

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
 Data File : BM038513.D
 Acq On : 23 Jan 2023 17:49
 Operator : CG/JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Jan 24 05:14:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	55712	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	183253	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	115162	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	267778	20.000	ng	# 0.00
76) Chrysene-d12	21.515	240	293590	20.000	ng	0.00
86) Perylene-d12	23.933	264	374173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	411607	122.135	ng	0.00
7) Phenol-d6	7.128	99	509934	118.594	ng	0.00
23) Nitrobenzene-d5	9.140	82	335415	79.483	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	230717	139.123	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	764715	81.797	ng	0.00
79) Terphenyl-d14	19.957	244	1225740	81.392	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.375	88	6403	4.051	ng	93
3) Pyridine	3.816	79	8521	2.052	ng	# 85
4) n-Nitrosodimethylamine	3.711	42	6571	3.334	ng	# 85
6) Aniline	7.293	93	18162	3.403	ng	# 92
8) 2-Chlorophenol	7.522	128	12809	3.721	ng	96
9) Benzaldehyde	7.104	77	14796	5.801	ng	91
10) Phenol	7.152	94	17131	3.987	ng	90
11) bis(2-Chloroethyl)ether	7.387	93	12754	3.762	ng	97
12) 1,3-Dichlorobenzene	7.846	146	14910	3.809	ng	97
13) 1,4-Dichlorobenzene	7.999	146	16131	4.079	ng	98
14) 1,2-Dichlorobenzene	8.316	146	15203	3.969	ng	99
15) Benzyl Alcohol	8.216	79	11163	3.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.493	45	13069	3.671	ng	87
17) 2-Methylphenol	8.410	107	9925	3.264	ng	97
18) Hexachloroethane	9.040	117	5674	3.859	ng	# 81
19) n-Nitroso-di-n-propyla...	8.775	70	10371	3.374	ng	93
20) 3+4-Methylphenols	8.740	107	13308	3.265	ng	95
22) Acetophenone	8.798	105	19263	3.816	ng	# 98
24) Nitrobenzene	9.181	77	16557	3.878	ng	91
25) Isophorone	9.704	82	25306	3.634	ng	97
26) 2-Nitrophenol	9.898	139	5317	3.137	ng	93
27) 2,4-Dimethylphenol	9.951	122	9523	3.376	ng	94
28) bis(2-Chloroethoxy)met...	10.187	93	14804	3.634	ng	98
29) 2,4-Dichlorophenol	10.428	162	10762	3.252	ng	94
30) 1,2,4-Trichlorobenzene	10.640	180	14810	3.913	ng	92
31) Naphthalene	10.828	128	35533	3.569	ng	97
32) Benzoic acid	10.034	122	2449	6.569	ng	93
33) 4-Chloroaniline	10.951	127	13414	3.228	ng	# 89
34) Hexachlorobutadiene	11.098	225	10004	4.019	ng	95
35) Caprolactam	11.728	113	2202	2.745	ng	# 65
36) 4-Chloro-3-methylphenol	12.063	107	9866	3.279	ng	94
37) 2-Methylnaphthalene	12.434	142	24443	3.416	ng	95
38) 1-Methylnaphthalene	12.434	142	24443	3.622	ng	92
40) 1,2,4,5-Tetrachloroben...	12.798	216	17356	4.006	ng	97
41) Hexachlorocyclopentadiene	12.769	237	8849	3.717	ng	90
43) 2,4,6-Trichlorophenol	13.039	196	9101	3.282	ng	96

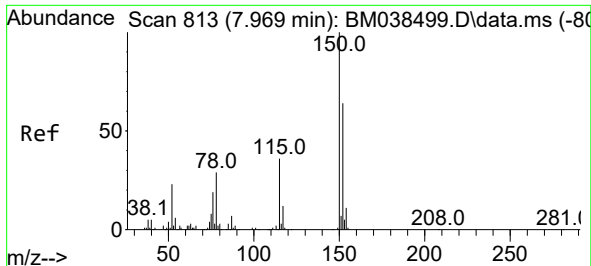
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 QLast Update : Sat Jan 21 01:21:49 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	10676	3.287	ng	98
46) 1,1'-Biphenyl	13.439	154	34285	3.717	ng	97
47) 2-Chloronaphthalene	13.480	162	27655	3.841	ng	97
48) 2-Nitroaniline	13.698	65	5900	2.790	ng	95
49) Acenaphthylene	14.322	152	37411	3.321	ng	99
50) Dimethylphthalate	14.057	163	32201	3.632	ng	99
51) 2,6-Dinitrotoluene	14.186	165	5672	3.040	ng	96
52) Acenaphthene	14.663	154	23655	3.443	ng	98
53) 3-Nitroaniline	14.522	138	4709	2.540	ng	94
54) 2,4-Dinitrophenol	14.733	184	2606	6.545	ng	91
55) Dibenzofuran	14.998	168	41238	3.590	ng	91
56) 4-Nitrophenol	14.827	139	3500	2.292	ng	90
57) 2,4-Dinitrotoluene	14.975	165	7289	2.882	ng #	94
58) Fluorene	15.645	166	31239	3.354	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.227	232	8419	3.171	ng #	95
60) Diethylphthalate	15.410	149	29294	3.374	ng	96
61) 4-Chlorophenyl-phenyle...	15.633	204	17490	3.577	ng	96
62) 4-Nitroaniline	15.680	138	4713	5.454	ng	92
63) Azobenzene	15.927	77	29376	3.194	ng	97
65) 4,6-Dinitro-2-methylph...	15.733	198	4237	2.438	ng	91
66) n-Nitrosodiphenylamine	15.851	169	26161	3.254	ng	98
67) 4-Bromophenyl-phenylether	16.533	248	10814	3.641	ng	97
68) Hexachlorobenzene	16.645	284	13146	4.102	ng	96
69) Atrazine	16.804	200	9524	3.551	ng	89
70) Pentachlorophenol	16.992	266	6148	2.694	ng	92
71) Phenanthrene	17.386	178	52534	3.513	ng	99
72) Anthracene	17.474	178	49954	3.283	ng	97
73) Carbazole	17.751	167	43798	3.268	ng	98
74) Di-n-butylphthalate	18.298	149	43116	2.929	ng #	97
75) Fluoranthene	19.398	202	61508	3.422	ng	96
77) Benzidine	19.586	184	23591	3.526	ng	97
78) Pyrene	19.757	202	66093	3.233	ng	99
80) Butylbenzylphthalate	20.645	149	19500	2.758	ng	94
81) Benzo(a)anthracene	21.504	228	75580	3.633	ng	97
82) 3,3'-Dichlorobenzidine	21.439	252	25860	3.870	ng #	98
83) Chrysene	21.556	228	73771	3.626	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	28263	2.759	ng #	95
85) Di-n-octyl phthalate	22.339	149	51955	2.852	ng #	95
87) Indeno(1,2,3-cd)pyrene	26.444	276	96597	3.489	ng	96
88) Benzo(b)fluoranthene	23.192	252	81000	3.589	ng	98
89) Benzo(k)fluoranthene	23.239	252	83141	3.560	ng	97
90) Benzo(a)pyrene	23.821	252	73003	3.262	ng	96
91) Dibenzo(a,h)anthracene	26.456	278	83795	3.636	ng	98
92) Benzo(g,h,i)perylene	27.215	276	86243	3.653	ng	97

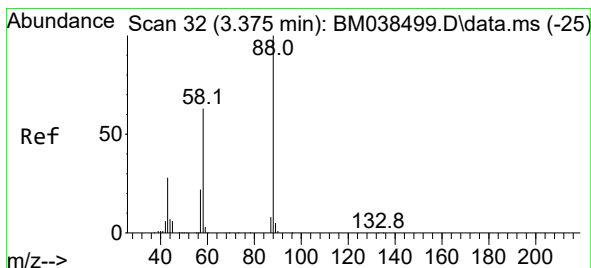
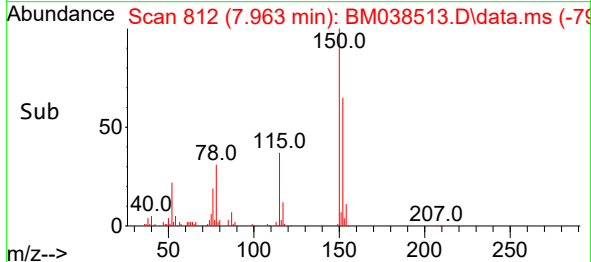
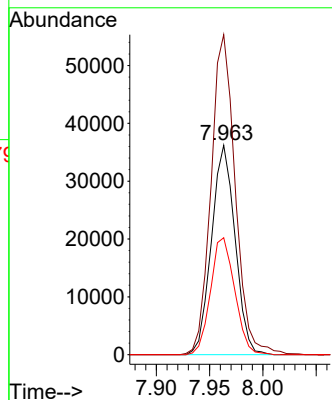
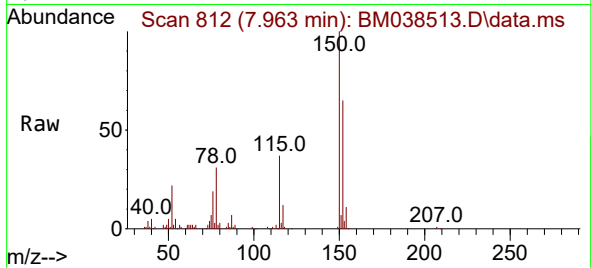
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

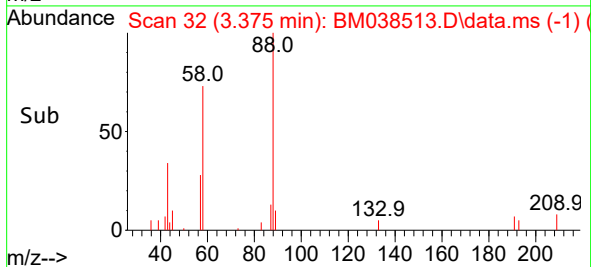
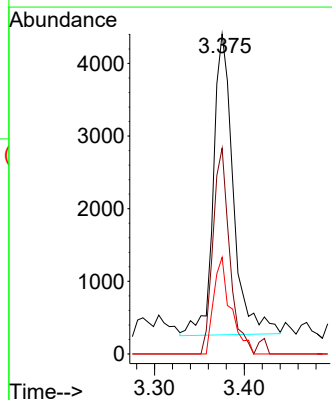
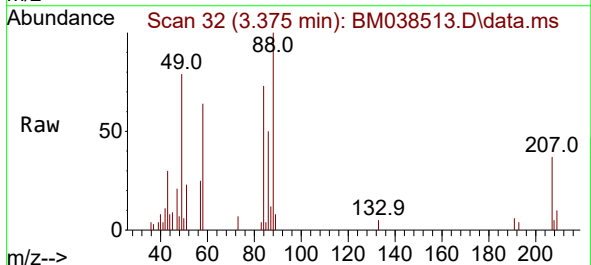
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

