

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039018.D
 Acq On : 16 Mar 2023 15:31
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 17 06:16:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 06:13:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	357172	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	1532948	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	943643	20.000	ng	0.00
64) Phenanthrene-d10	17.363	188	1923415	20.000	ng	0.00
76) Chrysene-d12	21.545	240	1581669	20.000	ng	0.00
86) Perylene-d12	23.986	264	1492991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2173422	92.450	ng	0.00
7) Phenol-d6	7.134	99	2993715	98.039	ng	0.00
23) Nitrobenzene-d5	9.146	82	2236231	71.657	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	1066548	97.701	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4704270	64.897	ng	0.00
79) Terphenyl-d14	19.986	244	6480528	74.912	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	78644	7.519	ng	97
3) Pyridine	3.805	79	295410	10.184	ng	95
4) n-Nitrosodimethylamine	3.711	42	135428	11.474	ng	# 96
6) Aniline	7.299	93	474498	11.835	ng	98
8) 2-Chlorophenol	7.534	128	287752	11.497	ng	96
9) Benzaldehyde	7.110	77	196390	13.515	ng	99
10) Phenol	7.158	94	380664	11.739	ng	97
11) bis(2-Chloroethyl)ether	7.399	93	314937	11.945	ng	98
12) 1,3-Dichlorobenzene	7.863	146	310760	11.683	ng	98
13) 1,4-Dichlorobenzene	8.010	146	313531	11.590	ng	99
14) 1,2-Dichlorobenzene	8.334	146	310755	11.926	ng	99
15) Benzyl Alcohol	8.216	79	269154	12.297	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.505	45	443892	13.331	ng	98
17) 2-Methylphenol	8.416	107	247986	11.133	ng	99
18) Hexachloroethane	9.063	117	116498	11.672	ng	100
19) n-Nitroso-di-n-propyla...	8.787	70	265609	13.810	ng	97
20) 3+4-Methylphenols	8.746	107	334219	11.237	ng	99
22) Acetophenone	8.804	105	356353	8.286	ng	# 99
24) Nitrobenzene	9.187	77	383504	11.692	ng	99
25) Isophorone	9.710	82	703617	12.252	ng	98
26) 2-Nitrophenol	9.899	139	144362	11.137	ng	97
27) 2,4-Dimethylphenol	9.957	122	284969	11.388	ng	95
28) bis(2-Chloroethoxy)met...	10.199	93	441966	11.977	ng	99
29) 2,4-Dichlorophenol	10.434	162	252666	10.650	ng	99
30) 1,2,4-Trichlorobenzene	10.651	180	276062	10.649	ng	100
31) Naphthalene	10.840	128	961212	10.996	ng	99
32) Benzoic acid	10.040	122	143742	8.672	ng	97
33) 4-Chloroaniline	10.951	127	409235	10.986	ng	97
34) Hexachlorobutadiene	11.128	225	155008	10.427	ng	95
35) Caprolactam	11.728	113	78592	10.885	ng	97
36) 4-Chloro-3-methylphenol	12.069	107	302055	11.957	ng	96
37) 2-Methylnaphthalene	12.445	142	657979	11.231	ng	99
38) 1-Methylnaphthalene	12.669	142	616844	11.235	ng	100
40) 1,2,4,5-Tetrachloroben...	12.810	216	212263	6.919	ng	99
41) Hexachlorocyclopentadiene	12.792	237	187109	11.112	ng	99
43) 2,4,6-Trichlorophenol	13.051	196	198774	10.006	ng	98

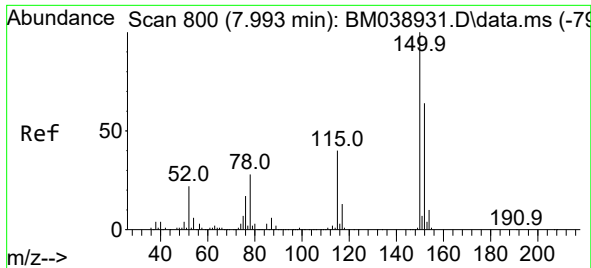
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 QLast Update : Fri Mar 17 06:13:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	219967	9.460	ng	98
46) 1,1'-Biphenyl	13.451	154	622618	7.788	ng	99
47) 2-Chloronaphthalene	13.498	162	656830	10.896	ng	99
48) 2-Nitroaniline	13.698	65	194476	11.234	ng	99
49) Acenaphthylene	14.339	152	1036909	10.799	ng	100
50) Dimethylphthalate	14.075	163	819112	11.281	ng	100
51) 2,6-Dinitrotoluene	14.192	165	165507	11.210	ng	92
52) Acenaphthene	14.681	154	643518	10.905	ng	99
53) 3-Nitroaniline	14.522	138	184035	10.753	ng	96
54) 2,4-Dinitrophenol	14.722	184	89063	11.195	ng	97
55) Dibenzofuran	15.016	168	1019361	11.039	ng	99
56) 4-Nitrophenol	14.816	139	196084	13.597	ng	93
57) 2,4-Dinitrotoluene	14.975	165	213616	11.298	ng	92
58) Fluorene	15.663	166	815230	11.270	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.239	232	195578	10.906	ng	97
60) Diethylphthalate	15.433	149	826647	11.700	ng	98
61) 4-Chlorophenyl-phenyle...	15.657	204	387927	10.916	ng	96
62) 4-Nitroaniline	15.681	138	190422	11.149	ng	99
63) Azobenzene	15.951	77	889442	11.898	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	122294	10.620	ng	94
66) n-Nitrosodiphenylamine	15.869	169	683387	10.539	ng	98
67) 4-Bromophenyl-phenylether	16.551	248	216549	10.424	ng	93
68) Hexachlorobenzene	16.663	284	253955	10.935	ng	97
69) Atrazine	16.822	200	149042	8.415	ng	98
70) Pentachlorophenol	17.004	266	168291	9.852	ng	99
71) Phenanthrene	17.404	178	1235398	10.944	ng	99
72) Anthracene	17.492	178	1219233	10.830	ng	99
73) Carbazole	17.763	167	1139788	11.094	ng	99
74) Di-n-butylphthalate	18.333	149	1333943	11.688	ng	99
75) Fluoranthene	19.416	202	1289986	10.823	ng	99
77) Benzidine	19.604	184	415462	12.603	ng	99
78) Pyrene	19.780	202	1344538	11.318	ng	99
80) Butylbenzylphthalate	20.674	149	515590	11.686	ng	93
81) Benzo(a)anthracene	21.527	228	1233397	10.828	ng	99
82) 3,3'-Dichlorobenzidine	21.462	252	295362	8.437	ng	99
83) Chrysene	21.580	228	1161088	10.481	ng	100
84) Bis(2-ethylhexyl)phtha...	21.457	149	752733	11.625	ng	99
85) Di-n-octyl phthalate	22.398	149	1139073	10.187	ng	97
87) Indeno(1,2,3-cd)pyrene	26.521	276	1114580	9.811	ng	98
88) Benzo(b)fluoranthene	23.239	252	1109145	11.628	ng	99
89) Benzo(k)fluoranthene	23.286	252	1084886	10.929	ng	99
90) Benzo(a)pyrene	23.874	252	895916	9.760	ng	100
91) Dibenzo(a,h)anthracene	26.539	278	951189	9.887	ng	97
92) Benzo(g,h,i)perylene	27.297	276	893703	9.495	ng	97

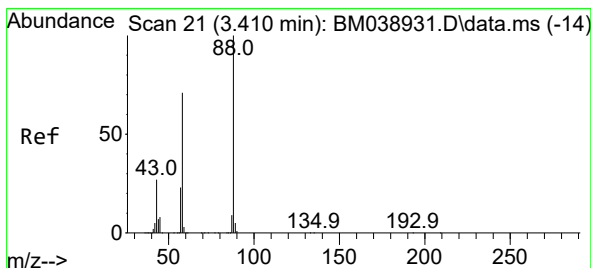
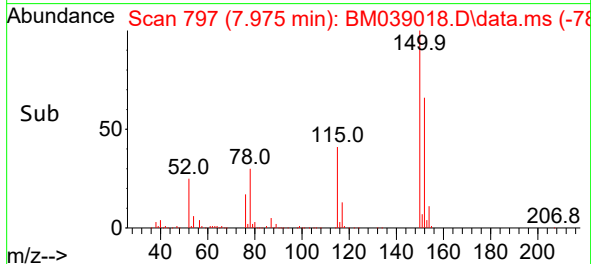
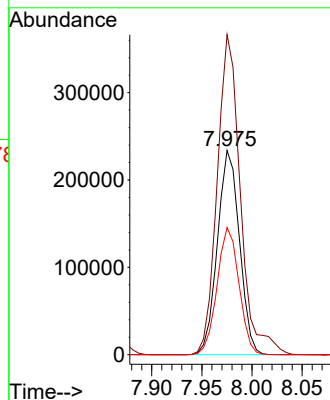
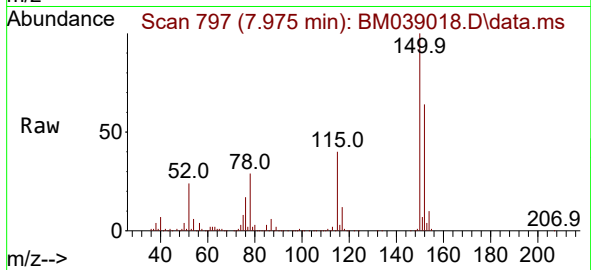
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

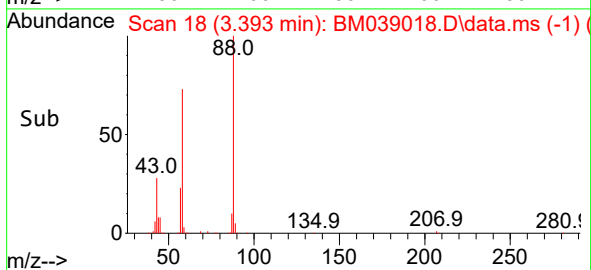
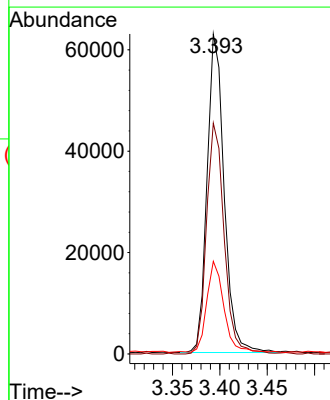
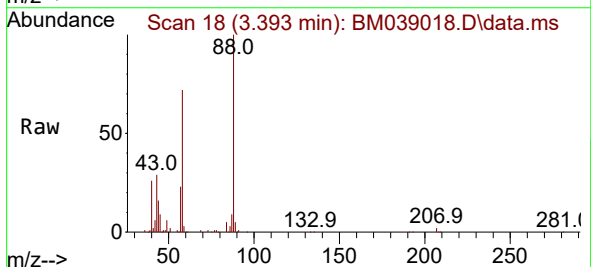
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

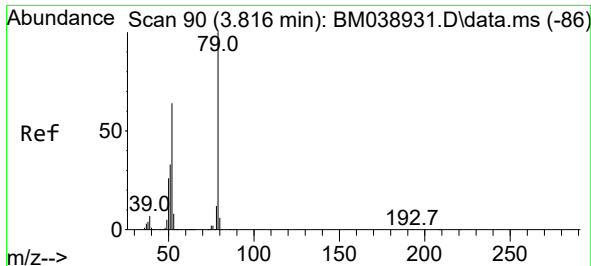
Tgt Ion:152 Resp: 357172
Ion Ratio Lower Upper
152 100
150 156.7 125.1 187.7
115 62.3 49.6 74.4



#2
1,4-Dioxane
Concen: 7.519 ng
RT: 3.393 min Scan# 18
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion: 88 Resp: 78644
Ion Ratio Lower Upper
88 100
58 74.6 57.2 85.8
43 28.6 22.0 33.0

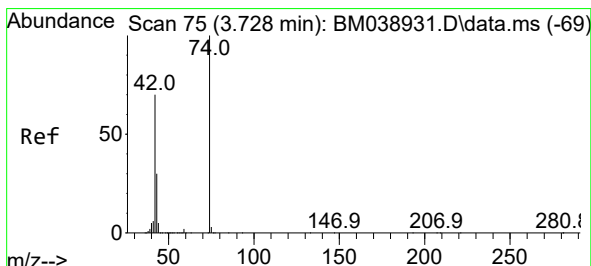
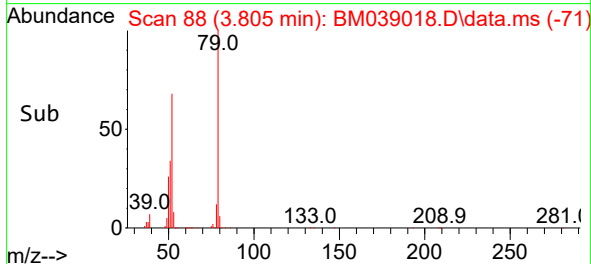
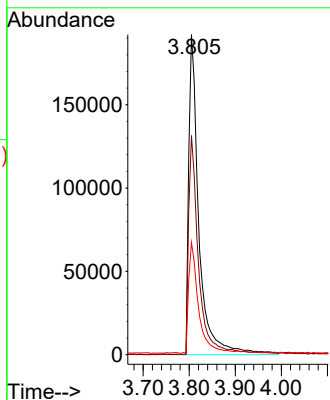
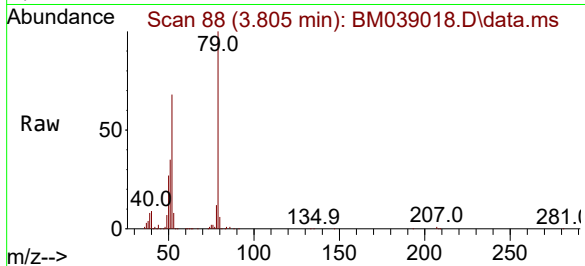




#3
 Pyridine
 Concen: 10.184 ng
 RT: 3.805 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM039018.D
 Acq: 16 Mar 2023 15:31

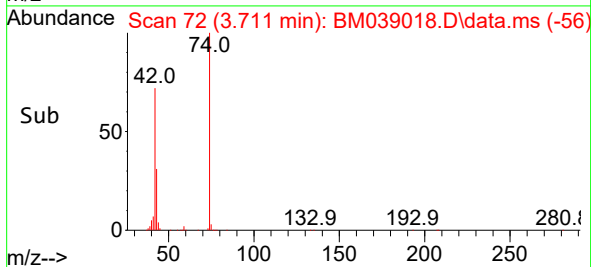
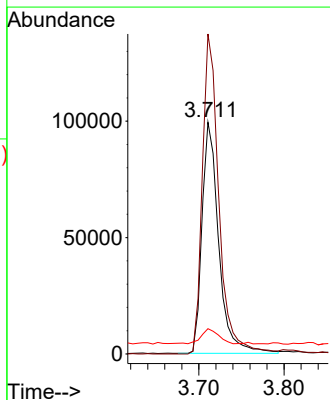
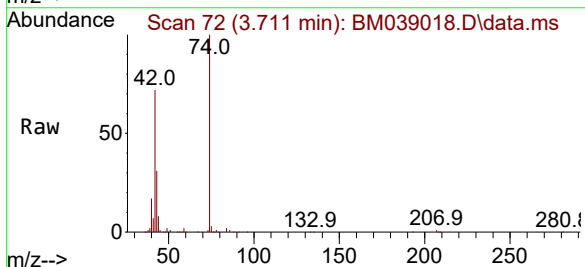
Instrument :
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 ClientSampleId :
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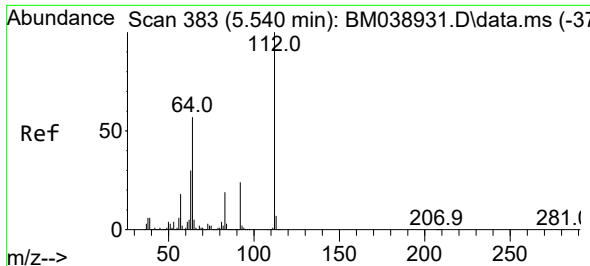
Tgt Ion: 79 Resp: 295410
 Ion Ratio Lower Upper
 79 100
 52 68.4 51.4 77.2
 51 35.1 26.6 40.0



#4
 n-Nitrosodimethylamine
 Concen: 11.474 ng
 RT: 3.711 min Scan# 72
 Delta R.T. -0.006 min
 Lab File: BM039018.D
 Acq: 16 Mar 2023 15:31

Tgt Ion: 42 Resp: 135428
 Ion Ratio Lower Upper
 42 100
 74 138.1 113.8 170.8
 44 10.9 6.2 9.2#

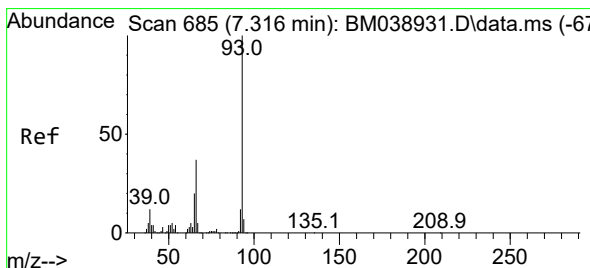
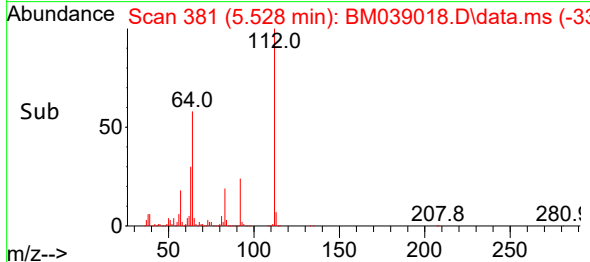
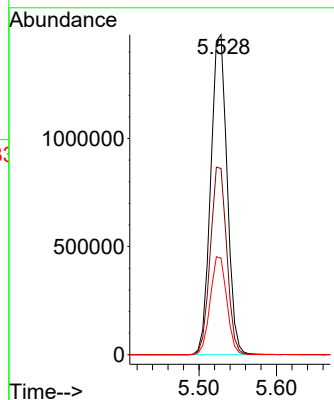
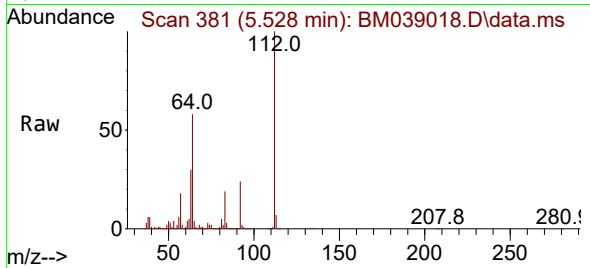




#5
2-Fluorophenol
Concen: 92.450 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

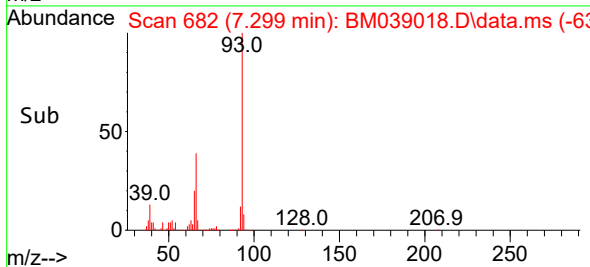
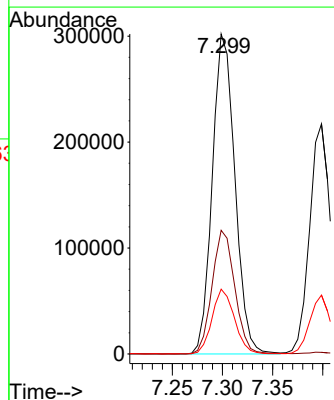
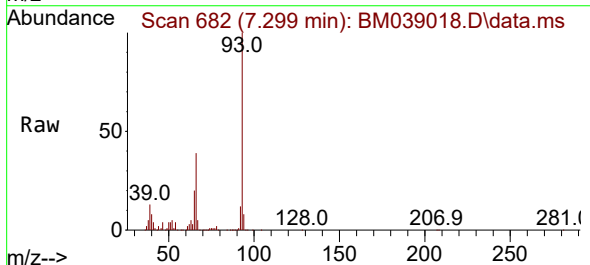
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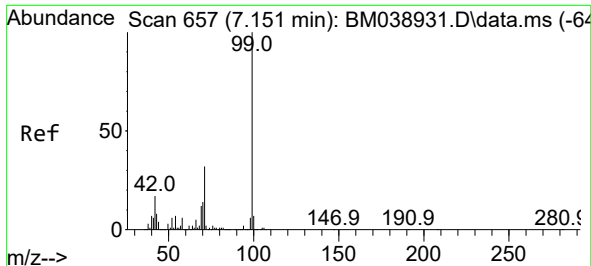
Tgt Ion:112 Resp: 2173422
Ion Ratio Lower Upper
112 100
64 58.2 45.9 68.9
63 30.2 23.8 35.8



#6
Aniline
Concen: 11.835 ng
RT: 7.299 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion: 93 Resp: 474498
Ion Ratio Lower Upper
93 100
66 38.7 30.0 45.0
65 20.2 15.8 23.6

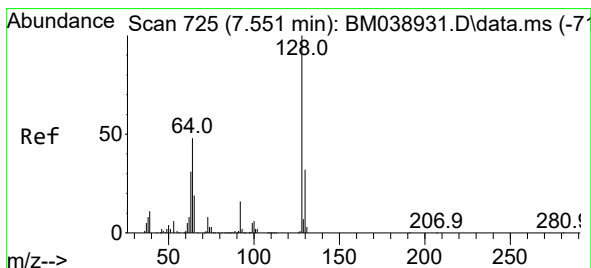
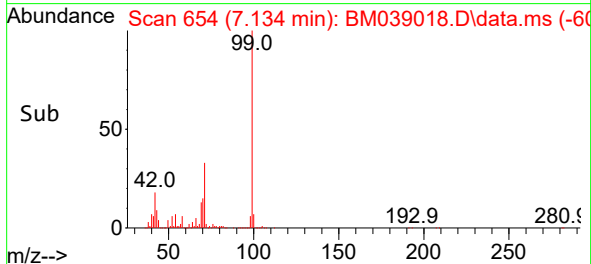
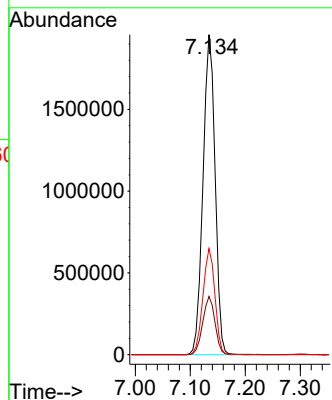
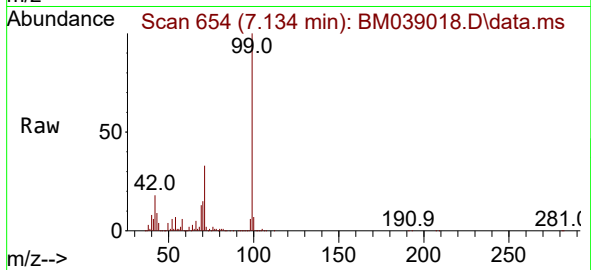




#7
Phenol-d6
Concen: 98.039 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

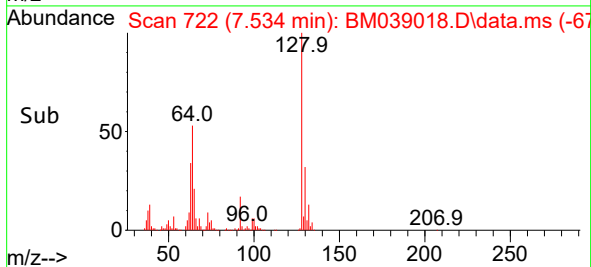
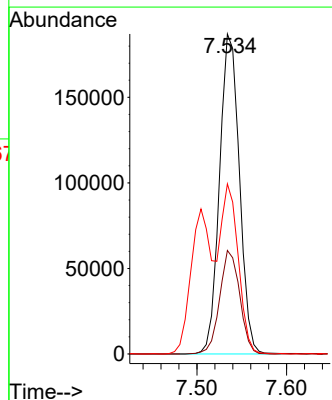
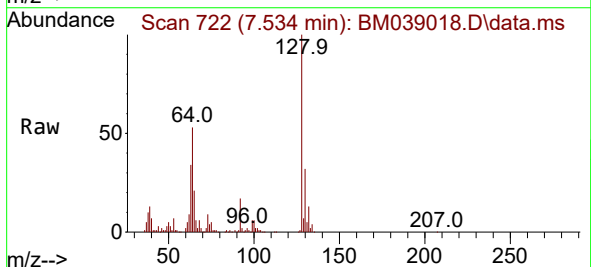
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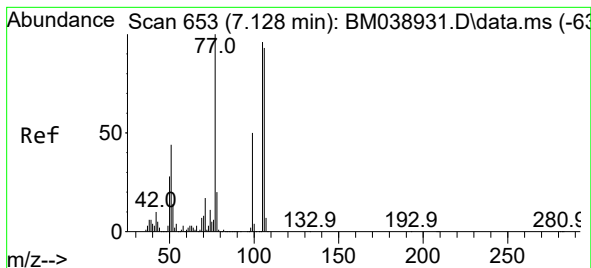
Tgt Ion: 99 Resp: 2993715
Ion Ratio Lower Upper
99 100
42 18.2 13.5 20.3
71 33.2 25.6 38.4



#8
2-Chlorophenol
Concen: 11.497 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.005 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion: 128 Resp: 287752
Ion Ratio Lower Upper
128 100
130 32.3 11.9 51.9
64 53.2 28.6 68.6





