

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039021.D
 Acq On : 16 Mar 2023 18:13
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 17 06:17:45 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	324072	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	1303163	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	754455	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	1493343	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1235775	20.000	ng	0.00
86) Perylene-d12	23.980	264	1252468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2225635	104.341	ng	0.00
7) Phenol-d6	7.134	99	2904283	104.824	ng	0.00
23) Nitrobenzene-d5	9.145	82	2032811	76.624	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	853946	97.842	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4090893	70.588	ng	0.00
79) Terphenyl-d14	19.980	244	5231773	77.404	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	35364	3.727	ng	98
3) Pyridine	3.816	79	67781	2.575	ng	93
4) n-Nitrosodimethylamine	3.716	42	37205	3.474	ng	# 94
6) Aniline	7.304	93	122383	3.364	ng	96
8) 2-Chlorophenol	7.534	128	78896	3.474	ng	94
9) Benzaldehyde	7.110	77	81524	6.183	ng	98
10) Phenol	7.157	94	105052	3.570	ng	90
11) bis(2-Chloroethyl)ether	7.398	93	82857	3.464	ng	97
12) 1,3-Dichlorobenzene	7.863	146	86581	3.588	ng	98
13) 1,4-Dichlorobenzene	8.010	146	88528	3.607	ng	97
14) 1,2-Dichlorobenzene	8.334	146	85173	3.603	ng	99
15) Benzyl Alcohol	8.216	79	68012	3.425	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.510	45	119178	3.945	ng	99
17) 2-Methylphenol	8.416	107	61770	3.056	ng	99
18) Hexachloroethane	9.063	117	31724	3.503	ng	93
19) n-Nitroso-di-n-propyla...	8.786	70	62892	3.604	ng	98
20) 3+4-Methylphenols	8.745	107	79280	2.938	ng	98
22) Acetophenone	8.804	105	127350	3.483	ng	# 98
24) Nitrobenzene	9.186	77	104688	3.754	ng	99
25) Isophorone	9.710	82	159709	3.271	ng	97
26) 2-Nitrophenol	9.898	139	31042	2.817	ng	94
27) 2,4-Dimethylphenol	9.957	122	65810	3.094	ng	98
28) bis(2-Chloroethoxy)met...	10.198	93	107399	3.424	ng	99
29) 2,4-Dichlorophenol	10.433	162	57650	2.859	ng	98
30) 1,2,4-Trichlorobenzene	10.651	180	72007	3.267	ng	99
31) Naphthalene	10.839	128	249445	3.357	ng	99
33) 4-Chloroaniline	10.951	127	95657	3.021	ng	99
34) Hexachlorobutadiene	11.128	225	39279	3.108	ng	97
35) Caprolactam	11.716	113	16678	2.717	ng	96
36) 4-Chloro-3-methylphenol	12.063	107	62558	2.913	ng	93
37) 2-Methylnaphthalene	12.445	142	159042	3.193	ng	100
38) 1-Methylnaphthalene	12.663	142	148588	3.184	ng	98
40) 1,2,4,5-Tetrachloroben...	12.810	216	76869	3.134	ng	99
41) Hexachlorocyclopentadiene	12.792	237	43568	3.236	ng	98
43) 2,4,6-Trichlorophenol	13.051	196	40955	2.579	ng	97
44) 2,4,5-Trichlorophenol	13.116	196	46456	2.499	ng	97

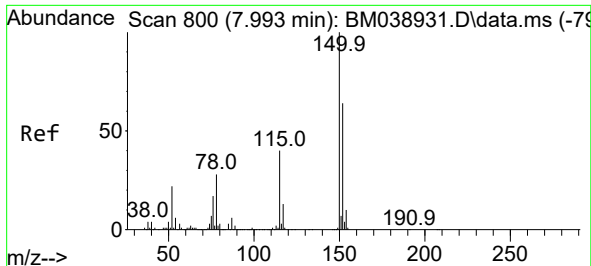
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.451	154	221462	3.465	ng	99
47) 2-Chloronaphthalene	13.492	162	159689	3.313	ng	97
48) 2-Nitroaniline	13.698	65	37192	2.687	ng	94
49) Acenaphthylene	14.339	152	226135	2.946	ng	98
50) Dimethylphthalate	14.074	163	184944	3.186	ng	99
51) 2,6-Dinitrotoluene	14.186	165	28883	2.447	ng	# 66
52) Acenaphthene	14.680	154	150135	3.182	ng	99
53) 3-Nitroaniline	14.516	138	32714	2.391	ng	86
55) Dibenzofuran	15.010	168	238657	3.233	ng	99
56) 4-Nitrophenol	14.816	139	24076	2.088	ng	88
57) 2,4-Dinitrotoluene	14.974	165	33487	2.215	ng	# 81
58) Fluorene	15.663	166	182439	3.155	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	40572	2.830	ng	97
60) Diethylphthalate	15.433	149	172947	3.062	ng	99
61) 4-Chlorophenyl-phenyle...	15.657	204	88180	3.104	ng	96
62) 4-Nitroaniline	15.674	138	29602	2.168	ng	89
63) Azobenzene	15.951	77	173990	2.911	ng	99
66) n-Nitrosodiphenylamine	15.868	169	145746	2.895	ng	99
67) 4-Bromophenyl-phenylether	16.551	248	48329	2.996	ng	93
68) Hexachlorobenzene	16.662	284	57028	3.163	ng	98
69) Atrazine	16.815	200	41765	3.037	ng	97
71) Phenanthrene	17.404	178	282563	3.224	ng	98
72) Anthracene	17.492	178	252112	2.884	ng	99
73) Carbazole	17.762	167	232410	2.913	ng	98
74) Di-n-butylphthalate	18.327	149	238434	2.691	ng	99
75) Fluoranthene	19.415	202	269932	2.917	ng	98
77) Benzidine	19.603	184	105705	4.104	ng	99
78) Pyrene	19.780	202	290193	3.127	ng	98
80) Butylbenzylphthalate	20.674	149	89383	2.593	ng	95
81) Benzo(a)anthracene	21.527	228	272667	3.064	ng	99
82) 3,3'-Dichlorobenzidine	21.456	252	81722	2.988	ng	99
83) Chrysene	21.580	228	274806	3.175	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	128984	2.550	ng	97
85) Di-n-octyl phthalate	22.391	149	193411	2.214	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.509	276	265153	2.782	ng	96
88) Benzo(b)fluoranthene	23.233	252	252247	3.152	ng	98
89) Benzo(k)fluoranthene	23.280	252	258206	3.101	ng	98
90) Benzo(a)pyrene	23.868	252	203601	2.644	ng	# 97
91) Dibenzo(a,h)anthracene	26.527	278	229087	2.838	ng	96
92) Benzo(g,h,i)perylene	27.291	276	222851	2.822	ng	97

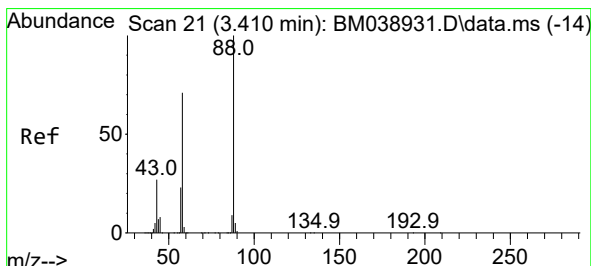
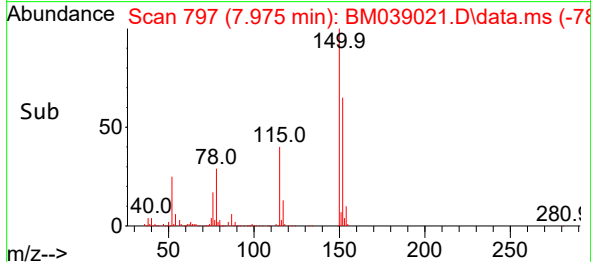
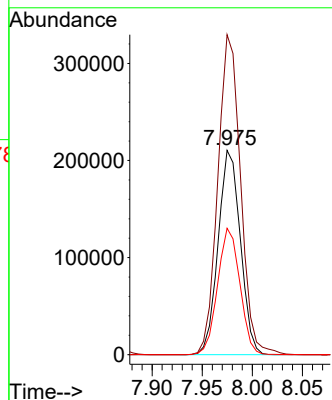
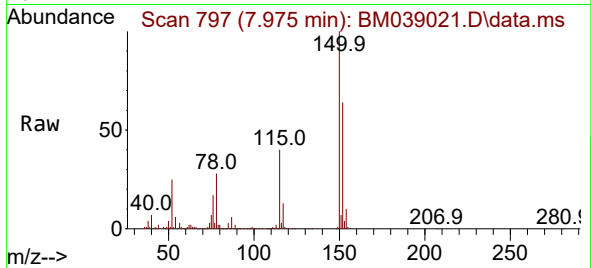
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.975 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

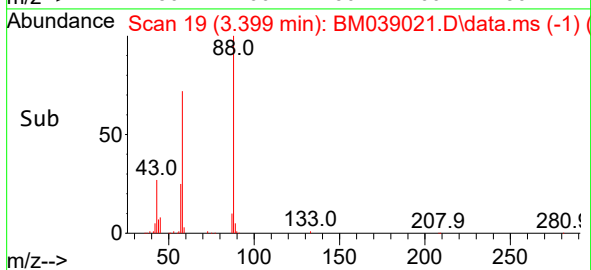
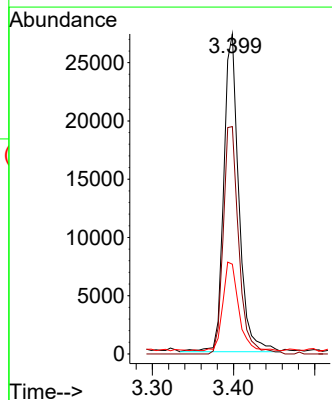
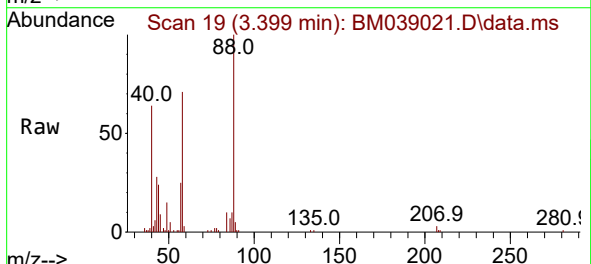
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

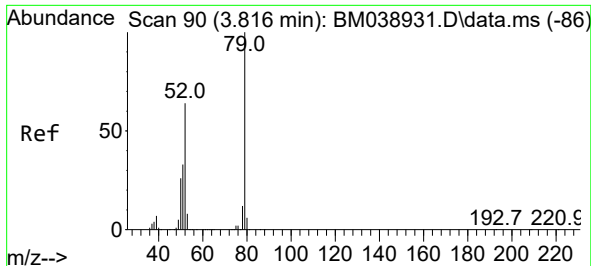
Tgt Ion:152 Resp: 324072
 Ion Ratio Lower Upper
 152 100
 150 156.6 125.1 187.7
 115 61.9 49.6 74.4



#2
 1,4-Dioxane
 Concen: 3.727 ng
 RT: 3.399 min Scan# 19
 Delta R.T. 0.006 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

Tgt Ion: 88 Resp: 35364
 Ion Ratio Lower Upper
 88 100
 58 73.4 57.2 85.8
 43 29.1 22.0 33.0

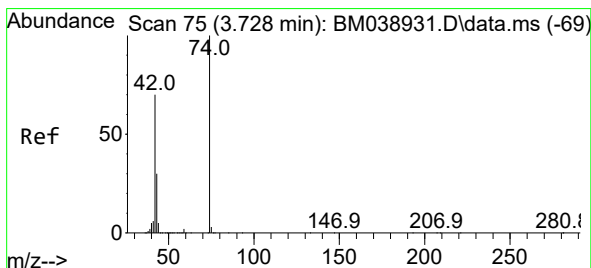
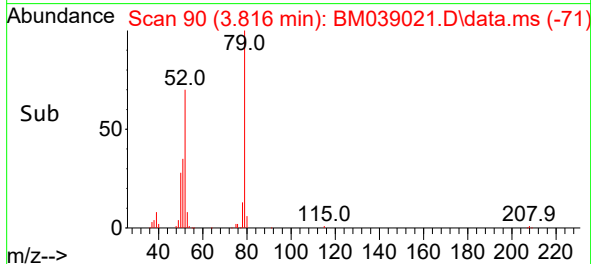
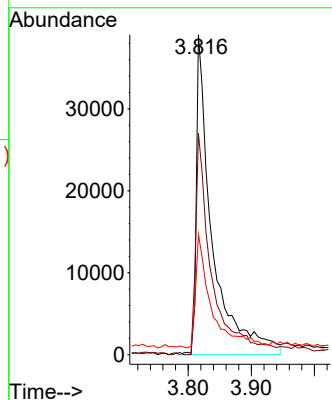
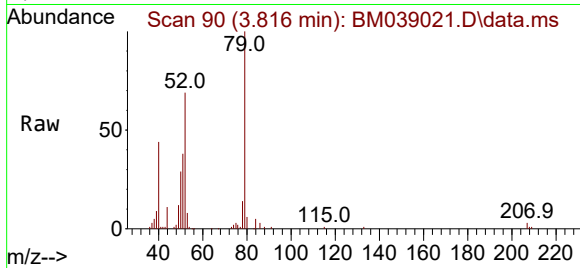




#3
 Pyridine
 Concen: 2.575 ng
 RT: 3.816 min Scan# 90
 Delta R.T. 0.012 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

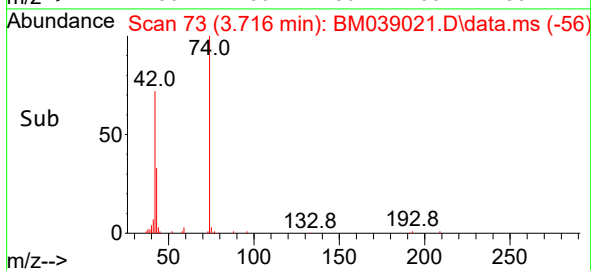
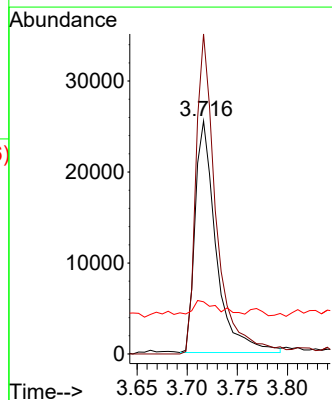
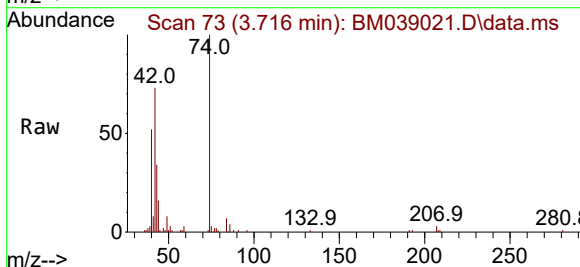
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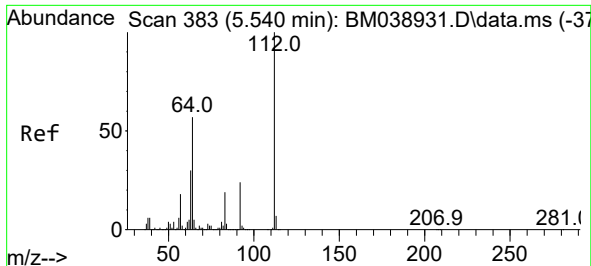
Tgt Ion: 79 Resp: 67781
 Ion Ratio Lower Upper
 79 100
 52 69.1 51.4 77.2
 51 37.6 26.6 40.0



#4
 n-Nitrosodimethylamine
 Concen: 3.474 ng
 RT: 3.716 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

Tgt Ion: 42 Resp: 37205
 Ion Ratio Lower Upper
 42 100
 74 137.3 113.8 170.8
 44 22.4 6.2 9.2

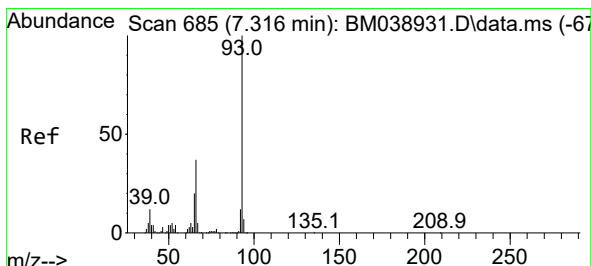
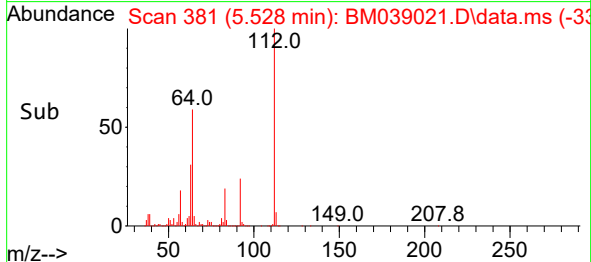
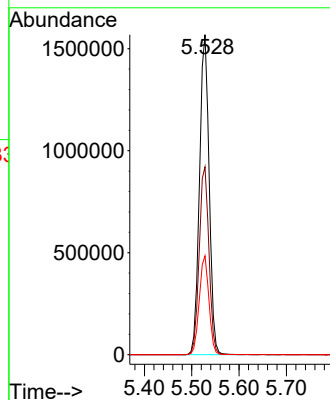
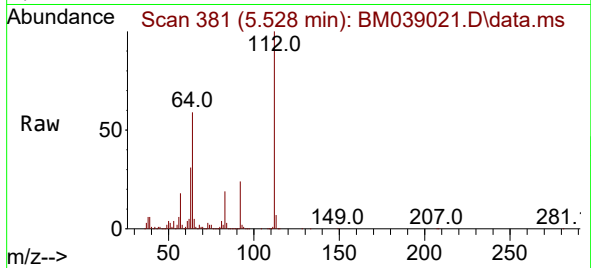




#5
2-Fluorophenol
Concen: 104.341 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

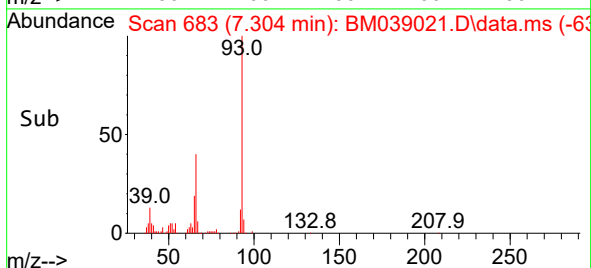
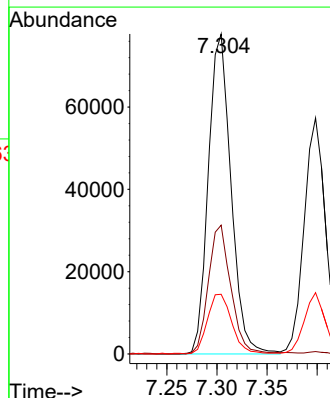
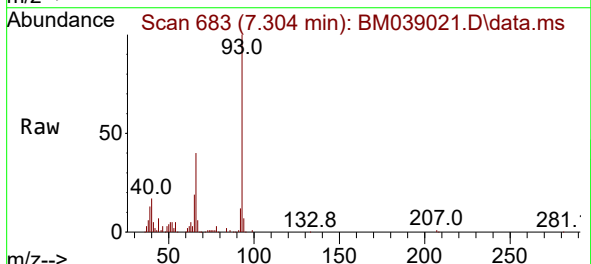
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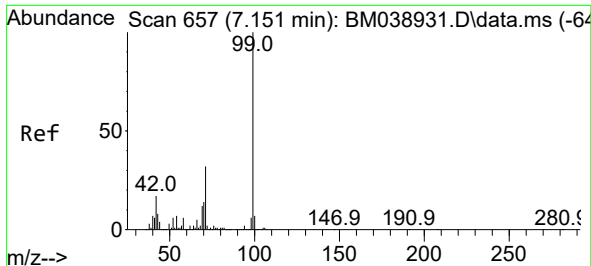
Tgt Ion:112 Resp: 2225635
Ion Ratio Lower Upper
112 100
64 58.7 45.9 68.9
63 30.9 23.8 35.8



#6
Aniline
Concen: 3.364 ng
RT: 7.304 min Scan# 683
Delta R.T. 0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 93 Resp: 122383
Ion Ratio Lower Upper
93 100
66 40.2 30.0 45.0
65 18.6 15.8 23.6

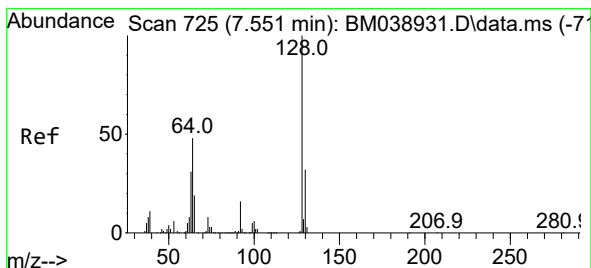
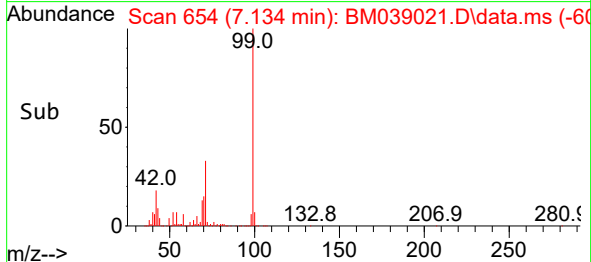
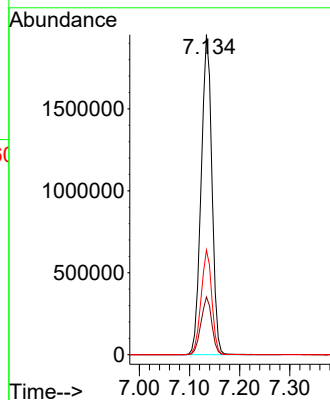
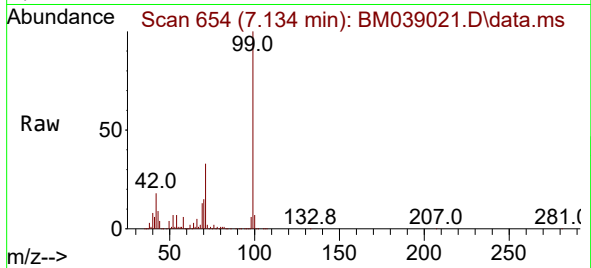




#7
Phenol-d6
Concen: 104.824 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

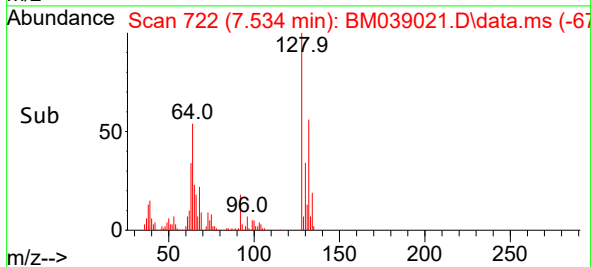
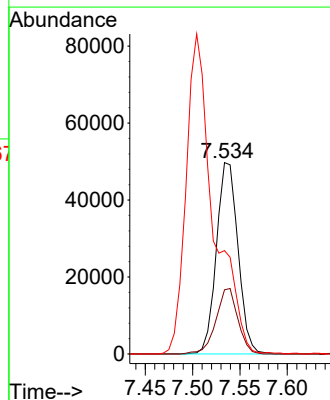
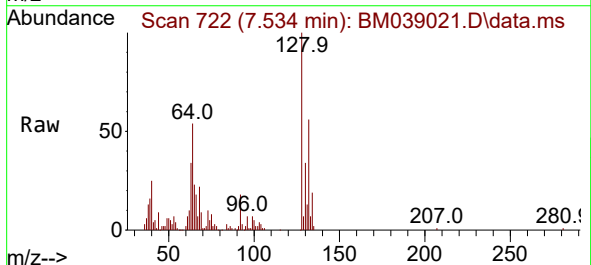
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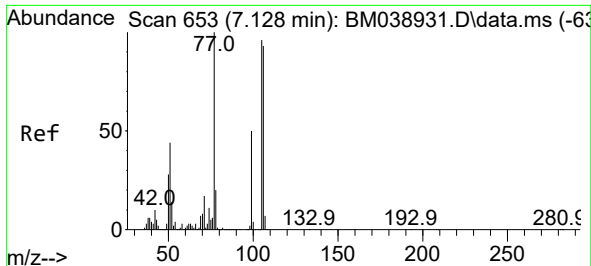
Tgt Ion: 99 Resp: 2904283
Ion Ratio Lower Upper
99 100
42 18.0 13.5 20.3
71 32.7 25.6 38.4



#8
2-Chlorophenol
Concen: 3.474 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 128 Resp: 78896
Ion Ratio Lower Upper
128 100
130 33.5 11.9 51.9
64 54.0 28.6 68.6

