

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038464.D
 Acq On : 17 Jan 2023 13:34
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 19 04:48:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	37876	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	125806	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	77116	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	179369	20.000	ng	0.00
76) Chrysene-d12	21.527	240	207289	20.000	ng	0.00
86) Perylene-d12	23.950	264	260850	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	341079	137.364	ng	-0.01
7) Phenol-d6	7.140	99	423470	133.137	ng	0.00
23) Nitrobenzene-d5	9.151	82	336824	109.088	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	179413	137.624	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	656941	106.239	ng	0.00
79) Terphenyl-d14	19.968	244	1287251	116.252	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	6153	5.422	ng	95
3) Pyridine	3.822	79	11034	3.361	ng	# 83
4) n-Nitrosodimethylamine	3.716	42	9921	5.108	ng	# 90
6) Aniline	7.304	93	18498	4.604	ng	96
8) 2-Chlorophenol	7.540	128	11999	4.881	ng	99
9) Benzaldehyde	7.122	77	14234	6.692	ng	94
10) Phenol	7.163	94	17080	5.153	ng	81
11) bis(2-Chloroethyl)ether	7.398	93	12981	4.833	ng	99
12) 1,3-Dichlorobenzene	7.863	146	14493	5.503	ng	92
13) 1,4-Dichlorobenzene	8.016	146	13474	5.085	ng	98
14) 1,2-Dichlorobenzene	8.328	146	13746	5.306	ng	95
15) Benzyl Alcohol	8.222	79	11610	4.557	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.504	45	18527	4.947	ng	99
17) 2-Methylphenol	8.422	107	9310	4.159	ng	# 95
18) Hexachloroethane	9.057	117	5693	5.246	ng	91
19) n-Nitroso-di-n-propyla...	8.787	70	10711	4.639	ng	# 89
20) 3+4-Methylphenols	8.751	107	11987	3.988	ng	97
22) Acetophenone	8.810	105	18968	5.101	ng	# 95
24) Nitrobenzene	9.192	77	17139	5.254	ng	98
25) Isophorone	9.716	82	25470	4.657	ng	100
26) 2-Nitrophenol	9.910	139	4620	4.034	ng	# 85
27) 2,4-Dimethylphenol	9.963	122	8986	4.607	ng	98
28) bis(2-Chloroethoxy)met...	10.198	93	15145	4.924	ng	# 93
29) 2,4-Dichlorophenol	10.439	162	9251	4.294	ng	93
30) 1,2,4-Trichlorobenzene	10.651	180	12238	4.912	ng	95
31) Naphthalene	10.839	128	32946	4.941	ng	98
32) Benzoic acid	10.039	122	3447	6.997	ng	85
33) 4-Chloroaniline	10.963	127	12110	4.138	ng	# 90
34) Hexachlorobutadiene	11.116	225	8661	4.957	ng	96
35) Caprolactam	11.739	113	2381	3.910	ng	96
36) 4-Chloro-3-methylphenol	12.075	107	10455	4.451	ng	97
37) 2-Methylnaphthalene	12.445	142	20820	4.271	ng	92
38) 1-Methylnaphthalene	12.445	142	20820	4.549	ng	94
40) 1,2,4,5-Tetrachloroben...	12.810	216	14091	4.882	ng	98
41) Hexachlorocyclopentadiene	12.780	237	7052	4.297	ng	99
43) 2,4,6-Trichlorophenol	13.051	196	7838	4.296	ng	96

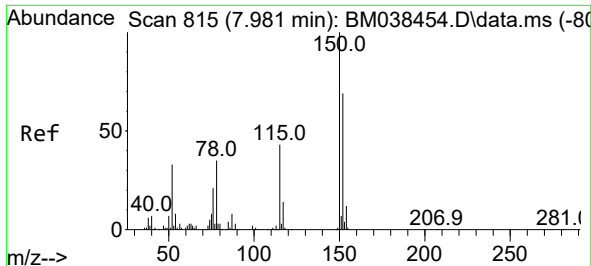
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.127	196	8770	4.077	ng	94
46) 1,1'-Biphenyl	13.445	154	30163	5.042	ng	99
47) 2-Chloronaphthalene	13.492	162	22514	4.781	ng	96
48) 2-Nitroaniline	13.704	65	6806	5.728	ng	85
49) Acenaphthylene	14.333	152	33033	4.449	ng	97
50) Dimethylphthalate	14.069	163	28329	4.533	ng	98
51) 2,6-Dinitrotoluene	14.198	165	5062	3.981	ng	# 84
52) Acenaphthene	14.674	154	20449	4.532	ng	95
53) 3-Nitroaniline	14.533	138	4326	5.570	ng	82
54) 2,4-Dinitrophenol	14.739	184	2494	7.707	ng	# 85
55) Dibenzofuran	15.010	168	35376	4.605	ng	98
56) 4-Nitrophenol	14.839	139	3115	6.502	ng	92
57) 2,4-Dinitrotoluene	14.980	165	6506	3.681	ng	# 93
58) Fluorene	15.657	166	27479	4.281	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.233	232	7575	3.972	ng	# 96
60) Diethylphthalate	15.421	149	29049	4.531	ng	99
61) 4-Chlorophenyl-phenyle...	15.645	204	15383	4.366	ng	97
62) 4-Nitroaniline	15.686	138	4274	5.628	ng	# 74
63) Azobenzene	15.939	77	31522	4.468	ng	97
65) 4,6-Dinitro-2-methylph...	15.739	198	3695	3.036	ng	86
66) n-Nitrosodiphenylamine	15.863	169	22139	4.207	ng	95
67) 4-Bromophenyl-phenylether	16.539	248	9460	4.559	ng	94
68) Hexachlorobenzene	16.657	284	10863	4.676	ng	95
69) Atrazine	16.810	200	8926	4.796	ng	94
70) Pentachlorophenol	17.004	266	5759	3.395	ng	94
71) Phenanthrene	17.392	178	44805	4.515	ng	97
72) Anthracene	17.486	178	44636	4.377	ng	99
73) Carbazole	17.762	167	38271	4.291	ng	98
74) Di-n-butylphthalate	18.309	149	50385	4.757	ng	99
75) Fluoranthene	19.404	202	54780	4.391	ng	98
77) Benzidine	19.598	184	19473	4.287	ng	99
78) Pyrene	19.768	202	59062	4.281	ng	98
80) Butylbenzylphthalate	20.656	149	22654	4.493	ng	97
81) Benzo(a)anthracene	21.509	228	68172	4.573	ng	95
82) 3,3'-Dichlorobenzidine	21.445	252	24466	5.096	ng	95
83) Chrysene	21.562	228	66174	4.568	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	32210	4.444	ng	93
85) Di-n-octyl phthalate	22.350	149	59963	4.702	ng	96
87) Indeno(1,2,3-cd)pyrene	26.462	276	85525	4.430	ng	99
88) Benzo(b)fluoranthene	23.203	252	74958	4.634	ng	96
89) Benzo(k)fluoranthene	23.256	252	72492	4.334	ng	98
90) Benzo(a)pyrene	23.844	252	66295	4.177	ng	97
91) Dibenzo(a,h)anthracene	26.480	278	73561	4.541	ng	97
92) Benzo(g,h,i)perylene	27.244	276	76607	4.767	ng	94

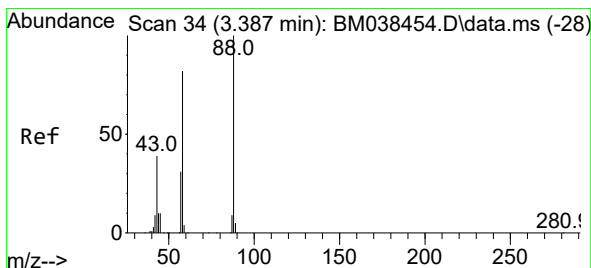
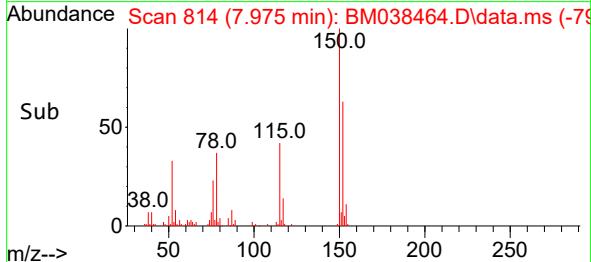
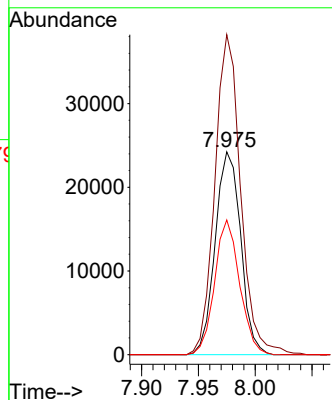
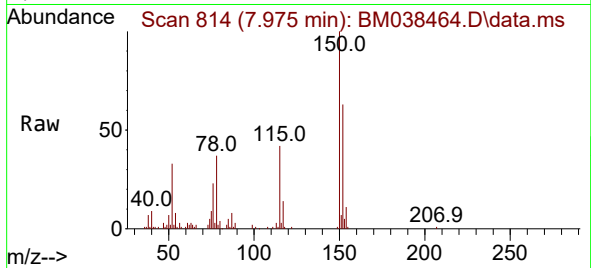
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

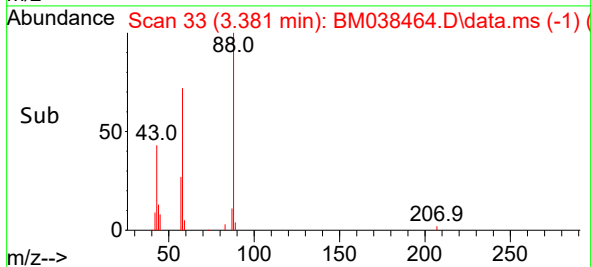
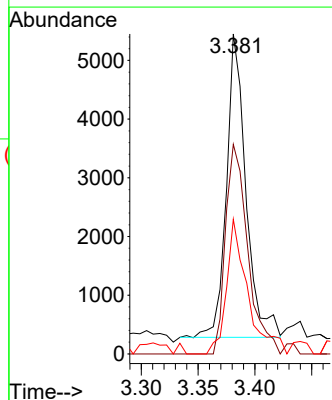
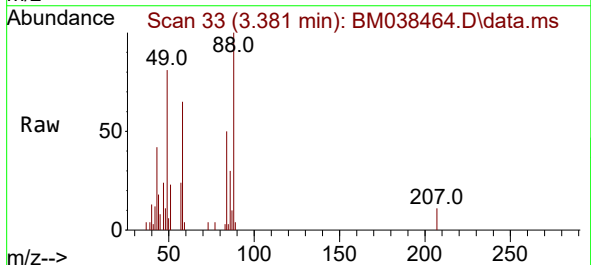
Instrument :
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LOD-MDL-SOIL-01-QT3-2022

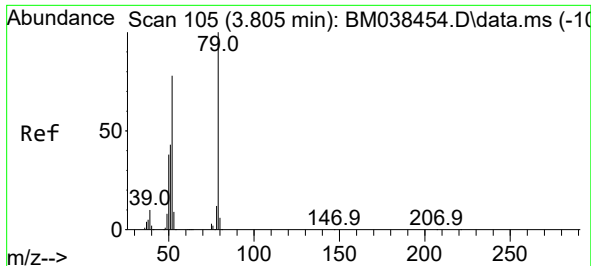
Tgt Ion:152 Resp: 37876
Ion Ratio Lower Upper
152 100
150 157.7 116.0 174.0
115 66.4 49.4 74.2



#2
1,4-Dioxane
Concen: 5.422 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 88 Resp: 6153
Ion Ratio Lower Upper
88 100
58 78.9 64.3 96.5
43 48.3 32.3 48.5

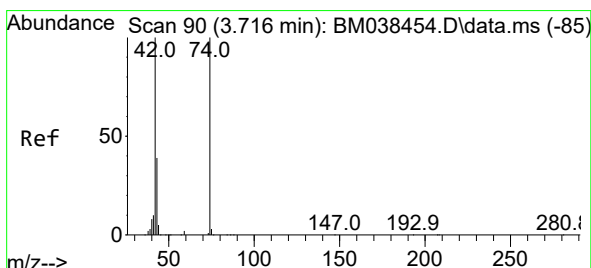
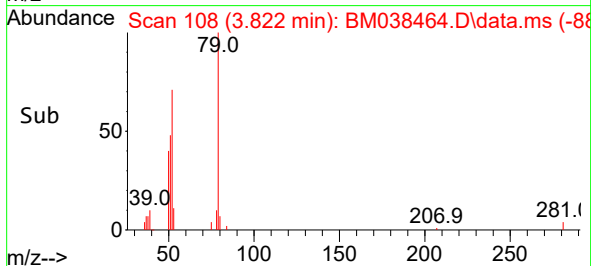
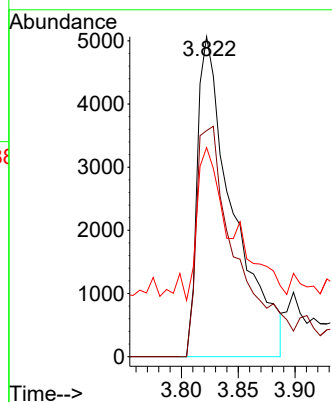
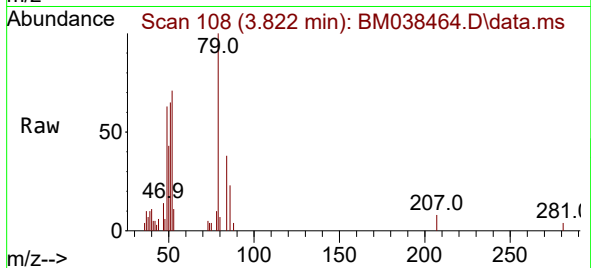




#3
Pyridine
Concen: 3.361 ng
RT: 3.822 min Scan# 108
Delta R.T. 0.018 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

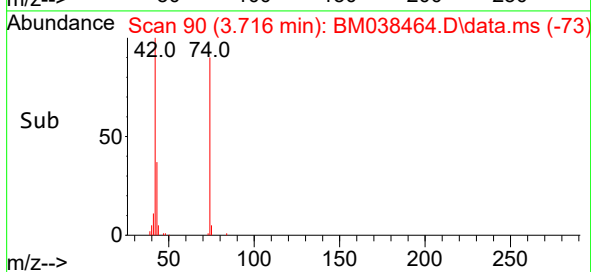
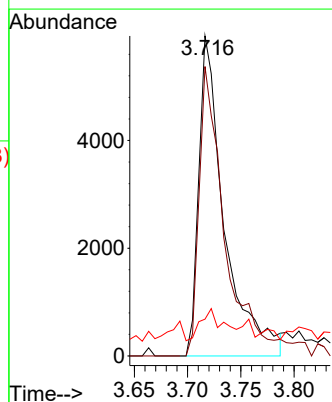
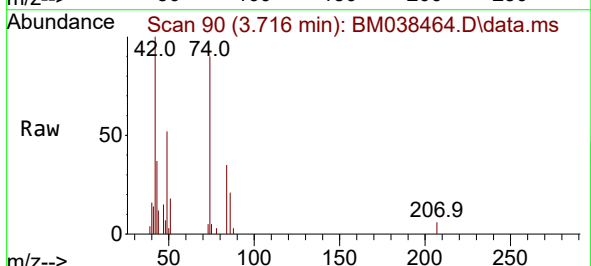
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

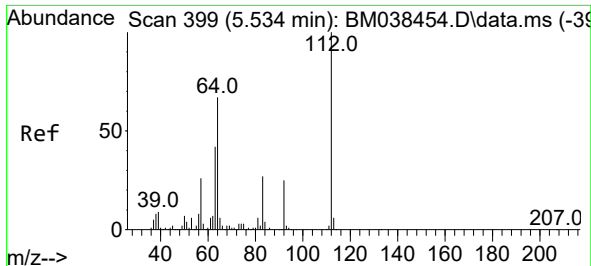
Tgt Ion: 79 Resp: 11034
Ion Ratio Lower Upper
79 100
52 70.6 62.2 93.2
51 65.4 34.8 52.2#



#4
n-Nitrosodimethylamine
Concen: 5.108 ng
RT: 3.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 42 Resp: 9921
Ion Ratio Lower Upper
42 100
74 90.4 79.7 119.5
44 11.5 4.7 7.1#

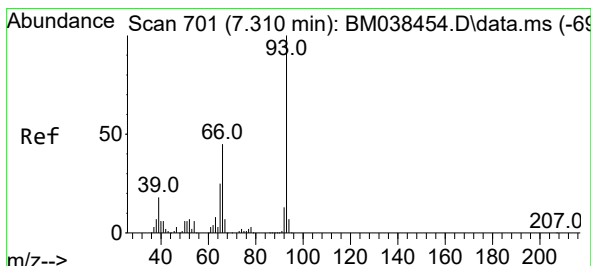
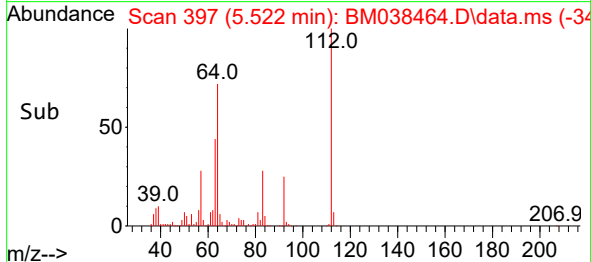
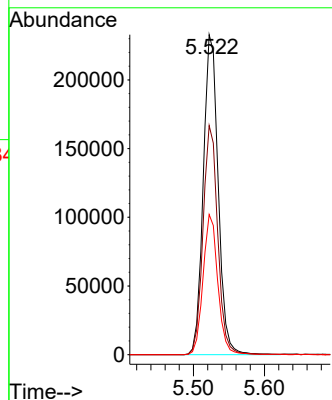
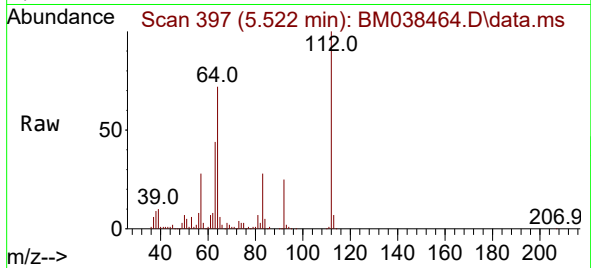




#5
2-Fluorophenol
Concen: 137.364 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

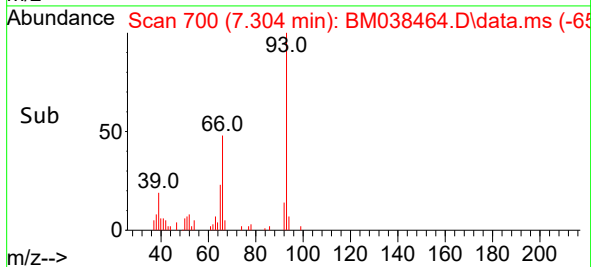
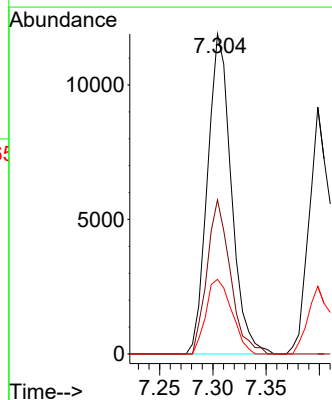
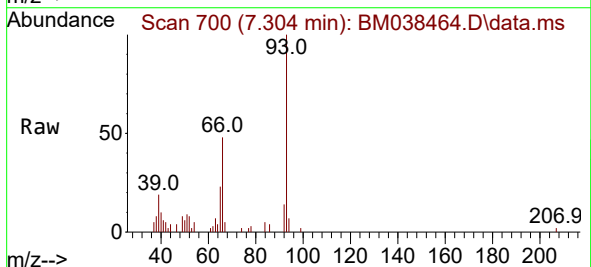
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ClientSampleId :
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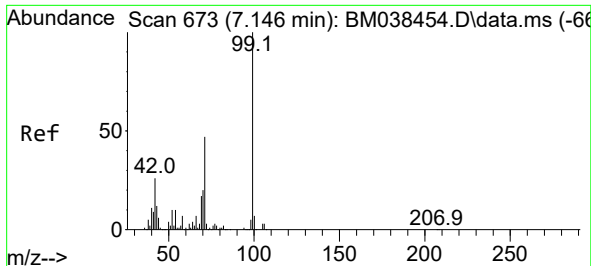
Tgt Ion:112 Resp: 341079
Ion Ratio Lower Upper
112 100
64 71.6 53.7 80.5
63 43.8 33.7 50.5



#6
Aniline
Concen: 4.604 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 93 Resp: 18498
Ion Ratio Lower Upper
93 100
66 48.1 36.2 54.2
65 23.3 19.8 29.8

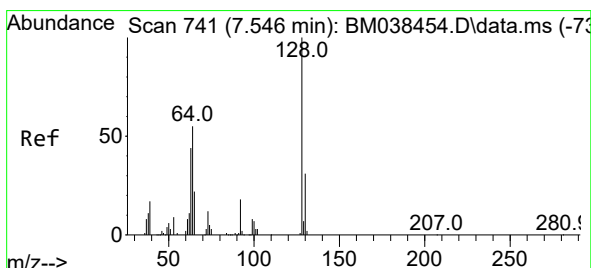
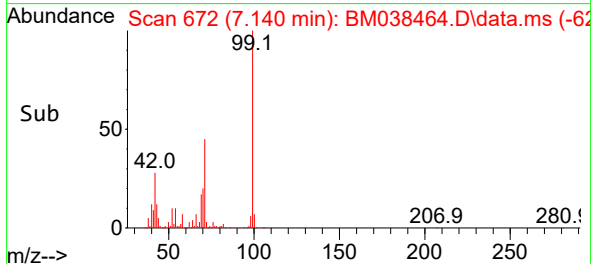
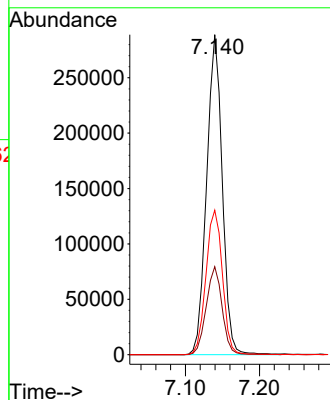
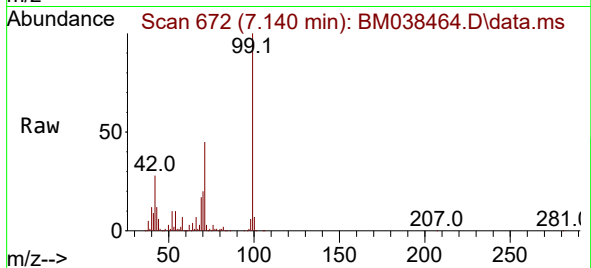




#7
Phenol-d6
Concen: 133.137 ng
RT: 7.140 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

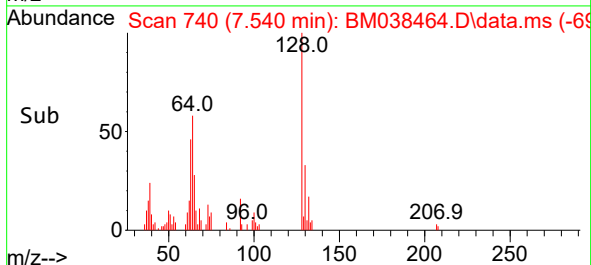
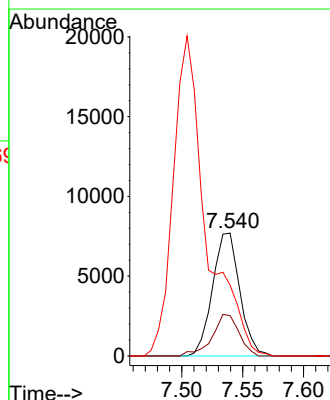
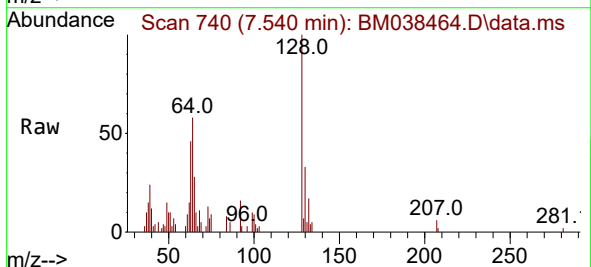
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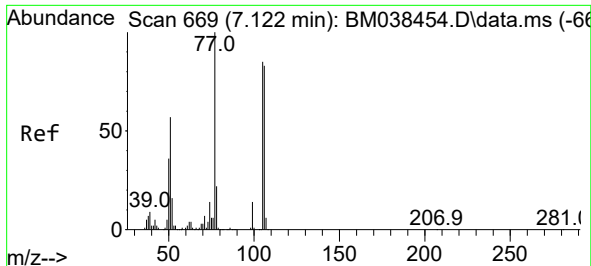
Tgt Ion: 99 Resp: 423470
Ion Ratio Lower Upper
99 100
42 27.5 20.8 31.2
71 45.1 37.8 56.8



#8
2-Chlorophenol
Concen: 4.881 ng
RT: 7.540 min Scan# 740
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 128 Resp: 11999
Ion Ratio Lower Upper
128 100
130 32.8 11.5 51.5
64 57.5 38.0 78.0

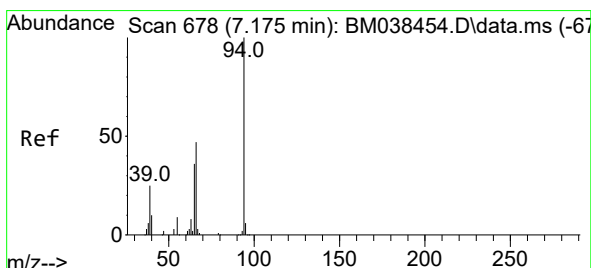
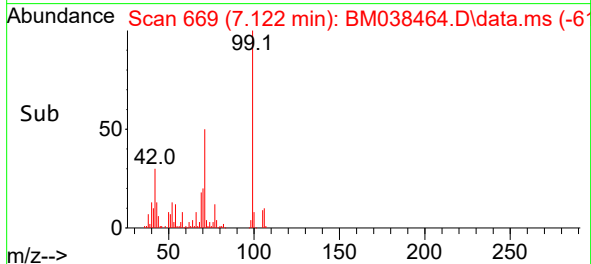
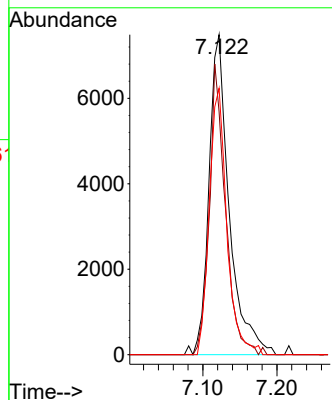
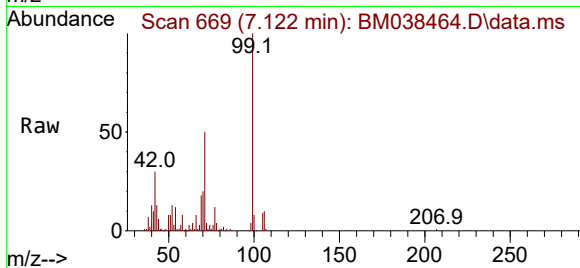




