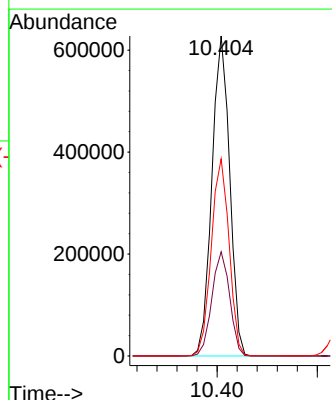
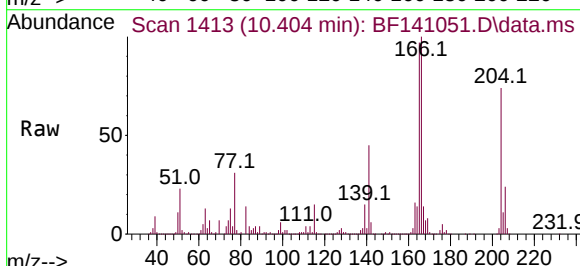
Tgt Ion:204 Resp: 773442

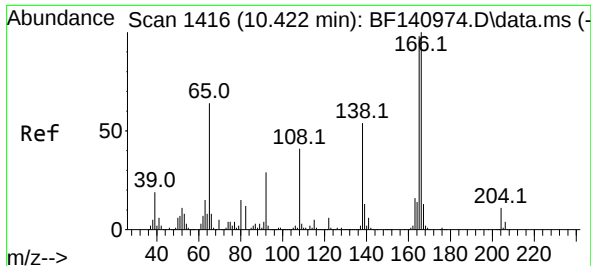
Ion Ratio Lower Upper

204 100

206 32.5 25.8 38.6

141 61.6 51.2 76.8

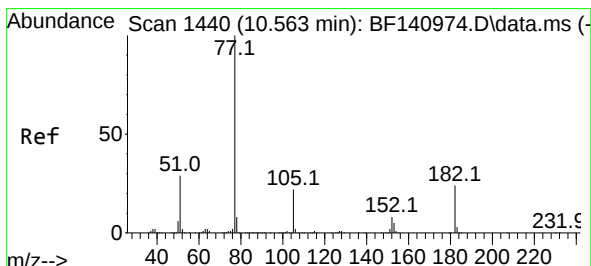
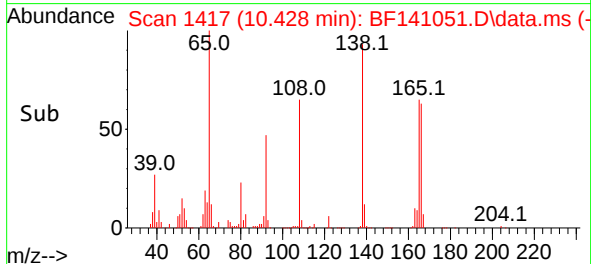
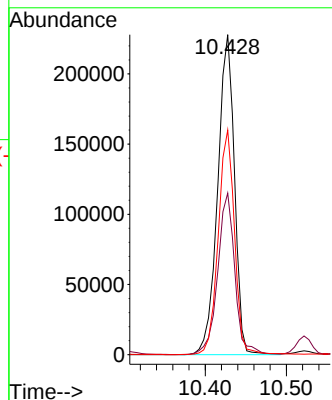
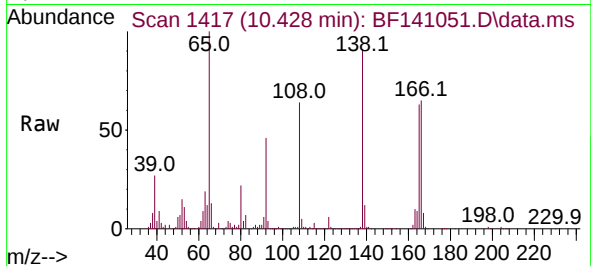




#62
4-Nitroaniline
Concen: 44.986 ng
RT: 10.428 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

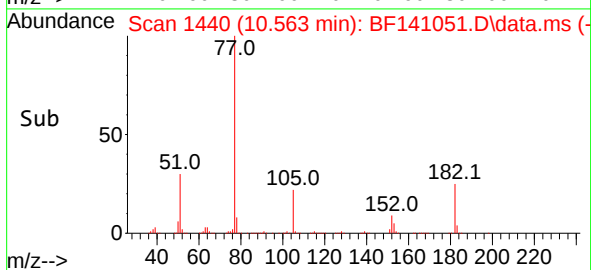
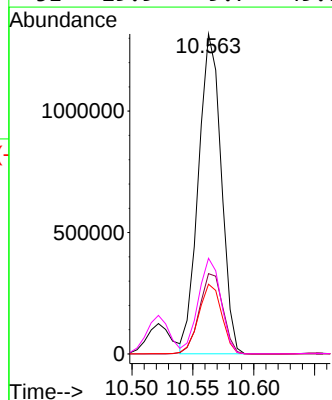
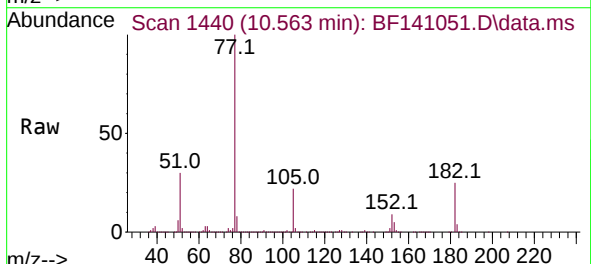
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

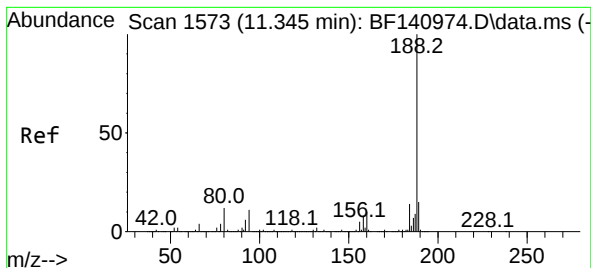
Tgt Ion:138 Resp: 328695
Ion Ratio Lower Upper
138 100
92 50.5 34.8 74.8
108 70.2 55.9 95.9



#63
Azobenzene
Concen: 49.822 ng
RT: 10.563 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 77 Resp: 1711084
Ion Ratio Lower Upper
77 100
182 25.1 4.1 44.1
105 21.8 1.8 41.8
51 29.9 9.7 49.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

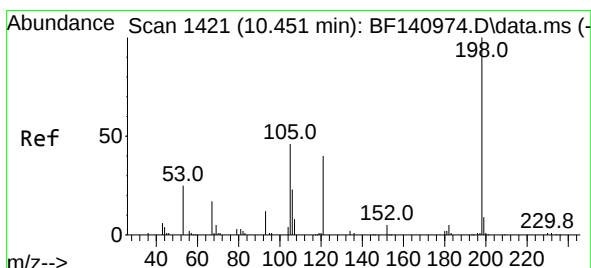
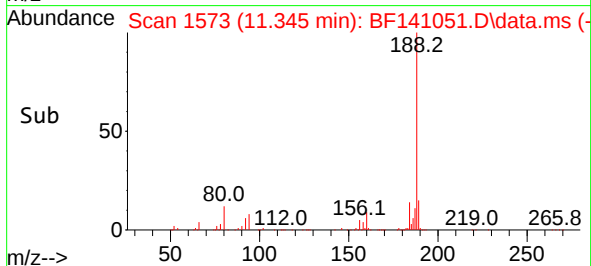
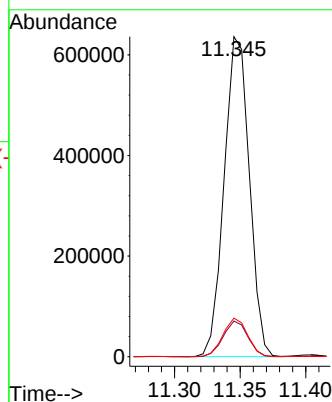
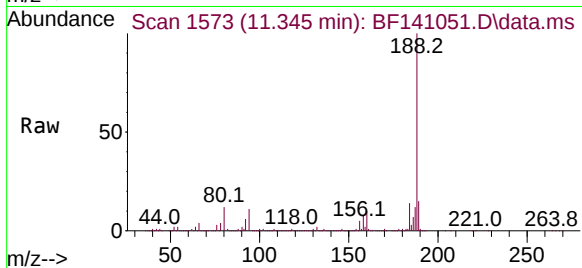
Tgt Ion:188 Resp: 849705