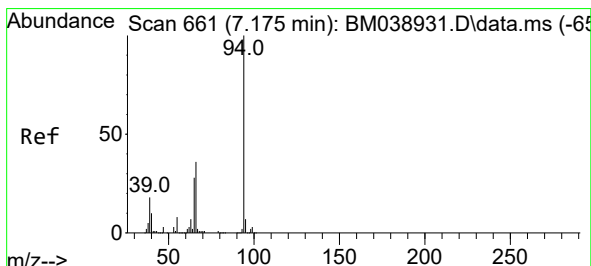
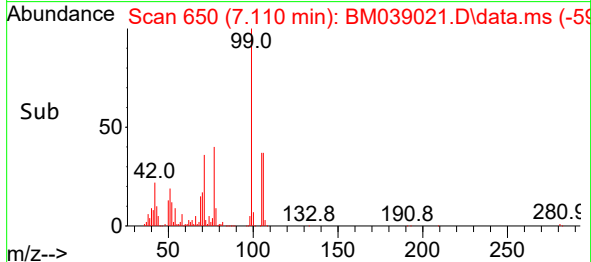
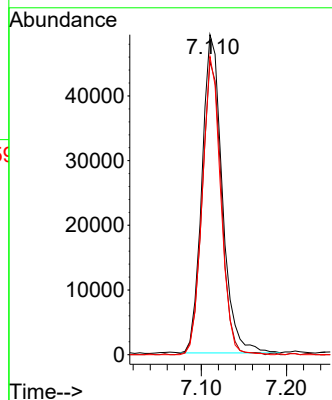
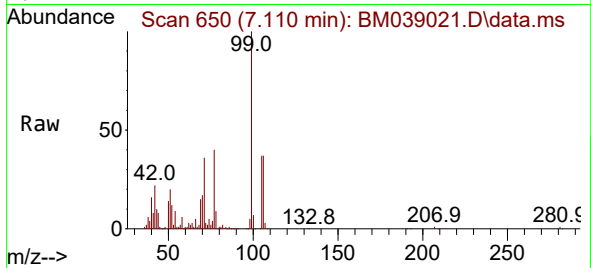




#9
Benzaldehyde
Concen: 6.183 ng
RT: 7.110 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

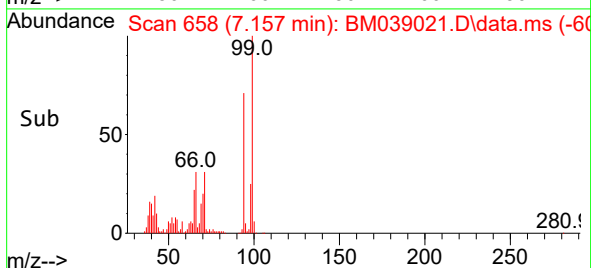
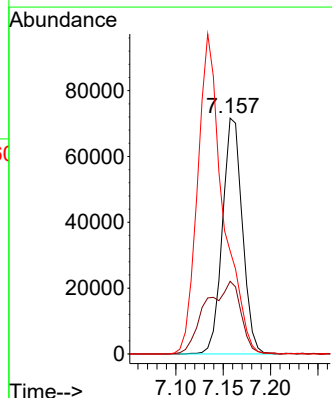
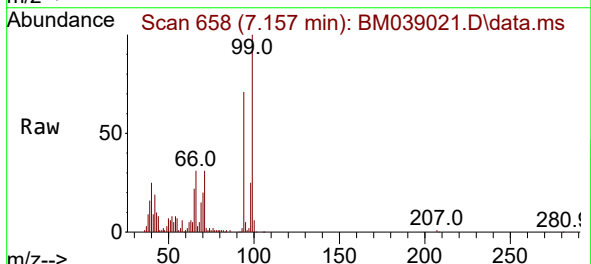
Instrument :
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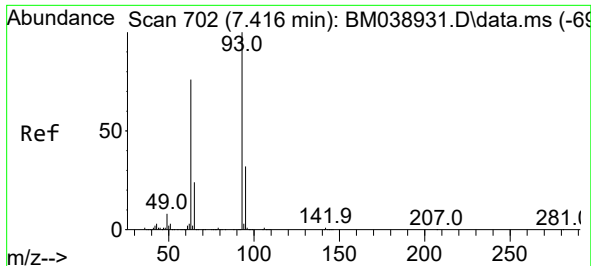
Tgt Ion: 77 Resp: 81524
Ion Ratio Lower Upper
77 100
105 91.6 75.8 115.8
106 93.2 72.6 112.6



#10
Phenol
Concen: 3.570 ng
RT: 7.157 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 94 Resp: 105052
Ion Ratio Lower Upper
94 100
65 30.8 7.9 47.9
66 43.7 15.8 55.8

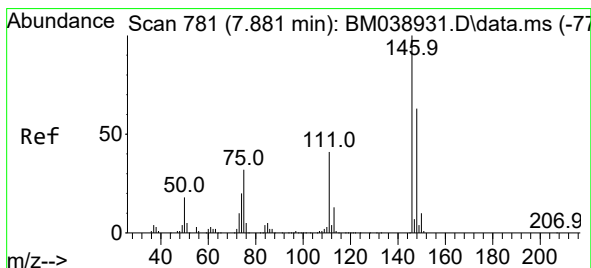
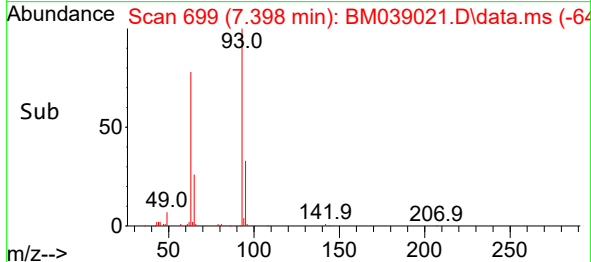
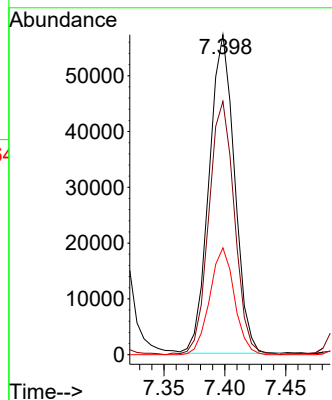
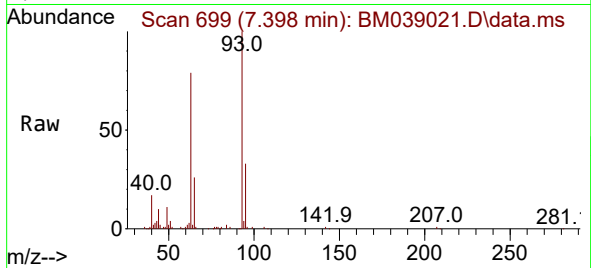




#11
bis(2-Chloroethyl)ether
Concen: 3.464 ng
RT: 7.398 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

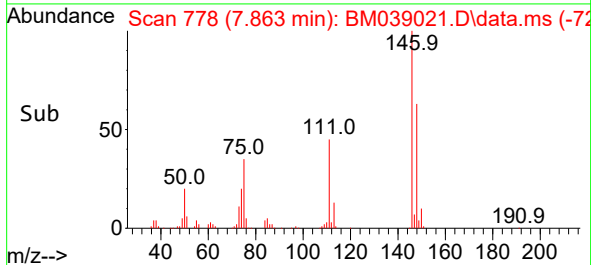
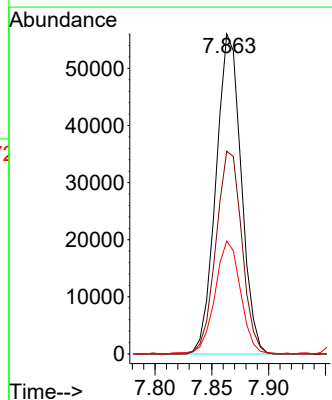
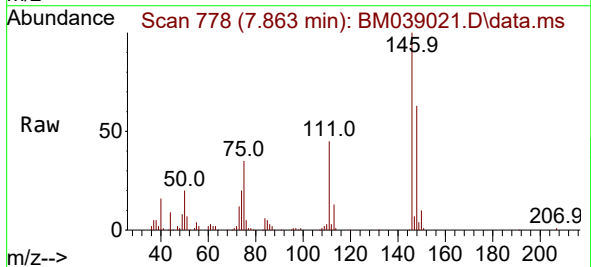
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

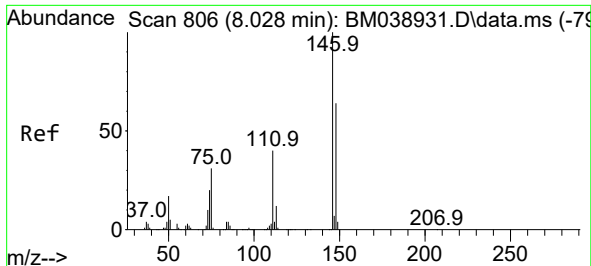
Tgt Ion: 93 Resp: 82857
Ion Ratio Lower Upper
93 100
63 79.1 55.8 95.8
95 33.4 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 3.588 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 146 Resp: 86581
Ion Ratio Lower Upper
146 100
148 63.4 50.6 75.8
75 35.3 26.0 39.0

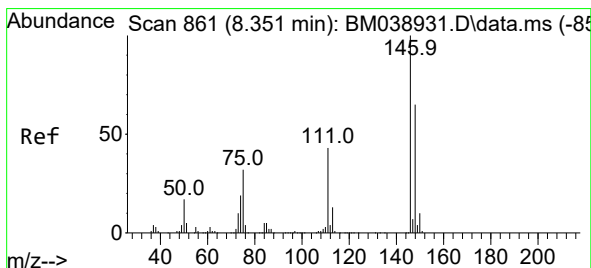
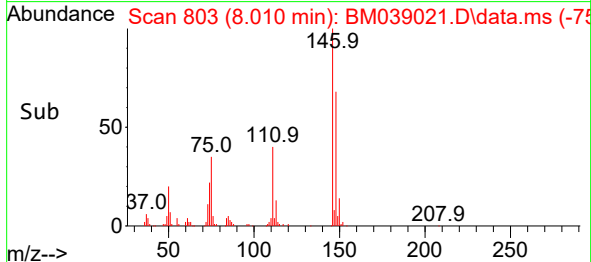
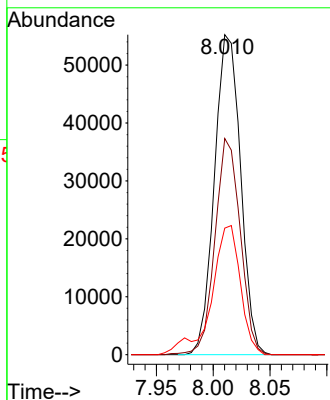
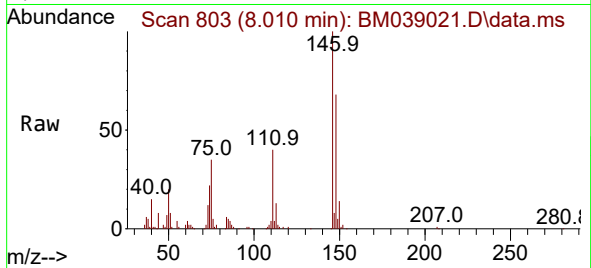




#13
1,4-Dichlorobenzene
Concen: 3.607 ng
RT: 8.010 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

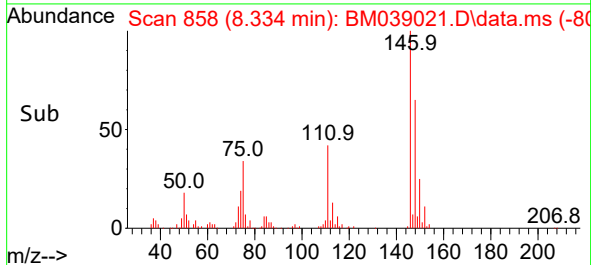
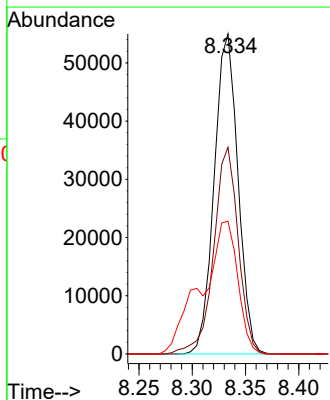
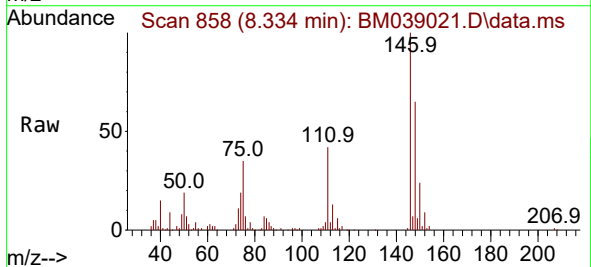
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

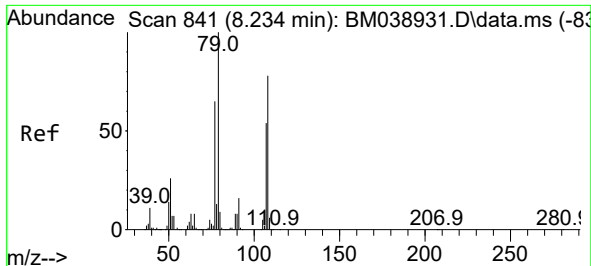
Tgt Ion:146 Resp: 88528
Ion Ratio Lower Upper
146 100
148 67.5 51.0 76.4
111 39.6 32.2 48.4



#14
1,2-Dichlorobenzene
Concen: 3.603 ng
RT: 8.334 min Scan# 858
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:146 Resp: 85173
Ion Ratio Lower Upper
146 100
148 64.5 51.7 77.5
111 41.5 34.2 51.4

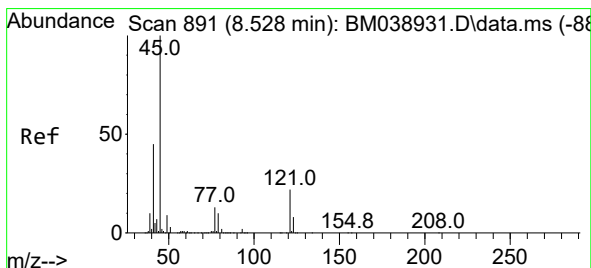
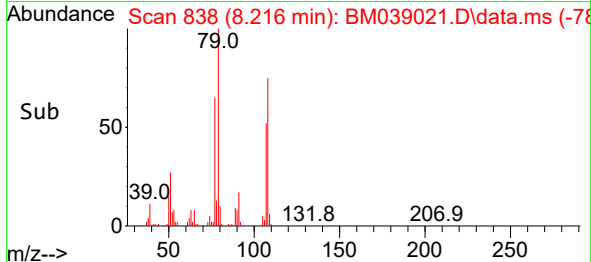
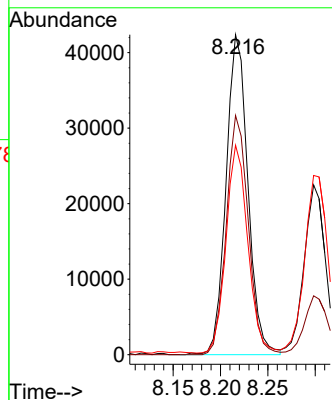
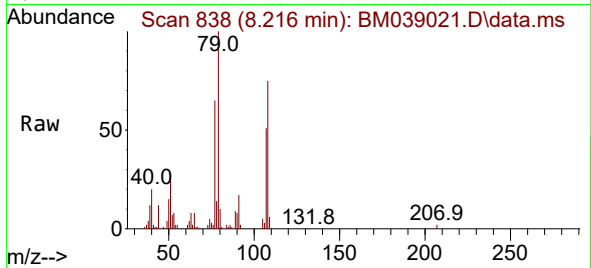




#15
Benzyl Alcohol
Concen: 3.425 ng
RT: 8.216 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

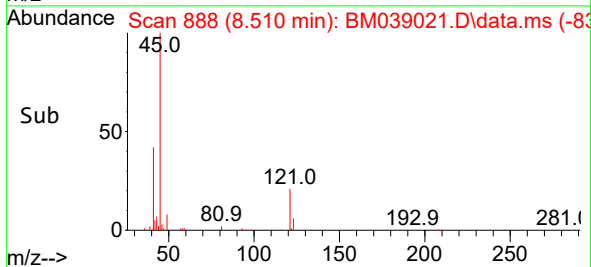
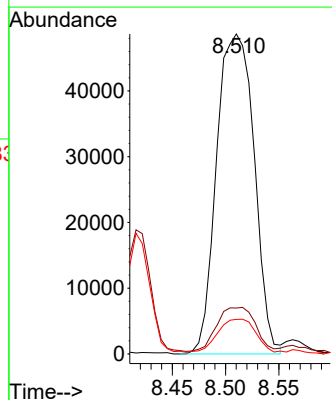
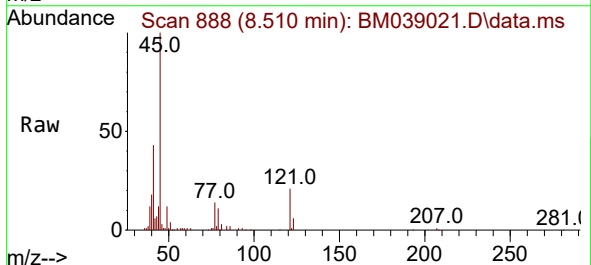
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

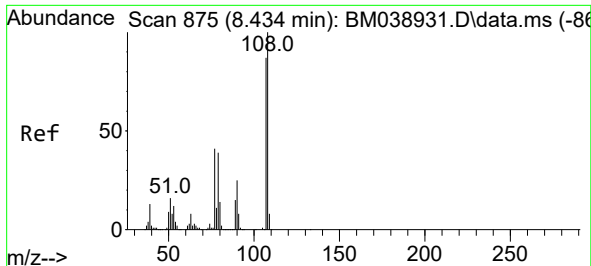
Tgt Ion: 79 Resp: 68012
Ion Ratio Lower Upper
79 100
108 74.8 62.4 93.6
77 65.5 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.945 ng
RT: 8.510 min Scan# 888
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 45 Resp: 119178
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.8
79 10.8 0.0 31.5



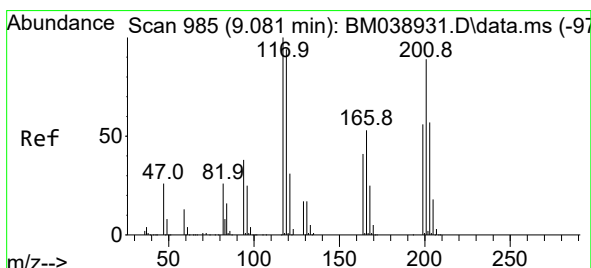
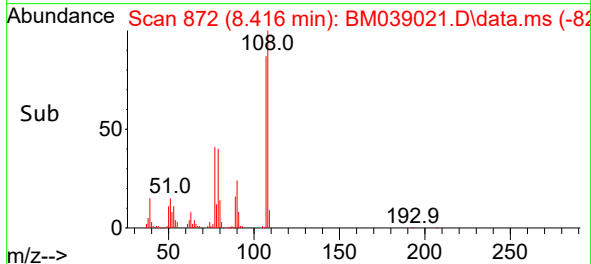
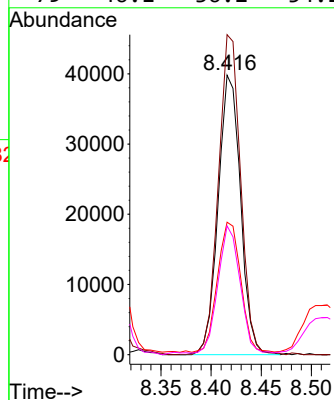
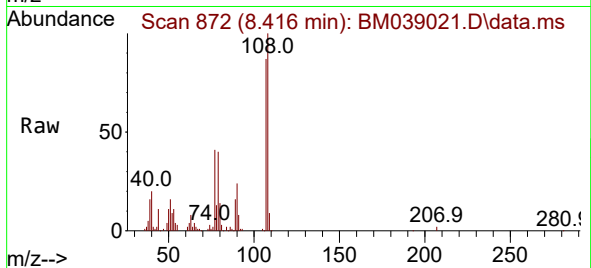


#17
2-Methylphenol
Concen: 3.056 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:107 Resp: 61770

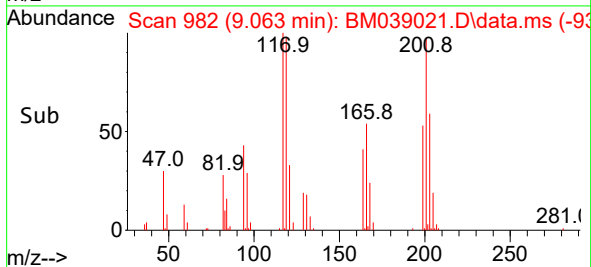
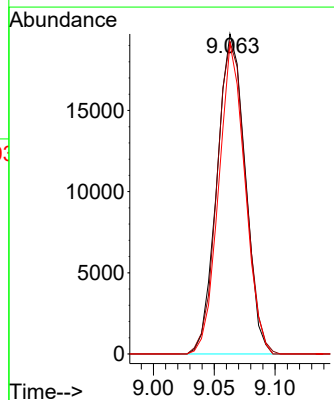
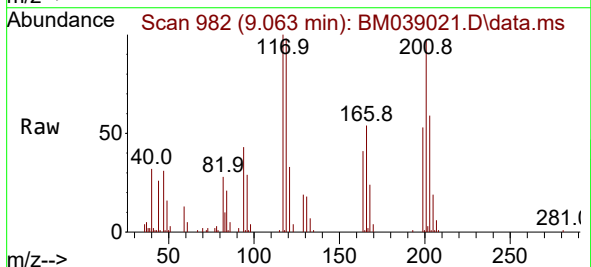
Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.7	137.5
77	47.4	37.4	56.2
79	46.1	36.2	54.2

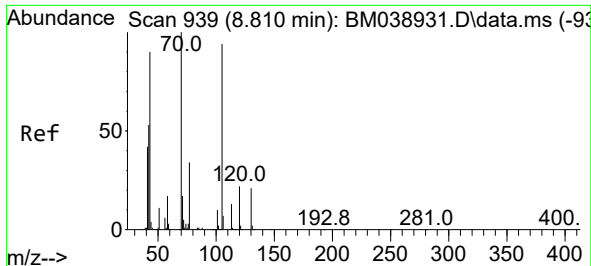


#18
Hexachloroethane
Concen: 3.503 ng
RT: 9.063 min Scan# 982
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:117 Resp: 31724

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.4	113.0
201	99.7	71.3	106.9

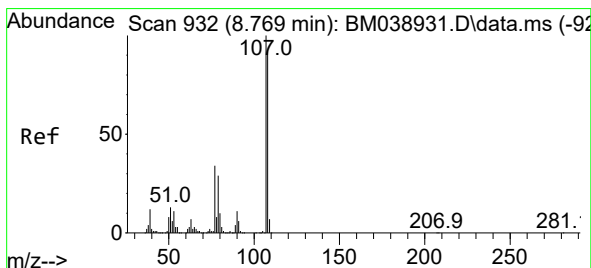
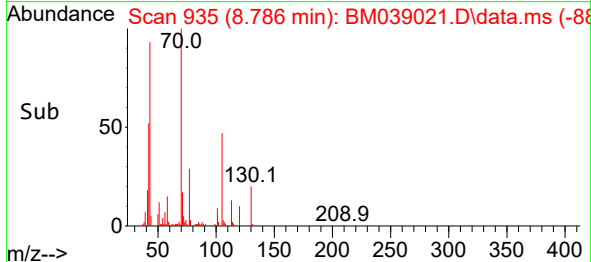
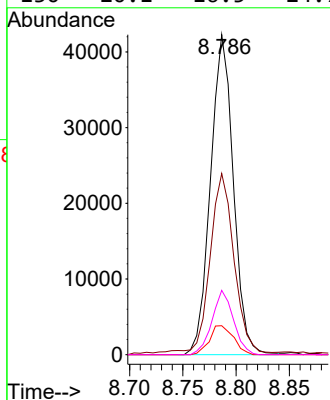
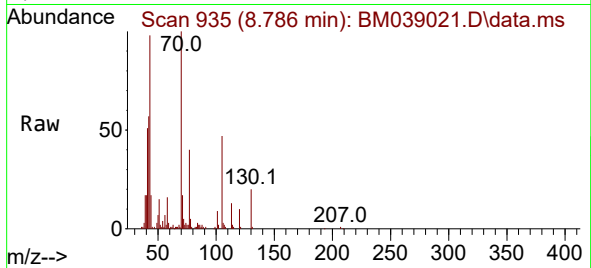




#19
n-Nitroso-di-n-propylamine
Concen: 3.604 ng
RT: 8.786 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

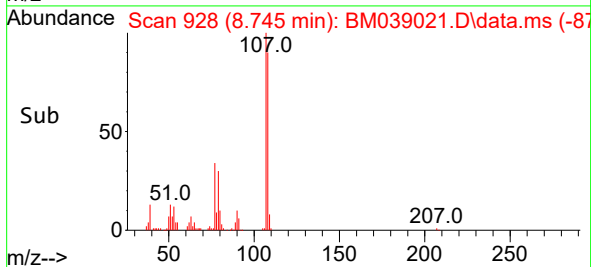
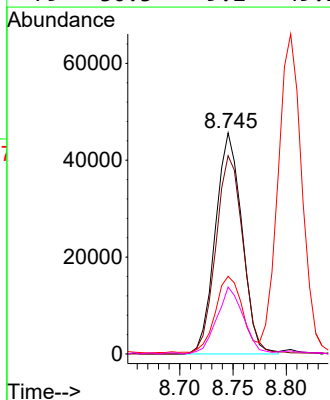
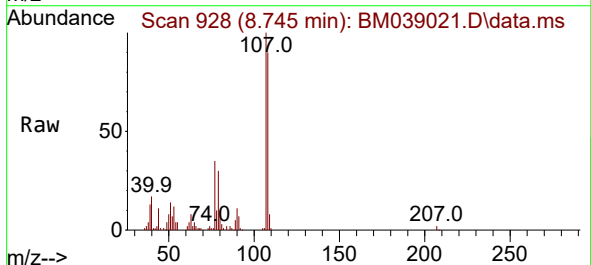
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

