

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138211.D
 Acq On : 17 Jun 2024 18:29
 Operator : CG\JU
 Sample : P2883-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMS

Quant Time: Jun 17 19:00:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	407656	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1630789	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	892654	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	1547026	20.000	ng	0.00
76) Chrysene-d12	14.051	240	802352	20.000	ng	0.00
86) Perylene-d12	15.521	264	872455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2538714	104.177	ng	0.01
7) Phenol-d6	6.522	99	3241064	104.885	ng	0.00
23) Nitrobenzene-d5	7.457	82	1975476	70.521	ng	0.00
42) 2,4,6-Tribromophenol	10.721	330	910704	102.481	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	3622270	64.526	ng	0.00
79) Terphenyl-d14	12.998	244	3831363	75.631	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.775	88	431925	38.730	ng	99
3) Pyridine	3.528	79	1119397	42.233	ng	100
4) n-Nitrosodimethylamine	3.487	42	573487	46.751	ng	96
6) Aniline	6.557	93	1137553	37.622	ng	98
8) 2-Chlorophenol	6.675	128	1256359	47.686	ng	95
9) Benzaldehyde	6.439	77	240089	14.629	ng	98
10) Phenol	6.539	94	1574311	50.202	ng	98
11) bis(2-Chloroethyl)ether	6.628	93	1169492	46.596	ng	97
12) 1,3-Dichlorobenzene	6.833	146	1259152	42.053	ng	98
13) 1,4-Dichlorobenzene	6.910	146	1284791	42.639	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1220659	43.153	ng	99
15) Benzyl Alcohol	7.033	79	1024040	49.149	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1629769	46.010	ng	99
17) 2-Methylphenol	7.145	107	990774	47.664	ng	99
18) Hexachloroethane	7.404	117	454155	44.489	ng	91
19) n-Nitroso-di-n-propyla...	7.310	70	845565	46.163	ng	99
20) 3+4-Methylphenols	7.298	107	1197154	45.757	ng	97
22) Acetophenone	7.304	105	1562886	41.952	ng	98
24) Nitrobenzene	7.475	77	1268543	43.815	ng	99
25) Isophorone	7.716	82	2315287	45.694	ng	99
26) 2-Nitrophenol	7.792	139	633924	54.451	ng	98
27) 2,4-Dimethylphenol	7.828	122	929692	52.490	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	1443068	45.497	ng	100
29) 2,4-Dichlorophenol	8.033	162	1040086	45.611	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	1115096	41.465	ng	99
31) Naphthalene	8.198	128	3348733	41.528	ng	99
32) Benzoic acid	7.957	122	768433	49.225	ng	99
33) 4-Chloroaniline	8.239	127	434516	14.417	ng	99
34) Hexachlorobutadiene	8.310	225	619846	39.410	ng	98
35) Caprolactam	8.616	113	212384	30.850	ng	96
36) 4-Chloro-3-methylphenol	8.722	107	1093315	48.154	ng	95
37) 2-Methylnaphthalene	8.886	142	2265572	42.809	ng	99
38) 1-Methylnaphthalene	8.986	142	2124321	40.961	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	1038498	39.812	ng	99
41) Hexachlorocyclopentadiene	9.039	237	1084129	127.462	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	763984	46.775	ng	100

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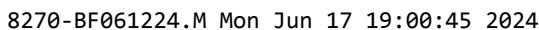
Instrument :
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 ClientSampleId :
 Soil/Gravel-SPMS

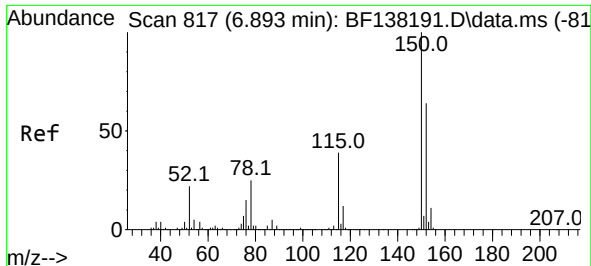
Quant Time: Jun 17 19:00:00 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	803137	44.776	ng	98
46) 1,1'-Biphenyl	9.351	154	2674695	40.834	ng	99
47) 2-Chloronaphthalene	9.375	162	2180031	42.113	ng	99
48) 2-Nitroaniline	9.475	65	644287	51.680	ng	90
49) Acenaphthylene	9.792	152	3308048	45.572	ng	98
50) Dimethylphthalate	9.657	163	2494473	45.608	ng	100
51) 2,6-Dinitrotoluene	9.716	165	581694	49.025	ng	89
52) Acenaphthene	9.963	154	2073929	41.899	ng	98
53) 3-Nitroaniline	9.880	138	430862	33.992	ng	99
54) 2,4-Dinitrophenol	9.986	184	551610	88.070	ng	98
55) Dibenzofuran	10.139	168	2985371	43.144	ng	99
56) 4-Nitrophenol	10.045	139	951185	94.958	ng	87
57) 2,4-Dinitrotoluene	10.116	165	768364	52.503	ng #	85
58) Fluorene	10.480	166	2260757	41.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	655779	46.781	ng	97
60) Diethylphthalate	10.351	149	2436318	46.934	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	1146819	42.325	ng	98
62) 4-Nitroaniline	10.498	138	568671	44.902	ng	100
63) Azobenzene	10.627	77	2420717	46.548	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	385027	48.721	ng	92
66) n-Nitrosodiphenylamine	10.592	169	2096253	44.260	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	768683	44.095	ng #	89
68) Hexachlorobenzene	11.021	284	855200	42.038	ng	98
69) Atrazine	11.116	200	684601	50.748	ng	98
70) Pentachlorophenol	11.216	266	1001017	84.371	ng	98
71) Phenanthrene	11.439	178	3281220	42.888	ng	98
72) Anthracene	11.492	178	3354220	44.158	ng	98
73) Carbazole	11.645	167	2904698	41.693	ng	99
74) Di-n-butylphthalate	11.974	149	3550726	49.230	ng	99
75) Fluoranthene	12.627	202	3246361	41.612	ng	99
77) Benzidine	12.751	184	954014	102.797	ng	98
78) Pyrene	12.857	202	3224091	46.586	ng	99
80) Butylbenzylphthalate	13.474	149	1286063	68.317	ng	98
81) Benzo(a)anthracene	14.039	228	2383179	46.298	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	630852	44.504	ng	99
83) Chrysene	14.074	228	2318587	47.256	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1674852	76.496	ng	99
85) Di-n-octyl phthalate	14.645	149	2482189	76.312	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	2580230	45.366	ng	99
88) Benzo(b)fluoranthene	15.092	252	2341140	45.503	ng	99
89) Benzo(k)fluoranthene	15.121	252	2252598	44.675	ng	99
90) Benzo(a)pyrene	15.462	252	2165600	48.995	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	2074349	44.434	ng	99
92) Benzo(g,h,i)perylene	17.450	276	1960561	40.595	ng	97

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

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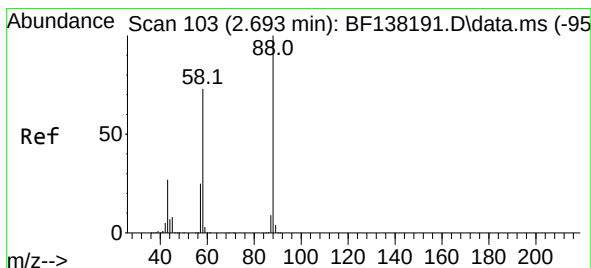
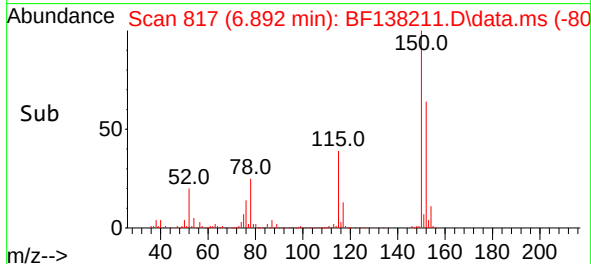
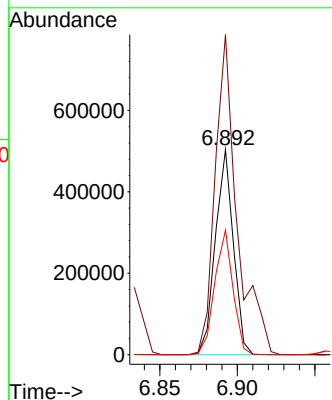
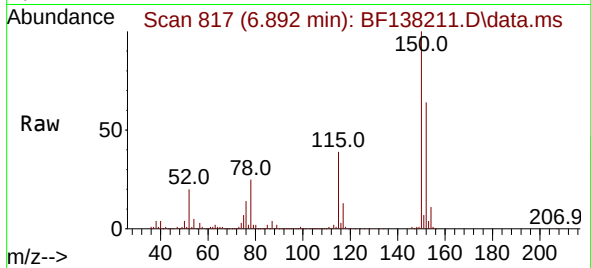




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29

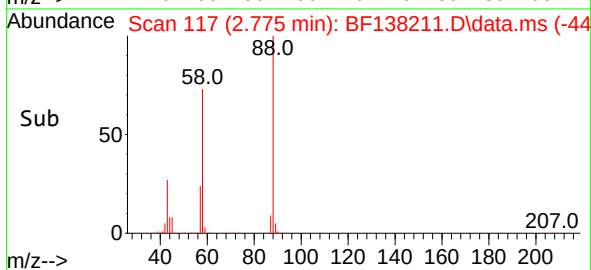
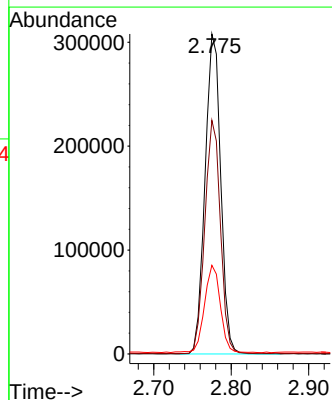
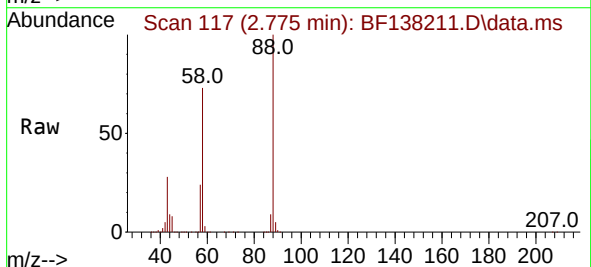
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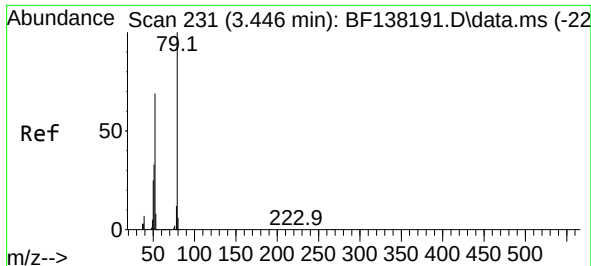
Tgt Ion:152 Resp: 407656
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.0 187.4
 115 60.6 48.4 72.6



#2
 1,4-Dioxane
 Concen: 38.730 ng
 RT: 2.775 min Scan# 117
 Delta R.T. 0.082 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29

Tgt Ion: 88 Resp: 431925
 Ion Ratio Lower Upper
 88 100
 58 72.4 58.6 87.8
 43 27.8 22.4 33.6





#3

Pyridine

Concen: 42.233 ng

RT: 3.528 min Scan# 245

Delta R.T. 0.082 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

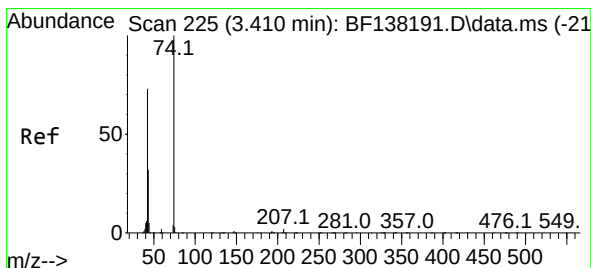
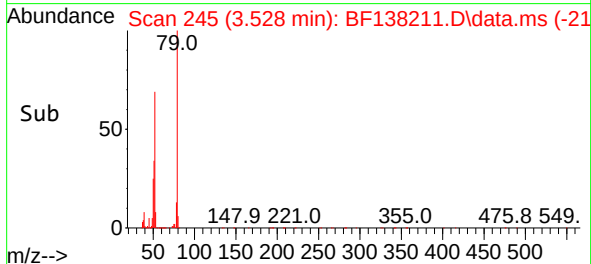
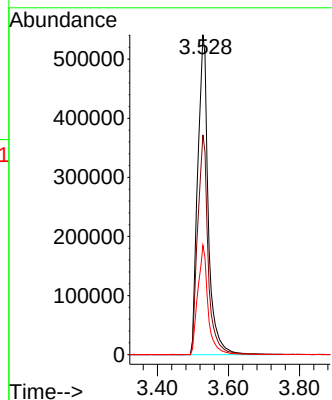
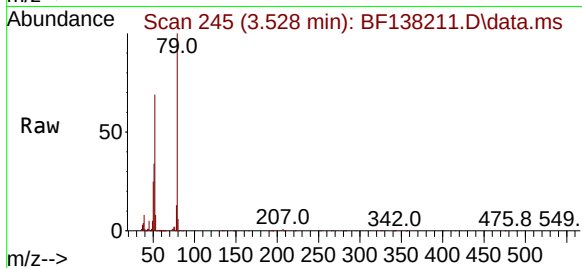
BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion: 79 Resp: 1119397

Ion	Ratio	Lower	Upper
79	100		
52	68.7	55.0	82.4
51	34.2	26.9	40.3



#4

n-Nitrosodimethylamine

Concen: 46.751 ng

RT: 3.487 min Scan# 238

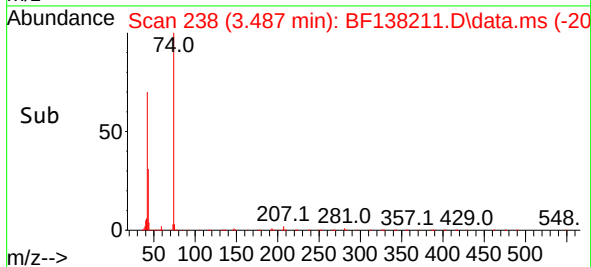
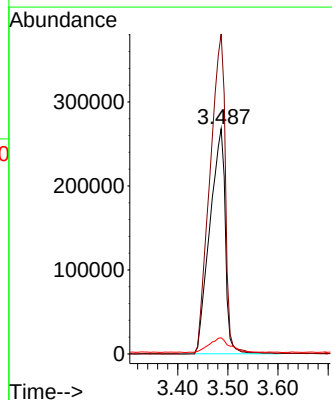
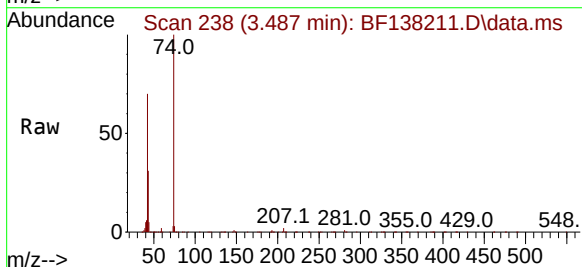
Delta R.T. 0.076 min

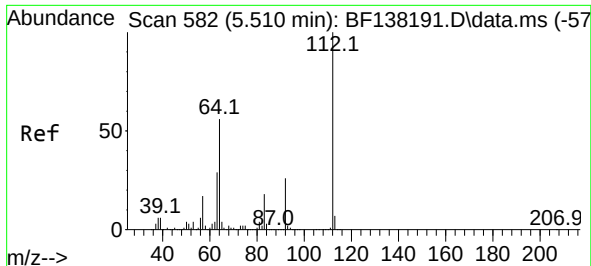
Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Tgt Ion: 42 Resp: 573487

Ion	Ratio	Lower	Upper
42	100		
74	142.1	109.9	164.9
44	7.2	5.2	7.8

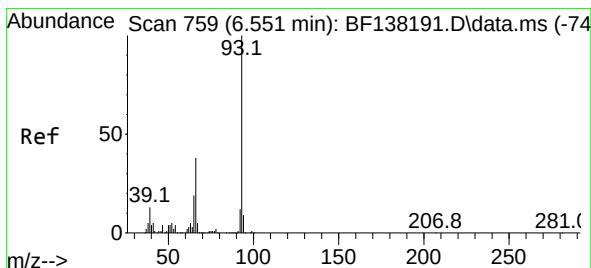
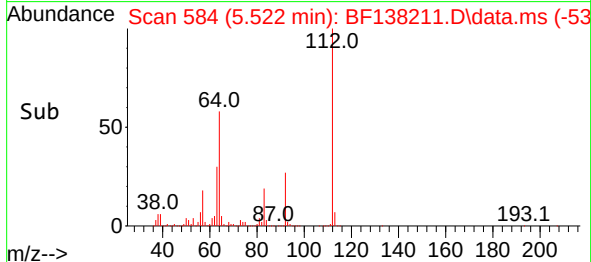
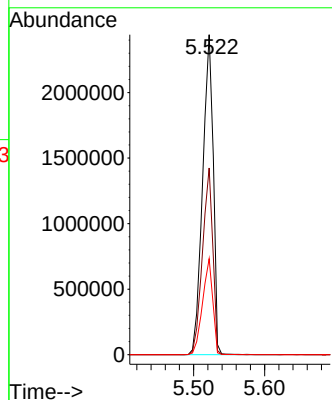
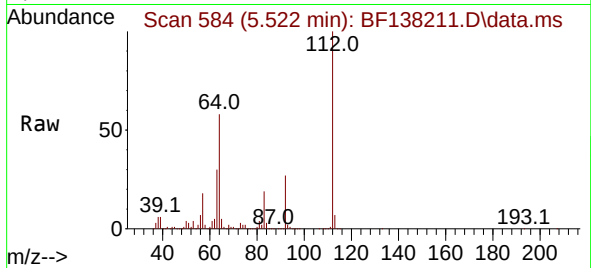




#5
2-Fluorophenol
Concen: 104.177 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

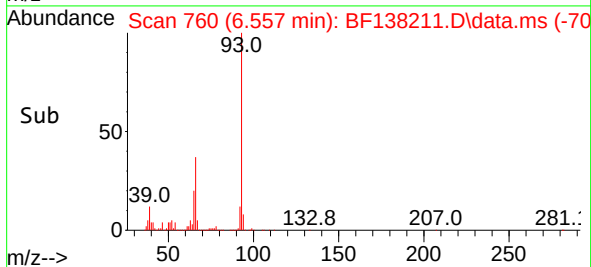
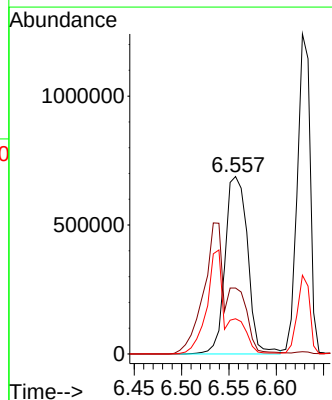
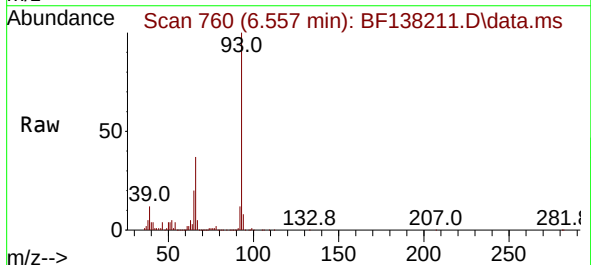
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

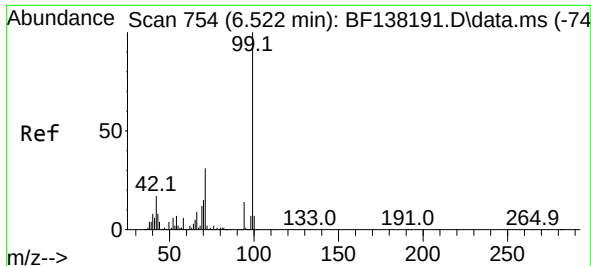
Tgt Ion:112 Resp: 2538714
Ion Ratio Lower Upper
112 100
64 58.3 45.2 67.8
63 30.0 22.9 34.3



#6
Aniline
Concen: 37.622 ng
RT: 6.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion: 93 Resp: 1137553
Ion Ratio Lower Upper
93 100
66 37.2 30.8 46.2
65 19.8 15.5 23.3

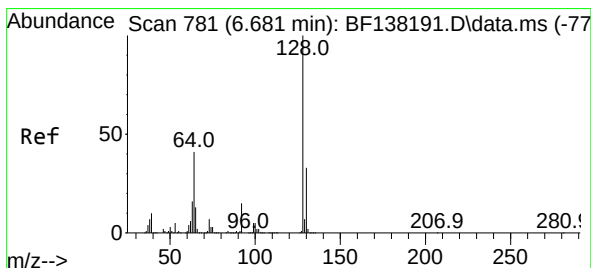
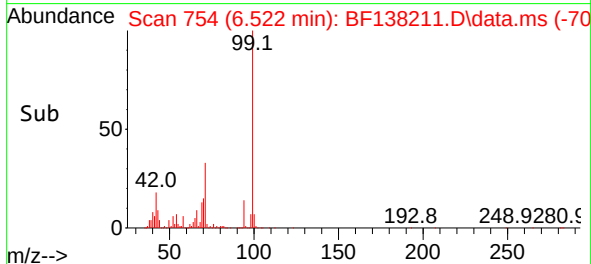
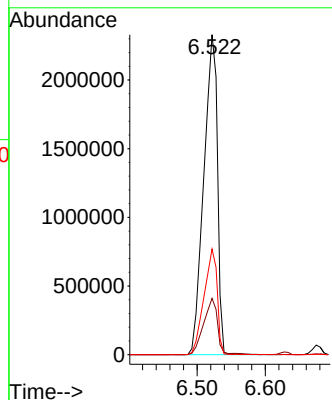
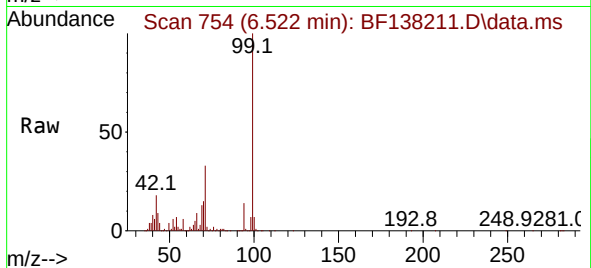




#7
Phenol-d6
Concen: 104.885 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

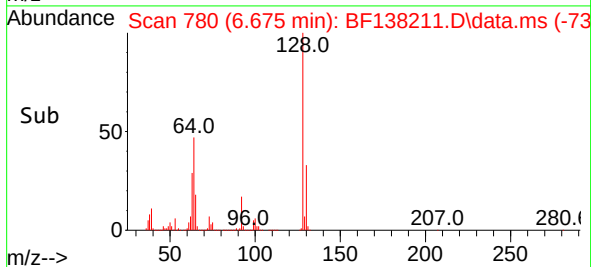
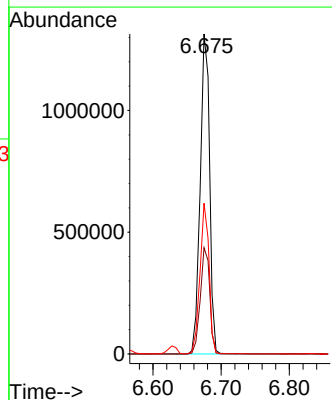
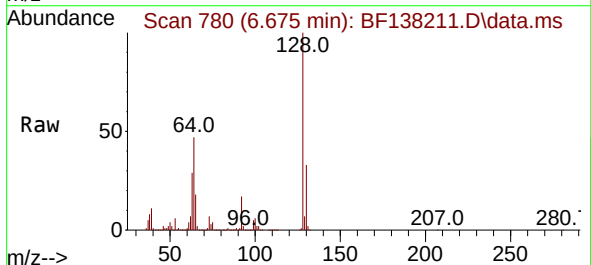
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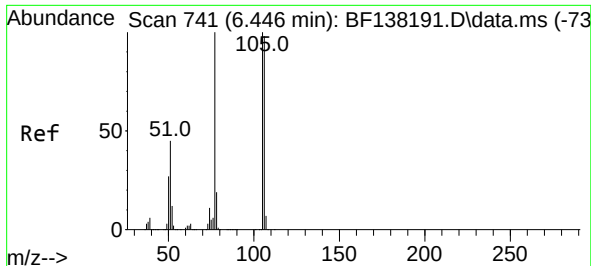
Tgt Ion: 99 Resp: 3241064
Ion Ratio Lower Upper
99 100
42 17.6 13.7 20.5
71 33.0 25.0 37.6



#8
2-Chlorophenol
Concen: 47.686 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:128 Resp: 1256359
Ion Ratio Lower Upper
128 100
130 33.2 13.1 53.1
64 47.1 21.8 61.8

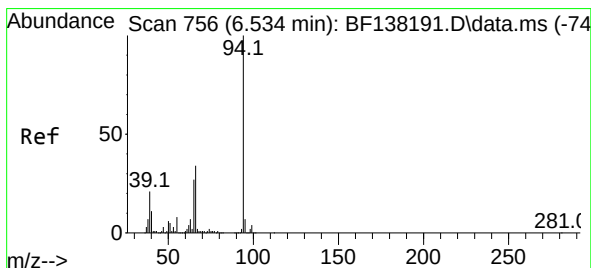
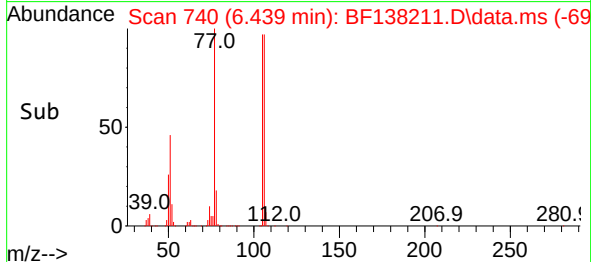
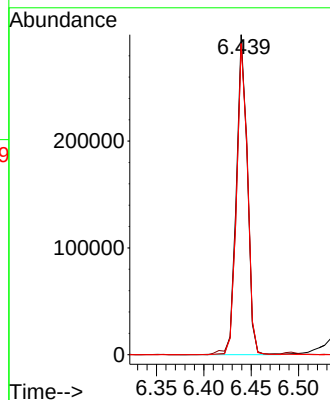
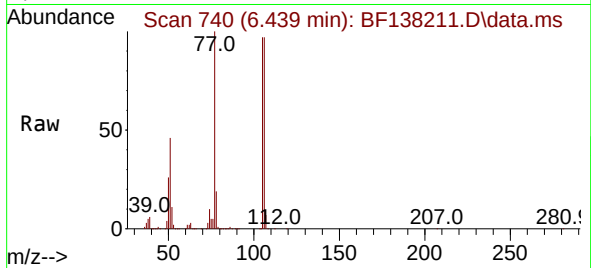




