

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022123\
 Data File : BP013863.D
 Acq On : 21 Feb 2023 12:37
 Operator : CG/JU
 Sample : 01378-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

Quant Time: Feb 22 01:51:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP020723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 22 01:41:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	209245	20.000	ng/u1	0.00
20) Naphthalene-d8	10.928	136	886475	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.745	164	621041	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.498	188	1415249	20.000	ng/u1	0.00
79) Chrysene-d12	21.575	240	1280476	20.000	ng/u1	0.00
88) Perylene-d12	24.127	264	1192571	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	17584	3.483	ng/uL	0.00
4) Pyridine-d5	3.887	84	155727	10.405	ng/u1	0.00
7) Phenol-d5	7.252	99	320114	17.170	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	190154	17.406	ng/u1	0.00
11) 2-Chlorophenol-d4	7.628	132	251071	18.294	ng/u1	0.00
15) 4-Methylphenol-d8	8.810	113	261068	17.132	ng/u1	0.00
21) Nitrobenzene-d5	9.275	128	125835	20.402	ng/u1	0.00
24) 2-Nitrophenol-d4	10.005	143	148078	20.793	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	270941	18.669	ng/u1	0.00
31) 4-Chloroaniline-d4	11.063	131	361464	17.571	ng/u1	0.00
46) Dimethylphthalate-d6	14.145	166	912582	18.657	ng/u1	0.00
49) Acenaphthylene-d8	14.440	160	987947	18.658	ng/u1	0.00
54) 4-Nitrophenol-d4	14.928	143	143972	16.521	ng/u1	0.00
60) Fluorene-d10	15.734	176	755974	18.145	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.845	200	156222	17.993	ng/u1	0.00
73) Anthracene-d10	17.598	188	1159705	17.921	ng/u1	0.00
81) Pyrene-d10	19.816	212	1370636	18.876	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.963	264	1128463	18.885	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.493	88	6266	1.156	ng/uL	91
5) Pyridine	3.911	79	45547	3.079	ng/u1	90
6) Benzaldehyde	7.234	77	40386	4.804	ng/u1	97
8) Phenol	7.275	94	75379	3.939	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.516	93	62783	4.094	ng/u1	96
12) 2-Chlorophenol	7.663	128	60964	4.329	ng/u1	98
13) 2-Methylphenol	8.546	108	55263	3.783	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.634	45	68275	3.914	ng/u1	97
16) Acetophenone	8.934	105	97141	3.975	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.916	70	47466	3.911	ng/u1#	94
18) 4-Methylphenol	8.875	108	60738	3.766	ng/u1	95
19) Hexachloroethane	9.193	117	25083	4.350	ng/u1	93
22) Nitrobenzene	9.316	77	73690	4.541	ng/u1	97
23) Isophorone	9.846	82	143570	4.194	ng/u1	99
25) 2-Nitrophenol	10.034	139	35602	4.612	ng/u1	97
26) 2,4-Dimethylphenol	10.087	107	67570	3.932	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.328	93	78622	3.803	ng/u1	94
29) 2,4-Dichlorophenol	10.569	162	63467	4.442	ng/u1	93
30) Naphthalene	10.981	128	204326	4.330	ng/u1	99
32) 4-Chloroaniline	11.087	127	83356	4.019	ng/u1	99
33) Hexachlorobutadiene	11.263	225	48190	4.788	ng/u1	99
34) Caprolactam	11.881	113	20651	4.119	ng/u1	98
35) 4-Chloro-3-methylphenol	12.199	107	68199	4.135	ng/u1	98
36) 2-Methylnaphthalene	12.581	142	139773	4.213	ng/u1	96

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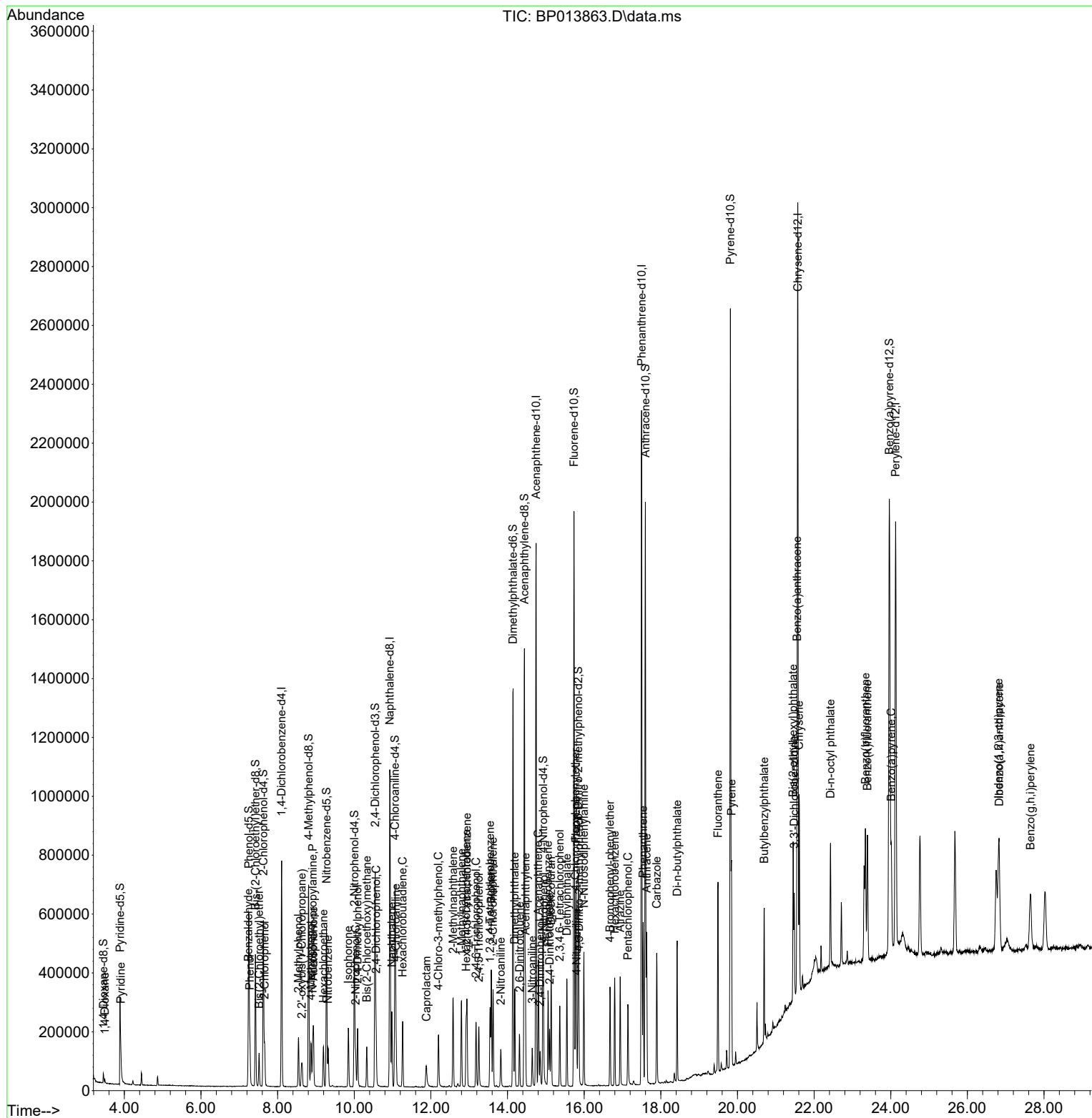
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37) 1-Methylnaphthalene	12.798	142	131991	3.850	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.940	216	91892	4.695	ng/ul	97
40) Hexachlorocyclopentadiene	12.922	237	57095	4.544	ng/ul	97
41) 2,4,6-Trichlorophenol	13.181	196	55718	4.339	ng/ul	98
42) 2,4,5-Trichlorophenol	13.251	196	58318	4.195	ng/ul	96
43) 1,1'-Biphenyl	13.575	154	201689	4.328	ng/ul	99
44) 2-Chloronaphthalene	13.622	162	157003	4.283	ng/ul	98
45) 2-Nitroaniline	13.822	65	36230	4.103	ng/ul	98
47) Dimethylphthalate	14.187	163	207587	4.279	ng/ul	98
48) 2,6-Dinitrotoluene	14.316	165	35230	4.156	ng/ul	98
50) Acenaphthylene	14.469	152	246281	4.312	ng/ul	99
51) 3-Nitroaniline	14.645	138	32034	3.823	ng/ul	95
52) Acenaphthene	14.804	153	171820	4.298	ng/ul	99
53) 2,4-Dinitrophenol	14.851	184	28842	4.772	ng/ul	97
55) 4-Nitrophenol	14.940	109	30470	3.985	ng/ul	97
56) Dibenzofuran	15.140	168	245854	4.289	ng/ul	98
57) 2,4-Dinitrotoluene	15.098	165	52882	4.185	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.363	232	56119	4.283	ng/ul	97
59) Diethylphthalate	15.551	149	203509	4.177	ng/ul	99
61) Fluorene	15.787	166	198961	4.255	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.775	204	109340	4.497	ng/ul	99
63) 4-Nitroaniline	15.804	138	31741	4.000	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.863	198	42463	4.989	ng/ul	100
67) N-Nitrosodiphenylamine	15.992	169	169154	4.397	ng/ul	99
68) 4-Bromophenyl-phenylether	16.675	248	68727	4.598	ng/ul	98
69) Hexachlorobenzene	16.798	284	80163	4.603	ng/ul	97
70) Atrazine	16.939	200	71400	4.641	ng/ul	96
71) Pentachlorophenol	17.139	266	54054	4.770	ng/ul	98
72) Phenanthrene	17.539	178	322725	4.309	ng/ul	99
74) Anthracene	17.634	178	313640	4.163	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.546	216	83538	4.422	ng/uL	98
76) Pentachlorobenzene	15.057	250	82621	4.238	ng/uL	98
77) Carbazole	17.892	167	278739	4.200	ng/ul	98
78) Di-n-butylphthalate	18.428	149	331822	4.122	ng/ul	99
80) Fluoranthene	19.492	202	378105	4.548	ng/ul	96
82) Pyrene	19.845	202	394746	4.454	ng/ul	95
83) Butylbenzylphthalate	20.698	149	135089	4.454	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.480	252	112891	3.917	ng/ul	98
85) Benzo(a)anthracene	21.557	228	370078	4.230	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.451	149	209018	4.500	ng/ul	99
87) Chrysene	21.610	228	354533	4.295	ng/ul	99
89) Di-n-octyl phthalate	22.427	149	311044	3.790	ng/ul	100
90) Benzo(b)fluoranthene	23.339	252	339327	4.267	ng/ul	98
91) Benzo(k)fluoranthene	23.392	252	341416	4.328	ng/ul	97
93) Benzo(a)pyrene	24.016	252	289219	4.291	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.815	276	349262	4.620	ng/ul#	95
95) Dibenzo(a,h)anthracene	26.833	278	286108	4.531	ng/ul	97
96) Benzo(g,h,i)perylene	27.645	276	275861	4.583	ng/ul	97

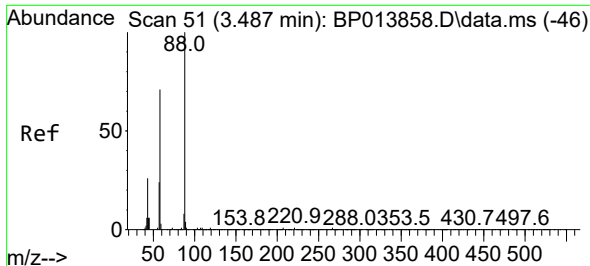
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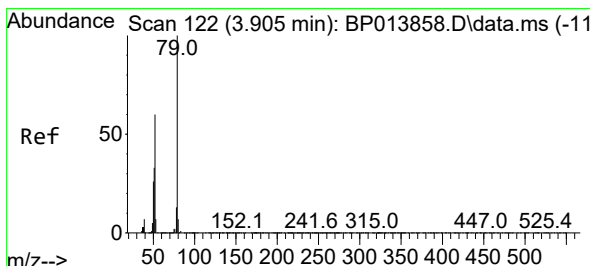
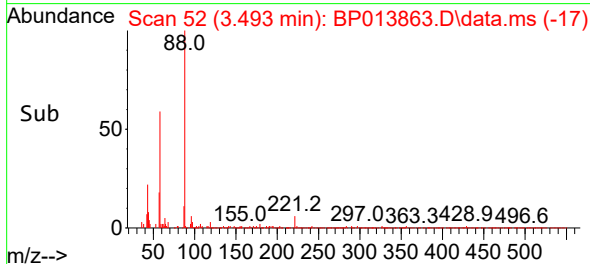
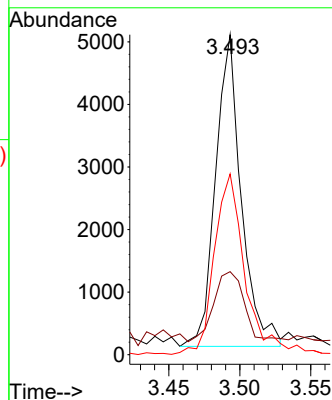
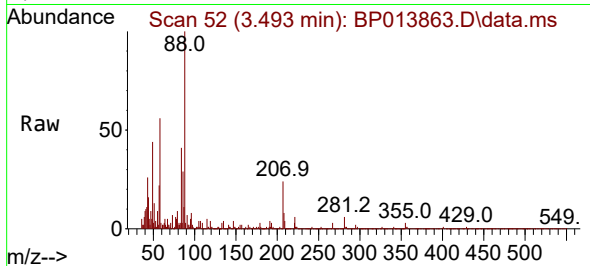




#2
1,4-Dioxane
Concen: 1.156 ng/uL
RT: 3.493 min Scan# 51
Delta R.T. 0.006 min
Lab File: BP013863.D
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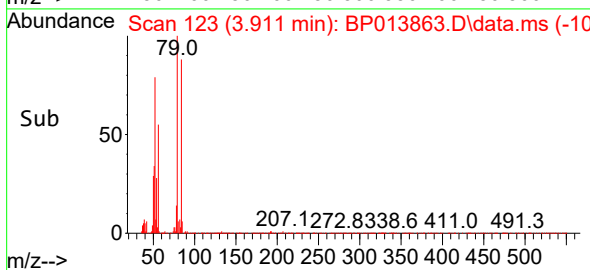
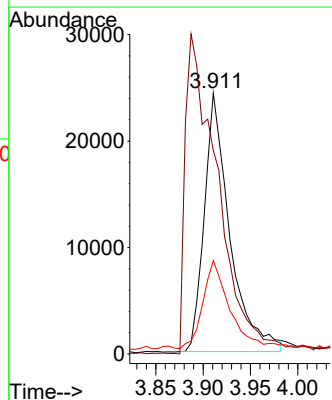
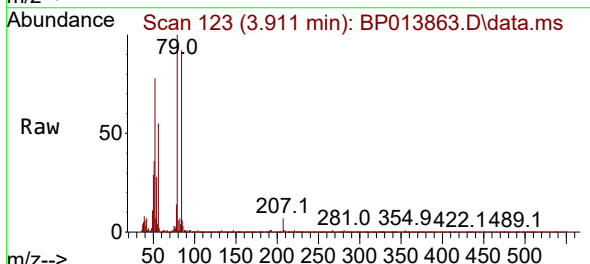
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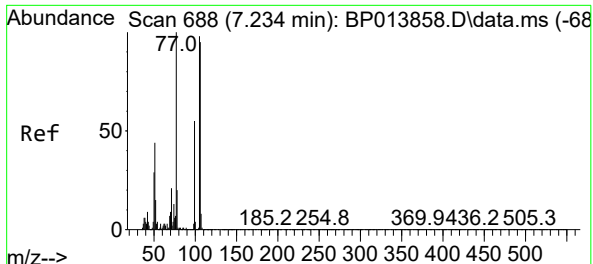
Tgt Ion: 88 Resp: 6266
Ion Ratio Lower Upper
88 100
43 26.0 20.1 30.1
58 56.5 53.0 79.6



#5
Pyridine
Concen: 3.079 ng/uL
RT: 3.911 min Scan# 123
Delta R.T. 0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion: 79 Resp: 45547
Ion Ratio Lower Upper
79 100
52 77.9 55.1 82.7
51 35.8 25.7 38.5

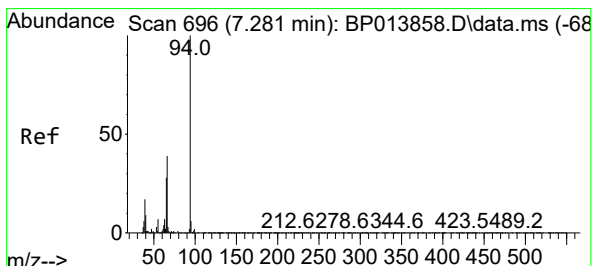
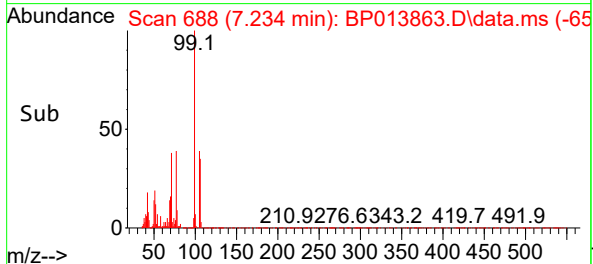
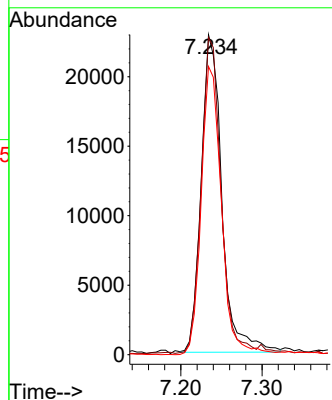
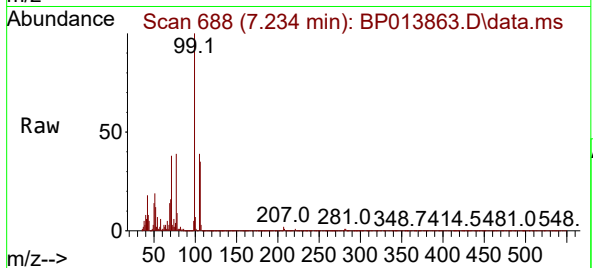




#6
Benzaldehyde
Concen: 4.804 ng/ul
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

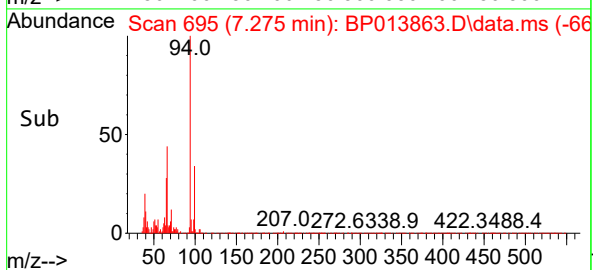
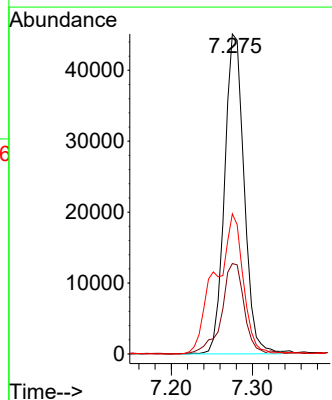
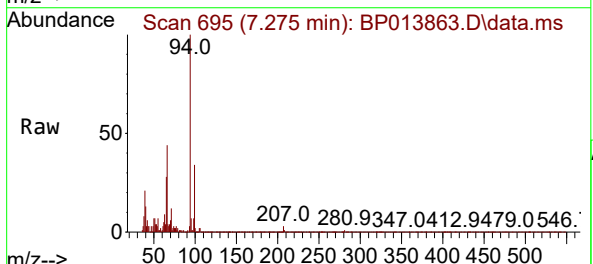
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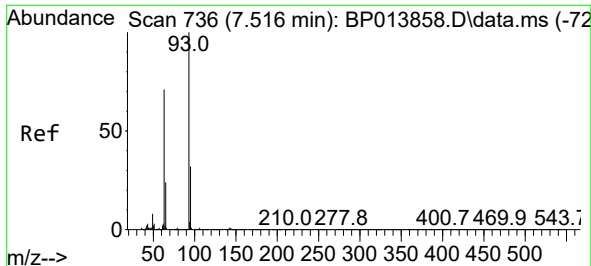
Tgt Ion: 77 Resp: 40386
Ion Ratio Lower Upper
77 100
105 99.2 79.5 119.3
106 90.0 76.5 114.7



#8
Phenol
Concen: 3.939 ng/ul
RT: 7.275 min Scan# 695
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion: 94 Resp: 75379
Ion Ratio Lower Upper
94 100
65 28.2 22.2 33.4
66 43.8 29.6 44.4

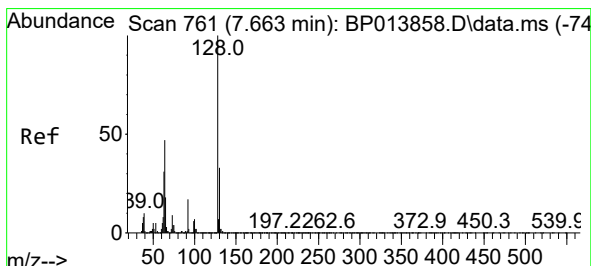
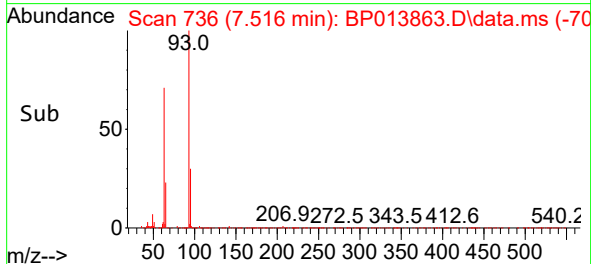
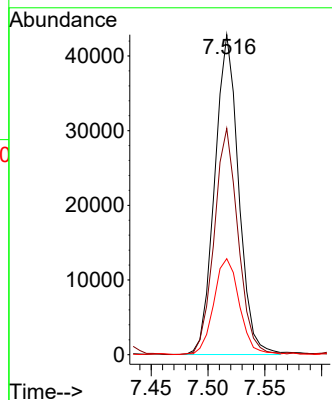
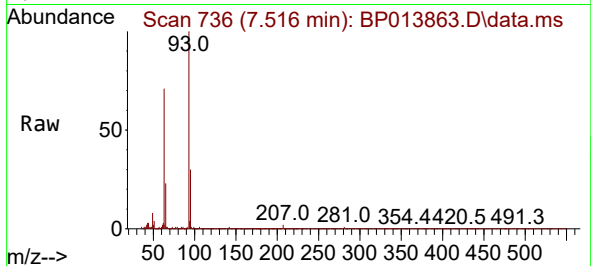