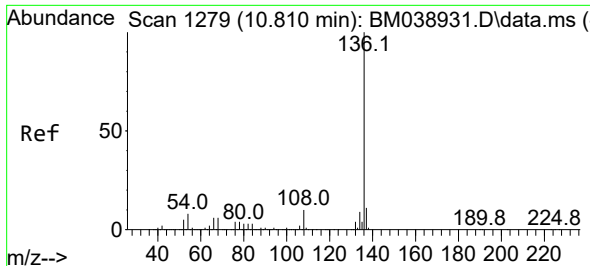
Tgt Ion: 70 Resp: 62892
Ion Ratio Lower Upper
70 100
42 56.6 43.4 65.2
101 9.1 7.6 11.4
130 20.1 16.5 24.7



#20
3+4-Methylphenols
Concen: 2.938 ng
RT: 8.745 min Scan# 928
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 107 Resp: 79280
Ion Ratio Lower Upper
107 100
108 89.7 71.8 111.8
77 35.1 13.6 53.6
79 30.3 9.2 49.2

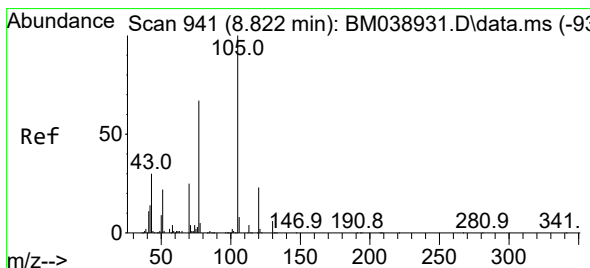
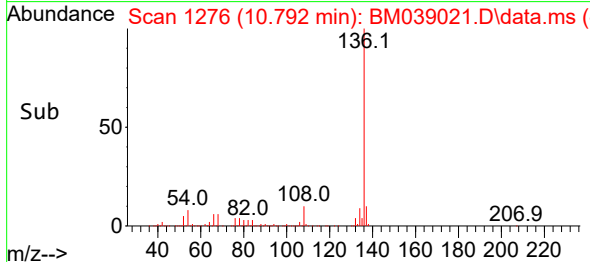
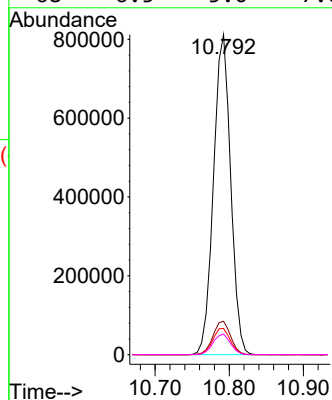
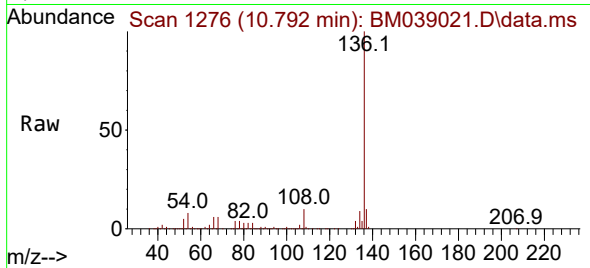




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

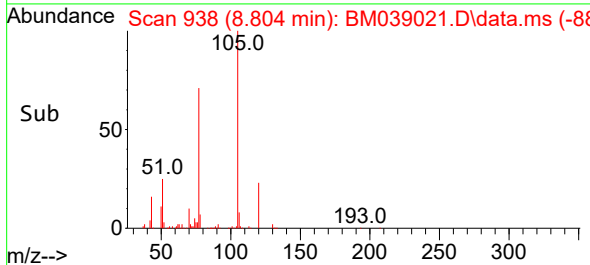
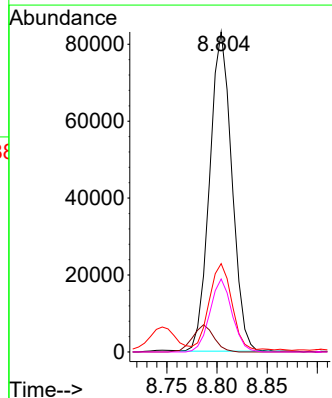
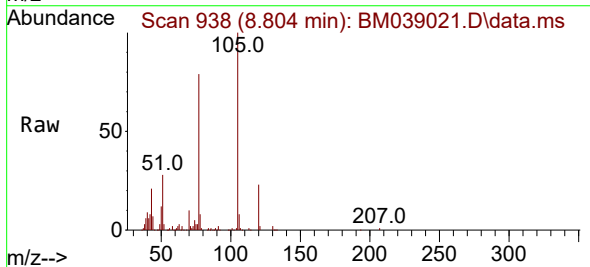
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

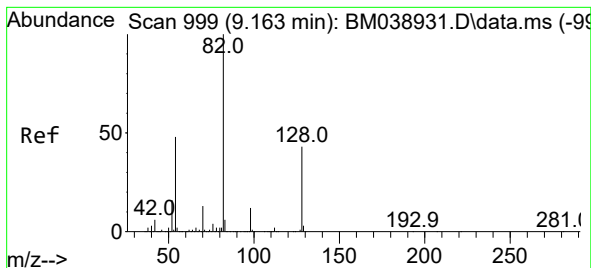
Tgt Ion:136 Resp: 1303163
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.2 6.3 9.5
68 6.5 5.0 7.6



#22
Acetophenone
Concen: 3.483 ng
RT: 8.804 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:105 Resp: 127350
Ion Ratio Lower Upper
105 100
71 1.6 3.4 5.0#
51 27.6 21.0 31.4
120 22.8 18.1 27.1





#23

Nitrobenzene-d5

Concen: 76.624 ng

RT: 9.145 min Scan# 91

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

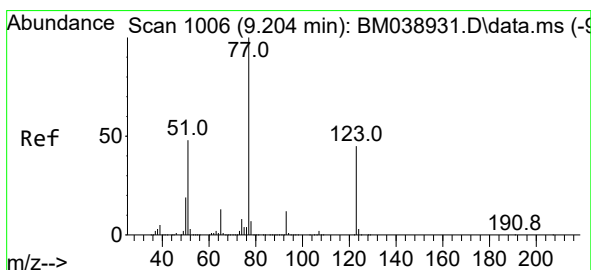
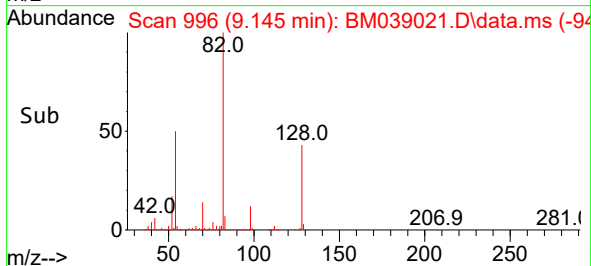
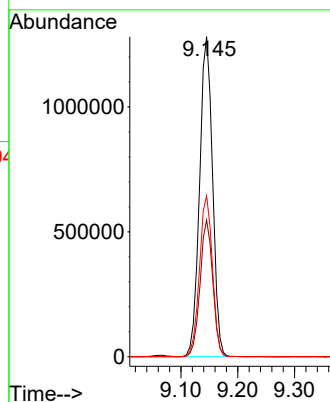
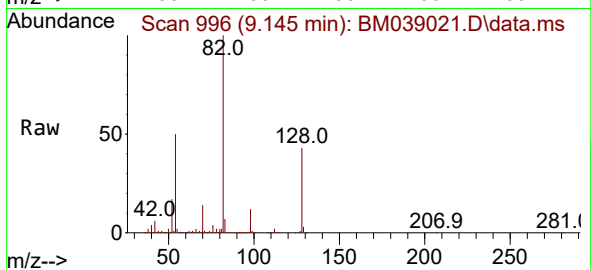
Tgt Ion: 82 Resp: 2032811

Ion Ratio Lower Upper

82 100

128 42.7 34.4 51.6

54 50.3 38.8 58.2



#24

Nitrobenzene

Concen: 3.754 ng

RT: 9.186 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

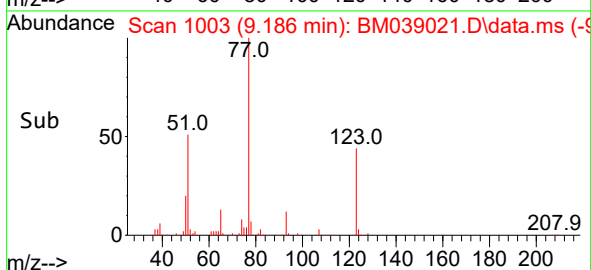
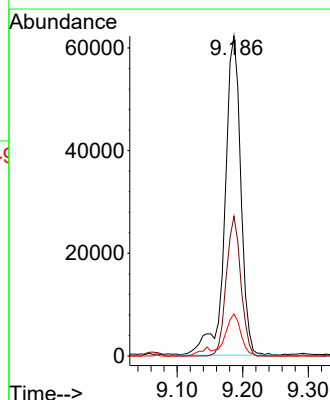
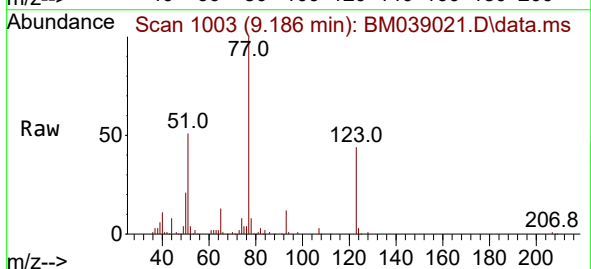
Tgt Ion: 77 Resp: 104688

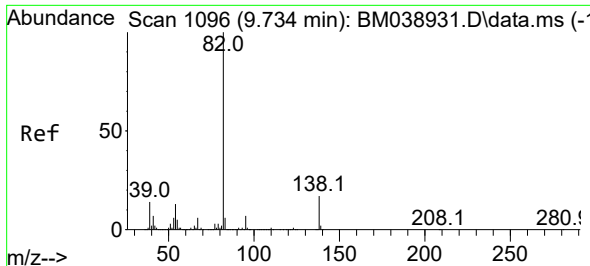
Ion Ratio Lower Upper

77 100

123 43.7 35.8 53.6

65 13.1 10.2 15.4

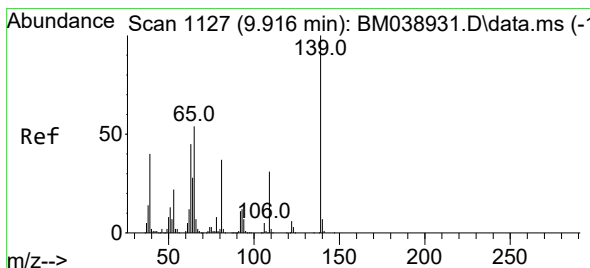
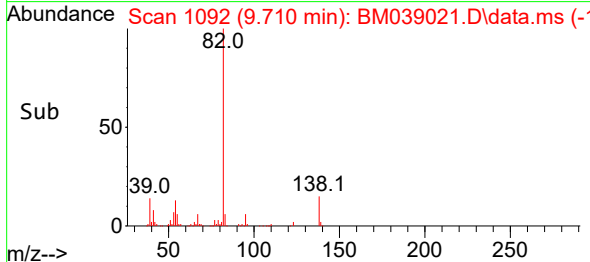
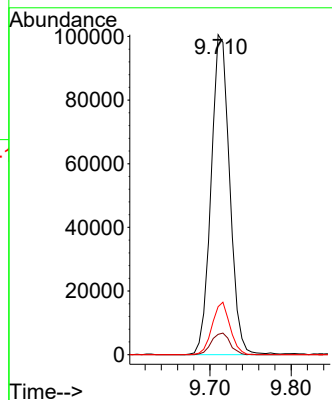
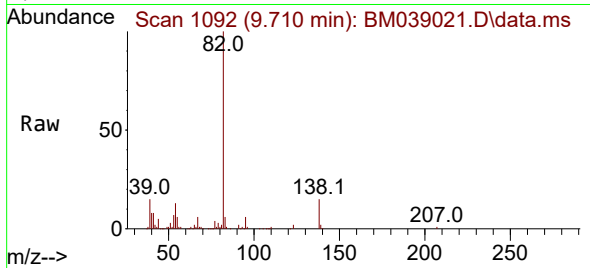




#25
Isophorone
Concen: 3.271 ng
RT: 9.710 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

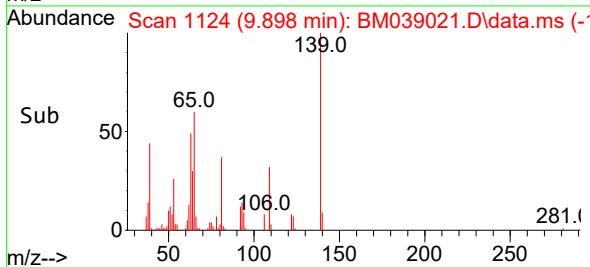
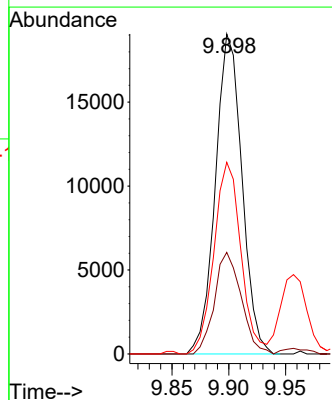
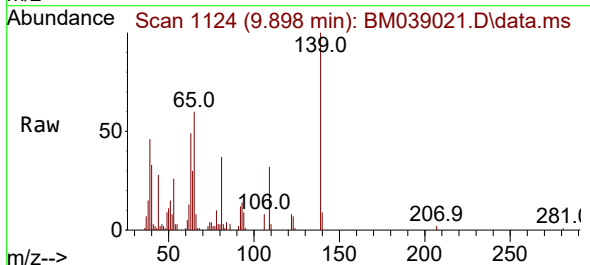
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

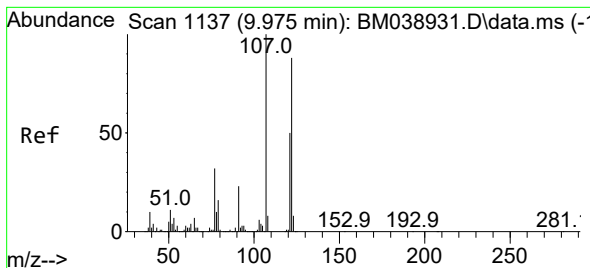
Tgt Ion: 82 Resp: 159709
Ion Ratio Lower Upper
82 100
95 6.3 5.2 7.8
138 15.0 13.6 20.4



#26
2-Nitrophenol
Concen: 2.817 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 139 Resp: 31042
Ion Ratio Lower Upper
139 100
109 31.7 24.5 36.7
65 59.9 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 3.094 ng

RT: 9.957 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

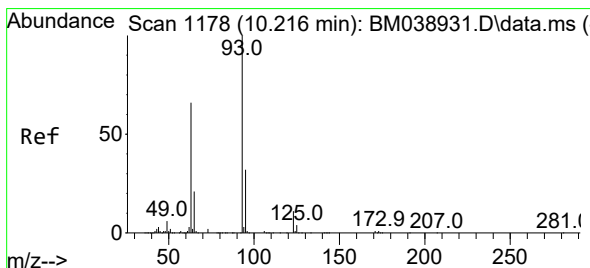
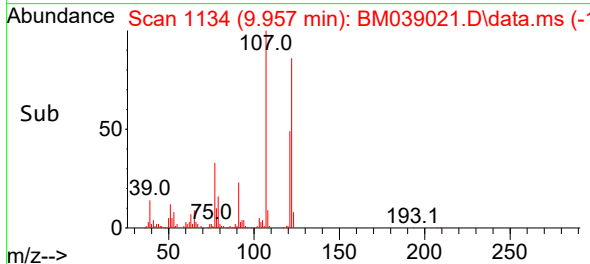
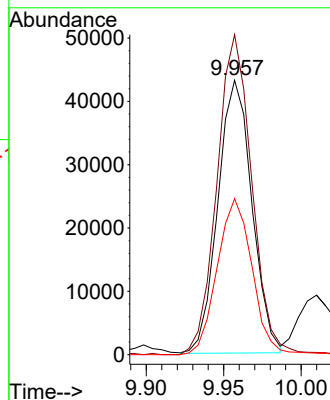
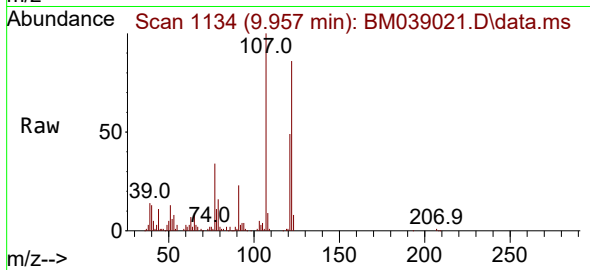
Tgt Ion:122 Resp: 65810

Ion Ratio Lower Upper

122 100

107 116.6 91.0 136.4

121 56.9 45.1 67.7



#28

bis(2-Chloroethoxy)methane

Concen: 3.424 ng

RT: 10.198 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

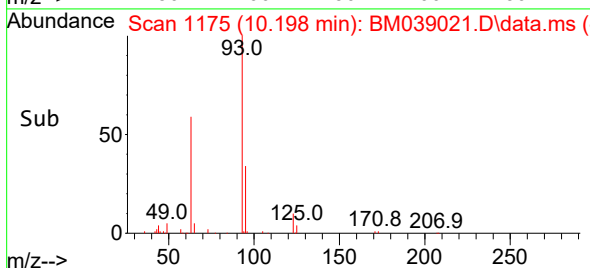
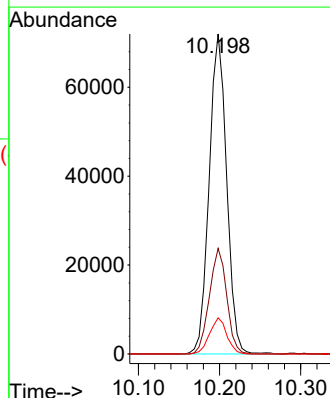
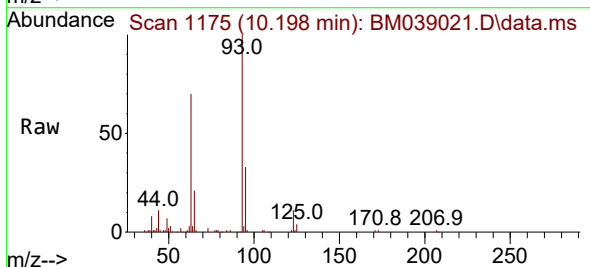
Tgt Ion: 93 Resp: 107399

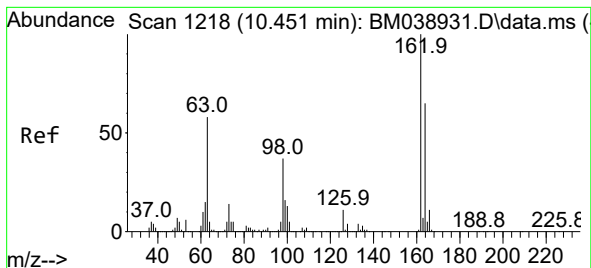
Ion Ratio Lower Upper

93 100

95 33.0 25.9 38.9

123 11.3 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 2.859 ng

RT: 10.433 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

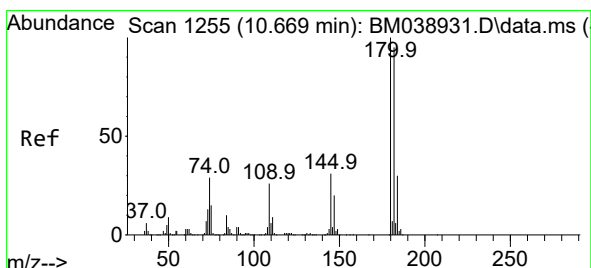
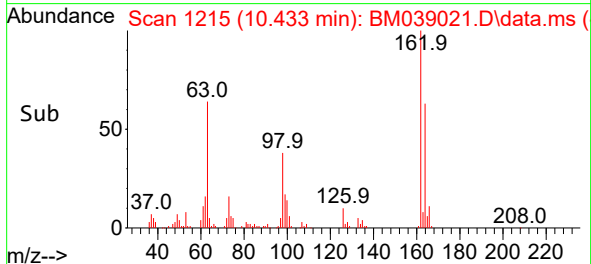
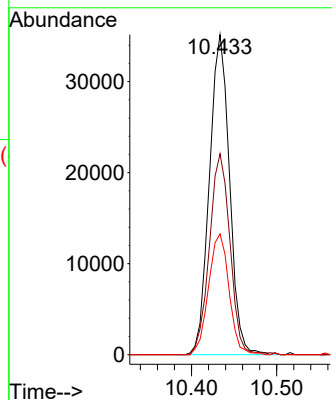
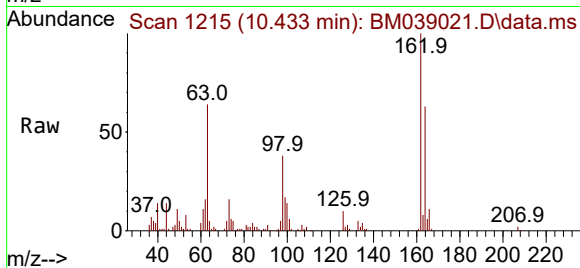
Tgt Ion:162 Resp: 57650

Ion Ratio Lower Upper

162 100

164 62.8 44.6 84.6

98 37.8 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 3.267 ng

RT: 10.651 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

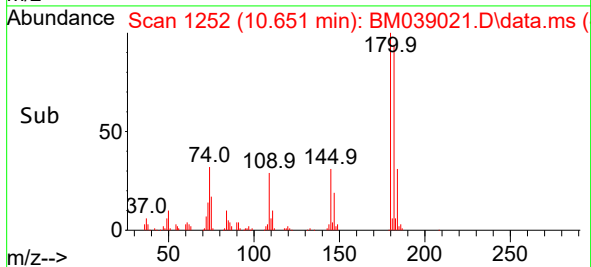
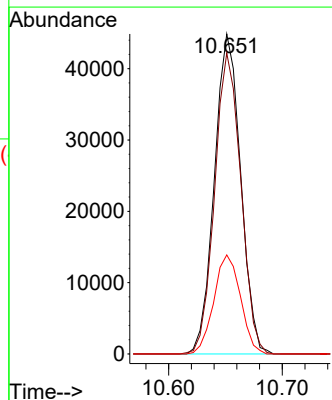
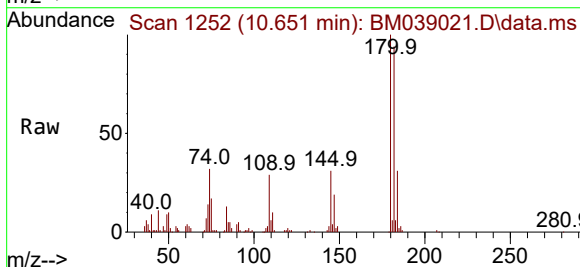
Tgt Ion:180 Resp: 72007

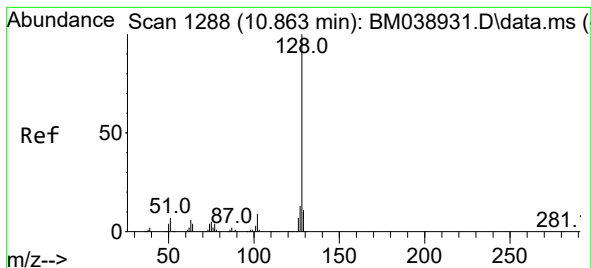
Ion Ratio Lower Upper

180 100

182 94.0 76.3 114.5

145 30.9 25.0 37.4

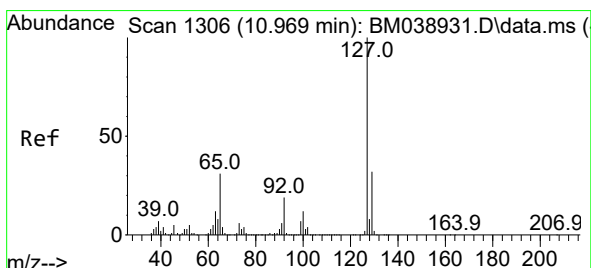
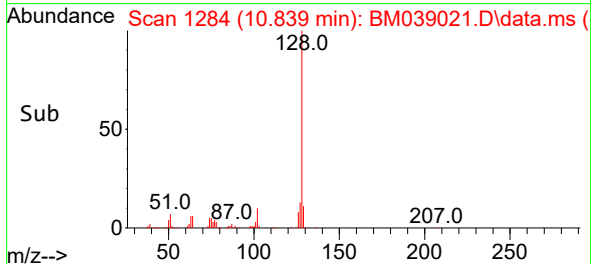
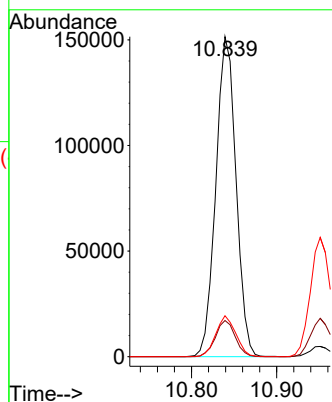
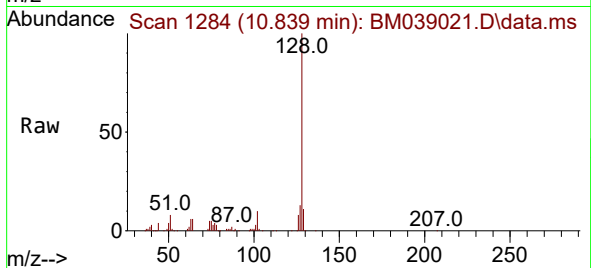