#9

Benzaldehyde

Concen: 13.515 ng

RT: 7.110 min Scan# 61

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

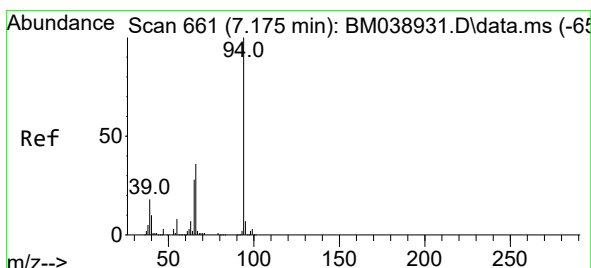
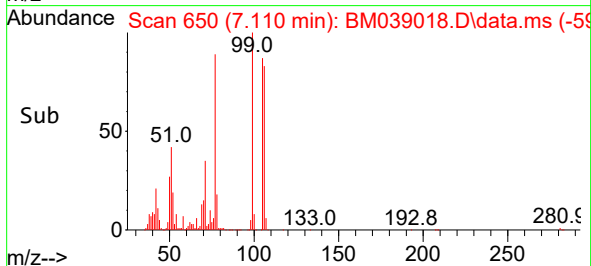
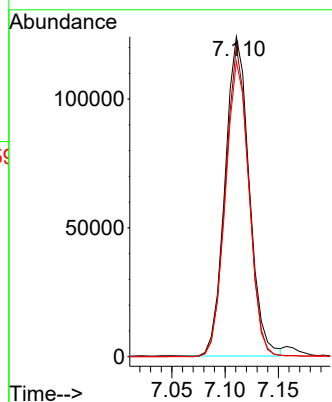
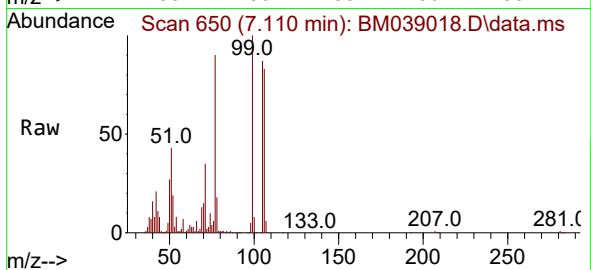
Tgt Ion: 77 Resp: 196390

Ion Ratio Lower Upper

77 100

105 97.1 75.8 115.8

106 92.3 72.6 112.6



#10

Phenol

Concen: 11.739 ng

RT: 7.158 min Scan# 658

Delta R.T. -0.005 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

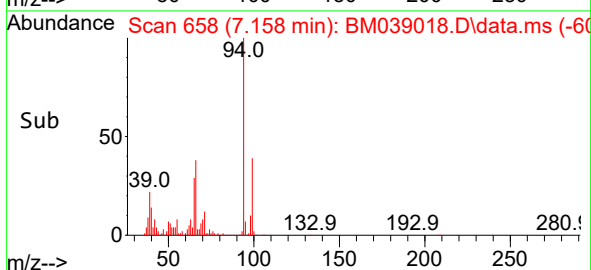
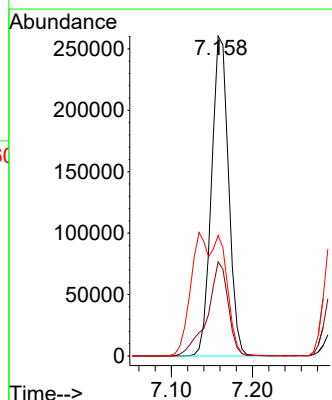
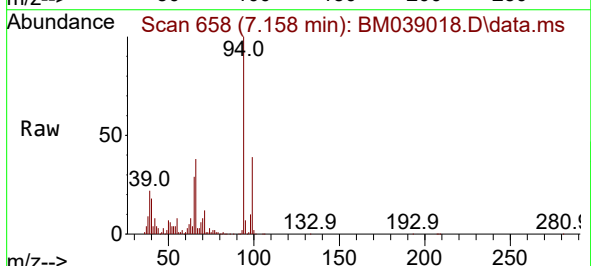
Tgt Ion: 94 Resp: 380664

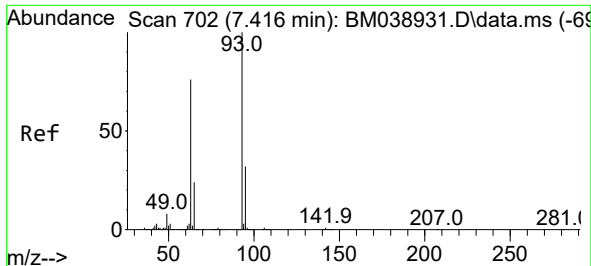
Ion Ratio Lower Upper

94 100

65 29.4 7.9 47.9

66 37.6 15.8 55.8

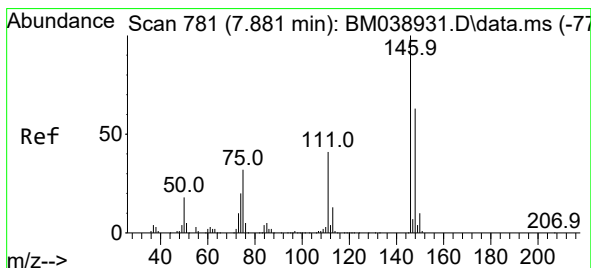
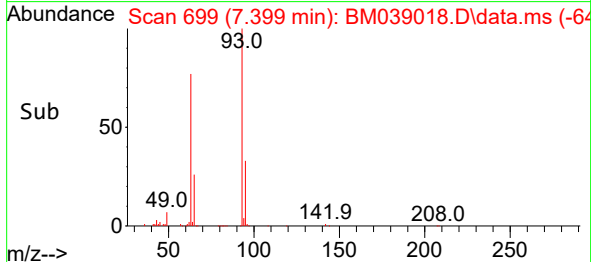
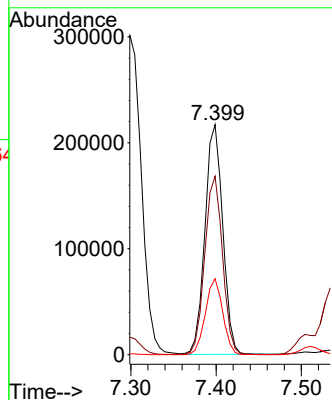
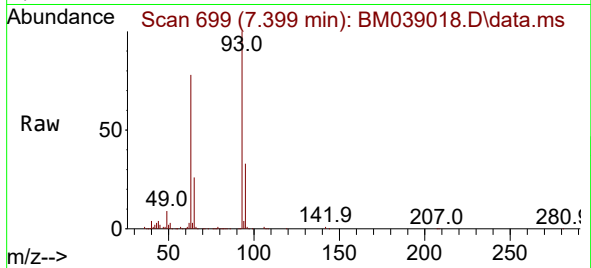




#11
bis(2-Chloroethyl)ether
Concen: 11.945 ng
RT: 7.399 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

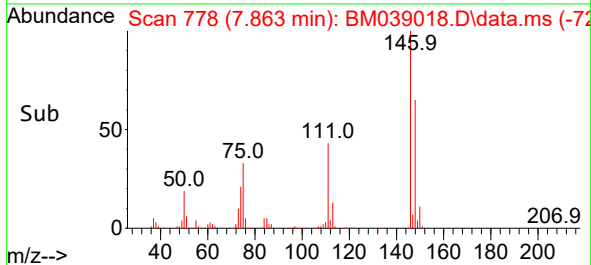
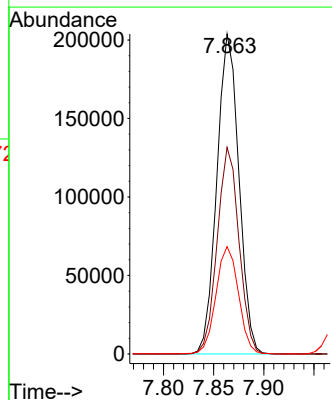
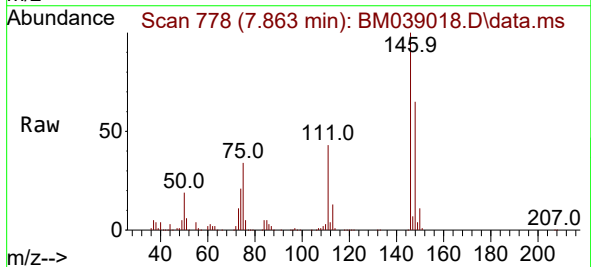
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

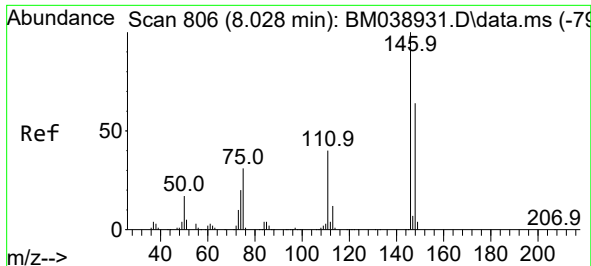
Tgt Ion: 93 Resp: 314937
Ion Ratio Lower Upper
93 100
63 77.5 55.8 95.8
95 33.1 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 11.683 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion: 146 Resp: 310760
Ion Ratio Lower Upper
146 100
148 64.6 50.6 75.8
75 33.6 26.0 39.0

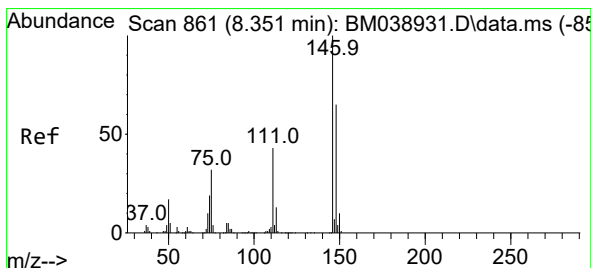
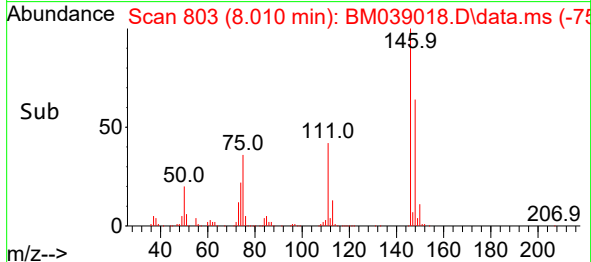
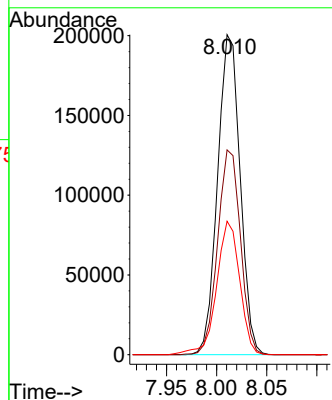
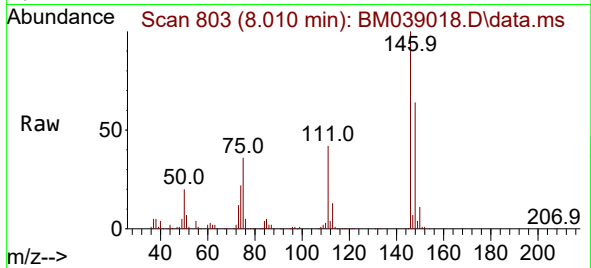




#13
1,4-Dichlorobenzene
Concen: 11.590 ng
RT: 8.010 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

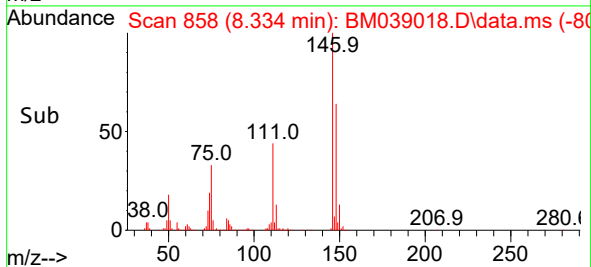
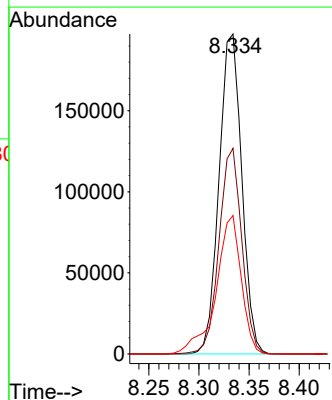
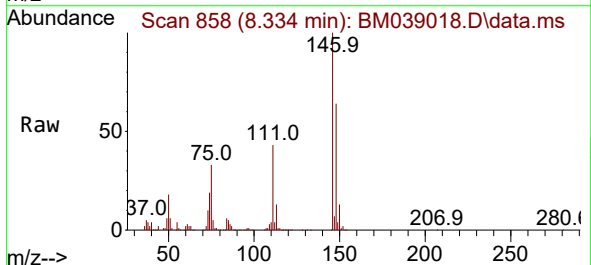
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

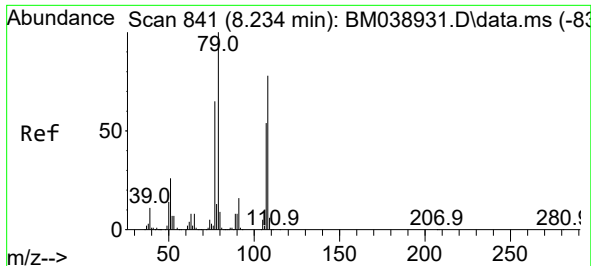
Tgt Ion:146 Resp: 313531
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.4
111 41.7 32.2 48.4



#14
1,2-Dichlorobenzene
Concen: 11.926 ng
RT: 8.334 min Scan# 858
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:146 Resp: 310755
Ion Ratio Lower Upper
146 100
148 64.3 51.7 77.5
111 43.3 34.2 51.4

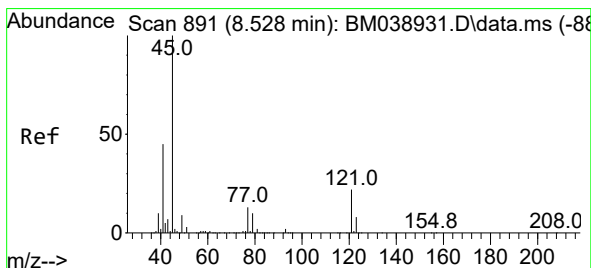
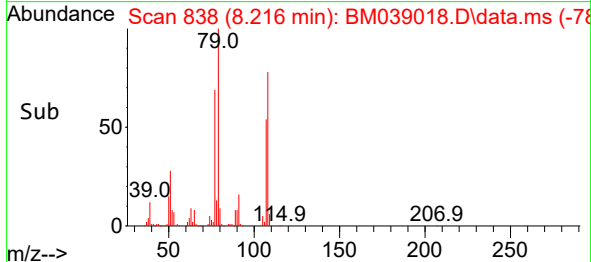
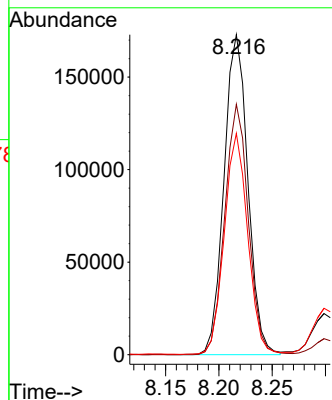
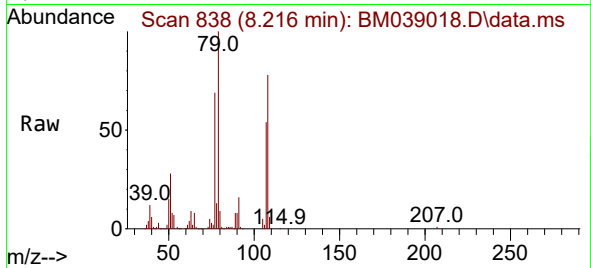




#15
Benzyl Alcohol
Concen: 12.297 ng
RT: 8.216 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

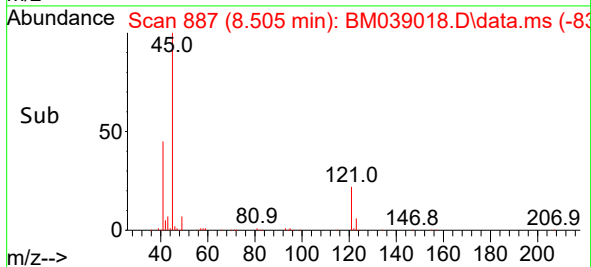
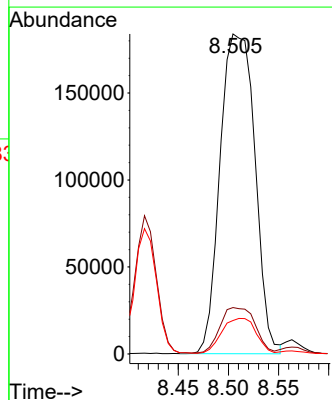
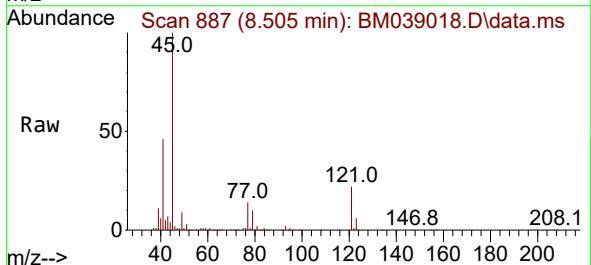
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

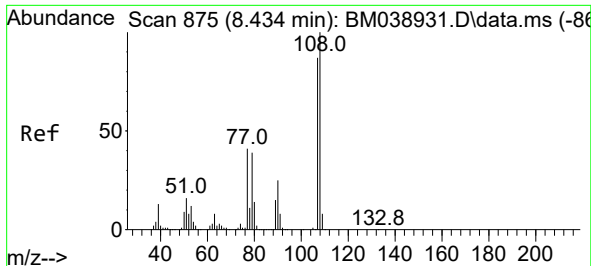
Tgt Ion: 79 Resp: 269154
Ion Ratio Lower Upper
79 100
108 78.2 62.4 93.6
77 69.1 52.2 78.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 13.331 ng
RT: 8.505 min Scan# 887
Delta R.T. -0.005 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion: 45 Resp: 443892
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.8
79 10.4 0.0 31.5

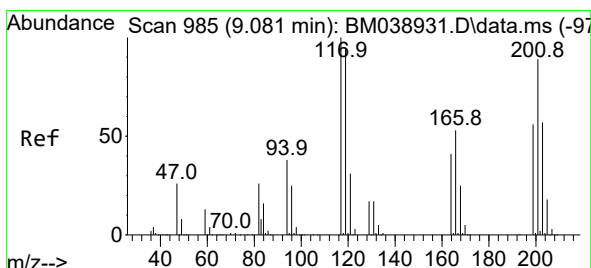
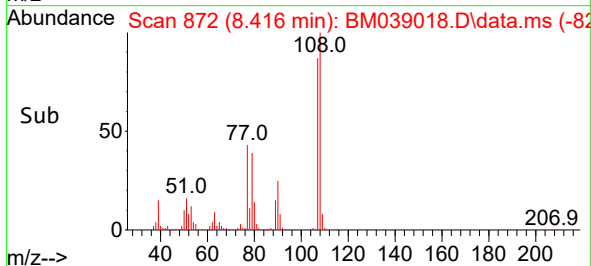
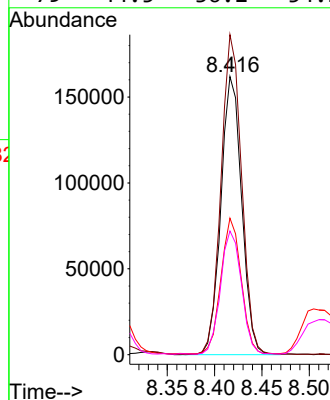
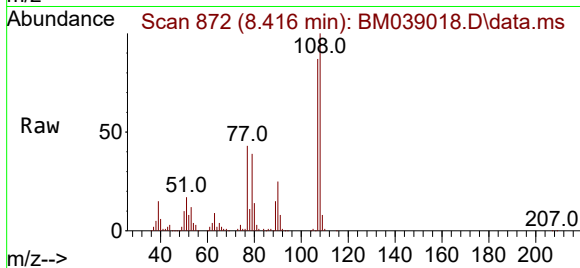




#17
2-Methylphenol
Concen: 11.133 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.005 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

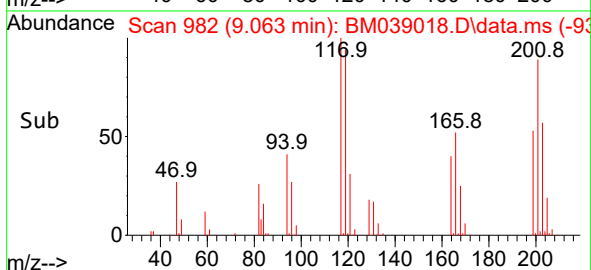
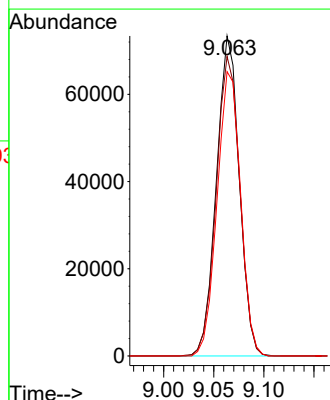
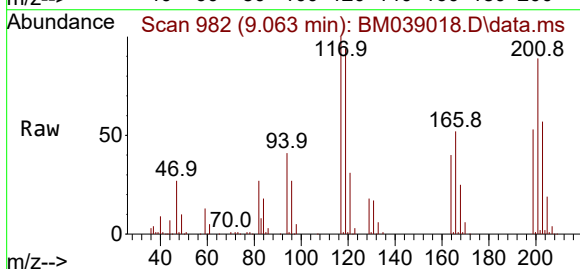
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

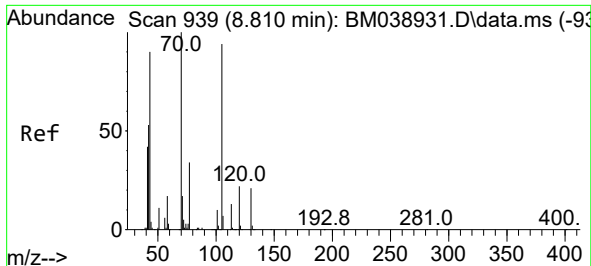
Tgt Ion:107 Resp: 247986
Ion Ratio Lower Upper
107 100
108 115.1 91.7 137.5
77 49.1 37.4 56.2
79 44.5 36.2 54.2



#18
Hexachloroethane
Concen: 11.672 ng
RT: 9.063 min Scan# 982
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:117 Resp: 116498
Ion Ratio Lower Upper
117 100
119 93.6 75.4 113.0
201 88.9 71.3 106.9





#19

n-Nitroso-di-n-propylamine

Concen: 13.810 ng

RT: 8.787 min Scan# 91

Delta R.T. -0.005 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion: 70 Resp: 265609

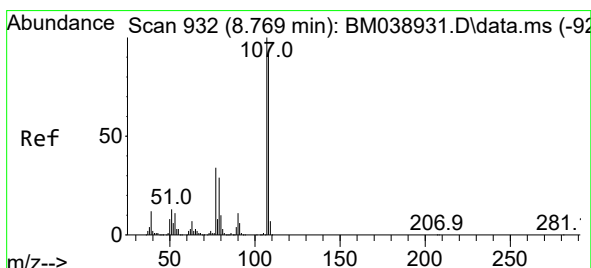
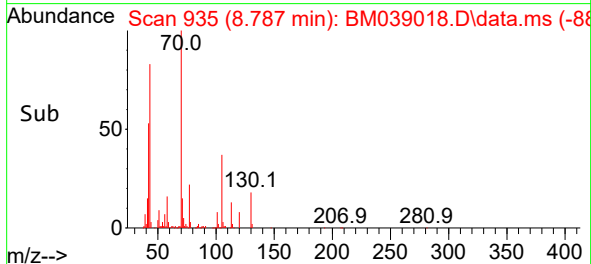
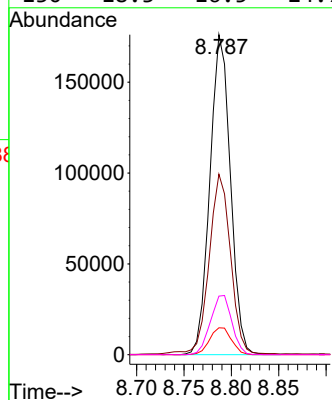
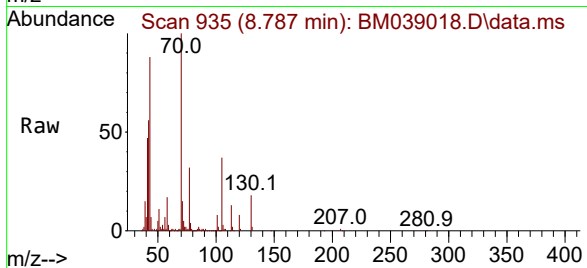
Ion Ratio Lower Upper

70 100

42 56.4 43.4 65.2

101 8.4 7.6 11.4

130 18.3 16.5 24.7



#20

3+4-Methylphenols

Concen: 11.237 ng

RT: 8.746 min Scan# 928

Delta R.T. -0.005 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Tgt Ion: 107 Resp: 334219

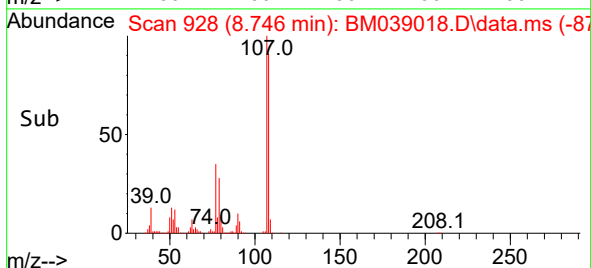
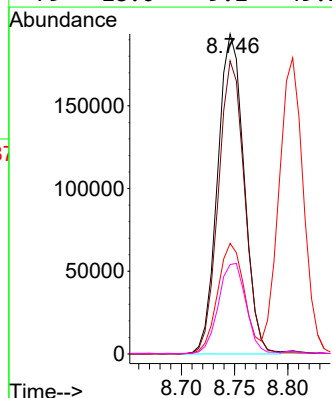
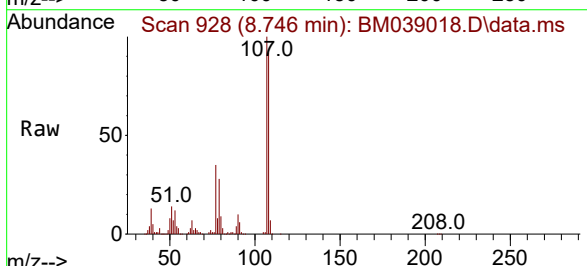
Ion Ratio Lower Upper