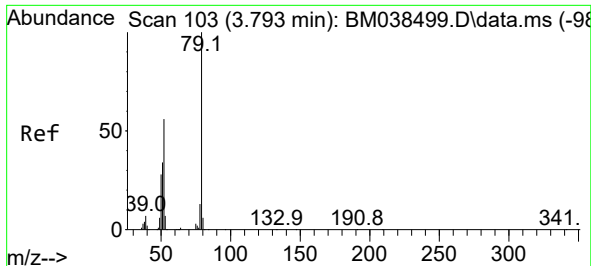
Tgt Ion:152 Resp: 55712
Ion Ratio Lower Upper
152 100
150 152.8 124.2 186.4
115 55.9 44.8 67.2



#2
1,4-Dioxane
Concen: 4.051 ng
RT: 3.375 min Scan# 32
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 88 Resp: 6403
Ion Ratio Lower Upper
88 100
58 56.9 50.5 75.7
43 27.3 23.9 35.9

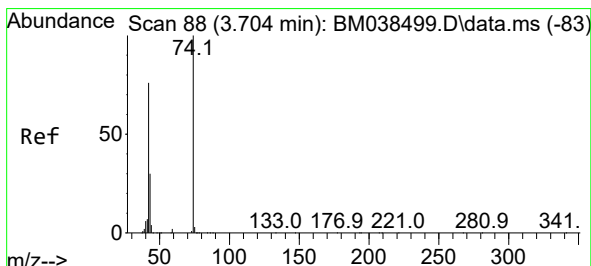
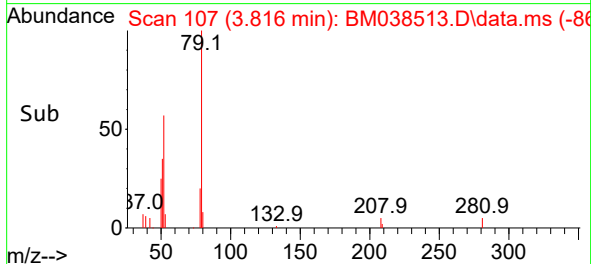
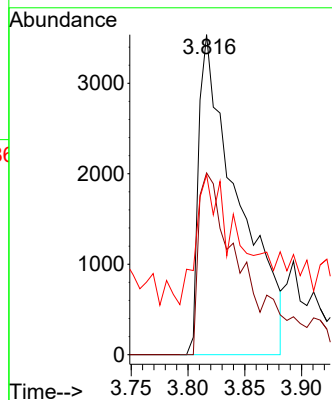
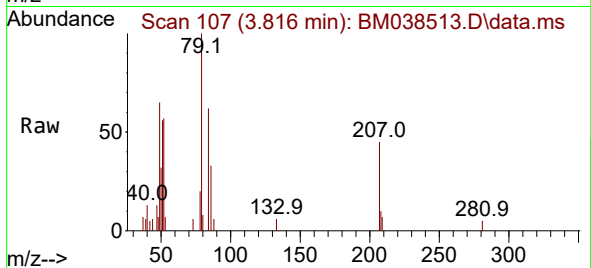




#3
Pyridine
Concen: 2.052 ng
RT: 3.816 min Scan# 103
Delta R.T. 0.024 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

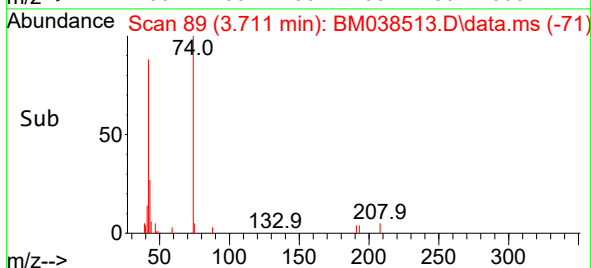
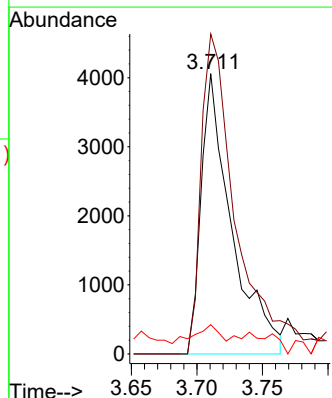
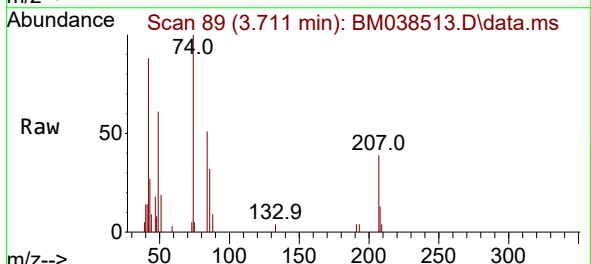
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

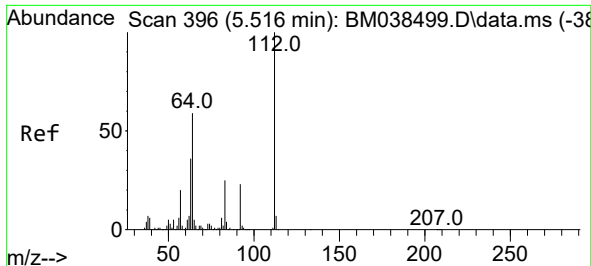
Tgt Ion: 79 Resp: 8521
Ion Ratio Lower Upper
79 100
52 56.8 45.0 67.4
51 56.2 27.1 40.7#



#4
n-Nitrosodimethylamine
Concen: 3.334 ng
RT: 3.711 min Scan# 89
Delta R.T. 0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 42 Resp: 6571
Ion Ratio Lower Upper
42 100
74 114.2 105.0 157.4
44 10.4 4.1 6.1#

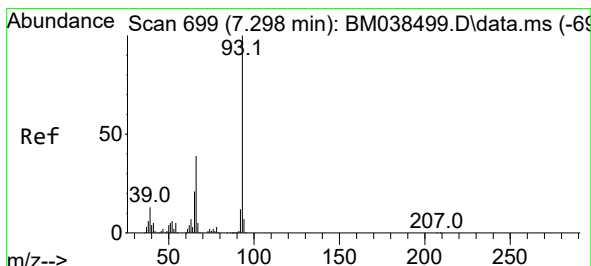
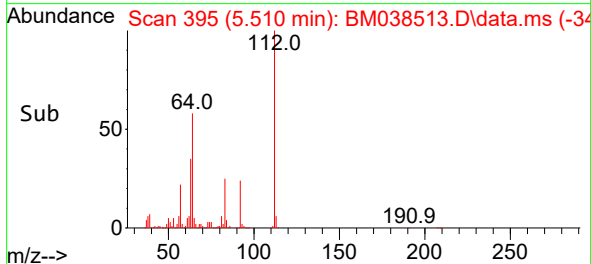
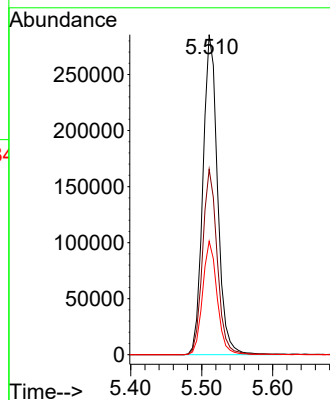
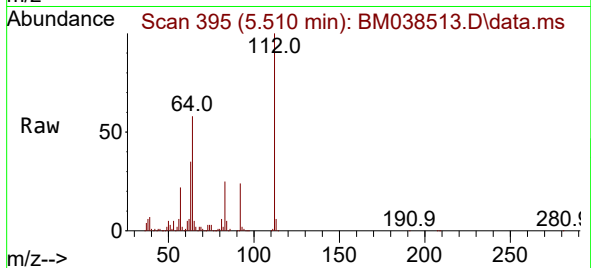




#5
2-Fluorophenol
Concen: 122.135 ng
RT: 5.510 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

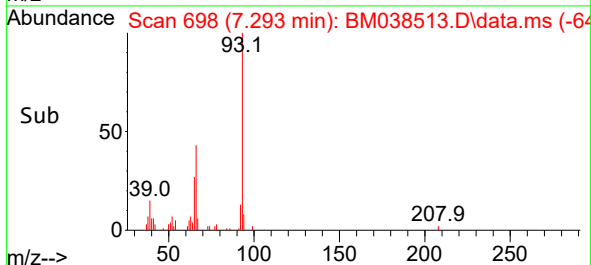
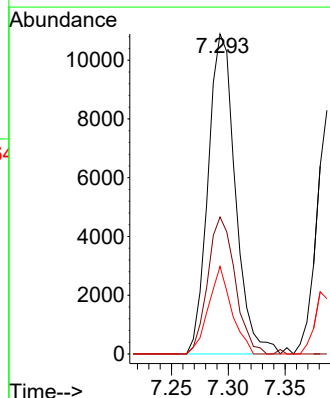
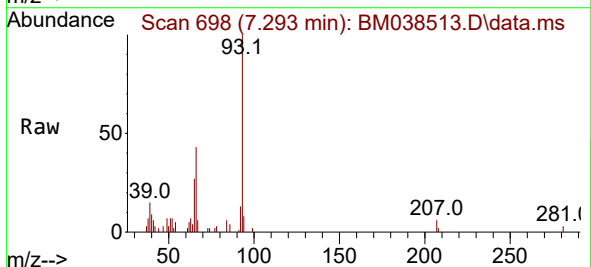
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ClientSampleId :
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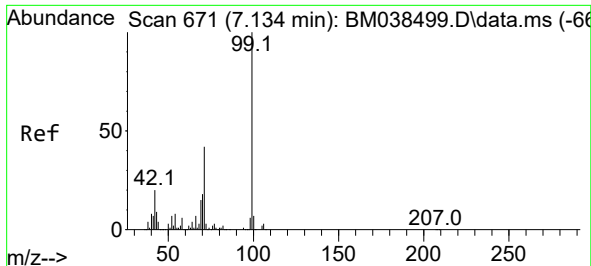
Tgt Ion:112 Resp: 411607
Ion Ratio Lower Upper
112 100
64 58.0 47.3 70.9
63 35.5 28.8 43.2



#6
Aniline
Concen: 3.403 ng
RT: 7.293 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 93 Resp: 18162
Ion Ratio Lower Upper
93 100
66 42.8 31.6 47.4
65 27.3 16.6 24.8#