#31
Naphthalene
Concen: 3.357 ng
RT: 10.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

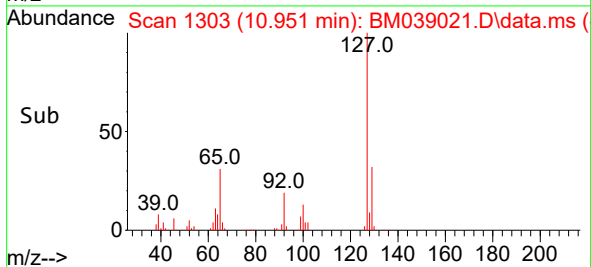
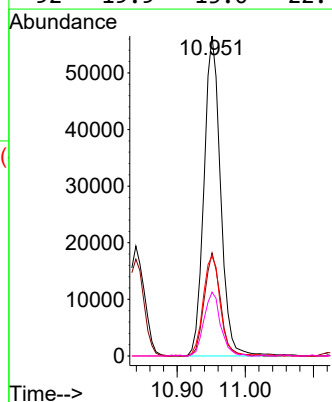
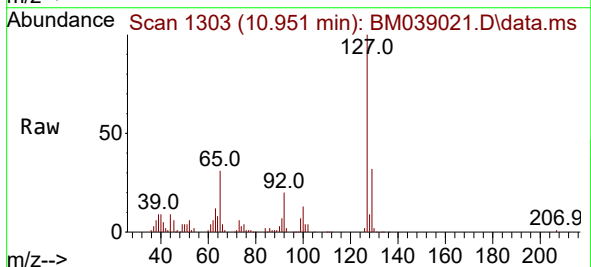
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

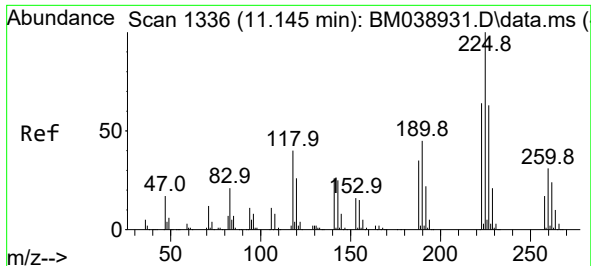
Tgt Ion:128 Resp: 249445
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.8 10.2 15.4



#33
4-Chloroaniline
Concen: 3.021 ng
RT: 10.951 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:127 Resp: 95657
Ion Ratio Lower Upper
127 100
129 32.2 25.4 38.2
65 31.2 24.4 36.6
92 19.9 15.0 22.4

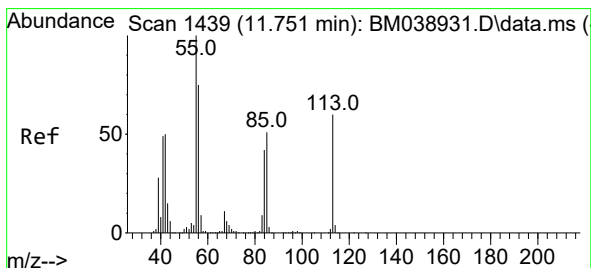
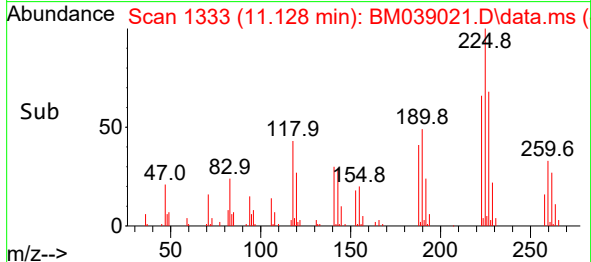
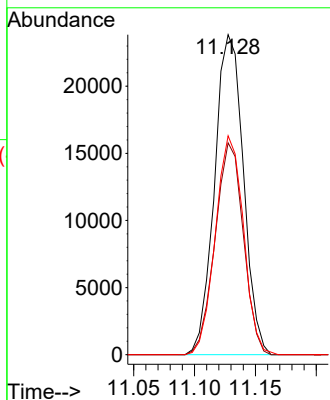
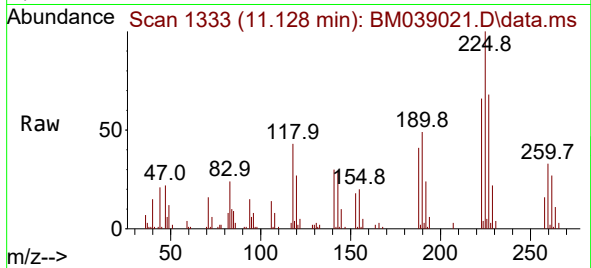




#34
Hexachlorobutadiene
Concen: 3.108 ng
RT: 11.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

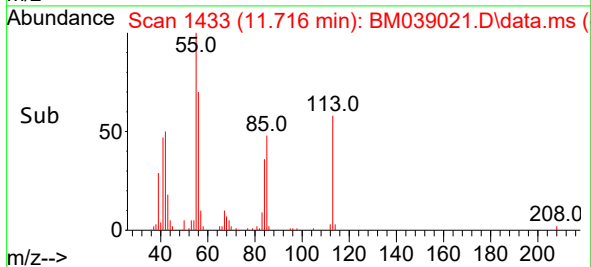
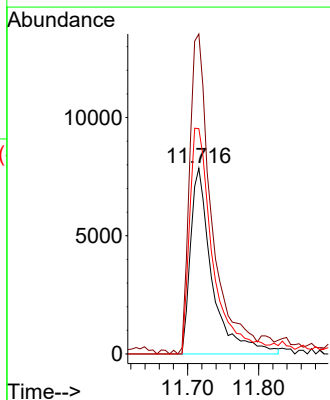
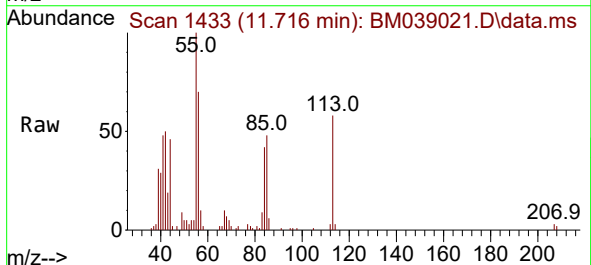
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

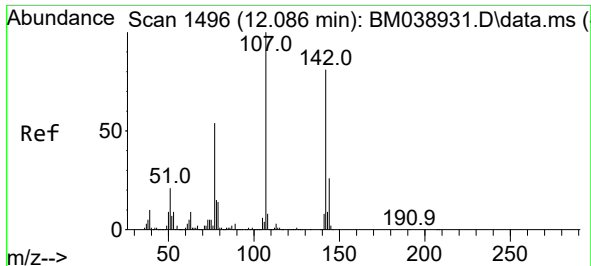
Tgt Ion:225 Resp: 39279
Ion Ratio Lower Upper
225 100
223 66.9 51.3 76.9
227 65.5 50.6 76.0



#35
Caprolactam
Concen: 2.717 ng
RT: 11.716 min Scan# 1433
Delta R.T. -0.024 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:113 Resp: 16678
Ion Ratio Lower Upper
113 100
55 172.3 147.0 187.0
56 121.3 105.1 145.1

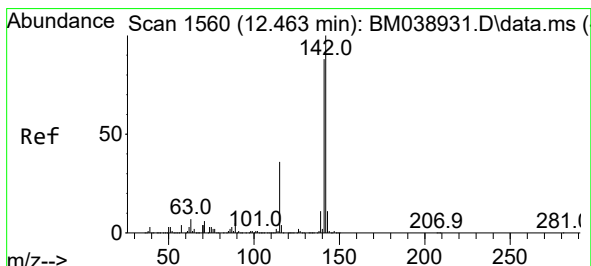
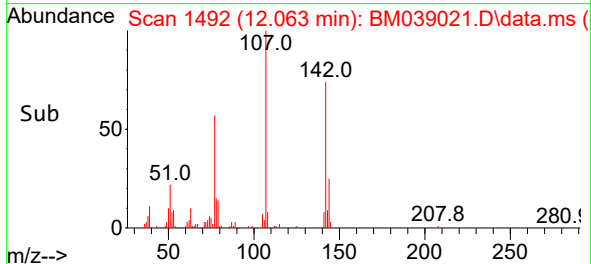
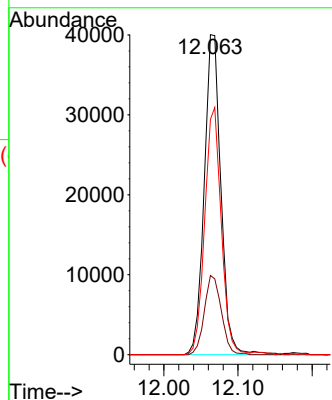
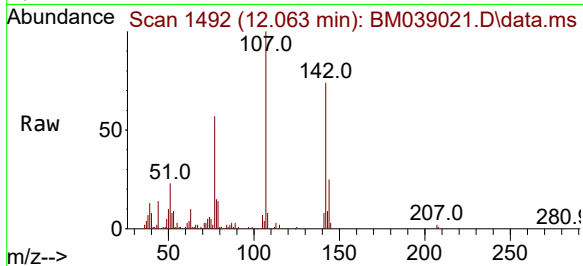




#36
4-Chloro-3-methylphenol
Concen: 2.913 ng
RT: 12.063 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

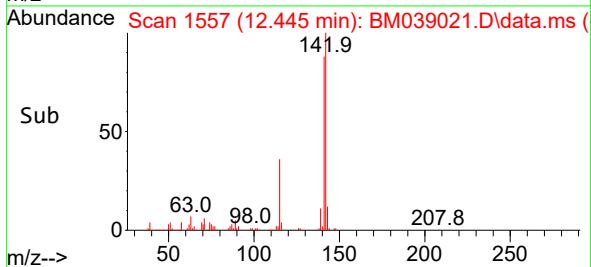
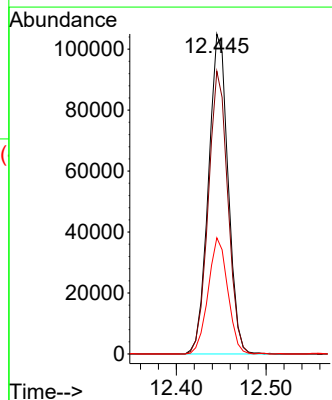
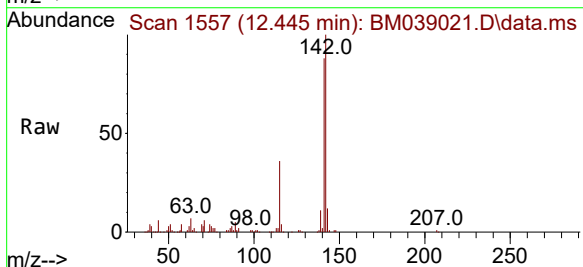
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

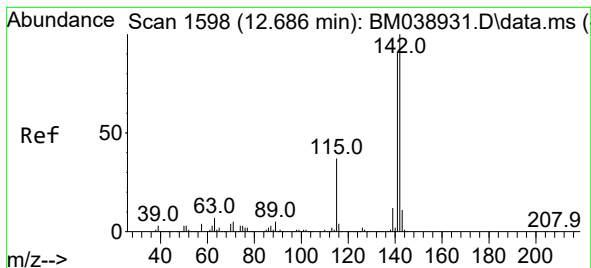
Tgt Ion:107 Resp: 62558
Ion Ratio Lower Upper
107 100
144 24.7 20.7 31.1
142 73.5 64.6 97.0



#37
2-Methylnaphthalene
Concen: 3.193 ng
RT: 12.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:142 Resp: 159042
Ion Ratio Lower Upper
142 100
141 88.3 70.6 106.0
115 36.3 28.5 42.7





#38

1-Methylnaphthalene

Concen: 3.184 ng

RT: 12.663 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

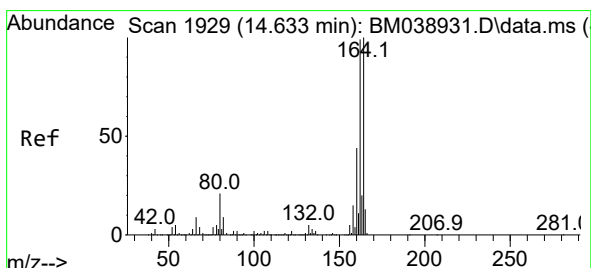
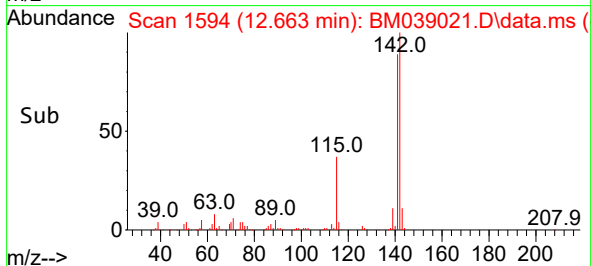
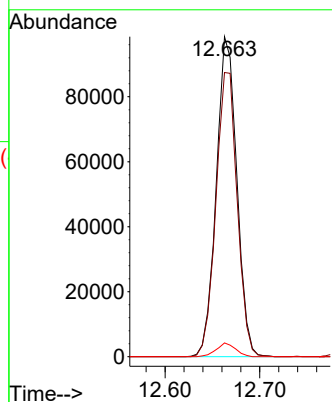
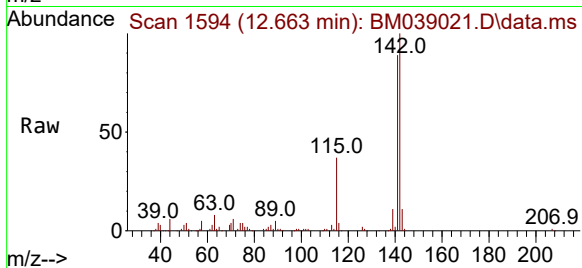
Tgt Ion:142 Resp: 148588

Ion Ratio Lower Upper

142 100

141 88.8 72.8 109.2

116 4.3 3.0 4.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.616 min Scan# 1926

Delta R.T. 0.001 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

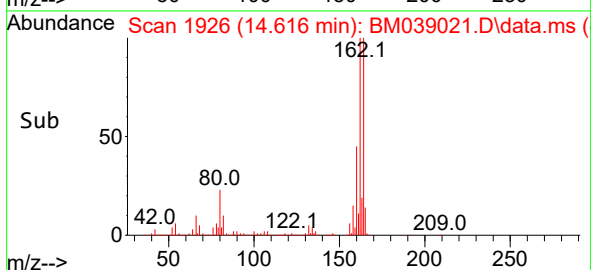
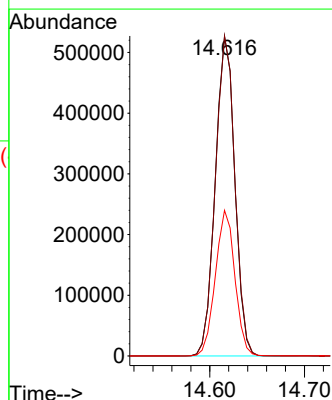
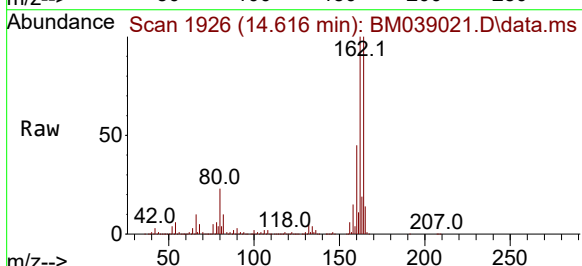
Tgt Ion:164 Resp: 754455

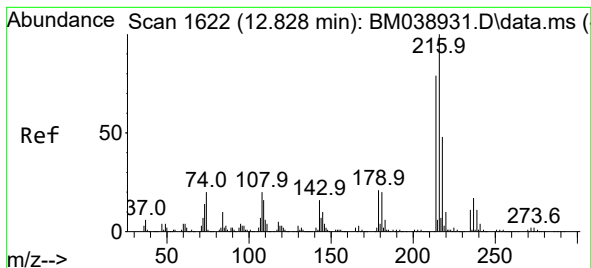
Ion Ratio Lower Upper

164 100

162 100.1 79.2 118.8

160 45.5 35.5 53.3





#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.134 ng

RT: 12.810 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:216 Resp: 76869

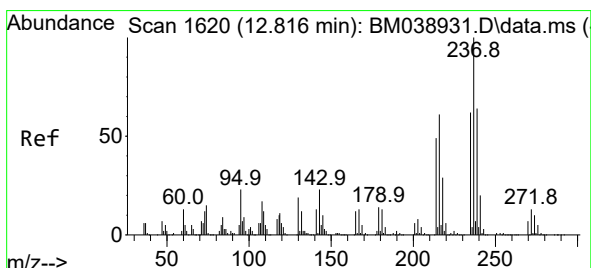
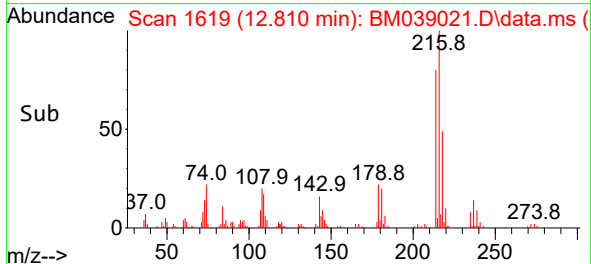
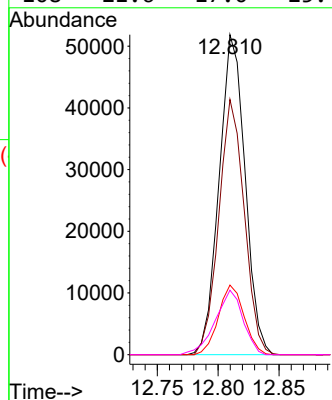
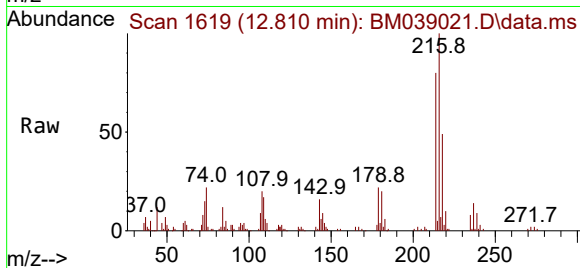
Ion Ratio Lower Upper

216 100

214 78.2 63.0 94.4

179 21.5 16.8 25.2

108 21.6 17.0 25.4



#41

Hexachlorocyclopentadiene

Concen: 3.236 ng

RT: 12.792 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

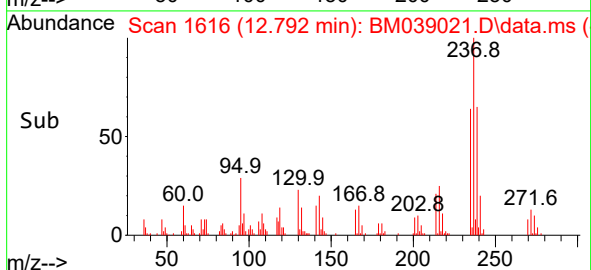
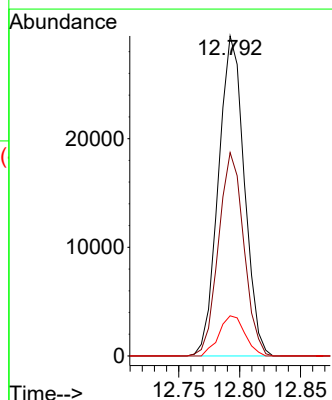
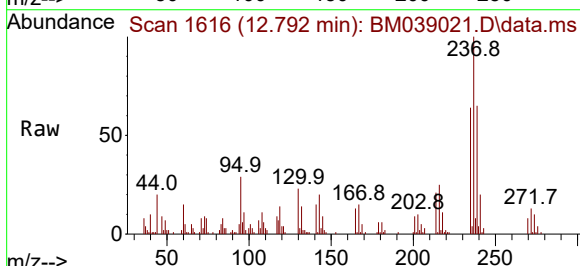
Tgt Ion:237 Resp: 43568

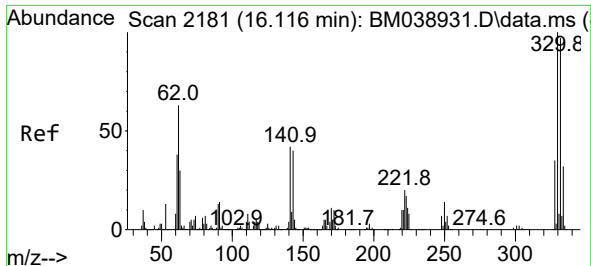
Ion Ratio Lower Upper

237 100

235 63.5 41.7 81.7

272 12.6 0.0 33.2





#42

2,4,6-Tribromophenol

Concen: 97.842 ng

RT: 16.104 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

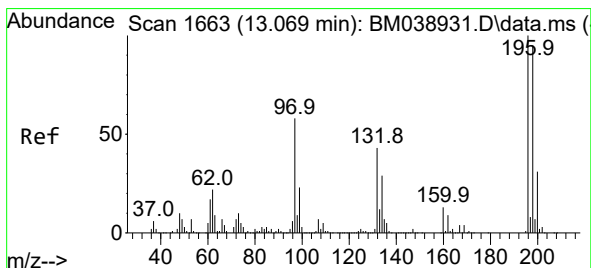
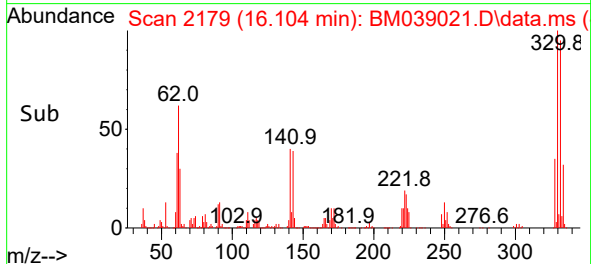
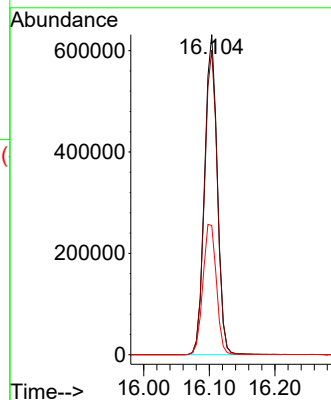
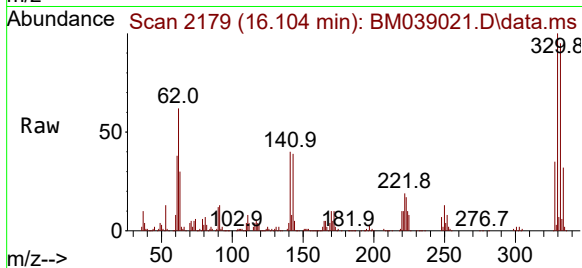
Tgt Ion:330 Resp: 853946

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 43.2 32.2 48.4



#43

2,4,6-Trichlorophenol

Concen: 2.579 ng

RT: 13.051 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

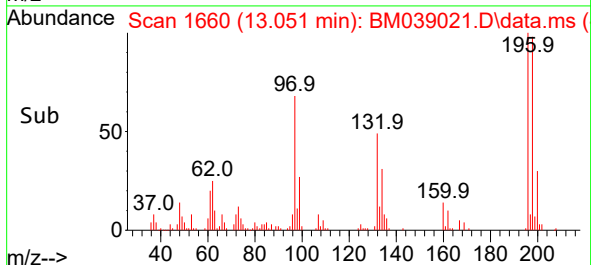
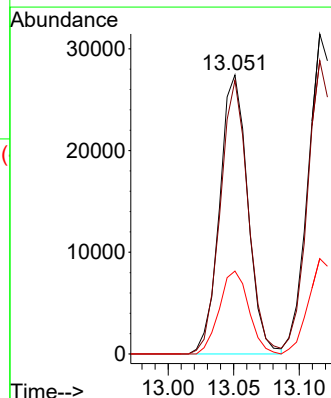
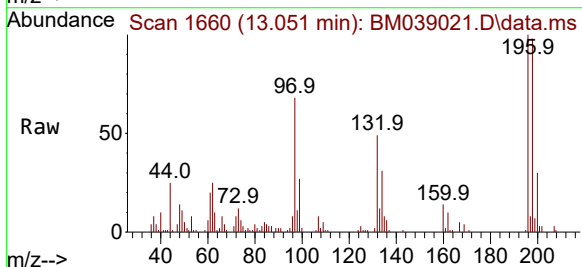
Tgt Ion:196 Resp: 40955