#9
Benzaldehyde
Concen: 14.629 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.007 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

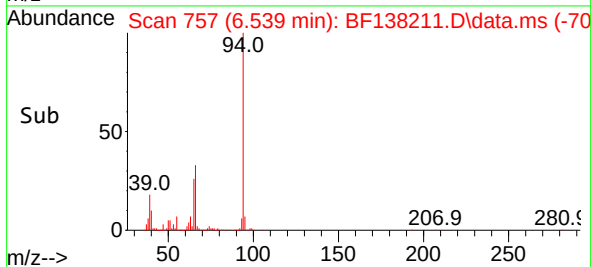
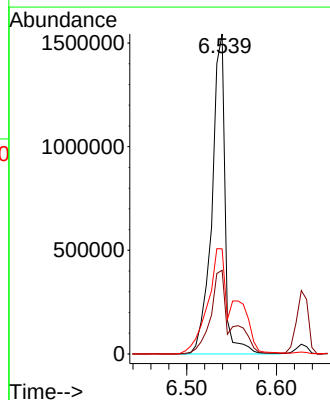
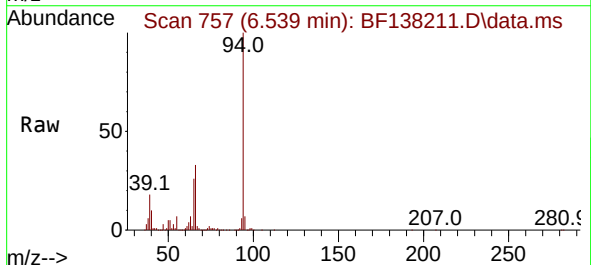
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

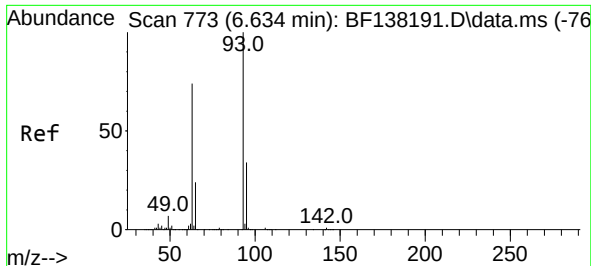
Tgt Ion: 77 Resp: 240089
Ion Ratio Lower Upper
77 100
105 97.4 80.1 120.1
106 97.1 77.8 117.8



#10
Phenol
Concen: 50.202 ng
RT: 6.539 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion: 94 Resp: 1574311
Ion Ratio Lower Upper
94 100
65 26.1 6.8 46.8
66 32.9 14.2 54.2

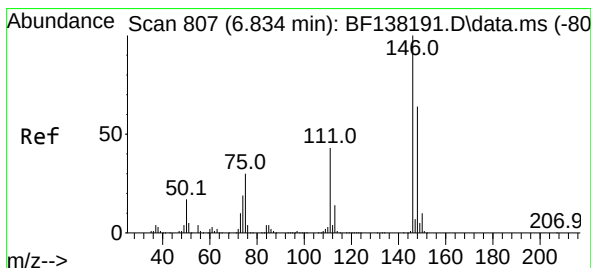
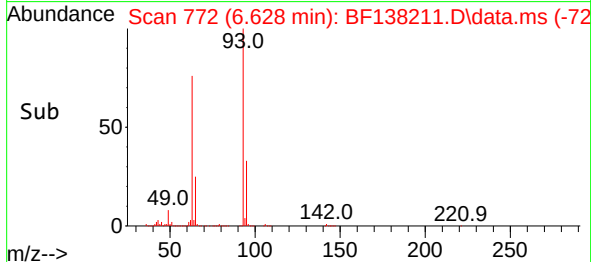
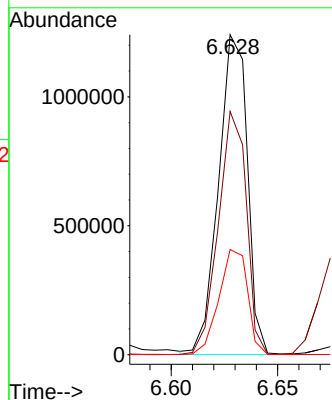
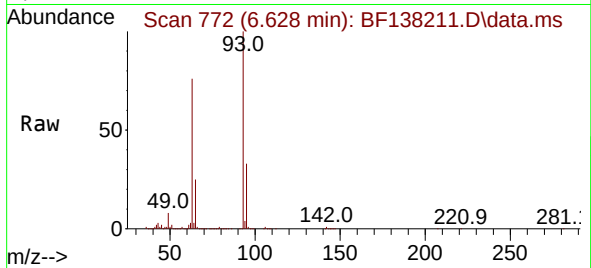




#11
bis(2-Chloroethyl)ether
Concen: 46.596 ng
RT: 6.628 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

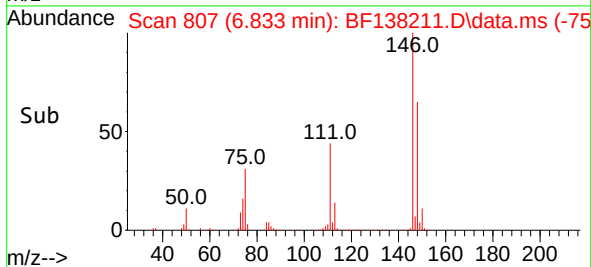
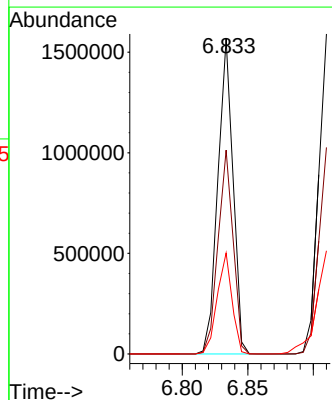
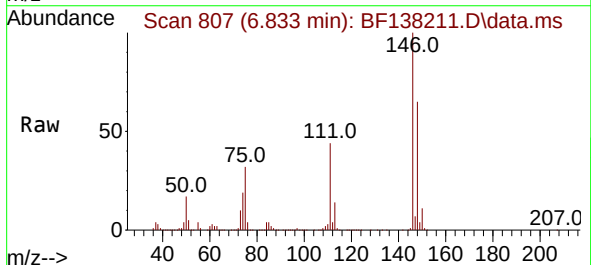
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

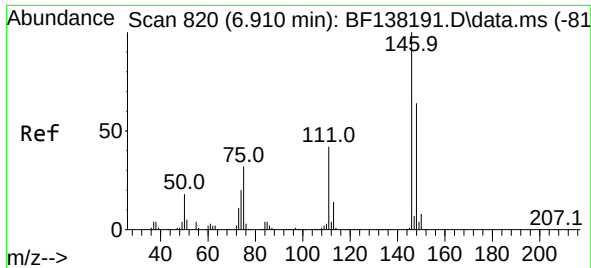
Tgt Ion: 93 Resp: 1169492
Ion Ratio Lower Upper
93 100
63 76.0 52.5 92.5
95 32.9 13.2 53.2



#12
1,3-Dichlorobenzene
Concen: 42.053 ng
RT: 6.833 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:146 Resp: 1259152
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
75 32.0 24.3 36.5

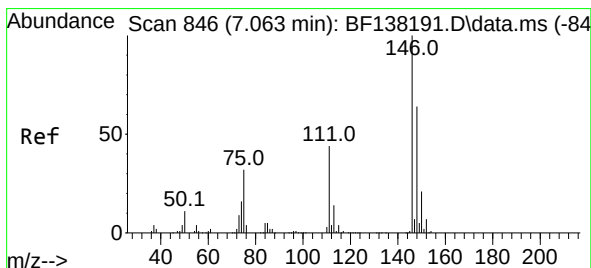
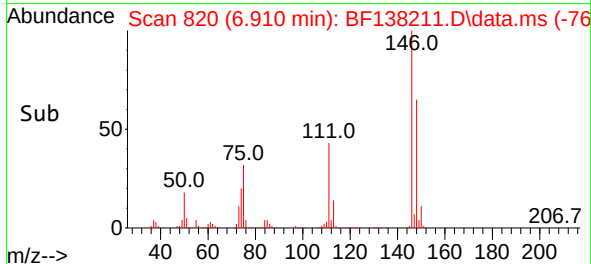
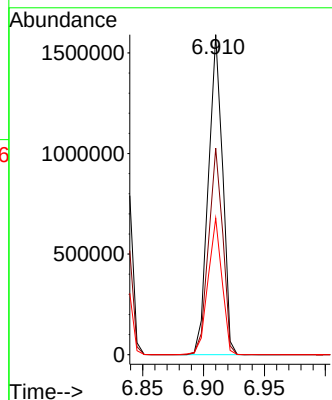
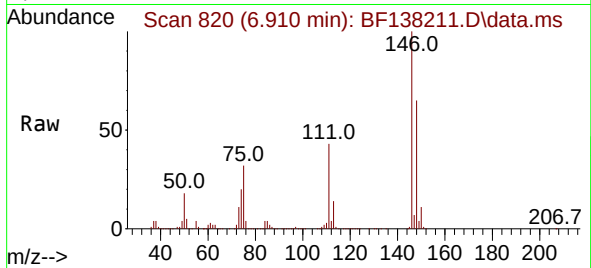




#13
1,4-Dichlorobenzene
Concen: 42.639 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

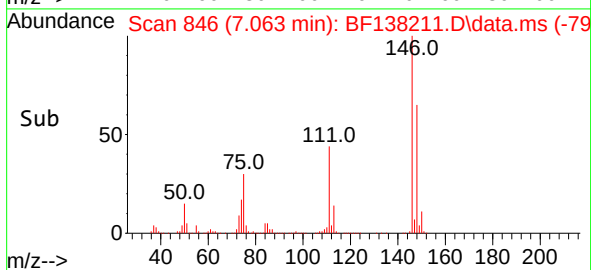
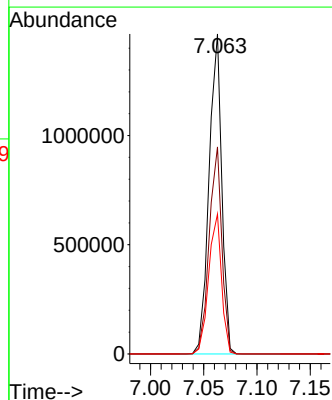
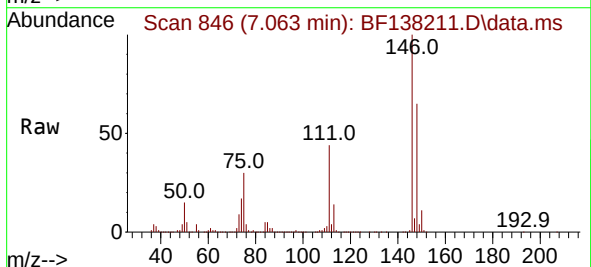
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

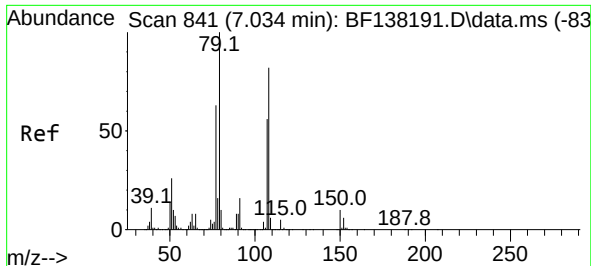
Tgt Ion:146 Resp: 1284791
Ion Ratio Lower Upper
146 100
148 64.6 51.1 76.7
111 42.6 33.7 50.5



#14
1,2-Dichlorobenzene
Concen: 43.153 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:146 Resp: 1220659
Ion Ratio Lower Upper
146 100
148 64.7 51.2 76.8
111 43.7 35.4 53.2

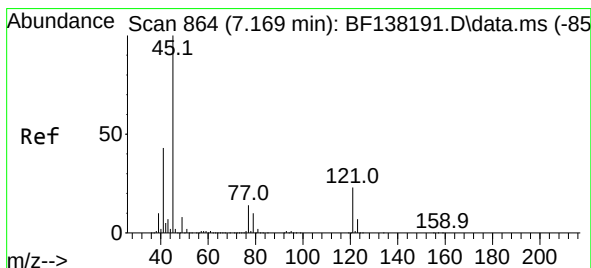
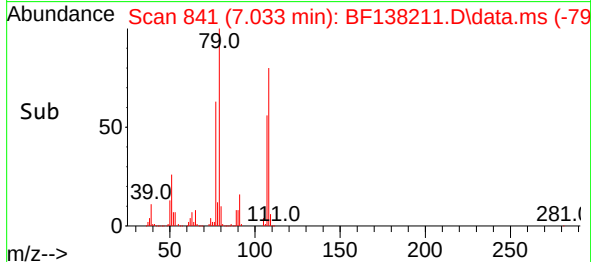
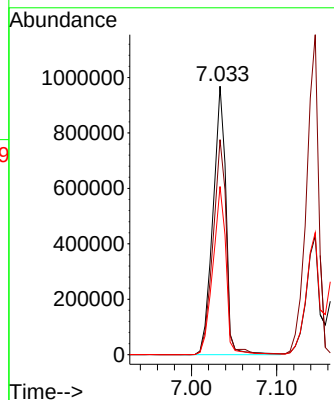
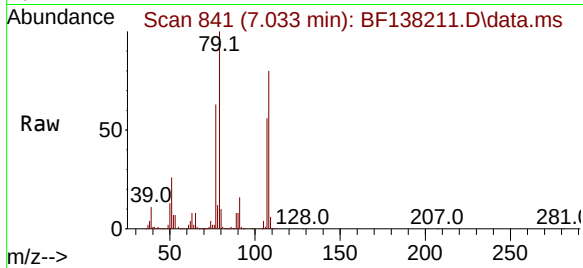




#15
Benzyl Alcohol
Concen: 49.149 ng
RT: 7.033 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

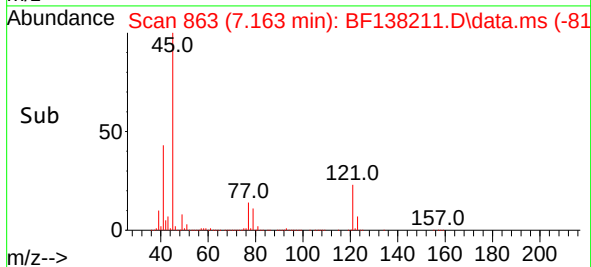
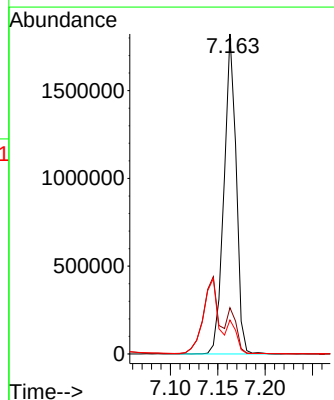
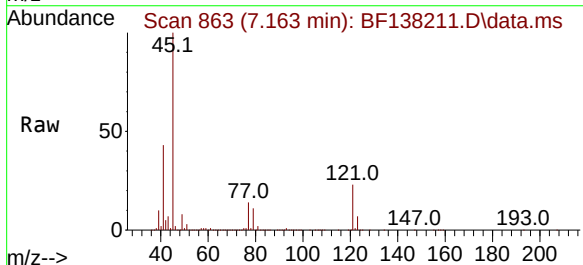
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

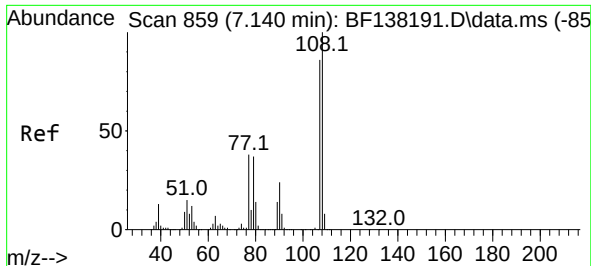
Tgt Ion: 79 Resp: 1024040
Ion Ratio Lower Upper
79 100
108 80.1 65.9 98.9
77 62.6 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.010 ng
RT: 7.163 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

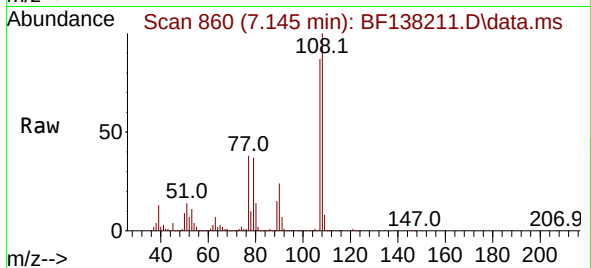
Tgt Ion: 45 Resp: 1629769
Ion Ratio Lower Upper
45 100
77 14.5 0.0 33.9
79 10.6 0.0 30.7



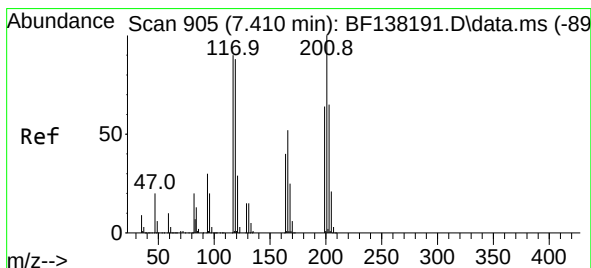
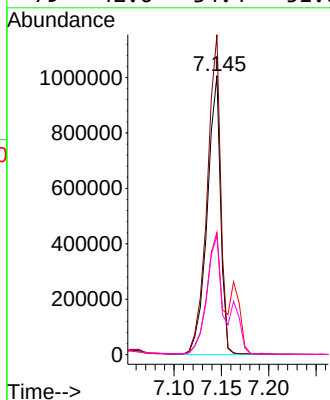
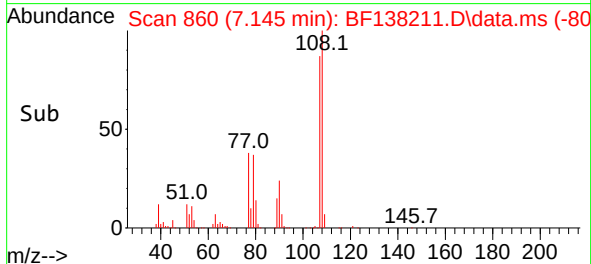


#17
2-Methylphenol
Concen: 47.664 ng
RT: 7.145 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

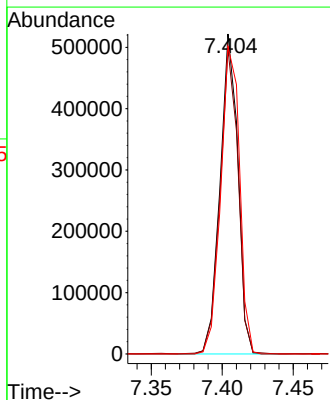
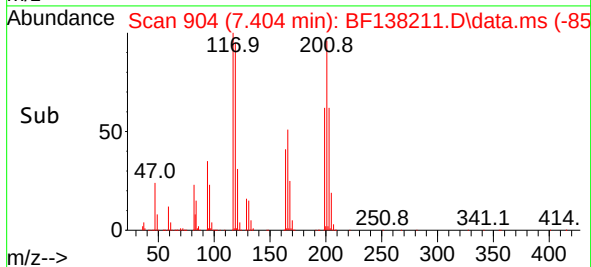
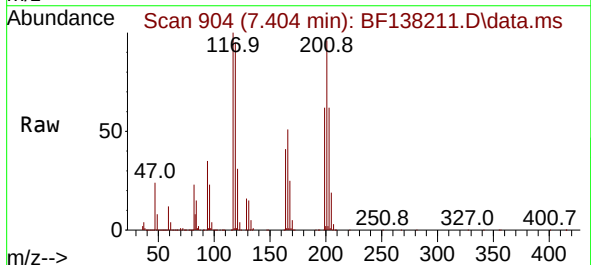


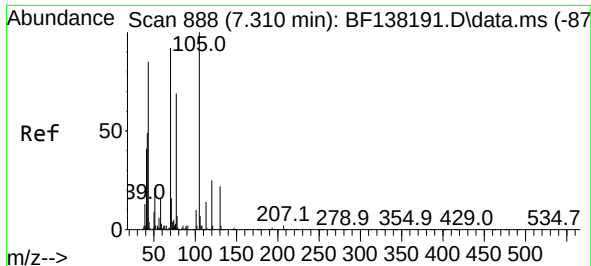
Tgt Ion:	107	Resp:	990774
Ion	Ratio	Lower	Upper
107	100		
108	114.7	92.7	139.1
77	43.7	35.7	53.5
79	42.6	34.4	51.6



#18
Hexachloroethane
Concen: 44.489 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:	117	Resp:	454155
Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.4	117.6
201	96.2	89.0	133.6

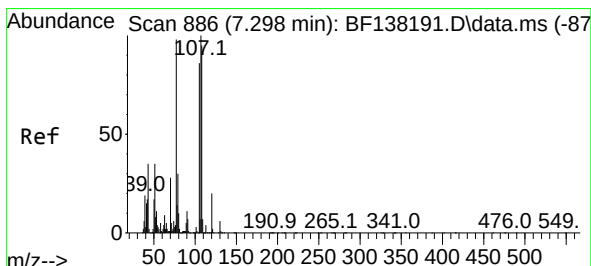
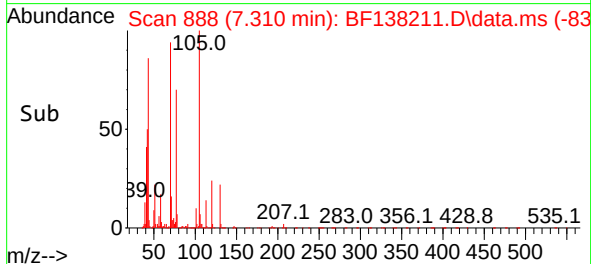
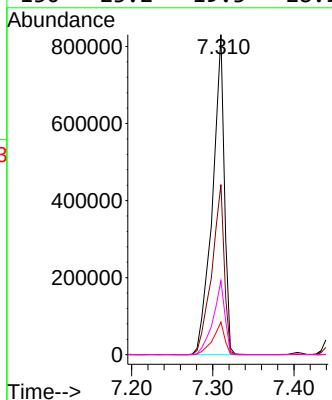
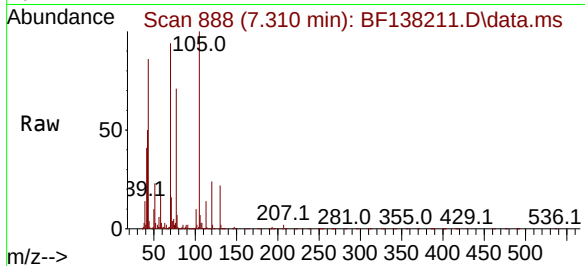




#19
n-Nitroso-di-n-propylamine
Concen: 46.163 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

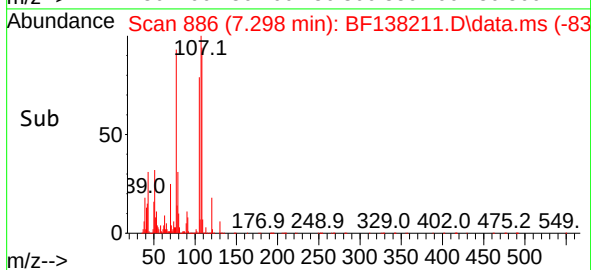
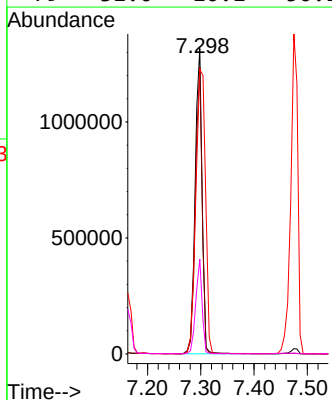
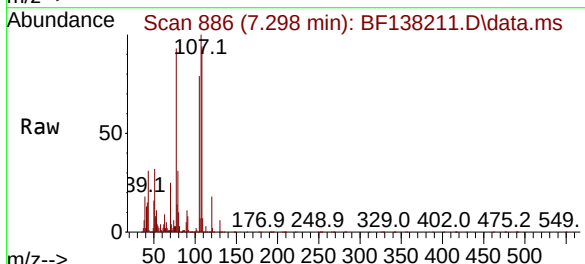
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

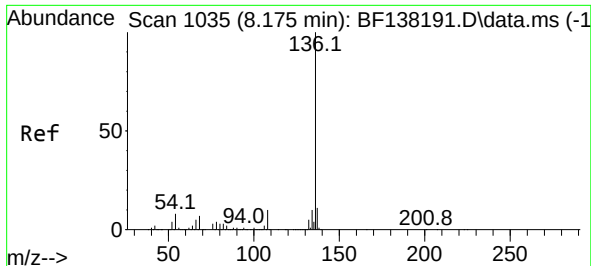
Tgt Ion:	70	Resp:	845565
Ion	Ratio	Lower	Upper
70	100		
42	53.2	42.8	64.2
101	10.2	8.4	12.6
130	23.2	19.3	28.9



#20
3+4-Methylphenols
Concen: 45.757 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:	107	Resp:	1197154
Ion	Ratio	Lower	Upper
107	100		
108	93.7	74.9	114.9
77	93.1	78.2	118.2
79	31.0	10.1	50.1

