

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143122.D
 Acq On : 16 Jul 2025 22:09
 Operator : RC/JU
 Sample : Q2592-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS

Quant Time: Jul 17 03:45:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	147018	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	556657	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	279575	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	442443	20.000	ng	0.00
76) Chrysene-d12	14.127	240	237238	20.000	ng	0.00
86) Perylene-d12	15.633	264	283551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	929786	99.920	ng	0.02
7) Phenol-d6	6.586	99	1110845	94.970	ng	0.00
23) Nitrobenzene-d5	7.522	82	799375	80.558	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	314839	126.298	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1438701	68.405	ng	0.00
79) Terphenyl-d14	13.074	244	1130292	69.646	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	152658	32.957	ng	# 89
3) Pyridine	3.716	79	345508	29.456	ng	99
4) n-Nitrosodimethylamine	3.651	42	218794	36.003	ng	99
6) Aniline	6.628	93	233504	14.176	ng	99
8) 2-Chlorophenol	6.751	128	367790	39.339	ng	100
9) Benzaldehyde	6.516	77	184618	20.714	ng	99
10) Phenol	6.604	94	447469	35.338	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	371882	37.937	ng	99
12) 1,3-Dichlorobenzene	6.910	146	374742	35.480	ng	99
13) 1,4-Dichlorobenzene	6.986	146	379205	35.686	ng	100
14) 1,2-Dichlorobenzene	7.139	146	367410	36.258	ng	100
15) Benzyl Alcohol	7.098	79	356998	41.191	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.239	45	669145	37.031	ng	99
17) 2-Methylphenol	7.210	107	318220	39.442	ng	99
18) Hexachloroethane	7.486	117	128982	37.286	ng	97
19) n-Nitroso-di-n-propyla...	7.375	70	284422	39.690	ng	99
20) 3+4-Methylphenols	7.363	107	384937	38.905	ng	92
22) Acetophenone	7.369	105	517043	38.531	ng	94
24) Nitrobenzene	7.545	77	408070	42.599	ng	97
25) Isophorone	7.781	82	781406	40.742	ng	99
26) 2-Nitrophenol	7.857	139	167379	44.075	ng	98
27) 2,4-Dimethylphenol	7.892	122	365844	41.098	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	475295	40.866	ng	99
29) 2,4-Dichlorophenol	8.098	162	309908	42.554	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	318849	38.578	ng	99
31) Naphthalene	8.269	128	1074621	38.875	ng	100
32) Benzoic acid	7.892	122	365844	77.796	ng	# 12
33) 4-Chloroaniline	8.304	127	61328	5.517	ng	99
34) Hexachlorobutadiene	8.392	225	192967	39.039	ng	99
35) Caprolactam	8.663	113	52146	22.930	ng	98
36) 4-Chloro-3-methylphenol	8.786	107	340734	42.002	ng	100
37) 2-Methylnaphthalene	8.963	142	671479	40.718	ng	99
38) 1-Methylnaphthalene	9.063	142	688897	40.277	ng	100
40) 1,2,4,5-Tetrachloroben...	9.127	216	318144	39.048	ng	99
41) Hexachlorocyclopentadiene	9.122	237	357351	79.110	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	222112	43.874	ng	99

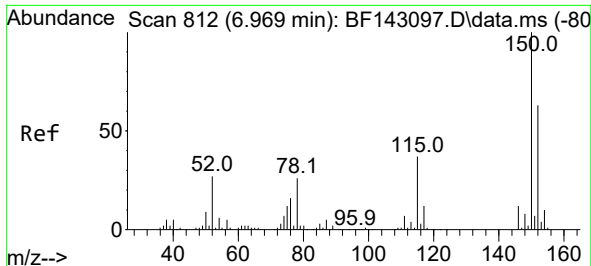
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143122.D
 Acq On : 16 Jul 2025 22:09
 Operator : RC/JU
 Sample : Q2592-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS

Quant Time: Jul 17 03:45:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	229401	43.216	ng	98
46) 1,1'-Biphenyl	9.422	154	899008	40.322	ng	99
47) 2-Chloronaphthalene	9.451	162	655257	40.006	ng	99
48) 2-Nitroaniline	9.533	65	211327	43.531	ng	99
49) Acenaphthylene	9.869	152	1124808	41.213	ng	100
50) Dimethylphthalate	9.722	163	771833	43.883	ng	100
51) 2,6-Dinitrotoluene	9.780	165	157757	45.543	ng	90
52) Acenaphthene	10.039	154	647980	40.233	ng	99
53) 3-Nitroaniline	9.945	138	90479	23.807	ng	98
54) 2,4-Dinitrophenol	10.045	184	24192	26.899	ng	# 1
55) Dibenzofuran	10.210	168	979540	40.804	ng	99
56) 4-Nitrophenol	10.098	139	229295	75.913	ng	95
57) 2,4-Dinitrotoluene	10.180	165	200358	46.293	ng	99
58) Fluorene	10.551	166	727865	40.441	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	185838	44.054	ng	99
60) Diethylphthalate	10.422	149	727950	42.899	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	357337	41.424	ng	99
62) 4-Nitroaniline	10.557	138	148386	44.897	ng	100
63) Azobenzene	10.704	77	789208	42.054	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	31475	24.093	ng	96
66) n-Nitrosodiphenylamine	10.657	169	657305	42.294	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	217241	43.176	ng	98
68) Hexachlorobenzene	11.104	284	227007	42.521	ng	98
69) Atrazine	11.180	200	182643	45.934	ng	98
70) Pentachlorophenol	11.292	266	219946	75.092	ng	98
71) Phenanthrene	11.516	178	994655	41.656	ng	99
72) Anthracene	11.569	178	1004134	41.818	ng	100
73) Carbazole	11.716	167	889232	41.337	ng	100
74) Di-n-butylphthalate	12.051	149	945553	47.886	ng	100
75) Fluoranthene	12.704	202	914970	42.142	ng	99
77) Benzidine	12.816	184	152530	18.872	ng	99
78) Pyrene	12.933	202	910638	41.371	ng	100
80) Butylbenzylphthalate	13.545	149	215653	48.710	ng	97
81) Benzo(a)anthracene	14.121	228	695070	43.967	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	65861	14.346	ng	100
83) Chrysene	14.157	228	618809	42.501	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	310803	46.699	ng	99
85) Di-n-octyl phthalate	14.727	149	608309	48.177	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	915260	43.399	ng	99
88) Benzo(b)fluoranthene	15.192	252	700576	42.833	ng	99
89) Benzo(k)fluoranthene	15.221	252	711413	45.593	ng	100
90) Benzo(a)pyrene	15.574	252	698480	45.154	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	737065	42.753	ng	99
92) Benzo(g,h,i)perylene	17.645	276	735081	41.822	ng	99

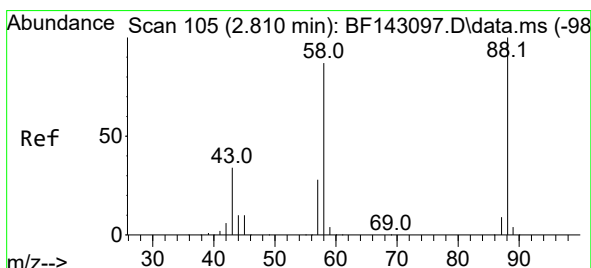
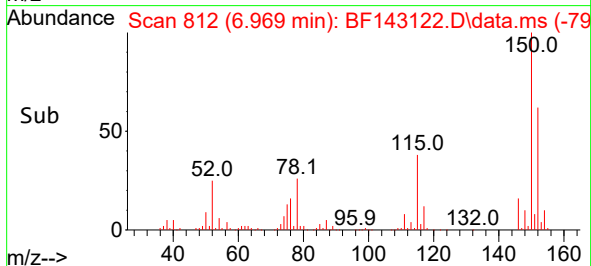
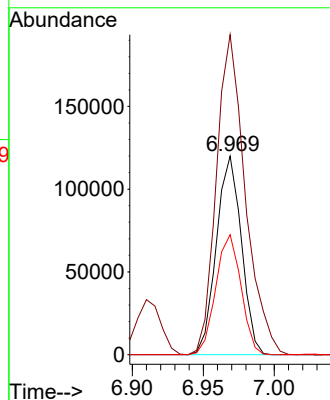
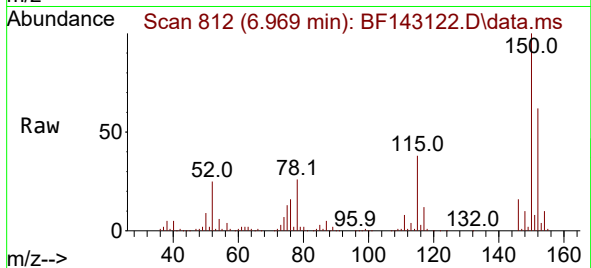
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

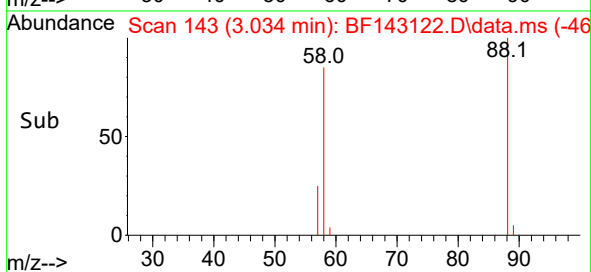
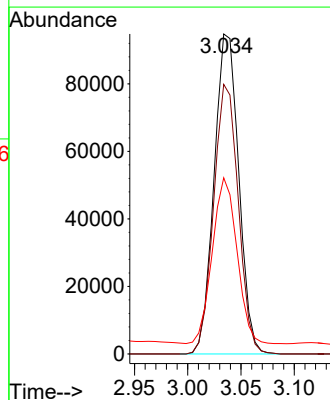
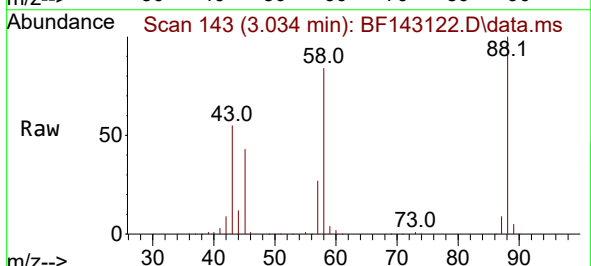
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

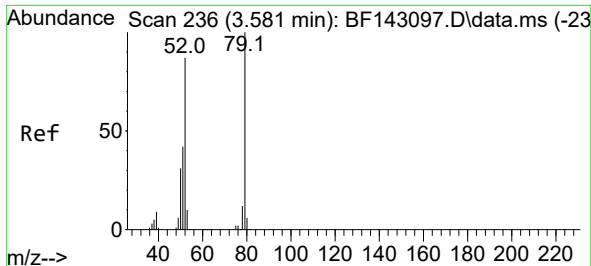
Tgt Ion:152 Resp: 147018
Ion Ratio Lower Upper
152 100
150 161.1 126.5 189.7
115 60.5 47.0 70.6



#2
1,4-Dioxane
Concen: 32.957 ng
RT: 3.034 min Scan# 143
Delta R.T. 0.223 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 88 Resp: 152658
Ion Ratio Lower Upper
88 100
58 84.4 70.5 105.7
43 51.7 27.3 40.9#

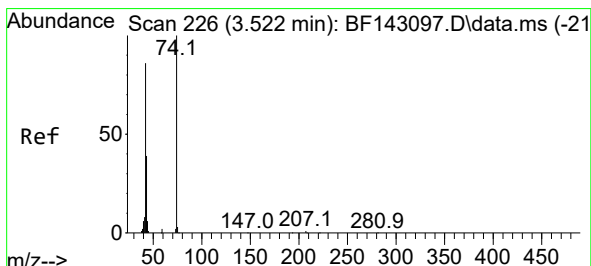
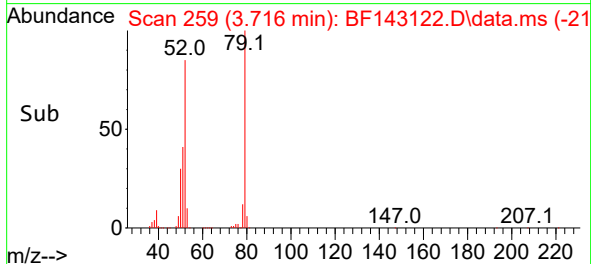
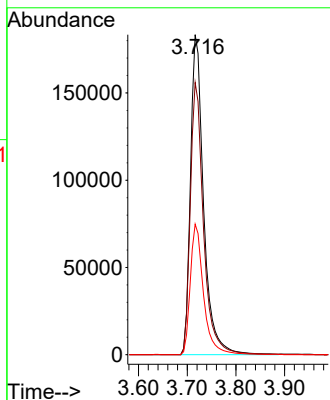
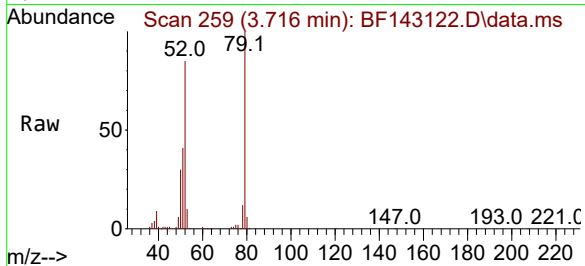




#3
Pyridine
Concen: 29.456 ng
RT: 3.716 min Scan# 21
Delta R.T. 0.135 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

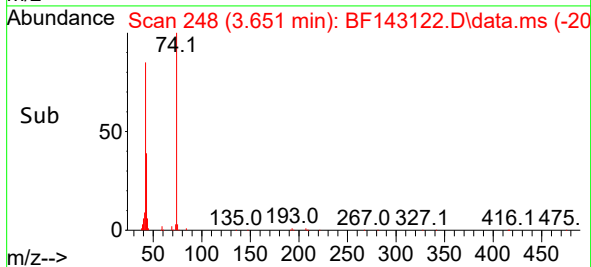
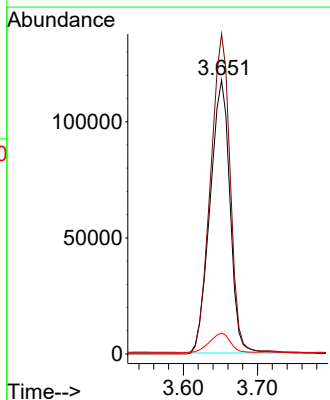
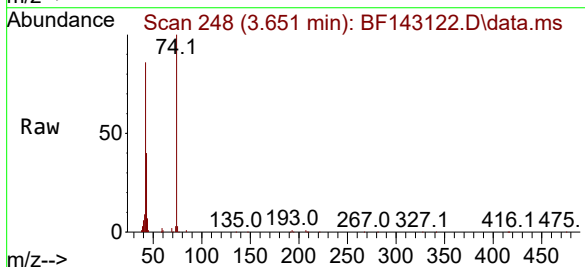
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

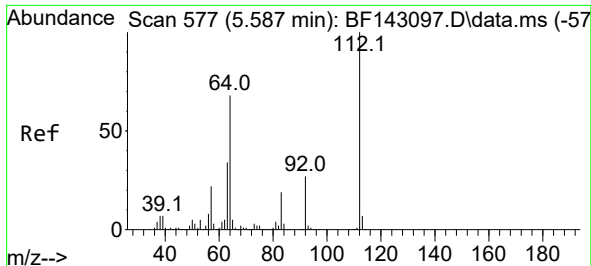
Tgt Ion: 79 Resp: 345508
Ion Ratio Lower Upper
79 100
52 85.0 69.2 103.8
51 40.8 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 36.003 ng
RT: 3.651 min Scan# 248
Delta R.T. 0.129 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 42 Resp: 218794
Ion Ratio Lower Upper
42 100
74 116.9 92.8 139.2
44 7.7 5.8 8.6

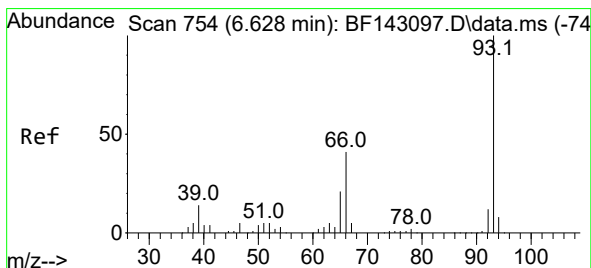
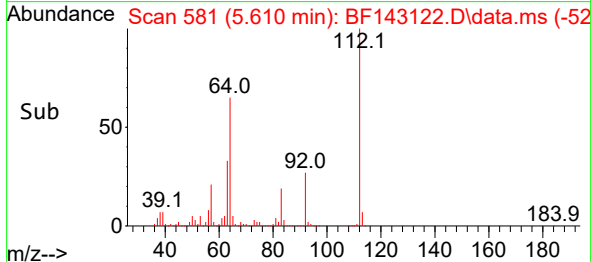
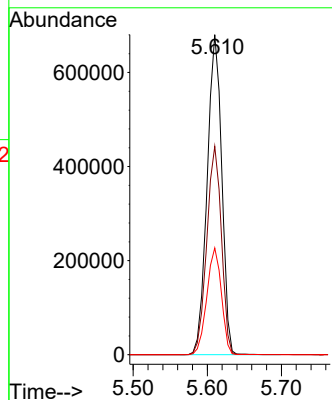
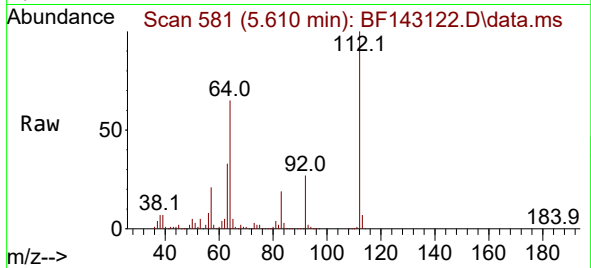




#5
2-Fluorophenol
Concen: 99.920 ng
RT: 5.610 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

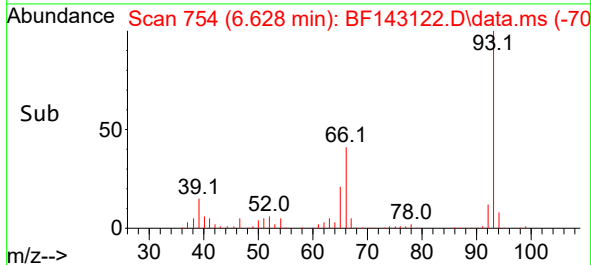
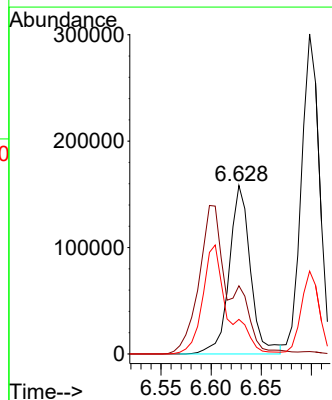
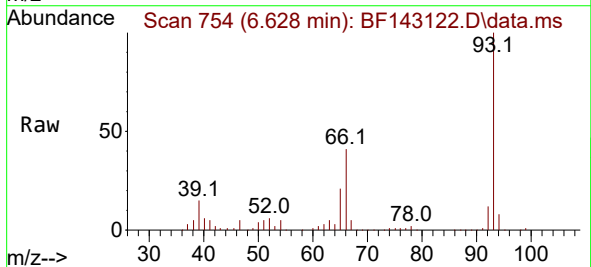
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

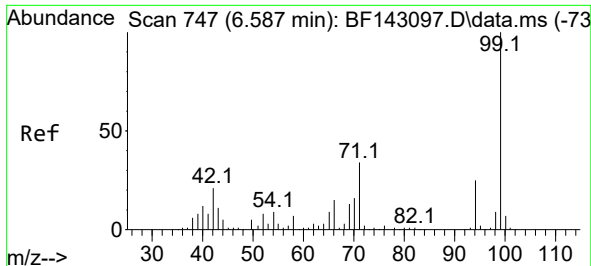
Tgt Ion:112 Resp: 929786
Ion Ratio Lower Upper
112 100
64 65.1 54.6 82.0
63 33.4 27.3 40.9



#6
Aniline
Concen: 14.176 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 93 Resp: 233504
Ion Ratio Lower Upper
93 100
66 40.5 33.1 49.7
65 20.5 16.9 25.3

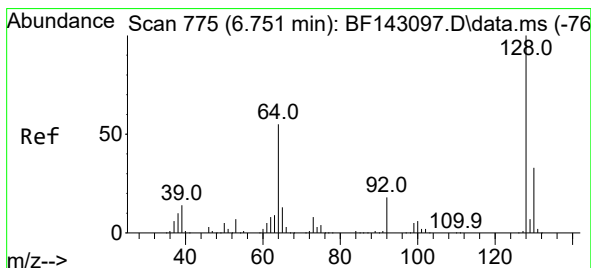
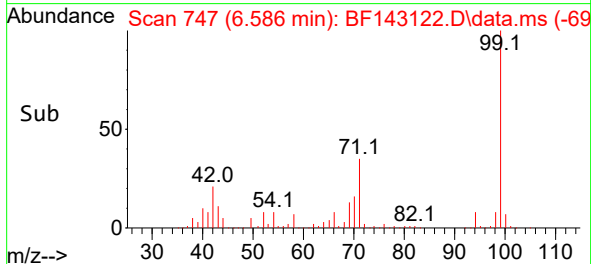
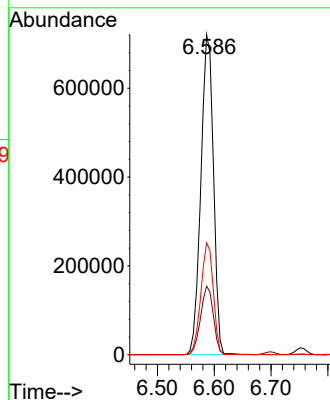
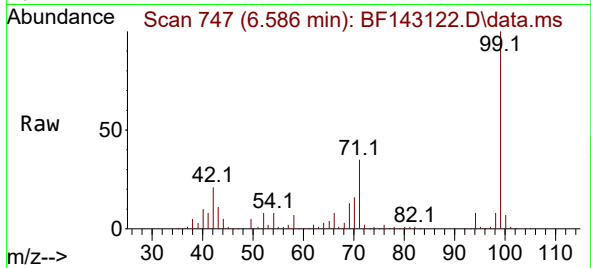




#7
Phenol-d6
Concen: 94.970 ng
RT: 6.586 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

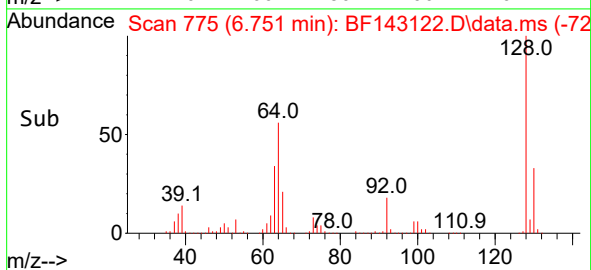
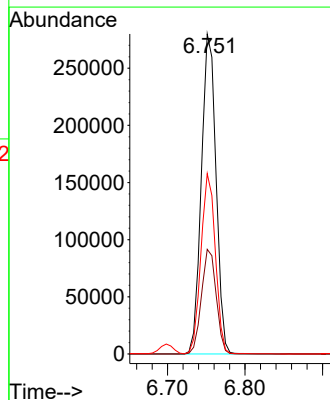
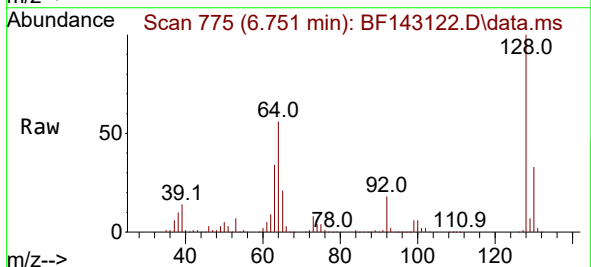
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

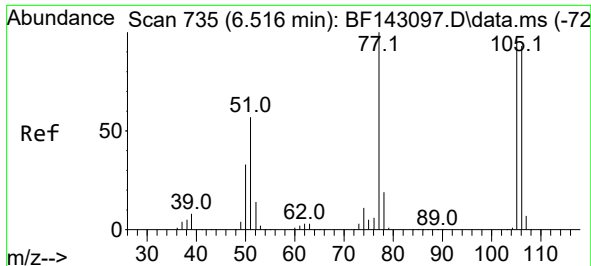
Tgt Ion: 99 Resp: 1110845
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 35.0 27.4 41.0



#8
2-Chlorophenol
Concen: 39.339 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 128 Resp: 367790
Ion Ratio Lower Upper
128 100
130 32.7 12.8 52.8
64 56.3 36.1 76.1





#9

Benzaldehyde

Concen: 20.714 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143122.D

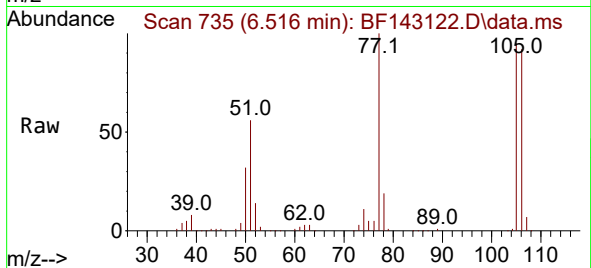
Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS



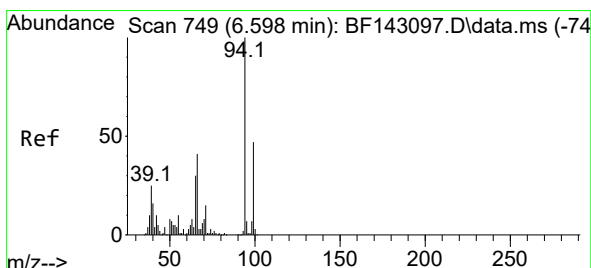
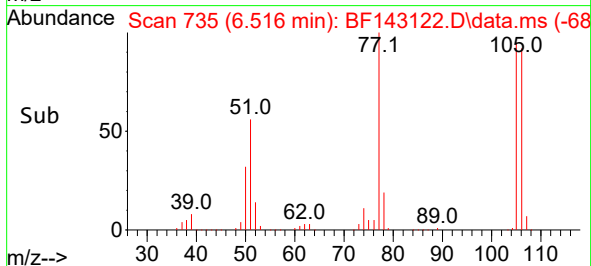
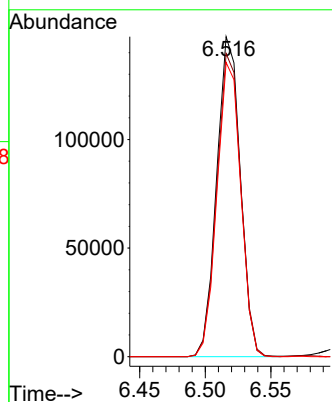
Tgt Ion: 77 Resp: 184618