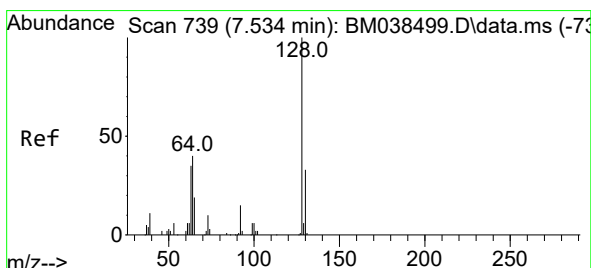
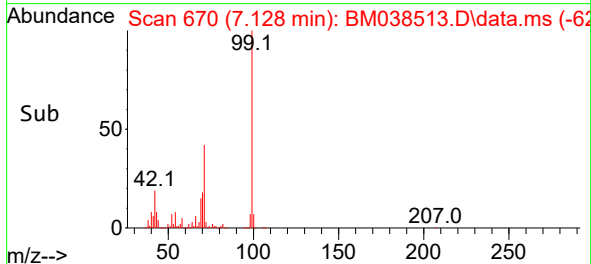
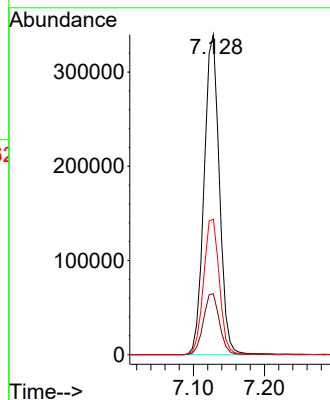
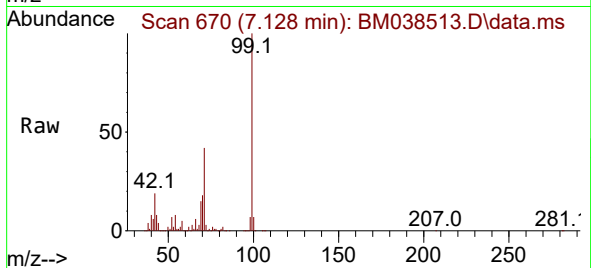




#7
Phenol-d6
Concen: 118.594 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

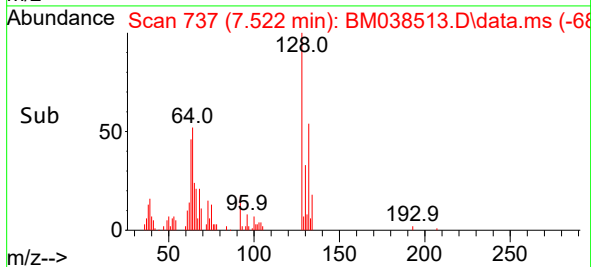
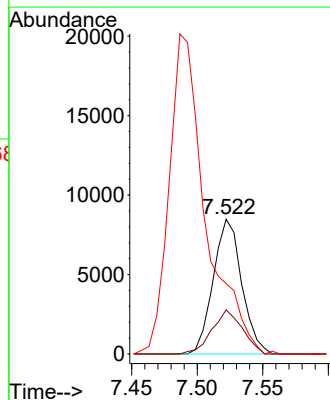
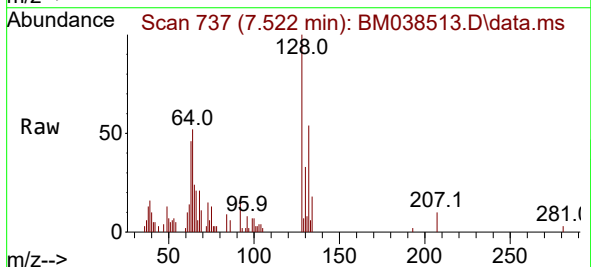
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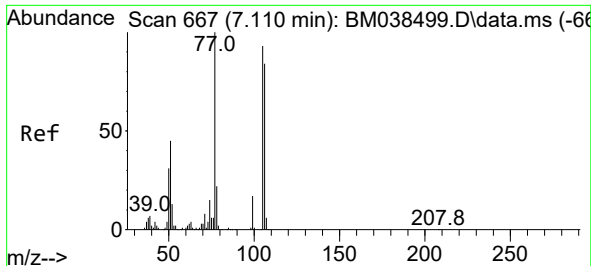
Tgt Ion: 99 Resp: 509934
Ion Ratio Lower Upper
99 100
42 19.0 16.0 24.0
71 42.3 33.8 50.6



#8
2-Chlorophenol
Concen: 3.721 ng
RT: 7.522 min Scan# 737
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:128 Resp: 12809
Ion Ratio Lower Upper
128 100
130 32.8 13.2 53.2
64 52.2 27.7 67.7

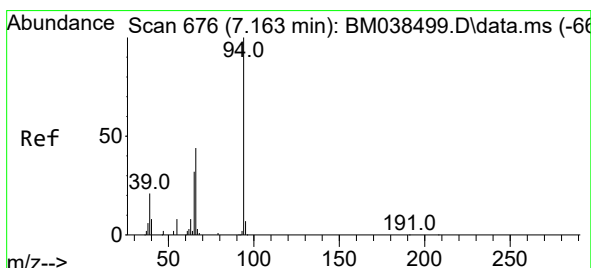
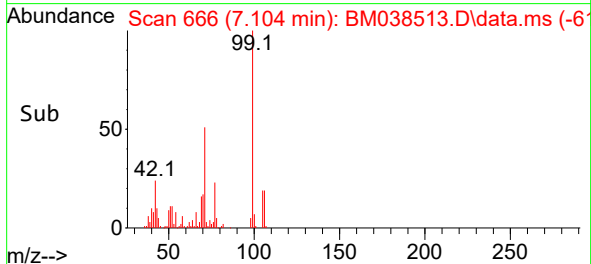
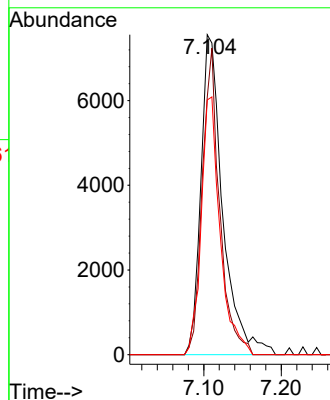
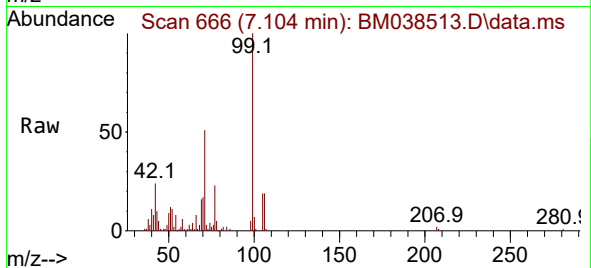




#9
Benzaldehyde
Concen: 5.801 ng
RT: 7.104 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

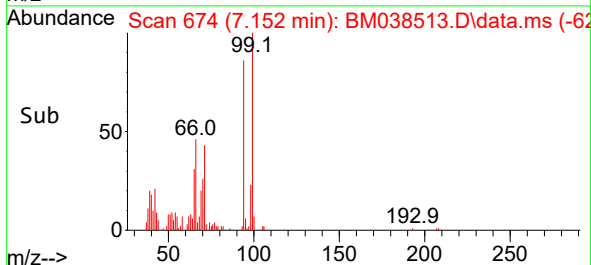
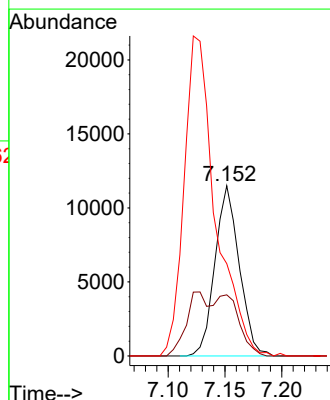
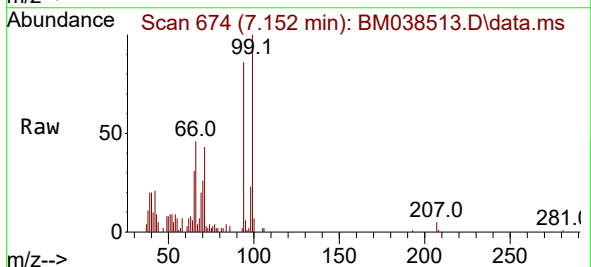
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

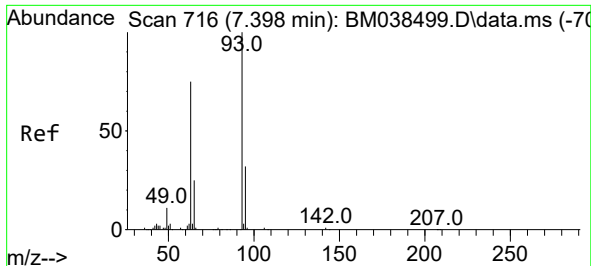
Tgt Ion: 77 Resp: 14796
Ion Ratio Lower Upper
77 100
105 80.4 72.9 112.9
106 79.6 63.8 103.8



#10
Phenol
Concen: 3.987 ng
RT: 7.152 min Scan# 674
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 94 Resp: 17131
Ion Ratio Lower Upper
94 100
65 35.9 12.7 52.7
66 54.2 26.0 66.0

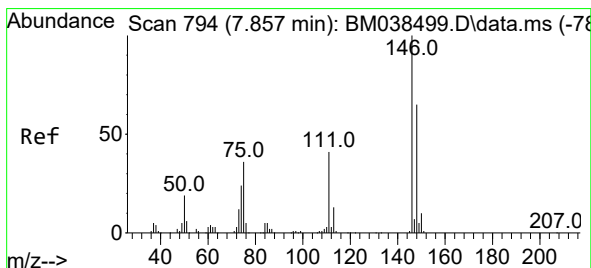
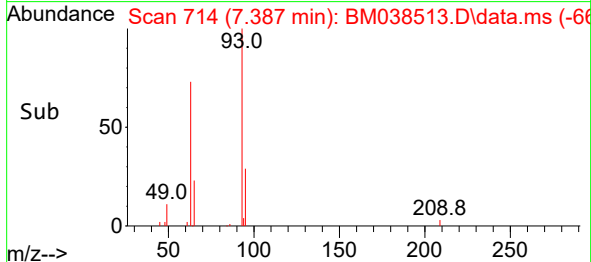
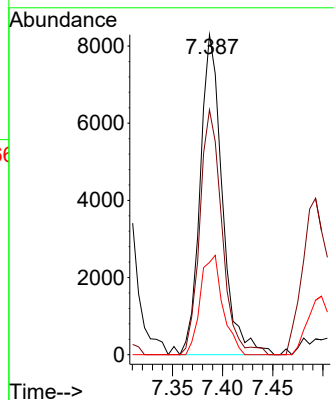
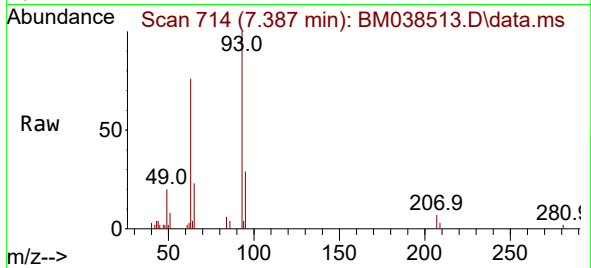




#11
bis(2-Chloroethyl)ether
Concen: 3.762 ng
RT: 7.387 min Scan# 716
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