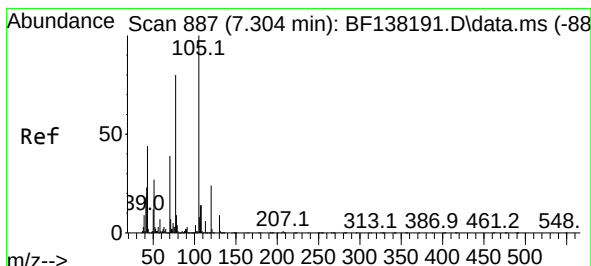
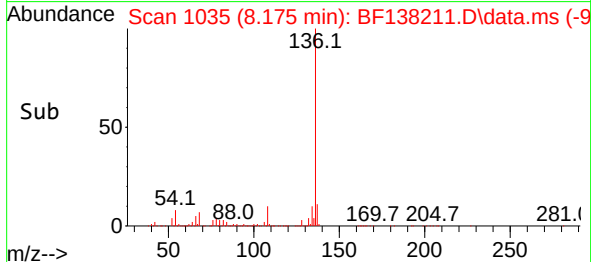
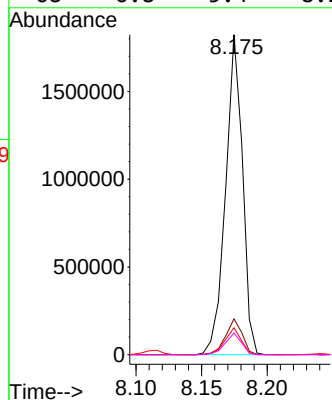
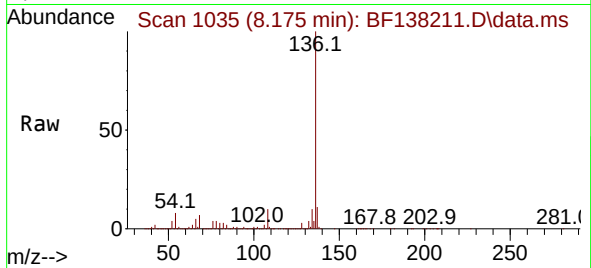




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

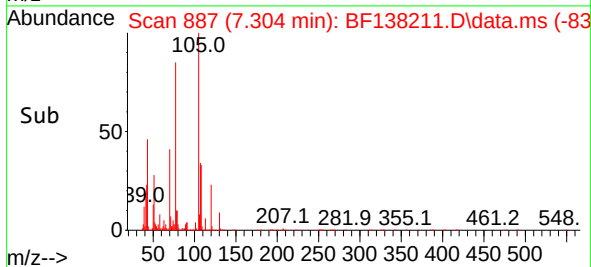
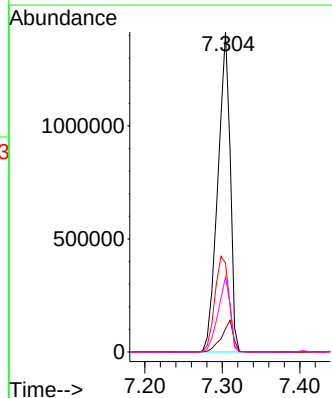
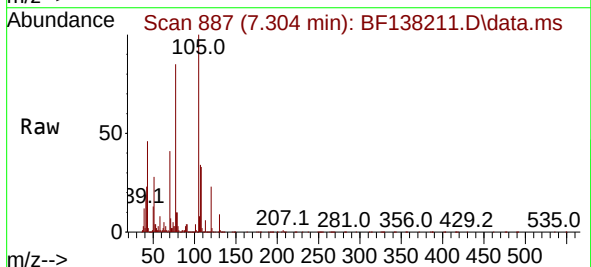
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

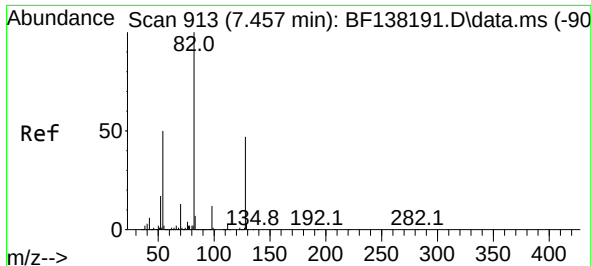
Tgt Ion:136 Resp: 1630789
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.4 6.6 10.0
68 6.8 5.4 8.2



#22
Acetophenone
Concen: 41.952 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:105 Resp: 1562886
Ion Ratio Lower Upper
105 100
71 7.3 5.4 8.2
51 27.9 21.4 32.0
120 23.4 19.4 29.2





#23

Nitrobenzene-d5

Concen: 70.521 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

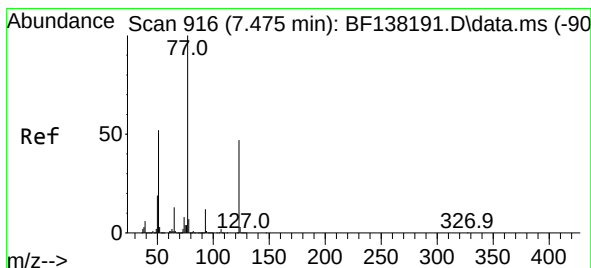
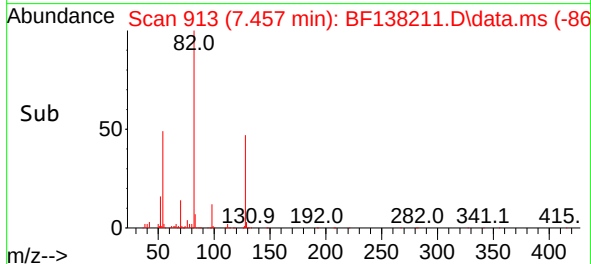
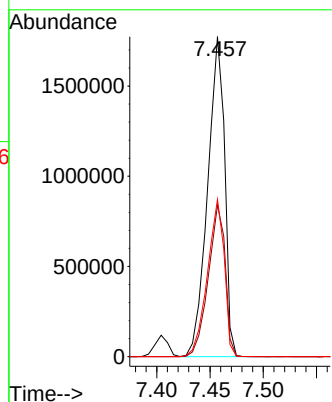
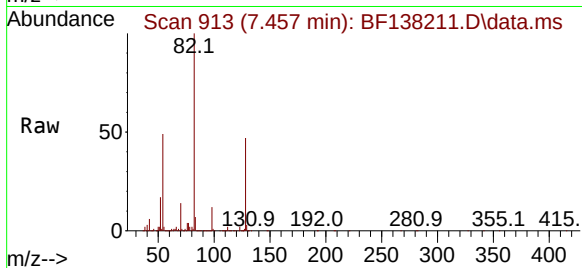
BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion: 82 Resp: 1975476

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.2	55.8
54	49.2	39.8	59.6



#24

Nitrobenzene

Concen: 43.815 ng

RT: 7.475 min Scan# 916

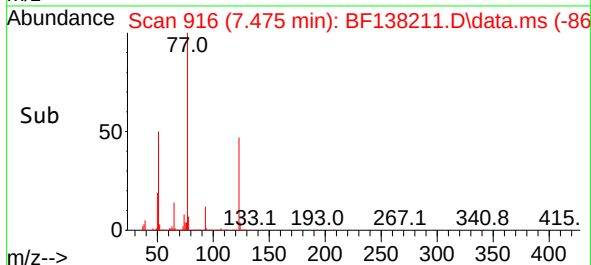
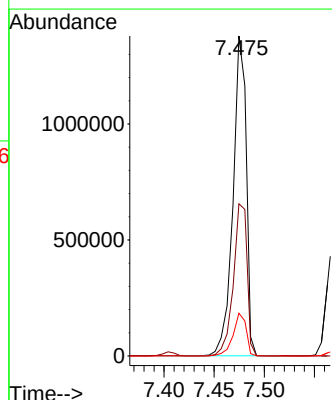
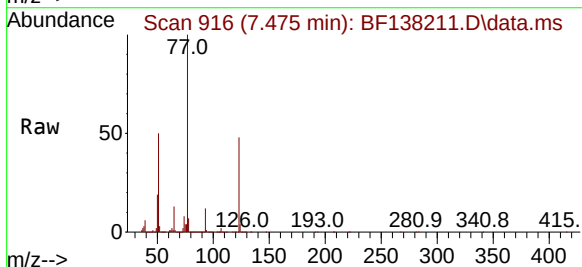
Delta R.T. -0.000 min

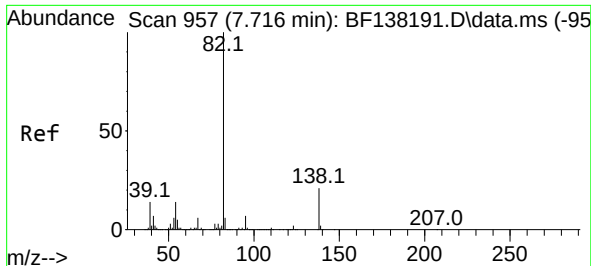
Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Tgt Ion: 77 Resp: 1268543

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	13.4	10.6	15.8

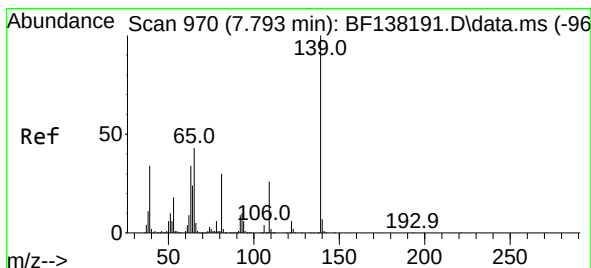
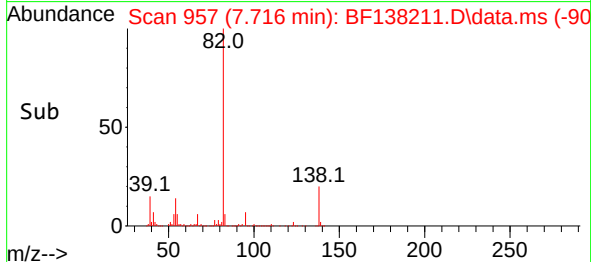
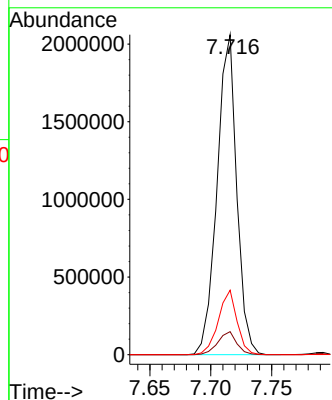
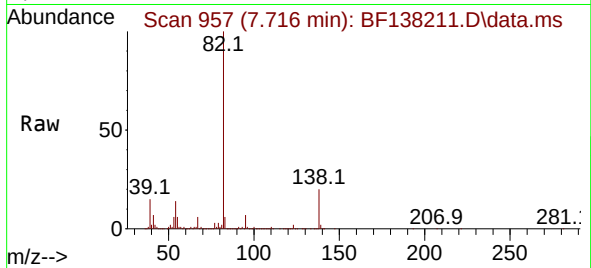




#25
Isophorone
Concen: 45.694 ng
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

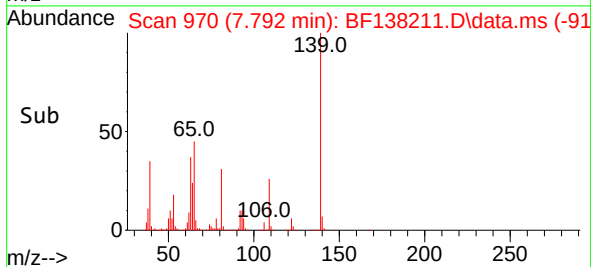
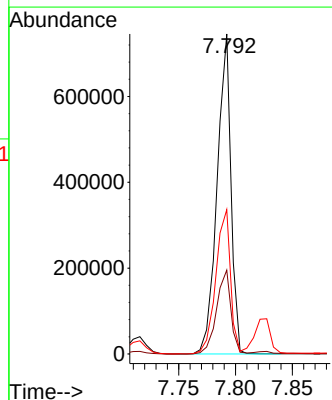
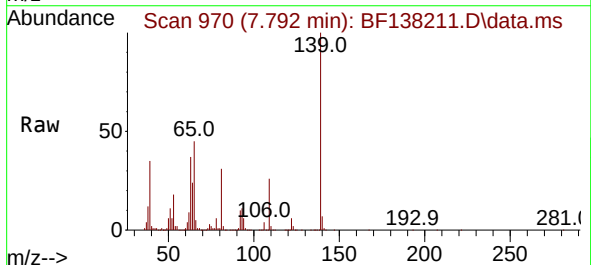
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

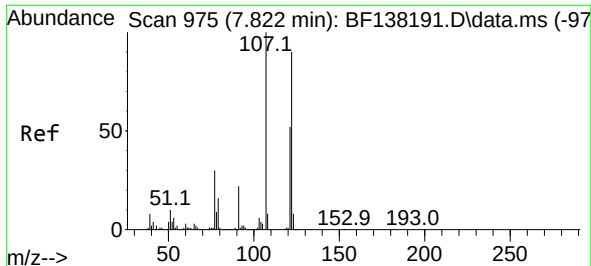
Tgt Ion: 82 Resp: 2315287
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 20.2 16.4 24.6



#26
2-Nitrophenol
Concen: 54.451 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.001 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion: 139 Resp: 633924
Ion Ratio Lower Upper
139 100
109 26.2 20.7 31.1
65 45.1 34.5 51.7





#27

2,4-Dimethylphenol

Concen: 52.490 ng

RT: 7.828 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

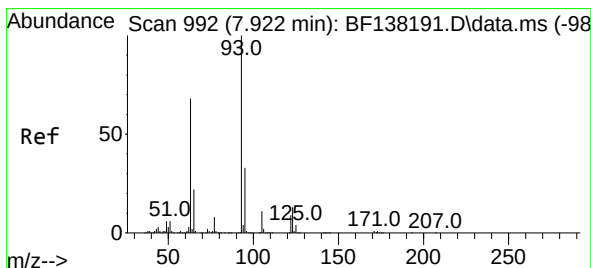
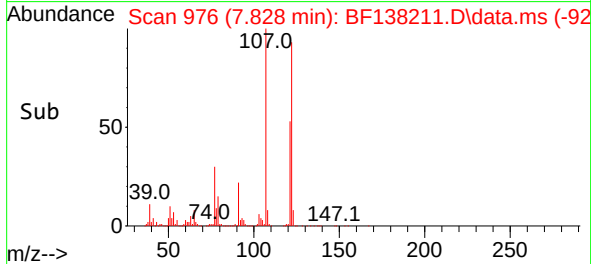
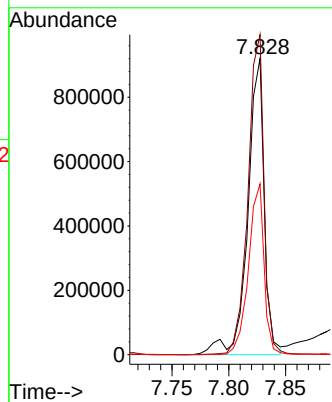
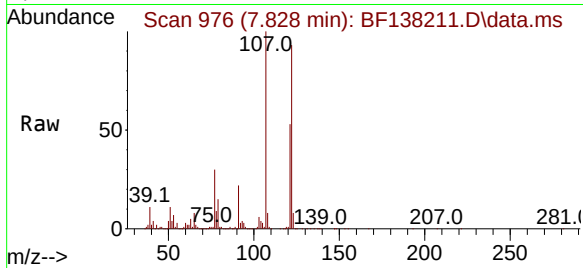
Tgt Ion:122 Resp: 929692

Ion Ratio Lower Upper

122 100

107 108.0 87.7 131.5

121 57.7 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 45.497 ng

RT: 7.928 min Scan# 993

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

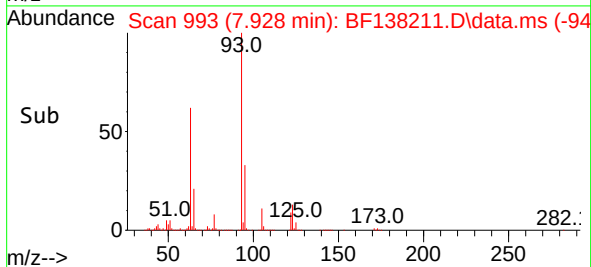
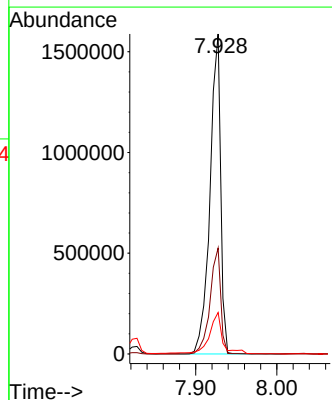
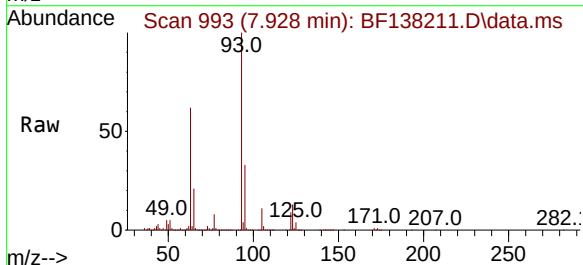
Tgt Ion: 93 Resp: 1443068

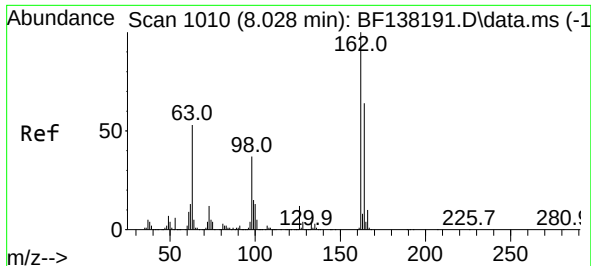
Ion Ratio Lower Upper

93 100

95 33.1 26.6 39.8

123 12.9 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 45.611 ng

RT: 8.033 min Scan# 1011

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

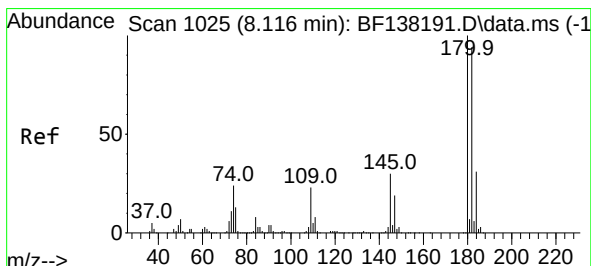
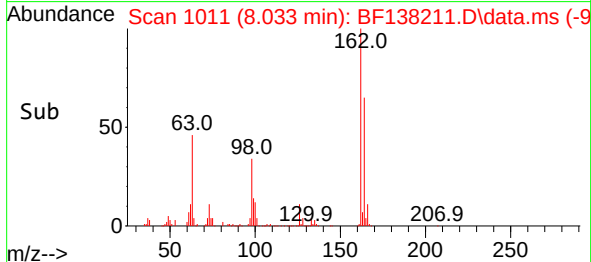
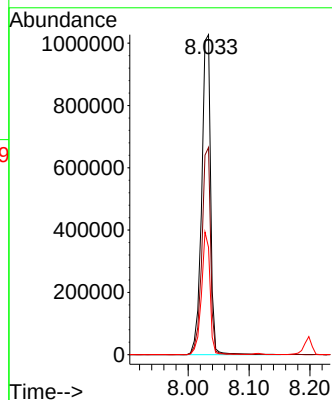
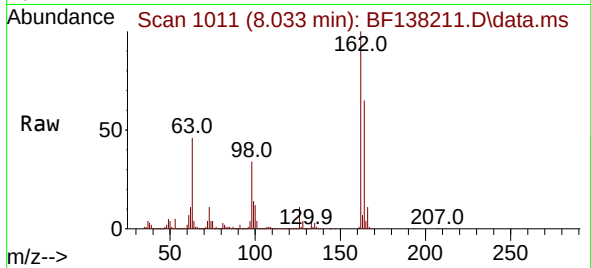
Tgt Ion:162 Resp: 1040086

Ion Ratio Lower Upper

162 100

164 64.8 44.3 84.3

98 33.6 16.5 56.5



#30

1,2,4-Trichlorobenzene

Concen: 41.465 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

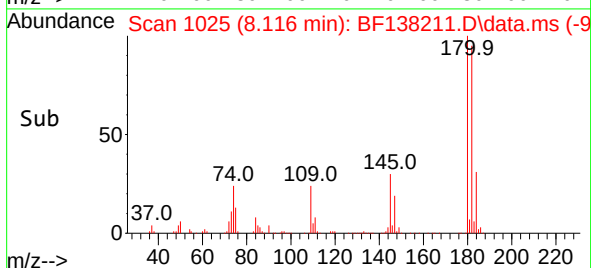
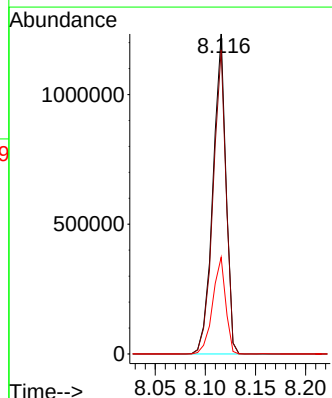
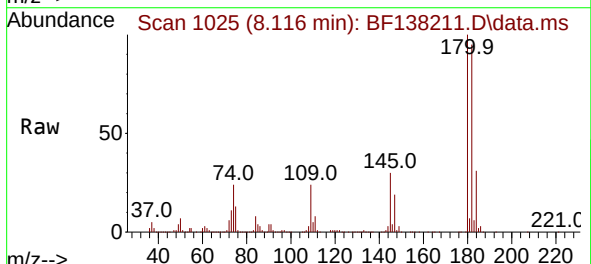
Tgt Ion:180 Resp: 1115096

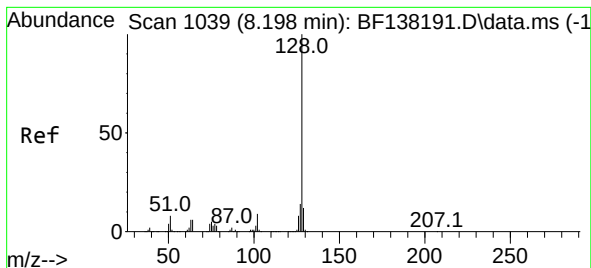
Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.6

145 30.2 23.8 35.6

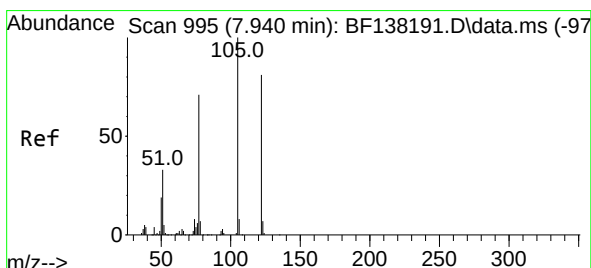
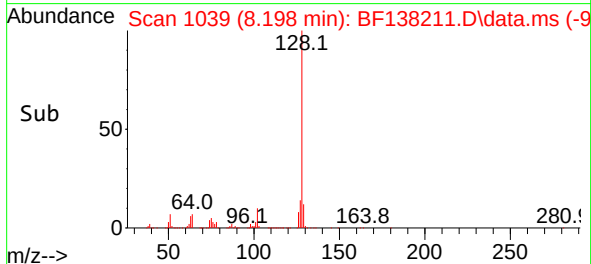
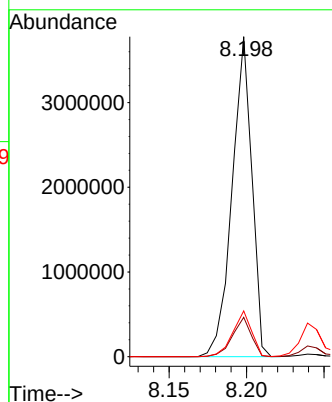
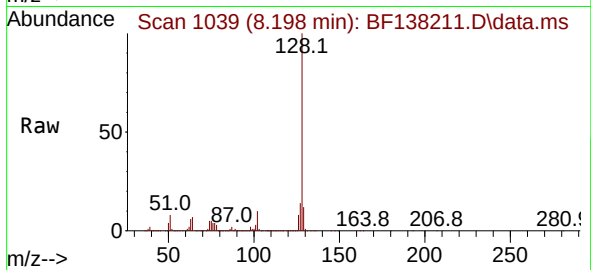




#31
Naphthalene
Concen: 41.528 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

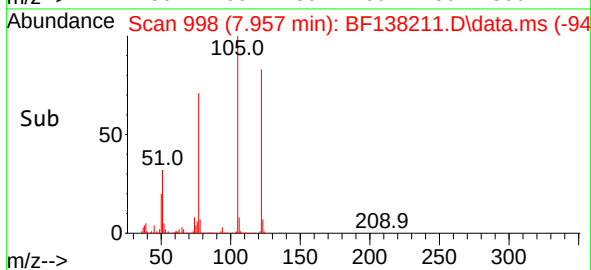
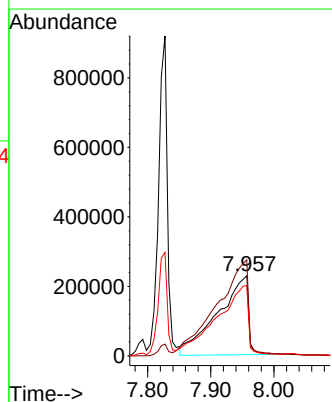
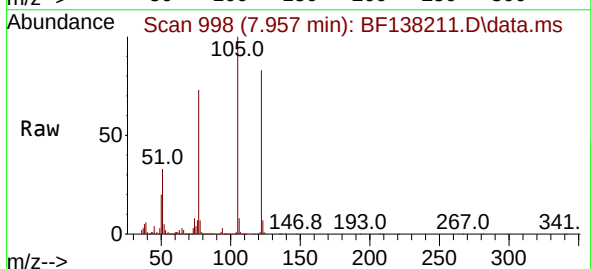
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

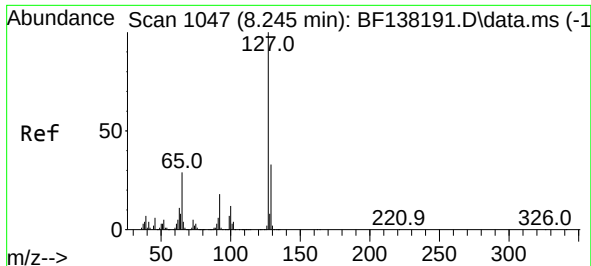
Tgt Ion:128 Resp: 3348733
Ion Ratio Lower Upper
128 100
129 12.3 9.5 14.3
127 14.3 11.0 16.6



#32
Benzoic acid
Concen: 49.225 ng
RT: 7.957 min Scan# 998
Delta R.T. 0.017 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:122 Resp: 768433
Ion Ratio Lower Upper
122 100
105 120.0 100.1 140.1
77 87.8 66.5 106.5