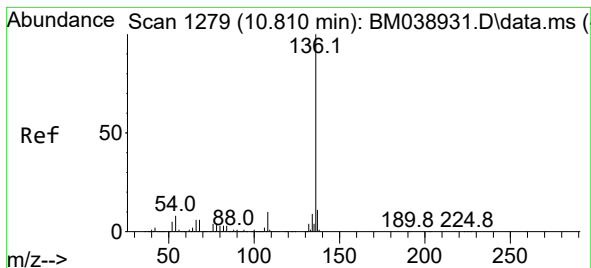
107 100

108 91.6 71.8 111.8

77 34.6 13.6 53.6

79 28.0 9.2 49.2

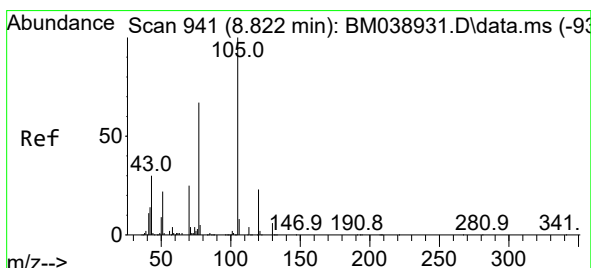
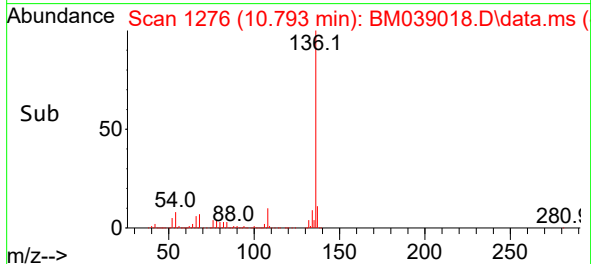
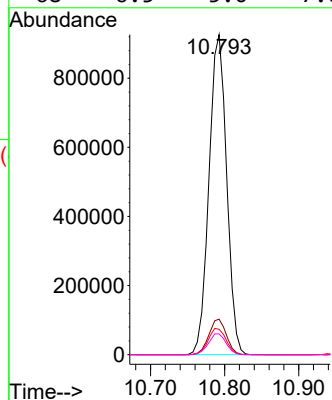
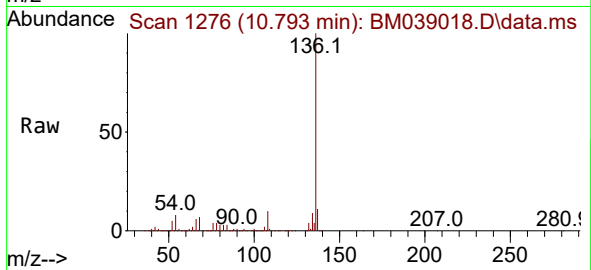




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.793 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

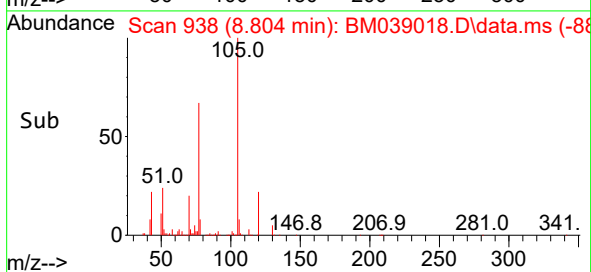
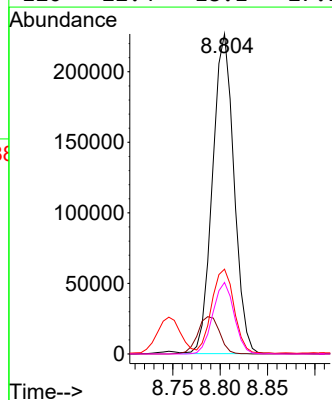
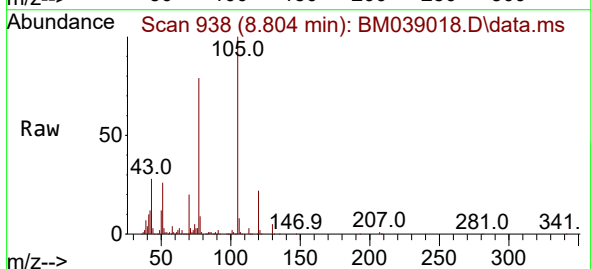
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

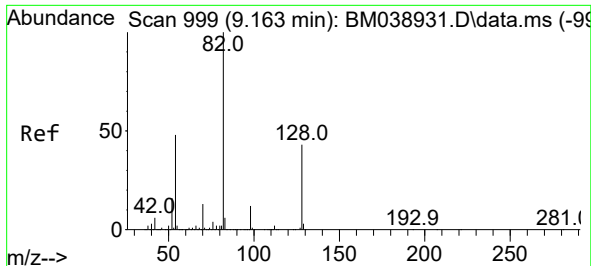
Tgt Ion:136 Resp: 1532948
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.0 6.3 9.5
68 6.5 5.0 7.6



#22
Acetophenone
Concen: 8.286 ng
RT: 8.804 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:105 Resp: 356353
Ion Ratio Lower Upper
105 100
71 2.9 3.4 5.0#
51 26.5 21.0 31.4
120 22.4 18.1 27.1

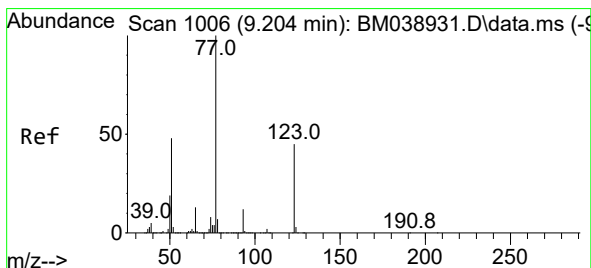
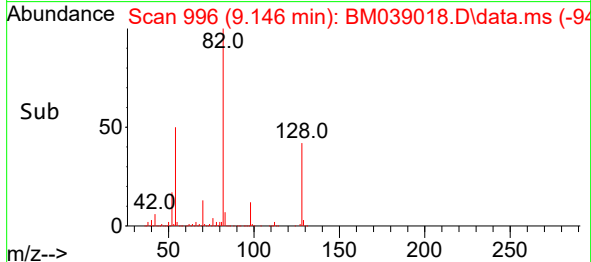
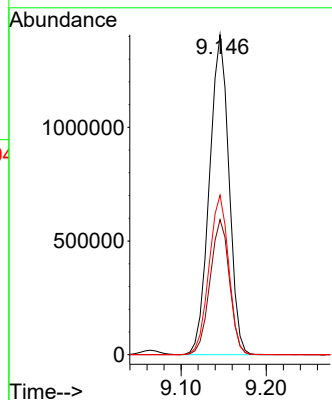
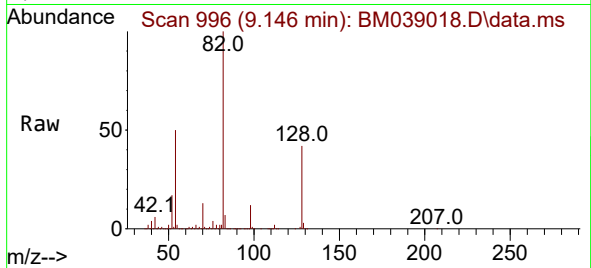




#23
Nitrobenzene-d5
Concen: 71.657 ng
RT: 9.146 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

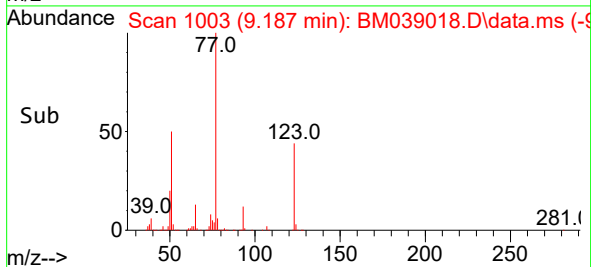
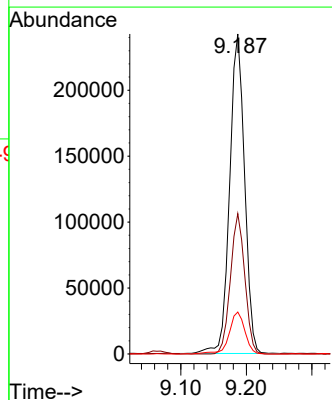
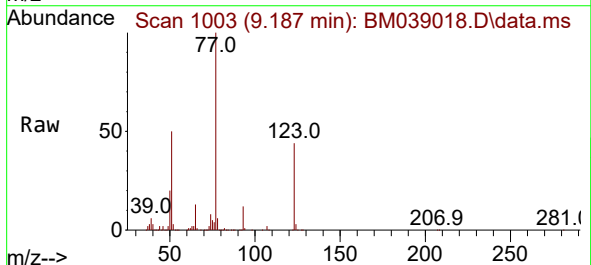
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

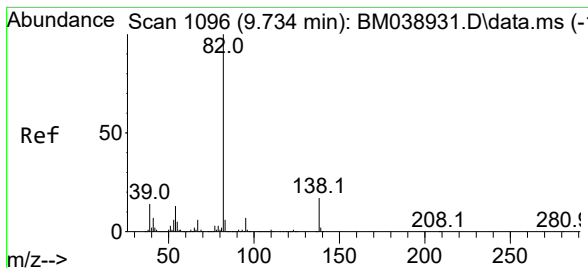
Tgt Ion: 82 Resp: 2236231
Ion Ratio Lower Upper
82 100
128 42.2 34.4 51.6
54 49.8 38.8 58.2



#24
Nitrobenzene
Concen: 11.692 ng
RT: 9.187 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion: 77 Resp: 383504
Ion Ratio Lower Upper
77 100
123 43.9 35.8 53.6
65 13.1 10.2 15.4





#25

Isophorone

Concen: 12.252 ng

RT: 9.710 min Scan# 1109

Delta R.T. -0.005 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

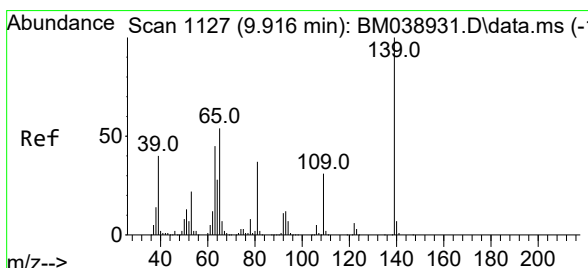
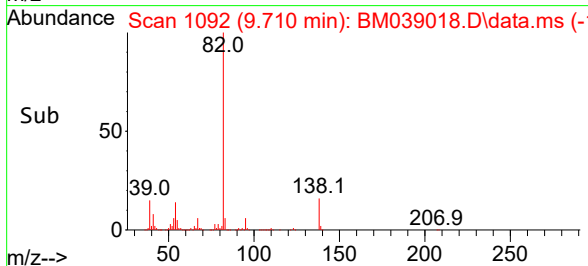
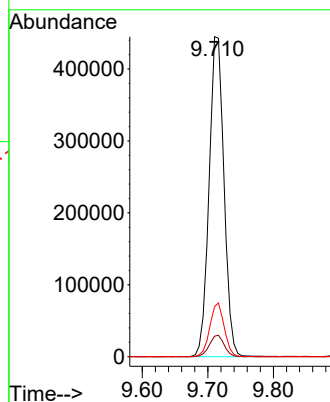
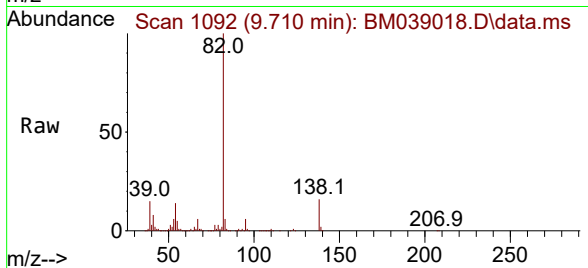
Tgt Ion: 82 Resp: 703617

Ion Ratio Lower Upper

82 100

95 6.4 5.2 7.8

138 15.7 13.6 20.4



#26

2-Nitrophenol

Concen: 11.137 ng

RT: 9.899 min Scan# 1124

Delta R.T. 0.001 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

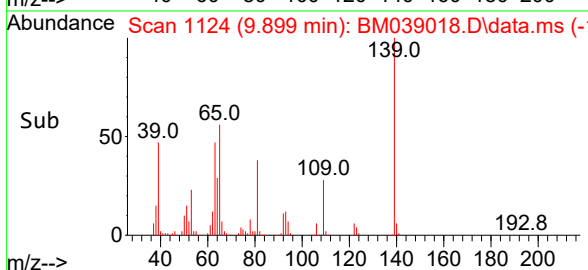
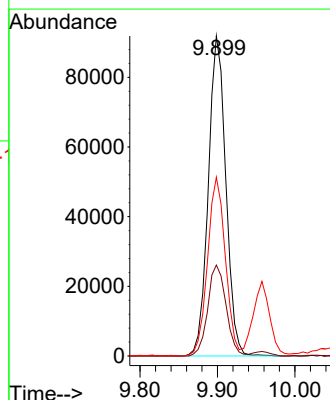
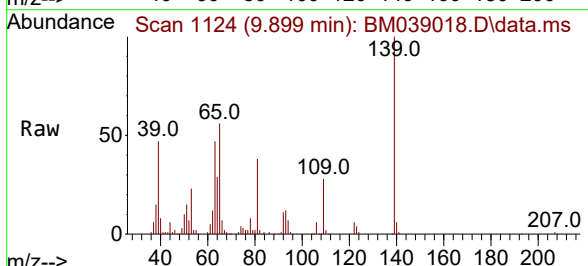
Tgt Ion:139 Resp: 144362

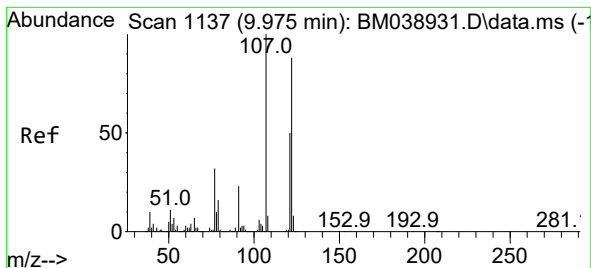
Ion Ratio Lower Upper

139 100

109 28.4 24.5 36.7

65 55.9 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 11.388 ng

RT: 9.957 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

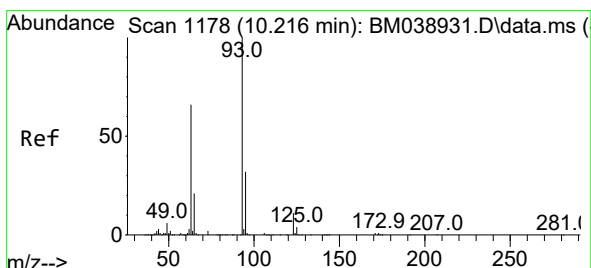
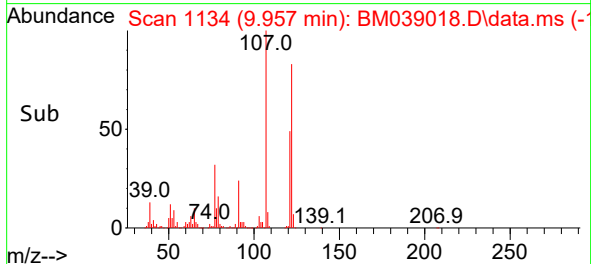
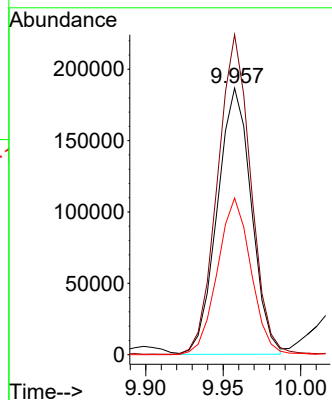
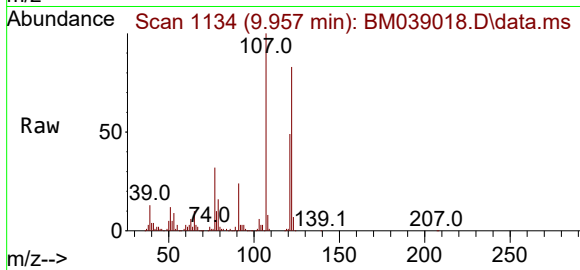
Tgt Ion:122 Resp: 284969

Ion Ratio Lower Upper

122 100

107 120.0 91.0 136.4

121 58.8 45.1 67.7



#28

bis(2-Chloroethoxy)methane

Concen: 11.977 ng

RT: 10.199 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

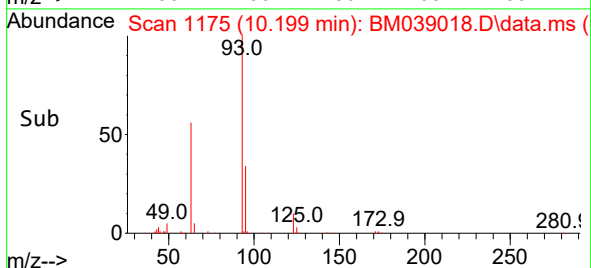
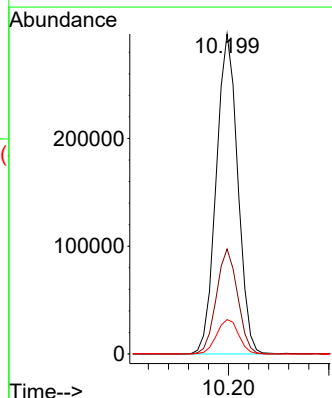
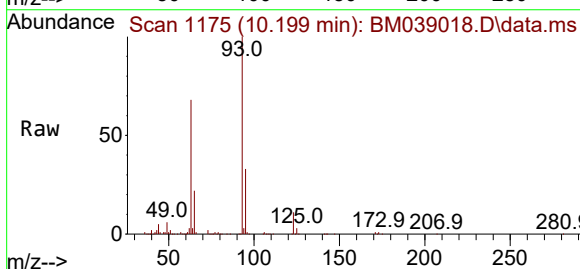
Tgt Ion: 93 Resp: 441966

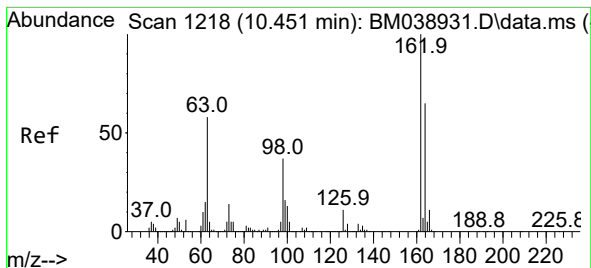
Ion Ratio Lower Upper

93 100

95 32.8 25.9 38.9

123 10.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 10.650 ng

RT: 10.434 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

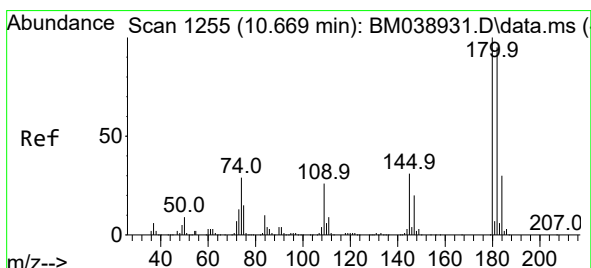
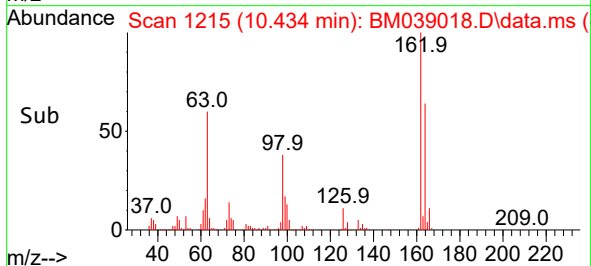
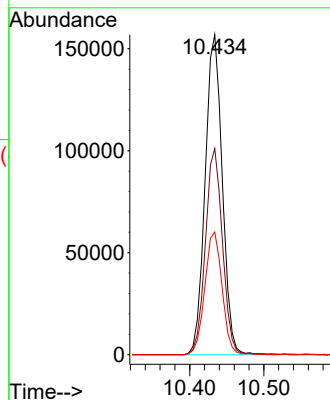
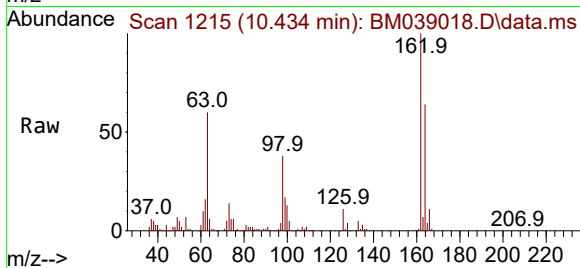
Tgt Ion:162 Resp: 252666

Ion Ratio Lower Upper

162 100

164 64.4 44.6 84.6

98 38.4 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 10.649 ng

RT: 10.651 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

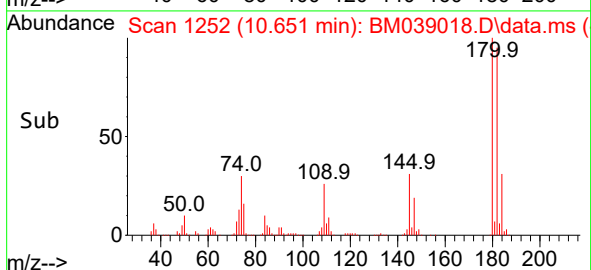
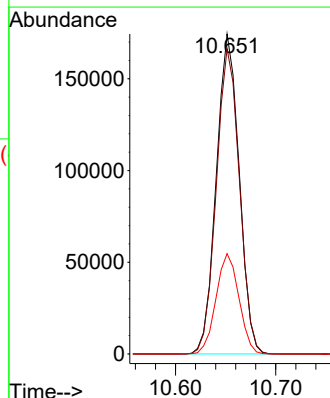
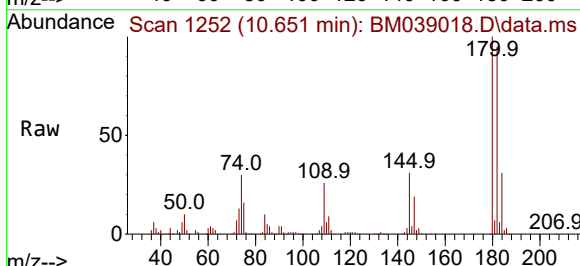
Tgt Ion:180 Resp: 276062

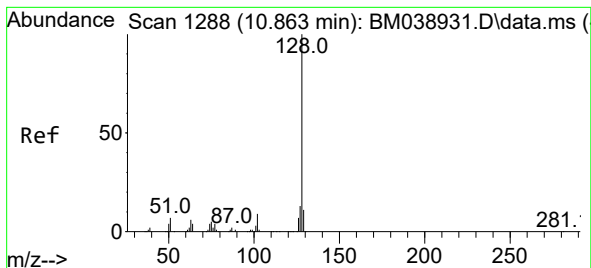
Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

145 31.3 25.0 37.4





#31

Naphthalene

Concen: 10.996 ng

RT: 10.840 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

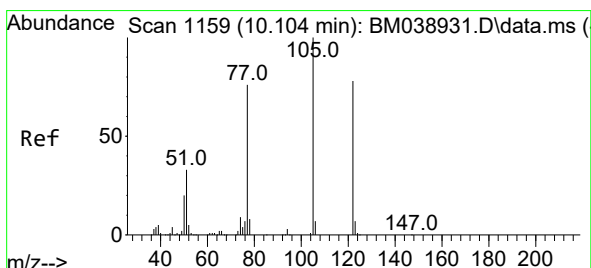
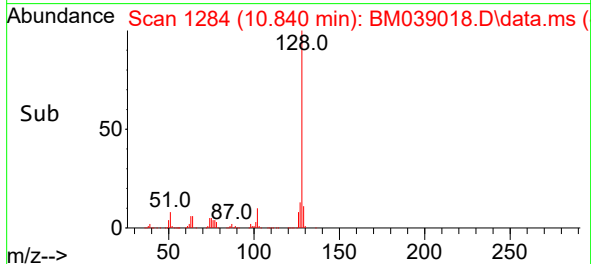
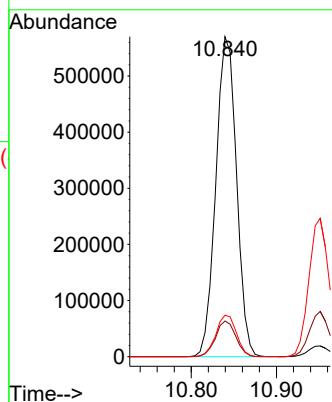
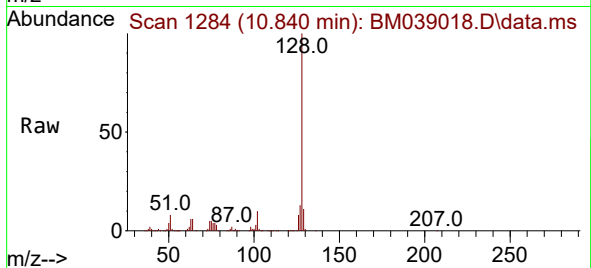
Tgt Ion:128 Resp: 961212

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 12.9 10.2 15.4



#32

Benzoic acid

Concen: 8.672 ng

RT: 10.040 min Scan# 1148

Delta R.T. -0.058 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

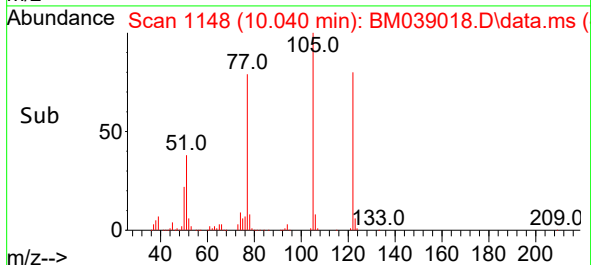
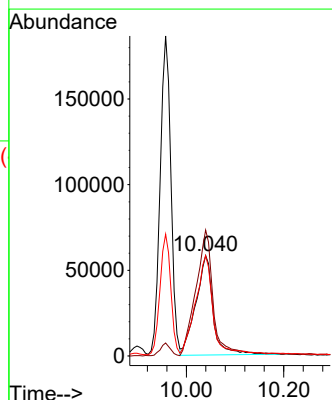
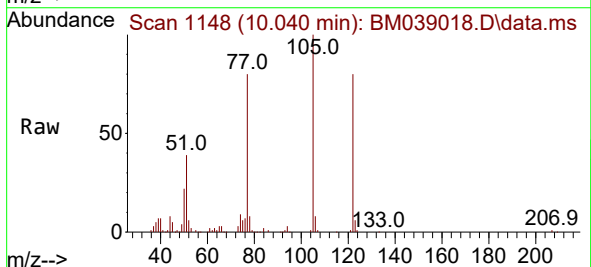
Tgt Ion:122 Resp: 143742