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.6

80 12.1 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 79.159 ng

RT: 10.457 min Scan# 1422

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

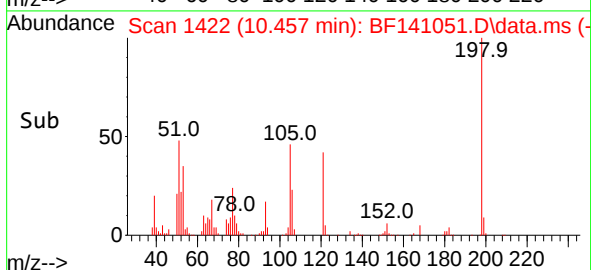
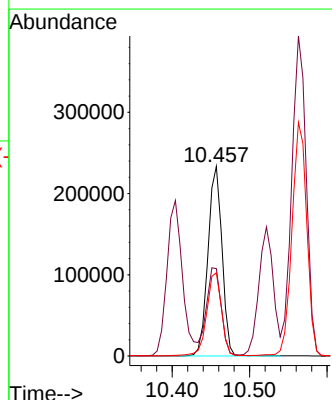
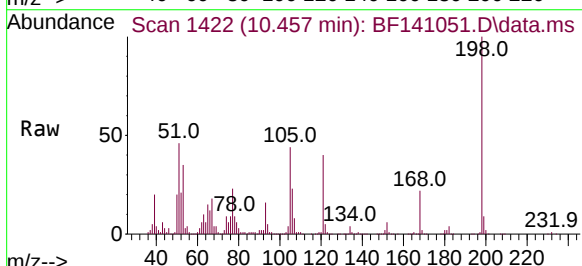
Tgt Ion:198 Resp: 293693

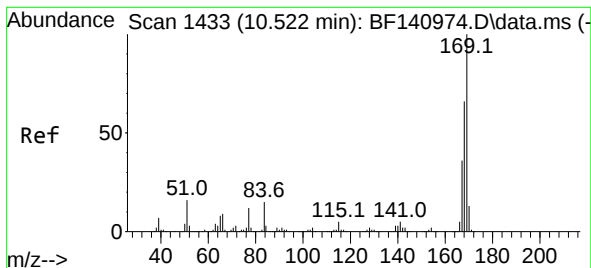
Ion Ratio Lower Upper

198 100

51 46.0 32.3 72.3

105 43.9 28.4 68.4





#66

n-Nitrosodiphenylamine

Concen: 51.370 ng

RT: 10.522 min Scan# 1433

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

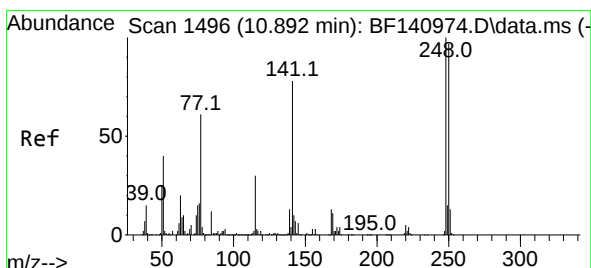
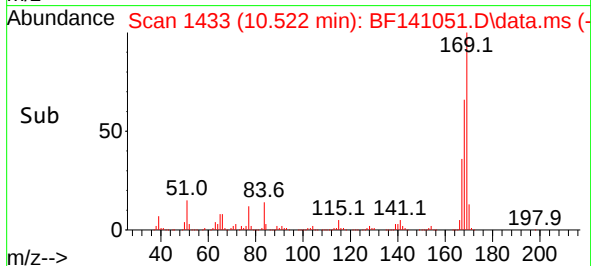
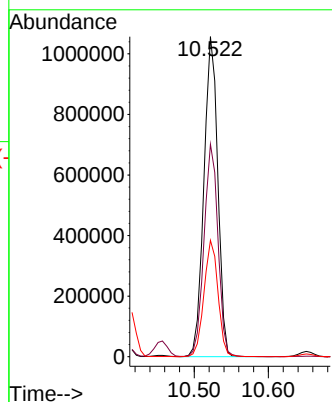
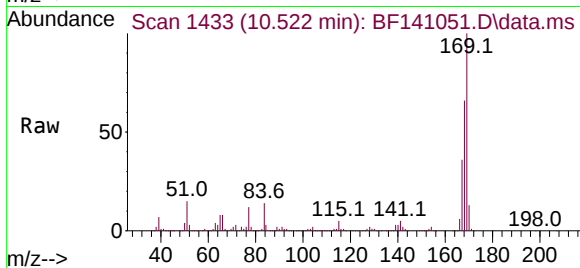
Tgt Ion:169 Resp: 1374523

Ion Ratio Lower Upper

169 100

168 66.4 52.6 79.0

167 36.3 29.0 43.4



#67

4-Bromophenyl-phenylether

Concen: 56.097 ng

RT: 10.892 min Scan# 1496

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

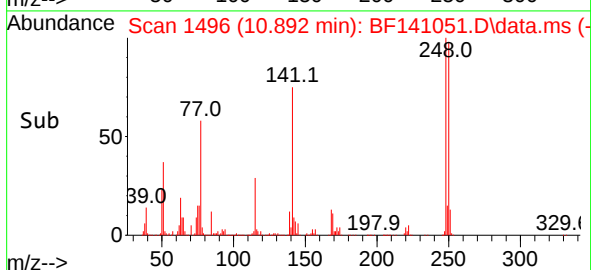
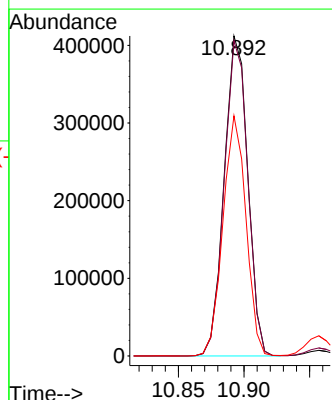
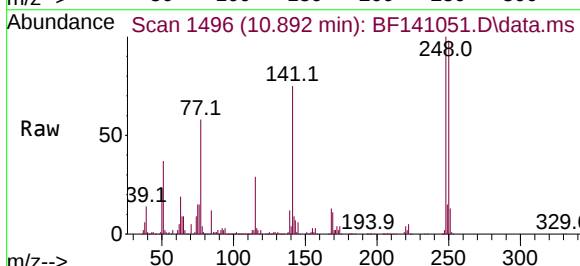
Tgt Ion:248 Resp: 515279

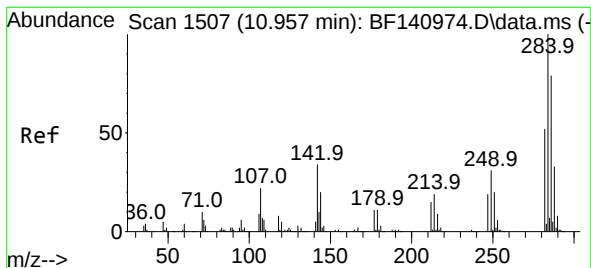
Ion Ratio Lower Upper

248 100

250 98.5 77.7 116.5

141 75.0 62.1 93.1





#68

Hexachlorobenzene

Concen: 55.296 ng

RT: 10.957 min Scan# 1507

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

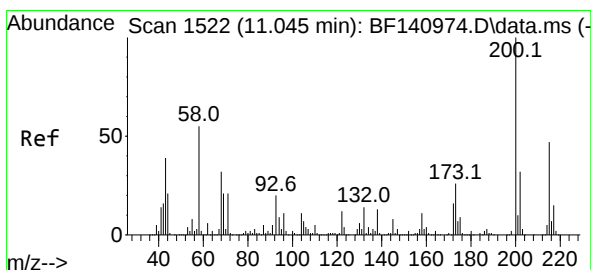
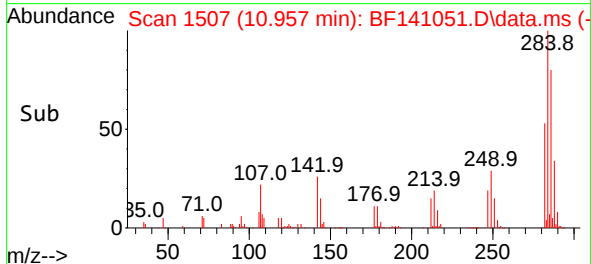
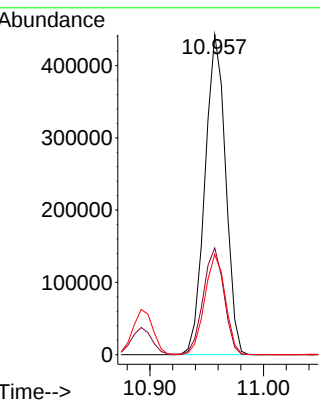
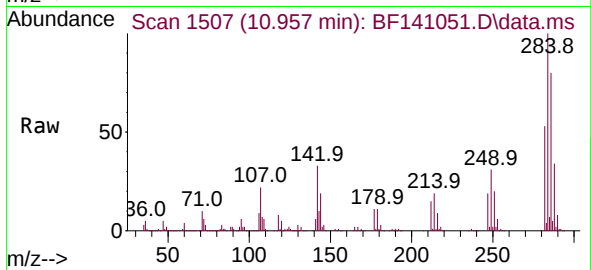
Tgt Ion:284 Resp: 560058