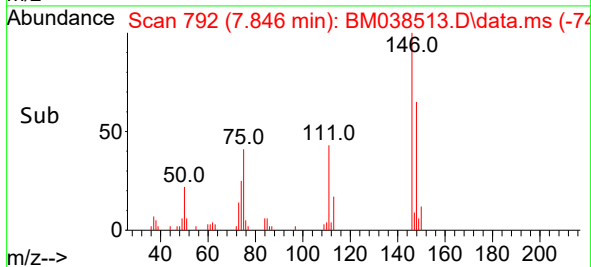
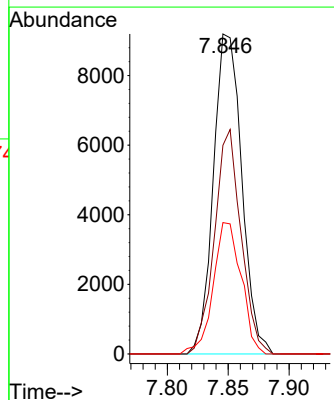
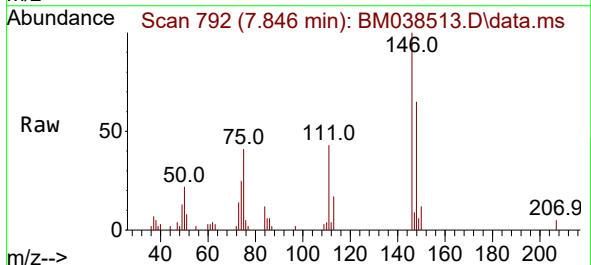
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

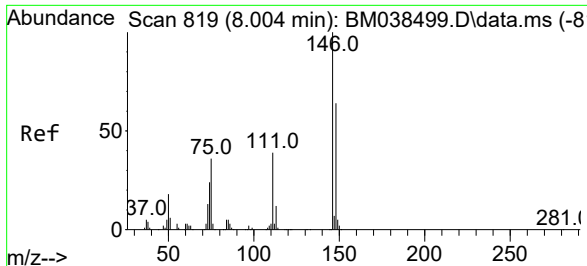
Tgt Ion: 93	Resp: 12754
Ion Ratio	Lower Upper
93 100	
63 76.5	54.4 94.4
95 28.8	11.4 51.4



#12
1,3-Dichlorobenzene
Concen: 3.809 ng
RT: 7.846 min Scan# 792
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 146	Resp: 14910
Ion Ratio	Lower Upper
146 100	
148 65.2	52.1 78.1
75 41.1	28.7 43.1

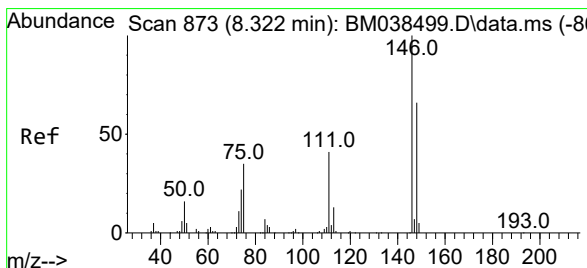
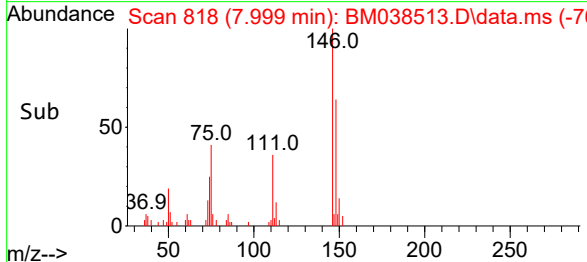
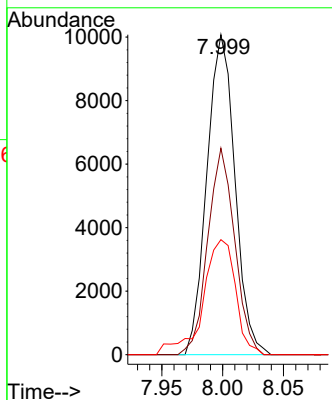
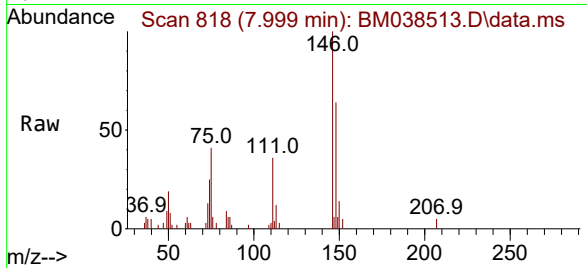




#13
1,4-Dichlorobenzene
Concen: 4.079 ng
RT: 7.999 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

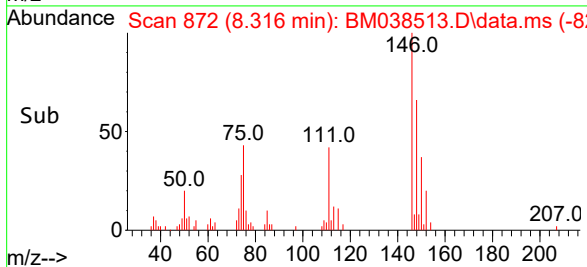
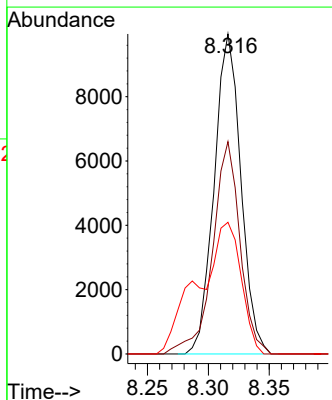
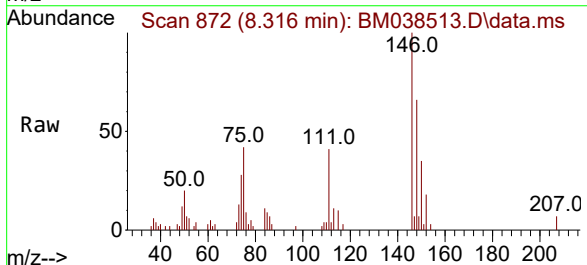
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

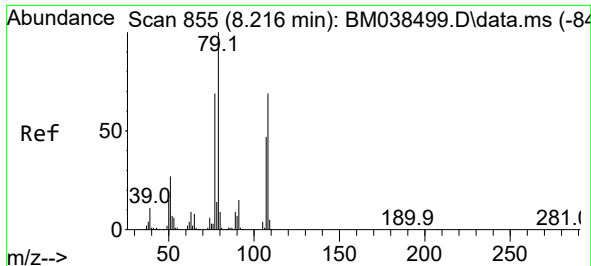
Tgt Ion:146 Resp: 16131
Ion Ratio Lower Upper
146 100
148 64.5 51.3 76.9
111 35.9 31.4 47.0



#14
1,2-Dichlorobenzene
Concen: 3.969 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:146 Resp: 15203
Ion Ratio Lower Upper
146 100
148 66.3 52.7 79.1
111 41.2 33.2 49.8

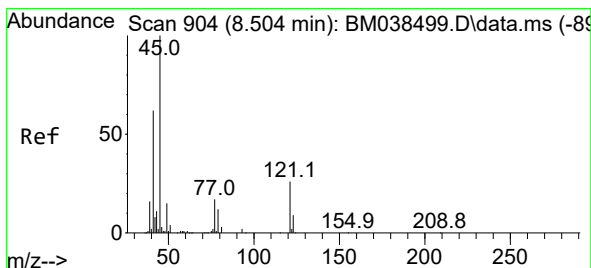
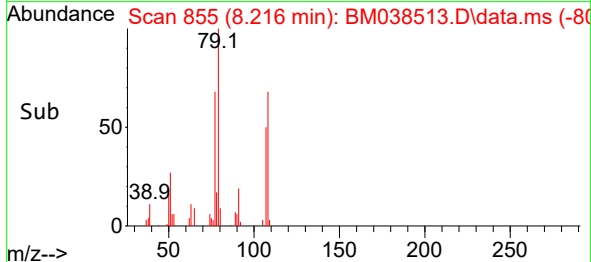
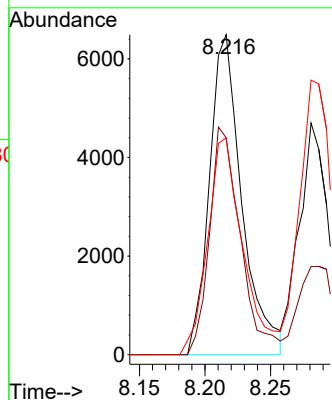
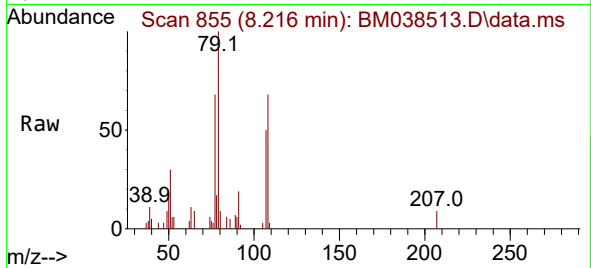




#15
Benzyl Alcohol
Concen: 3.472 ng
RT: 8.216 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

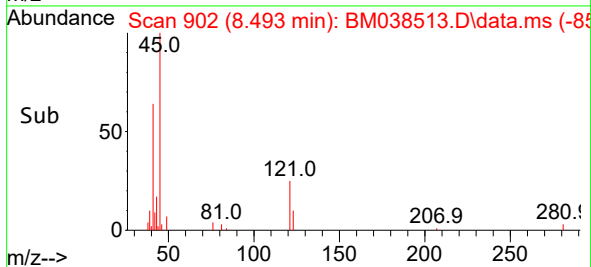
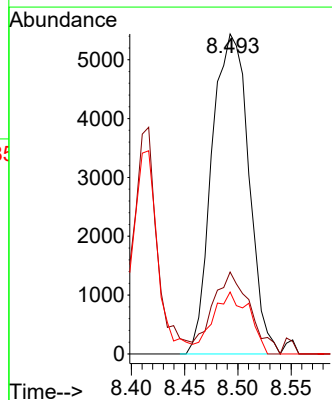
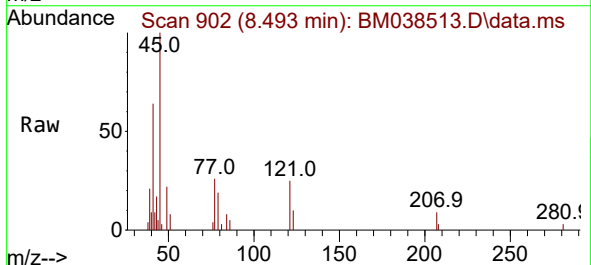
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

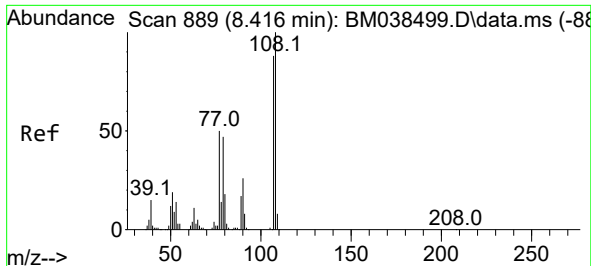
Tgt Ion: 79 Resp: 11163
Ion Ratio Lower Upper
79 100
108 67.8 55.0 82.6
77 67.8 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.671 ng
RT: 8.493 min Scan# 902
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 45 Resp: 13069
Ion Ratio Lower Upper
45 100
77 25.6 0.0 39.2
79 19.3 0.0 34.9

