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 Data File : BP013872.D
 Acq On : 22 Feb 2023 11:51
 Operator : CG/JU
 Sample : 01378-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

Quant Time: Feb 23 03:16:16 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	8.104	152	212509	20.000	ng/ul	0.00
20) Naphthalene-d8	10.928	136	896769	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.739	164	609022	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.492	188	1376249	20.000	ng/ul	0.00
79) Chrysene-d12	21.568	240	1185024	20.000	ng/ul	0.00
88) Perylene-d12	24.121	264	1121102	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	19538	3.811	ng/uL	0.00
4) Pyridine-d5	3.887	84	176622	11.620	ng/ul	0.00
7) Phenol-d5	7.251	99	327243	17.283	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	192796	17.376	ng/ul	0.00
11) 2-Chlorophenol-d4	7.628	132	258290	18.531	ng/ul	0.00
15) 4-Methylphenol-d8	8.810	113	261191	16.877	ng/ul	0.00
21) Nitrobenzene-d5	9.275	128	127441	20.425	ng/ul	0.00
24) 2-Nitrophenol-d4	10.004	143	146995	20.404	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.545	165	275201	18.745	ng/ul	0.00
31) 4-Chloroaniline-d4	11.063	131	351001	16.867	ng/ul	0.00
46) Dimethylphthalate-d6	14.145	166	864927	18.031	ng/ul	0.00
49) Acenaphthylene-d8	14.433	160	948717	18.271	ng/ul	0.00
54) 4-Nitrophenol-d4	14.922	143	132696	15.528	ng/ul	0.00
60) Fluorene-d10	15.733	176	748980	18.331	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.845	200	148038	17.533	ng/ul	0.00
73) Anthracene-d10	17.592	188	1110942	17.654	ng/ul	0.00
81) Pyrene-d10	19.810	212	1338844	19.923	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.951	264	1061712	18.900	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.493	88	7543	1.370	ng/uL#	89
5) Pyridine	3.910	79	69258	4.610	ng/ul	88
6) Benzaldehyde	7.234	77	40356	4.726	ng/ul	95
8) Phenol	7.275	94	75040	3.861	ng/ul#	91
10) Bis(2-Chloroethyl)ether	7.516	93	62938	4.041	ng/ul	96
12) 2-Chlorophenol	7.663	128	60330	4.219	ng/ul	98
13) 2-Methylphenol	8.545	108	55834	3.764	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.628	45	67471	3.809	ng/ul#	96
16) Acetophenone	8.934	105	101956	4.108	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.916	70	48932	3.970	ng/ul#	97
18) 4-Methylphenol	8.875	108	64002	3.908	ng/ul	97
19) Hexachloroethane	9.198	117	25658	4.381	ng/ul	85
22) Nitrobenzene	9.316	77	73984	4.507	ng/ul	99
23) Isophorone	9.845	82	136349	3.937	ng/ul	99
25) 2-Nitrophenol	10.034	139	35673	4.569	ng/ul	97
26) 2,4-Dimethylphenol	10.087	107	64837	3.729	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.328	93	85279	4.077	ng/ul	98
29) 2,4-Dichlorophenol	10.569	162	62794	4.345	ng/ul	91
30) Naphthalene	10.981	128	204878	4.292	ng/ul	99
32) 4-Chloroaniline	11.086	127	82271	3.922	ng/ul	97
33) Hexachlorobutadiene	11.263	225	50348	4.945	ng/ul	98
34) Caprolactam	11.881	113	19668	3.878	ng/ul	98
35) 4-Chloro-3-methylphenol	12.198	107	65589	3.931	ng/ul	100
36) 2-Methylnaphthalene	12.575	142	137197	4.088	ng/ul	99

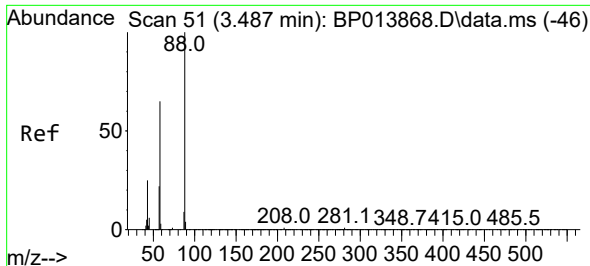
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.798	142	128545	3.707	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.939	216	89949	4.687	ng/ul	98
40) Hexachlorocyclopentadiene	12.922	237	50238	4.077	ng/ul	96
41) 2,4,6-Trichlorophenol	13.180	196	53835	4.275	ng/ul	98
42) 2,4,5-Trichlorophenol	13.251	196	54391	3.990	ng/ul	97
43) 1,1'-Biphenyl	13.575	154	195054	4.268	ng/ul	99
44) 2-Chloronaphthalene	13.622	162	156134	4.343	ng/ul	98
45) 2-Nitroaniline	13.822	65	33369	3.854	ng/ul	93
47) Dimethylphthalate	14.186	163	200657	4.218	ng/ul	100
48) 2,6-Dinitrotoluene	14.310	165	34352	4.133	ng/ul	96
50) Acenaphthylene	14.463	152	238250	4.253	ng/ul	99
51) 3-Nitroaniline	14.645	138	30704	3.736	ng/ul	91
52) Acenaphthene	14.804	153	166420	4.245	ng/ul	97
53) 2,4-Dinitrophenol	14.851	184	27025	4.559	ng/ul	91
55) 4-Nitrophenol	14.939	109	29204	3.895	ng/ul	95
56) Dibenzofuran	15.139	168	243281	4.328	ng/ul	99
57) 2,4-Dinitrotoluene	15.098	165	50441	4.070	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.363	232	55900	4.351	ng/ul#	96
59) Diethylphthalate	15.545	149	196142	4.106	ng/ul	99
61) Fluorene	15.786	166	200066	4.363	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.774	204	107685	4.516	ng/ul	97
63) 4-Nitroaniline	15.804	138	29838	3.834	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.857	198	40989	4.952	ng/ul#	91
67) N-Nitrosodiphenylamine	15.986	169	164546	4.399	ng/ul	99
68) 4-Bromophenyl-phenylether	16.674	248	67204	4.624	ng/ul	98
69) Hexachlorobenzene	16.792	284	79415	4.689	ng/ul	99
70) Atrazine	16.939	200	66121	4.420	ng/ul	99
71) Pentachlorophenol	17.139	266	49819	4.521	ng/ul	99
72) Phenanthrene	17.539	178	309323	4.247	ng/ul	99
74) Anthracene	17.627	178	304404	4.155	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.545	216	82359	4.483	ng/ul	98
76) Pentachlorobenzene	15.057	250	81870	4.318	ng/ul	98
77) Carbazole	17.892	167	263620	4.084	ng/ul	99
78) Di-n-butylphthalate	18.421	149	305637	3.904	ng/ul	100
80) Fluoranthene	19.486	202	358963	4.666	ng/ul	97
82) Pyrene	19.839	202	379123	4.622	ng/ul	96
83) Butylbenzylphthalate	20.692	149	118484	4.221	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.474	252	92670	3.475	ng/ul	99
85) Benzo(a)anthracene	21.551	228	340192	4.201	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.451	149	168044	3.909	ng/ul#	98
87) Chrysene	21.609	228	329320	4.311	ng/ul	99
89) Di-n-octyl phthalate	22.421	149	257669	3.340	ng/ul	100
90) Benzo(b)fluoranthene	23.333	252	311602	4.168	ng/ul	98
91) Benzo(k)fluoranthene	23.380	252	306922	4.138	ng/ul	99
93) Benzo(a)pyrene	24.003	252	275721	4.352	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.803	276	356956	5.023	ng/ul	96
95) Dibenzo(a,h)anthracene	26.815	278	295097	4.971	ng/ul	97
96) Benzo(g,h,i)perylene	27.627	276	290052	5.126	ng/ul	97

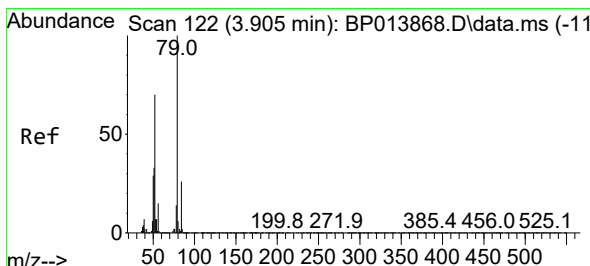
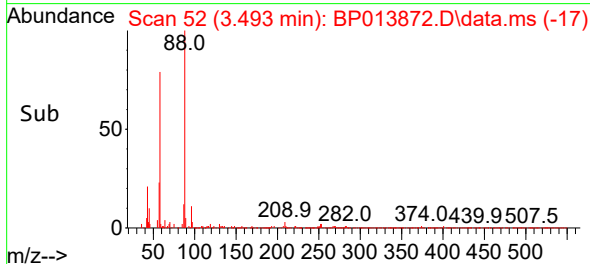
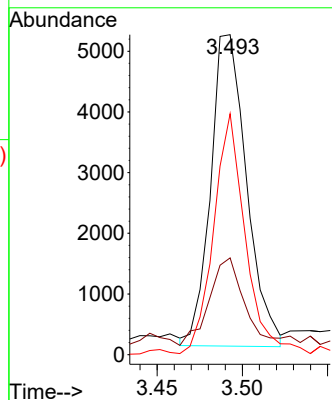
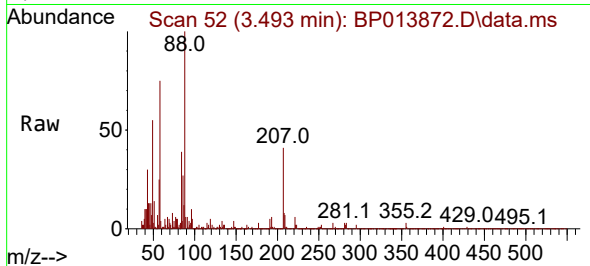
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#2
1,4-Dioxane
Concen: 1.370 ng/uL
RT: 3.493 min Scan# 51
Delta R.T. 0.006 min
Lab File: BP013872.D
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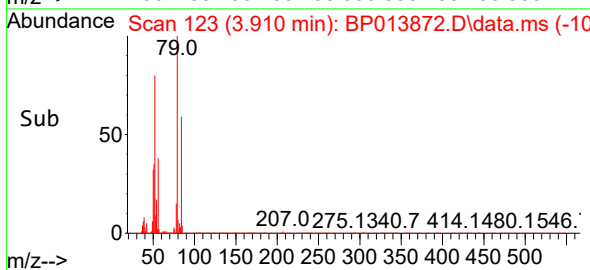
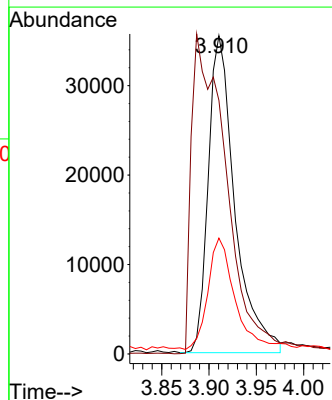
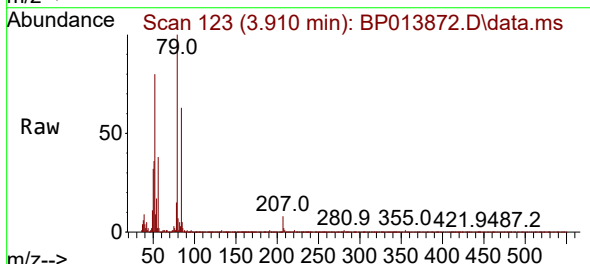
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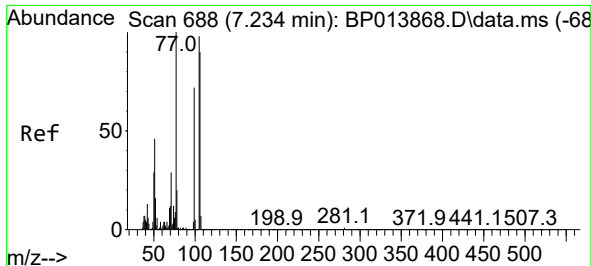
Tgt Ion: 88 Resp: 7543
Ion Ratio Lower Upper
88 100
43 30.3 20.1 30.1#
58 75.3 53.0 79.6



#5
Pyridine
Concen: 4.610 ng/uL
RT: 3.910 min Scan# 123
Delta R.T. 0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion: 79 Resp: 69258
Ion Ratio Lower Upper
79 100
52 79.7 55.1 82.7
51 36.4 25.7 38.5

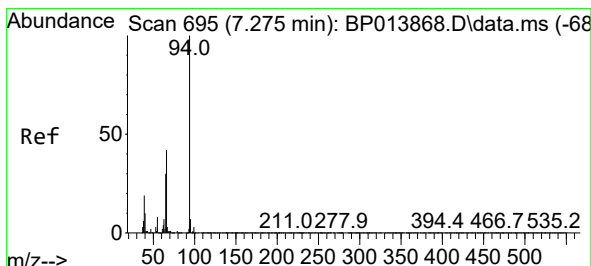
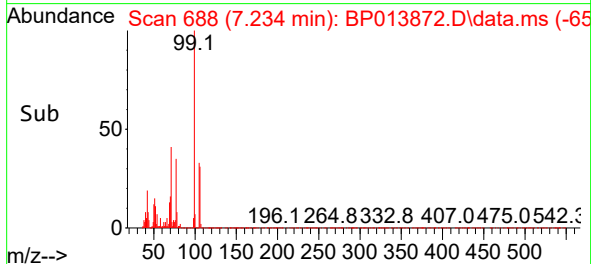
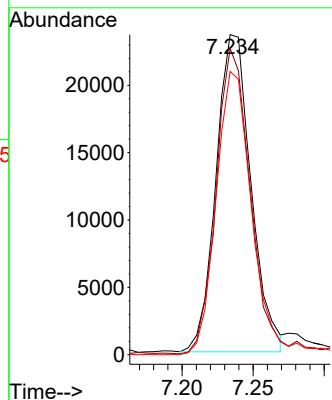
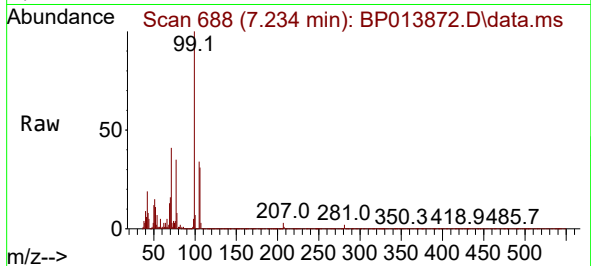




#6
Benzaldehyde
Concen: 4.726 ng/ul
RT: 7.234 min Scan# 688
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

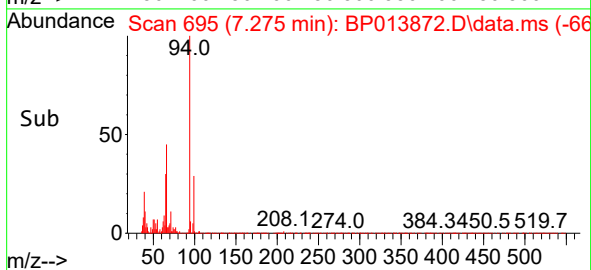
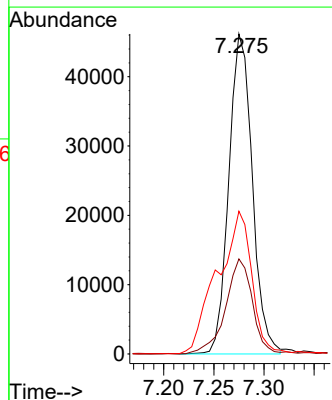
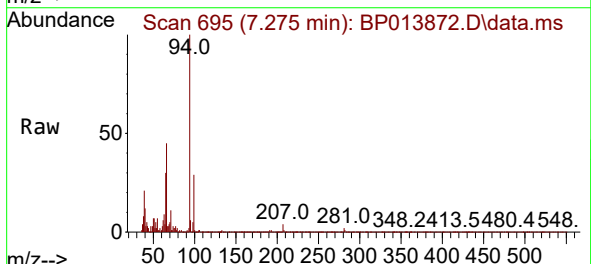
Instrument :
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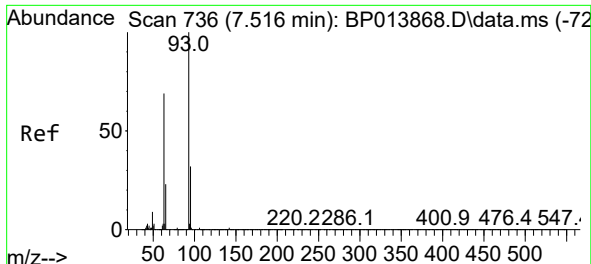
Tgt Ion: 77 Resp: 40356
Ion Ratio Lower Upper
77 100
105 95.7 79.5 119.3
106 88.5 76.5 114.7



#8
Phenol
Concen: 3.861 ng/ul
RT: 7.275 min Scan# 695
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion: 94 Resp: 75040
Ion Ratio Lower Upper
94 100
65 29.7 22.2 33.4
66 44.6 29.6 44.4#

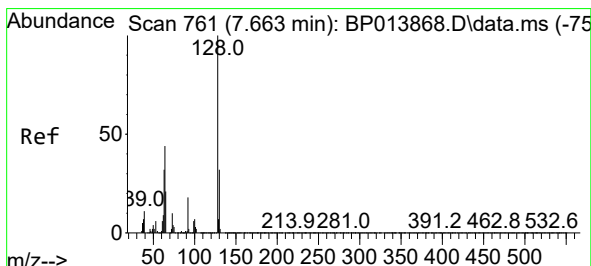
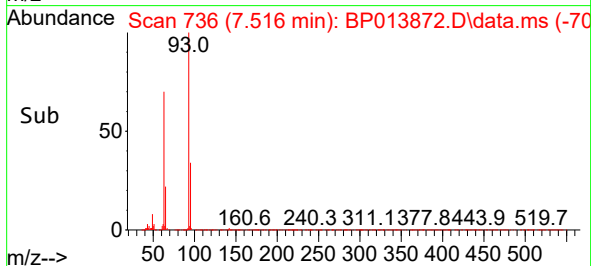
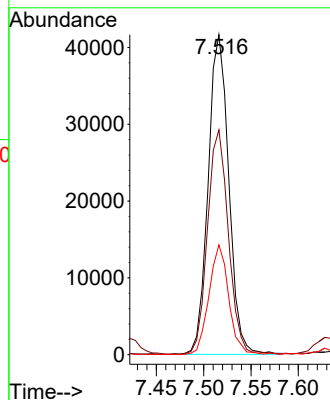
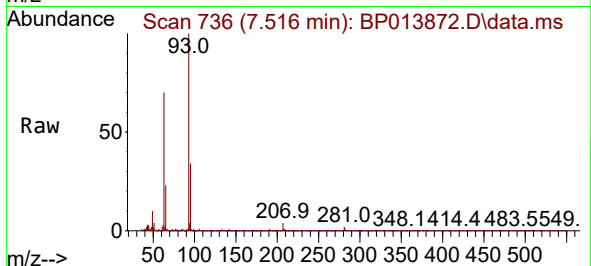




#10
Bis(2-Chloroethyl)ether
Concen: 4.041 ng/ul
RT: 7.516 min Scan# 736
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

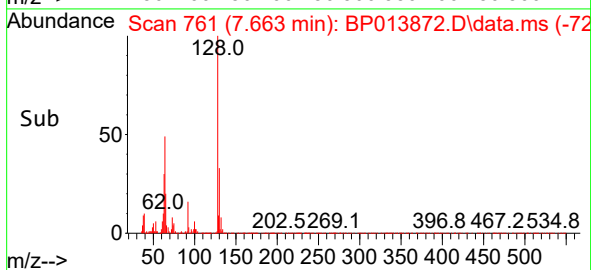
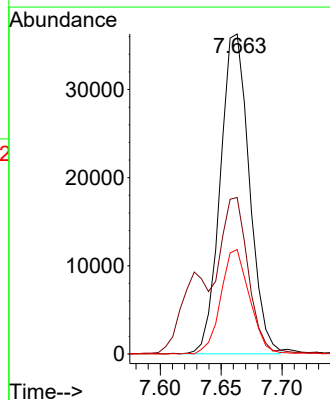
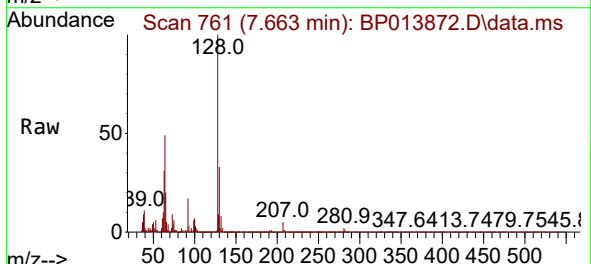
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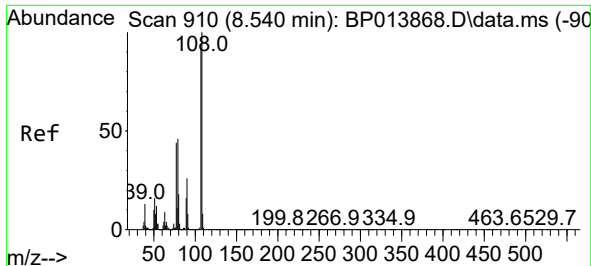
Tgt Ion: 93 Resp: 62938
Ion Ratio Lower Upper
93 100
63 70.3 59.4 89.0
95 34.3 25.8 38.8



