

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138212.D
 Acq On : 17 Jun 2024 18:58
 Operator : CG\JU
 Sample : P2883-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMSD

Quant Time: Jun 18 00:54:06 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	391449	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1541360	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	848450	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	1462437	20.000	ng	0.00
76) Chrysene-d12	14.051	240	764249	20.000	ng	0.00
86) Perylene-d12	15.515	264	829469	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2632239	112.487	ng	0.01
7) Phenol-d6	6.522	99	3339768	112.554	ng	0.00
23) Nitrobenzene-d5	7.457	82	2069637	78.169	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	931865	110.325	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	3664039	68.671	ng	0.00
79) Terphenyl-d14	12.998	244	3887229	80.559	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.775	88	445115	41.565	ng	99
3) Pyridine	3.528	79	1163394	45.710	ng	99
4) n-Nitrosodimethylamine	3.487	42	588259	49.941	ng	94
6) Aniline	6.557	93	1157701	39.874	ng	99
8) 2-Chlorophenol	6.675	128	1297170	51.274	ng	94
9) Benzaldehyde	6.439	77	248920	15.795	ng	98
10) Phenol	6.539	94	1620006	53.798	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	1209765	50.197	ng	97
12) 1,3-Dichlorobenzene	6.834	146	1293727	44.997	ng	98
13) 1,4-Dichlorobenzene	6.910	146	1312858	45.374	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1260224	46.397	ng	99
15) Benzyl Alcohol	7.034	79	1068231	53.392	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1683488	49.495	ng	99
17) 2-Methylphenol	7.145	107	1025822	51.393	ng	98
18) Hexachloroethane	7.404	117	472258	48.178	ng	92
19) n-Nitroso-di-n-propyla...	7.310	70	876140	49.813	ng	98
20) 3+4-Methylphenols	7.298	107	1224898	48.755	ng	96
22) Acetophenone	7.304	105	1593772	45.264	ng	96
24) Nitrobenzene	7.475	77	1320526	48.257	ng	100
25) Isophorone	7.716	82	2401053	50.136	ng	99
26) 2-Nitrophenol	7.792	139	679125	61.719	ng	99
27) 2,4-Dimethylphenol	7.828	122	956642	57.145	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	1489952	49.701	ng	100
29) 2,4-Dichlorophenol	8.034	162	1066021	49.461	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	1139068	44.814	ng	98
31) Naphthalene	8.198	128	3445616	45.208	ng	98
32) Benzoic acid	7.957	122	807553	54.733	ng	99
33) 4-Chloroaniline	8.239	127	403422	14.162	ng	99
34) Hexachlorobutadiene	8.310	225	644838	43.378	ng	99
35) Caprolactam	8.616	113	223262	34.312	ng	95
36) 4-Chloro-3-methylphenol	8.722	107	1116220	52.016	ng	94
37) 2-Methylnaphthalene	8.886	142	2314522	46.272	ng	99
38) 1-Methylnaphthalene	8.986	142	2173212	44.335	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	1059077	42.716	ng	98
41) Hexachlorocyclopentadiene	9.039	237	1131544	139.967	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	778946	50.176	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138212.D
 Acq On : 17 Jun 2024 18:58
 Operator : CG\JU
 Sample : P2883-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

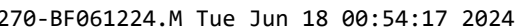
Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMSD

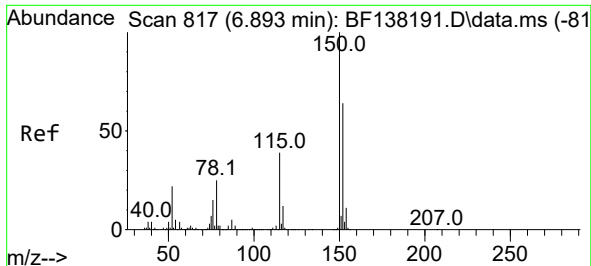
Quant Time: Jun 18 00:54:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	828236	48.581	ng	97
46) 1,1'-Biphenyl	9.351	154	2732595	43.891	ng	99
47) 2-Chloronaphthalene	9.375	162	2222686	45.174	ng	99
48) 2-Nitroaniline	9.475	65	666217	56.224	ng	93
49) Acenaphthylene	9.792	152	3382863	49.031	ng	98
50) Dimethylphthalate	9.657	163	2537116	48.805	ng	99
51) 2,6-Dinitrotoluene	9.716	165	593524	52.628	ng	92
52) Acenaphthene	9.963	154	2370476	50.385	ng	99
53) 3-Nitroaniline	9.880	138	456308	37.875	ng	99
54) 2,4-Dinitrophenol	9.986	184	587742	95.482	ng	98
55) Dibenzofuran	10.139	168	3032896	46.114	ng	100
56) 4-Nitrophenol	10.045	139	972171	102.110	ng	91
57) 2,4-Dinitrotoluene	10.116	165	798531	57.407	ng	# 84
58) Fluorene	10.480	166	2313327	44.736	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	667753	50.117	ng	97
60) Diethylphthalate	10.351	149	2449761	49.652	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	1164333	45.210	ng	98
62) 4-Nitroaniline	10.504	138	580435	48.219	ng	93
63) Azobenzene	10.633	77	2445398	49.472	ng	94
65) 4,6-Dinitro-2-methylph...	10.522	198	403645	53.275	ng	95
66) n-Nitrosodiphenylamine	10.592	169	2112437	47.181	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	780395	47.357	ng	# 89
68) Hexachlorobenzene	11.022	284	869588	45.218	ng	97
69) Atrazine	11.116	200	686394	53.823	ng	97
70) Pentachlorophenol	11.216	266	1030144	91.848	ng	98
71) Phenanthrene	11.439	178	3355958	46.402	ng	99
72) Anthracene	11.492	178	3400040	47.350	ng	98
73) Carbazole	11.645	167	2965386	45.026	ng	99
74) Di-n-butylphthalate	11.974	149	3608157	52.920	ng	99
75) Fluoranthene	12.627	202	3300385	44.752	ng	99
77) Benzidine	12.745	184	983060	111.208	ng	99
78) Pyrene	12.857	202	3295875	49.997	ng	99
80) Butylbenzylphthalate	13.474	149	1357563	75.710	ng	99
81) Benzo(a)anthracene	14.039	228	2442627	49.819	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	644840	47.759	ng	# 99
83) Chrysene	14.074	228	2372471	50.765	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	1739528	83.411	ng	97
85) Di-n-octyl phthalate	14.645	149	2611032	84.275	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	2578077	47.677	ng	98
88) Benzo(b)fluoranthene	15.092	252	2436209	49.805	ng	99
89) Benzo(k)fluoranthene	15.121	252	2299436	47.967	ng	99
90) Benzo(a)pyrene	15.462	252	2225171	52.952	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	2071340	46.669	ng	99
92) Benzo(g,h,i)perylene	17.451	276	1959992	42.687	ng	98

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

Quant Time: Jun 18 00:54:06 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

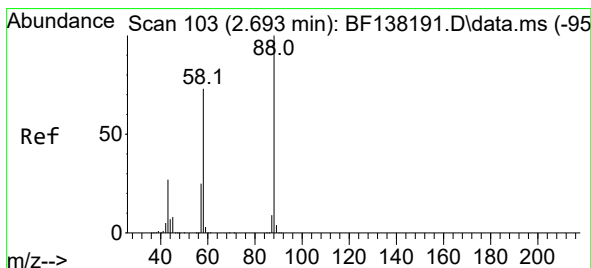
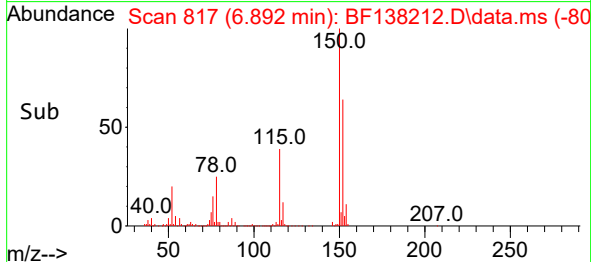
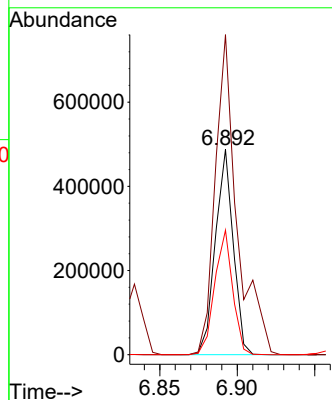
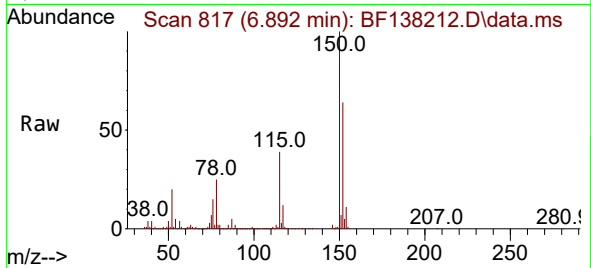




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BF138212.D
 Acq: 17 Jun 2024 18:58

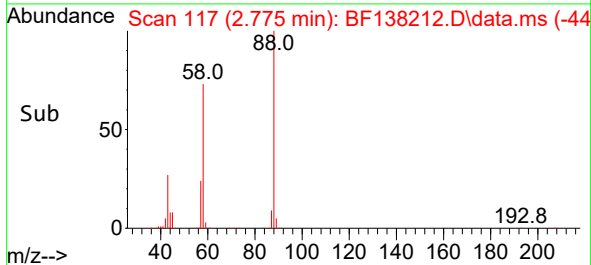
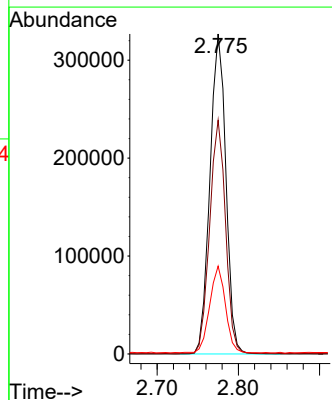
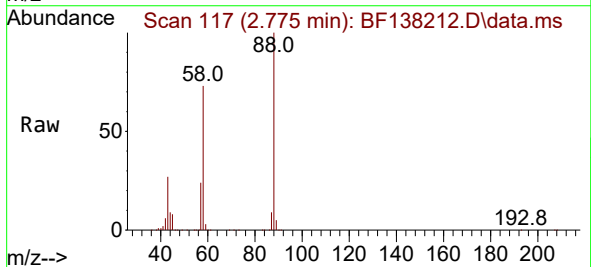
Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMSD

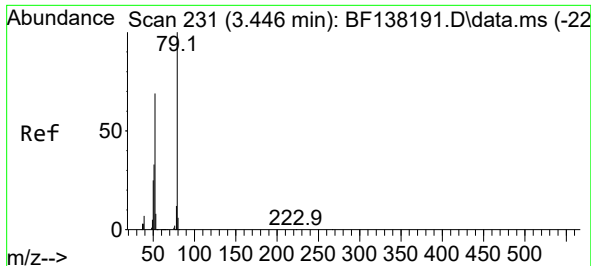
Tgt Ion:152 Resp: 391449
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.0 187.4
 115 60.6 48.4 72.6



#2
 1,4-Dioxane
 Concen: 41.565 ng
 RT: 2.775 min Scan# 117
 Delta R.T. 0.082 min
 Lab File: BF138212.D
 Acq: 17 Jun 2024 18:58

Tgt Ion: 88 Resp: 445115
 Ion Ratio Lower Upper
 88 100
 58 72.5 58.6 87.8
 43 26.9 22.4 33.6





#3

Pyridine

Concen: 45.710 ng

RT: 3.528 min Scan# 245

Delta R.T. 0.082 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

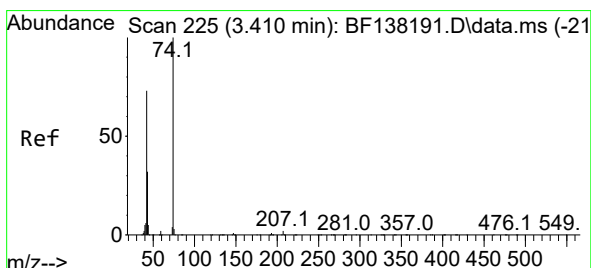
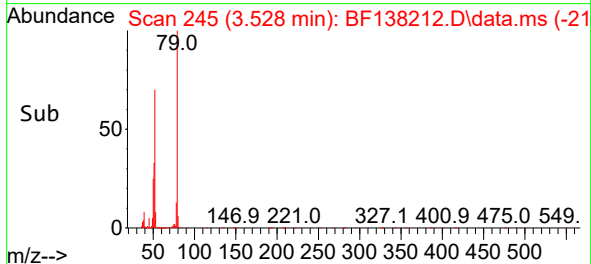
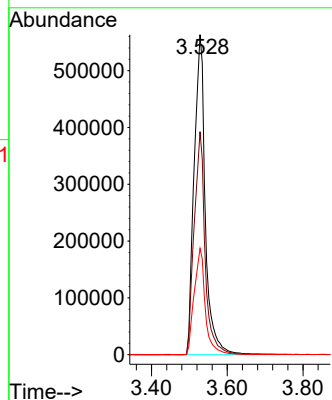
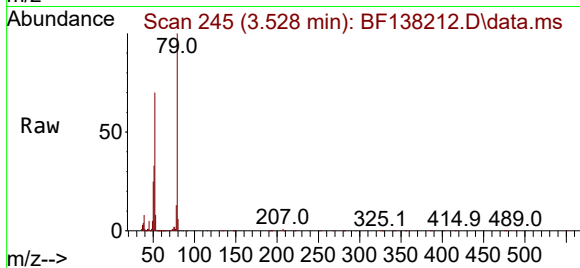
BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion: 79 Resp: 1163394

Ion	Ratio	Lower	Upper
79	100		
52	69.7	55.0	82.4
51	33.2	26.9	40.3



#4

n-Nitrosodimethylamine

Concen: 49.941 ng

RT: 3.487 min Scan# 238

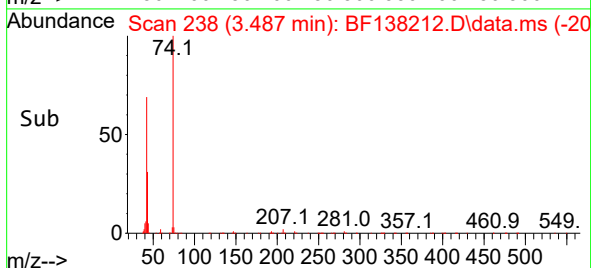
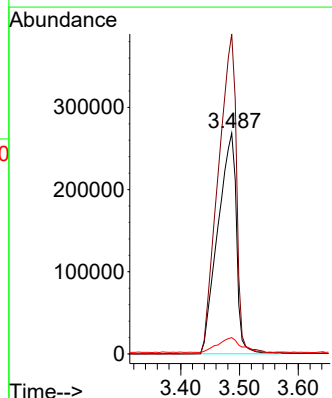
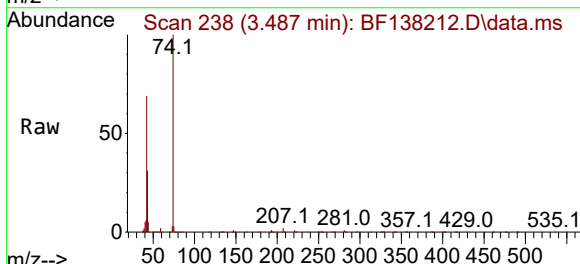
Delta R.T. 0.076 min

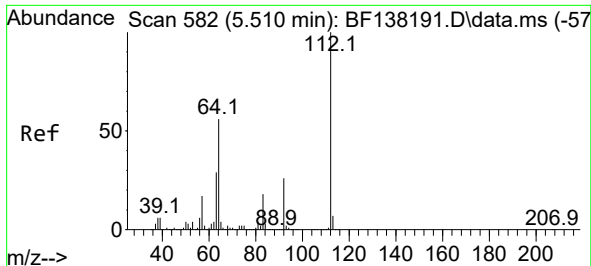
Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion: 42 Resp: 588259

Ion	Ratio	Lower	Upper
42	100		
74	144.9	109.9	164.9
44	7.4	5.2	7.8

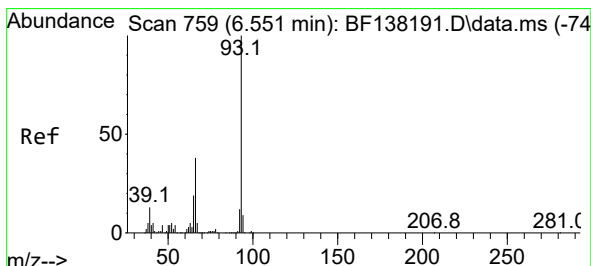
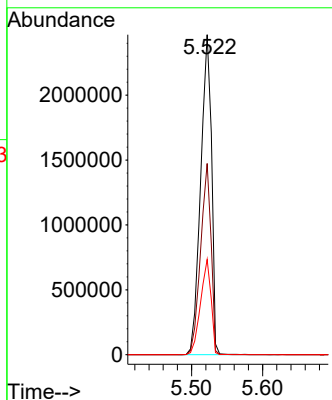
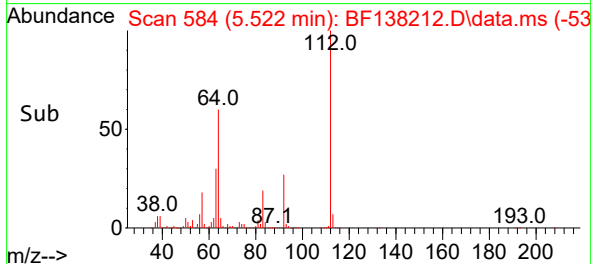
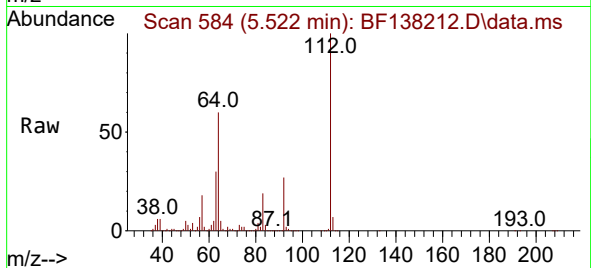




#5
2-Fluorophenol
Concen: 112.487 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

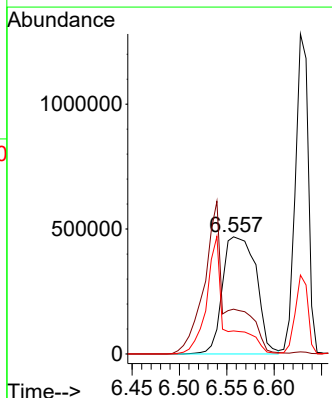
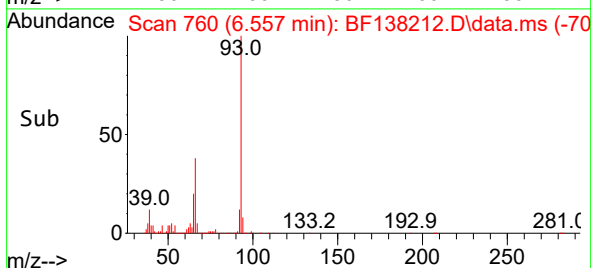
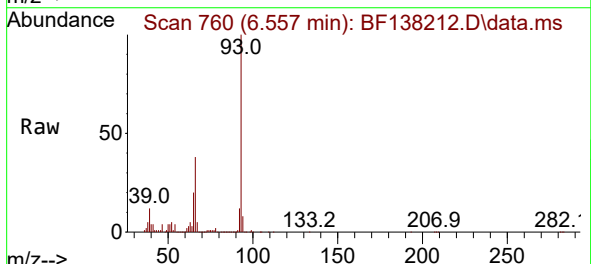
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

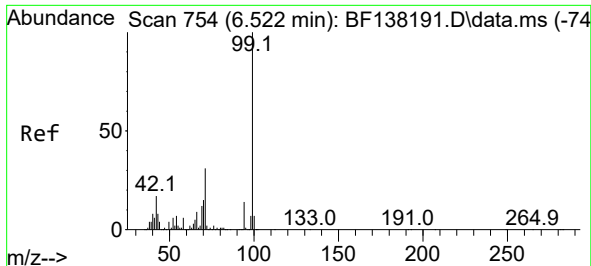
Tgt Ion:112 Resp: 2632239
Ion Ratio Lower Upper
112 100
64 59.8 45.2 67.8
63 29.7 22.9 34.3



#6
Aniline
Concen: 39.874 ng
RT: 6.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 93 Resp: 1157701
Ion Ratio Lower Upper
93 100
66 38.2 30.8 46.2
65 19.7 15.5 23.3

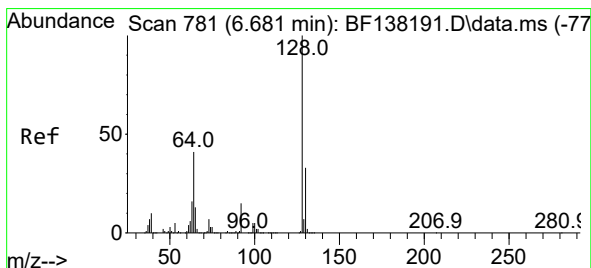
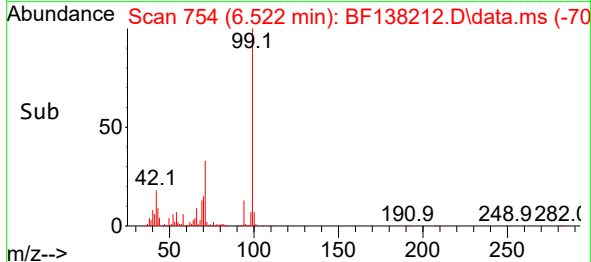
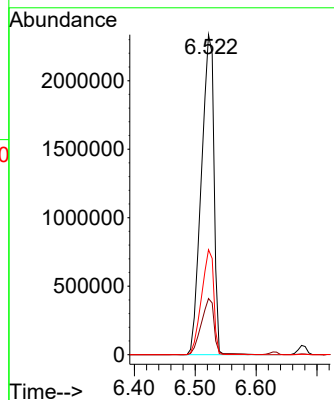
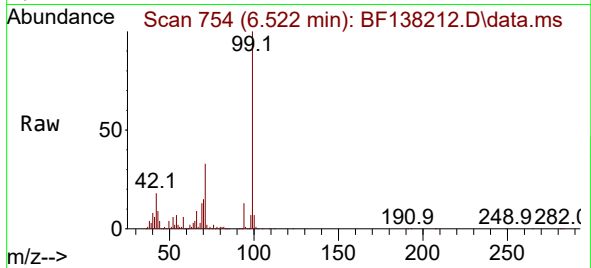




#7
Phenol-d6
Concen: 112.554 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

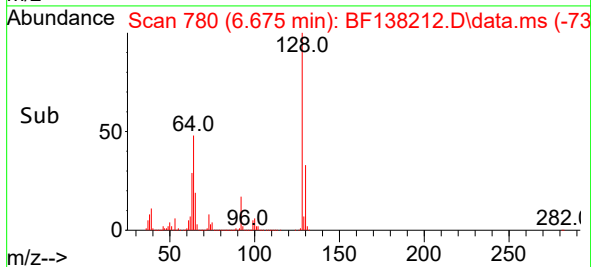
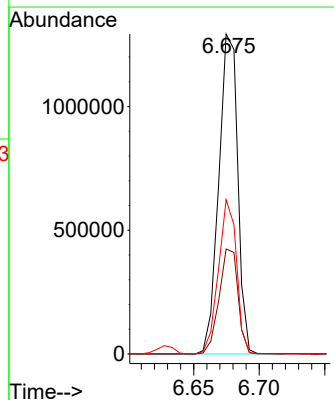
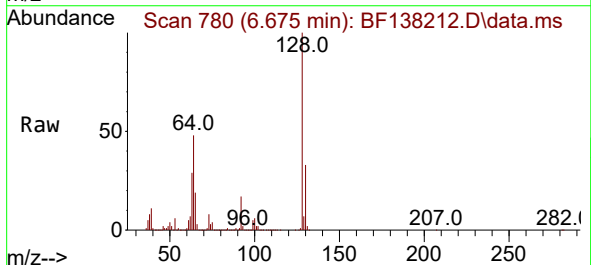
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

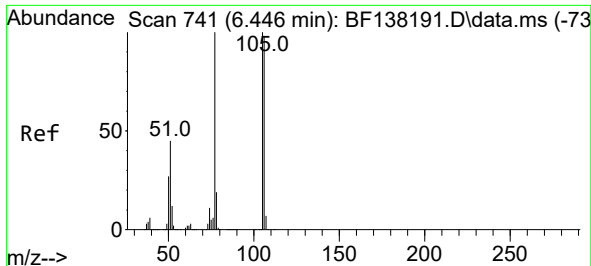
Tgt Ion: 99 Resp: 3339768
Ion Ratio Lower Upper
99 100
42 17.6 13.7 20.5
71 32.8 25.0 37.6



#8
2-Chlorophenol
Concen: 51.274 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:128 Resp: 1297170
Ion Ratio Lower Upper
128 100
130 32.8 13.1 53.1
64 48.2 21.8 61.8

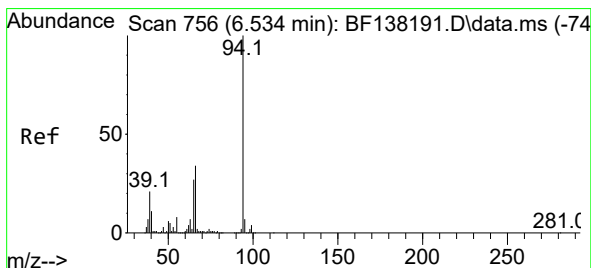
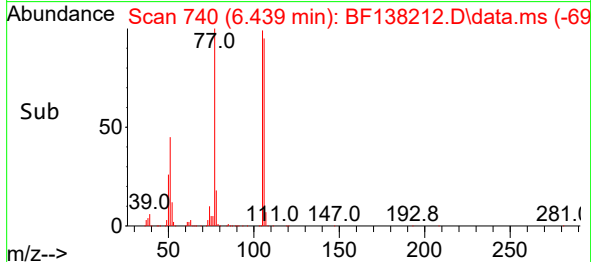
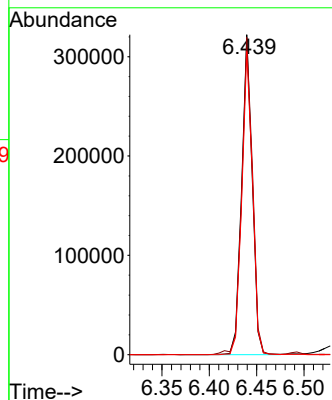
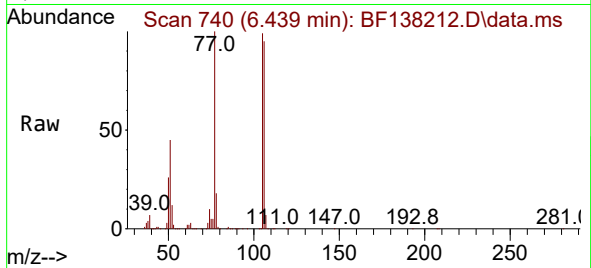