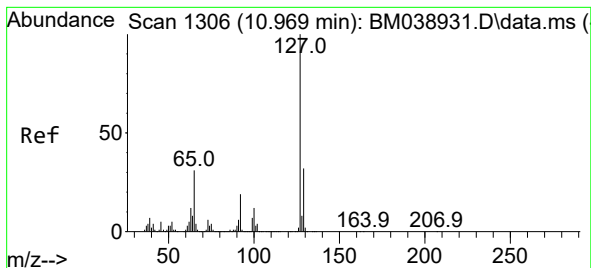
Ion Ratio Lower Upper

122 100

105 125.4 104.2 144.2

77 99.9 75.1 115.1





#33

4-Chloroaniline

Concen: 10.986 ng

RT: 10.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:127 Resp: 409235

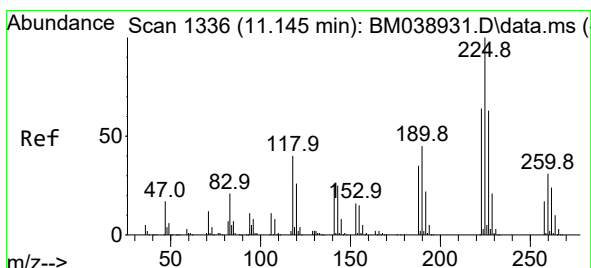
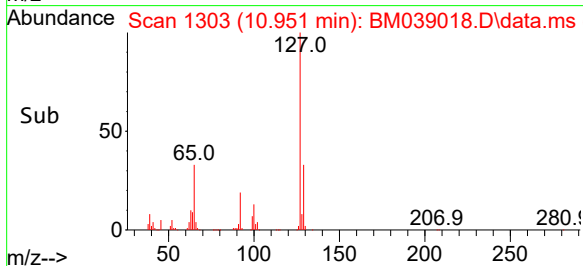
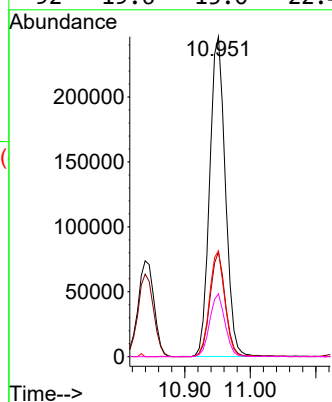
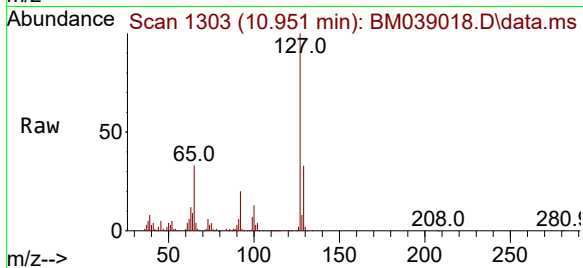
Ion Ratio Lower Upper

127 100

129 32.7 25.4 38.2

65 33.1 24.4 36.6

92 19.6 15.0 22.4



#34

Hexachlorobutadiene

Concen: 10.427 ng

RT: 11.128 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

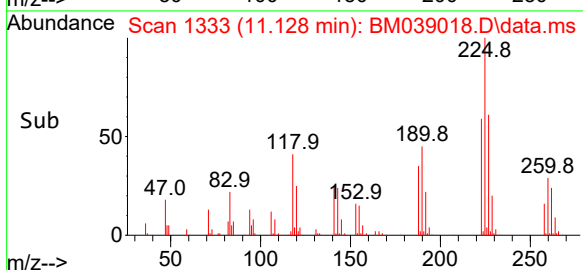
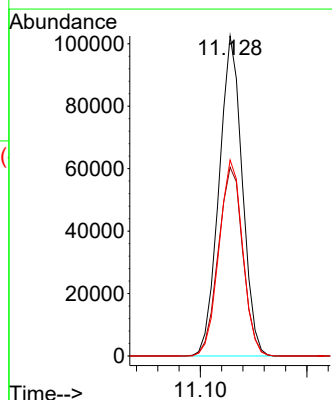
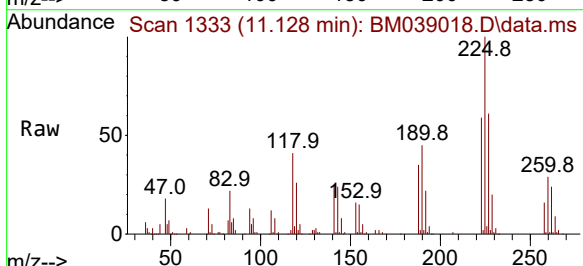
Tgt Ion:225 Resp: 155008

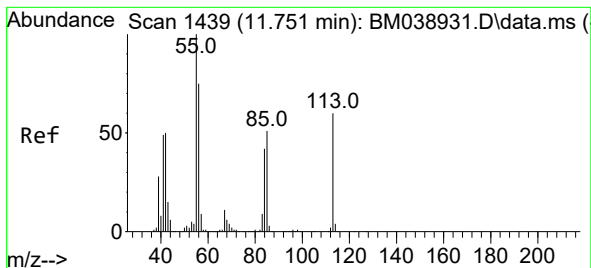
Ion Ratio Lower Upper

225 100

223 58.9 51.3 76.9

227 61.3 50.6 76.0





#35

Caprolactam

Concen: 10.885 ng

RT: 11.728 min Scan# 1435

Delta R.T. -0.011 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

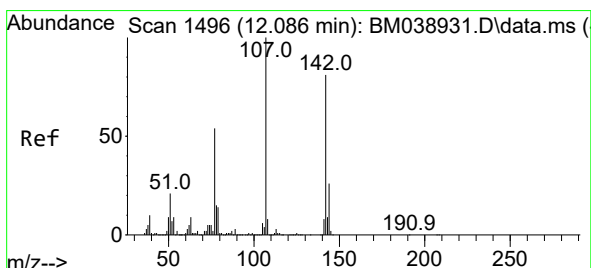
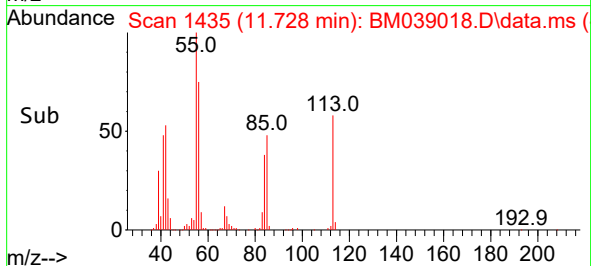
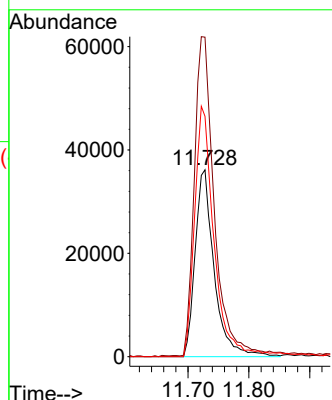
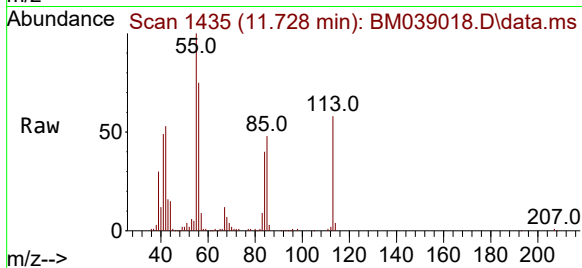
Tgt Ion:113 Resp: 78592

Ion Ratio Lower Upper

113 100

55 171.0 147.0 187.0

56 128.6 105.1 145.1



#36

4-Chloro-3-methylphenol

Concen: 11.957 ng

RT: 12.069 min Scan# 1493

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

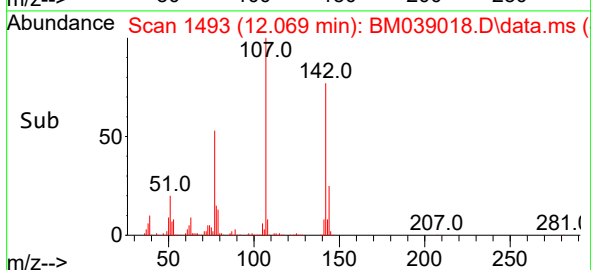
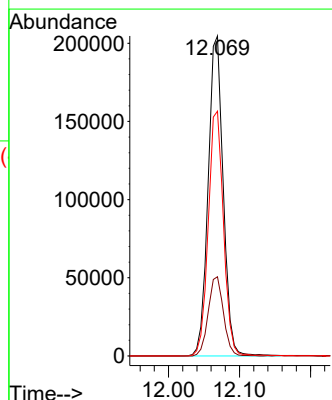
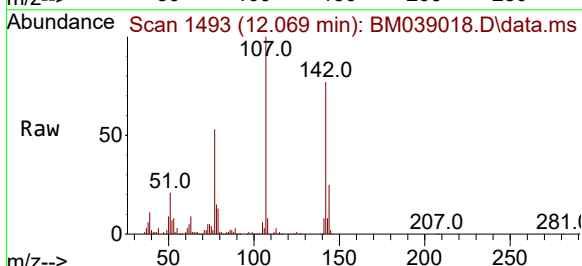
Tgt Ion:107 Resp: 302055

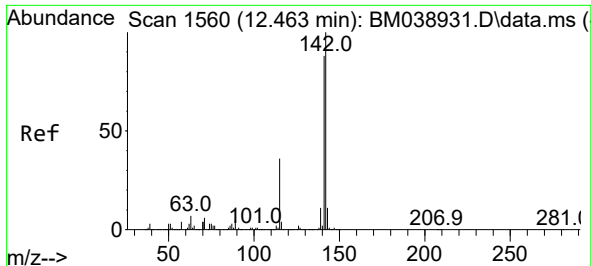
Ion Ratio Lower Upper

107 100

144 24.8 20.7 31.1

142 76.5 64.6 97.0





#37

2-Methylnaphthalene

Concen: 11.231 ng

RT: 12.445 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

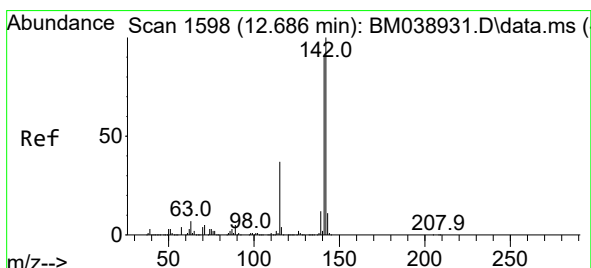
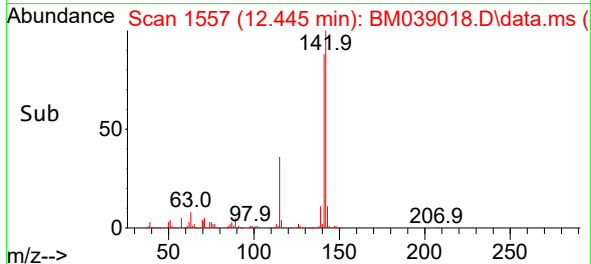
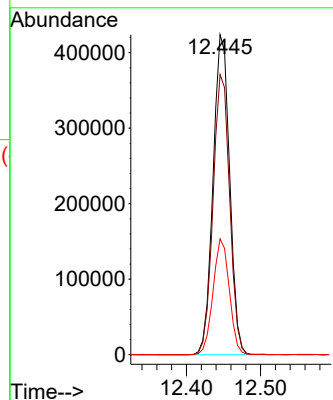
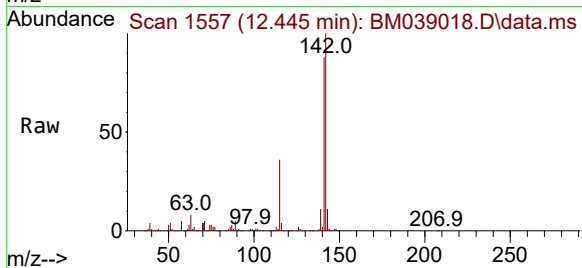
Tgt Ion:142 Resp: 657979

Ion Ratio Lower Upper

142 100

141 87.6 70.6 106.0

115 36.2 28.5 42.7



#38

1-Methylnaphthalene

Concen: 11.235 ng

RT: 12.669 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

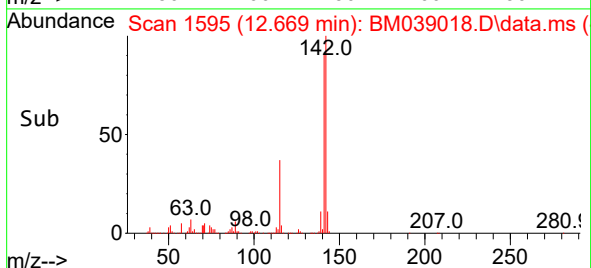
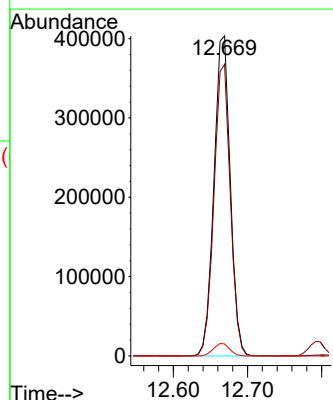
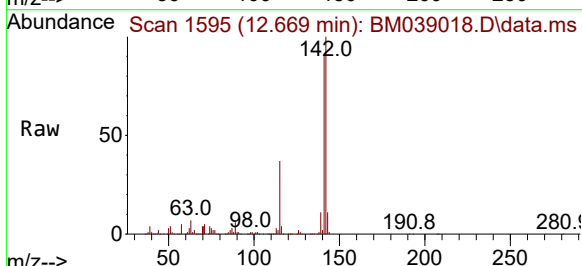
Tgt Ion:142 Resp: 616844

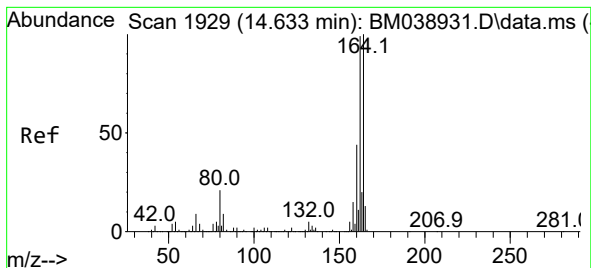
Ion Ratio Lower Upper

142 100

141 91.1 72.8 109.2

116 3.7 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.616 min Scan# 1619

Delta R.T. 0.001 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

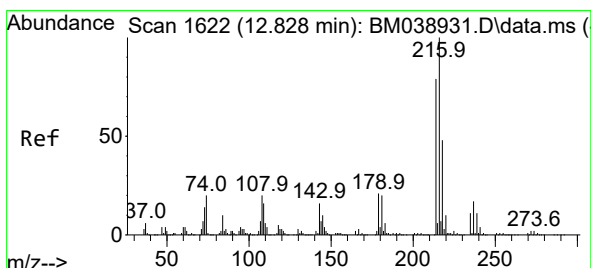
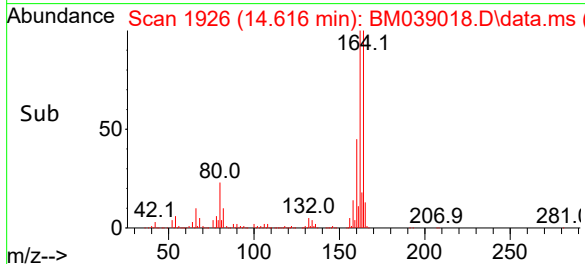
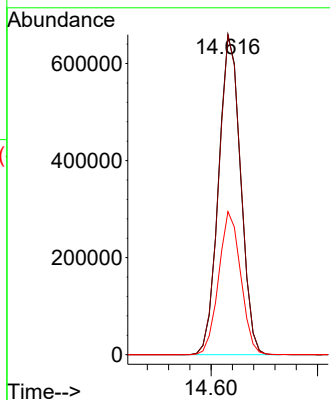
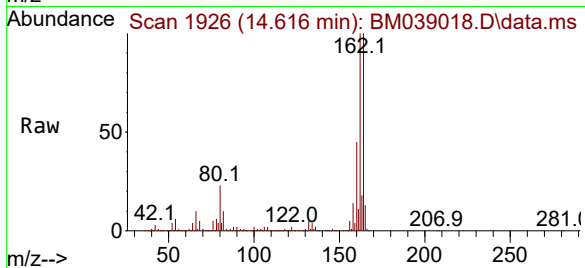
Tgt Ion:164 Resp: 943643

Ion Ratio Lower Upper

164 100

162 99.9 79.2 118.8

160 44.7 35.5 53.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.919 ng

RT: 12.810 min Scan# 1619

Delta R.T. -0.005 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Tgt Ion:216 Resp: 212263

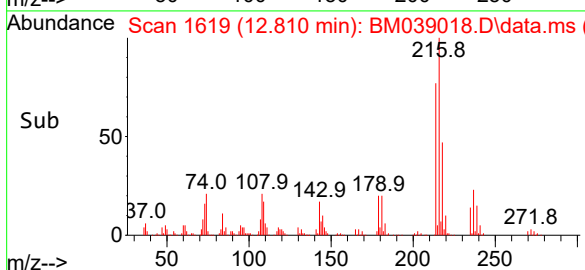
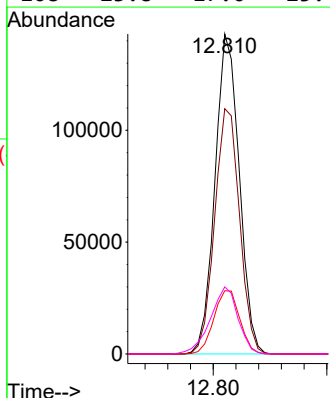
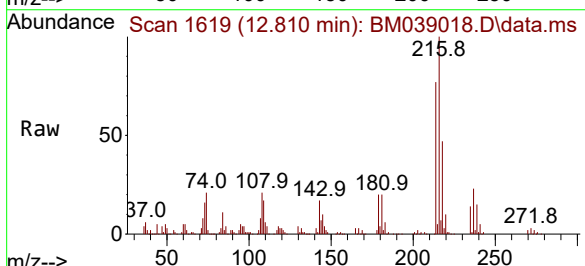
Ion Ratio Lower Upper

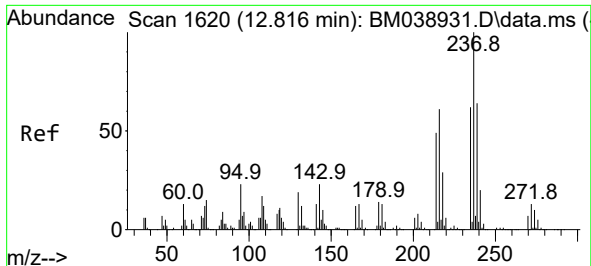
216 100

214 78.7 63.0 94.4

179 21.1 16.8 25.2

108 23.8 17.0 25.4

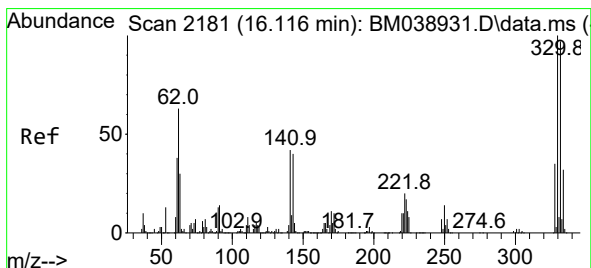
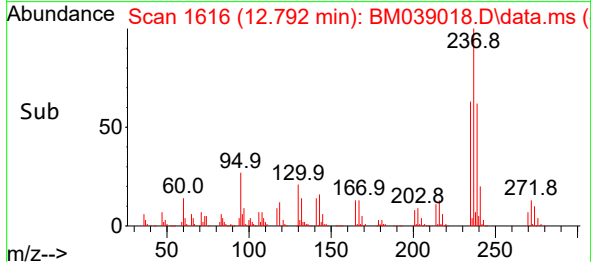
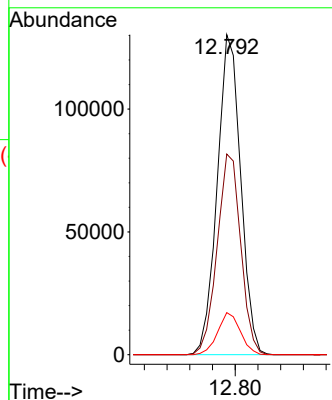
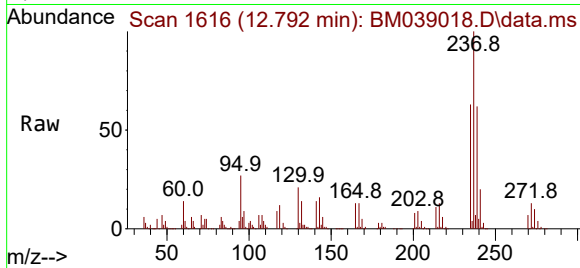




#41
Hexachlorocyclopentadiene
Concen: 11.112 ng
RT: 12.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

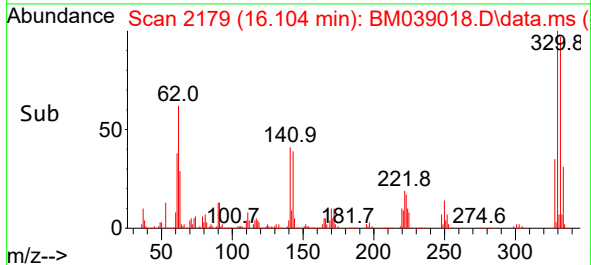
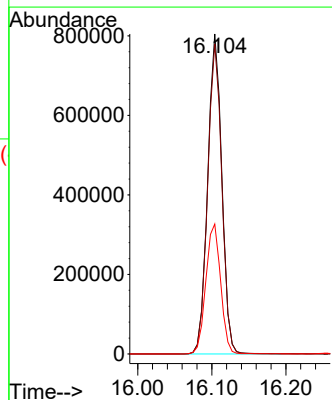
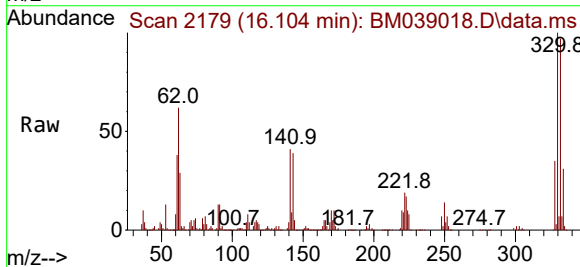
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

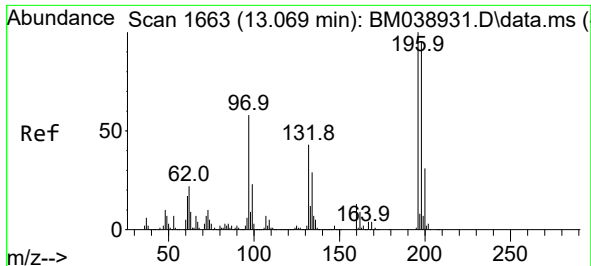
Tgt Ion:237 Resp: 187109
Ion Ratio Lower Upper
237 100
235 62.7 41.7 81.7
272 13.2 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 97.701 ng
RT: 16.104 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:330 Resp: 1066548
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 42.5 32.2 48.4

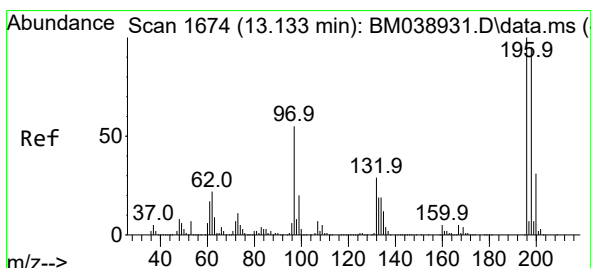
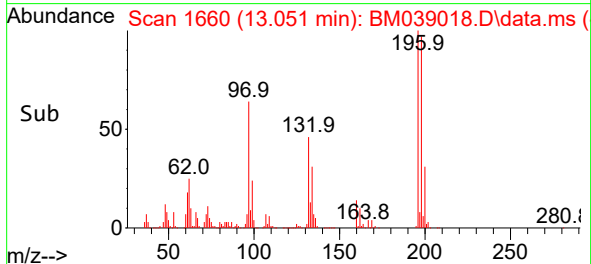
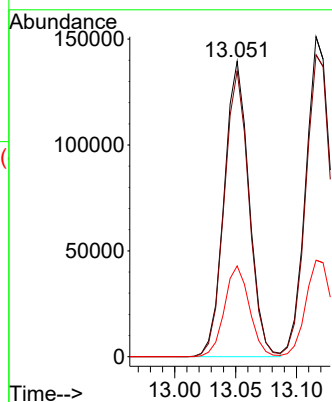
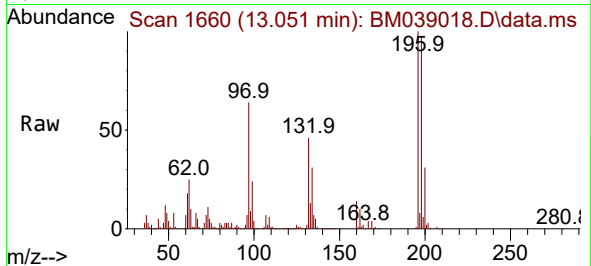




#43
2,4,6-Trichlorophenol
Concen: 10.006 ng
RT: 13.051 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

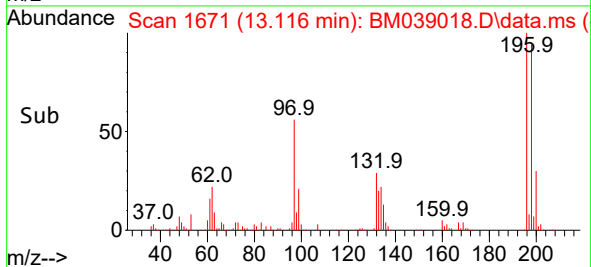
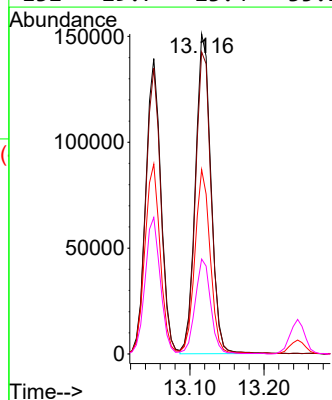
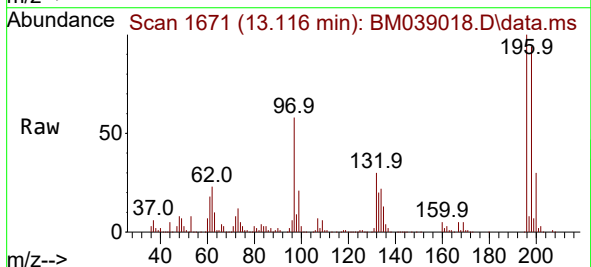
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