#10
Bis(2-Chloroethyl)ether
Concen: 4.094 ng/ul
RT: 7.516 min Scan# 736
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

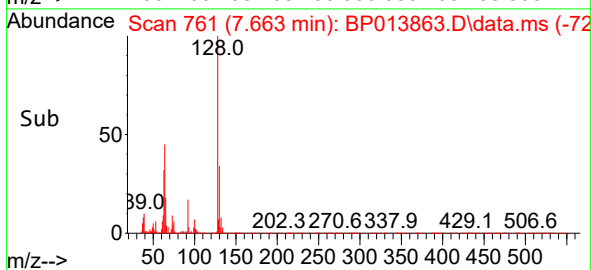
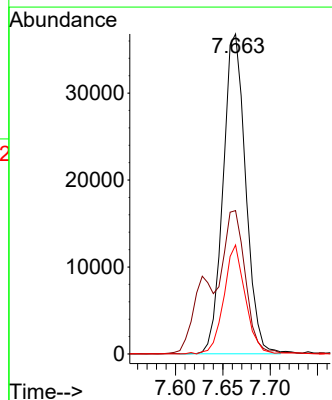
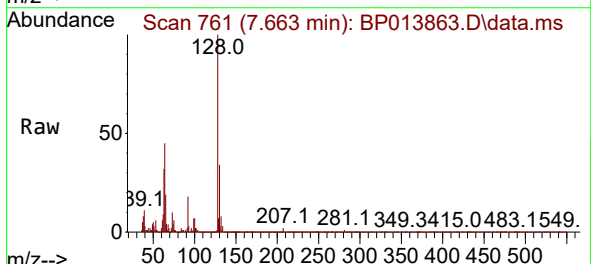
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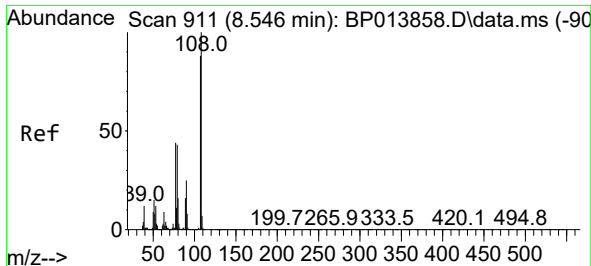
Tgt Ion: 93 Resp: 62783
Ion Ratio Lower Upper
93 100
63 70.7 59.4 89.0
95 30.0 25.8 38.8



#12
2-Chlorophenol
Concen: 4.329 ng/ul
RT: 7.663 min Scan# 761
Delta R.T. 0.000 min
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Tgt Ion: 128 Resp: 60964
Ion Ratio Lower Upper
128 100
64 44.8 37.3 55.9
130 34.0 26.3 39.5

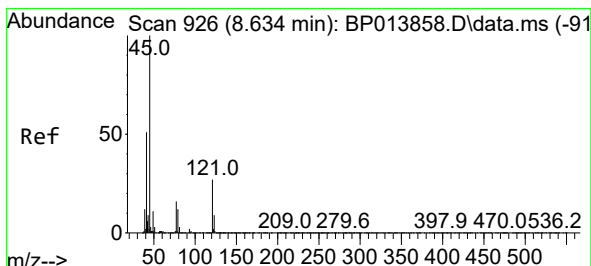
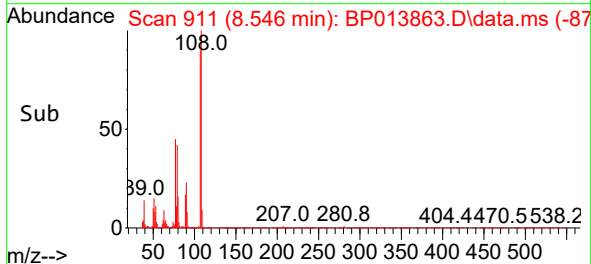
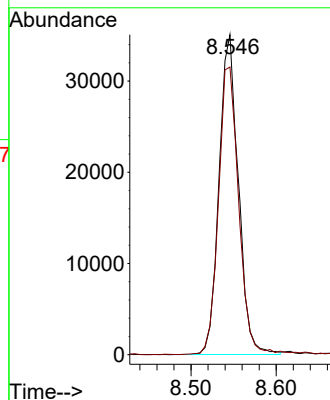
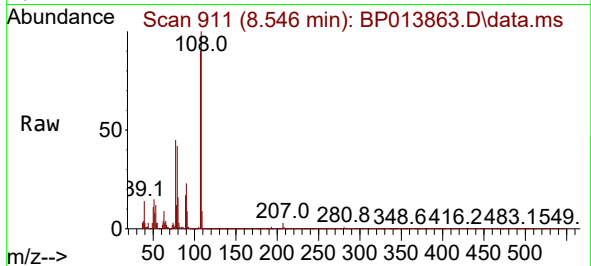




#13
2-Methylphenol
Concen: 3.783 ng/ul
RT: 8.546 min Scan# 911
Delta R.T. -0.000 min
Lab File: BP013863.D
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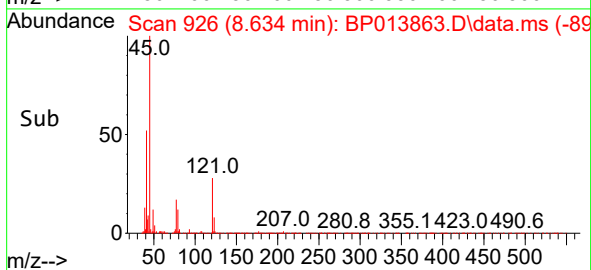
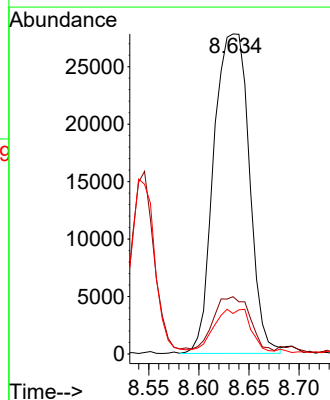
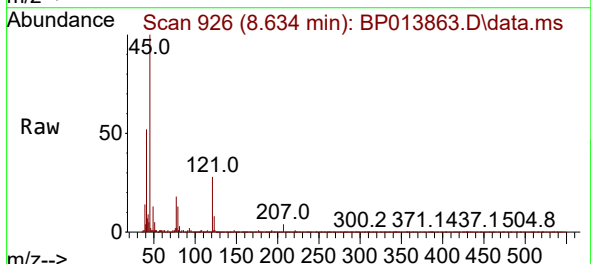
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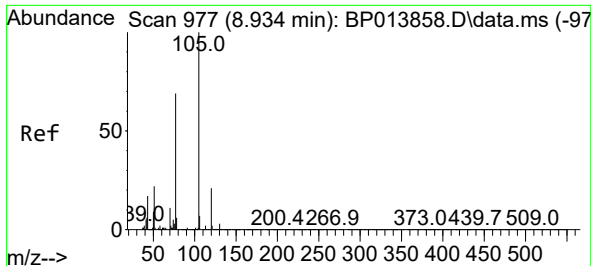
Tgt Ion:108 Resp: 55263
Ion Ratio Lower Upper
108 100
107 89.9 71.9 107.9



#14
2,2'-oxybis(1-Chloropropane)
Concen: 3.914 ng/ul
RT: 8.634 min Scan# 926
Delta R.T. -0.000 min
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Tgt Ion: 45 Resp: 68275
Ion Ratio Lower Upper
45 100
77 17.9 13.4 20.2
79 12.6 11.0 16.4

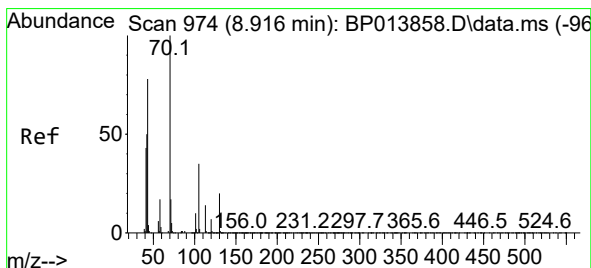
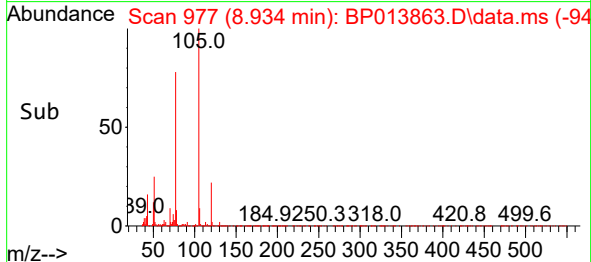
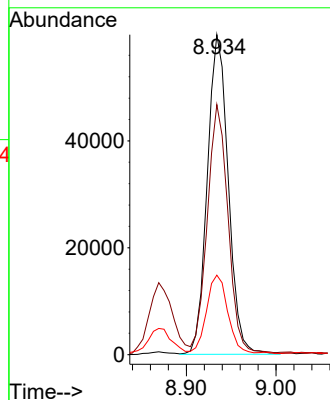
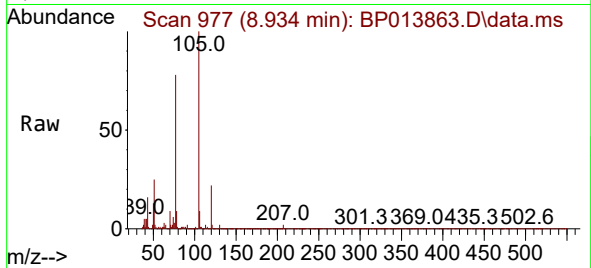




#16
Acetophenone
Concen: 3.975 ng/ul
RT: 8.934 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

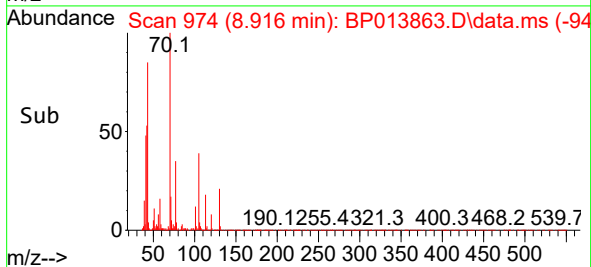
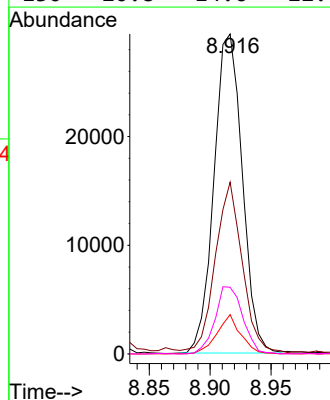
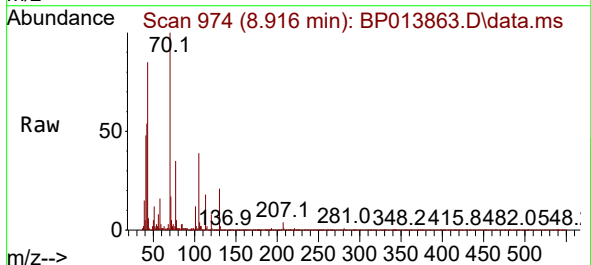
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

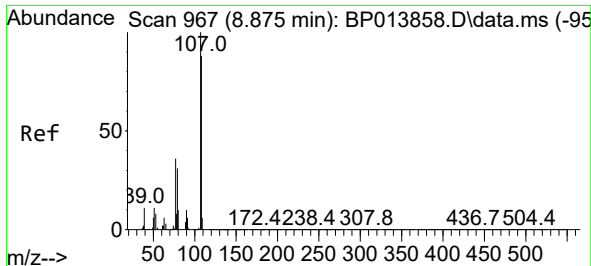
Tgt Ion:105 Resp: 97141
Ion Ratio Lower Upper
105 100
77 78.1 61.0 91.4
51 24.8 19.6 29.4



#17
N-Nitroso-di-n-propylamine
Concen: 3.911 ng/ul
RT: 8.916 min Scan# 974
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion: 70 Resp: 47466
Ion Ratio Lower Upper
70 100
42 53.7 39.8 59.8
101 12.3 7.4 11.2#
130 20.8 14.6 22.0

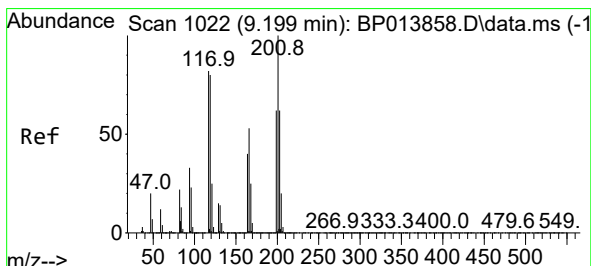
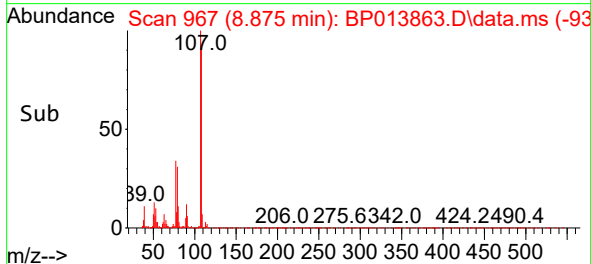
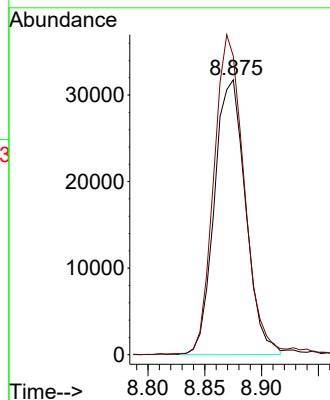
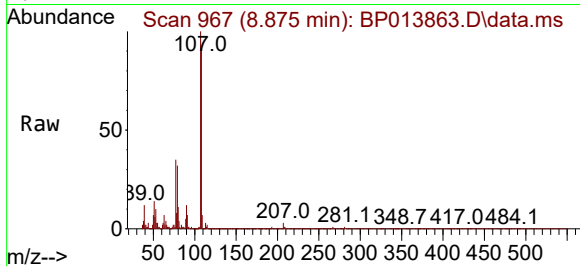




#18
4-Methylphenol
Concen: 3.766 ng/ul
RT: 8.875 min Scan# 90
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

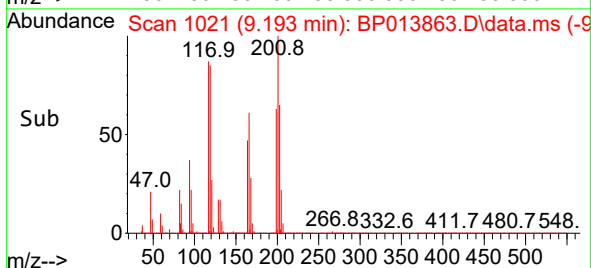
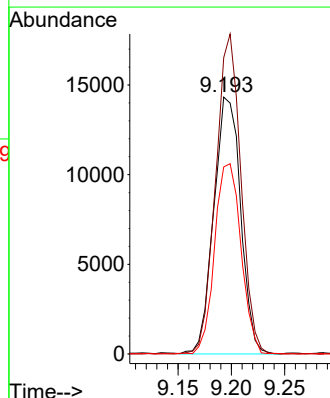
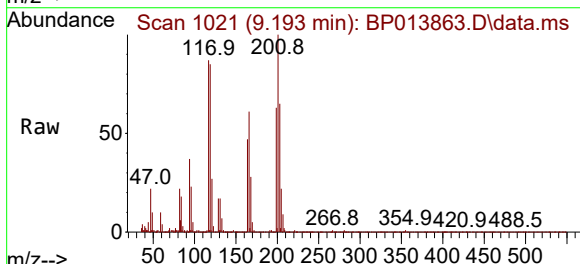
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

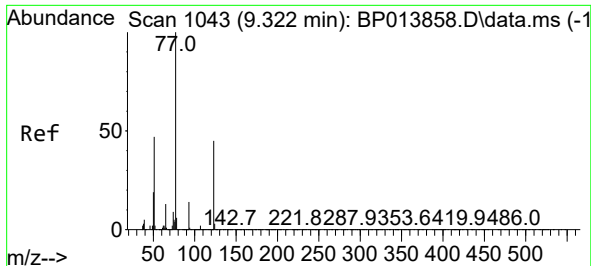
Tgt Ion:108 Resp: 60738
Ion Ratio Lower Upper
108 100
107 108.5 90.9 136.3



#19
Hexachloroethane
Concen: 4.350 ng/ul
RT: 9.193 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:117 Resp: 25083
Ion Ratio Lower Upper
117 100
201 115.4 86.6 129.8
199 75.3 55.2 82.8

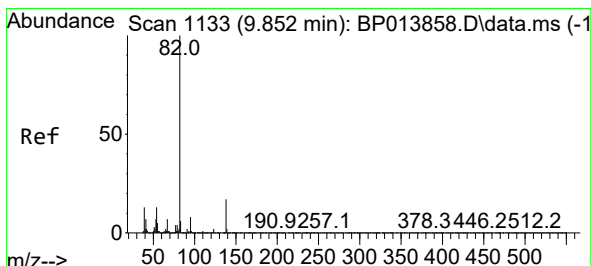
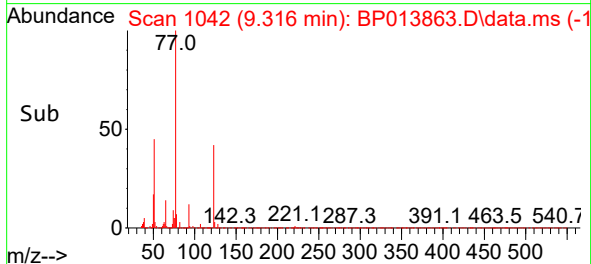
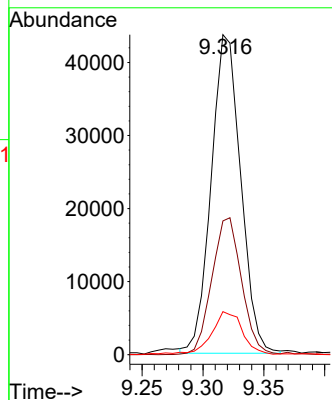
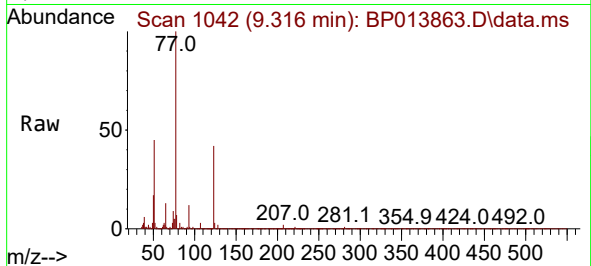




#22
Nitrobenzene
Concen: 4.541 ng/ul
RT: 9.316 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

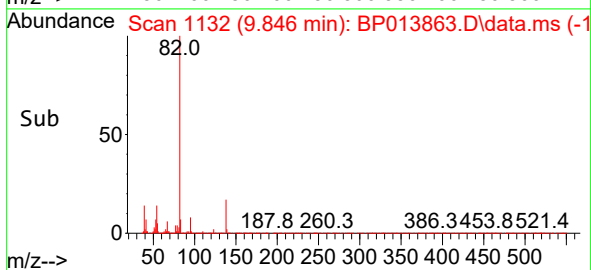
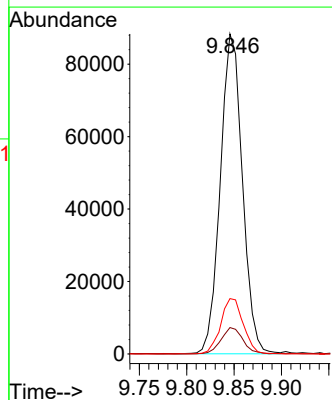
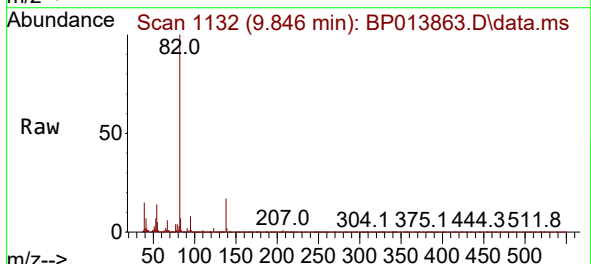
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

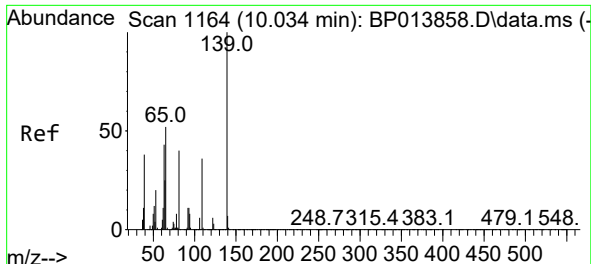
Tgt Ion: 77 Resp: 73690
Ion Ratio Lower Upper
77 100
123 41.8 35.1 52.7
65 13.4 10.6 16.0