#9
Benzaldehyde
Concen: 6.692 ng
RT: 7.122 min Scan# 669
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

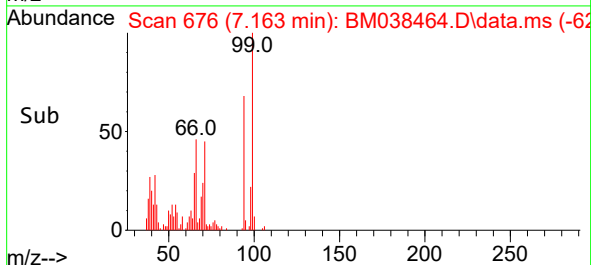
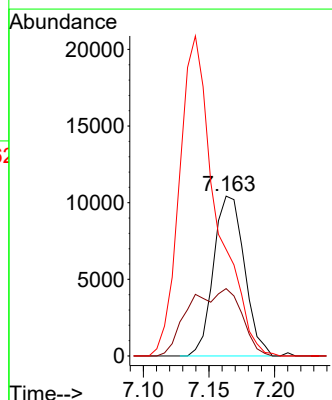
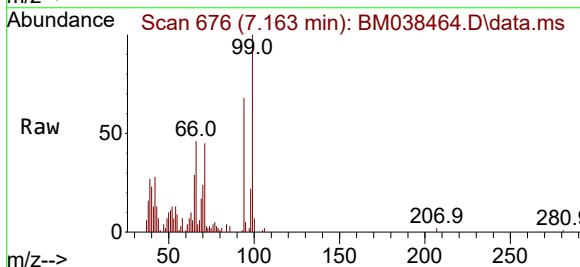
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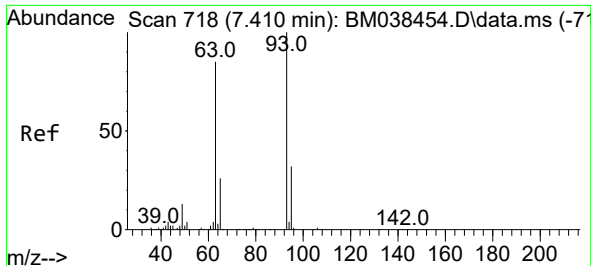
Tgt Ion: 77	Resp: 14234
Ion Ratio	Lower Upper
77 100	
105 75.9	65.3 105.3
106 83.3	62.5 102.5



#10
Phenol
Concen: 5.153 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 94	Resp: 17080
Ion Ratio	Lower Upper
94 100	
65 42.2	16.3 56.3
66 66.7	29.2 69.2

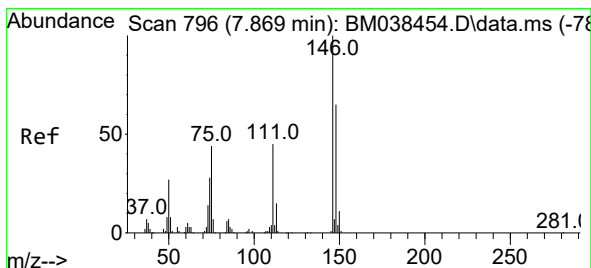
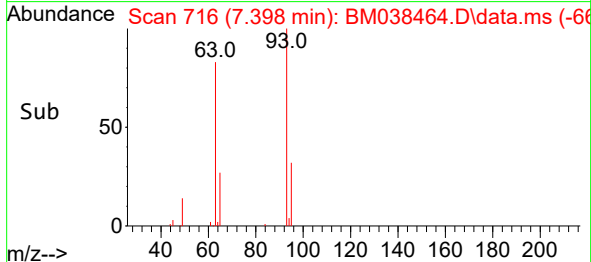
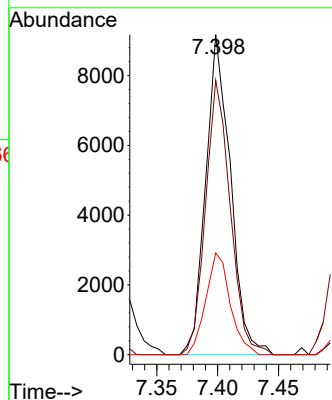
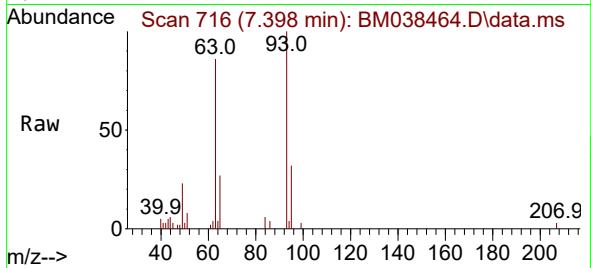




#11
bis(2-Chloroethyl)ether
Concen: 4.833 ng
RT: 7.398 min Scan# 716
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

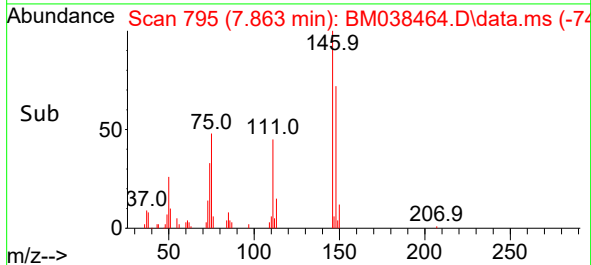
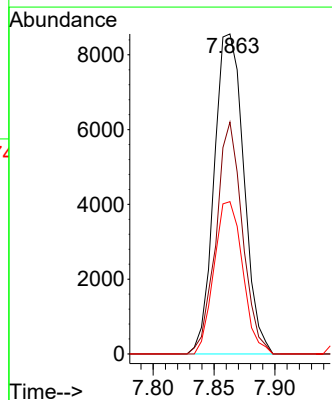
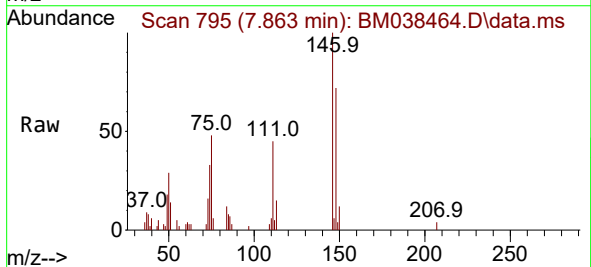
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

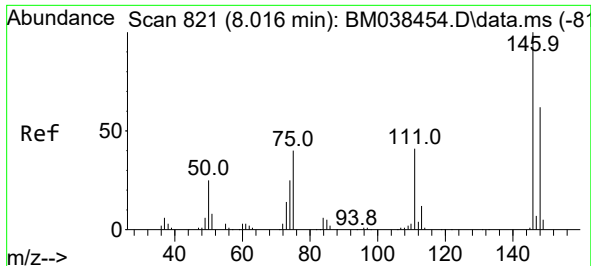
Tgt Ion: 93 Resp: 12981
Ion Ratio Lower Upper
93 100
63 85.7 64.6 104.6
95 31.8 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 5.503 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 146 Resp: 14493
Ion Ratio Lower Upper
146 100
148 72.4 51.8 77.8
75 47.6 35.1 52.7

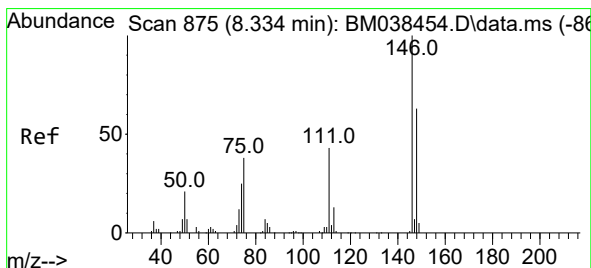
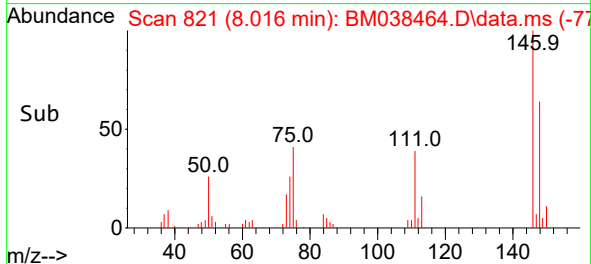
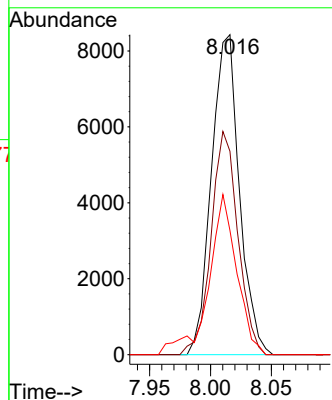
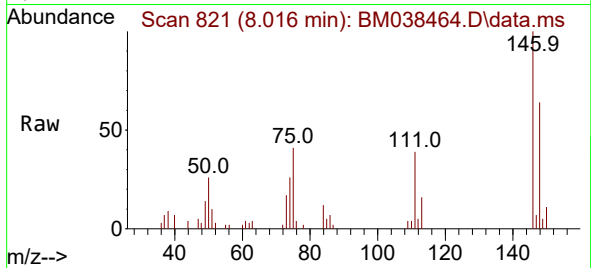




#13
1,4-Dichlorobenzene
Concen: 5.085 ng
RT: 8.016 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

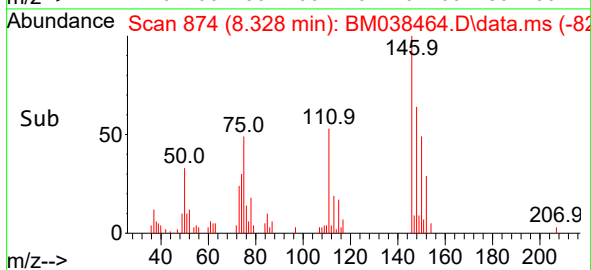
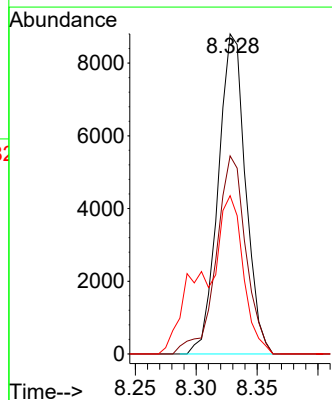
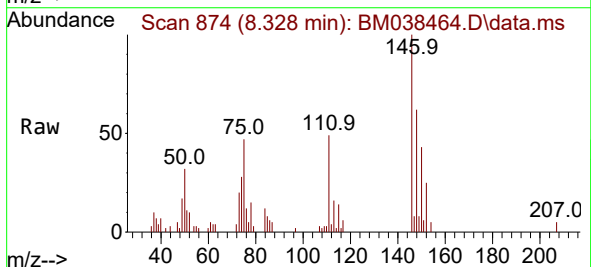
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

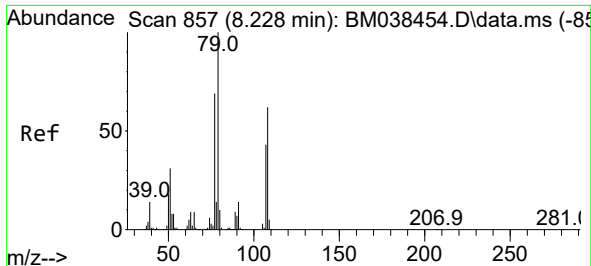
Tgt Ion:146 Resp: 13474
Ion Ratio Lower Upper
146 100
148 63.6 50.1 75.1
111 38.8 32.8 49.2



#14
1,2-Dichlorobenzene
Concen: 5.306 ng
RT: 8.328 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:146 Resp: 13746
Ion Ratio Lower Upper
146 100
148 61.9 50.7 76.1
111 49.4 35.2 52.8

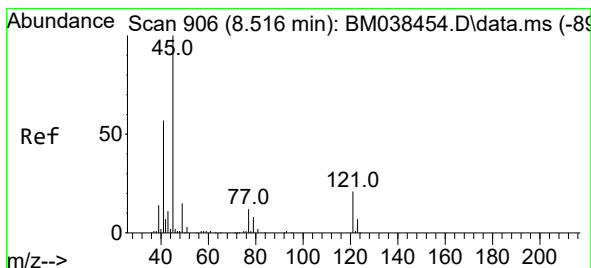
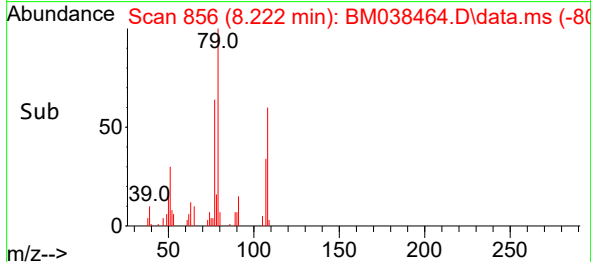
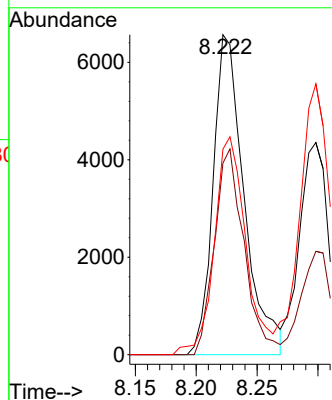
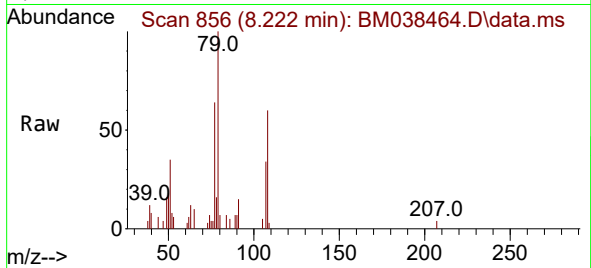




#15
Benzyl Alcohol
Concen: 4.557 ng
RT: 8.222 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

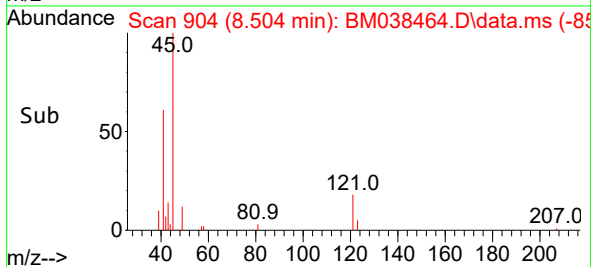
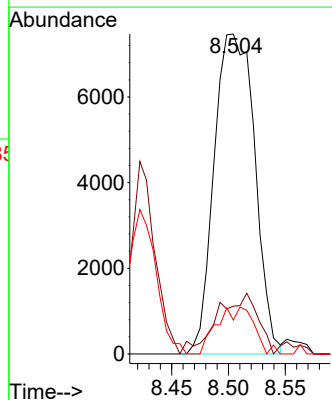
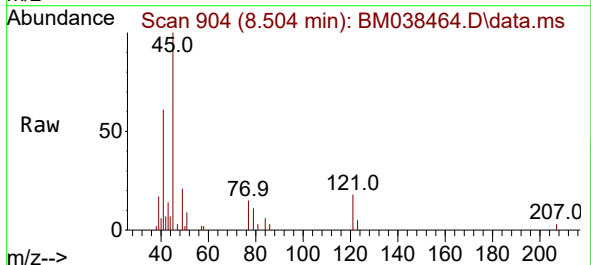
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

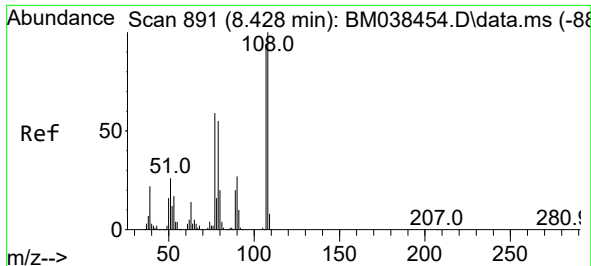
Tgt Ion: 79 Resp: 11610
Ion Ratio Lower Upper
79 100
108 59.9 49.3 73.9
77 64.2 55.1 82.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.947 ng
RT: 8.504 min Scan# 904
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 45 Resp: 18527
Ion Ratio Lower Upper
45 100
77 15.0 0.0 34.7
79 10.6 0.0 30.4

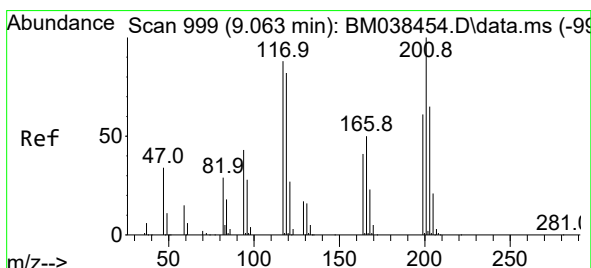
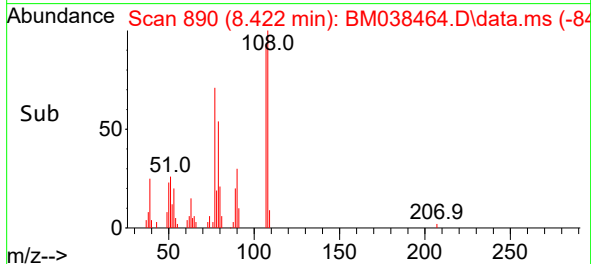
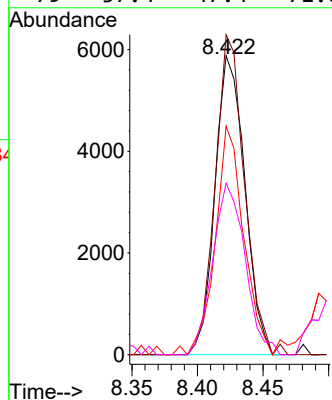
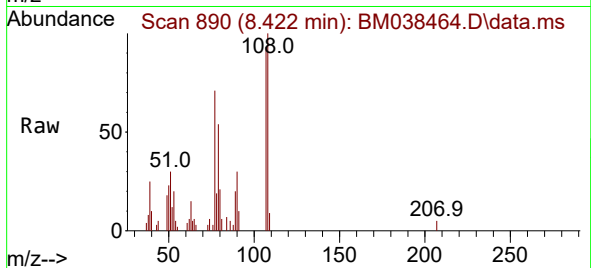




#17
2-Methylphenol
Concen: 4.159 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

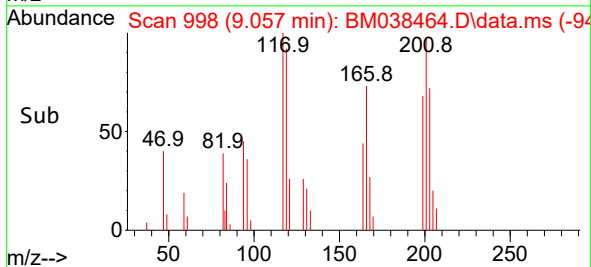
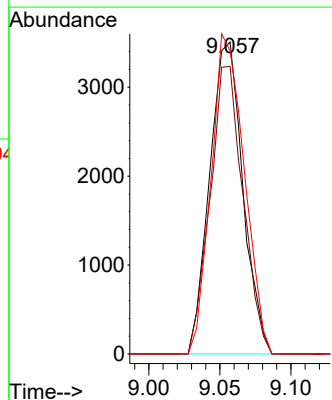
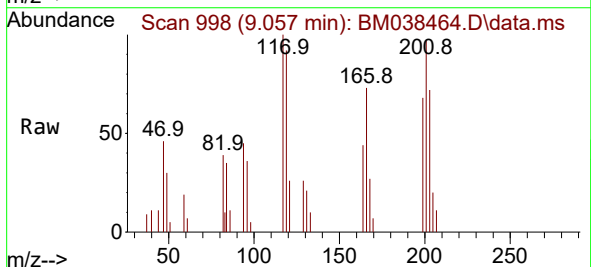
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

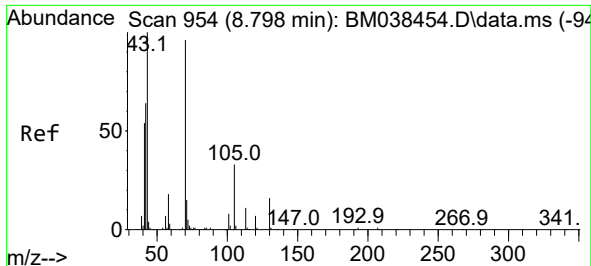
Tgt Ion:	107	Resp:	9310
Ion	Ratio	Lower	Upper
107	100		
108	107.0	85.7	128.5
77	76.4	50.5	75.7#
79	57.4	47.4	71.0



#18
Hexachloroethane
Concen: 5.246 ng
RT: 9.057 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:	117	Resp:	5693
Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.5	111.7
201	97.2	91.3	136.9





#19

n-Nitroso-di-n-propylamine

Concen: 4.639 ng

RT: 8.787 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM038464.D

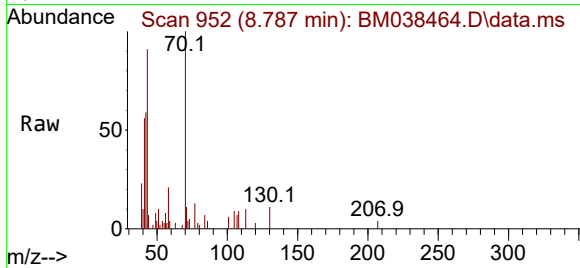
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 70 Resp: 10711

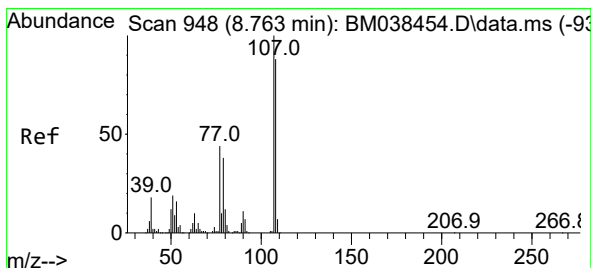
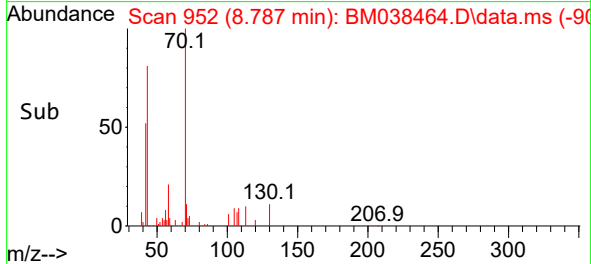
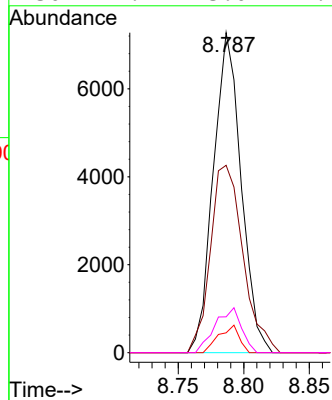
Ion Ratio Lower Upper

70 100

42 58.5 54.2 81.2

101 6.2 6.6 10.0#

130 11.2 13.0 19.4#



#20

3+4-Methylphenols

Concen: 3.988 ng

RT: 8.751 min Scan# 946

Delta R.T. -0.012 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion: 107 Resp: 11987

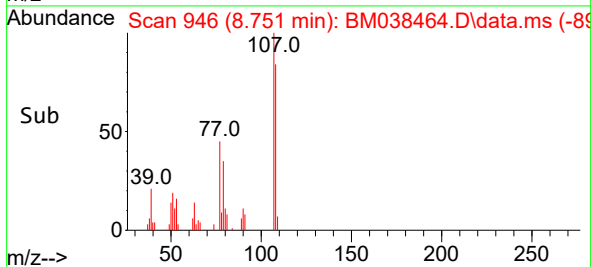
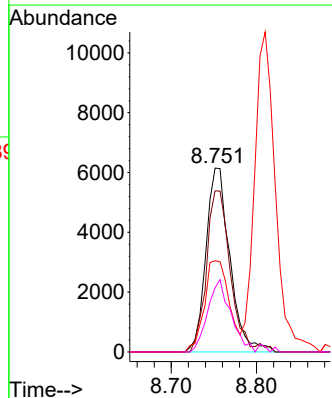
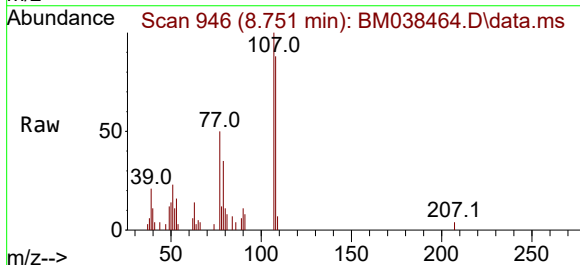
Ion Ratio Lower Upper