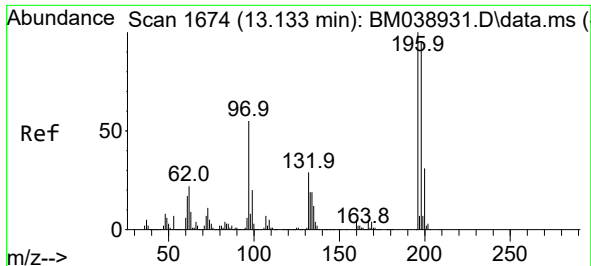
Ion Ratio Lower Upper

196 100

198 98.0 75.8 113.8

200 29.7 25.0 37.4

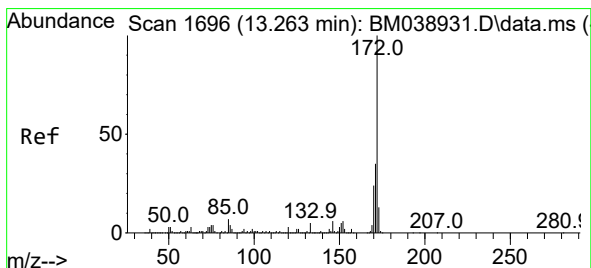
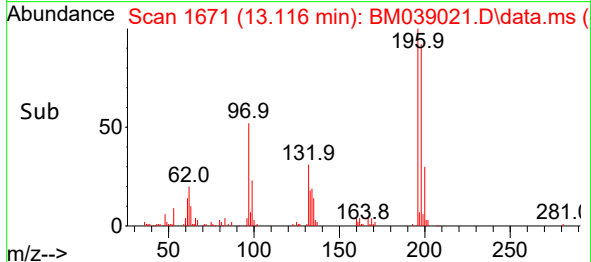
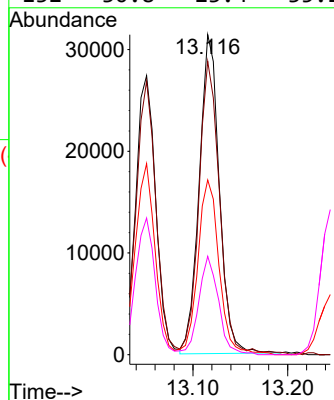
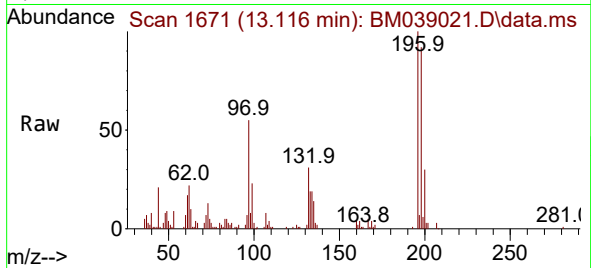




#44
2,4,5-Trichlorophenol
Concen: 2.499 ng
RT: 13.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

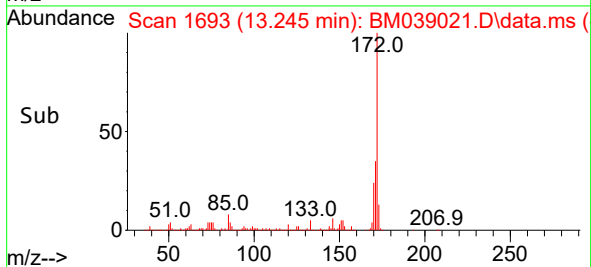
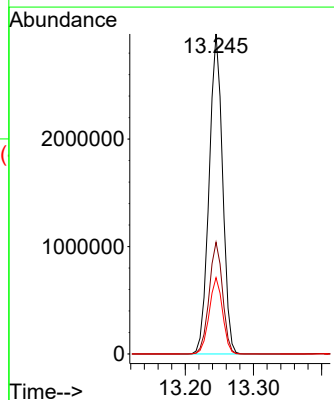
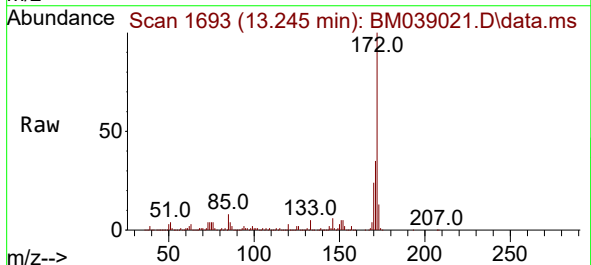
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

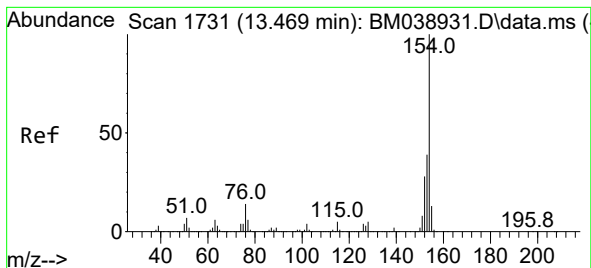
Tgt Ion:196	Resp:	46456
Ion Ratio	Lower	Upper
196	100	
198	91.7	76.3 114.5
97	54.6	44.2 66.4
132	30.8	23.4 35.2



#45
2-Fluorobiphenyl
Concen: 70.588 ng
RT: 13.245 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:172	Resp:	4090893
Ion Ratio	Lower	Upper
172	100	
171	34.9	28.2 42.2
170	23.9	19.1 28.7





#46

1,1'-Biphenyl

Concen: 3.465 ng

RT: 13.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

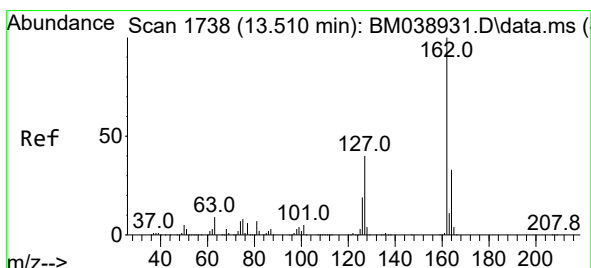
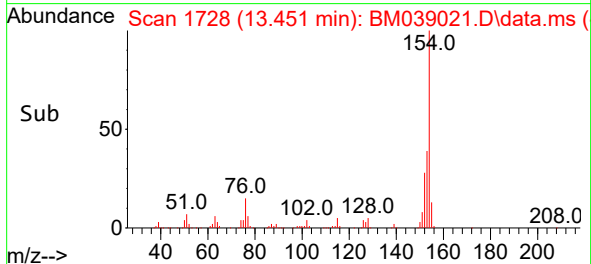
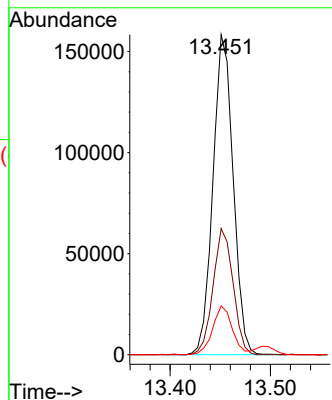
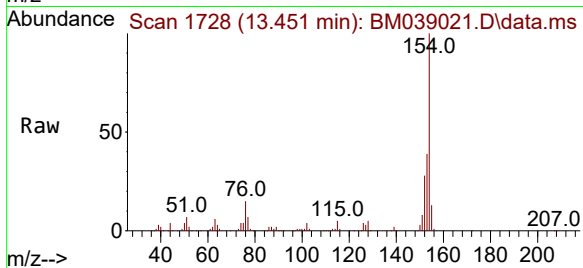
Tgt Ion:154 Resp: 221462

Ion Ratio Lower Upper

154 100

153 39.4 19.3 59.3

76 15.2 0.0 34.0



#47

2-Chloronaphthalene

Concen: 3.313 ng

RT: 13.492 min Scan# 1735

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

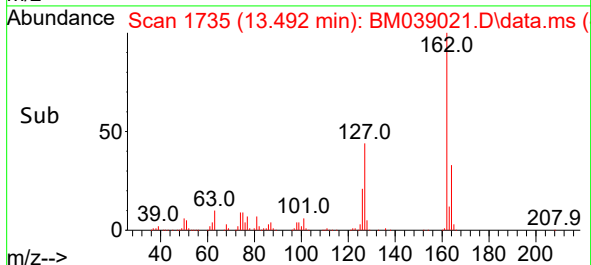
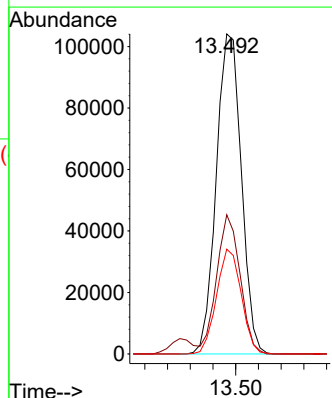
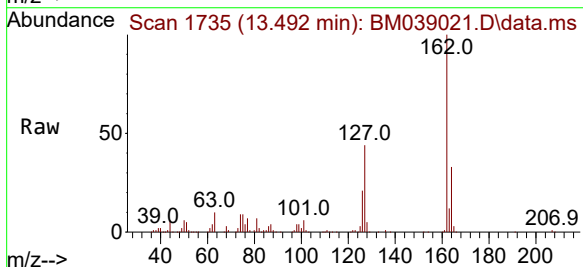
Tgt Ion:162 Resp: 159689

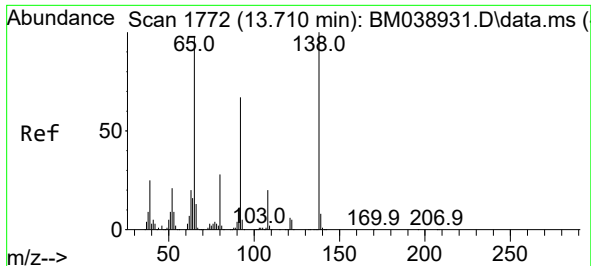
Ion Ratio Lower Upper

162 100

127 43.5 32.1 48.1

164 32.8 26.2 39.4

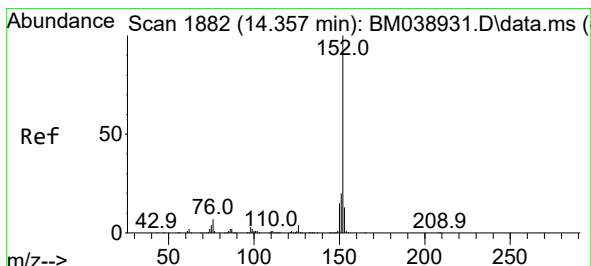
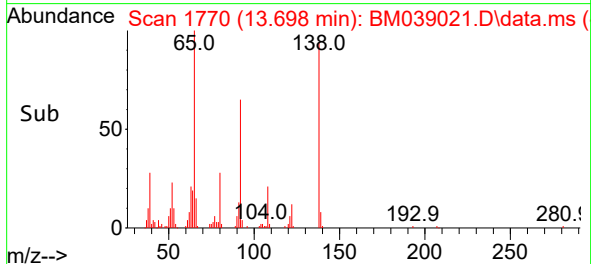
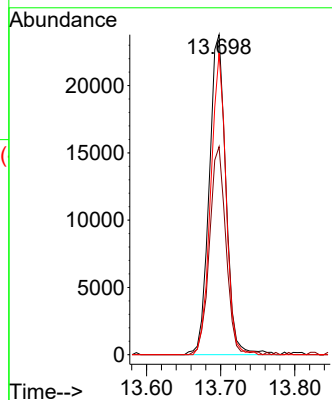
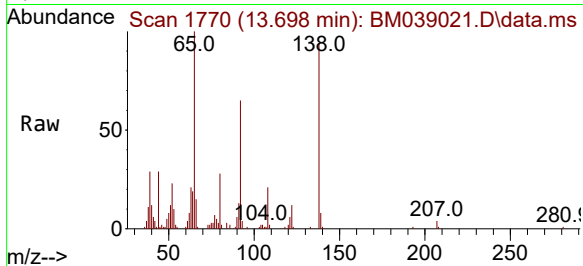




#48
2-Nitroaniline
Concen: 2.687 ng
RT: 13.698 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

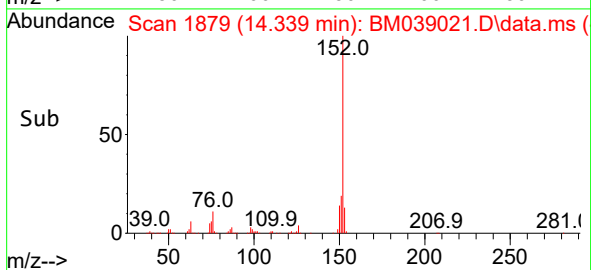
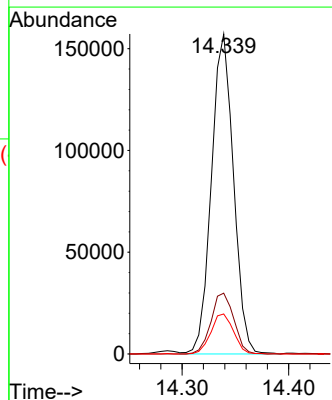
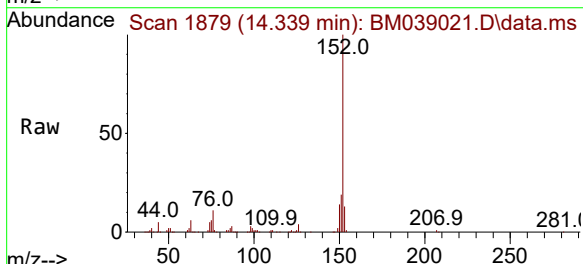
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

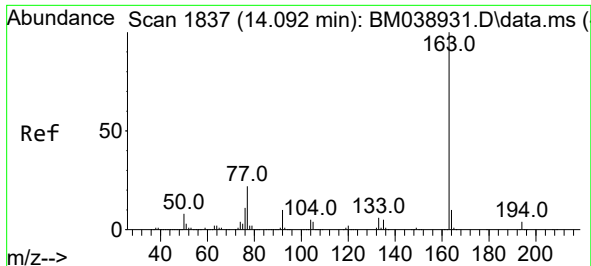
Tgt Ion: 65 Resp: 37192
Ion Ratio Lower Upper
65 100
92 65.0 54.9 82.3
138 94.2 81.6 122.4



#49
Acenaphthylene
Concen: 2.946 ng
RT: 14.339 min Scan# 1879
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 152 Resp: 226135
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.8
153 12.5 10.4 15.6

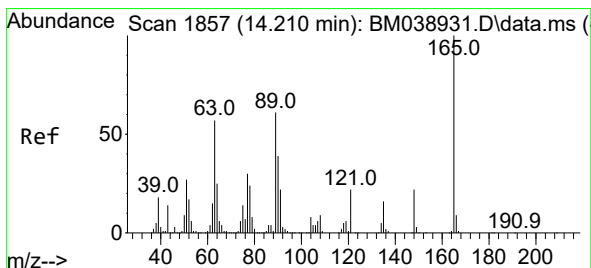
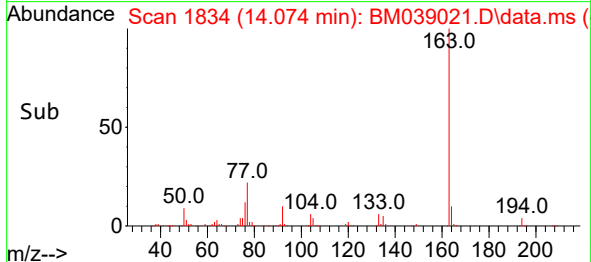
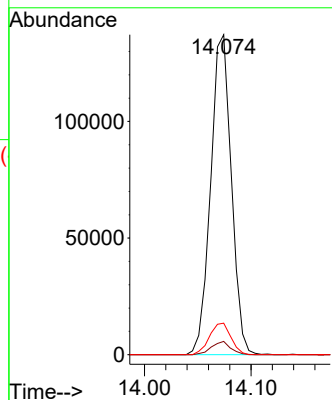
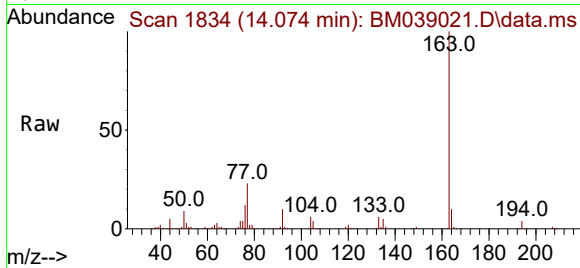




#50
Dimethylphthalate
Concen: 3.186 ng
RT: 14.074 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

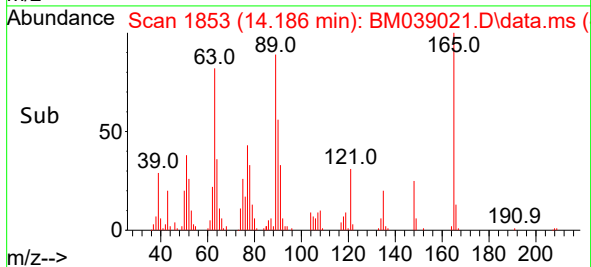
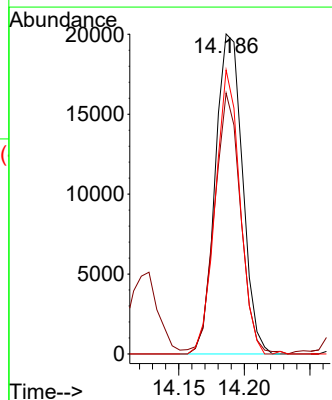
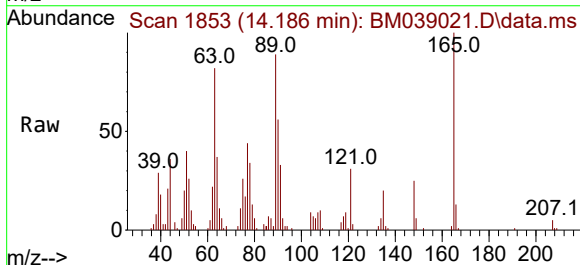
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

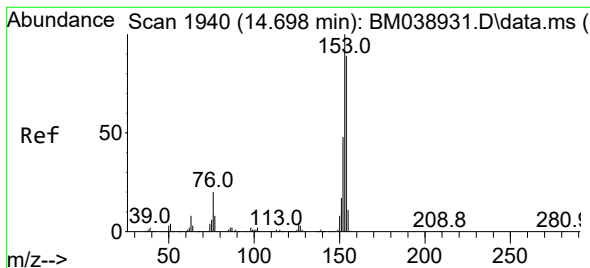
Tgt Ion:163 Resp: 184944
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.9 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 2.447 ng
RT: 14.186 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:165 Resp: 28883
Ion Ratio Lower Upper
165 100
63 81.5 46.6 70.0#
89 88.8 48.6 73.0#





#52

Acenaphthene

Concen: 3.182 ng

RT: 14.680 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

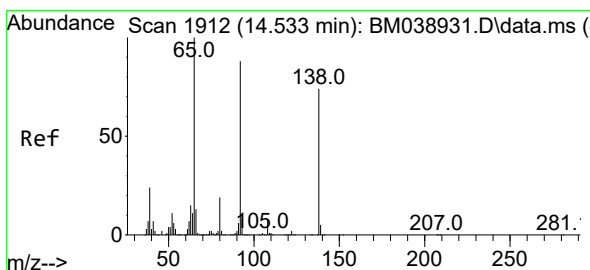
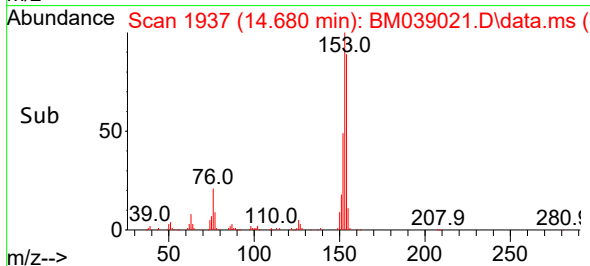
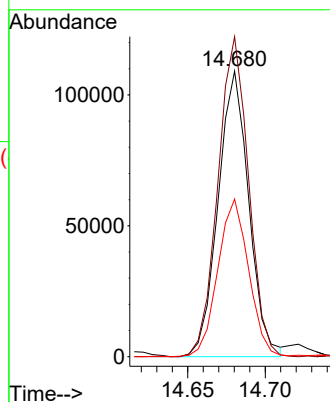
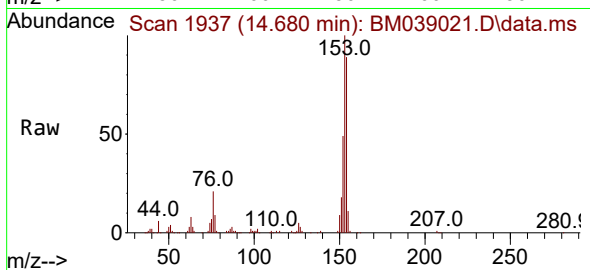
Tgt Ion:154 Resp: 150135

Ion Ratio Lower Upper

154 100

153 112.1 90.2 135.2

152 55.2 43.4 65.2



#53

3-Nitroaniline

Concen: 2.391 ng

RT: 14.516 min Scan# 1909

Delta R.T. -0.005 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

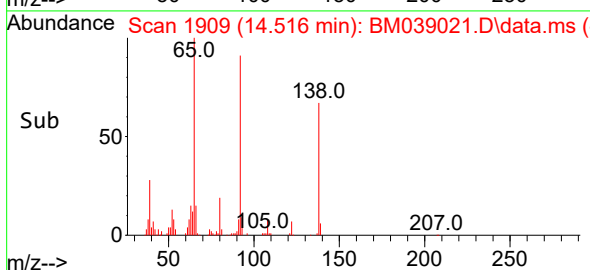
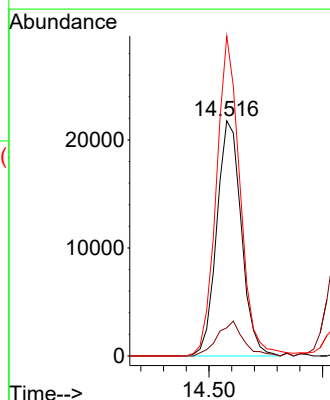
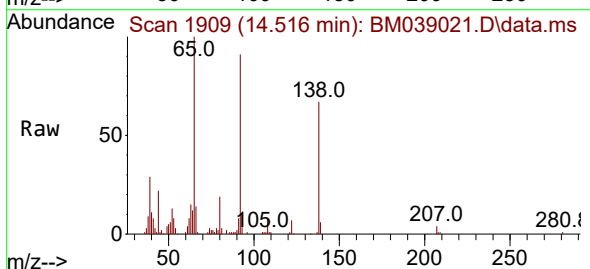
Tgt Ion:138 Resp: 32714

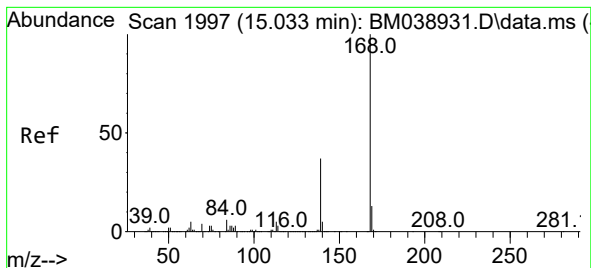
Ion Ratio Lower Upper

138 100

108 12.0 8.3 12.5

92 136.1 95.8 143.8





#55

Dibenzofuran

Concen: 3.233 ng

RT: 15.010 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

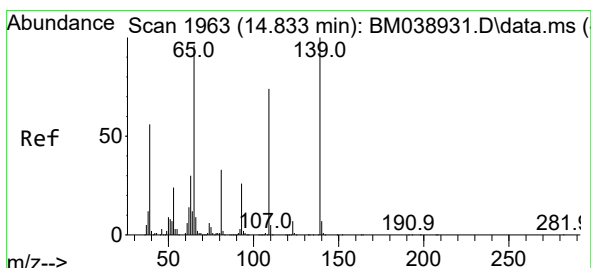
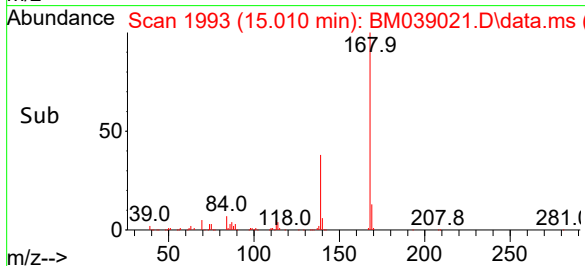
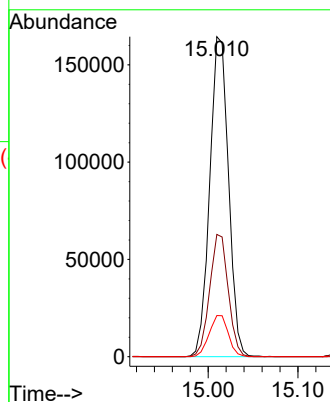
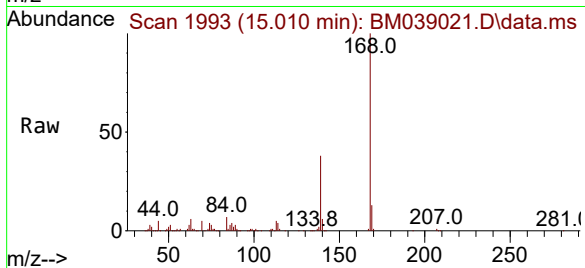
Tgt Ion:168 Resp: 238657