#23
Isophorone
Concen: 4.194 ng/ul
RT: 9.846 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion: 82 Resp: 143570
Ion Ratio Lower Upper
82 100
95 8.3 6.0 9.0
138 17.3 13.7 20.5

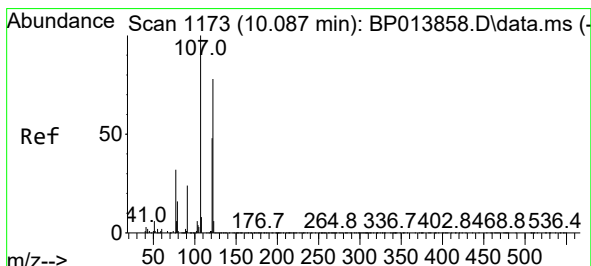
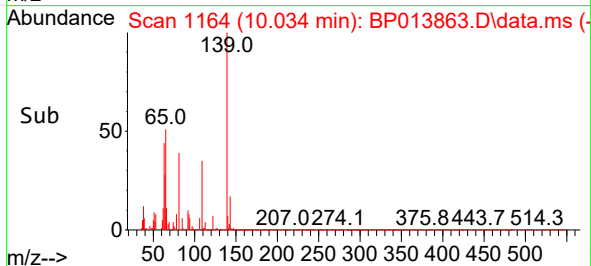
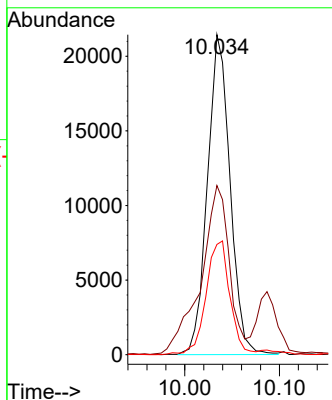
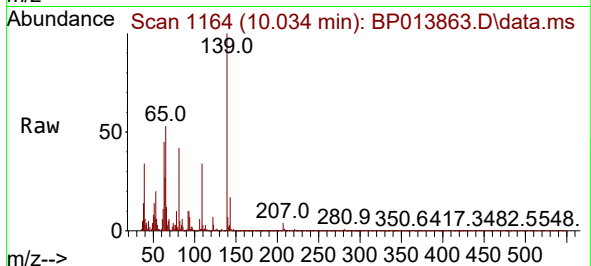




#25
2-Nitrophenol
Concen: 4.612 ng/ul
RT: 10.034 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

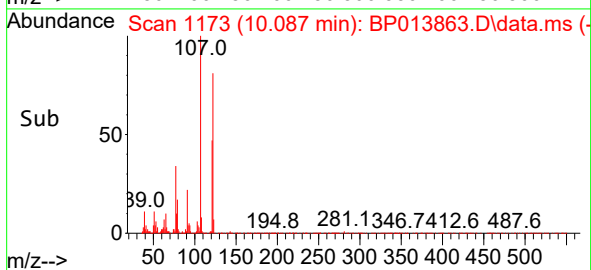
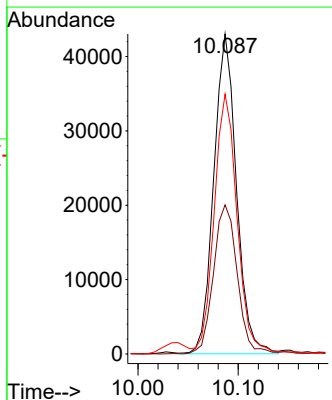
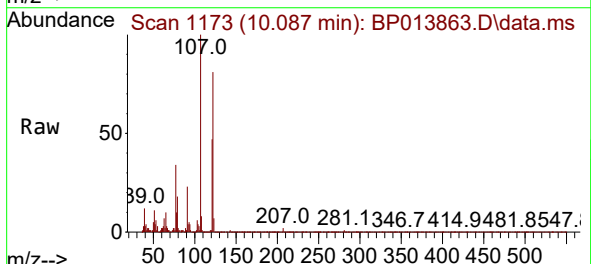
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

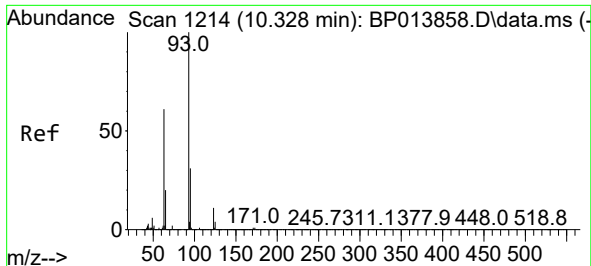
Tgt Ion	Ratio	Lower	Upper
139	100		
65	52.9	39.9	59.9
109	34.5	27.4	41.0



#26
2,4-Dimethylphenol
Concen: 3.932 ng/ul
RT: 10.087 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion	Ratio	Lower	Upper
107	100		
121	46.6	37.8	56.6
122	81.2	63.7	95.5





#27

Bis(2-Chloroethoxy)methane

Concen: 3.803 ng/ul

RT: 10.328 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

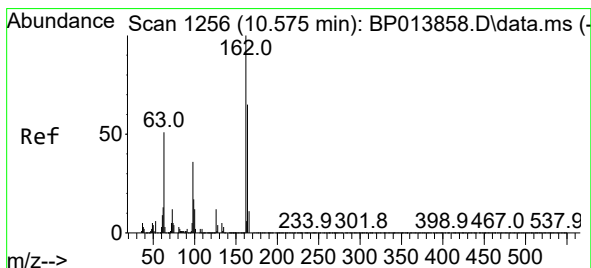
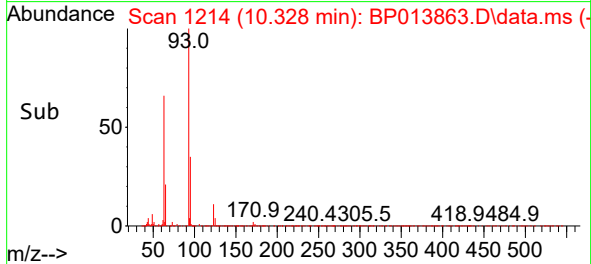
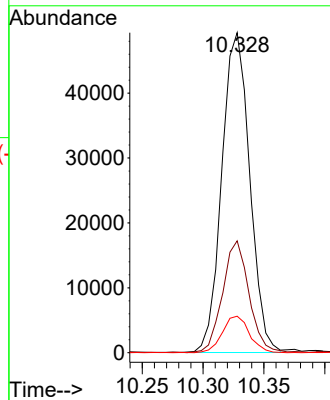
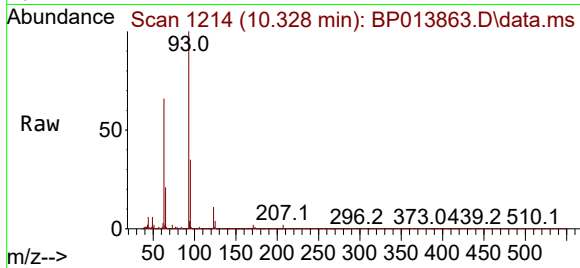
Tgt Ion: 93 Resp: 78622

Ion Ratio Lower Upper

93 100

95 35.0 25.0 37.6

123 11.4 8.2 12.4



#29

2,4-Dichlorophenol

Concen: 4.442 ng/ul

RT: 10.569 min Scan# 1255

Delta R.T. -0.006 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

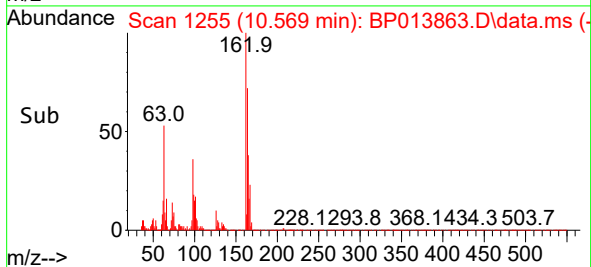
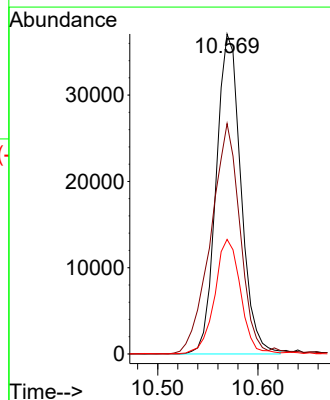
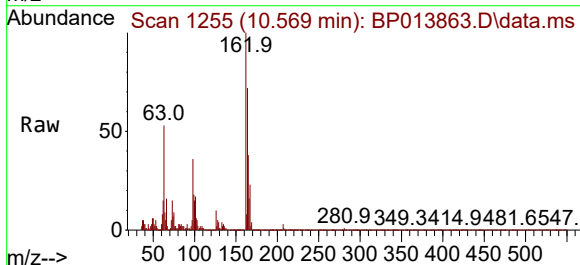
Tgt Ion: 162 Resp: 63467

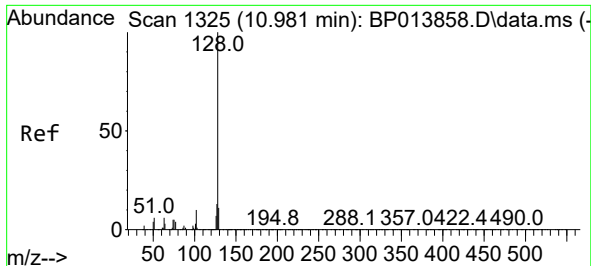
Ion Ratio Lower Upper

162 100

164 72.0 51.4 77.2

98 35.8 27.5 41.3

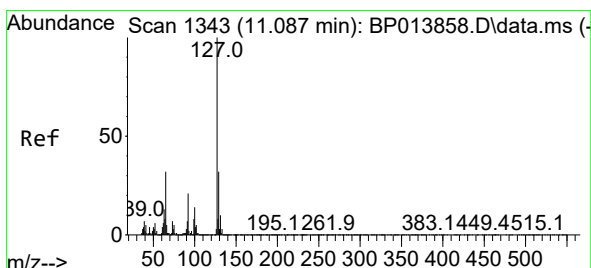
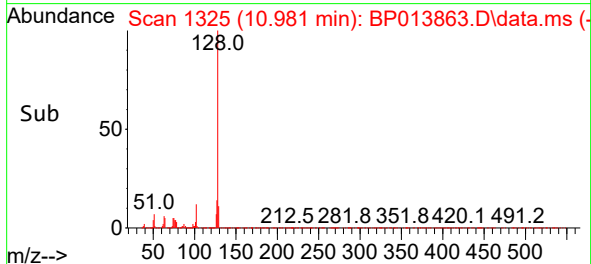
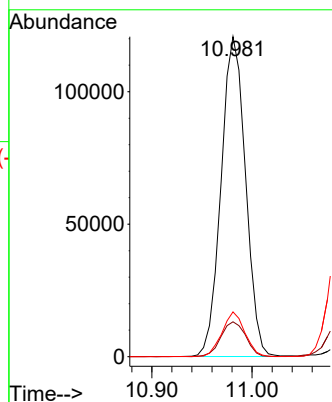
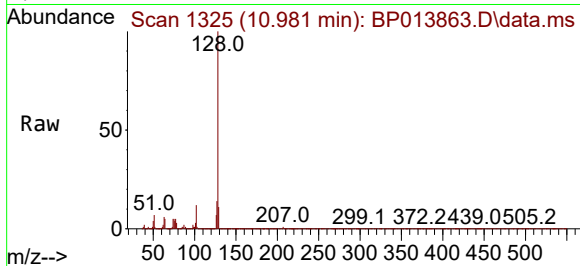




#30
Naphthalene
Concen: 4.330 ng/ul
RT: 10.981 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

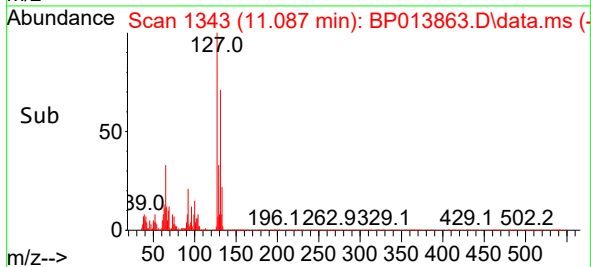
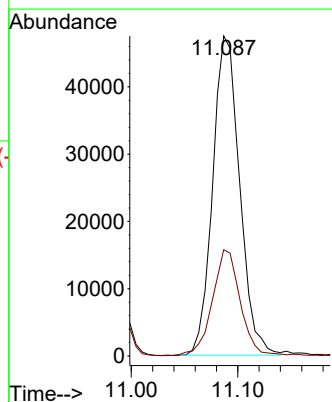
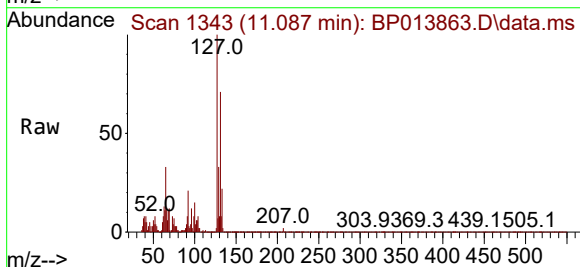
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

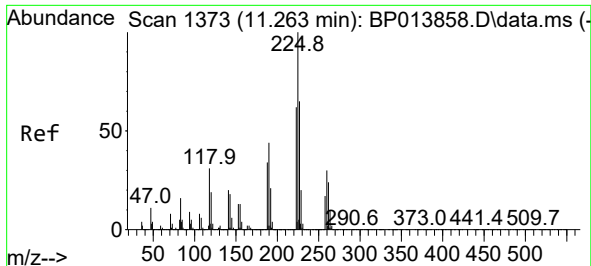
Tgt Ion:128 Resp: 204326
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 14.0 10.6 15.8



#32
4-Chloroaniline
Concen: 4.019 ng/ul
RT: 11.087 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:127 Resp: 83356
Ion Ratio Lower Upper
127 100
129 33.2 26.2 39.4

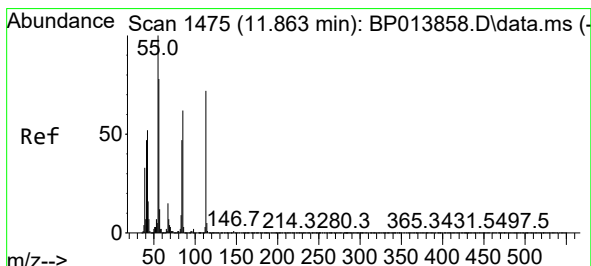
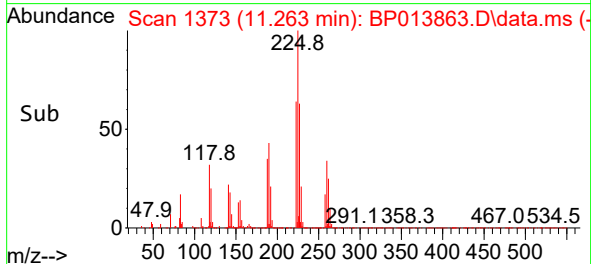
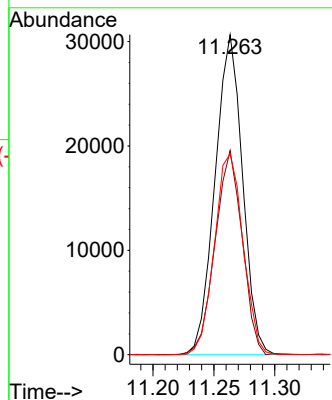
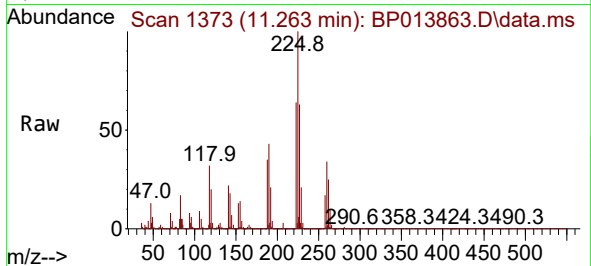




#33
Hexachlorobutadiene
Concen: 4.788 ng/ul
RT: 11.263 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

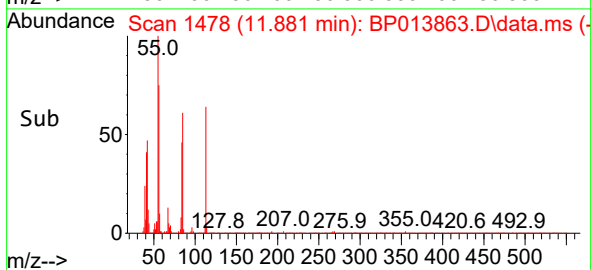
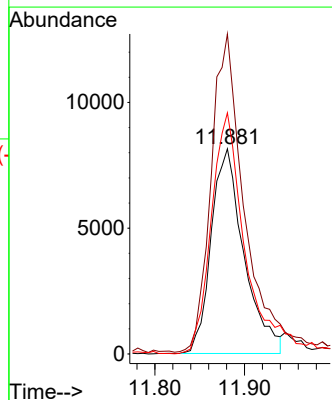
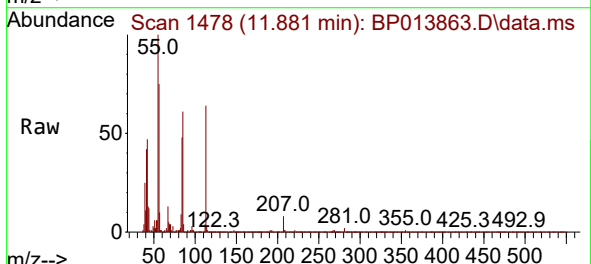
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

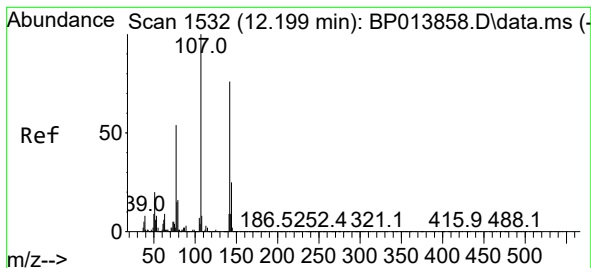
Tgt Ion:225 Resp: 48190
Ion Ratio Lower Upper
225 100
223 63.8 50.6 76.0
227 62.7 49.0 73.4



#34
Caprolactam
Concen: 4.119 ng/ul
RT: 11.881 min Scan# 1478
Delta R.T. 0.018 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:113 Resp: 20651
Ion Ratio Lower Upper
113 100
55 156.0 120.9 181.3
56 117.5 93.8 140.8

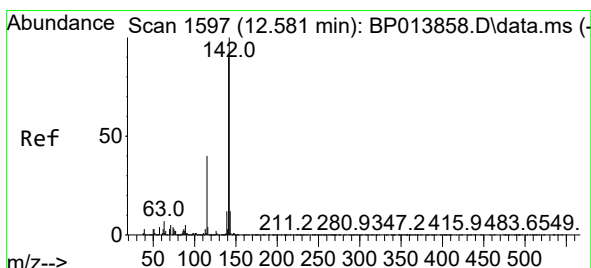
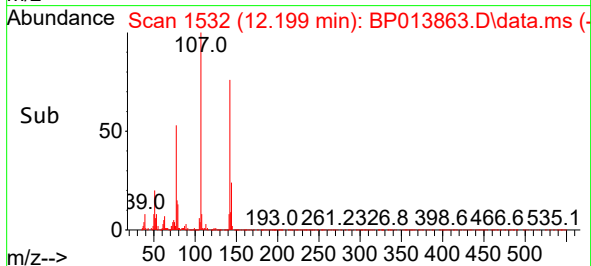
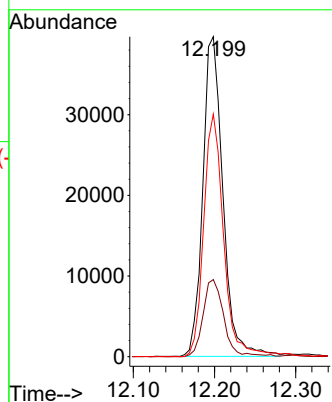
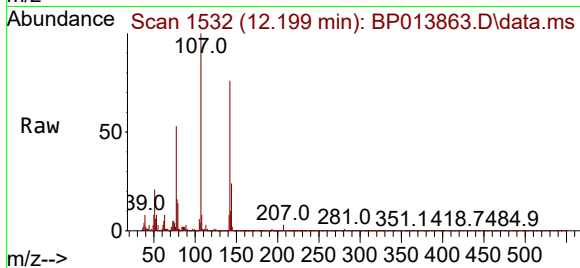




#35
4-Chloro-3-methylphenol
Concen: 4.135 ng/ul
RT: 12.199 min Scan# 1532
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

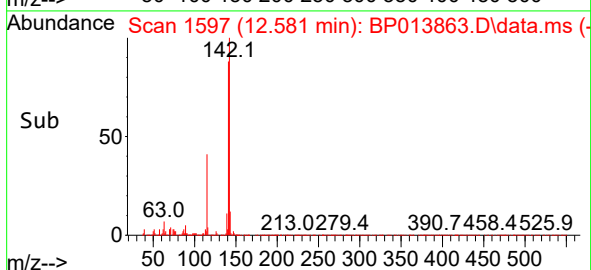
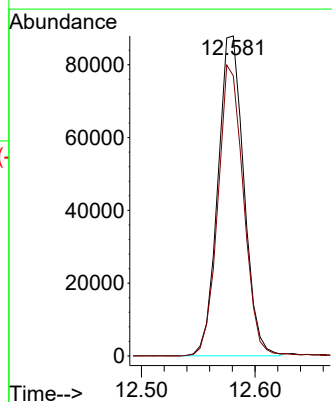
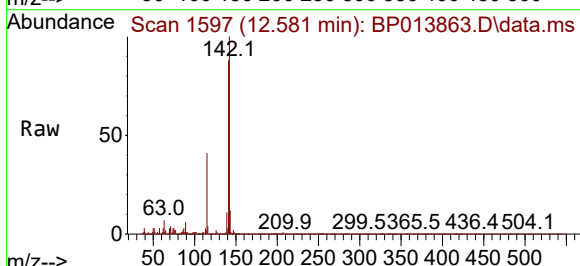
Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