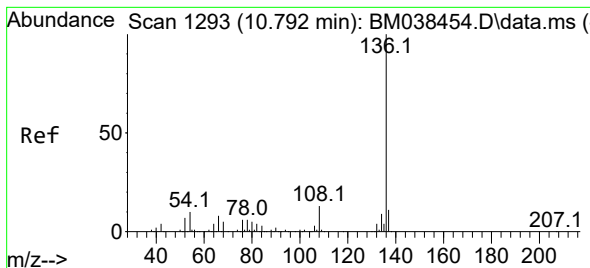
107 100

108 87.6 67.6 107.6

77 49.6 24.1 64.1

79 34.9 17.8 57.8

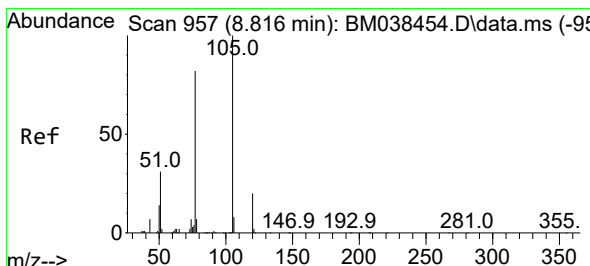
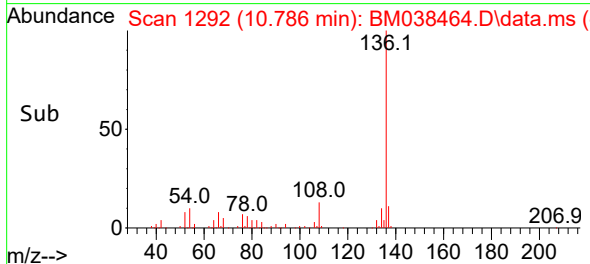
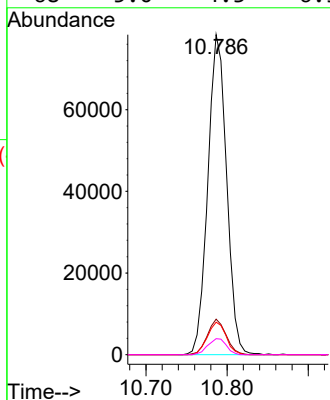
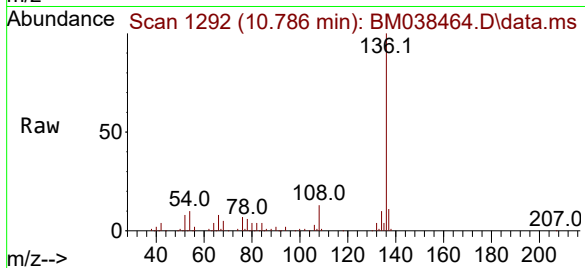




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

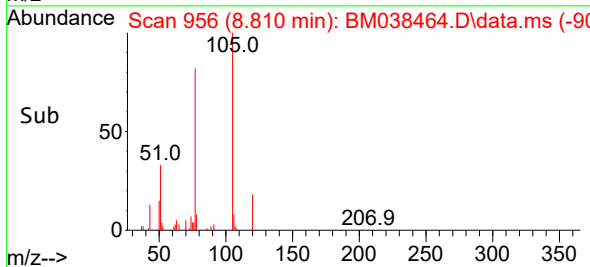
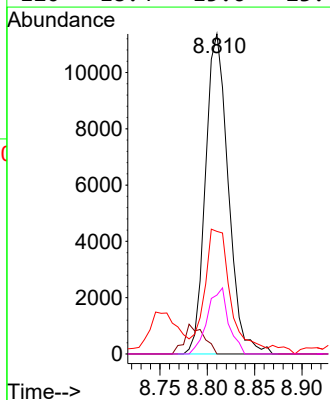
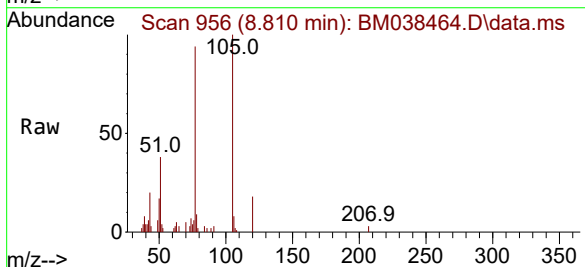
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

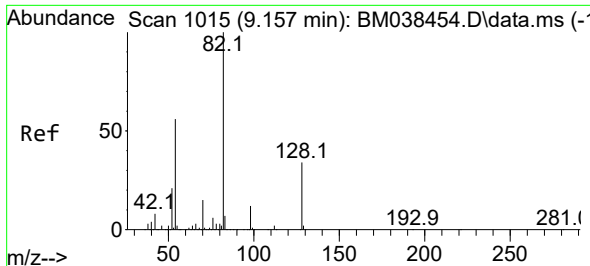
Tgt Ion:	136	Resp:	125806
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	10.2	7.6	11.4
68	5.0	4.3	6.5



#22
Acetophenone
Concen: 5.101 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:	105	Resp:	18968
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.0	1.6#
51	38.3	27.4	41.2
120	18.4	15.6	23.4

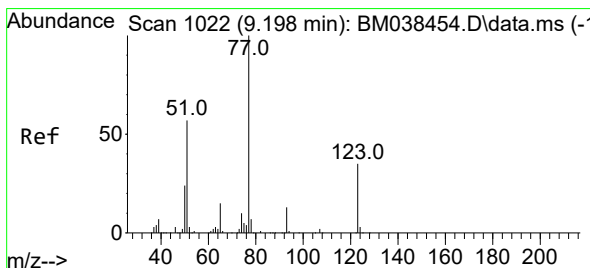
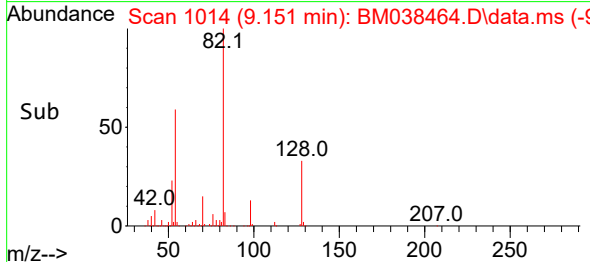
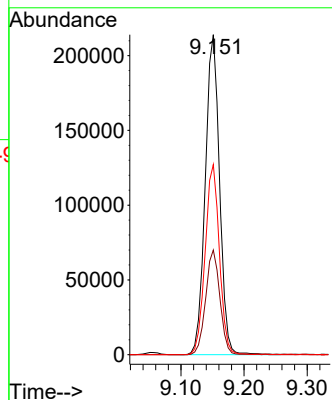
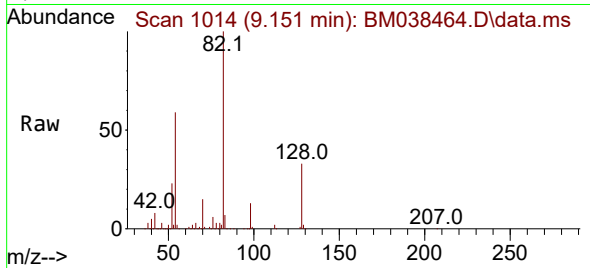




#23
Nitrobenzene-d5
Concen: 109.088 ng
RT: 9.151 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

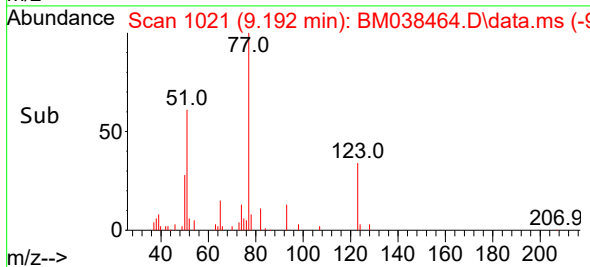
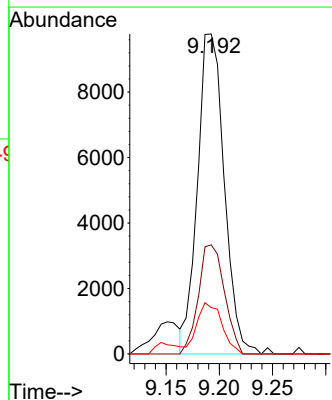
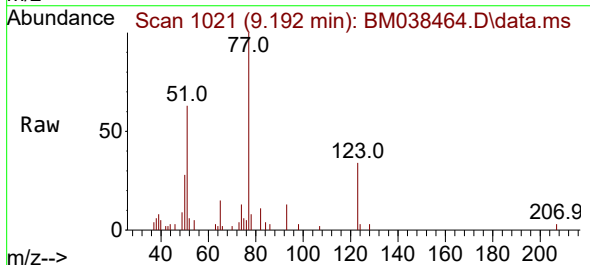
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

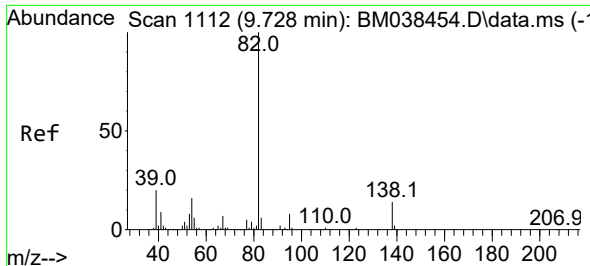
Tgt Ion: 82 Resp: 336824
Ion Ratio Lower Upper
82 100
128 32.7 27.0 40.6
54 59.4 45.0 67.6



#24
Nitrobenzene
Concen: 5.254 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 77 Resp: 17139
Ion Ratio Lower Upper
77 100
123 34.1 28.2 42.4
65 14.5 12.1 18.1

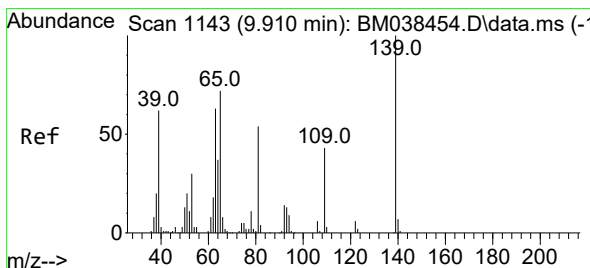
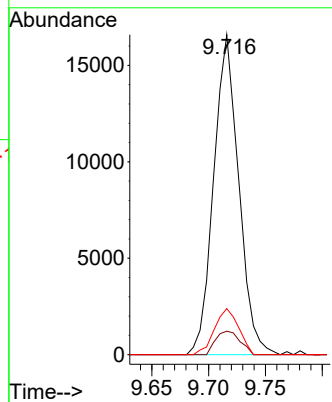
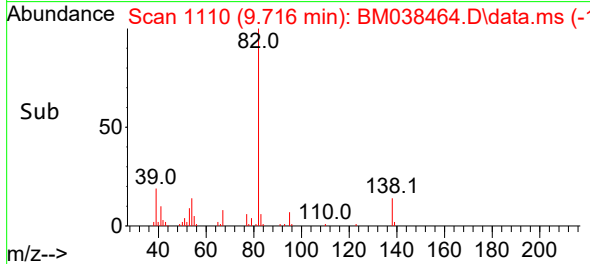
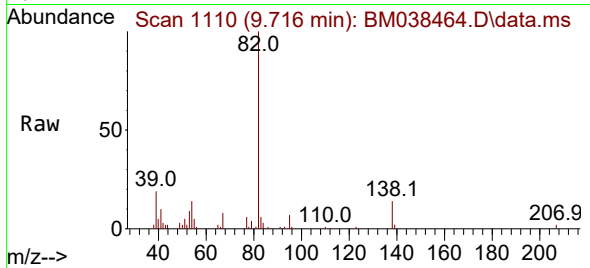




#25
Isophorone
Concen: 4.657 ng
RT: 9.716 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

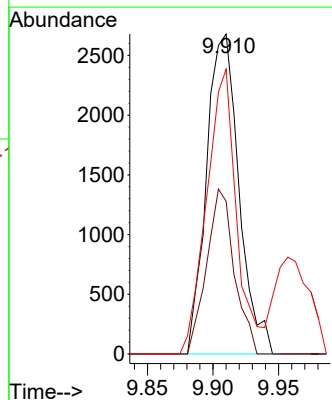
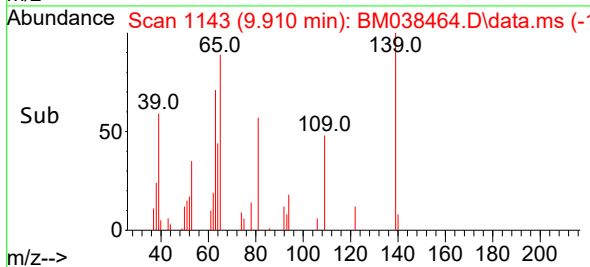
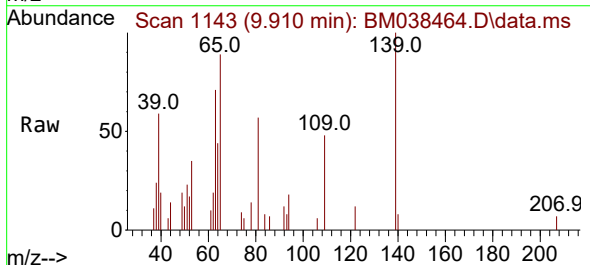
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

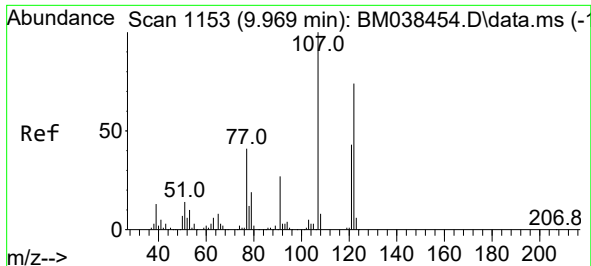
Tgt Ion: 82 Resp: 25470
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 14.4 11.5 17.3



#26
2-Nitrophenol
Concen: 4.034 ng
RT: 9.910 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 139 Resp: 4620
Ion Ratio Lower Upper
139 100
109 47.7 34.7 52.1
65 89.0 57.4 86.0#

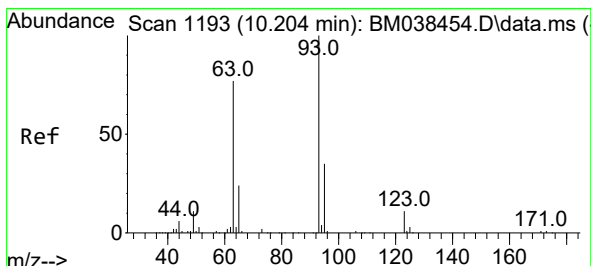
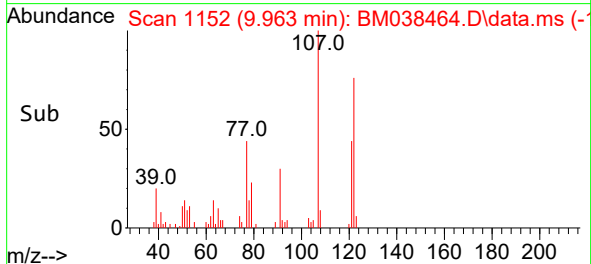
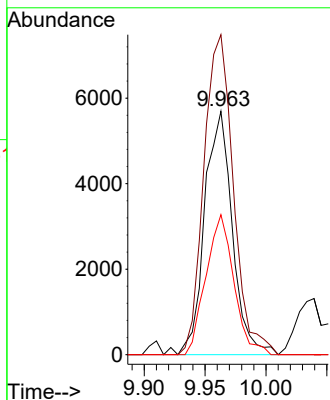
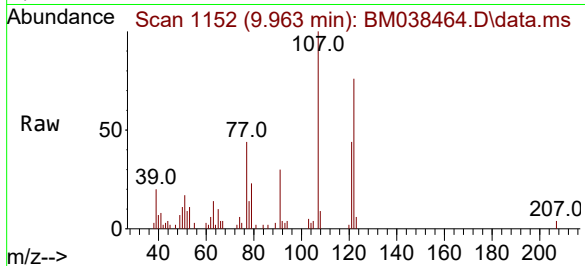




#27
2,4-Dimethylphenol
Concen: 4.607 ng
RT: 9.963 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

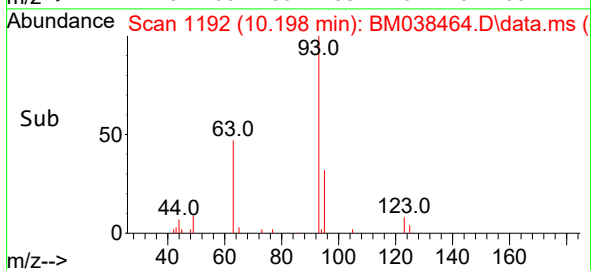
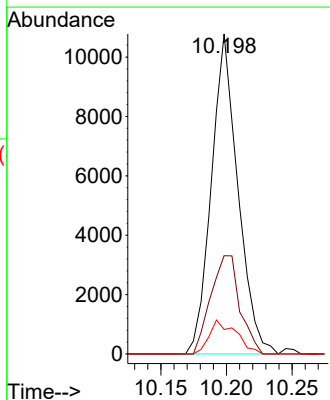
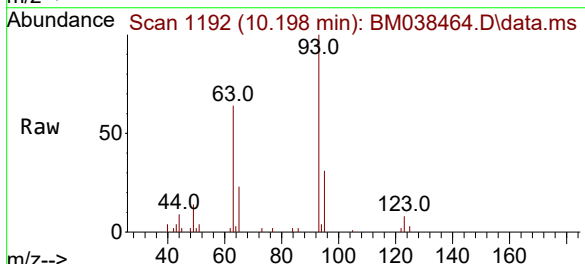
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

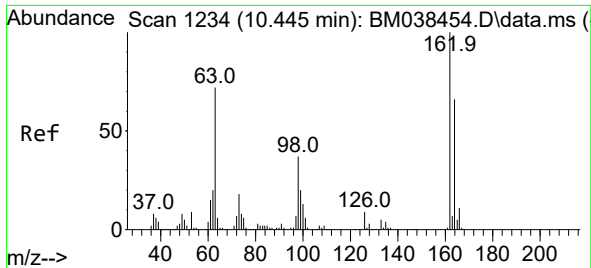
Tgt Ion:122 Resp: 8986
Ion Ratio Lower Upper
122 100
107 131.5 107.4 161.0
121 57.5 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 4.924 ng
RT: 10.198 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 93 Resp: 15145
Ion Ratio Lower Upper
93 100
95 30.7 27.7 41.5
123 7.7 8.6 13.0#





#29

2,4-Dichlorophenol

Concen: 4.294 ng

RT: 10.439 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

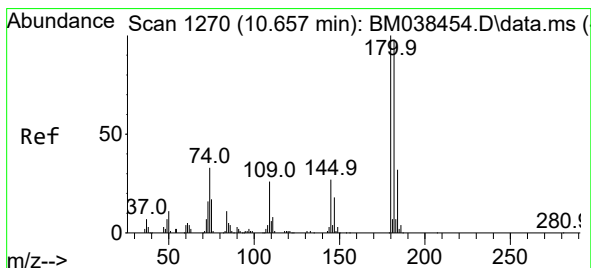
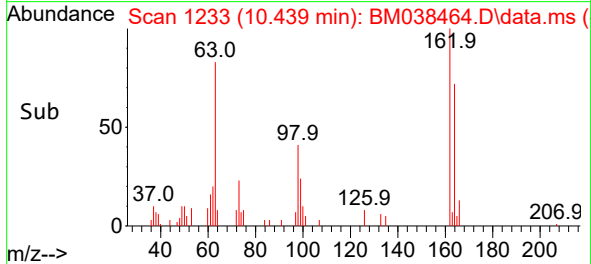
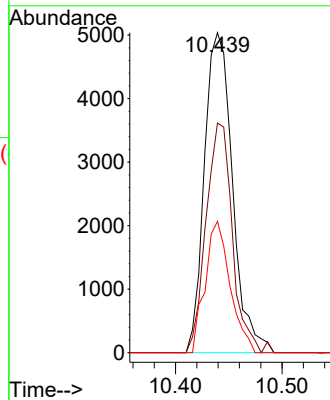
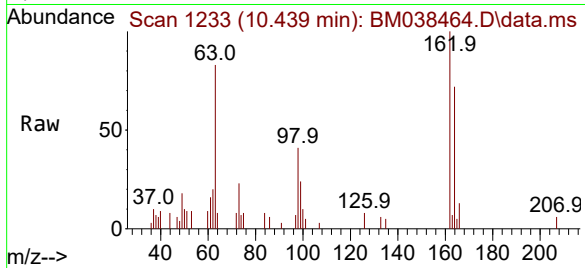
Tgt Ion:162 Resp: 9251

Ion Ratio Lower Upper

162 100

164 71.7 46.5 86.5

98 41.0 17.1 57.1



#30

1,2,4-Trichlorobenzene

Concen: 4.912 ng

RT: 10.651 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

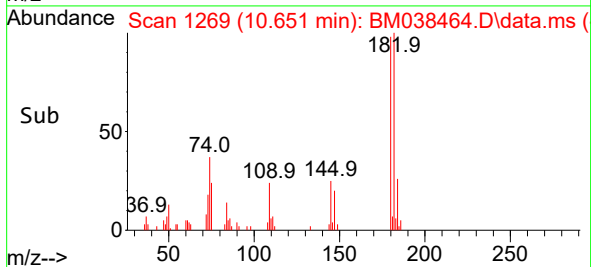
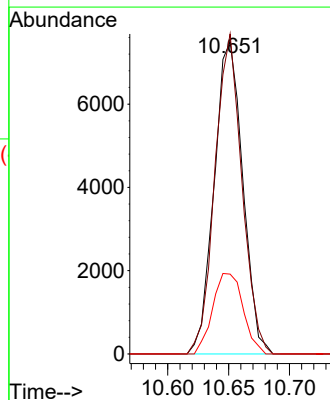
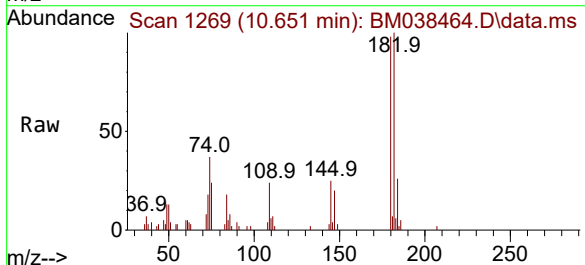
Tgt Ion:180 Resp: 12238

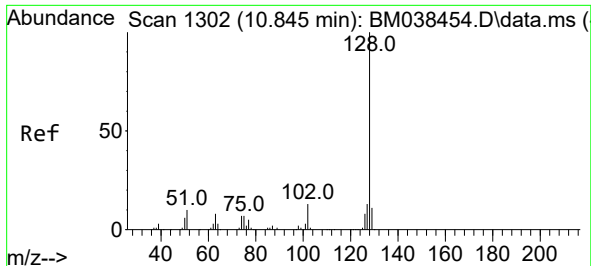
Ion Ratio Lower Upper

180 100

182 102.5 78.1 117.1

145 25.6 21.9 32.9

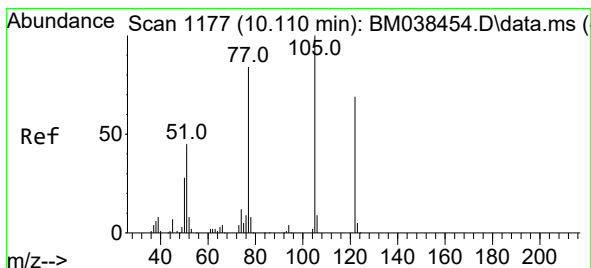
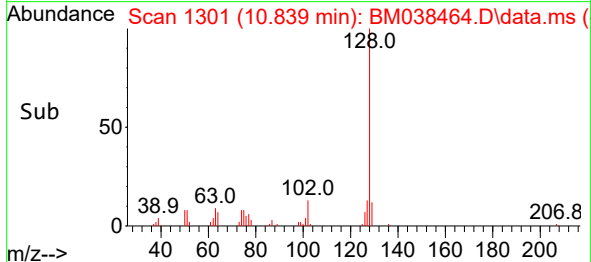
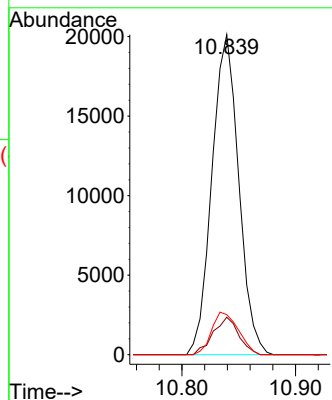
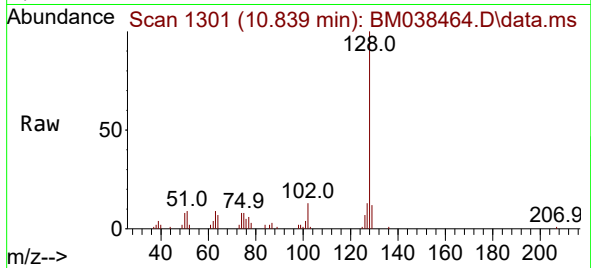




#31
Naphthalene
Concen: 4.941 ng
RT: 10.839 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

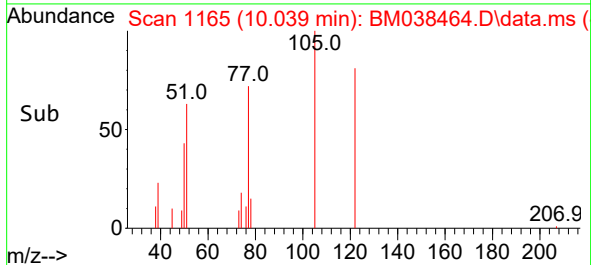
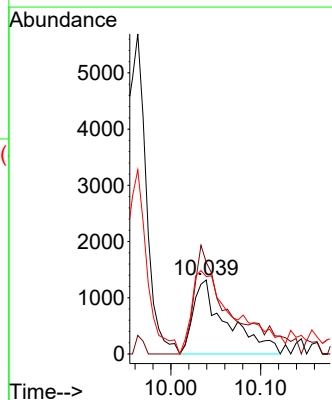
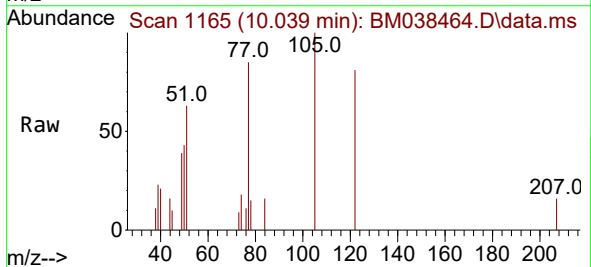
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

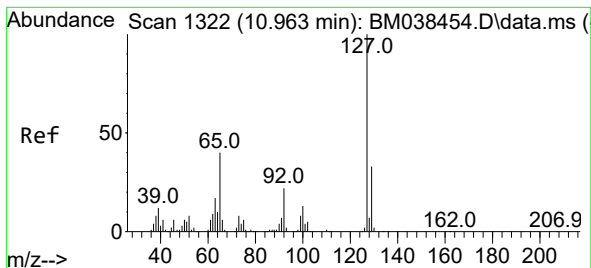
Tgt Ion:128 Resp: 32946
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 6.997 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:122 Resp: 3447
Ion Ratio Lower Upper
122 100
105 123.9 122.6 162.6
77 104.8 101.5 141.5