#12
2-Chlorophenol
Concen: 4.219 ng/ul
RT: 7.663 min Scan# 761
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion: 128 Resp: 60330
Ion Ratio Lower Upper
128 100
64 48.9 37.3 55.9
130 32.6 26.3 39.5

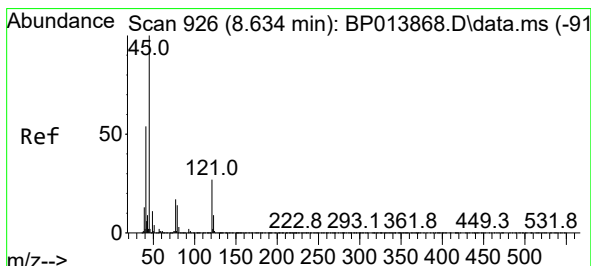
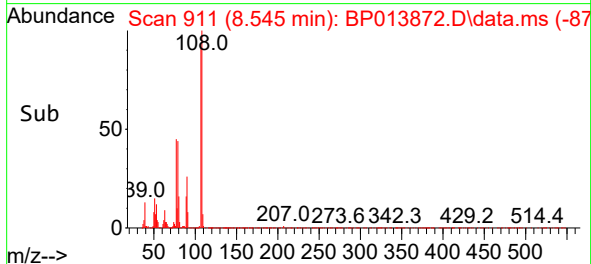
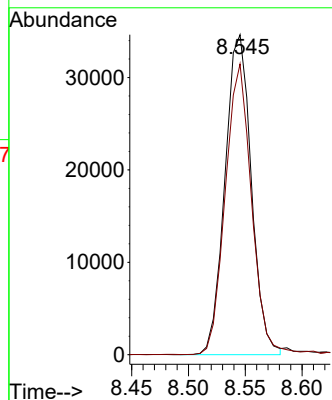
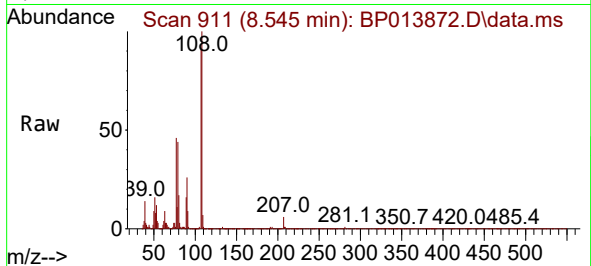




#13
2-Methylphenol
Concen: 3.764 ng/ul
RT: 8.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BP013872.D
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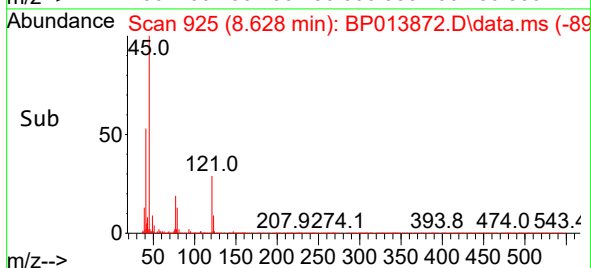
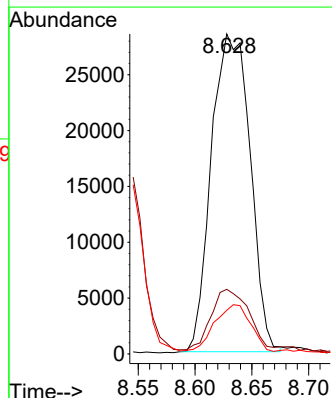
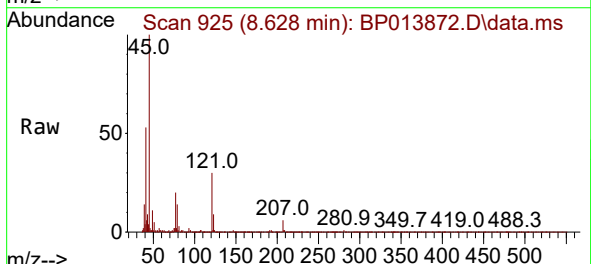
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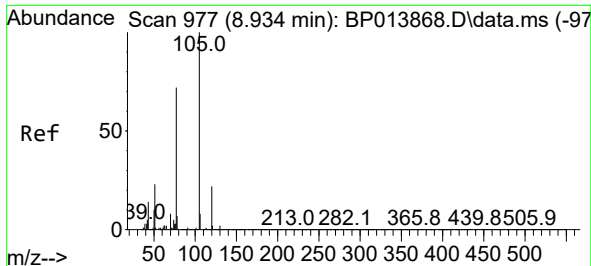
Tgt Ion:108 Resp: 55834
Ion Ratio Lower Upper
108 100
107 90.9 71.9 107.9



#14
2,2'-oxybis(1-Chloropropane)
Concen: 3.809 ng/ul
RT: 8.628 min Scan# 925
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion: 45 Resp: 67471
Ion Ratio Lower Upper
45 100
77 20.2 13.4 20.2#
79 13.6 11.0 16.4

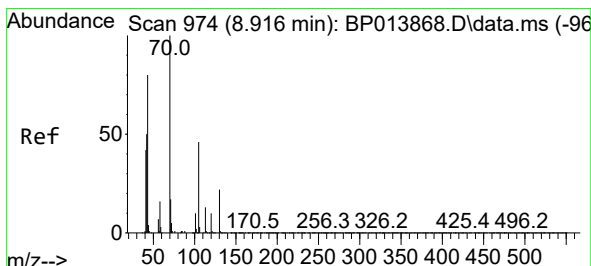
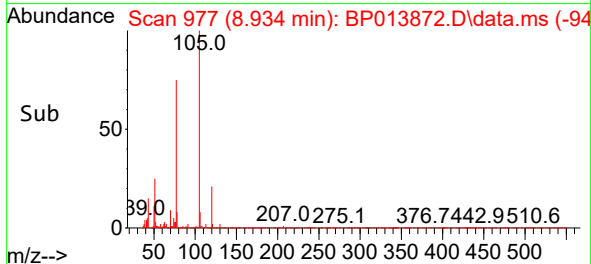
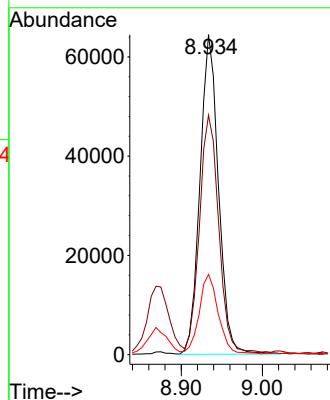
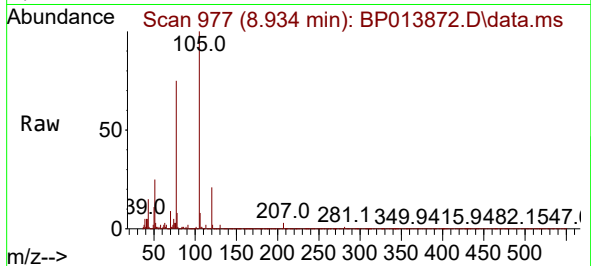




#16
Acetophenone
Concen: 4.108 ng/ul
RT: 8.934 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

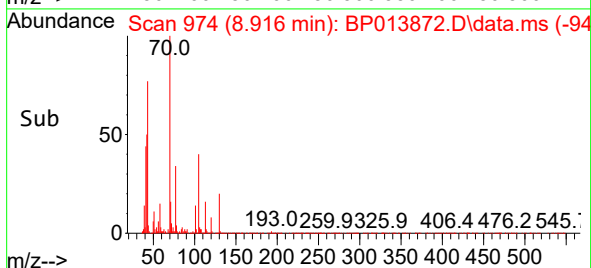
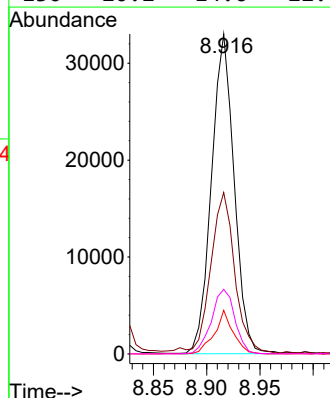
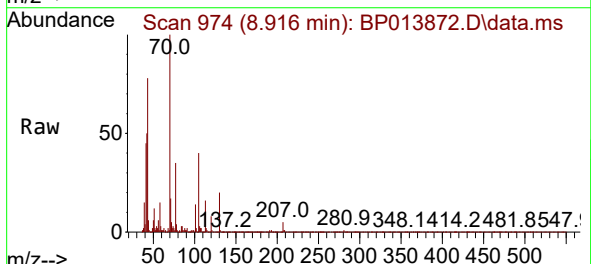
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MDL-MED-SOIL-QT1-2023-02

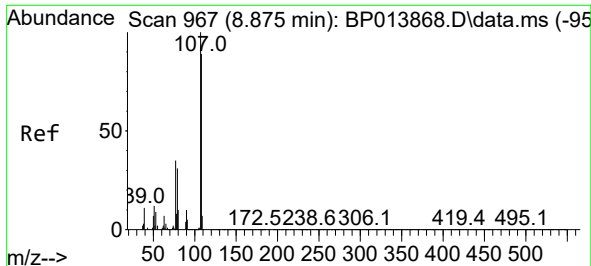
Tgt Ion:105 Resp: 101956
Ion Ratio Lower Upper
105 100
77 74.8 61.0 91.4
51 25.1 19.6 29.4



#17
N-Nitroso-di-n-propylamine
Concen: 3.970 ng/ul
RT: 8.916 min Scan# 974
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion: 70 Resp: 48932
Ion Ratio Lower Upper
70 100
42 50.4 39.8 59.8
101 13.6 7.4 11.2#
130 20.2 14.6 22.0

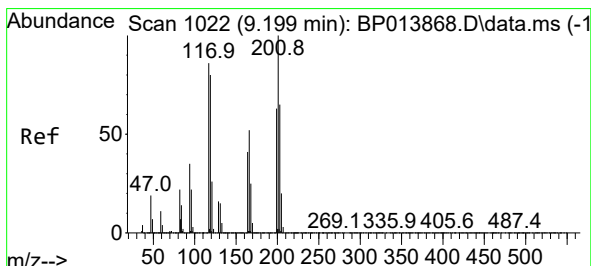
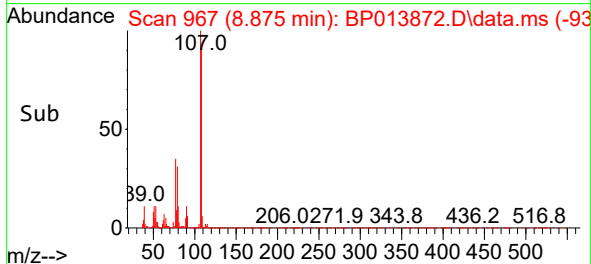
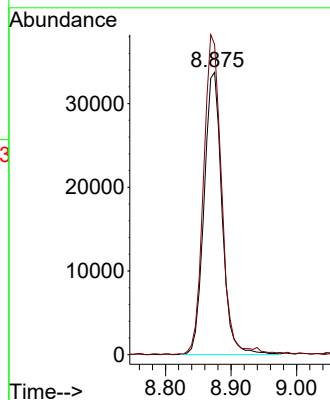
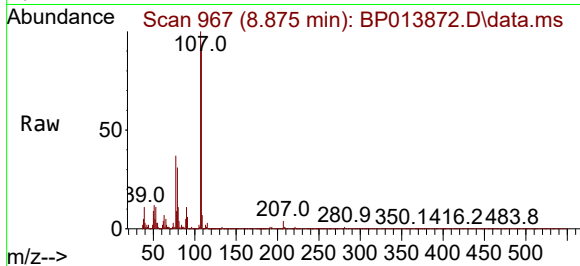




#18
4-Methylphenol
Concen: 3.908 ng/ul
RT: 8.875 min Scan# 967
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

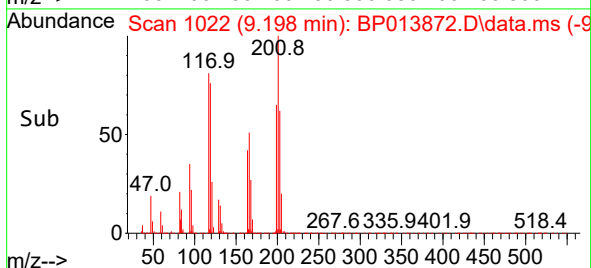
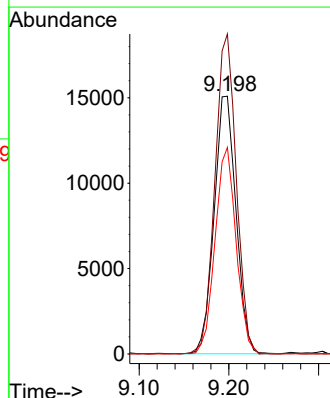
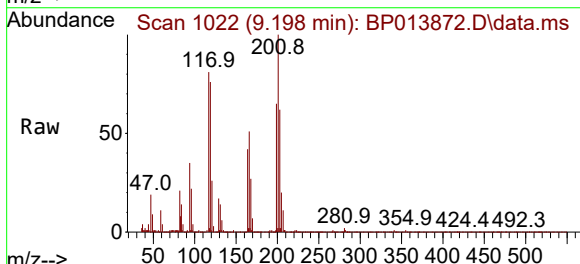
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

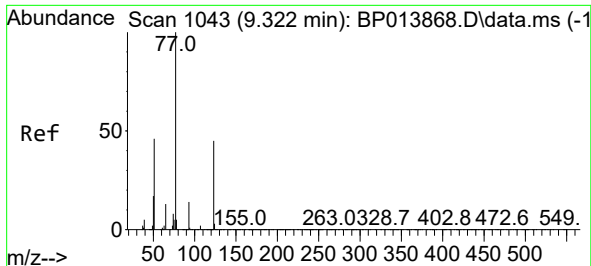
Tgt Ion:108 Resp: 64002
Ion Ratio Lower Upper
108 100
107 109.9 90.9 136.3



#19
Hexachloroethane
Concen: 4.381 ng/ul
RT: 9.198 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:117 Resp: 25658
Ion Ratio Lower Upper
117 100
201 124.2 86.6 129.8
199 80.2 55.2 82.8

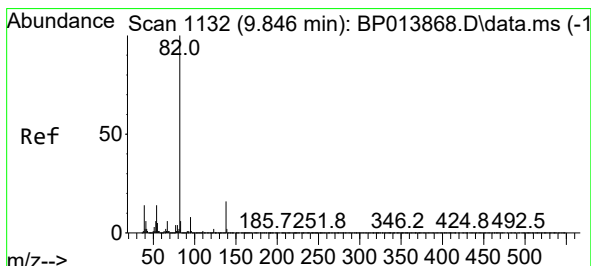
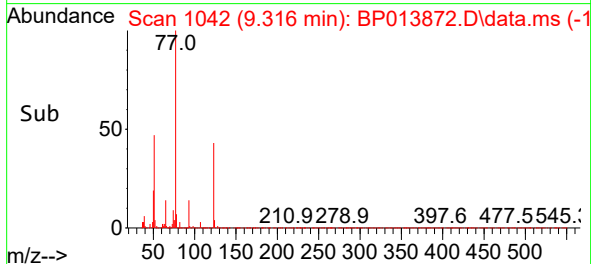
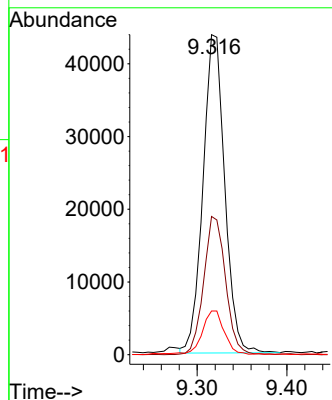
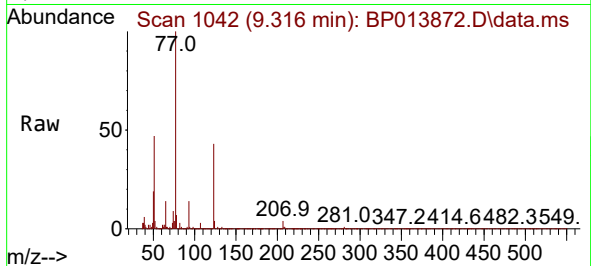




#22
Nitrobenzene
Concen: 4.507 ng/ul
RT: 9.316 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

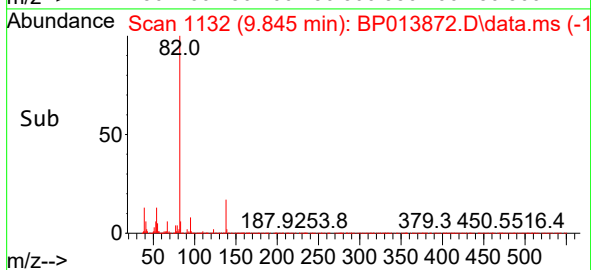
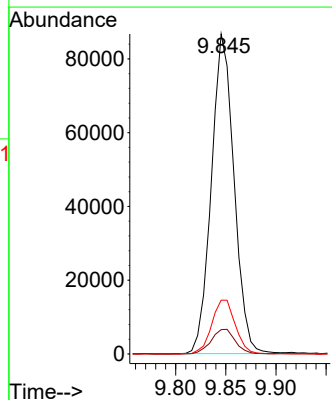
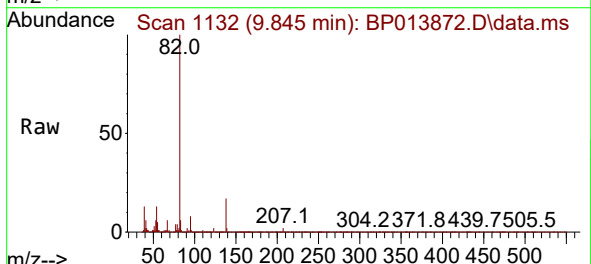
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

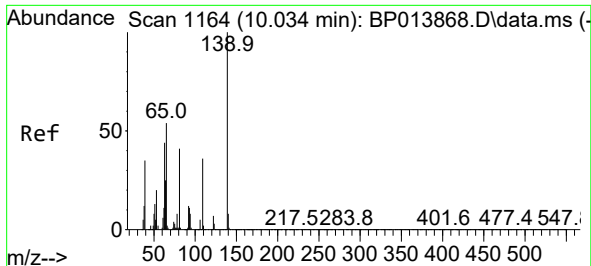
Tgt Ion: 77 Resp: 73984
Ion Ratio Lower Upper
77 100
123 43.2 35.1 52.7
65 13.6 10.6 16.0



#23
Isophorone
Concen: 3.937 ng/ul
RT: 9.845 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion: 82 Resp: 136349
Ion Ratio Lower Upper
82 100
95 7.6 6.0 9.0
138 16.8 13.7 20.5

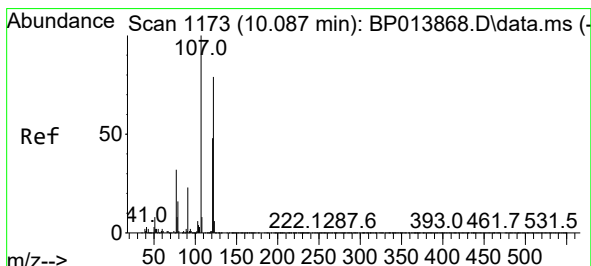
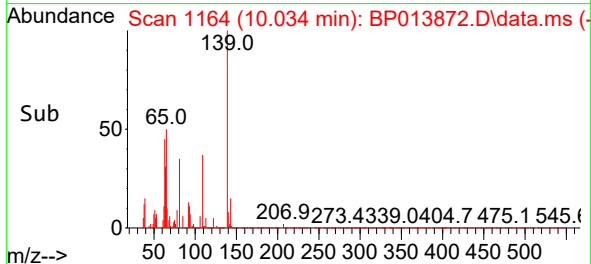
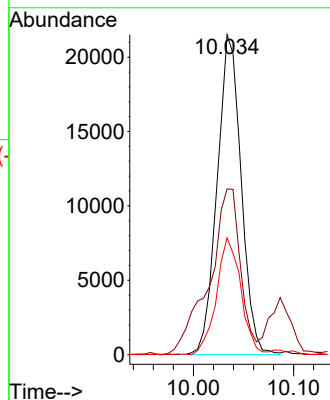
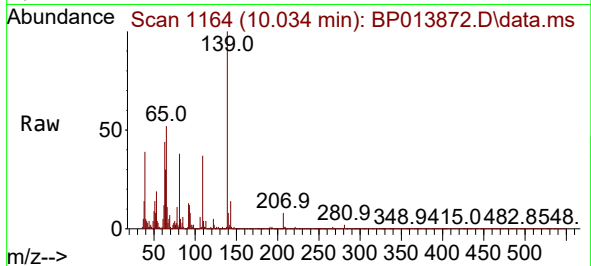




#25
2-Nitrophenol
Concen: 4.569 ng/ul
RT: 10.034 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