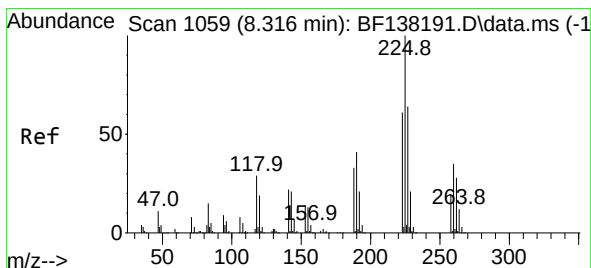
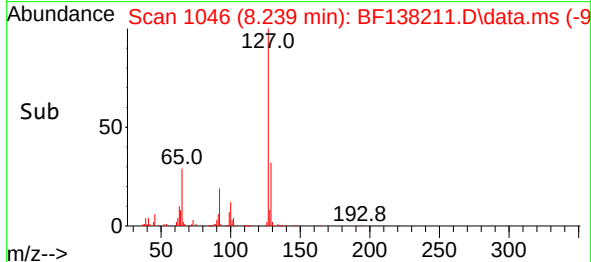
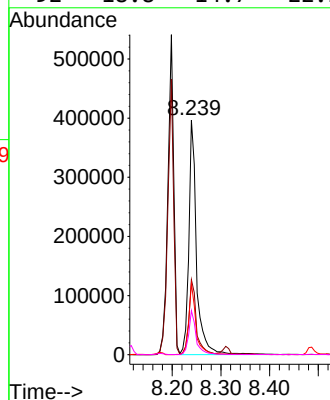
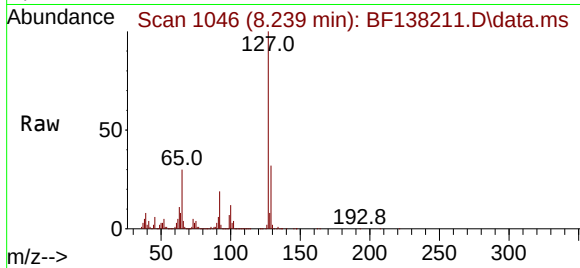




#33
4-Chloroaniline
Concen: 14.417 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

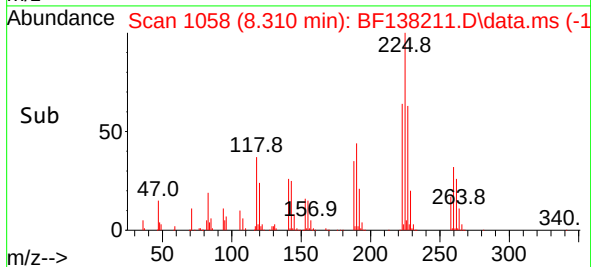
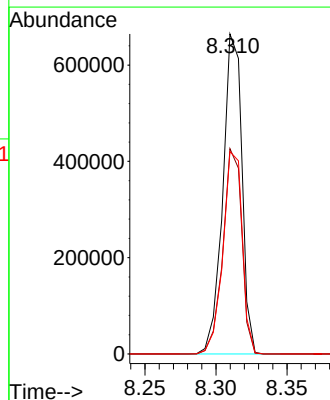
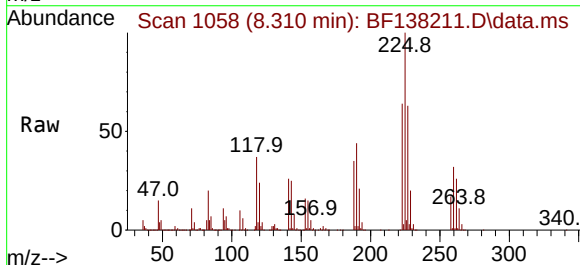
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

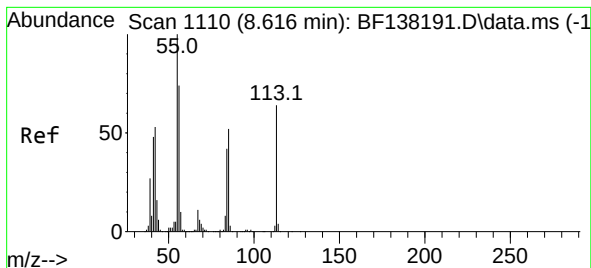
Tgt Ion:	127	Resp:	434516
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	30.4	23.6	35.4
92	18.8	14.7	22.1



#34
Hexachlorobutadiene
Concen: 39.410 ng
RT: 8.310 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:	225	Resp:	619846
Ion	Ratio	Lower	Upper
225	100		
223	64.2	49.0	73.6
227	63.3	51.2	76.8





#35

Caprolactam

Concen: 30.850 ng

RT: 8.616 min Scan# 1110

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

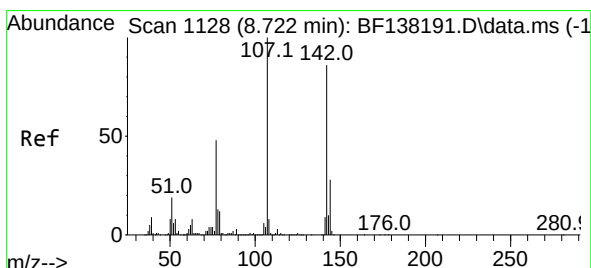
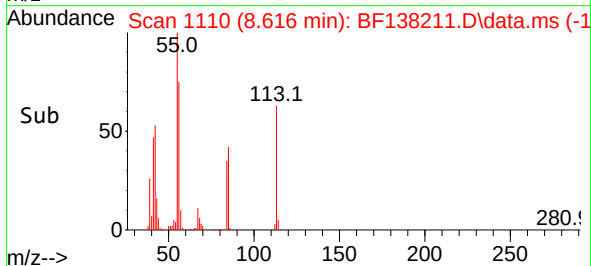
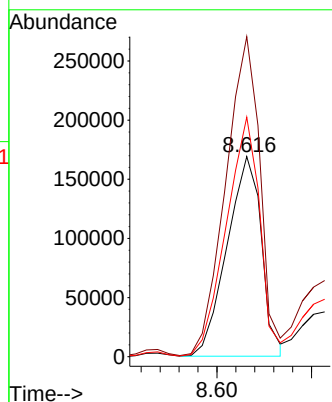
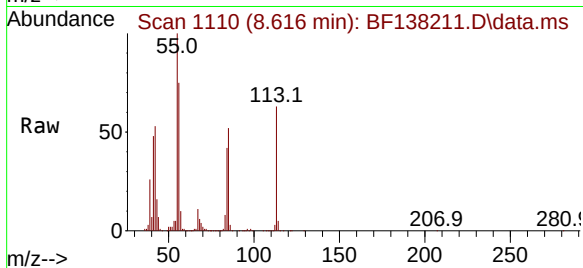
Tgt Ion:113 Resp: 212384

Ion Ratio Lower Upper

113 100

55 159.9 135.4 175.4

56 119.7 95.5 135.5



#36

4-Chloro-3-methylphenol

Concen: 48.154 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

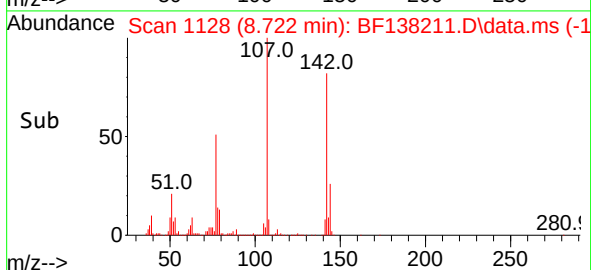
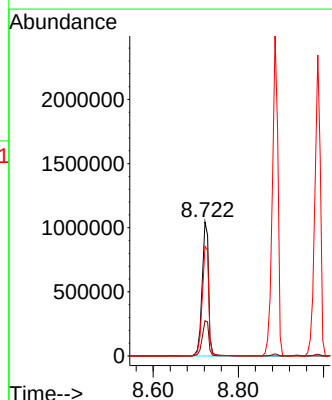
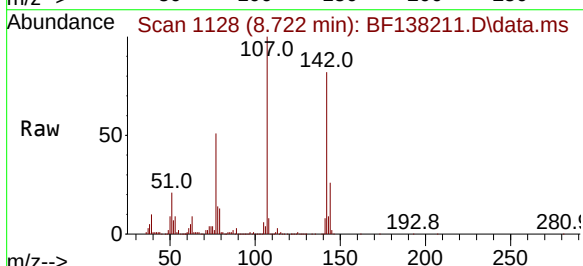
Tgt Ion:107 Resp: 1093315

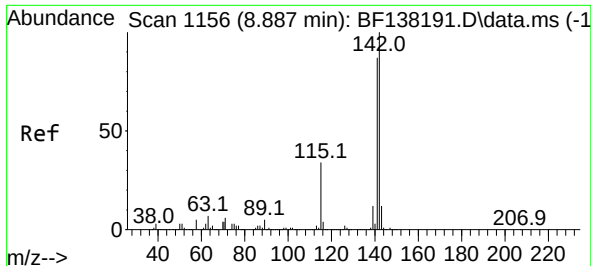
Ion Ratio Lower Upper

107 100

144 26.2 22.6 34.0

142 81.7 69.0 103.4





#37

2-Methylnaphthalene

Concen: 42.809 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

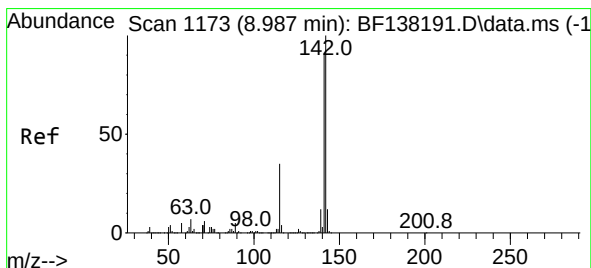
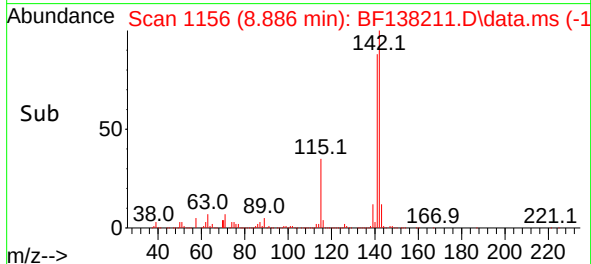
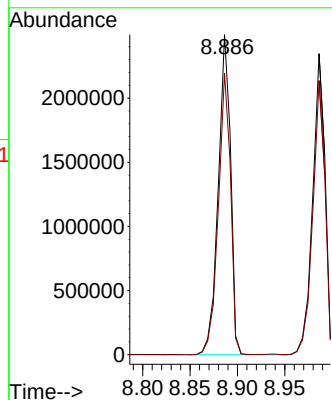
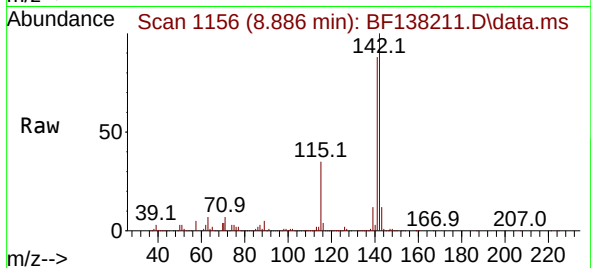
Soil/Gravel-SPMS

Tgt Ion:142 Resp: 2265572

Ion Ratio Lower Upper

142 100

141 88.0 69.9 104.9



#38

1-Methylnaphthalene

Concen: 40.961 ng

RT: 8.986 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF138211.D

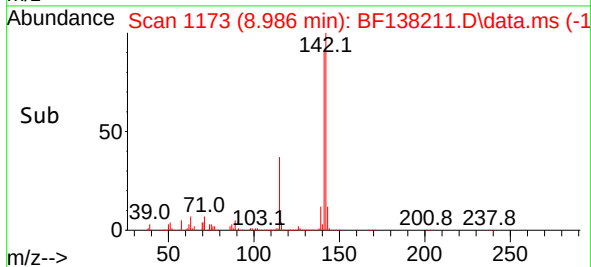
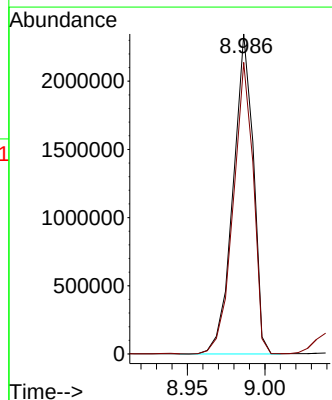
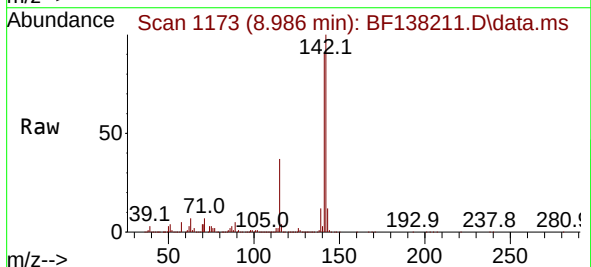
Acq: 17 Jun 2024 18:29

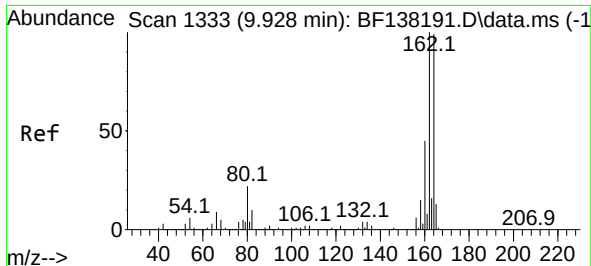
Tgt Ion:142 Resp: 2124321

Ion Ratio Lower Upper

142 100

141 91.1 72.8 109.2

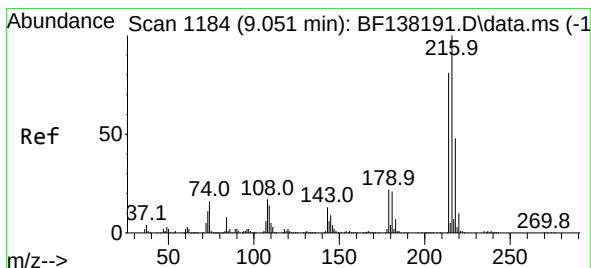
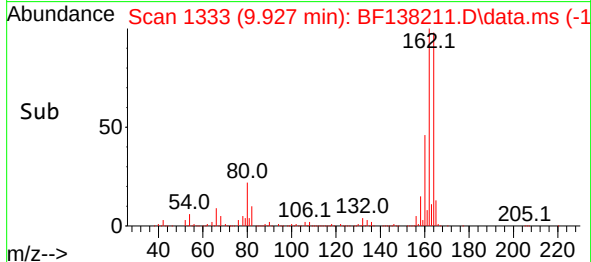
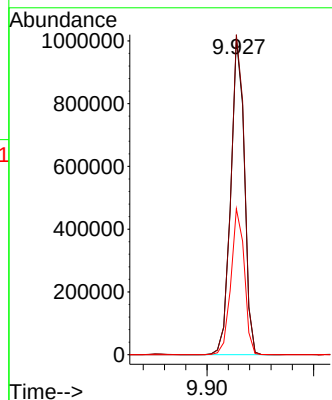
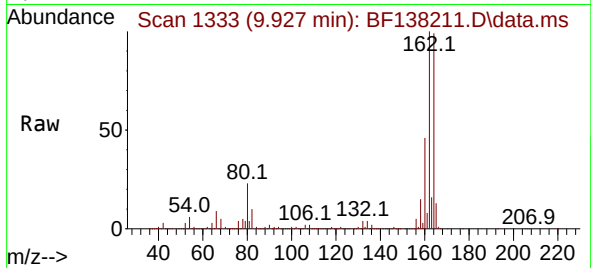




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.927 min Scan# 1184
 Delta R.T. -0.000 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29

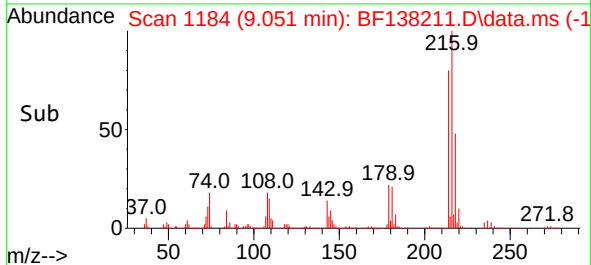
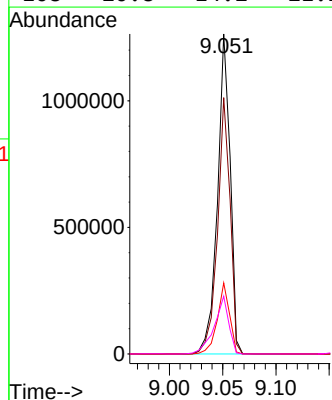
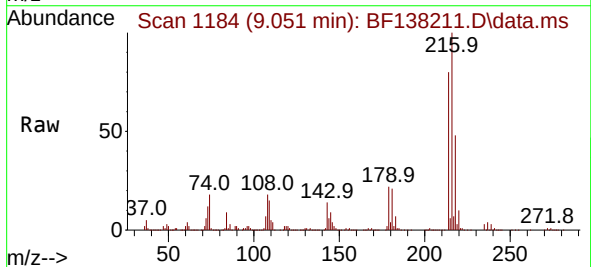
Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMS

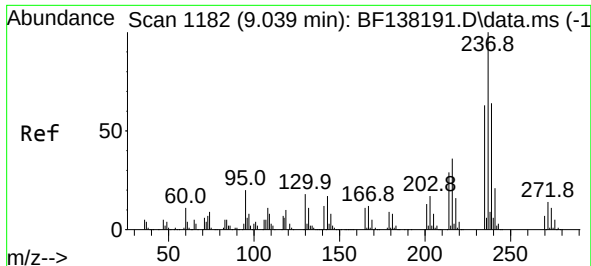
Tgt Ion:164 Resp: 892654
 Ion Ratio Lower Upper
 164 100
 162 101.2 80.6 121.0
 160 46.1 36.3 54.5



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.812 ng
 RT: 9.051 min Scan# 1184
 Delta R.T. -0.000 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29

Tgt Ion:216 Resp: 1038498
 Ion Ratio Lower Upper
 216 100
 214 79.3 63.7 95.5
 179 21.4 16.9 25.3
 108 20.8 14.2 21.2

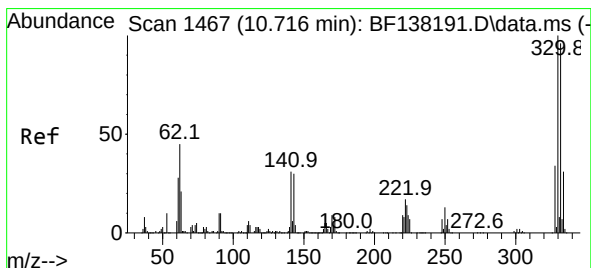
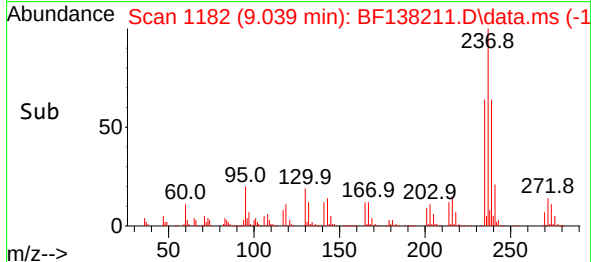
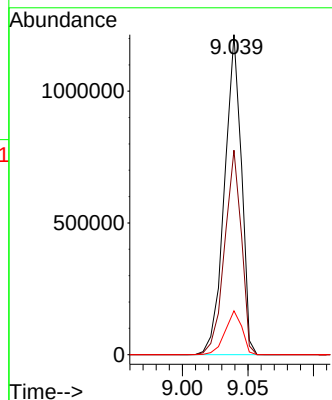
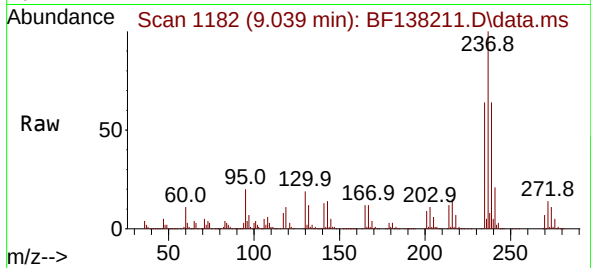




#41
Hexachlorocyclopentadiene
Concen: 127.462 ng
RT: 9.039 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

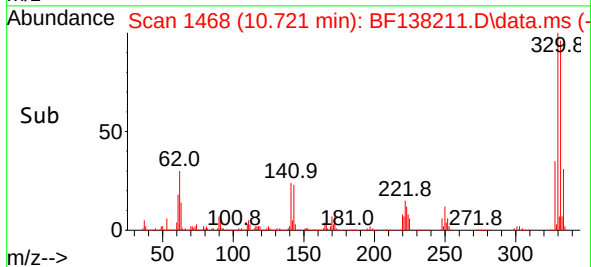
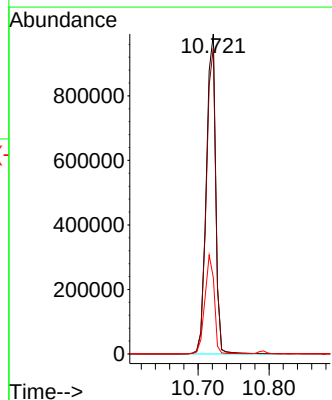
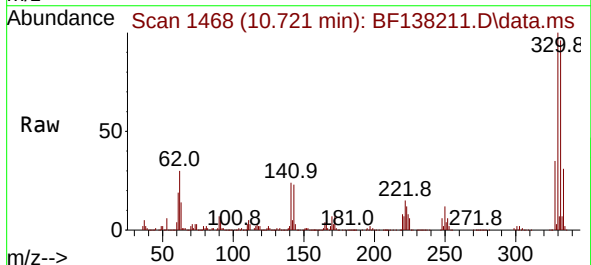
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

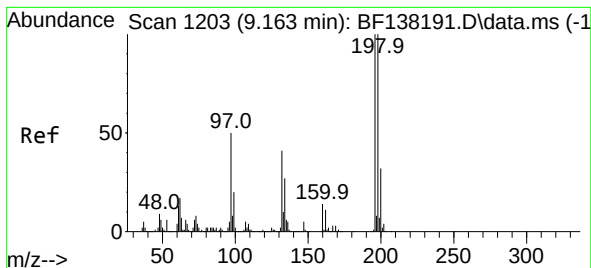
Tgt Ion:237 Resp: 1084129
Ion Ratio Lower Upper
237 100
235 63.9 43.3 83.3
272 13.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 102.481 ng
RT: 10.721 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:330 Resp: 910704
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 31.0 23.9 35.9





#43

2,4,6-Trichlorophenol

Concen: 46.775 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

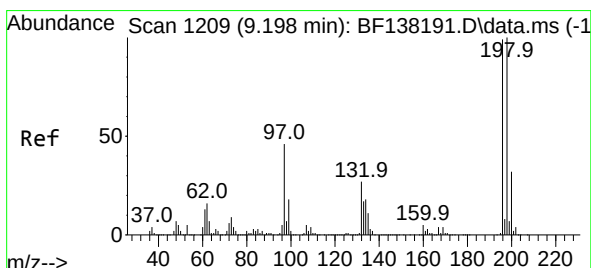
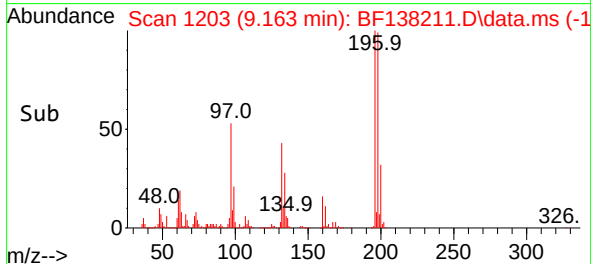
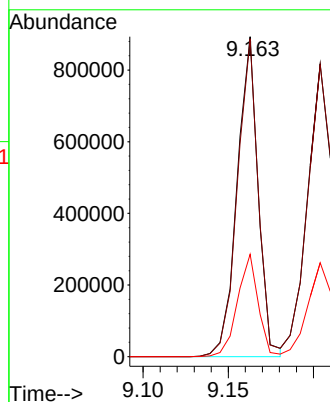
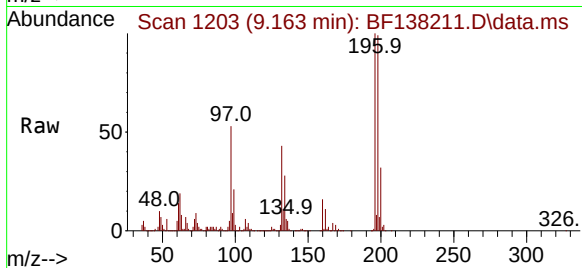
Tgt Ion:196 Resp: 763984

Ion Ratio Lower Upper

196 100

198 99.3 79.8 119.6

200 32.0 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 44.776 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Tgt Ion:196 Resp: 803137

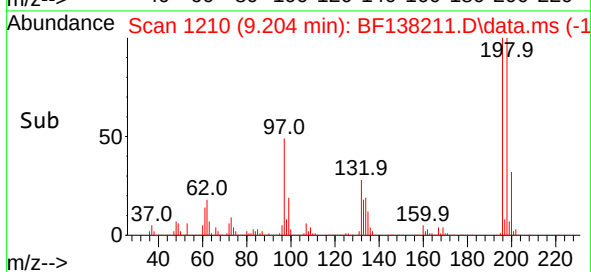
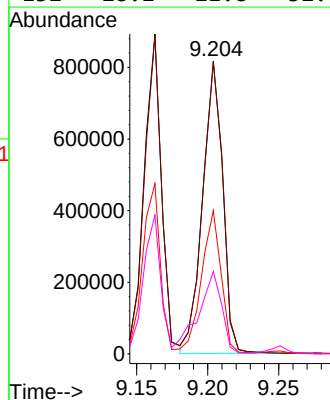
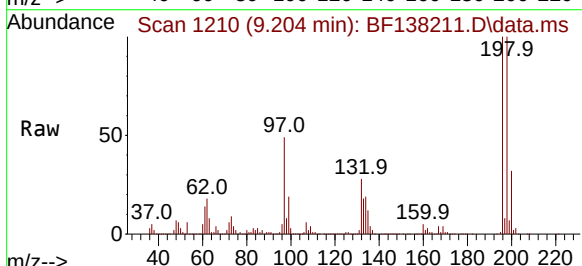
Ion Ratio Lower Upper