Ion Ratio Lower Upper

284 100

142 33.4 27.1 40.7

249 31.3 25.1 37.7



#69

Atrazine

Concen: 37.888 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

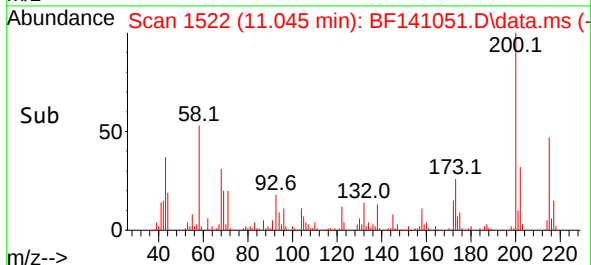
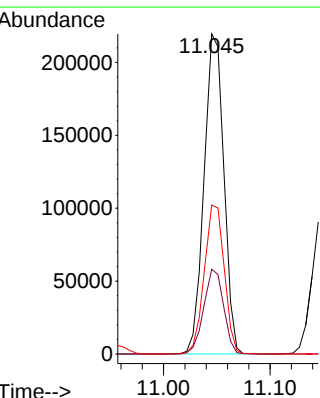
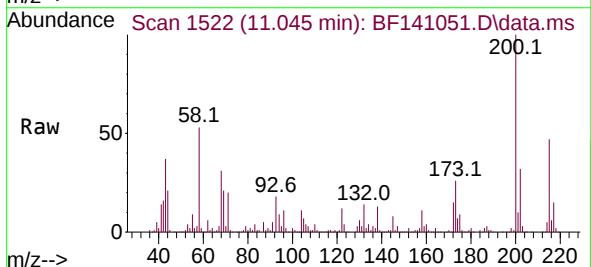
Tgt Ion:200 Resp: 283213

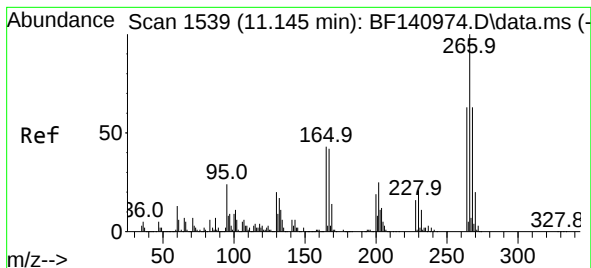
Ion Ratio Lower Upper

200 100

173 26.5 6.4 46.4

215 46.5 27.2 67.2





#70

Pentachlorophenol

Concen: 113.255 ng

RT: 11.151 min Scan# 1539

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

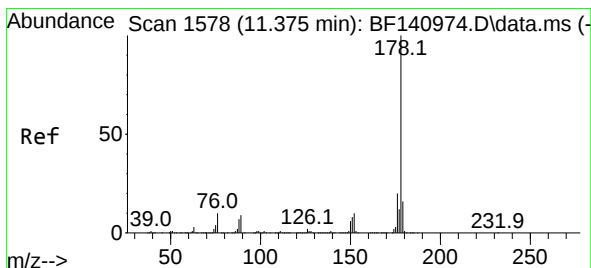
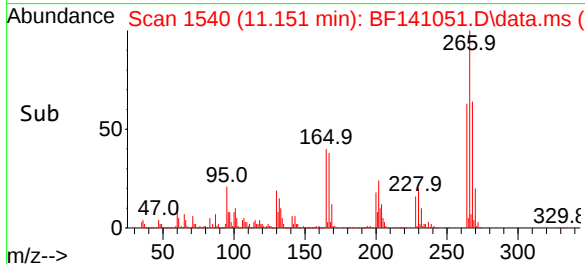
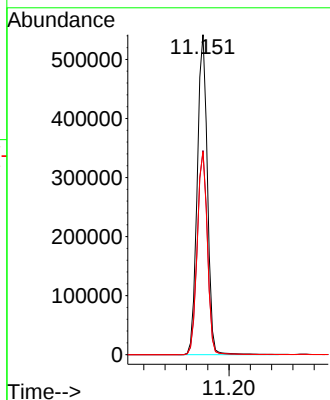
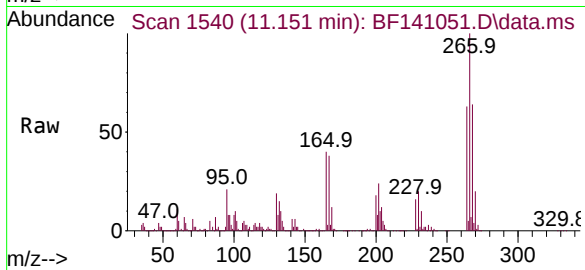
Tgt Ion:266 Resp: 714191

Ion Ratio Lower Upper

266 100

268 63.8 50.5 75.7

264 63.4 50.2 75.4



#71

Phenanthrene

Concen: 52.122 ng

RT: 11.375 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

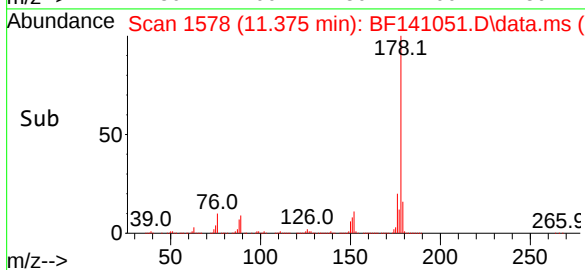
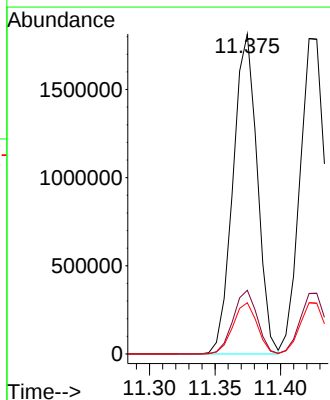
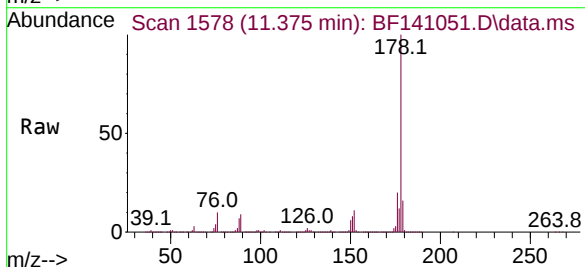
Tgt Ion:178 Resp: 2330937

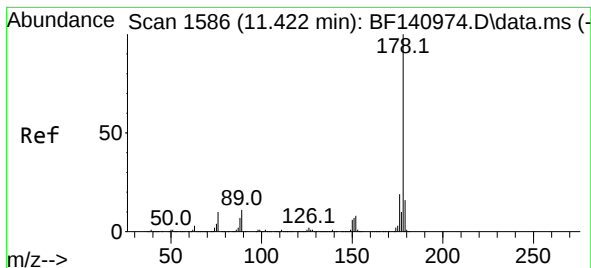
Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

179 16.0 12.6 19.0





#72

Anthracene

Concen: 54.370 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

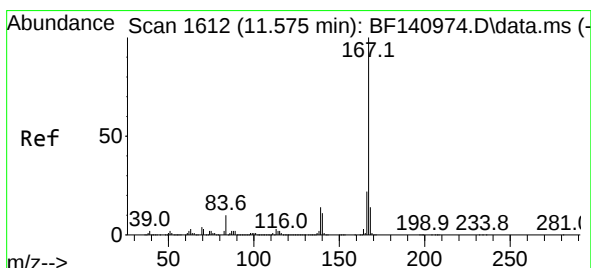
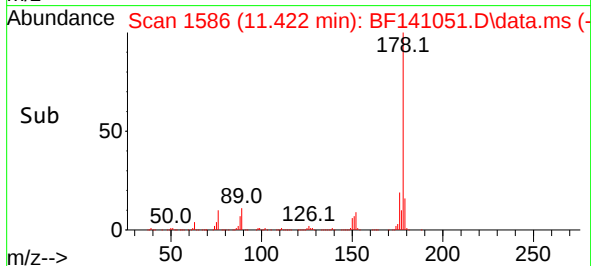
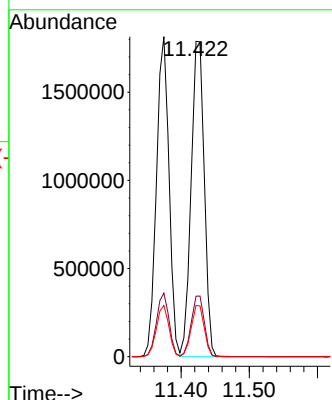
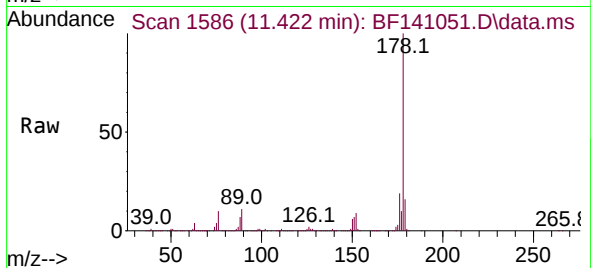
Tgt Ion:178 Resp: 2382528