Ion Ratio Lower Upper

168 100

139 38.2 29.9 44.9

169 12.9 10.7 16.1



#56

4-Nitrophenol

Concen: 2.088 ng

RT: 14.816 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

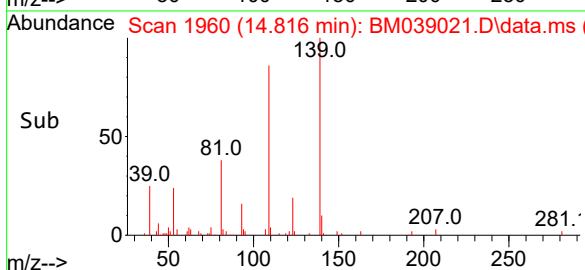
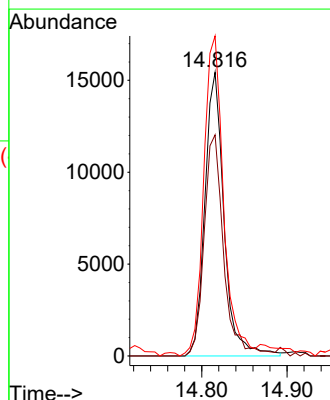
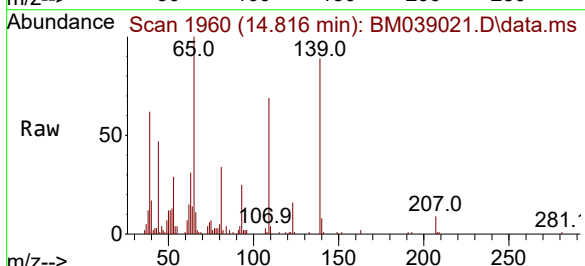
Tgt Ion:139 Resp: 24076

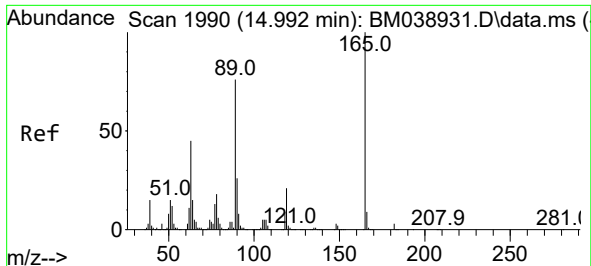
Ion Ratio Lower Upper

139 100

109 77.9 53.5 93.5

65 112.8 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 2.215 ng

RT: 14.974 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BM039021.D

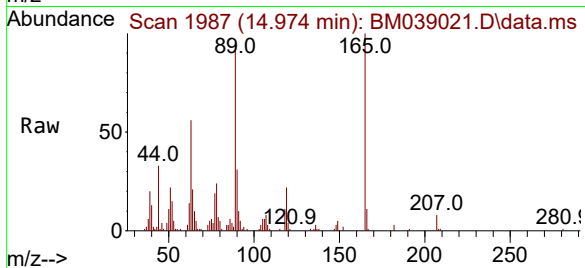
Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 33487

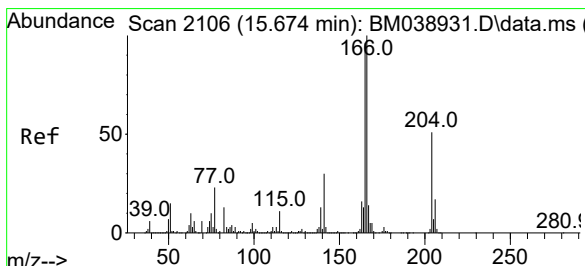
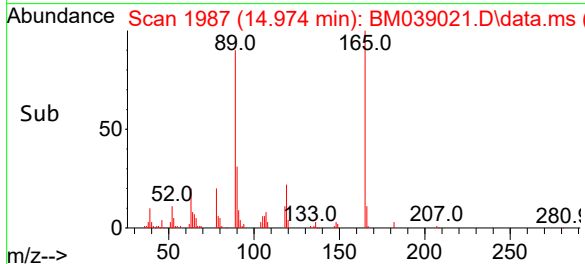
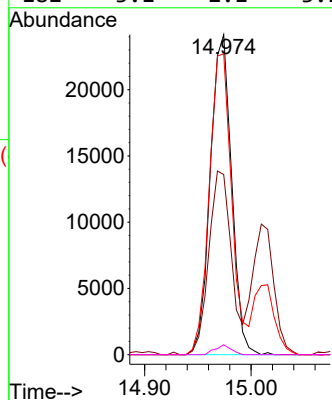
Ion Ratio Lower Upper

165 100

63 56.3 35.9 53.9#

89 94.1 61.0 91.6#

182 3.1 2.1 3.1



#58

Fluorene

Concen: 3.155 ng

RT: 15.663 min Scan# 2104

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

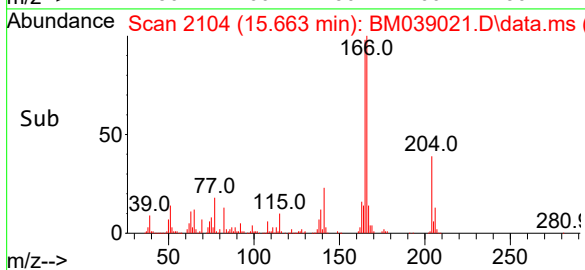
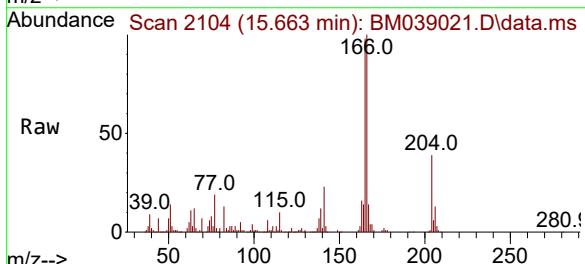
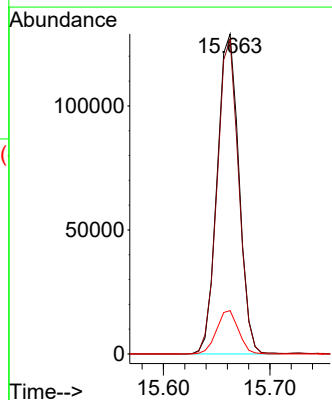
Tgt Ion:166 Resp: 182439

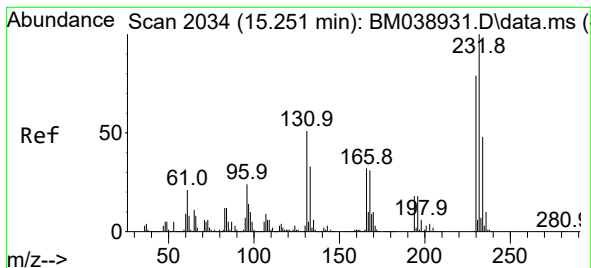
Ion Ratio Lower Upper

166 100

165 98.3 77.1 115.7

167 13.6 10.9 16.3

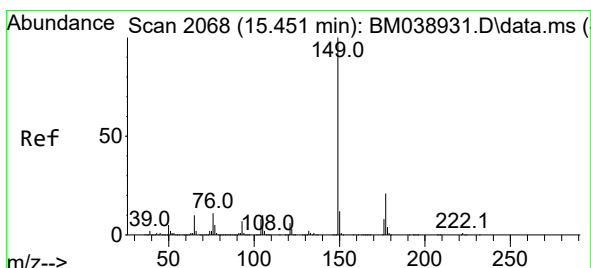
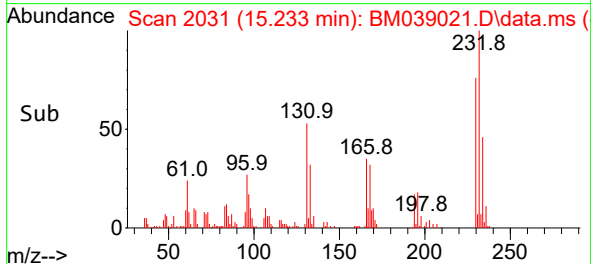
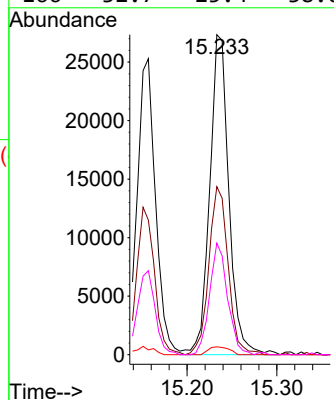
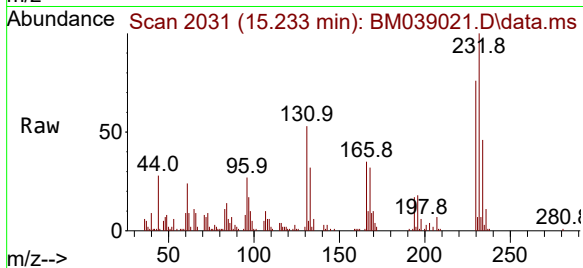




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.830 ng
RT: 15.233 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

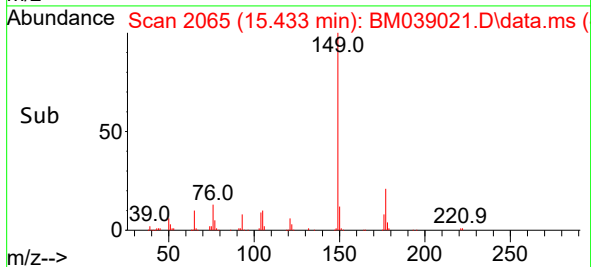
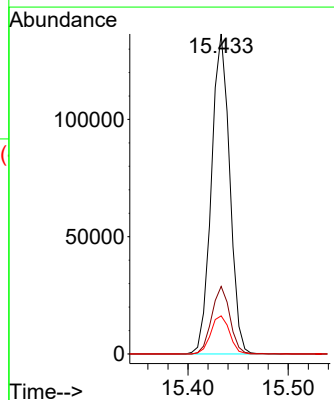
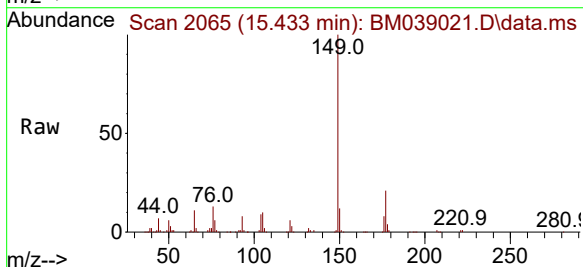
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

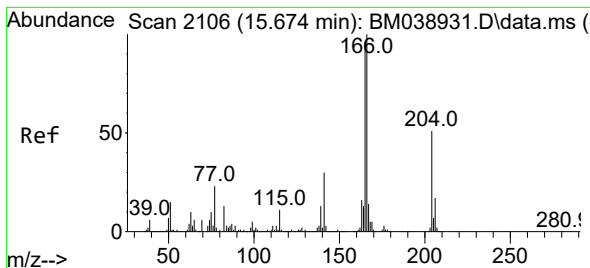
Tgt Ion:	232	Resp:	40572
Ion Ratio	Lower	Upper	
232	100		
131	52.8	40.0	60.0
130	2.6	2.0	3.0
166	32.7	25.4	38.0



#60
Diethylphthalate
Concen: 3.062 ng
RT: 15.433 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:	149	Resp:	172947
Ion Ratio	Lower	Upper	
149	100		
177	21.1	17.1	25.7
150	11.9	9.7	14.5

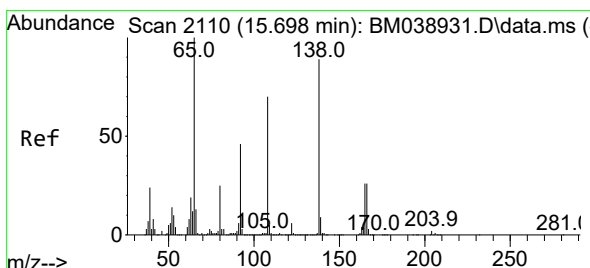
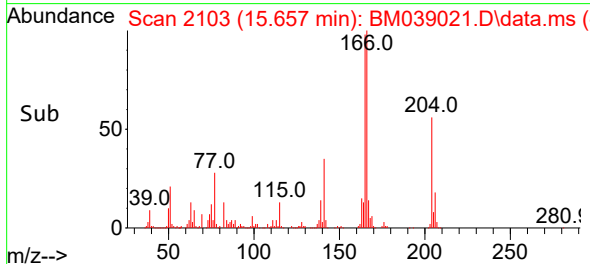
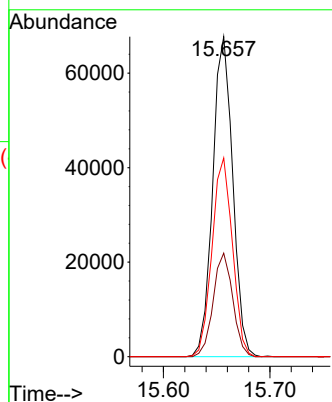
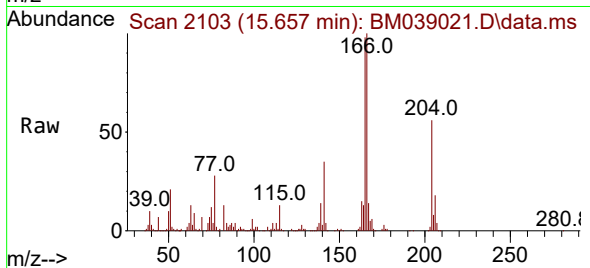




#61
4-Chlorophenyl-phenylether
Concen: 3.104 ng
RT: 15.657 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

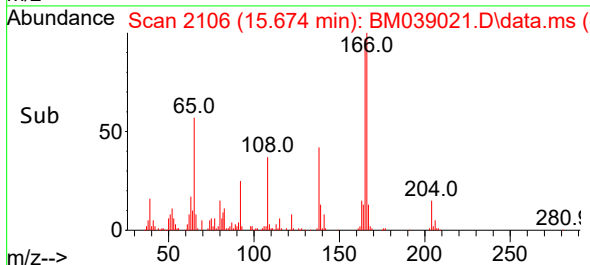
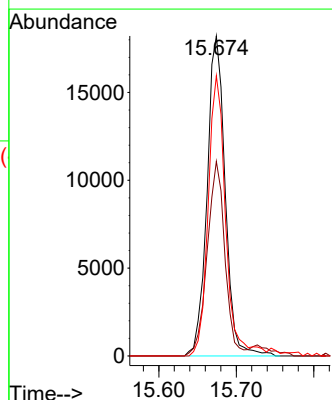
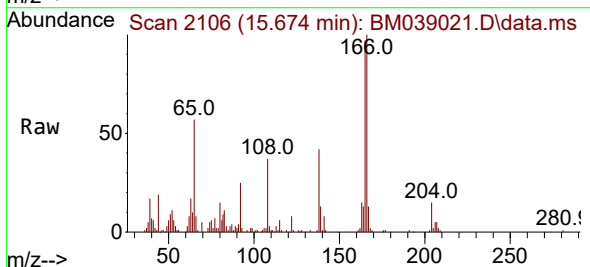
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

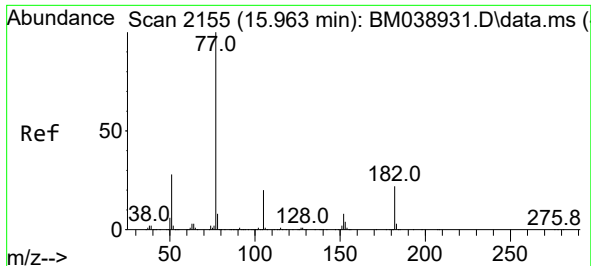
Tgt Ion:204 Resp: 88180
Ion Ratio Lower Upper
204 100
206 32.4 26.4 39.6
141 62.1 46.4 69.6



#62
4-Nitroaniline
Concen: 2.168 ng
RT: 15.674 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:138 Resp: 29602
Ion Ratio Lower Upper
138 100
92 60.8 31.6 71.6
108 87.5 58.6 98.6

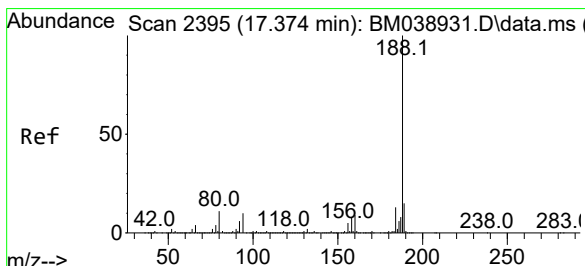
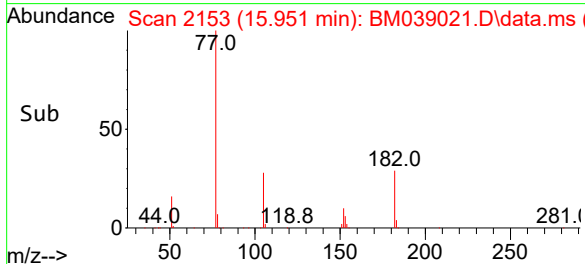
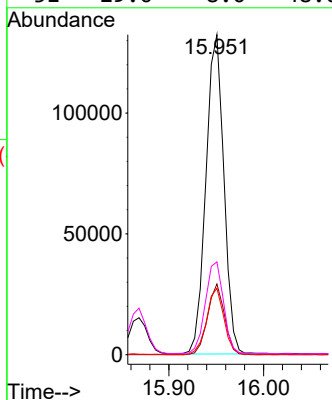
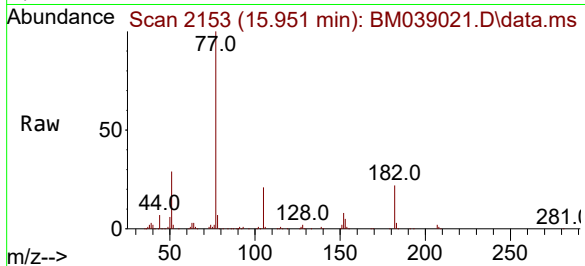




#63
Azobenzene
Concen: 2.911 ng
RT: 15.951 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

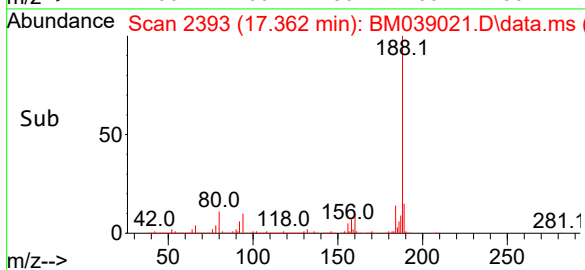
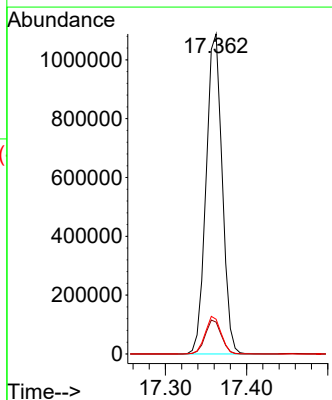
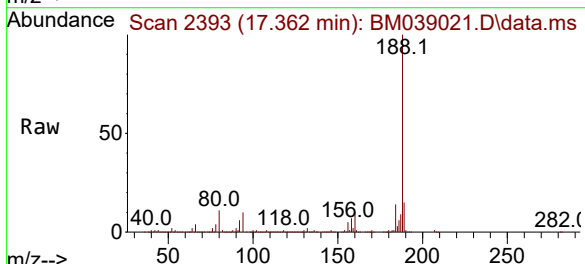
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

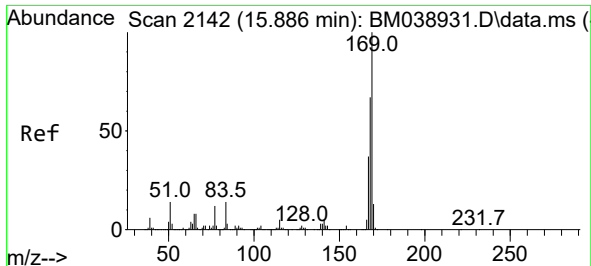
Tgt Ion: 77	Resp: 173990
Ion Ratio	Lower Upper
77 100	
182 22.1	2.0 42.0
105 20.7	0.4 40.4
51 29.0	8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.362 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:188	Resp: 1493343		
Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	10.9	8.5	12.7

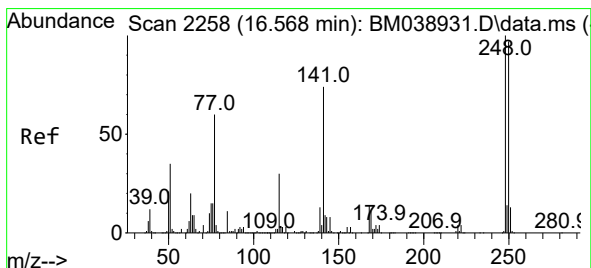
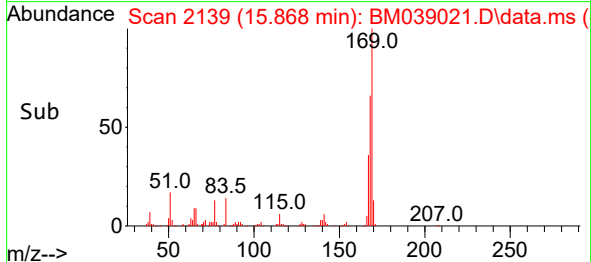
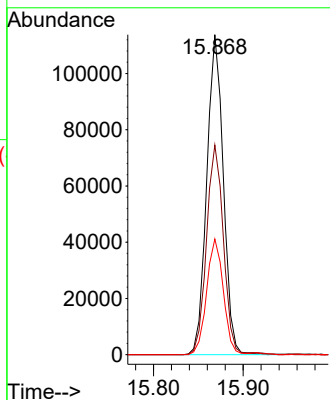
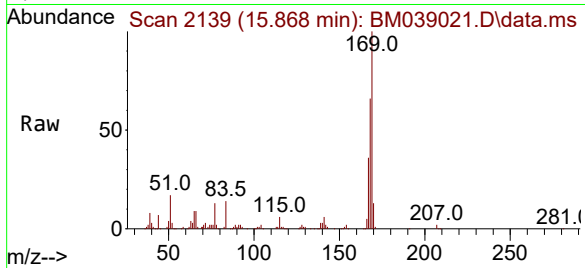




#66
 n-Nitrosodiphenylamine
 Concen: 2.895 ng
 RT: 15.868 min Scan# 2142
 Delta R.T. -0.006 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

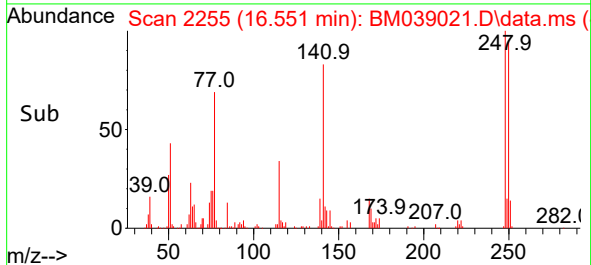
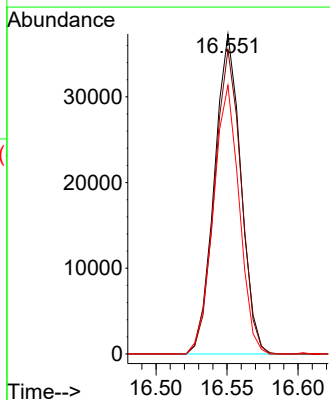
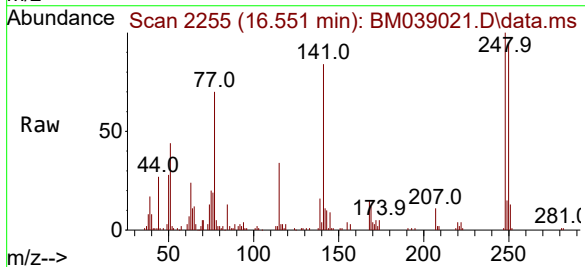
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

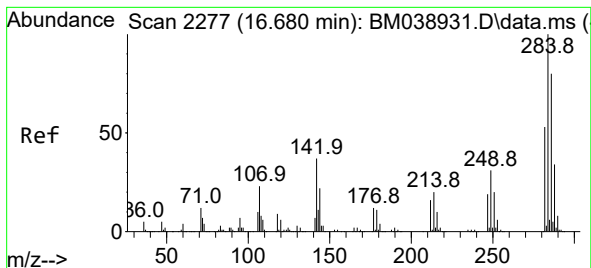
Tgt Ion:169 Resp: 145746
 Ion Ratio Lower Upper
 169 100
 168 65.5 53.4 80.0
 167 36.2 29.4 44.0



#67
 4-Bromophenyl-phenylether
 Concen: 2.996 ng
 RT: 16.551 min Scan# 2255
 Delta R.T. 0.000 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

Tgt Ion:248 Resp: 48329
 Ion Ratio Lower Upper
 248 100
 250 95.1 77.8 116.8
 141 84.0 59.0 88.4