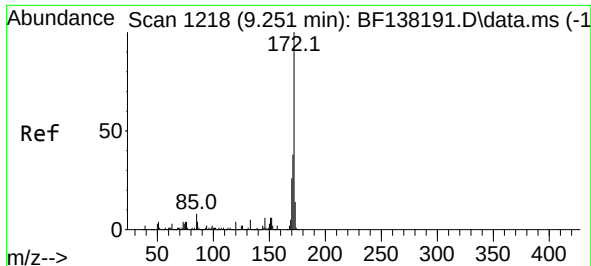
196 100

198 99.7 80.4 120.6

97 49.0 37.4 56.2

132 28.2 21.8 32.6

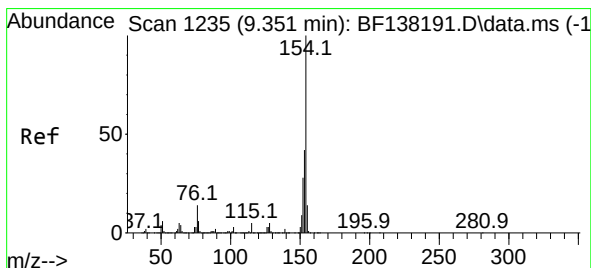
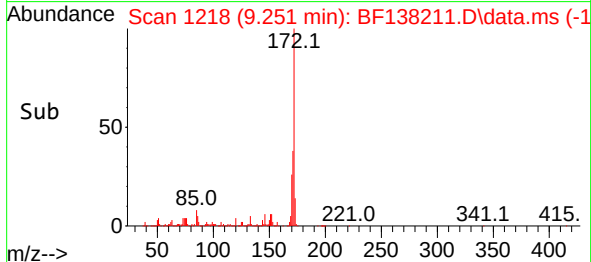
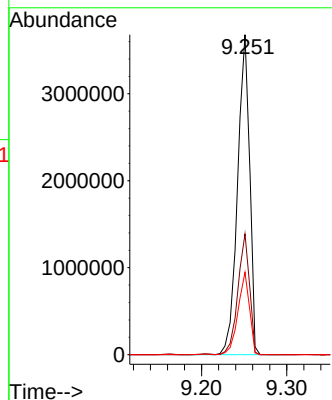
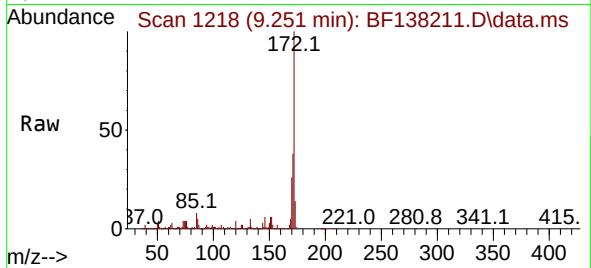




#45
2-Fluorobiphenyl
Concen: 64.526 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

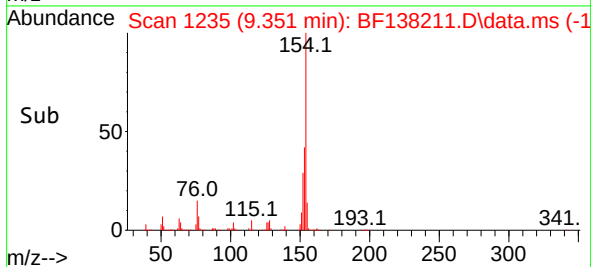
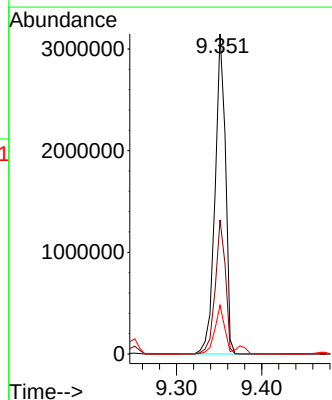
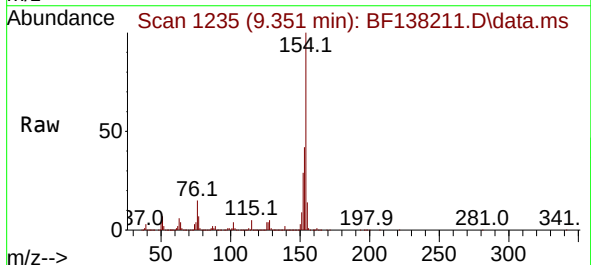
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

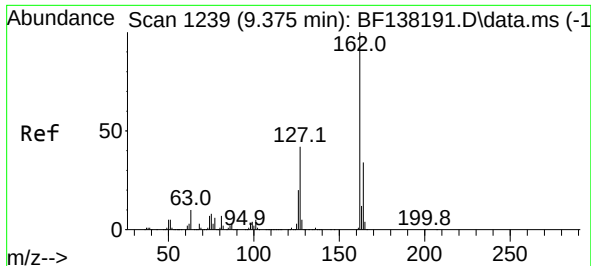
Tgt Ion:172 Resp: 3622270
Ion Ratio Lower Upper
172 100
171 37.8 30.3 45.5
170 25.7 20.6 30.8



#46
1,1'-Biphenyl
Concen: 40.834 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:154 Resp: 2674695
Ion Ratio Lower Upper
154 100
153 41.9 22.1 62.1
76 15.2 0.0 34.3

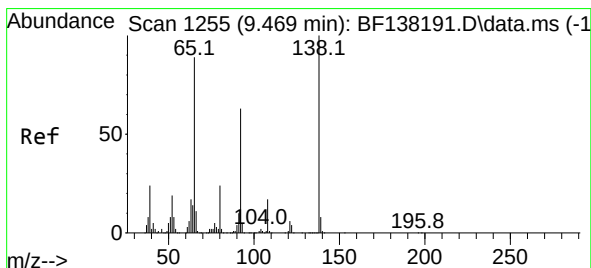
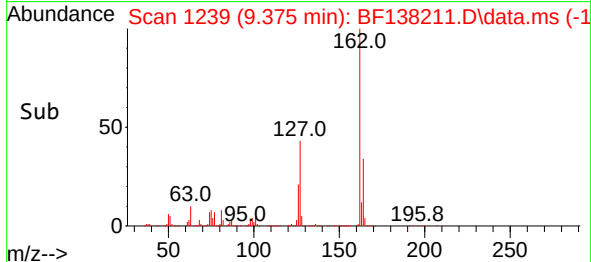
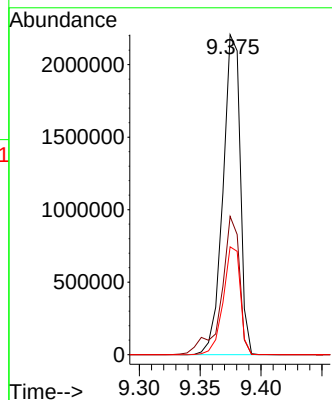
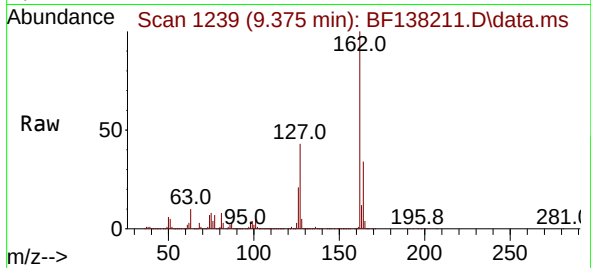




#47
2-Chloronaphthalene
Concen: 42.113 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

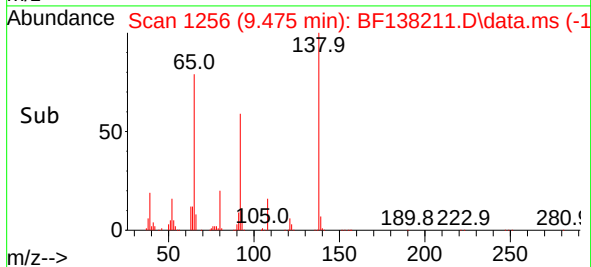
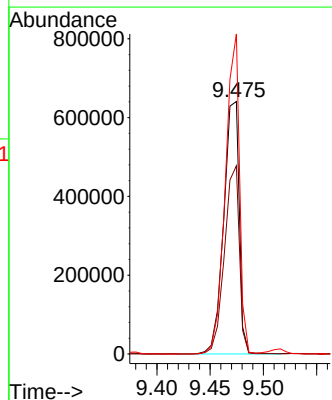
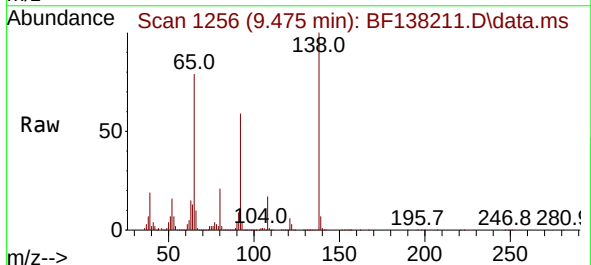
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

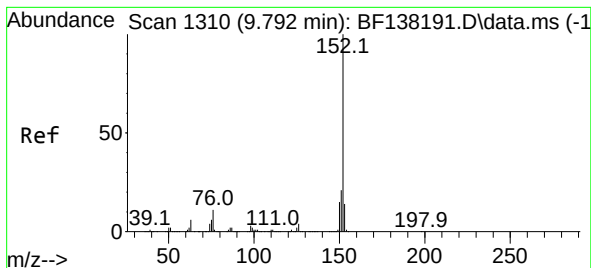
Tgt Ion:162 Resp: 2180031
Ion Ratio Lower Upper
162 100
127 43.2 33.6 50.4
164 33.7 27.2 40.8



#48
2-Nitroaniline
Concen: 51.680 ng
RT: 9.475 min Scan# 1256
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion: 65 Resp: 644287
Ion Ratio Lower Upper
65 100
92 74.5 56.6 85.0
138 126.8 90.1 135.1





#49

Acenaphthylene

Concen: 45.572 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

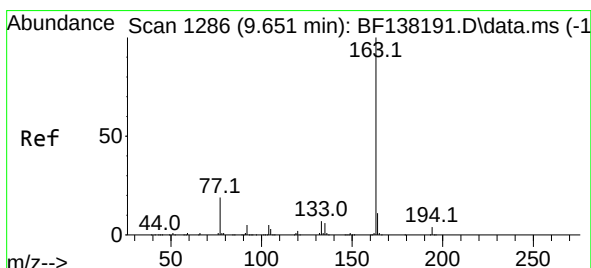
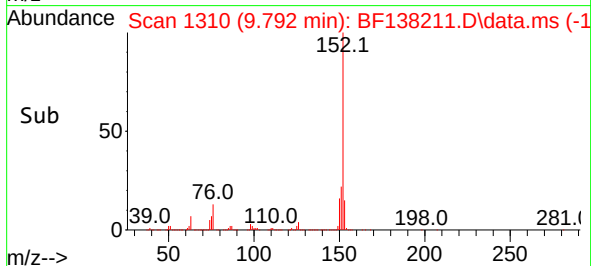
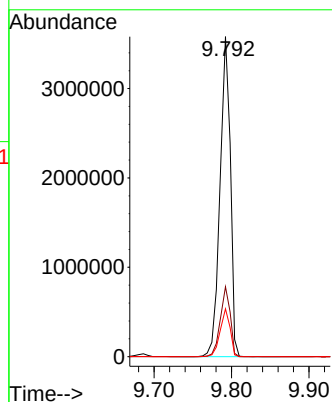
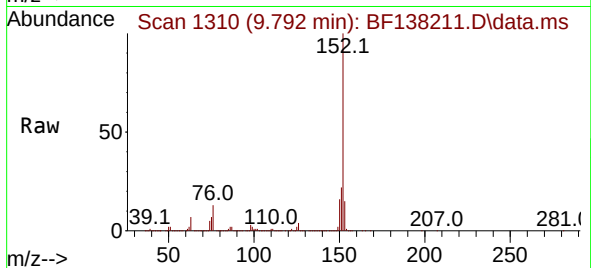
Tgt Ion:152 Resp: 3308048

Ion Ratio Lower Upper

152 100

151 21.8 16.9 25.3

153 14.9 11.4 17.0



#50

Dimethylphthalate

Concen: 45.608 ng

RT: 9.657 min Scan# 1287

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

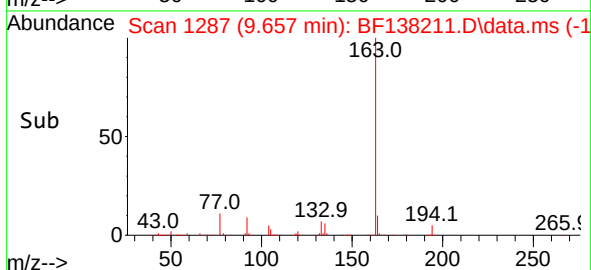
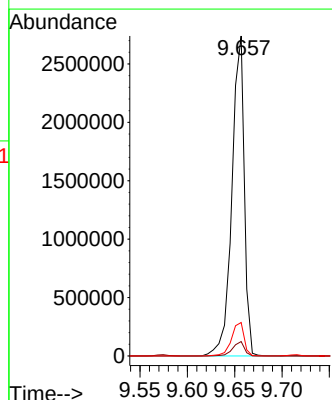
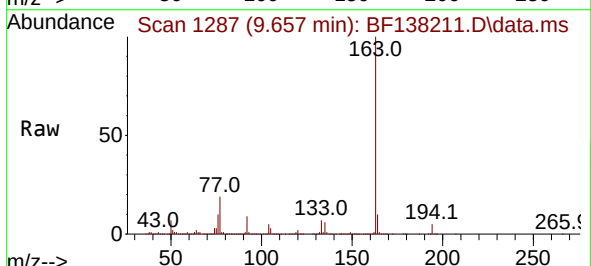
Tgt Ion:163 Resp: 2494473

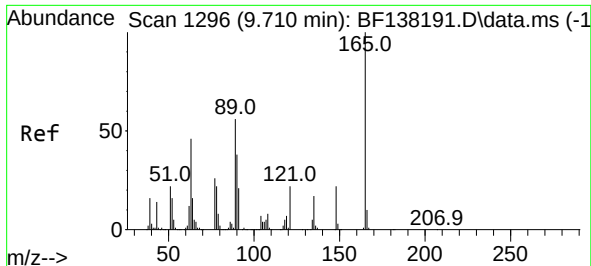
Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 10.5 8.5 12.7

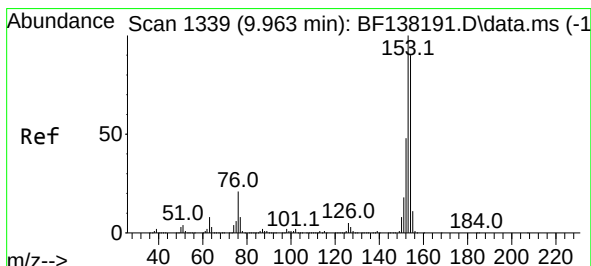
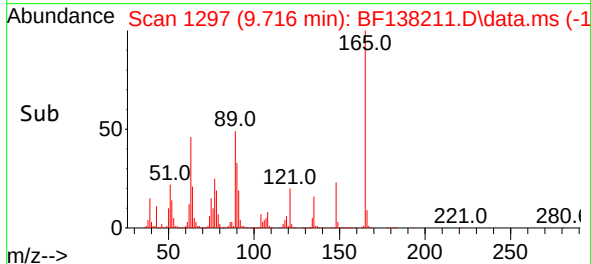
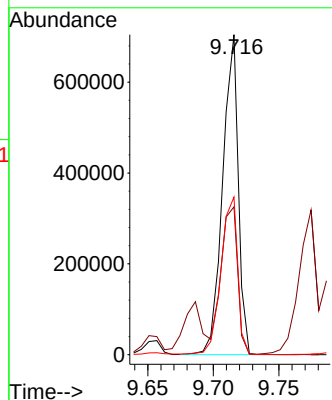
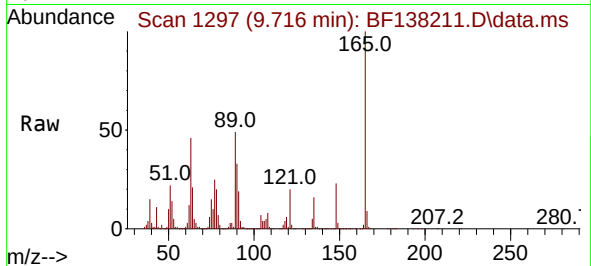




#51
2,6-Dinitrotoluene
Concen: 49.025 ng
RT: 9.716 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

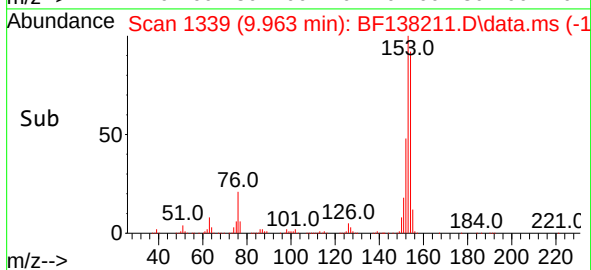
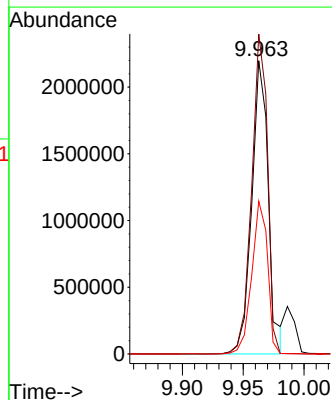
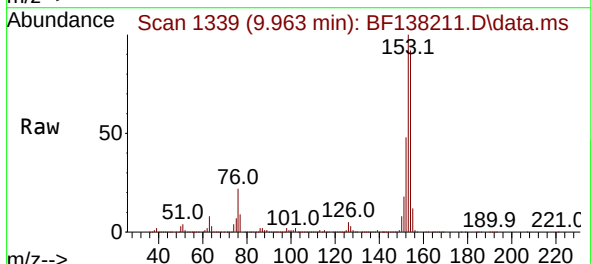
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

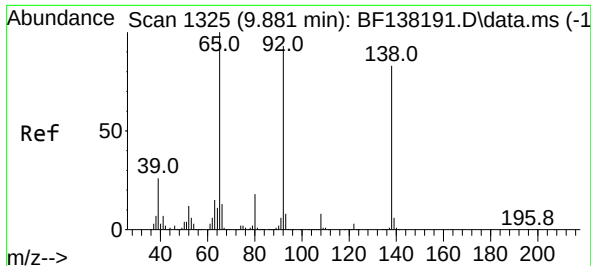
Tgt Ion:165 Resp: 581694
Ion Ratio Lower Upper
165 100
63 46.2 43.7 65.5
89 49.2 44.9 67.3



#52
Acenaphthene
Concen: 41.899 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:154 Resp: 2073929
Ion Ratio Lower Upper
154 100
153 109.1 89.1 133.7
152 52.1 42.4 63.6

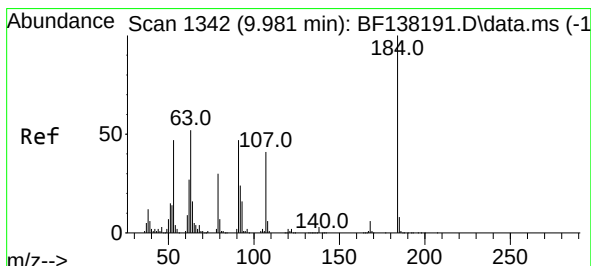
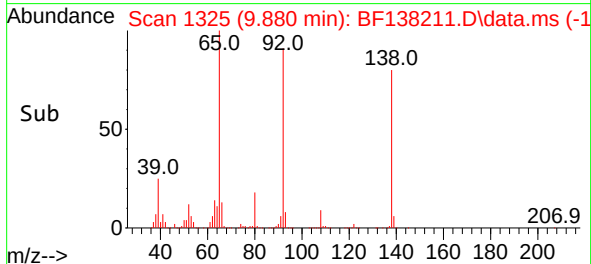
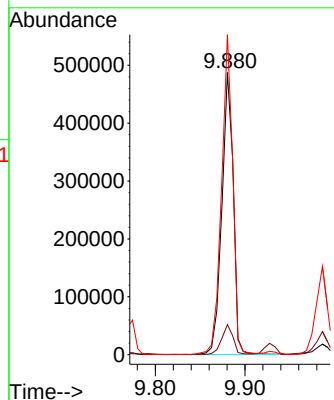
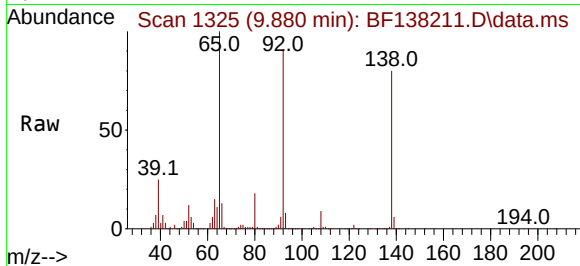




#53
3-Nitroaniline
Concen: 33.992 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

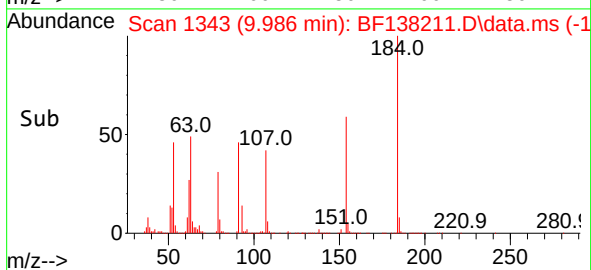
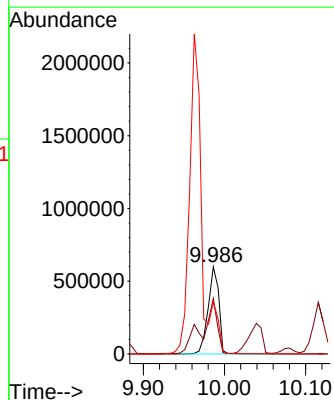
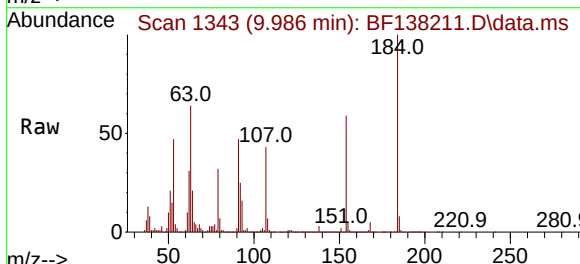
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

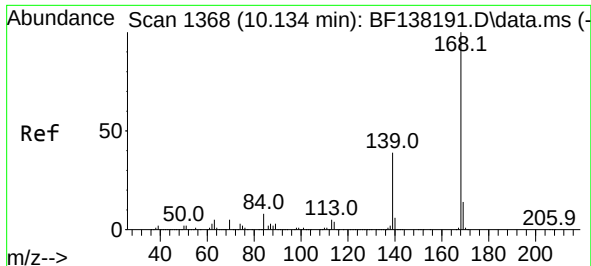
Tgt Ion:138 Resp: 430862
Ion Ratio Lower Upper
138 100
108 10.7 8.2 12.2
92 113.5 90.0 135.0



#54
2,4-Dinitrophenol
Concen: 88.070 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:184 Resp: 551610
Ion Ratio Lower Upper
184 100
63 63.5 49.2 73.8
154 59.4 46.7 70.1

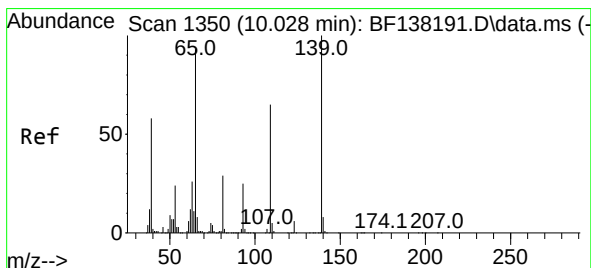
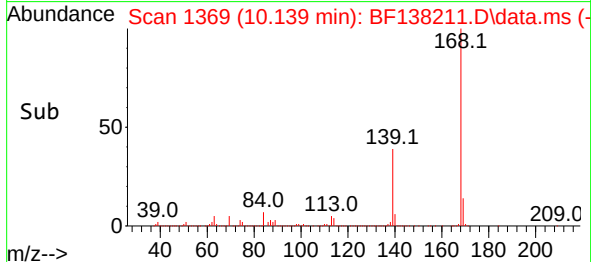
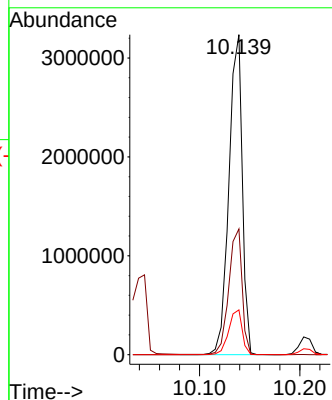
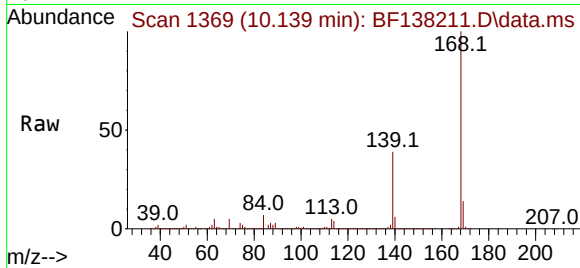




#55
Dibenzenofuran
Concen: 43.144 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

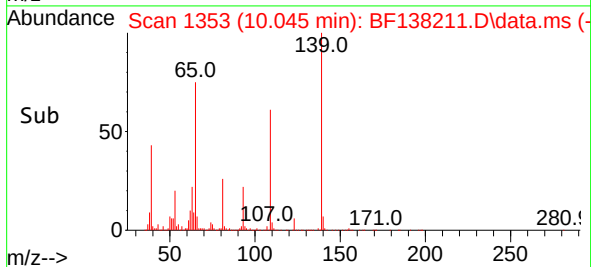
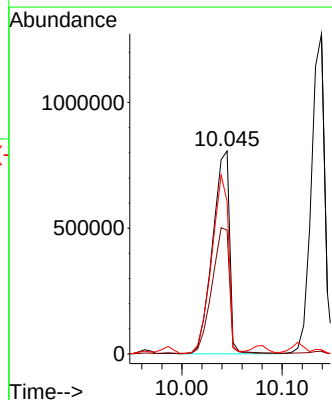
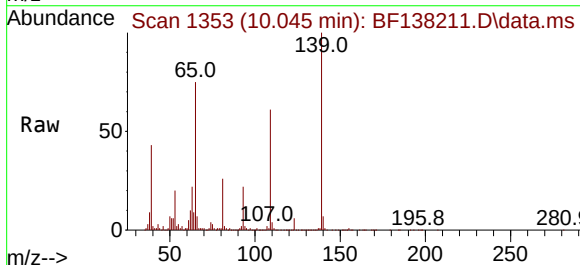
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