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 16.2 12.9 19.3



#73

Carbazole

Concen: 47.426 ng

RT: 11.575 min Scan# 1612

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

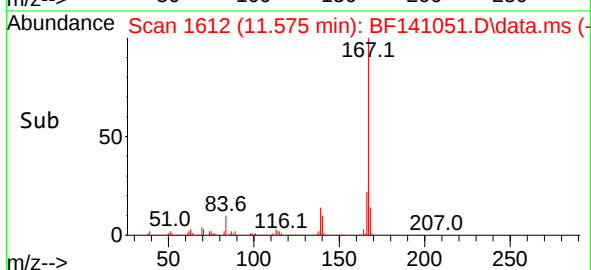
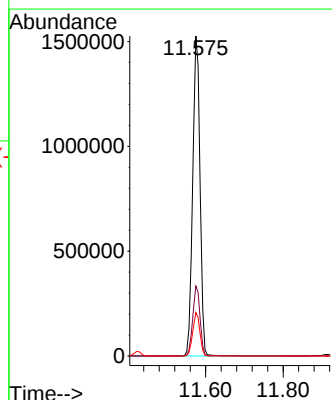
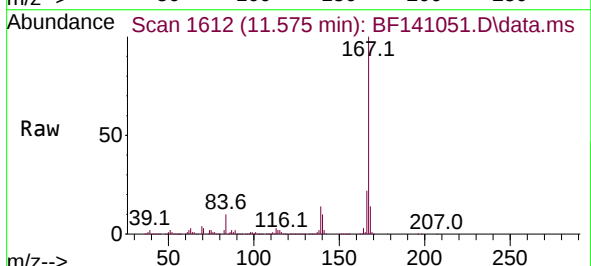
Tgt Ion:167 Resp: 1997834

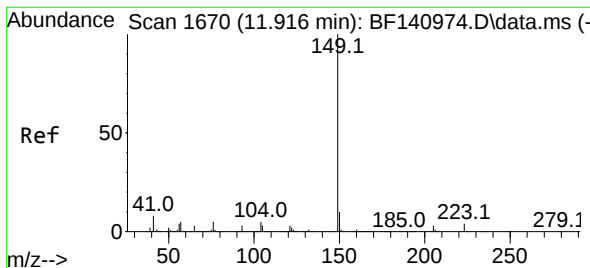
Ion Ratio Lower Upper

167 100

166 21.9 17.5 26.3

139 13.6 11.0 16.4





#74

Di-n-butylphthalate

Concen: 53.036 ng

RT: 11.910 min Scan# 1669

Delta R.T. -0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

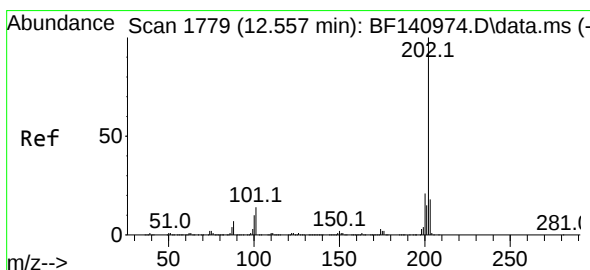
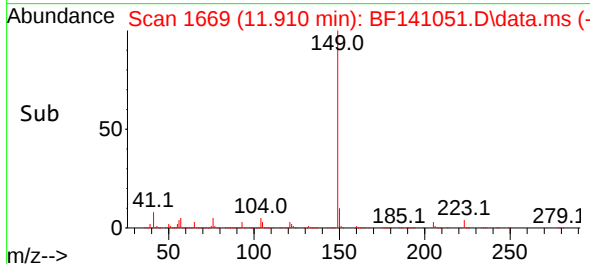
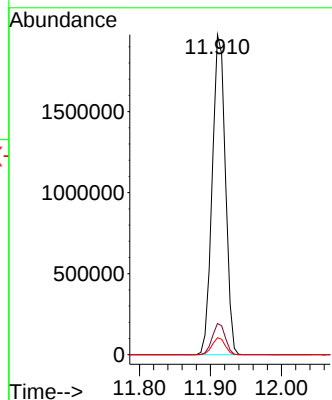
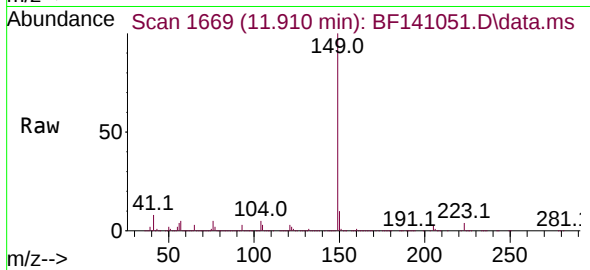
Tgt Ion:149 Resp: 2541145

Ion Ratio Lower Upper

149 100

150 9.8 7.7 11.5

104 5.3 4.1 6.1



#75

Fluoranthene

Concen: 47.056 ng

RT: 12.557 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

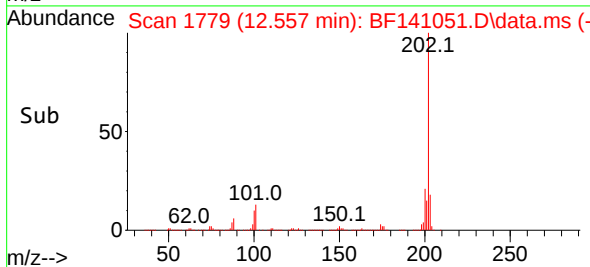
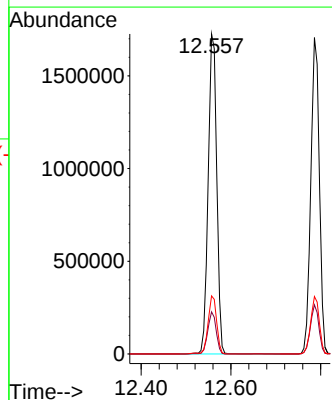
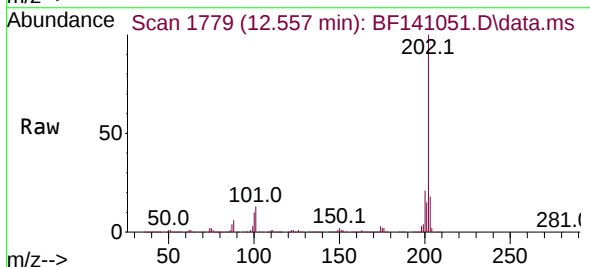
Tgt Ion:202 Resp: 2282314

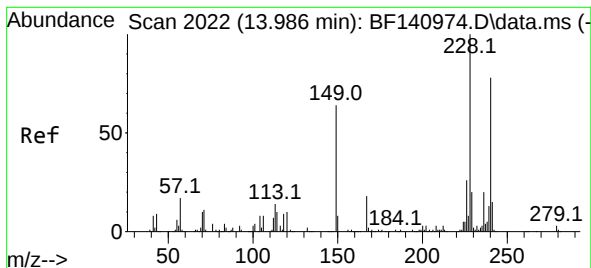
Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.7

203 18.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

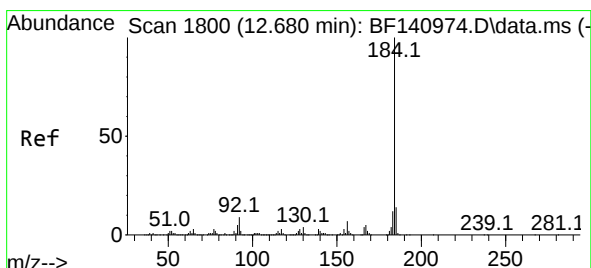
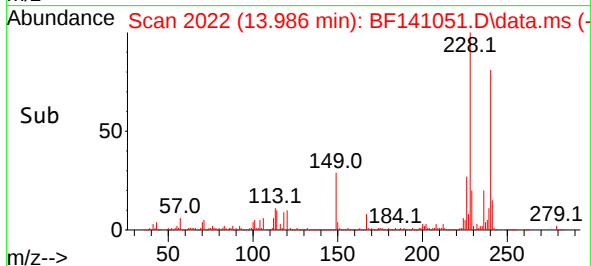
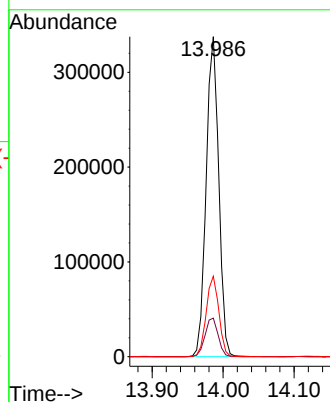
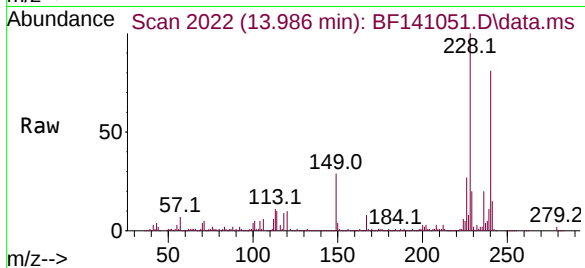
Tgt Ion:240 Resp: 416215