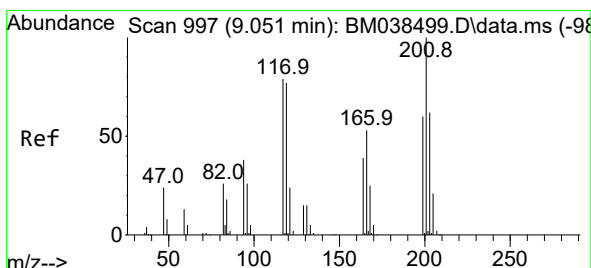
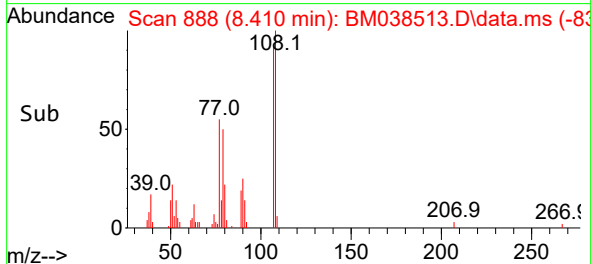
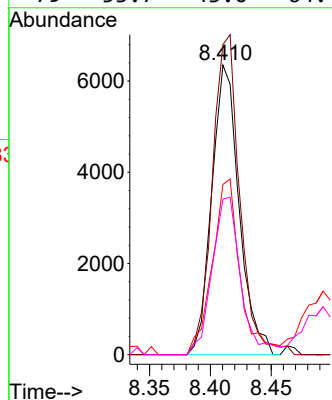
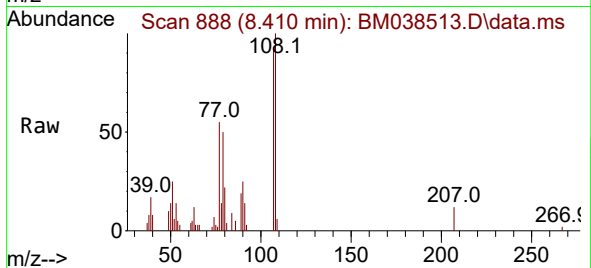




#17
2-Methylphenol
Concen: 3.264 ng
RT: 8.410 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

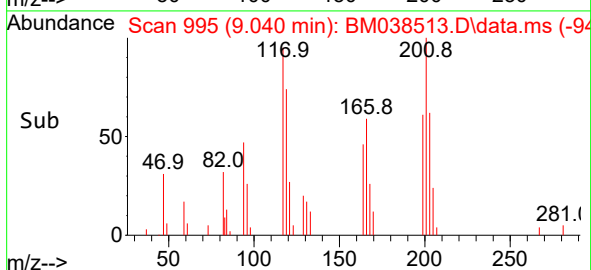
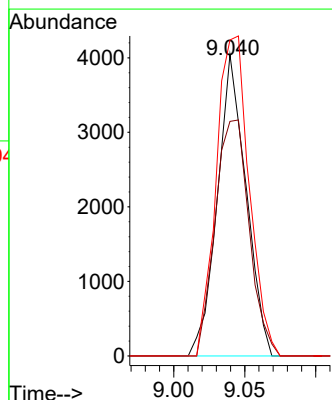
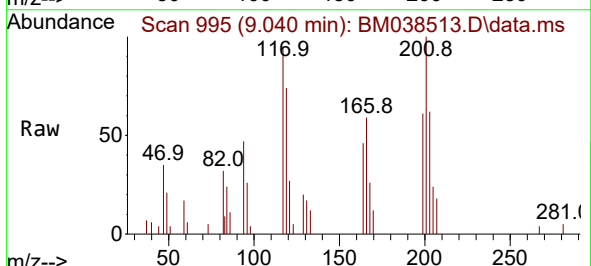
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

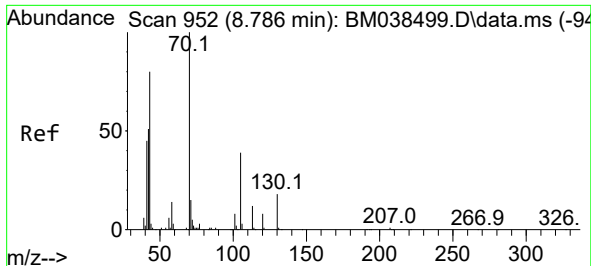
Tgt Ion:	107	Resp:	9925
Ion	Ratio	Lower	Upper
107	100		
108	107.0	90.8	136.2
77	58.8	46.1	69.1
79	53.7	43.0	64.4



#18
Hexachloroethane
Concen: 3.859 ng
RT: 9.040 min Scan# 995
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:	117	Resp:	5674
Ion	Ratio	Lower	Upper
117	100		
119	77.8	77.9	116.9#
201	104.8	100.6	151.0

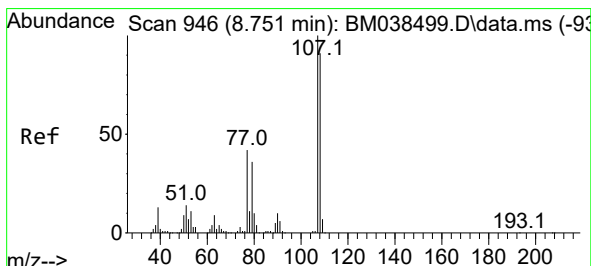
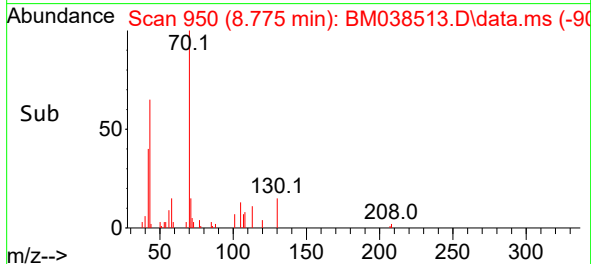
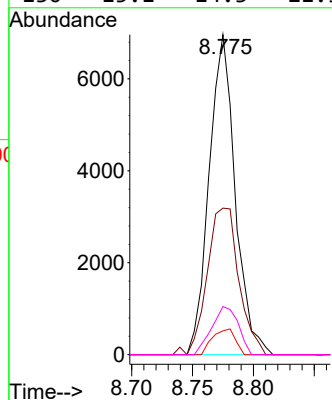
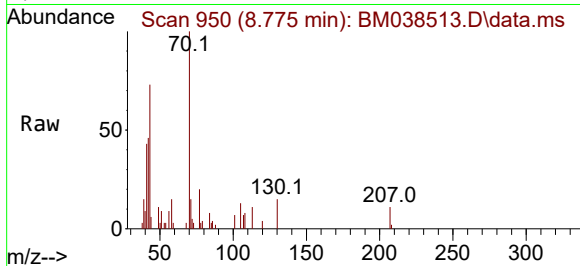




#19
n-Nitroso-di-n-propylamine
Concen: 3.374 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

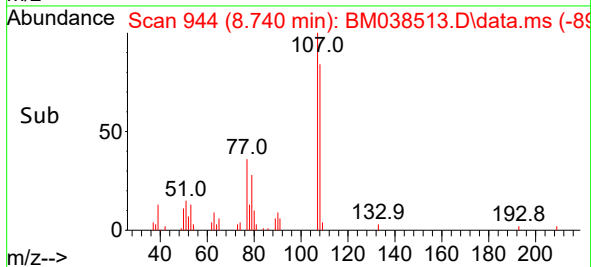
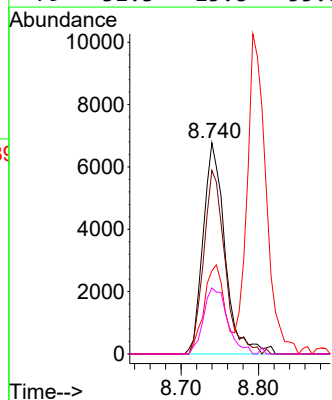
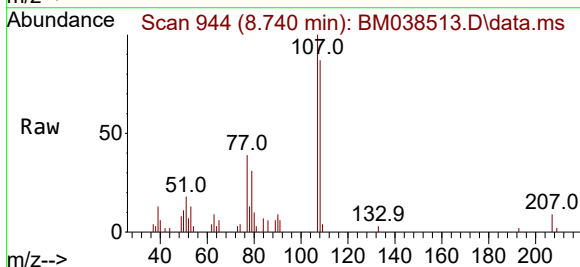
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

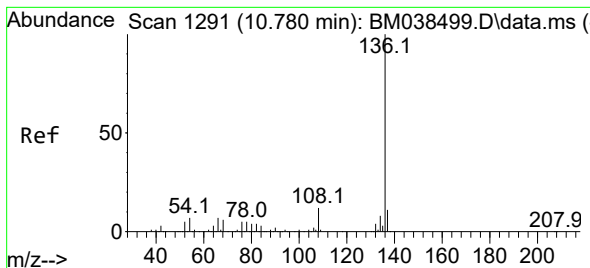
Tgt Ion:	70	Resp:	10371
Ion	Ratio	Lower	Upper
70	100		
42	45.8	41.4	62.2
101	7.4	6.5	9.7
130	15.1	14.3	21.5



#20
3+4-Methylphenols
Concen: 3.265 ng
RT: 8.740 min Scan# 944
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:	107	Resp:	13308
Ion	Ratio	Lower	Upper
107	100		
108	86.9	70.7	110.7
77	39.4	22.0	62.0
79	31.3	15.8	55.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038513.D

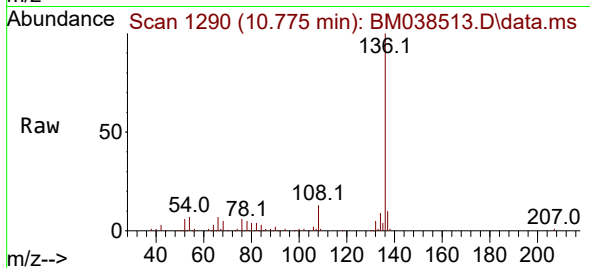
Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:136 Resp: 183253

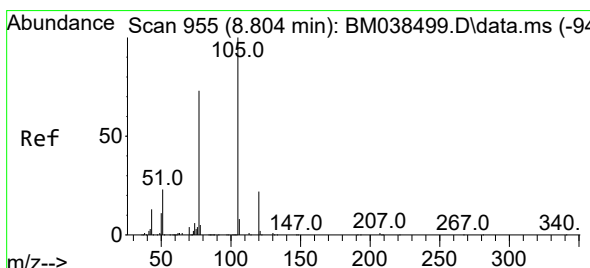
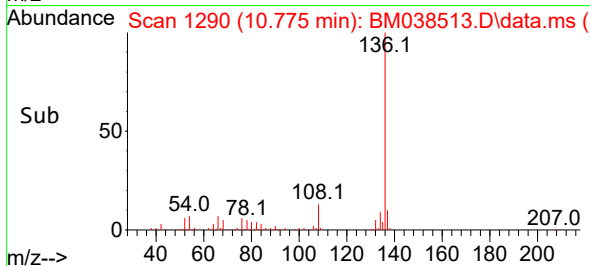
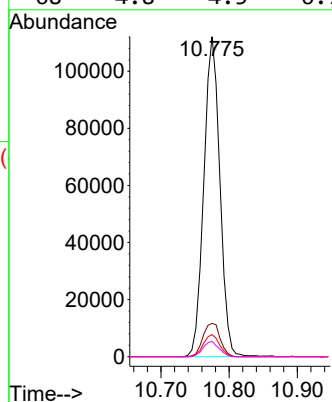
Ion Ratio Lower Upper