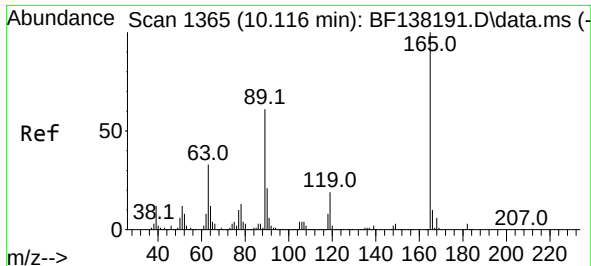
Tgt Ion:168 Resp: 2985371
Ion Ratio Lower Upper
168 100
139 39.3 31.0 46.4
169 14.0 11.4 17.0



#56
4-Nitrophenol
Concen: 94.958 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:139 Resp: 951185
Ion Ratio Lower Upper
139 100
109 61.1 44.6 84.6
65 75.1 73.1 113.1

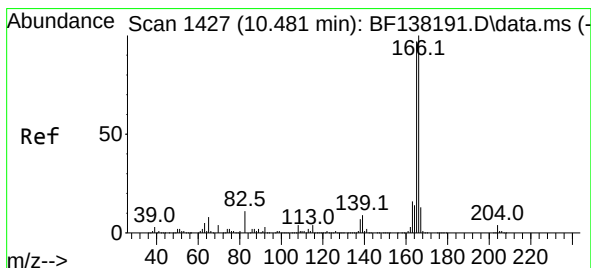
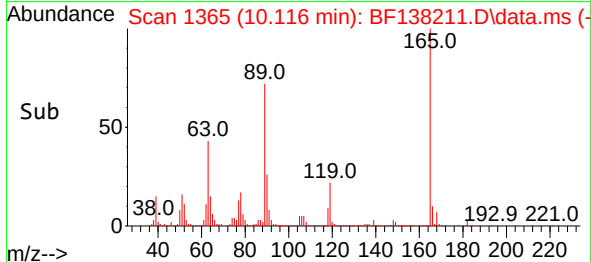
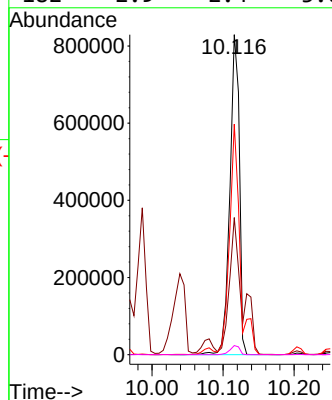
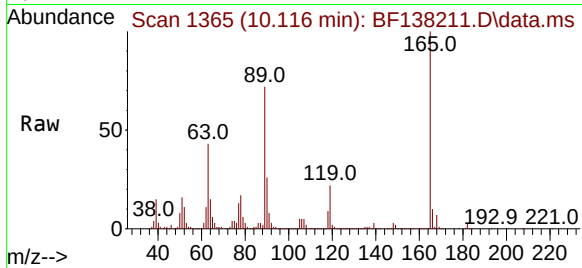




#57
2,4-Dinitrotoluene
Concen: 52.503 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

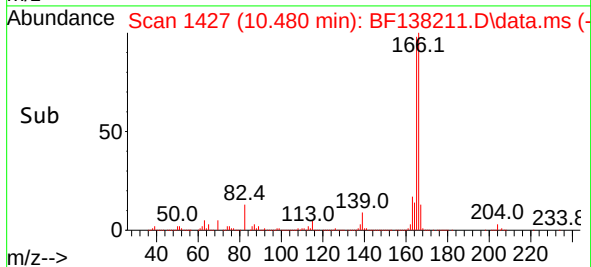
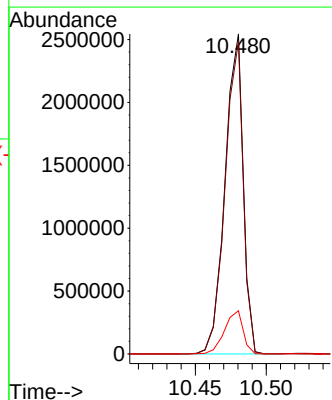
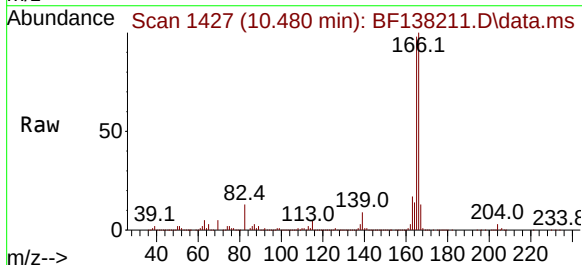
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

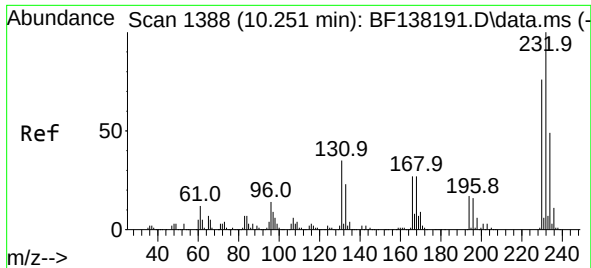
Tgt Ion:165 Resp: 768364
Ion Ratio Lower Upper
165 100
63 42.9 26.6 39.8#
89 72.1 48.7 73.1
182 2.9 2.4 3.6



#58
Fluorene
Concen: 41.554 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:166 Resp: 2260757
Ion Ratio Lower Upper
166 100
165 97.6 77.9 116.9
167 13.5 10.7 16.1

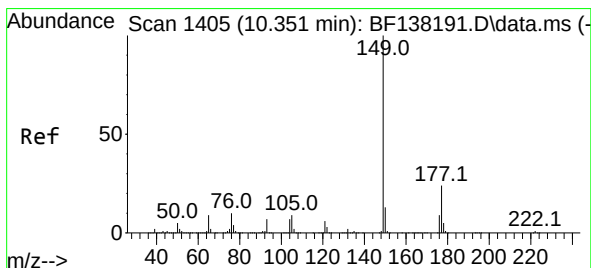
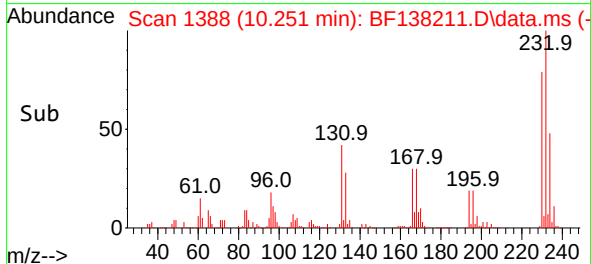
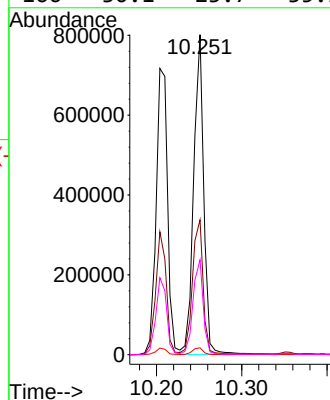
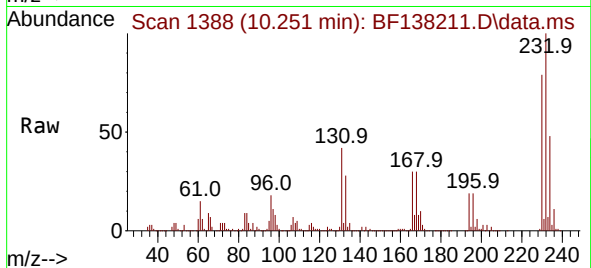




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.781 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

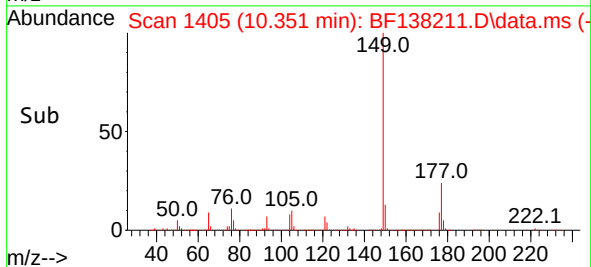
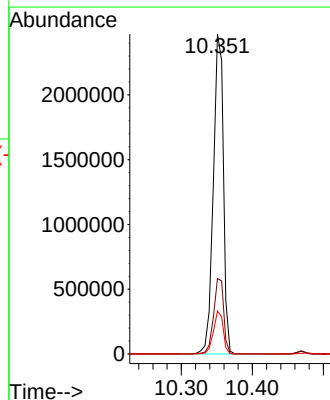
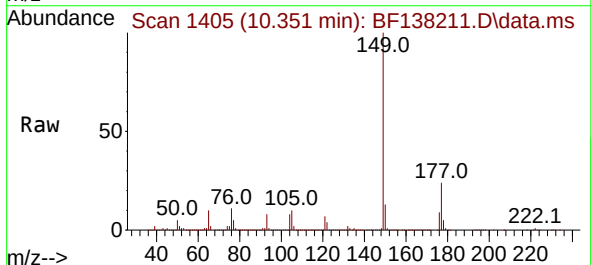
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

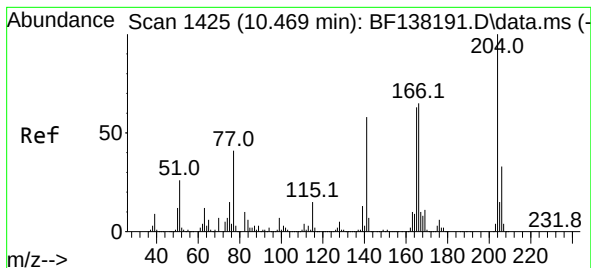
Tgt Ion:232 Resp: 655779
Ion Ratio Lower Upper
232 100
131 44.8 33.6 50.4
130 2.4 1.7 2.5
166 30.1 23.7 35.5



#60
Diethylphthalate
Concen: 46.934 ng
RT: 10.351 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:149 Resp: 2436318
Ion Ratio Lower Upper
149 100
177 23.6 19.4 29.0
150 13.4 10.2 15.4

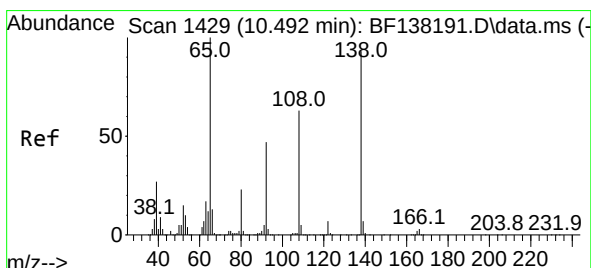
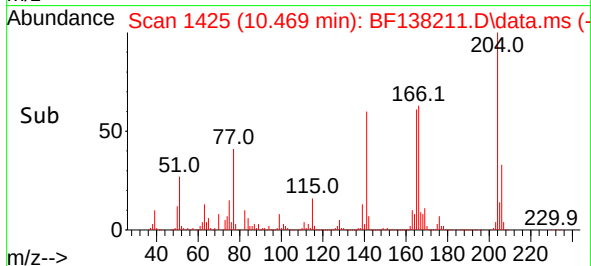
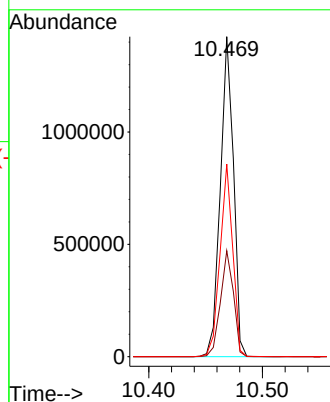
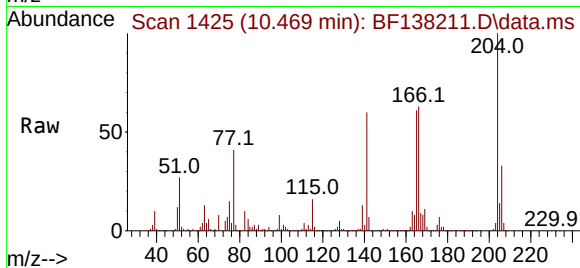




#61
4-Chlorophenyl-phenylether
Concen: 42.325 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

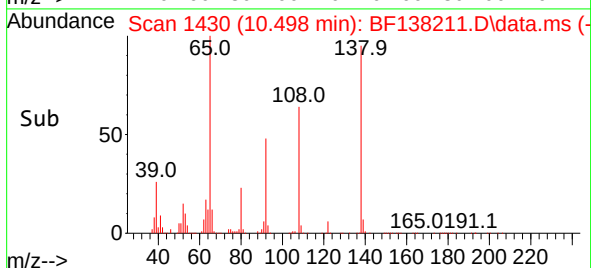
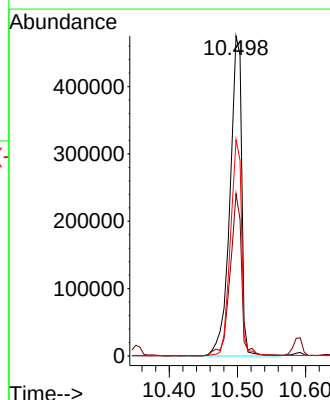
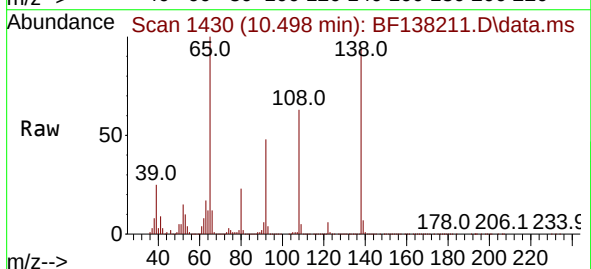
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

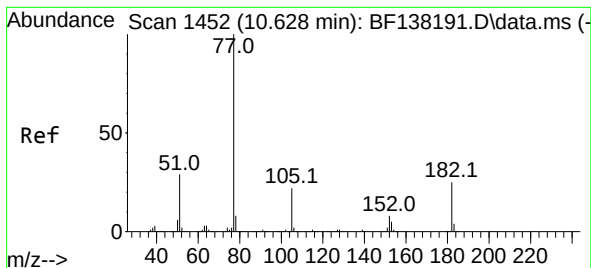
Tgt Ion:204 Resp: 1146819
Ion Ratio Lower Upper
204 100
206 33.1 26.6 39.8
141 60.2 46.3 69.5



#62
4-Nitroaniline
Concen: 44.902 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:138 Resp: 568671
Ion Ratio Lower Upper
138 100
92 50.7 30.9 70.9
108 67.6 47.8 87.8





#63

Azobenzene

Concen: 46.548 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.001 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion: 77 Resp: 2420717

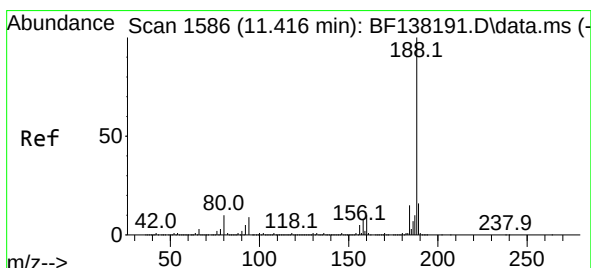
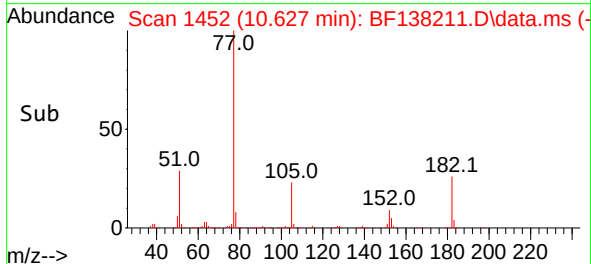
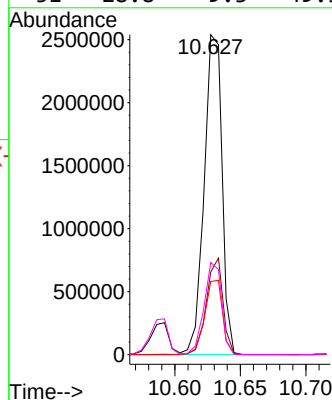
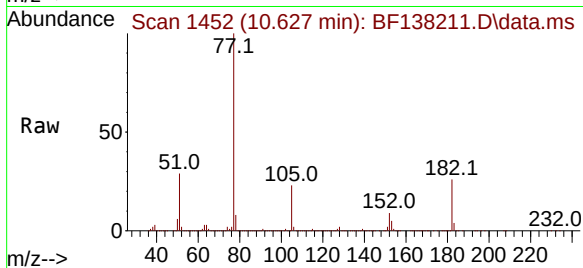
Ion Ratio Lower Upper

77 100

182 25.9 5.5 45.5

105 22.8 1.8 41.8

51 28.8 9.3 49.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

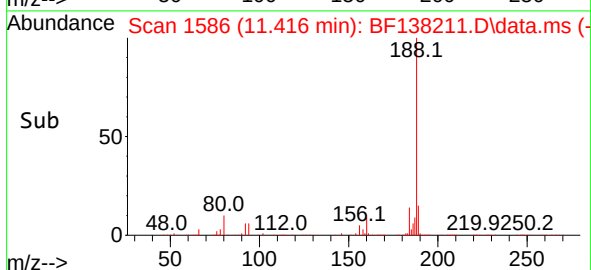
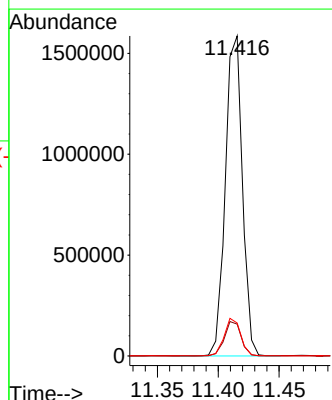
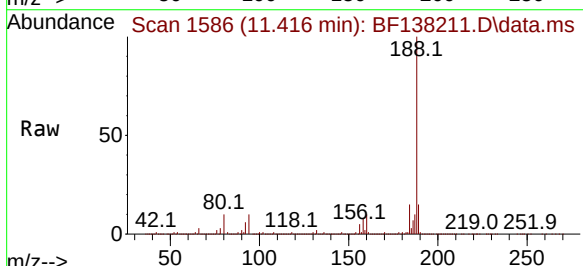
Tgt Ion: 188 Resp: 1547026

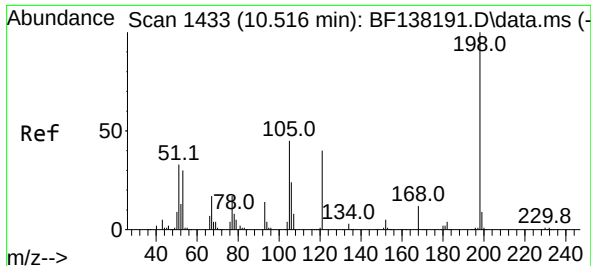
Ion Ratio Lower Upper

188 100

94 10.0 7.6 11.4

80 10.3 8.1 12.1

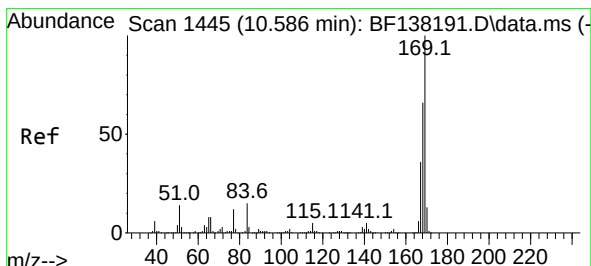
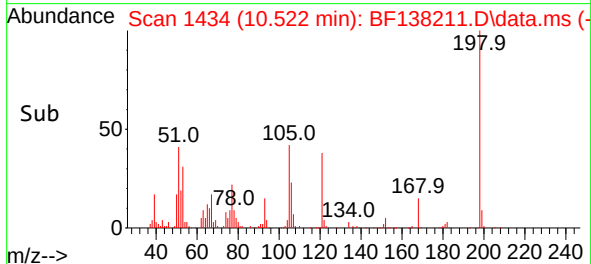
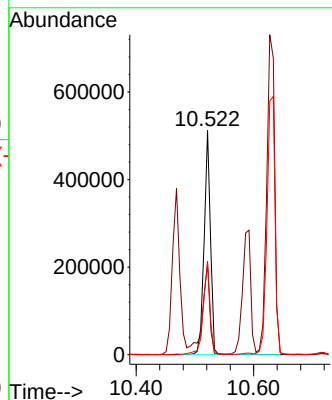
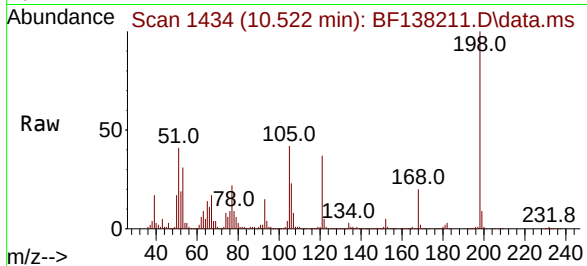




#65
4,6-Dinitro-2-methylphenol
Concen: 48.721 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.005 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

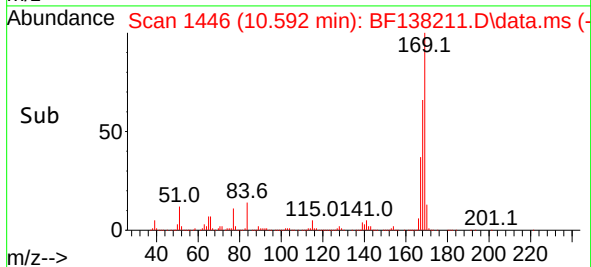
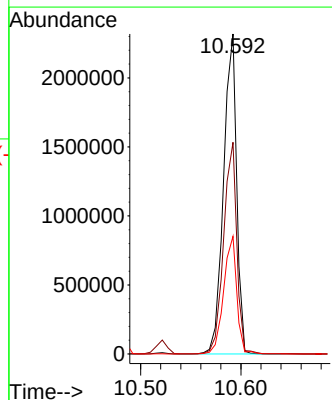
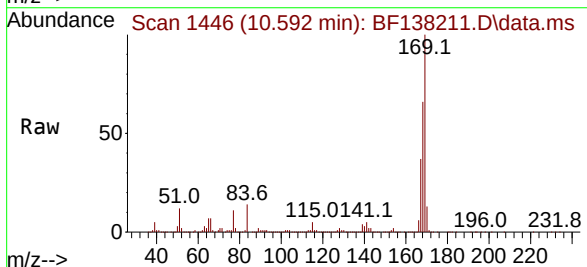
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

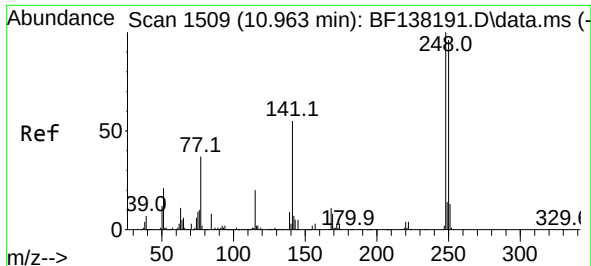
Tgt Ion:198 Resp: 385027
Ion Ratio Lower Upper
198 100
51 40.5 26.9 66.9
105 41.6 26.0 66.0



#66
n-Nitrosodiphenylamine
Concen: 44.260 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:169 Resp: 2096253
Ion Ratio Lower Upper
169 100
168 66.1 52.9 79.3
167 36.8 29.0 43.6

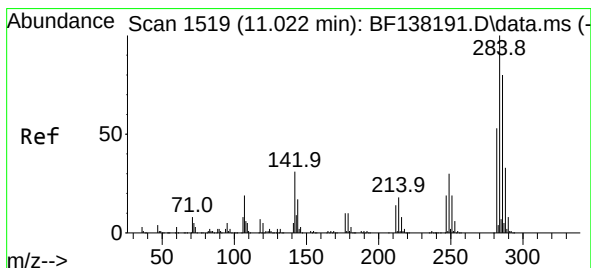
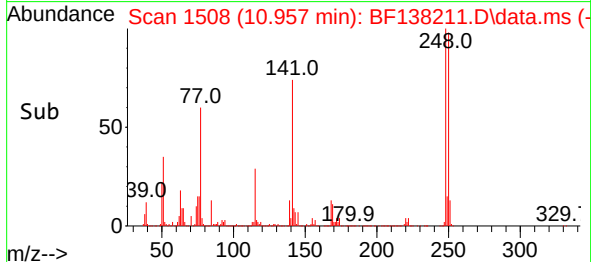
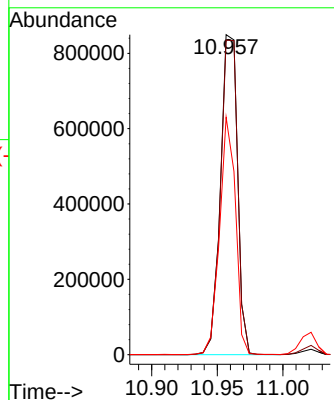
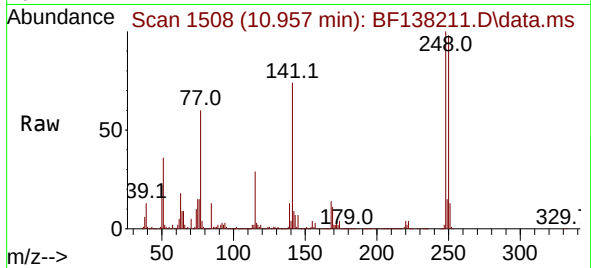




#67
4-Bromophenyl-phenylether
Concen: 44.095 ng
RT: 10.957 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