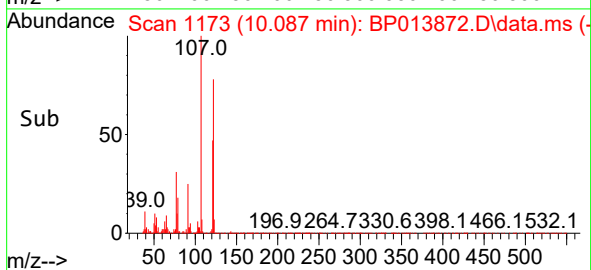
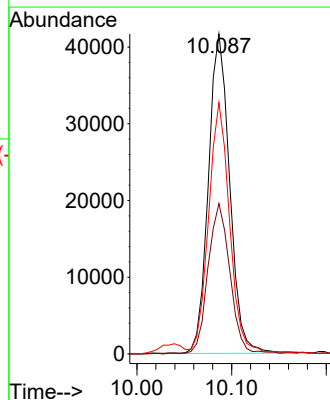
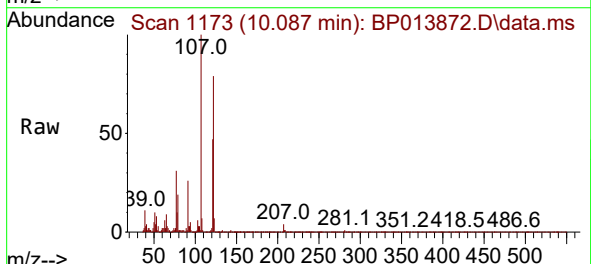
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

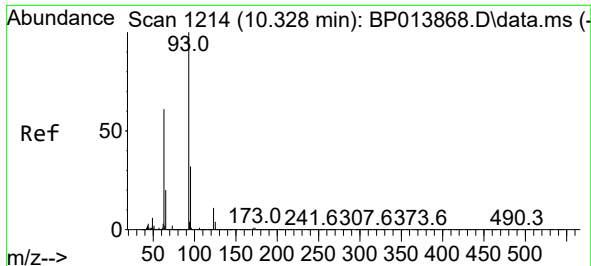
Tgt Ion:139 Resp: 35673
Ion Ratio Lower Upper
139 100
65 51.8 39.9 59.9
109 36.5 27.4 41.0



#26
2,4-Dimethylphenol
Concen: 3.729 ng/ul
RT: 10.087 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:107 Resp: 64837
Ion Ratio Lower Upper
107 100
121 47.0 37.8 56.6
122 78.5 63.7 95.5





#27

Bis(2-Chloroethoxy)methane

Concen: 4.077 ng/ul

RT: 10.328 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

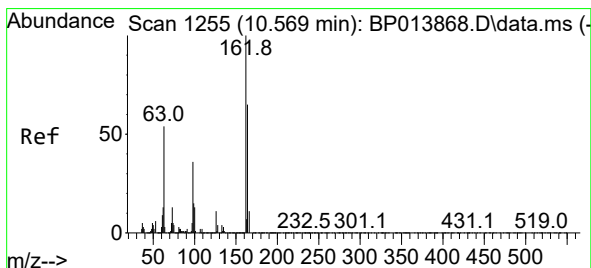
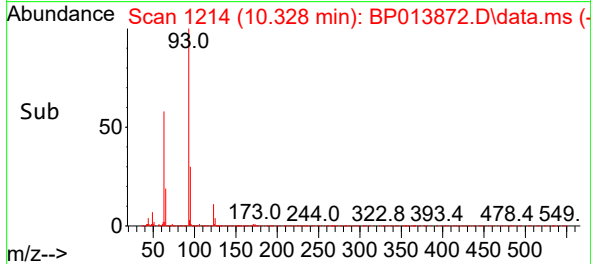
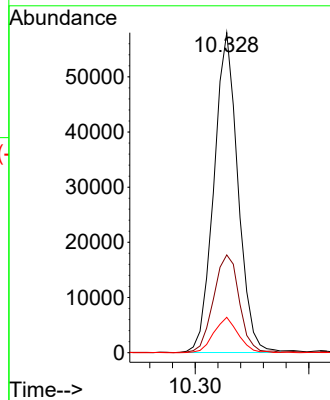
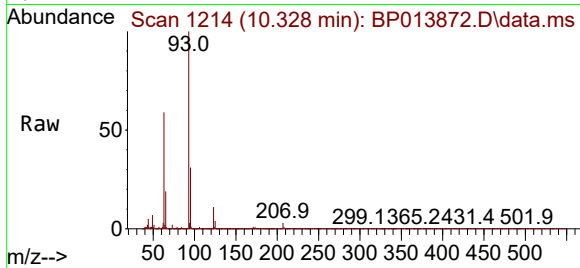
Tgt Ion: 93 Resp: 85279

Ion Ratio Lower Upper

93 100

95 30.5 25.0 37.6

123 11.1 8.2 12.4



#29

2,4-Dichlorophenol

Concen: 4.345 ng/ul

RT: 10.569 min Scan# 1255

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

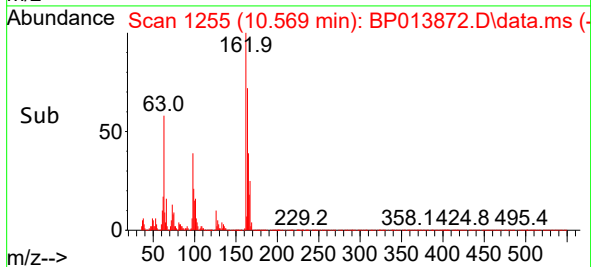
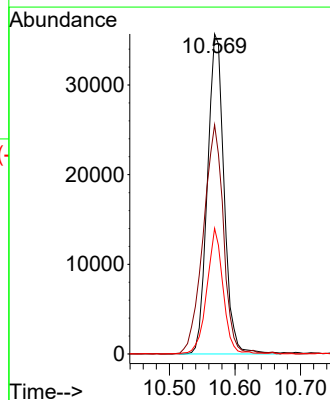
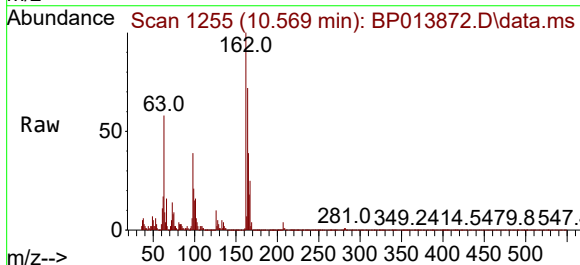
Tgt Ion: 162 Resp: 62794

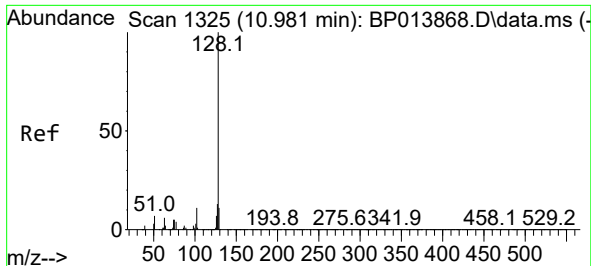
Ion Ratio Lower Upper

162 100

164 71.6 51.4 77.2

98 39.2 27.5 41.3

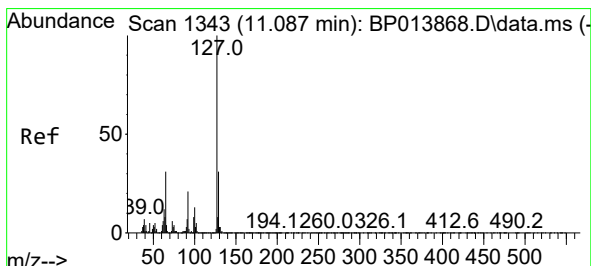
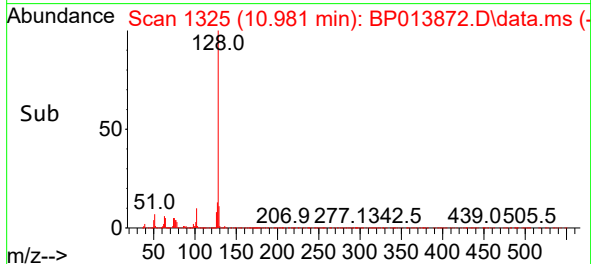
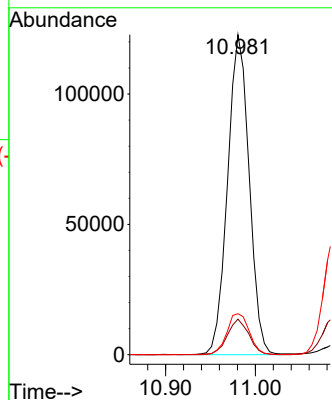
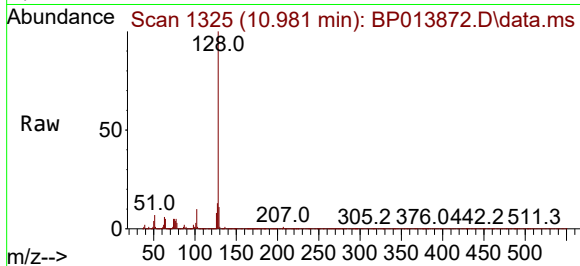




#30
Naphthalene
Concen: 4.292 ng/ul
RT: 10.981 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

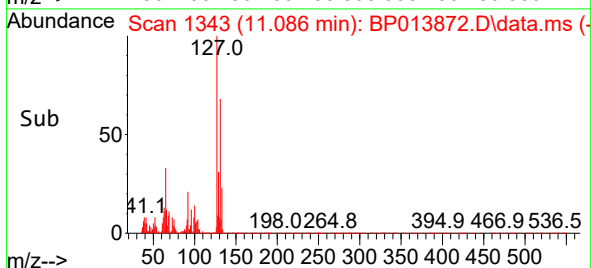
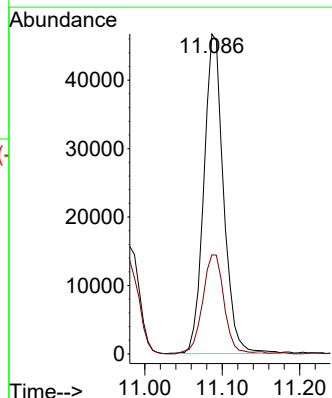
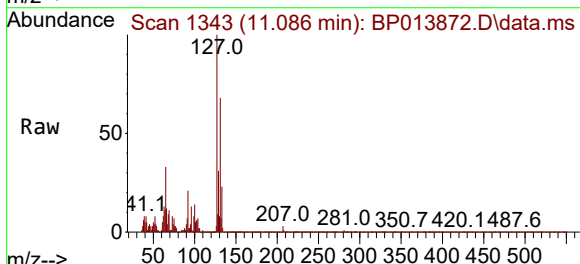
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

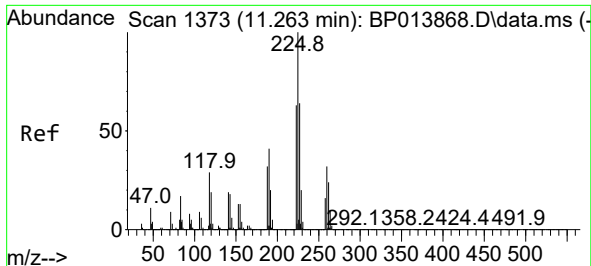
Tgt Ion:128 Resp: 204878
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 12.8 10.6 15.8



#32
4-Chloroaniline
Concen: 3.922 ng/ul
RT: 11.086 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:127 Resp: 82271
Ion Ratio Lower Upper
127 100
129 31.0 26.2 39.4

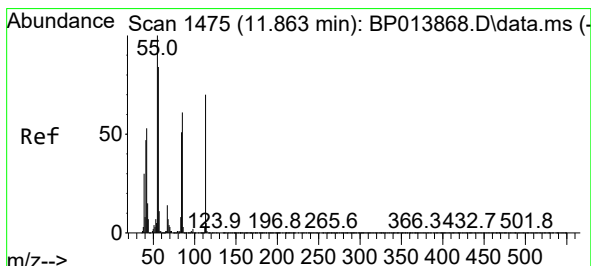
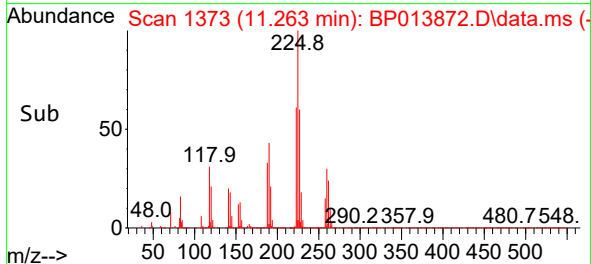
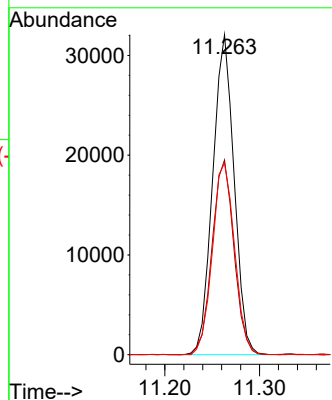
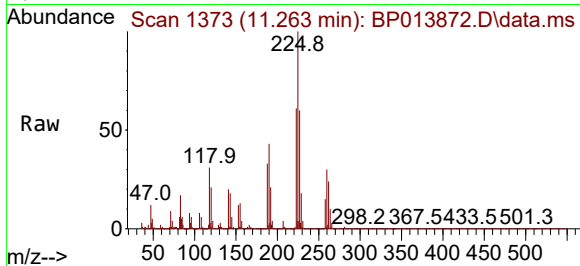




#33
Hexachlorobutadiene
Concen: 4.945 ng/ul
RT: 11.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

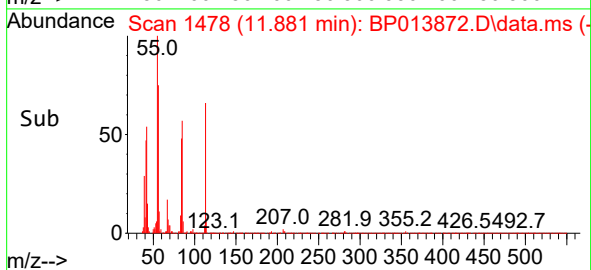
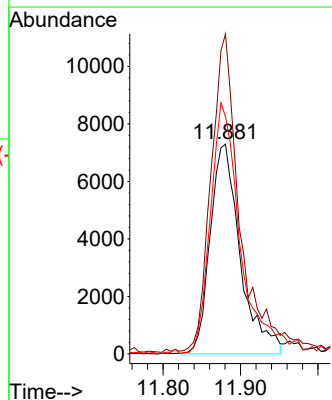
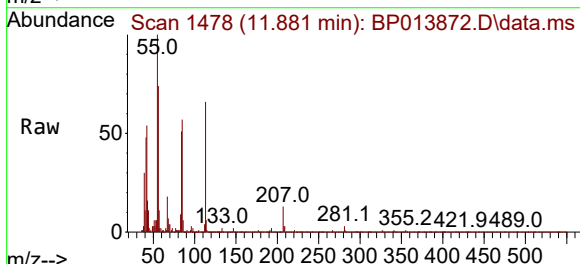
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BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

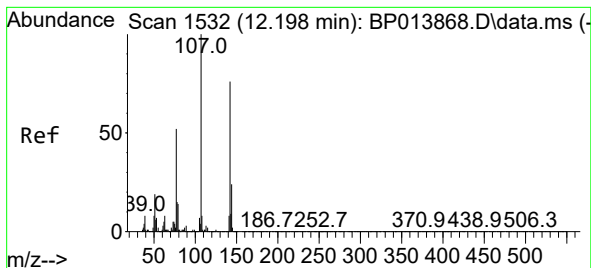
Tgt Ion:225 Resp: 50348
Ion Ratio Lower Upper
225 100
223 60.9 50.6 76.0
227 59.9 49.0 73.4



#34
Caprolactam
Concen: 3.878 ng/ul
RT: 11.881 min Scan# 1478
Delta R.T. 0.017 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:113 Resp: 19668
Ion Ratio Lower Upper
113 100
55 152.5 120.9 181.3
56 113.0 93.8 140.8

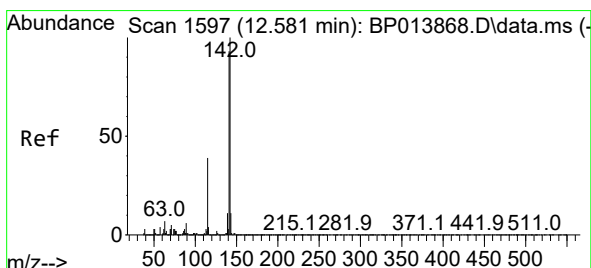
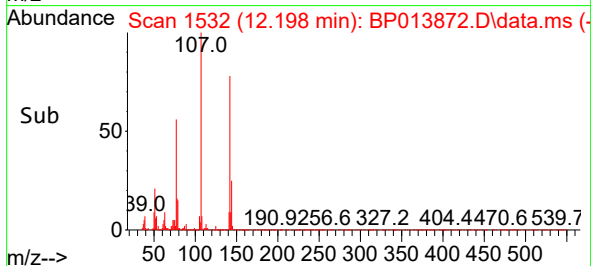
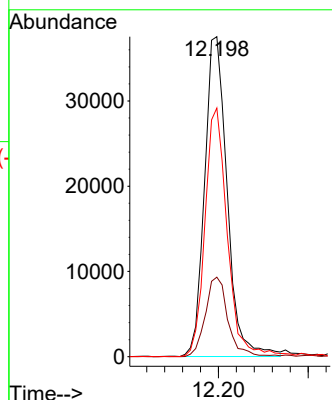
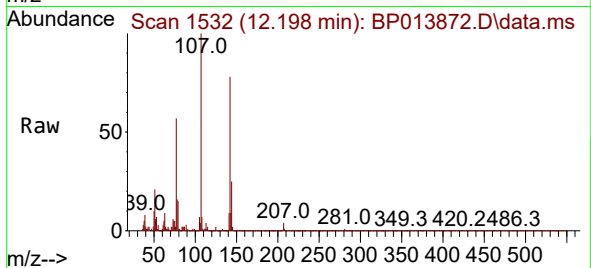




#35
4-Chloro-3-methylphenol
Concen: 3.931 ng/ul
RT: 12.198 min Scan# 1532
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

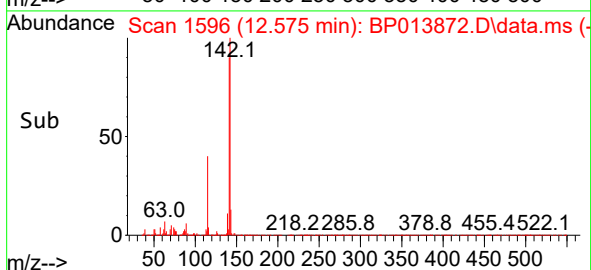
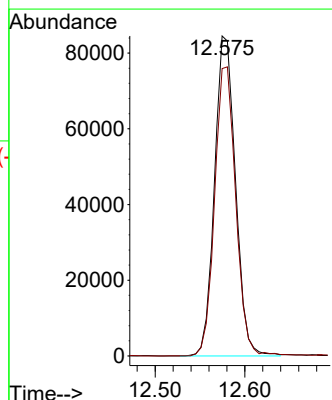
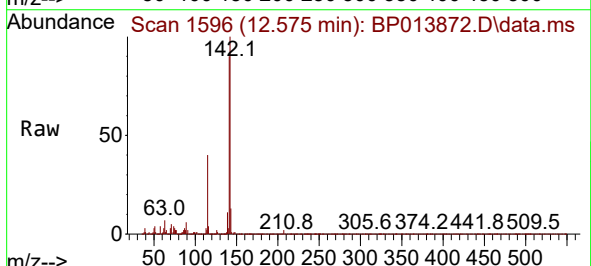
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ClientSampleId : MDL-MED-SOIL-QT1-2023-02

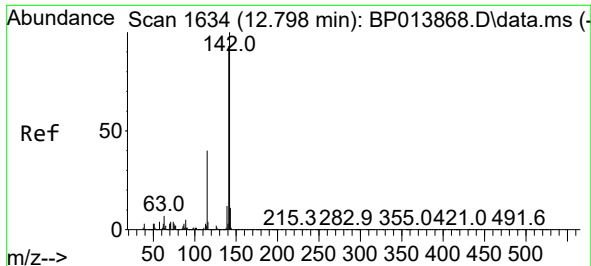
Tgt Ion:107 Resp: 65589
Ion Ratio Lower Upper
107 100
144 24.9 20.0 30.0
142 77.7 62.1 93.1



#36
2-Methylnaphthalene
Concen: 4.088 ng/ul
RT: 12.575 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:142 Resp: 137197
Ion Ratio Lower Upper
142 100
141 89.8 72.8 109.2

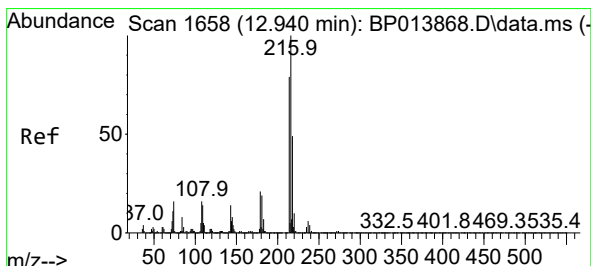
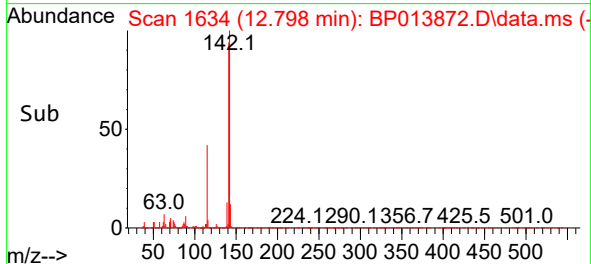
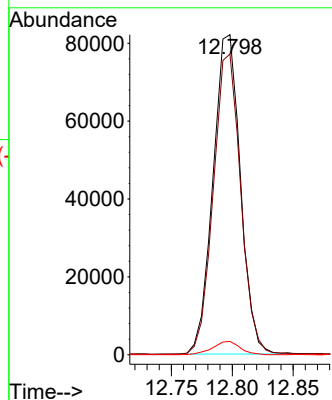
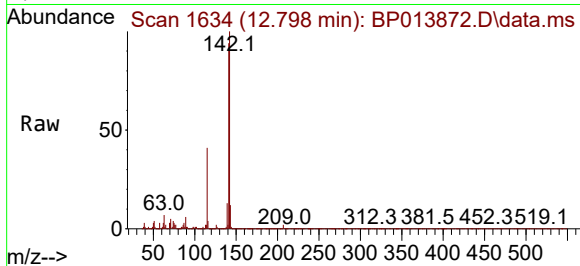