136 100

137 10.4 8.4 12.6

54 6.9 6.0 9.0

68 4.8 4.5 6.7



#22

Acetophenone

Concen: 3.816 ng

RT: 8.798 min Scan# 954

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Tgt Ion:105 Resp: 19263

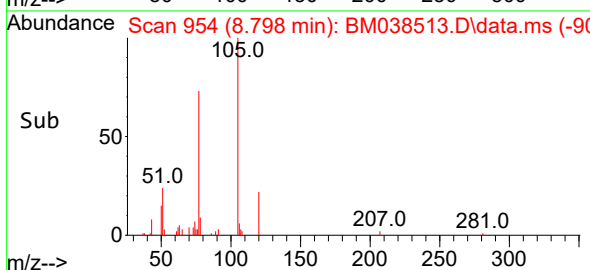
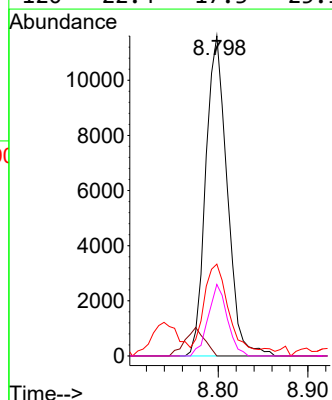
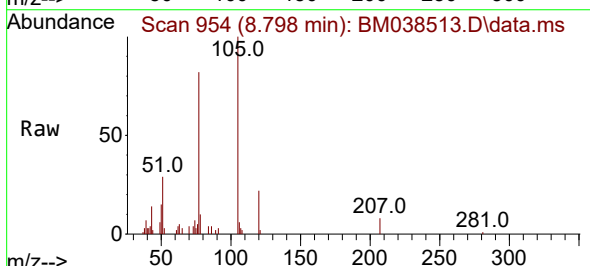
Ion Ratio Lower Upper

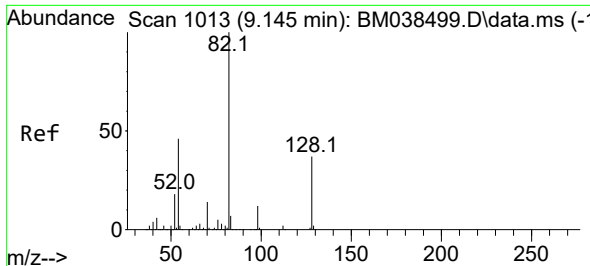
105 100

71 0.0 0.9 1.3#

51 28.7 21.8 32.8

120 22.4 17.3 25.9

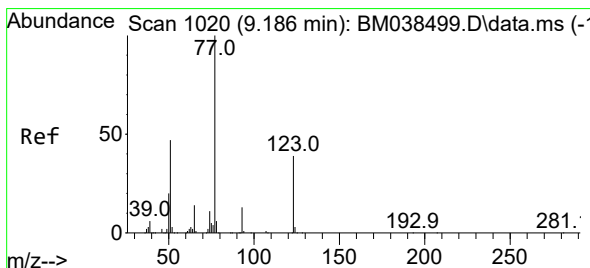
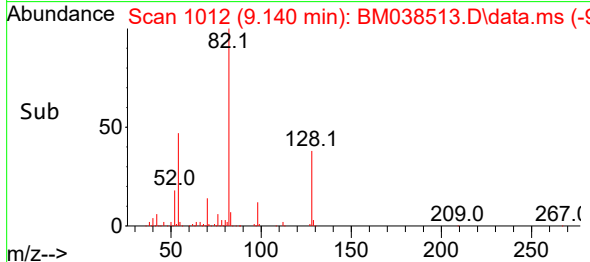
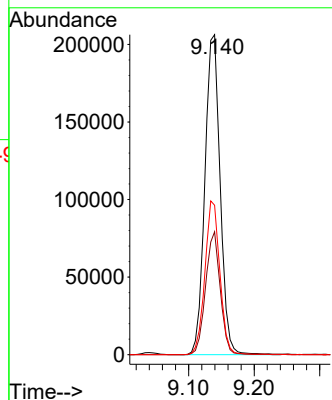
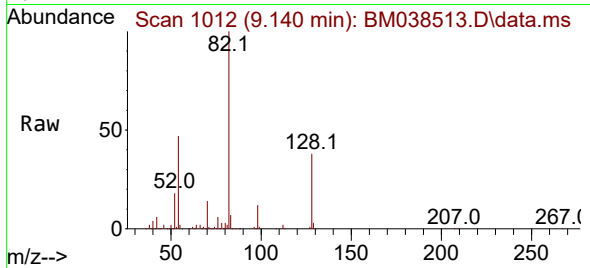




#23
Nitrobenzene-d5
Concen: 79.483 ng
RT: 9.140 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

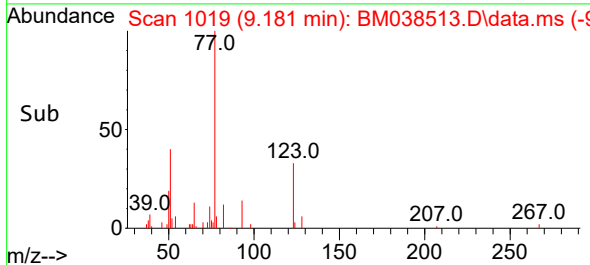
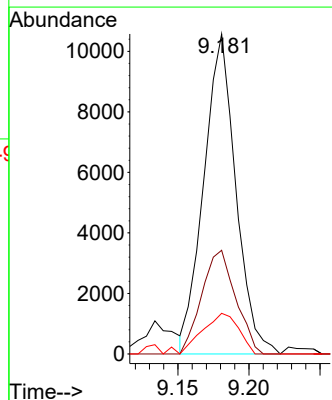
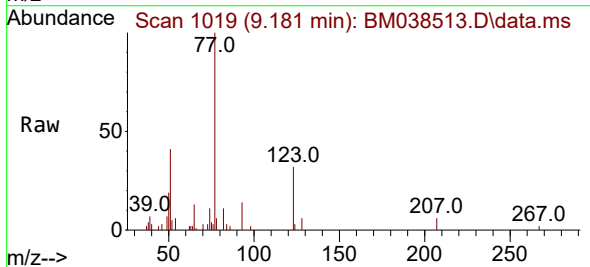
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

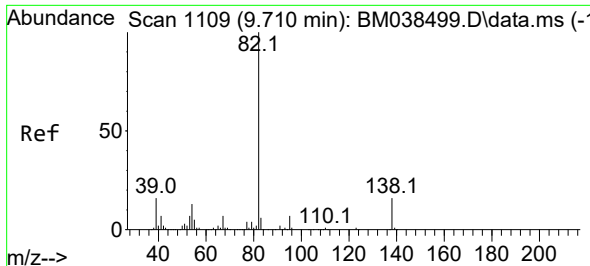
Tgt Ion: 82 Resp: 335415
Ion Ratio Lower Upper
82 100
128 38.4 29.3 43.9
54 46.7 36.9 55.3



#24
Nitrobenzene
Concen: 3.878 ng
RT: 9.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 77 Resp: 16557
Ion Ratio Lower Upper
77 100
123 32.4 31.5 47.3
65 12.7 11.2 16.8

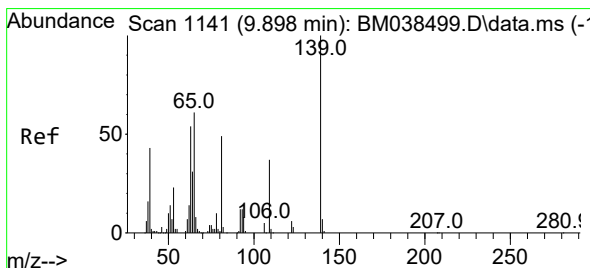
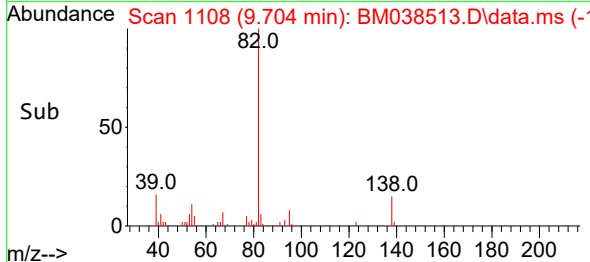
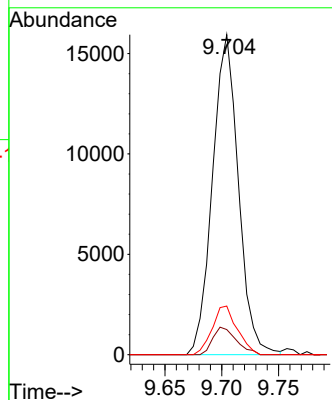
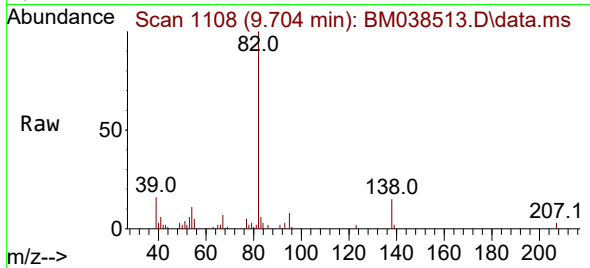




#25
Isophorone
Concen: 3.634 ng
RT: 9.704 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

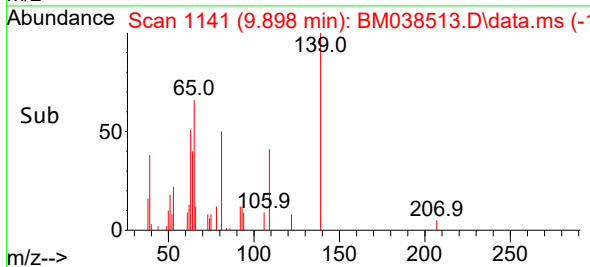
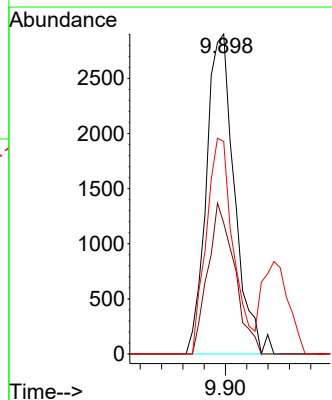
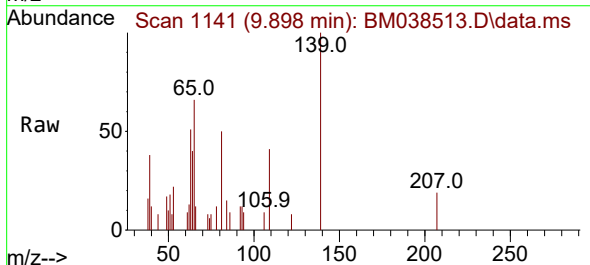
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