Ion Ratio Lower Upper

77 100

105 94.7 76.3 116.3

106 92.0 72.8 112.8



#10

Phenol

Concen: 35.338 ng

RT: 6.604 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

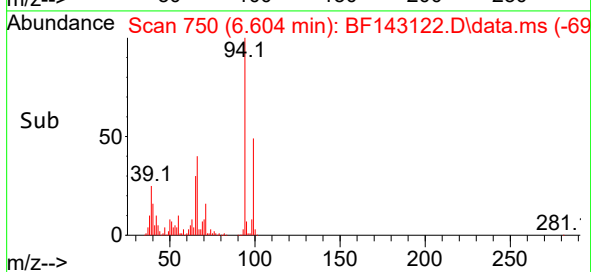
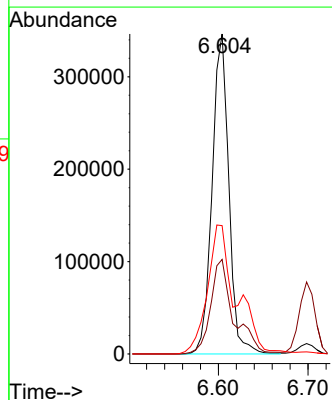
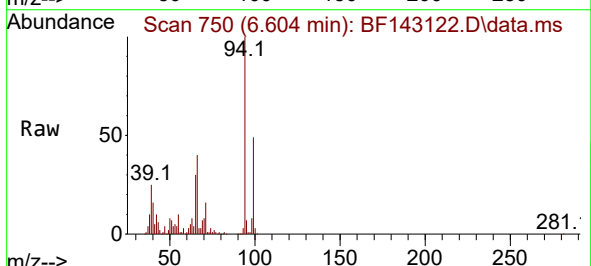
Tgt Ion: 94 Resp: 447469

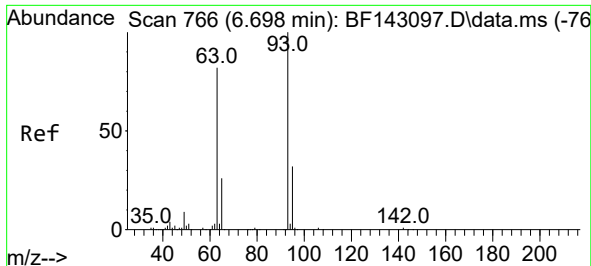
Ion Ratio Lower Upper

94 100

65 29.6 9.8 49.8

66 40.1 20.5 60.5

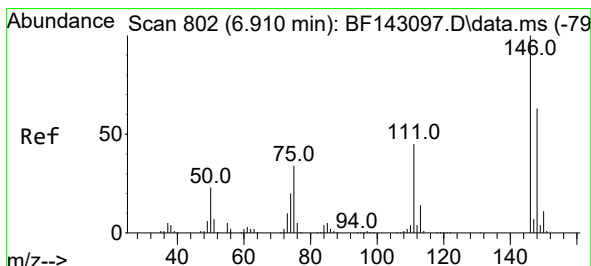
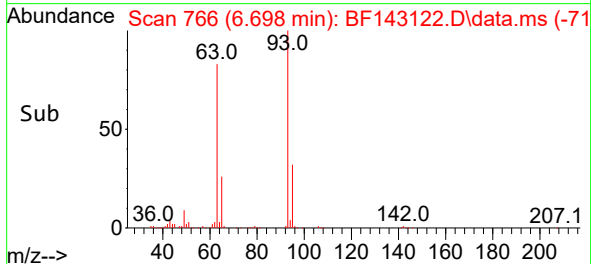
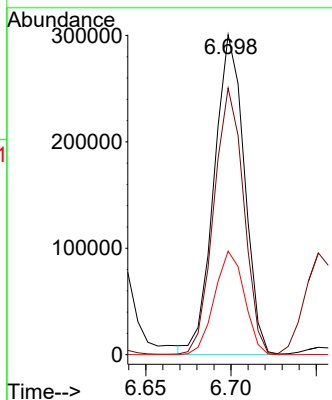
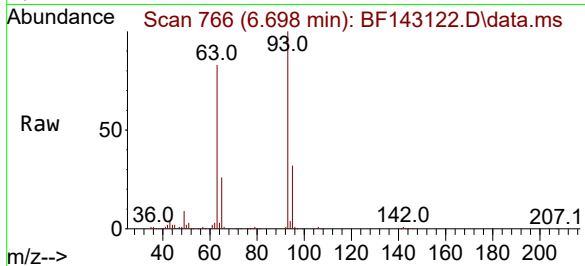




#11
bis(2-Chloroethyl)ether
Concen: 37.937 ng
RT: 6.698 min Scan# 766
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

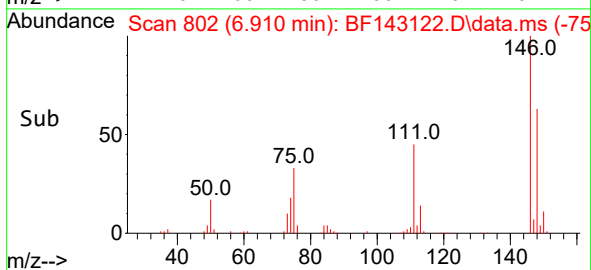
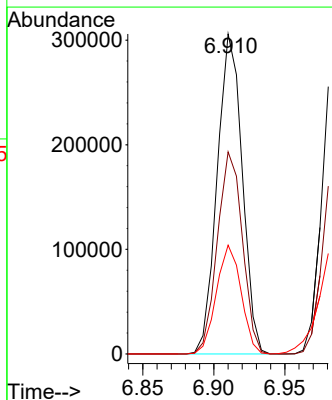
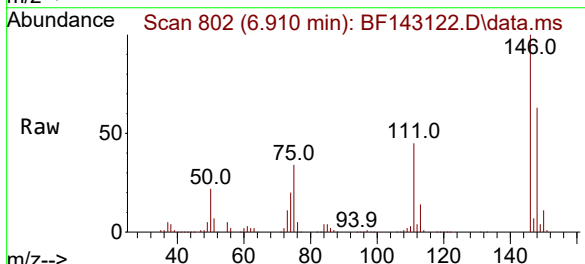
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

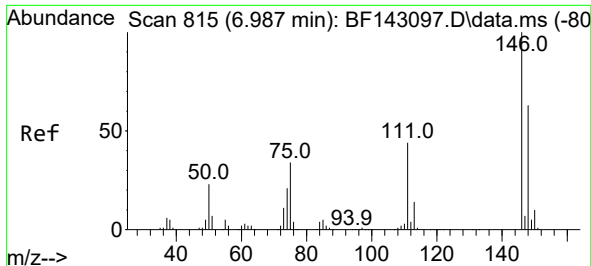
Tgt Ion: 93	Resp: 371882
Ion Ratio	Lower Upper
93 100	
63 83.4	61.9 101.9
95 32.4	12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 35.480 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:146	Resp: 374742		
Ion Ratio	Lower	Upper	
146 100			
148 63.2	50.1	75.1	
75 34.0	27.4	41.0	





#13

1,4-Dichlorobenzene

Concen: 35.686 ng

RT: 6.986 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

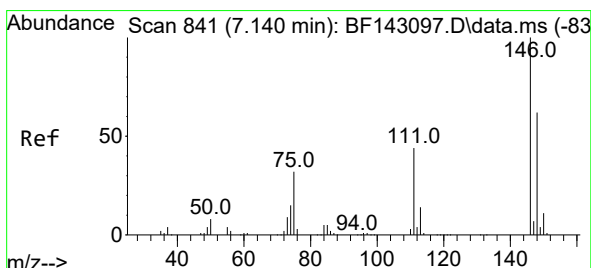
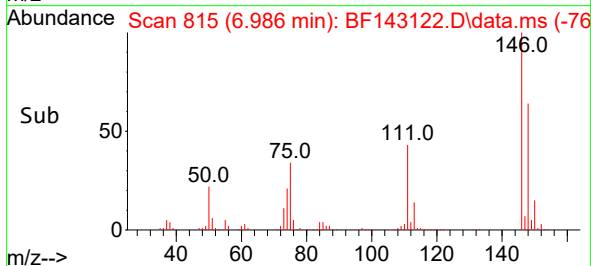
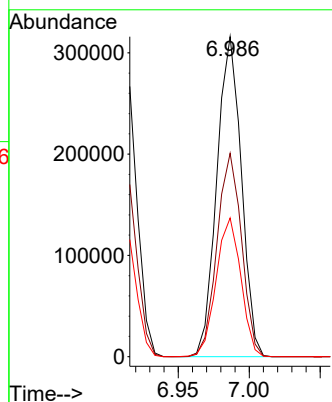
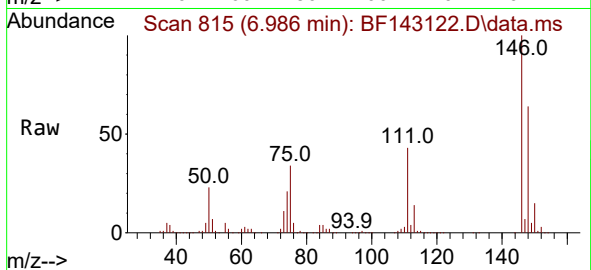
Tgt Ion:146 Resp: 379205

Ion Ratio Lower Upper

146 100

148 63.6 50.6 76.0

111 43.3 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 36.258 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

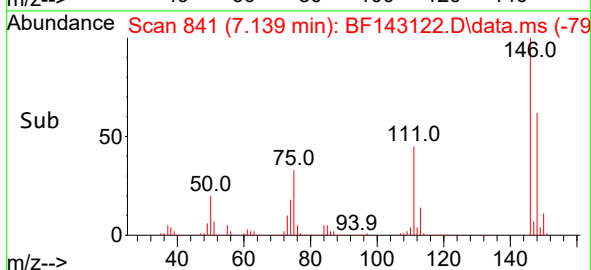
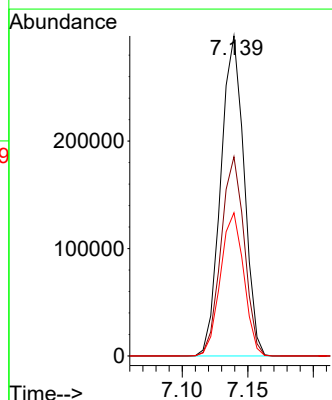
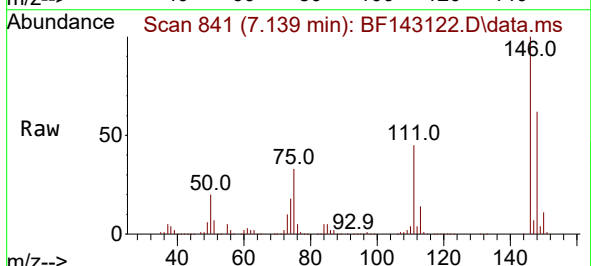
Tgt Ion:146 Resp: 367410

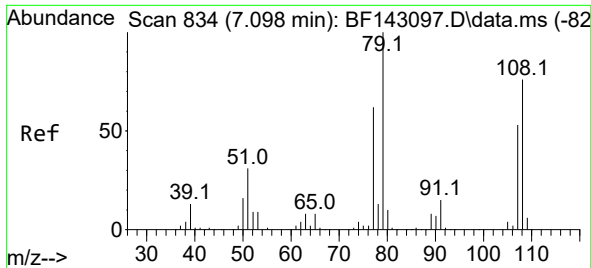
Ion Ratio Lower Upper

146 100

148 62.2 49.8 74.6

111 44.7 35.4 53.0

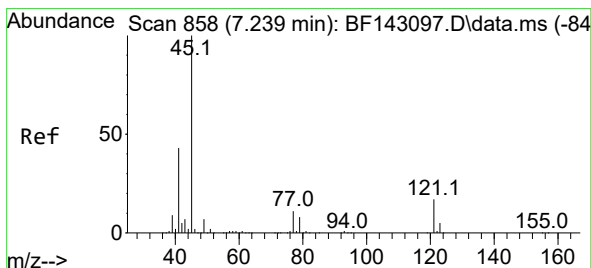
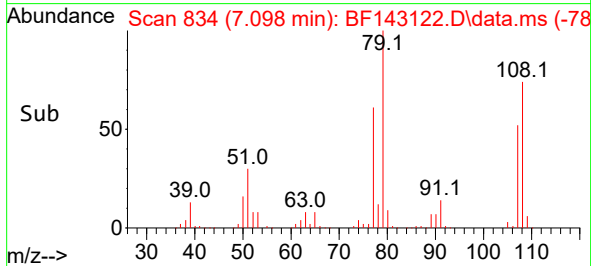
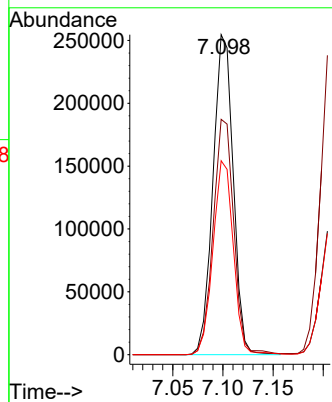
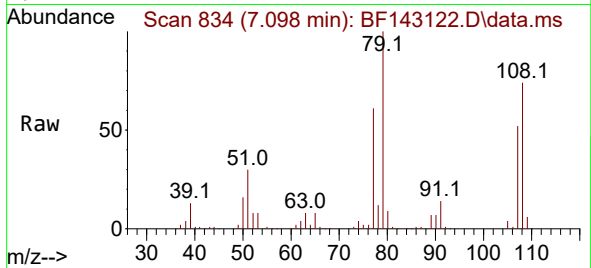




#15
Benzyl Alcohol
Concen: 41.191 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

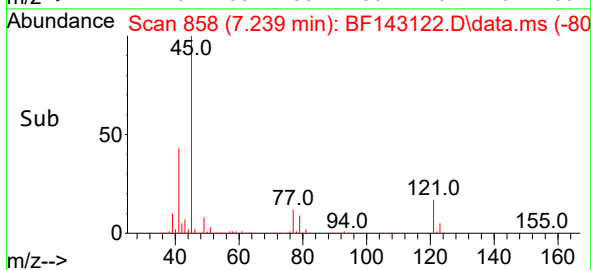
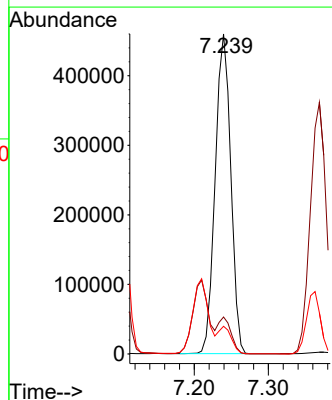
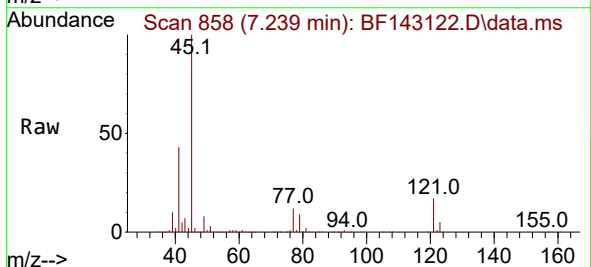
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

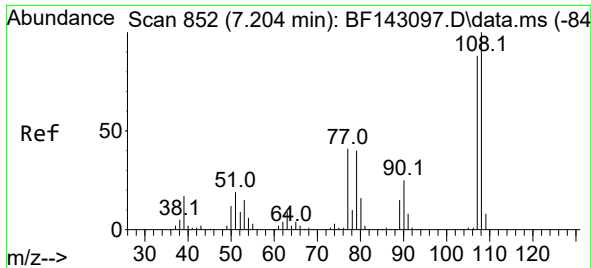
Tgt Ion: 79 Resp: 356998
Ion Ratio Lower Upper
79 100
108 73.5 61.1 91.7
77 60.6 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.031 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 45 Resp: 669145
Ion Ratio Lower Upper
45 100
77 11.6 0.0 31.1
79 8.6 0.0 28.4



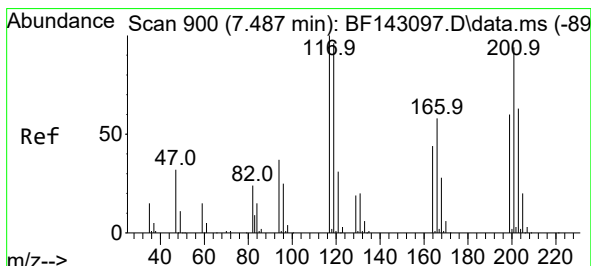
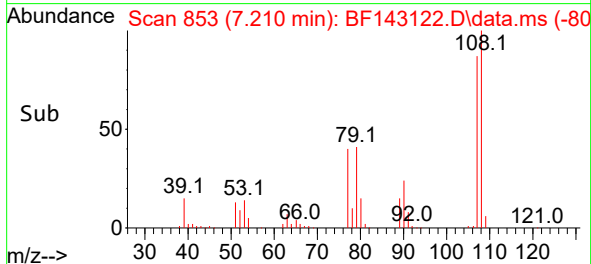
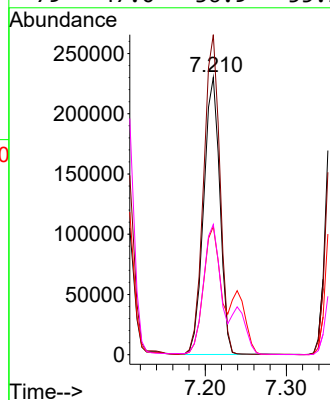
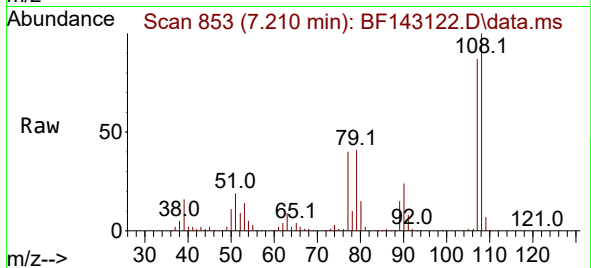


#17
2-Methylphenol
Concen: 39.442 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

Tgt Ion:107 Resp: 318220

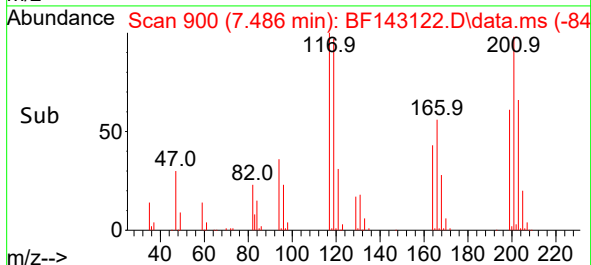
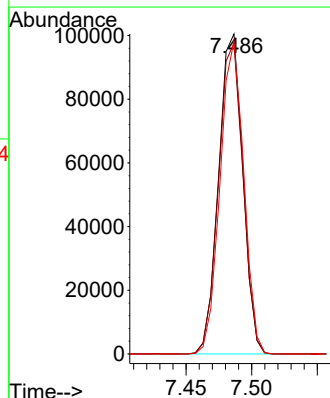
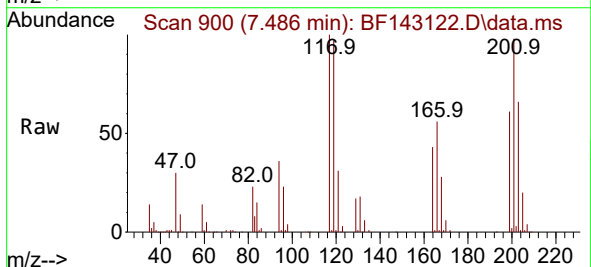
Ion	Ratio	Lower	Upper
107	100		
108	115.4	90.9	136.3
77	46.2	37.5	56.3
79	47.0	36.9	55.3

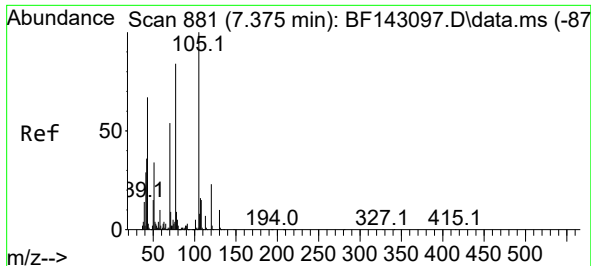


#18
Hexachloroethane
Concen: 37.286 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:117 Resp: 128982

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.7	115.1
201	97.7	75.0	112.4

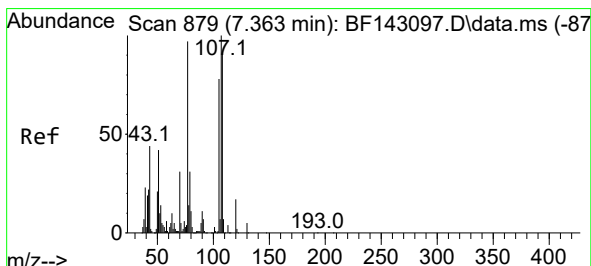
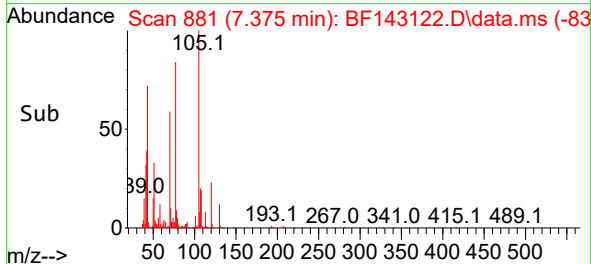
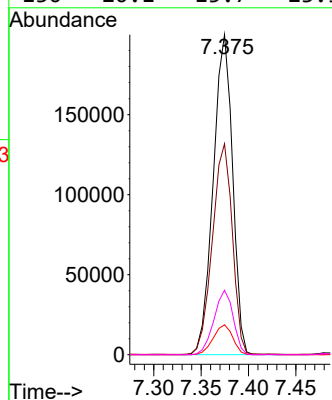
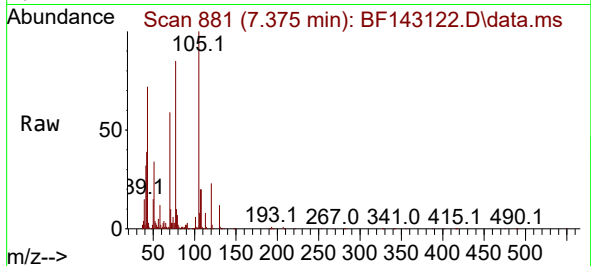




#19
n-Nitroso-di-n-propylamine
Concen: 39.690 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

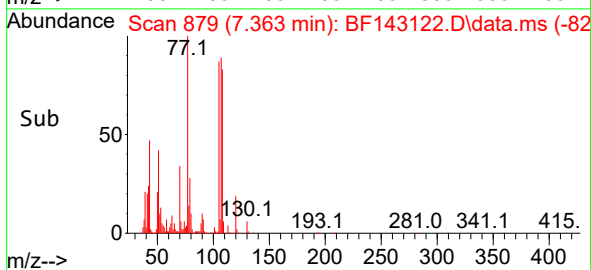
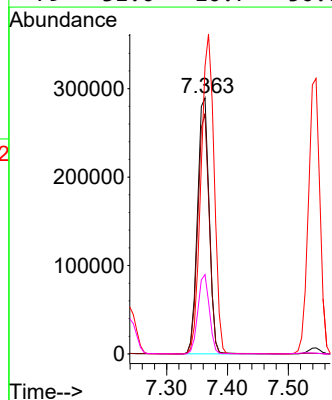
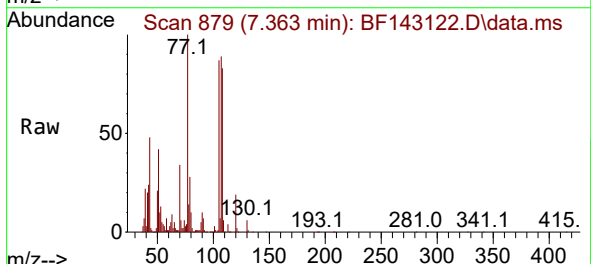
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

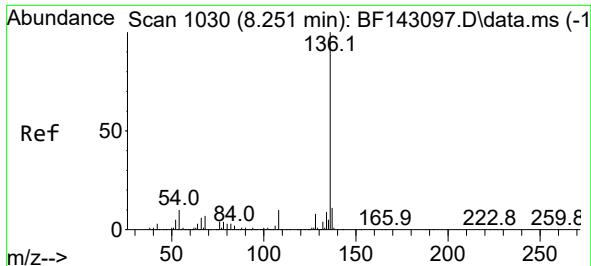
Tgt Ion:	70	Resp:	284422
Ion	Ratio	Lower	Upper
70	100		
42	65.9	53.2	79.8
101	9.4	7.5	11.3
130	20.1	15.7	23.5



#20
3+4-Methylphenols
Concen: 38.905 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:	107	Resp:	384937
Ion	Ratio	Lower	Upper
107	100		
108	93.7	71.3	111.3
77	112.3	77.2	117.2
79	31.0	10.7	50.7