#37
1-Methylnaphthalene
Concen: 3.707 ng/ul
RT: 12.798 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

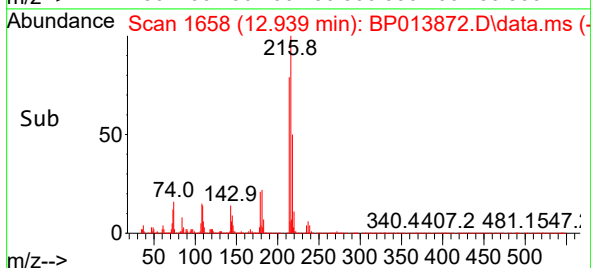
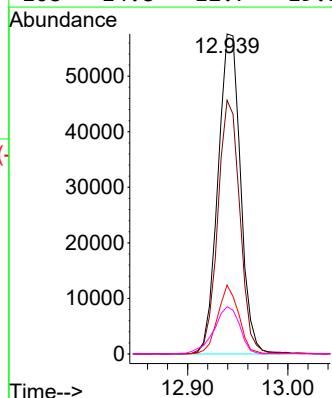
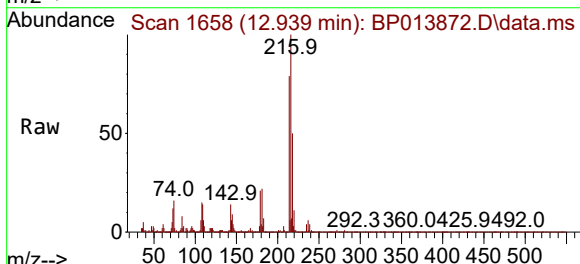
Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

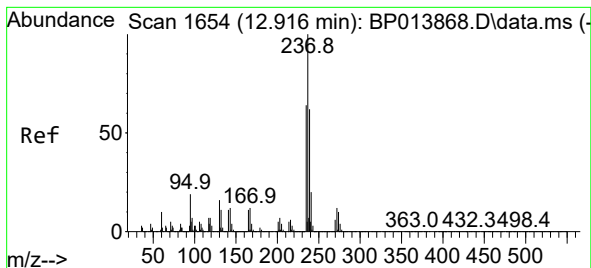
Tgt Ion:142 Resp: 128545
Ion Ratio Lower Upper
142 100
141 93.9 74.2 111.2
116 4.2 3.1 4.7



#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.687 ng/ul
RT: 12.939 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:216 Resp: 89949
Ion Ratio Lower Upper
216 100
214 79.2 62.6 93.8
179 21.5 15.4 23.2
108 14.8 12.7 19.1





#40

Hexachlorocyclopentadiene

Concen: 4.077 ng/ul

RT: 12.922 min Scan# 1655

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

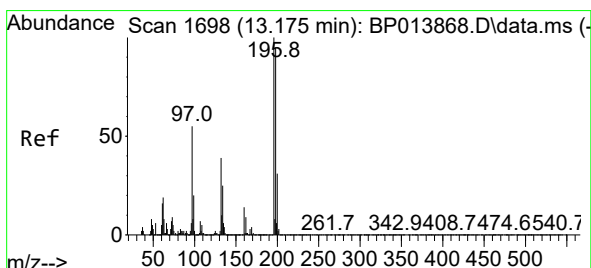
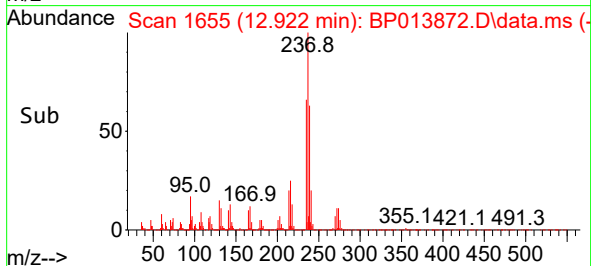
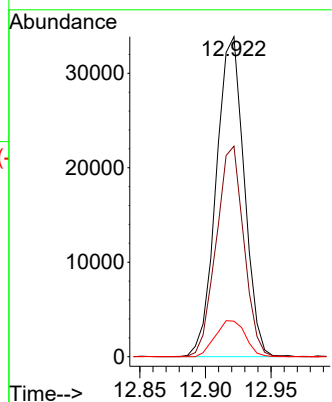
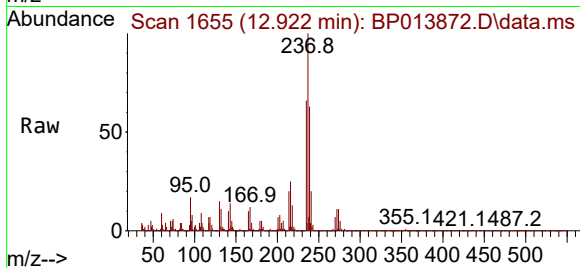
Tgt Ion:237 Resp: 50238

Ion Ratio Lower Upper

237 100

235 65.8 49.8 74.8

272 11.8 10.1 15.1



#41

2,4,6-Trichlorophenol

Concen: 4.275 ng/ul

RT: 13.180 min Scan# 1699

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

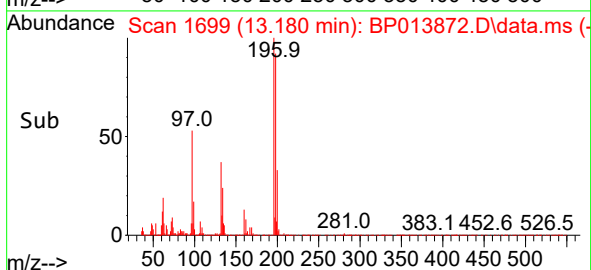
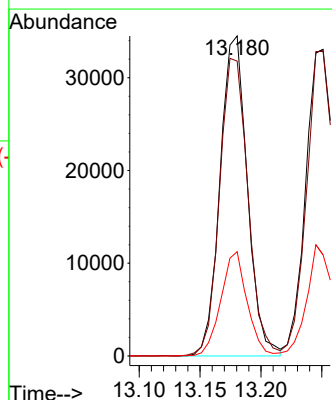
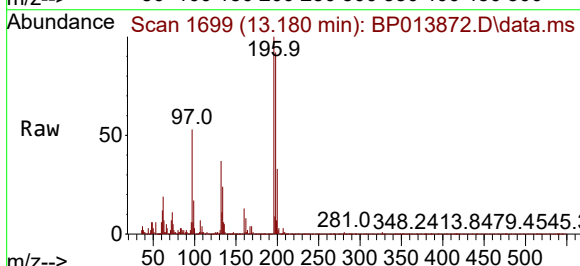
Tgt Ion:196 Resp: 53835

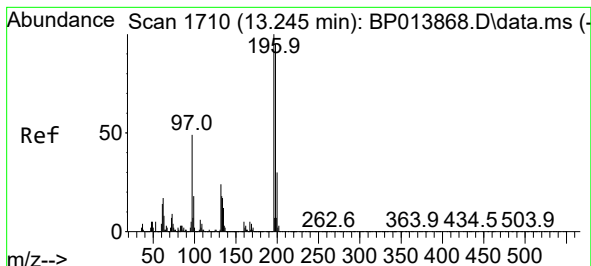
Ion Ratio Lower Upper

196 100

198 92.1 75.1 112.7

200 32.6 24.3 36.5





#42

2,4,5-Trichlorophenol

Concen: 3.990 ng/ul

RT: 13.251 min Scan# 1710

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

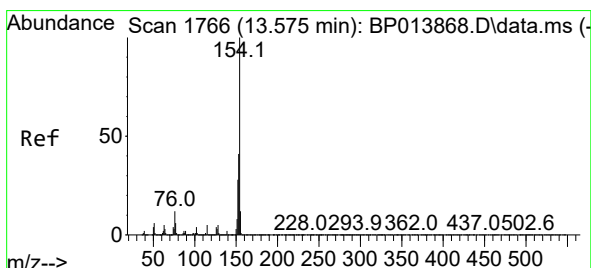
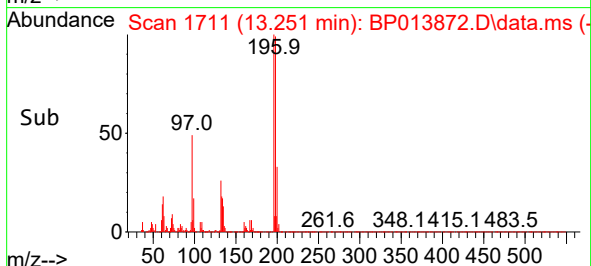
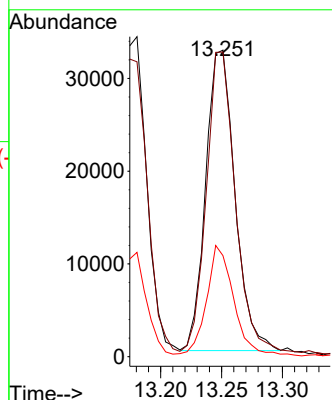
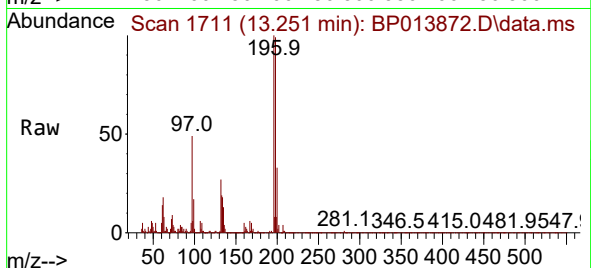
Tgt Ion:196 Resp: 54391

Ion Ratio Lower Upper

196 100

198 99.4 77.0 115.4

200 33.0 25.8 38.6



#43

1,1'-Biphenyl

Concen: 4.268 ng/ul

RT: 13.575 min Scan# 1766

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

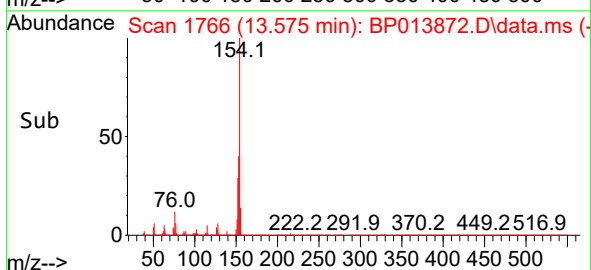
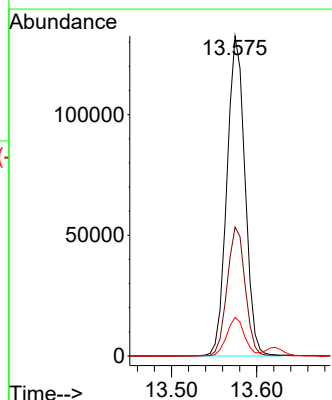
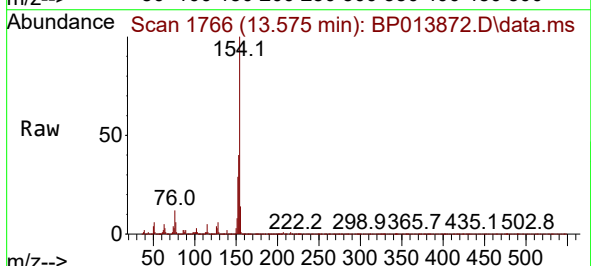
Tgt Ion:154 Resp: 195054

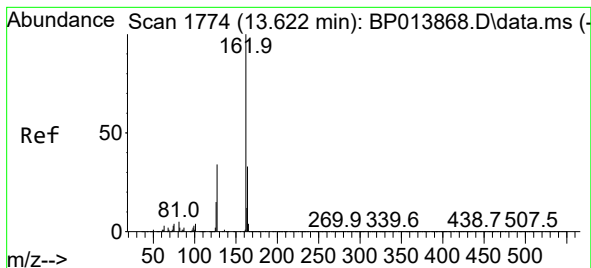
Ion Ratio Lower Upper

154 100

153 40.3 31.9 47.9

76 12.1 9.9 14.9

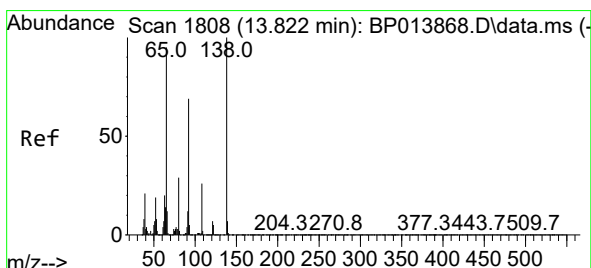
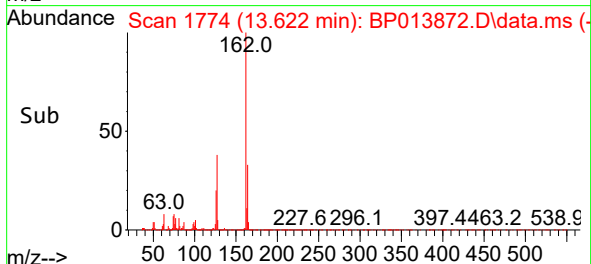
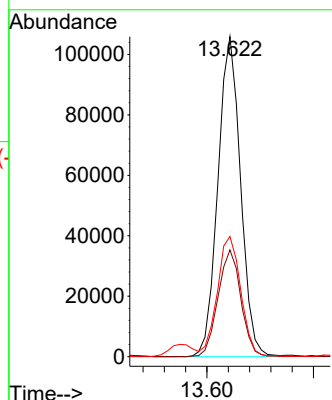
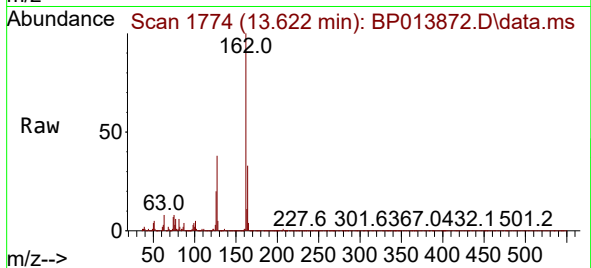




#44
2-Chloronaphthalene
Concen: 4.343 ng/ul
RT: 13.622 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

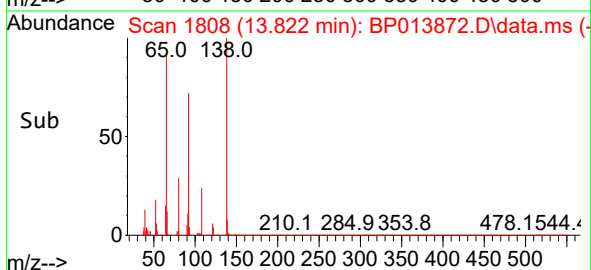
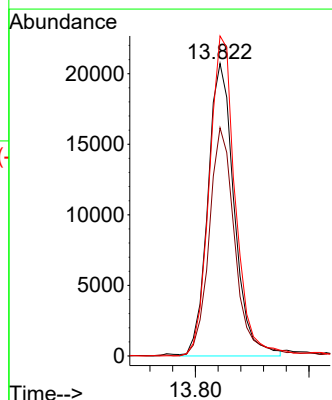
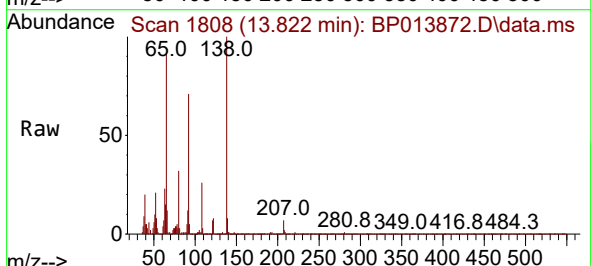
Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

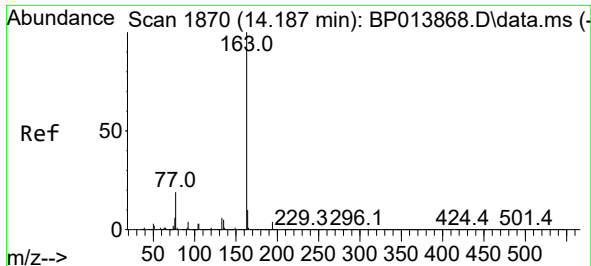
Tgt Ion:162 Resp: 156134
Ion Ratio Lower Upper
162 100
164 33.4 26.1 39.1
127 37.6 31.1 46.7



#45
2-Nitroaniline
Concen: 3.854 ng/ul
RT: 13.822 min Scan# 1808
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion: 65 Resp: 33369
Ion Ratio Lower Upper
65 100
92 78.0 58.6 88.0
138 109.4 81.2 121.8

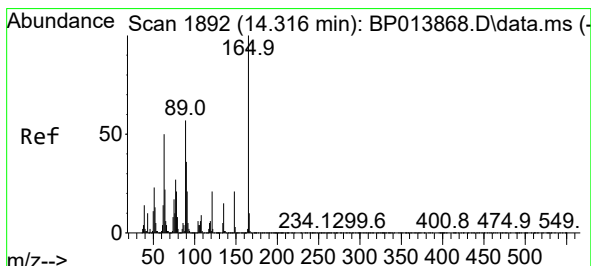
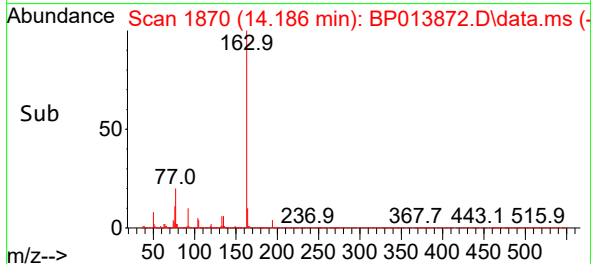
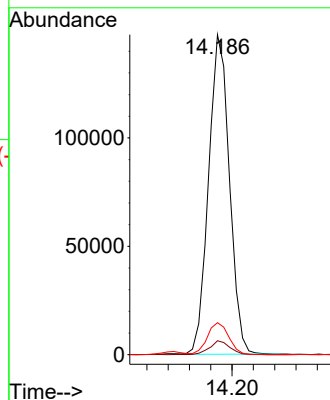
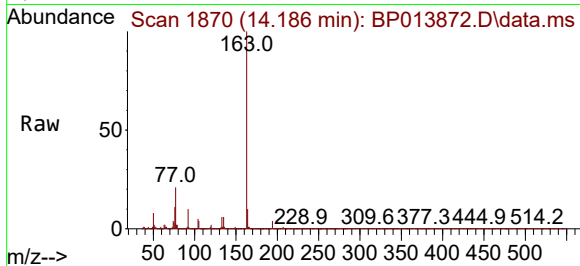




#47
Dimethylphthalate
Concen: 4.218 ng/ul
RT: 14.186 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

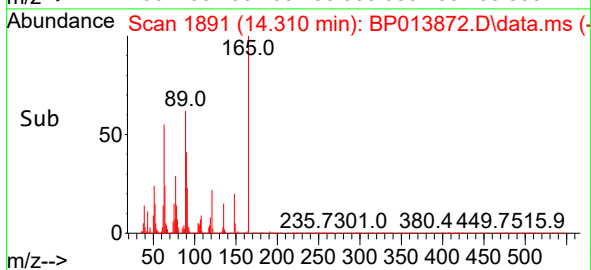
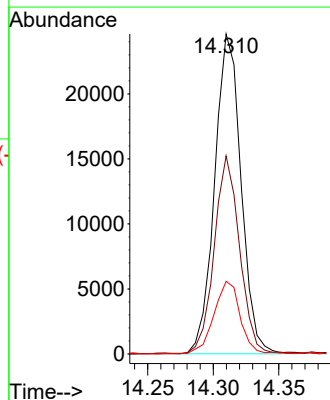
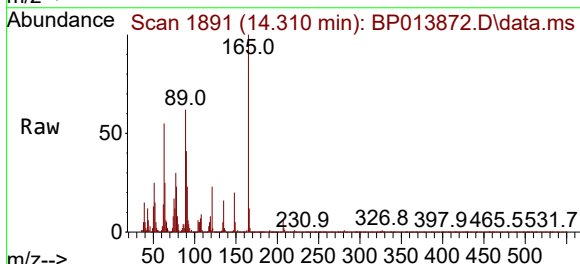
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

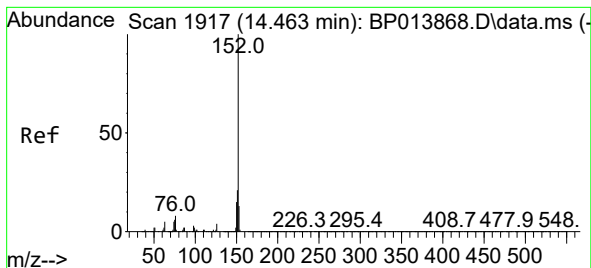
Tgt Ion:163 Resp: 200657
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.0 7.8 11.8