Ion Ratio Lower Upper

240 100

120 12.0 10.7 16.1

236 25.2 20.6 31.0



#77

Benzidine

Concen: 5.097 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

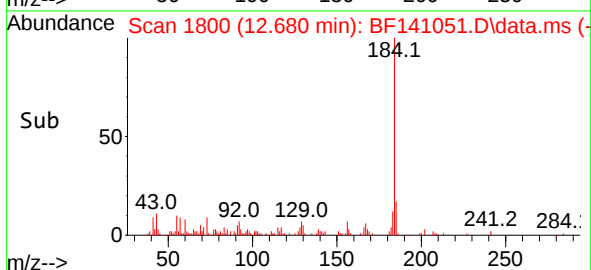
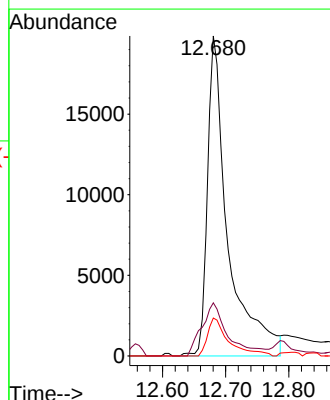
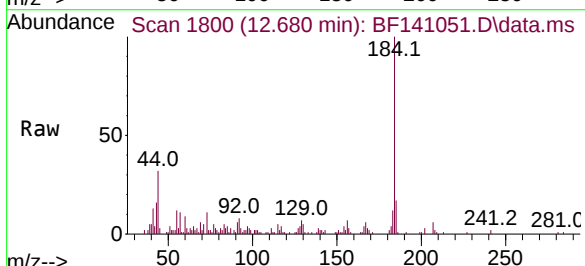
Tgt Ion:184 Resp: 44837

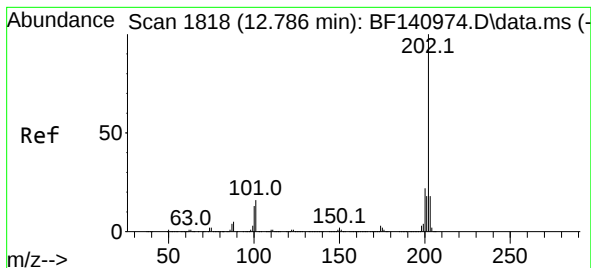
Ion Ratio Lower Upper

184 100

185 16.6 11.4 17.2

183 11.9 9.4 14.0





#78

Pyrene

Concen: 61.908 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

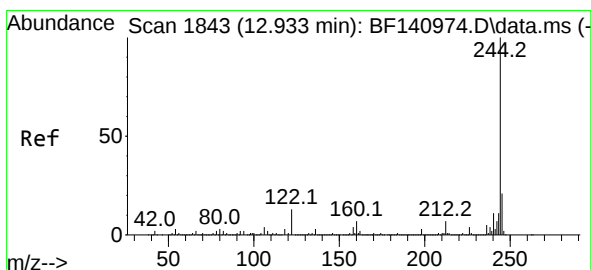
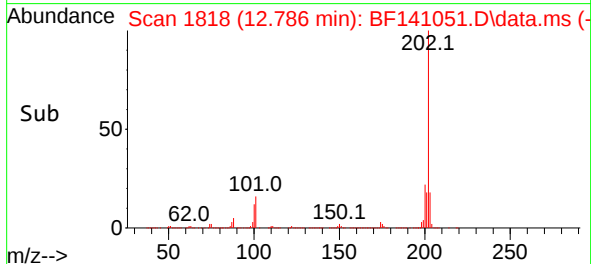
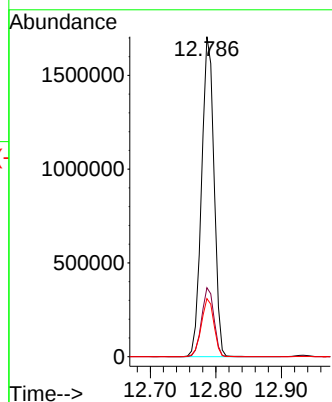
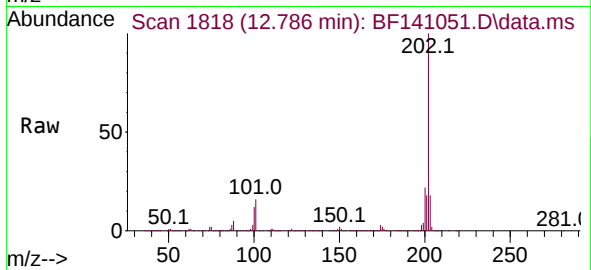
Tgt Ion:202 Resp: 2253520

Ion Ratio Lower Upper

202 100

200 21.5 17.3 25.9

203 18.2 14.6 21.8



#79

Terphenyl-d14

Concen: 121.819 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

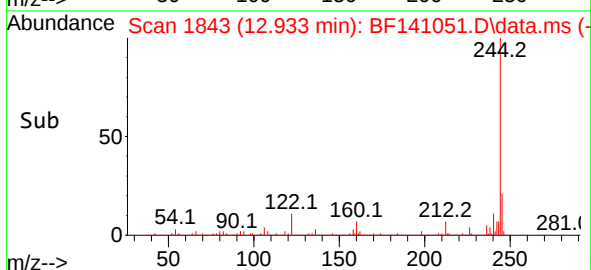
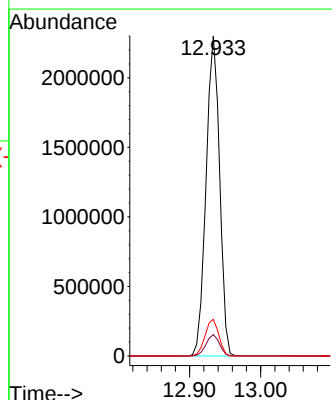
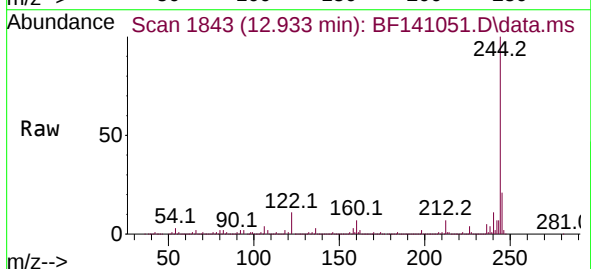
Tgt Ion:244 Resp: 3052555

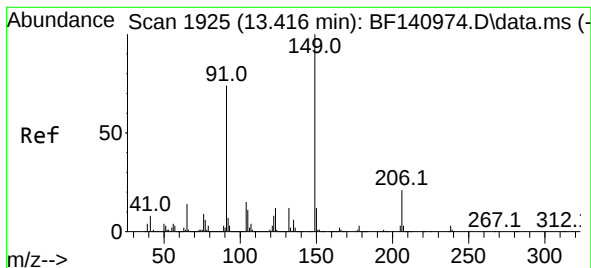
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 11.4 10.2 15.2





#80

Butylbenzylphthalate

Concen: 63.410 ng

RT: 13.410 min Scan# 1925

Delta R.T. -0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

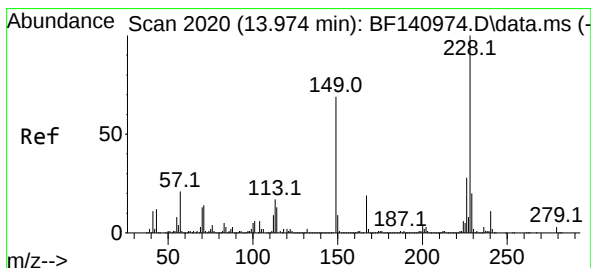
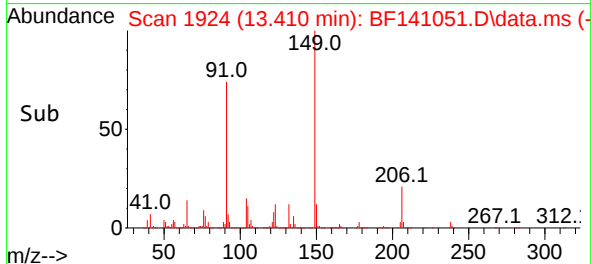
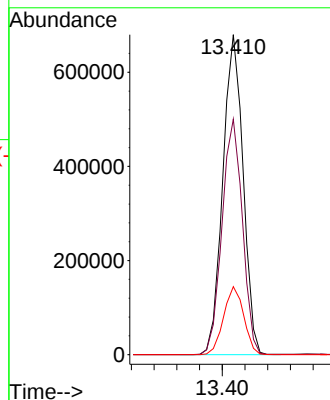
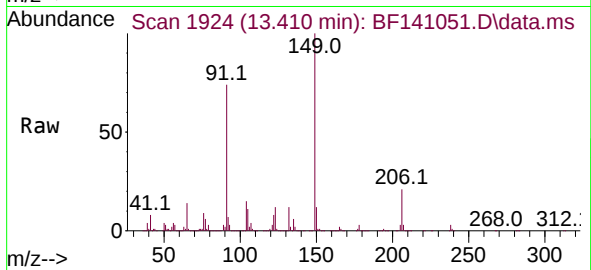
Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:149	Resp: 842846
Ion Ratio	Lower Upper
149	100
91	73.6 59.5 89.3
206	21.3 17.1 25.7