#9
Benzaldehyde
Concen: 15.795 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.007 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

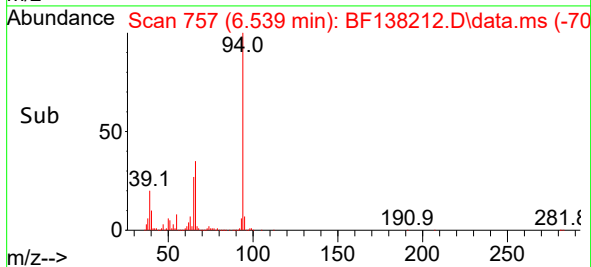
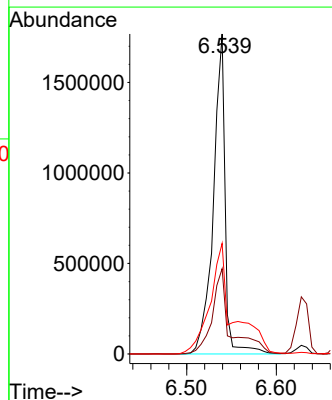
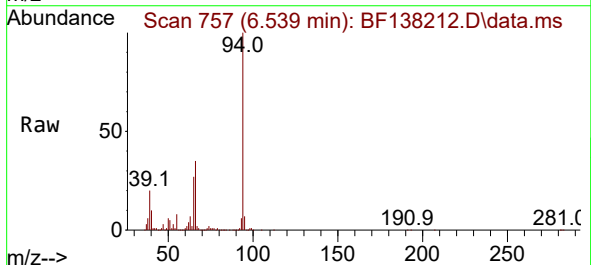
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

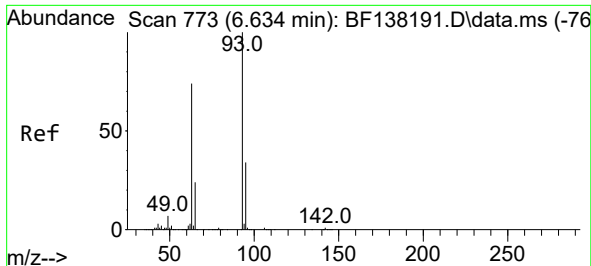
Tgt Ion: 77 Resp: 248920
Ion Ratio Lower Upper
77 100
105 99.1 80.1 120.1
106 94.8 77.8 117.8



#10
Phenol
Concen: 53.798 ng
RT: 6.539 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 94 Resp: 1620006
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 34.6 14.2 54.2

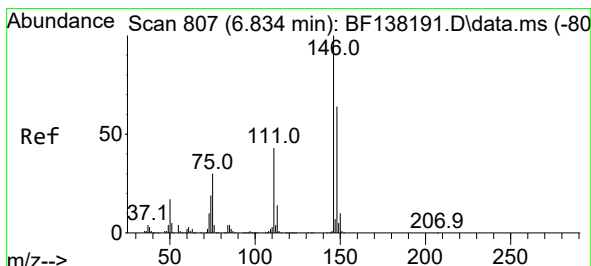
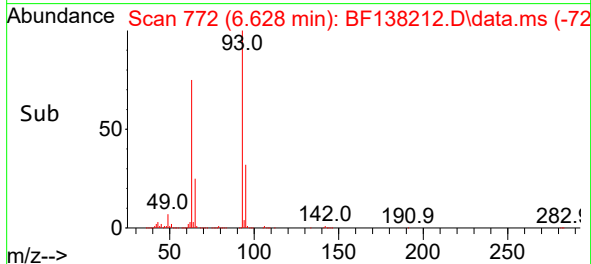
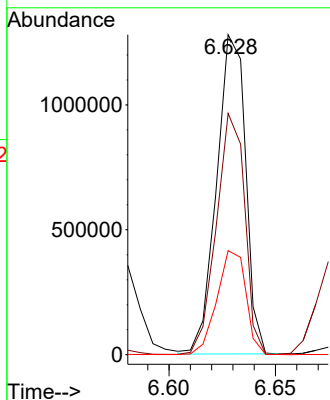
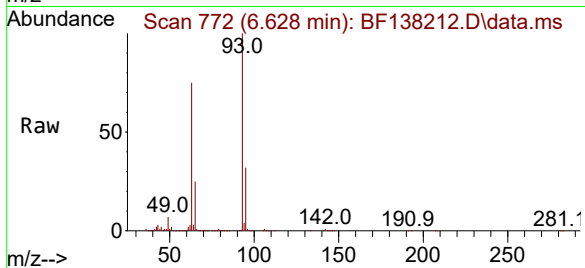




#11
bis(2-Chloroethyl)ether
Concen: 50.197 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

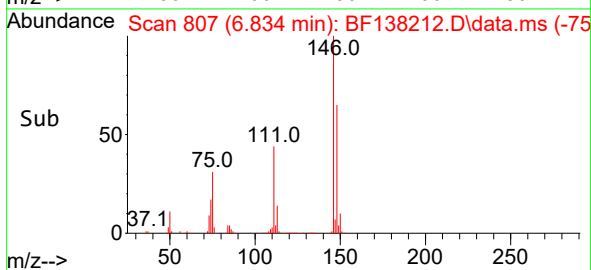
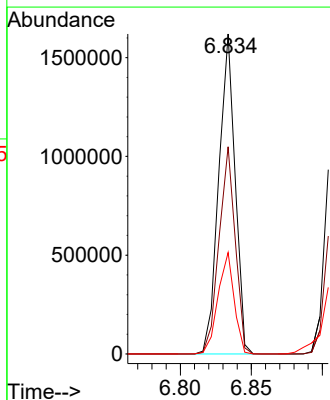
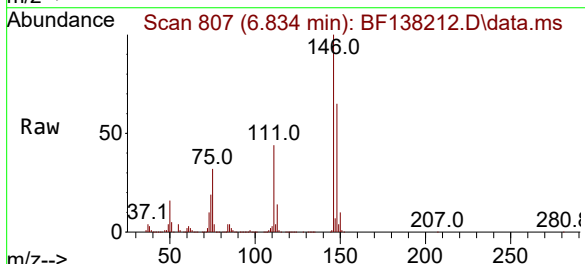
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

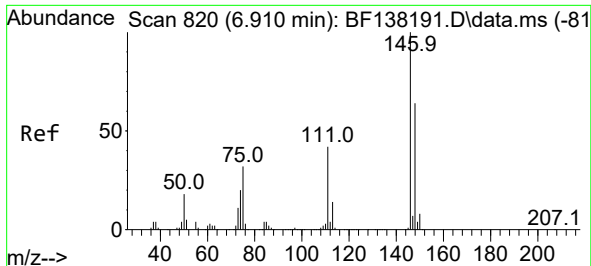
Tgt Ion: 93 Resp: 1209765
Ion Ratio Lower Upper
93 100
63 75.4 52.5 92.5
95 32.5 13.2 53.2



#12
1,3-Dichlorobenzene
Concen: 44.997 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 146 Resp: 1293727
Ion Ratio Lower Upper
146 100
148 64.7 51.0 76.6
75 31.7 24.3 36.5

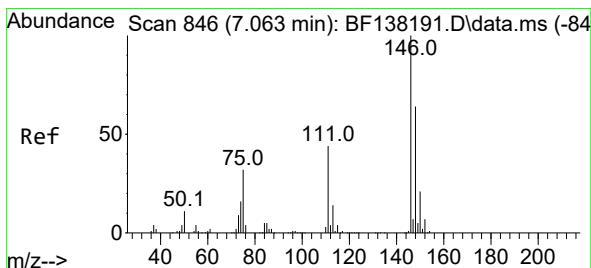
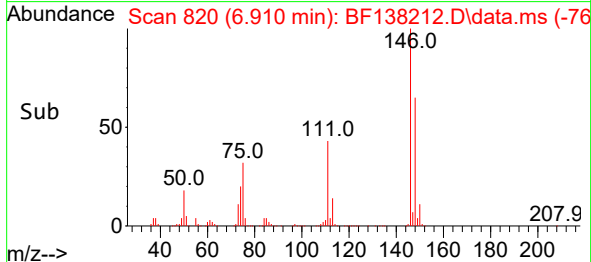
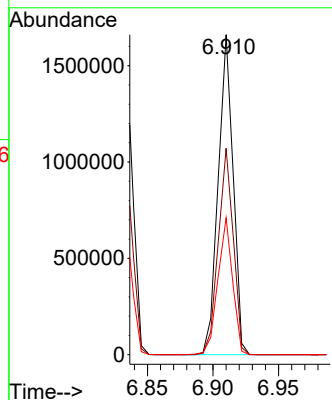
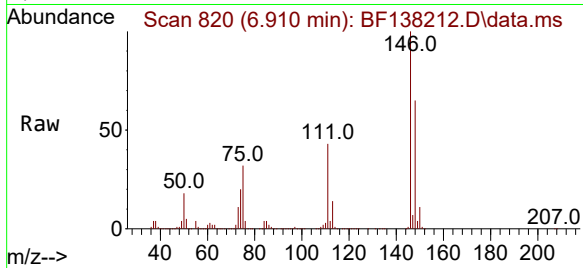




#13
1,4-Dichlorobenzene
Concen: 45.374 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

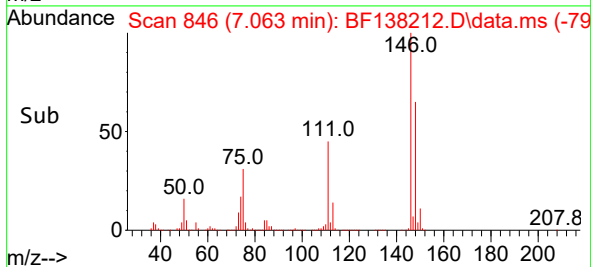
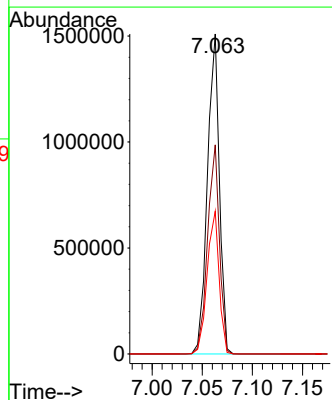
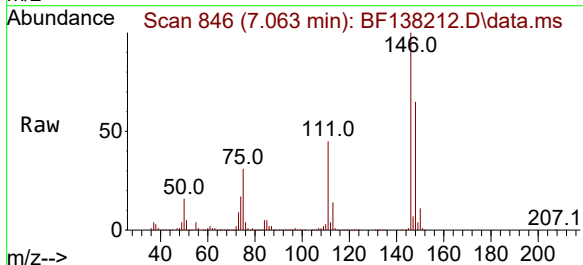
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

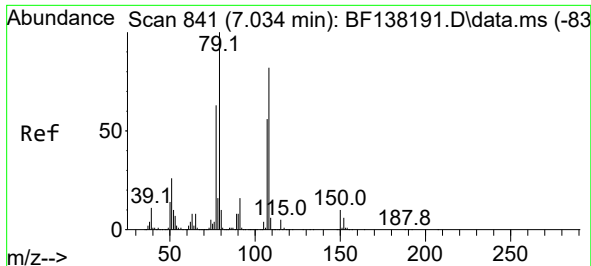
Tgt Ion:146 Resp: 1312858
Ion Ratio Lower Upper
146 100
148 64.5 51.1 76.7
111 42.8 33.7 50.5



#14
1,2-Dichlorobenzene
Concen: 46.397 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:146 Resp: 1260224
Ion Ratio Lower Upper
146 100
148 65.3 51.2 76.8
111 44.6 35.4 53.2





#15

Benzyl Alcohol

Concen: 53.392 ng

RT: 7.034 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

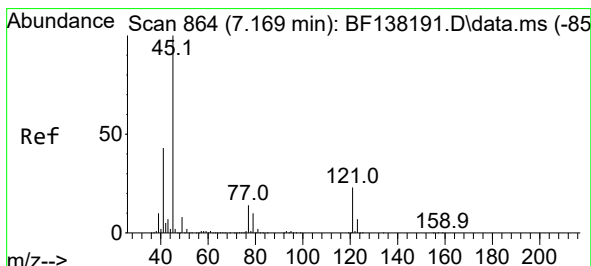
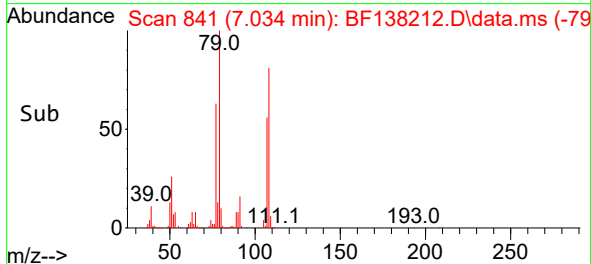
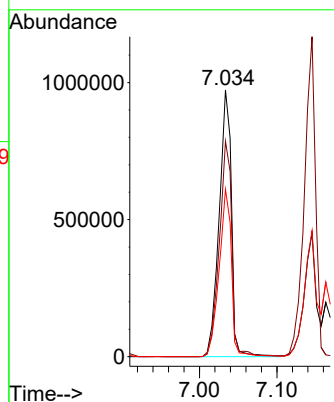
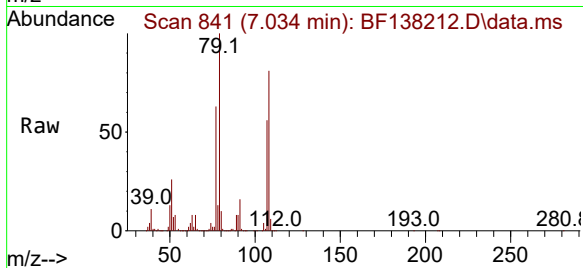
BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion: 79 Resp: 1068231

Ion	Ratio	Lower	Upper
79	100		
108	80.8	65.9	98.9
77	62.8	50.3	75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.495 ng

RT: 7.163 min Scan# 863

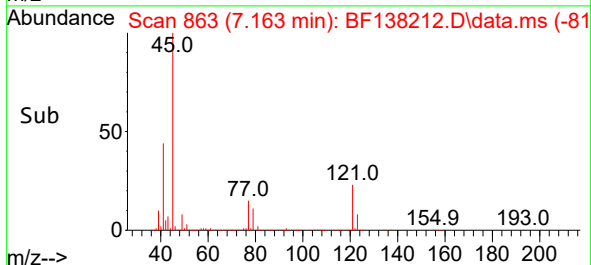
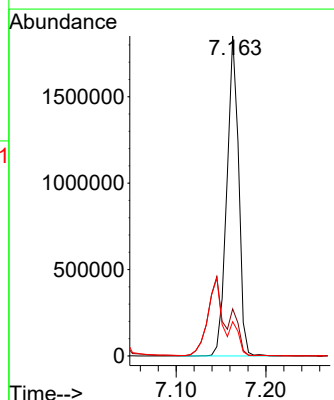
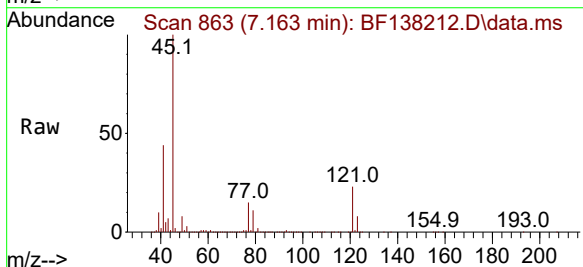
Delta R.T. -0.006 min

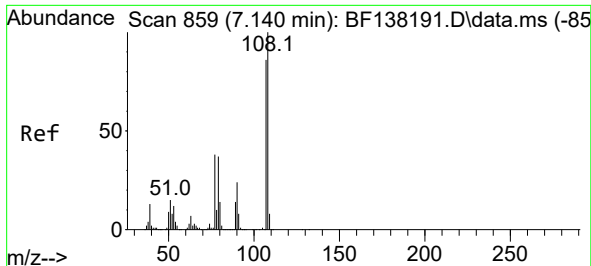
Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion: 45 Resp: 1683488

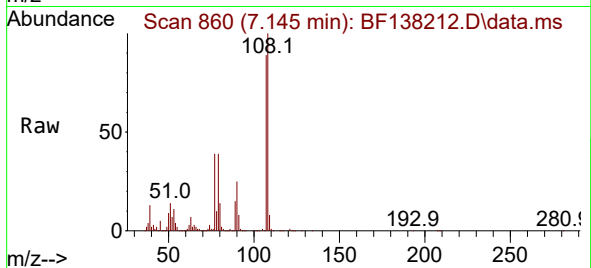
Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	33.9
79	10.7	0.0	30.7





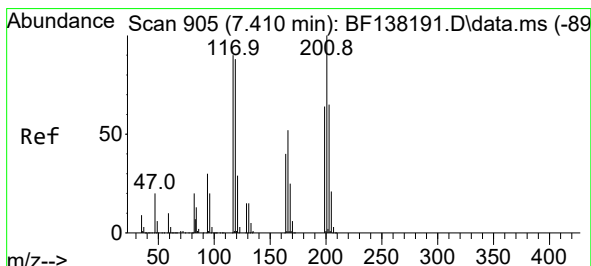
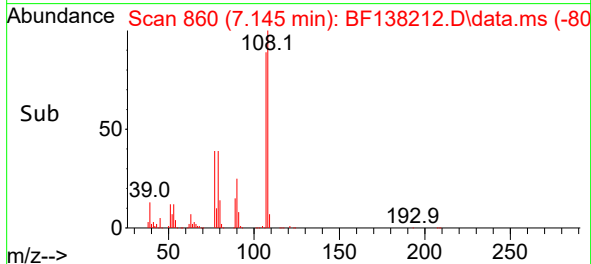
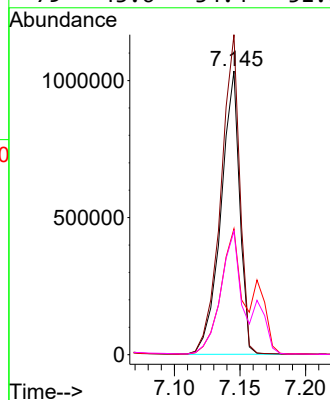
#17
2-Methylphenol
Concen: 51.393 ng
RT: 7.145 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion:107 Resp: 1025822

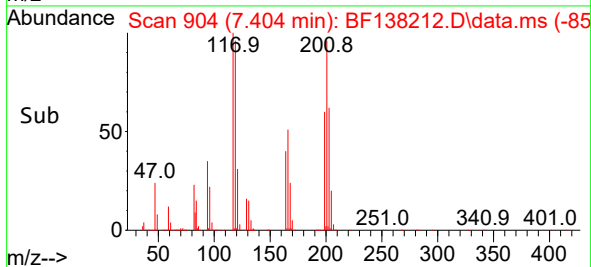
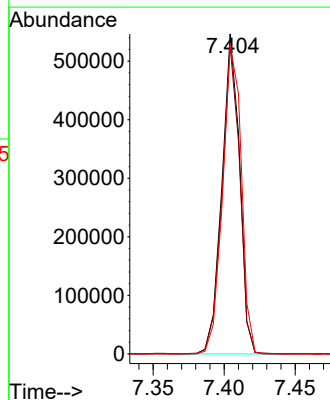
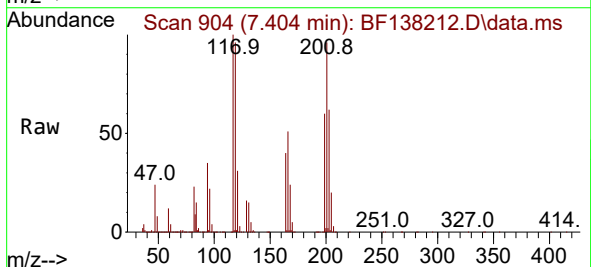
Ion	Ratio	Lower	Upper
107	100		
108	112.8	92.7	139.1
77	44.4	35.7	53.5
79	43.6	34.4	51.6

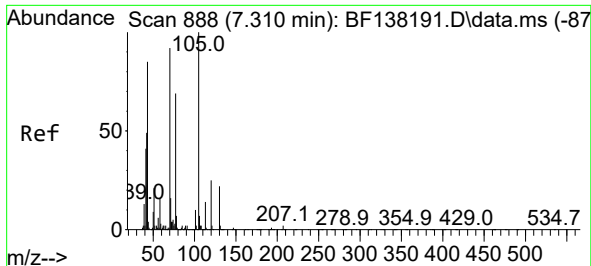


#18
Hexachloroethane
Concen: 48.178 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:117 Resp: 472258

Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.4	117.6
201	96.4	89.0	133.6

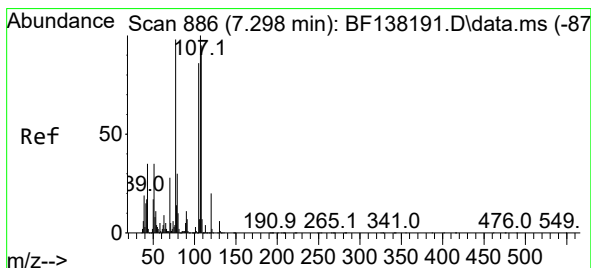
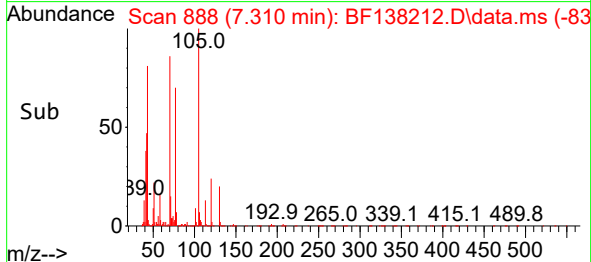
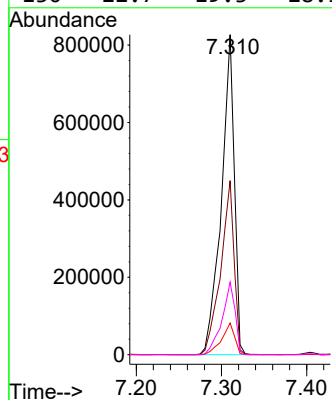
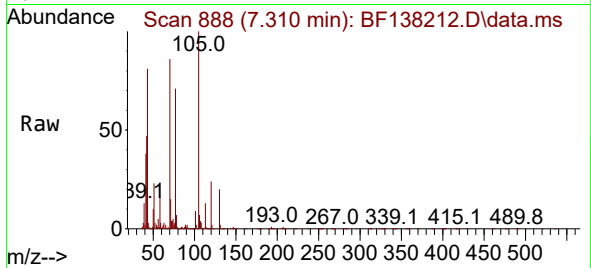




#19
n-Nitroso-di-n-propylamine
Concen: 49.813 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

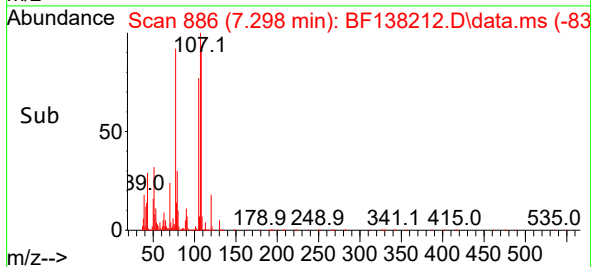
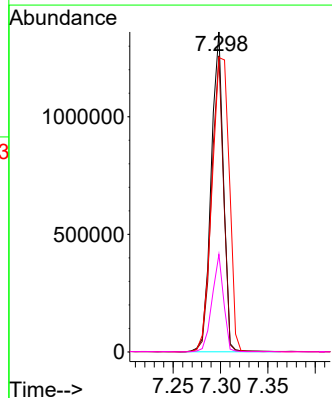
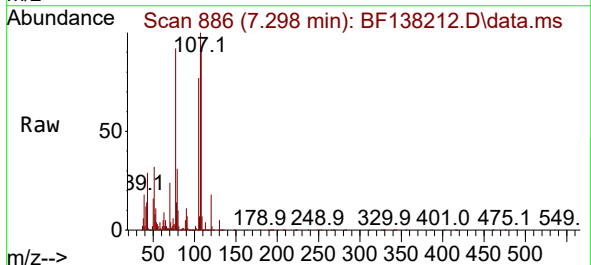
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

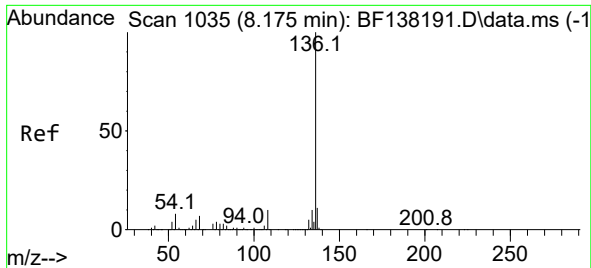
Tgt Ion: 70 Resp: 876140
Ion Ratio Lower Upper
70 100
42 54.4 42.8 64.2
101 9.9 8.4 12.6
130 22.7 19.3 28.9



#20
3+4-Methylphenols
Concen: 48.755 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 107 Resp: 1224898
Ion Ratio Lower Upper
107 100
108 92.6 74.9 114.9
77 92.0 78.2 118.2
79 30.5 10.1 50.1