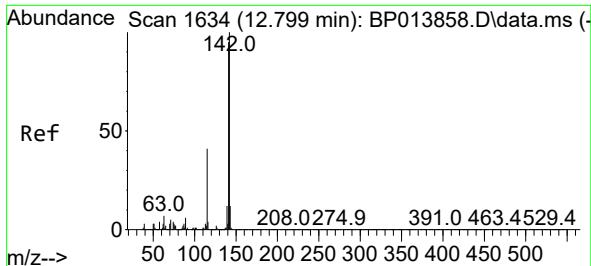
Tgt Ion:107 Resp: 68199
Ion Ratio Lower Upper
107 100
144 24.1 20.0 30.0
142 75.8 62.1 93.1



#36
2-Methylnaphthalene
Concen: 4.213 ng/ul
RT: 12.581 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:142 Resp: 139773
Ion Ratio Lower Upper
142 100
141 87.5 72.8 109.2





#37

1-Methylnaphthalene

Concen: 3.850 ng/ul

RT: 12.798 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

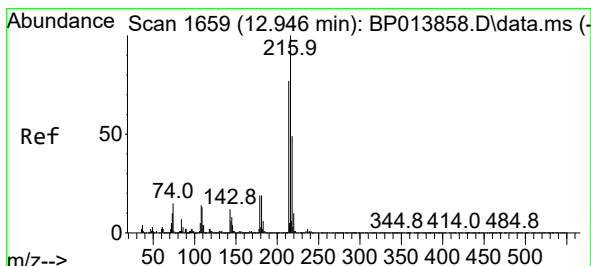
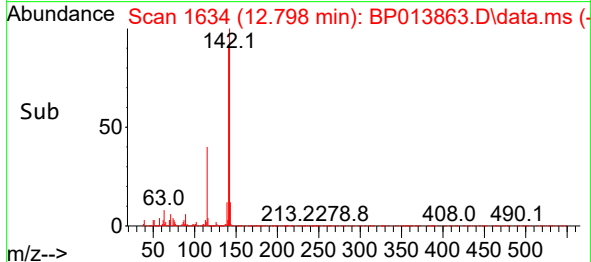
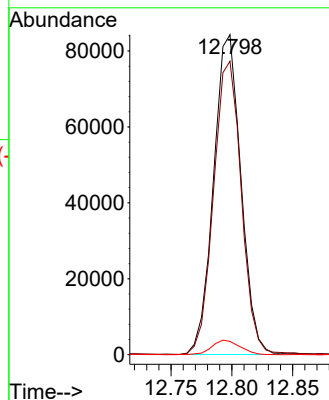
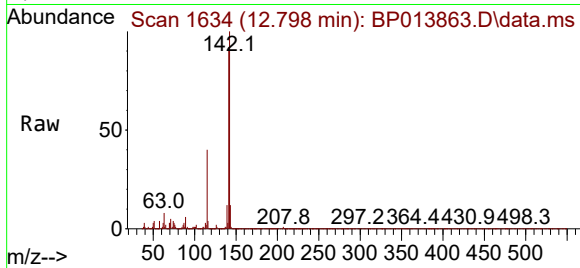
Tgt Ion:142 Resp: 131991

Ion Ratio Lower Upper

142 100

141 91.7 74.2 111.2

116 4.2 3.1 4.7



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.695 ng/ul

RT: 12.940 min Scan# 1658

Delta R.T. -0.006 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Tgt Ion:216 Resp: 91892

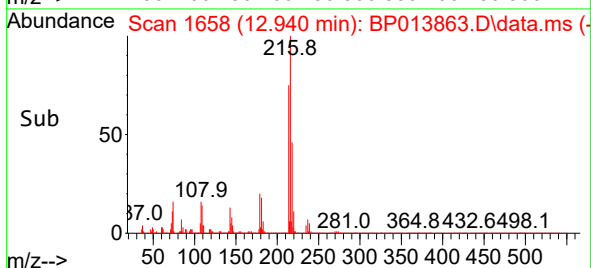
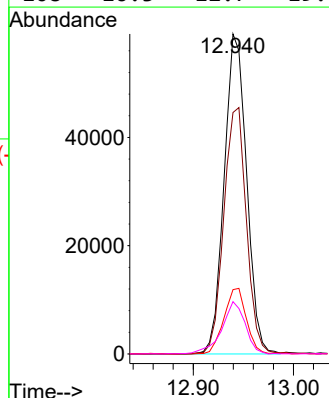
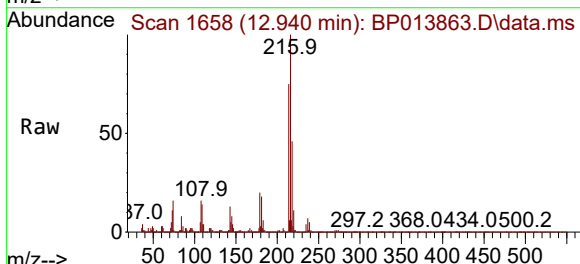
Ion Ratio Lower Upper

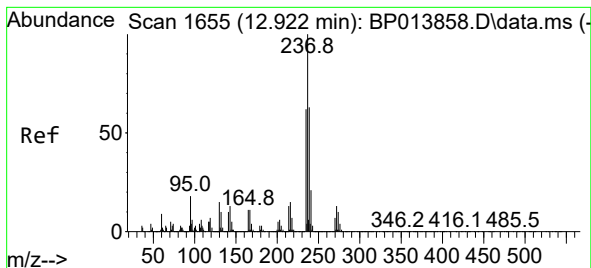
216 100

214 75.4 62.6 93.8

179 20.1 15.4 23.2

108 16.3 12.7 19.1





#40

Hexachlorocyclopentadiene

Concen: 4.544 ng/ul

RT: 12.922 min Scan# 1655

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

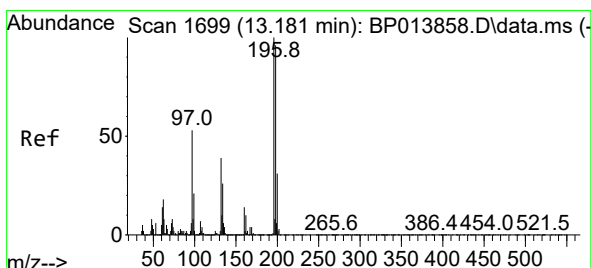
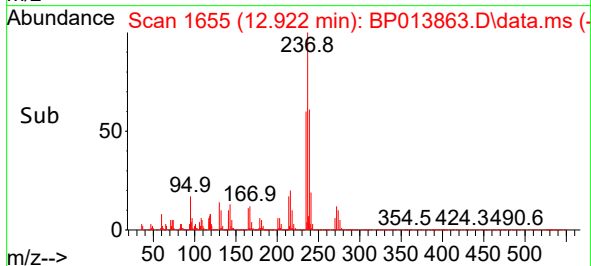
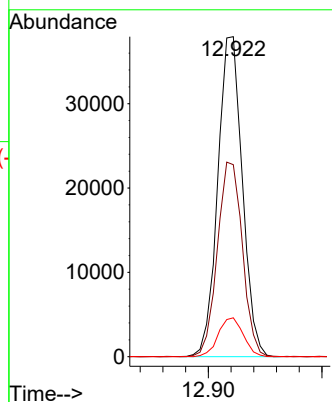
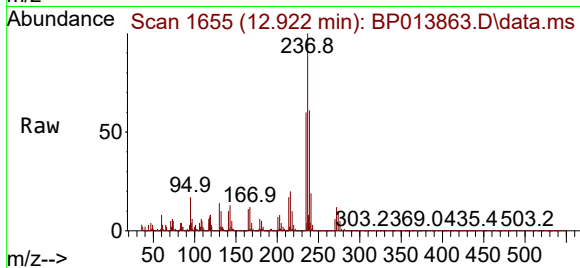
Tgt Ion:237 Resp: 57095

Ion Ratio Lower Upper

237 100

235 60.0 49.8 74.8

272 12.2 10.1 15.1



#41

2,4,6-Trichlorophenol

Concen: 4.339 ng/ul

RT: 13.181 min Scan# 1699

Delta R.T. -0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

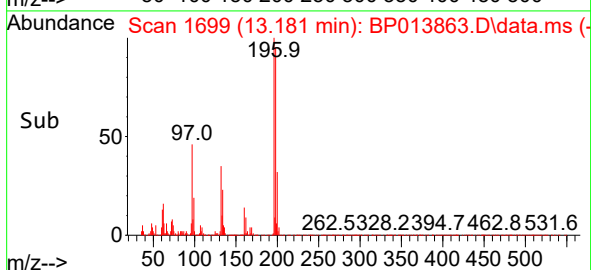
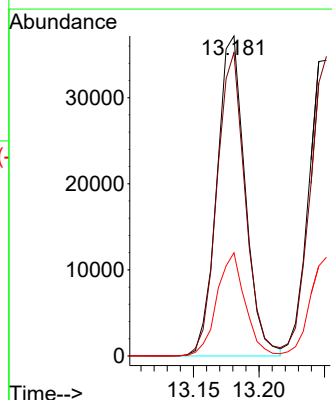
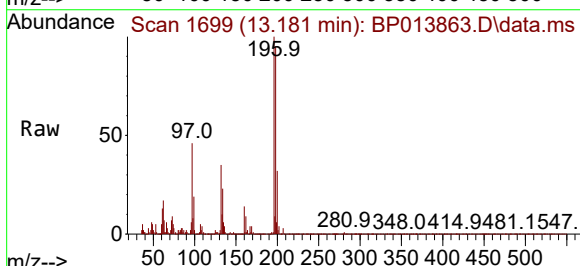
Tgt Ion:196 Resp: 55718

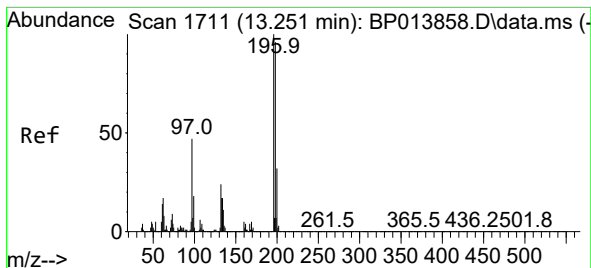
Ion Ratio Lower Upper

196 100

198 94.8 75.1 112.7

200 32.3 24.3 36.5





#42

2,4,5-Trichlorophenol

Concen: 4.195 ng/ul

RT: 13.251 min Scan# 1711

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

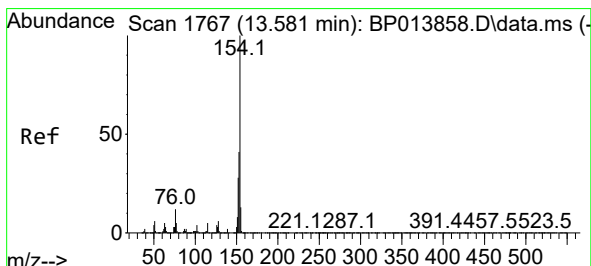
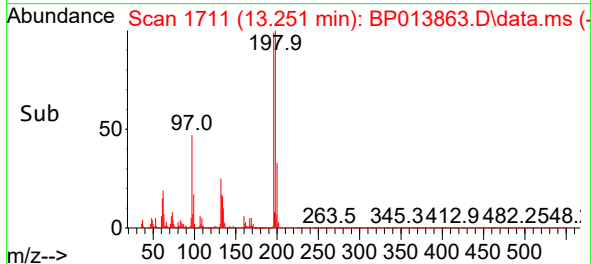
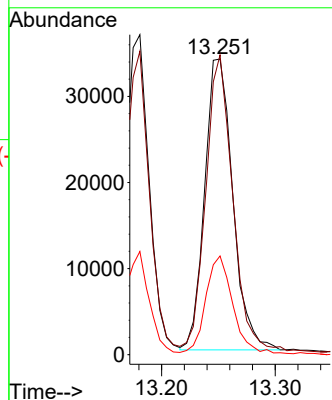
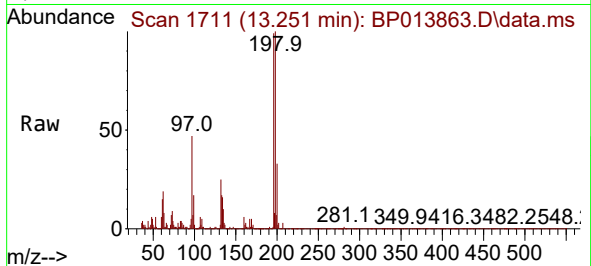
Tgt Ion:196 Resp: 58318

Ion Ratio Lower Upper

196 100

198 101.3 77.0 115.4

200 33.4 25.8 38.6



#43

1,1'-Biphenyl

Concen: 4.328 ng/ul

RT: 13.575 min Scan# 1766

Delta R.T. -0.006 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

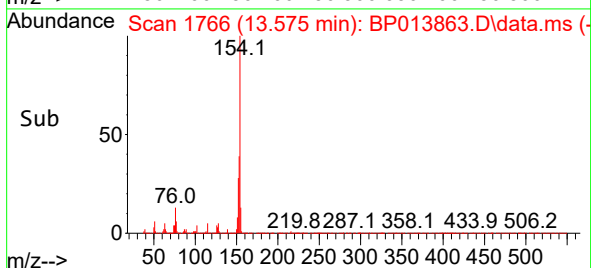
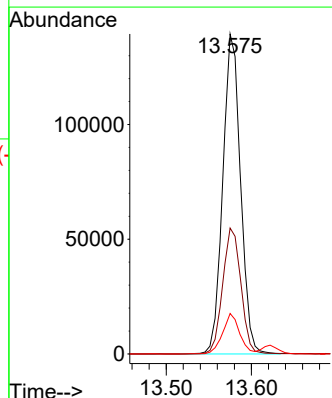
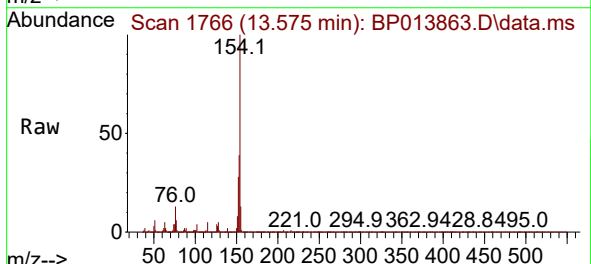
Tgt Ion:154 Resp: 201689

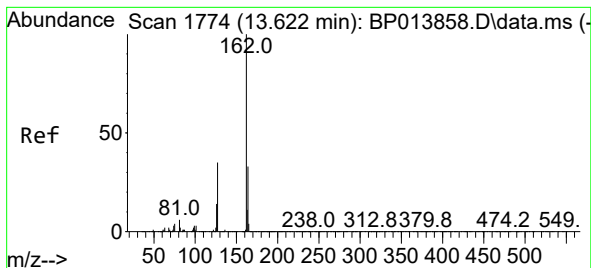
Ion Ratio Lower Upper

154 100

153 39.3 31.9 47.9

76 12.6 9.9 14.9





#44

2-Chloronaphthalene

Concen: 4.283 ng/ul

RT: 13.622 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

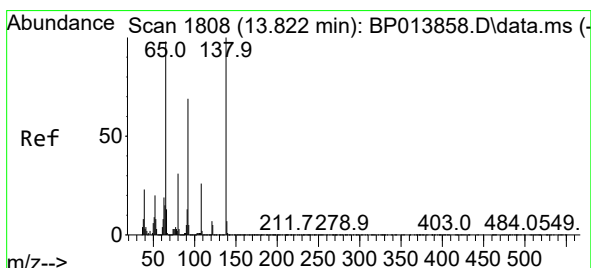
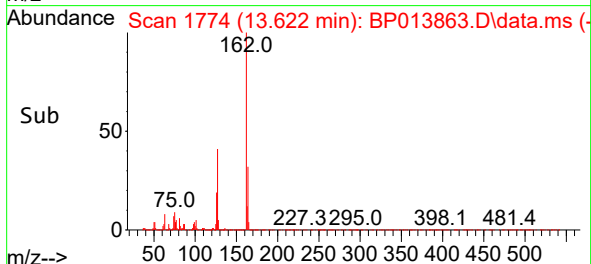
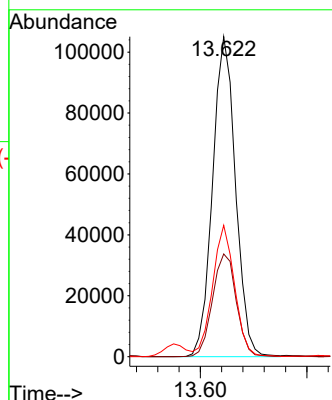
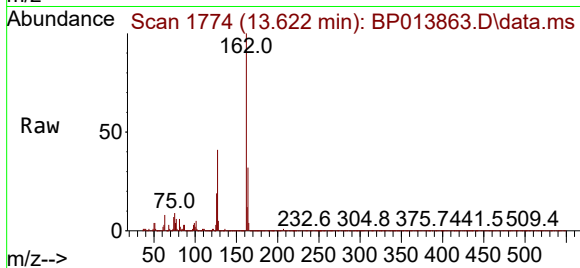
Tgt Ion:162 Resp: 157003

Ion Ratio Lower Upper

162 100

164 32.1 26.1 39.1

127 41.1 31.1 46.7



#45

2-Nitroaniline

Concen: 4.103 ng/ul

RT: 13.822 min Scan# 1808

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

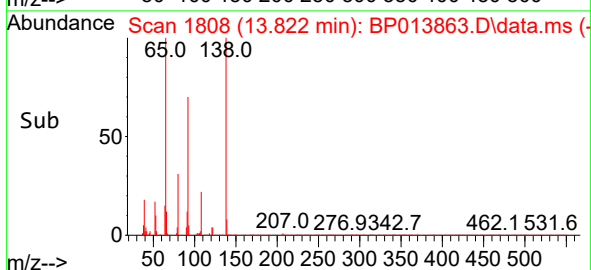
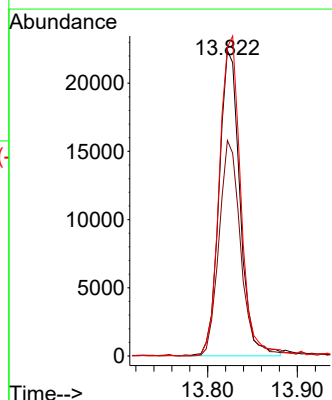
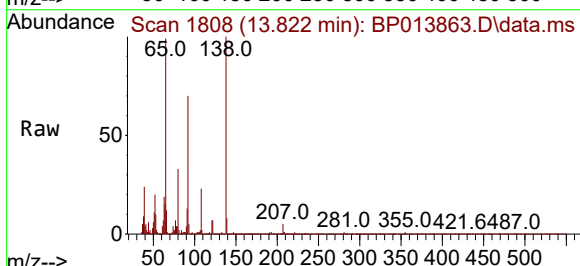
Tgt Ion: 65 Resp: 36230

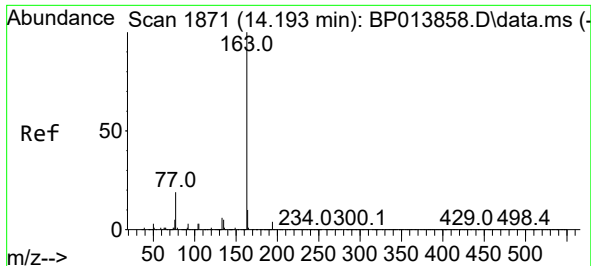
Ion Ratio Lower Upper

65 100

92 70.6 58.6 88.0

138 101.0 81.2 121.8

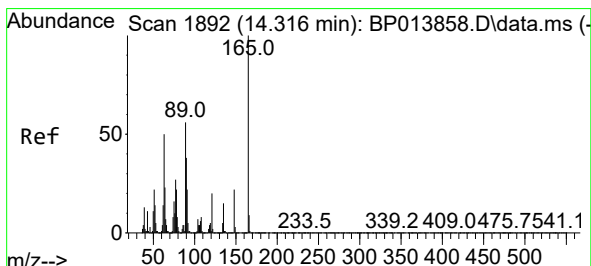
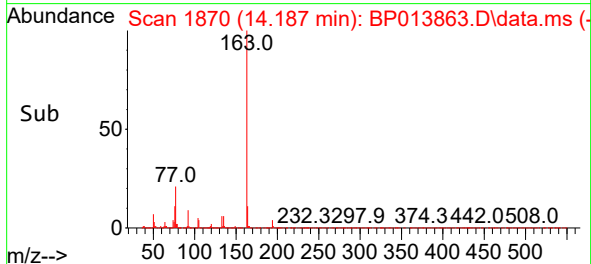
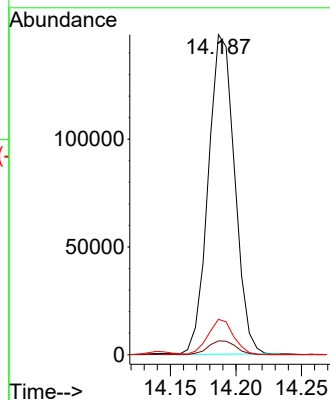
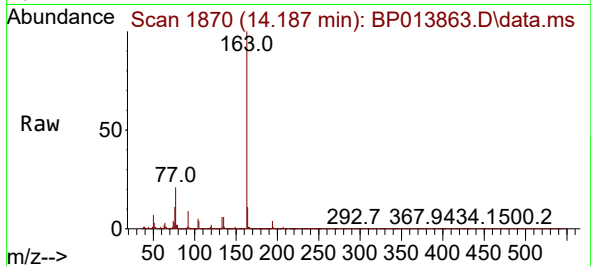




#47
Dimethylphthalate
Concen: 4.279 ng/ul
RT: 14.187 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