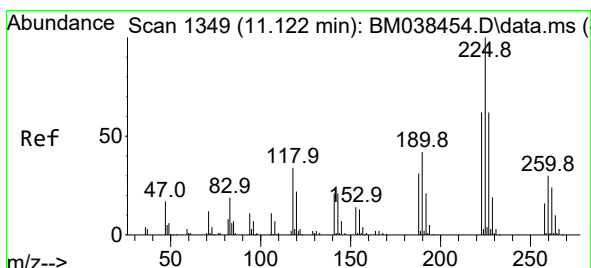
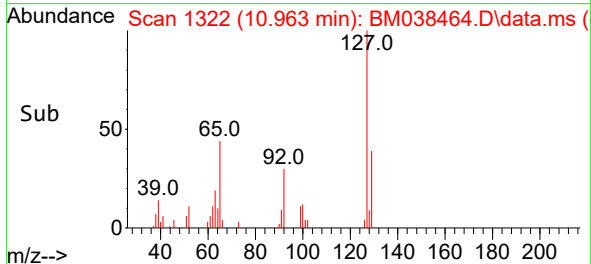
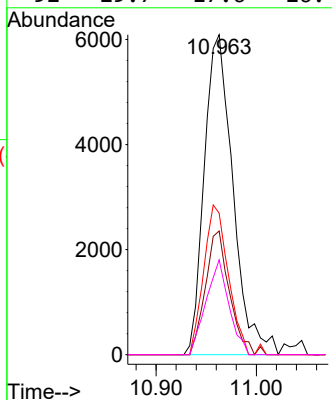
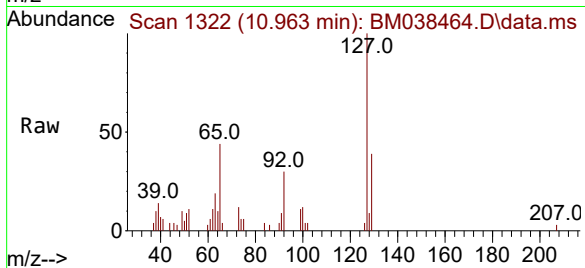




#33
4-Chloroaniline
Concen: 4.138 ng
RT: 10.963 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

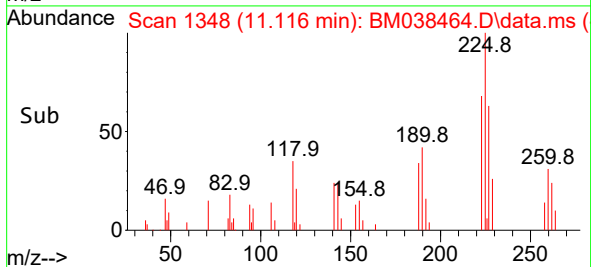
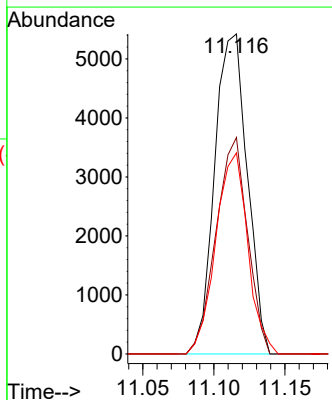
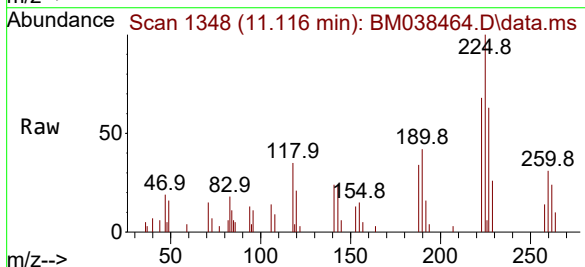
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

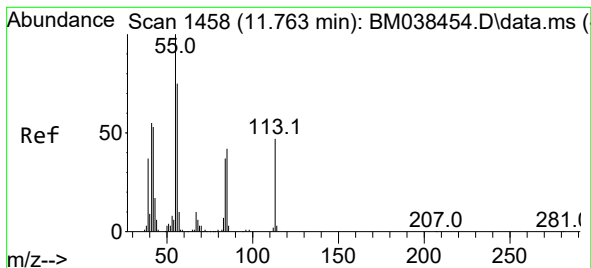
Tgt Ion:	127	Resp:	12110
Ion	Ratio	Lower	Upper
127	100		
129	38.6	26.4	39.6
65	44.2	32.1	48.1
92	29.7	17.6	26.4



#34
Hexachlorobutadiene
Concen: 4.957 ng
RT: 11.116 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:	225	Resp:	8661
Ion	Ratio	Lower	Upper
225	100		
223	67.7	49.8	74.8
227	62.9	49.6	74.4

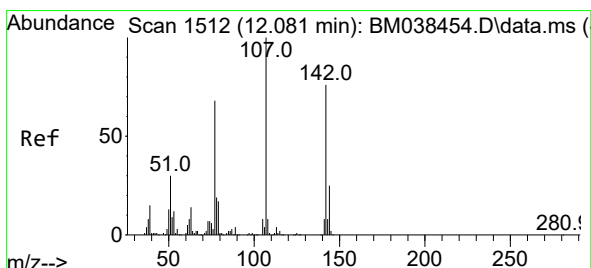
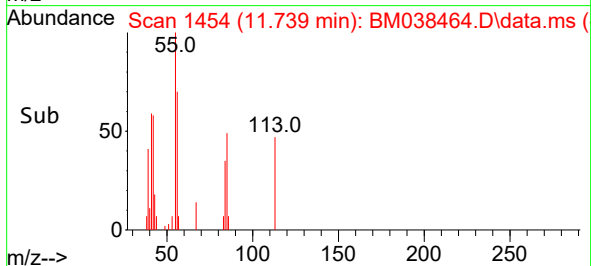
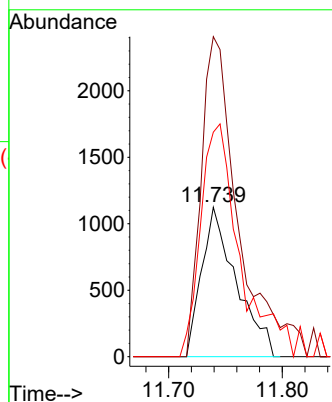
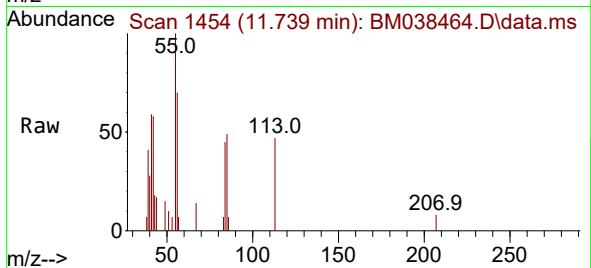




#35
Caprolactam
Concen: 3.910 ng
RT: 11.739 min Scan# 1454
Delta R.T. -0.024 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

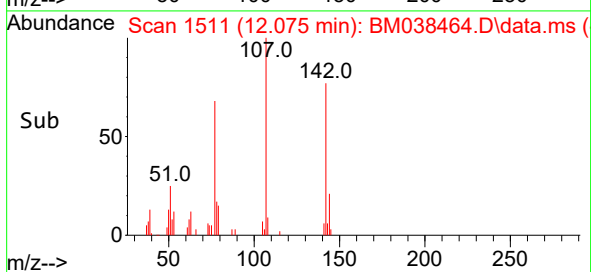
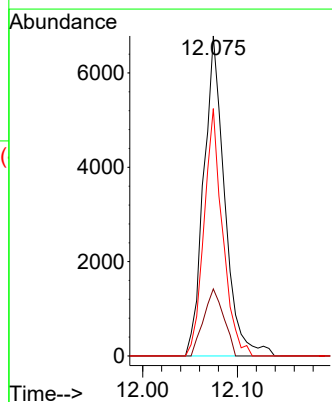
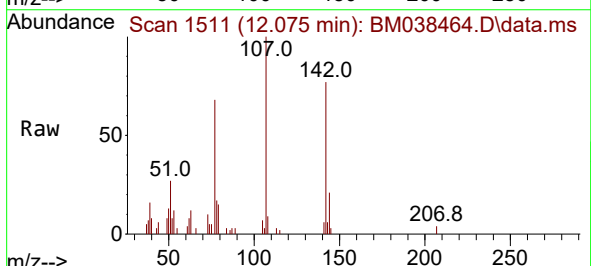
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

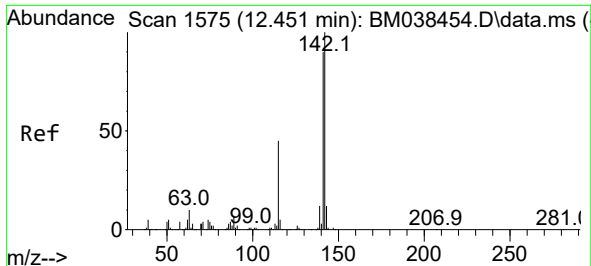
Tgt Ion:113 Resp: 2381
Ion Ratio Lower Upper
113 100
55 214.1 194.2 234.2
56 150.3 141.6 181.6



#36
4-Chloro-3-methylphenol
Concen: 4.451 ng
RT: 12.075 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:107 Resp: 10455
Ion Ratio Lower Upper
107 100
144 21.0 20.3 30.5
142 77.3 61.2 91.8

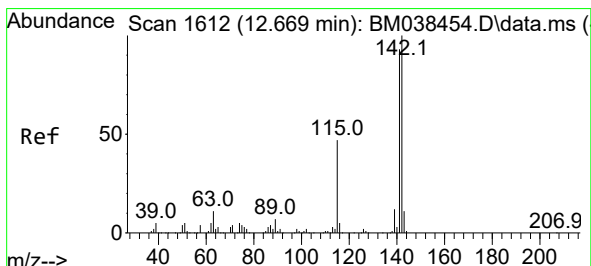
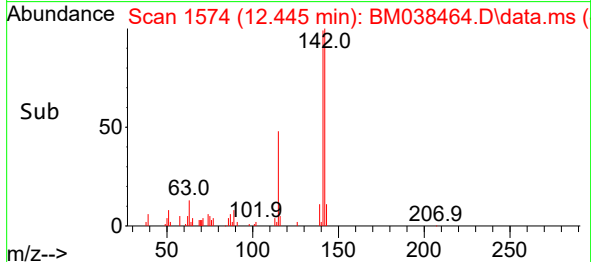
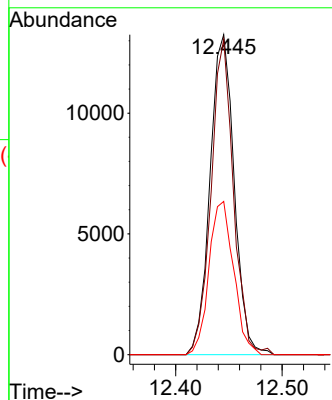
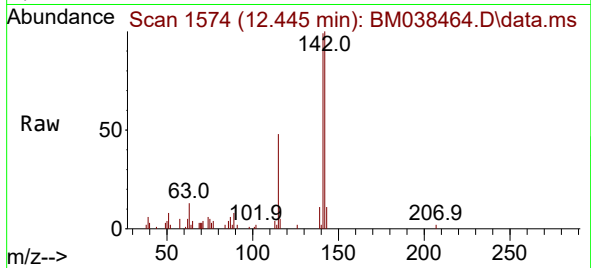




#37
2-Methylnaphthalene
Concen: 4.271 ng
RT: 12.445 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

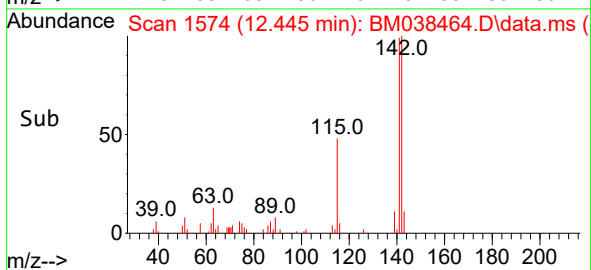
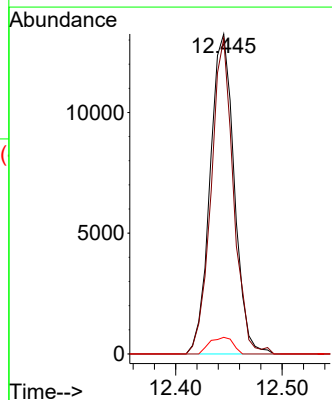
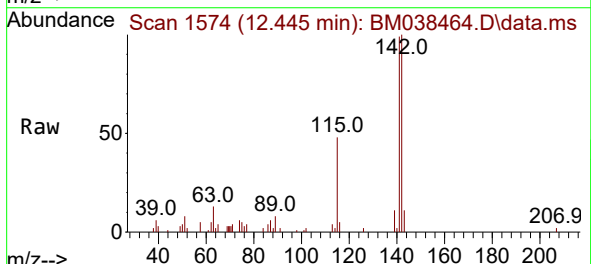
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

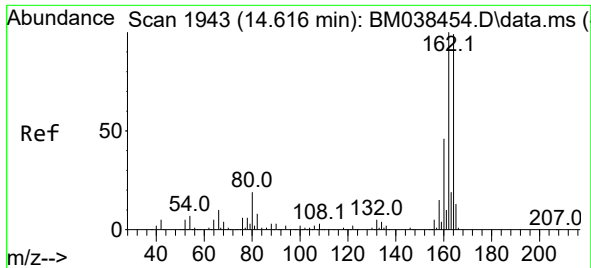
Tgt Ion:142 Resp: 20820
Ion Ratio Lower Upper
142 100
141 98.6 72.0 108.0
115 47.9 35.9 53.9



#38
1-Methylnaphthalene
Concen: 4.549 ng
RT: 12.445 min Scan# 1574
Delta R.T. -0.224 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:142 Resp: 20820
Ion Ratio Lower Upper
142 100
141 98.6 74.4 111.6
116 5.2 3.8 5.8

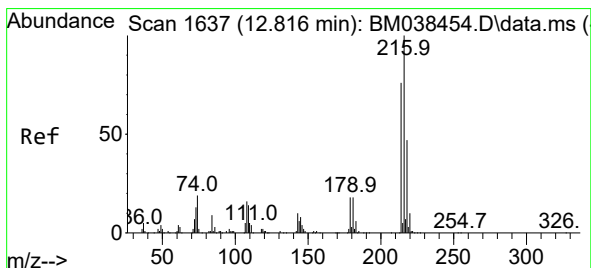
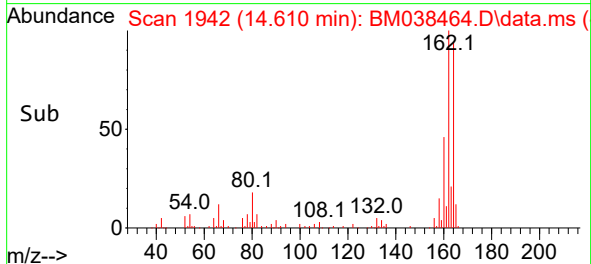
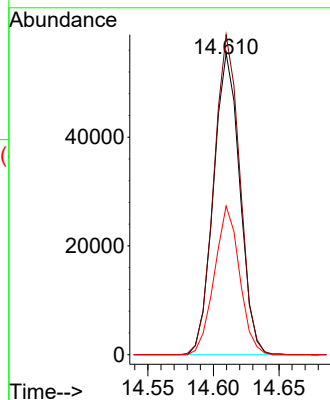
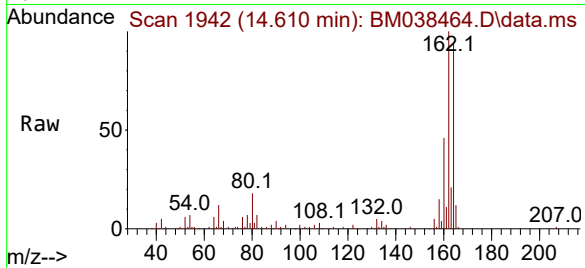




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

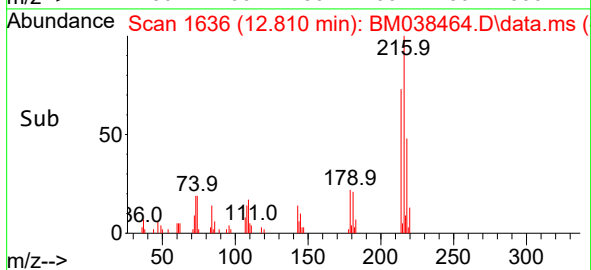
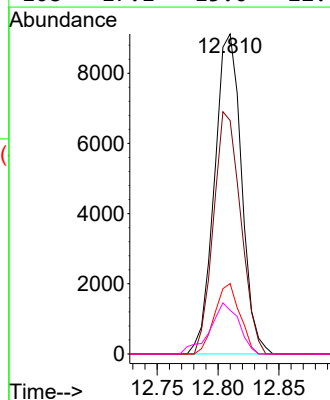
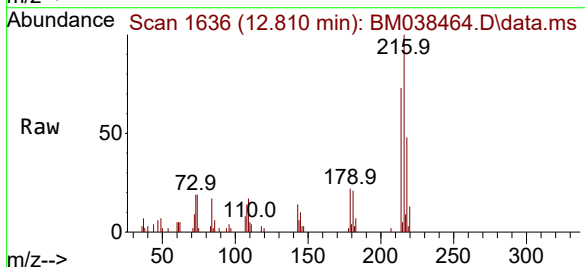
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

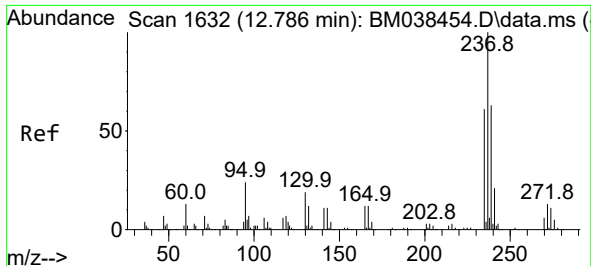
Tgt Ion:164 Resp: 77116
Ion Ratio Lower Upper
164 100
162 106.2 80.9 121.3
160 49.3 37.4 56.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.882 ng
RT: 12.810 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:216 Resp: 14091
Ion Ratio Lower Upper
216 100
214 76.0 61.4 92.0
179 20.4 15.3 22.9
108 17.1 15.0 22.6

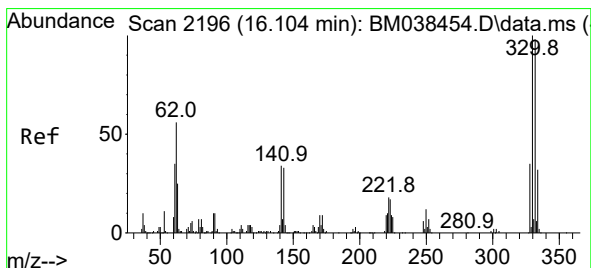
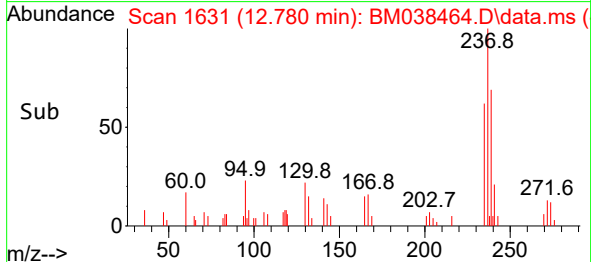
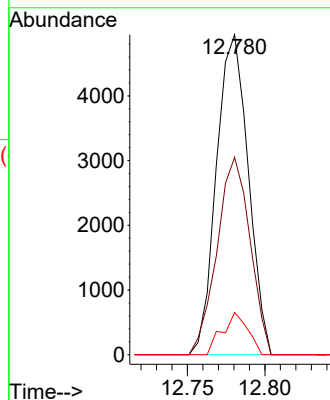
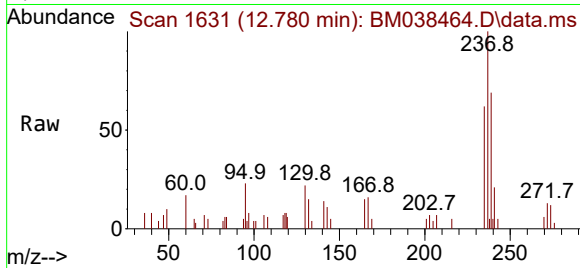




#41
Hexachlorocyclopentadiene
Concen: 4.297 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

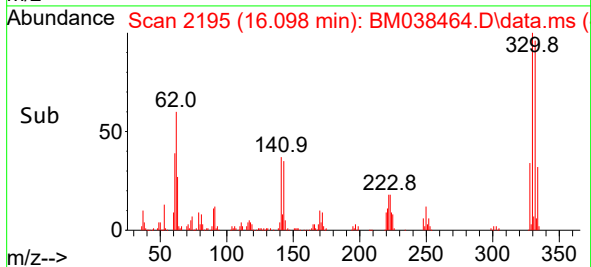
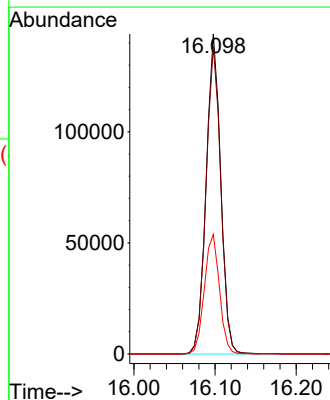
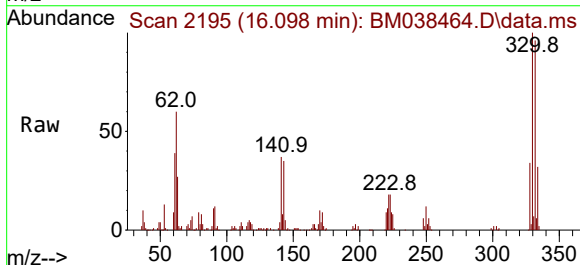
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

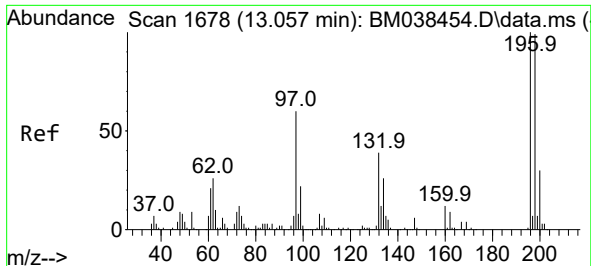
Tgt Ion:237 Resp: 7052
Ion Ratio Lower Upper
237 100
235 61.6 40.9 80.9
272 13.2 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 137.624 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:330 Resp: 179413
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 38.7 28.1 42.1

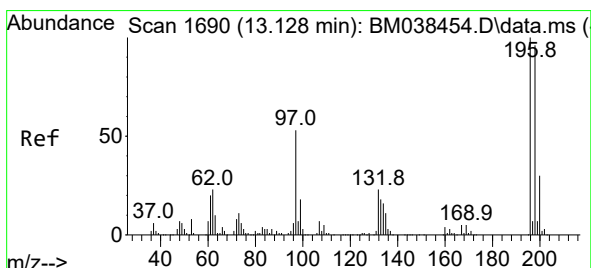
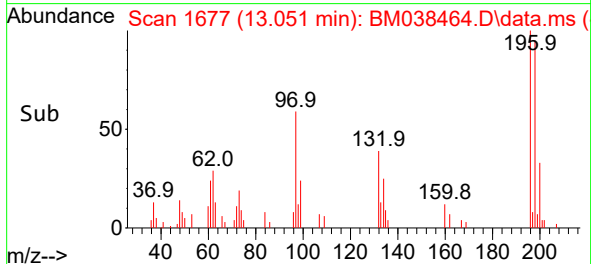
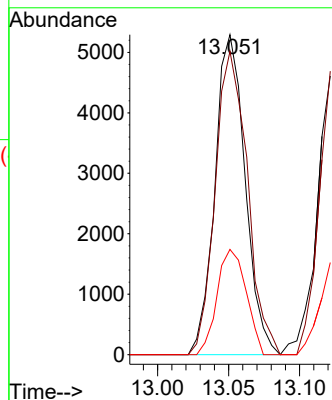
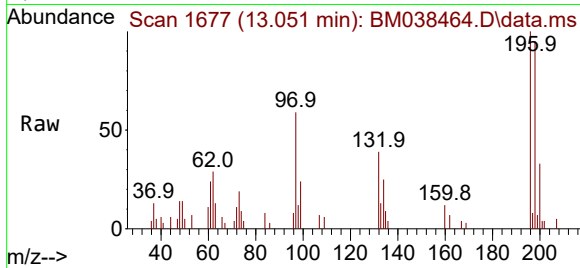




#43
2,4,6-Trichlorophenol
Concen: 4.296 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

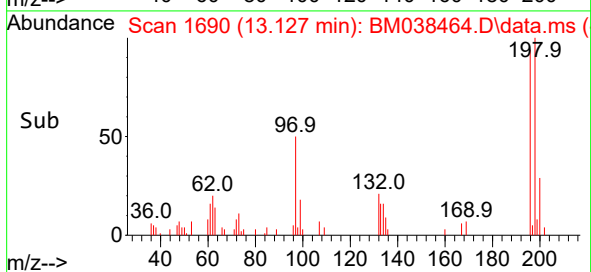
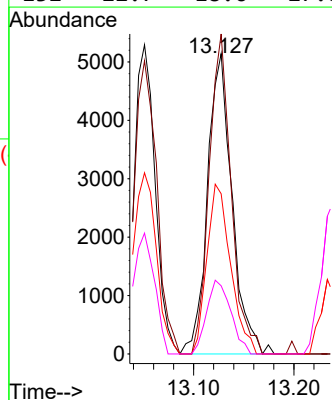
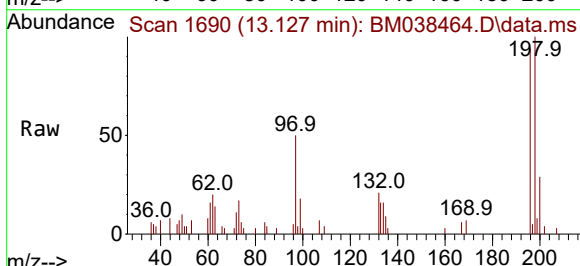
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