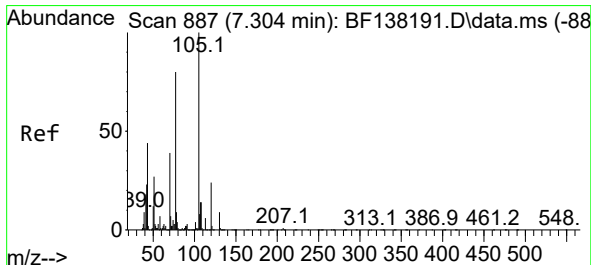
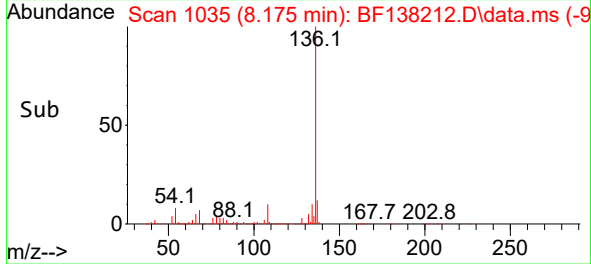
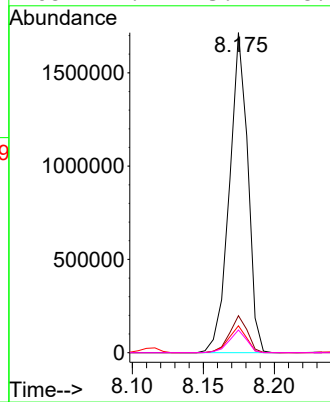
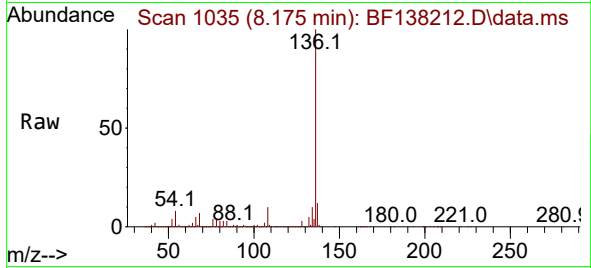




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

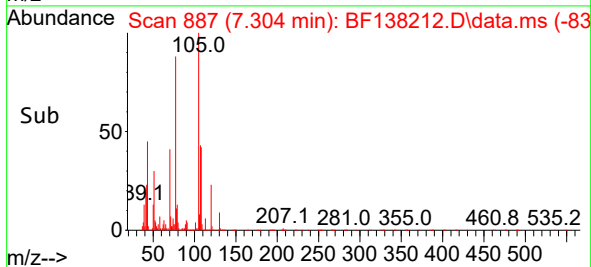
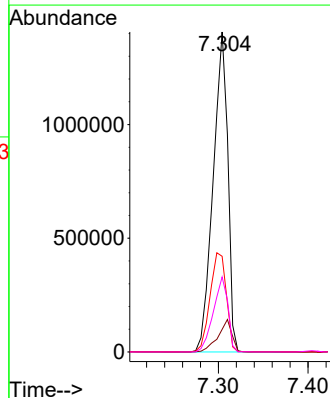
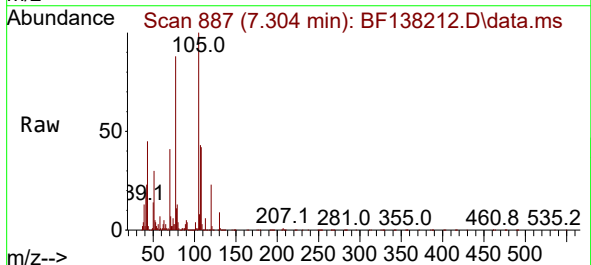
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

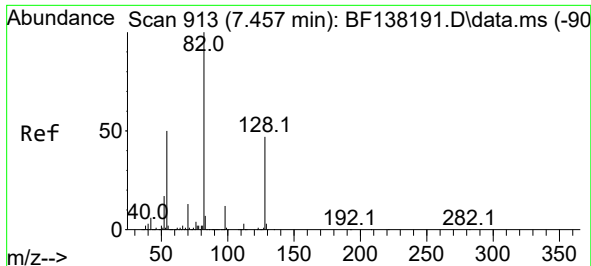
Tgt Ion:136 Resp: 1541360
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 8.4 6.6 10.0
68 7.1 5.4 8.2



#22
Acetophenone
Concen: 45.264 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:105 Resp: 1593772
Ion Ratio Lower Upper
105 100
71 7.0 5.4 8.2
51 29.9 21.4 32.0
120 23.5 19.4 29.2





#23

Nitrobenzene-d5

Concen: 78.169 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

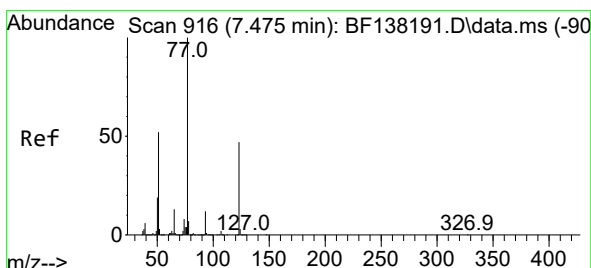
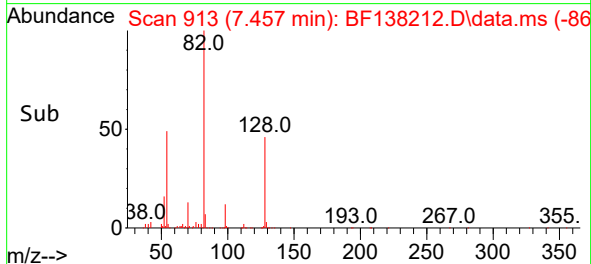
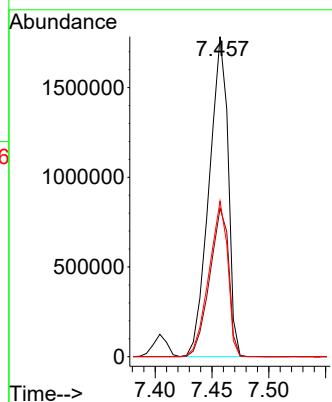
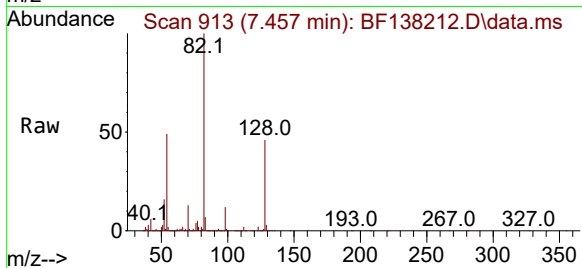
BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion: 82 Resp: 2069637

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.2	55.8
54	48.6	39.8	59.6



#24

Nitrobenzene

Concen: 48.257 ng

RT: 7.475 min Scan# 916

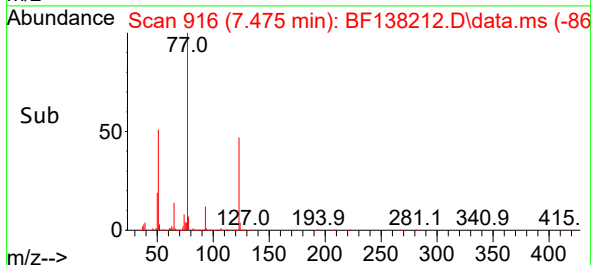
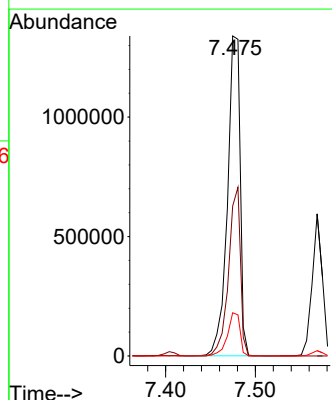
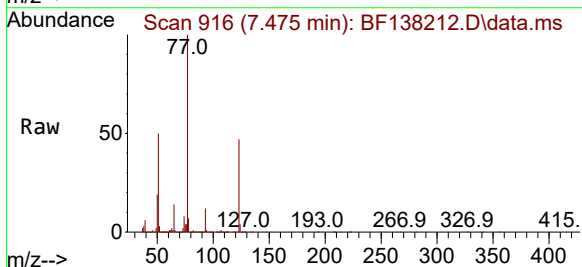
Delta R.T. -0.000 min

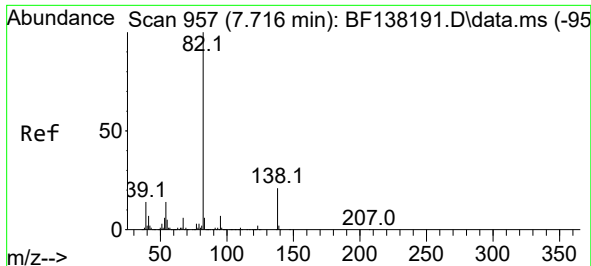
Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion: 77 Resp: 1320526

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.3	55.9
65	13.5	10.6	15.8

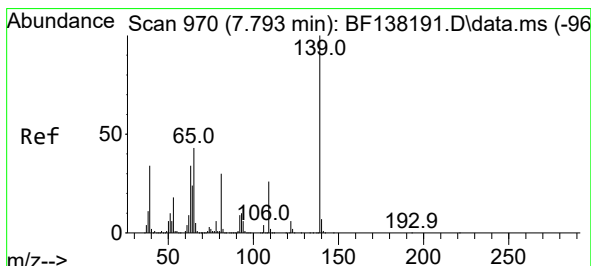
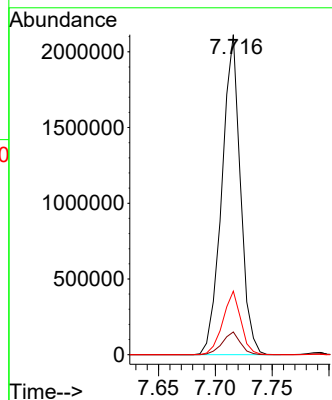
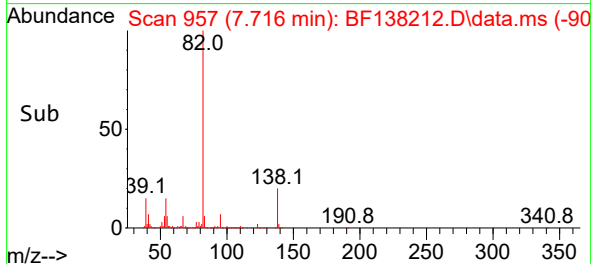
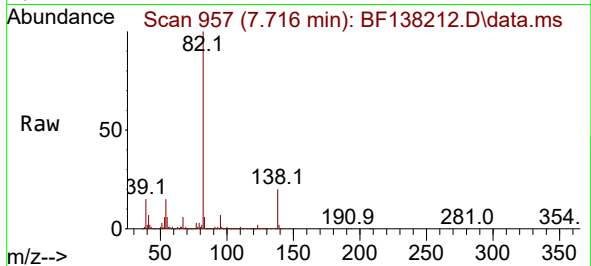




#25
Isophorone
Concen: 50.136 ng
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

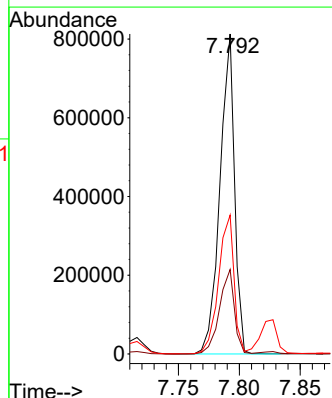
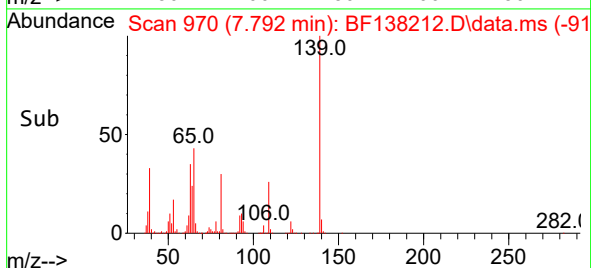
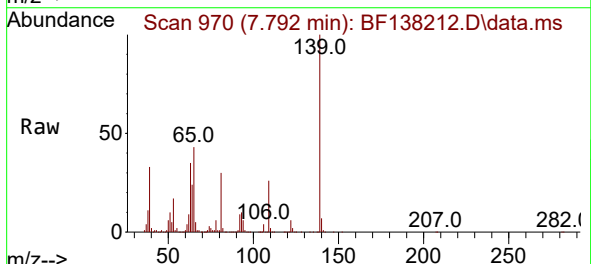
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

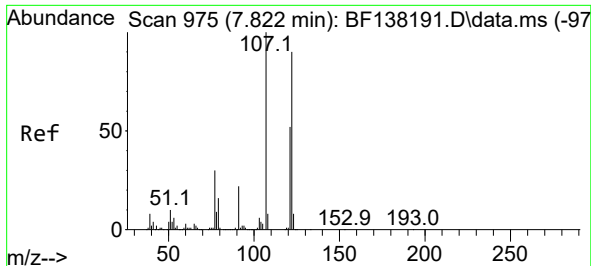
Tgt Ion: 82 Resp: 2401053
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 19.9 16.4 24.6



#26
2-Nitrophenol
Concen: 61.719 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.001 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 139 Resp: 679125
Ion Ratio Lower Upper
139 100
109 26.4 20.7 31.1
65 43.4 34.5 51.7

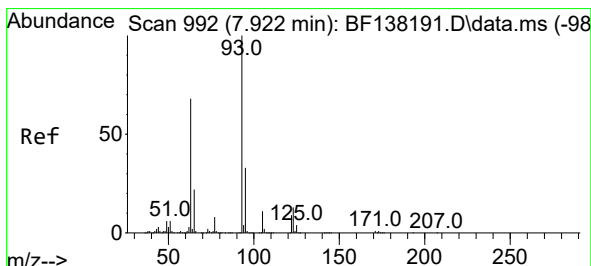
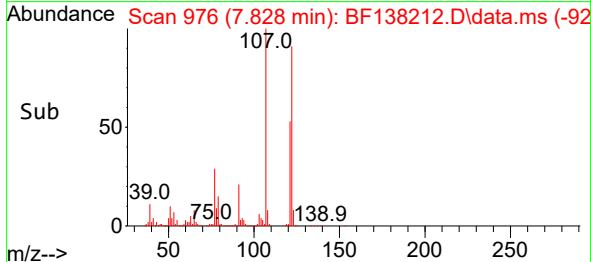
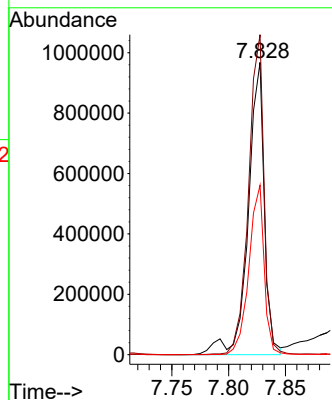
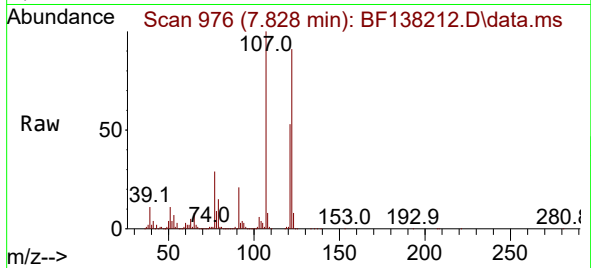




#27
2,4-Dimethylphenol
Concen: 57.145 ng
RT: 7.828 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

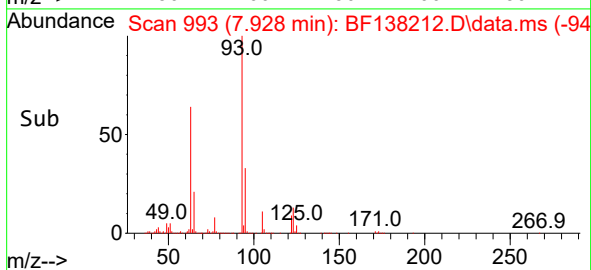
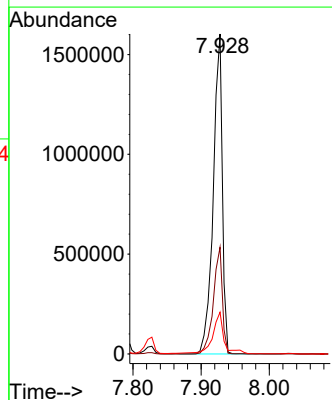
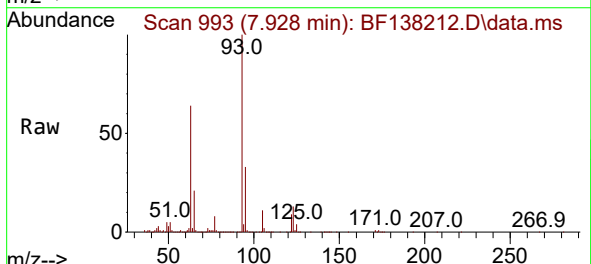
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

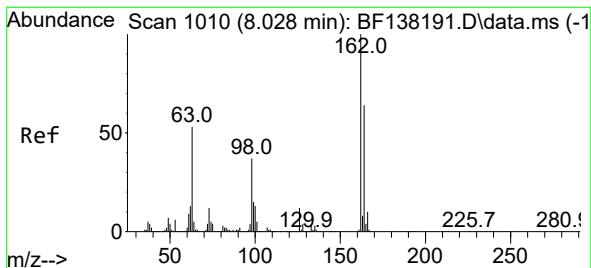
Tgt Ion:122 Resp: 956642
Ion Ratio Lower Upper
122 100
107 109.5 87.7 131.5
121 58.0 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 49.701 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 93 Resp: 1489952
Ion Ratio Lower Upper
93 100
95 33.3 26.6 39.8
123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 49.461 ng

RT: 8.034 min Scan# 1010

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

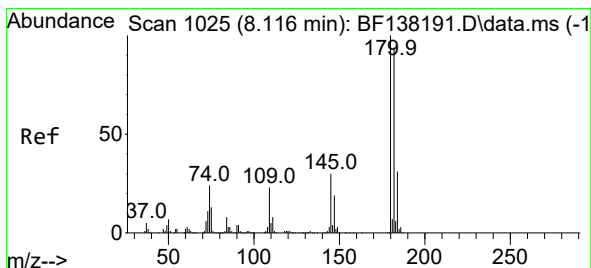
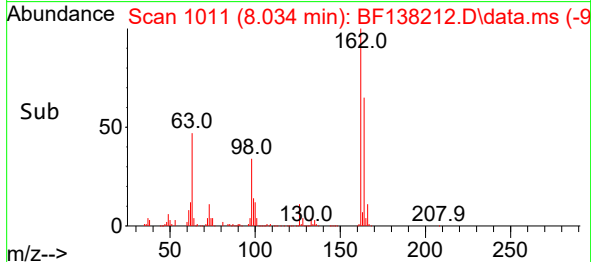
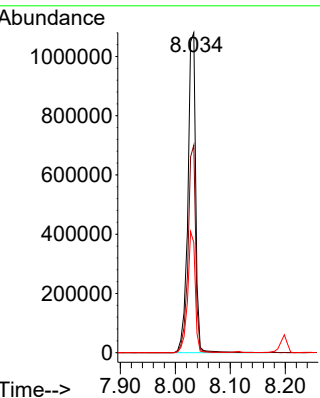
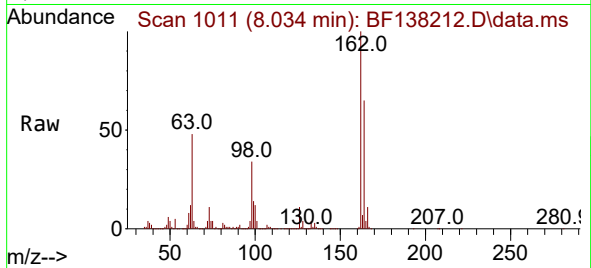
Tgt Ion:162 Resp: 1066021

Ion Ratio Lower Upper

162 100

164 64.8 44.3 84.3

98 34.4 16.5 56.5



#30

1,2,4-Trichlorobenzene

Concen: 44.814 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

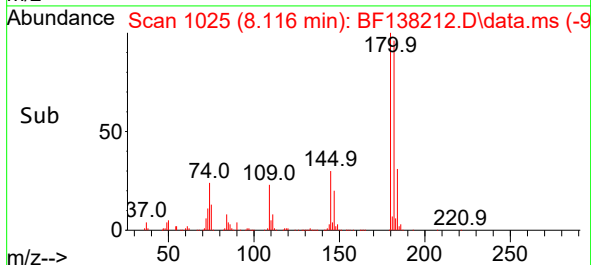
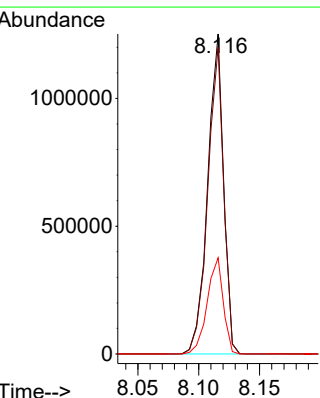
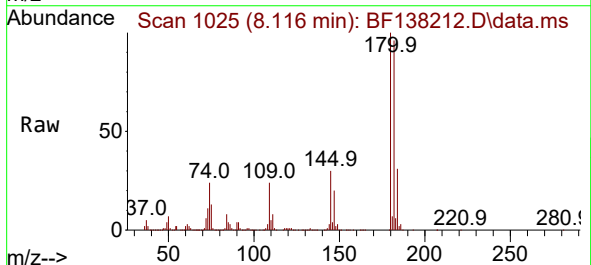
Tgt Ion:180 Resp: 1139068

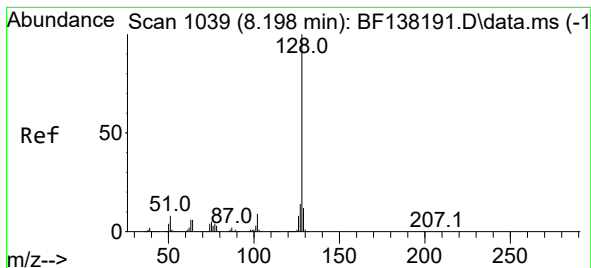
Ion Ratio Lower Upper

180 100

182 95.9 75.0 112.6

145 30.0 23.8 35.6





#31

Naphthalene

Concen: 45.208 ng

RT: 8.198 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

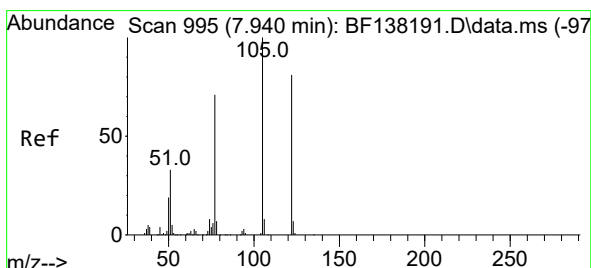
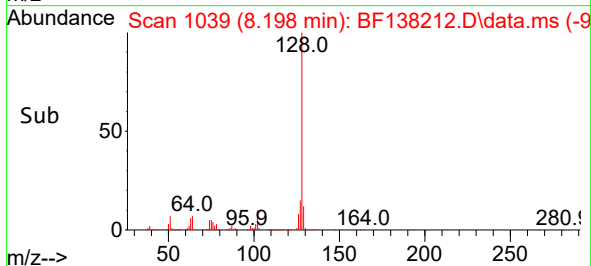
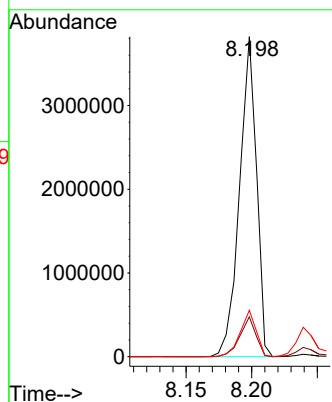
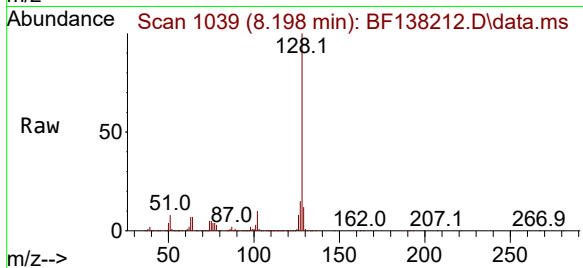
Tgt Ion:128 Resp: 3445616

Ion Ratio Lower Upper

128 100

129 12.4 9.5 14.3

127 14.5 11.0 16.6



#32

Benzoic acid

Concen: 54.733 ng

RT: 7.957 min Scan# 998

Delta R.T. 0.017 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

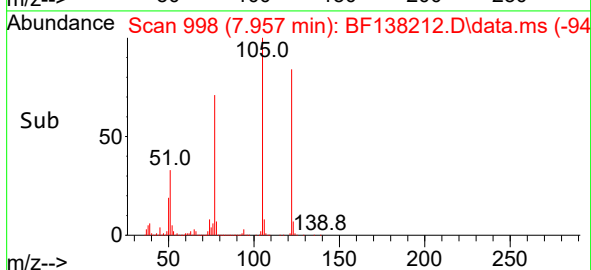
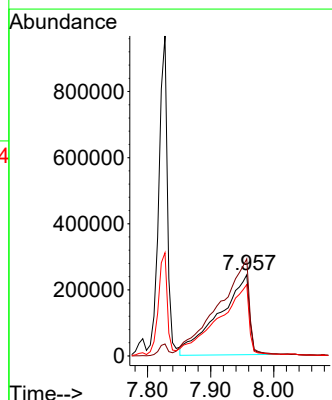
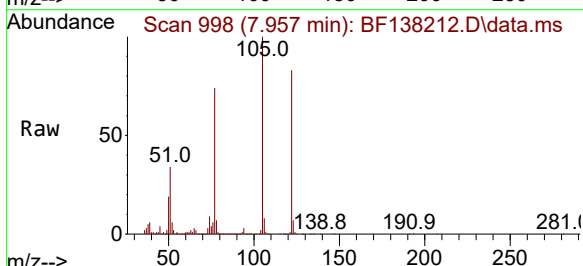
Tgt Ion:122 Resp: 807553