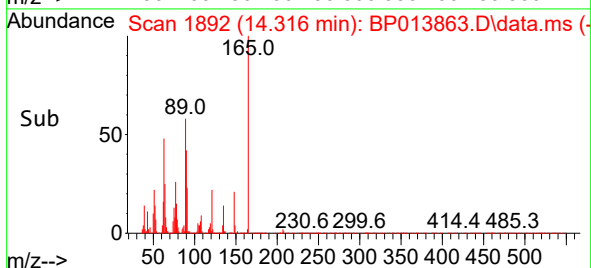
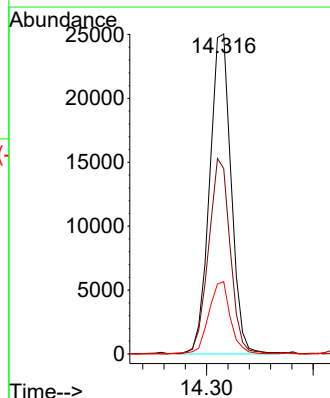
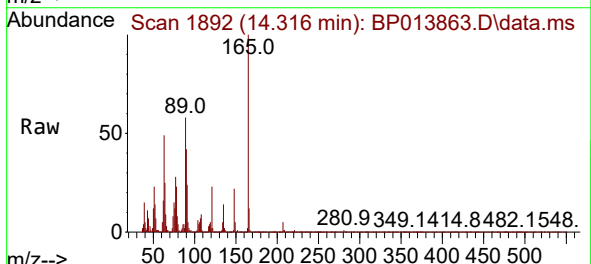
Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

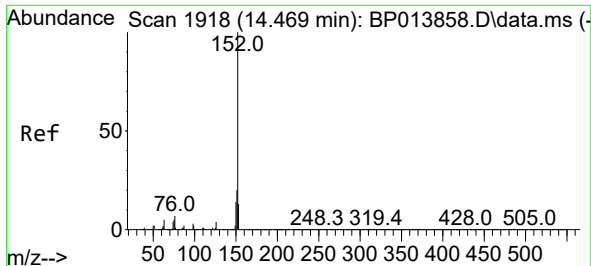
Tgt Ion:163 Resp: 207587
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 11.0 7.8 11.8



#48
2,6-Dinitrotoluene
Concen: 4.156 ng/ul
RT: 14.316 min Scan# 1892
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:165 Resp: 35230
Ion Ratio Lower Upper
165 100
89 58.0 47.5 71.3
121 22.6 16.6 24.8

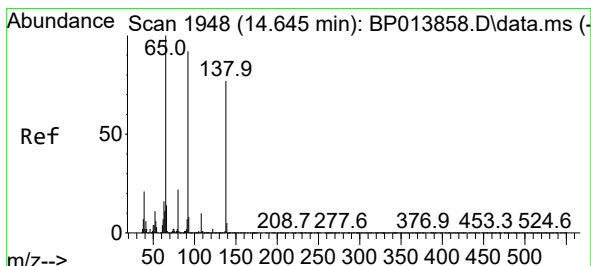
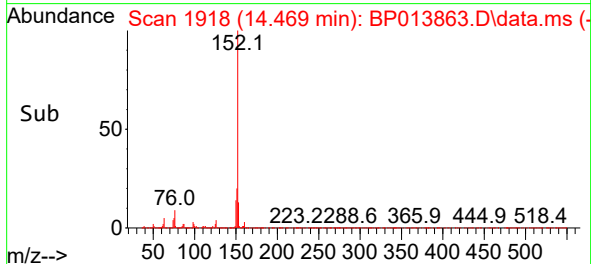
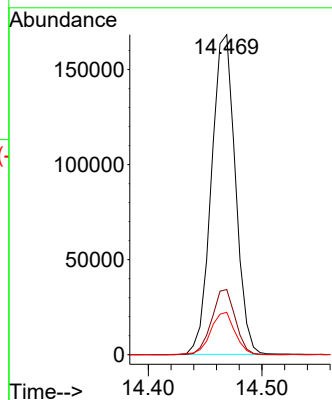
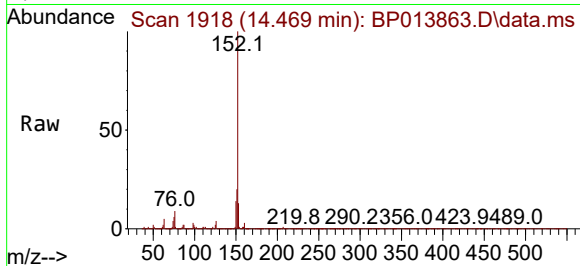




#50
Acenaphthylene
Concen: 4.312 ng/ul
RT: 14.469 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

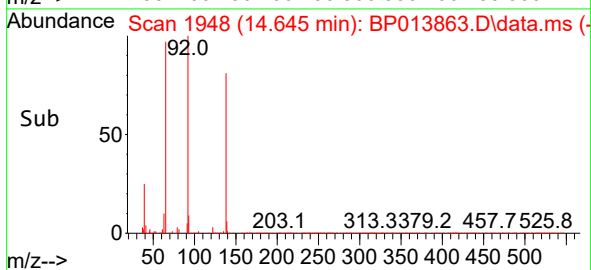
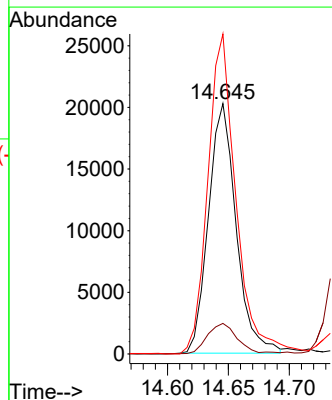
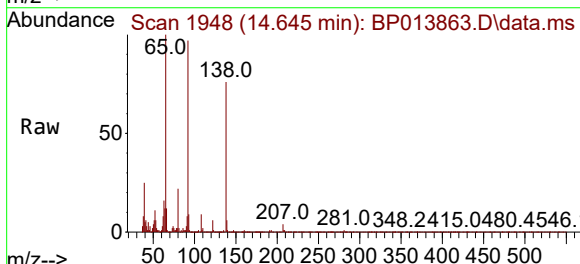
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

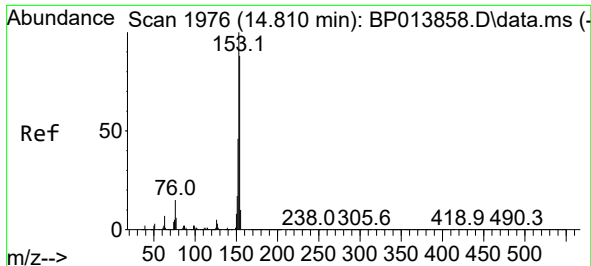
Tgt Ion:152 Resp: 246281
Ion Ratio Lower Upper
152 100
151 20.3 15.8 23.6
153 13.3 10.4 15.6



#51
3-Nitroaniline
Concen: 3.823 ng/ul
RT: 14.645 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:138 Resp: 32034
Ion Ratio Lower Upper
138 100
108 12.2 9.4 14.2
92 127.8 97.4 146.0

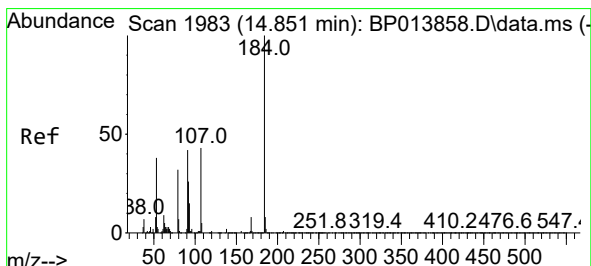
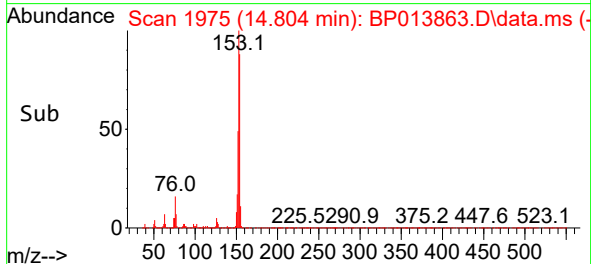
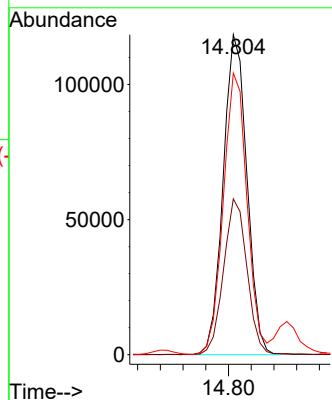
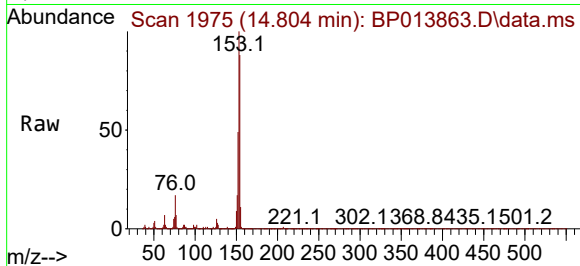




#52
Acenaphthene
Concen: 4.298 ng/ul
RT: 14.804 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

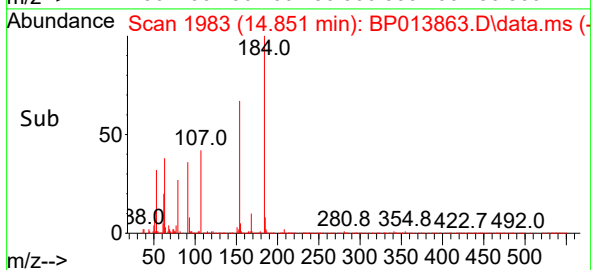
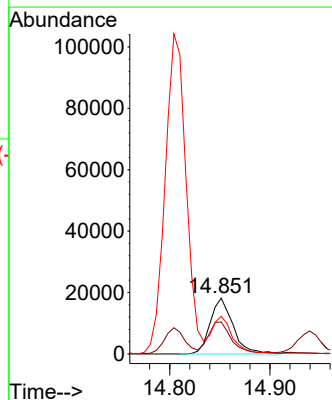
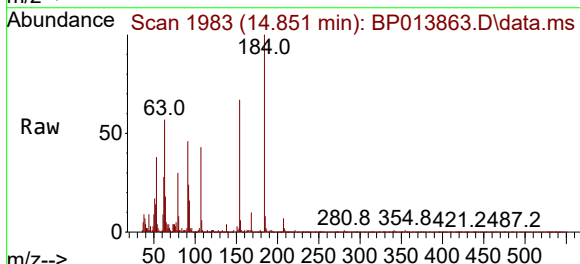
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

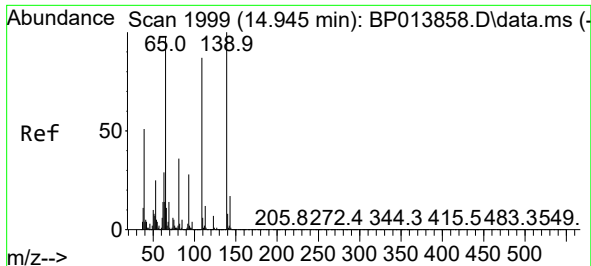
Tgt Ion:153 Resp: 171820
Ion Ratio Lower Upper
153 100
152 48.7 37.4 56.0
154 88.0 70.1 105.1



#53
2,4-Dinitrophenol
Concen: 4.772 ng/ul
RT: 14.851 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:184 Resp: 28842
Ion Ratio Lower Upper
184 100
63 57.2 49.5 74.3
154 67.4 54.3 81.5

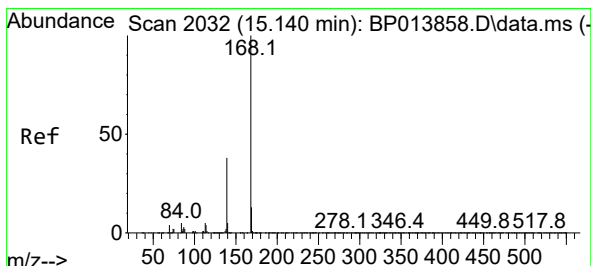
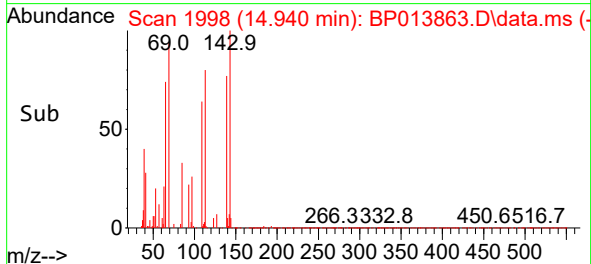
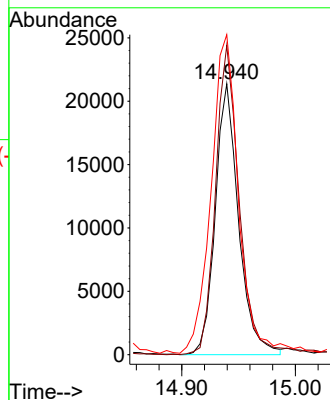
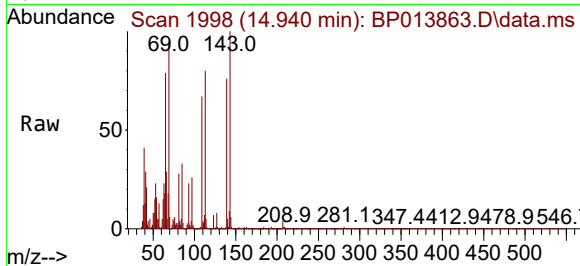




#55
4-Nitrophenol
Concen: 3.985 ng/ul
RT: 14.940 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

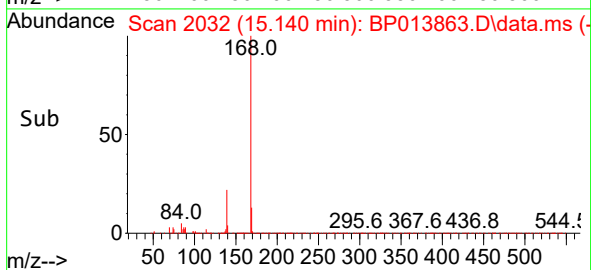
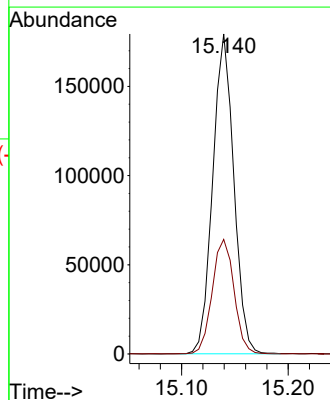
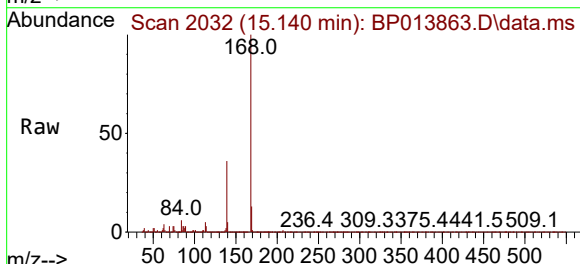
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

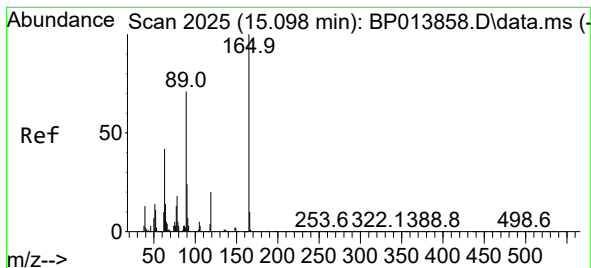
Tgt Ion	Ratio	Lower	Upper
109	100		
139	114.2	96.0	144.0
65	118.2	95.8	143.6



#56
Dibenzofuran
Concen: 4.289 ng/ul
RT: 15.140 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.8	29.6	44.4

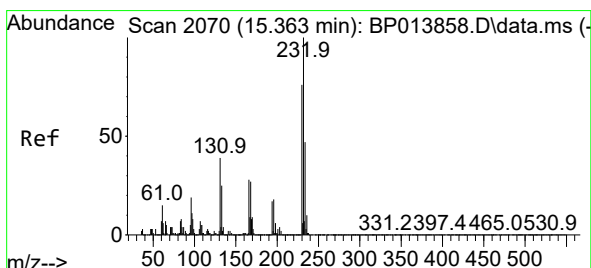
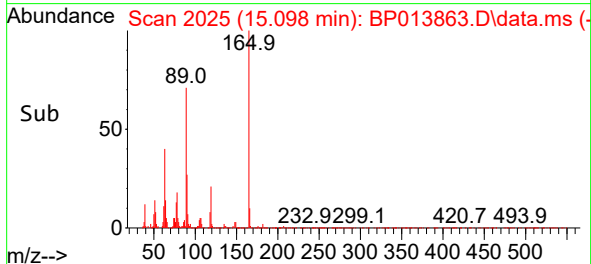
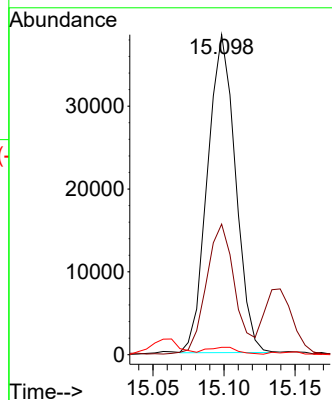
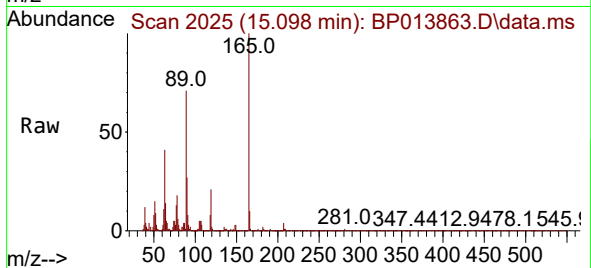




#57
2,4-Dinitrotoluene
Concen: 4.185 ng/ul
RT: 15.098 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

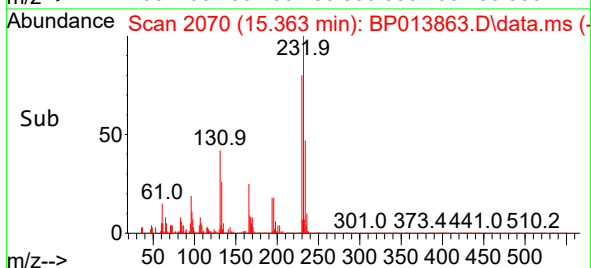
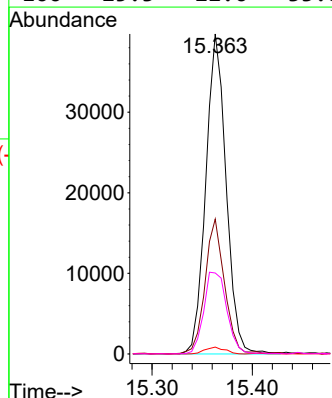
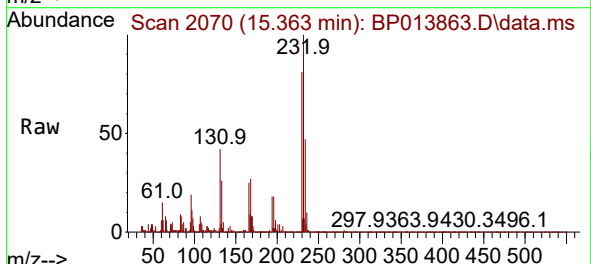
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

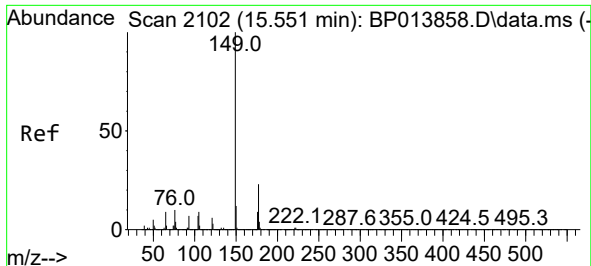
Tgt Ion:165 Resp: 52882
Ion Ratio Lower Upper
165 100
63 40.8 32.0 48.0
182 2.3 2.4 3.6#



#58
2,3,4,6-Tetrachlorophenol
Concen: 4.283 ng/ul
RT: 15.363 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:232 Resp: 56119
Ion Ratio Lower Upper
232 100
131 42.2 33.0 49.6
130 2.1 1.5 2.3
166 25.3 22.6 33.8

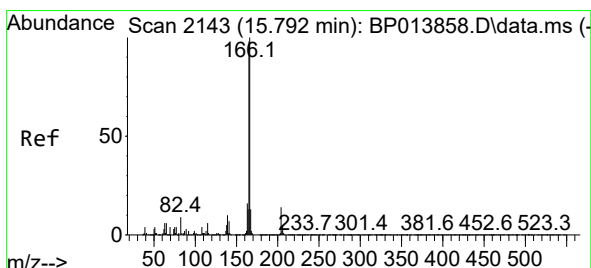
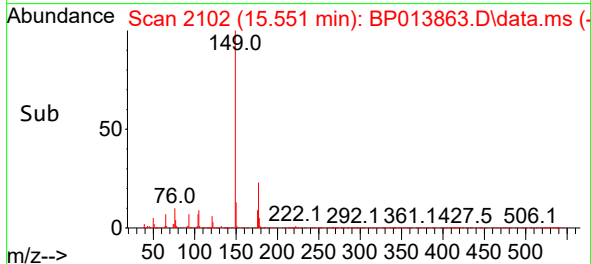
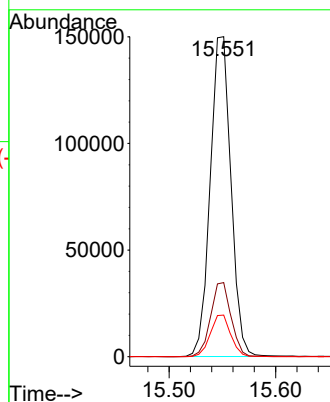
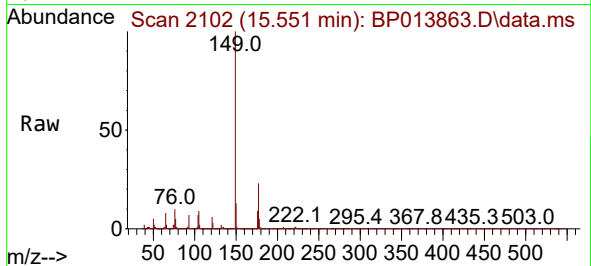