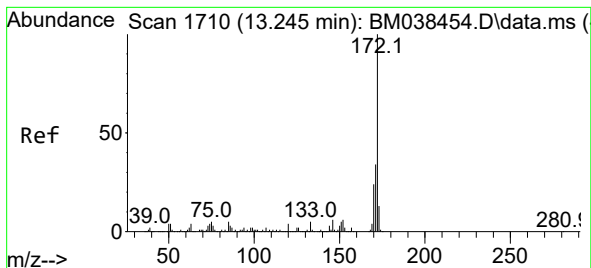
Tgt Ion:196 Resp: 7838
Ion Ratio Lower Upper
196 100
198 94.8 78.8 118.2
200 32.9 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 4.077 ng
RT: 13.127 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:196 Resp: 8770
Ion Ratio Lower Upper
196 100
198 106.6 77.4 116.2
97 53.3 42.4 63.6
132 22.7 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 106.239 ng

RT: 13.239 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

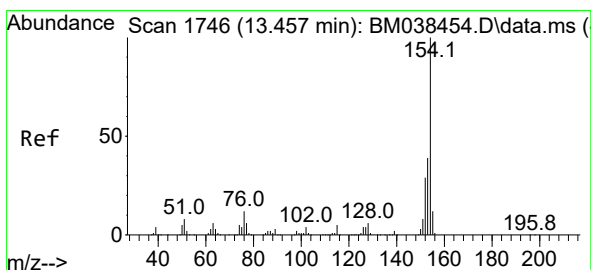
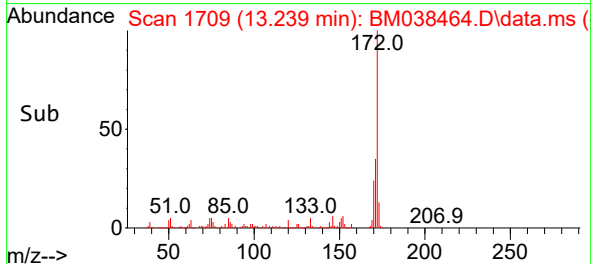
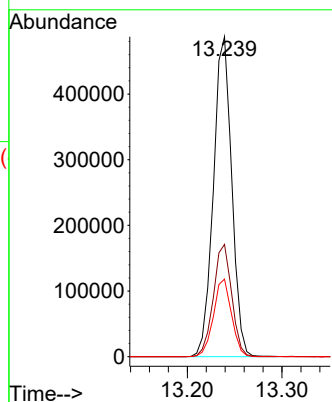
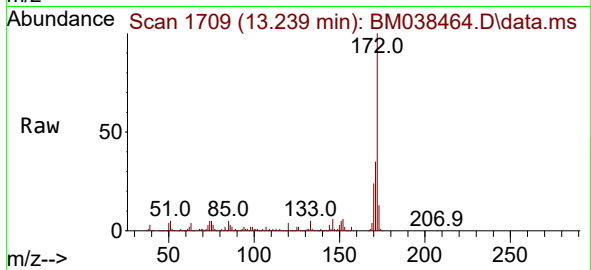
Tgt Ion:172 Resp: 656941

Ion Ratio Lower Upper

172 100

171 35.1 27.5 41.3

170 24.3 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.042 ng

RT: 13.445 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

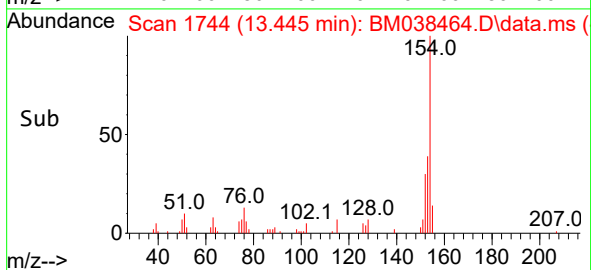
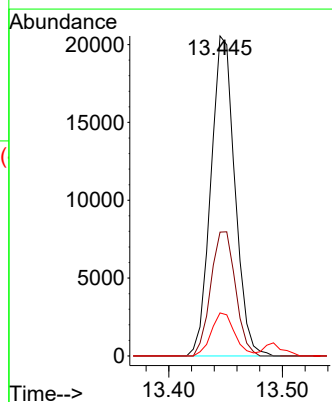
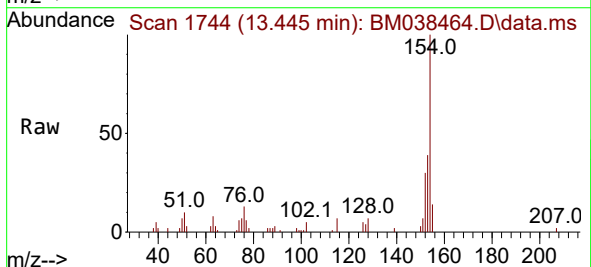
Tgt Ion:154 Resp: 30163

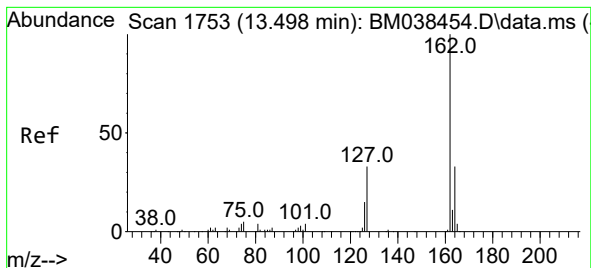
Ion Ratio Lower Upper

154 100

153 38.7 19.3 59.3

76 13.4 0.0 32.2





#47

2-Chloronaphthalene

Concen: 4.781 ng

RT: 13.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

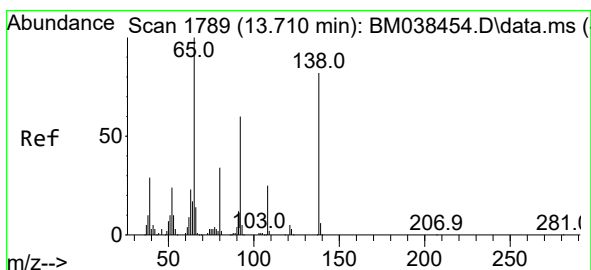
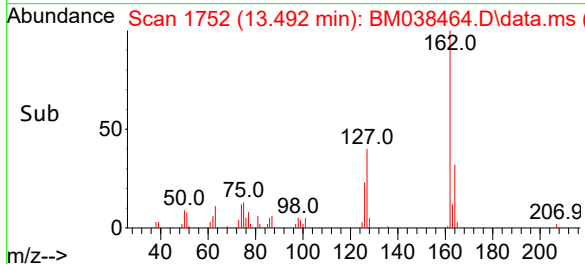
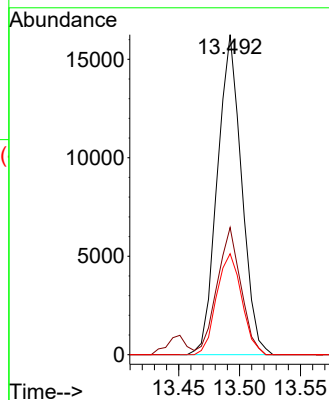
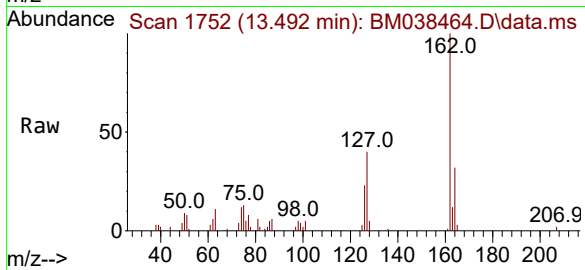
Tgt Ion:162 Resp: 22514

Ion Ratio Lower Upper

162 100

127 39.8 29.5 44.3

164 31.5 26.2 39.4



#48

2-Nitroaniline

Concen: 5.728 ng

RT: 13.704 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

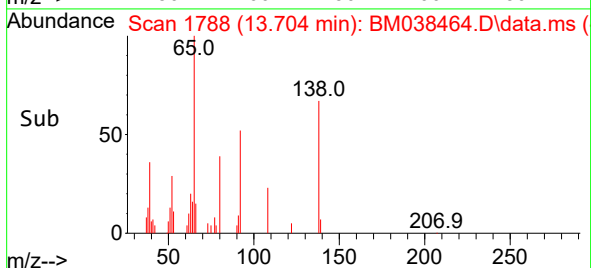
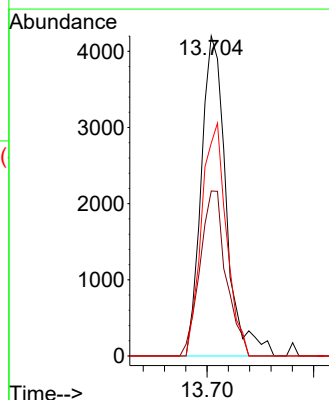
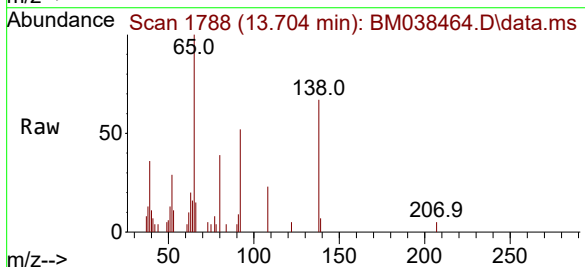
Tgt Ion: 65 Resp: 6806

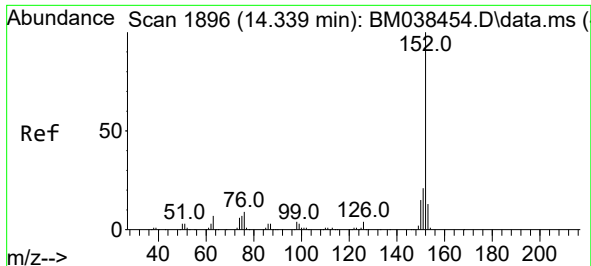
Ion Ratio Lower Upper

65 100

92 51.5 47.6 71.4

138 66.5 65.8 98.8

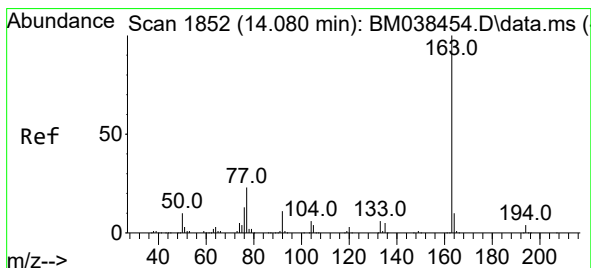
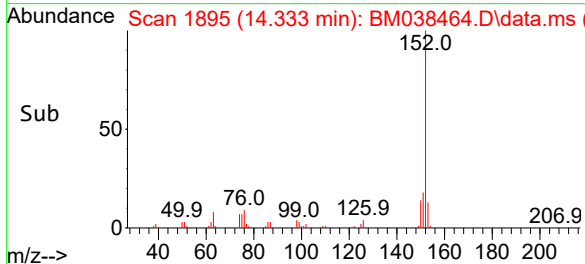
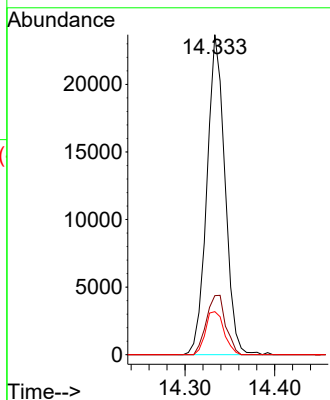
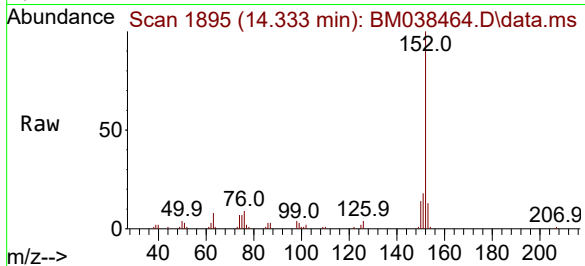




#49
Acenaphthylene
Concen: 4.449 ng
RT: 14.333 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

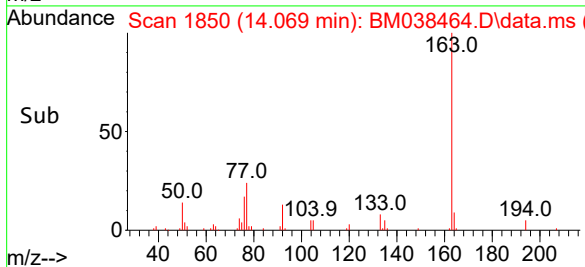
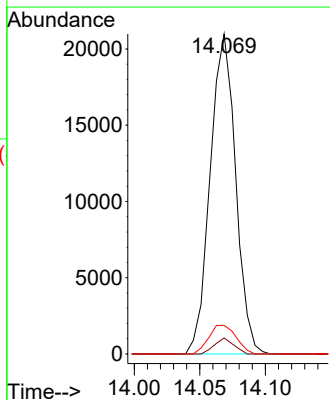
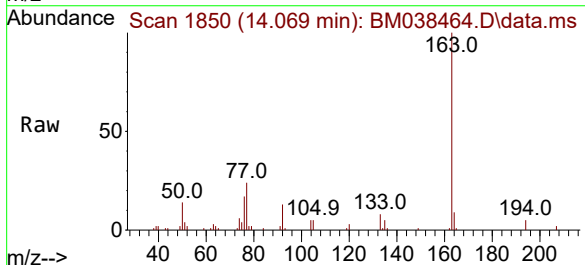
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

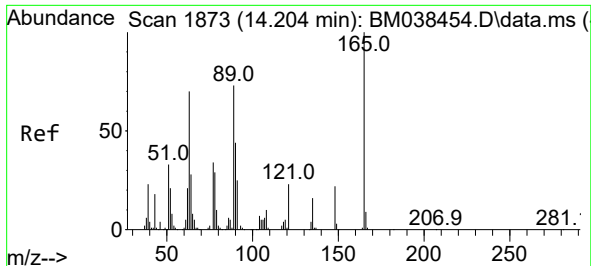
Tgt Ion:152 Resp: 33033
Ion Ratio Lower Upper
152 100
151 18.4 16.4 24.6
153 13.4 10.6 15.8



#50
Dimethylphthalate
Concen: 4.533 ng
RT: 14.069 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:163 Resp: 28329
Ion Ratio Lower Upper
163 100
194 5.0 3.6 5.4
164 8.9 7.8 11.8

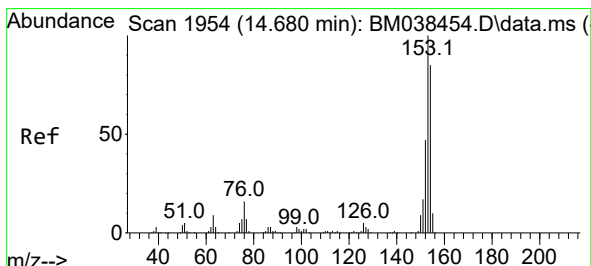
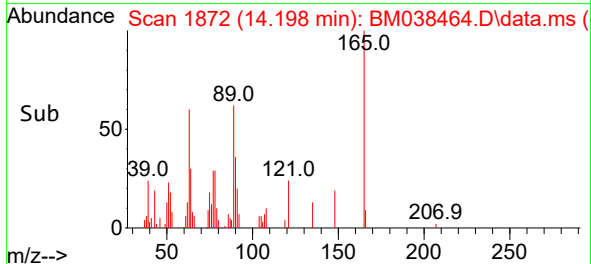
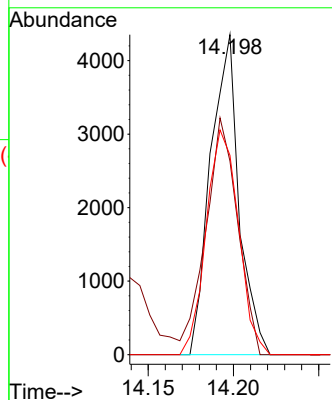
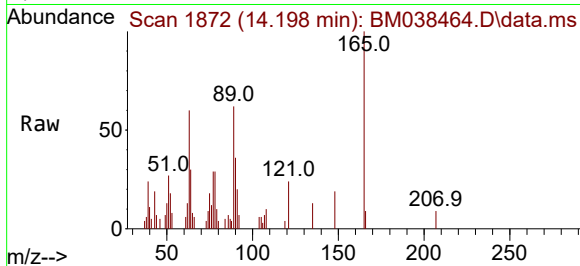




#51
2,6-Dinitrotoluene
Concen: 3.981 ng
RT: 14.198 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

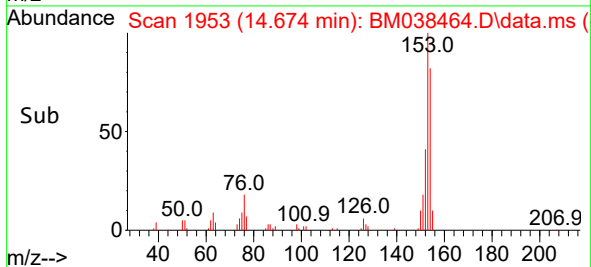
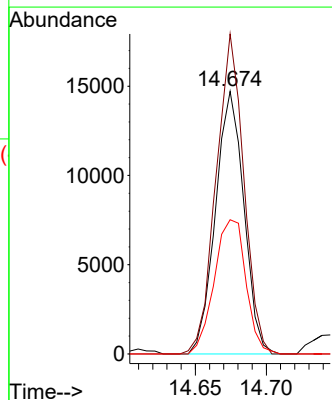
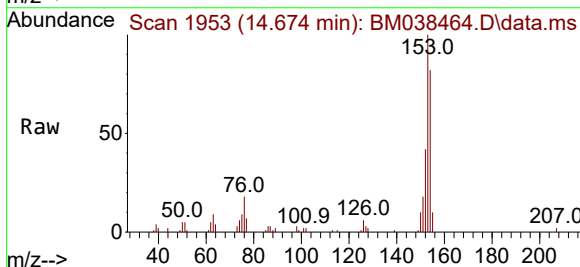
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

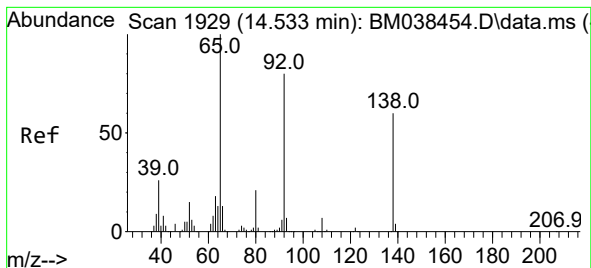
Tgt Ion:165 Resp: 5062
Ion Ratio Lower Upper
165 100
63 60.5 60.9 91.3#
89 62.3 58.6 87.8



#52
Acenaphthene
Concen: 4.532 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:154 Resp: 20449
Ion Ratio Lower Upper
154 100
153 121.8 93.8 140.6
152 51.1 44.2 66.4





#53

3-Nitroaniline

Concen: 5.570 ng

RT: 14.533 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

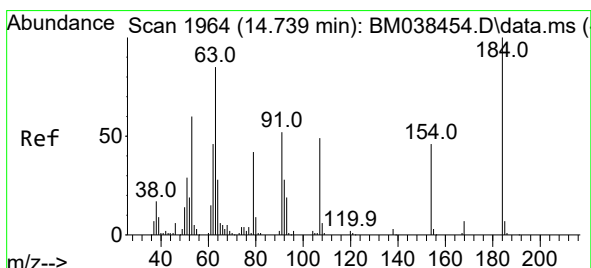
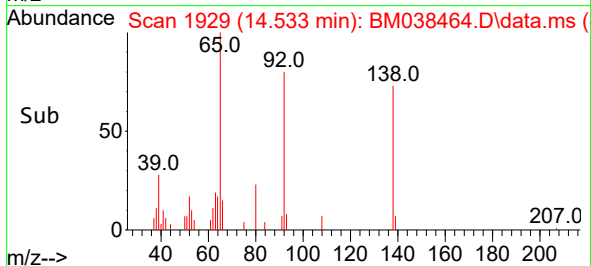
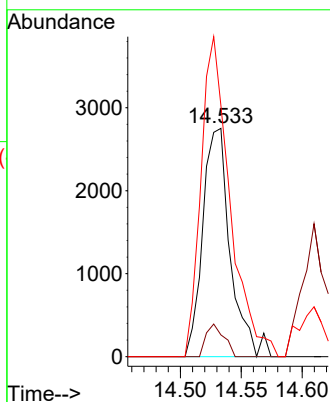
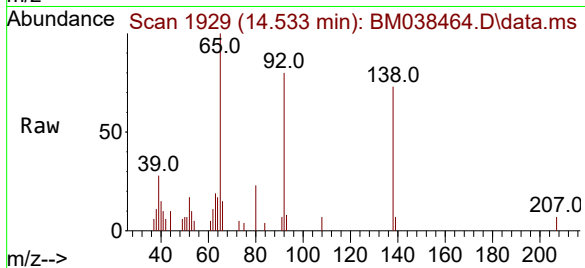
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:	138	Resp:	4326
Ion Ratio	Lower	Upper	
138	100		
108	9.5	8.9	13.3
92	109.9	106.4	159.6



#54

2,4-Dinitrophenol

Concen: 7.707 ng

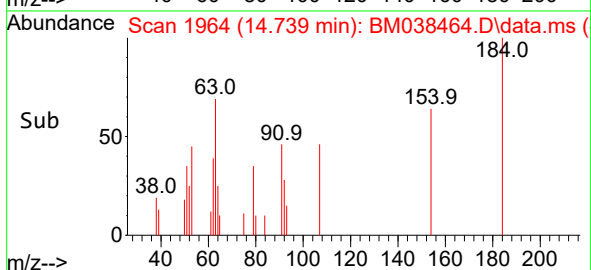
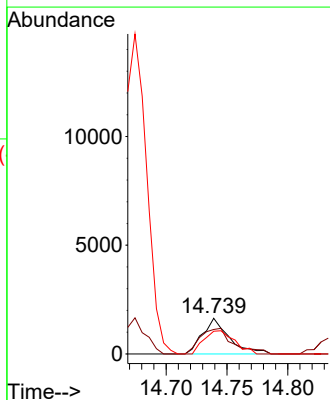
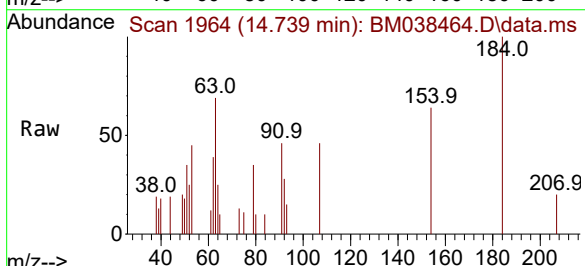
RT: 14.739 min Scan# 1964

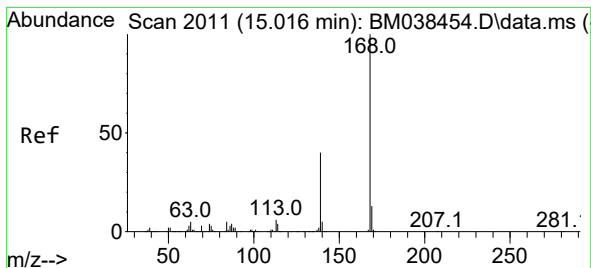
Delta R.T. 0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:	184	Resp:	2494
Ion Ratio	Lower	Upper	
184	100		
63	68.6	70.0	105.0#
154	63.6	55.6	83.4





#55

Dibenzenofuran

Concen: 4.605 ng

RT: 15.010 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

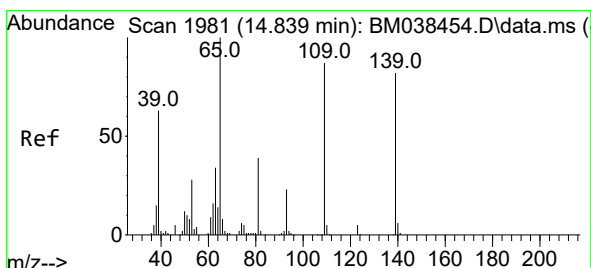
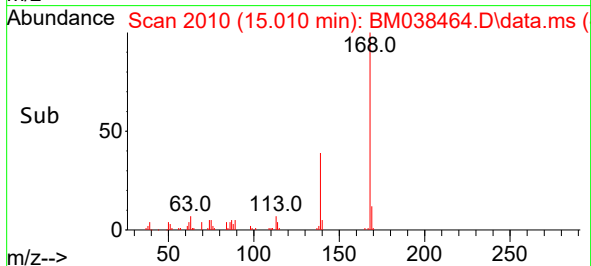
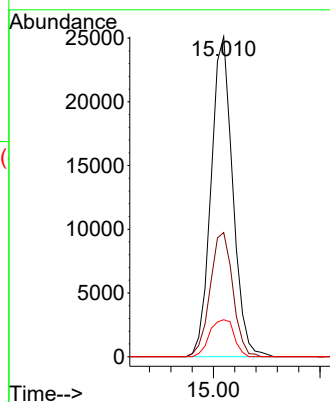
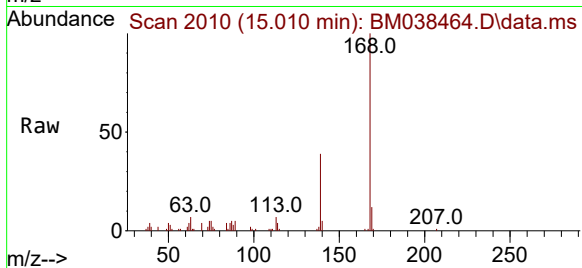
Tgt Ion:168 Resp: 35376

Ion Ratio Lower Upper

168 100

139 38.8 31.9 47.9

169 11.6 10.5 15.7



#56

4-Nitrophenol

Concen: 6.502 ng

RT: 14.839 min Scan# 1981

Delta R.T. 0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

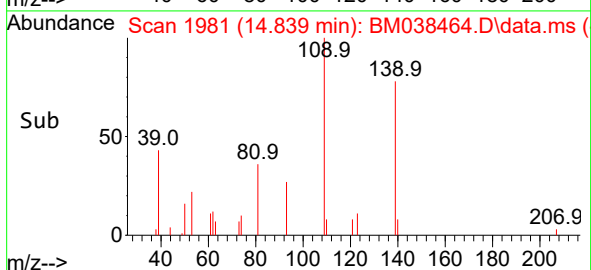
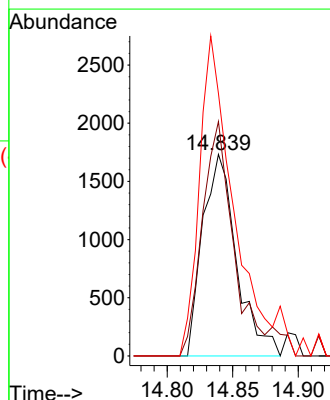
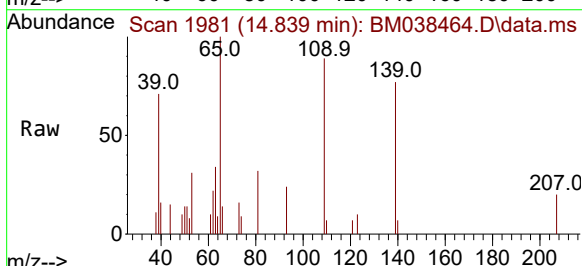
Tgt Ion:139 Resp: 3115