#81

Benzo(a)anthracene

Concen: 48.523 ng

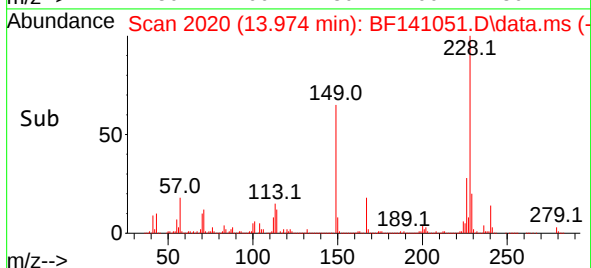
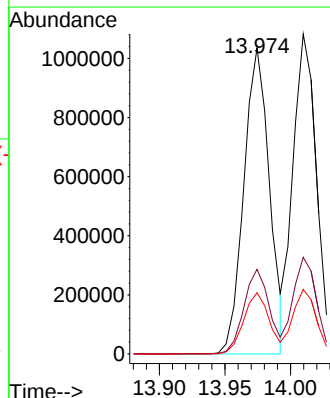
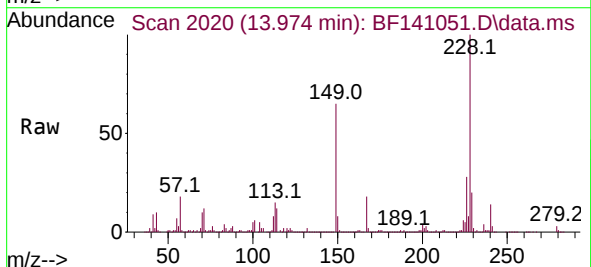
RT: 13.974 min Scan# 2020

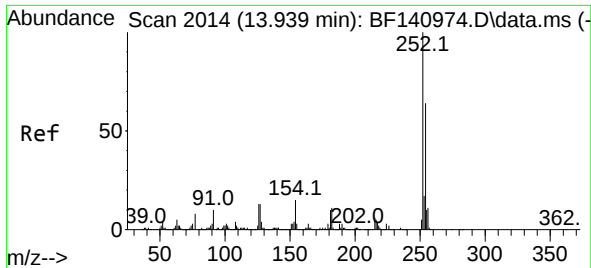
Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Tgt Ion:228	Resp: 1407543
Ion Ratio	Lower Upper
228	100
226	27.7 22.1 33.1
229	20.0 16.2 24.2

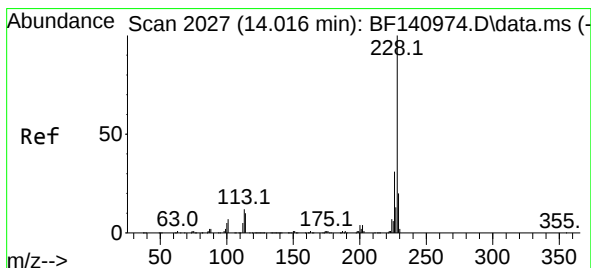
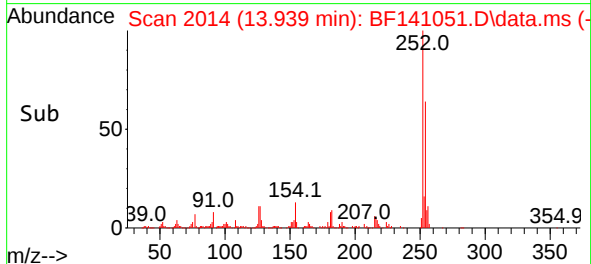
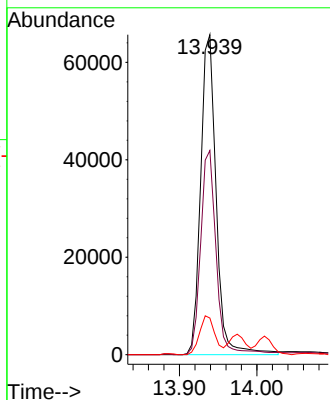
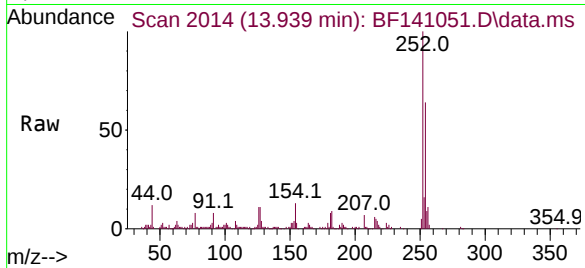




#82
 3,3'-Dichlorobenzidine
 Concen: 10.498 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: BF141051.D
 Acq: 31 Dec 2024 11:49

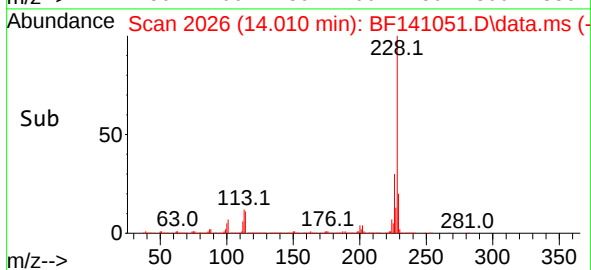
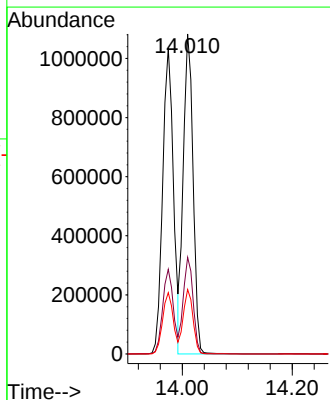
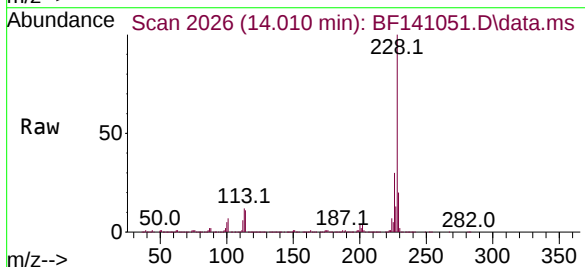
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD

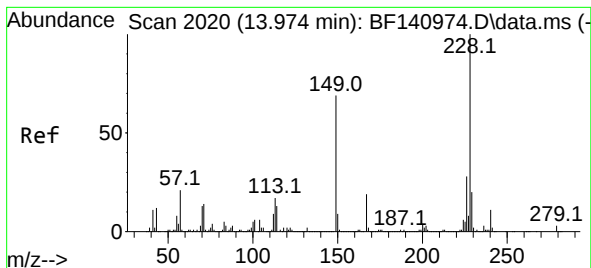
Tgt Ion:252 Resp: 91490
 Ion Ratio Lower Upper
 252 100
 254 63.8 51.5 77.3
 126 11.5 10.3 15.5



#83
 Chrysene
 Concen: 51.388 ng
 RT: 14.010 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF141051.D
 Acq: 31 Dec 2024 11:49

Tgt Ion:228 Resp: 1343766
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.5 36.7
 229 20.1 16.2 24.4

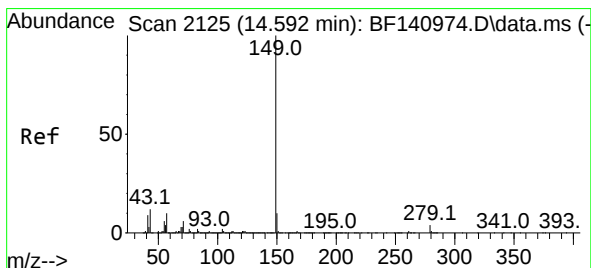
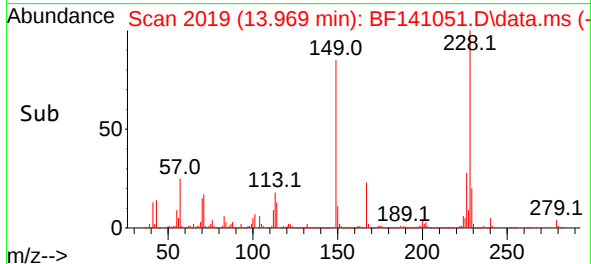
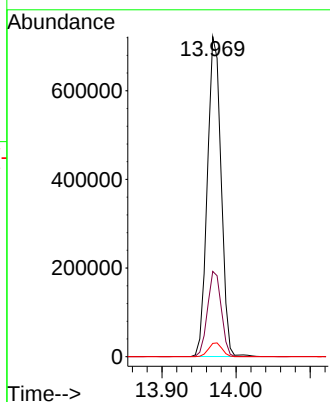
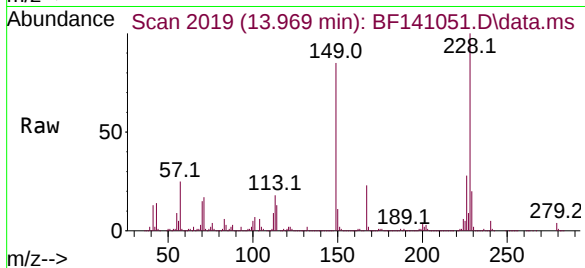