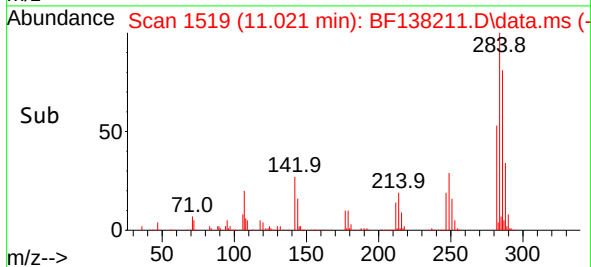
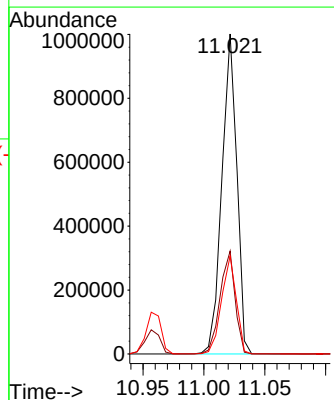
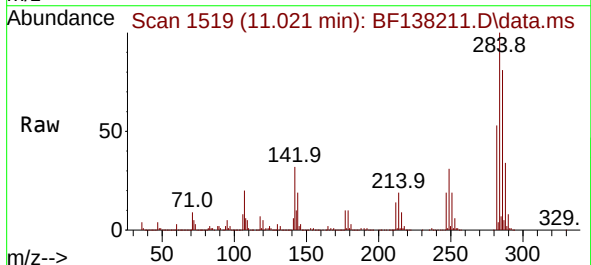
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

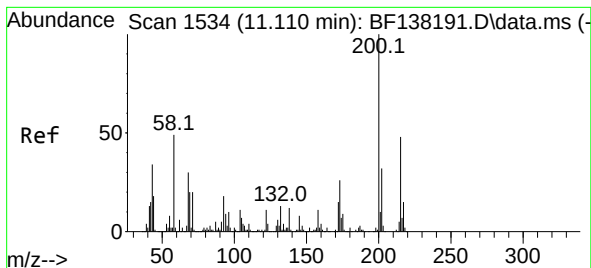
Tgt Ion:248 Resp: 768683
Ion Ratio Lower Upper
248 100
250 98.3 77.2 115.8
141 74.2 44.1 66.1#



#68
Hexachlorobenzene
Concen: 42.038 ng
RT: 11.021 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:284 Resp: 855200
Ion Ratio Lower Upper
284 100
142 32.2 24.8 37.2
249 30.6 23.8 35.6





#69

Atrazine

Concen: 50.748 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

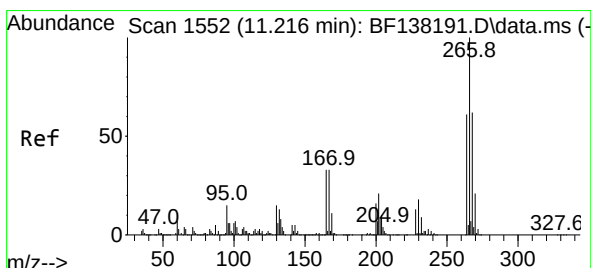
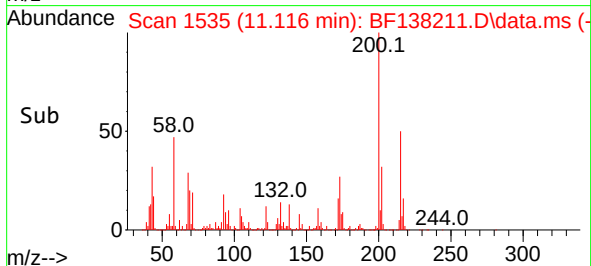
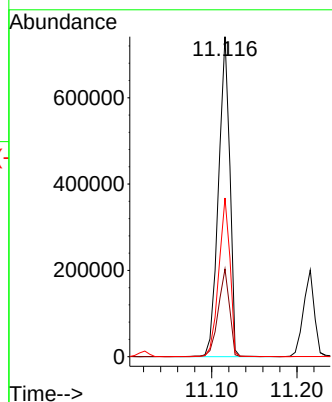
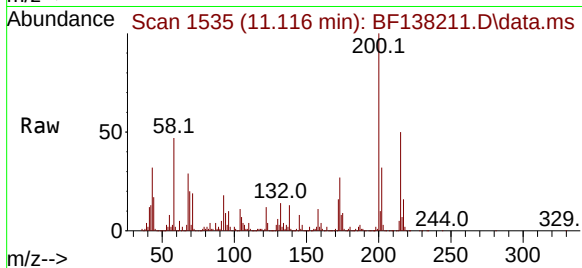
Tgt Ion:200 Resp: 684601

Ion Ratio Lower Upper

200 100

173 27.4 6.3 46.3

215 49.6 28.0 68.0



#70

Pentachlorophenol

Concen: 84.371 ng

RT: 11.216 min Scan# 1552

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

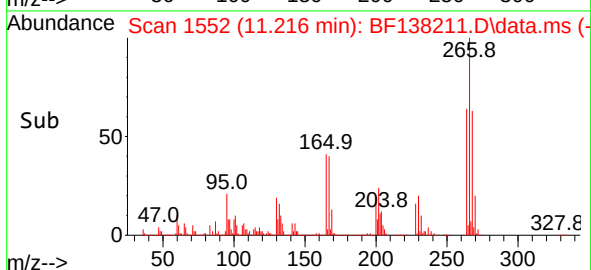
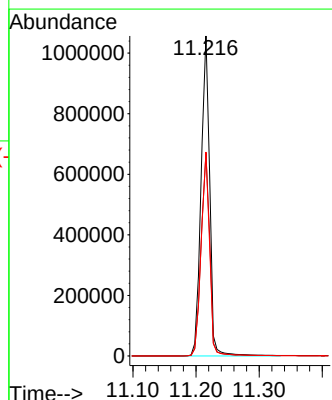
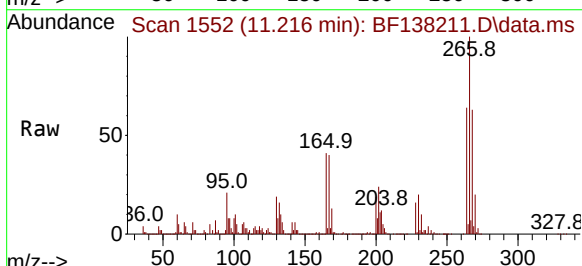
Tgt Ion:266 Resp: 1001017

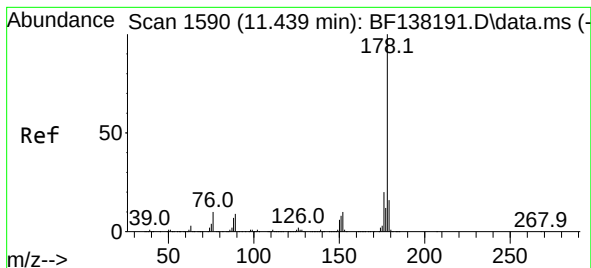
Ion Ratio Lower Upper

266 100

268 63.4 49.5 74.3

264 63.7 49.2 73.8





#71

Phenanthrene

Concen: 42.888 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

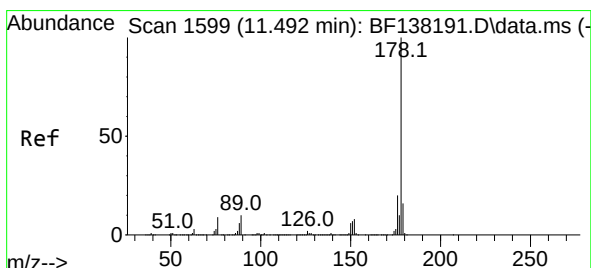
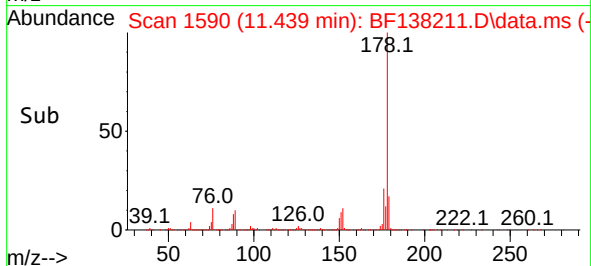
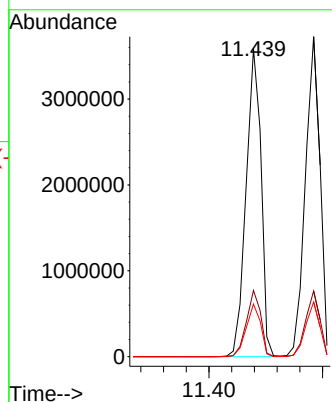
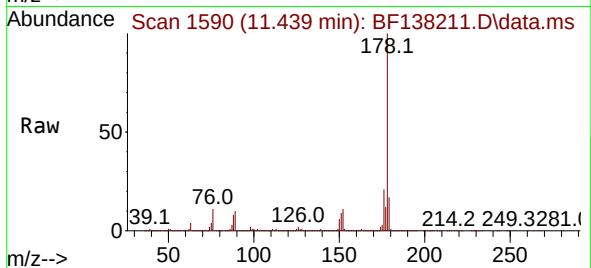
Tgt Ion:178 Resp: 3281220

Ion Ratio Lower Upper

178 100

176 21.5 16.4 24.6

179 17.1 13.1 19.7



#72

Anthracene

Concen: 44.158 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

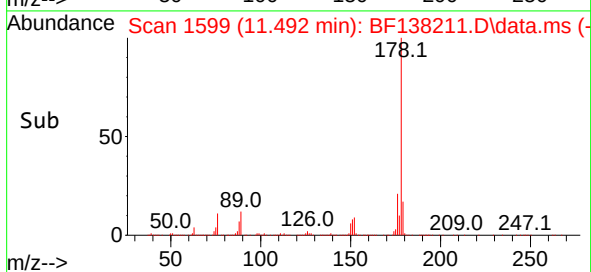
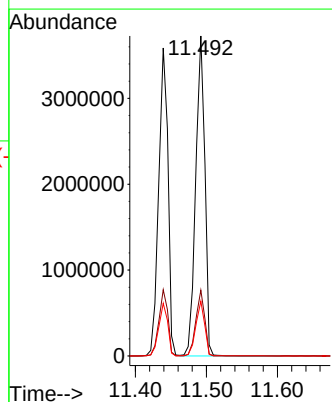
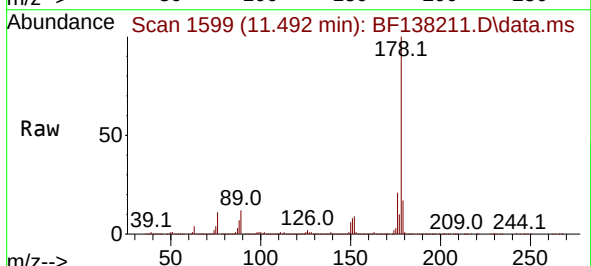
Tgt Ion:178 Resp: 3354220

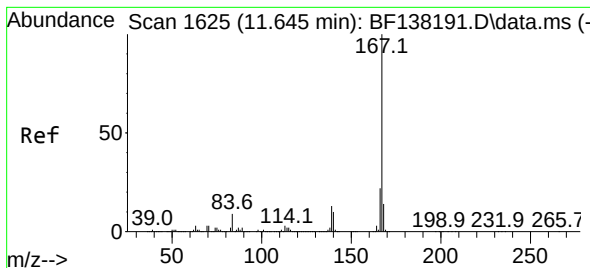
Ion Ratio Lower Upper

178 100

176 20.6 15.7 23.5

179 17.1 13.0 19.6





#73

Carbazole

Concen: 41.693 ng

RT: 11.645 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

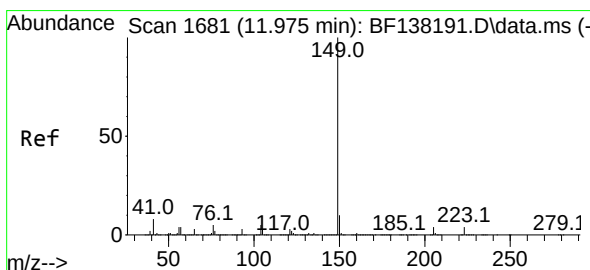
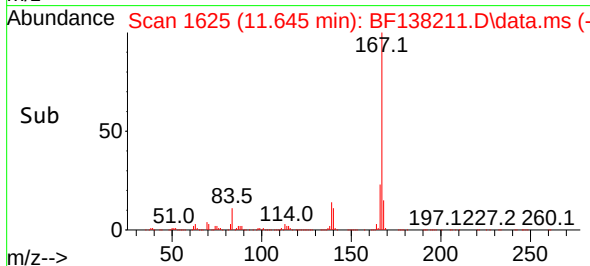
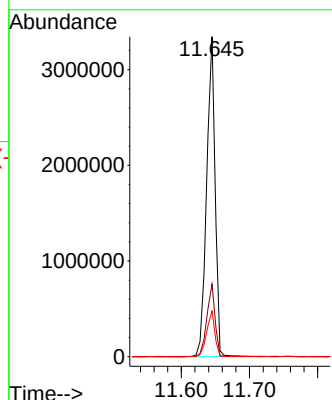
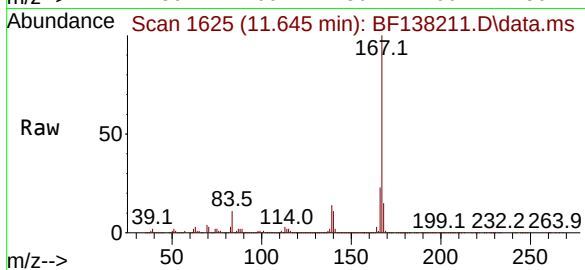
Tgt Ion:167 Resp: 2904698

Ion Ratio Lower Upper

167 100

166 22.7 18.0 27.0

139 14.3 10.6 16.0



#74

Di-n-butylphthalate

Concen: 49.230 ng

RT: 11.974 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

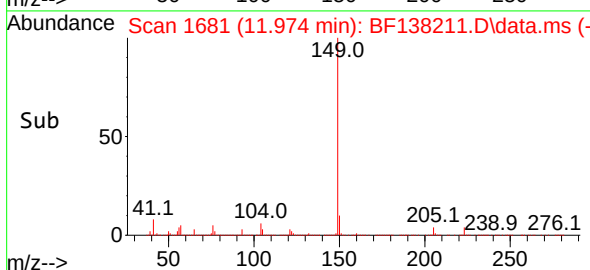
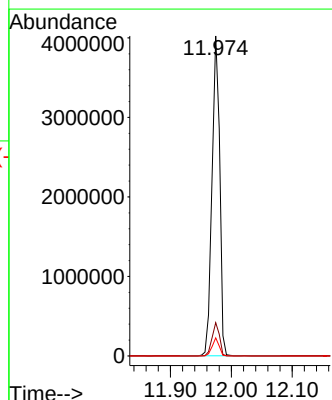
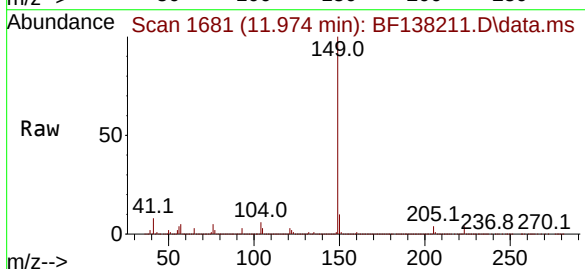
Tgt Ion:149 Resp: 3550726

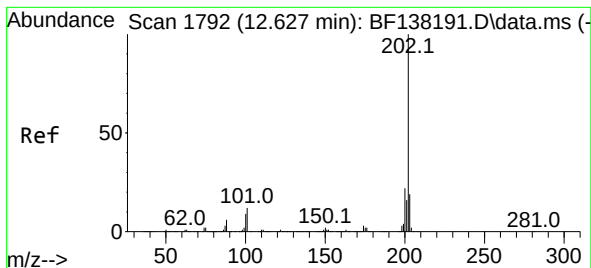
Ion Ratio Lower Upper

149 100

150 10.4 8.2 12.2

104 5.6 4.1 6.1





#75

Fluoranthene

Concen: 41.612 ng

RT: 12.627 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

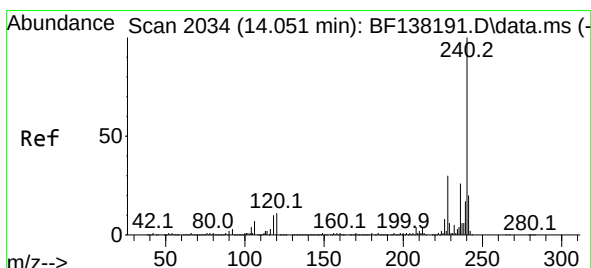
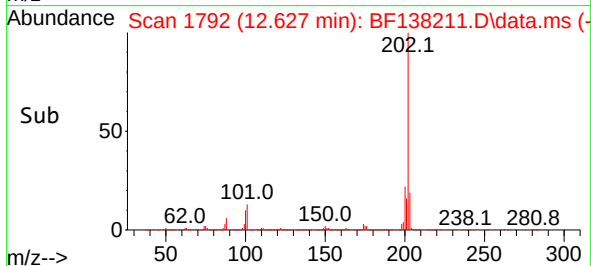
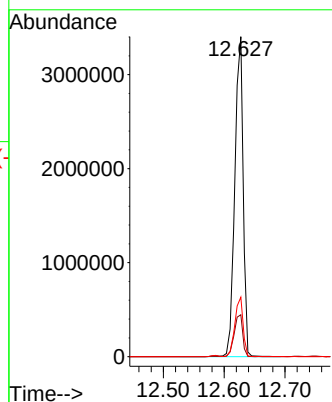
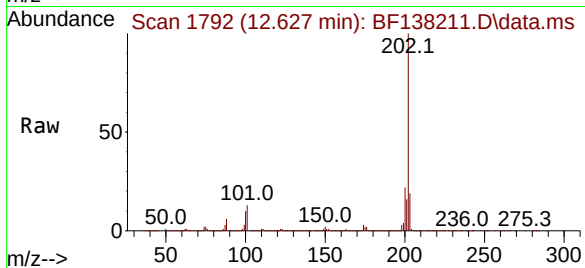
Tgt Ion:202 Resp: 3246361

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.8

203 18.6 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

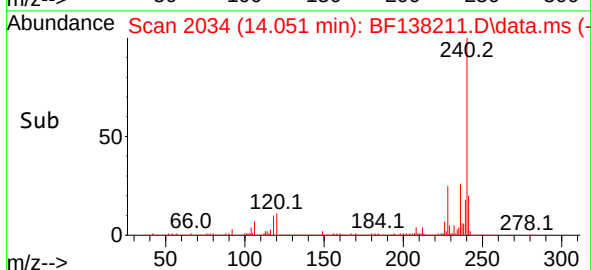
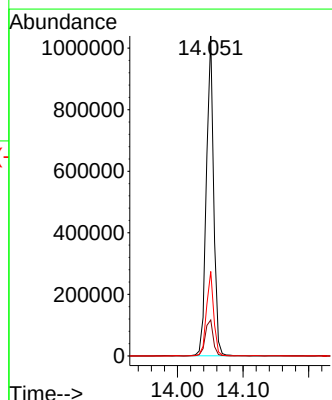
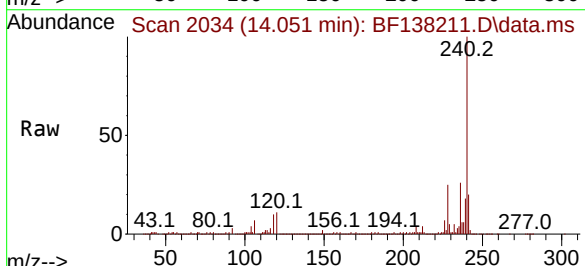
Tgt Ion:240 Resp: 802352

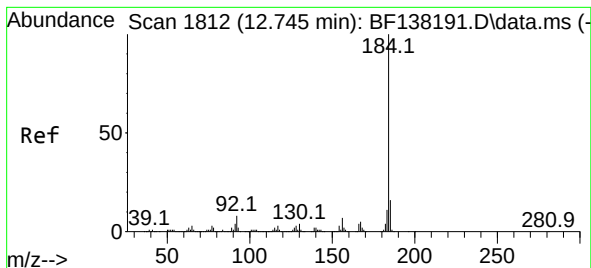
Ion Ratio Lower Upper

240 100

120 11.2 9.2 13.8

236 26.4 21.0 31.6





#77

Benzidine

Concen: 102.797 ng

RT: 12.751 min Scan# 1813

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

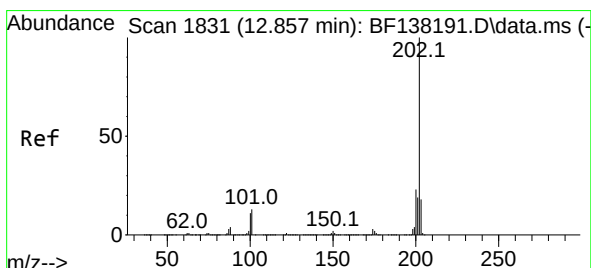
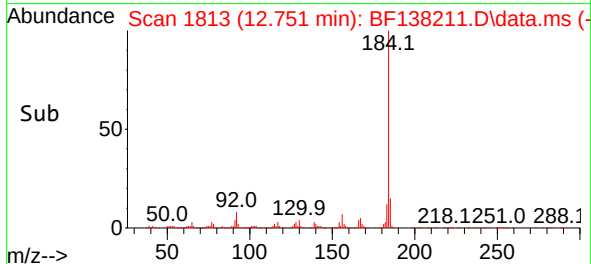
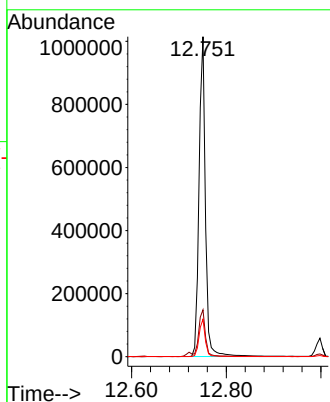
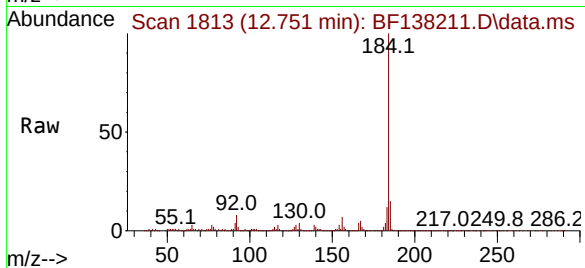
Tgt Ion:184 Resp: 954014

Ion Ratio Lower Upper

184 100

185 14.6 12.6 19.0

183 11.7 9.0 13.6



#78

Pyrene

Concen: 46.586 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

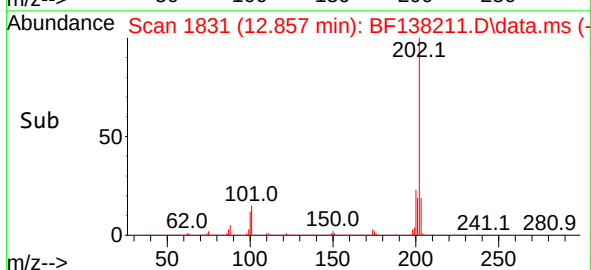
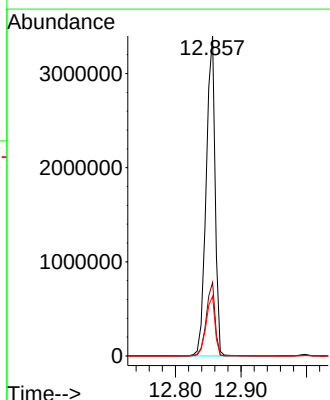
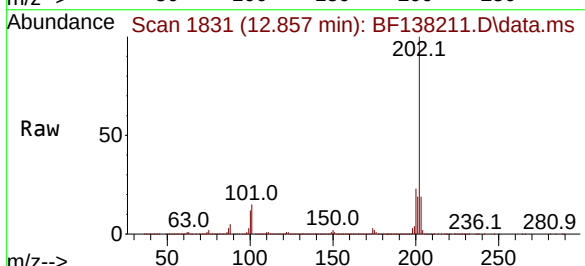
Tgt Ion:202 Resp: 3224091

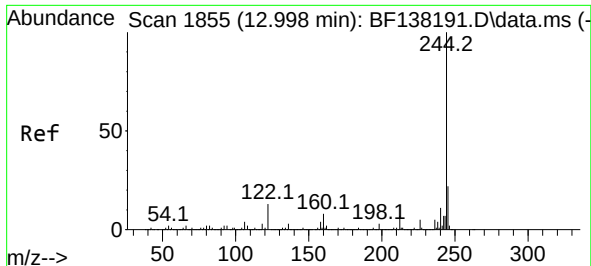
Ion Ratio Lower Upper

202 100

200 23.0 18.0 27.0

203 18.7 14.7 22.1

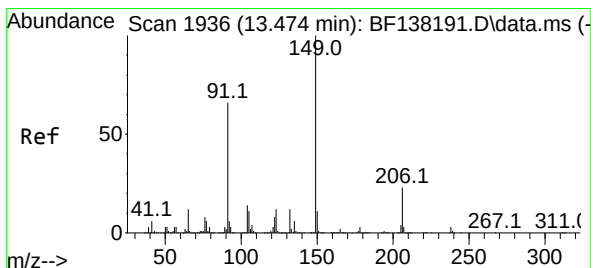
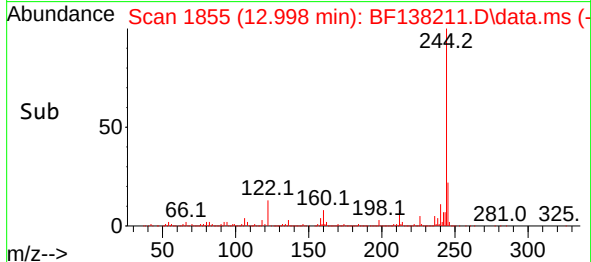
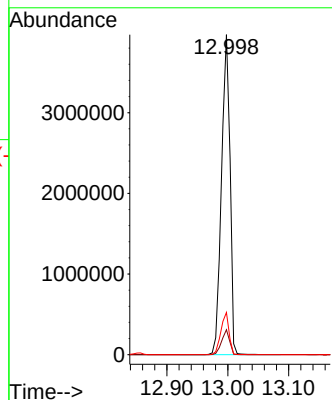
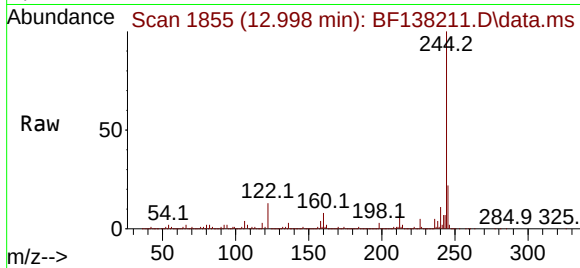




#79
 Terphenyl-d14
 Concen: 75.631 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29