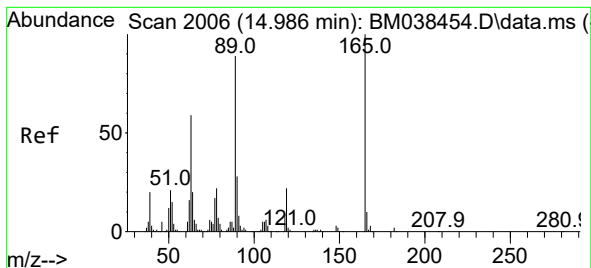
Ion Ratio Lower Upper

139 100

109 116.3 86.0 126.0

65 130.3 102.7 142.7





#57

2,4-Dinitrotoluene

Concen: 3.681 ng

RT: 14.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM038464.D

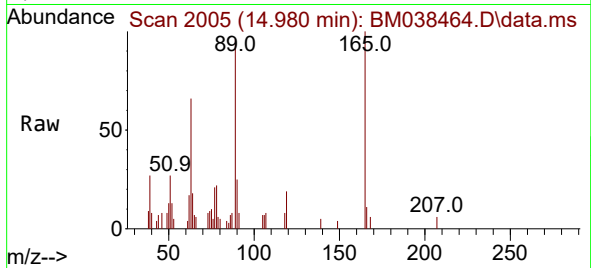
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:165 Resp: 6506

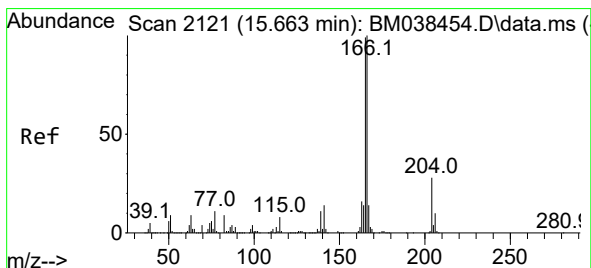
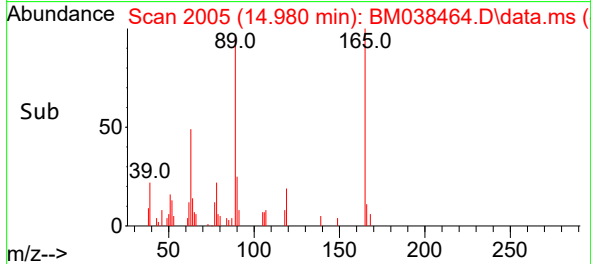
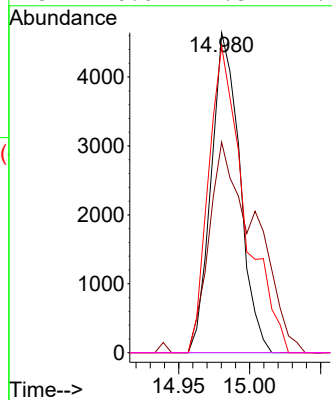
Ion Ratio Lower Upper

165 100

63 65.8 47.7 71.5

89 95.8 71.5 107.3

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 4.281 ng

RT: 15.657 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

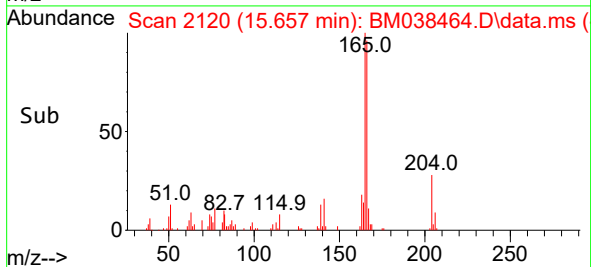
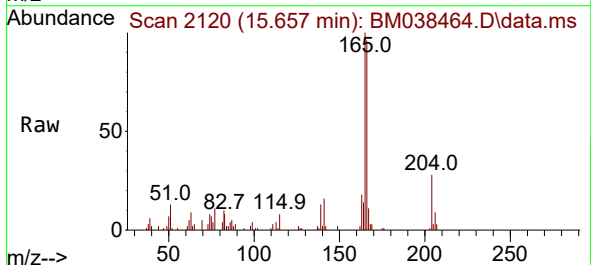
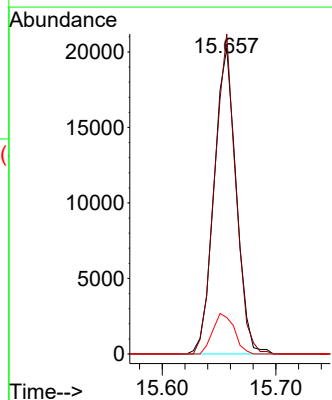
Tgt Ion:166 Resp: 27479

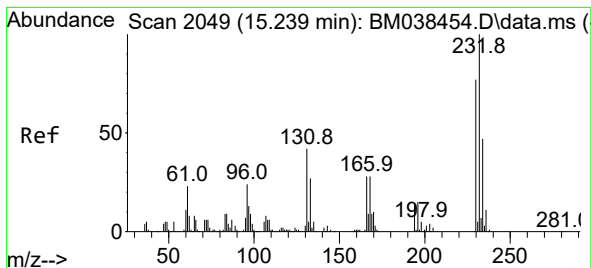
Ion Ratio Lower Upper

166 100

165 104.7 79.2 118.8

167 11.9 11.0 16.4

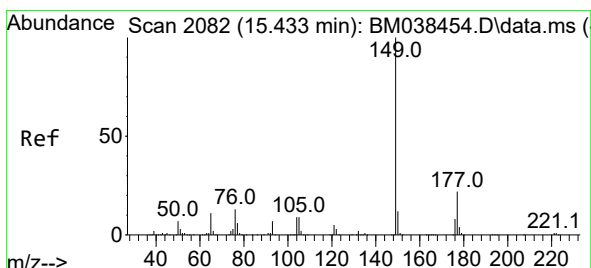
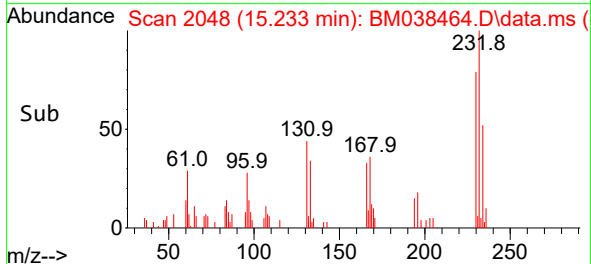
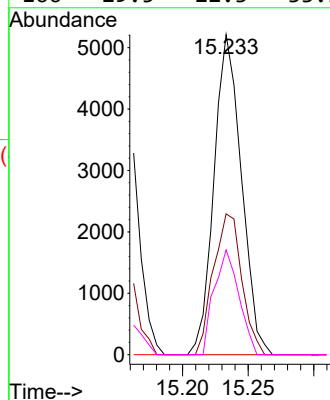
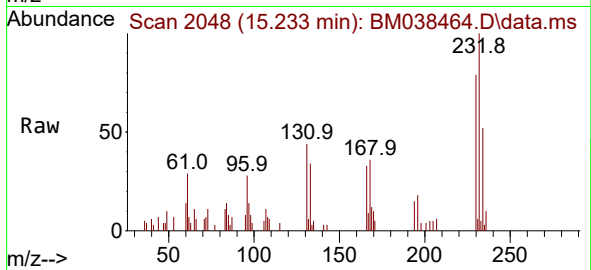




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.972 ng
RT: 15.233 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

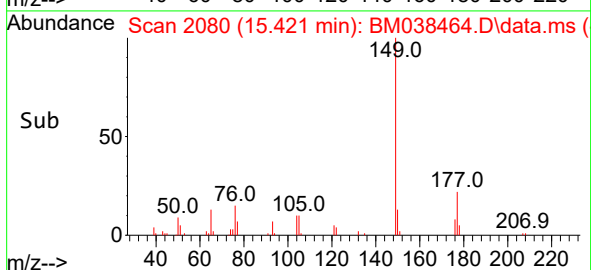
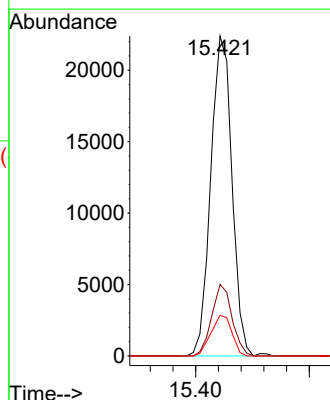
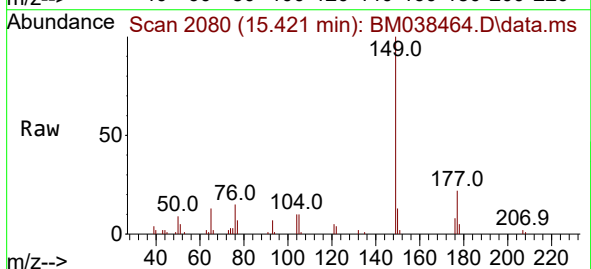
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

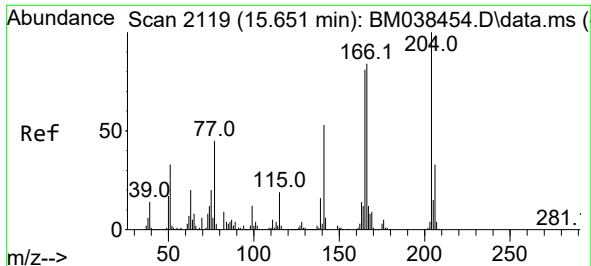
Tgt Ion:232 Resp: 7575
Ion Ratio Lower Upper
232 100
131 45.6 33.8 50.6
130 0.0 1.9 2.9#
166 29.5 22.3 33.5



#60
Diethylphthalate
Concen: 4.531 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:149 Resp: 29049
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.6
150 12.7 9.5 14.3

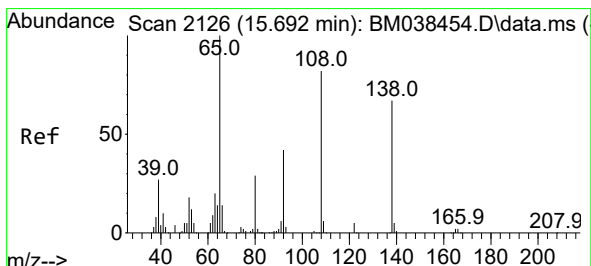
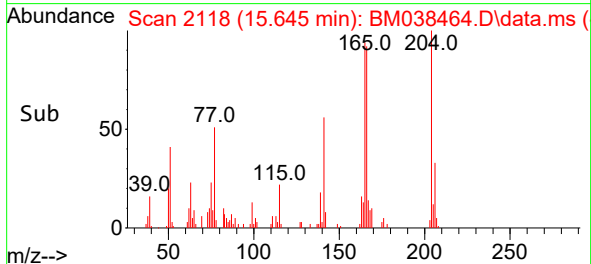
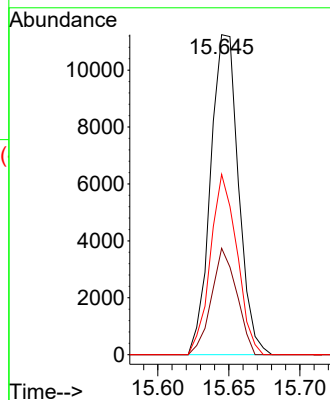
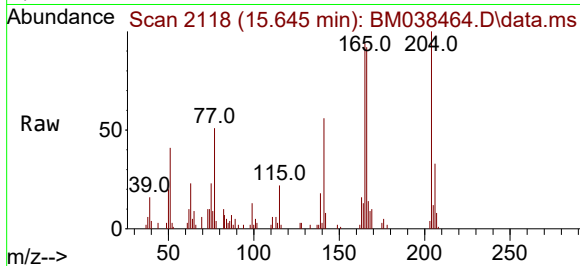




#61
4-Chlorophenyl-phenylether
Concen: 4.366 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

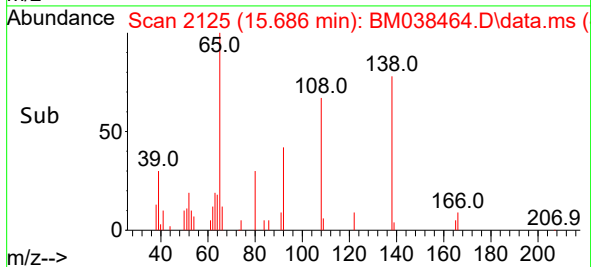
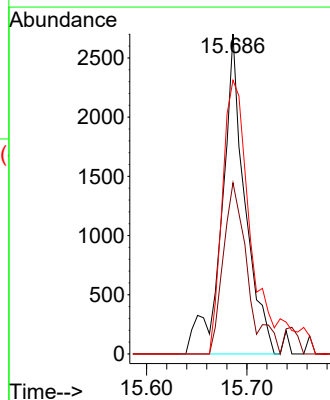
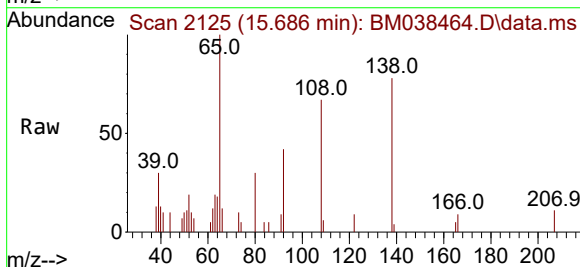
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

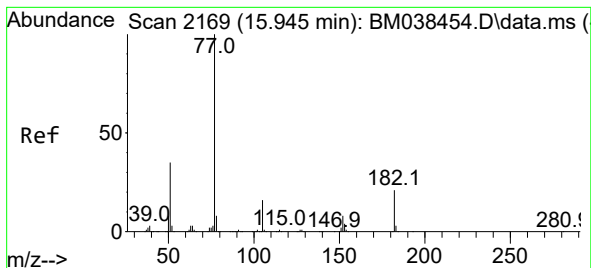
Tgt Ion:204 Resp: 15383
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.4
141 56.3 42.5 63.7



#62
4-Nitroaniline
Concen: 5.628 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:138 Resp: 4274
Ion Ratio Lower Upper
138 100
92 53.5 42.1 82.1
108 85.5 102.5 142.5#





#63

Azobenzene

Concen: 4.468 ng

RT: 15.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038464.D

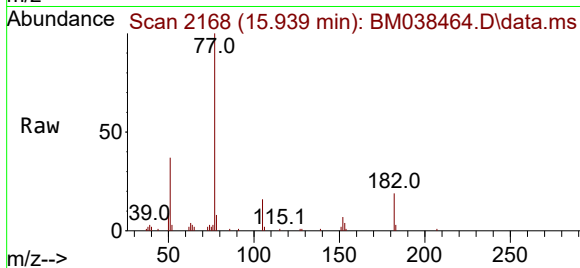
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 77 Resp: 31522

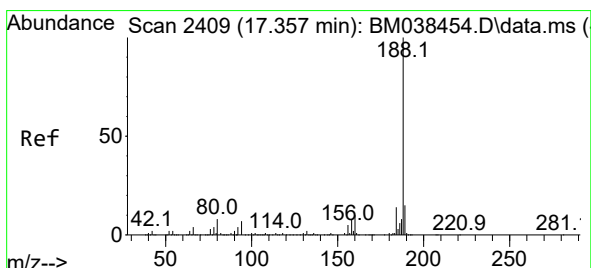
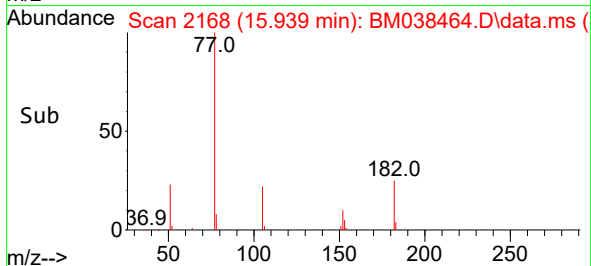
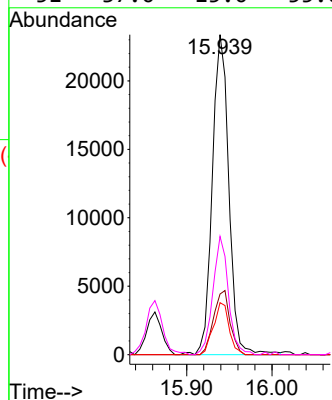
Ion Ratio Lower Upper

77 100

182 19.0 1.1 41.1

105 16.3 0.0 36.4

51 37.0 15.0 55.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

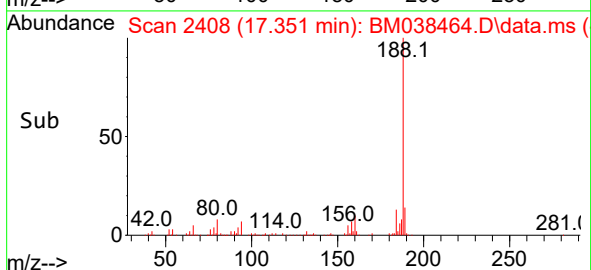
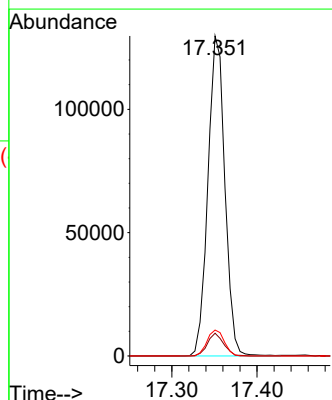
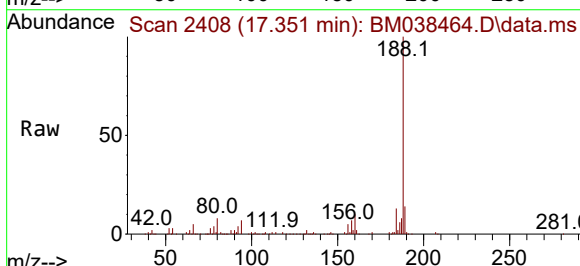
Tgt Ion: 188 Resp: 179369

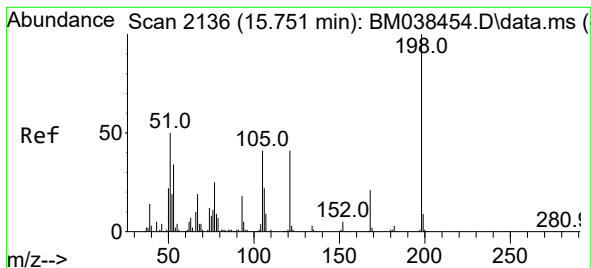
Ion Ratio Lower Upper

188 100

94 7.1 5.4 8.0

80 8.1 6.5 9.7

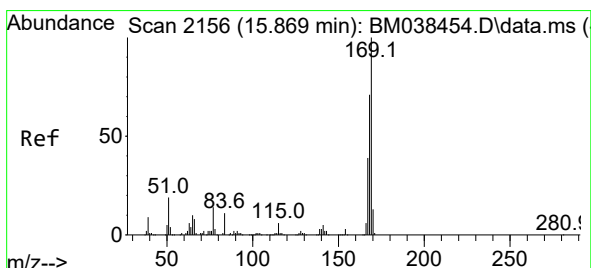
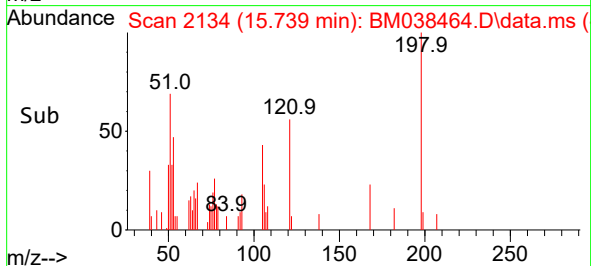
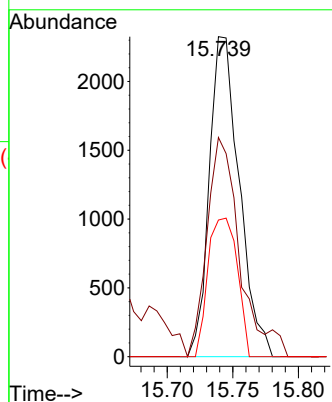
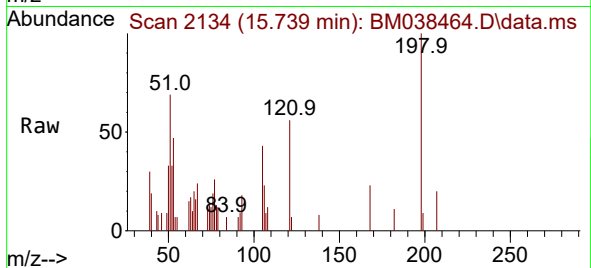




#65
4,6-Dinitro-2-methylphenol
Concen: 3.036 ng
RT: 15.739 min Scan# 2136
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

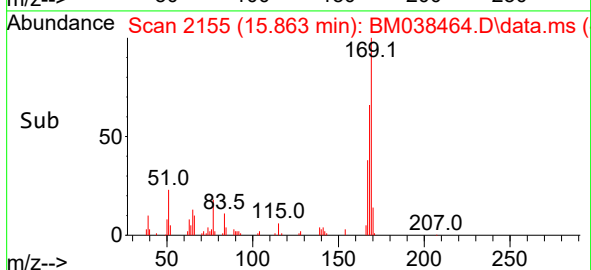
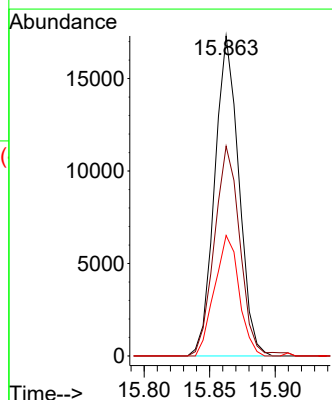
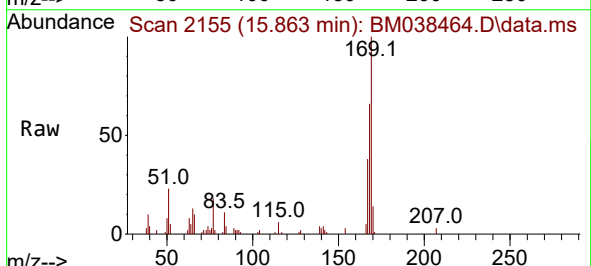
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

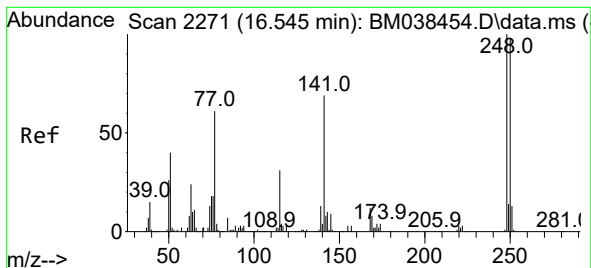
Tgt Ion	Ratio	Lower	Upper
198	100		
51	68.5	31.6	71.6
105	42.7	21.5	61.5



#66
n-Nitrosodiphenylamine
Concen: 4.207 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.5	56.6	85.0
167	37.7	31.1	46.7

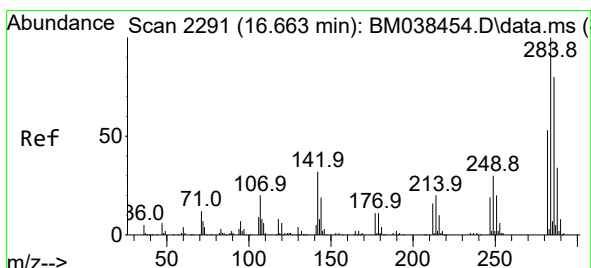
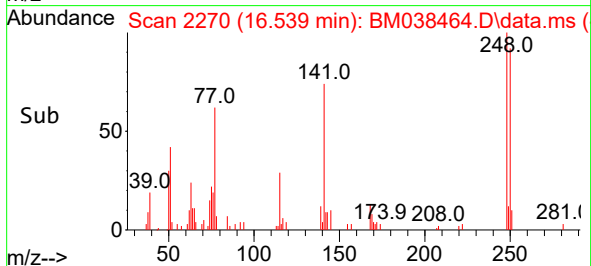
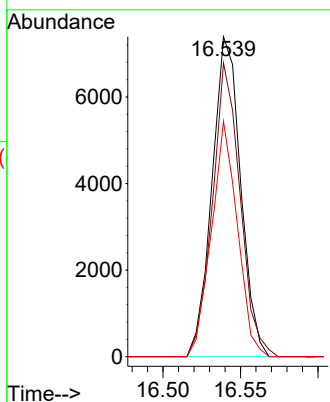
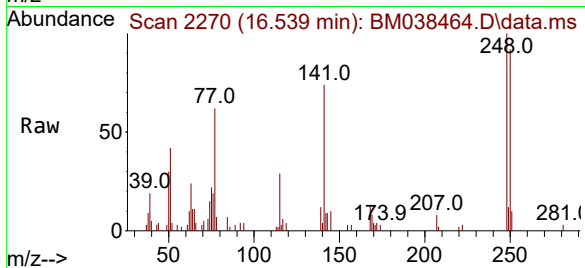




#67
4-Bromophenyl-phenylether
Concen: 4.559 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