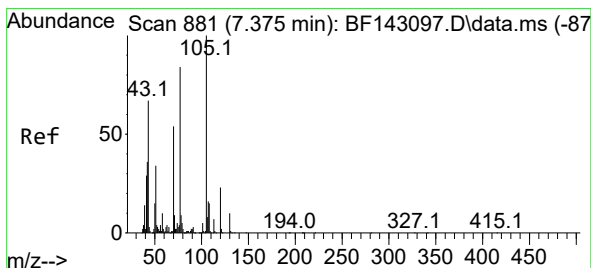
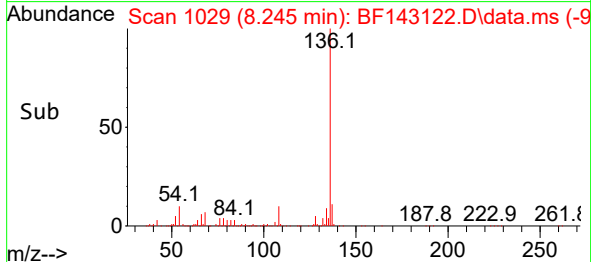
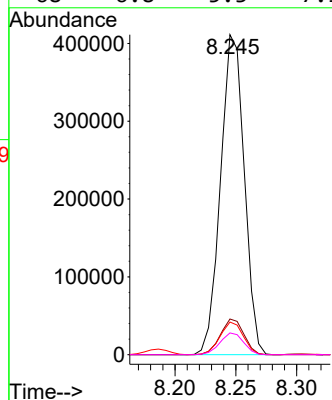
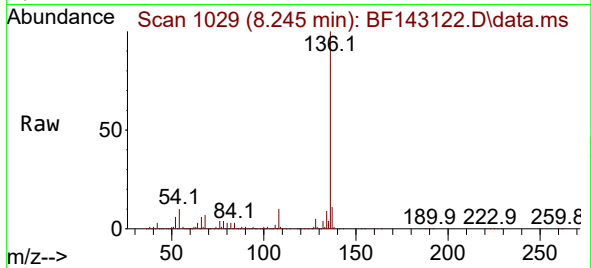




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

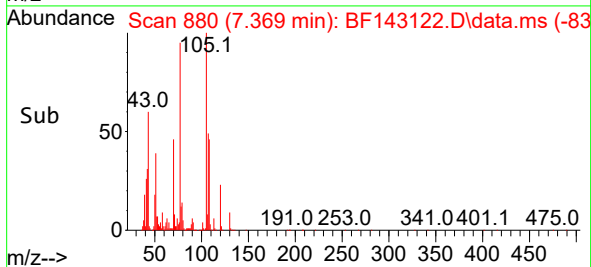
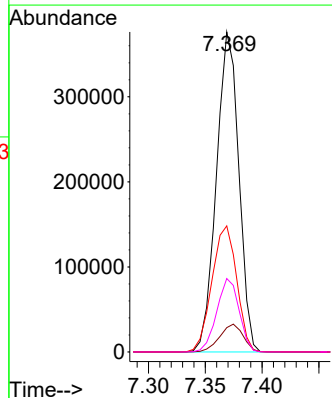
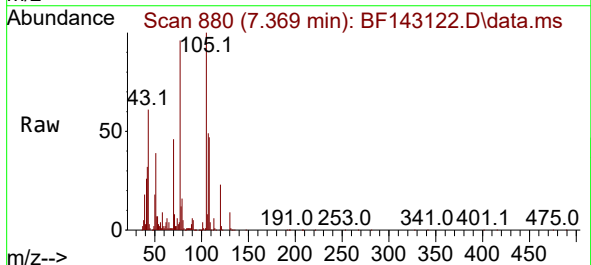
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

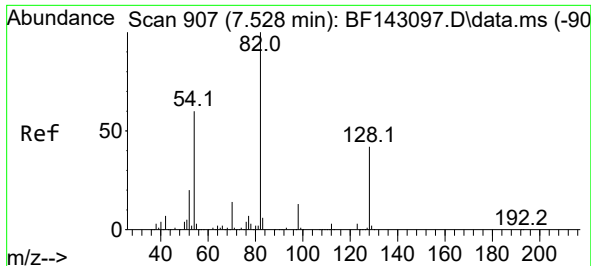
Tgt	Ion:136	Resp:	556657
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.2	8.3	12.5
68	6.8	5.3	7.9



#22
Acetophenone
Concen: 38.531 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt	Ion:105	Resp:	517043
Ion	Ratio	Lower	Upper
105	100		
71	7.6	7.2	10.8
51	39.4	27.0	40.4
120	22.9	18.2	27.2

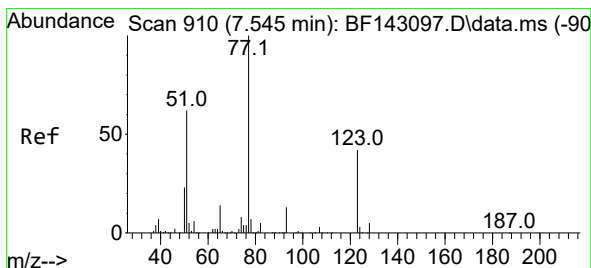
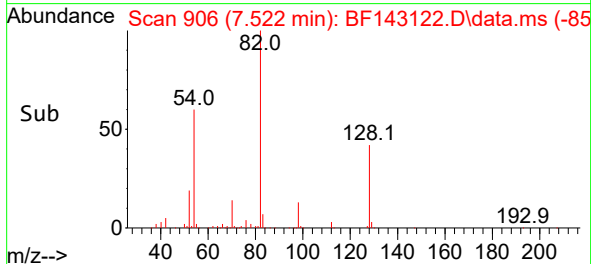
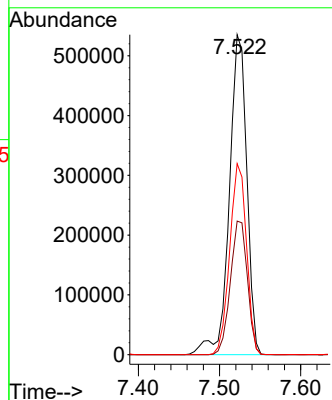
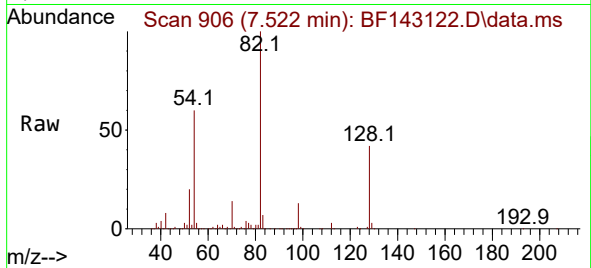




#23
Nitrobenzene-d5
Concen: 80.558 ng
RT: 7.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

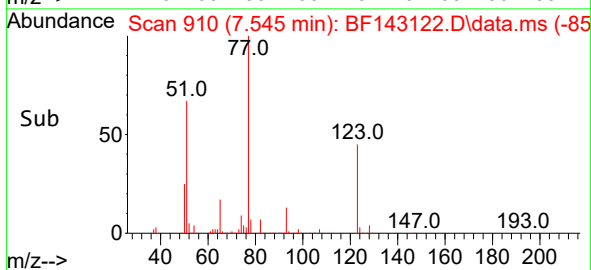
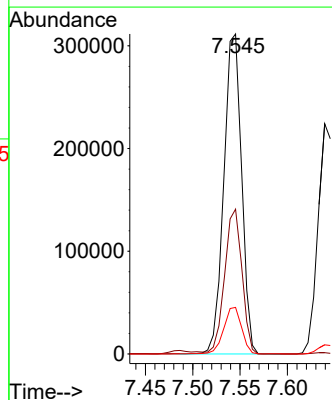
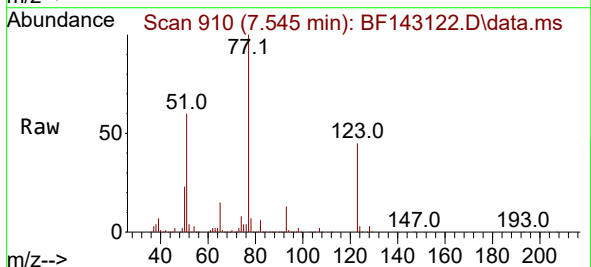
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

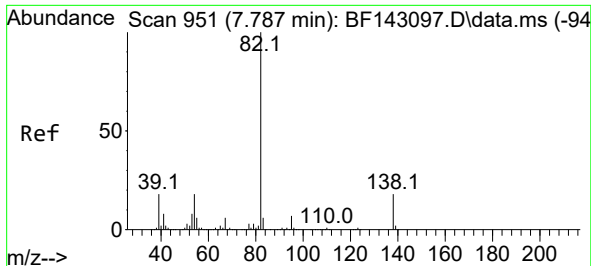
Tgt Ion: 82 Resp: 799375
Ion Ratio Lower Upper
82 100
128 41.8 33.3 49.9
54 59.7 47.4 71.2



#24
Nitrobenzene
Concen: 42.599 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 77 Resp: 408070
Ion Ratio Lower Upper
77 100
123 45.3 34.5 51.7
65 14.5 11.3 16.9

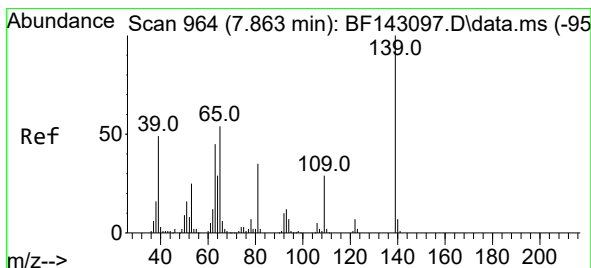
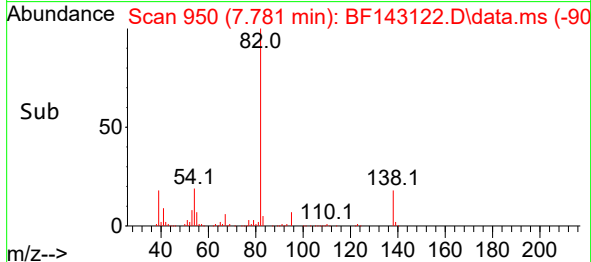
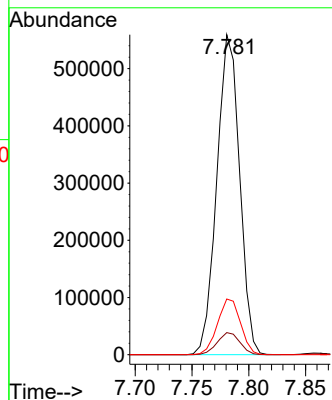
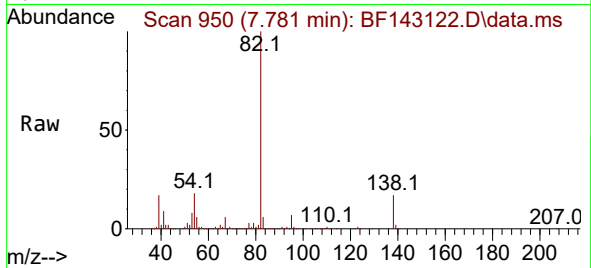




#25
Isophorone
Concen: 40.742 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

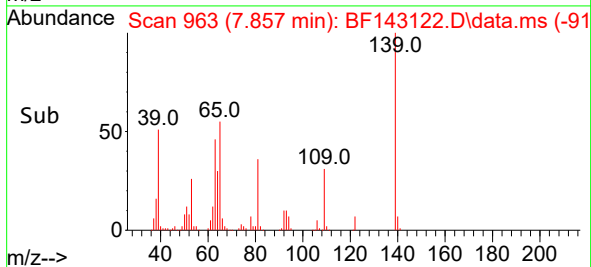
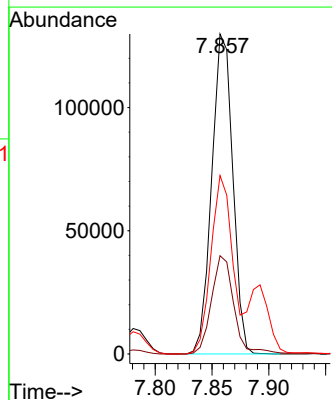
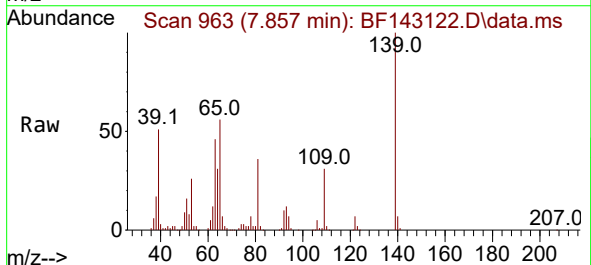
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

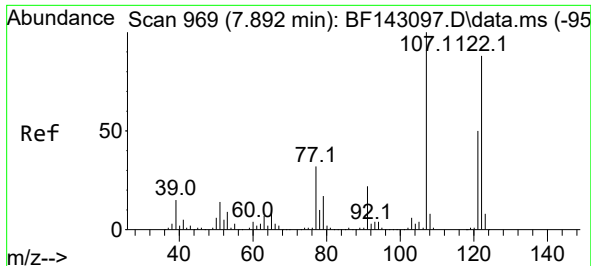
Tgt Ion: 82 Resp: 781406
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 17.4 14.3 21.5



#26
2-Nitrophenol
Concen: 44.075 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:139 Resp: 167379
Ion Ratio Lower Upper
139 100
109 30.7 23.4 35.0
65 55.8 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 41.098 ng

RT: 7.892 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

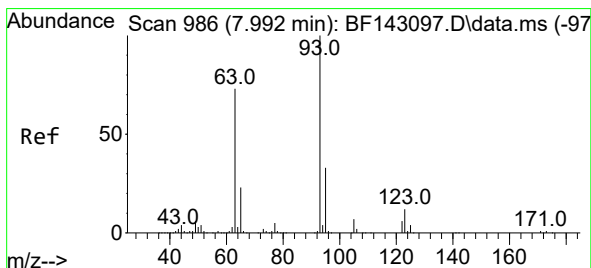
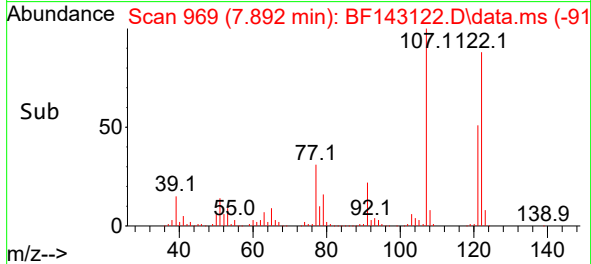
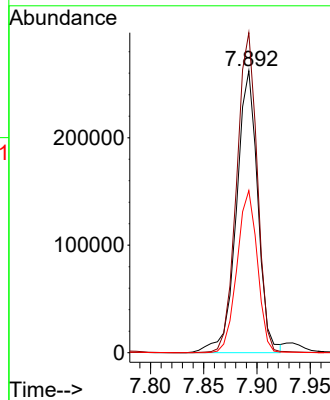
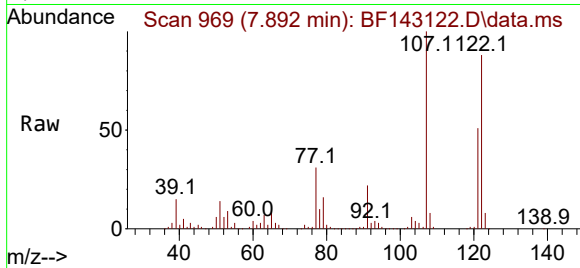
Tgt Ion:122 Resp: 365844

Ion Ratio Lower Upper

122 100

107 113.5 91.3 136.9

121 57.5 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 40.866 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

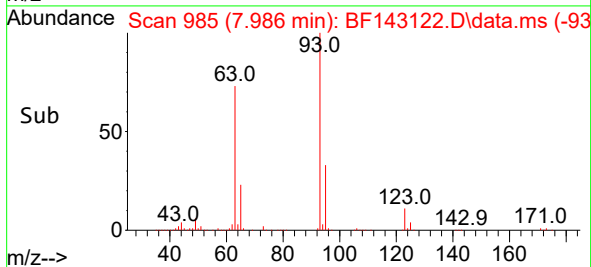
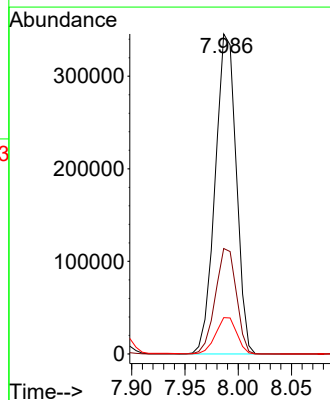
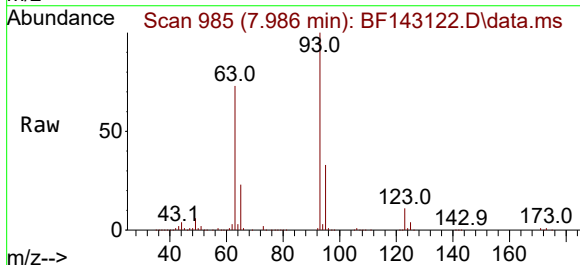
Tgt Ion: 93 Resp: 475295

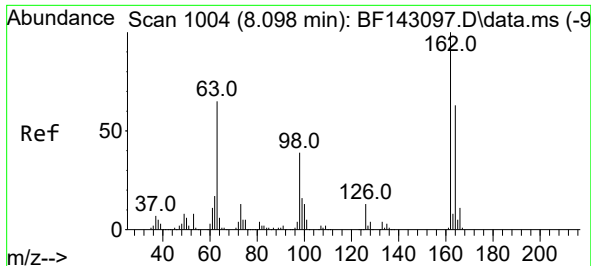
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.4

123 11.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 42.554 ng

RT: 8.098 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

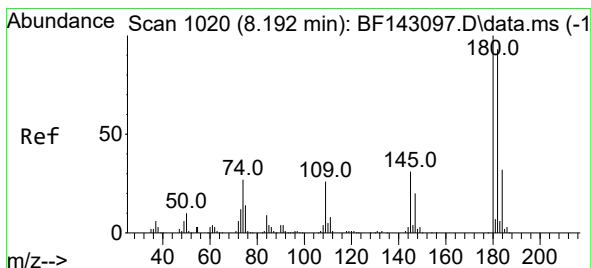
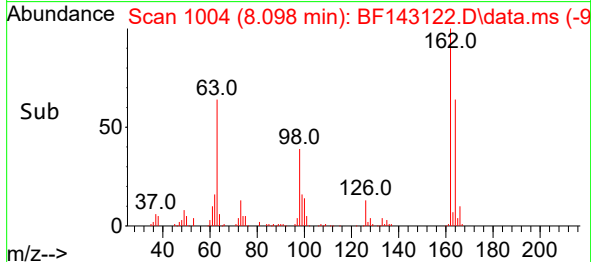
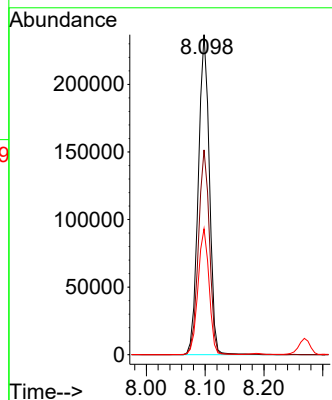
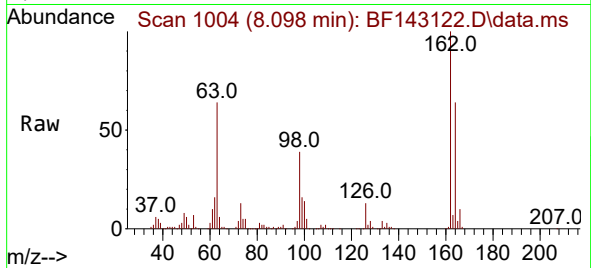
Tgt Ion:162 Resp: 309908

Ion Ratio Lower Upper

162 100

164 64.0 43.1 83.1

98 39.4 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 38.578 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

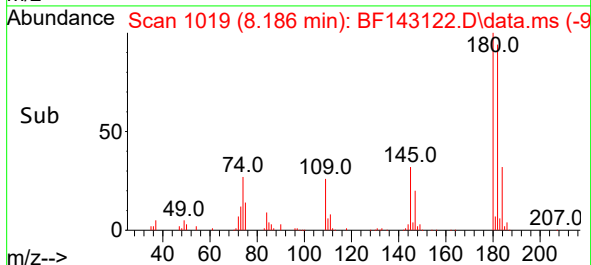
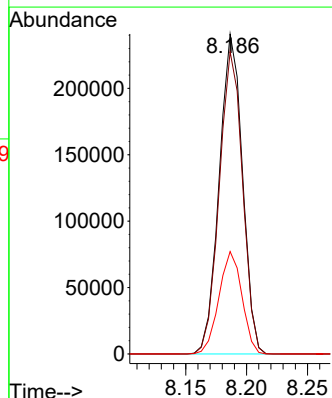
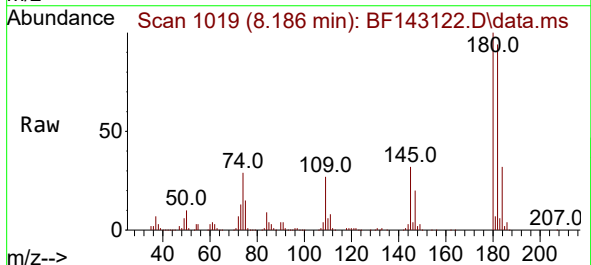
Tgt Ion:180 Resp: 318849

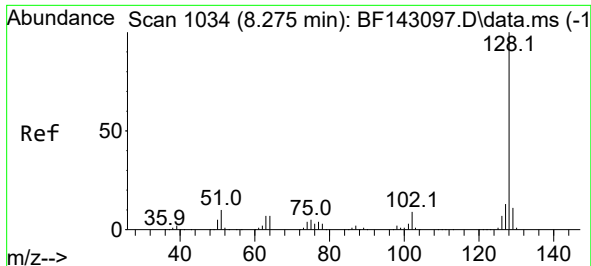
Ion Ratio Lower Upper

180 100

182 94.5 74.7 112.1

145 32.0 24.5 36.7

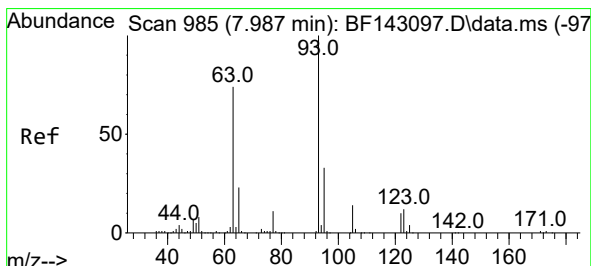
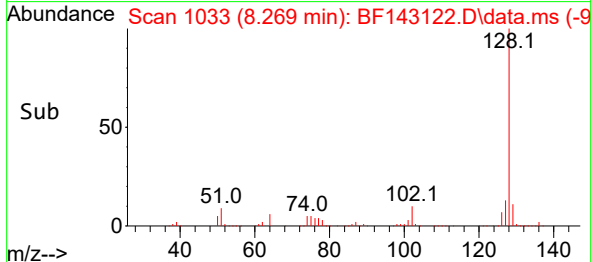
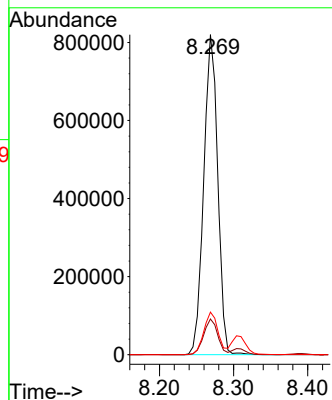
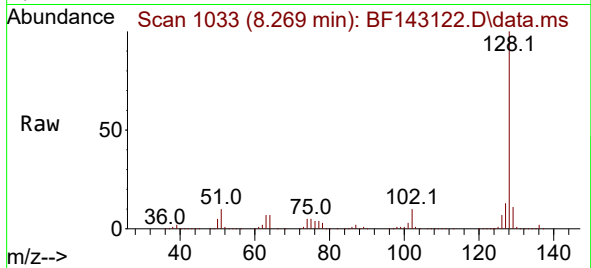




#31
Naphthalene
Concen: 38.875 ng
RT: 8.269 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

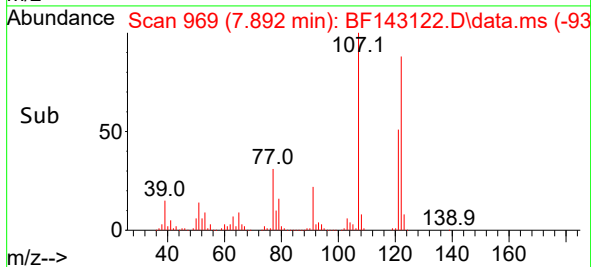
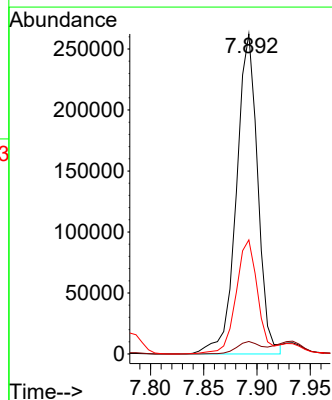
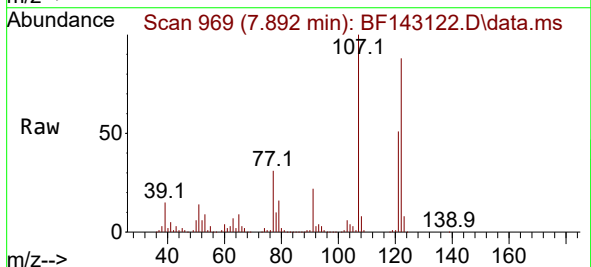
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

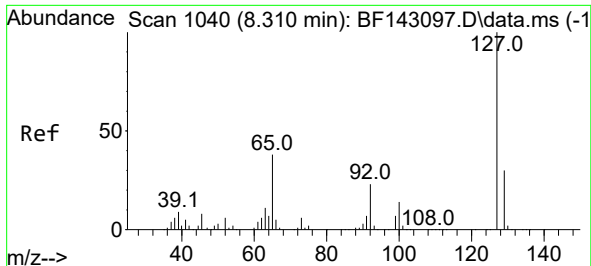
Tgt Ion:128 Resp: 1074621
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.3 10.5 15.7



#32
Benzoic acid
Concen: 77.796 ng
RT: 7.892 min Scan# 969
Delta R.T. -0.095 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:122 Resp: 365844
Ion Ratio Lower Upper
122 100
105 3.9 105.4 145.4#
77 35.7 78.6 118.6#