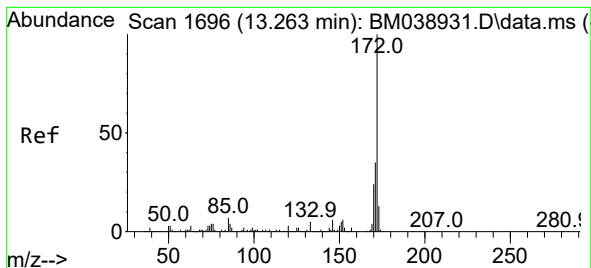
Tgt Ion:196 Resp: 198774
Ion Ratio Lower Upper
196 100
198 96.7 75.8 113.8
200 30.7 25.0 37.4



#44
2,4,5-Trichlorophenol
Concen: 9.460 ng
RT: 13.116 min Scan# 1671
Delta R.T. -0.005 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:196 Resp: 219967
Ion Ratio Lower Upper
196 100
198 94.3 76.3 114.5
97 57.6 44.2 66.4
132 29.7 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 64.897 ng

RT: 13.245 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

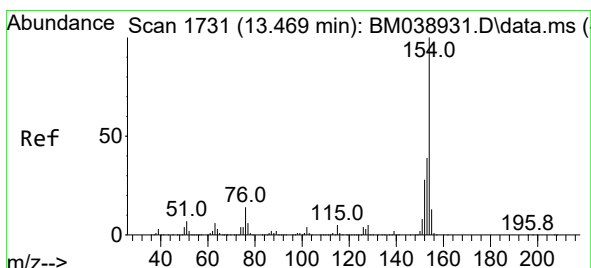
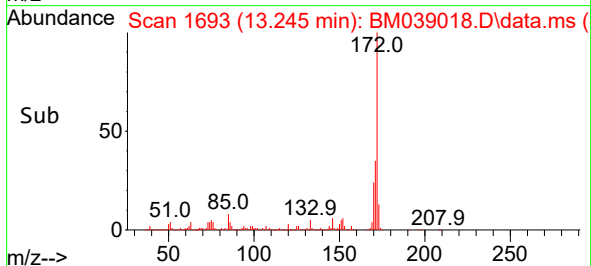
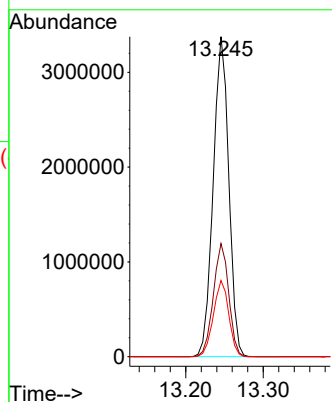
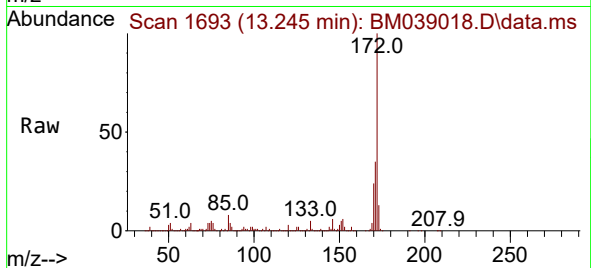
Tgt Ion:172 Resp: 4704270

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 7.788 ng

RT: 13.451 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

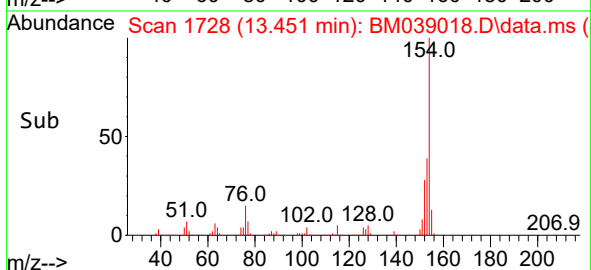
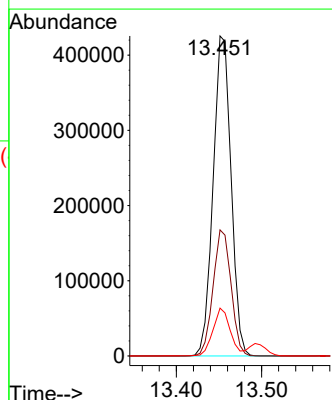
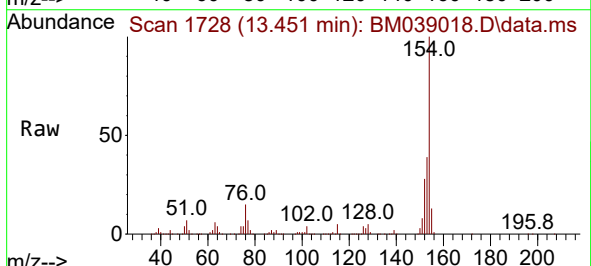
Tgt Ion:154 Resp: 622618

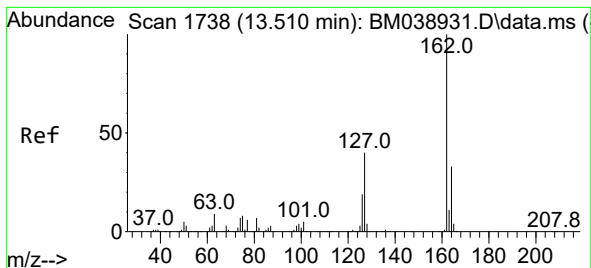
Ion Ratio Lower Upper

154 100

153 39.4 19.3 59.3

76 14.9 0.0 34.0





#47

2-Chloronaphthalene

Concen: 10.896 ng

RT: 13.498 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

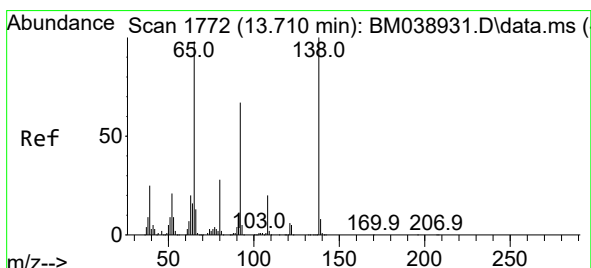
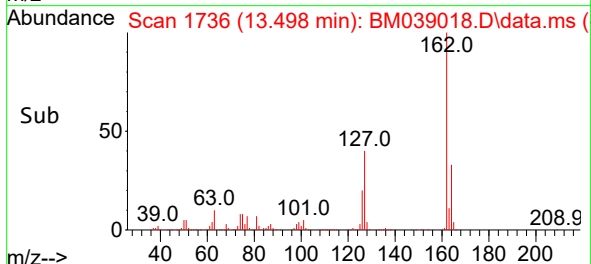
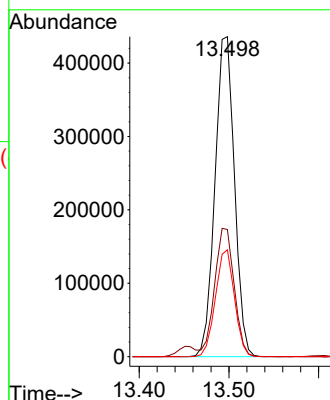
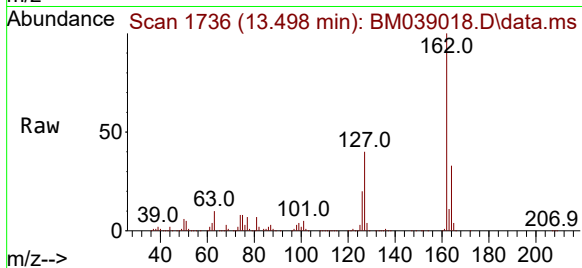
Tgt Ion:162 Resp: 656830

Ion Ratio Lower Upper

162 100

127 39.7 32.1 48.1

164 33.4 26.2 39.4



#48

2-Nitroaniline

Concen: 11.234 ng

RT: 13.698 min Scan# 1770

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

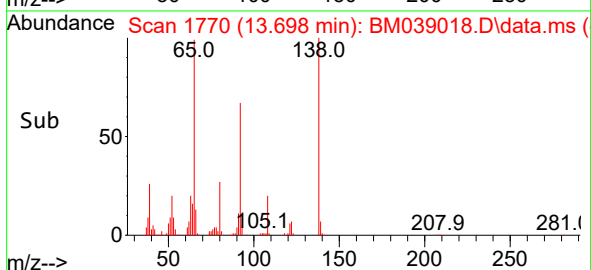
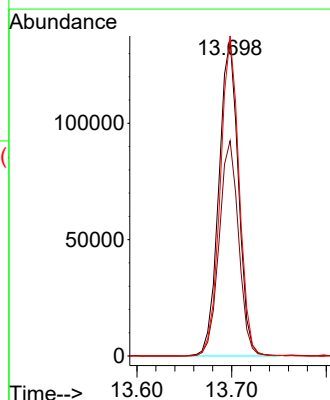
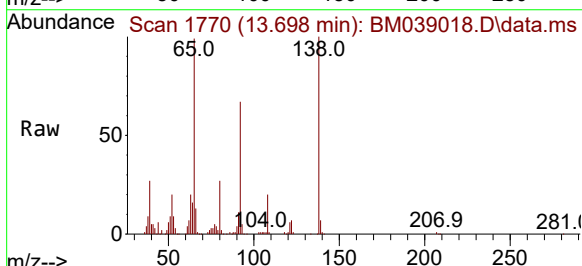
Tgt Ion: 65 Resp: 194476

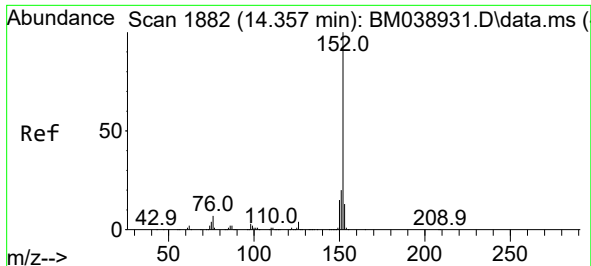
Ion Ratio Lower Upper

65 100

92 68.1 54.9 82.3

138 101.3 81.6 122.4

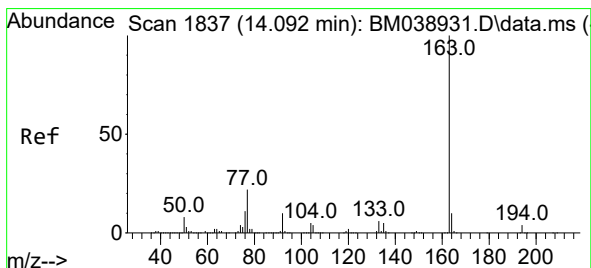
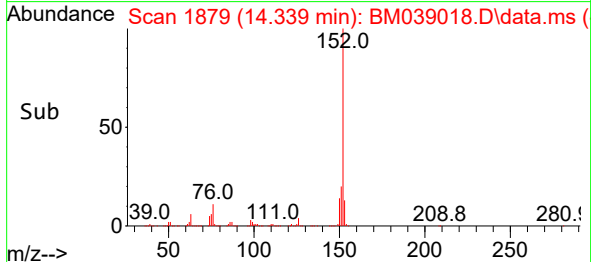
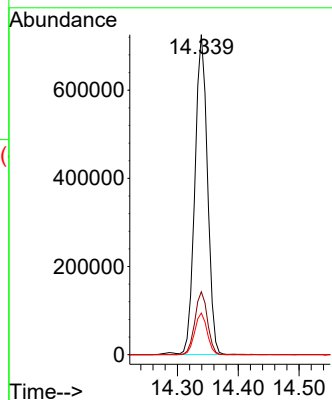
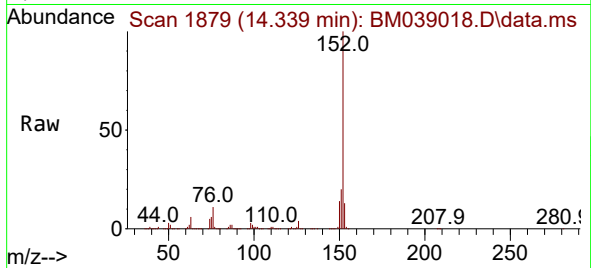




#49
Acenaphthylene
Concen: 10.799 ng
RT: 14.339 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

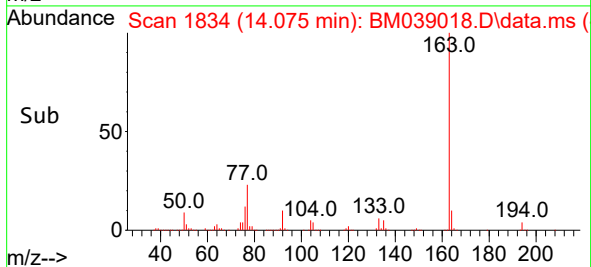
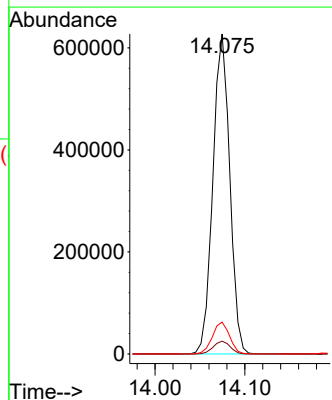
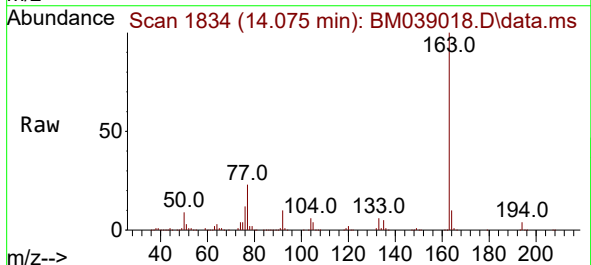
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

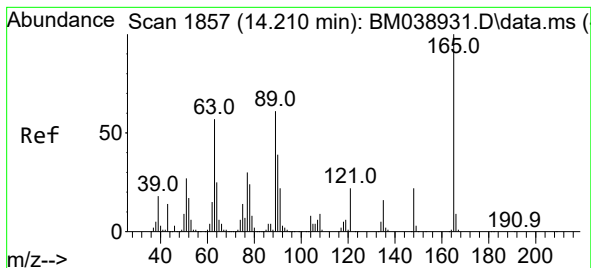
Tgt Ion:152 Resp: 1036909
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 11.281 ng
RT: 14.075 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:163 Resp: 819112
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.0 8.1 12.1

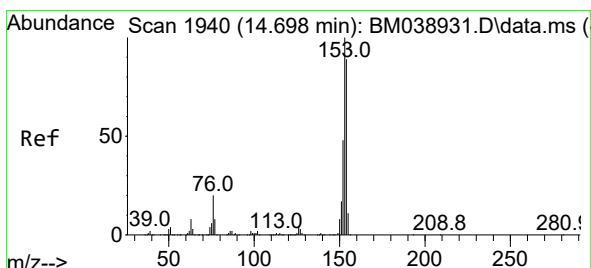
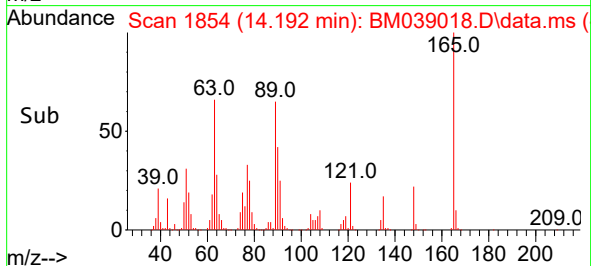
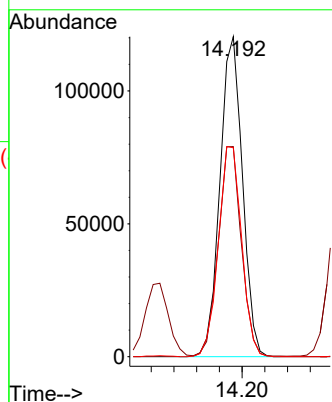
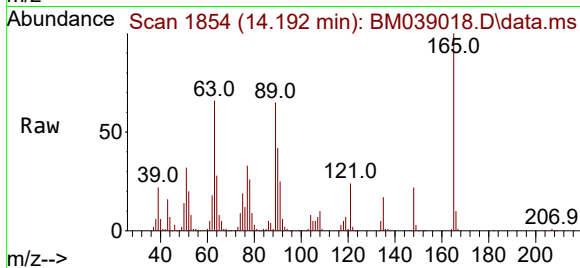




#51
2,6-Dinitrotoluene
Concen: 11.210 ng
RT: 14.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

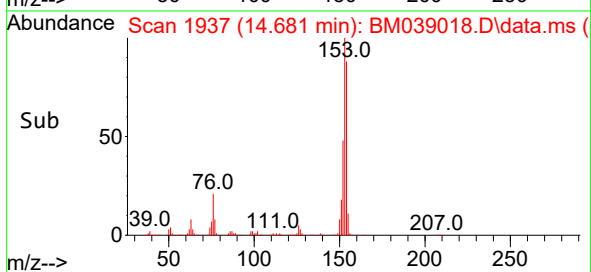
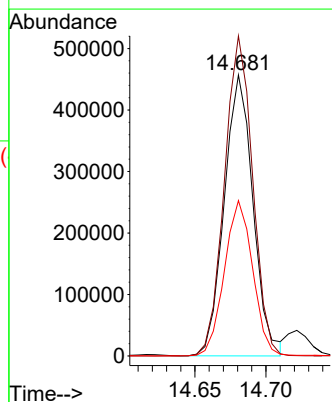
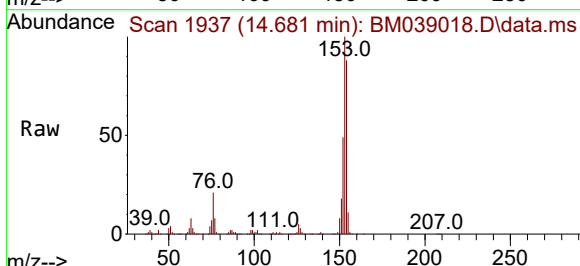
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

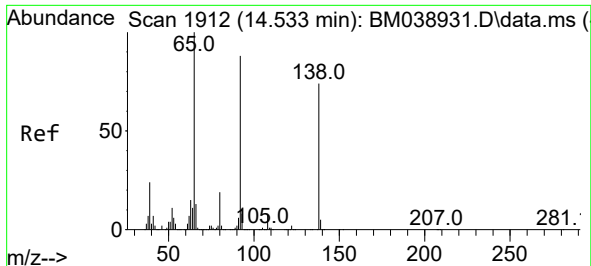
Tgt Ion:165 Resp: 165507
Ion Ratio Lower Upper
165 100
63 65.7 46.6 70.0
89 65.3 48.6 73.0



#52
Acenaphthene
Concen: 10.905 ng
RT: 14.681 min Scan# 1937
Delta R.T. 0.001 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:154 Resp: 643518
Ion Ratio Lower Upper
154 100
153 113.9 90.2 135.2
152 55.3 43.4 65.2

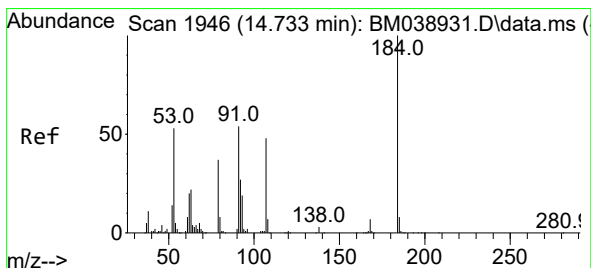
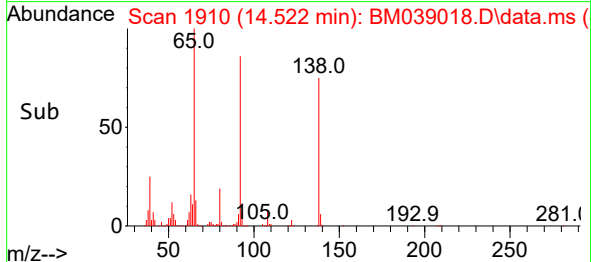
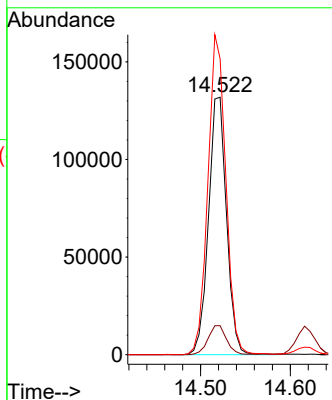
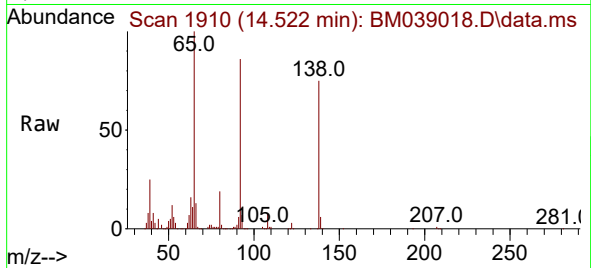




#53
3-Nitroaniline
Concen: 10.753 ng
RT: 14.522 min Scan# 1910
Delta R.T. 0.001 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

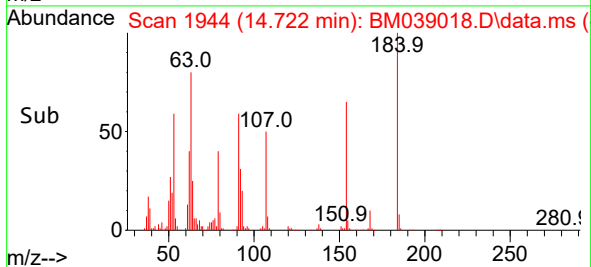
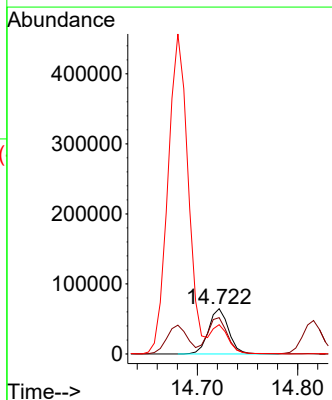
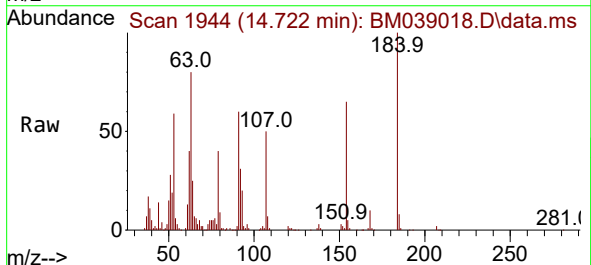
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

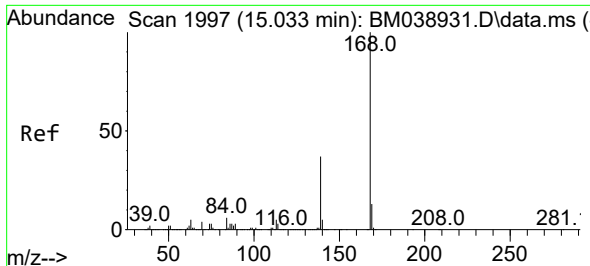
Tgt Ion:138 Resp: 184035
Ion Ratio Lower Upper
138 100
108 11.2 8.3 12.5
92 114.9 95.8 143.8



#54
2,4-Dinitrophenol
Concen: 11.195 ng
RT: 14.722 min Scan# 1944
Delta R.T. 0.001 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:184 Resp: 89063
Ion Ratio Lower Upper
184 100
63 80.4 60.6 90.8
154 64.6 51.4 77.2

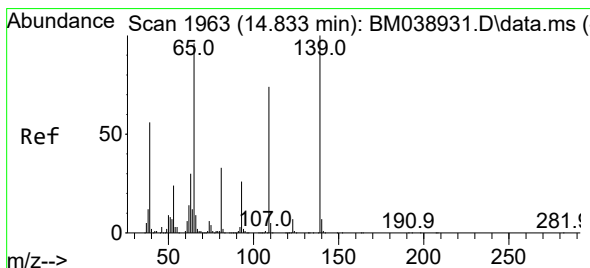
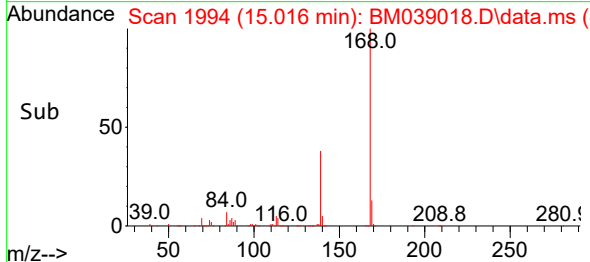
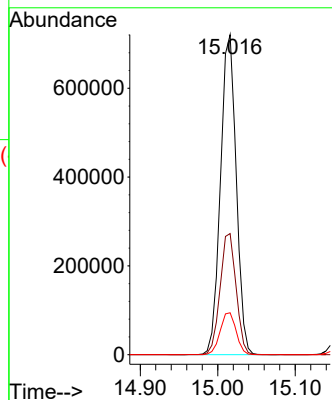
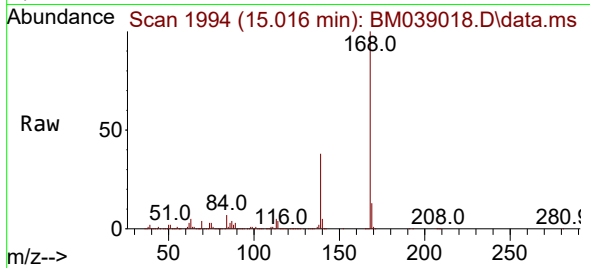




#55
Dibenzenofuran
Concen: 11.039 ng
RT: 15.016 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

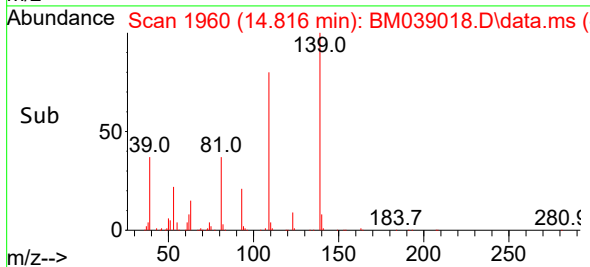
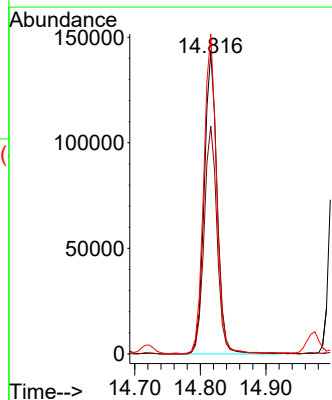
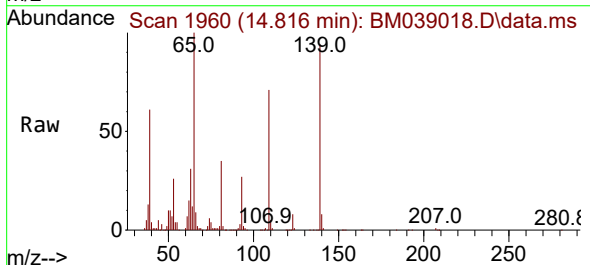
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