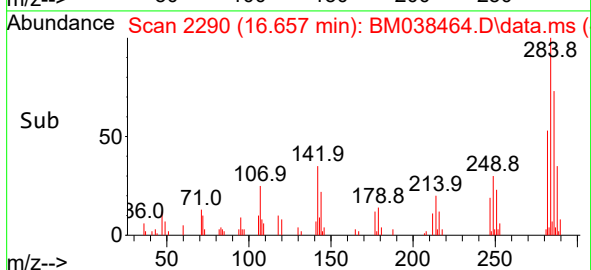
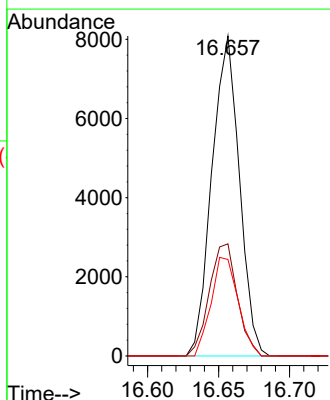
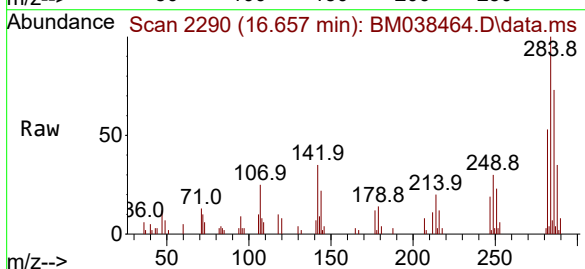
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

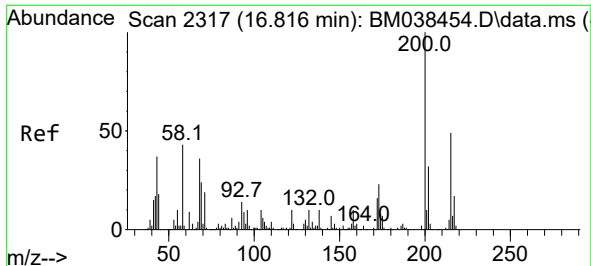
Tgt Ion:248 Resp: 9460
Ion Ratio Lower Upper
248 100
250 91.8 78.3 117.5
141 73.6 55.1 82.7



#68
Hexachlorobenzene
Concen: 4.676 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:284 Resp: 10863
Ion Ratio Lower Upper
284 100
142 35.0 26.0 39.0
249 33.1 23.8 35.8

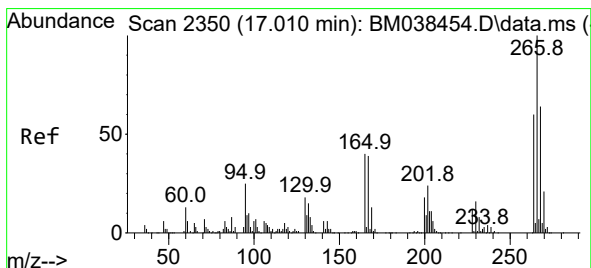
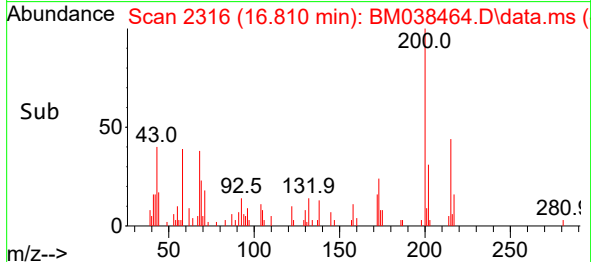
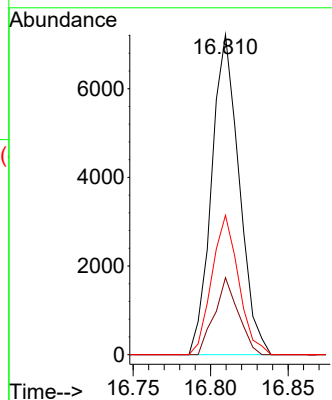
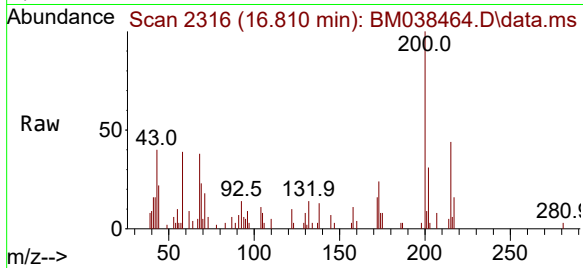




#69
 Atrazine
 Concen: 4.796 ng
 RT: 16.810 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038464.D
 Acq: 17 Jan 2023 13:34

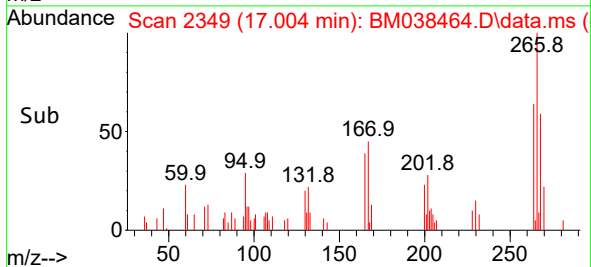
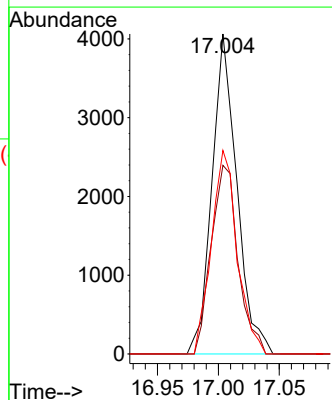
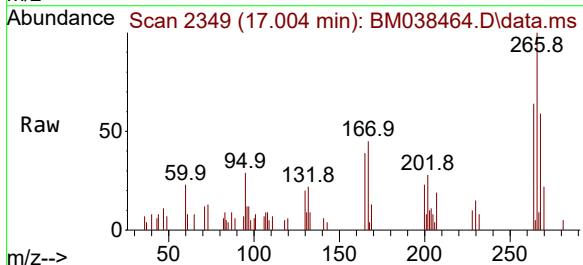
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

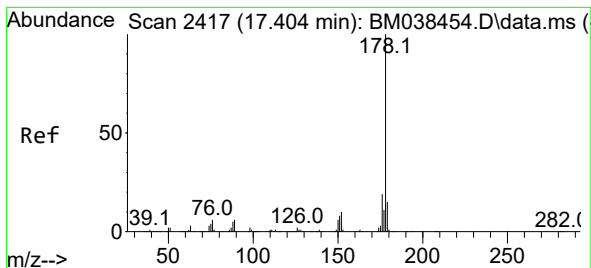
Tgt Ion:200 Resp: 8926
 Ion Ratio Lower Upper
 200 100
 173 24.0 3.4 43.4
 215 43.6 29.3 69.3



#70
 Pentachlorophenol
 Concen: 3.395 ng
 RT: 17.004 min Scan# 2349
 Delta R.T. -0.006 min
 Lab File: BM038464.D
 Acq: 17 Jan 2023 13:34

Tgt Ion:266 Resp: 5759
 Ion Ratio Lower Upper
 266 100
 268 59.0 51.4 77.0
 264 63.6 48.2 72.2





#71

Phenanthrene

Concen: 4.515 ng

RT: 17.392 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

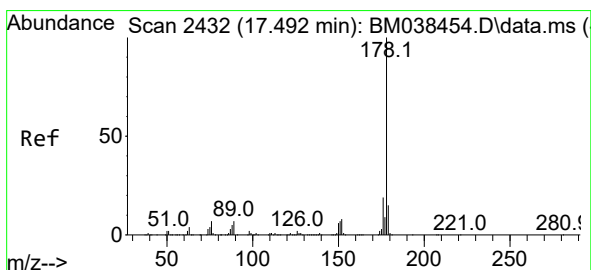
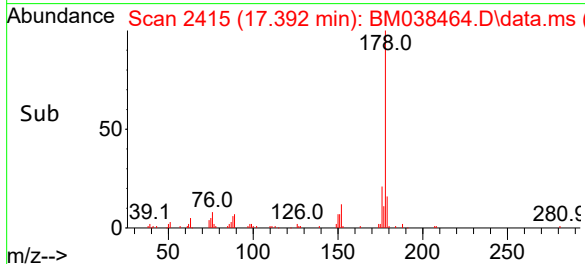
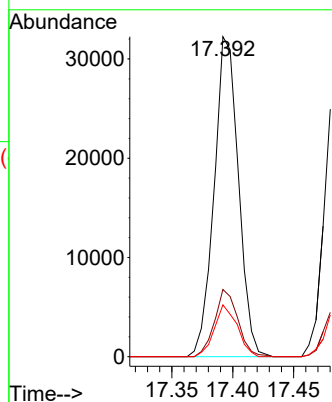
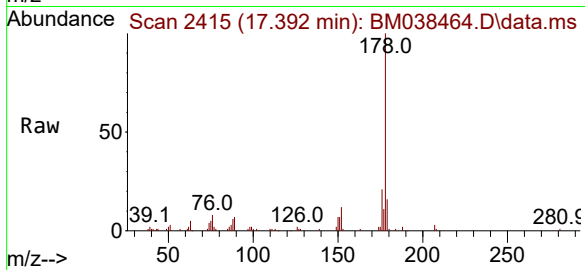
Tgt Ion:178 Resp: 44805

Ion Ratio Lower Upper

178 100

176 21.0 15.4 23.0

179 16.2 12.1 18.1



#72

Anthracene

Concen: 4.377 ng

RT: 17.486 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

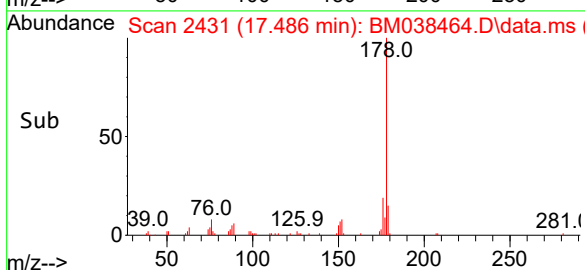
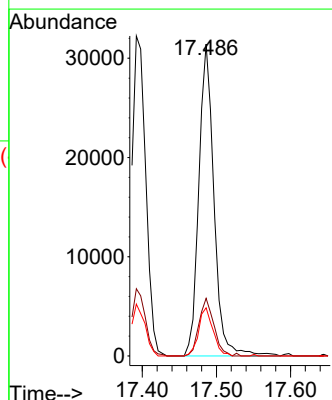
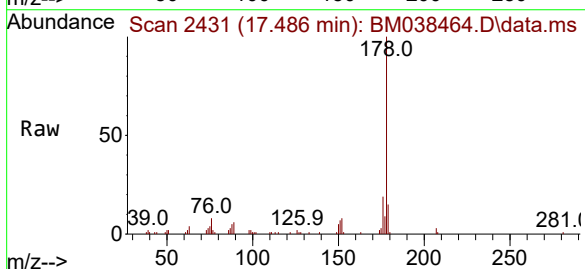
Tgt Ion:178 Resp: 44636

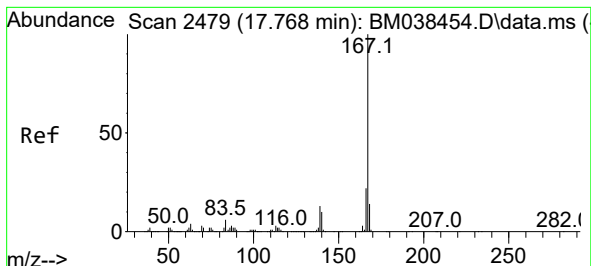
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 15.5 12.2 18.2





#73

Carbazole

Concen: 4.291 ng

RT: 17.762 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BM038464.D

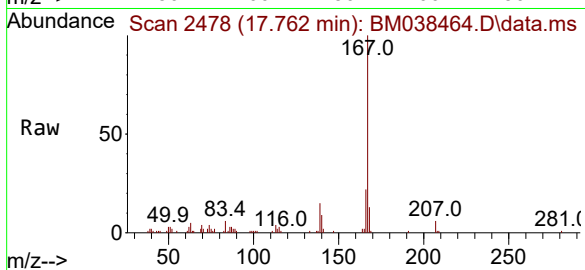
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



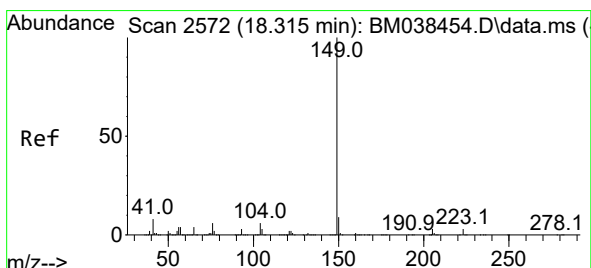
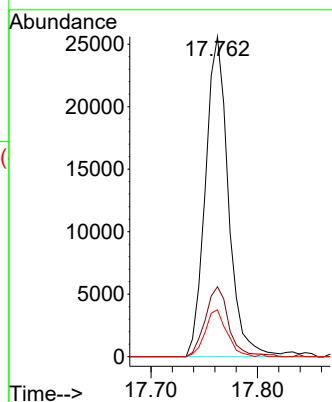
Tgt Ion:167 Resp: 38271

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

139 14.7 10.1 15.1



#74

Di-n-butylphthalate

Concen: 4.757 ng

RT: 18.309 min Scan# 2571

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

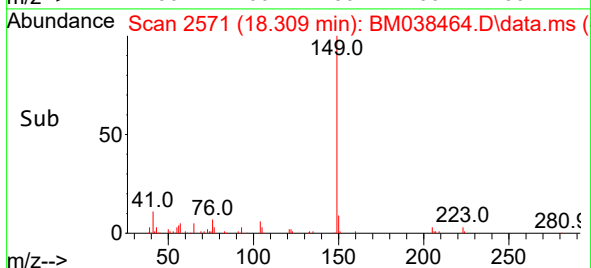
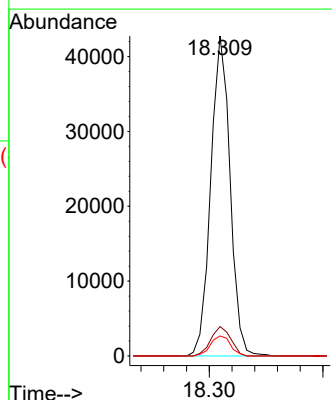
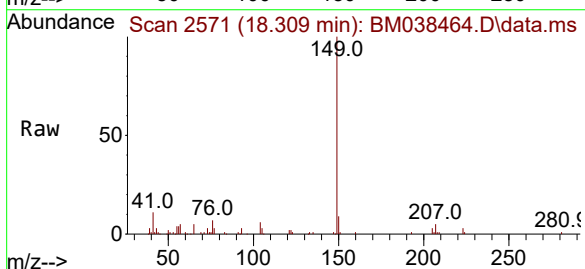
Tgt Ion:149 Resp: 50385

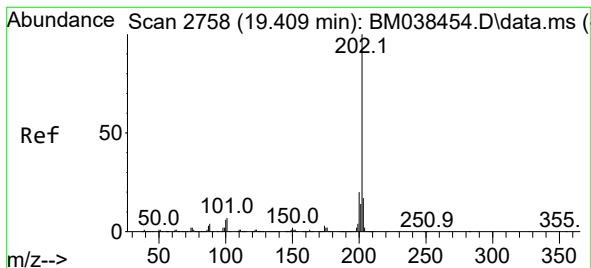
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 6.3 4.7 7.1





#75

Fluoranthene

Concen: 4.391 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

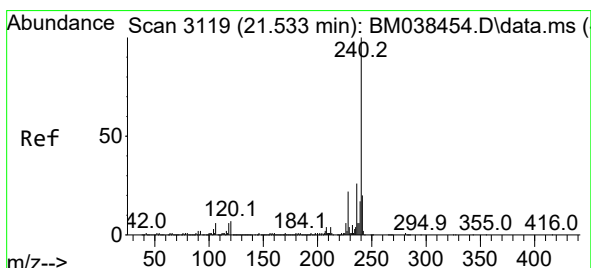
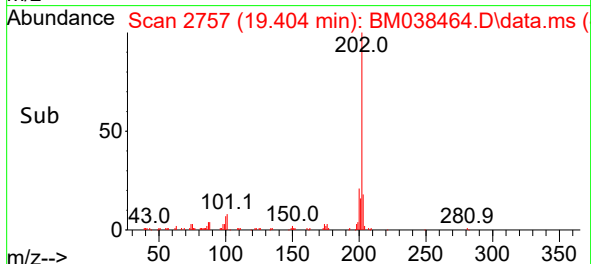
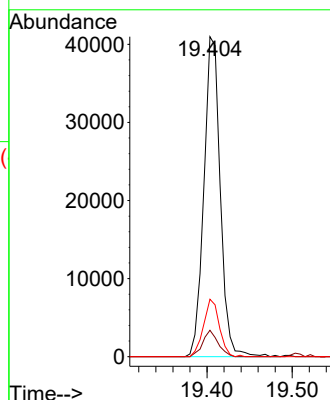
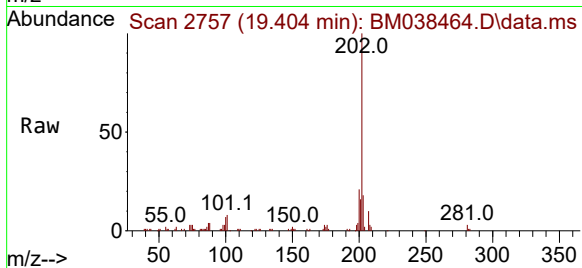
Tgt Ion:202 Resp: 54780

Ion Ratio Lower Upper

202 100

101 8.3 0.0 27.4

203 18.0 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

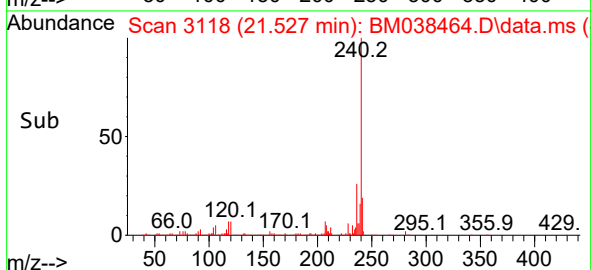
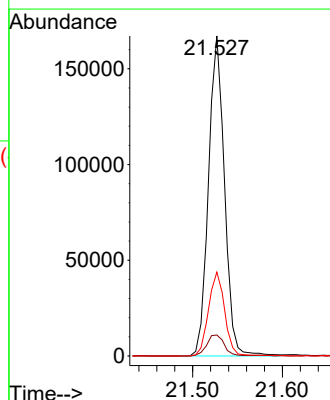
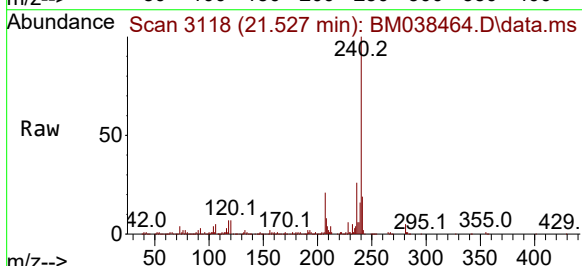
Tgt Ion:240 Resp: 207289

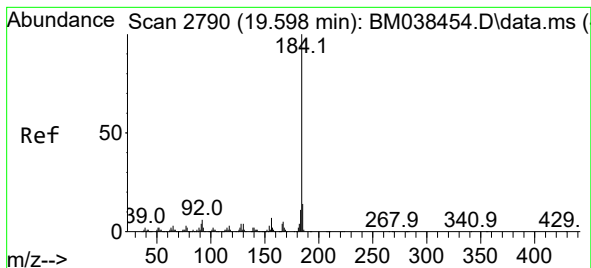
Ion Ratio Lower Upper

240 100

120 6.6 5.6 8.4

236 26.2 21.0 31.4





#77

Benzidine

Concen: 4.287 ng

RT: 19.598 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

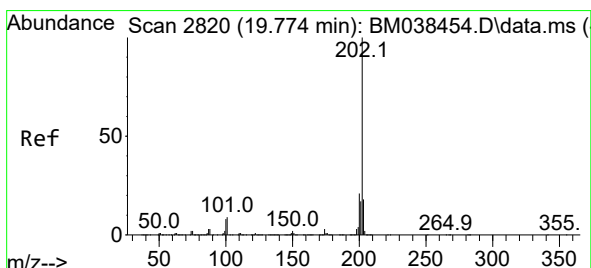
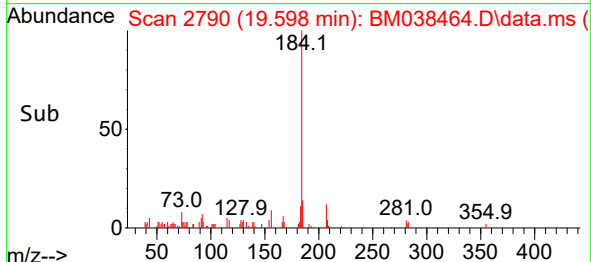
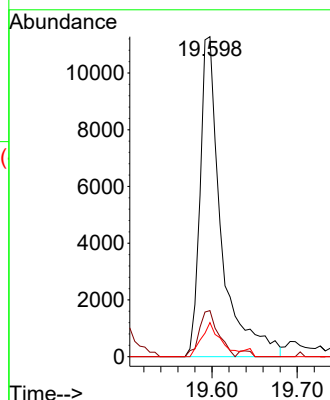
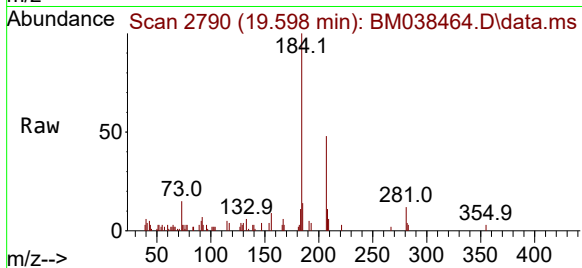
Tgt Ion:184 Resp: 19473

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

183 10.7 8.6 13.0



#78

Pyrene

Concen: 4.281 ng

RT: 19.768 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

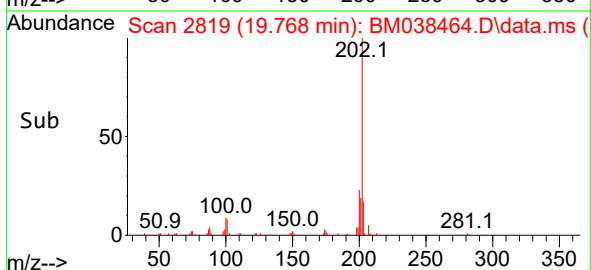
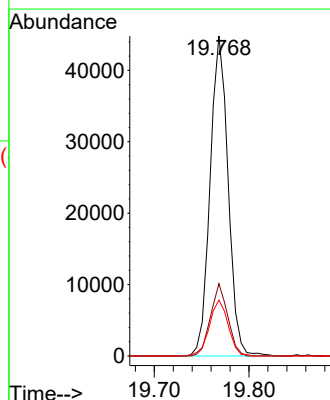
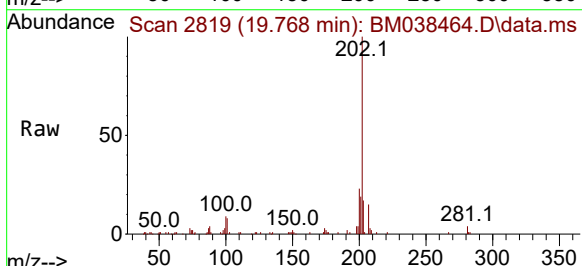
Tgt Ion:202 Resp: 59062

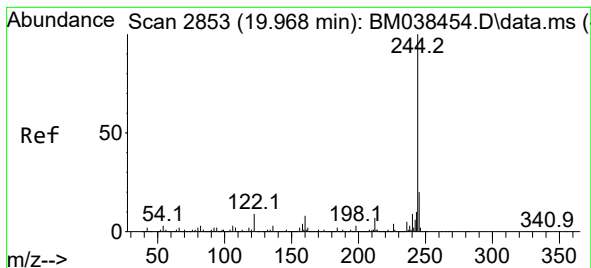
Ion Ratio Lower Upper

202 100

200 22.6 16.9 25.3

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 116.252 ng

RT: 19.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038464.D

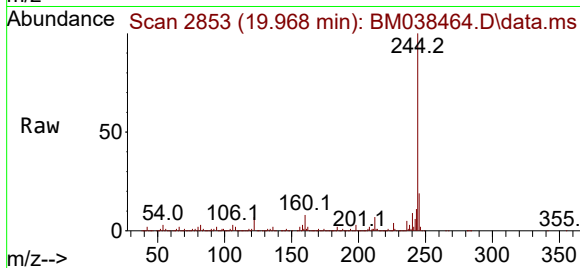
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



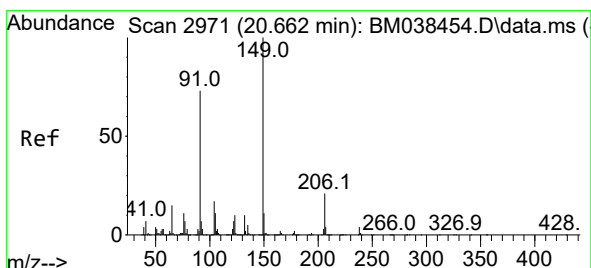
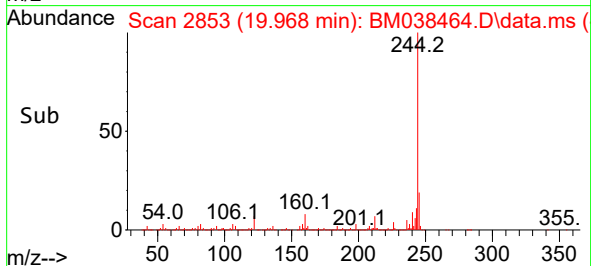
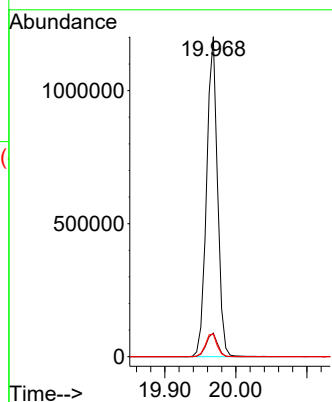
Tgt Ion:244 Resp: 1287251