#68

Hexachlorobenzene

Concen: 3.163 ng

RT: 16.662 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

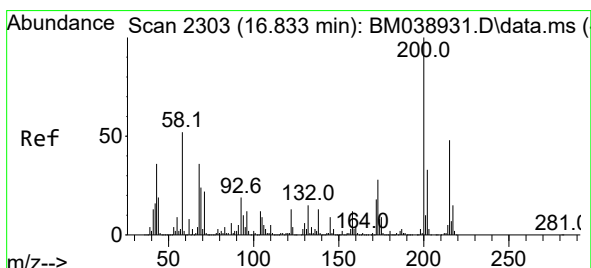
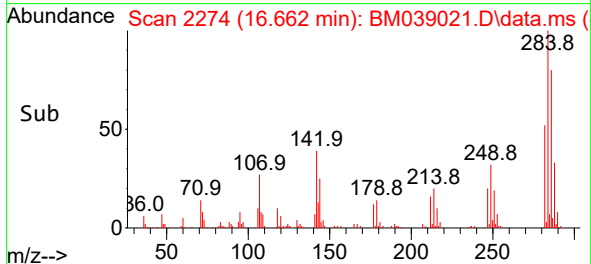
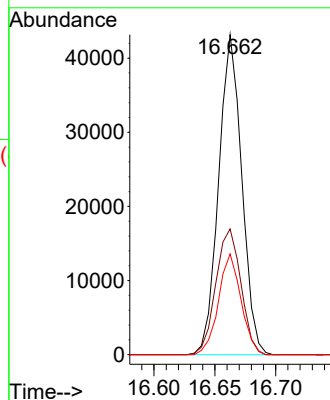
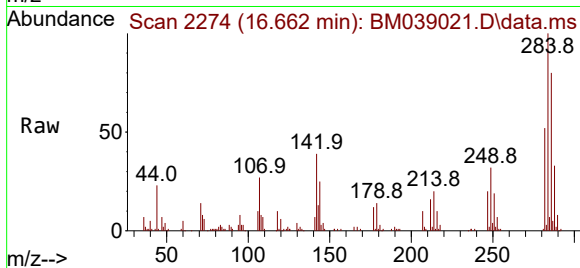
Tgt Ion:284 Resp: 57028

Ion Ratio Lower Upper

284 100

142 39.3 29.5 44.3

249 31.5 25.0 37.4



#69

Atrazine

Concen: 3.037 ng

RT: 16.815 min Scan# 2300

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

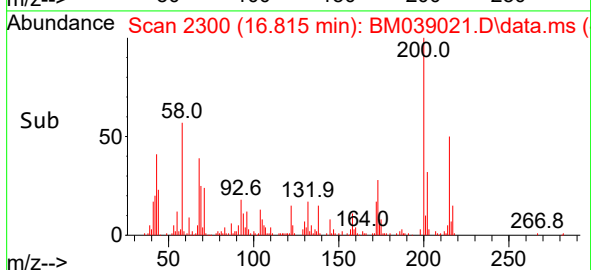
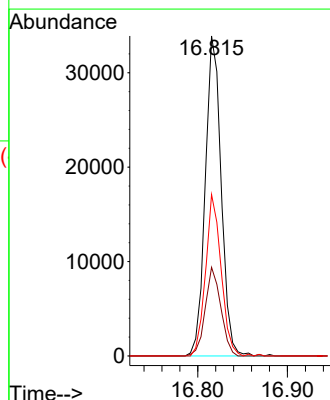
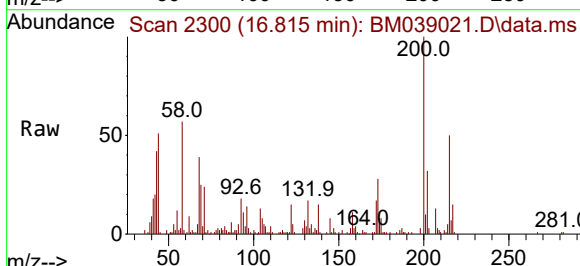
Tgt Ion:200 Resp: 41765

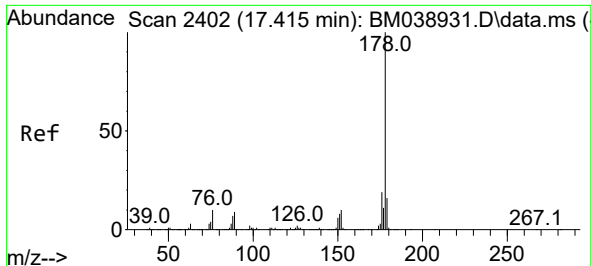
Ion Ratio Lower Upper

200 100

173 27.7 8.2 48.2

215 50.5 27.8 67.8

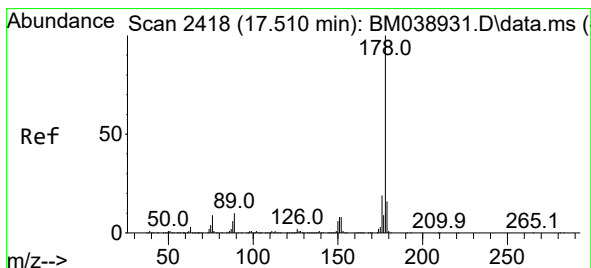
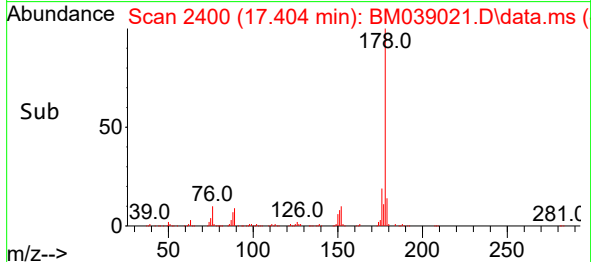
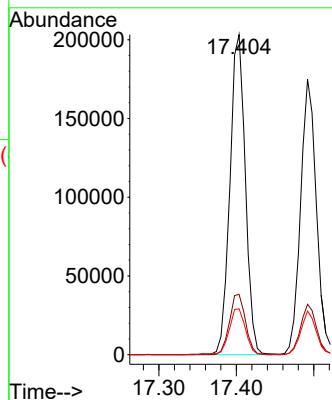
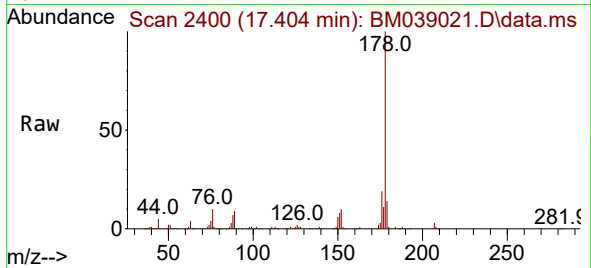




#71
Phenanthrene
Concen: 3.224 ng
RT: 17.404 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

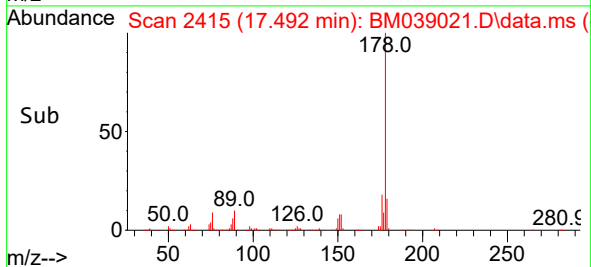
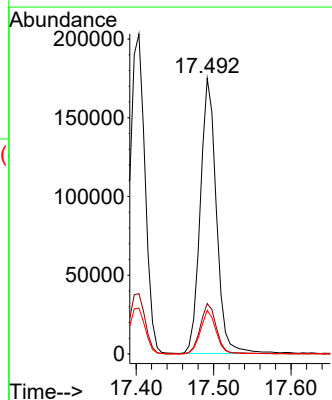
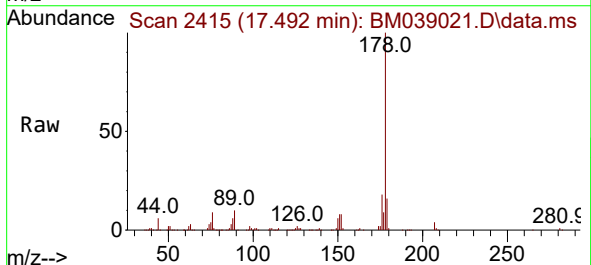
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

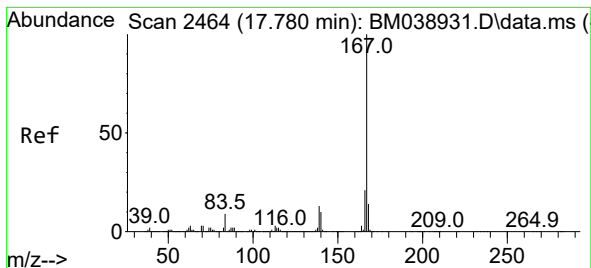
Tgt Ion:178 Resp: 282563
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 14.4 12.5 18.7



#72
Anthracene
Concen: 2.884 ng
RT: 17.492 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:178 Resp: 252112
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.9 12.5 18.7





#73

Carbazole

Concen: 2.913 ng

RT: 17.762 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

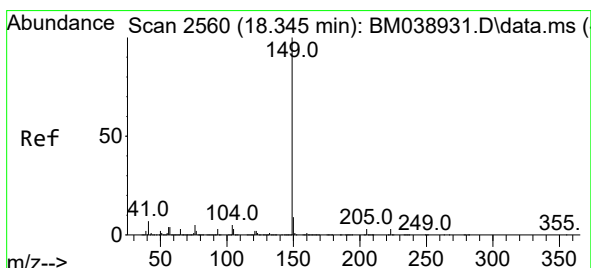
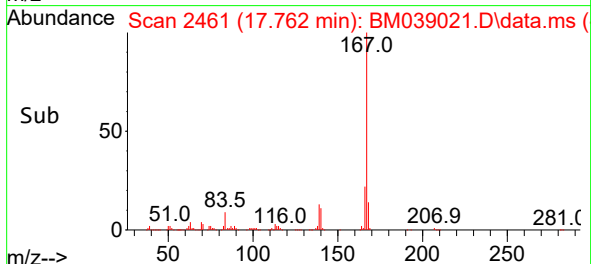
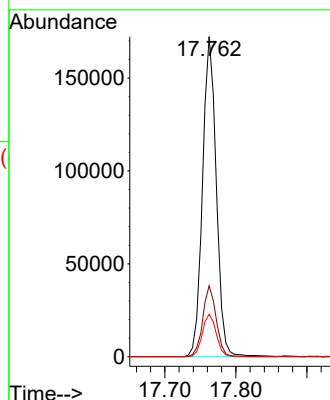
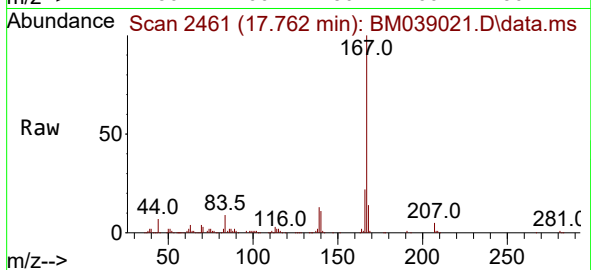
Tgt Ion:167 Resp: 232410

Ion Ratio Lower Upper

167 100

166 22.1 17.0 25.4

139 13.3 10.3 15.5



#74

Di-n-butylphthalate

Concen: 2.691 ng

RT: 18.327 min Scan# 2557

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

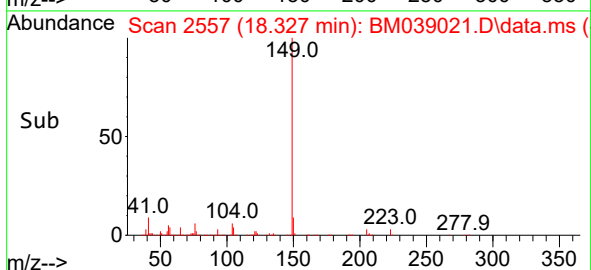
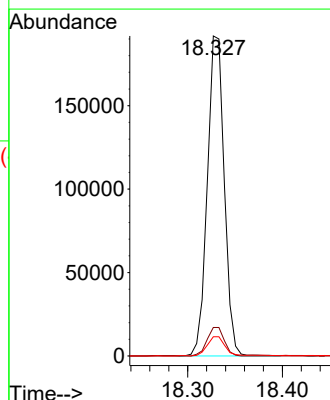
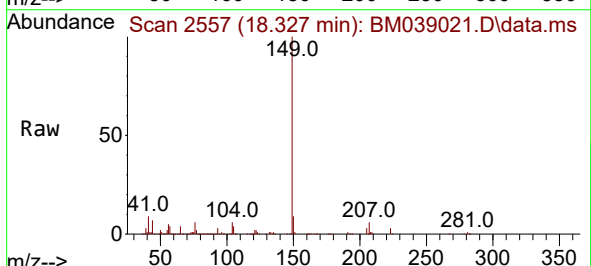
Tgt Ion:149 Resp: 238434

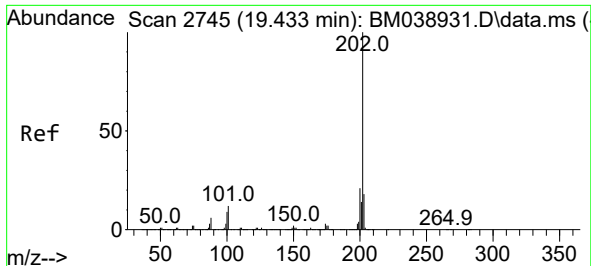
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

104 6.0 4.3 6.5

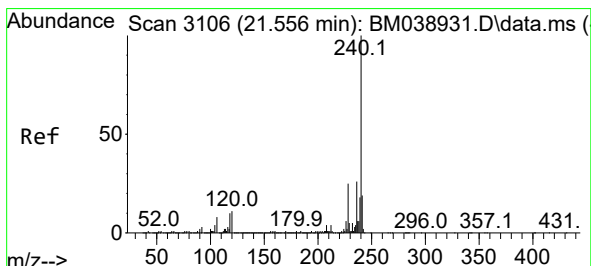
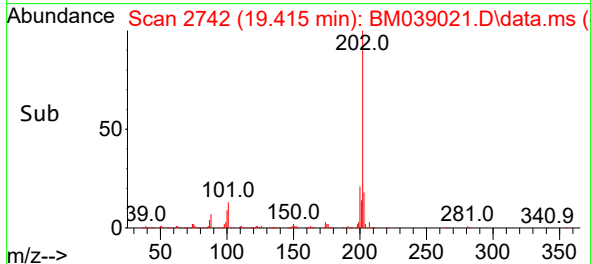
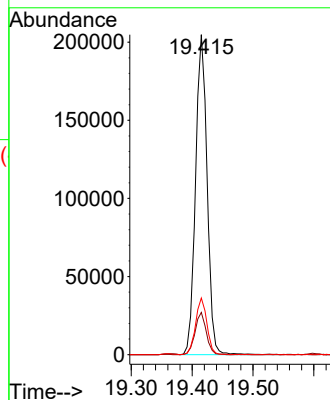
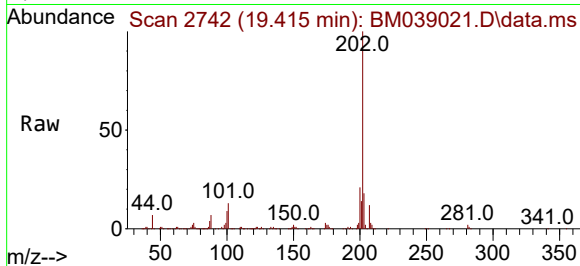




#75
Fluoranthene
Concen: 2.917 ng
RT: 19.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

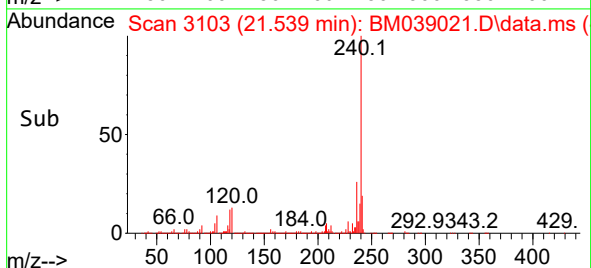
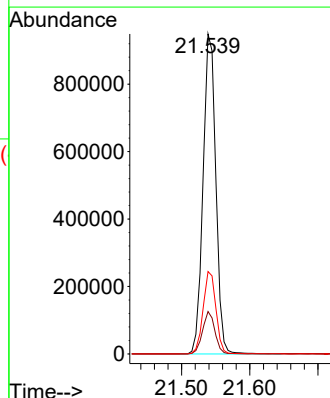
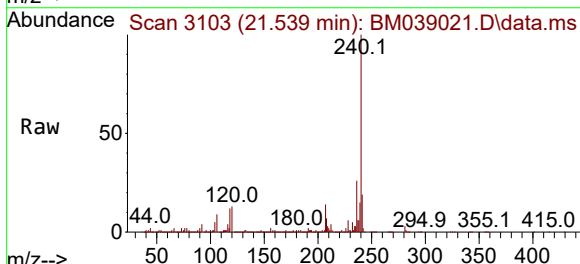
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

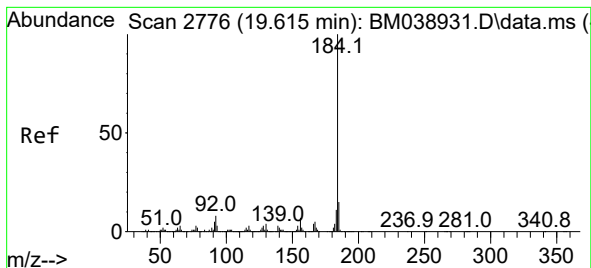
Tgt Ion:202 Resp: 269932
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.7
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.539 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:240 Resp: 1235775
Ion Ratio Lower Upper
240 100
120 13.2 9.2 13.8
236 25.8 20.8 31.2





#77

Benzidine

Concen: 4.104 ng

RT: 19.603 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

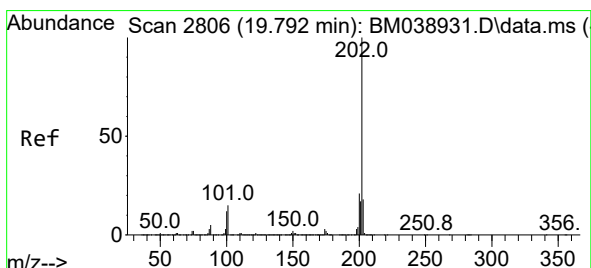
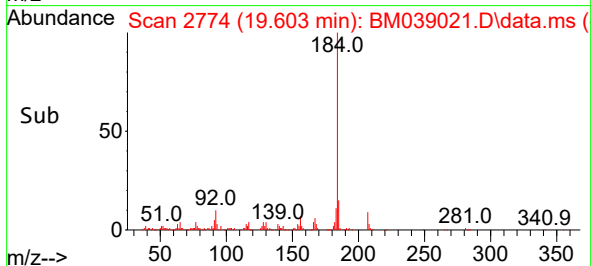
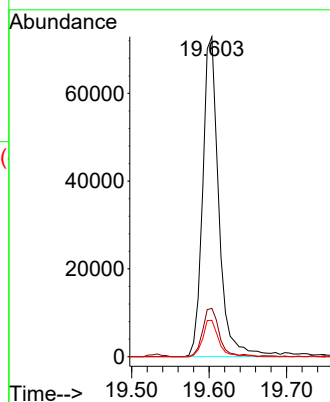
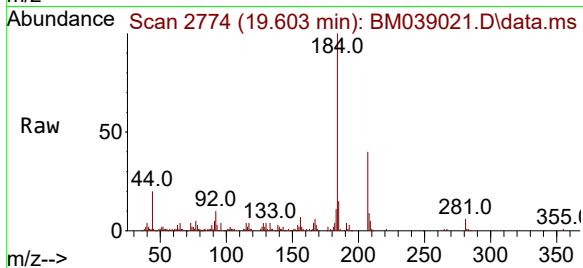
Tgt Ion:184 Resp: 105705

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.4

183 11.4 8.8 13.2



#78

Pyrene

Concen: 3.127 ng

RT: 19.780 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

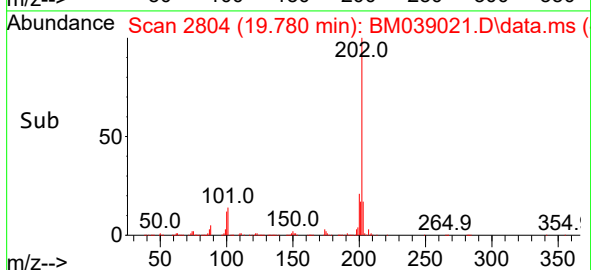
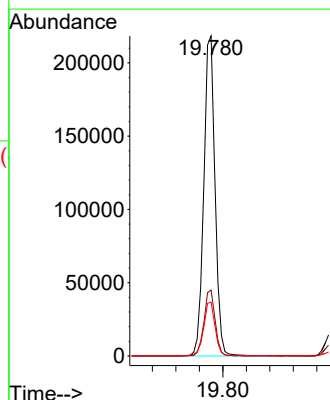
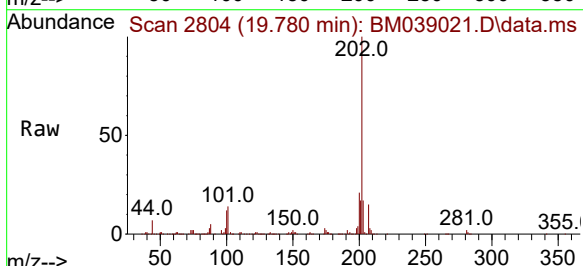
Tgt Ion:202 Resp: 290193

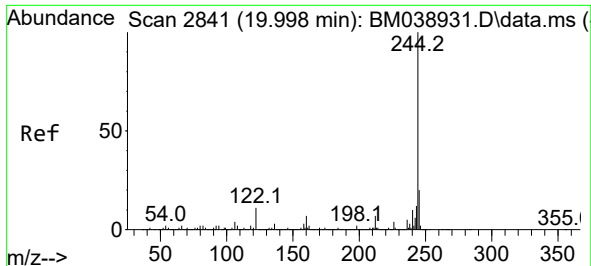
Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 16.8 14.1 21.1

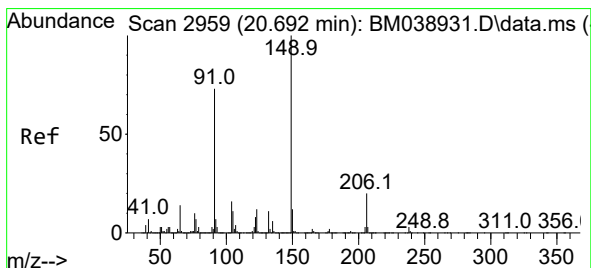
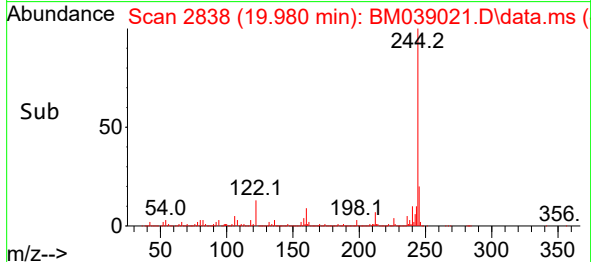
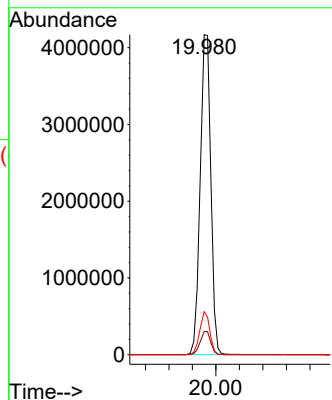
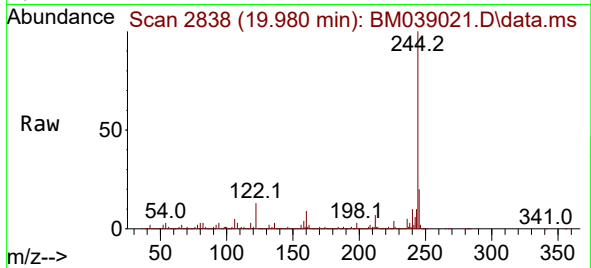




#79
 Terphenyl-d14
 Concen: 77.404 ng
 RT: 19.980 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

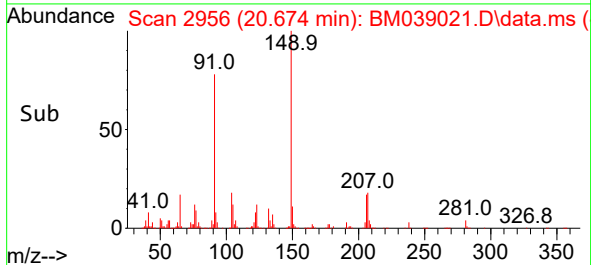
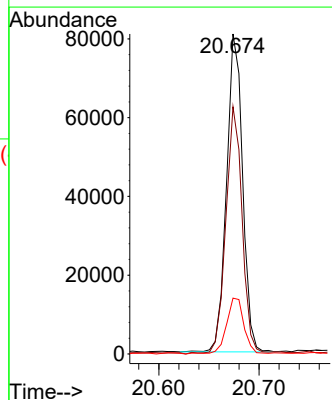
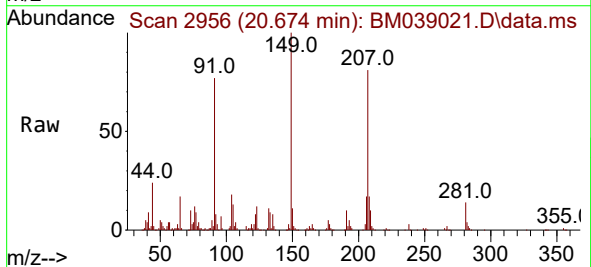
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