#48
2,6-Dinitrotoluene
Concen: 4.133 ng/ul
RT: 14.310 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:165 Resp: 34352
Ion Ratio Lower Upper
165 100
89 61.9 47.5 71.3
121 22.7 16.6 24.8





#50

Acenaphthylene

Concen: 4.253 ng/ul

RT: 14.463 min Scan# 1917

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

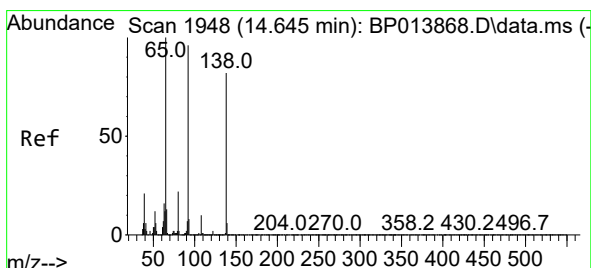
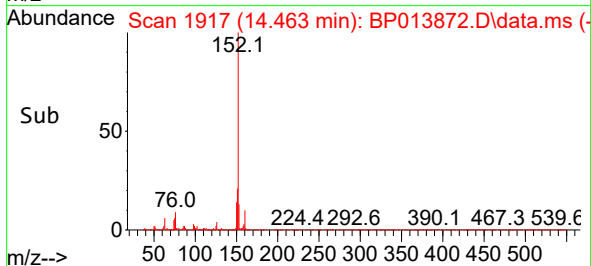
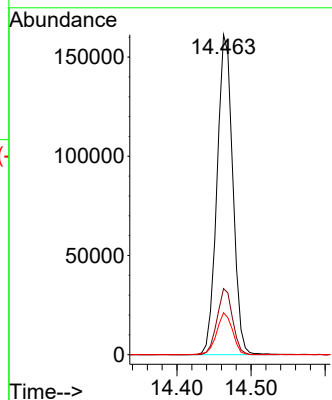
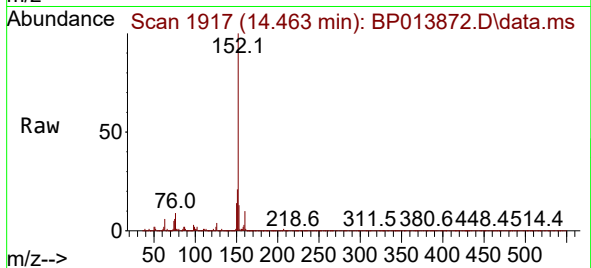
Tgt Ion:152 Resp: 238250

Ion Ratio Lower Upper

152 100

151 20.7 15.8 23.6

153 13.1 10.4 15.6



#51

3-Nitroaniline

Concen: 3.736 ng/ul

RT: 14.645 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

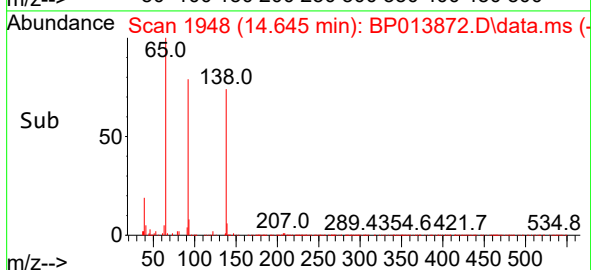
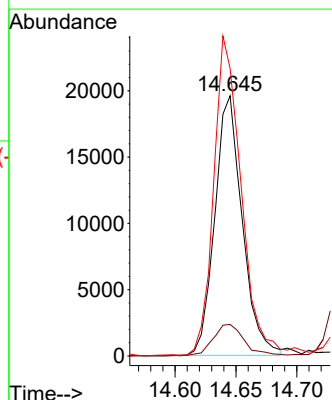
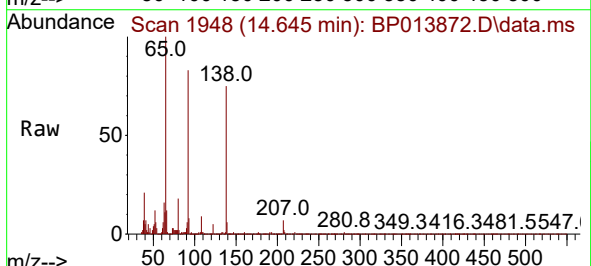
Tgt Ion:138 Resp: 30704

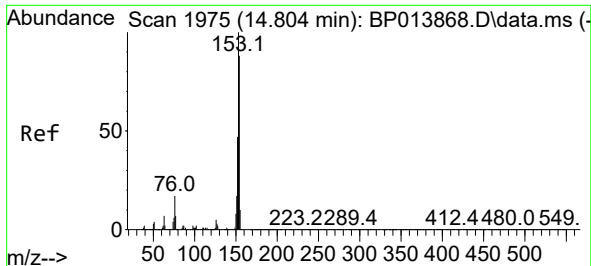
Ion Ratio Lower Upper

138 100

108 12.1 9.4 14.2

92 110.4 97.4 146.0

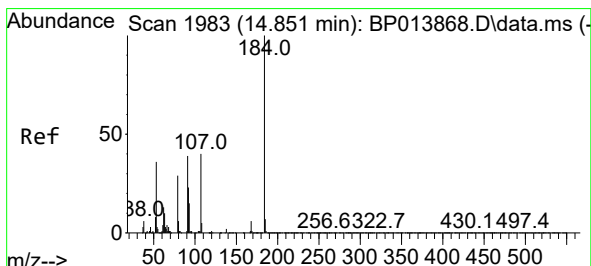
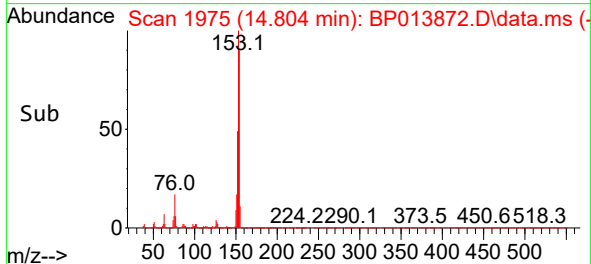
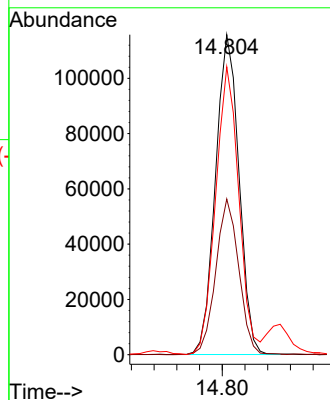
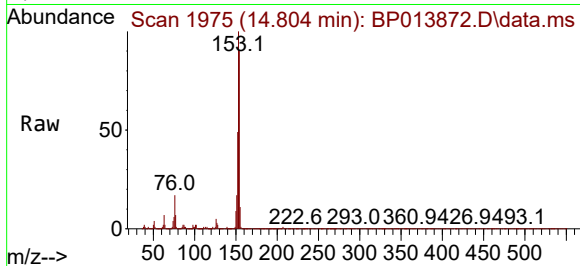




#52
Acenaphthene
Concen: 4.245 ng/ul
RT: 14.804 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

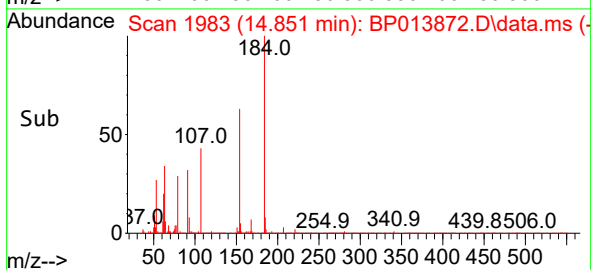
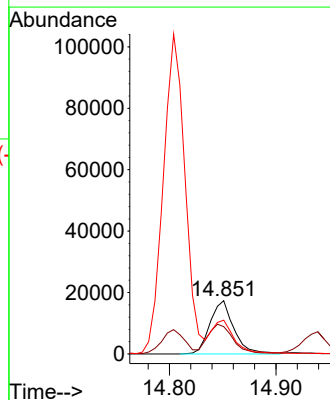
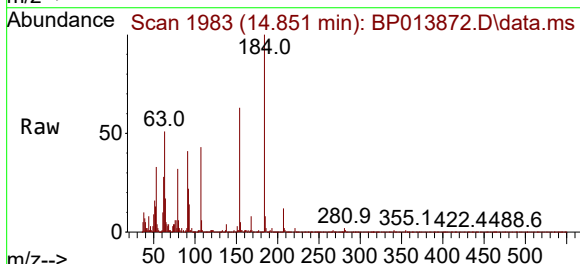
Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

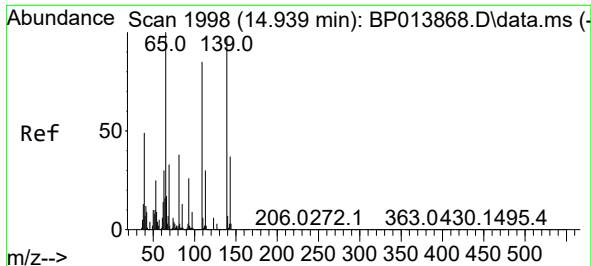
Tgt Ion:153 Resp: 166420
Ion Ratio Lower Upper
153 100
152 48.7 37.4 56.0
154 90.0 70.1 105.1



#53
2,4-Dinitrophenol
Concen: 4.559 ng/ul
RT: 14.851 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:184 Resp: 27025
Ion Ratio Lower Upper
184 100
63 51.3 49.5 74.3
154 63.4 54.3 81.5

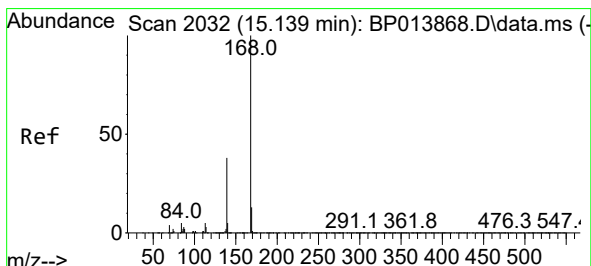
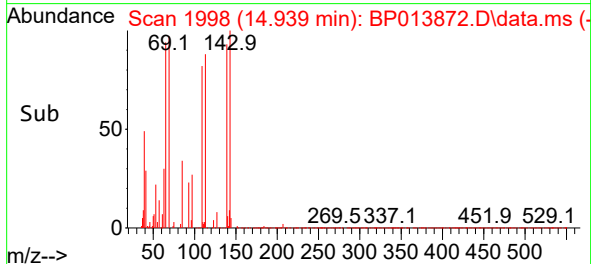
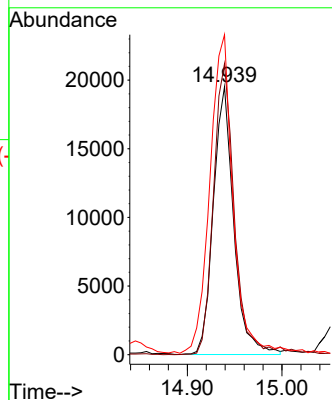
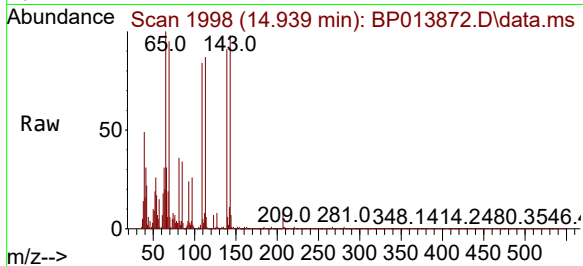




#55
4-Nitrophenol
Concen: 3.895 ng/ul
RT: 14.939 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

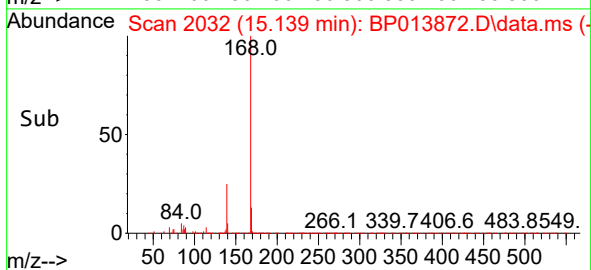
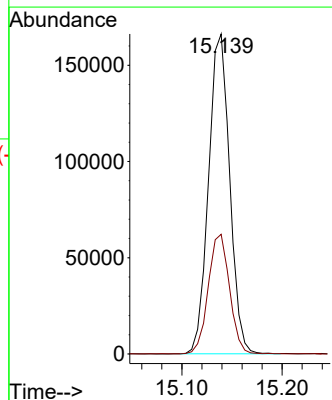
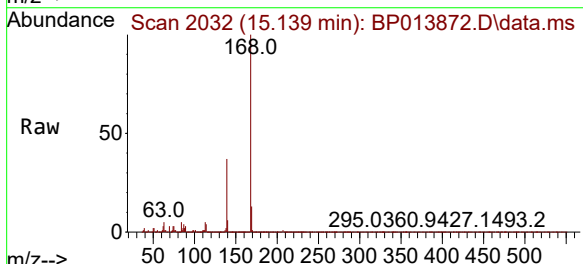
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

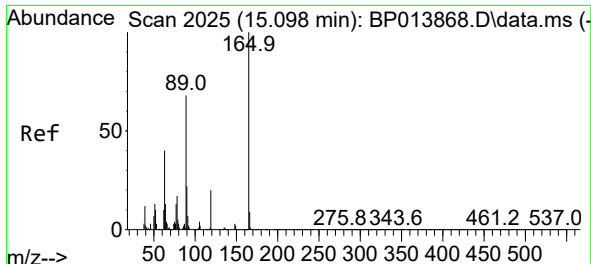
Tgt Ion	Ratio	Lower	Upper
109	100		
139	108.6	96.0	144.0
65	119.4	95.8	143.6



#56
Dibenzofuran
Concen: 4.328 ng/ul
RT: 15.139 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.6	44.4

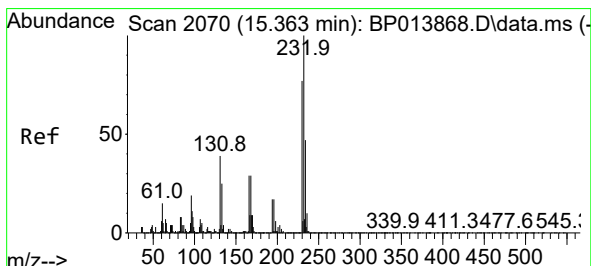
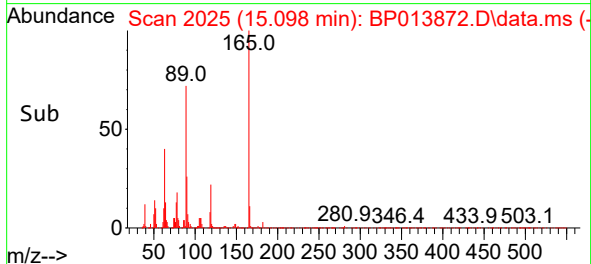
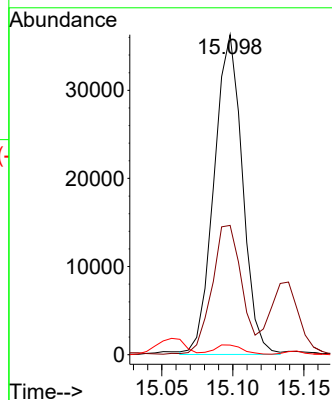
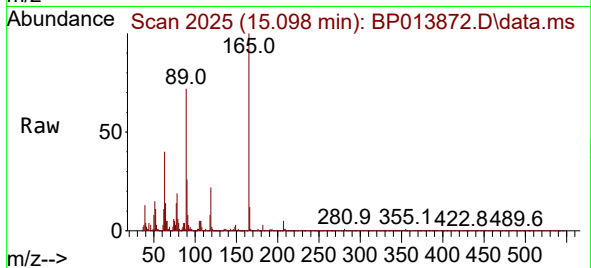




#57
2,4-Dinitrotoluene
Concen: 4.070 ng/ul
RT: 15.098 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

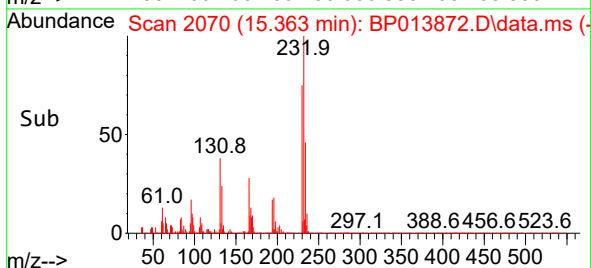
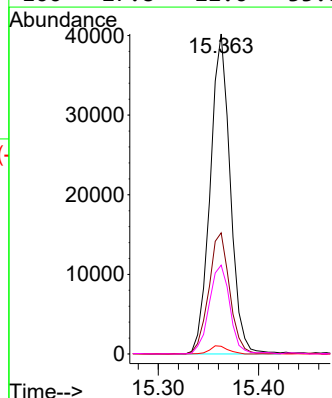
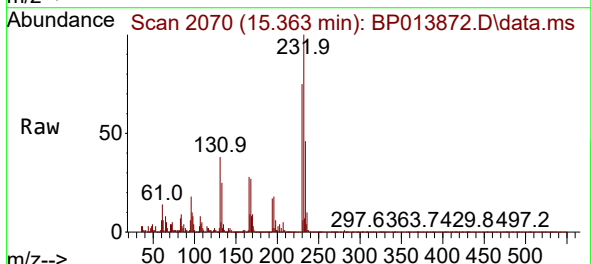
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

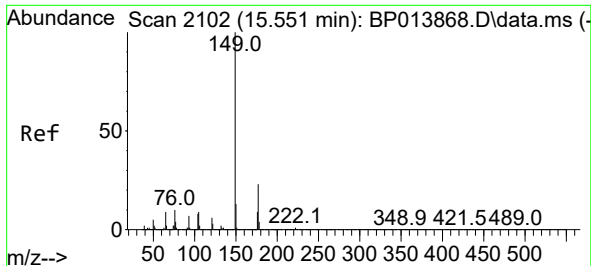
Tgt Ion:165 Resp: 50441
Ion Ratio Lower Upper
165 100
63 40.4 32.0 48.0
182 3.0 2.4 3.6



#58
2,3,4,6-Tetrachlorophenol
Concen: 4.351 ng/ul
RT: 15.363 min Scan# 2070
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:232 Resp: 55900
Ion Ratio Lower Upper
232 100
131 37.8 33.0 49.6
130 2.4 1.5 2.3#
166 27.8 22.6 33.8

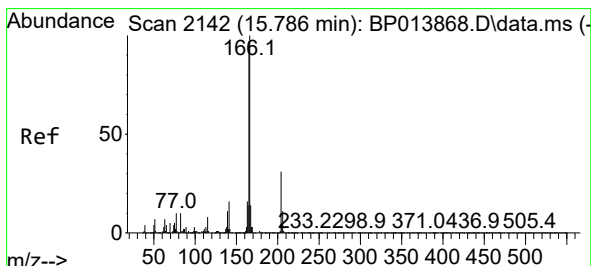
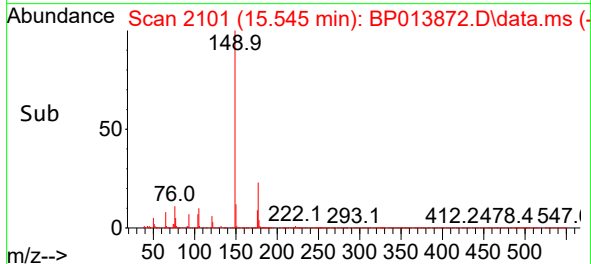
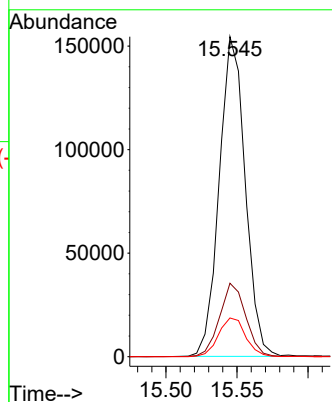
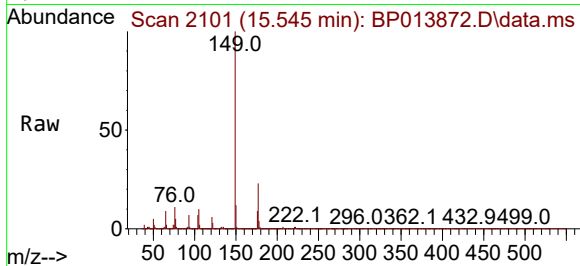




#59
Diethylphthalate
Concen: 4.106 ng/ul
RT: 15.545 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

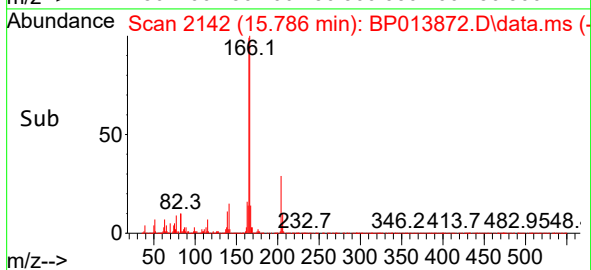
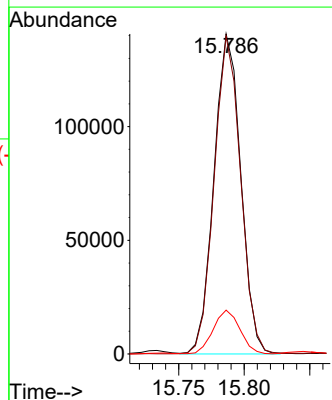
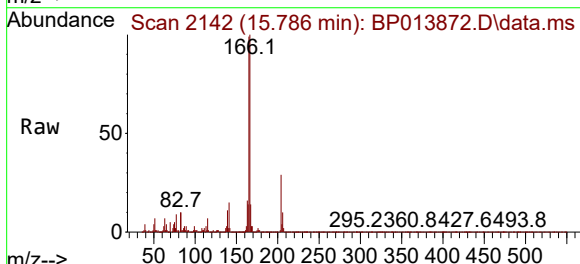
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