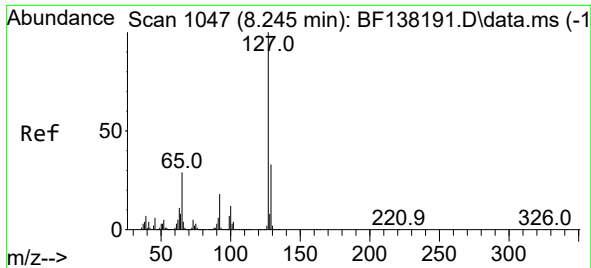
Ion Ratio Lower Upper

122 100

105 119.9 100.1 140.1

77 88.1 66.5 106.5

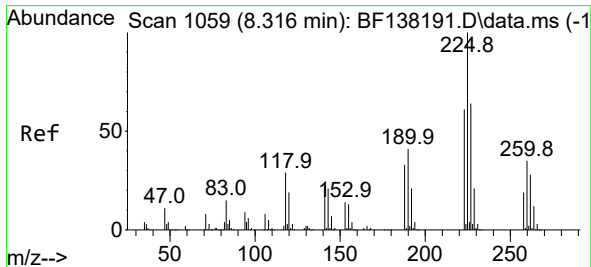
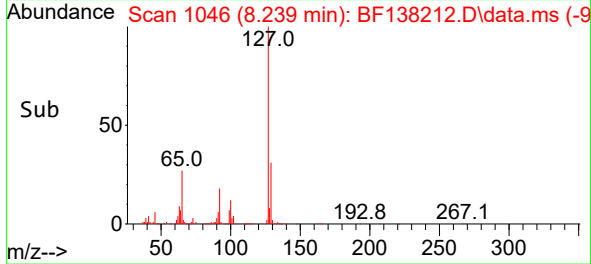
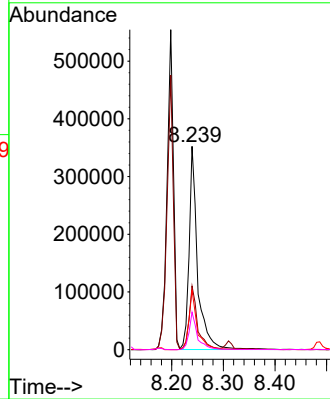
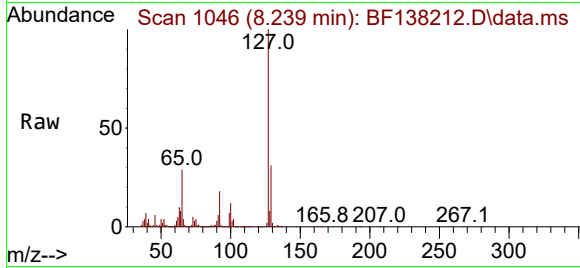




#33
4-Chloroaniline
Concen: 14.162 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

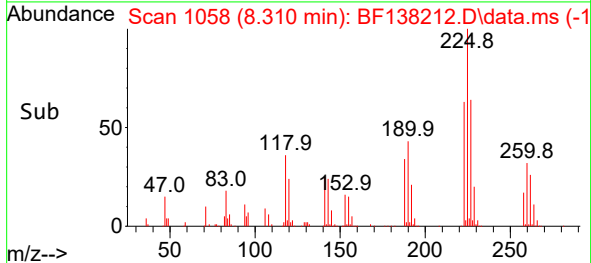
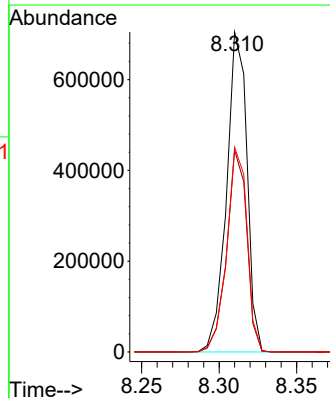
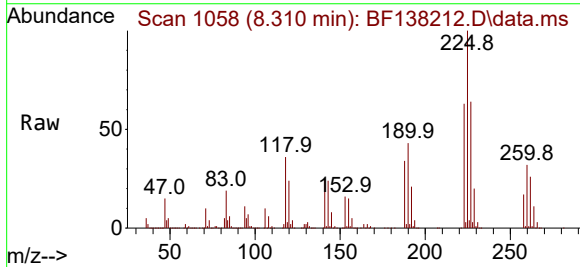
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

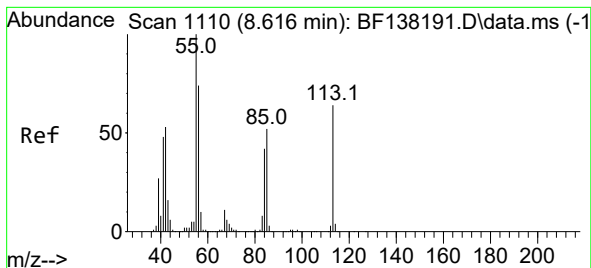
Tgt Ion:127	Resp: 403422
Ion Ratio	Lower Upper
127 100	
129 31.3	26.1 39.1
65 29.2	23.6 35.4
92 18.4	14.7 22.1



#34
Hexachlorobutadiene
Concen: 43.378 ng
RT: 8.310 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt	Ion:225	Resp:	644838
Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.0	73.6
227	64.0	51.2	76.8





#35

Caprolactam

Concen: 34.312 ng

RT: 8.616 min Scan# 1110

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

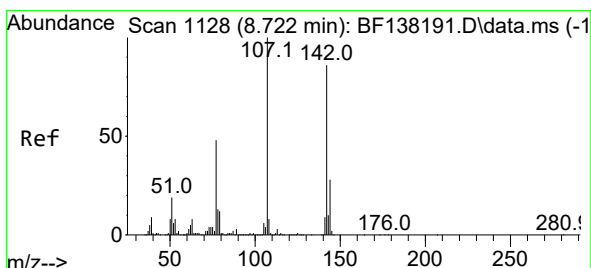
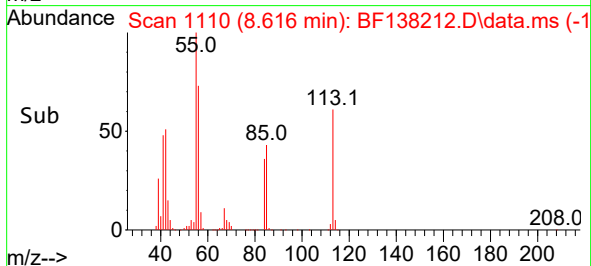
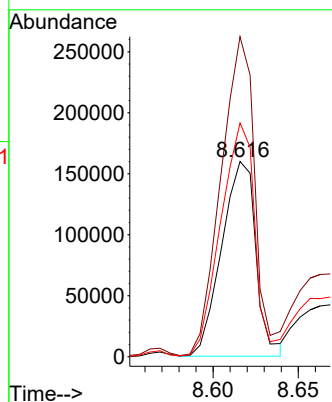
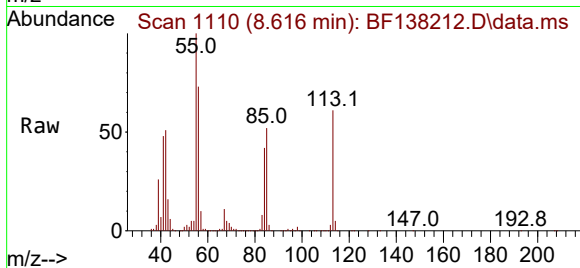
Tgt Ion:113 Resp: 223262

Ion Ratio Lower Upper

113 100

55 163.9 135.4 175.4

56 119.8 95.5 135.5



#36

4-Chloro-3-methylphenol

Concen: 52.016 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

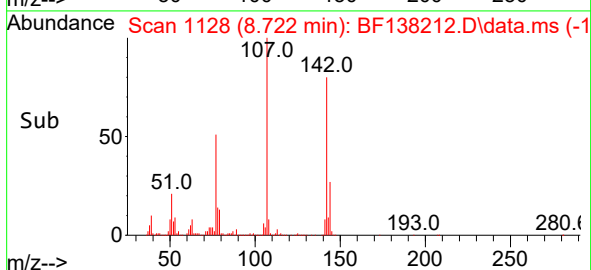
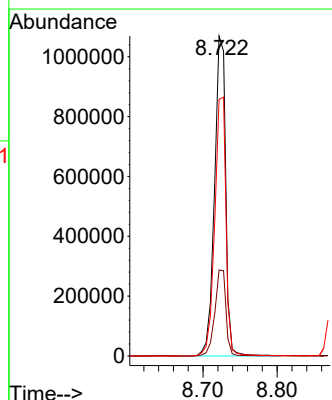
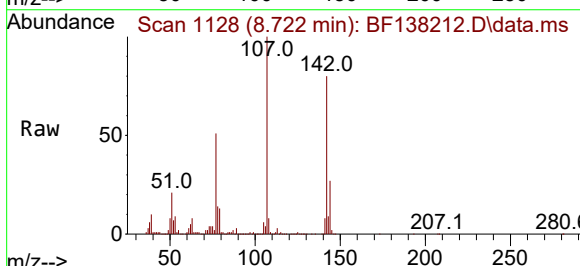
Tgt Ion:107 Resp: 1116220

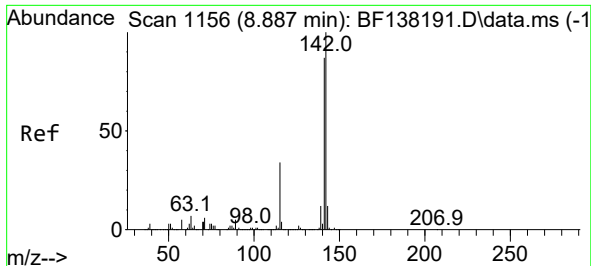
Ion Ratio Lower Upper

107 100

144 26.8 22.6 34.0

142 80.2 69.0 103.4

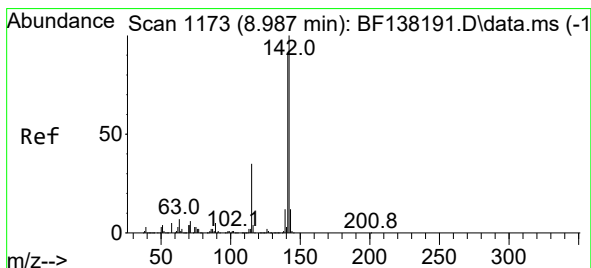
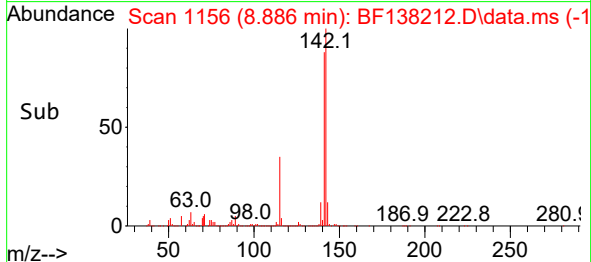
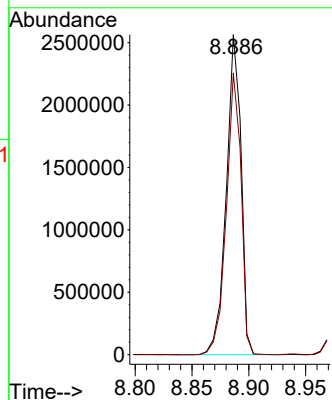
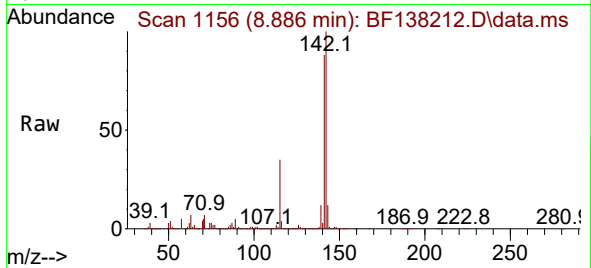




#37
2-Methylnaphthalene
Concen: 46.272 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

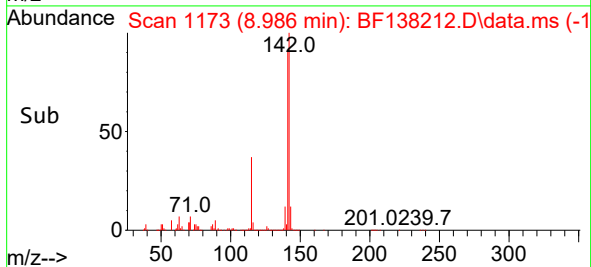
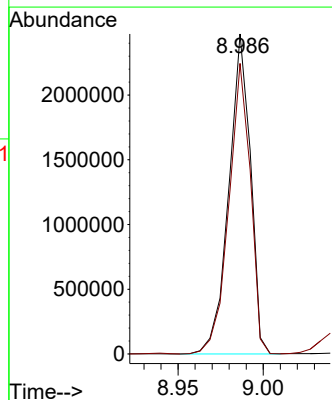
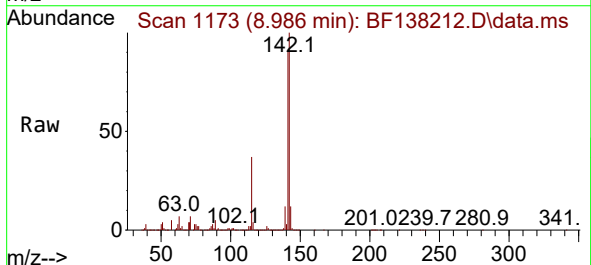
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

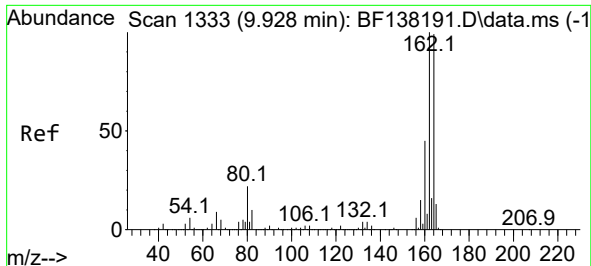
Tgt Ion:142 Resp: 2314522
Ion Ratio Lower Upper
142 100
141 88.1 69.9 104.9



#38
1-Methylnaphthalene
Concen: 44.335 ng
RT: 8.986 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:142 Resp: 2173212
Ion Ratio Lower Upper
142 100
141 90.8 72.8 109.2

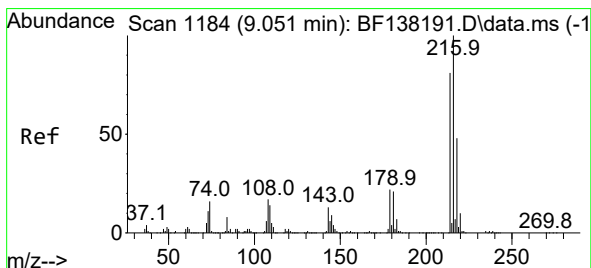
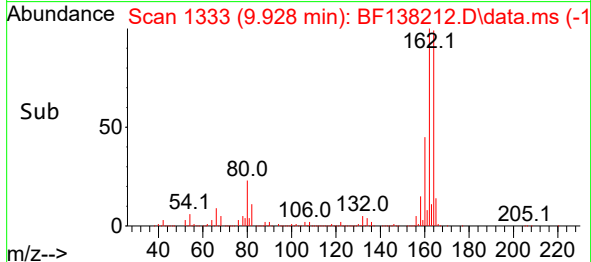
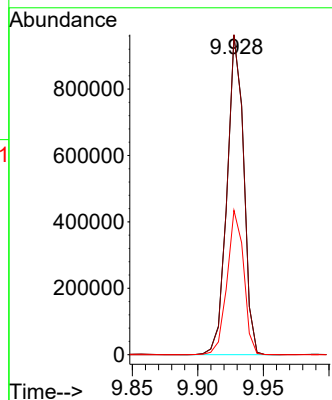
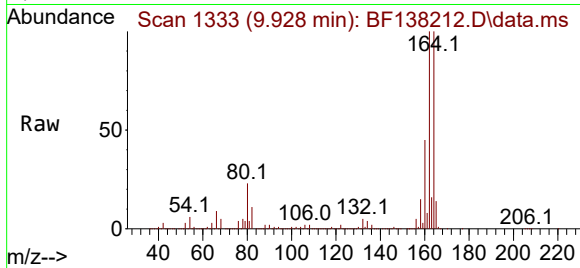




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

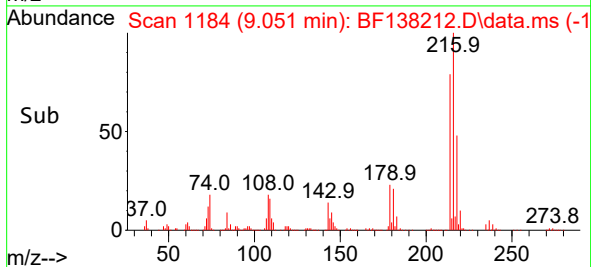
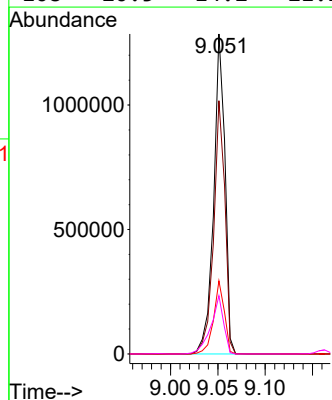
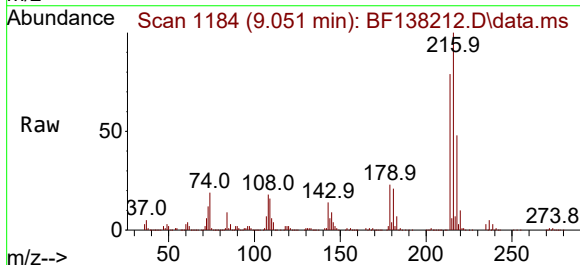
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

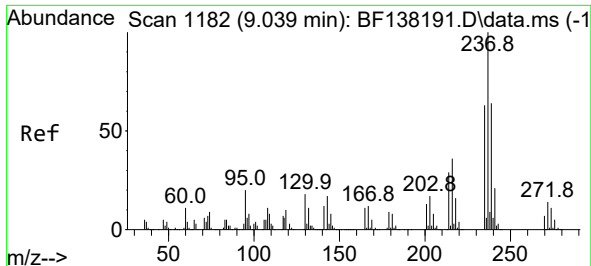
Tgt Ion:164 Resp: 848450
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 45.3 36.3 54.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.716 ng
RT: 9.051 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:216 Resp: 1059077
Ion Ratio Lower Upper
216 100
214 79.2 63.7 95.5
179 22.0 16.9 25.3
108 20.5 14.2 21.2

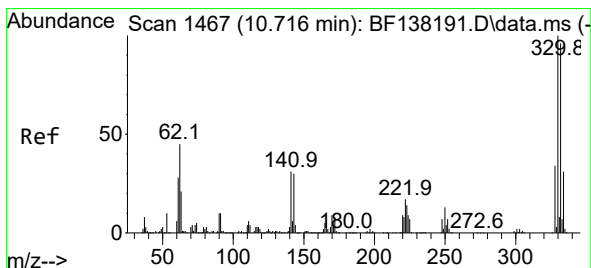
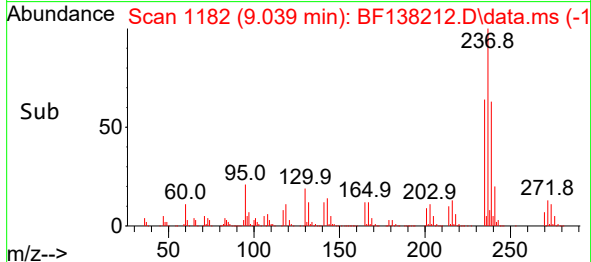
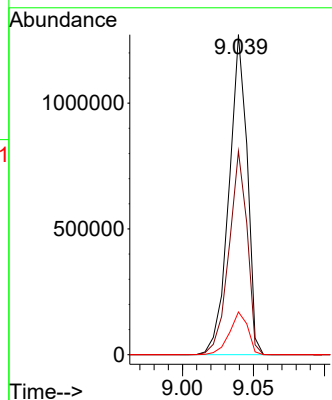
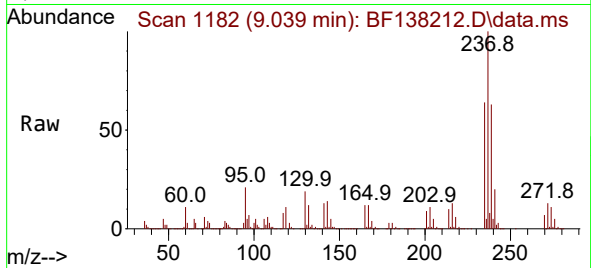




#41
Hexachlorocyclopentadiene
Concen: 139.967 ng
RT: 9.039 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

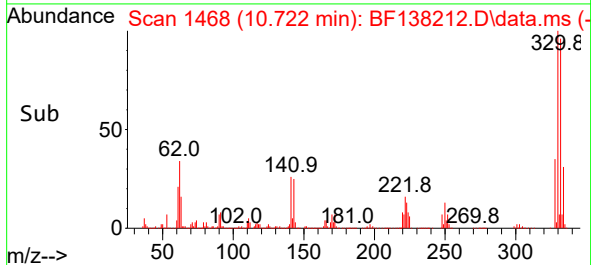
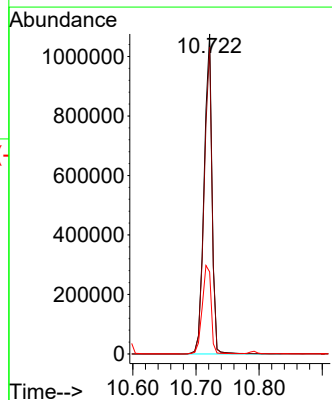
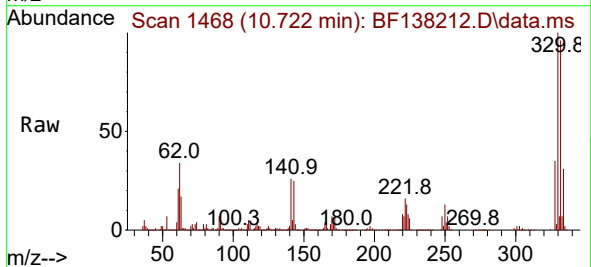
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

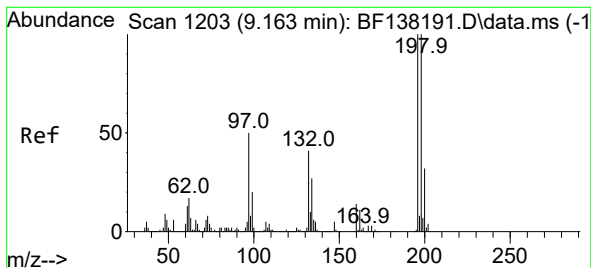
Tgt Ion:237 Resp: 1131544
Ion Ratio Lower Upper
237 100
235 63.6 43.3 83.3
272 13.3 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 110.325 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:330 Resp: 931865
Ion Ratio Lower Upper
330 100
332 95.6 76.6 115.0
141 30.9 23.9 35.9





#43

2,4,6-Trichlorophenol

Concen: 50.176 ng

RT: 9.163 min Scan# 1210

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

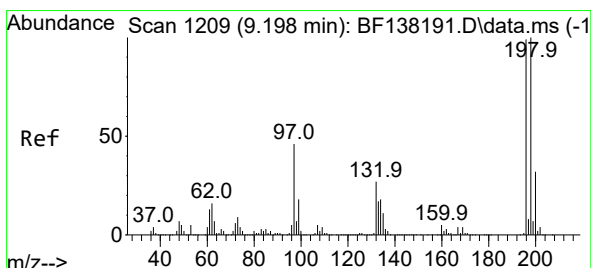
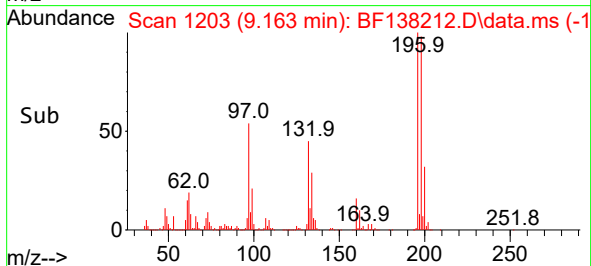
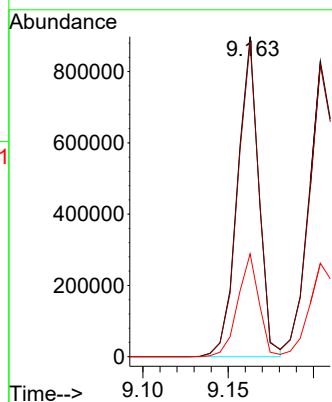
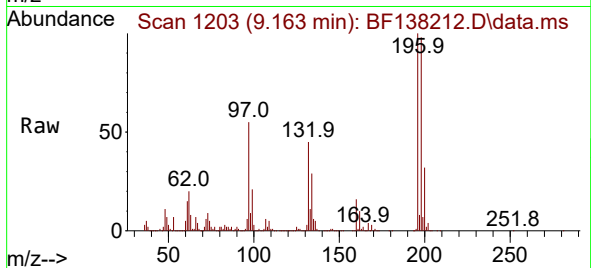
Tgt Ion:196 Resp: 778946

Ion Ratio Lower Upper

196 100

198 98.3 79.8 119.6

200 32.2 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 48.581 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion:196 Resp: 828236

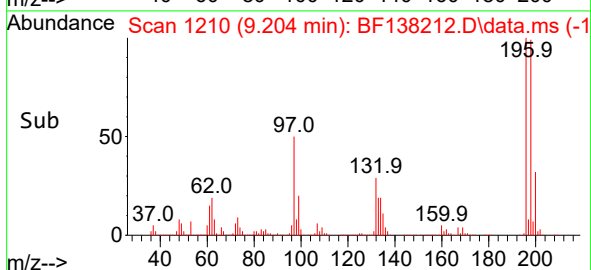
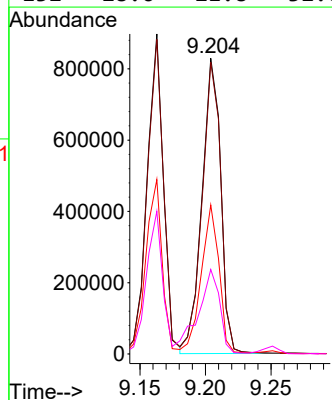
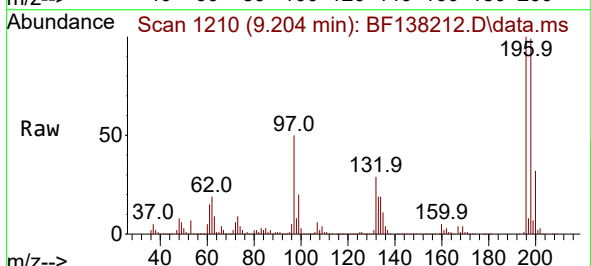
Ion Ratio Lower Upper

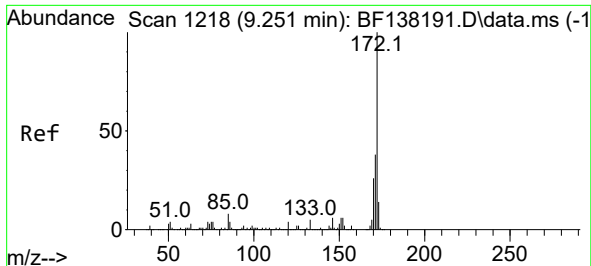
196 100

198 98.7 80.4 120.6

97 50.4 37.4 56.2

132 28.6 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 68.671 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