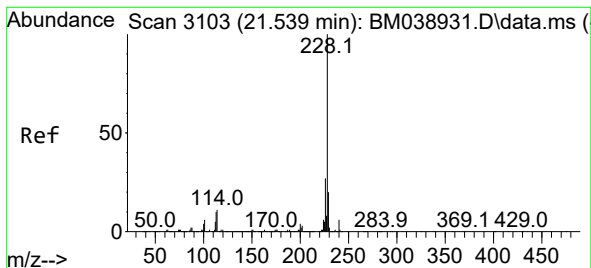
Tgt Ion:244 Resp: 5231773
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 13.5 9.0 13.4#



#80
 Butylbenzylphthalate
 Concen: 2.593 ng
 RT: 20.674 min Scan# 2956
 Delta R.T. -0.000 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

Tgt Ion:149 Resp: 89383
 Ion Ratio Lower Upper
 149 100
 91 77.3 58.4 87.6
 206 17.4 16.1 24.1





#81

Benzo(a)anthracene

Concen: 3.064 ng

RT: 21.527 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

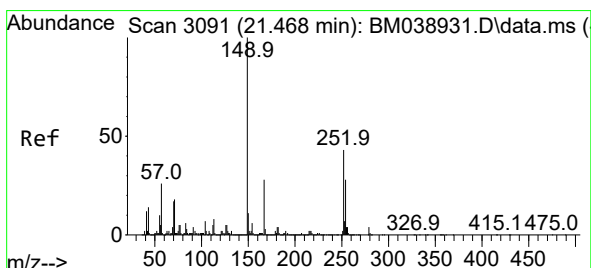
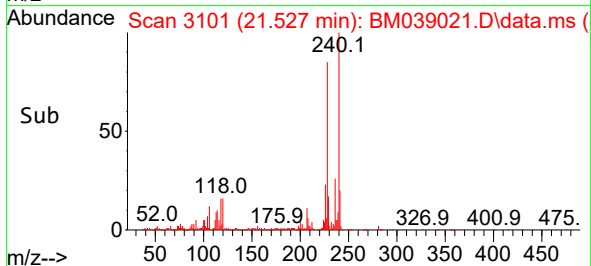
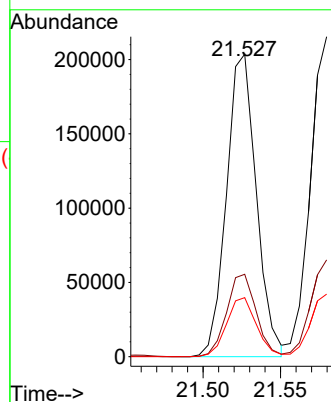
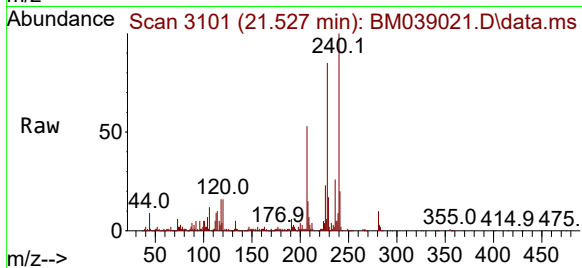
Tgt Ion:228 Resp: 272667

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.2

229 19.5 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 2.988 ng

RT: 21.456 min Scan# 3089

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

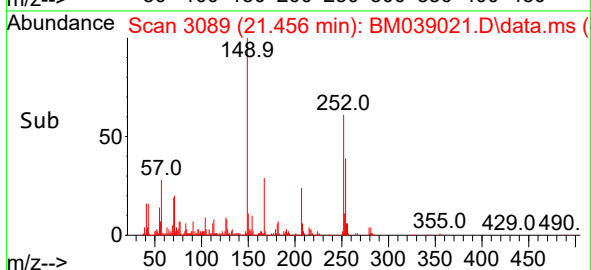
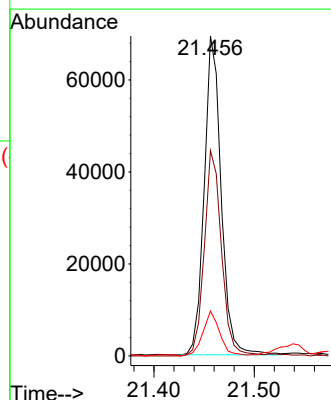
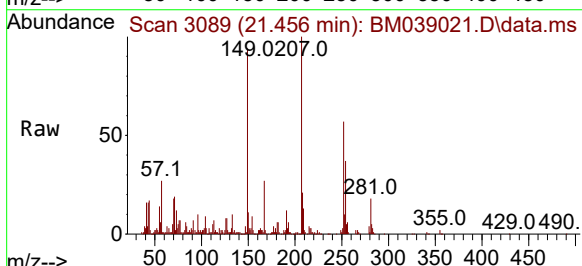
Tgt Ion:252 Resp: 81722

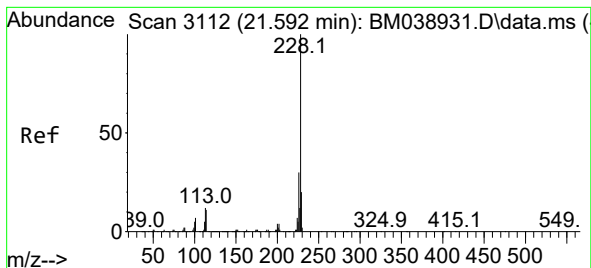
Ion Ratio Lower Upper

252 100

254 64.2 51.5 77.3

126 14.1 9.9 14.9





#83

Chrysene

Concen: 3.175 ng

RT: 21.580 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

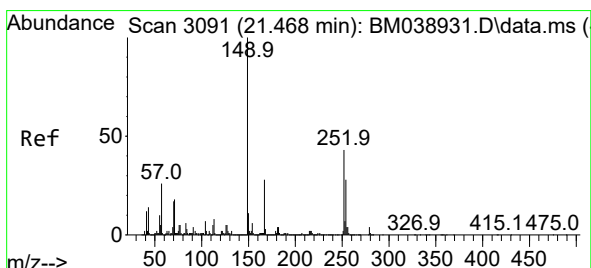
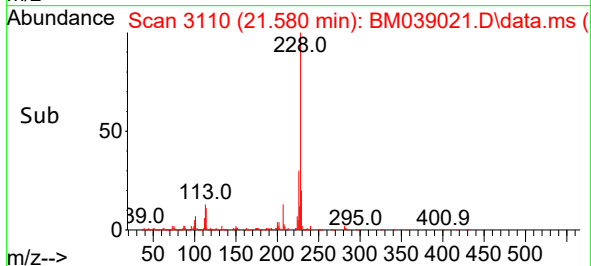
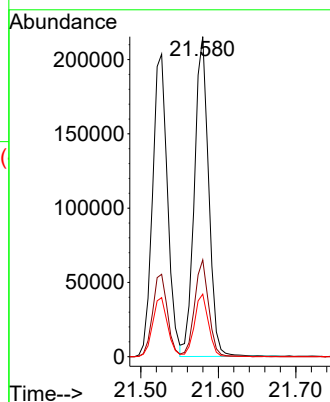
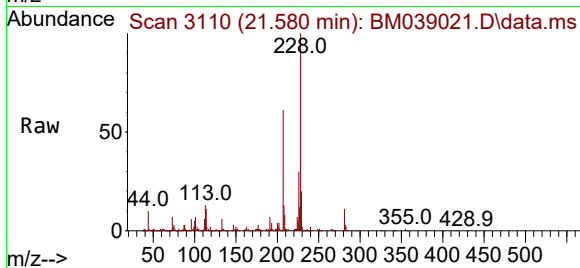
Tgt Ion:228 Resp: 274806

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 19.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.550 ng

RT: 21.450 min Scan# 3088

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

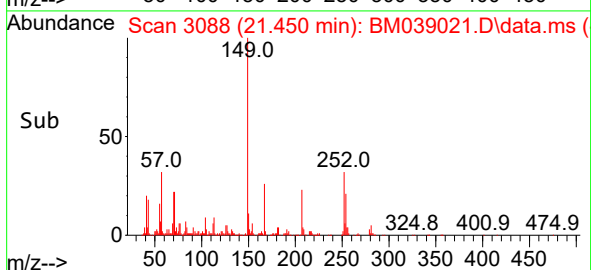
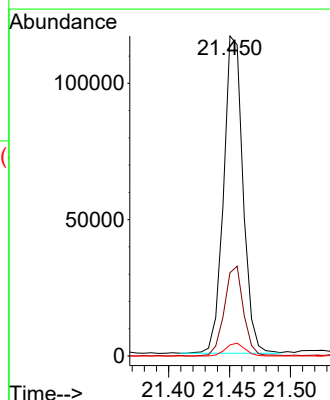
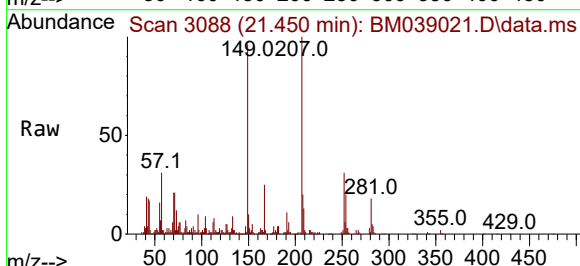
Tgt Ion:149 Resp: 128984

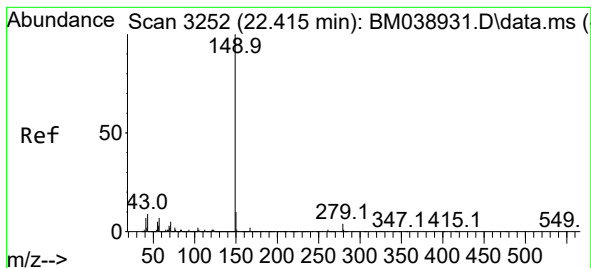
Ion Ratio Lower Upper

149 100

167 26.0 22.3 33.5

279 3.5 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 2.214 ng

RT: 22.391 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

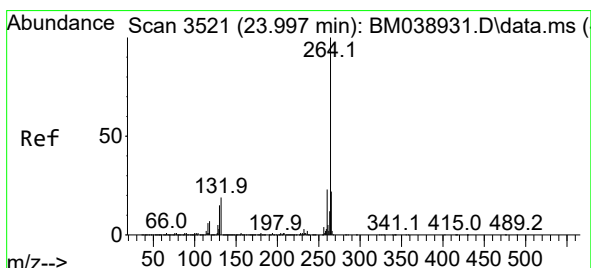
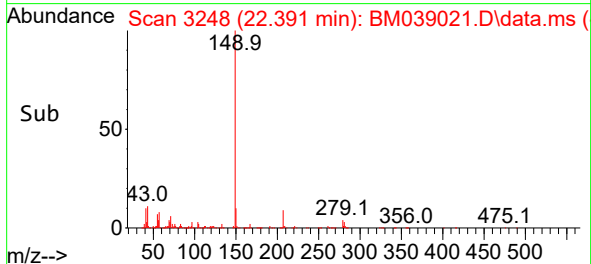
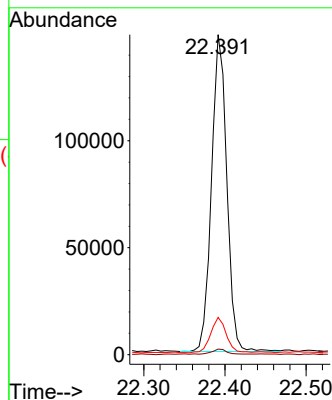
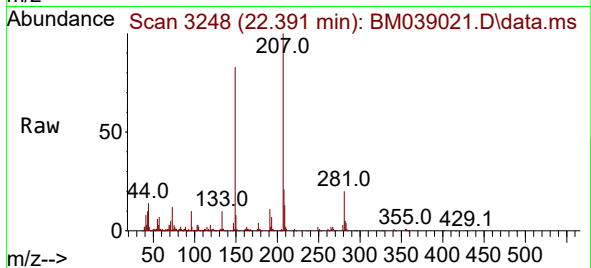
Tgt Ion:149 Resp: 193411

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.4 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.980 min Scan# 3518

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

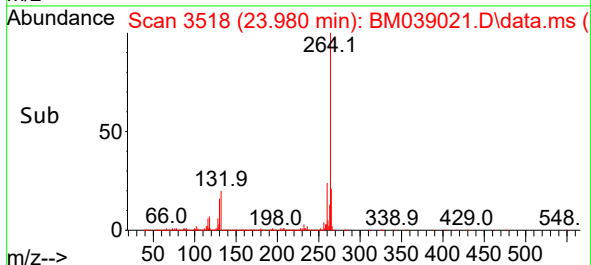
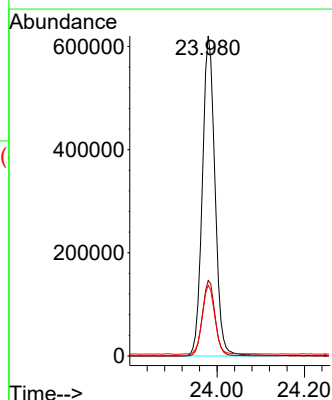
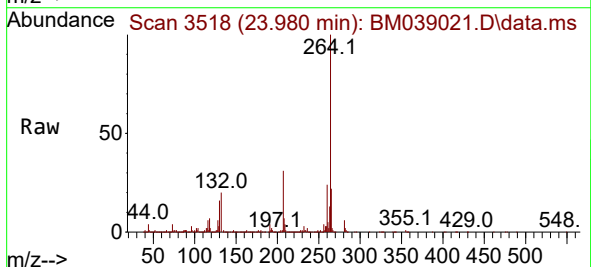
Tgt Ion:264 Resp: 1252468

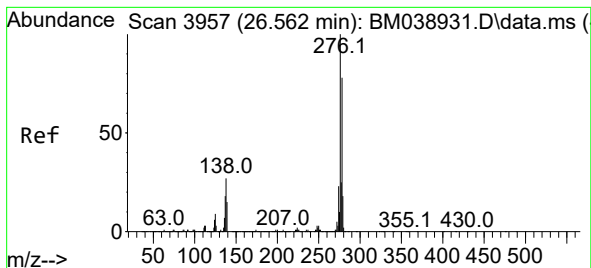
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.1 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.782 ng

RT: 26.509 min Scan# 3948

Delta R.T. -0.012 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

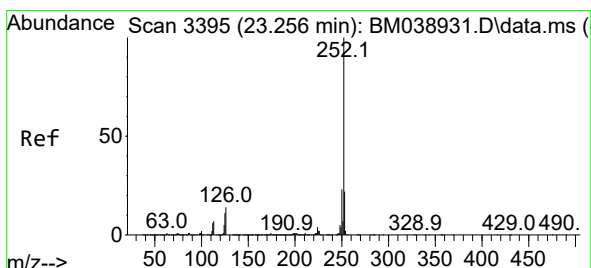
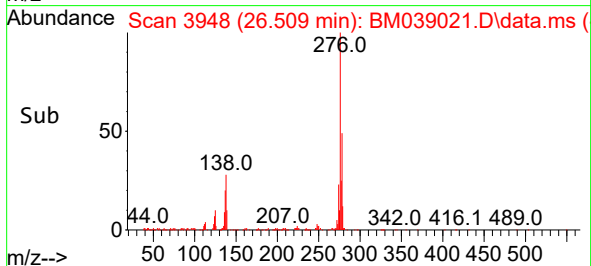
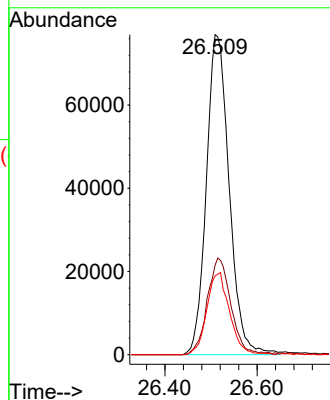
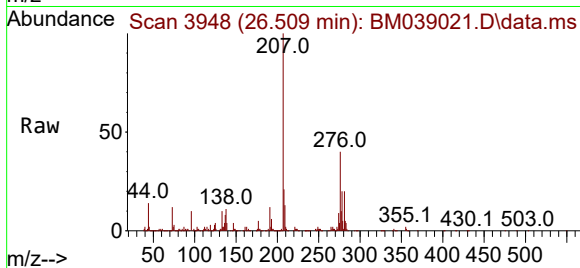
Tgt Ion:276 Resp: 265153

Ion Ratio Lower Upper

276 100

138 31.1 22.1 33.1

277 25.5 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 3.152 ng

RT: 23.233 min Scan# 3391

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

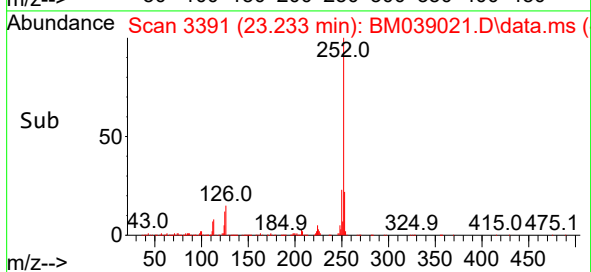
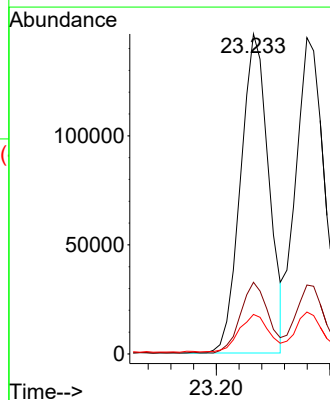
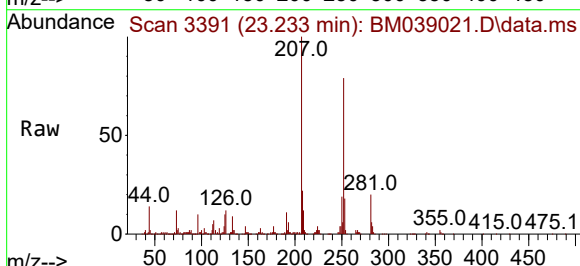
Tgt Ion:252 Resp: 252247

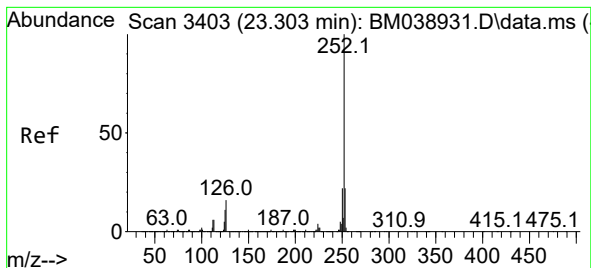
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 12.3 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 3.101 ng

RT: 23.280 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

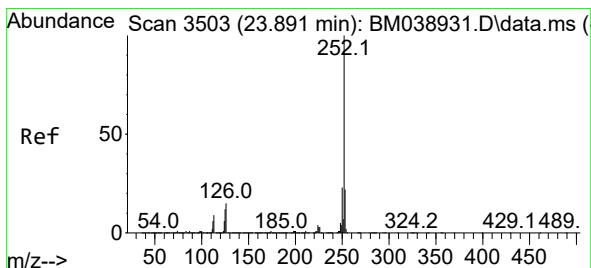
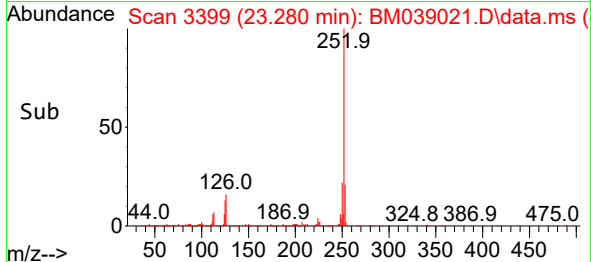
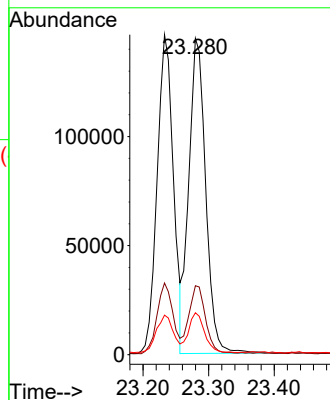
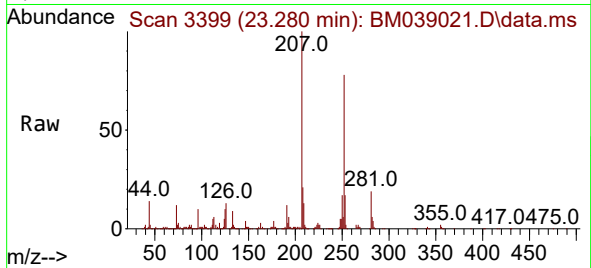
Tgt Ion:252 Resp: 258206

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 13.2 8.9 13.3



#90

Benzo(a)pyrene

Concen: 2.644 ng

RT: 23.868 min Scan# 3499

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

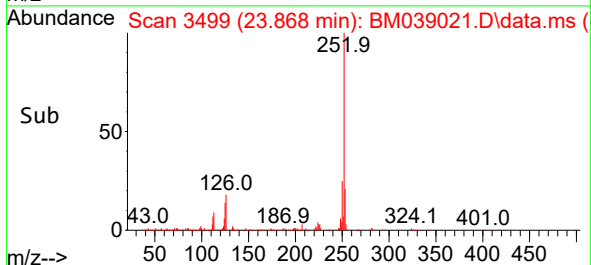
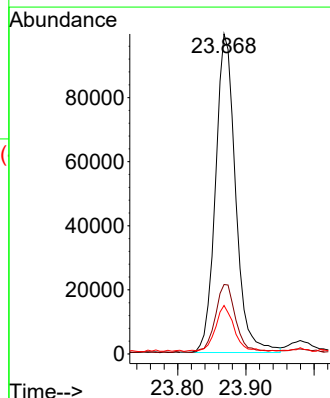
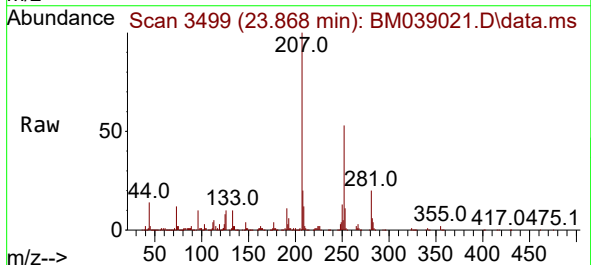
Tgt Ion:252 Resp: 203601

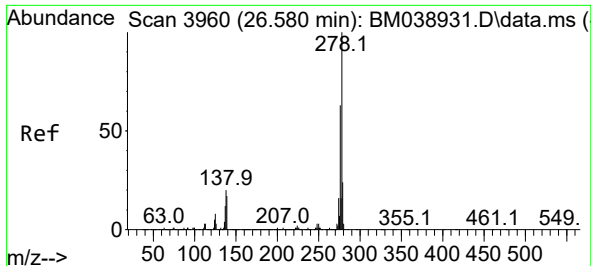
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 15.1 9.8 14.8#

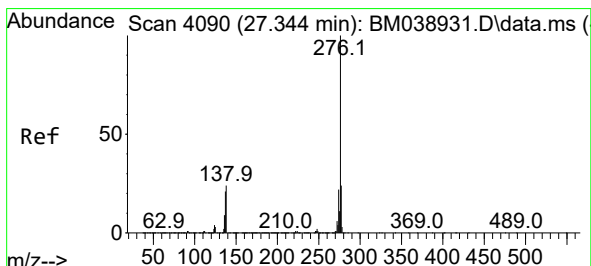
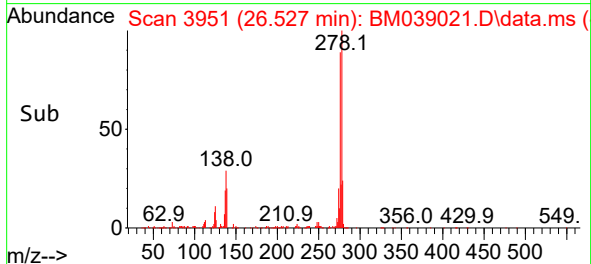
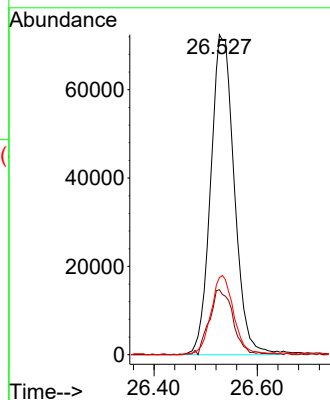
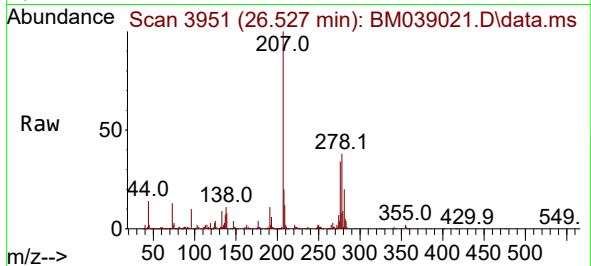




#91
Dibenzo(a,h)anthracene
Concen: 2.838 ng
RT: 26.527 min Scan# 3960
Delta R.T. -0.012 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:278 Resp: 229087
Ion Ratio Lower Upper
278 100
139 20.3 13.7 20.5
279 24.1 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 2.822 ng
RT: 27.291 min Scan# 4081
Delta R.T. -0.012 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:276 Resp: 222851
Ion Ratio Lower Upper
276 100
277 22.9 19.3 28.9
138 25.6 19.0 28.6