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.023 ng
 RT: 13.969 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF141051.D
 Acq: 31 Dec 2024 11:49

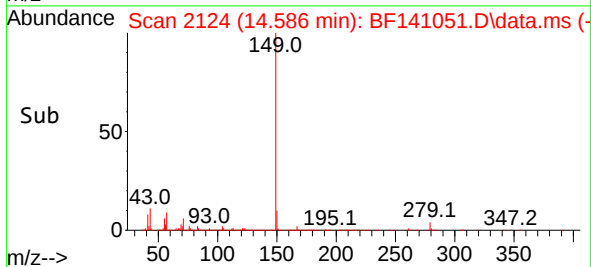
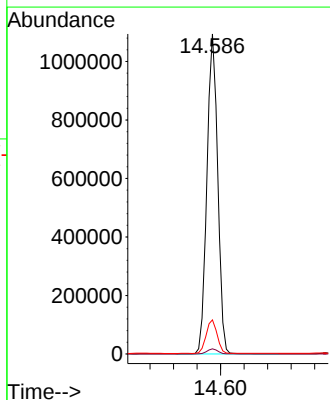
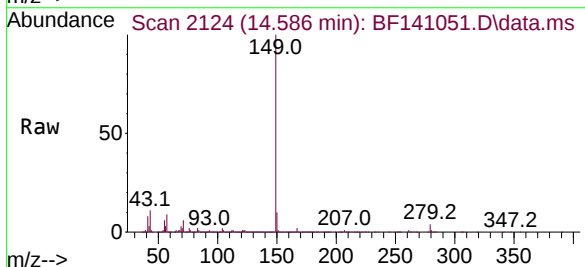
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD

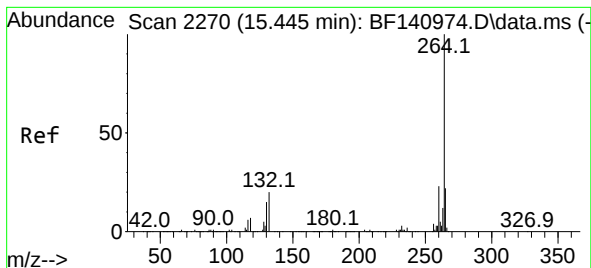
Tgt Ion:149 Resp: 931448
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.6 32.4
 279 4.1 3.2 4.8



#85
 Di-n-octyl phthalate
 Concen: 55.553 ng
 RT: 14.586 min Scan# 2124
 Delta R.T. -0.006 min
 Lab File: BF141051.D
 Acq: 31 Dec 2024 11:49

Tgt Ion:149 Resp: 1386309
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.2 1.8
 43 10.6 9.3 13.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

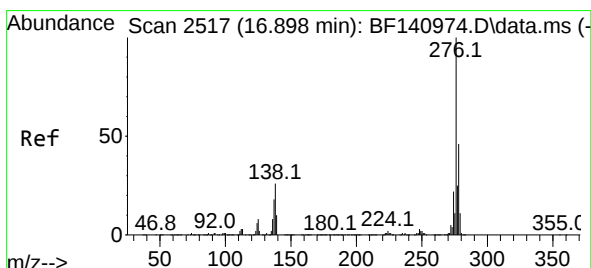
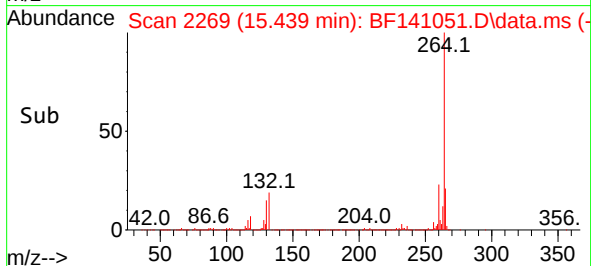
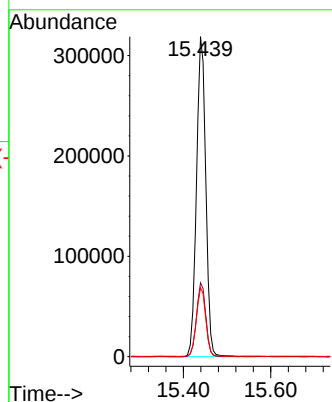
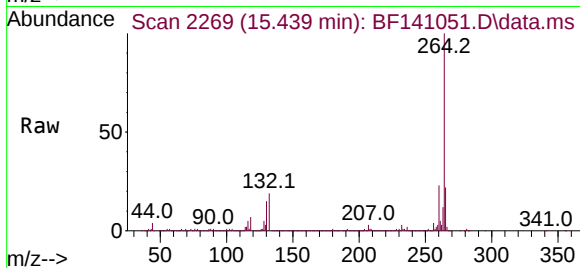
Tgt Ion:264 Resp: 472841

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.6 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 66.588 ng

RT: 16.904 min Scan# 2518

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

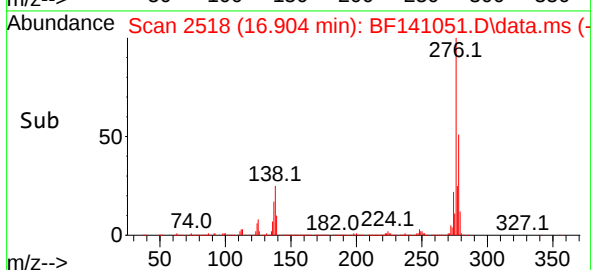
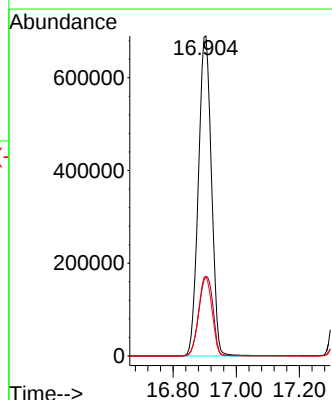
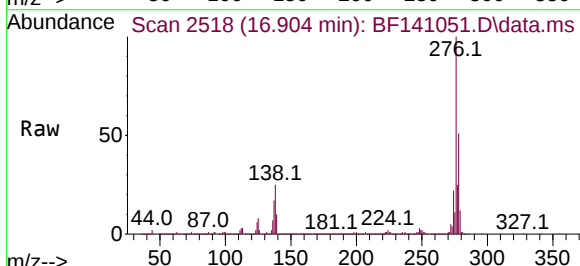
Tgt Ion:276 Resp: 1983646

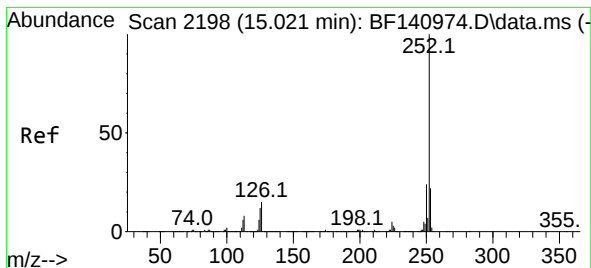
Ion Ratio Lower Upper

276 100

138 26.8 23.1 34.7

277 25.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 45.230 ng

RT: 15.021 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

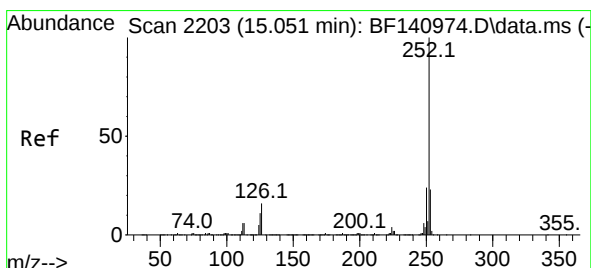
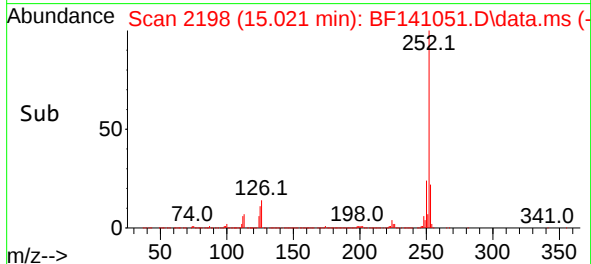
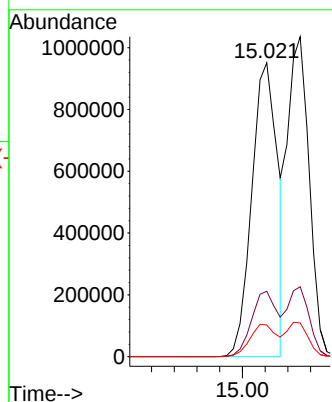
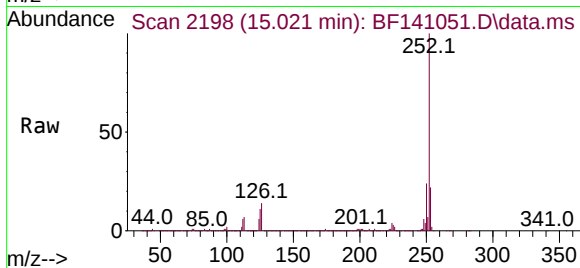
Tgt Ion:252 Resp: 1491587