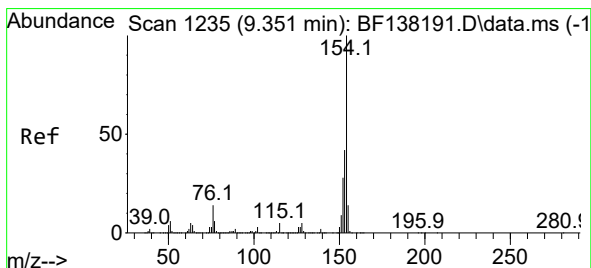
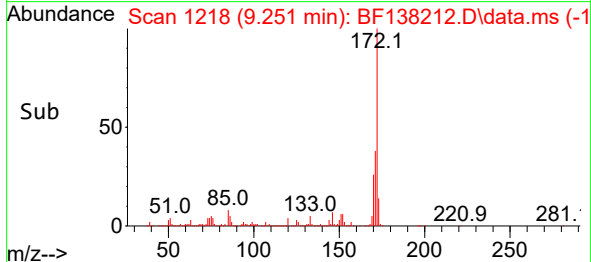
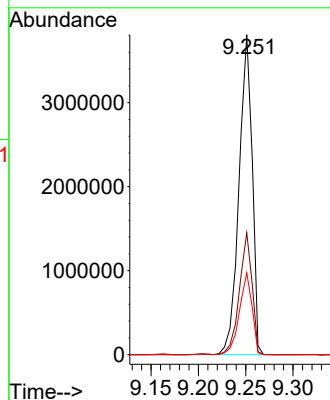
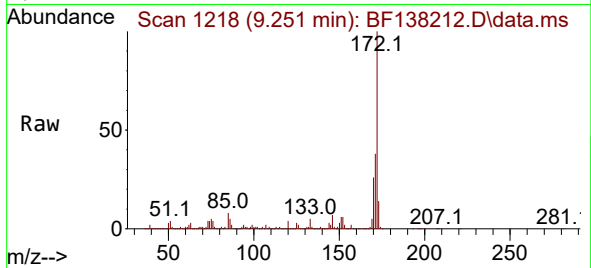
Tgt Ion:172 Resp: 3664039

Ion Ratio Lower Upper

172 100

171 38.1 30.3 45.5

170 25.6 20.6 30.8



#46

1,1'-Biphenyl

Concen: 43.891 ng

RT: 9.351 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

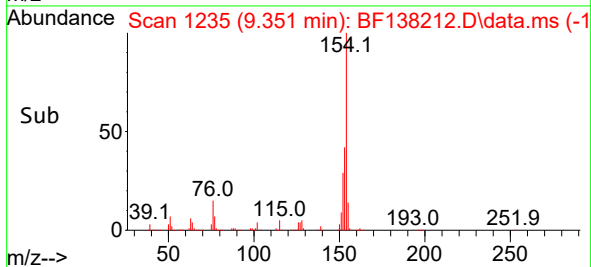
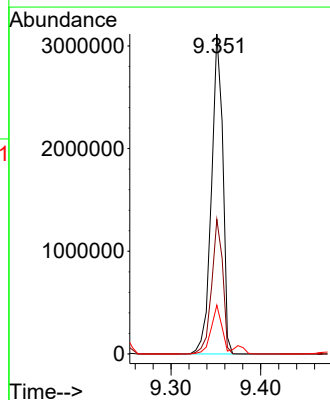
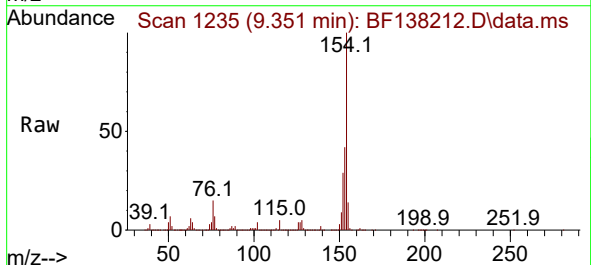
Tgt Ion:154 Resp: 2732595

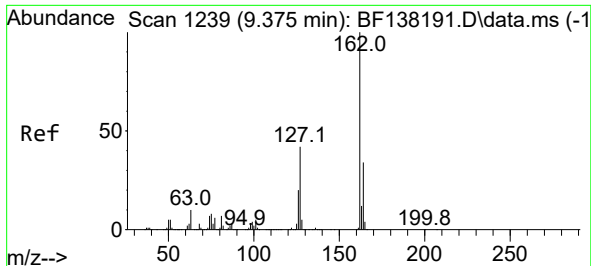
Ion Ratio Lower Upper

154 100

153 42.0 22.1 62.1

76 15.3 0.0 34.3

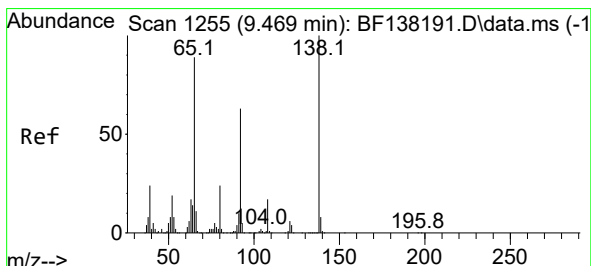
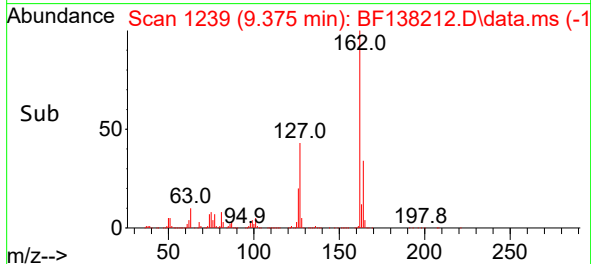
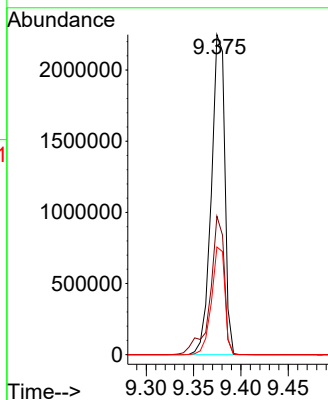
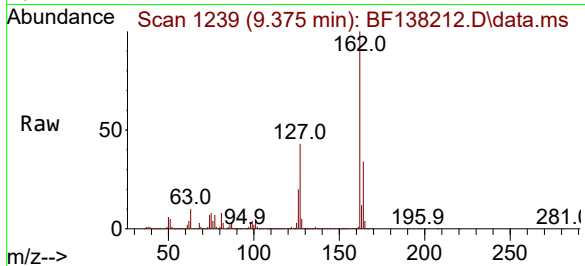




#47
2-Chloronaphthalene
Concen: 45.174 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

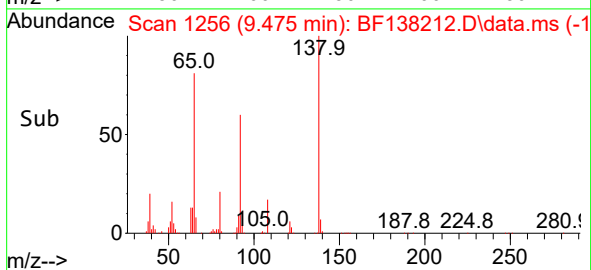
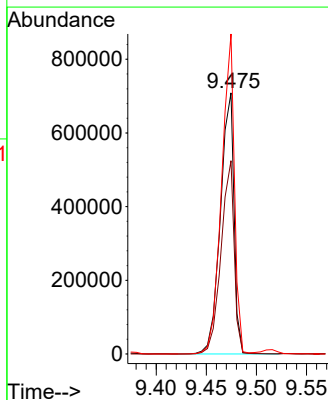
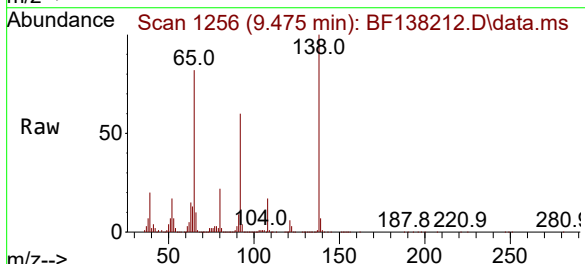
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

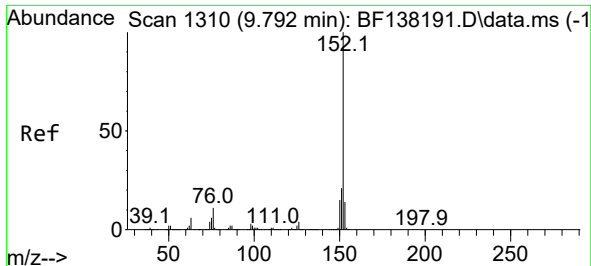
Tgt Ion:162 Resp: 2222686
Ion Ratio Lower Upper
162 100
127 43.2 33.6 50.4
164 33.6 27.2 40.8



#48
2-Nitroaniline
Concen: 56.224 ng
RT: 9.475 min Scan# 1256
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 65 Resp: 666217
Ion Ratio Lower Upper
65 100
92 74.0 56.6 85.0
138 122.6 90.1 135.1





#49

Acenaphthylene

Concen: 49.031 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

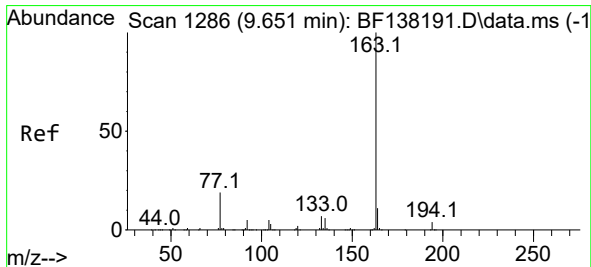
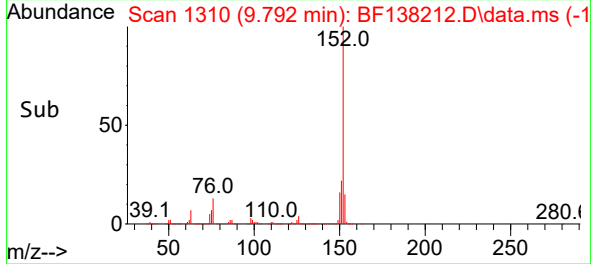
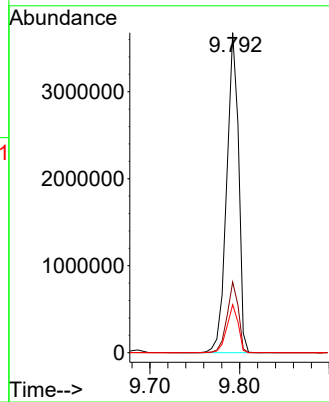
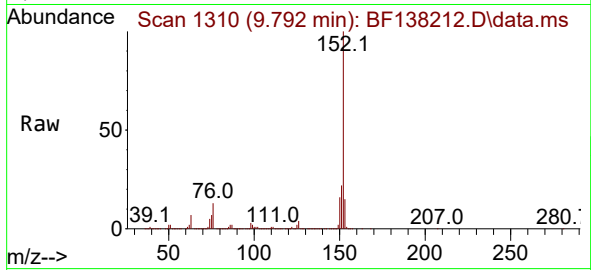
Tgt Ion:152 Resp: 3382863

Ion Ratio Lower Upper

152 100

151 22.1 16.9 25.3

153 15.0 11.4 17.0



#50

Dimethylphthalate

Concen: 48.805 ng

RT: 9.657 min Scan# 1287

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

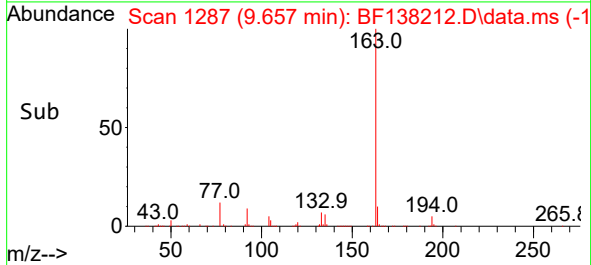
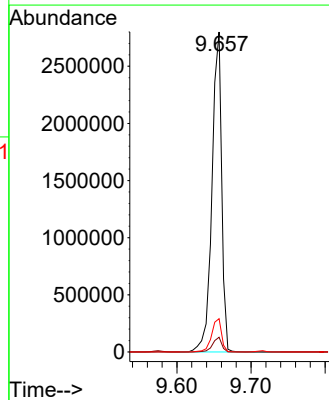
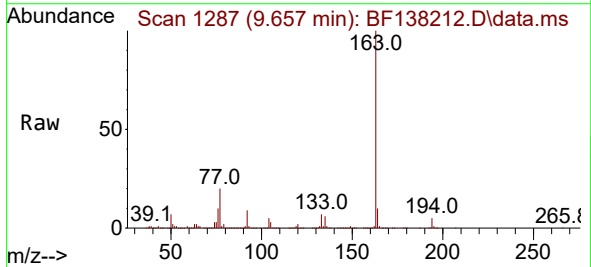
Tgt Ion:163 Resp: 2537116

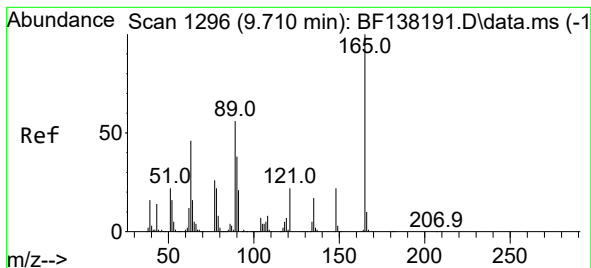
Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

164 10.4 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 52.628 ng

RT: 9.716 min Scan# 1296

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

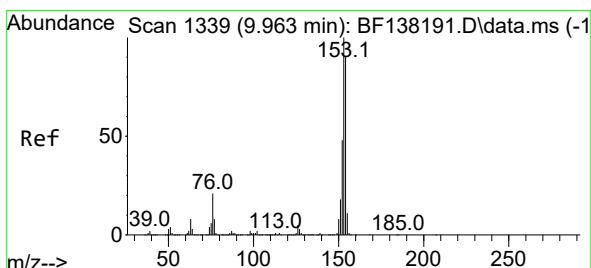
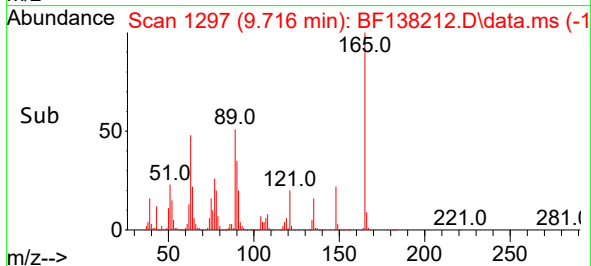
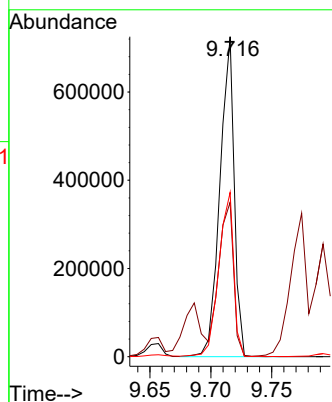
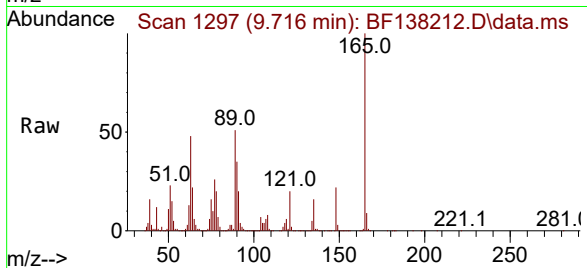
Tgt Ion:165 Resp: 593524

Ion Ratio Lower Upper

165 100

63 48.2 43.7 65.5

89 51.3 44.9 67.3



#52

Acenaphthene

Concen: 50.385 ng

RT: 9.963 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

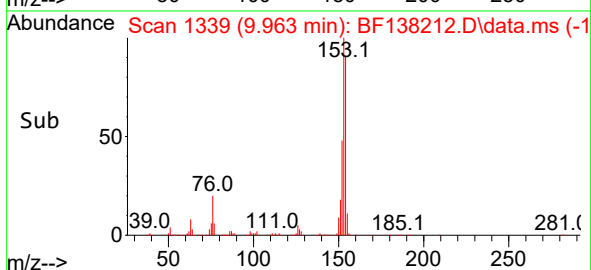
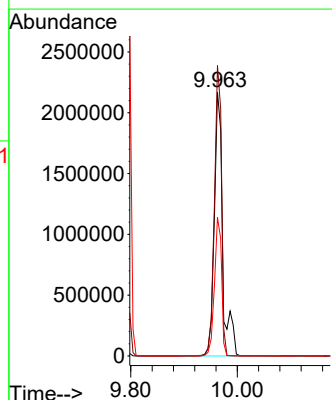
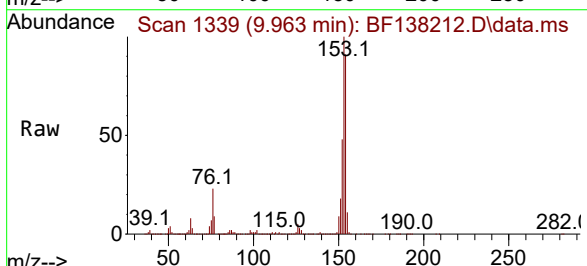
Tgt Ion:154 Resp: 2370476

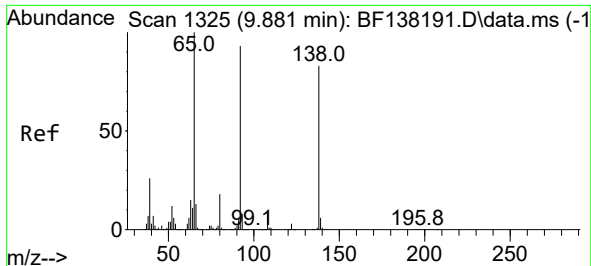
Ion Ratio Lower Upper

154 100

153 110.1 89.1 133.7

152 52.5 42.4 63.6

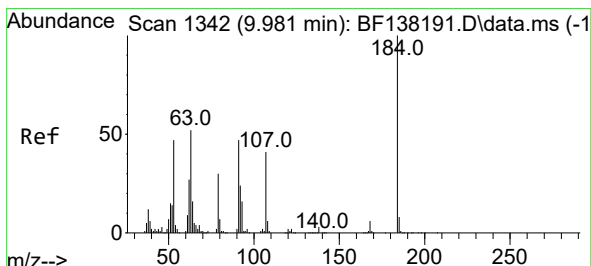
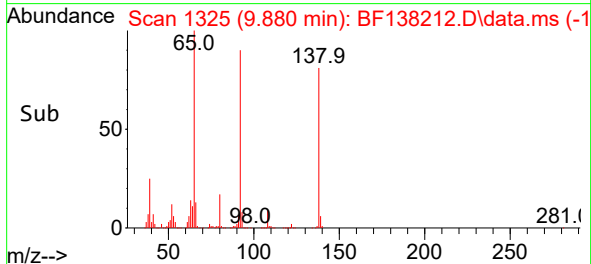
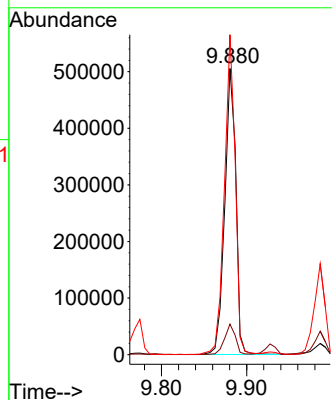
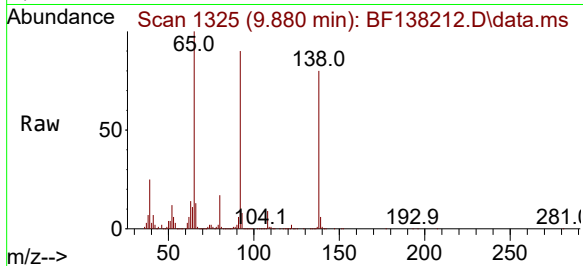




#53
3-Nitroaniline
Concen: 37.875 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

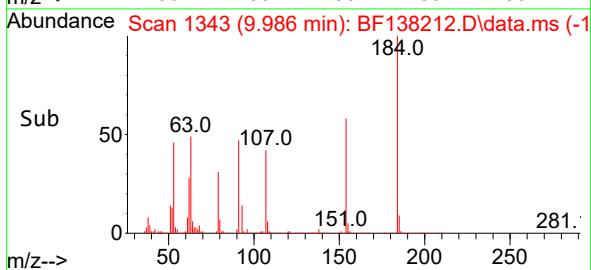
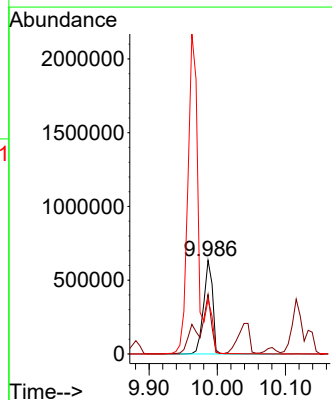
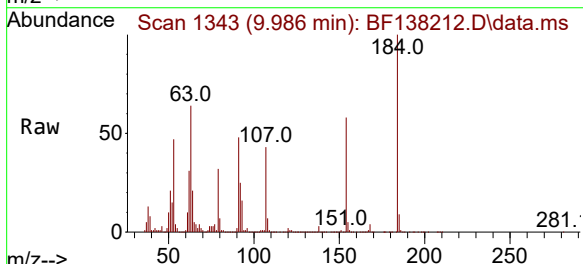
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

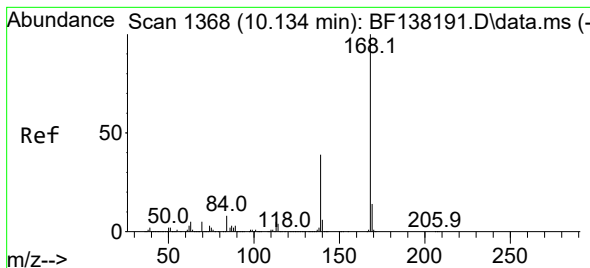
Tgt Ion:138 Resp: 456308
Ion Ratio Lower Upper
138 100
108 10.7 8.2 12.2
92 111.8 90.0 135.0



#54
2,4-Dinitrophenol
Concen: 95.482 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:184 Resp: 587742
Ion Ratio Lower Upper
184 100
63 63.5 49.2 73.8
154 58.2 46.7 70.1





#55

Dibenzenofuran

Concen: 46.114 ng

RT: 10.139 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

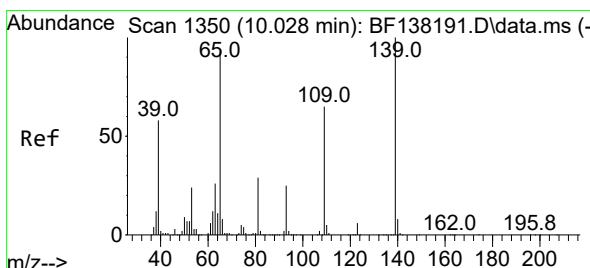
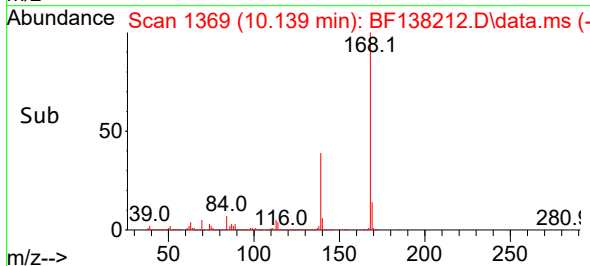
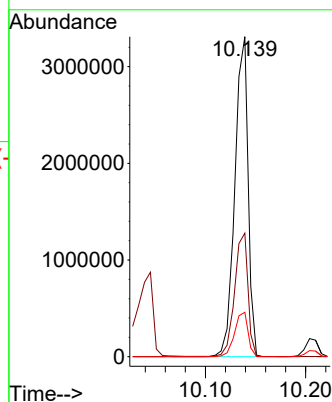
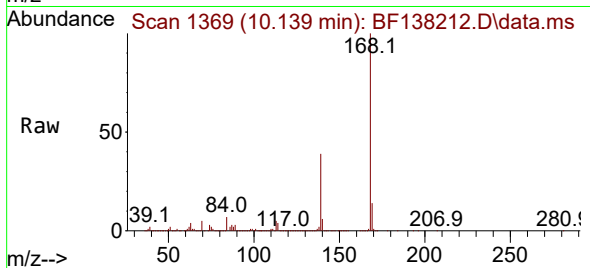
Tgt Ion:168 Resp: 3032896

Ion Ratio Lower Upper

168 100

139 38.6 31.0 46.4

169 13.9 11.4 17.0



#56

4-Nitrophenol

Concen: 102.110 ng

RT: 10.045 min Scan# 1353

Delta R.T. 0.017 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

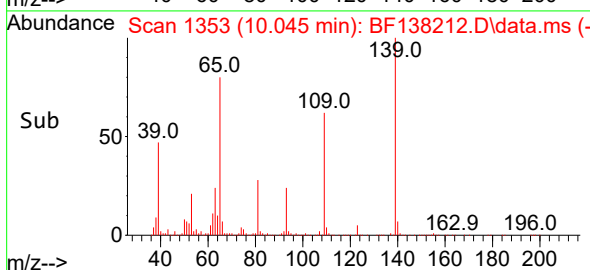
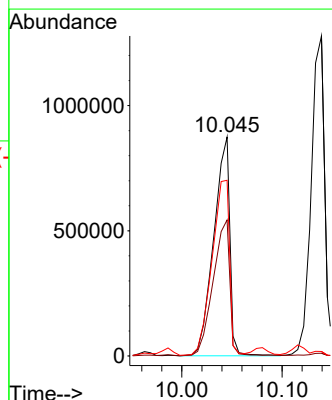
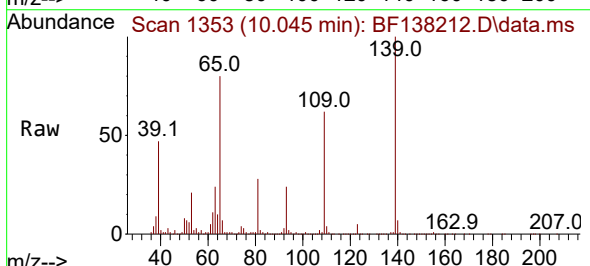
Tgt Ion:139 Resp: 972171