#59
Diethylphthalate
Concen: 4.177 ng/ul
RT: 15.551 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

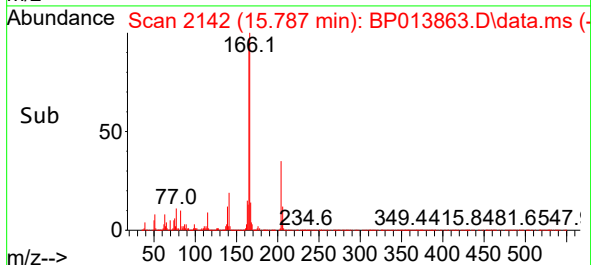
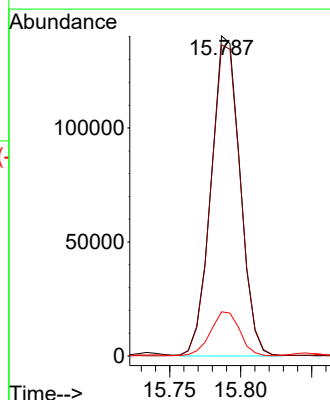
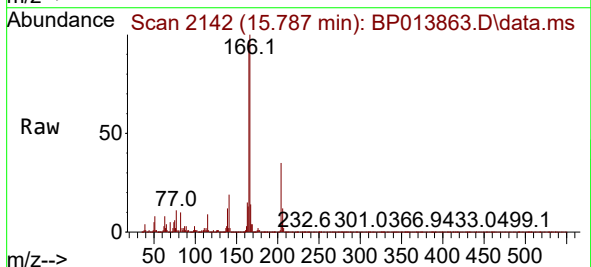
Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

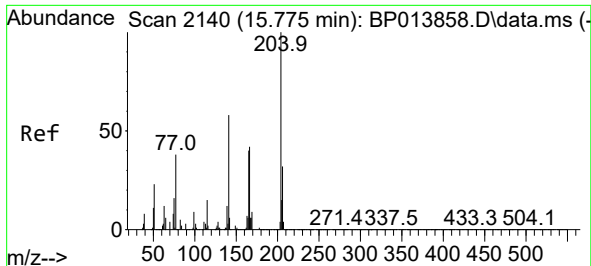
Tgt Ion:149 Resp: 203509
Ion Ratio Lower Upper
149 100
177 23.1 17.8 26.8
150 13.0 10.1 15.1



#61
Fluorene
Concen: 4.255 ng/ul
RT: 15.787 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:166 Resp: 198961
Ion Ratio Lower Upper
166 100
165 97.2 79.1 118.7
167 13.8 10.8 16.2

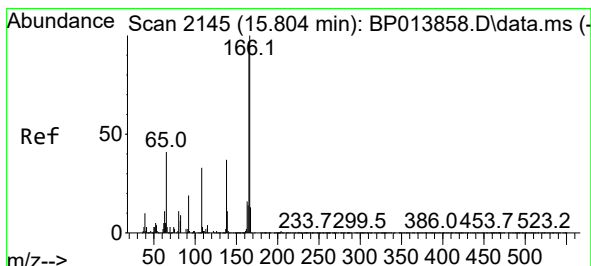
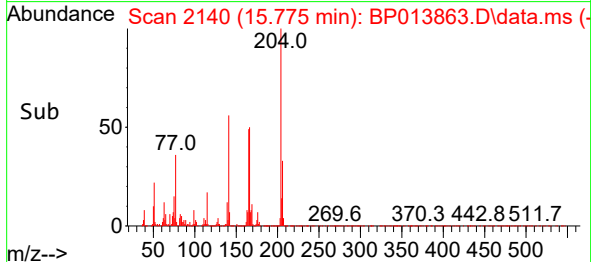
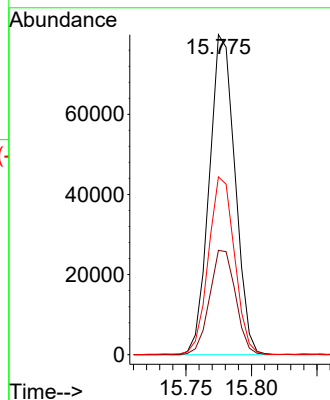
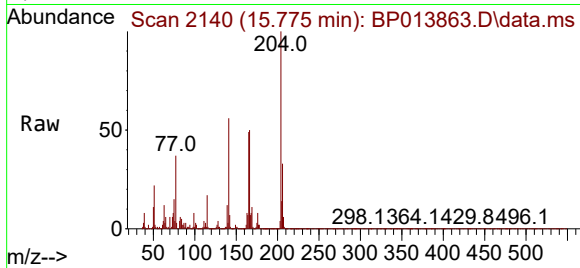




#62
4-Chlorophenyl-phenylether
Concen: 4.497 ng/ul
RT: 15.775 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

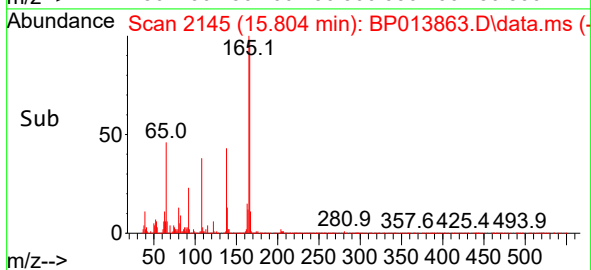
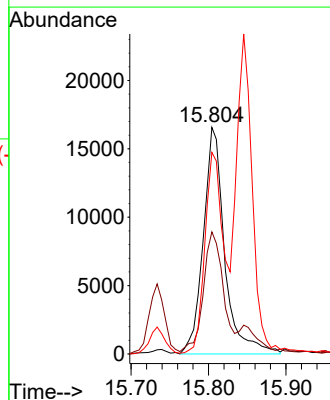
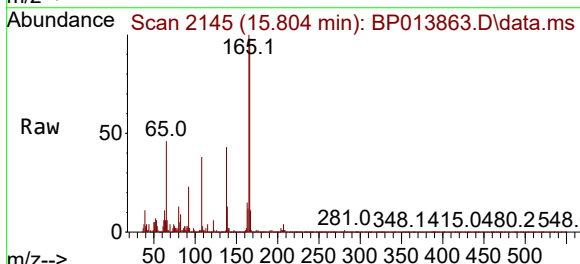
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

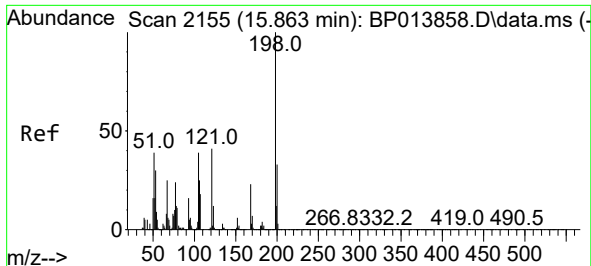
Tgt Ion:204 Resp: 109340
Ion Ratio Lower Upper
204 100
206 32.6 26.7 40.1
141 55.5 44.6 66.8



#63
4-Nitroaniline
Concen: 4.000 ng/ul
RT: 15.804 min Scan# 2145
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:138 Resp: 31741
Ion Ratio Lower Upper
138 100
92 53.9 43.8 65.8
108 89.0 69.8 104.6

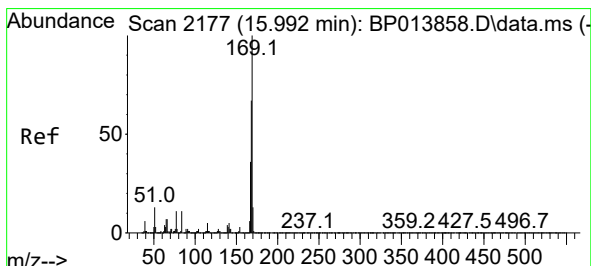
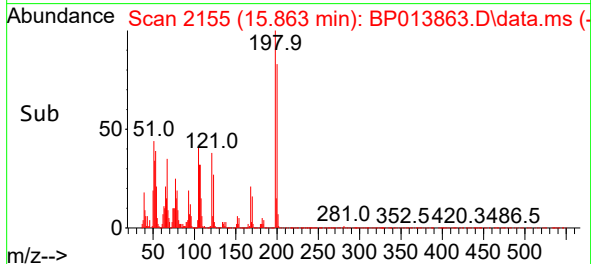
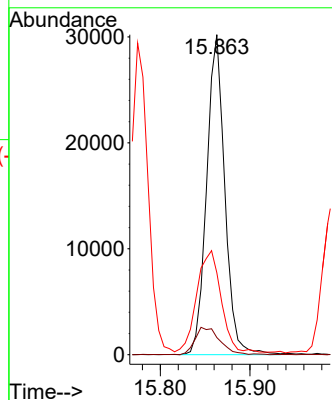
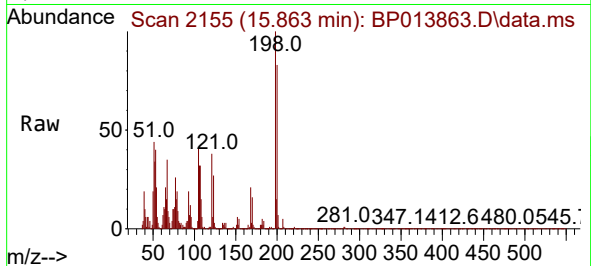




#66
4,6-Dinitro-2-methylphenol
Concen: 4.989 ng/ul
RT: 15.863 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

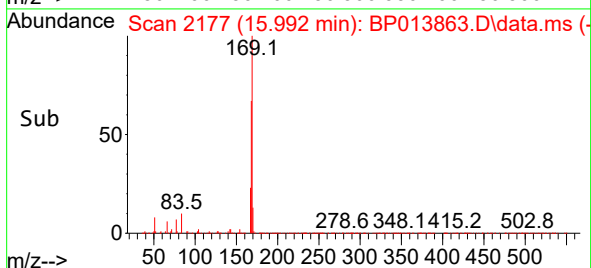
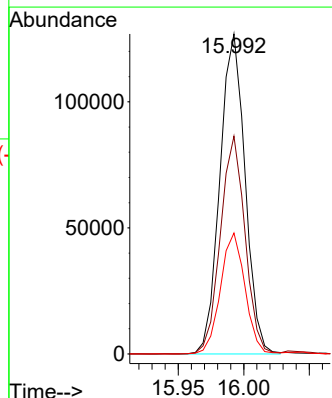
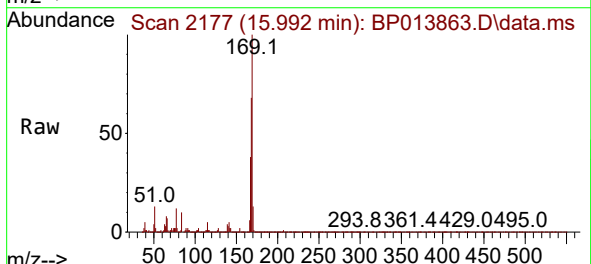
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

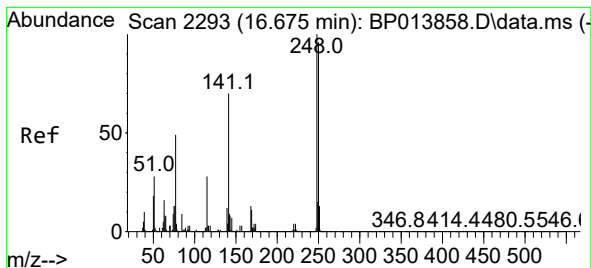
Tgt Ion:198 Resp: 42463
Ion Ratio Lower Upper
198 100
182 5.3 4.1 6.1
77 25.6 20.3 30.5



#67
N-Nitrosodiphenylamine
Concen: 4.397 ng/ul
RT: 15.992 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:169 Resp: 169154
Ion Ratio Lower Upper
169 100
168 68.1 53.5 80.3
167 37.8 29.8 44.6

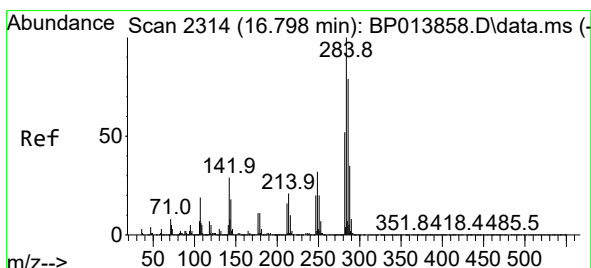
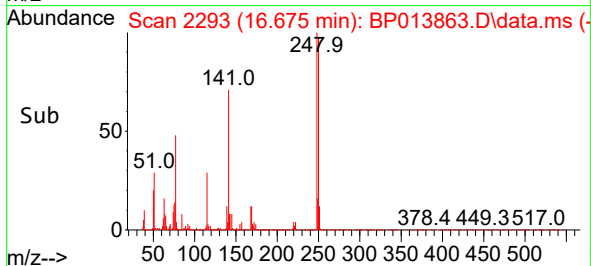
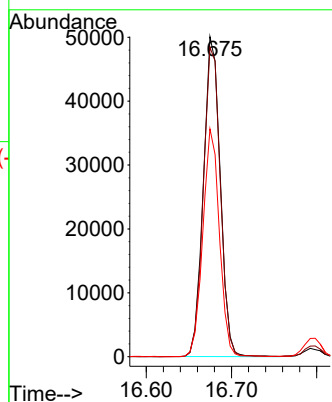
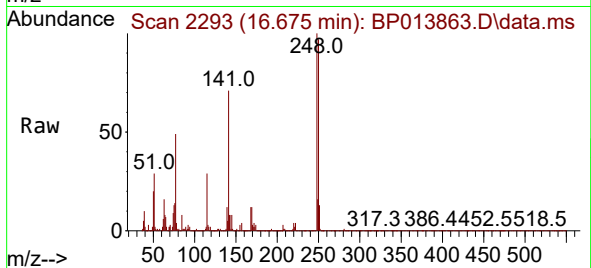




#68
4-Bromophenyl-phenylether
Concen: 4.598 ng/ul
RT: 16.675 min Scan# 211
Delta R.T. -0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

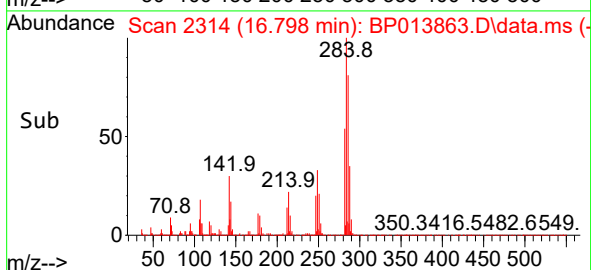
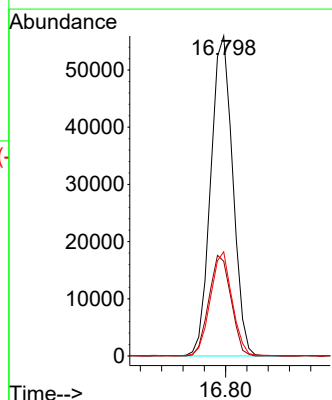
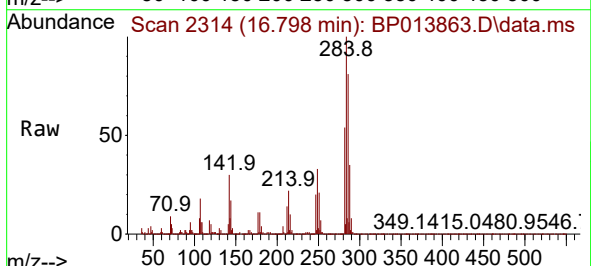
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

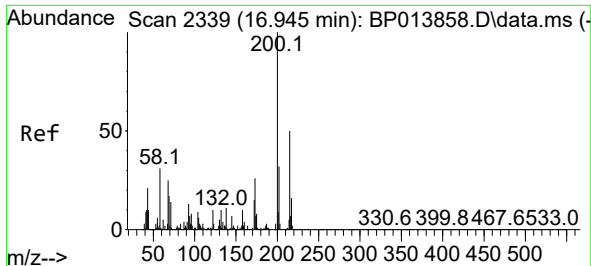
Tgt Ion:248 Resp: 68727
Ion Ratio Lower Upper
248 100
250 96.6 76.0 114.0
141 71.2 56.0 84.0



#69
Hexachlorobenzene
Concen: 4.603 ng/ul
RT: 16.798 min Scan# 2314
Delta R.T. 0.000 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:284 Resp: 80163
Ion Ratio Lower Upper
284 100
142 29.6 25.0 37.4
249 32.6 24.9 37.3





#70

Atrazine

Concen: 4.641 ng/ul

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

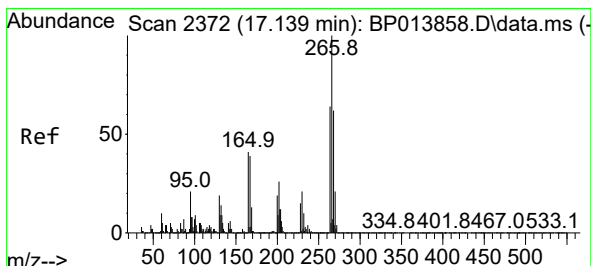
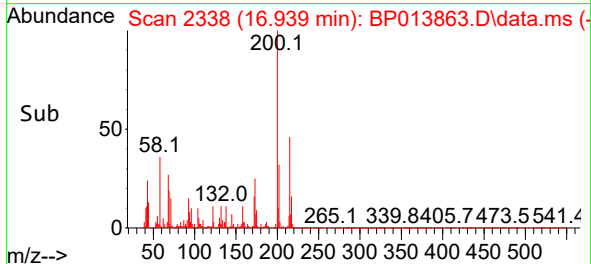
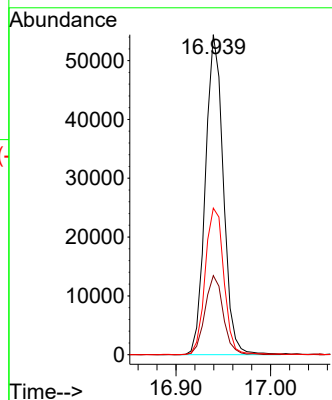
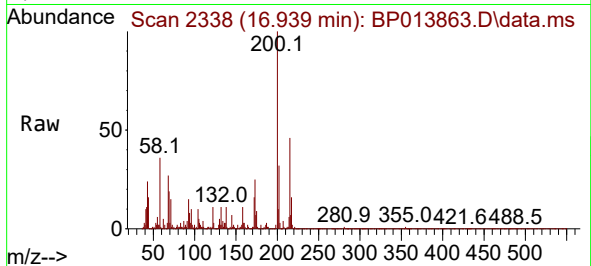
Tgt Ion:200 Resp: 71400

Ion Ratio Lower Upper

200 100

173 24.7 20.4 30.6

215 45.8 39.3 58.9



#71

Pentachlorophenol

Concen: 4.770 ng/ul

RT: 17.139 min Scan# 2372

Delta R.T. -0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

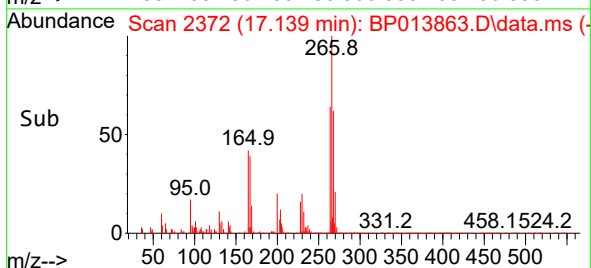
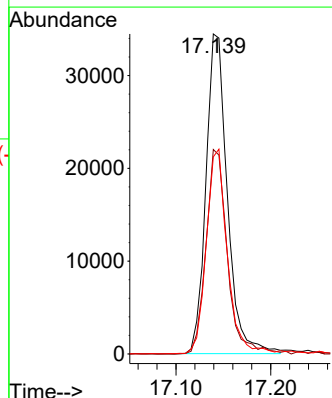
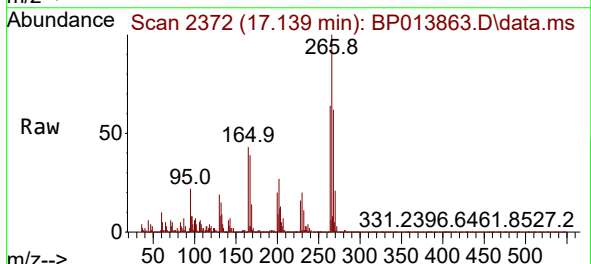
Tgt Ion:266 Resp: 54054