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 10.8 9.3 13.9



#89

Benzo(k)fluoranthene

Concen: 53.198 ng

RT: 15.051 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

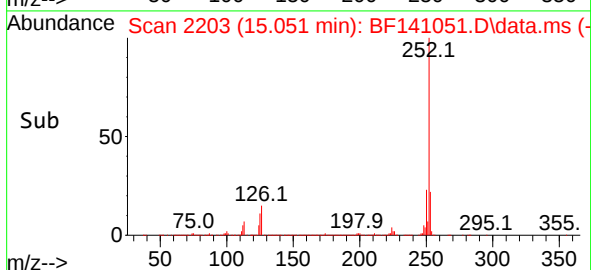
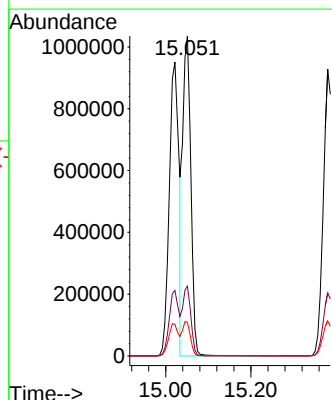
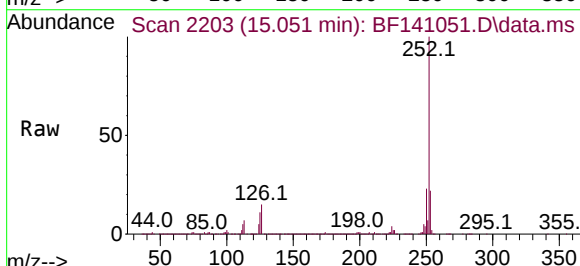
Tgt Ion:252 Resp: 1375012

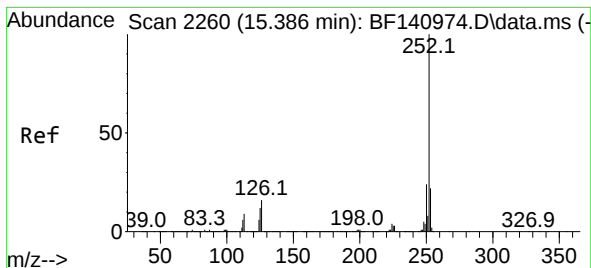
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 10.5 9.4 14.0





#90

Benzo(a)pyrene

Concen: 56.315 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

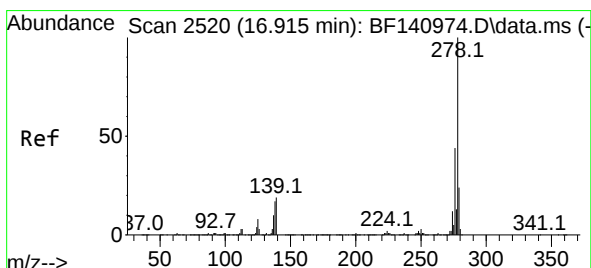
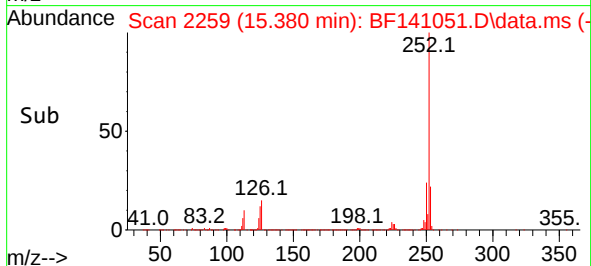
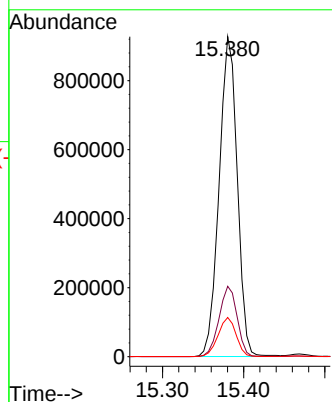
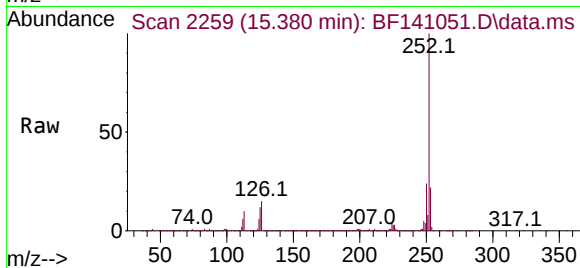
Tgt Ion:252 Resp: 1441471

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 12.2 9.8 14.8



#91

Dibenzo(a,h)anthracene

Concen: 65.995 ng

RT: 16.921 min Scan# 2521

Delta R.T. 0.006 min

Lab File: BF141051.D

Acq: 31 Dec 2024 11:49

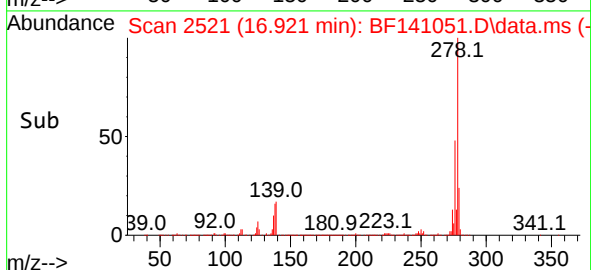
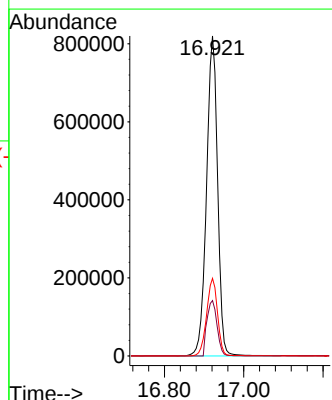
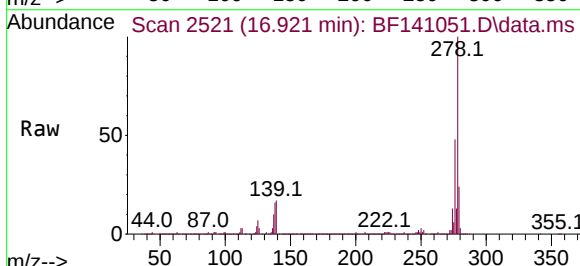
Tgt Ion:278 Resp: 1593652

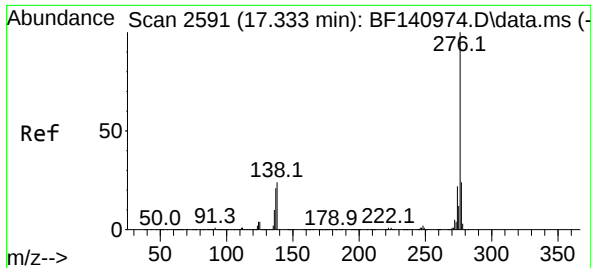
Ion Ratio Lower Upper

278 100

139 17.3 14.9 22.3

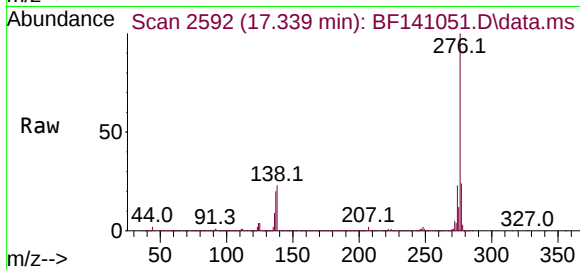
279 24.3 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 59.450 ng
 RT: 17.339 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF141051.D
 Acq: 31 Dec 2024 11:49

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD



Tgt Ion:276 Resp: 1488983
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.4
 138 23.4 19.4 29.2