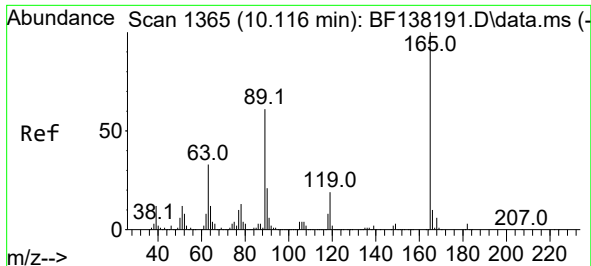
Ion Ratio Lower Upper

139 100

109 62.1 44.6 84.6

65 80.3 73.1 113.1

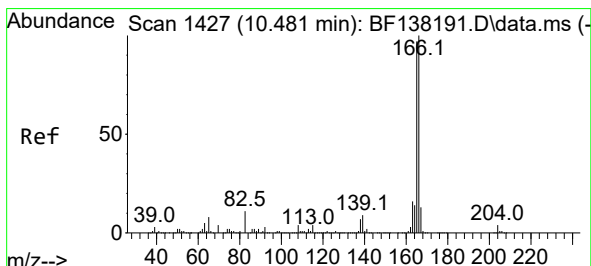
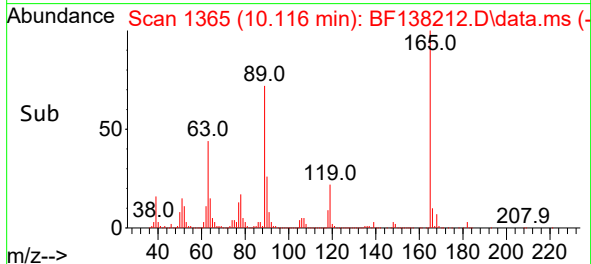
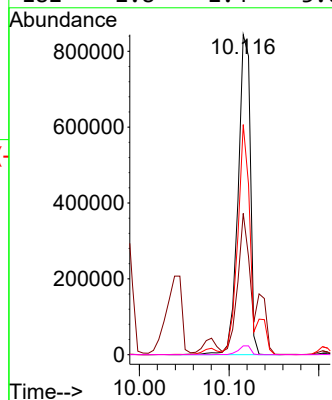
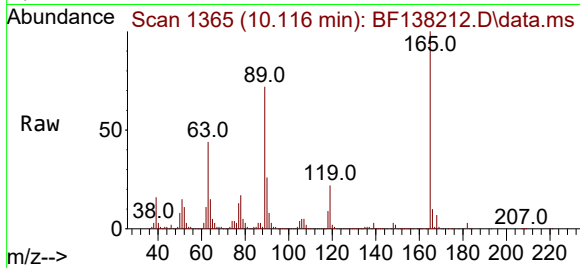




#57
2,4-Dinitrotoluene
Concen: 57.407 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

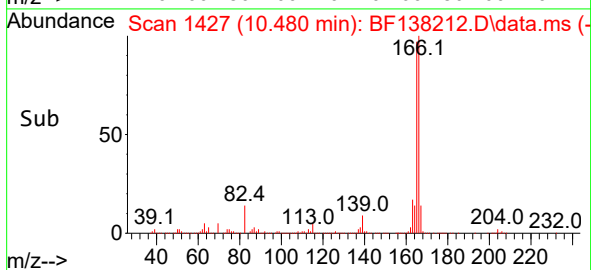
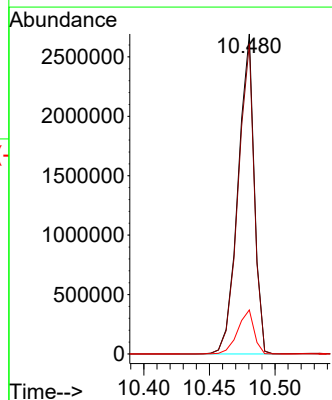
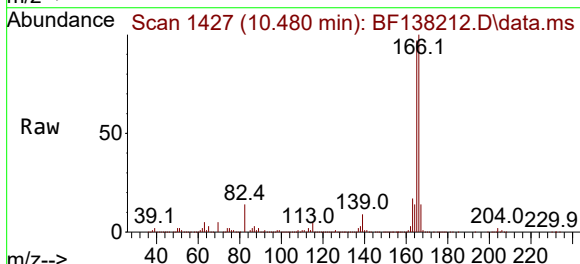
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

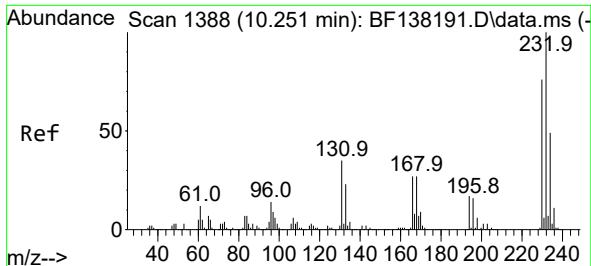
Tgt Ion:165 Resp: 798531
Ion Ratio Lower Upper
165 100
63 44.1 26.6 39.8#
89 71.9 48.7 73.1
182 2.8 2.4 3.6



#58
Fluorene
Concen: 44.736 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:166 Resp: 2313327
Ion Ratio Lower Upper
166 100
165 96.9 77.9 116.9
167 13.8 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 50.117 ng

RT: 10.251 min Scan# 1388

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:232 Resp: 667753

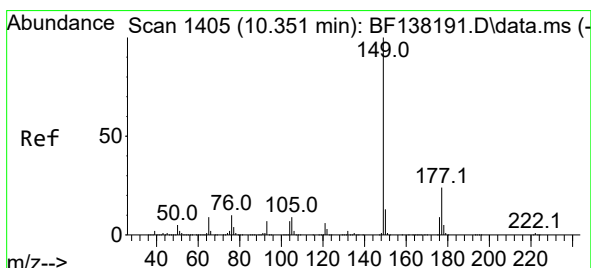
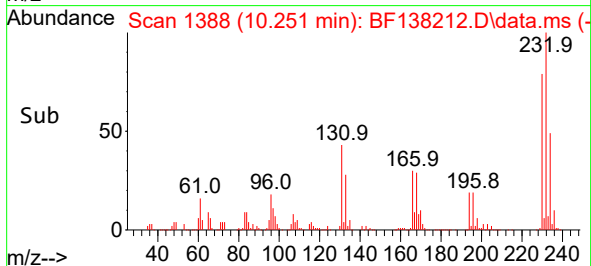
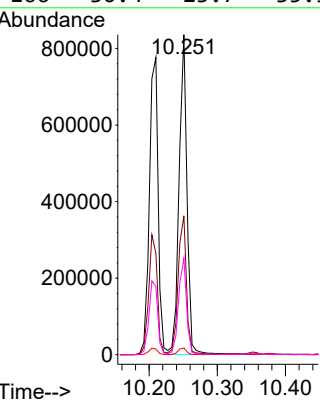
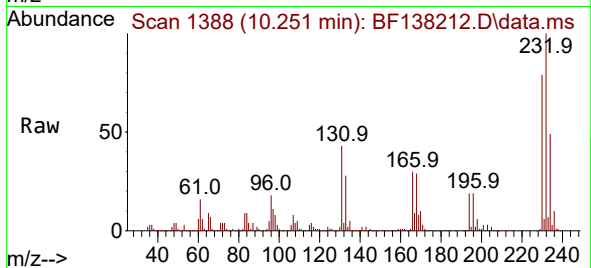
Ion Ratio Lower Upper

232 100

131 44.8 33.6 50.4

130 2.2 1.7 2.5

166 30.4 23.7 35.5



#60

Diethylphthalate

Concen: 49.652 ng

RT: 10.351 min Scan# 1405

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

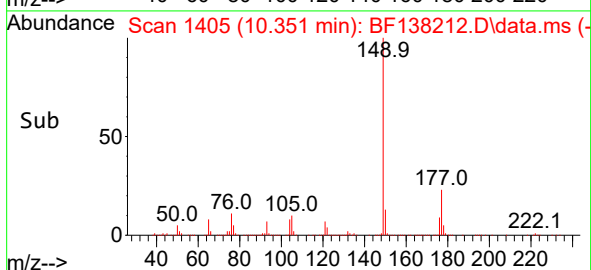
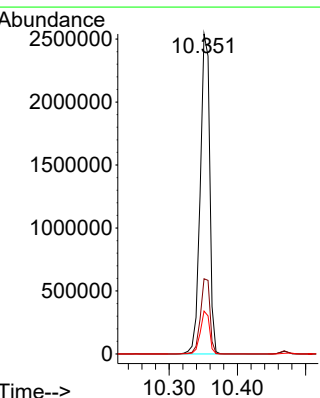
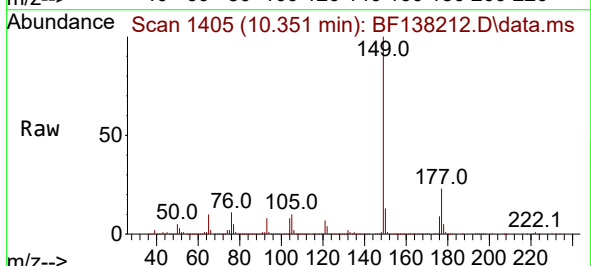
Tgt Ion:149 Resp: 2449761

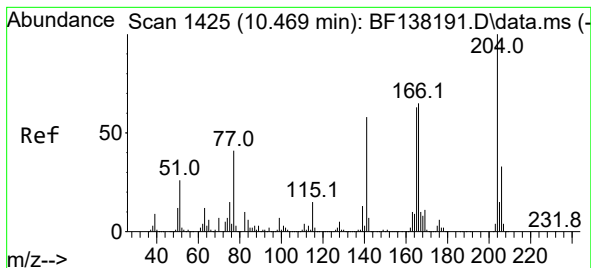
Ion Ratio Lower Upper

149 100

177 23.5 19.4 29.0

150 13.4 10.2 15.4

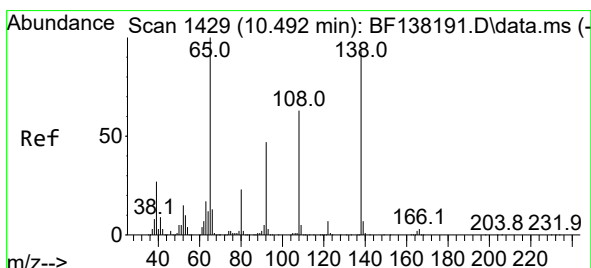
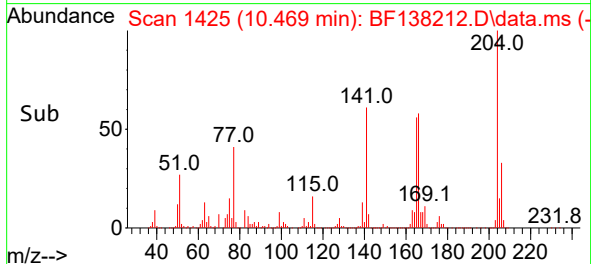
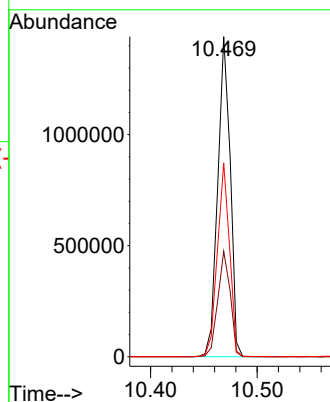
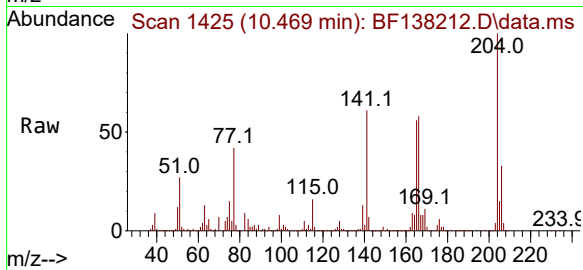




#61
4-Chlorophenyl-phenylether
Concen: 45.210 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

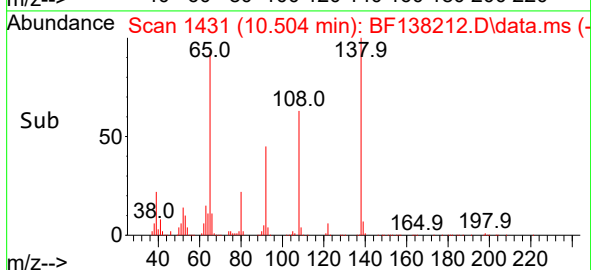
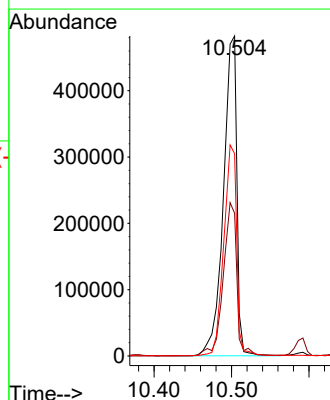
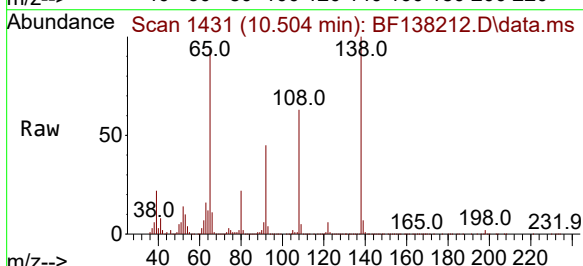
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

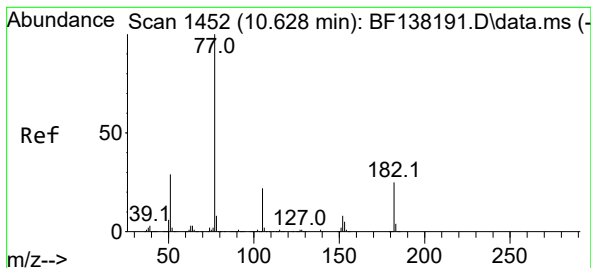
Tgt Ion:204 Resp: 1164333
Ion Ratio Lower Upper
204 100
206 33.0 26.6 39.8
141 60.5 46.3 69.5



#62
4-Nitroaniline
Concen: 48.219 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:138 Resp: 580435
Ion Ratio Lower Upper
138 100
92 44.6 30.9 70.9
108 63.2 47.8 87.8





#63

Azobenzene

Concen: 49.472 ng

RT: 10.633 min Scan# 1453

Delta R.T. 0.005 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion: 77 Resp: 2445398

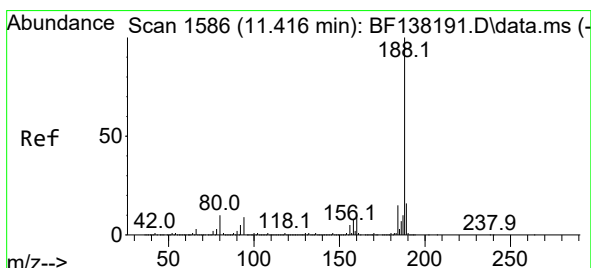
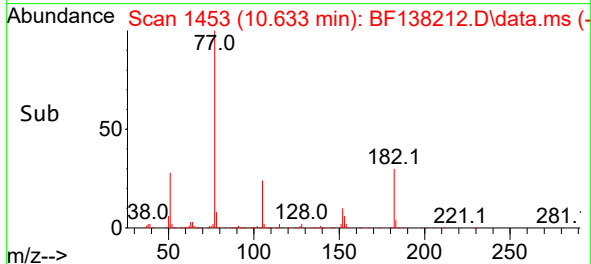
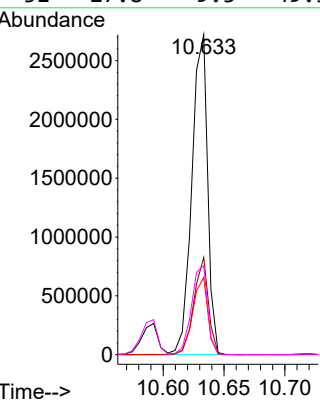
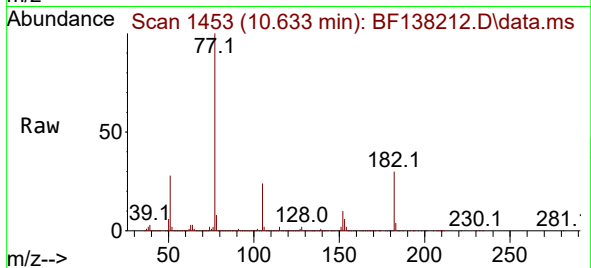
Ion Ratio Lower Upper

77 100

182 30.4 5.5 45.5

105 24.1 1.8 41.8

51 27.8 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: BF138212.D

Acq: 17 Jun 2024 18:58

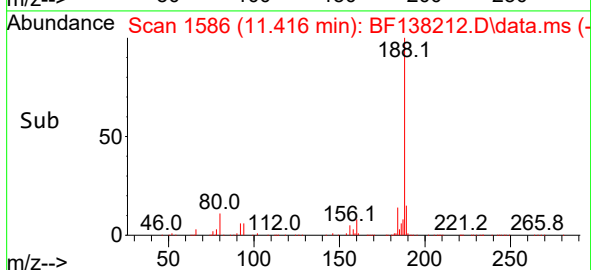
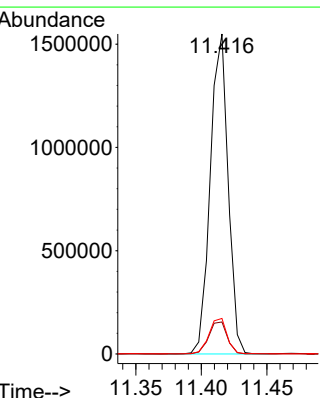
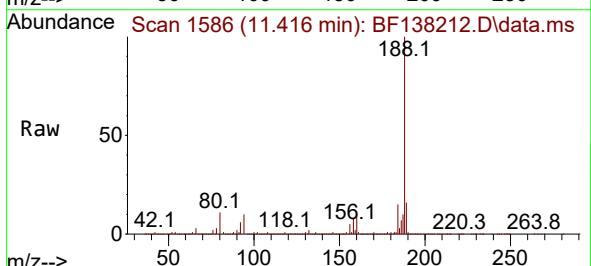
Tgt Ion:188 Resp: 1462437

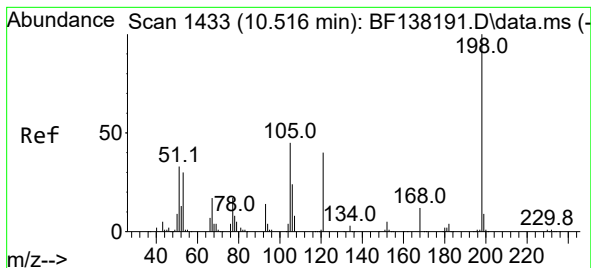
Ion Ratio Lower Upper

188 100

94 10.0 7.6 11.4

80 11.1 8.1 12.1

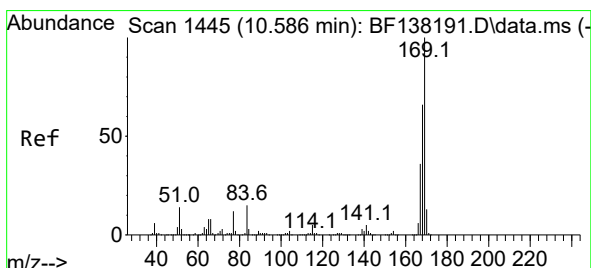
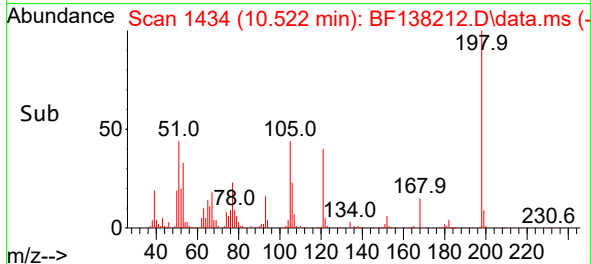
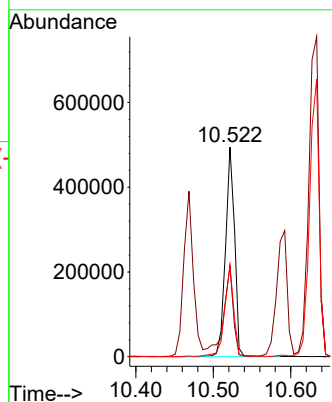
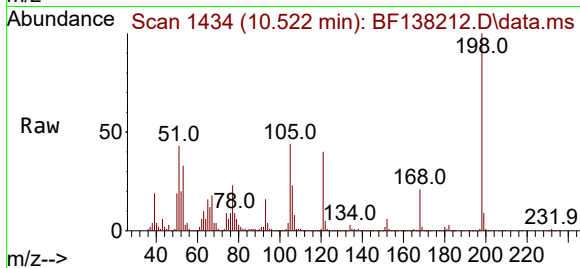




#65
4,6-Dinitro-2-methylphenol
Concen: 53.275 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

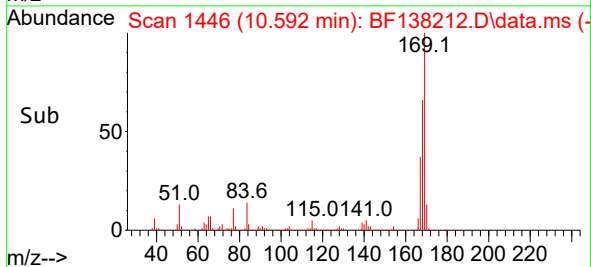
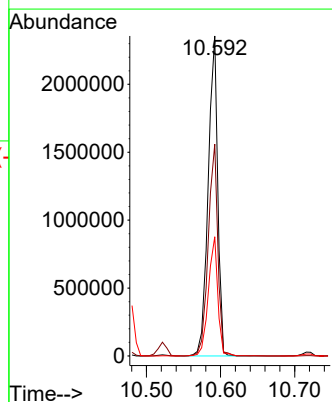
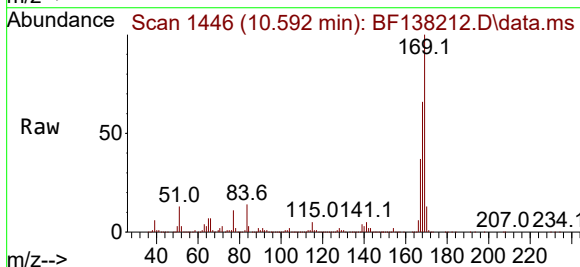
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

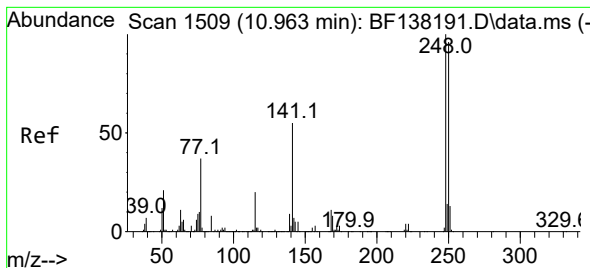
Tgt Ion:198 Resp: 403645
Ion Ratio Lower Upper
198 100
51 43.2 26.9 66.9
105 43.6 26.0 66.0



#66
n-Nitrosodiphenylamine
Concen: 47.181 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:169 Resp: 2112437
Ion Ratio Lower Upper
169 100
168 66.2 52.9 79.3
167 37.3 29.0 43.6

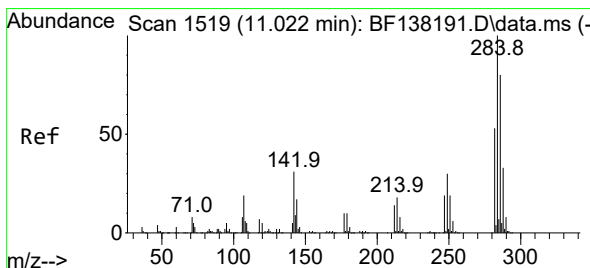
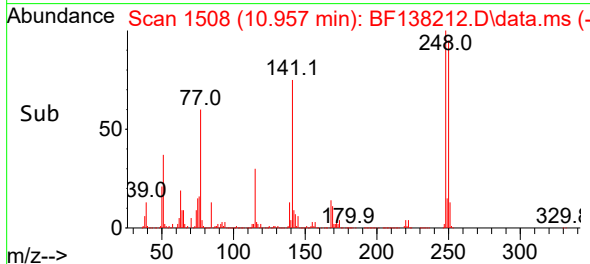
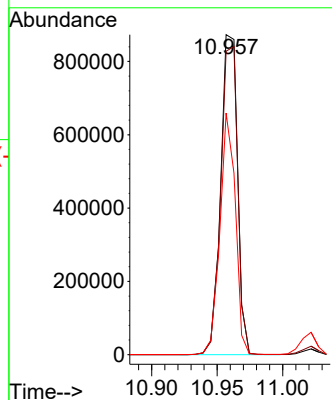
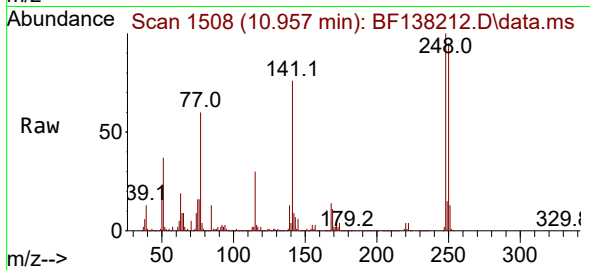




#67
4-Bromophenyl-phenylether
Concen: 47.357 ng
RT: 10.957 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