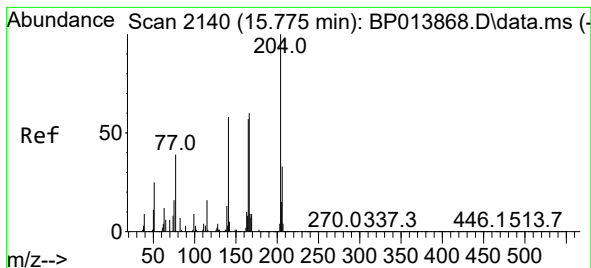
Tgt Ion:149 Resp: 196142
Ion Ratio Lower Upper
149 100
177 23.0 17.8 26.8
150 12.1 10.1 15.1



#61
Fluorene
Concen: 4.363 ng/ul
RT: 15.786 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:166 Resp: 200066
Ion Ratio Lower Upper
166 100
165 99.3 79.1 118.7
167 13.7 10.8 16.2

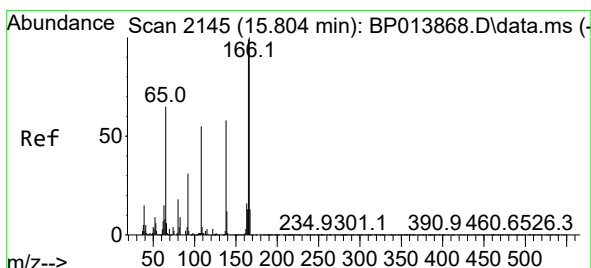
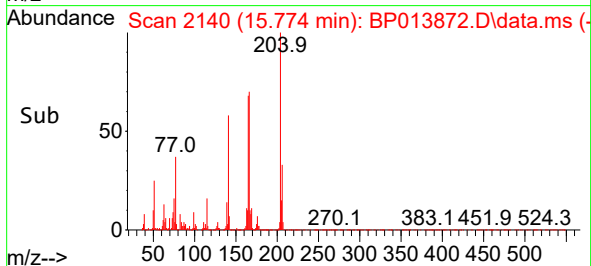
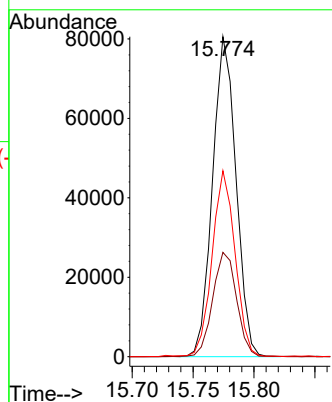
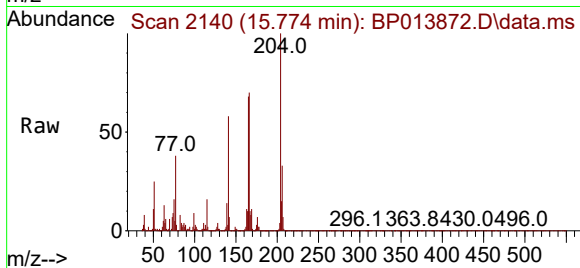




#62
4-Chlorophenyl-phenylether
Concen: 4.516 ng/ul
RT: 15.774 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

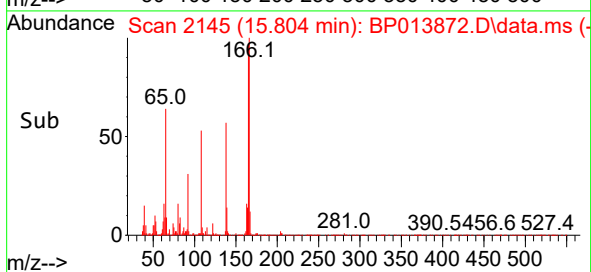
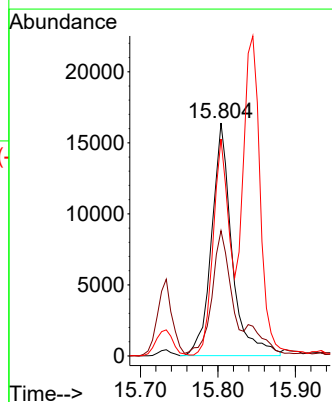
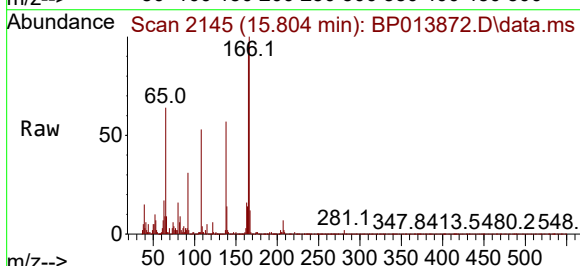
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

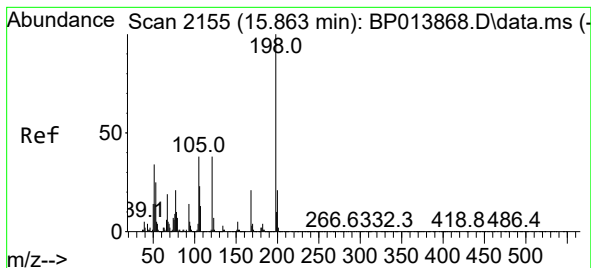
Tgt Ion:204 Resp: 107685
Ion Ratio Lower Upper
204 100
206 32.6 26.7 40.1
141 58.1 44.6 66.8



#63
4-Nitroaniline
Concen: 3.834 ng/ul
RT: 15.804 min Scan# 2145
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:138 Resp: 29838
Ion Ratio Lower Upper
138 100
92 53.8 43.8 65.8
108 93.1 69.8 104.6

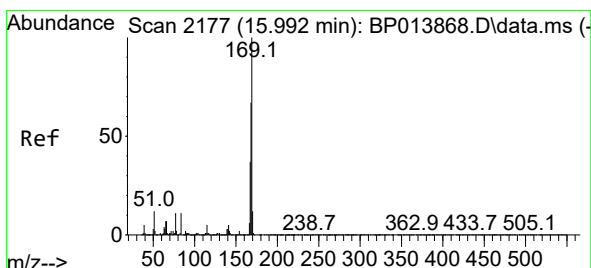
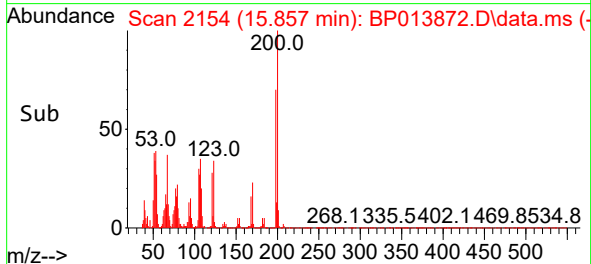
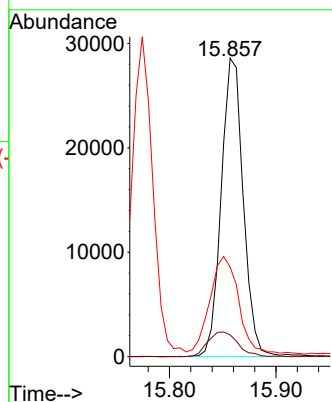
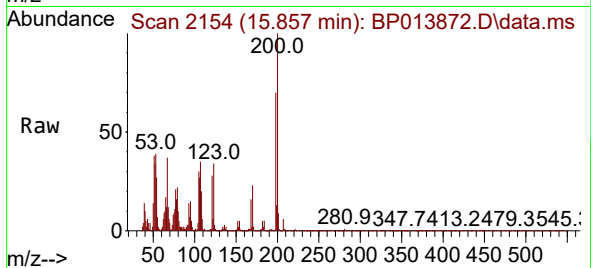




#66
4,6-Dinitro-2-methylphenol
Concen: 4.952 ng/ul
RT: 15.857 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

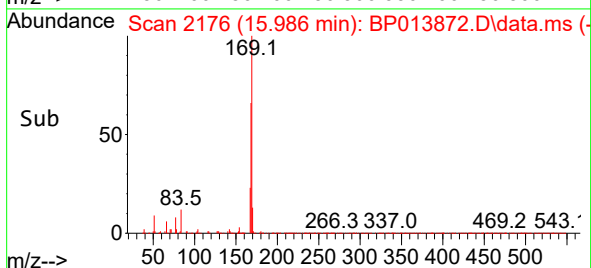
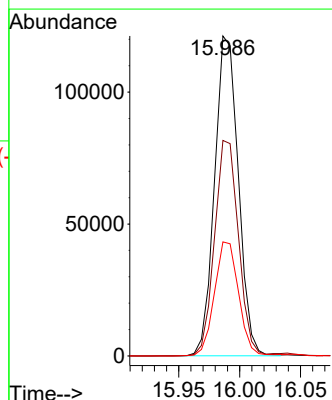
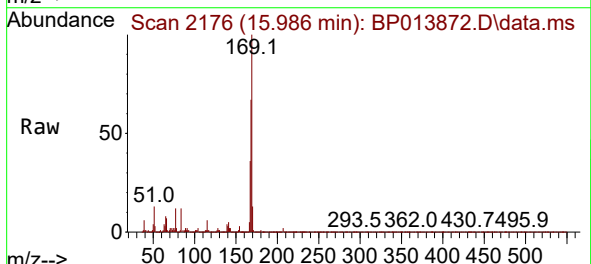
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

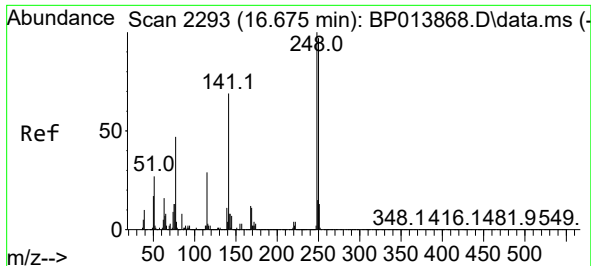
Tgt Ion:198 Resp: 40989
Ion Ratio Lower Upper
198 100
182 7.3 4.1 6.1#
77 30.1 20.3 30.5



#67
N-Nitrosodiphenylamine
Concen: 4.399 ng/ul
RT: 15.986 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:169 Resp: 164546
Ion Ratio Lower Upper
169 100
168 67.4 53.5 80.3
167 35.7 29.8 44.6

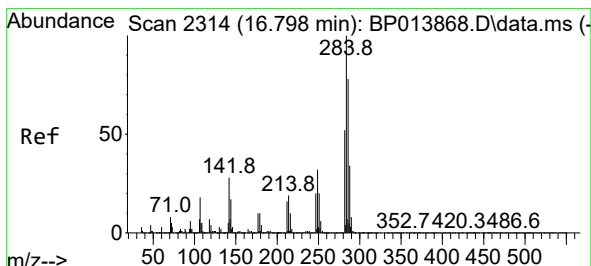
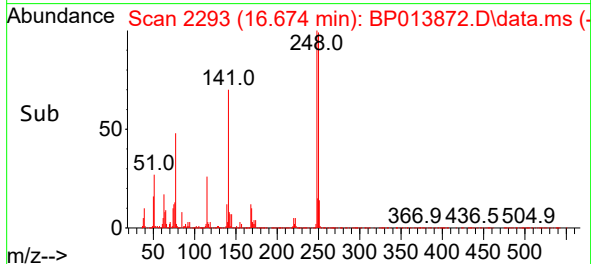
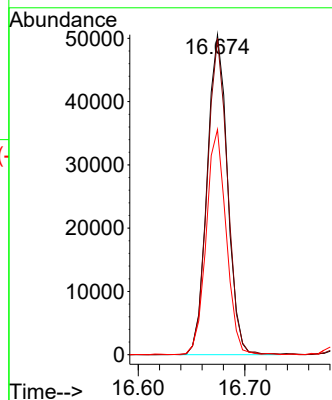
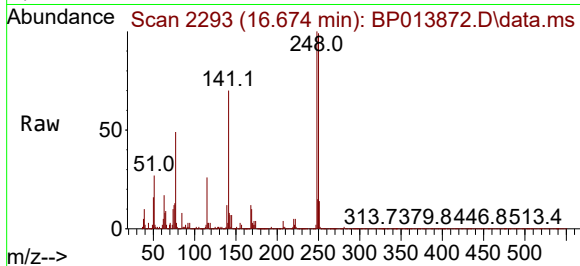




#68
4-Bromophenyl-phenylether
Concen: 4.624 ng/ul
RT: 16.674 min Scan# 2293
Delta R.T. -0.000 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

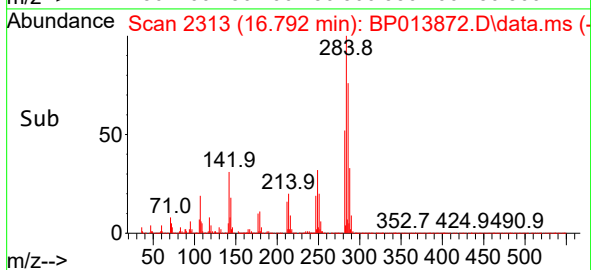
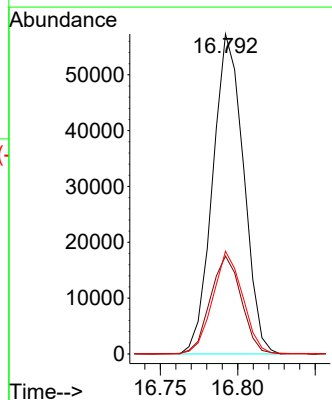
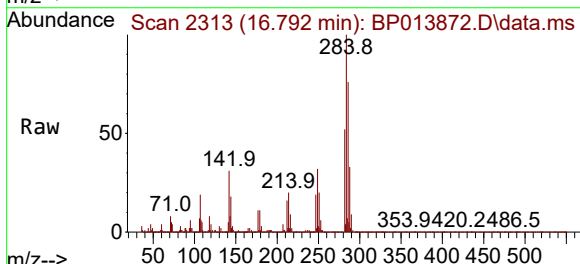
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

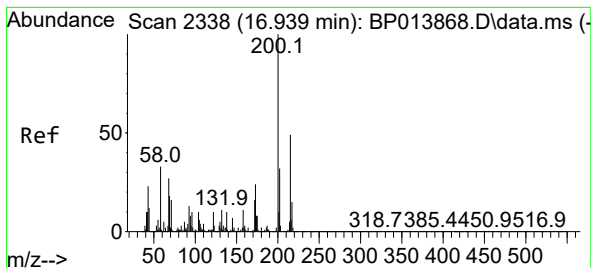
Tgt Ion:	248	Resp:	67204
Ion Ratio	Lower	Upper	
248	100		
250	98.9	76.0	114.0
141	70.4	56.0	84.0



#69
Hexachlorobenzene
Concen: 4.689 ng/ul
RT: 16.792 min Scan# 2313
Delta R.T. -0.006 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:	284	Resp:	79415
Ion Ratio	Lower	Upper	
284	100		
142	30.6	25.0	37.4
249	32.1	24.9	37.3





#70

Atrazine

Concen: 4.420 ng/ul

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

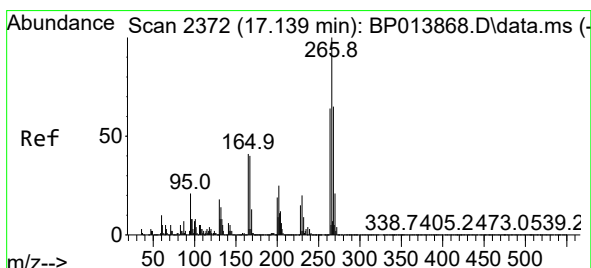
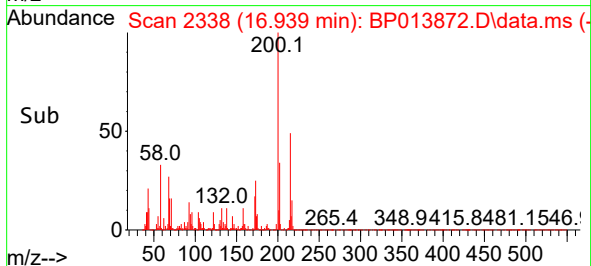
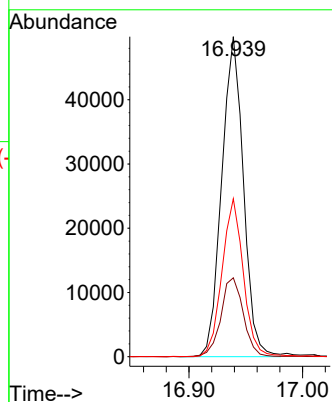
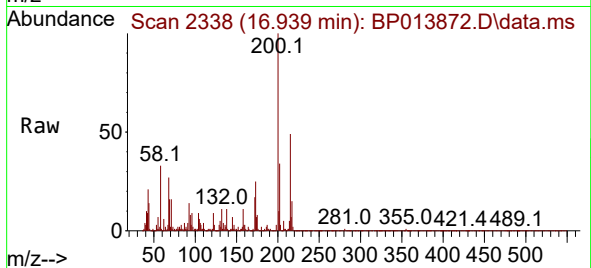
Tgt Ion:200 Resp: 66121

Ion Ratio Lower Upper

200 100

173 24.7 20.4 30.6

215 49.4 39.3 58.9



#71

Pentachlorophenol

Concen: 4.521 ng/ul

RT: 17.139 min Scan# 2372

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

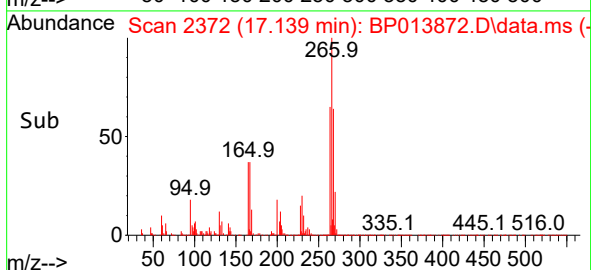
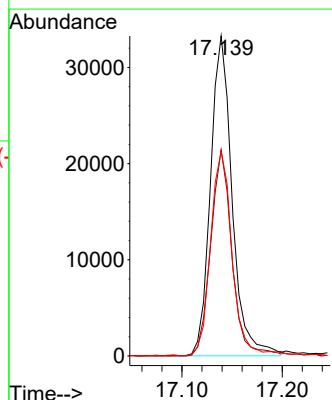
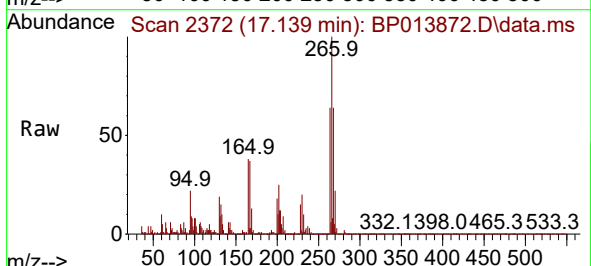
Tgt Ion:266 Resp: 49819

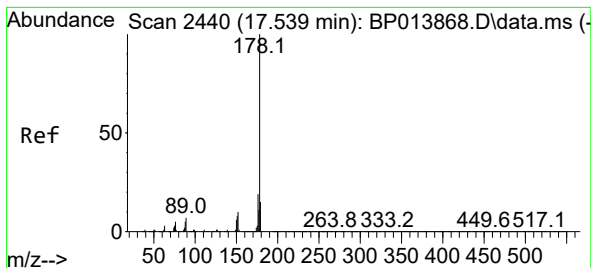
Ion Ratio Lower Upper

266 100

264 64.5 50.5 75.7

268 63.9 51.0 76.6





#72

Phenanthrene

Concen: 4.247 ng/ul

RT: 17.539 min Scan# 2440

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

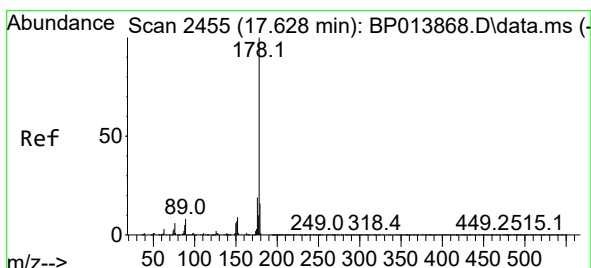
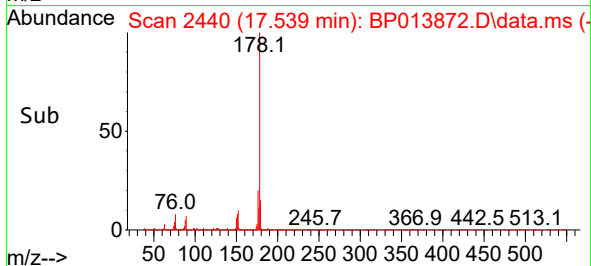
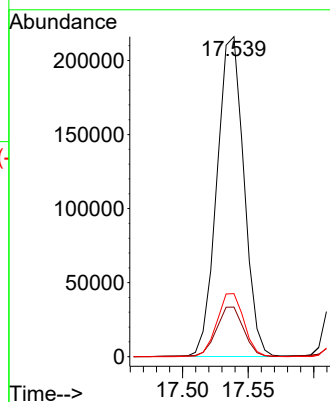
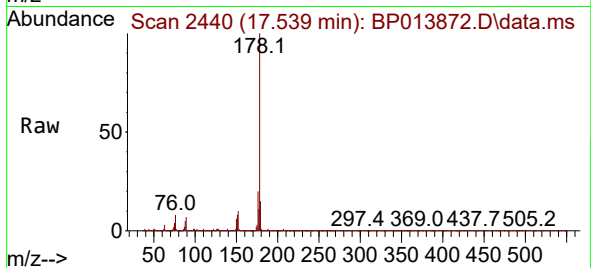
Tgt Ion:178 Resp: 309323