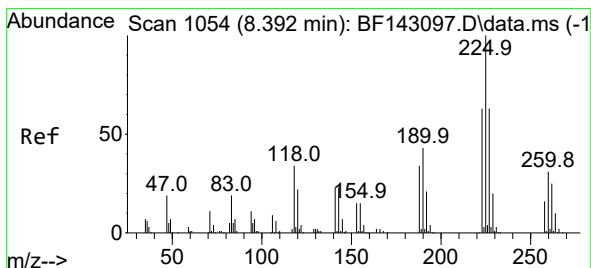
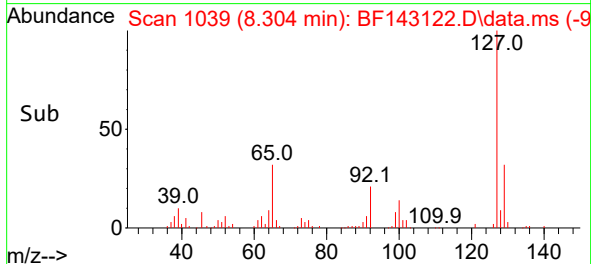
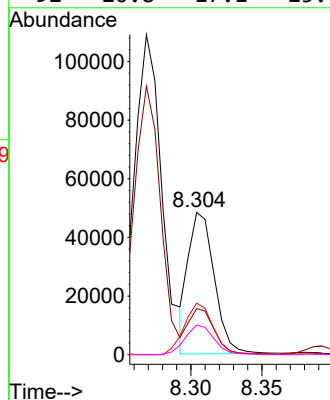
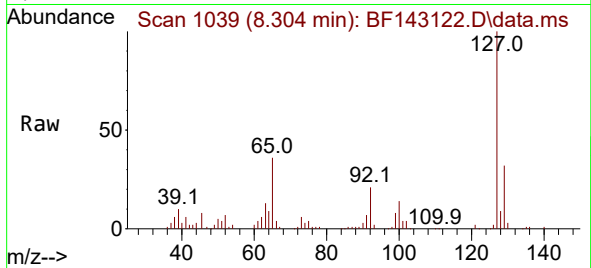




#33
4-Chloroaniline
Concen: 5.517 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

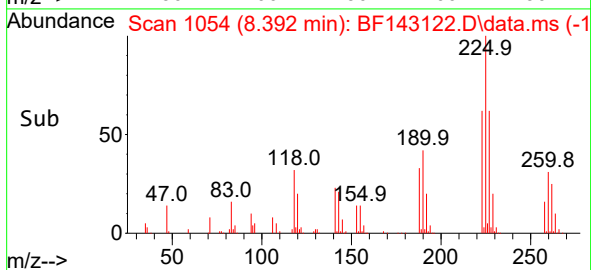
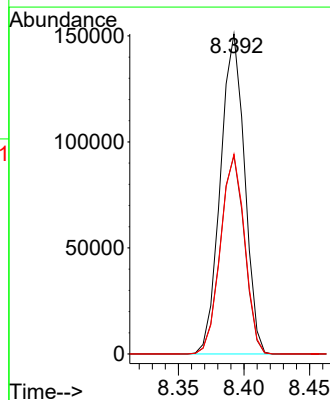
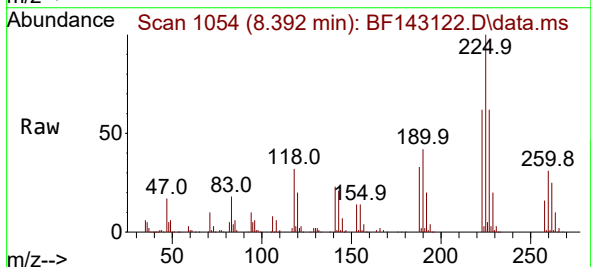
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

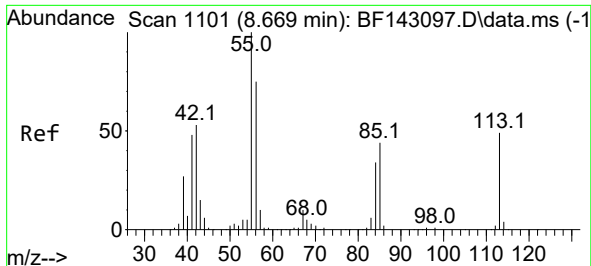
Tgt Ion:127	Resp:	61328
Ion Ratio	Lower	Upper
127	100	
129	32.4	26.2 39.4
65	36.3	28.6 42.8
92	20.8	17.1 25.7



#34
Hexachlorobutadiene
Concen: 39.039 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:225	Resp:	192967
Ion Ratio	Lower	Upper
225	100	
223	61.9	50.3 75.5
227	62.4	50.1 75.1

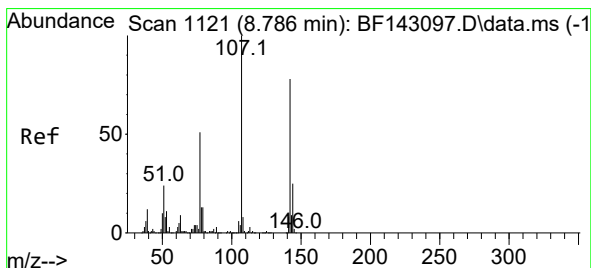
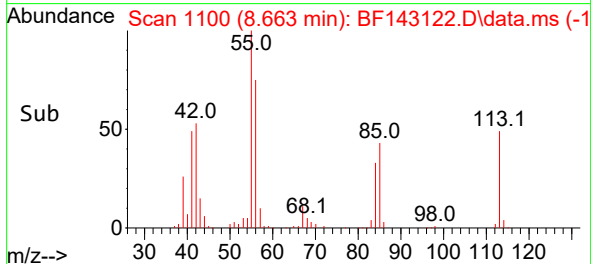
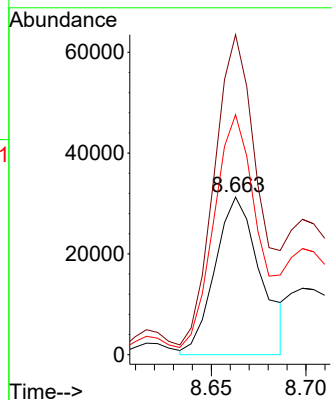
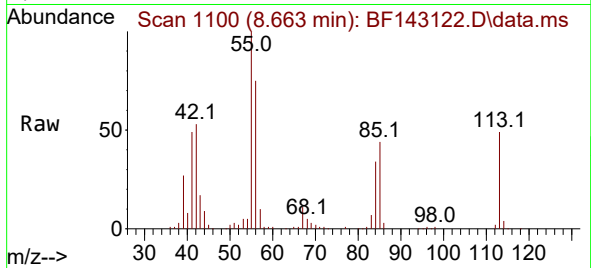




#35
 Caprolactam
 Concen: 22.930 ng
 RT: 8.663 min Scan# 1100
 Delta R.T. -0.006 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

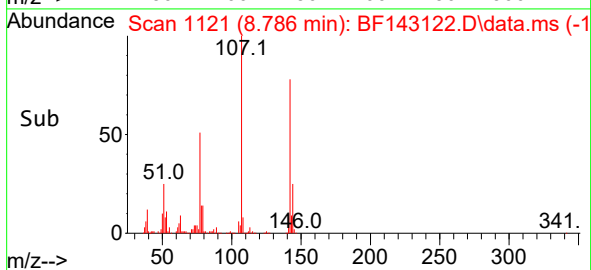
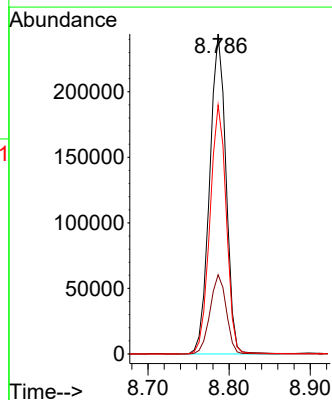
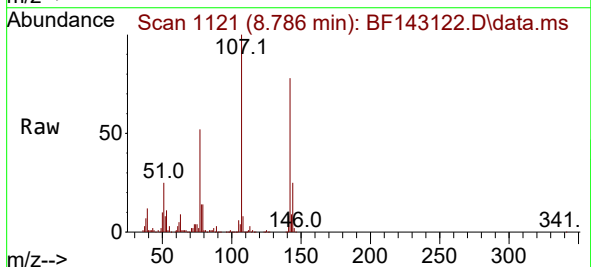
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS

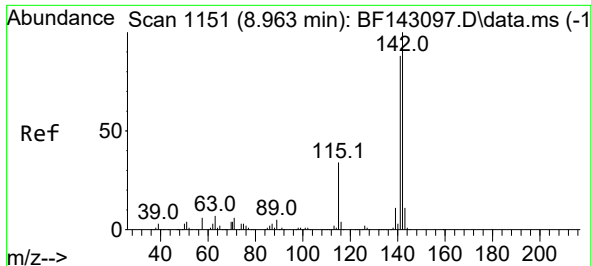
Tgt Ion:113 Resp: 52146
 Ion Ratio Lower Upper
 113 100
 55 203.1 186.2 226.2
 56 152.3 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 42.002 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

Tgt Ion:107 Resp: 340734
 Ion Ratio Lower Upper
 107 100
 144 24.7 20.2 30.2
 142 77.8 62.4 93.6

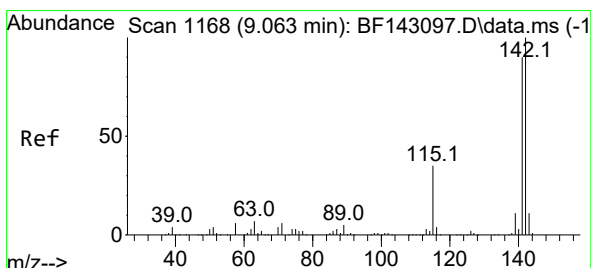
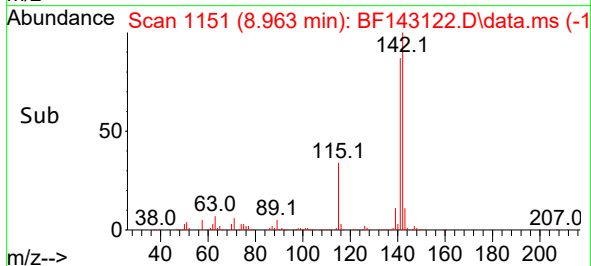
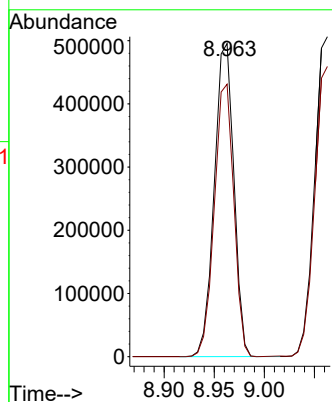
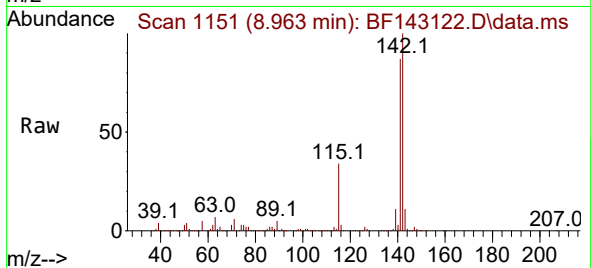




#37
2-Methylnaphthalene
Concen: 40.718 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

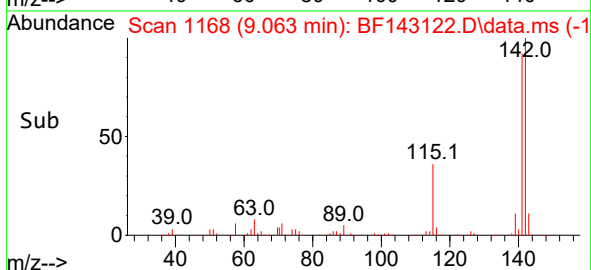
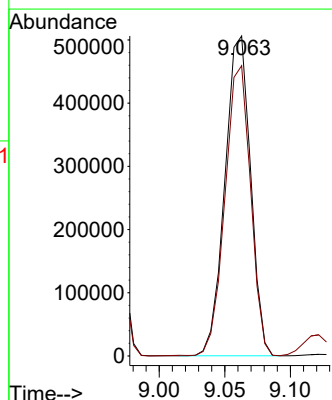
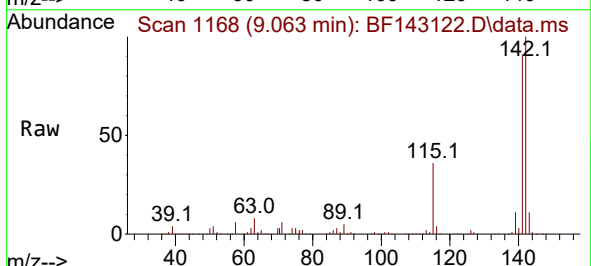
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

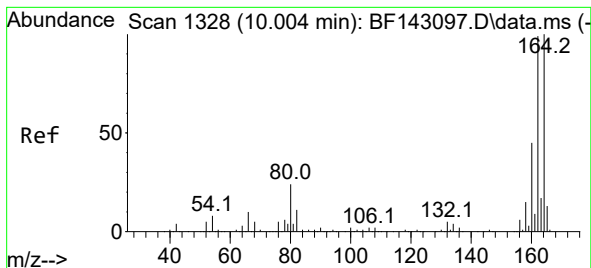
Tgt Ion:142 Resp: 671479
Ion Ratio Lower Upper
142 100
141 87.0 70.2 105.2



#38
1-Methylnaphthalene
Concen: 40.277 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:142 Resp: 688897
Ion Ratio Lower Upper
142 100
141 90.7 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

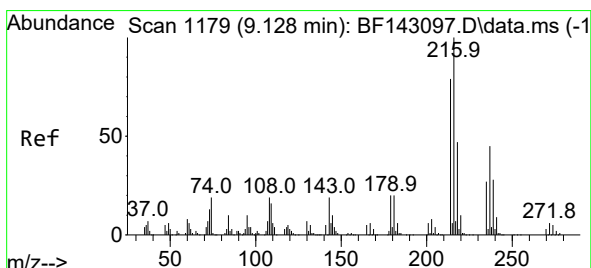
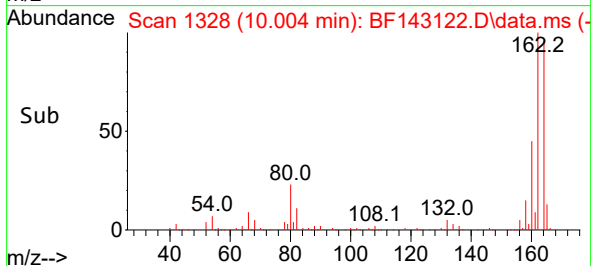
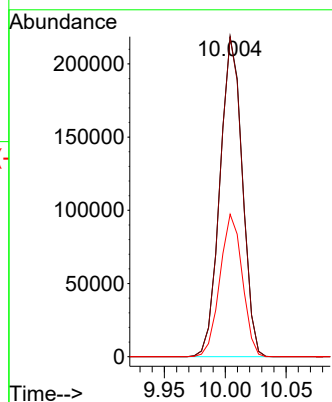
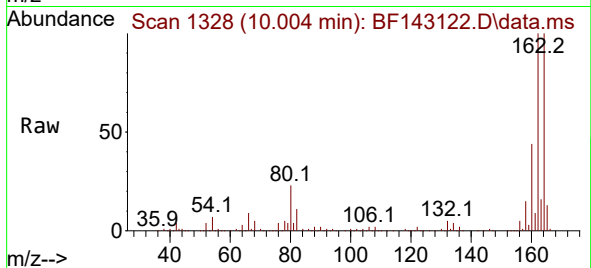
Tgt Ion:164 Resp: 279575

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

160 44.5 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.048 ng

RT: 9.127 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Tgt Ion:216 Resp: 318144

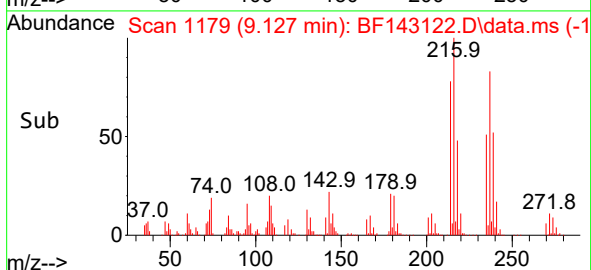
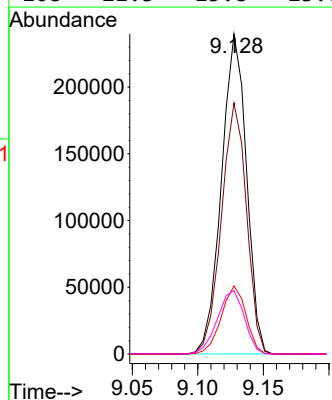
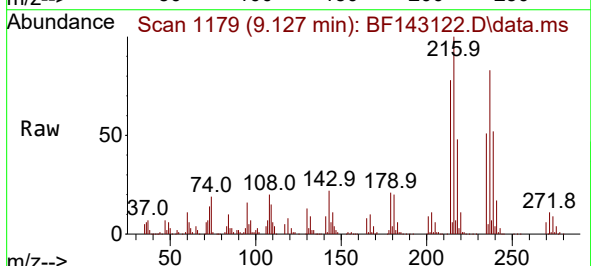
Ion Ratio Lower Upper

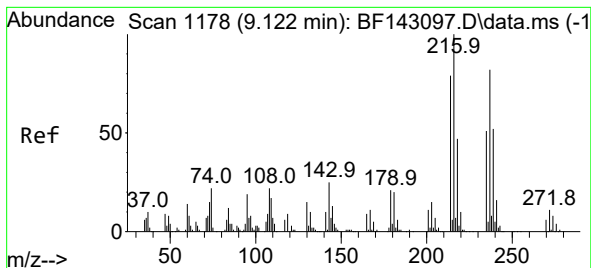
216 100

214 78.4 62.6 94.0

179 21.0 16.2 24.2

108 21.3 15.8 23.6





#41

Hexachlorocyclopentadiene

Concen: 79.110 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

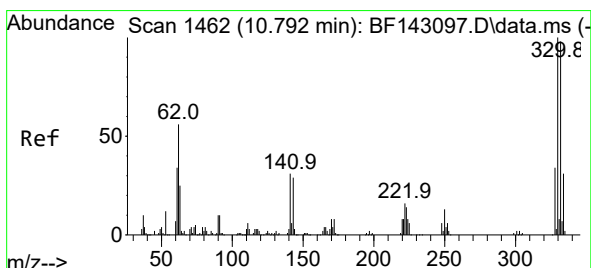
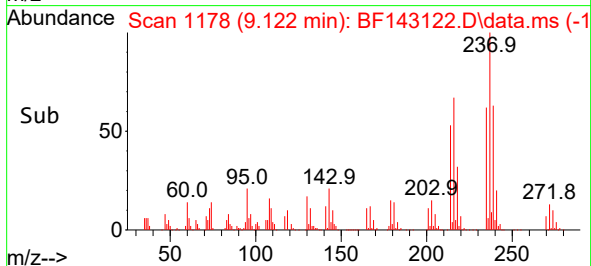
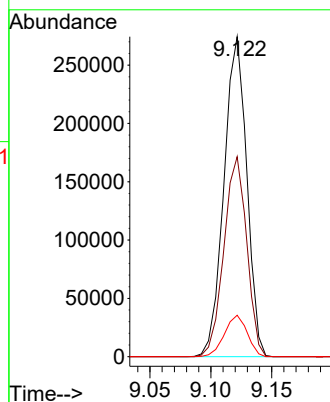
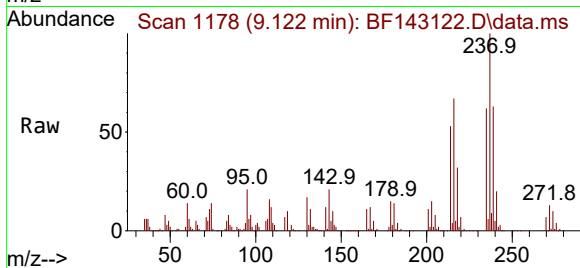
Tgt Ion:237 Resp: 357351

Ion Ratio Lower Upper

237 100

235 62.5 41.6 81.6

272 13.0 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 126.298 ng

RT: 10.792 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

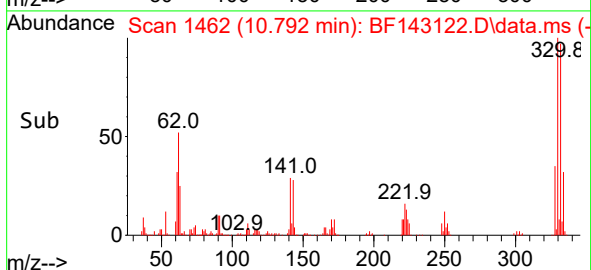
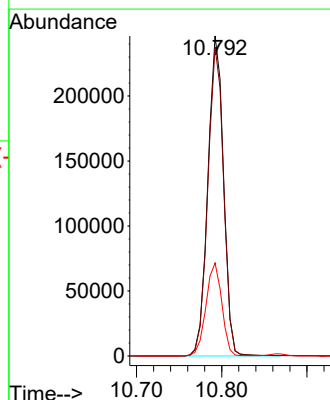
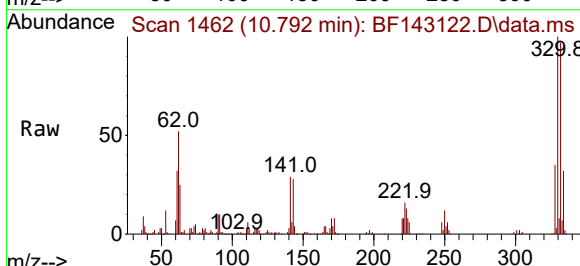
Tgt Ion:330 Resp: 314839

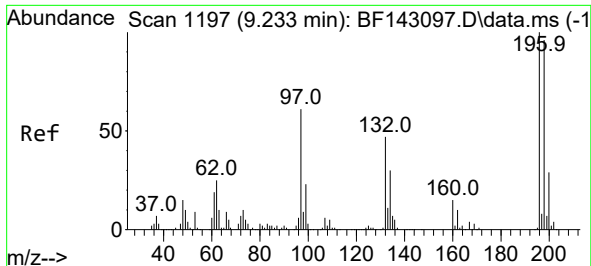
Ion Ratio Lower Upper

330 100

332 97.0 77.9 116.9

141 29.4 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 43.874 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

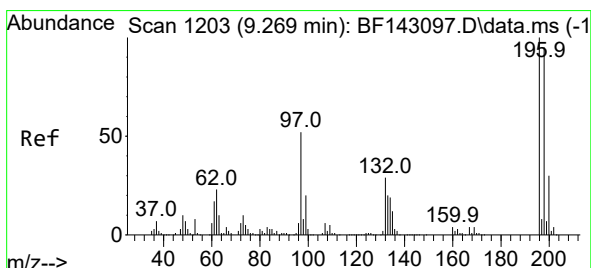
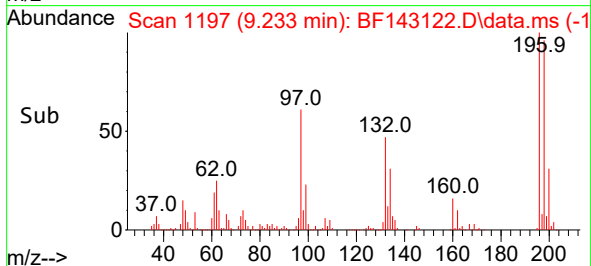
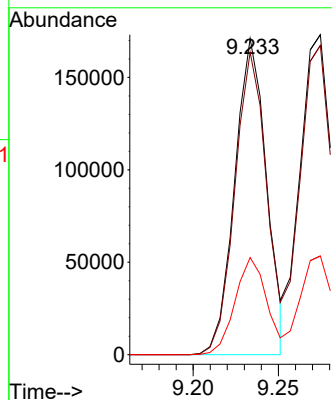
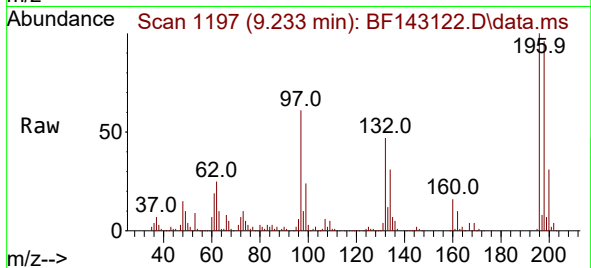
Tgt Ion:196 Resp: 222112

Ion Ratio Lower Upper

196 100

198 95.7 76.9 115.3

200 30.7 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 43.216 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Tgt Ion:196 Resp: 229401

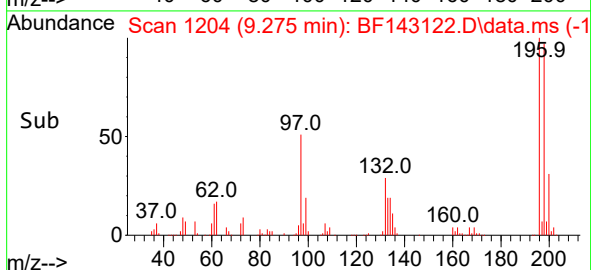
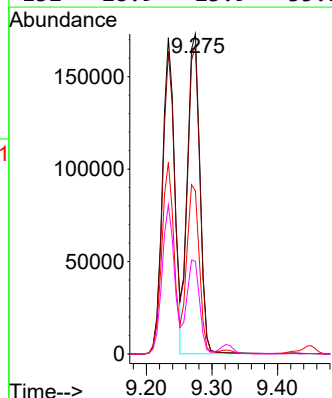
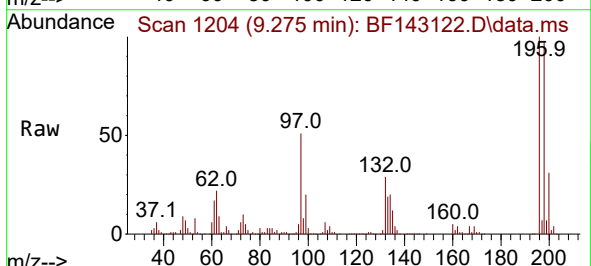
Ion Ratio Lower Upper

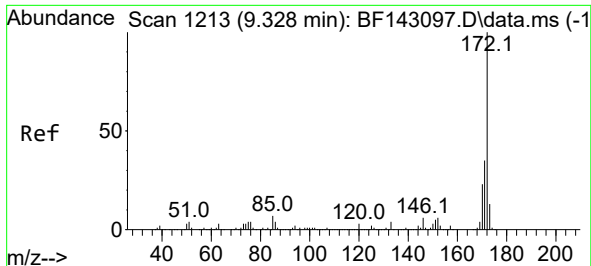
196 100

198 96.7 76.4 114.6

97 50.9 42.4 63.6

132 28.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 68.405 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