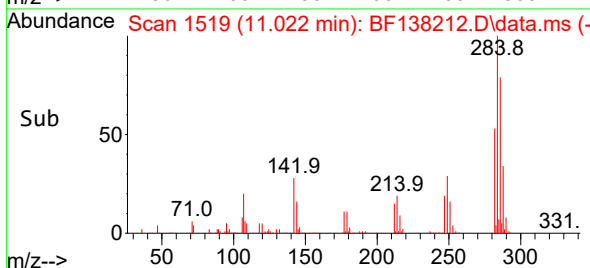
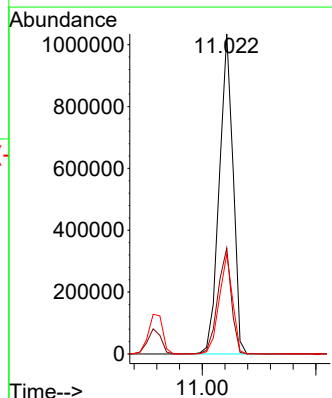
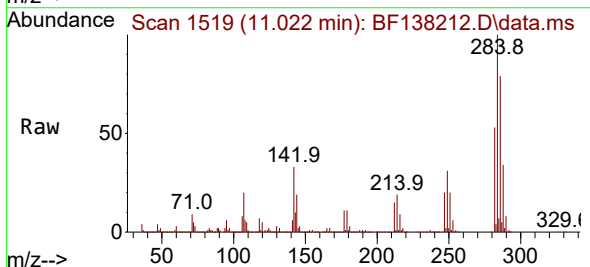
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

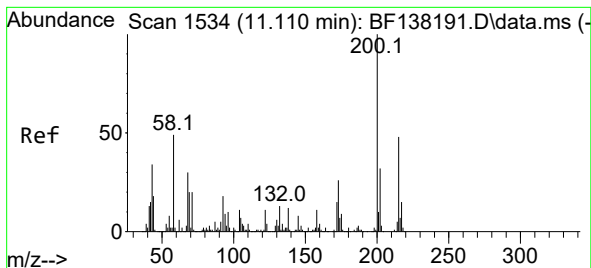
Tgt Ion:248 Resp: 780395
Ion Ratio Lower Upper
248 100
250 94.9 77.2 115.8
141 75.5 44.1 66.1#



#68
Hexachlorobenzene
Concen: 45.218 ng
RT: 11.022 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:284 Resp: 869588
Ion Ratio Lower Upper
284 100
142 33.1 24.8 37.2
249 31.2 23.8 35.6





#69

Atrazine

Concen: 53.823 ng

RT: 11.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

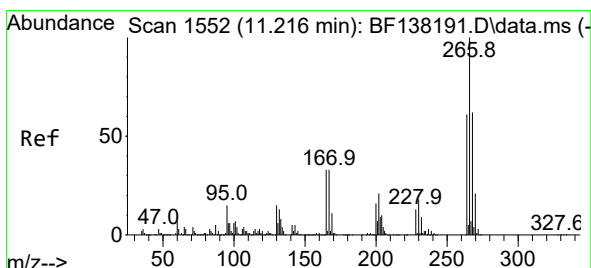
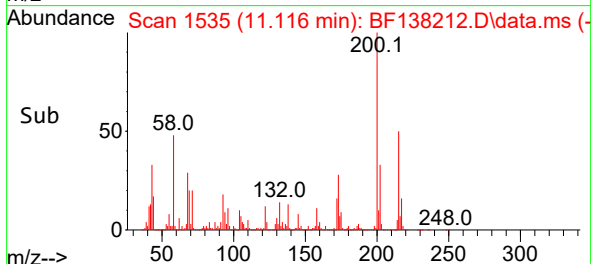
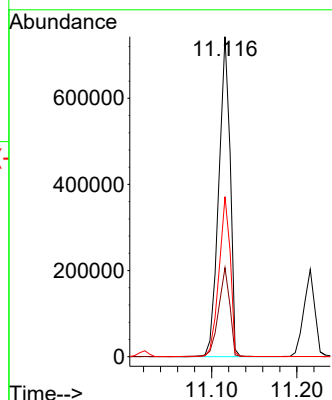
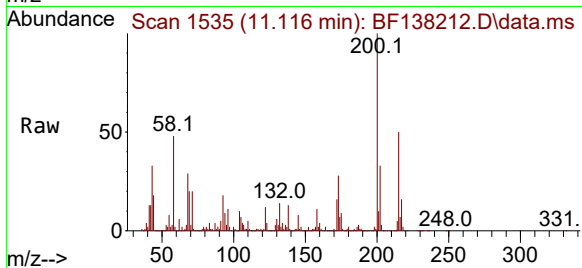
Tgt Ion:200 Resp: 686394

Ion Ratio Lower Upper

200 100

173 27.8 6.3 46.3

215 50.0 28.0 68.0



#70

Pentachlorophenol

Concen: 91.848 ng

RT: 11.216 min Scan# 1552

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

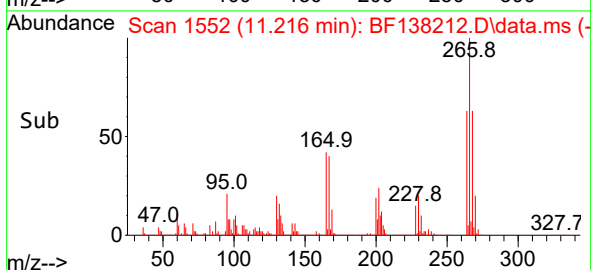
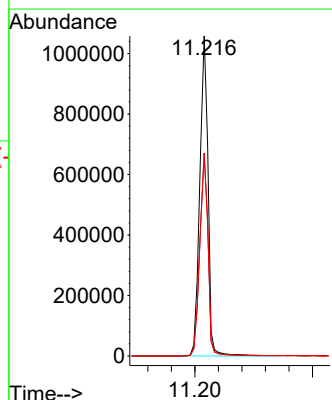
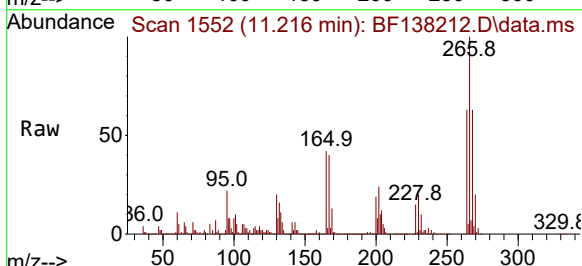
Tgt Ion:266 Resp: 1030144

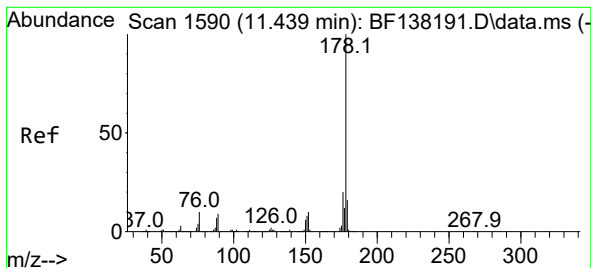
Ion Ratio Lower Upper

266 100

268 63.4 49.5 74.3

264 63.2 49.2 73.8





#71

Phenanthrene

Concen: 46.402 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

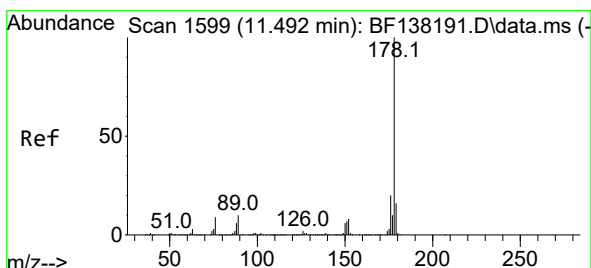
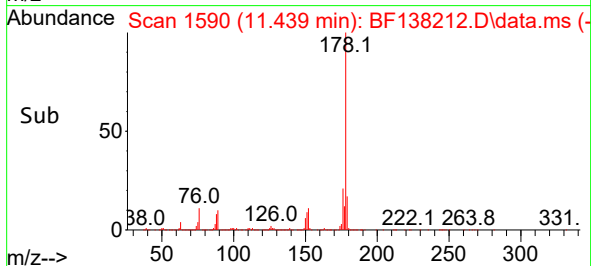
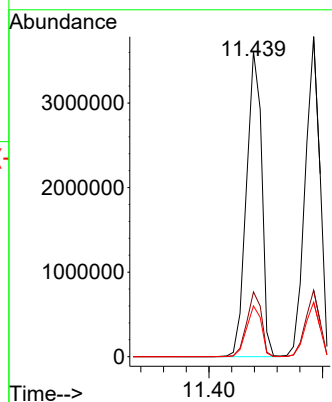
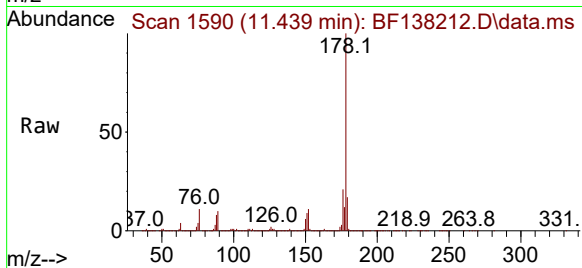
Tgt Ion:178 Resp: 3355958

Ion Ratio Lower Upper

178 100

176 21.2 16.4 24.6

179 16.6 13.1 19.7



#72

Anthracene

Concen: 47.350 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

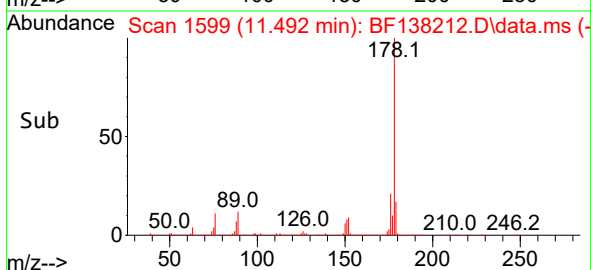
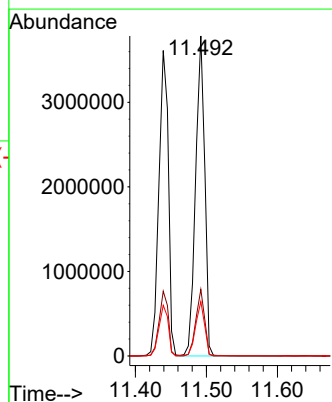
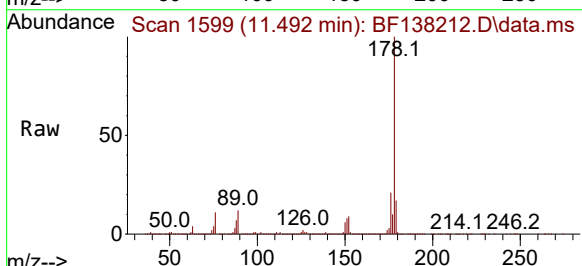
Tgt Ion:178 Resp: 3400040

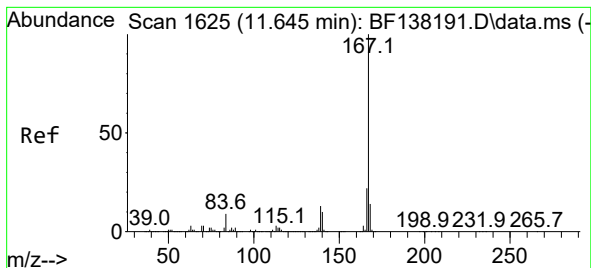
Ion Ratio Lower Upper

178 100

176 20.8 15.7 23.5

179 17.0 13.0 19.6





#73

Carbazole

Concen: 45.026 ng

RT: 11.645 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

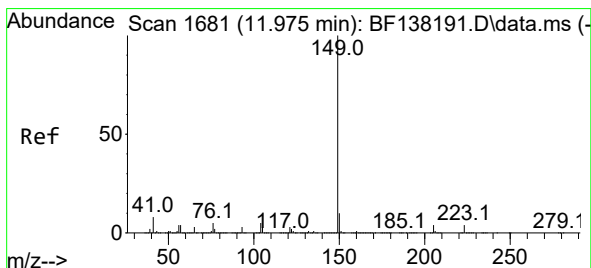
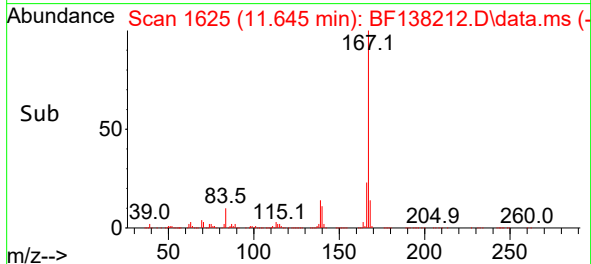
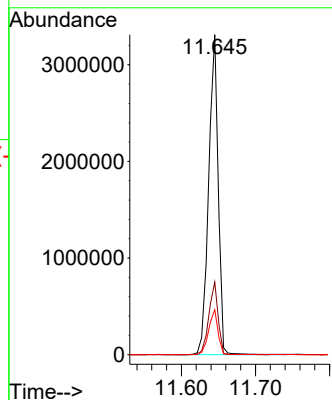
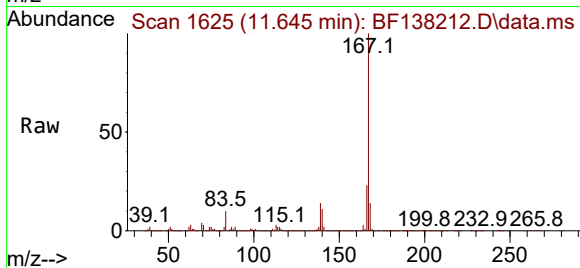
BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:167 Resp: 2965386

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.0	27.0
139	14.1	10.6	16.0



#74

Di-n-butylphthalate

Concen: 52.920 ng

RT: 11.974 min Scan# 1681

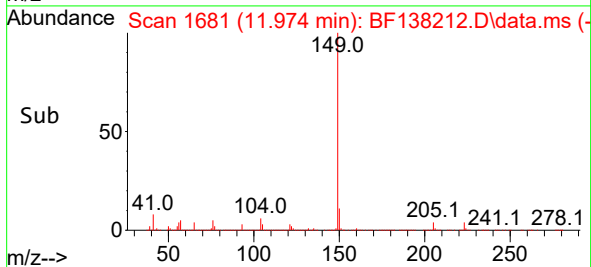
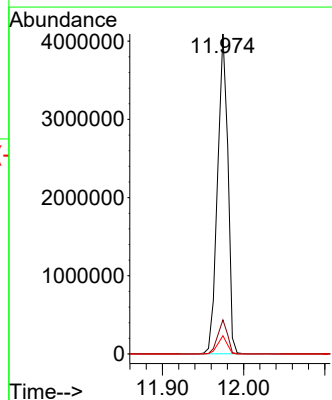
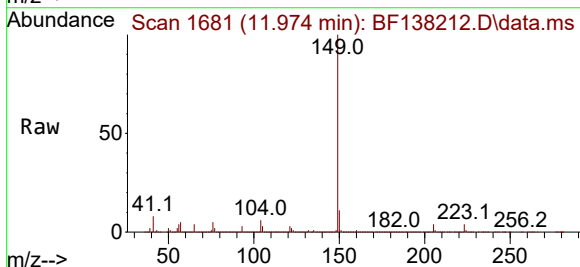
Delta R.T. -0.000 min

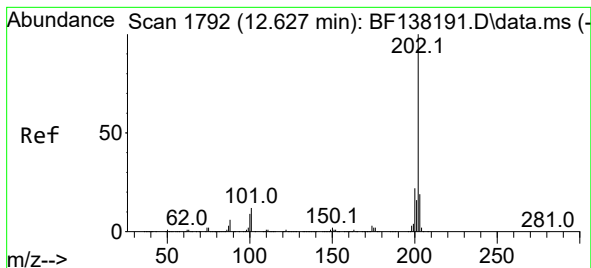
Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion:149 Resp: 3608157

Ion	Ratio	Lower	Upper
149	100		
150	10.7	8.2	12.2
104	5.7	4.1	6.1

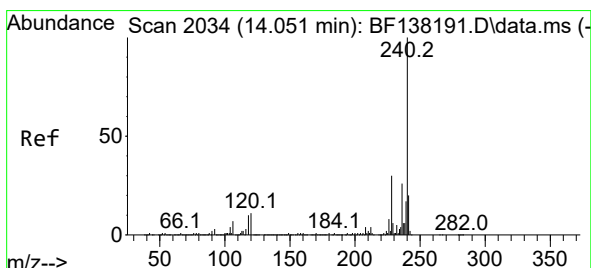
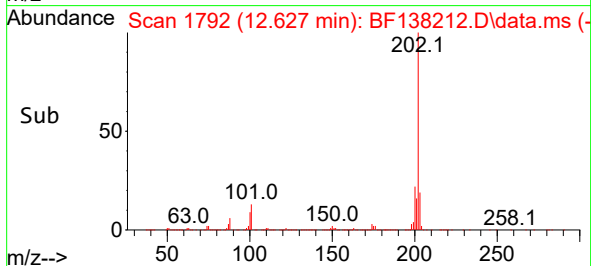
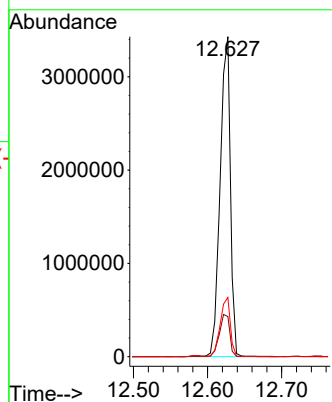
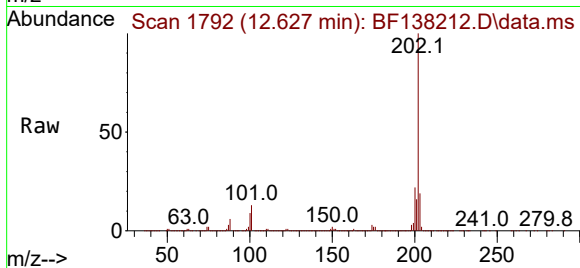




#75
Fluoranthene
Concen: 44.752 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

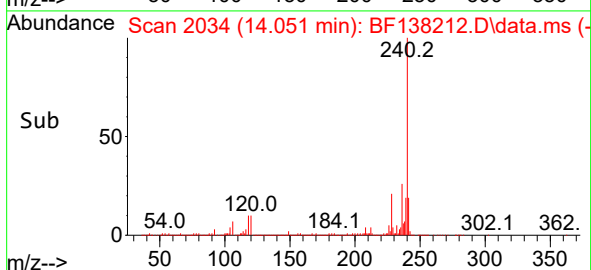
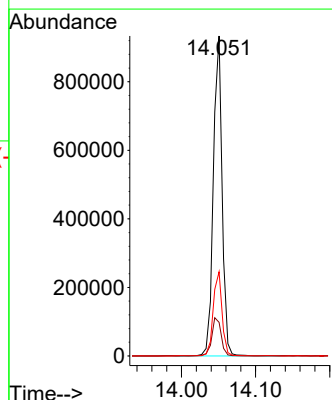
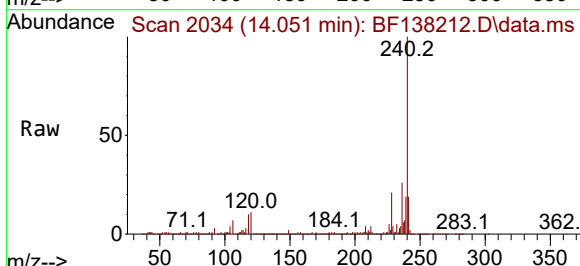
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

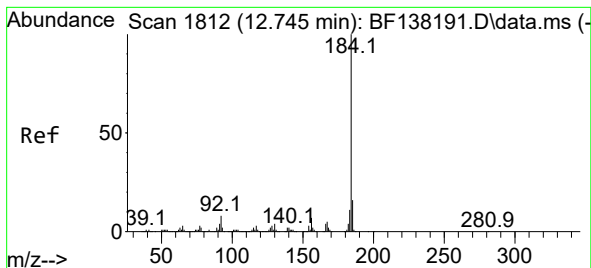
Tgt Ion:202 Resp: 3300385
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.8
203 18.5 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:240 Resp: 764249
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 26.3 21.0 31.6





#77

Benzidine

Concen: 111.208 ng

RT: 12.745 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

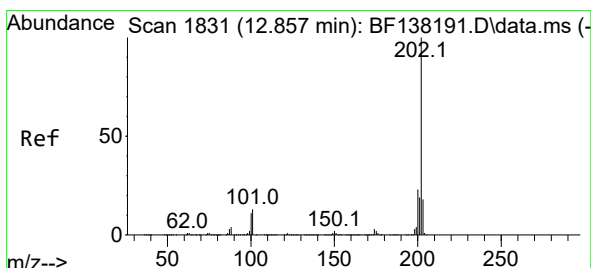
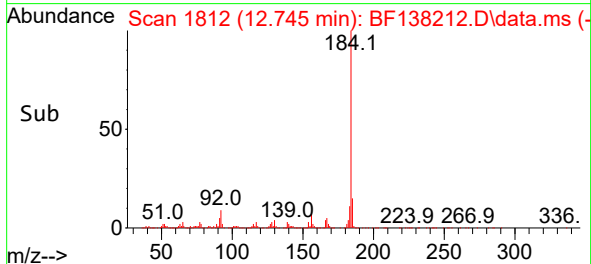
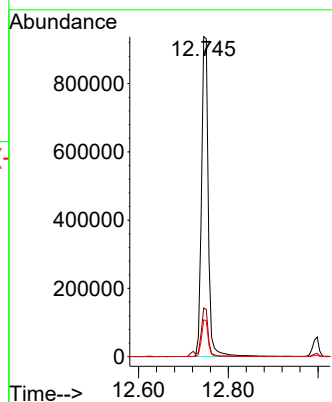
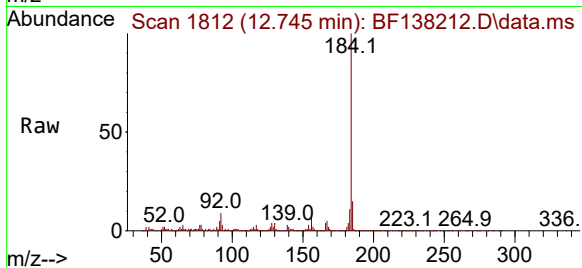
Tgt Ion:184 Resp: 983060

Ion Ratio Lower Upper

184 100

185 15.2 12.6 19.0

183 11.5 9.0 13.6



#78

Pyrene

Concen: 49.997 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

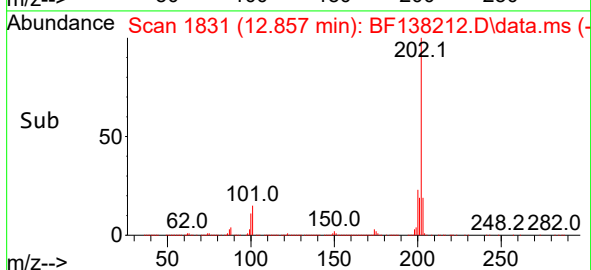
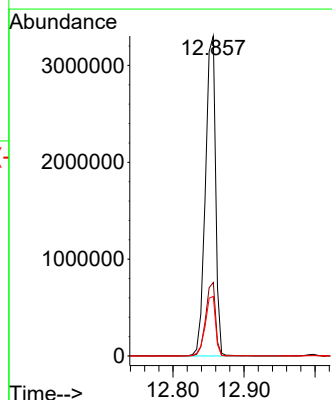
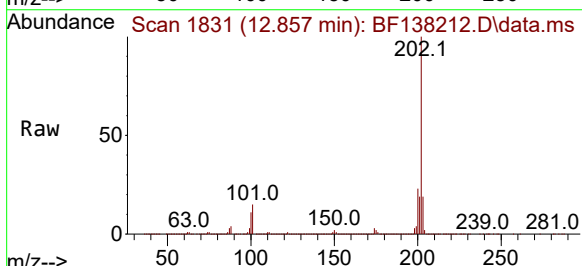
Tgt Ion:202 Resp: 3295875

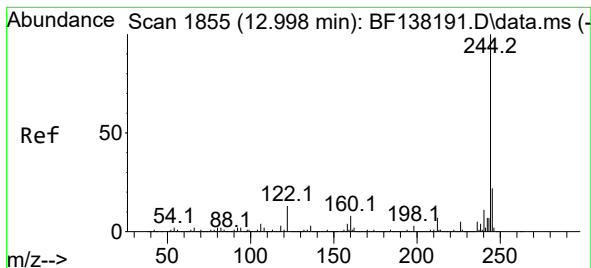
Ion Ratio Lower Upper

202 100

200 22.9 18.0 27.0

203 18.6 14.7 22.1





#79

Terphenyl-d14

Concen: 80.559 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

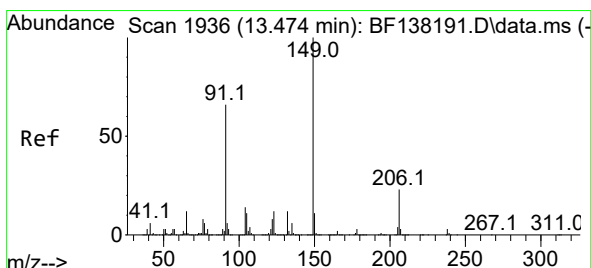
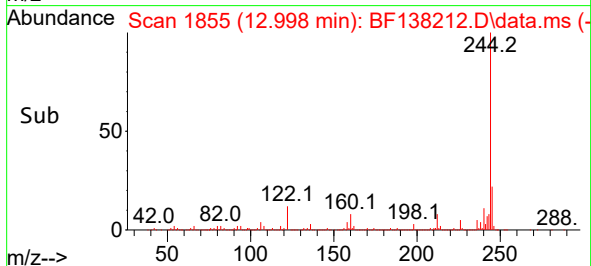
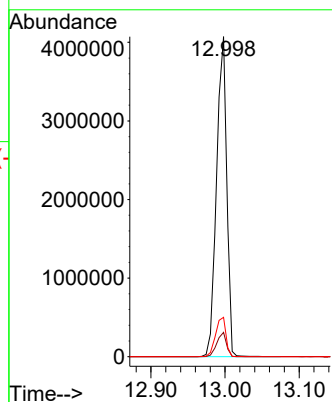
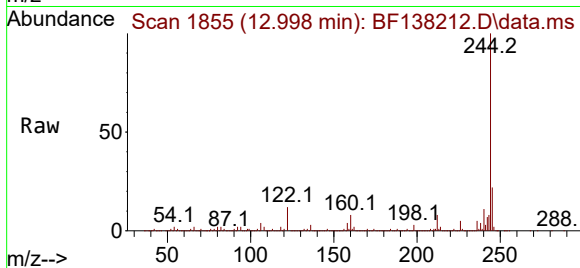
Tgt Ion:244 Resp: 3887229