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

176 19.7 15.2 22.8



#74

Anthracene

Concen: 4.155 ng/ul

RT: 17.627 min Scan# 2455

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

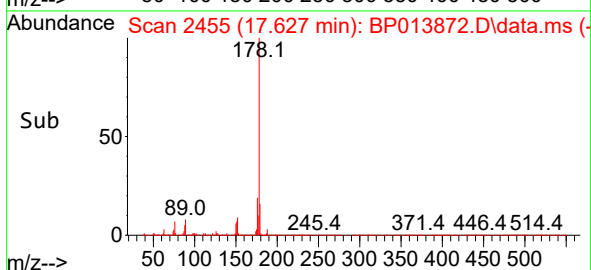
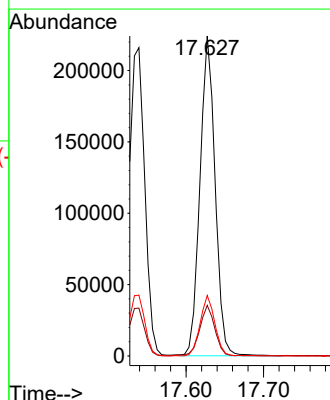
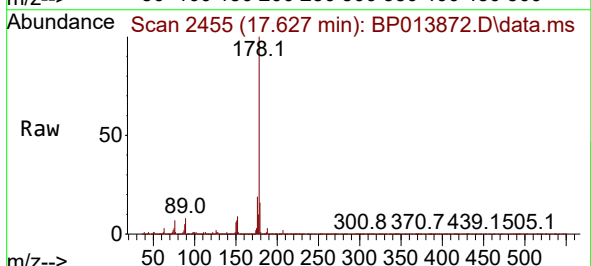
Tgt Ion:178 Resp: 304404

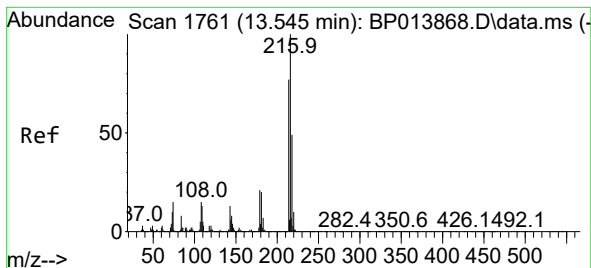
Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

176 18.9 15.0 22.4





#75

1,2,3,4-Tetrachlorobenzene

Concen: 4.483 ng/uL

RT: 13.545 min Scan# 1761

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

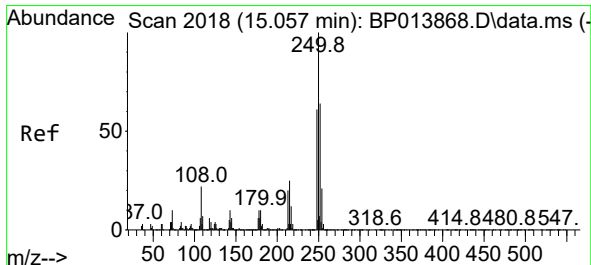
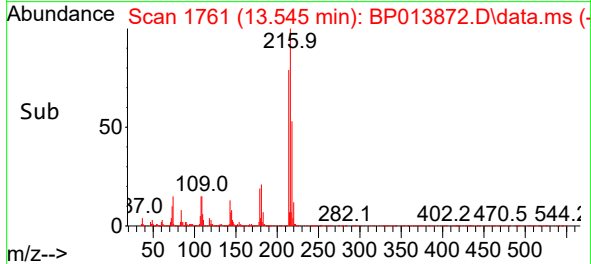
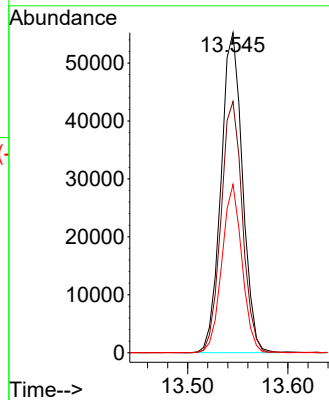
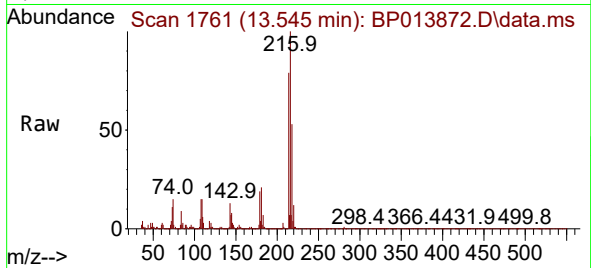
Tgt Ion:216 Resp: 82359

Ion Ratio Lower Upper

216 100

214 78.5 62.6 94.0

218 52.6 39.0 58.4



#76

Pentachlorobenzene

Concen: 4.318 ng/uL

RT: 15.057 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

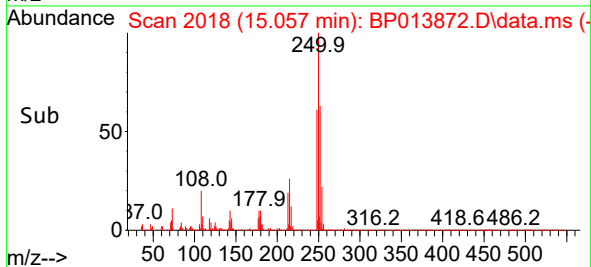
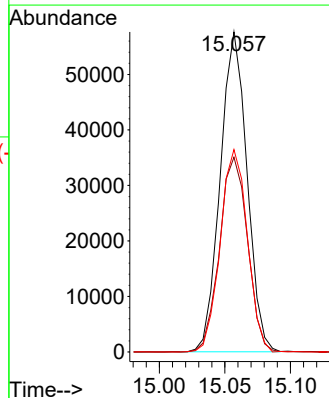
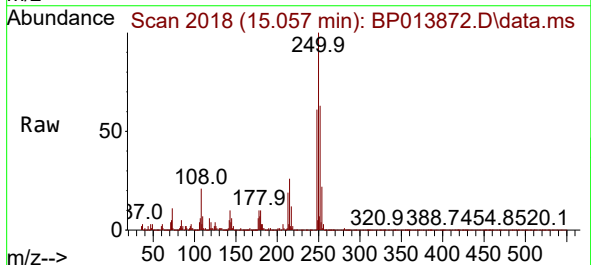
Tgt Ion:250 Resp: 81870

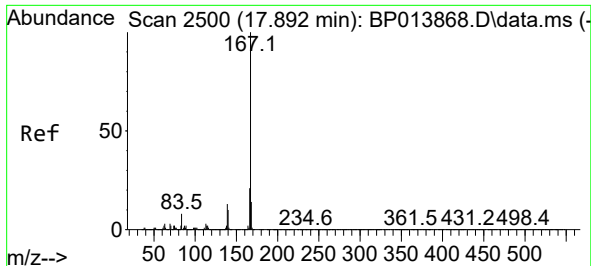
Ion Ratio Lower Upper

250 100

248 60.8 51.1 76.7

252 63.3 51.0 76.6

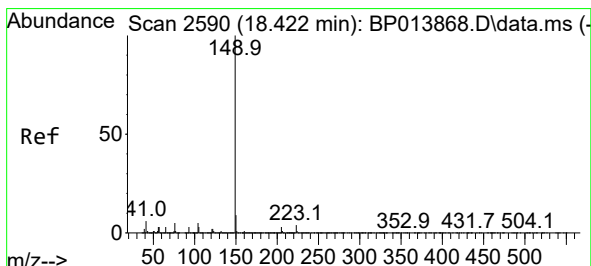
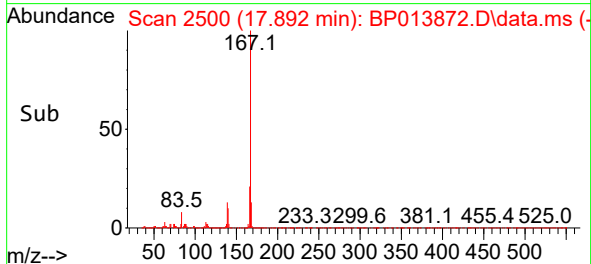
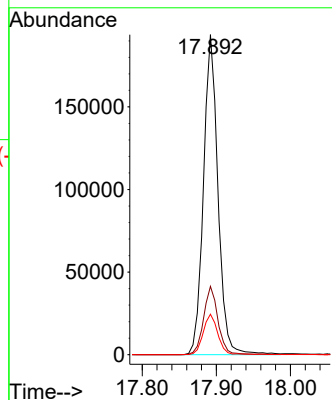
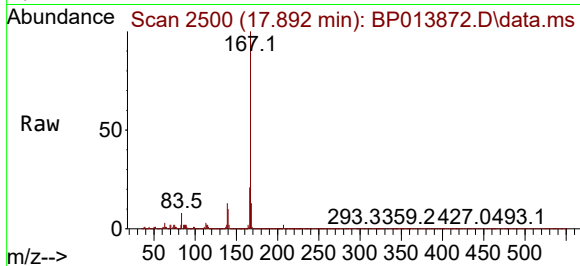




#77
 Carbazole
 Concen: 4.084 ng/ul
 RT: 17.892 min Scan# 2500
 Delta R.T. -0.006 min
 Lab File: BP013872.D
 Acq: 22 Feb 2023 11:51

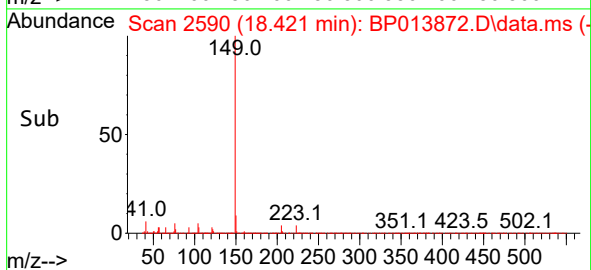
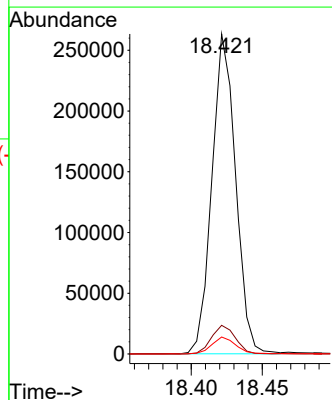
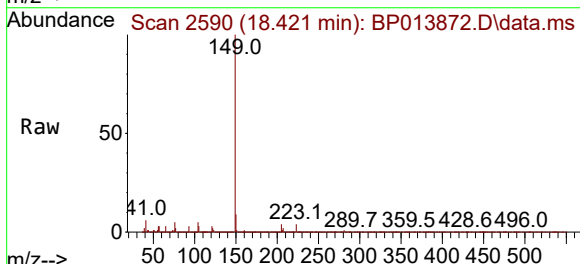
Instrument : BNA_P
 ClientSampleId : MDL-MED-SOIL-QT1-2023-02

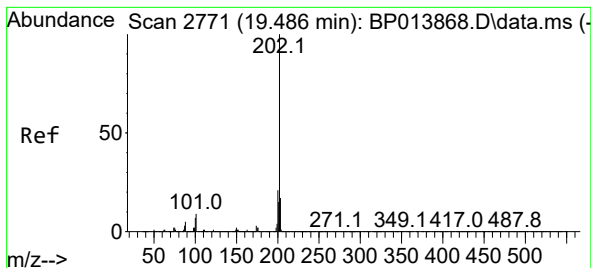
Tgt Ion:167	Resp: 263620
Ion Ratio	Lower Upper
167 100	
166 21.3	17.3 25.9
139 12.6	10.4 15.6



#78
 Di-n-butylphthalate
 Concen: 3.904 ng/ul
 RT: 18.421 min Scan# 2590
 Delta R.T. -0.006 min
 Lab File: BP013872.D
 Acq: 22 Feb 2023 11:51

Tgt Ion:149	Resp: 305637
Ion Ratio	Lower Upper
149 100	
150 8.9	7.1 10.7
104 5.3	4.1 6.1





#80

Fluoranthene

Concen: 4.666 ng/ul

RT: 19.486 min Scan# 2771

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

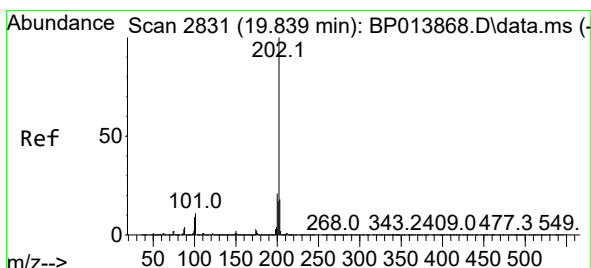
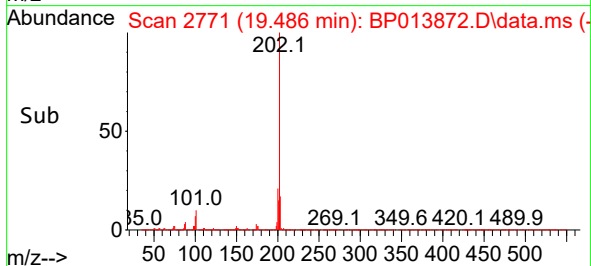
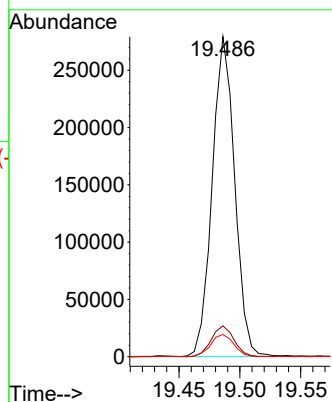
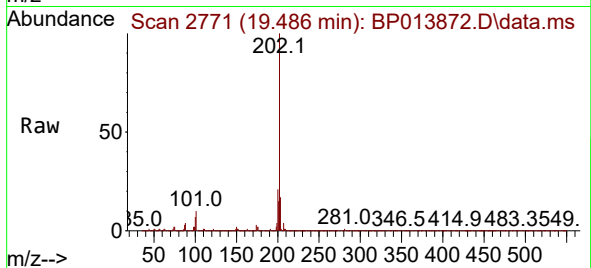
Tgt Ion:202 Resp: 358963

Ion Ratio Lower Upper

202 100

101 9.7 8.6 12.8

100 6.9 6.3 9.5



#82

Pyrene

Concen: 4.622 ng/ul

RT: 19.839 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

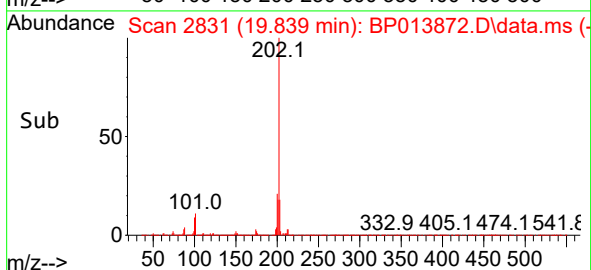
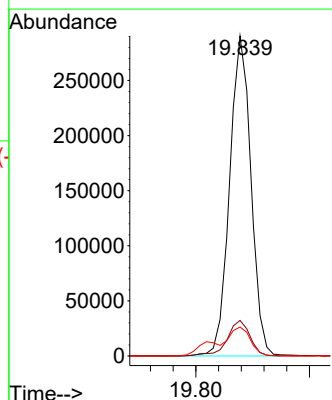
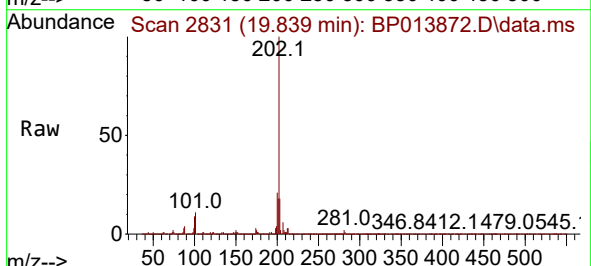
Tgt Ion:202 Resp: 379123

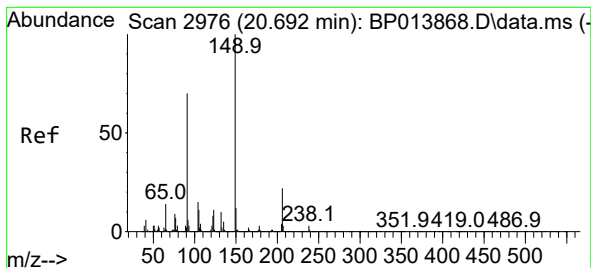
Ion Ratio Lower Upper

202 100

101 11.1 10.3 15.5

100 9.1 8.5 12.7





#83

Butylbenzylphthalate

Concen: 4.221 ng/ul

RT: 20.692 min Scan# 2976

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

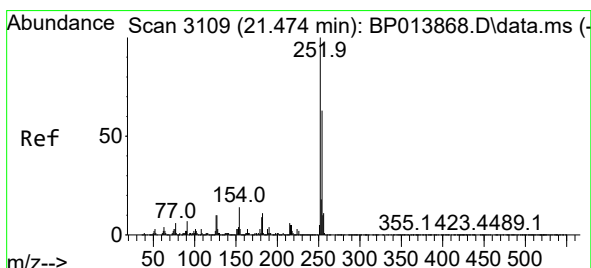
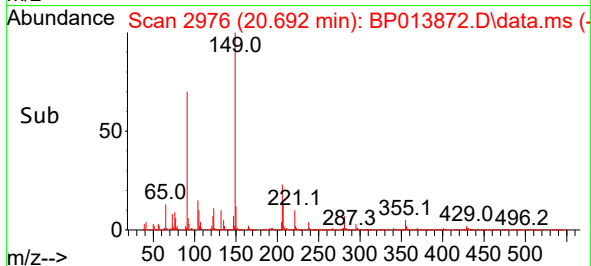
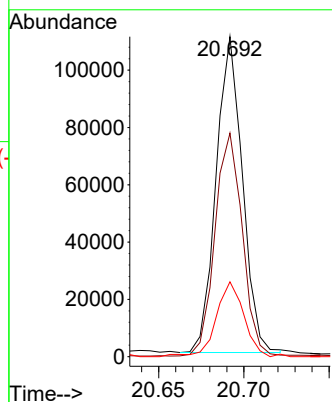
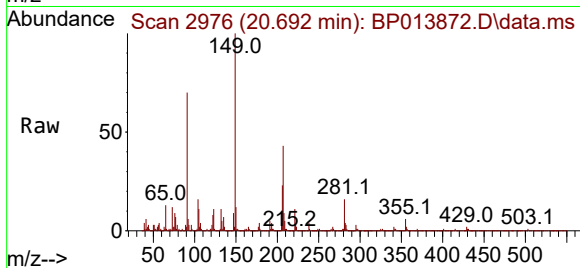
Tgt Ion:149 Resp: 118484

Ion Ratio Lower Upper

149 100

91 69.8 57.7 86.5

206 23.4 16.7 25.1



#84

3,3'-Dichlorobenzidine

Concen: 3.475 ng/ul

RT: 21.474 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

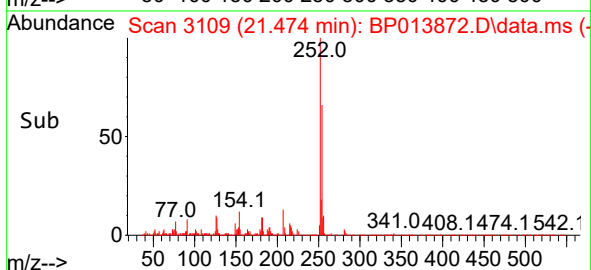
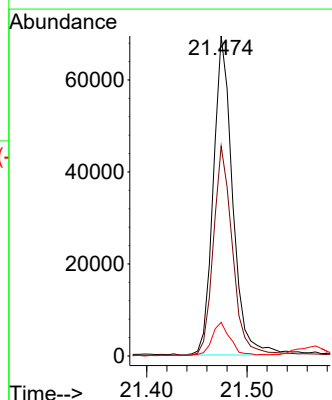
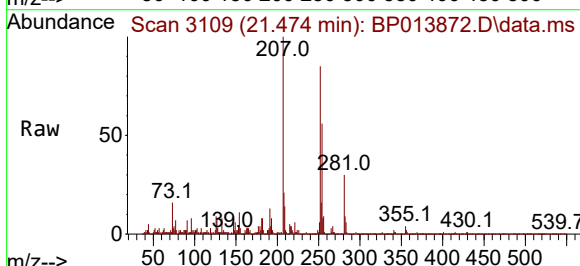
Tgt Ion:252 Resp: 92670