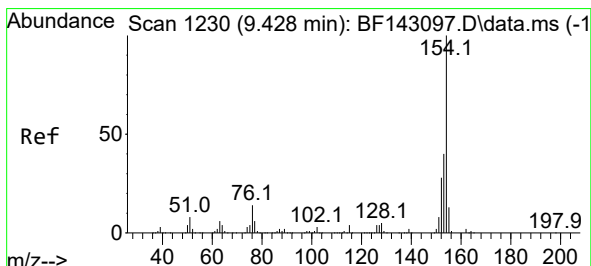
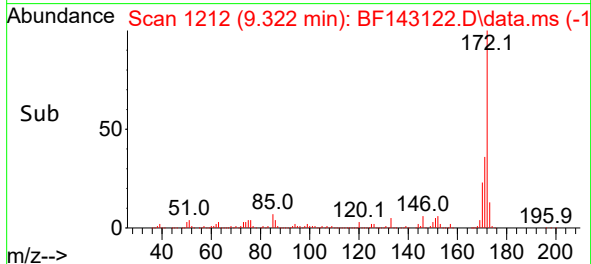
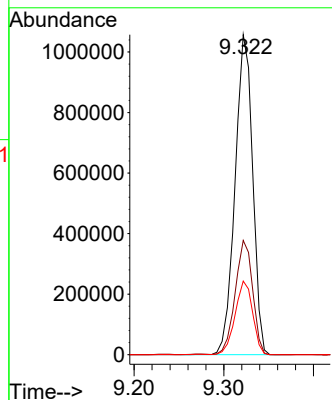
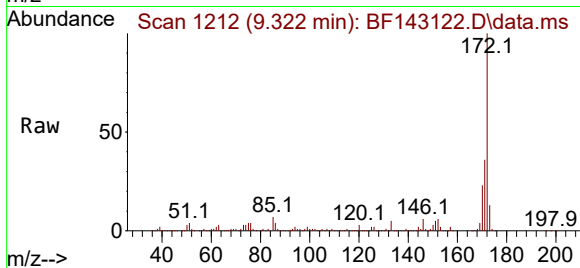
Tgt Ion:172 Resp: 1438701

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.0 18.6 28.0



#46

1,1'-Biphenyl

Concen: 40.322 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

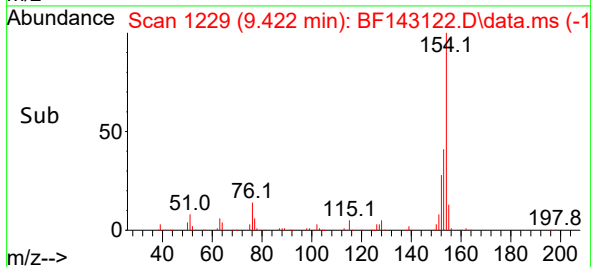
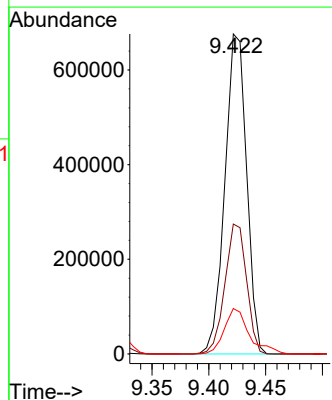
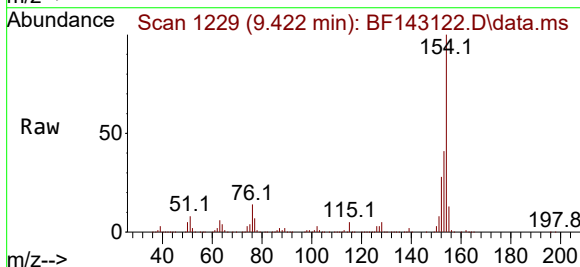
Tgt Ion:154 Resp: 899008

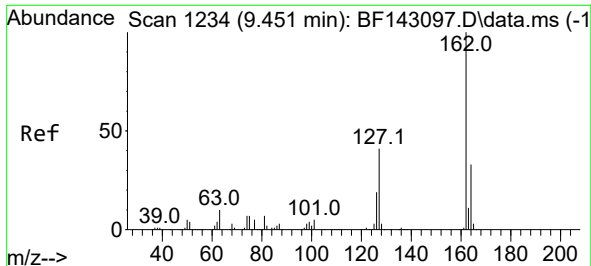
Ion Ratio Lower Upper

154 100

153 40.6 20.1 60.1

76 14.2 0.0 33.7

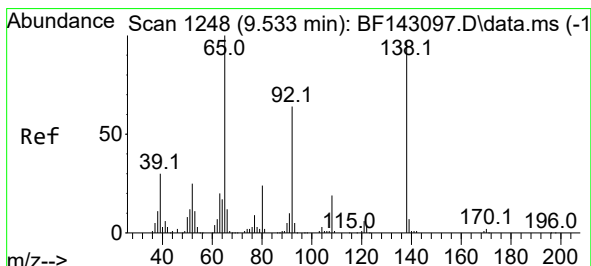
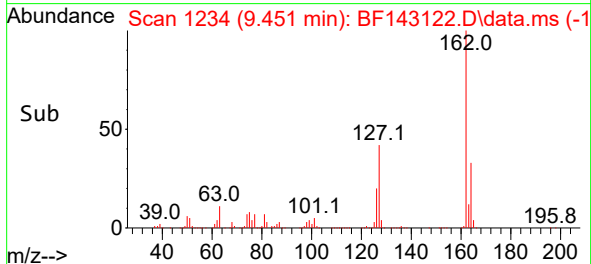
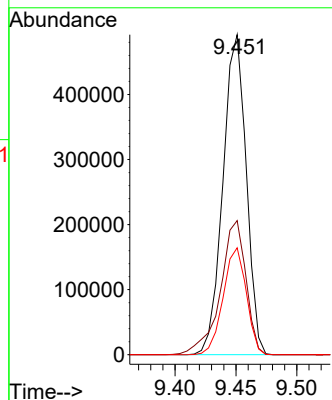
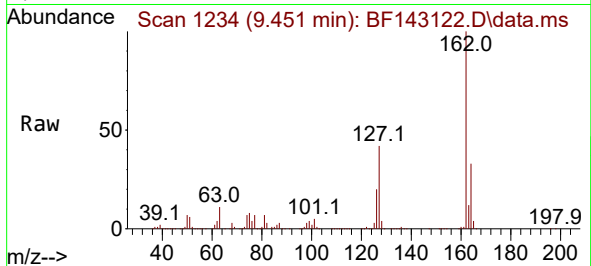




#47
2-Chloronaphthalene
Concen: 40.006 ng
RT: 9.451 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

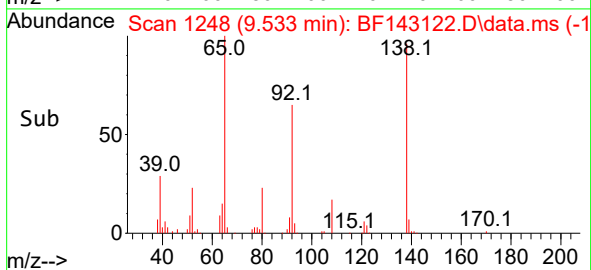
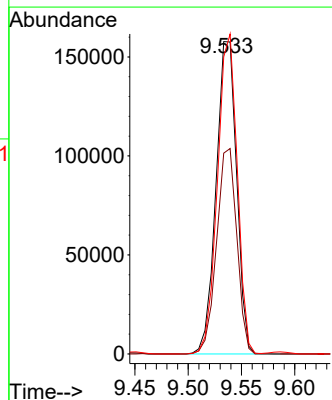
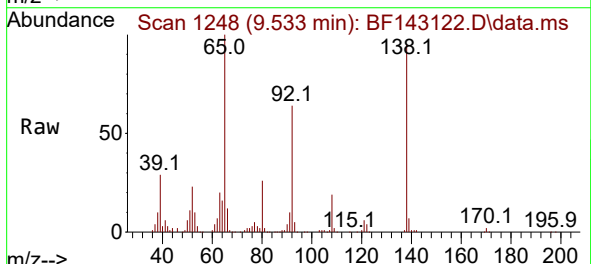
Instrument : BNA_F
ClientSampleId : WC-SOIL-20250711MS

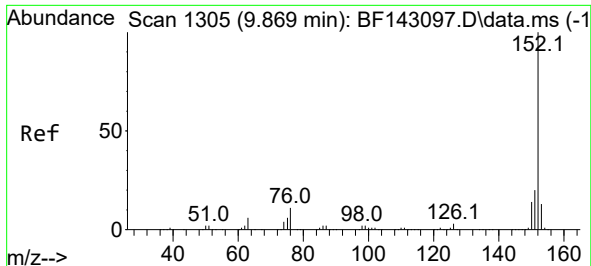
Tgt Ion:162 Resp: 655257
Ion Ratio Lower Upper
162 100
127 41.9 33.0 49.6
164 33.4 26.1 39.1



#48
2-Nitroaniline
Concen: 43.531 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 65 Resp: 211327
Ion Ratio Lower Upper
65 100
92 64.3 51.3 76.9
138 95.1 77.8 116.6

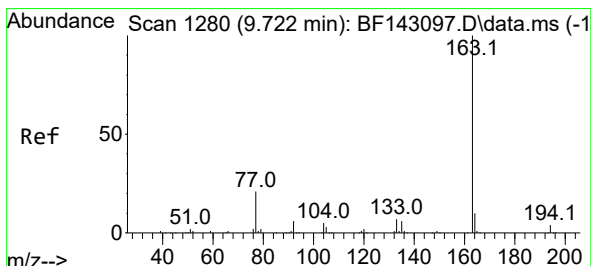
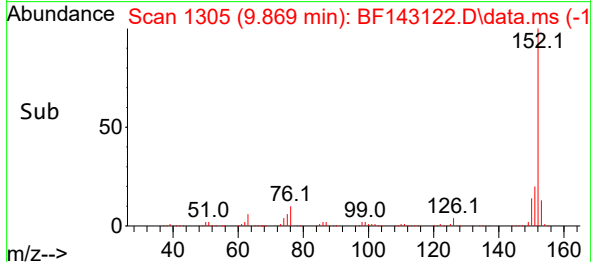
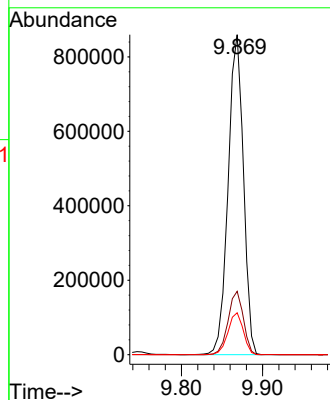
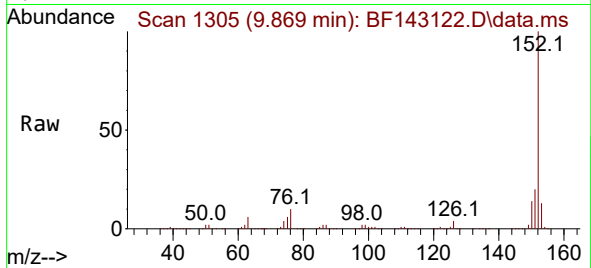




#49
Acenaphthylene
Concen: 41.213 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

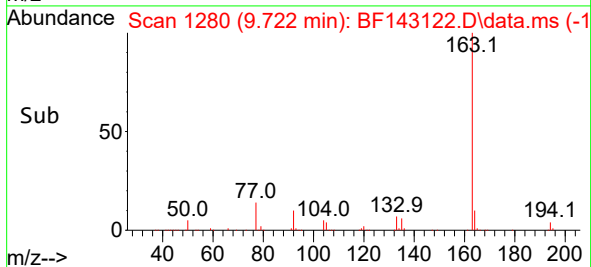
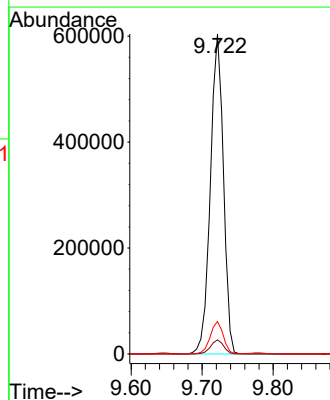
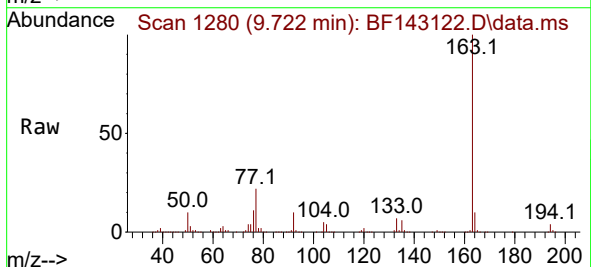
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

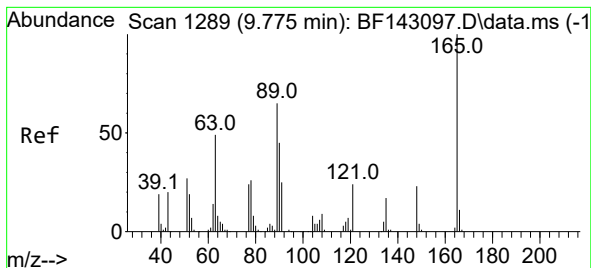
Tgt Ion:152 Resp: 1124808
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 43.883 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:163 Resp: 771833
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 45.543 ng

RT: 9.780 min Scan# 1289

Delta R.T. 0.005 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

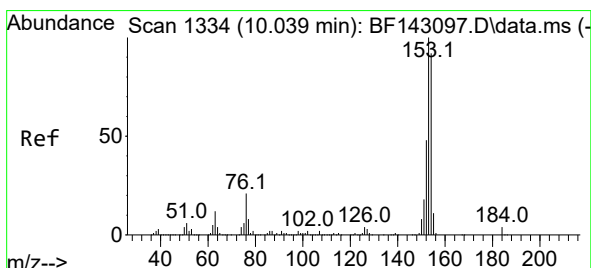
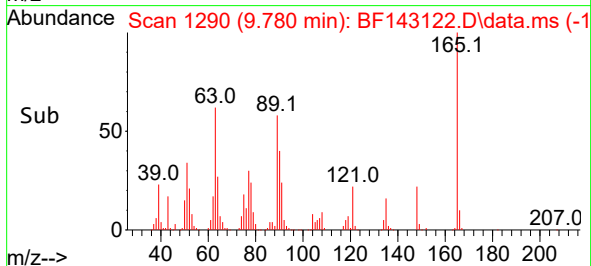
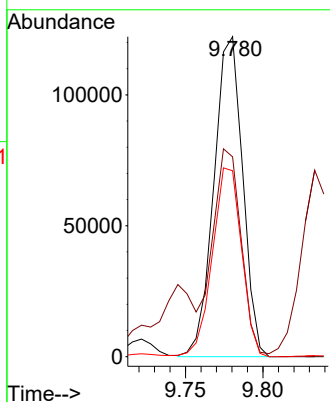
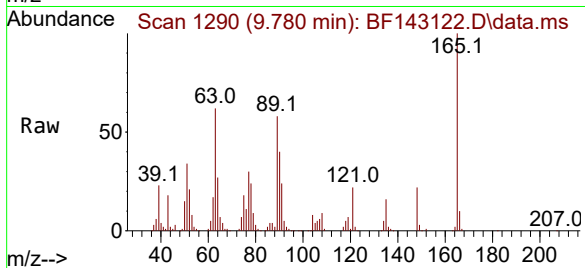
Tgt Ion:165 Resp: 157757

Ion Ratio Lower Upper

165 100

63 62.5 57.4 86.0

89 58.1 51.8 77.8



#52

Acenaphthene

Concen: 40.233 ng

RT: 10.039 min Scan# 1334

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

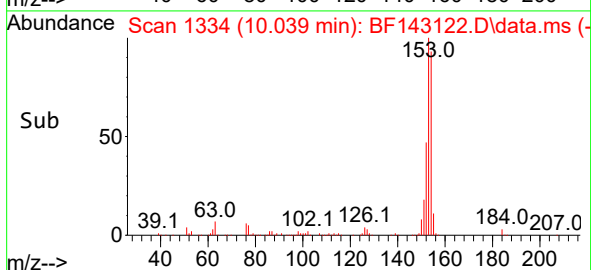
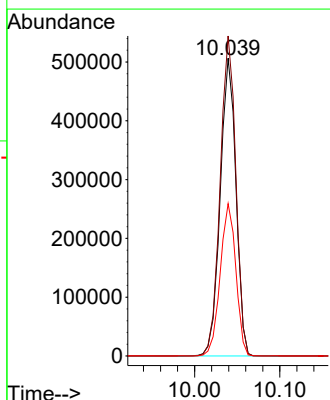
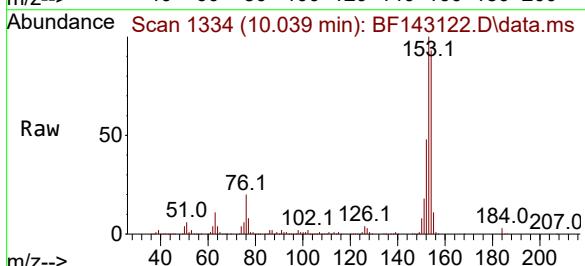
Tgt Ion:154 Resp: 647980

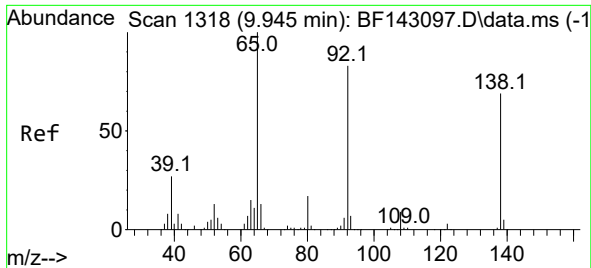
Ion Ratio Lower Upper

154 100

153 107.5 86.7 130.1

152 51.2 41.4 62.2

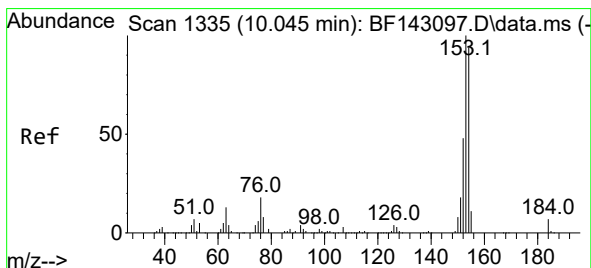
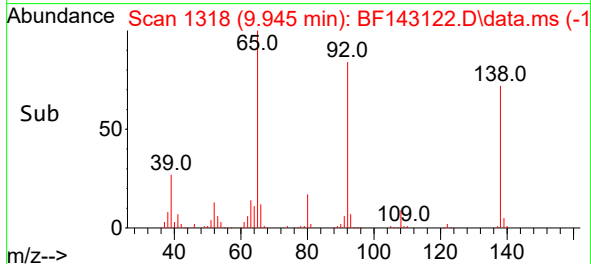
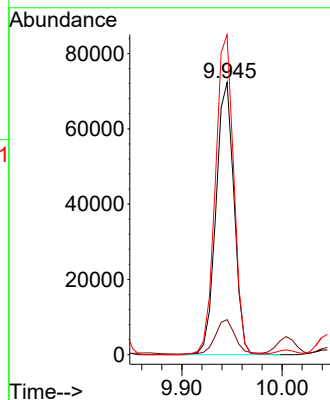
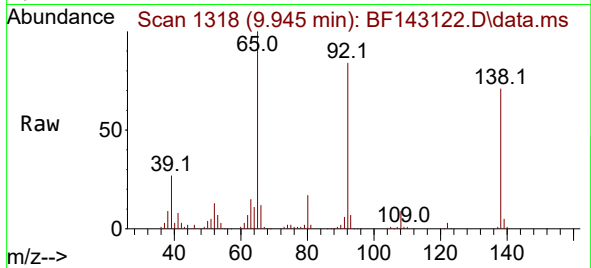




#53
3-Nitroaniline
Concen: 23.807 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

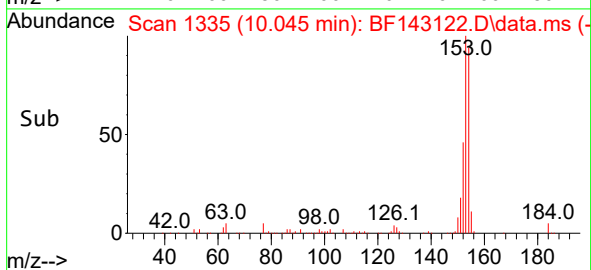
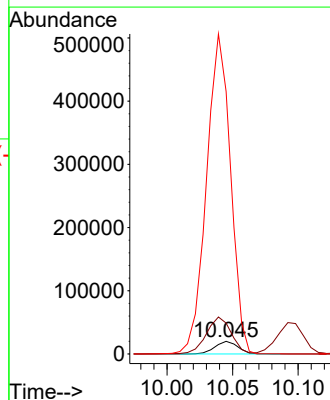
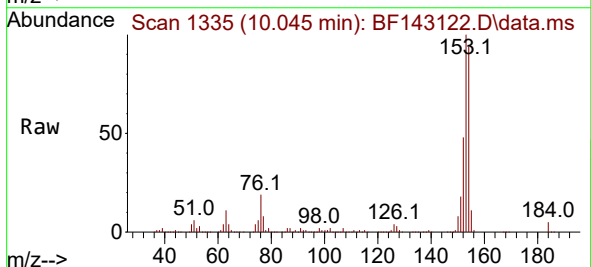
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

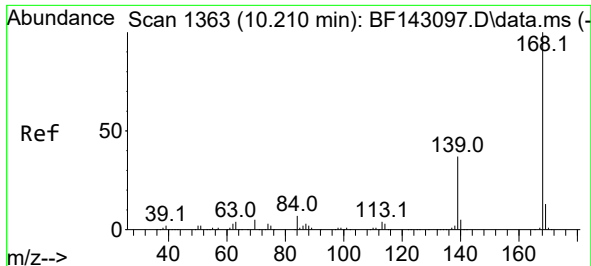
Tgt Ion:138 Resp: 90479
Ion Ratio Lower Upper
138 100
108 12.9 10.1 15.1
92 117.6 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 26.899 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:184 Resp: 24192
Ion Ratio Lower Upper
184 100
63 245.7 149.3 223.9#
154 2087.2 1048.0 1572.0#

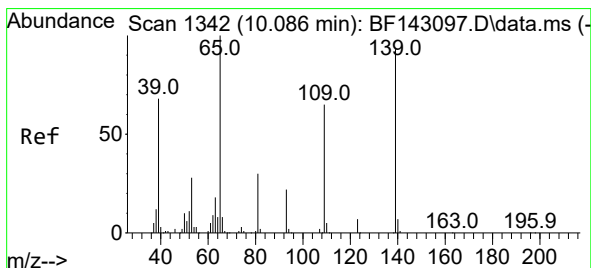
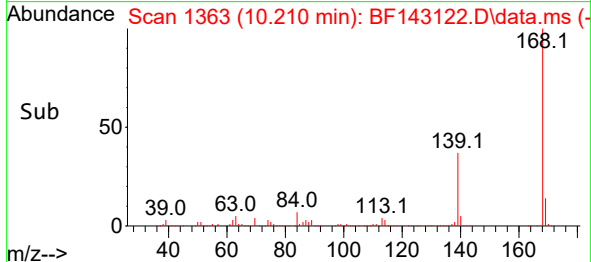
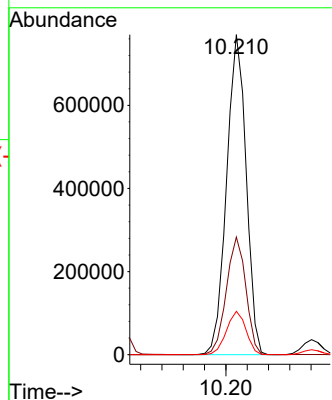
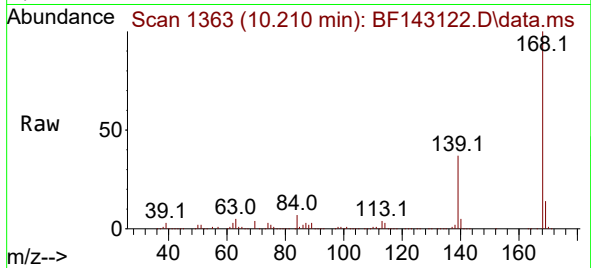




#55
Dibenzenofuran
Concen: 40.804 ng
RT: 10.210 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

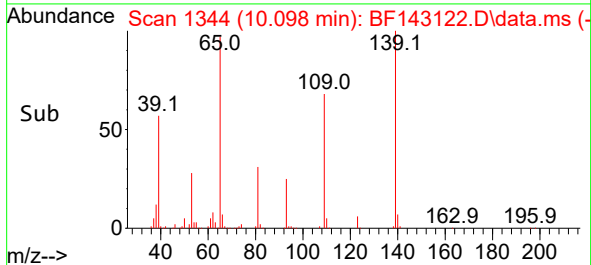
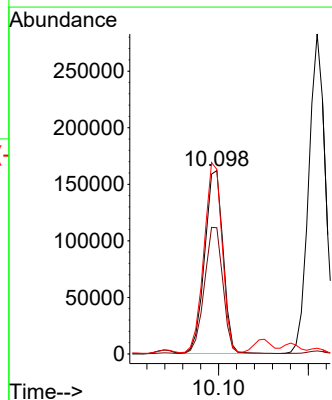
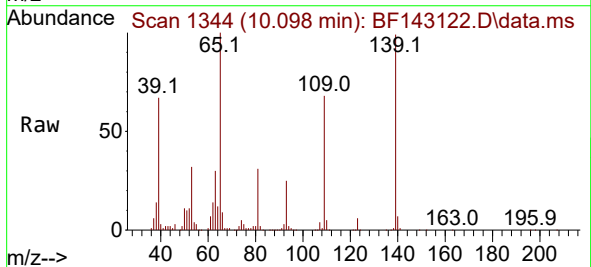
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