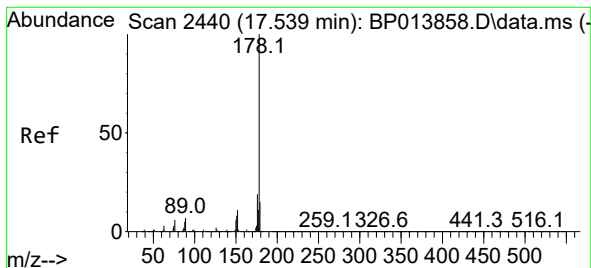
Ion Ratio Lower Upper

266 100

264 63.9 50.5 75.7

268 61.6 51.0 76.6





#72

Phenanthrene

Concen: 4.309 ng/ul

RT: 17.539 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

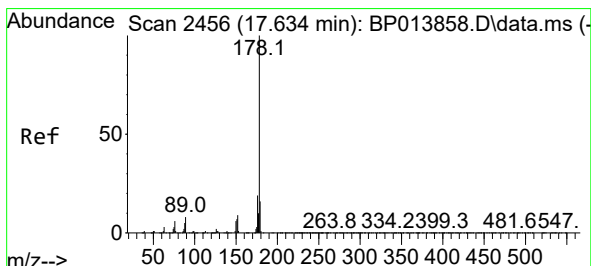
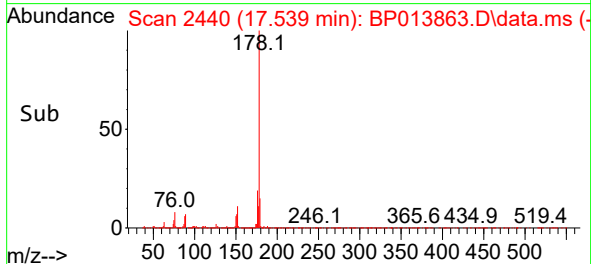
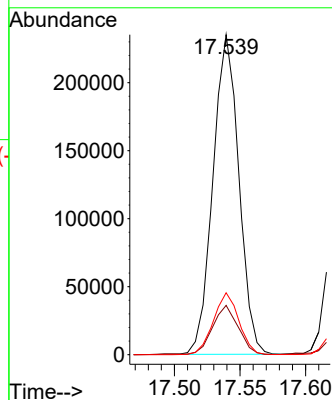
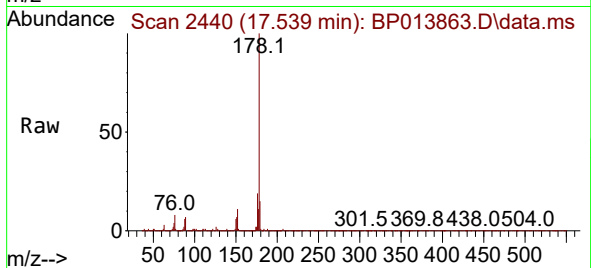
Tgt Ion:178 Resp: 322725

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 19.4 15.2 22.8



#74

Anthracene

Concen: 4.163 ng/ul

RT: 17.634 min Scan# 2456

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

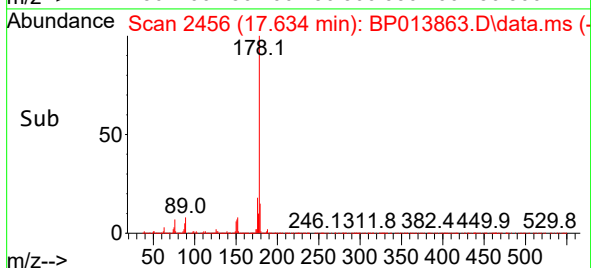
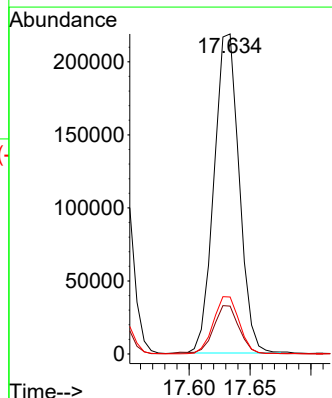
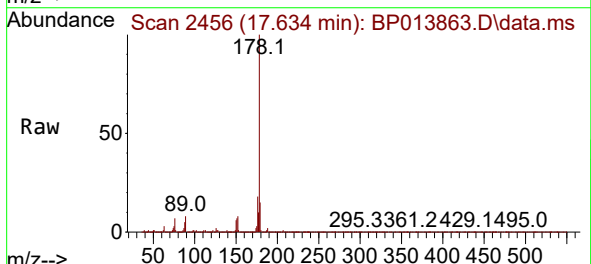
Tgt Ion:178 Resp: 313640

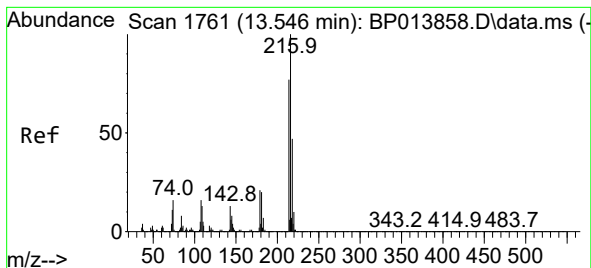
Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

176 17.8 15.0 22.4





#75

1,2,3,4-Tetrachlorobenzene

Concen: 4.422 ng/uL

RT: 13.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

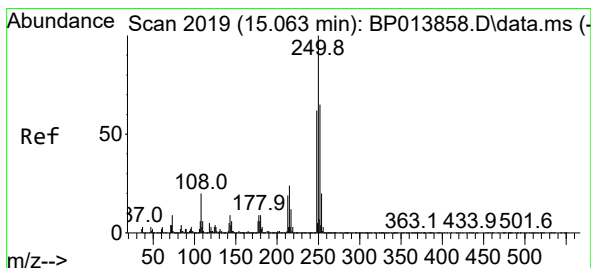
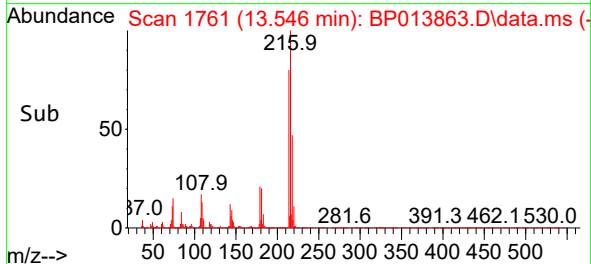
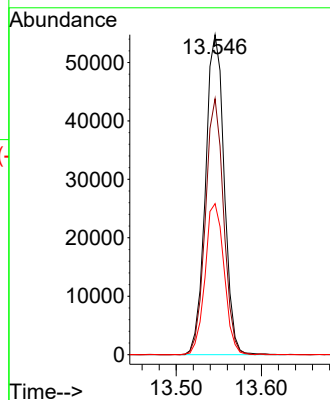
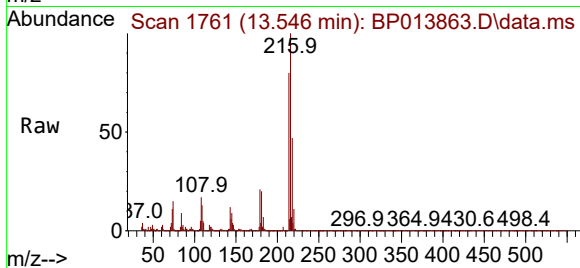
Tgt Ion:216 Resp: 83538

Ion Ratio Lower Upper

216 100

214 80.0 62.6 94.0

218 47.2 39.0 58.4



#76

Pentachlorobenzene

Concen: 4.238 ng/uL

RT: 15.057 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

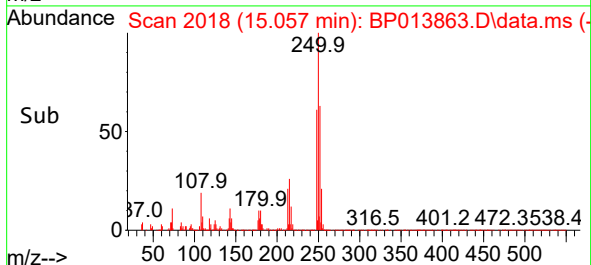
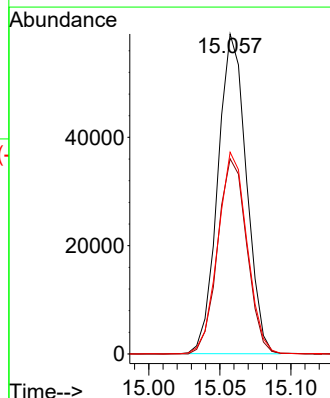
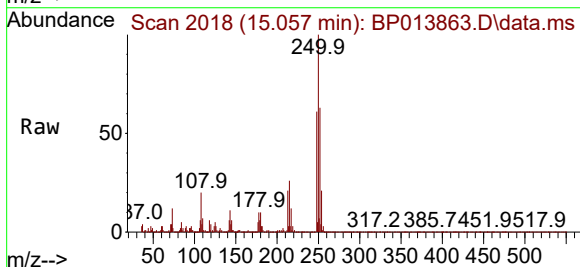
Tgt Ion:250 Resp: 82621

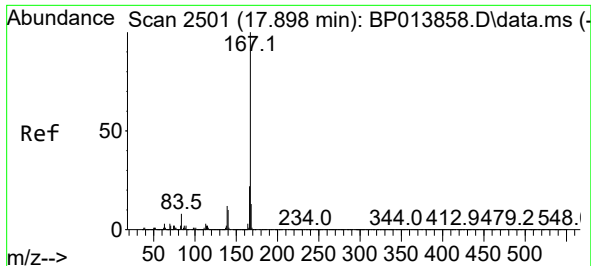
Ion Ratio Lower Upper

250 100

248 61.0 51.1 76.7

252 63.1 51.0 76.6

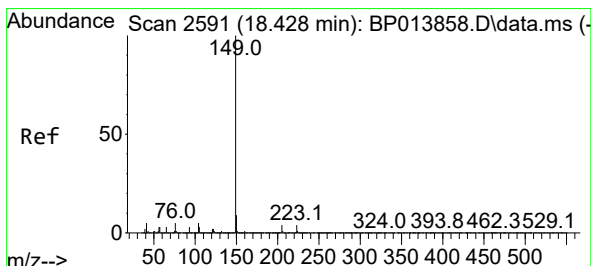
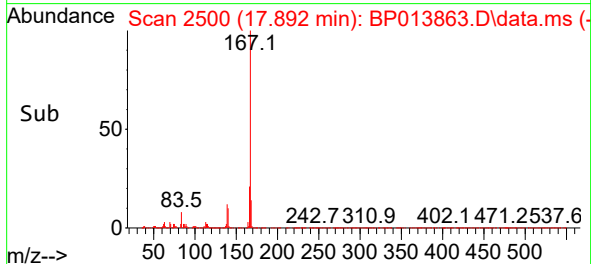
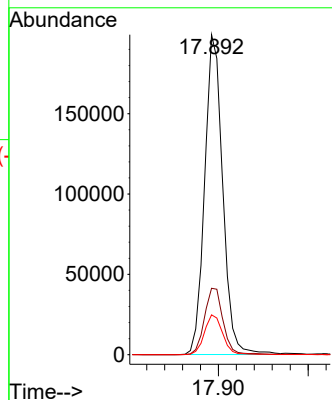
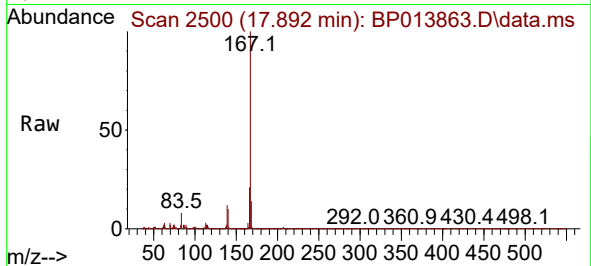




#77
 Carbazole
 Concen: 4.200 ng/ul
 RT: 17.892 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP013863.D
 Acq: 21 Feb 2023 12:37

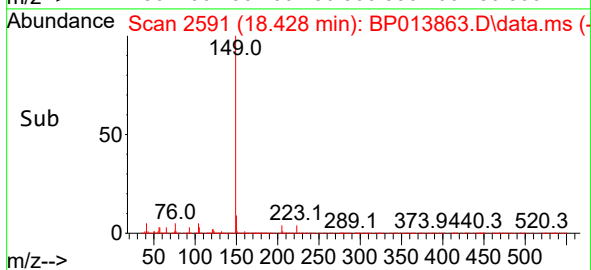
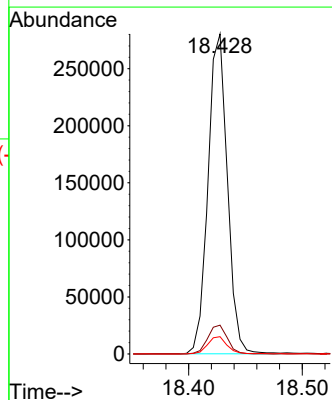
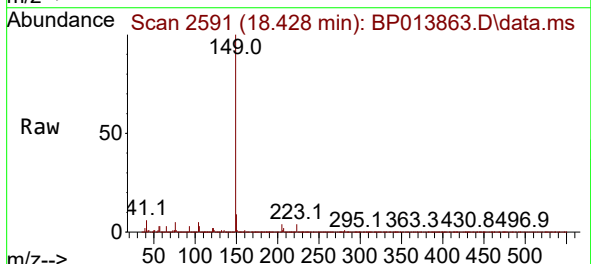
Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

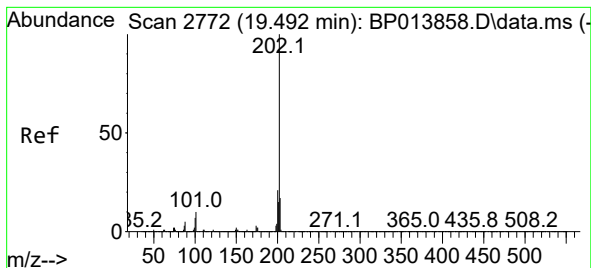
Tgt Ion:167 Resp: 278739
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.3 25.9
 139 12.5 10.4 15.6



#78
 Di-n-butylphthalate
 Concen: 4.122 ng/ul
 RT: 18.428 min Scan# 2591
 Delta R.T. -0.000 min
 Lab File: BP013863.D
 Acq: 21 Feb 2023 12:37

Tgt Ion:149 Resp: 331822
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.1 10.7
 104 5.4 4.1 6.1





#80

Fluoranthene

Concen: 4.548 ng/ul

RT: 19.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

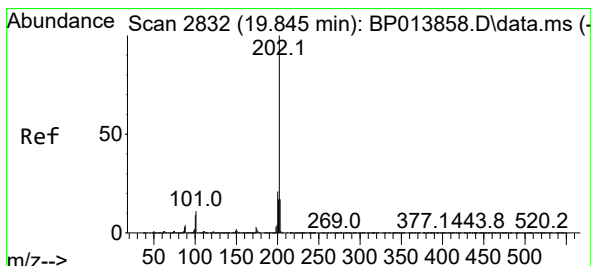
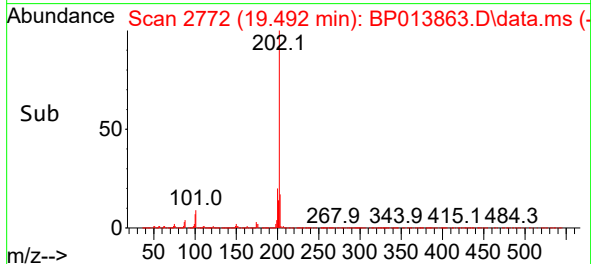
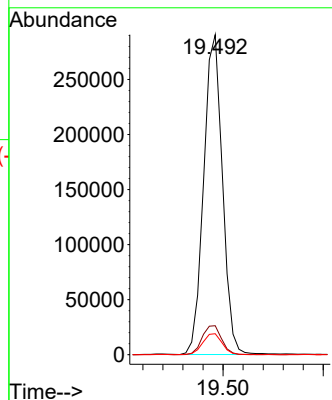
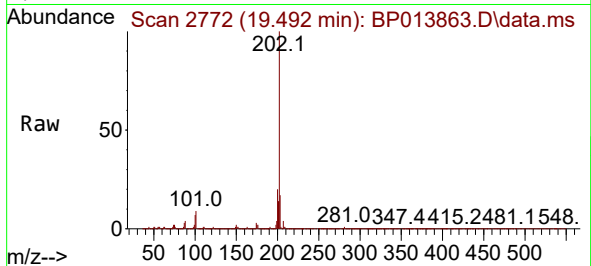
Tgt Ion:202 Resp: 378105

Ion Ratio Lower Upper

202 100

101 9.0 8.6 12.8

100 6.5 6.3 9.5



#82

Pyrene

Concen: 4.454 ng/ul

RT: 19.845 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

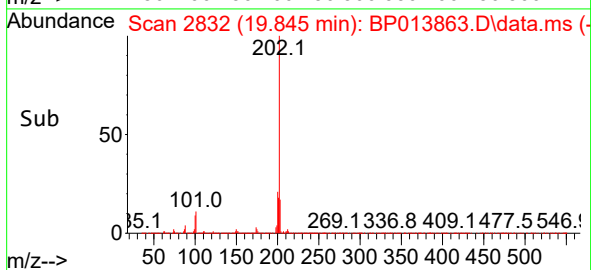
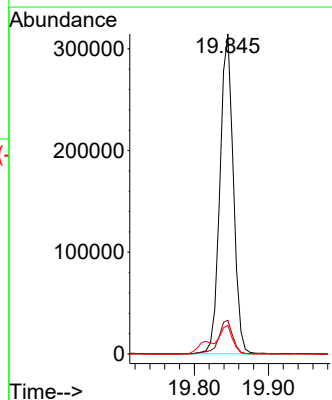
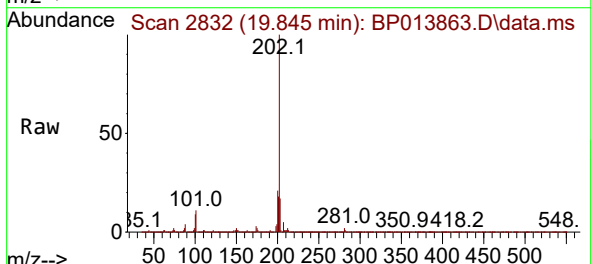
Tgt Ion:202 Resp: 394746

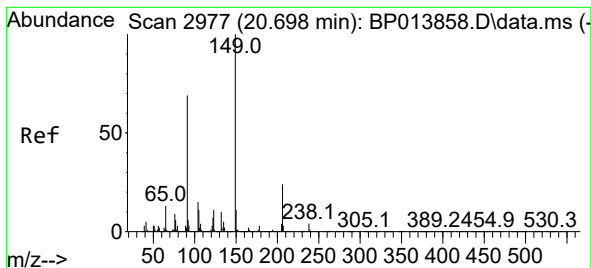
Ion Ratio Lower Upper

202 100

101 10.5 10.3 15.5

100 9.0 8.5 12.7





#83

Butylbenzylphthalate

Concen: 4.454 ng/ul

RT: 20.698 min Scan# 2977

Delta R.T. -0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

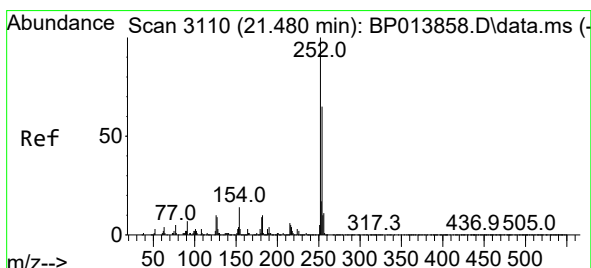
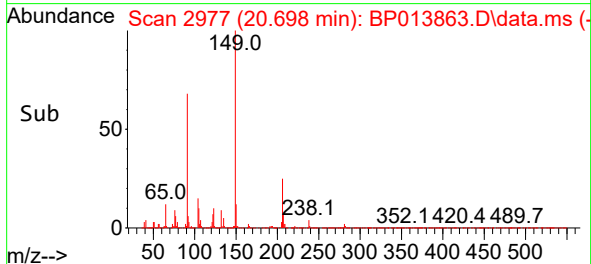
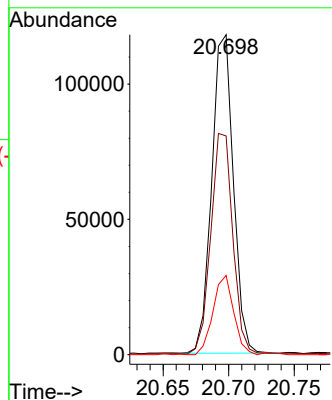
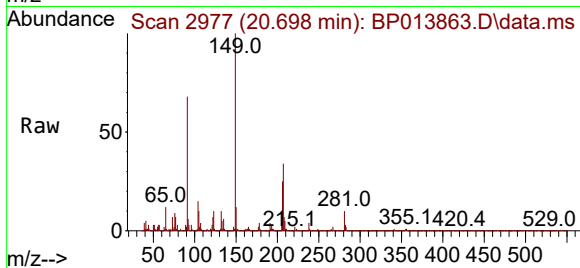
Tgt Ion:149 Resp: 135089

Ion Ratio Lower Upper

149 100

91 68.3 57.7 86.5

206 24.8 16.7 25.1



#84

3,3'-Dichlorobenzidine

Concen: 3.917 ng/ul

RT: 21.480 min Scan# 3110

Delta R.T. -0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

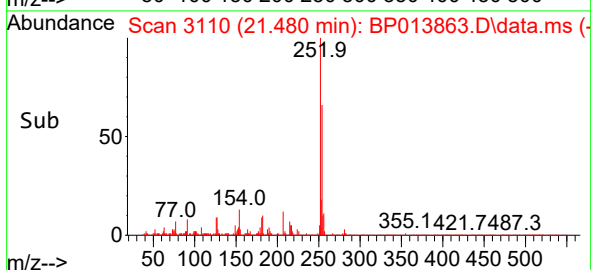
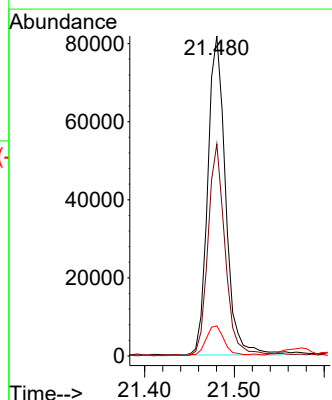
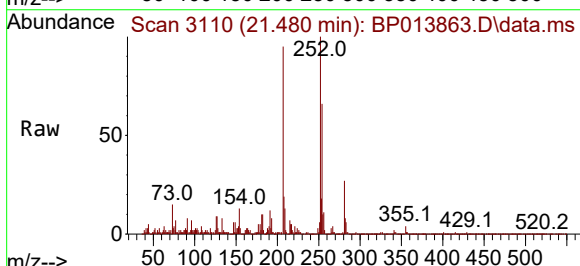
Tgt Ion:252 Resp: 112891