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 12.3 10.6 15.8



#80

Butylbenzylphthalate

Concen: 75.710 ng

RT: 13.474 min Scan# 1936

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

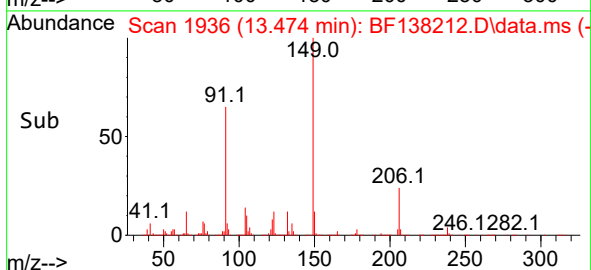
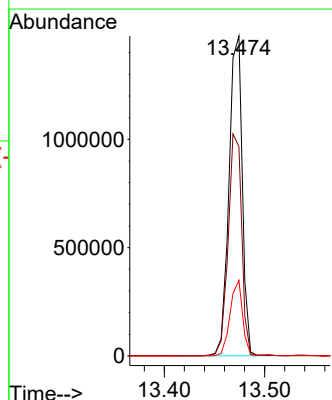
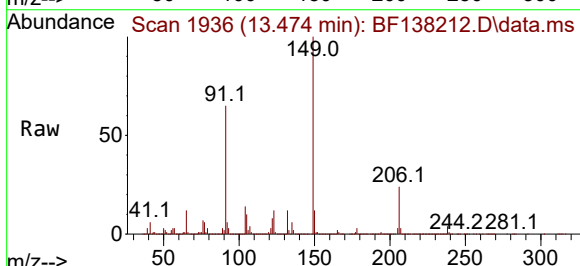
Tgt Ion:149 Resp: 1357563

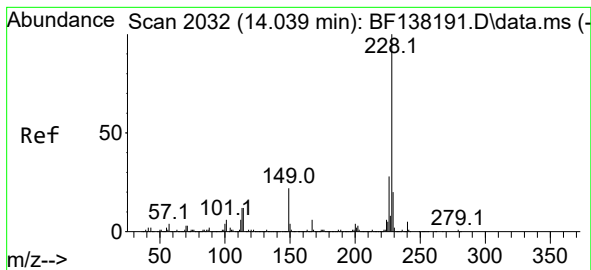
Ion Ratio Lower Upper

149 100

91 65.4 53.2 79.8

206 23.6 18.6 27.8





#81

Benzo(a)anthracene

Concen: 49.819 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

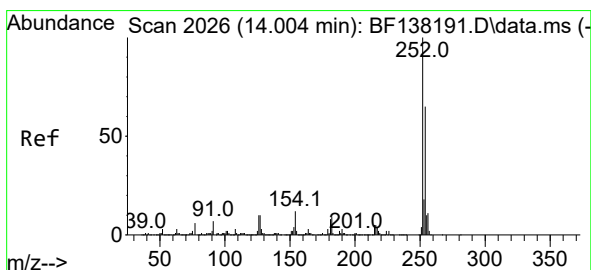
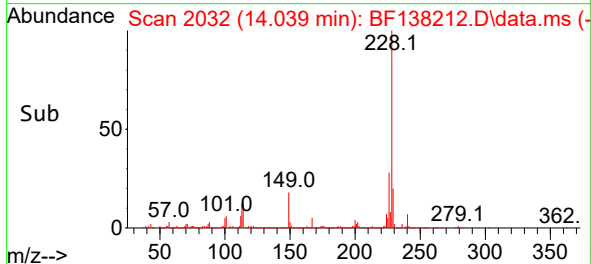
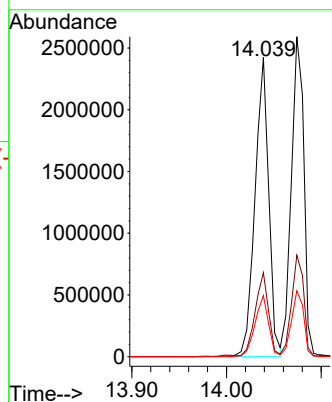
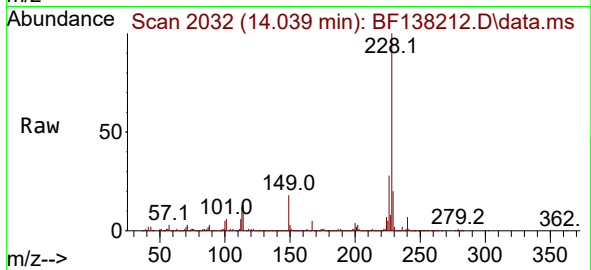
Tgt Ion:228 Resp: 2442627

Ion Ratio Lower Upper

228 100

226 28.1 22.5 33.7

229 20.4 16.3 24.5



#82

3,3'-Dichlorobenzidine

Concen: 47.759 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

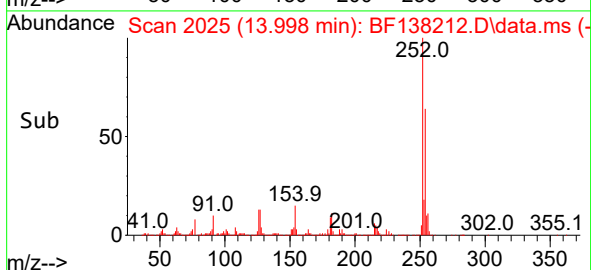
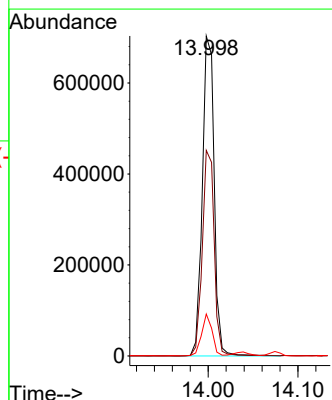
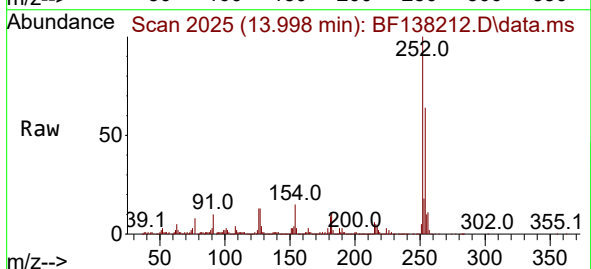
Tgt Ion:252 Resp: 644840

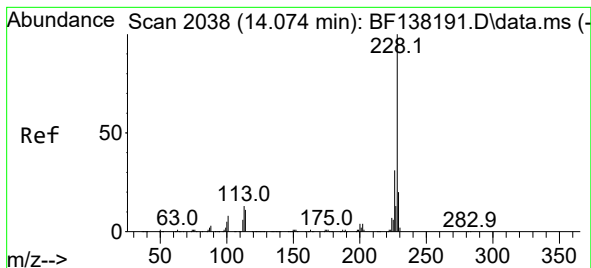
Ion Ratio Lower Upper

252 100

254 64.3 51.8 77.6

126 13.1 8.3 12.5#





#83

Chrysene

Concen: 50.765 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

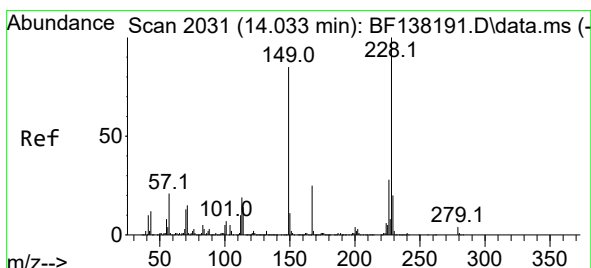
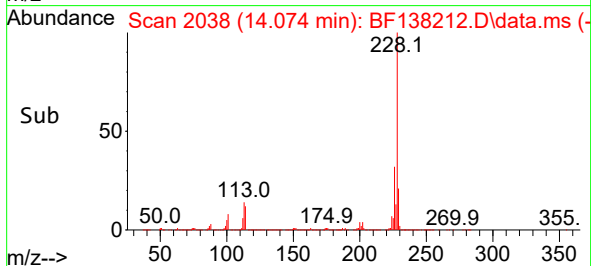
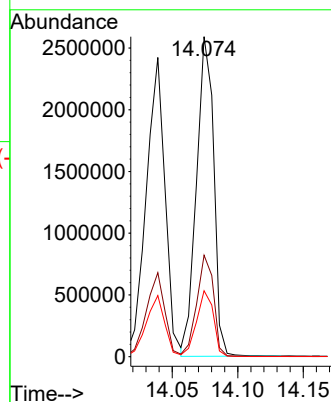
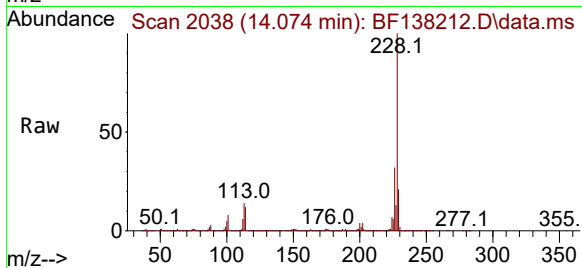
Tgt Ion:228 Resp: 2372471

Ion Ratio Lower Upper

228 100

226 31.7 24.5 36.7

229 20.6 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 83.411 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

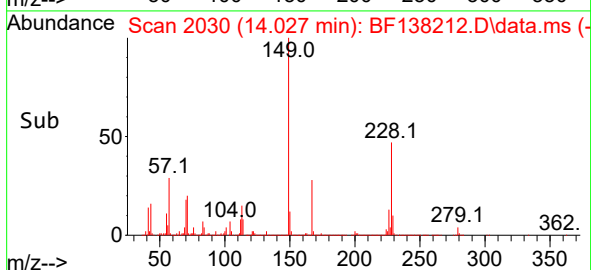
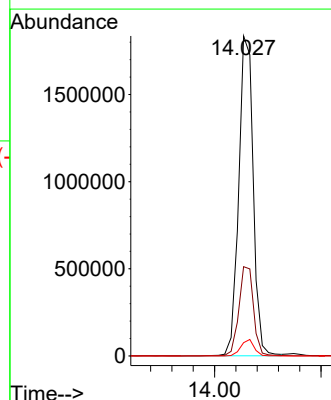
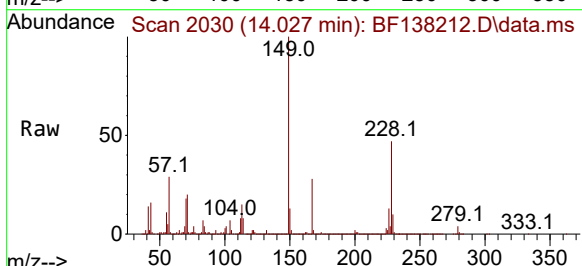
Tgt Ion:149 Resp: 1739528

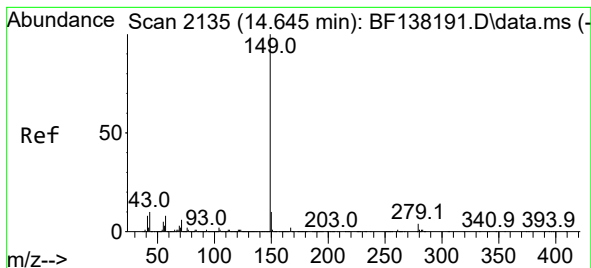
Ion Ratio Lower Upper

149 100

167 27.9 23.5 35.3

279 4.2 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 84.275 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

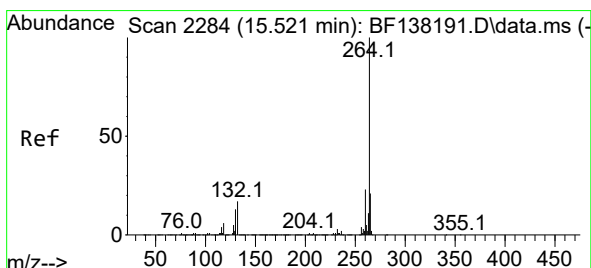
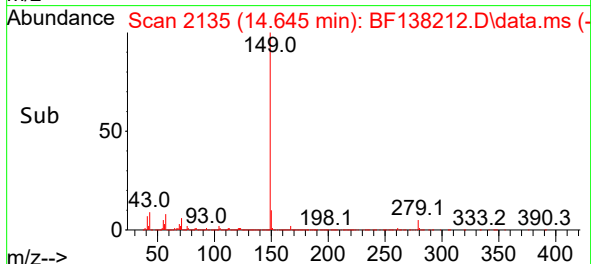
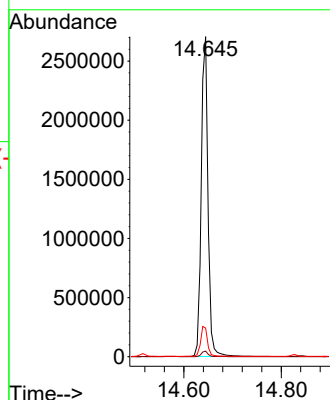
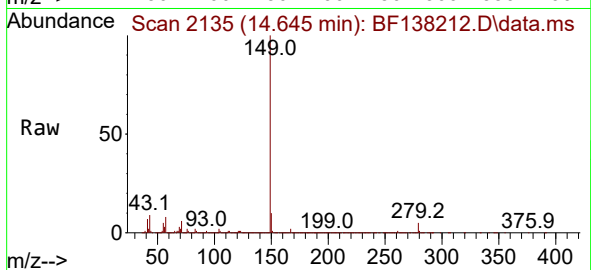
Tgt Ion:149 Resp: 2611032

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 9.7 7.8 11.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

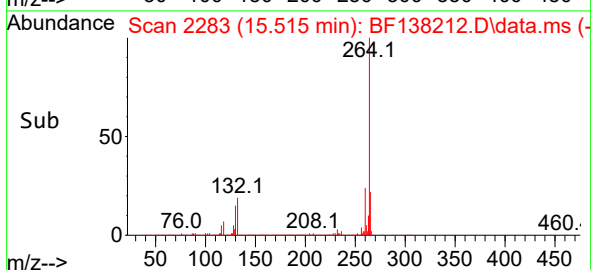
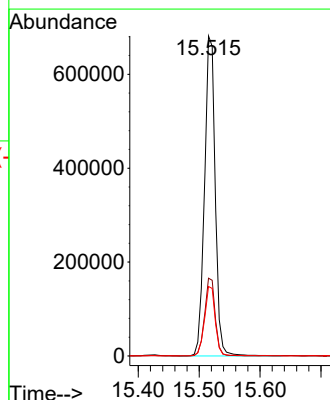
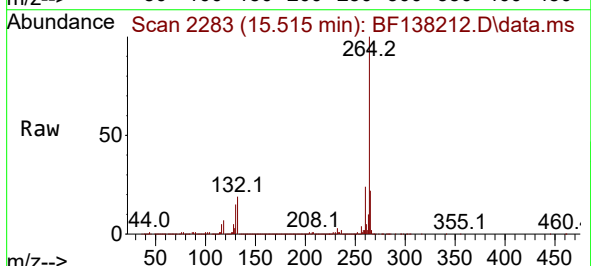
Tgt Ion:264 Resp: 829469

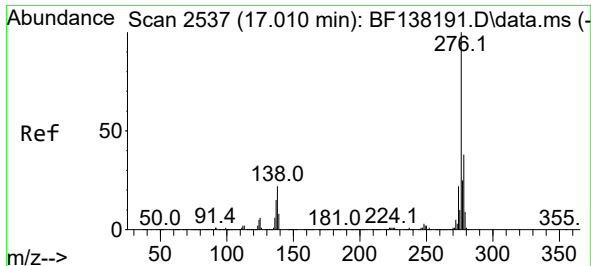
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 21.7 17.0 25.6

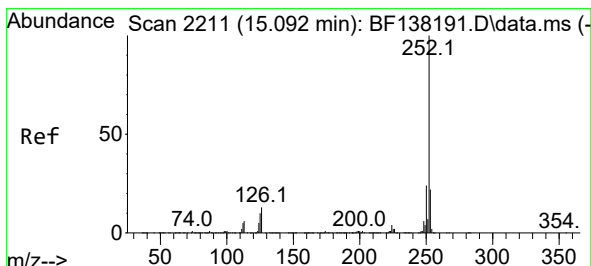
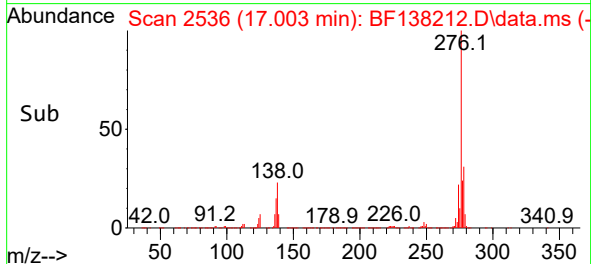
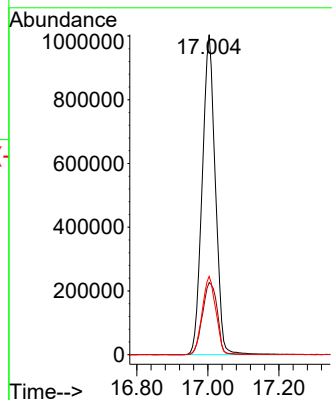
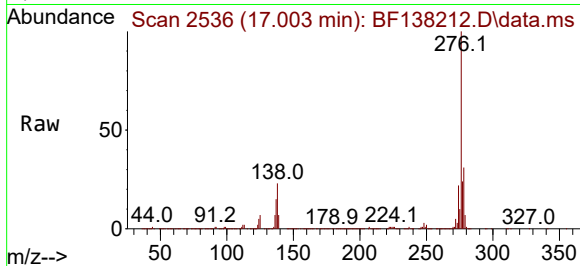




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.677 ng
RT: 17.003 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

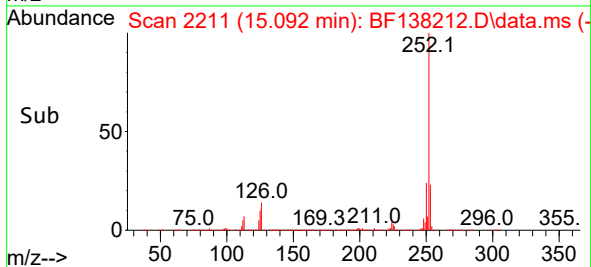
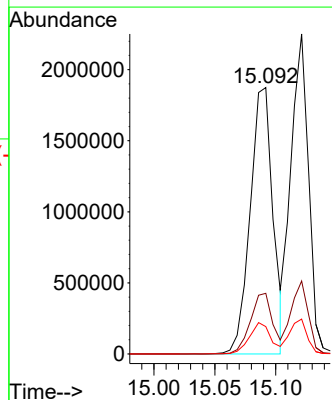
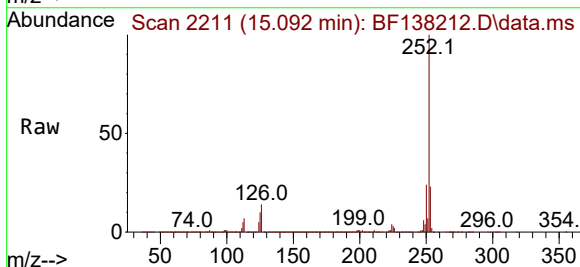
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

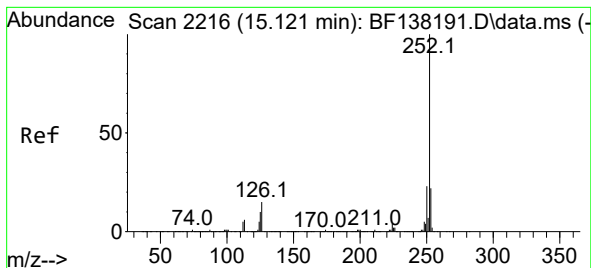
Tgt Ion:276 Resp: 2578077
Ion Ratio Lower Upper
276 100
138 25.6 19.3 28.9
277 25.4 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 49.805 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:252 Resp: 2436209
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 10.3 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 47.967 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

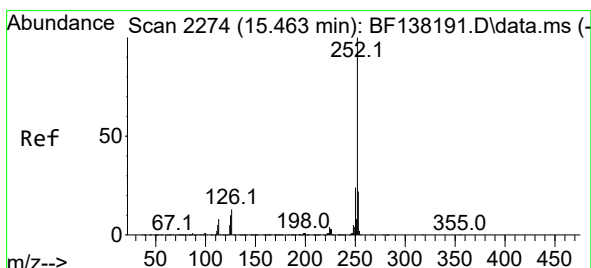
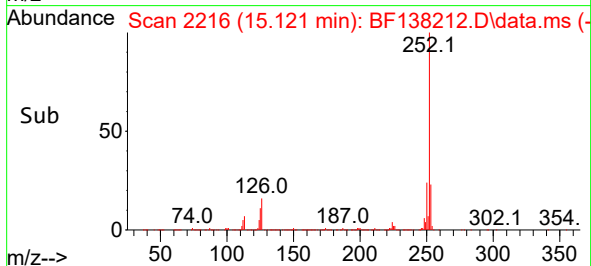
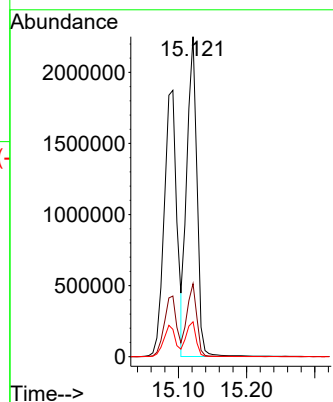
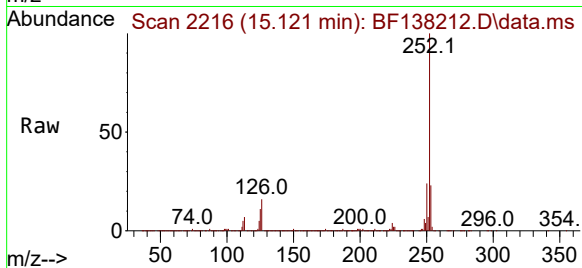
Tgt Ion:252 Resp: 2299436

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 10.9 8.0 12.0



#90

Benzo(a)pyrene

Concen: 52.952 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

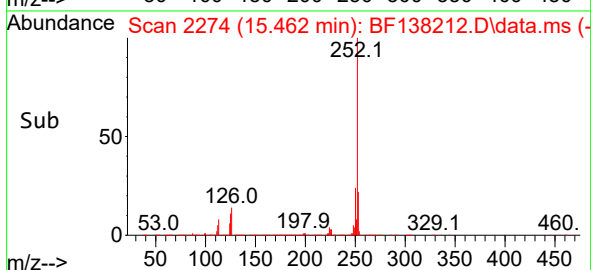
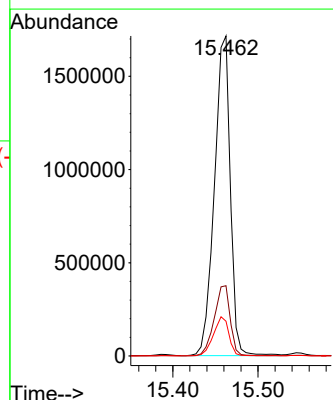
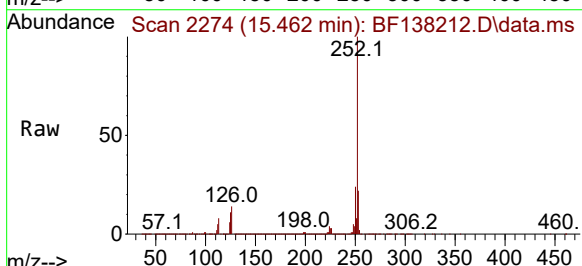
Tgt Ion:252 Resp: 2225171

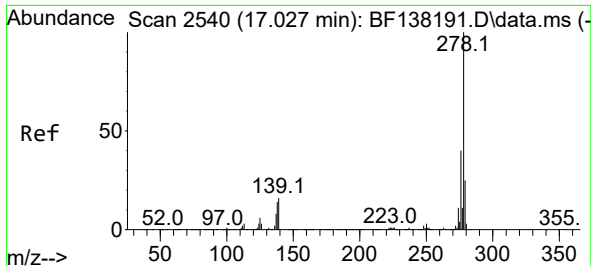
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 10.8 8.2 12.2

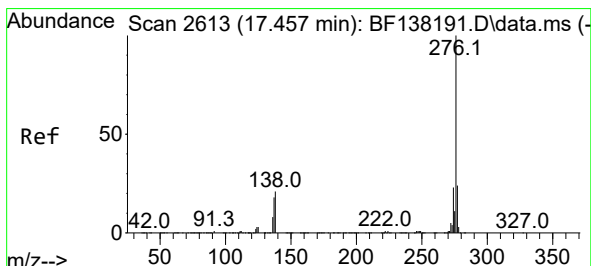
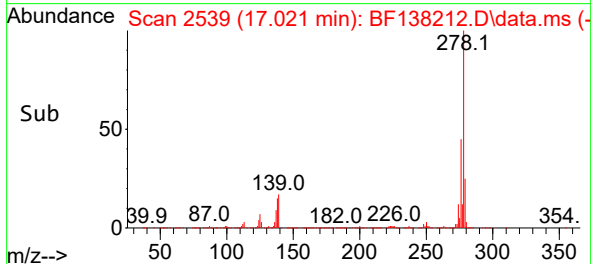
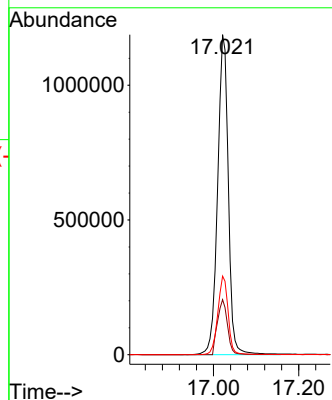
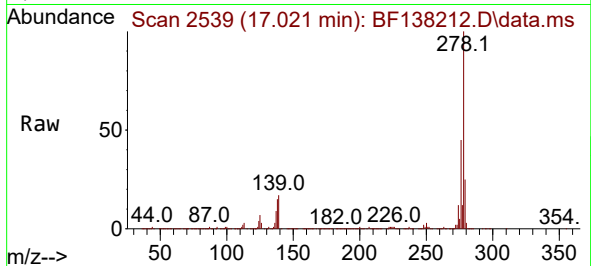




#91
Dibenzo(a,h)anthracene
Concen: 46.669 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

Tgt Ion:278 Resp: 2071340
Ion Ratio Lower Upper
278 100
139 17.2 12.9 19.3
279 24.6 19.9 29.9



#92
Benzo(g,h,i)perylene
Concen: 42.687 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:276 Resp: 1959992
Ion Ratio Lower Upper
276 100
277 23.6 19.5 29.3
138 22.1 16.6 24.8