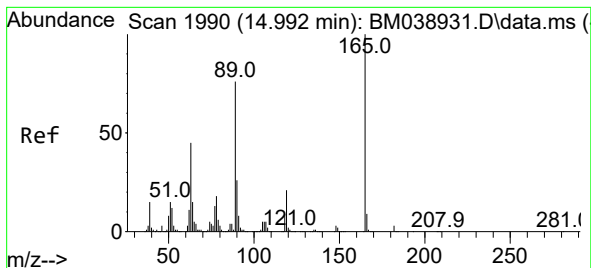
Tgt Ion:168 Resp: 1019361
Ion Ratio Lower Upper
168 100
139 37.9 29.9 44.9
169 13.1 10.7 16.1



#56
4-Nitrophenol
Concen: 13.597 ng
RT: 14.816 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:139 Resp: 196084
Ion Ratio Lower Upper
139 100
109 75.6 53.5 93.5
65 106.1 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 11.298 ng

RT: 14.975 min Scan# 1990

Delta R.T. 0.001 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:165 Resp: 213616

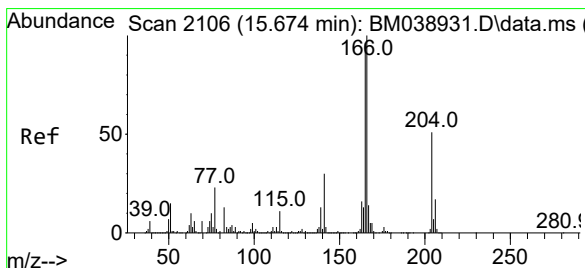
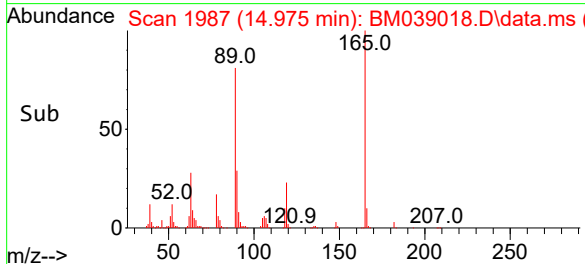
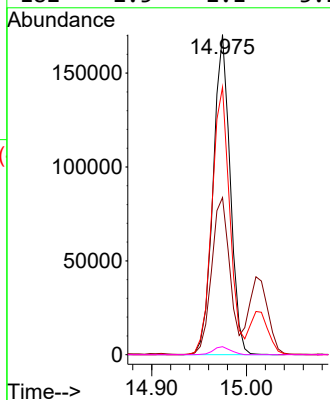
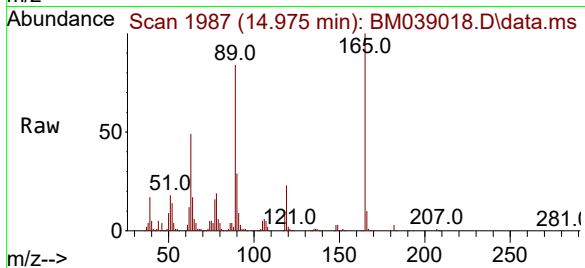
Ion Ratio Lower Upper

165 100

63 49.1 35.9 53.9

89 83.6 61.0 91.6

182 2.5 2.1 3.1



#58

Fluorene

Concen: 11.270 ng

RT: 15.663 min Scan# 2104

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

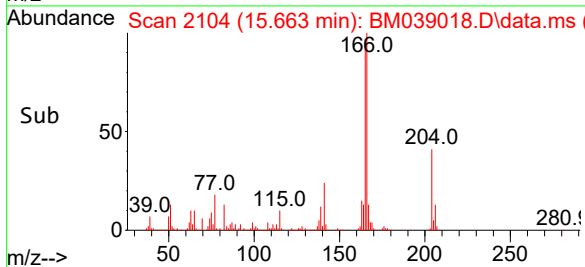
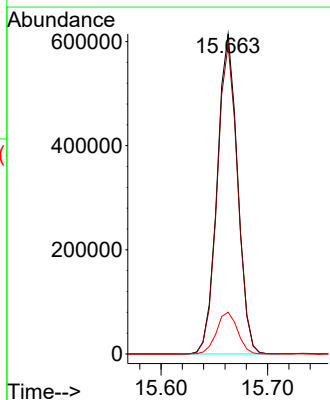
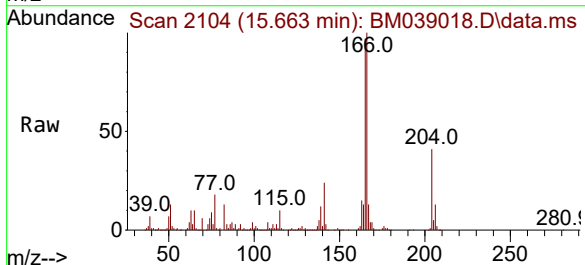
Tgt Ion:166 Resp: 815230

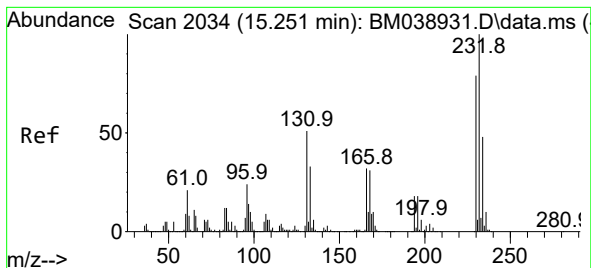
Ion Ratio Lower Upper

166 100

165 96.7 77.1 115.7

167 13.1 10.9 16.3

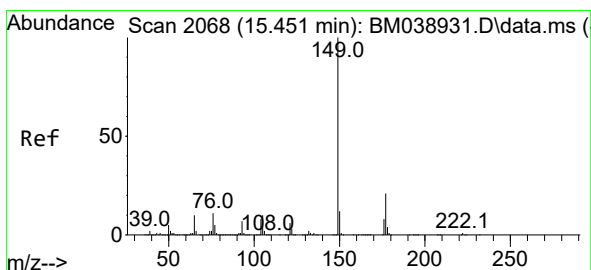
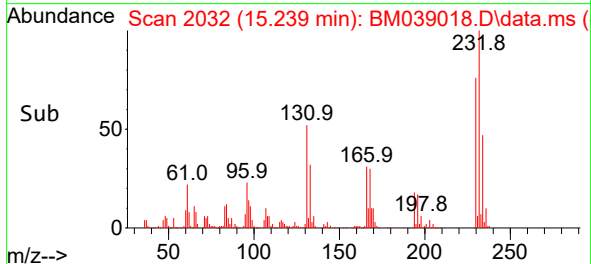
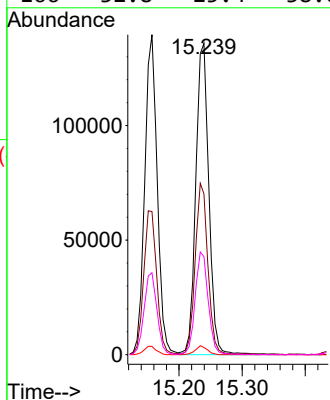
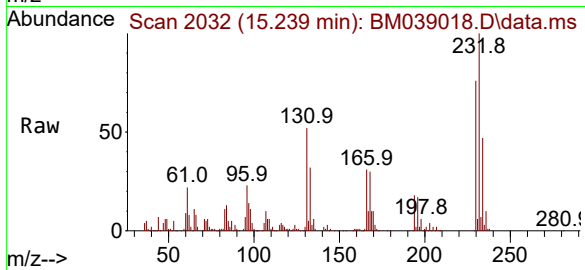




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.906 ng
RT: 15.239 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

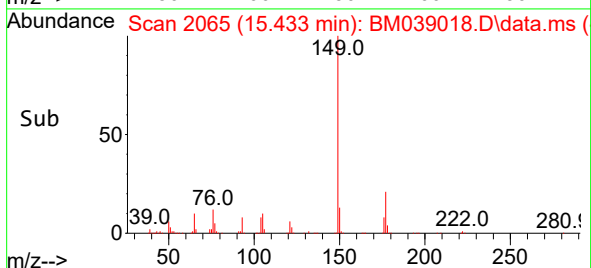
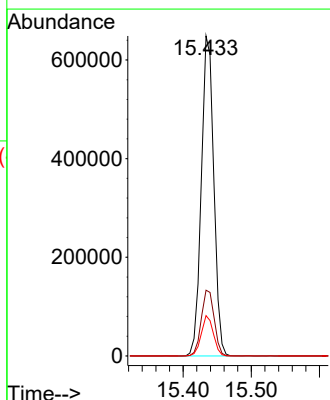
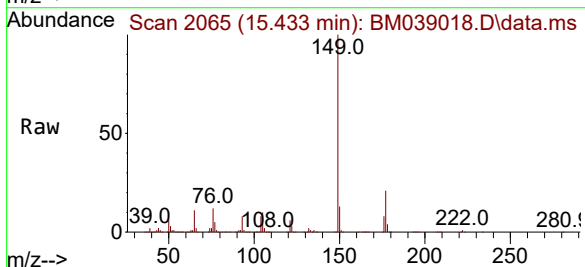
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

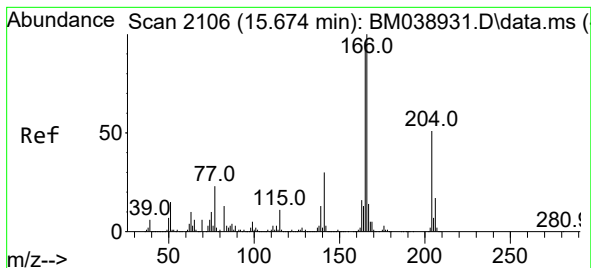
Tgt Ion:232 Resp: 195578
Ion Ratio Lower Upper
232 100
131 52.7 40.0 60.0
130 2.6 2.0 3.0
166 32.8 25.4 38.0



#60
Diethylphthalate
Concen: 11.700 ng
RT: 15.433 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:149 Resp: 826647
Ion Ratio Lower Upper
149 100
177 20.6 17.1 25.7
150 12.6 9.7 14.5

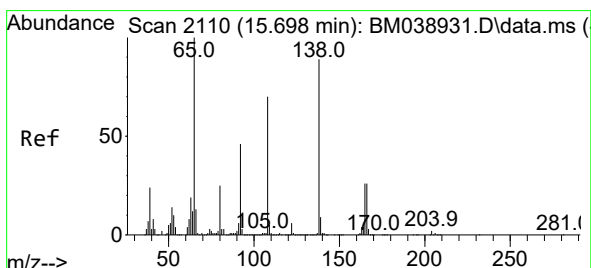
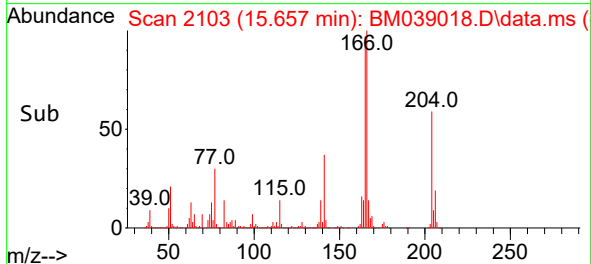
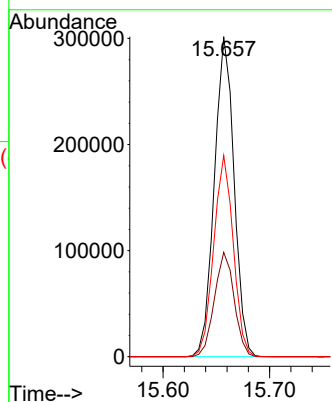
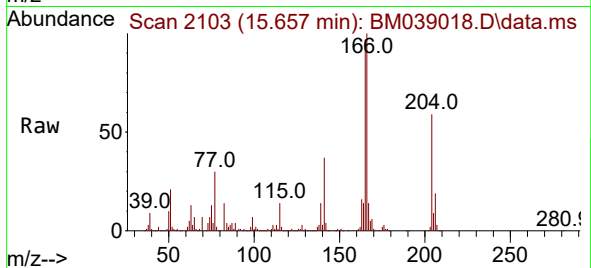




#61
4-Chlorophenyl-phenylether
Concen: 10.916 ng
RT: 15.657 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

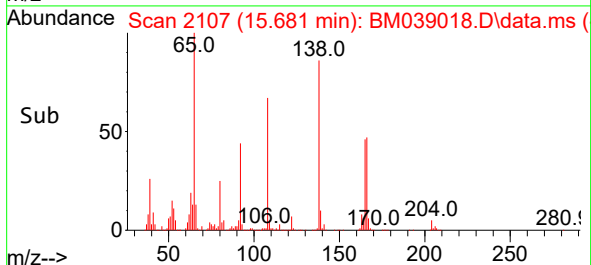
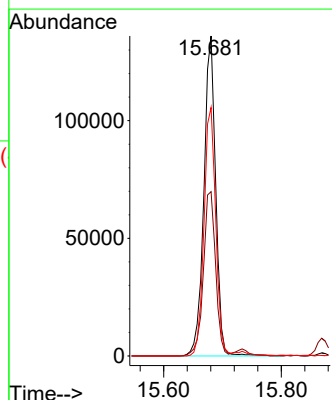
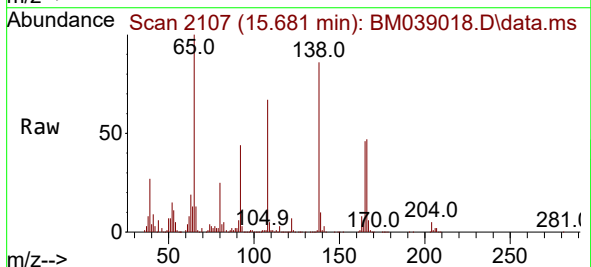
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

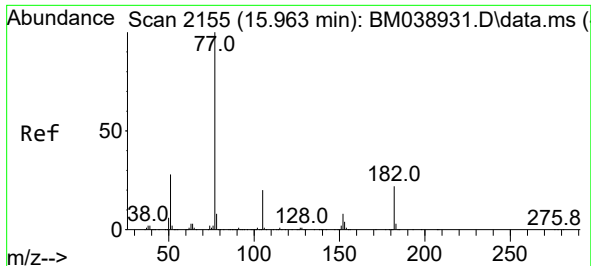
Tgt Ion:204 Resp: 387927
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 62.8 46.4 69.6



#62
4-Nitroaniline
Concen: 11.149 ng
RT: 15.681 min Scan# 2107
Delta R.T. -0.005 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:138 Resp: 190422
Ion Ratio Lower Upper
138 100
92 51.3 31.6 71.6
108 77.6 58.6 98.6

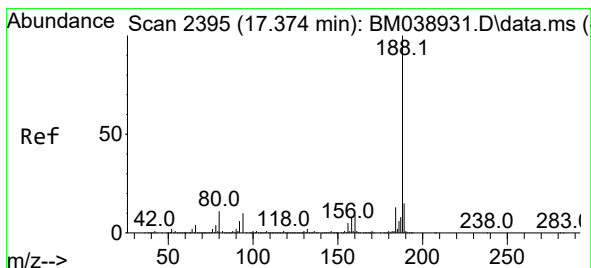
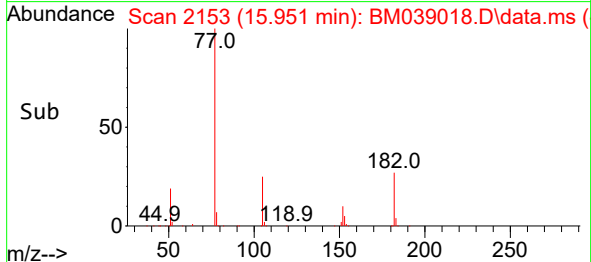
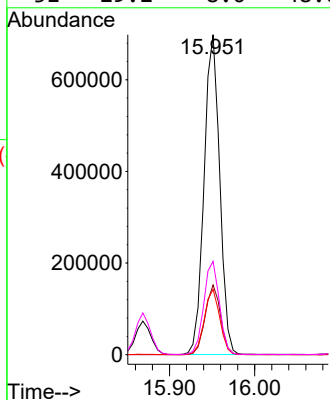
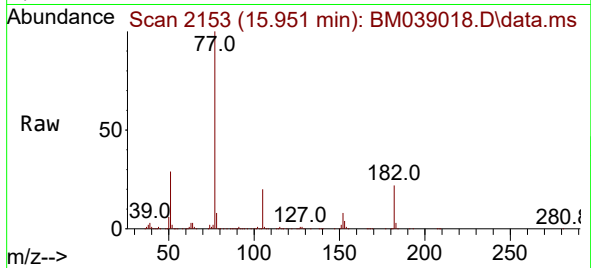




#63
Azobenzene
Concen: 11.898 ng
RT: 15.951 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

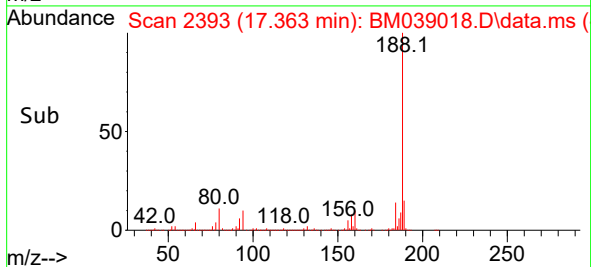
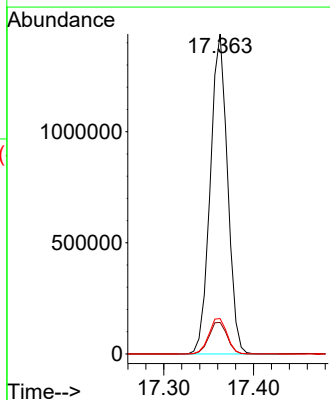
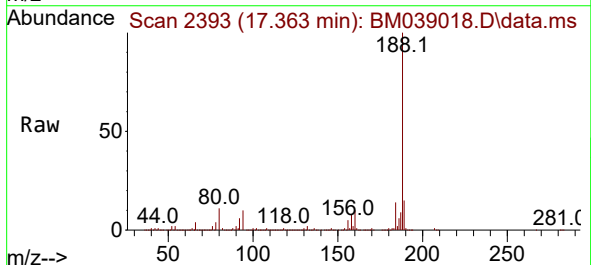
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

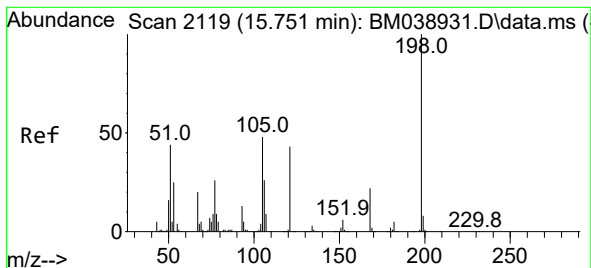
Tgt Ion: 77	Resp: 889442
Ion Ratio	Lower Upper
77 100	
182 21.8	2.0 42.0
105 20.4	0.4 40.4
51 29.2	8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.363 min Scan# 2393
Delta R.T. 0.001 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:188	Resp: 1923415		
Ion Ratio	Lower	Upper	
188 100			
94 9.8	7.9	11.9	
80 11.1	8.5	12.7	

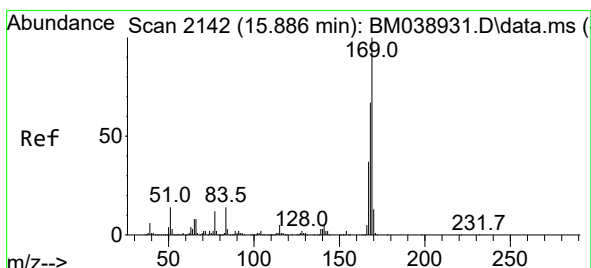
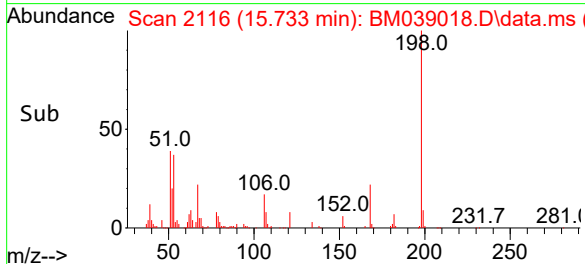
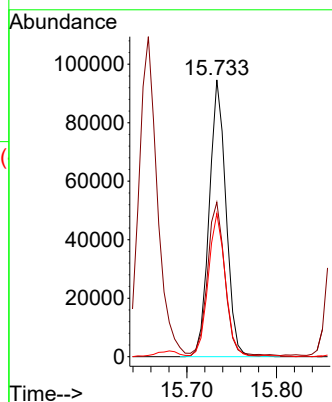
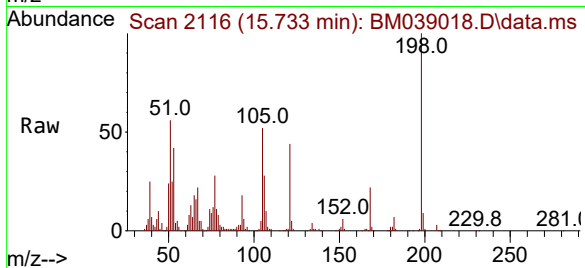




#65
4,6-Dinitro-2-methylphenol
Concen: 10.620 ng
RT: 15.733 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

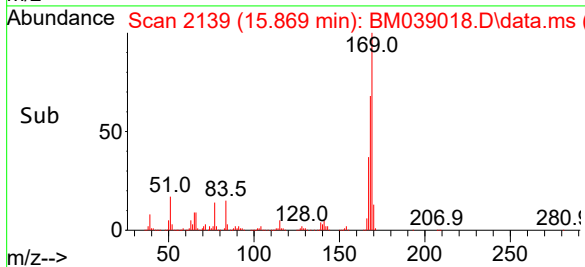
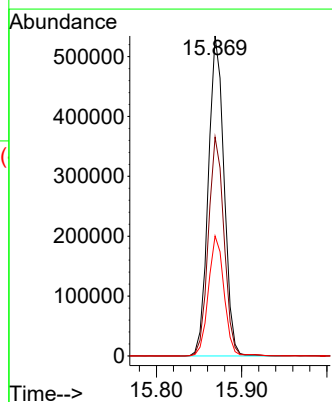
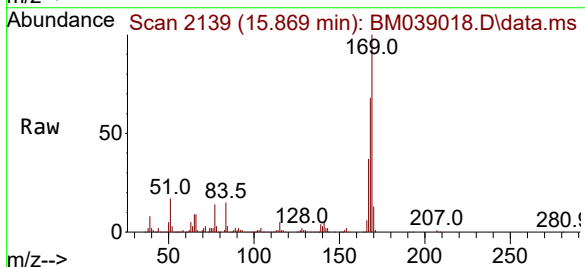
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

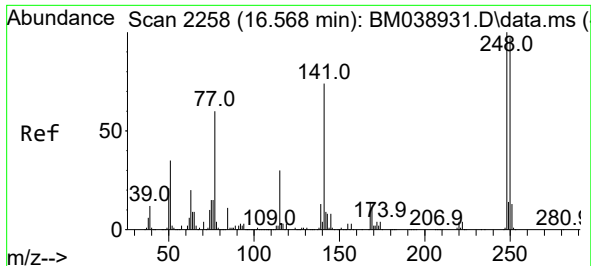
Tgt Ion:198 Resp: 122294
Ion Ratio Lower Upper
198 100
51 55.8 30.1 70.1
105 51.7 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 10.539 ng
RT: 15.869 min Scan# 2139
Delta R.T. -0.005 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:169 Resp: 683387
Ion Ratio Lower Upper
169 100
168 68.4 53.4 80.0
167 37.5 29.4 44.0

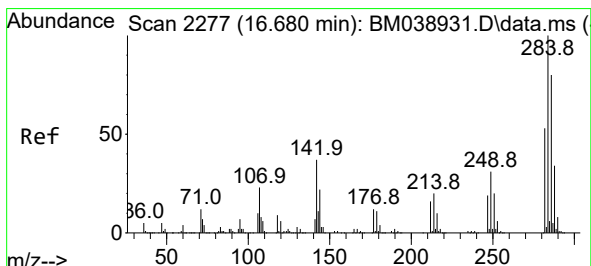
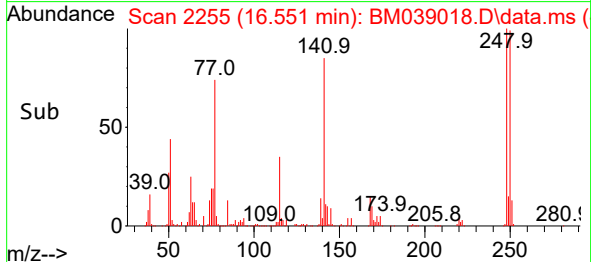
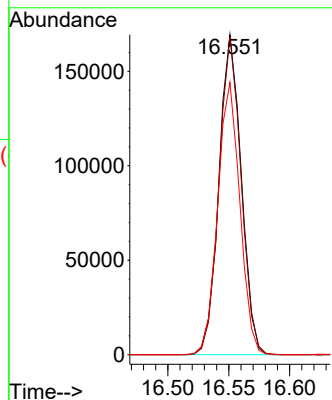
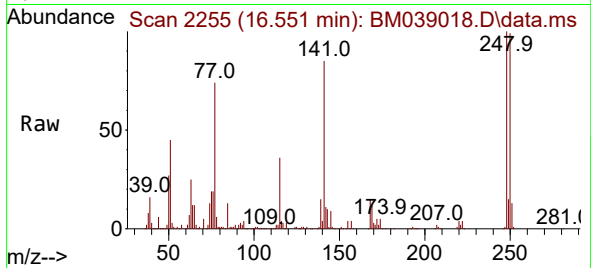




#67
4-Bromophenyl-phenylether
Concen: 10.424 ng
RT: 16.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