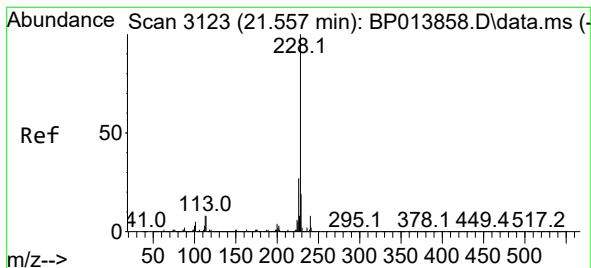
Ion Ratio Lower Upper

252 100

254 66.3 51.8 77.6

126 9.4 7.9 11.9





#85

Benzo(a)anthracene

Concen: 4.230 ng/ul

RT: 21.557 min Scan# 3123

Delta R.T. -0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

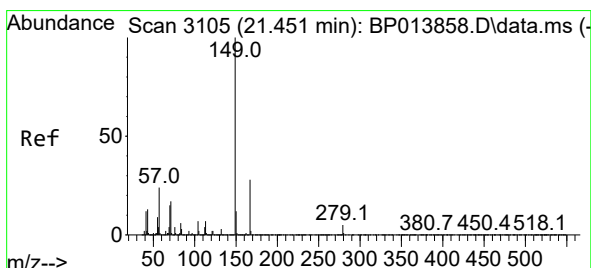
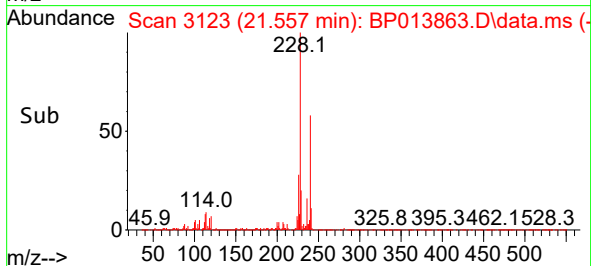
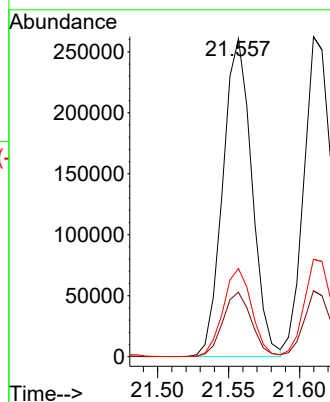
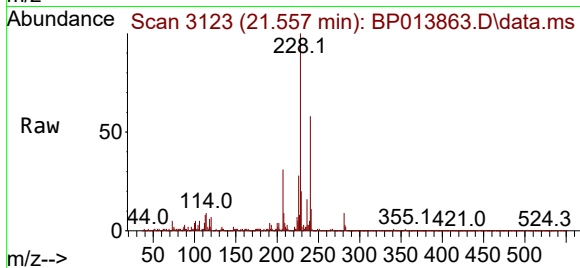
Tgt Ion:228 Resp: 370078

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.2

226 27.7 21.8 32.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.500 ng/ul

RT: 21.451 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

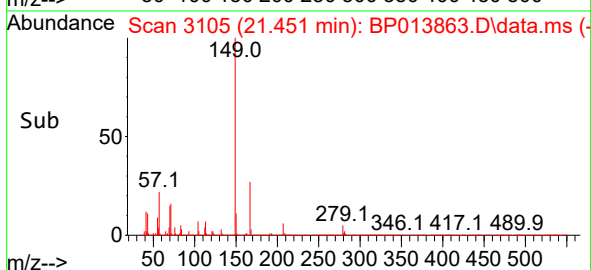
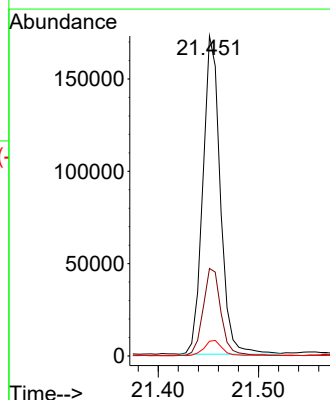
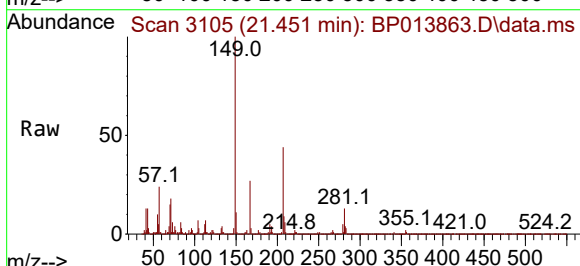
Tgt Ion:149 Resp: 209018

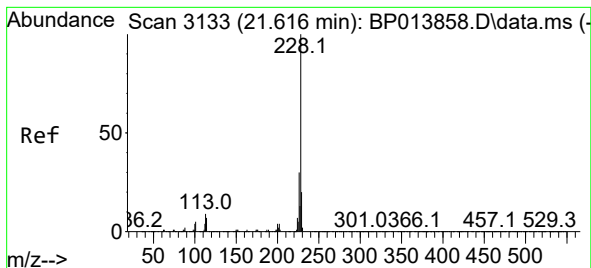
Ion Ratio Lower Upper

149 100

167 27.4 21.5 32.3

279 4.6 3.2 4.8





#87

Chrysene

Concen: 4.295 ng/ul

RT: 21.610 min Scan# 3133

Delta R.T. -0.006 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

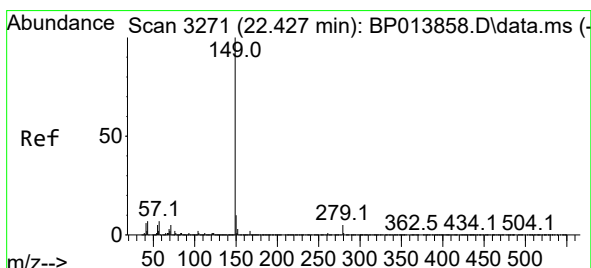
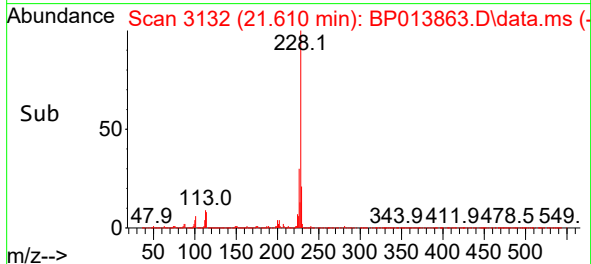
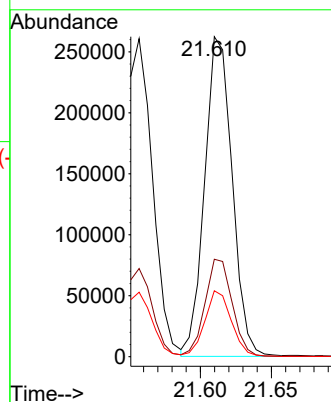
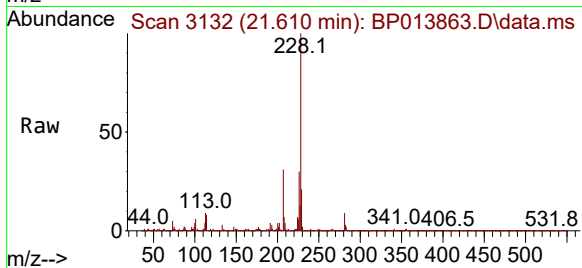
Tgt Ion:228 Resp: 354533

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 20.6 16.4 24.6



#89

Di-n-octyl phthalate

Concen: 3.790 ng/ul

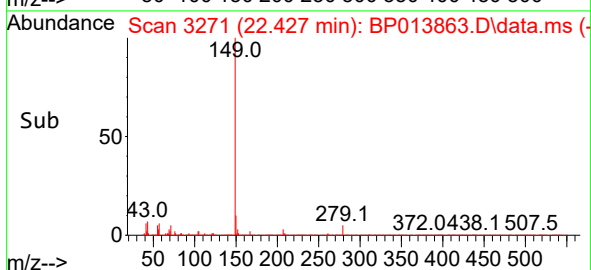
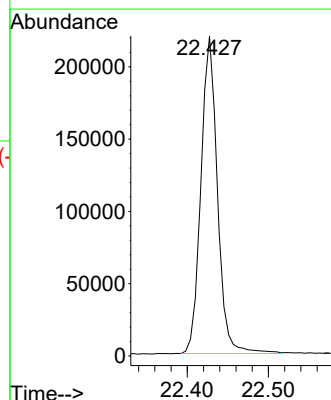
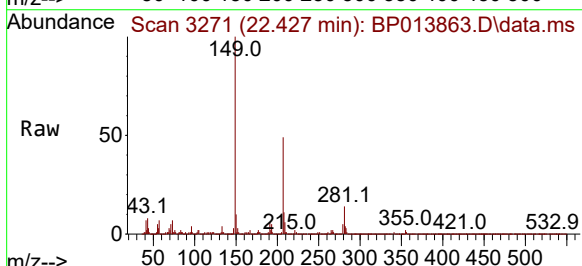
RT: 22.427 min Scan# 3271

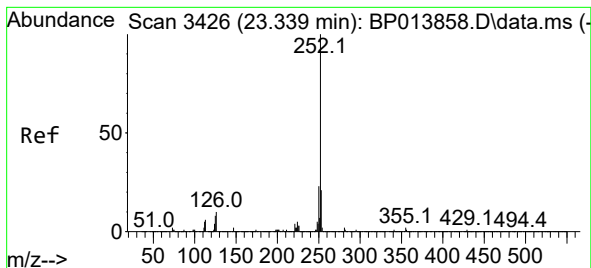
Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Tgt Ion:149 Resp: 311044





#90

Benzo(b)fluoranthene

Concen: 4.267 ng/ul

RT: 23.339 min Scan# 3426

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

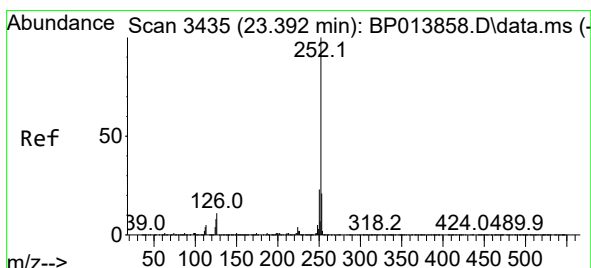
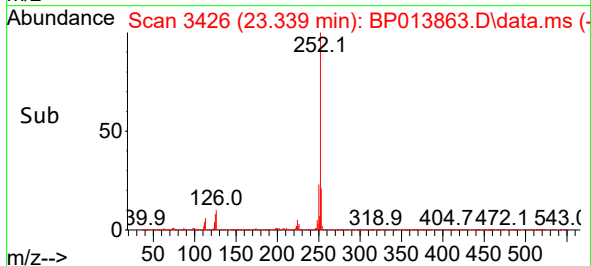
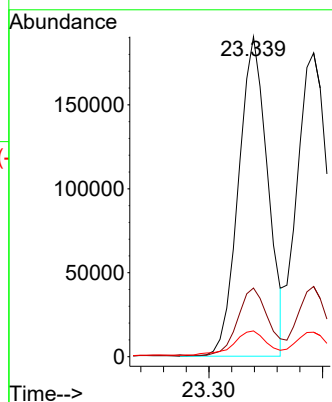
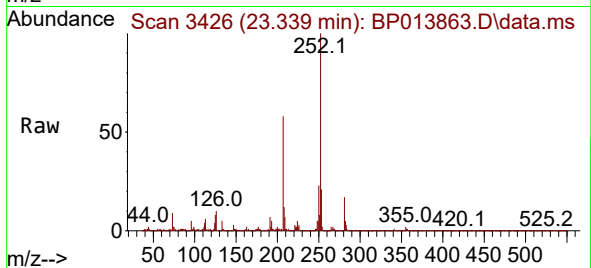
Tgt Ion:252 Resp: 339327

Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 8.0 7.8 11.6



#91

Benzo(k)fluoranthene

Concen: 4.328 ng/ul

RT: 23.392 min Scan# 3435

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

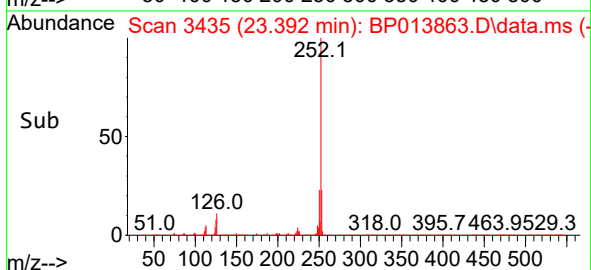
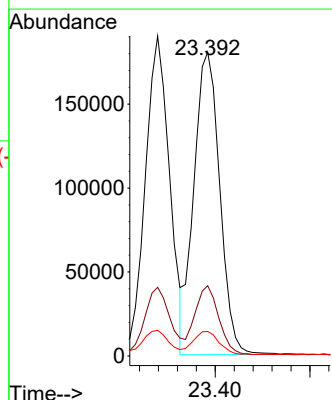
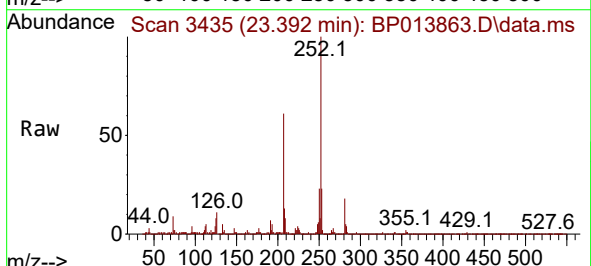
Tgt Ion:252 Resp: 341416

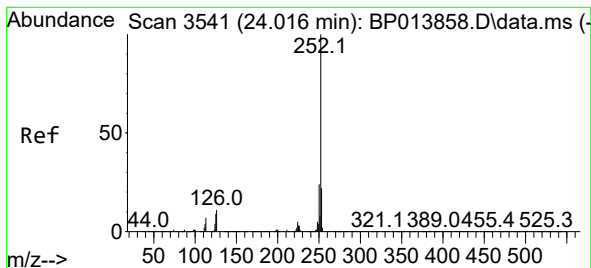
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 8.1 7.2 10.8





#93

Benzo(a)pyrene

Concen: 4.291 ng/ul

RT: 24.016 min Scan# 3541

Delta R.T. 0.000 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

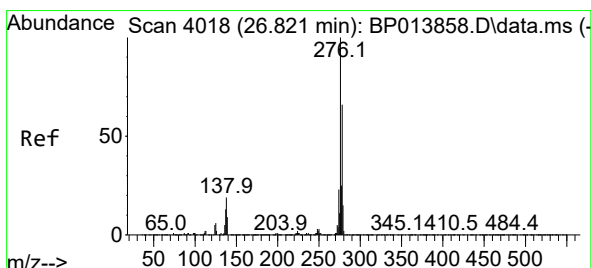
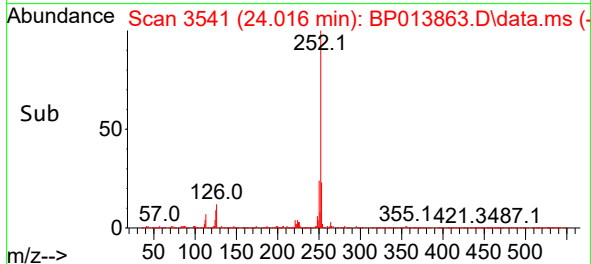
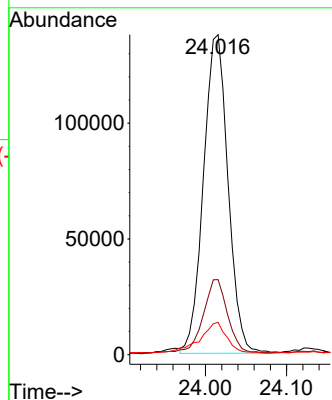
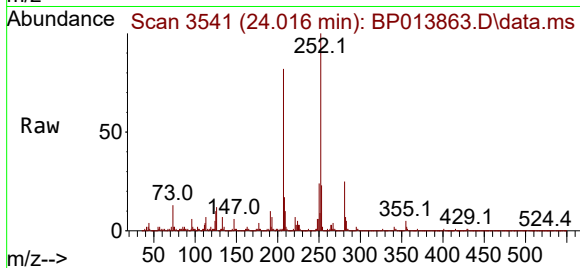
Tgt Ion:252 Resp: 289219

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 10.1 8.2 12.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.620 ng/ul

RT: 26.815 min Scan# 4017

Delta R.T. -0.006 min

Lab File: BP013863.D

Acq: 21 Feb 2023 12:37

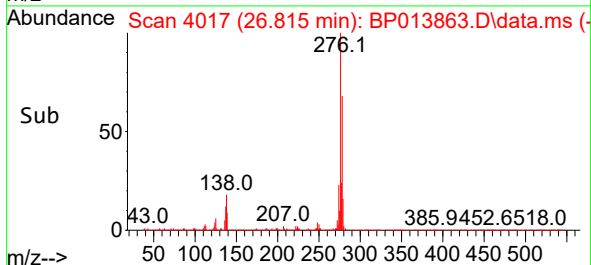
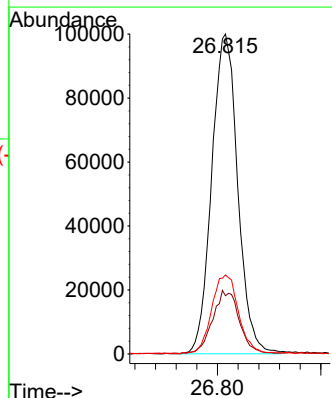
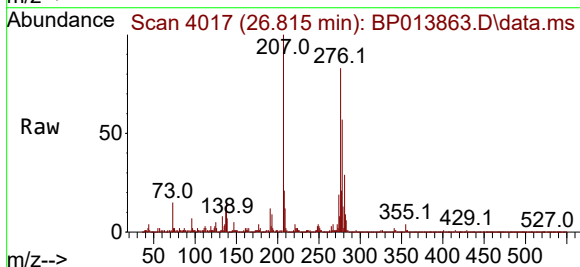
Tgt Ion:276 Resp: 349262

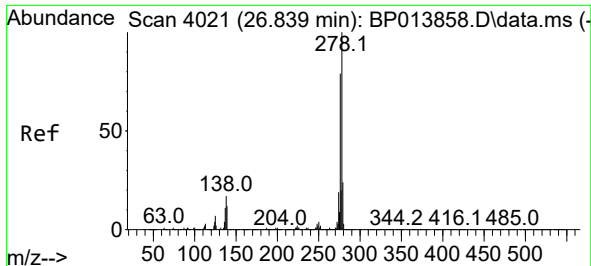
Ion Ratio Lower Upper

276 100

138 18.2 18.4 27.6#

277 24.7 19.7 29.5

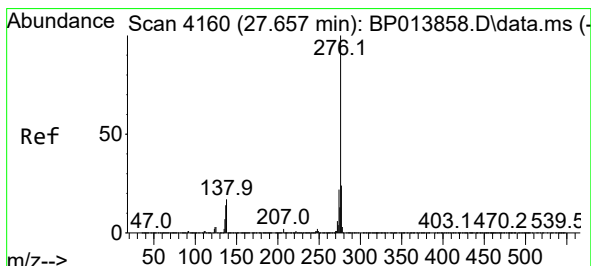
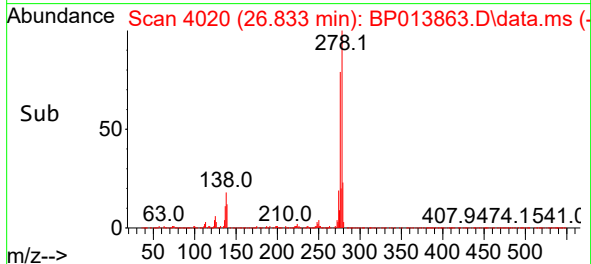
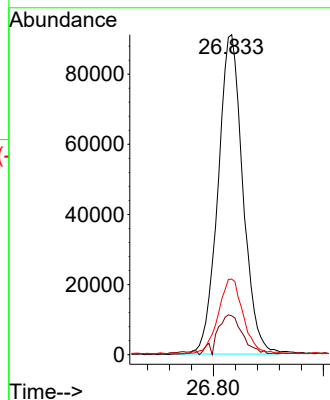
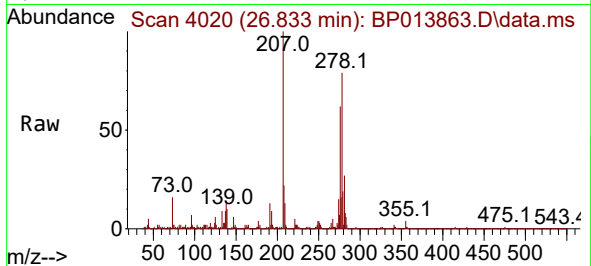




#95
Dibenzo(a,h)anthracene
Concen: 4.531 ng/ul
RT: 26.833 min Scan# 4021
Delta R.T. -0.006 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

Tgt Ion:278 Resp: 286108
Ion Ratio Lower Upper
278 100
139 12.2 12.0 18.0
279 23.6 18.9 28.3



#96
Benzo(g,h,i)perylene
Concen: 4.583 ng/ul
RT: 27.645 min Scan# 4158
Delta R.T. -0.012 min
Lab File: BP013863.D
Acq: 21 Feb 2023 12:37

Tgt Ion:276 Resp: 275861
Ion Ratio Lower Upper
276 100
138 17.0 15.9 23.9
277 23.8 19.0 28.6