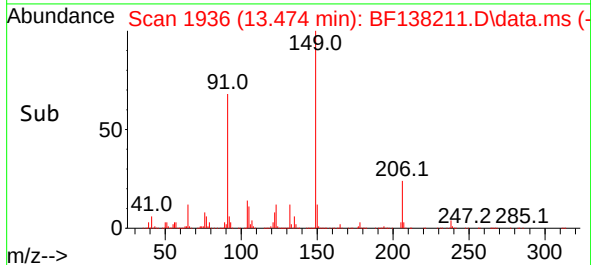
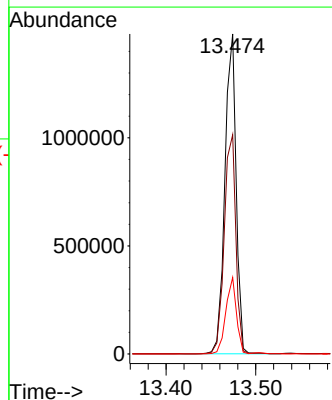
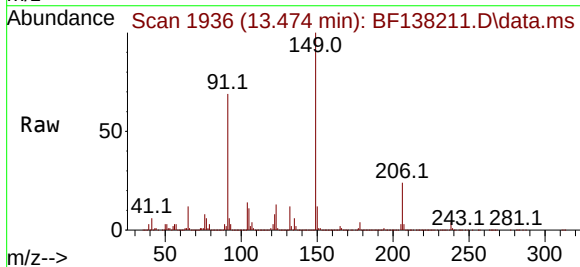
Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMS

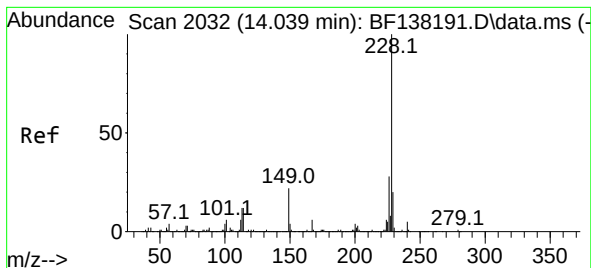
Tgt Ion:244 Resp: 3831363
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 13.2 10.6 15.8



#80
 Butylbenzylphthalate
 Concen: 68.317 ng
 RT: 13.474 min Scan# 1936
 Delta R.T. -0.000 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29

Tgt Ion:149 Resp: 1286063
 Ion Ratio Lower Upper
 149 100
 91 68.5 53.2 79.8
 206 23.9 18.6 27.8





#81

Benzo(a)anthracene

Concen: 46.298 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

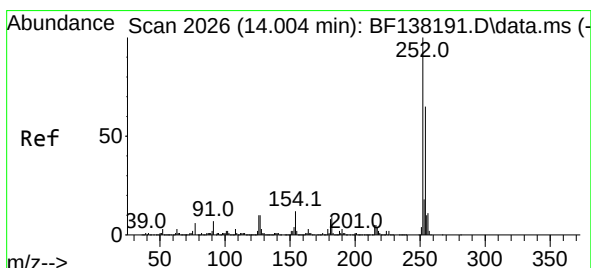
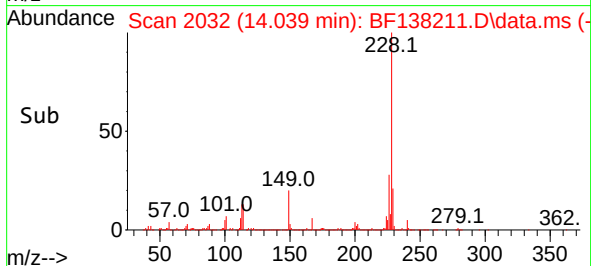
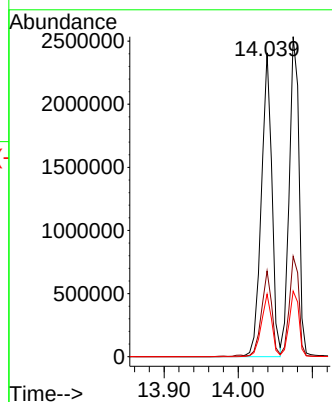
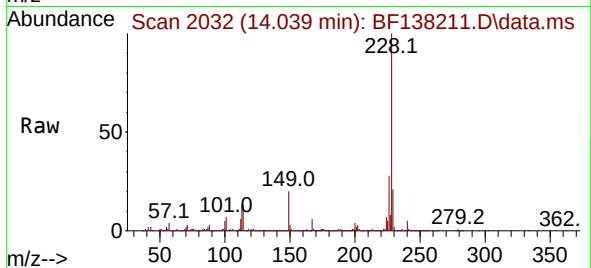
Tgt Ion:228 Resp: 2383179

Ion Ratio Lower Upper

228 100

226 28.2 22.5 33.7

229 20.6 16.3 24.5



#82

3,3'-Dichlorobenzidine

Concen: 44.504 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

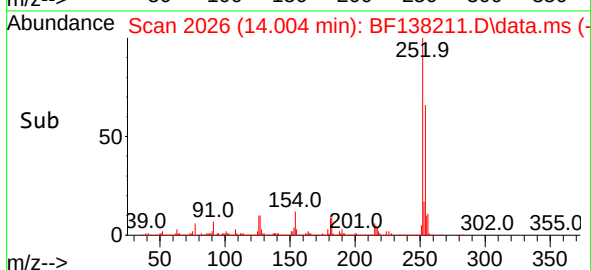
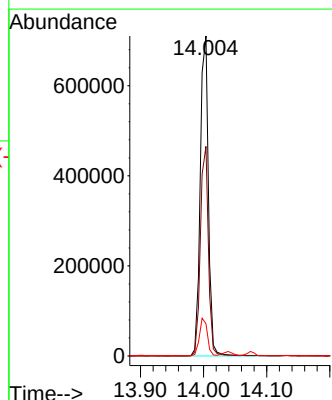
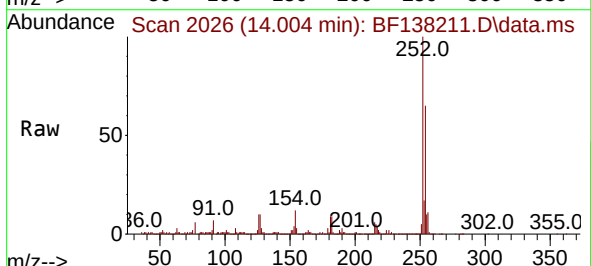
Tgt Ion:252 Resp: 630852

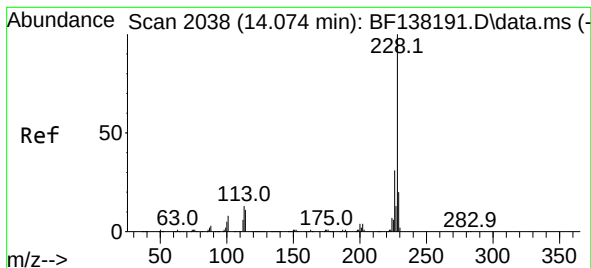
Ion Ratio Lower Upper

252 100

254 65.5 51.8 77.6

126 10.0 8.3 12.5





#83

Chrysene

Concen: 47.256 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

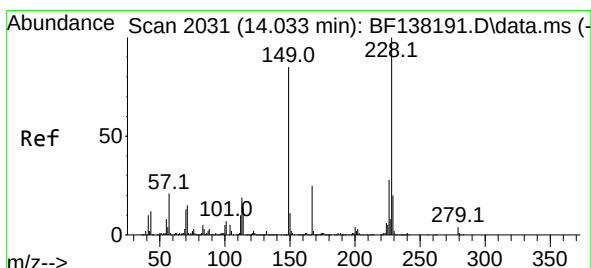
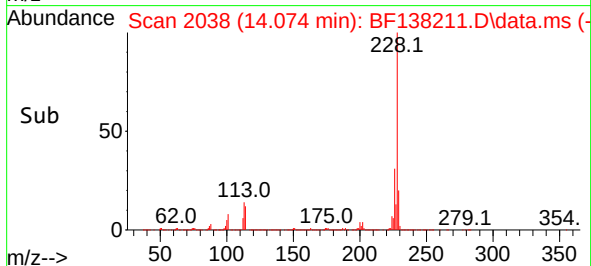
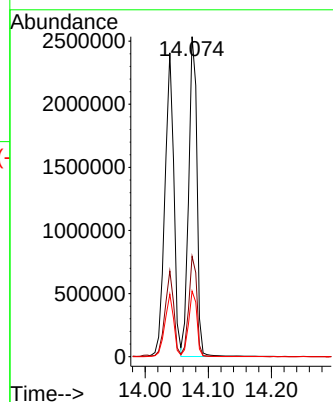
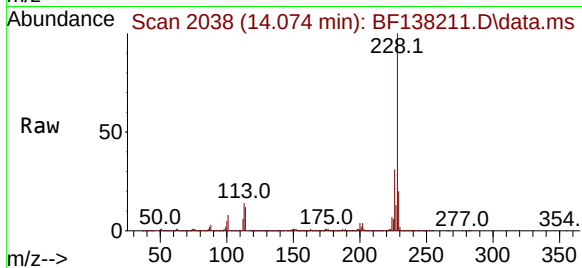
Tgt Ion:228 Resp: 2318587

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

229 20.5 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 76.496 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

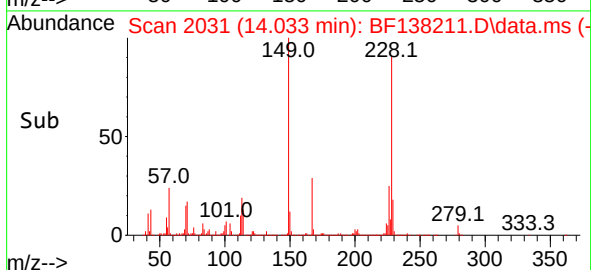
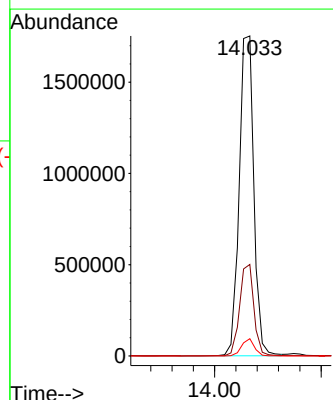
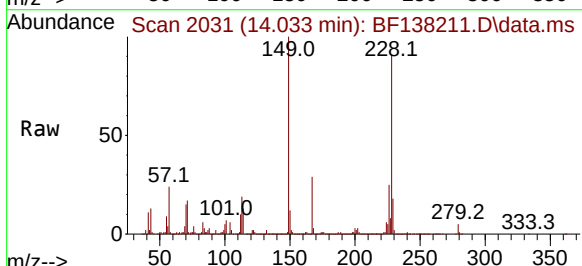
Tgt Ion:149 Resp: 1674852

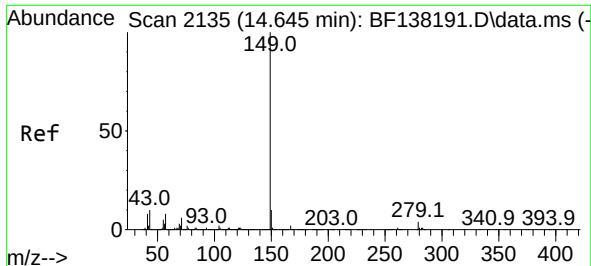
Ion Ratio Lower Upper

149 100

167 28.6 23.5 35.3

279 5.4 4.2 6.2

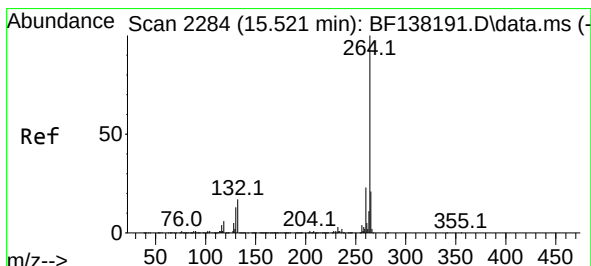
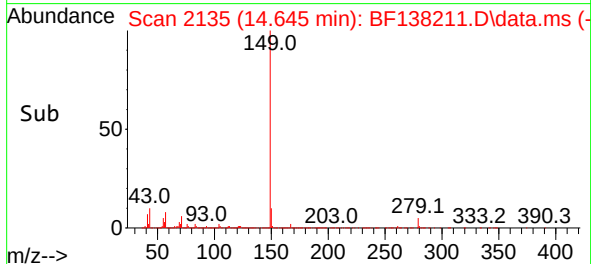
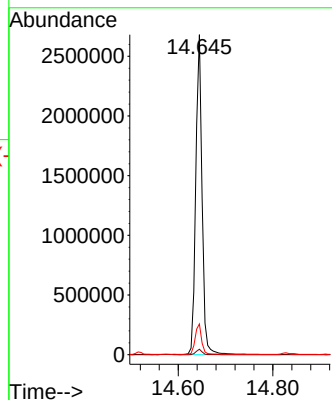
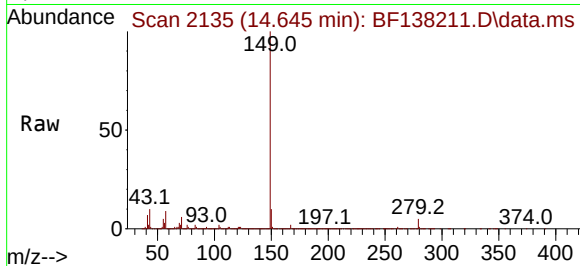




#85
Di-n-octyl phthalate
Concen: 76.312 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

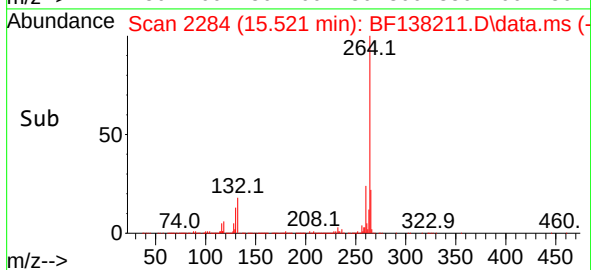
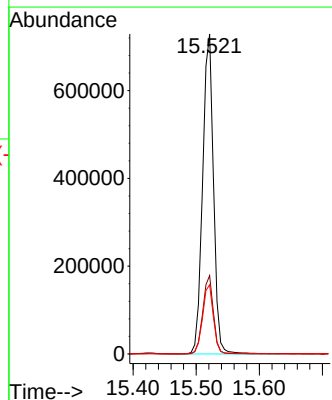
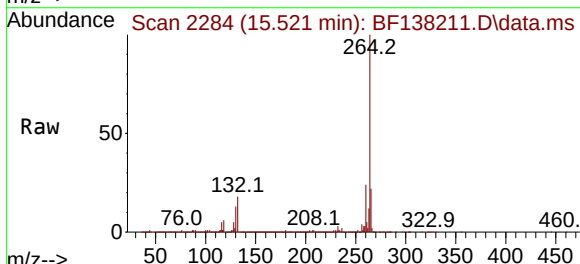
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

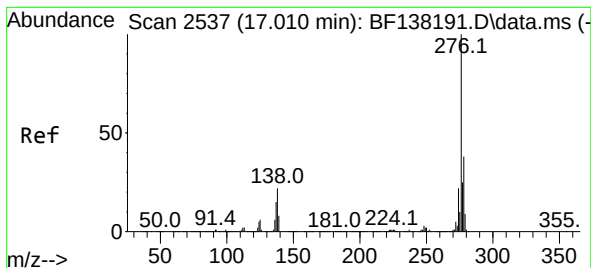
Tgt Ion:149 Resp: 2482189
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.8 7.8 11.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:264 Resp: 872455
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.366 ng

RT: 17.003 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

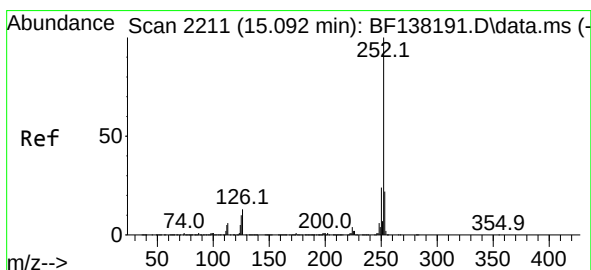
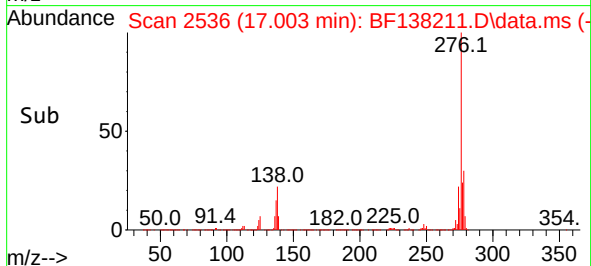
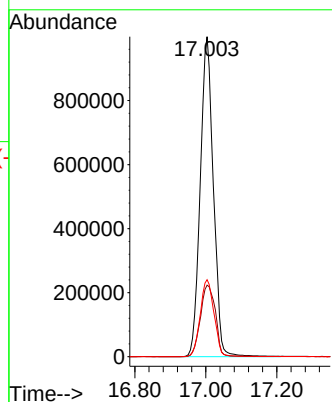
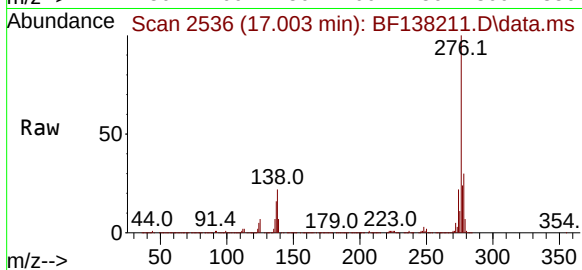
Tgt Ion:276 Resp: 2580230

Ion Ratio Lower Upper

276 100

138 25.5 19.3 28.9

277 25.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 45.503 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

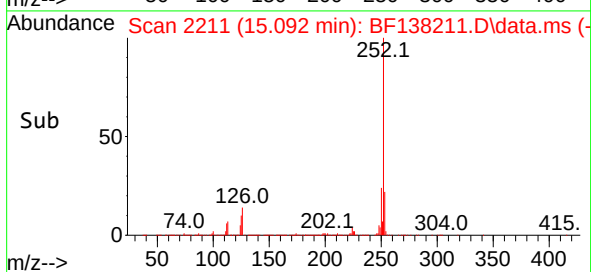
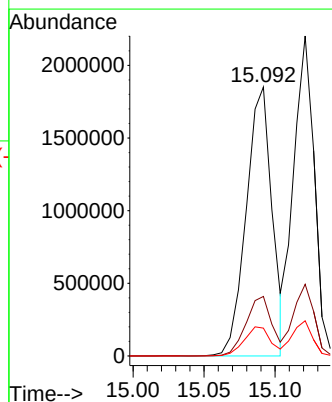
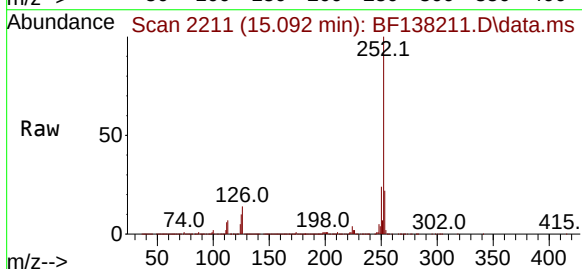
Tgt Ion:252 Resp: 2341140

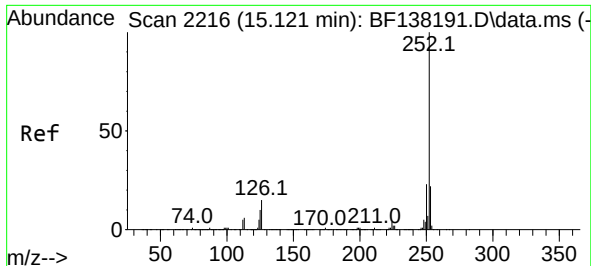
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.3 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 44.675 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

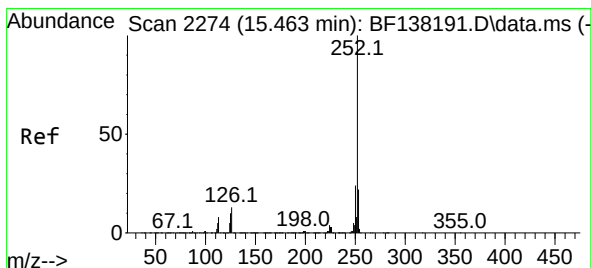
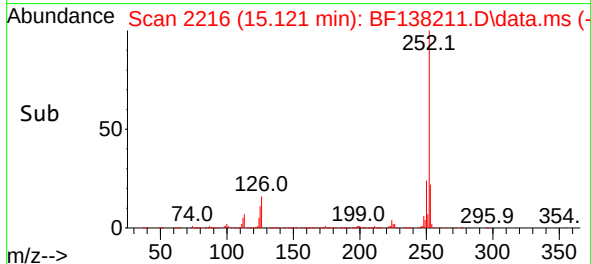
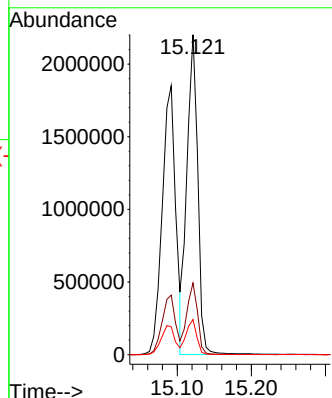
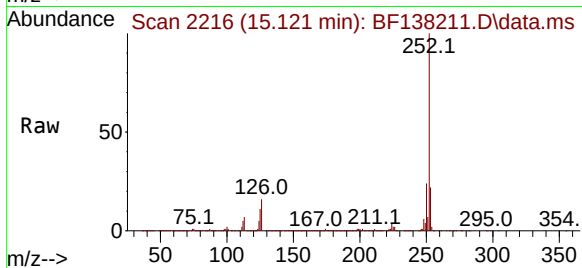
Tgt Ion:252 Resp: 2252598

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 11.0 8.0 12.0



#90

Benzo(a)pyrene

Concen: 48.995 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

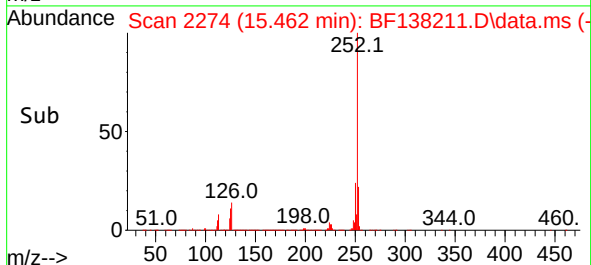
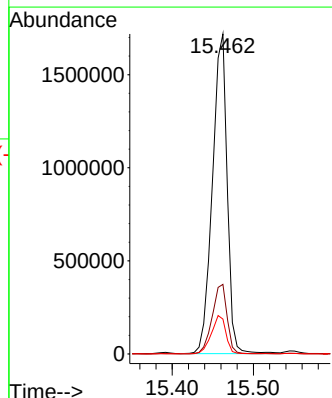
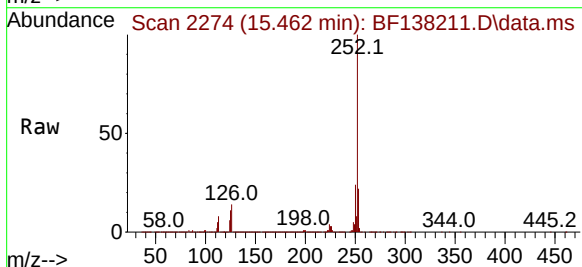
Tgt Ion:252 Resp: 2165600

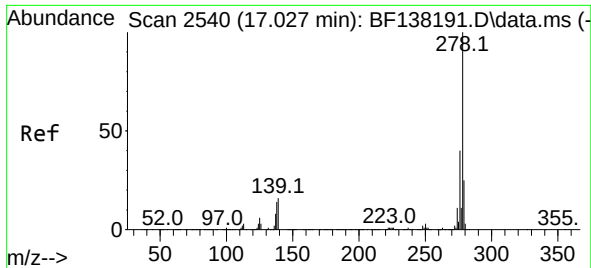
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 10.9 8.2 12.2

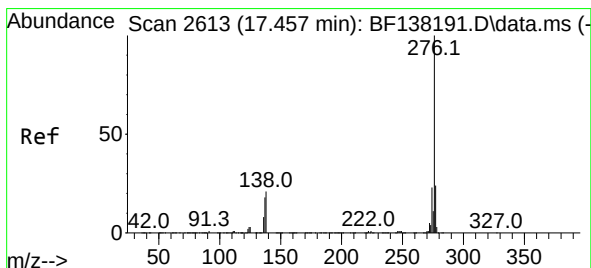
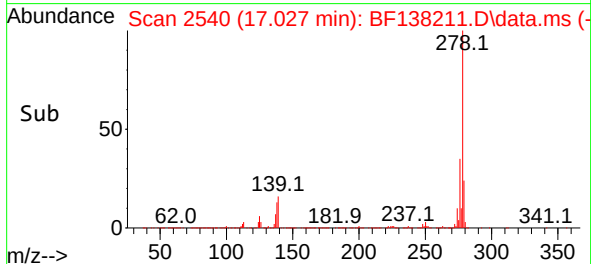
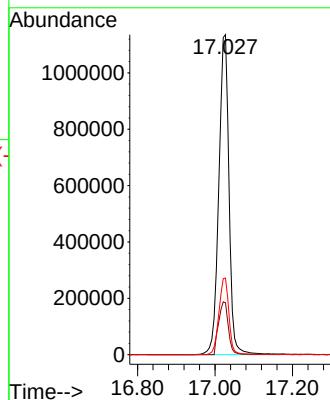
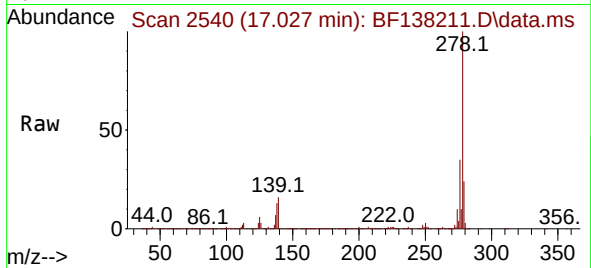




#91
Dibenzo(a,h)anthracene
Concen: 44.434 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

Tgt Ion:278 Resp: 2074349
Ion Ratio Lower Upper
278 100
139 16.2 12.9 19.3
279 24.0 19.9 29.9



#92
Benzo(g,h,i)perylene
Concen: 40.595 ng
RT: 17.450 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:276 Resp: 1960561
Ion Ratio Lower Upper
276 100
277 23.5 19.5 29.3
138 22.4 16.6 24.8