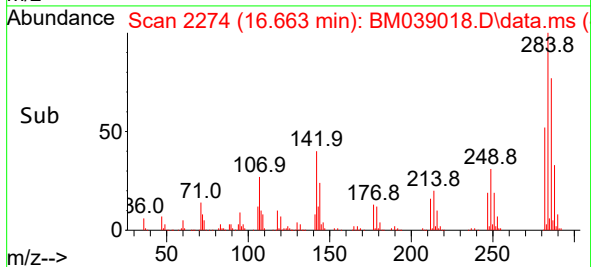
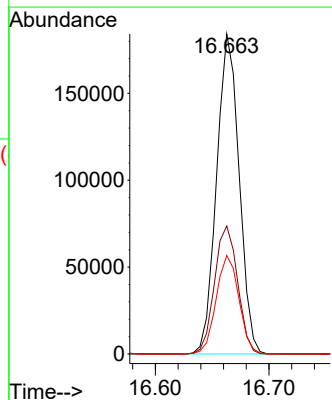
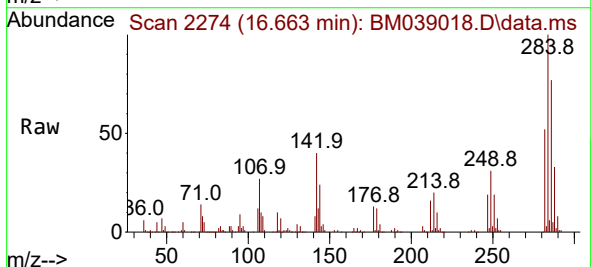
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

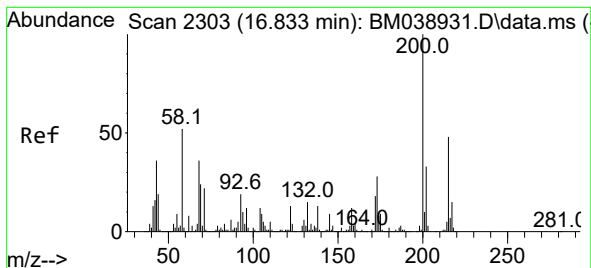
Tgt Ion:248 Resp: 216549
Ion Ratio Lower Upper
248 100
250 99.4 77.8 116.8
141 85.1 59.0 88.4



#68
Hexachlorobenzene
Concen: 10.935 ng
RT: 16.663 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:284 Resp: 253955
Ion Ratio Lower Upper
284 100
142 40.0 29.5 44.3
249 30.8 25.0 37.4





#69

Atrazine

Concen: 8.415 ng

RT: 16.822 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

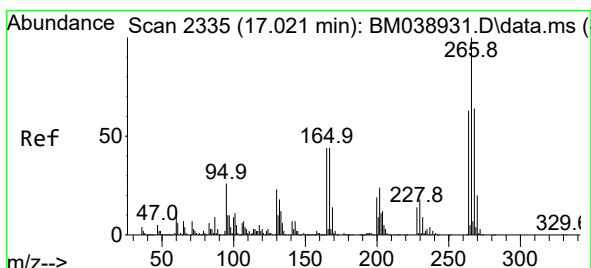
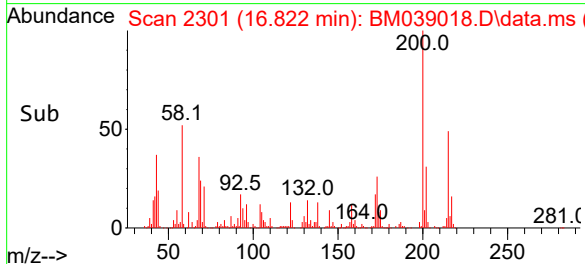
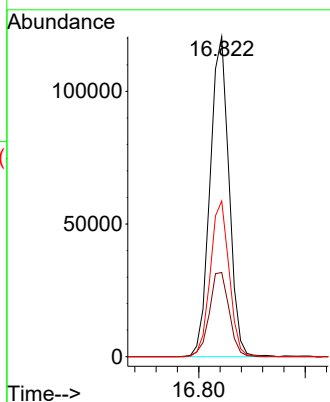
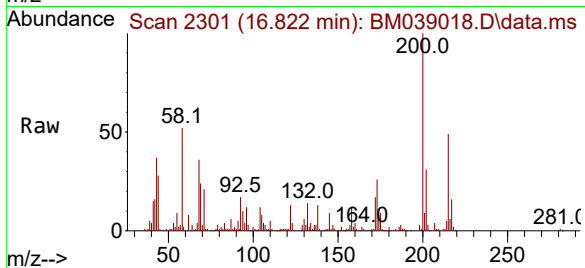
Tgt Ion:200 Resp: 149042

Ion Ratio Lower Upper

200 100

173 26.3 8.2 48.2

215 48.7 27.8 67.8



#70

Pentachlorophenol

Concen: 9.852 ng

RT: 17.004 min Scan# 2332

Delta R.T. -0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

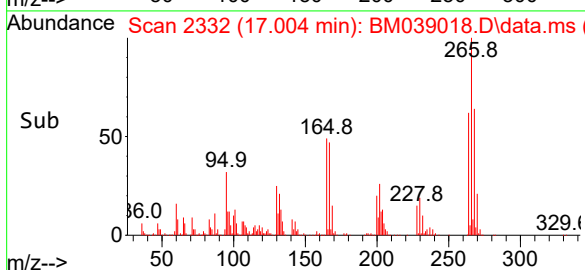
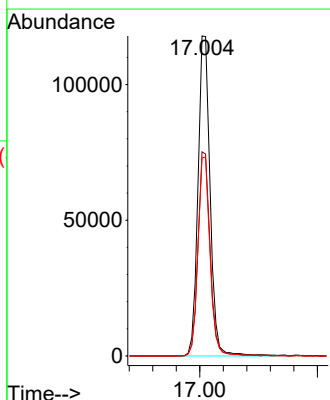
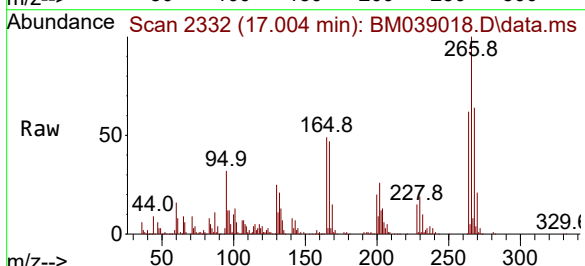
Tgt Ion:266 Resp: 168291

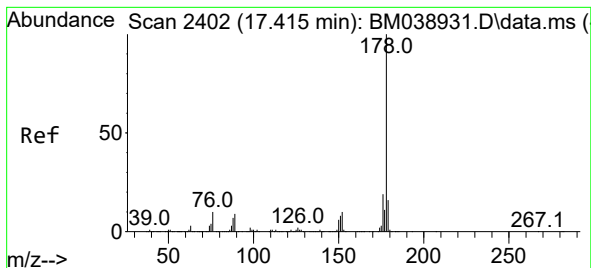
Ion Ratio Lower Upper

266 100

268 63.8 51.0 76.4

264 61.9 50.3 75.5





#71

Phenanthrene

Concen: 10.944 ng

RT: 17.404 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

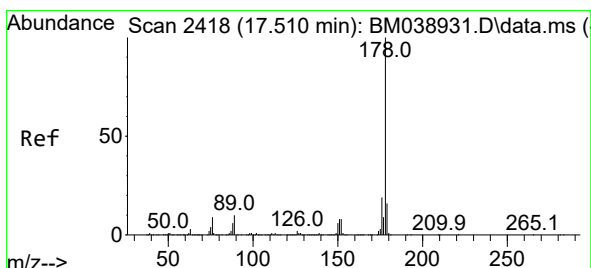
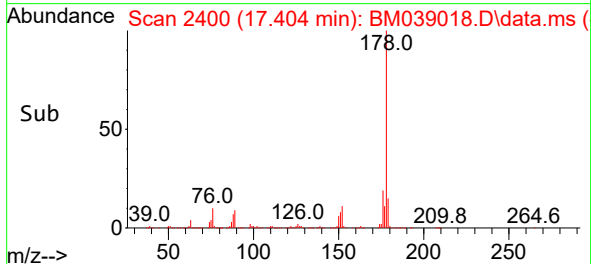
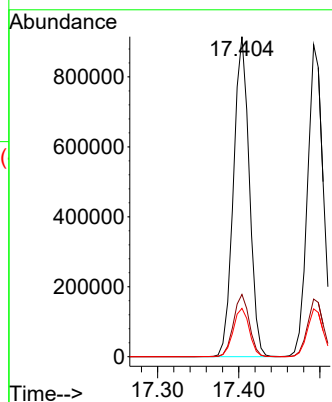
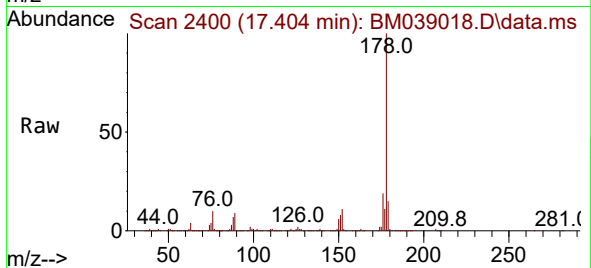
Tgt Ion:178 Resp: 1235398

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.1 12.5 18.7



#72

Anthracene

Concen: 10.830 ng

RT: 17.492 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

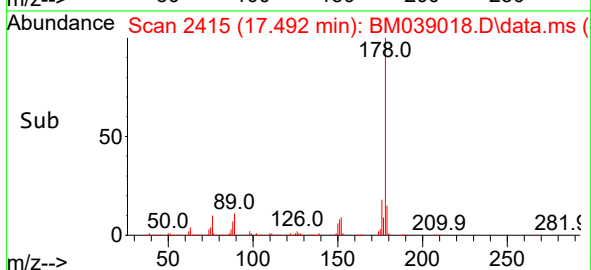
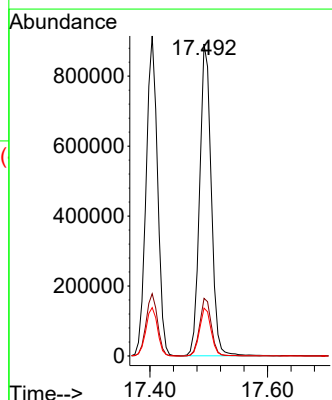
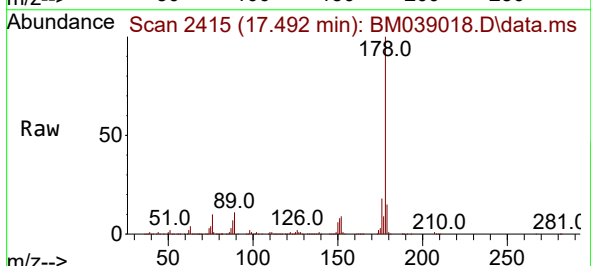
Tgt Ion:178 Resp: 1219233

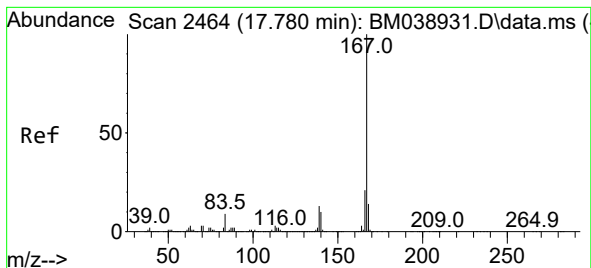
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.3 12.5 18.7





#73

Carbazole

Concen: 11.094 ng

RT: 17.763 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

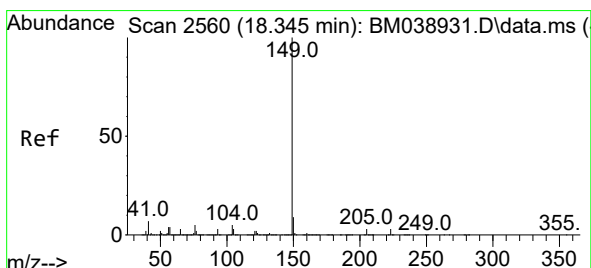
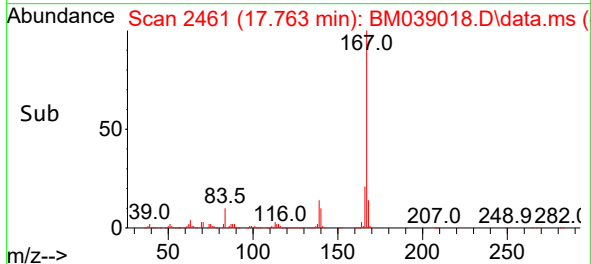
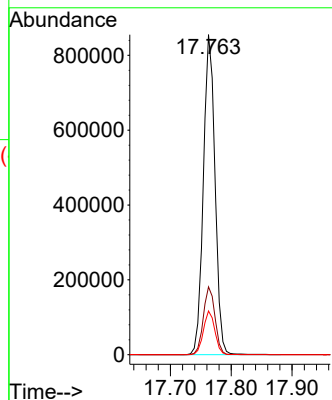
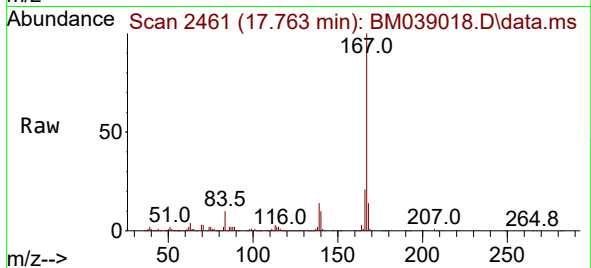
Tgt Ion:167 Resp: 1139788

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.4

139 13.7 10.3 15.5



#74

Di-n-butylphthalate

Concen: 11.688 ng

RT: 18.333 min Scan# 2558

Delta R.T. 0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

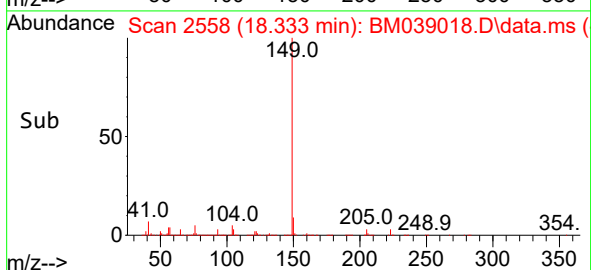
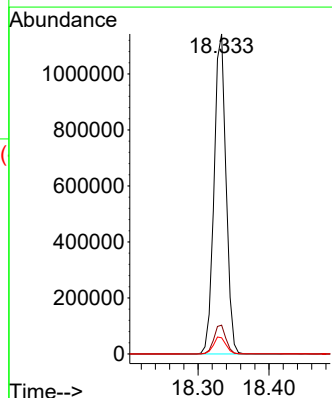
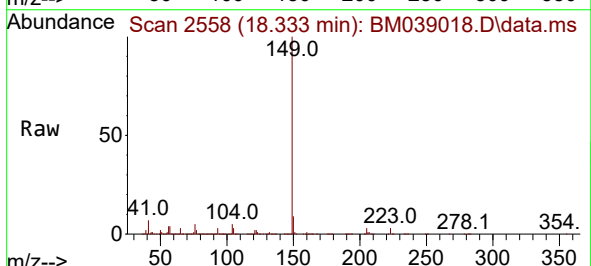
Tgt Ion:149 Resp: 1333943

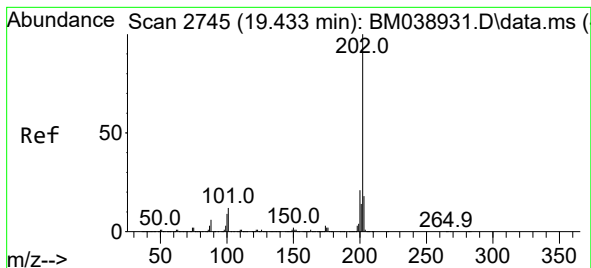
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 5.1 4.3 6.5





#75

Fluoranthene

Concen: 10.823 ng

RT: 19.416 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

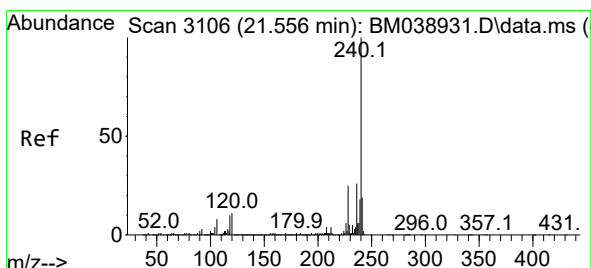
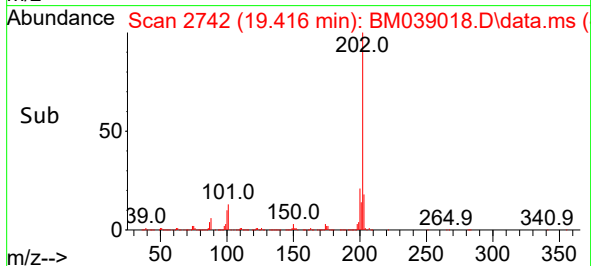
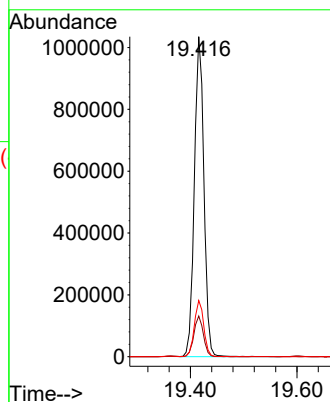
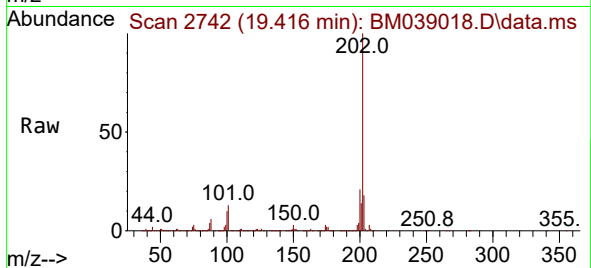
Tgt Ion:202 Resp: 1289986

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.7

203 17.6 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.545 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

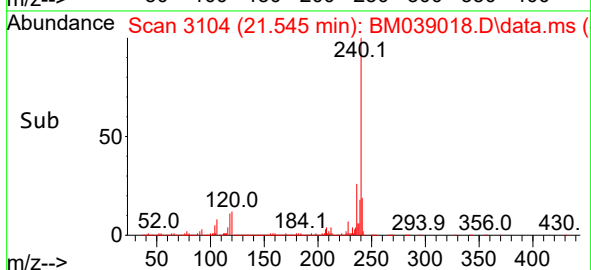
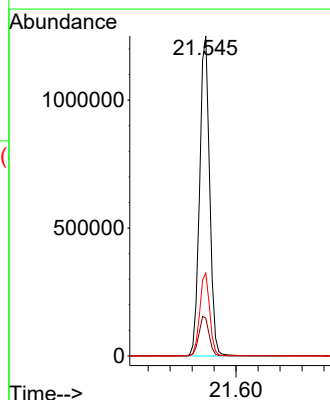
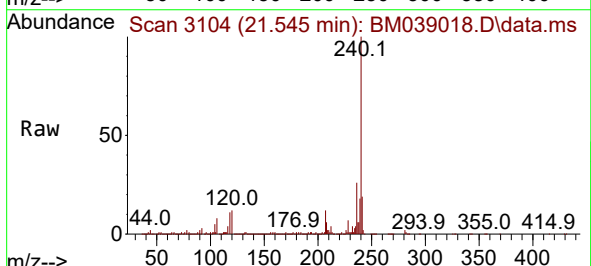
Tgt Ion:240 Resp: 1581669

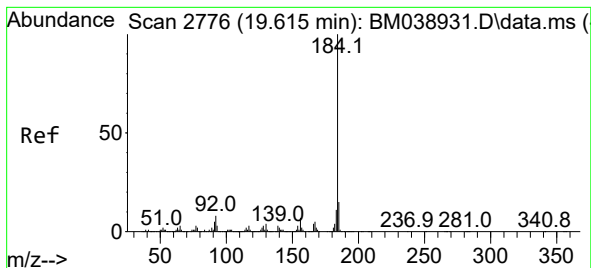
Ion Ratio Lower Upper

240 100

120 11.8 9.2 13.8

236 25.8 20.8 31.2





#77

Benzidine

Concen: 12.603 ng

RT: 19.604 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

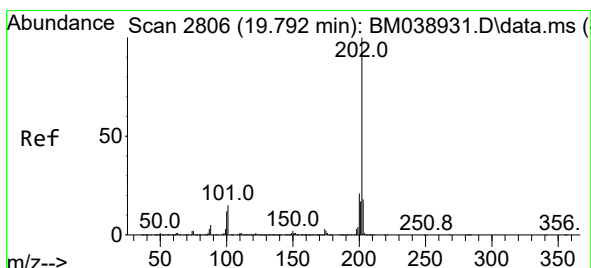
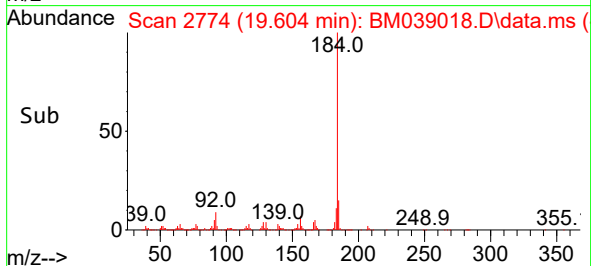
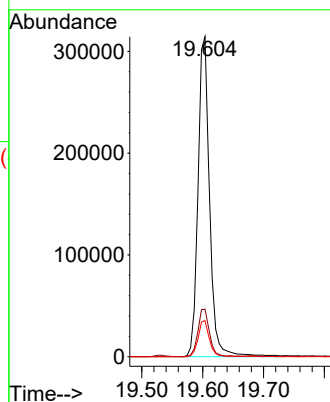
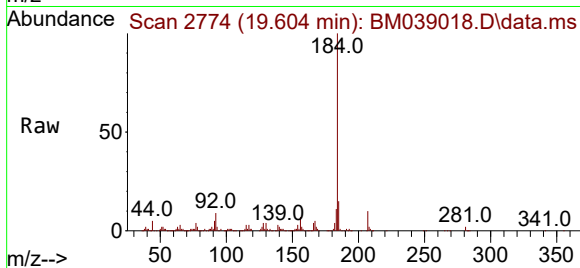
Tgt Ion:184 Resp: 415462

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.4

183 11.3 8.8 13.2



#78

Pyrene

Concen: 11.318 ng

RT: 19.780 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

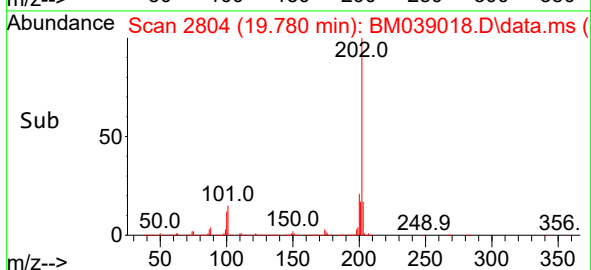
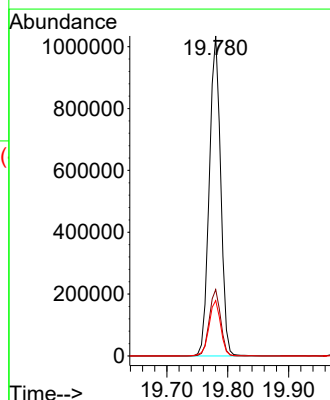
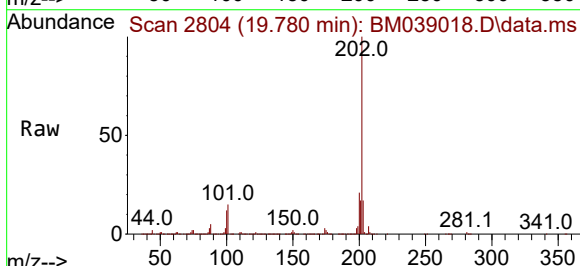
Tgt Ion:202 Resp: 1344538

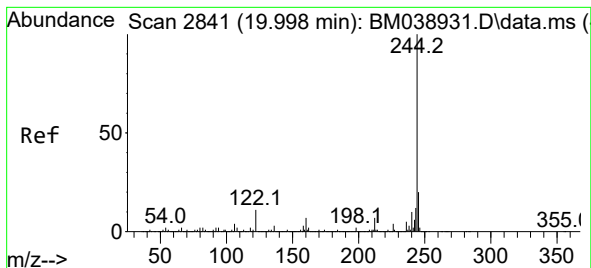
Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 74.912 ng

RT: 19.986 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

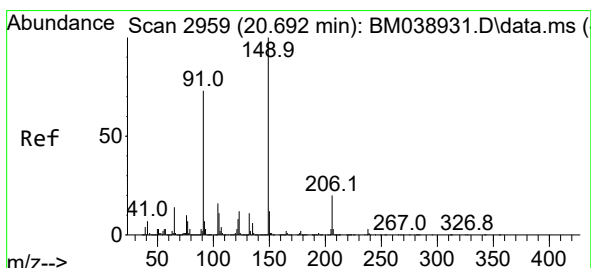
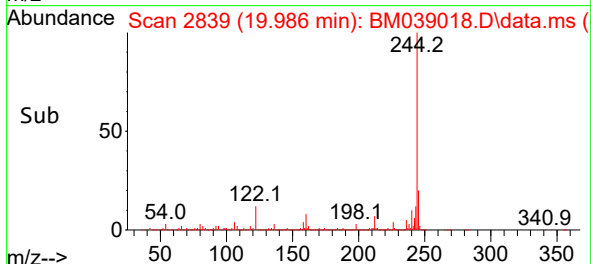
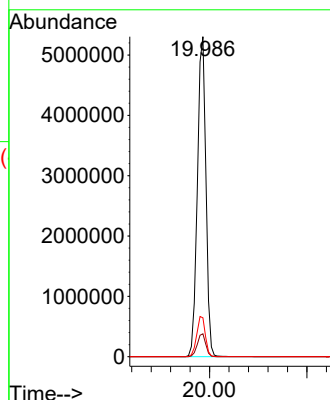
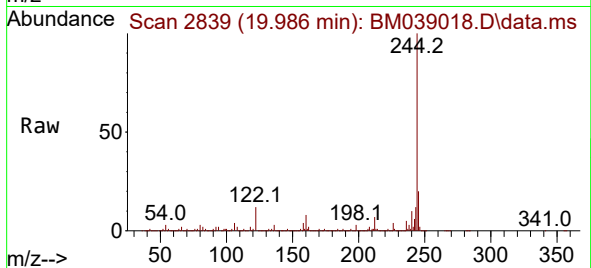
Tgt Ion:244 Resp: 6480528