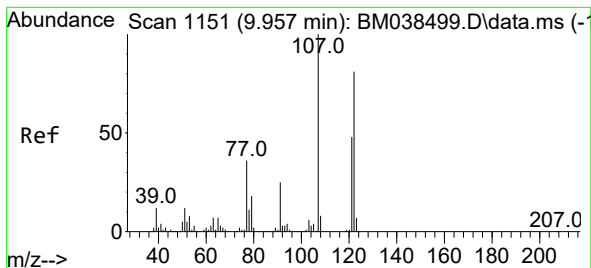
Tgt Ion: 82 Resp: 25306
Ion Ratio Lower Upper
82 100
95 7.9 5.6 8.4
138 15.2 13.2 19.8



#26
2-Nitrophenol
Concen: 3.137 ng
RT: 9.898 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 139 Resp: 5317
Ion Ratio Lower Upper
139 100
109 40.9 29.3 43.9
65 66.4 48.6 72.8

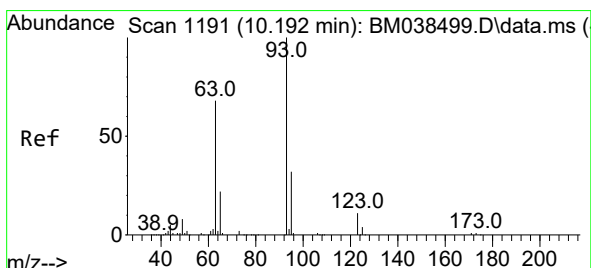
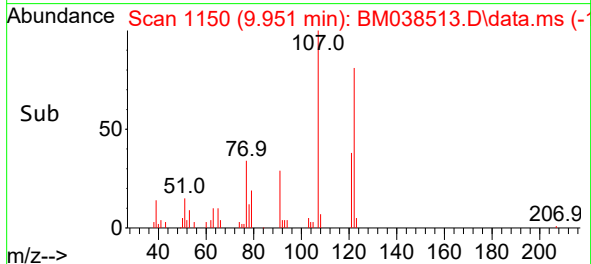
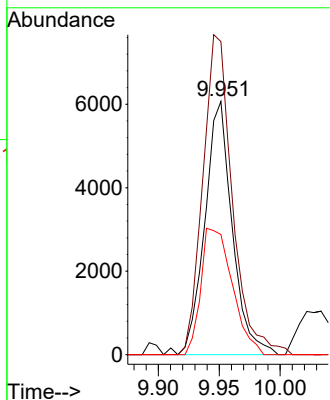
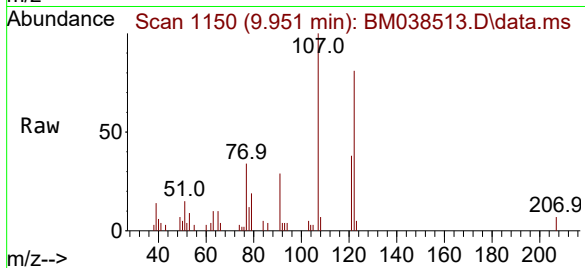




#27
2,4-Dimethylphenol
Concen: 3.376 ng
RT: 9.951 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

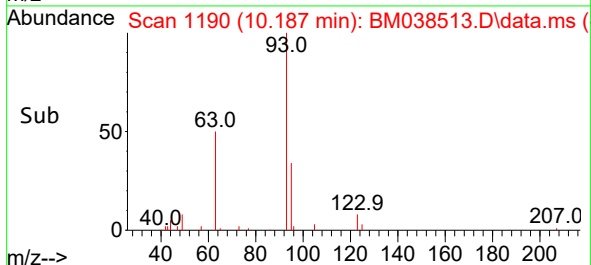
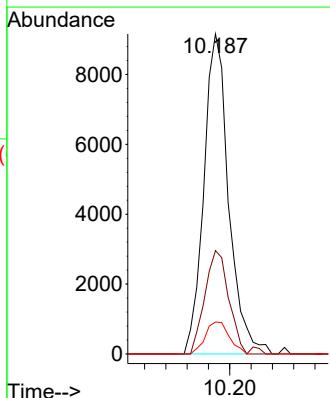
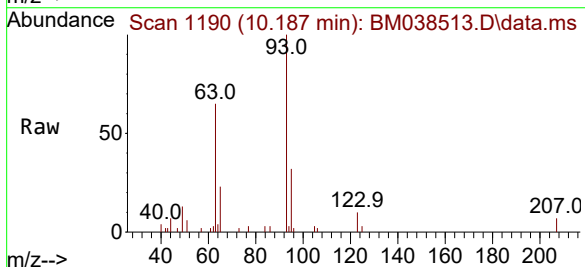
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

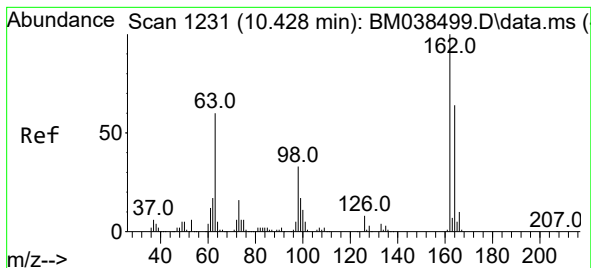
Tgt Ion:122 Resp: 9523
Ion Ratio Lower Upper
122 100
107 123.6 98.2 147.2
121 47.4 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 3.634 ng
RT: 10.187 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion: 93 Resp: 14804
Ion Ratio Lower Upper
93 100
95 32.3 25.3 37.9
123 10.0 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 3.252 ng

RT: 10.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

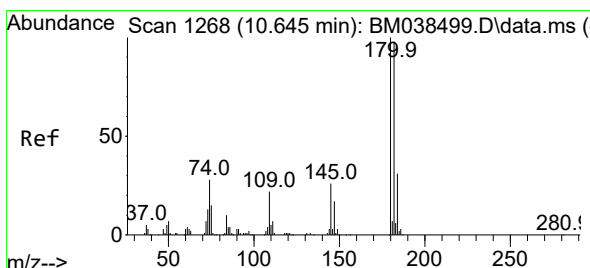
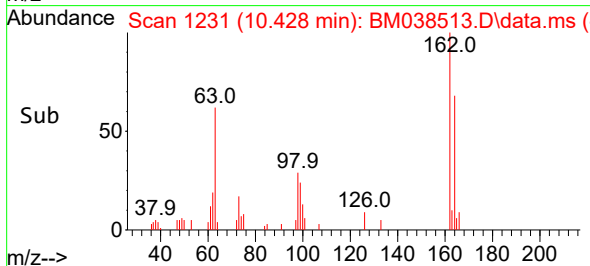
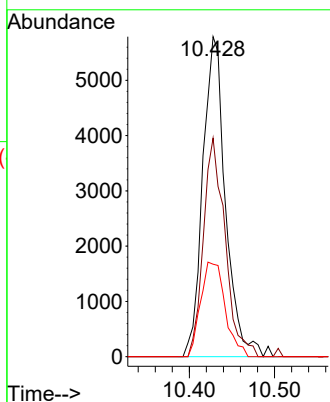
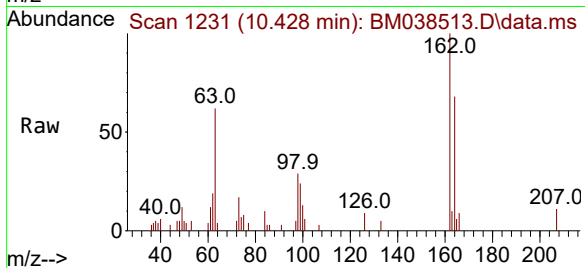
Tgt Ion:162 Resp: 10762

Ion Ratio Lower Upper

162 100

164 68.3 43.7 83.7

98 28.9 12.9 52.9



#30

1,2,4-Trichlorobenzene

Concen: 3.913 ng

RT: 10.640 min Scan# 1267

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

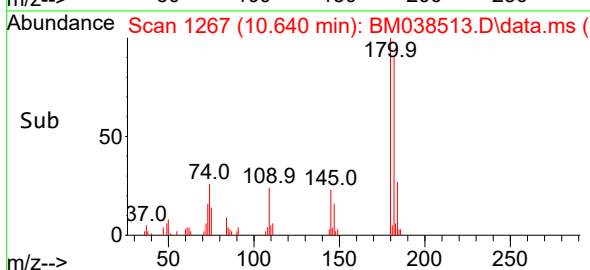
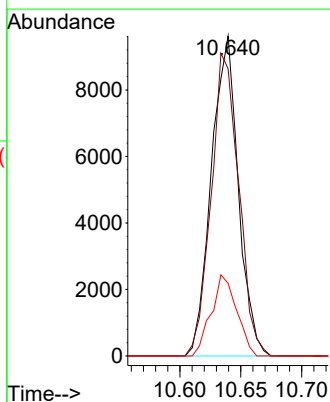
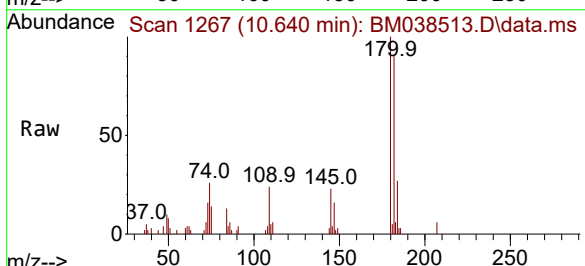
Tgt Ion:180 Resp: 14810