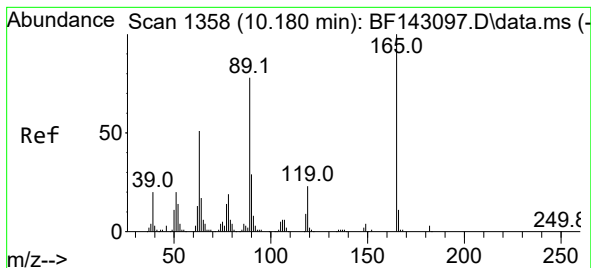
Tgt Ion:168 Resp: 979540
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.6
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 75.913 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:139 Resp: 229295
Ion Ratio Lower Upper
139 100
109 68.8 49.4 89.4
65 100.7 88.2 128.2





#57

2,4-Dinitrotoluene

Concen: 46.293 ng

RT: 10.180 min Scan# 1358

Delta R.T. 0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

Tgt Ion:165 Resp: 200358

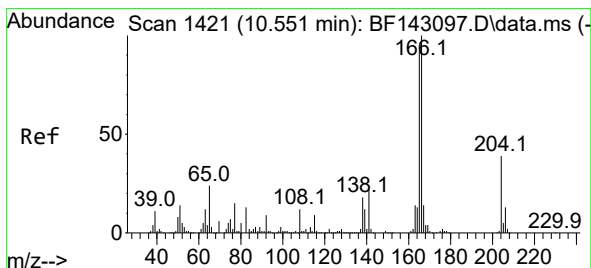
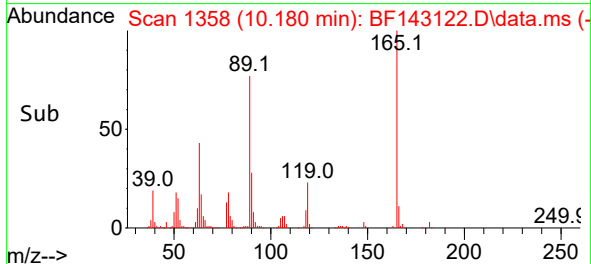
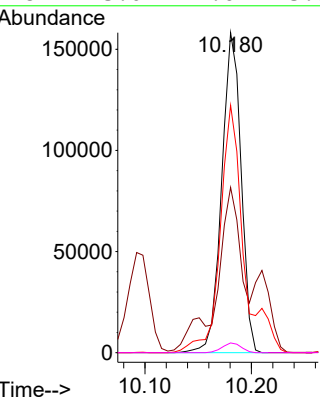
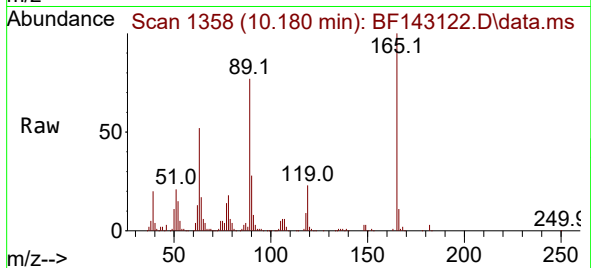
Ion Ratio Lower Upper

165 100

63 51.6 40.6 61.0

89 77.3 62.3 93.5

182 3.0 2.6 3.8



#58

Fluorene

Concen: 40.441 ng

RT: 10.551 min Scan# 1421

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

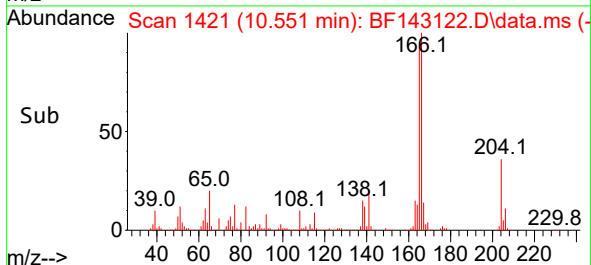
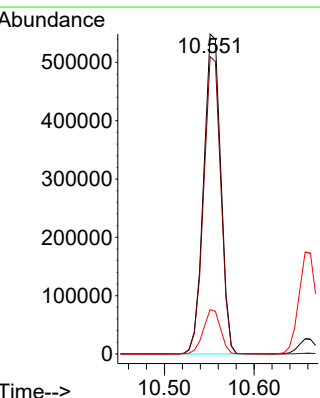
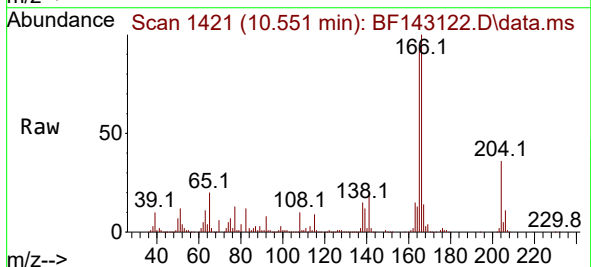
Tgt Ion:166 Resp: 727865

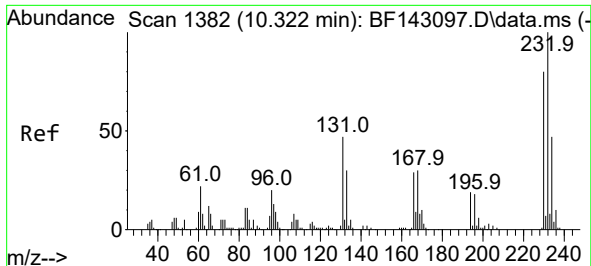
Ion Ratio Lower Upper

166 100

165 92.9 73.7 110.5

167 13.8 10.9 16.3

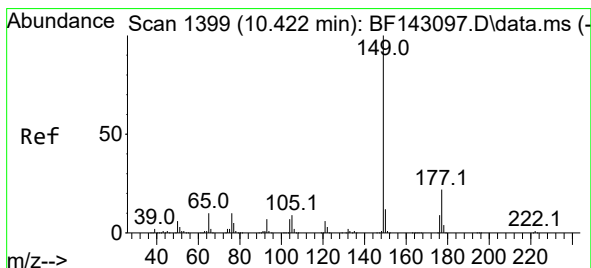
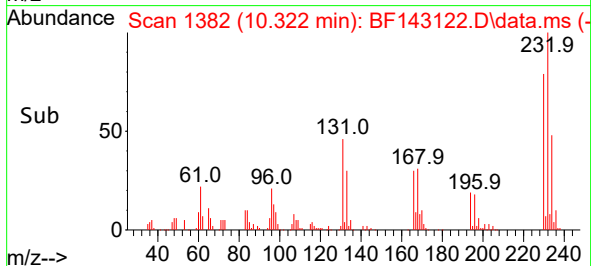
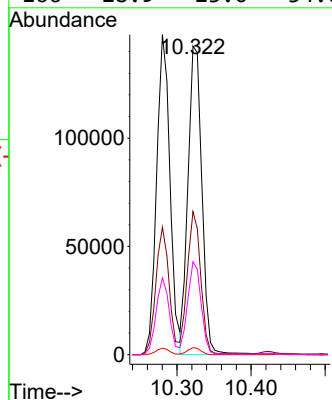
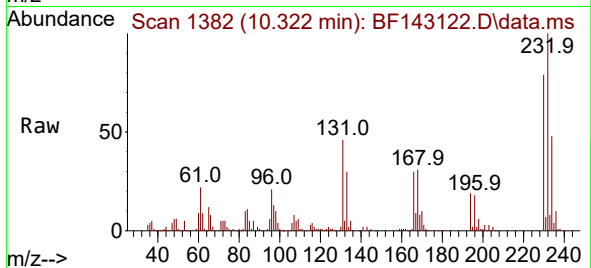




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.054 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

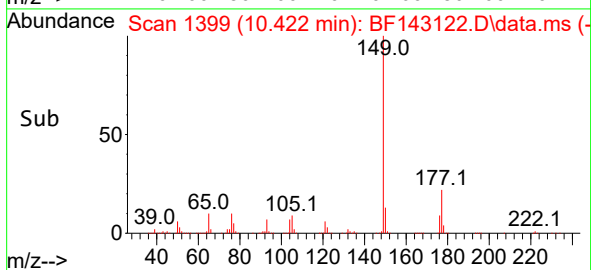
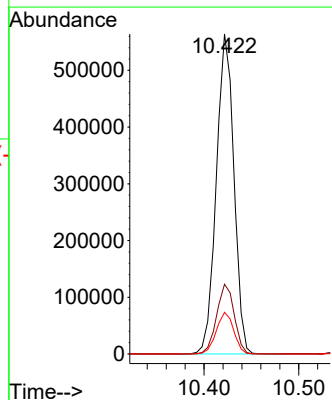
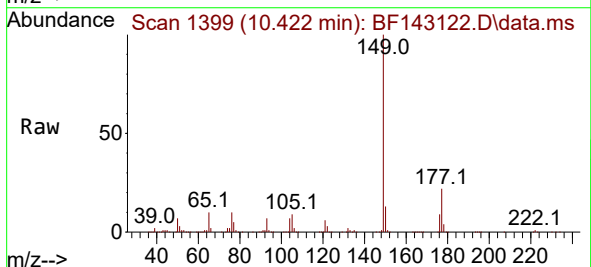
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

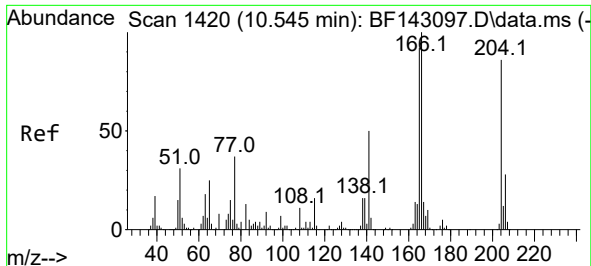
Tgt Ion:232 Resp: 185838
Ion Ratio Lower Upper
232 100
131 44.7 36.9 55.3
130 2.1 1.8 2.8
166 28.9 23.0 34.6



#60
Diethylphthalate
Concen: 42.899 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:149 Resp: 727950
Ion Ratio Lower Upper
149 100
177 21.8 17.3 25.9
150 13.0 9.9 14.9

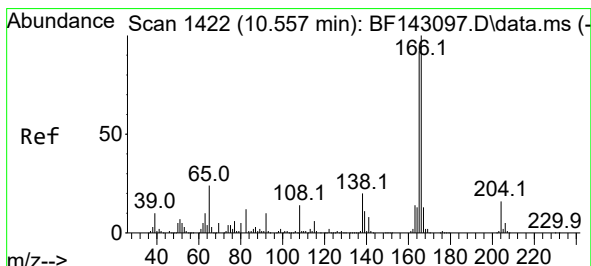
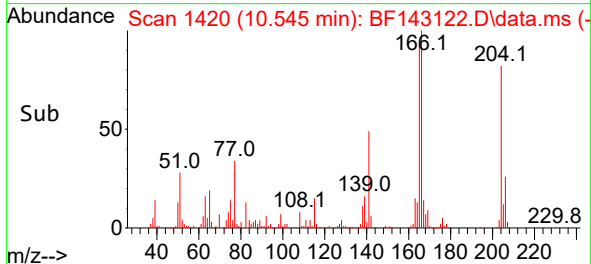
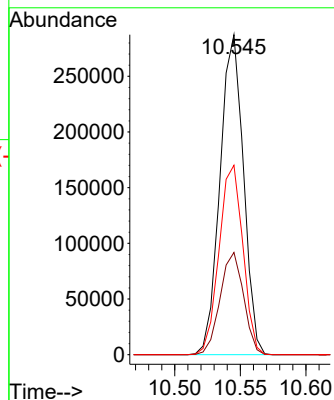
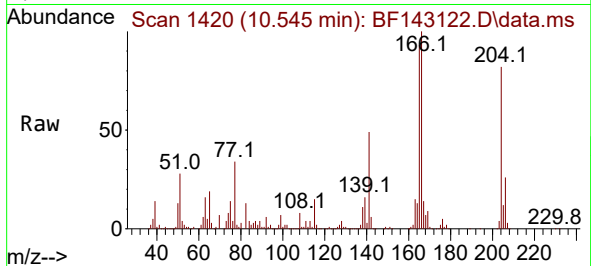




#61
4-Chlorophenyl-phenylether
Concen: 41.424 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

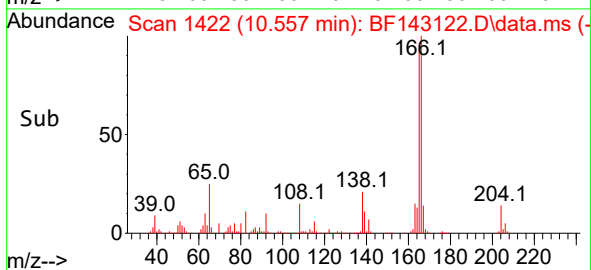
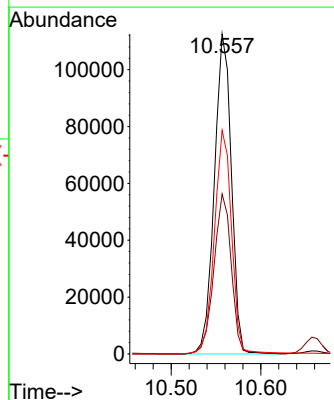
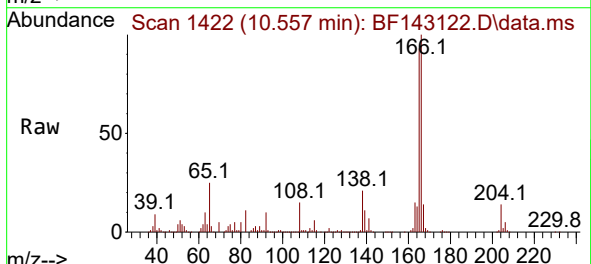
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

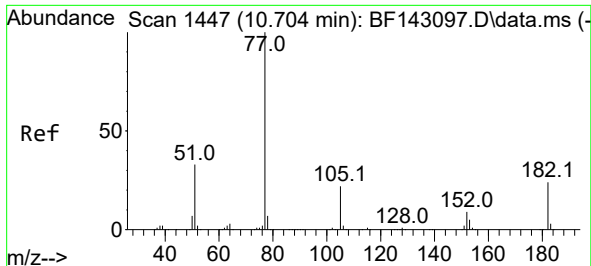
Tgt Ion:204 Resp: 357337
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.6
141 59.2 46.8 70.2



#62
4-Nitroaniline
Concen: 44.897 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:138 Resp: 148386
Ion Ratio Lower Upper
138 100
92 50.0 30.4 70.4
108 69.8 49.5 89.5

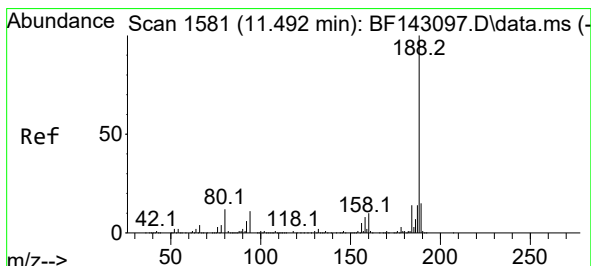
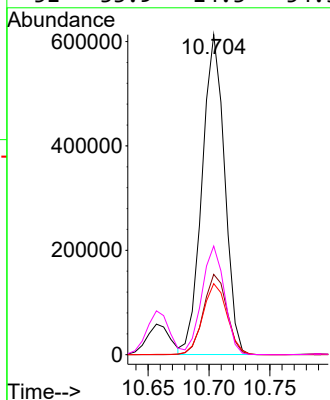
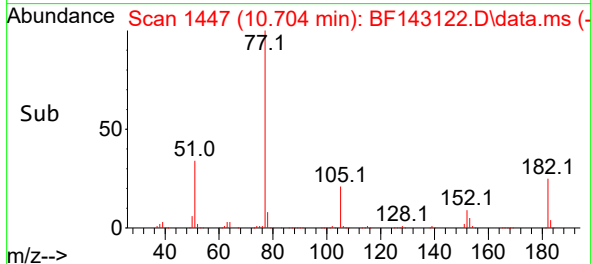
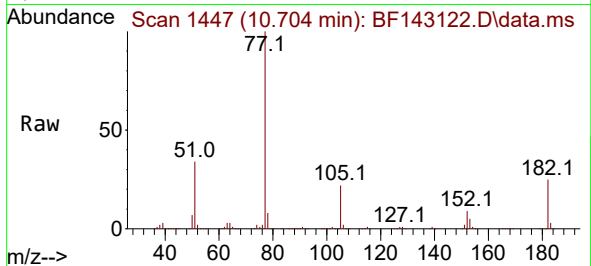




#63
Azobenzene
Concen: 42.054 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

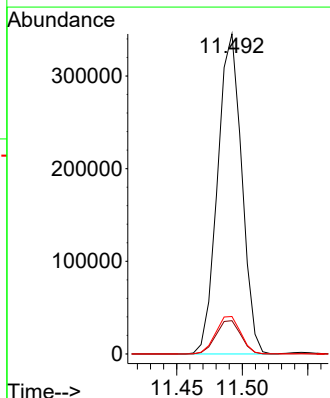
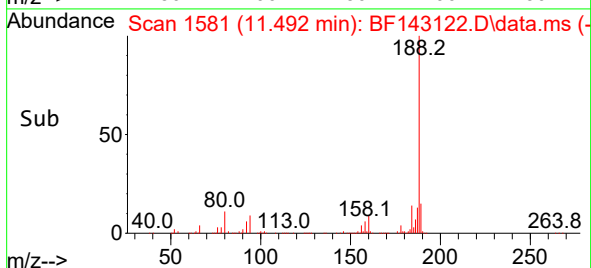
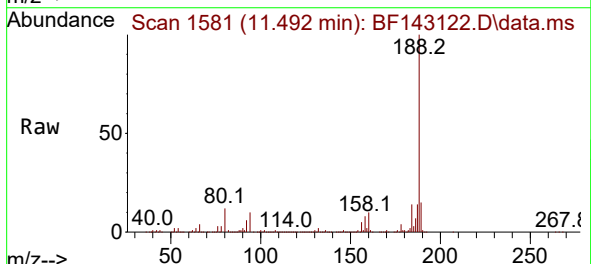
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

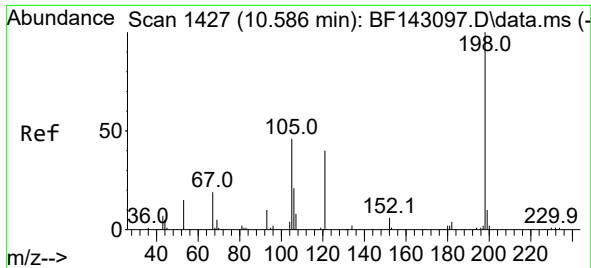
Tgt Ion:	77	Resp:	789208
Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.0	44.0
105	22.2	1.4	41.4
51	33.9	14.3	54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:	188	Resp:	442443
Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.7	9.3	13.9

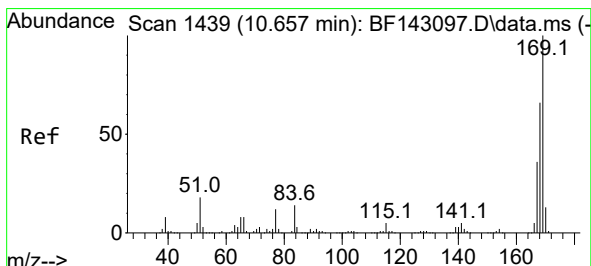
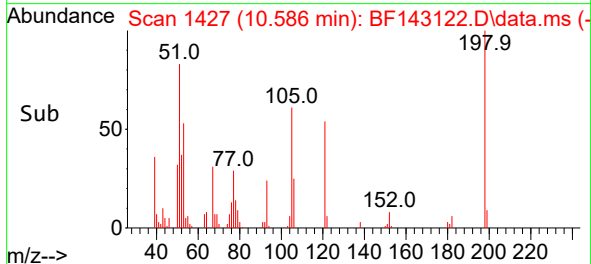
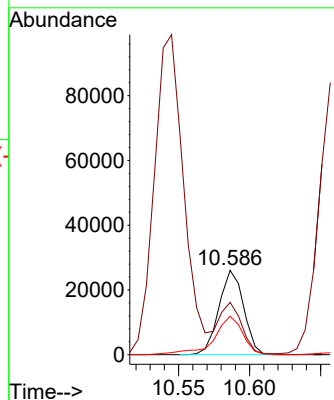
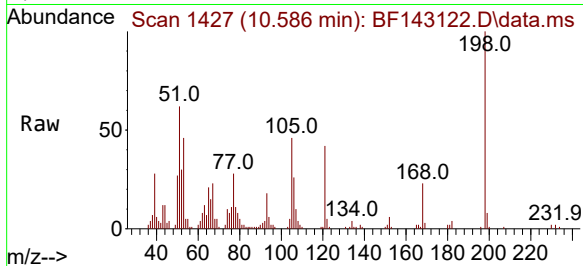




#65
4,6-Dinitro-2-methylphenol
Concen: 24.093 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

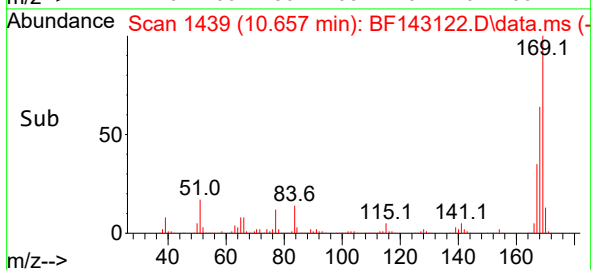
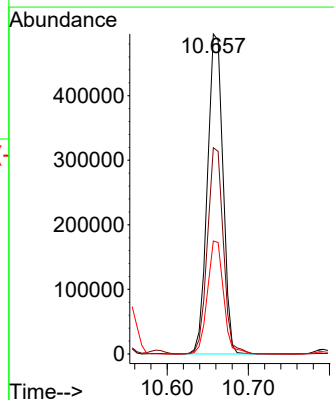
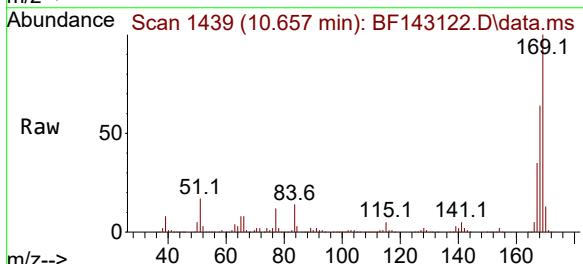
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

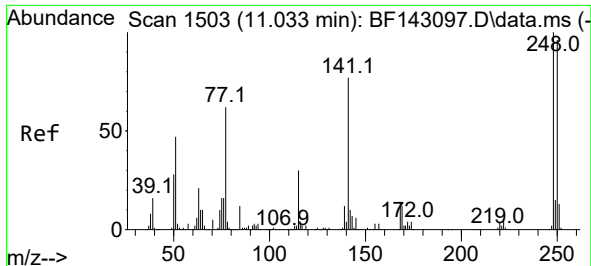
Tgt Ion:198 Resp: 31475
Ion Ratio Lower Upper
198 100
51 62.0 44.6 84.6
105 45.5 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 42.294 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:169 Resp: 657305
Ion Ratio Lower Upper
169 100
168 64.5 53.0 79.6
167 35.3 28.4 42.6

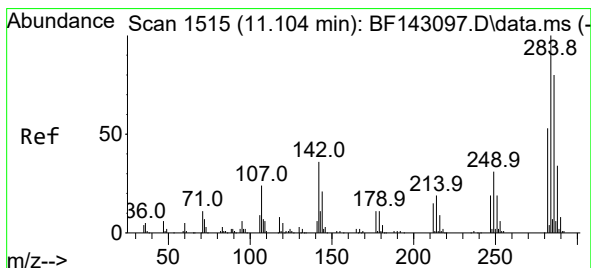
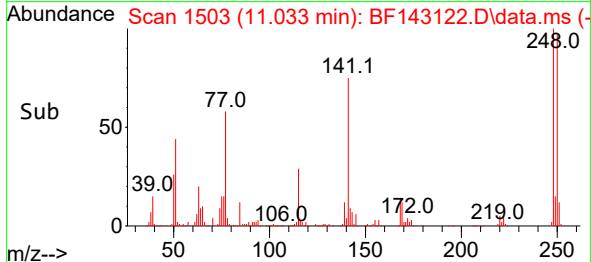
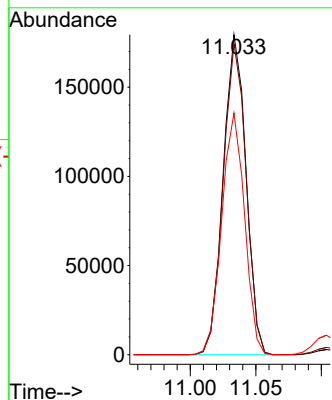
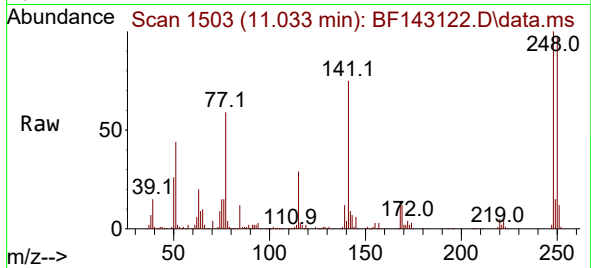




#67
4-Bromophenyl-phenylether
Concen: 43.176 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

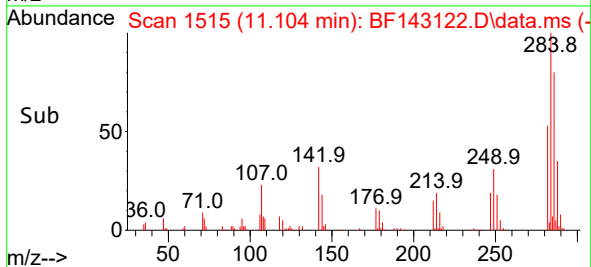
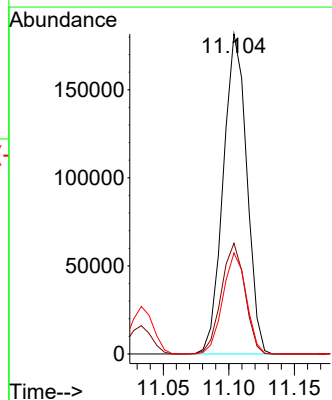
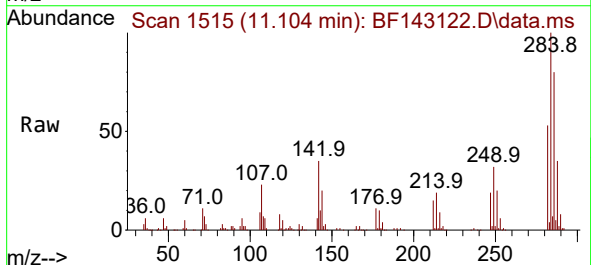
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