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.2 9.0 13.4



#80

Butylbenzylphthalate

Concen: 11.686 ng

RT: 20.674 min Scan# 2956

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

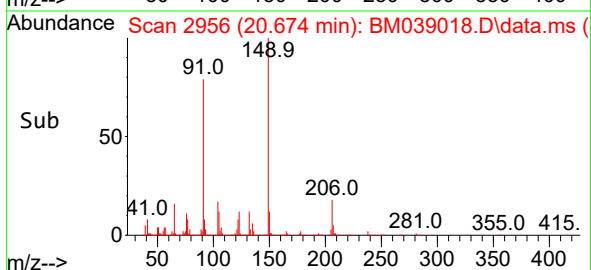
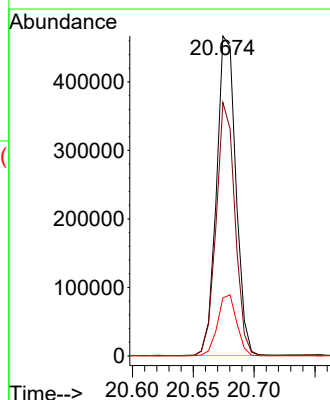
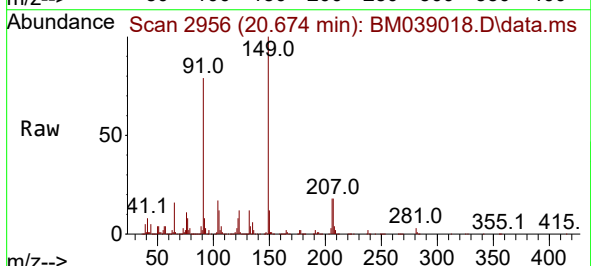
Tgt Ion:149 Resp: 515590

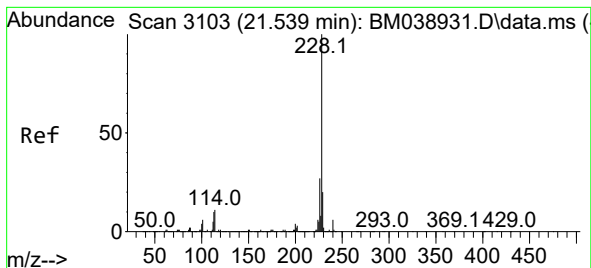
Ion Ratio Lower Upper

149 100

91 79.2 58.4 87.6

206 18.2 16.1 24.1





#81

Benzo(a)anthracene

Concen: 10.828 ng

RT: 21.527 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

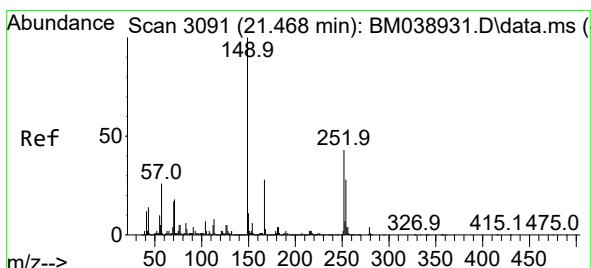
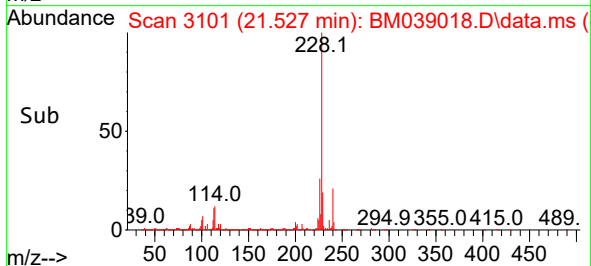
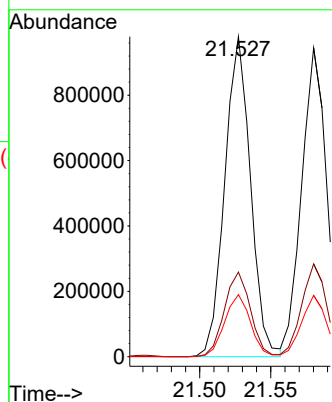
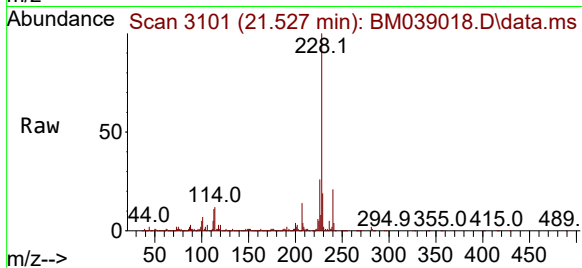
Tgt Ion:228 Resp: 1233397

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

229 19.4 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 8.437 ng

RT: 21.462 min Scan# 3090

Delta R.T. 0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

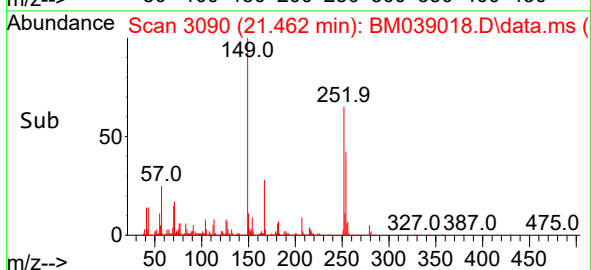
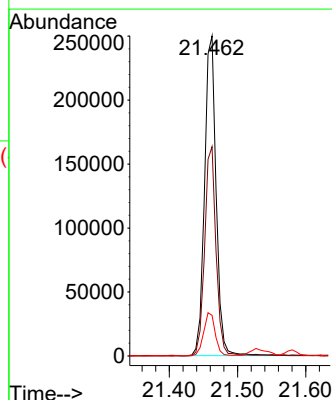
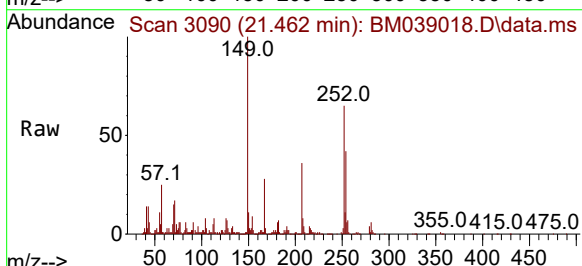
Tgt Ion:252 Resp: 295362

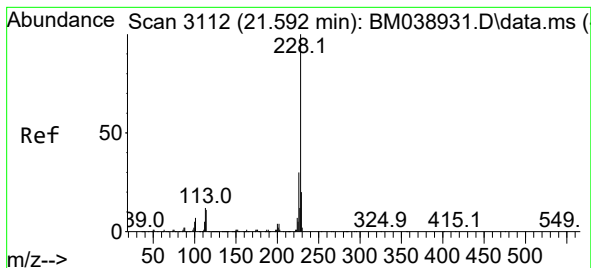
Ion Ratio Lower Upper

252 100

254 65.4 51.5 77.3

126 12.7 9.9 14.9





#83

Chrysene

Concen: 10.481 ng

RT: 21.580 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

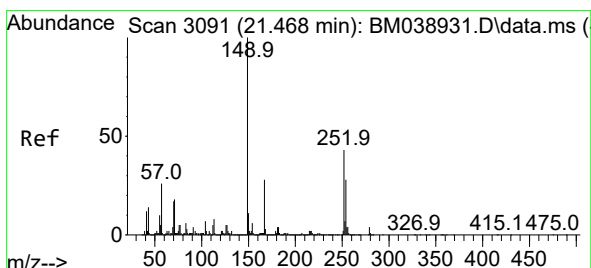
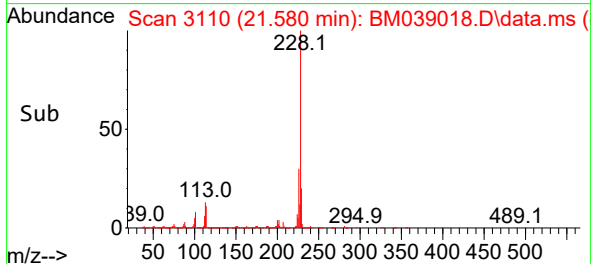
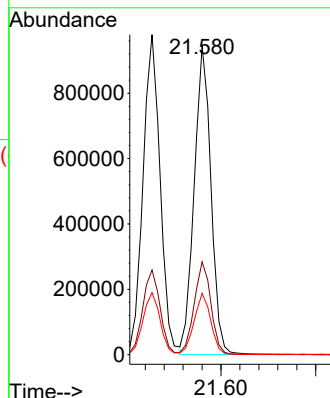
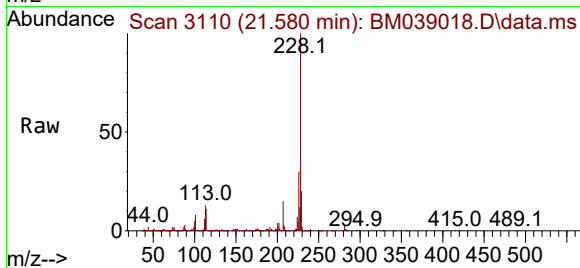
Tgt Ion:228 Resp: 1161088

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

229 19.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.625 ng

RT: 21.457 min Scan# 3089

Delta R.T. 0.007 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

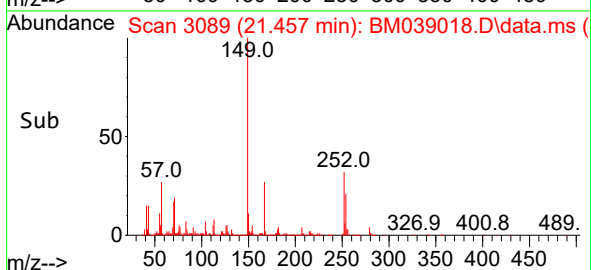
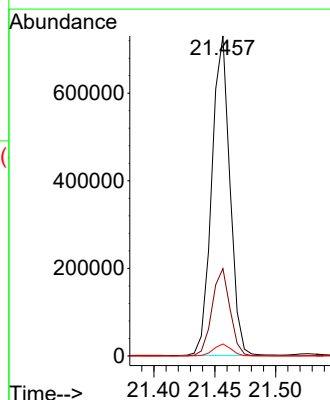
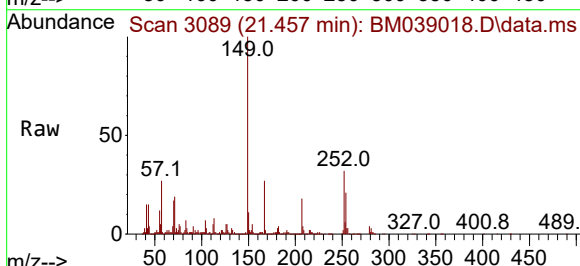
Tgt Ion:149 Resp: 752733

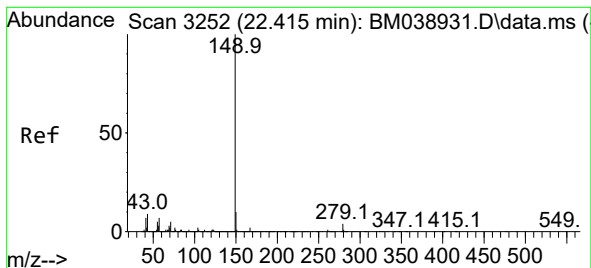
Ion Ratio Lower Upper

149 100

167 27.3 22.3 33.5

279 3.7 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 10.187 ng

RT: 22.398 min Scan# 31

Delta R.T. 0.007 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

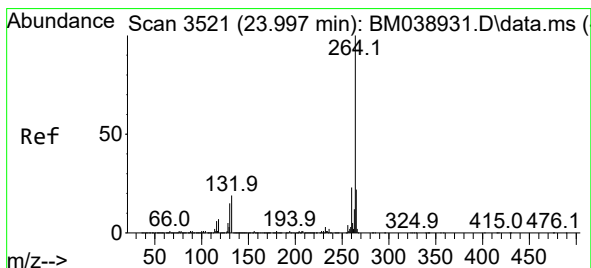
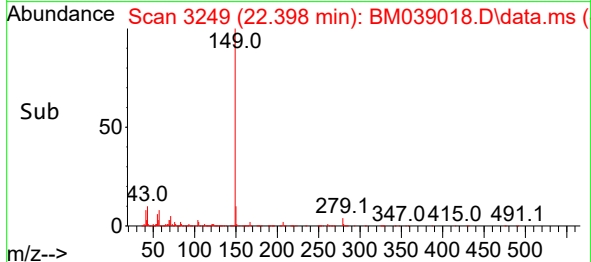
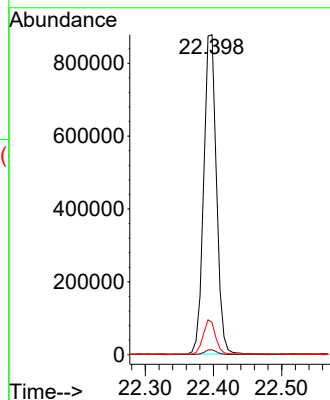
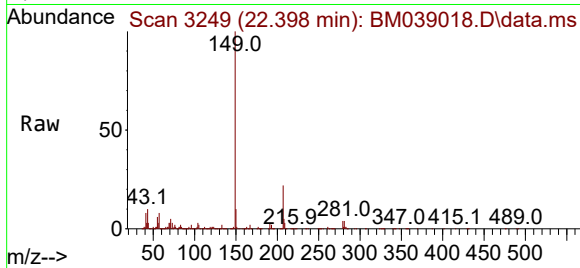
Tgt Ion:149 Resp: 1139073

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.7 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.986 min Scan# 3519

Delta R.T. 0.006 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

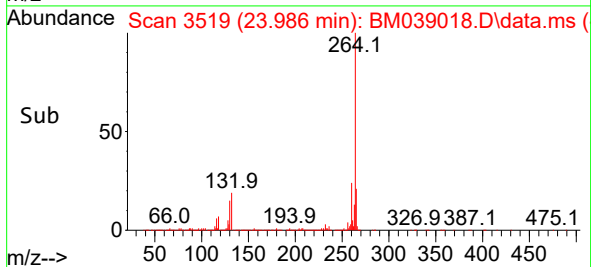
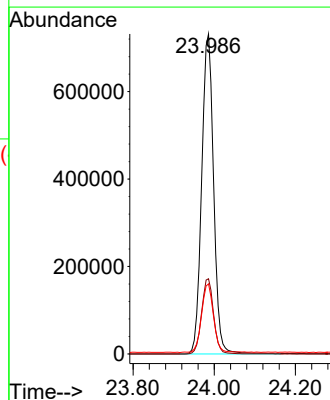
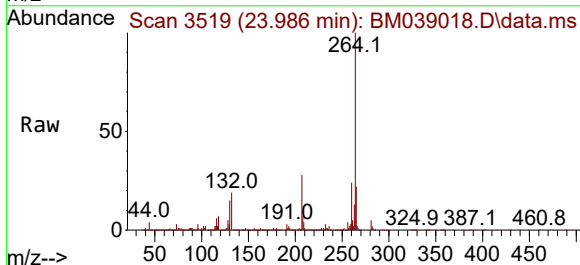
Tgt Ion:264 Resp: 1492991

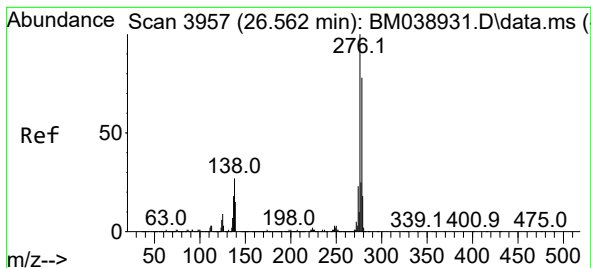
Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.9 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.811 ng

RT: 26.521 min Scan# 3950

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

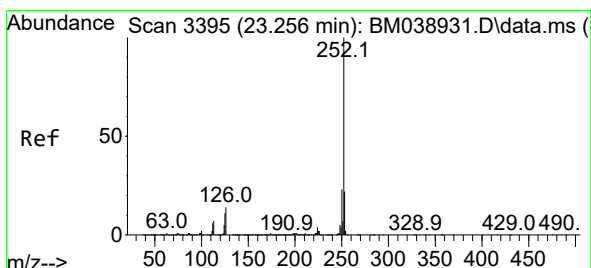
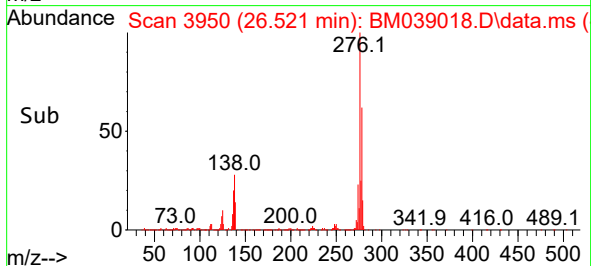
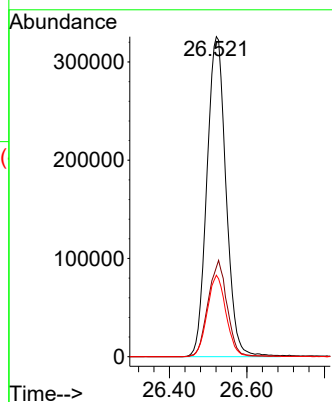
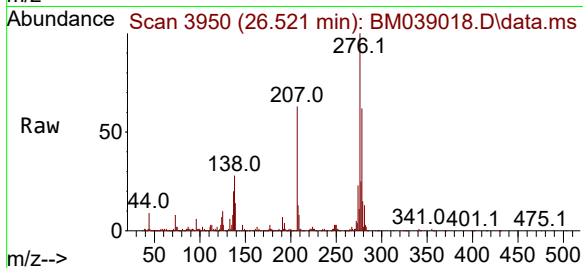
Tgt Ion:276 Resp: 1114580

Ion Ratio Lower Upper

276 100

138 29.9 22.1 33.1

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 11.628 ng

RT: 23.239 min Scan# 3392

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

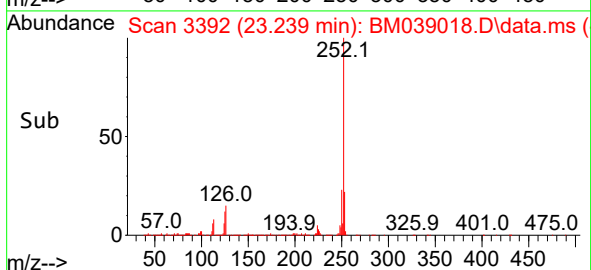
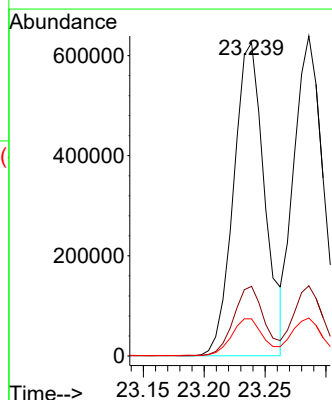
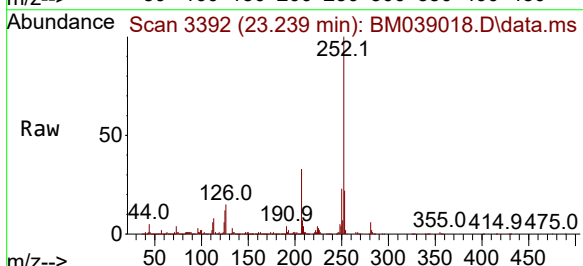
Tgt Ion:252 Resp: 1109145

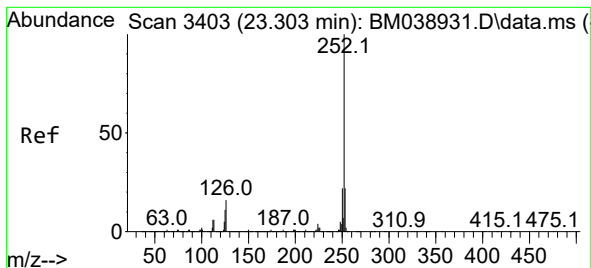
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 11.9 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 10.929 ng

RT: 23.286 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

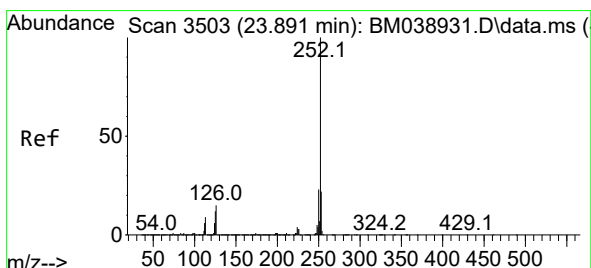
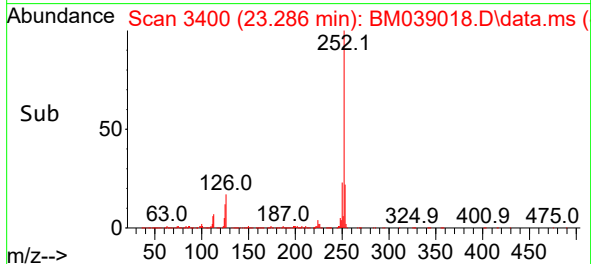
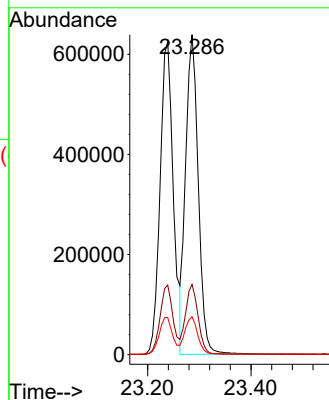
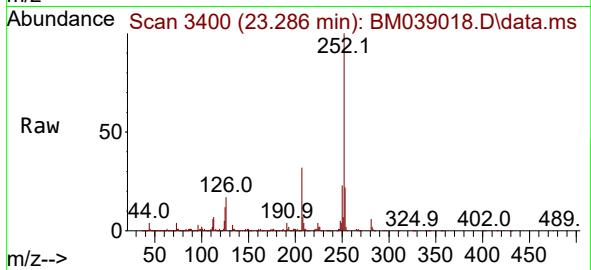
Tgt Ion:252 Resp: 1084886

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.8 8.9 13.3



#90

Benzo(a)pyrene

Concen: 9.760 ng

RT: 23.874 min Scan# 3500

Delta R.T. 0.000 min

Lab File: BM039018.D

Acq: 16 Mar 2023 15:31

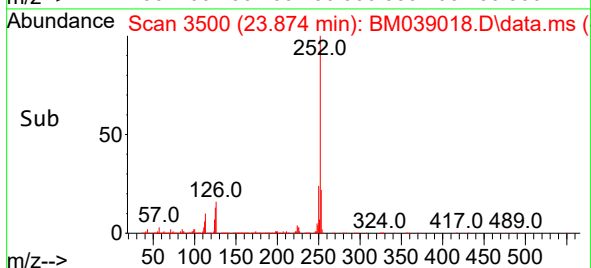
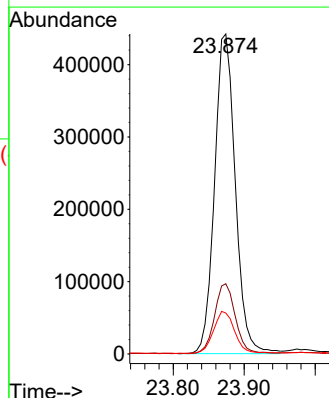
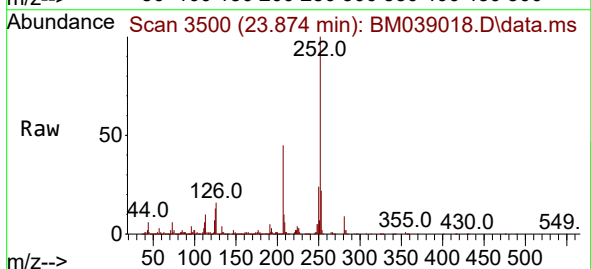
Tgt Ion:252 Resp: 895916

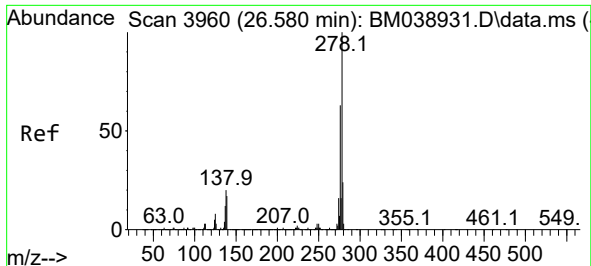
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 12.8 9.8 14.8

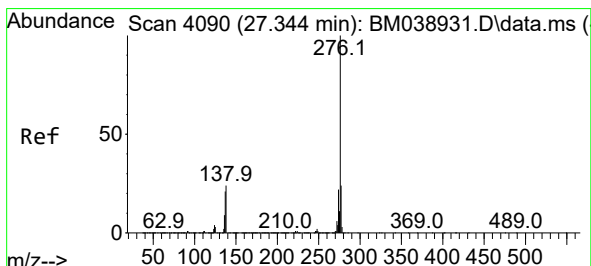
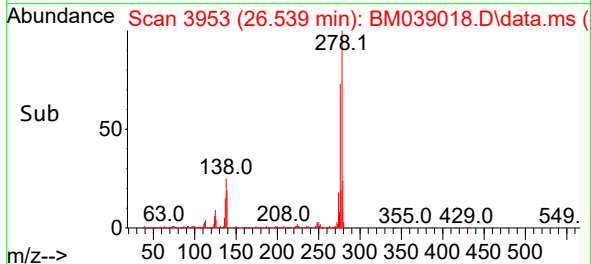
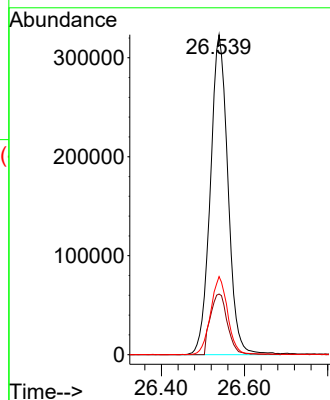
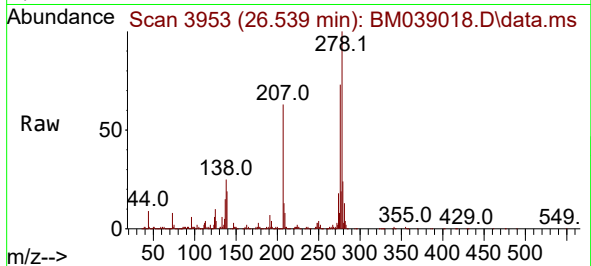




#91
Dibenzo(a,h)anthracene
Concen: 9.887 ng
RT: 26.539 min Scan# 3960
Delta R.T. 0.000 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:278 Resp: 951189
Ion Ratio Lower Upper
278 100
139 19.0 13.7 20.5
279 24.4 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 9.495 ng
RT: 27.297 min Scan# 4082
Delta R.T. -0.006 min
Lab File: BM039018.D
Acq: 16 Mar 2023 15:31

Tgt Ion:276 Resp: 893703
Ion Ratio Lower Upper
276 100
277 24.2 19.3 28.9
138 26.2 19.0 28.6