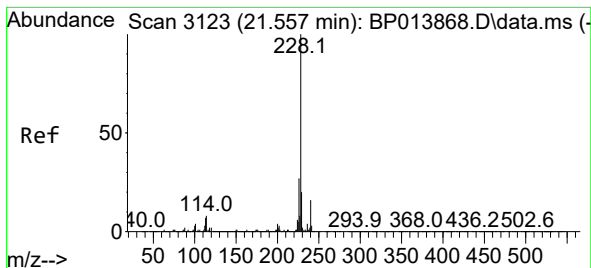
Ion Ratio Lower Upper

252 100

254 65.6 51.8 77.6

126 10.5 7.9 11.9





#85

Benzo(a)anthracene

Concen: 4.201 ng/ul

RT: 21.551 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

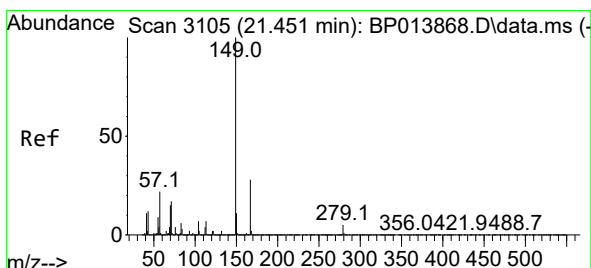
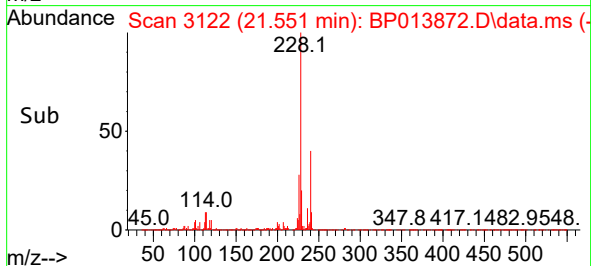
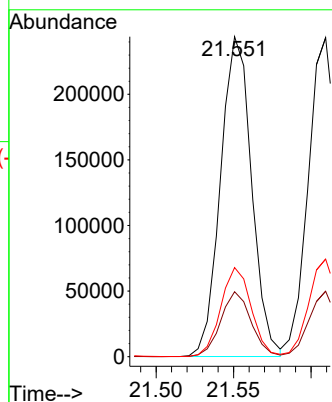
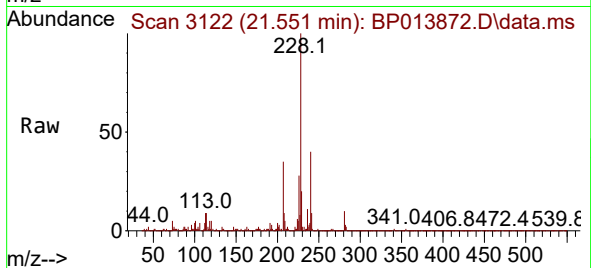
Tgt Ion:228 Resp: 340192

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.2

226 27.9 21.8 32.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.909 ng/ul

RT: 21.451 min Scan# 3105

Delta R.T. -0.000 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

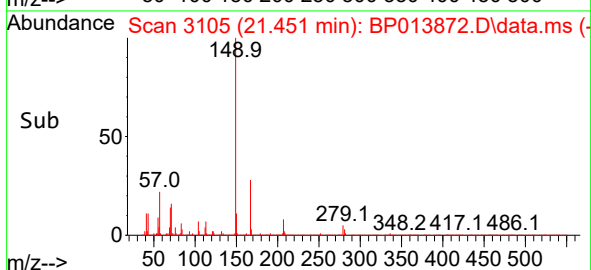
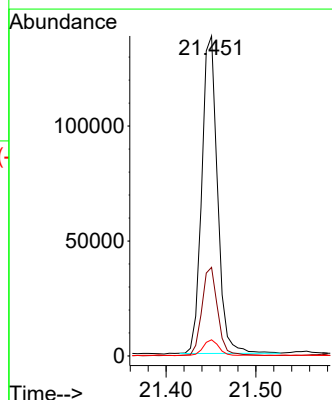
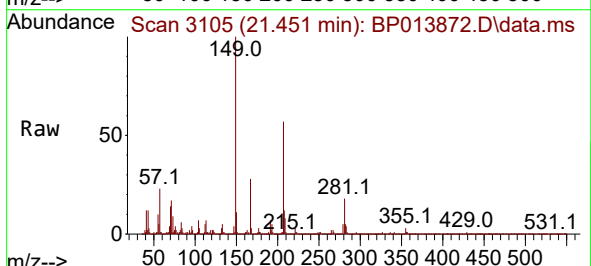
Tgt Ion:149 Resp: 168044

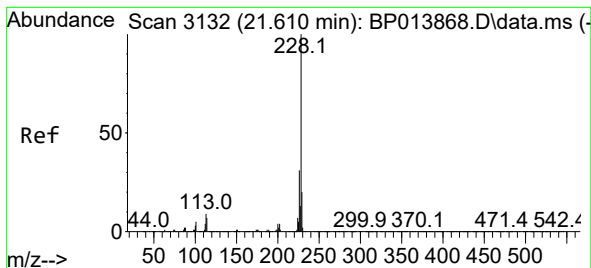
Ion Ratio Lower Upper

149 100

167 27.7 21.5 32.3

279 5.1 3.2 4.8#





#87

Chrysene

Concen: 4.311 ng/ul

RT: 21.609 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

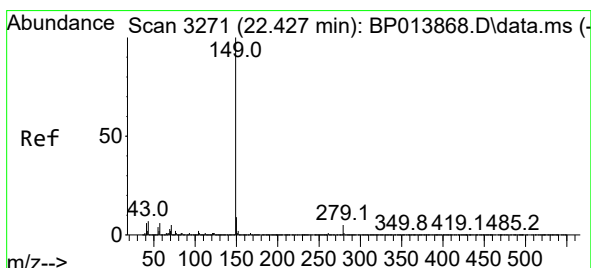
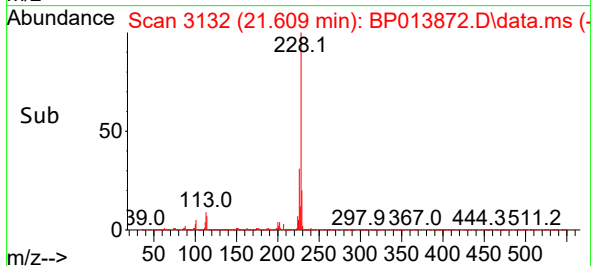
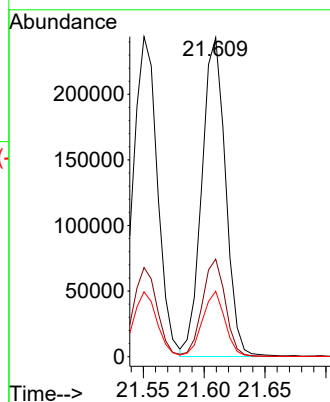
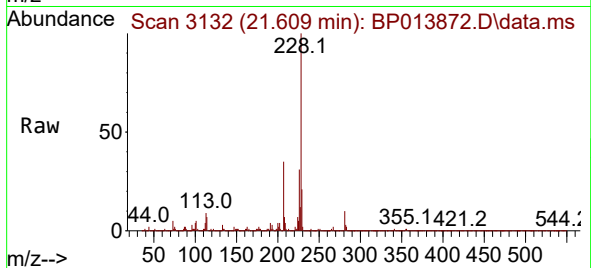
Tgt Ion:228 Resp: 329320

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 20.5 16.4 24.6



#89

Di-n-octyl phthalate

Concen: 3.340 ng/ul

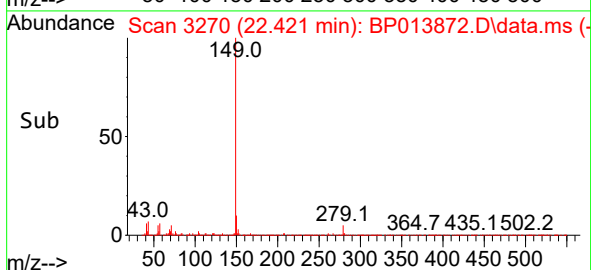
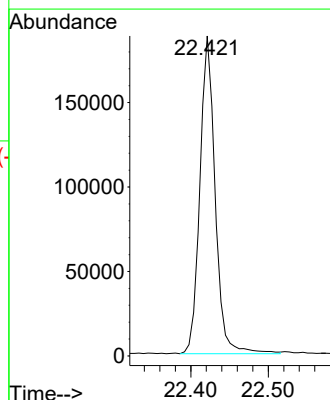
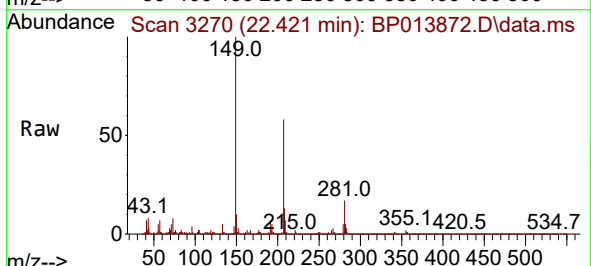
RT: 22.421 min Scan# 3270

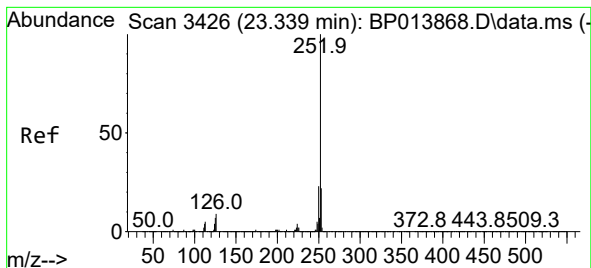
Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Tgt Ion:149 Resp: 257669





#90

Benzo(b)fluoranthene

Concen: 4.168 ng/ul

RT: 23.333 min Scan# 3426

Delta R.T. -0.006 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

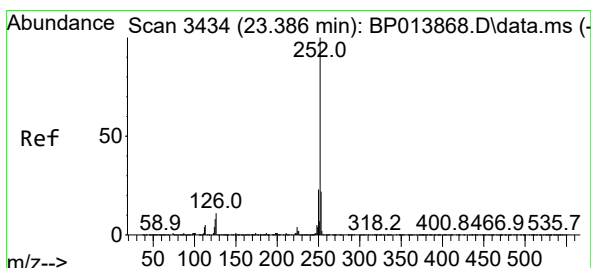
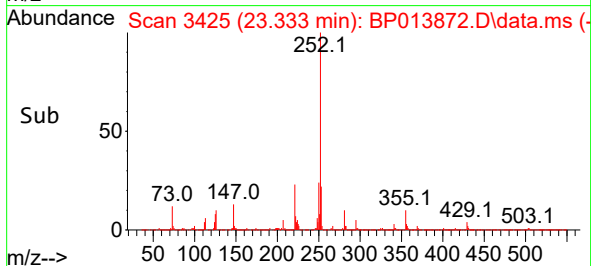
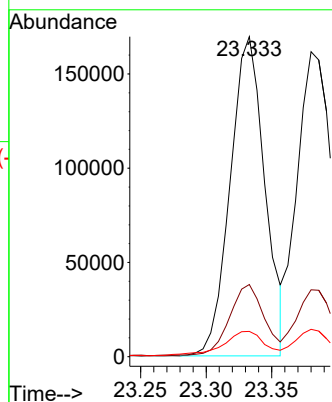
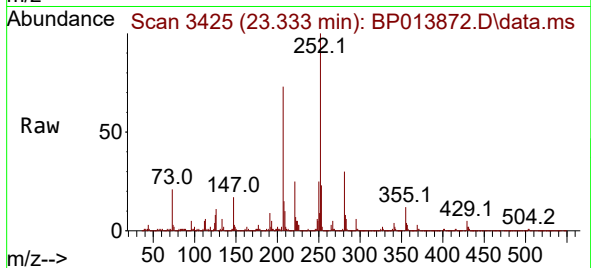
Tgt Ion:252 Resp: 311602

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 7.9 7.8 11.6



#91

Benzo(k)fluoranthene

Concen: 4.138 ng/ul

RT: 23.380 min Scan# 3433

Delta R.T. -0.012 min

Lab File: BP013872.D

Acq: 22 Feb 2023 11:51

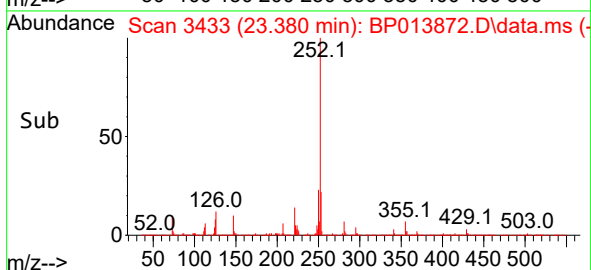
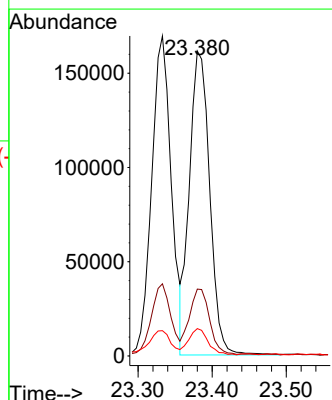
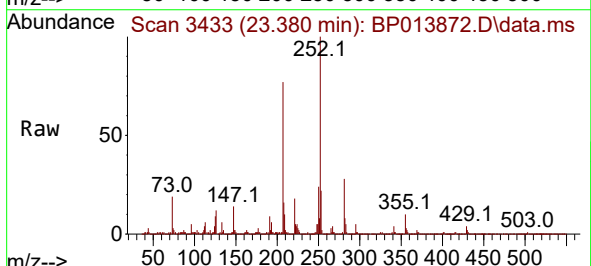
Tgt Ion:252 Resp: 306922

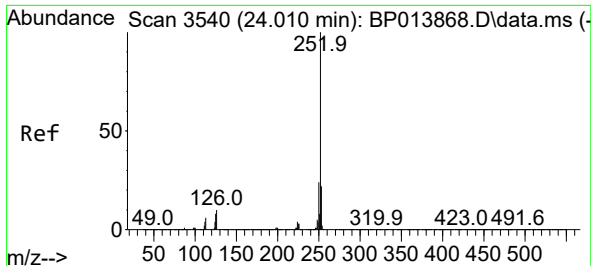
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 9.0 7.2 10.8

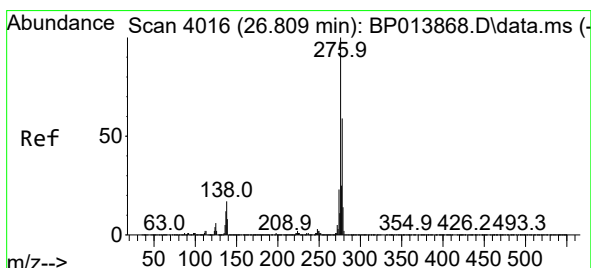
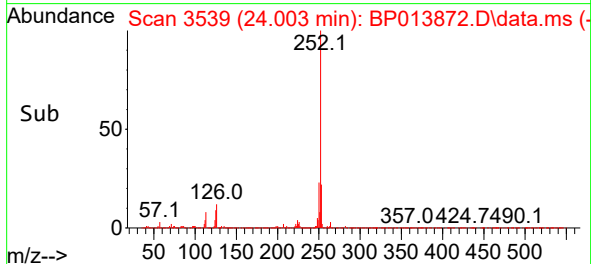
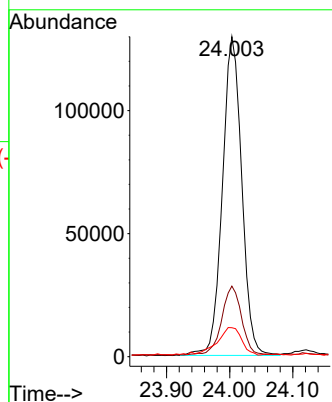
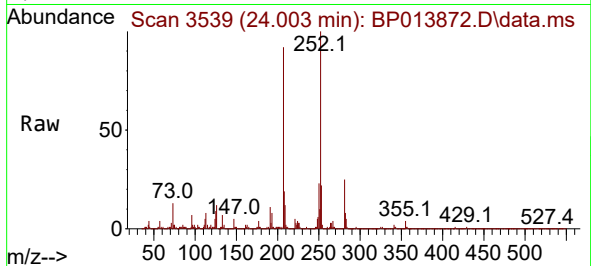




#93
Benzo(a)pyrene
Concen: 4.352 ng/ul
RT: 24.003 min Scan# 3539
Delta R.T. -0.012 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

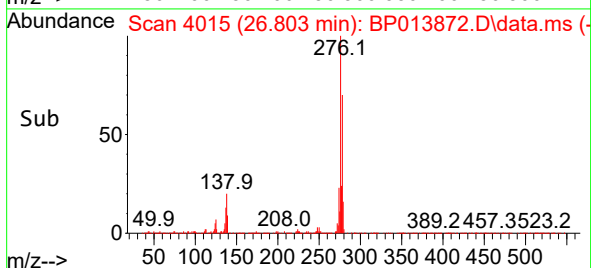
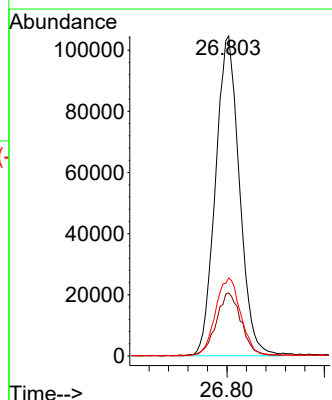
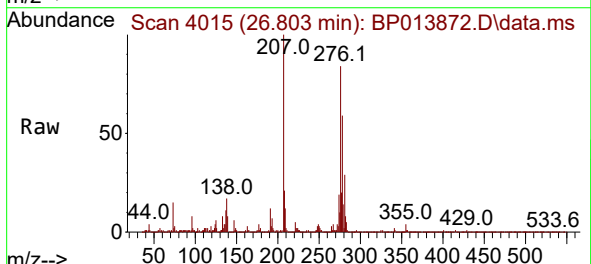
Instrument : BNA_P
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

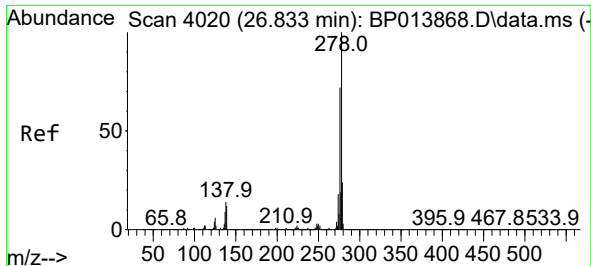
Tgt Ion:252 Resp: 275721
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 9.1 8.2 12.2



#94
Indeno(1,2,3-cd)pyrene
Concen: 5.023 ng/ul
RT: 26.803 min Scan# 4015
Delta R.T. -0.018 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:276 Resp: 356956
Ion Ratio Lower Upper
276 100
138 19.7 18.4 27.6
277 24.4 19.7 29.5

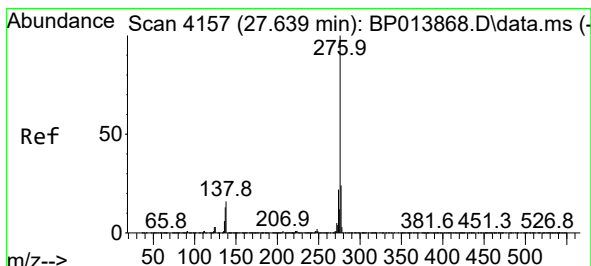
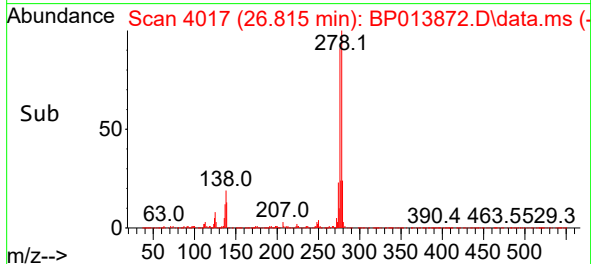
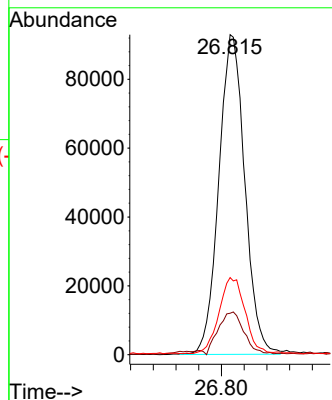
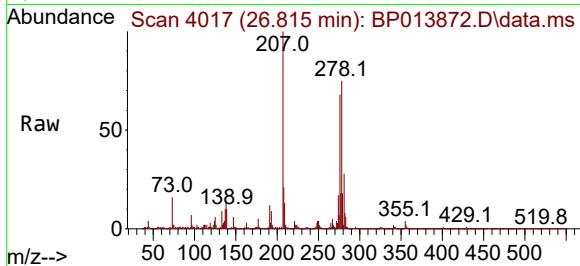




#95
Dibenzo(a,h)anthracene
Concen: 4.971 ng/ul
RT: 26.815 min Scan# 4017
Delta R.T. -0.024 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

Tgt Ion:278 Resp: 295097
Ion Ratio Lower Upper
278 100
139 12.9 12.0 18.0
279 24.1 18.9 28.3



#96
Benzo(g,h,i)perylene
Concen: 5.126 ng/ul
RT: 27.627 min Scan# 4155
Delta R.T. -0.030 min
Lab File: BP013872.D
Acq: 22 Feb 2023 11:51

Tgt Ion:276 Resp: 290052
Ion Ratio Lower Upper
276 100
138 17.5 15.9 23.9
277 23.9 19.0 28.6