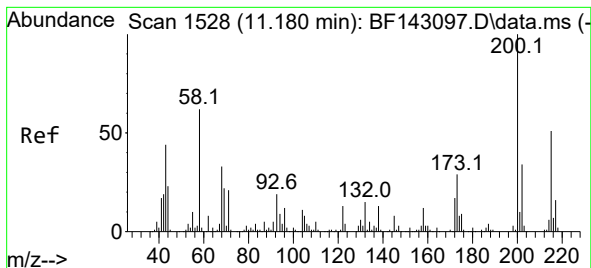
Tgt Ion:248 Resp: 217241
Ion Ratio Lower Upper
248 100
250 97.2 76.7 115.1
141 75.5 61.7 92.5



#68
Hexachlorobenzene
Concen: 42.521 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:284 Resp: 227007
Ion Ratio Lower Upper
284 100
142 34.6 28.9 43.3
249 31.6 24.6 37.0





#69

Atrazine

Concen: 45.934 ng

RT: 11.180 min Scan# 1528

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

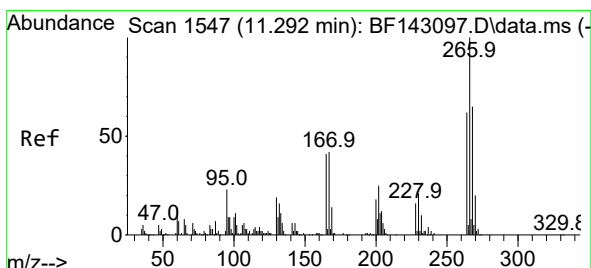
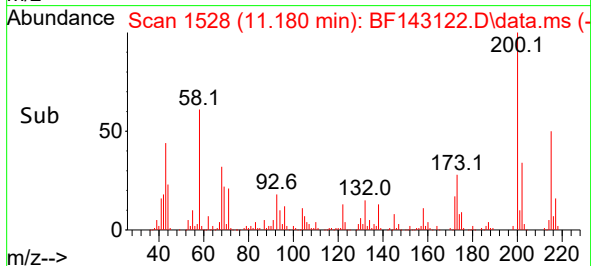
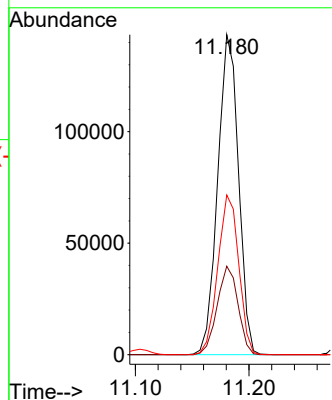
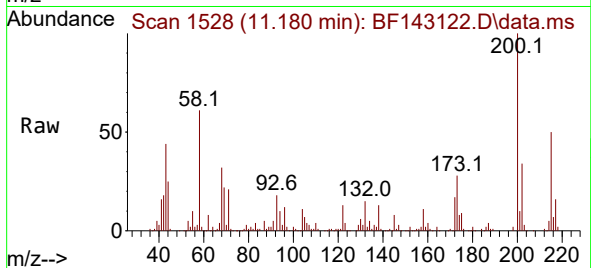
Tgt Ion:200 Resp: 182643

Ion Ratio Lower Upper

200 100

173 27.7 9.1 49.1

215 49.9 31.0 71.0



#70

Pentachlorophenol

Concen: 75.092 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

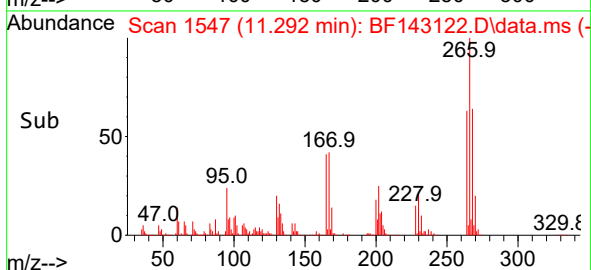
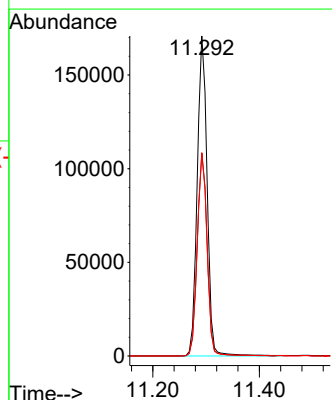
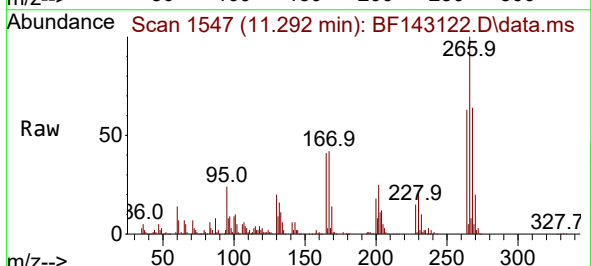
Tgt Ion:266 Resp: 219946

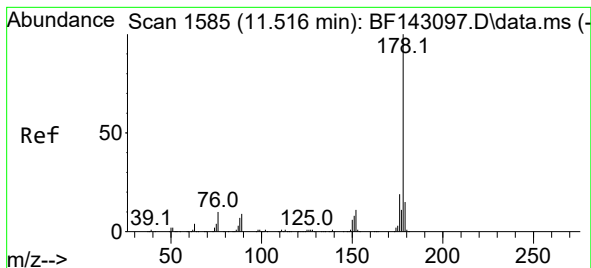
Ion Ratio Lower Upper

266 100

268 63.5 51.8 77.6

264 63.5 49.7 74.5





#71

Phenanthrene

Concen: 41.656 ng

RT: 11.516 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

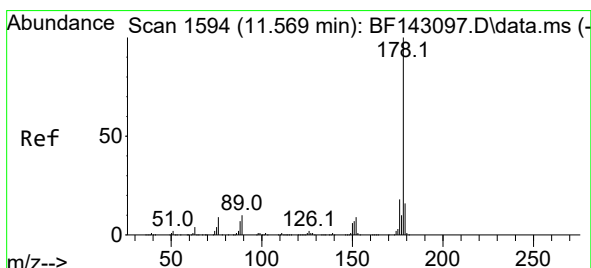
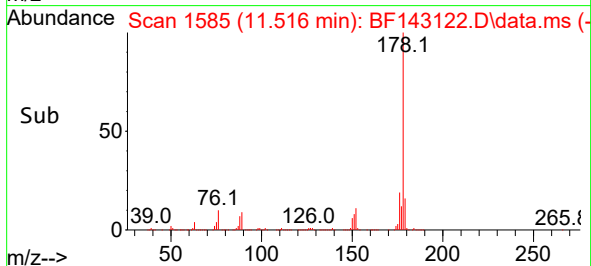
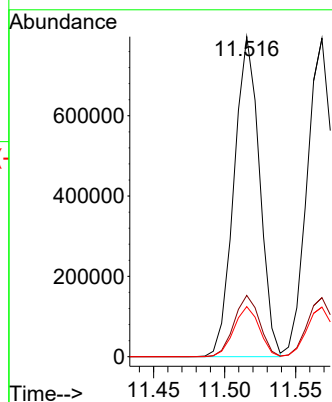
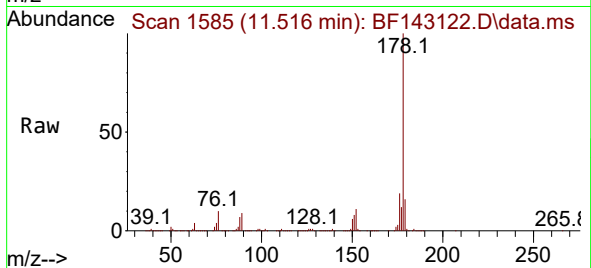
Tgt Ion:178 Resp: 994655

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.6 12.2 18.4



#72

Anthracene

Concen: 41.818 ng

RT: 11.569 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

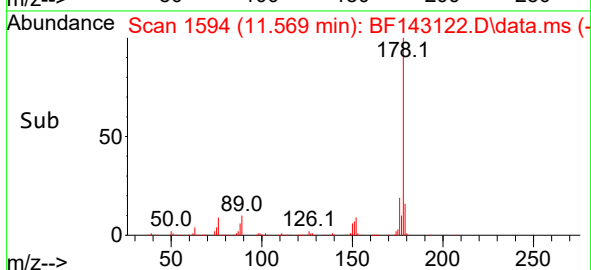
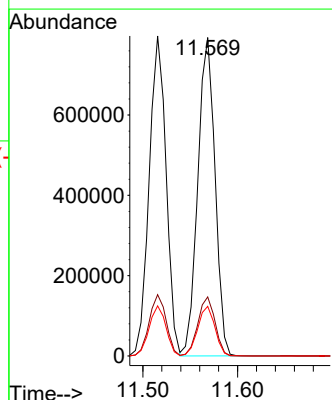
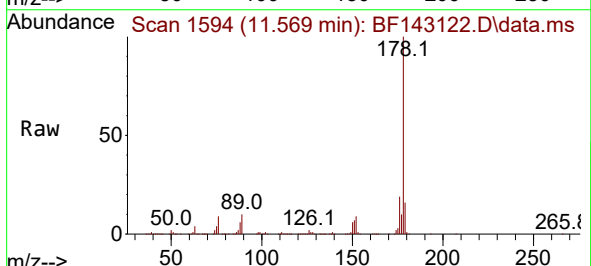
Tgt Ion:178 Resp: 1004134

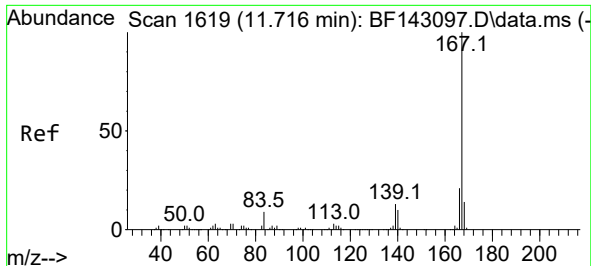
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.6 12.4 18.6

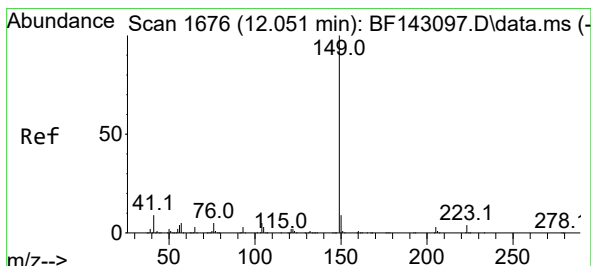
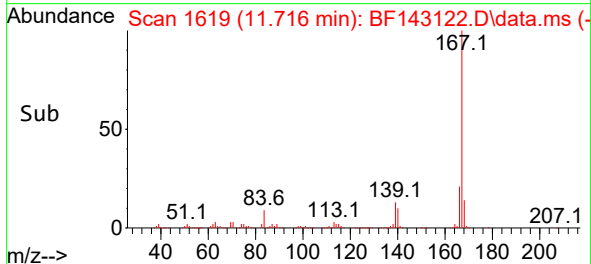
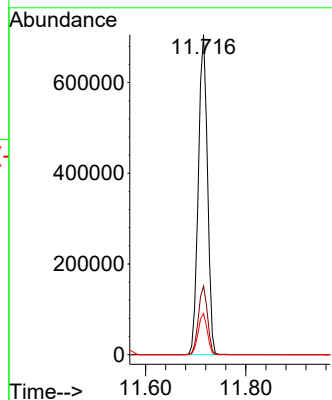
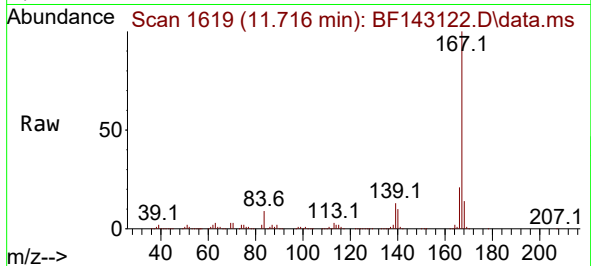




#73
 Carbazole
 Concen: 41.337 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

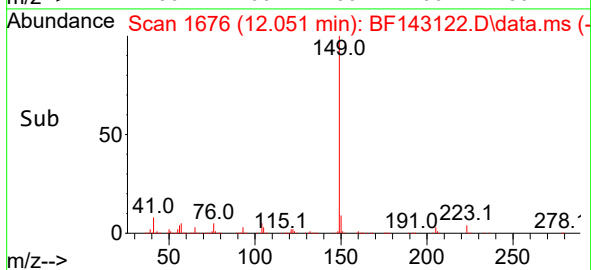
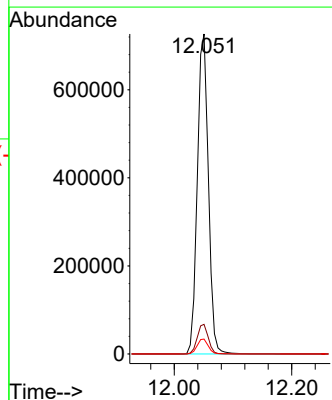
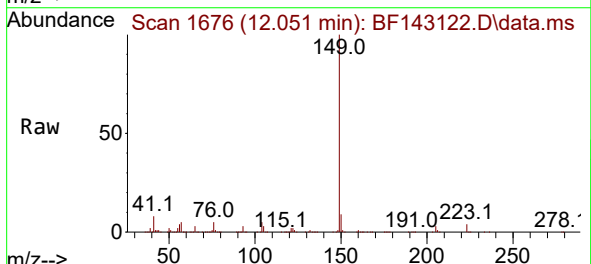
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS

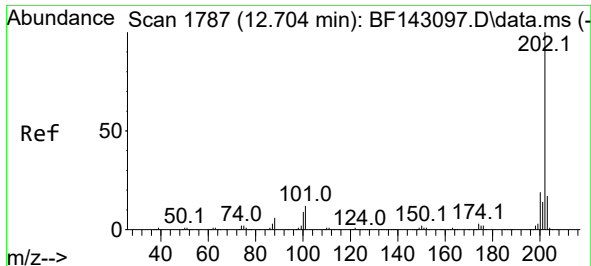
Tgt Ion:167 Resp: 889232
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.4
 139 12.9 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 47.886 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

Tgt Ion:149 Resp: 945553
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.3 10.9
 104 4.7 3.8 5.8

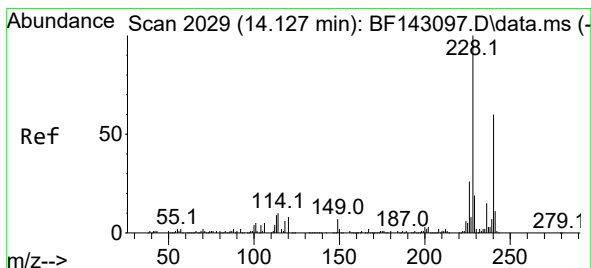
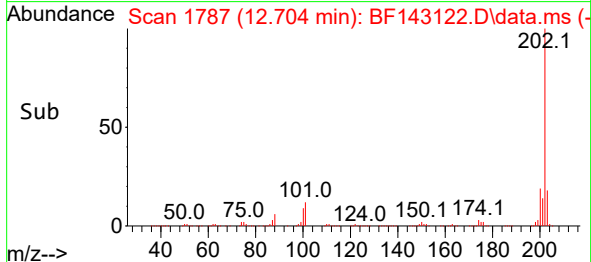
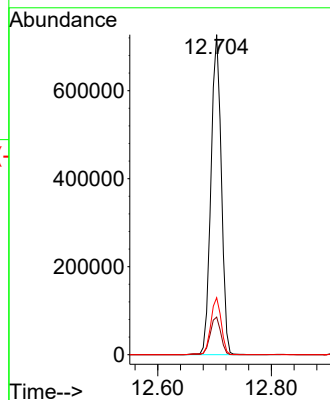
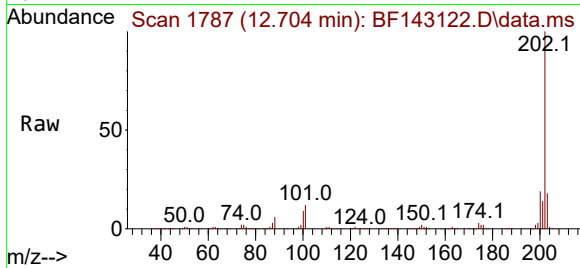




#75
Fluoranthene
Concen: 42.142 ng
RT: 12.704 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

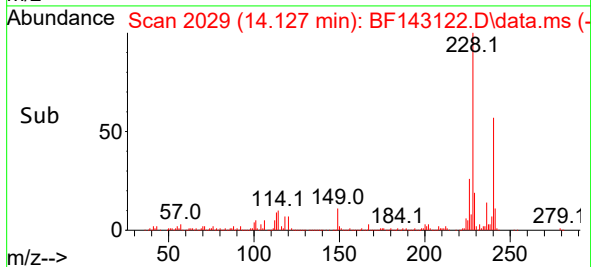
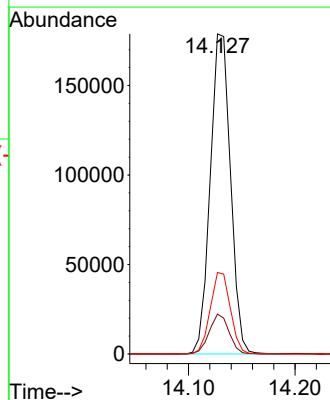
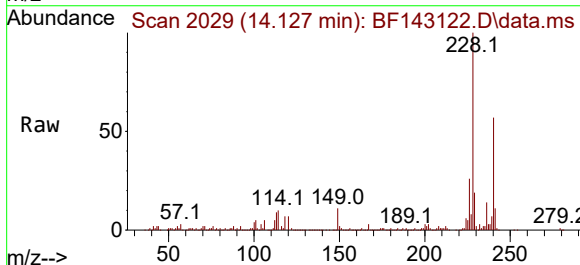
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

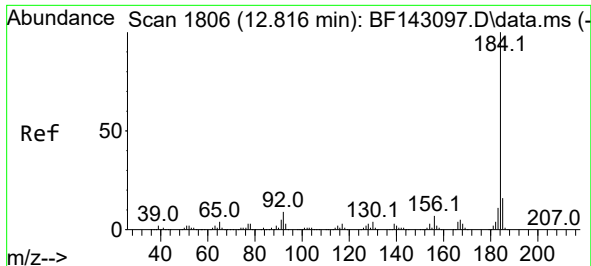
Tgt Ion:202 Resp: 914970
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.4
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:240 Resp: 237238
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 25.4 20.0 30.0

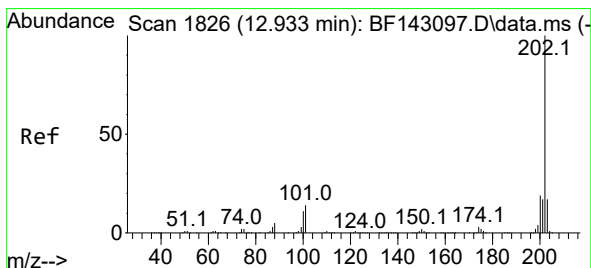
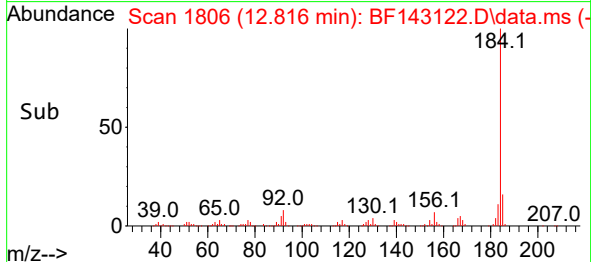
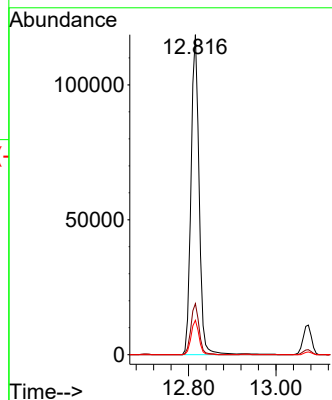
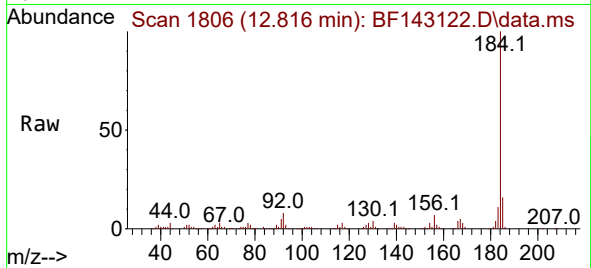




#77
Benzidine
Concen: 18.872 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

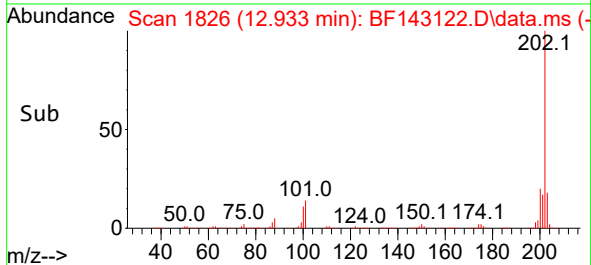
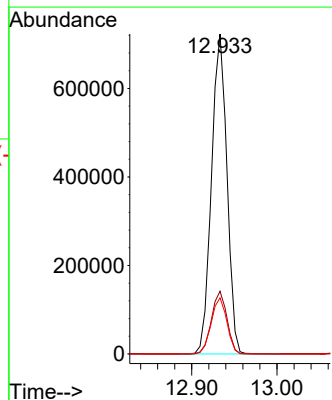
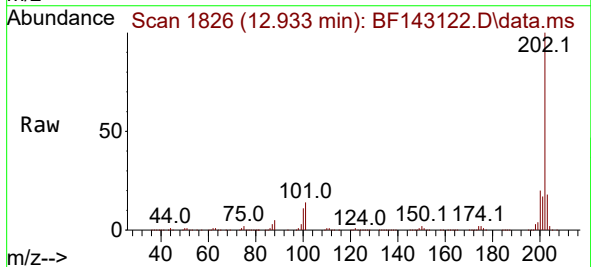
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

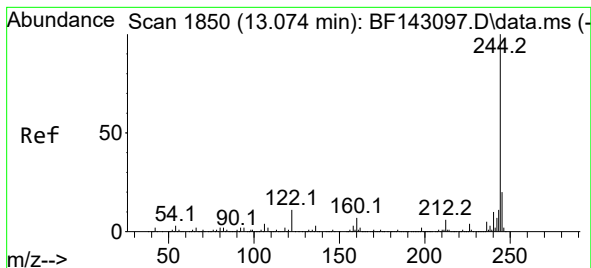
Tgt Ion:184 Resp: 152530
Ion Ratio Lower Upper
184 100
185 16.0 12.4 18.6
183 10.7 8.6 12.8



#78
Pyrene
Concen: 41.371 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:202 Resp: 910638
Ion Ratio Lower Upper
202 100
200 19.6 15.5 23.3
203 17.5 14.0 21.0





#79

Terphenyl-d14

Concen: 69.646 ng

RT: 13.074 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

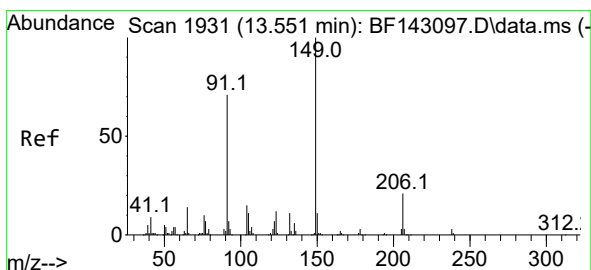
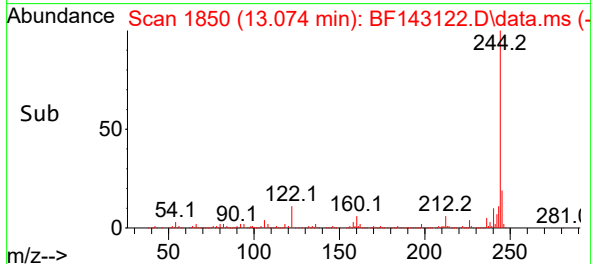
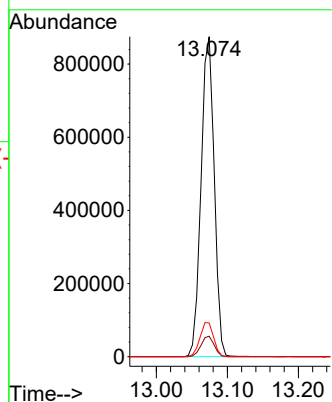
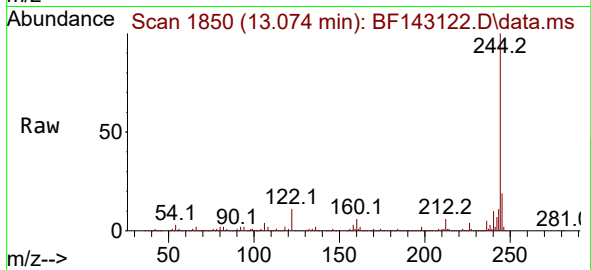
Tgt Ion:244 Resp: 1130292

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.5 8.8 13.2



#80

Butylbenzylphthalate

Concen: 48.710 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

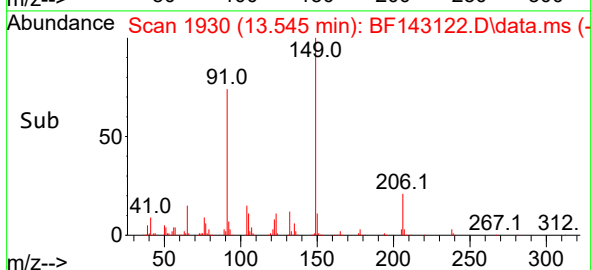
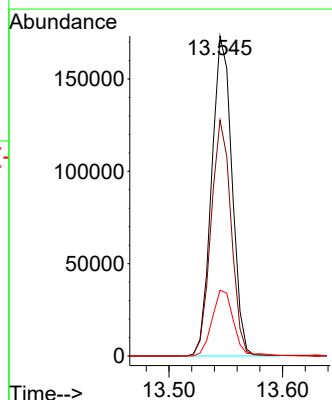
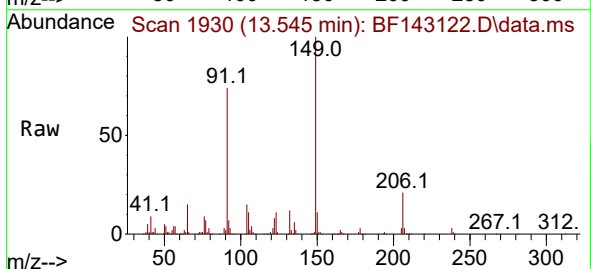
Tgt Ion:149 Resp: 215653