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 7.0 7.1 10.7#



#80

Butylbenzylphthalate

Concen: 4.493 ng

RT: 20.656 min Scan# 2970

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

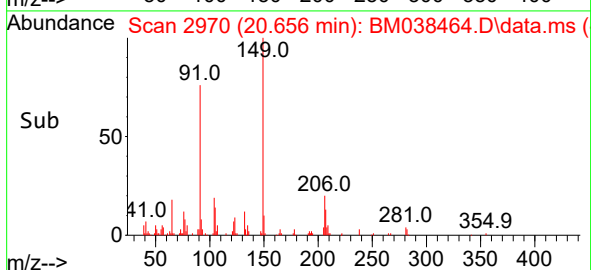
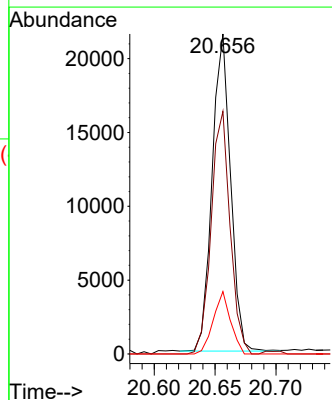
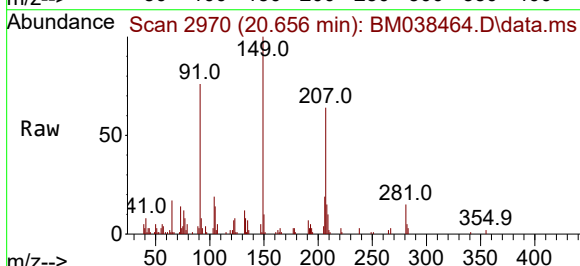
Tgt Ion:149 Resp: 22654

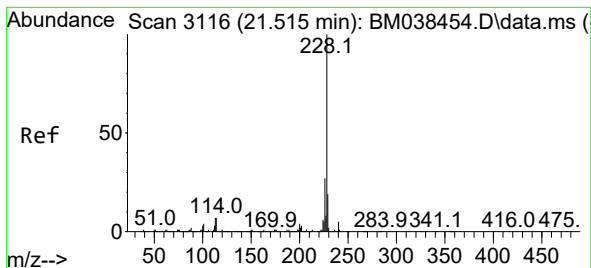
Ion Ratio Lower Upper

149 100

91 75.8 58.3 87.5

206 19.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 4.573 ng

RT: 21.509 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

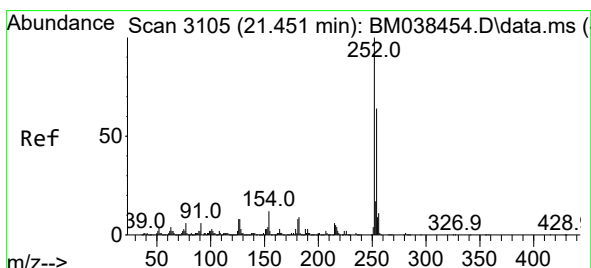
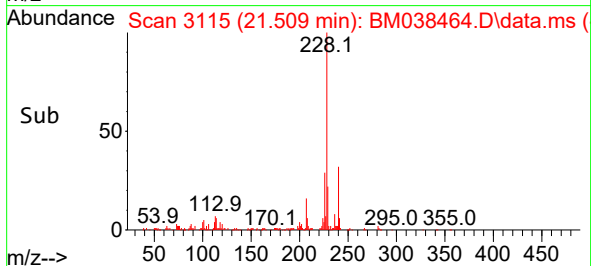
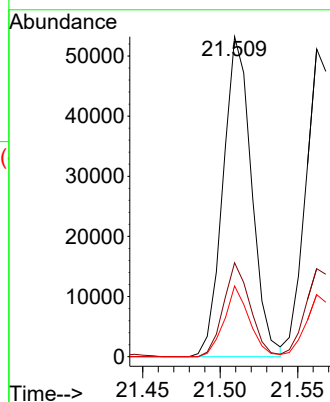
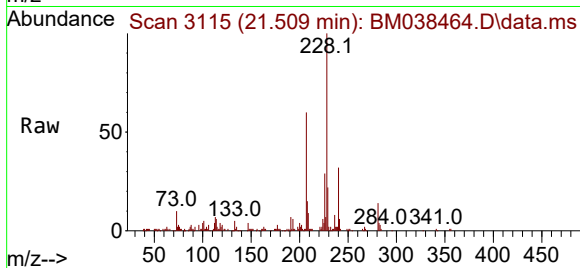
Tgt Ion:228 Resp: 68172

Ion Ratio Lower Upper

228 100

226 29.4 22.0 33.0

229 22.1 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 5.096 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

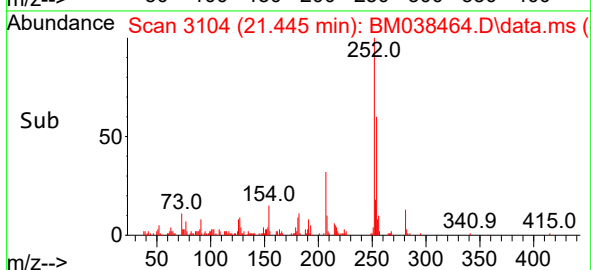
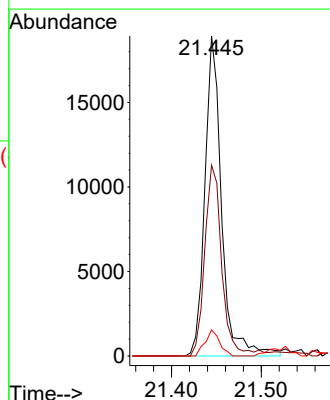
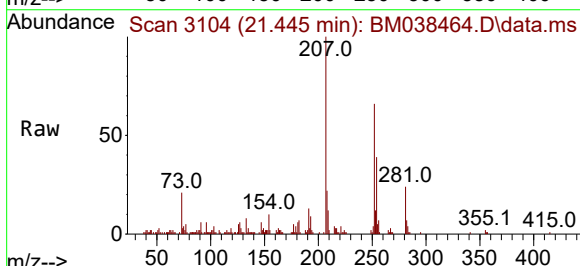
Tgt Ion:252 Resp: 24466

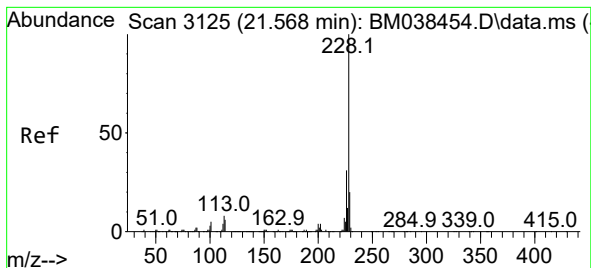
Ion Ratio Lower Upper

252 100

254 59.6 51.2 76.8

126 8.1 6.3 9.5





#83

Chrysene

Concen: 4.568 ng

RT: 21.562 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

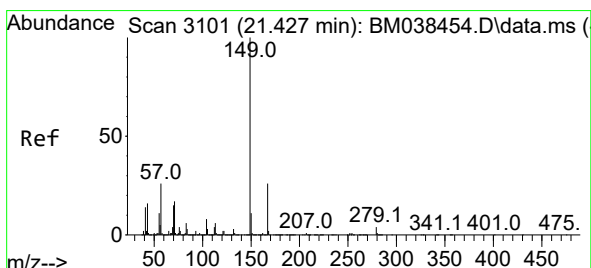
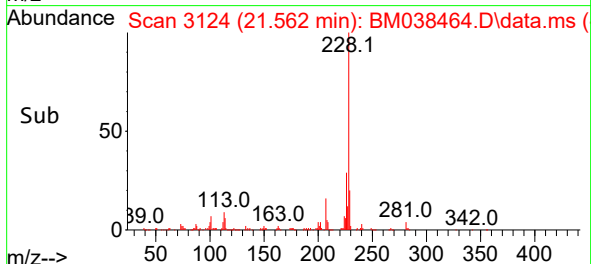
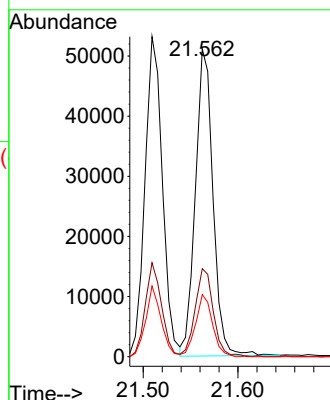
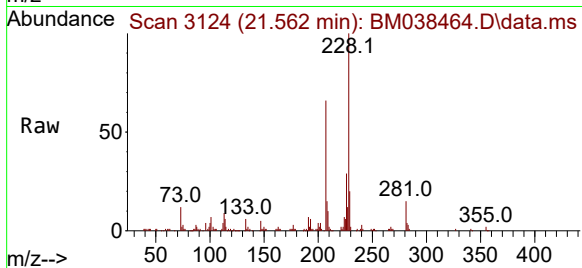
Tgt Ion:228 Resp: 66174

Ion Ratio Lower Upper

228 100

226 28.6 24.6 36.8

229 20.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.444 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

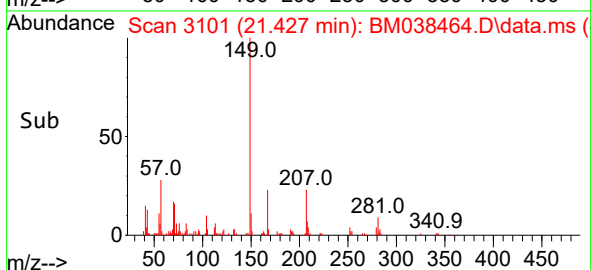
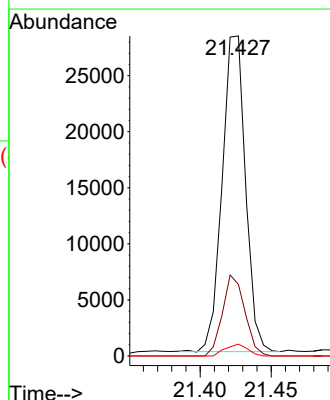
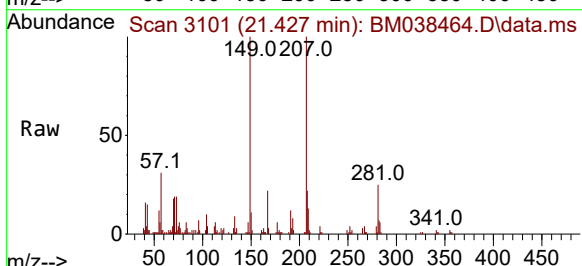
Tgt Ion:149 Resp: 32210

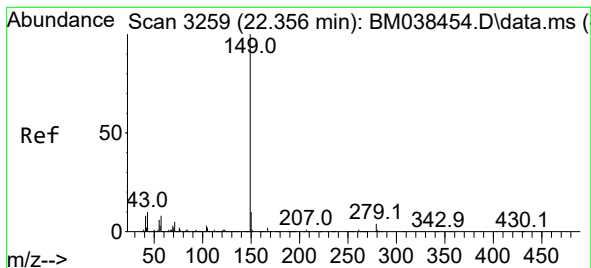
Ion Ratio Lower Upper

149 100

167 22.4 21.0 31.4

279 3.7 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 4.702 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

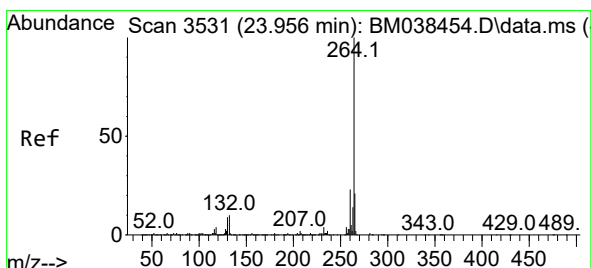
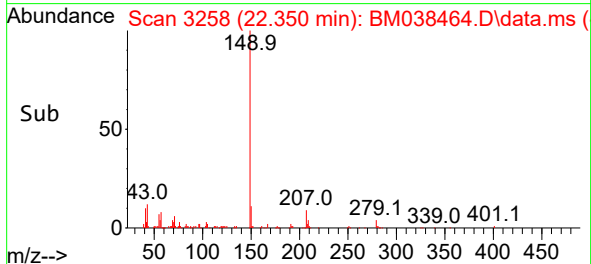
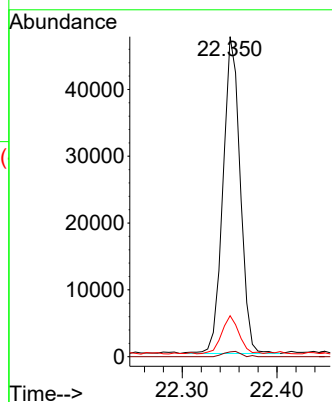
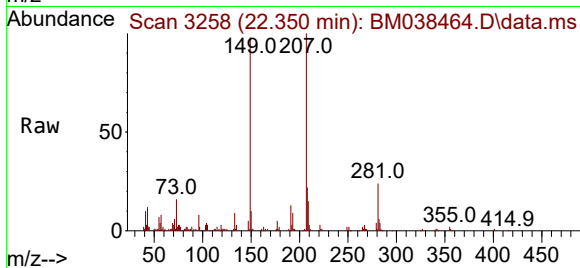
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:149	Resp:	59963
Ion Ratio	Lower	Upper
149	100	
167	1.7	1.3 1.9
43	12.2	8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

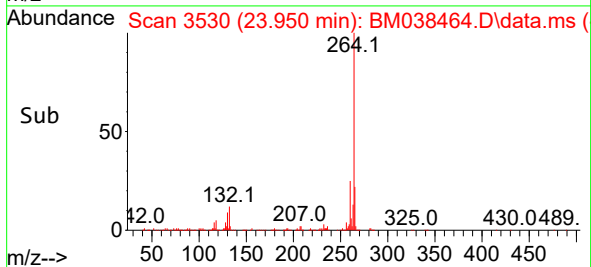
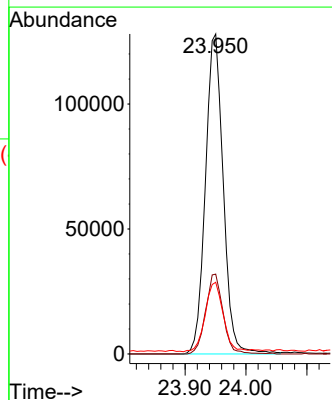
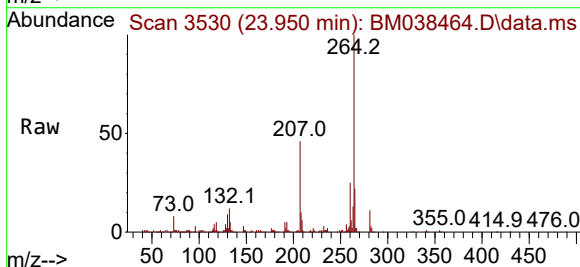
RT: 23.950 min Scan# 3530

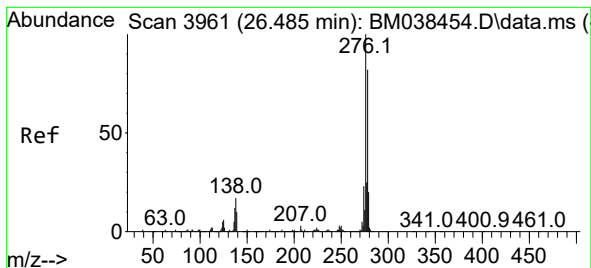
Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:264	Resp:	260850
Ion Ratio	Lower	Upper
264	100	
260	25.0	18.2 27.4
265	22.4	17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.430 ng

RT: 26.462 min Scan# 3957

Delta R.T. -0.024 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

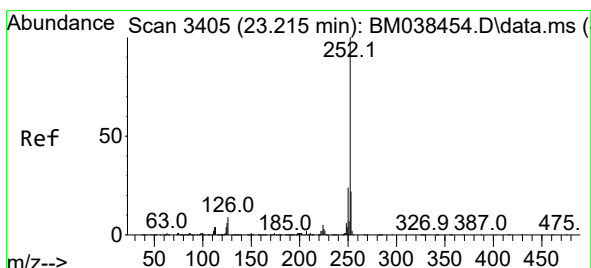
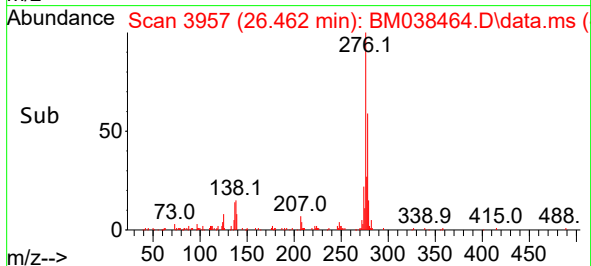
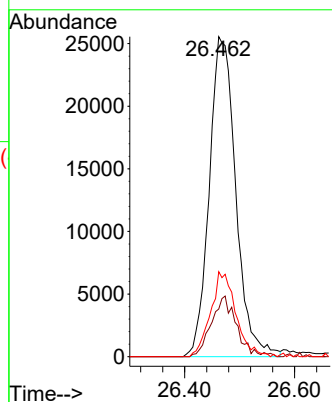
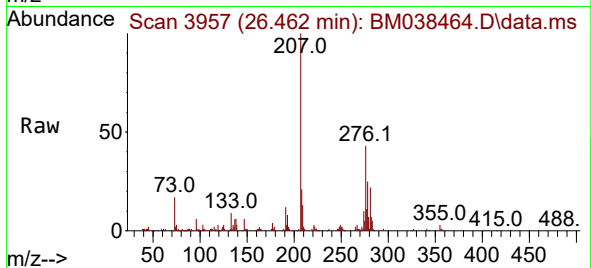
Tgt Ion:276 Resp: 85525

Ion Ratio Lower Upper

276 100

138 17.6 13.4 20.2

277 25.2 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 4.634 ng

RT: 23.203 min Scan# 3403

Delta R.T. -0.012 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

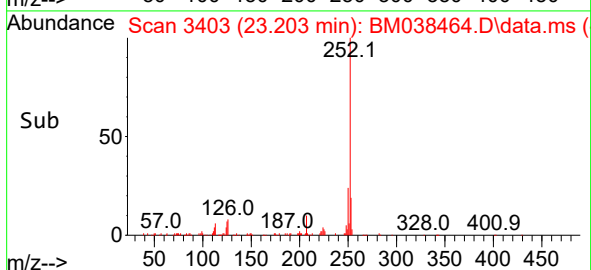
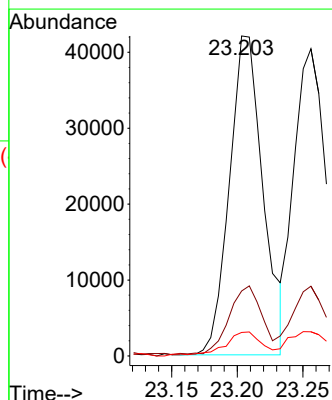
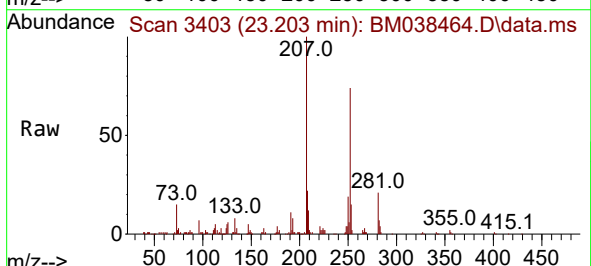
Tgt Ion:252 Resp: 74958

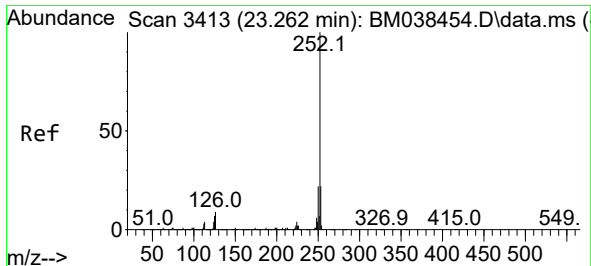
Ion Ratio Lower Upper

252 100

253 20.3 17.8 26.6

125 7.3 5.1 7.7

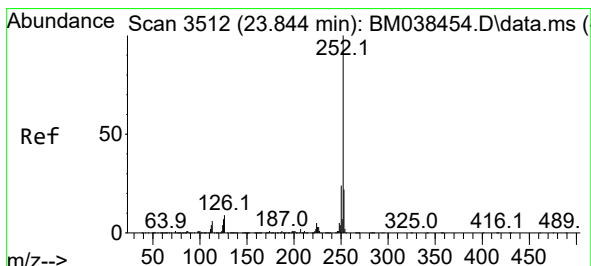
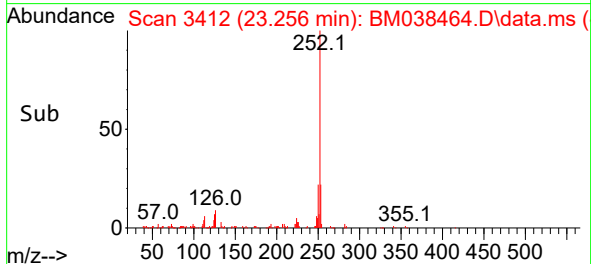
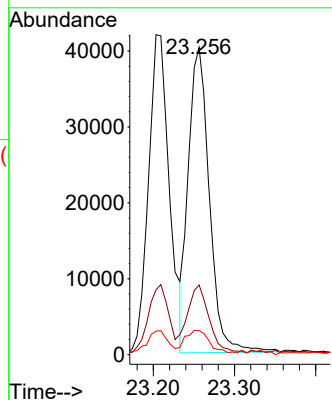
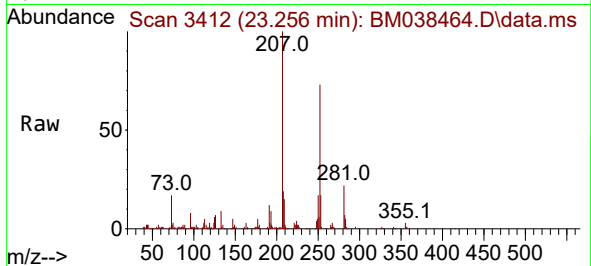




#89
Benzo(k)fluoranthene
Concen: 4.334 ng
RT: 23.256 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

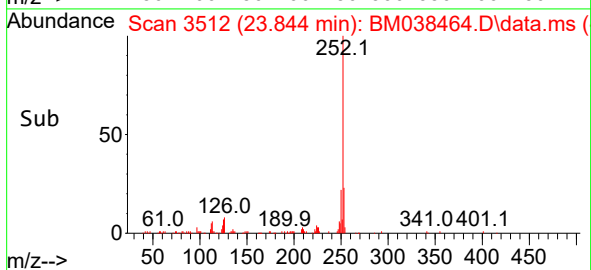
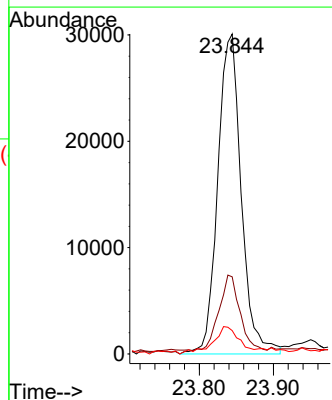
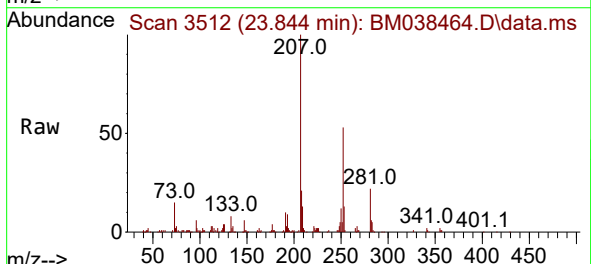
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

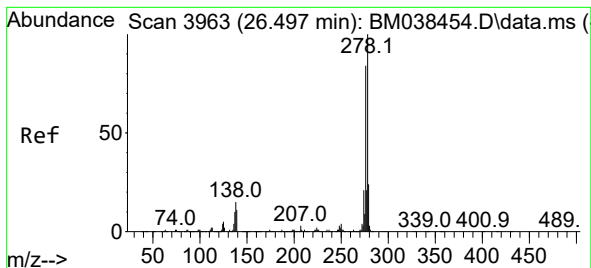
Tgt Ion:252 Resp: 72492
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.9 5.5 8.3



#90
Benzo(a)pyrene
Concen: 4.177 ng
RT: 23.844 min Scan# 3512
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:252 Resp: 66295
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 7.3 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 4.541 ng

RT: 26.480 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

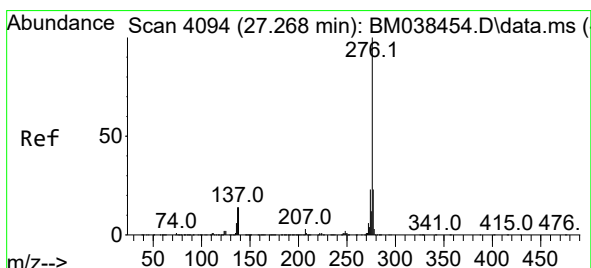
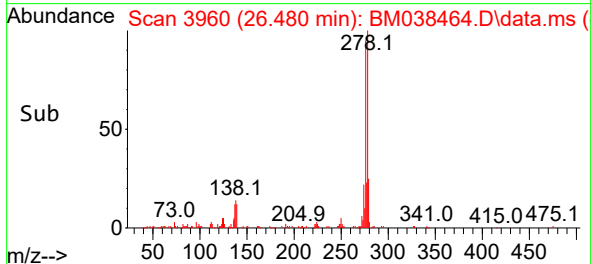
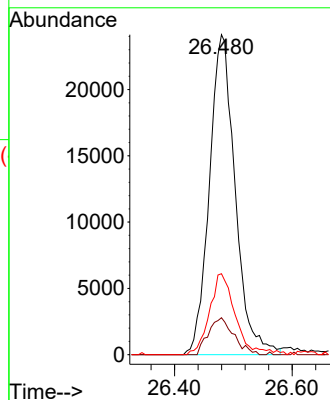
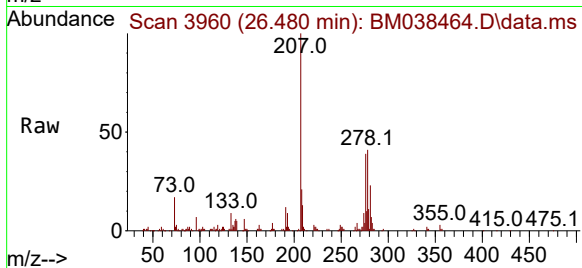
Tgt Ion:278 Resp: 73561

Ion Ratio Lower Upper

278 100

139 11.6 8.4 12.6

279 25.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 4.767 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.024 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:276 Resp: 76607

Ion Ratio Lower Upper

276 100

277 26.1 18.6 27.8

138 16.0 11.3 16.9