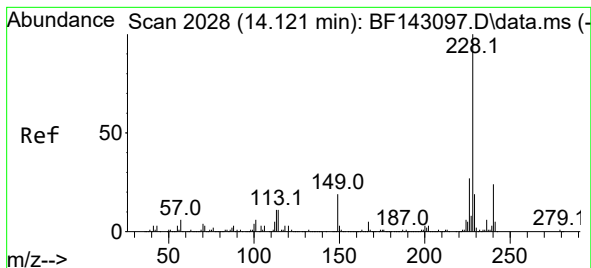
Ion Ratio Lower Upper

149 100

91 73.8 57.0 85.4

206 20.5 17.2 25.8





#81

Benzo(a)anthracene

Concen: 43.967 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

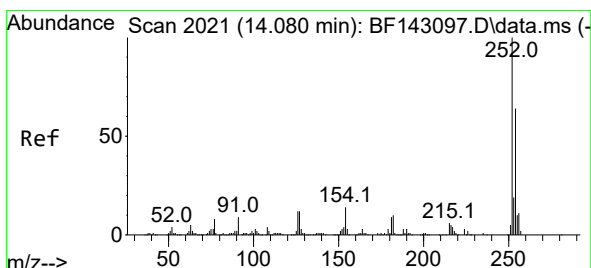
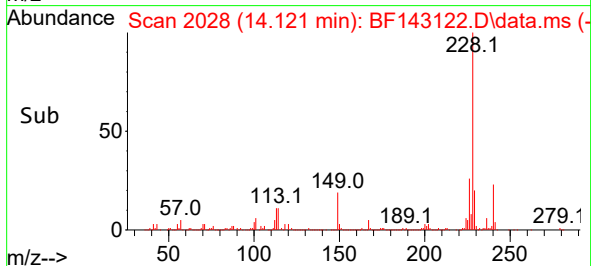
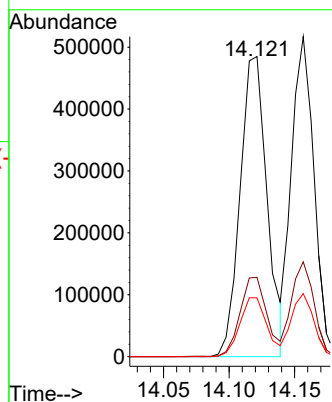
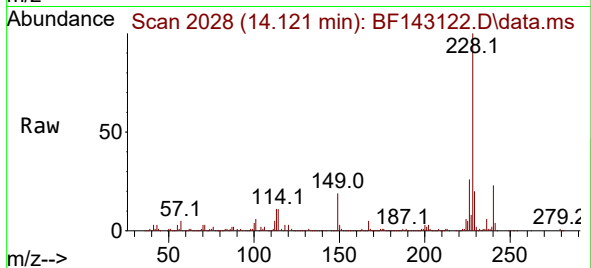
Tgt Ion:228 Resp: 695070

Ion Ratio Lower Upper

228 100

226 26.4 21.3 31.9

229 19.6 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 14.346 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

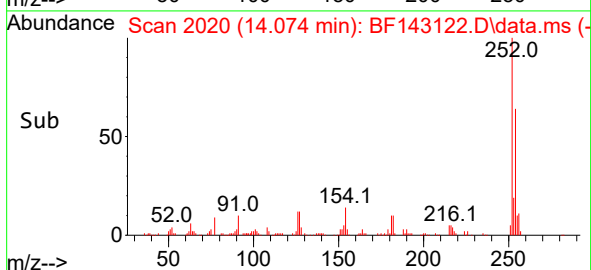
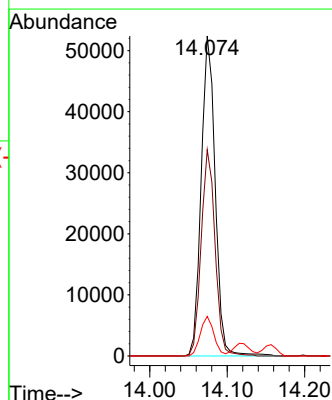
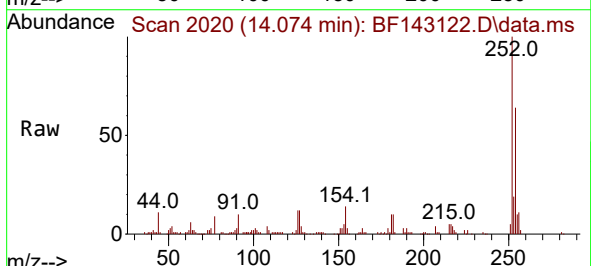
Tgt Ion:252 Resp: 65861

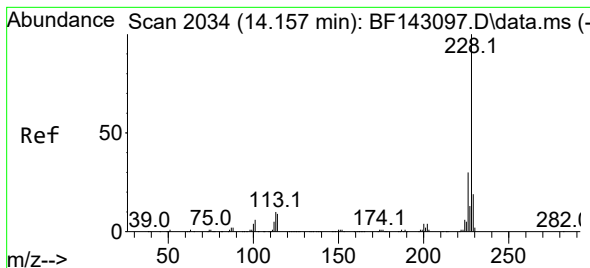
Ion Ratio Lower Upper

252 100

254 64.4 51.5 77.3

126 12.3 9.4 14.0





#83

Chrysene

Concen: 42.501 ng

RT: 14.157 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

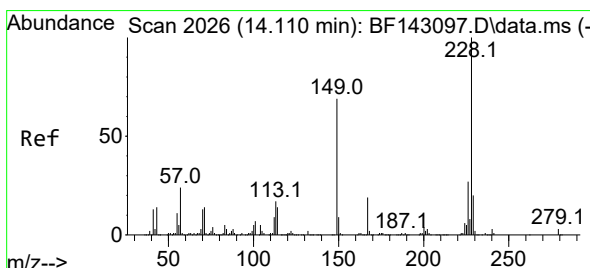
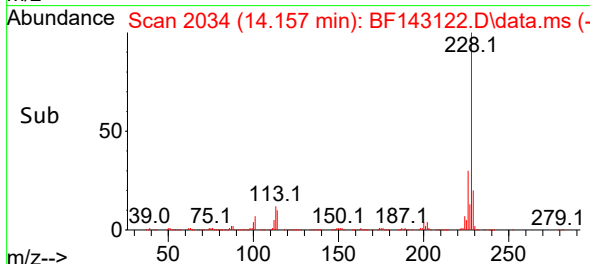
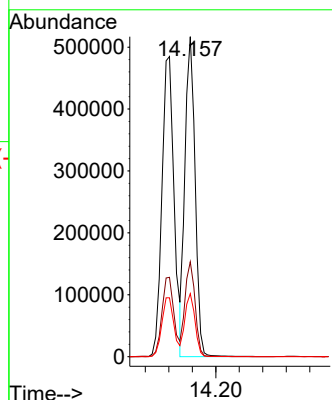
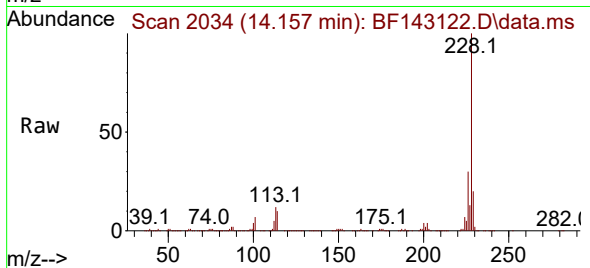
Tgt Ion:228 Resp: 618809

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

229 19.7 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.699 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

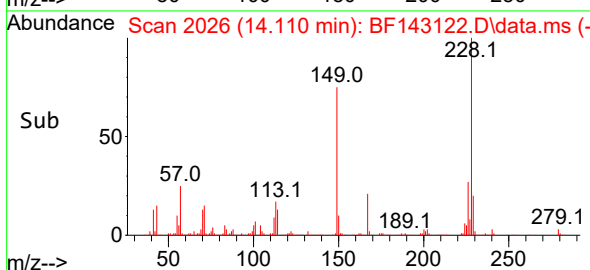
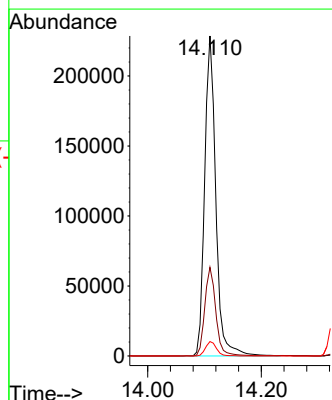
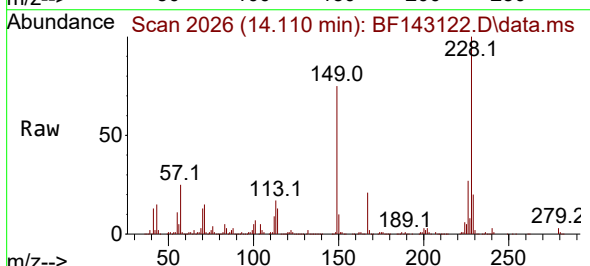
Tgt Ion:149 Resp: 310803

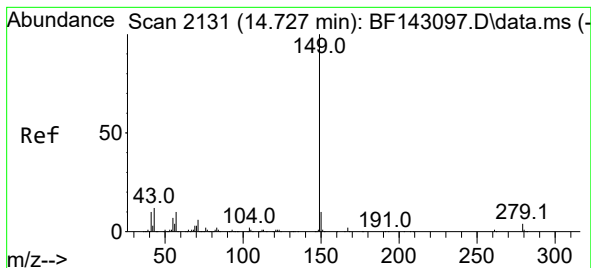
Ion Ratio Lower Upper

149 100

167 27.7 21.9 32.9

279 4.5 3.4 5.0

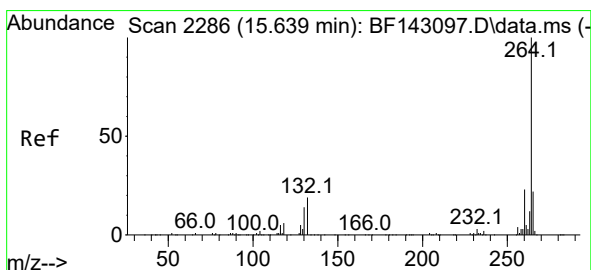
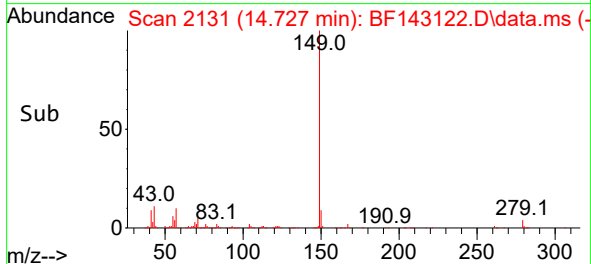
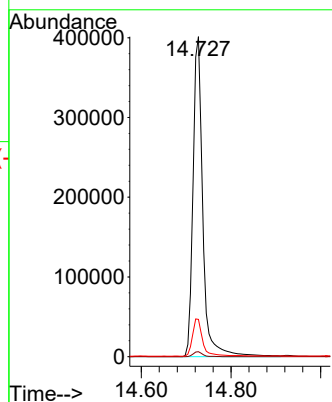
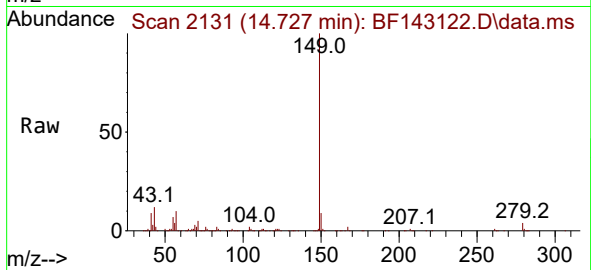




#85
Di-n-octyl phthalate
Concen: 48.177 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

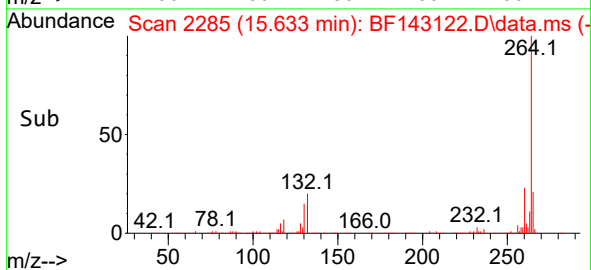
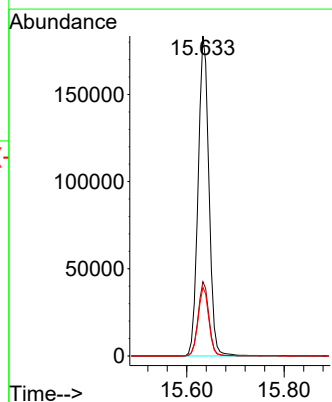
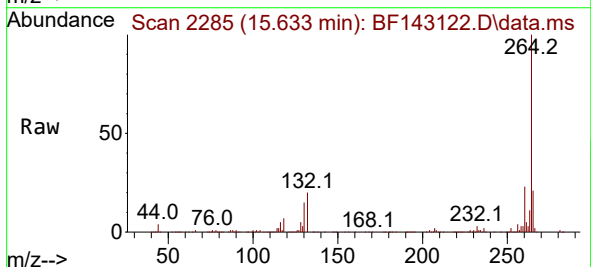
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

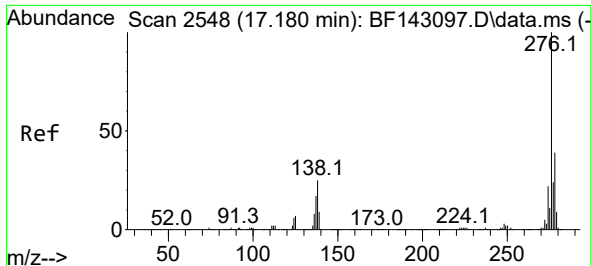
Tgt Ion:149 Resp: 608309
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.3 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

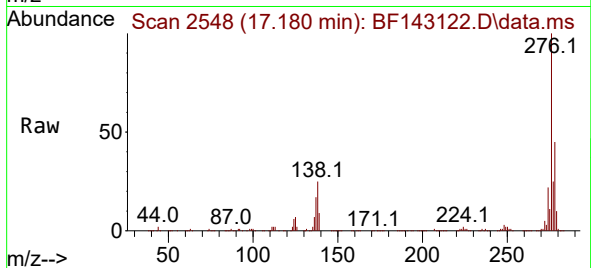
Tgt Ion:264 Resp: 283551
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.4 17.5 26.3



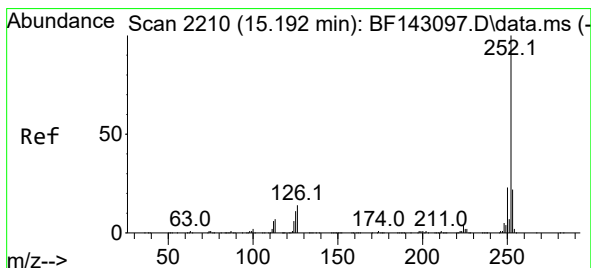
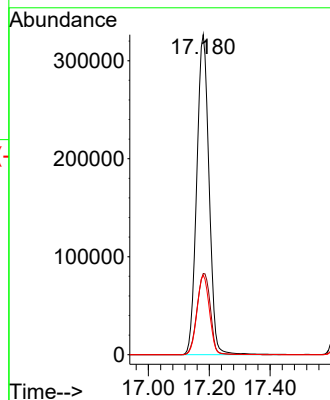
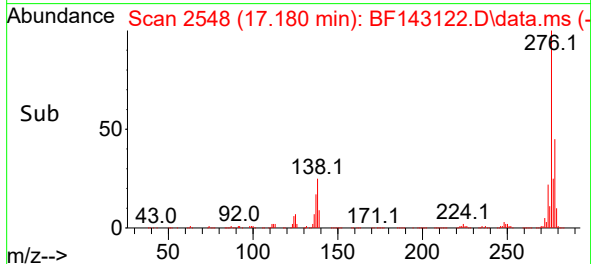


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 43.399 ng
 RT: 17.180 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS

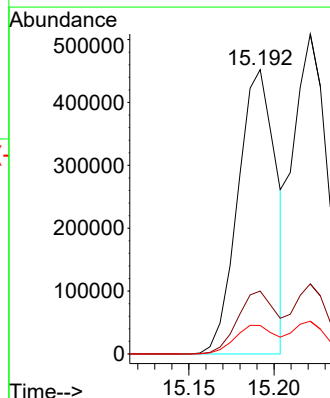
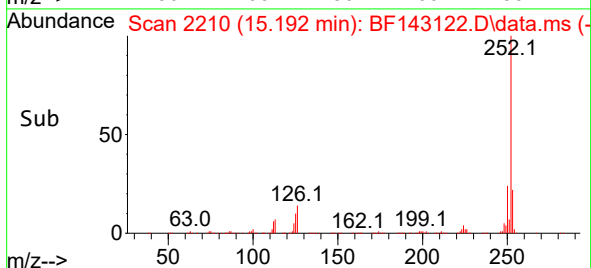
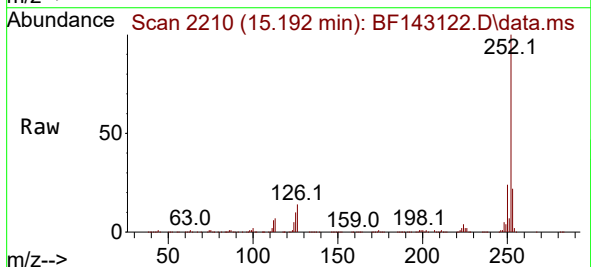


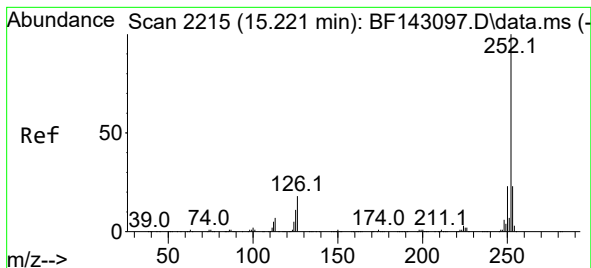
Tgt Ion:276 Resp: 915260
 Ion Ratio Lower Upper
 276 100
 138 27.4 22.6 34.0
 277 25.2 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 42.833 ng
 RT: 15.192 min Scan# 2210
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

Tgt Ion:252 Resp: 700576
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 10.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 45.593 ng

RT: 15.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

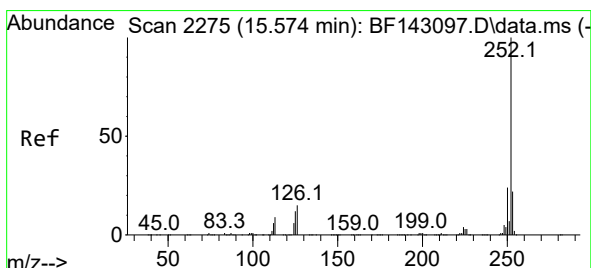
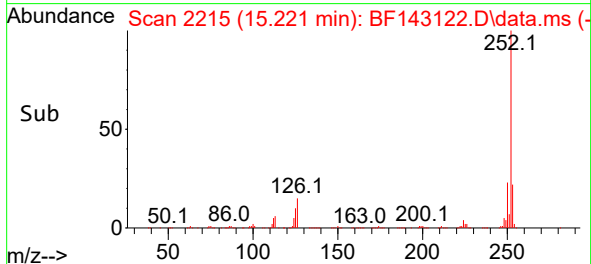
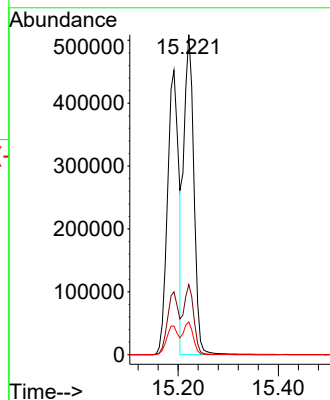
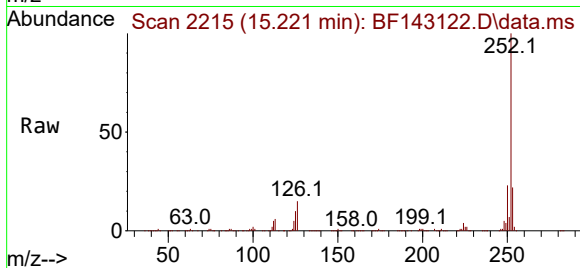
Tgt Ion:252 Resp: 711413

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 10.2 8.5 12.7



#90

Benzo(a)pyrene

Concen: 45.154 ng

RT: 15.574 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

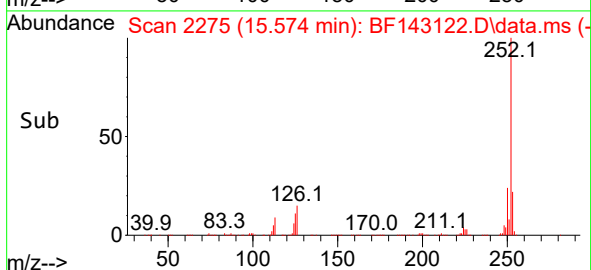
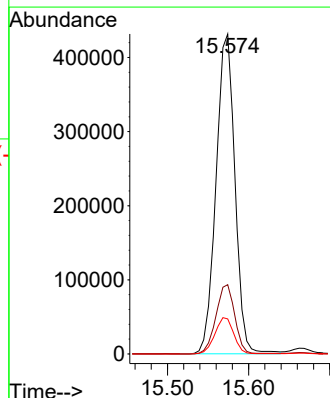
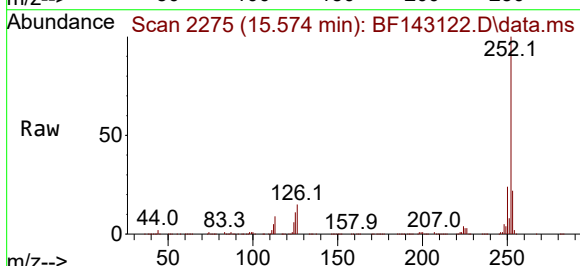
Tgt Ion:252 Resp: 698480

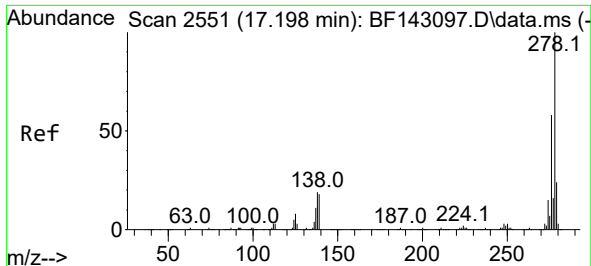
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

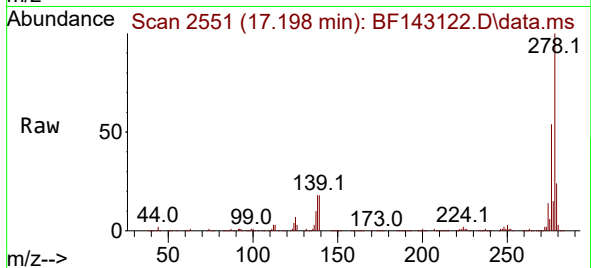
125 10.9 9.4 14.0



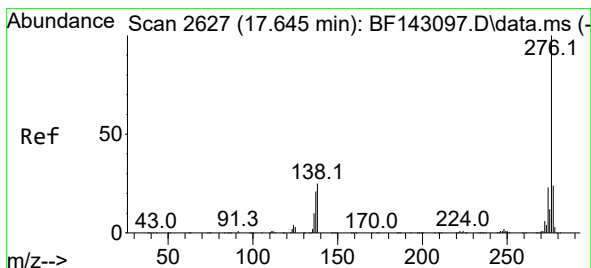
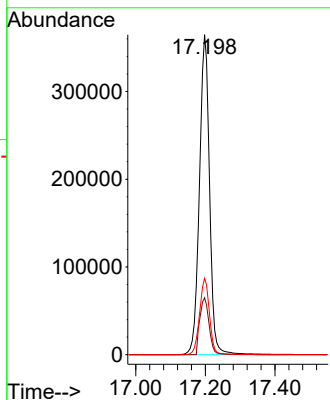
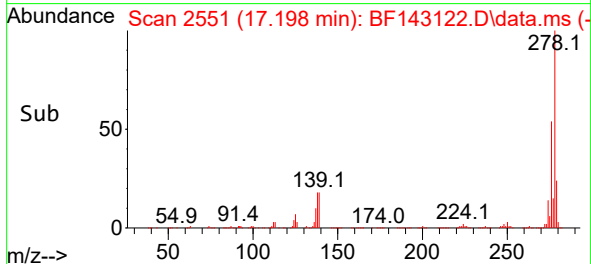


#91
Dibenzo(a,h)anthracene
Concen: 42.753 ng
RT: 17.198 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

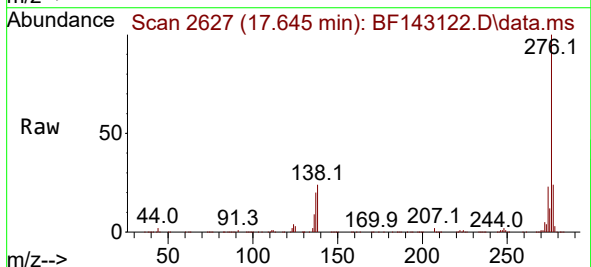
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:278 Resp: 737065
Ion Ratio Lower Upper
278 100
139 17.8 14.6 22.0
279 23.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 41.822 ng
RT: 17.645 min Scan# 2627
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



Tgt Ion:276 Resp: 735081
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 24.2 19.8 29.6