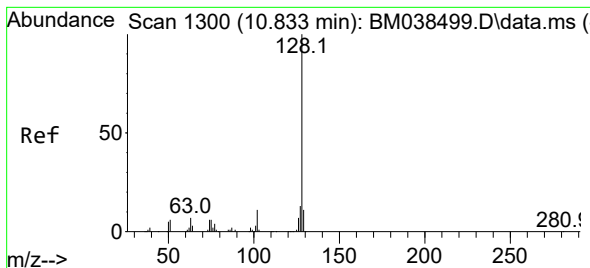
Ion Ratio Lower Upper

180 100

182 89.8 78.3 117.5

145 22.7 21.0 31.6





#31

Naphthalene

Concen: 3.569 ng

RT: 10.828 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

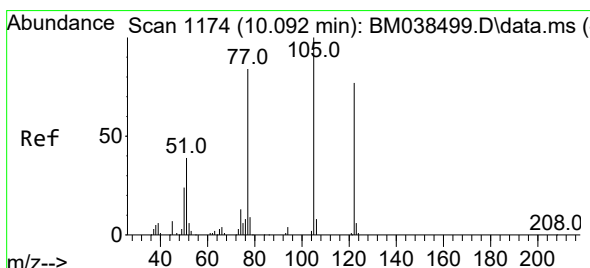
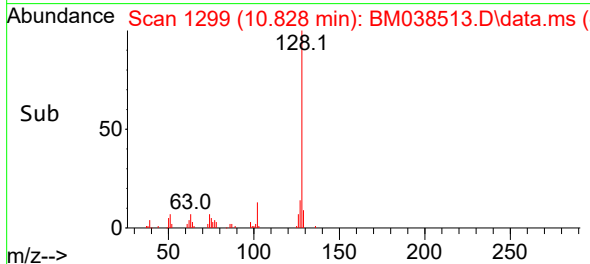
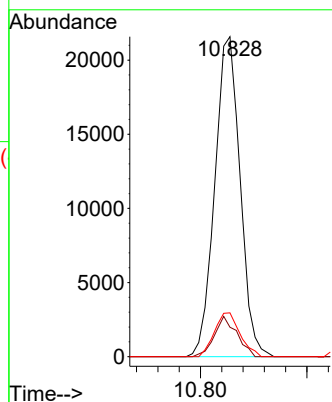
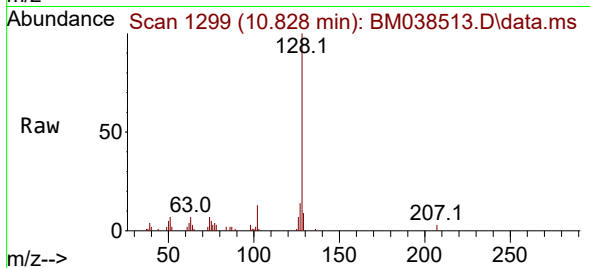
Tgt Ion:128 Resp: 35533

Ion Ratio Lower Upper

128 100

129 9.2 8.8 13.2

127 13.7 10.3 15.5



#32

Benzoic acid

Concen: 6.569 ng

RT: 10.034 min Scan# 1164

Delta R.T. -0.058 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

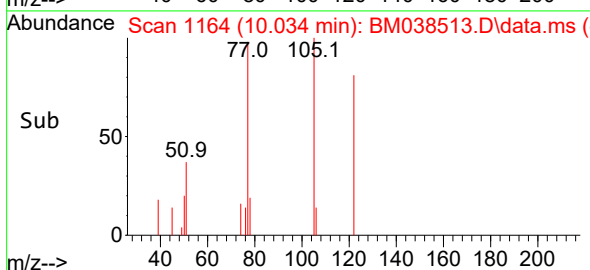
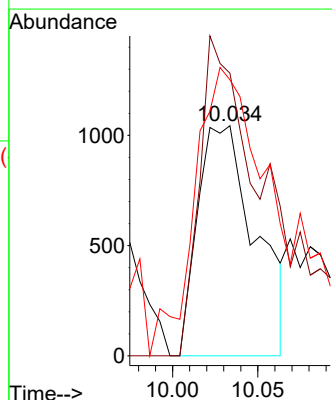
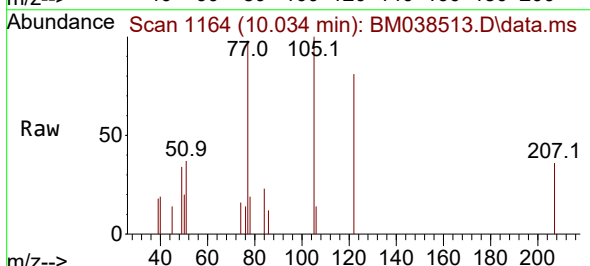
Tgt Ion:122 Resp: 2449

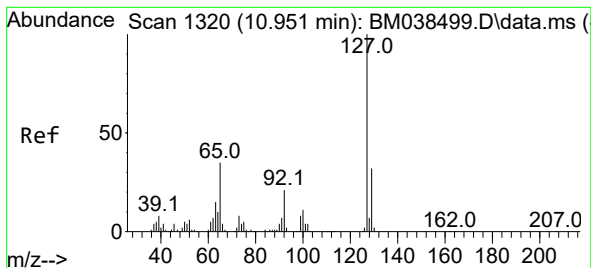
Ion Ratio Lower Upper

122 100

105 122.8 107.9 147.9

77 119.9 88.6 128.6

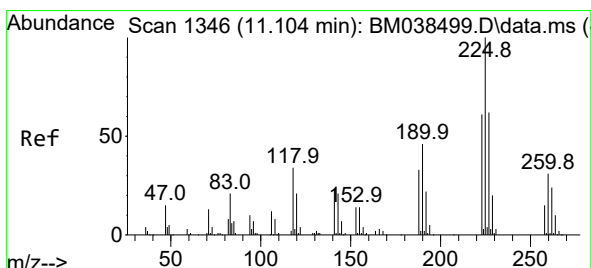
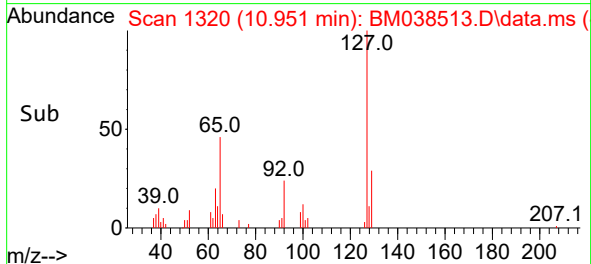
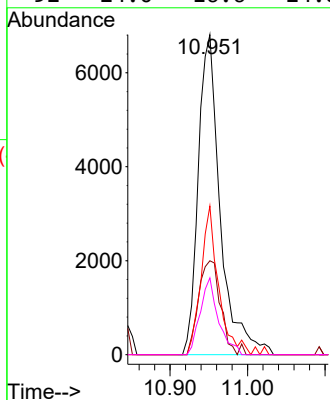
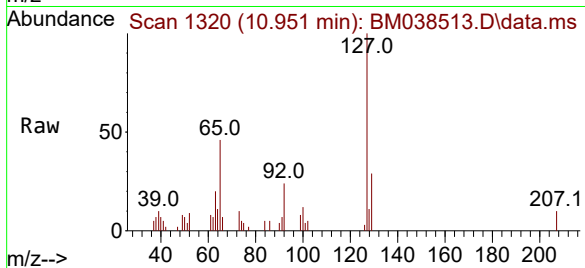




#33
4-Chloroaniline
Concen: 3.228 ng
RT: 10.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

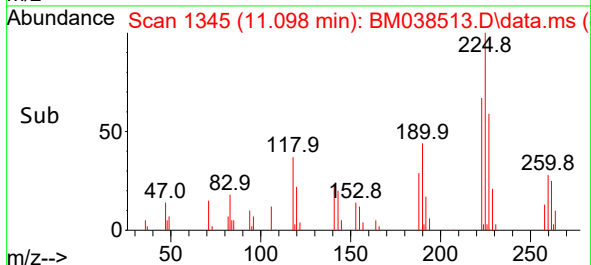
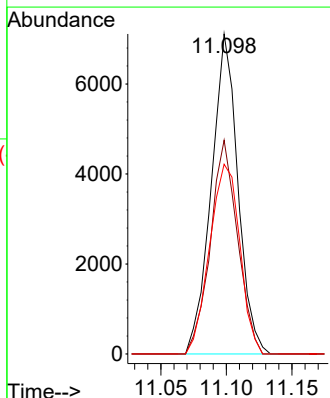
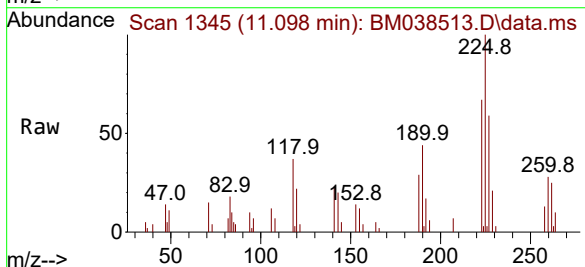
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

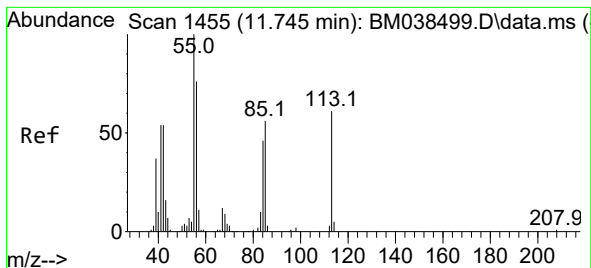
Tgt Ion:	127	Resp:	13414
Ion Ratio	Lower	Upper	
127	100		
129	29.4	25.8	38.6
65	46.5	28.2	42.2#
92	24.0	16.6	24.8



#34
Hexachlorobutadiene
Concen: 4.019 ng
RT: 11.098 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:	225	Resp:	10004
Ion Ratio	Lower	Upper	
225	100		
223	66.8	48.8	73.2
227	59.3	49.4	74.0

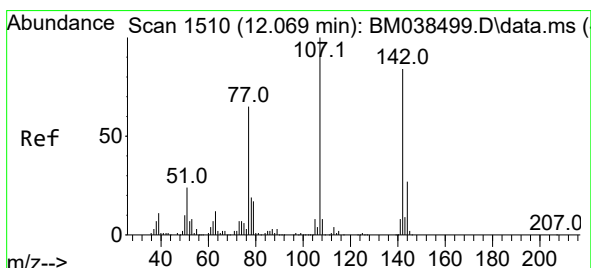
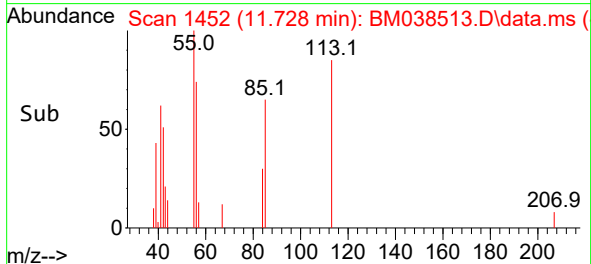
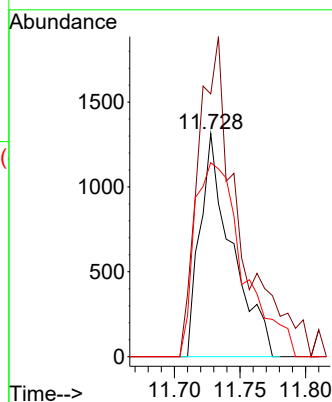
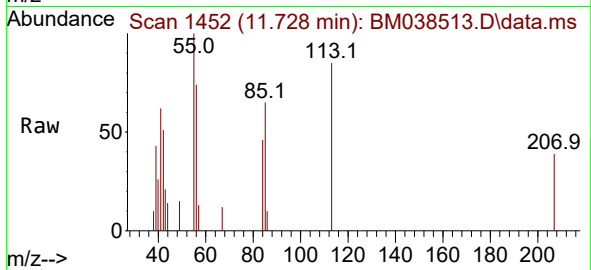




#35
 Caprolactam
 Concen: 2.745 ng
 RT: 11.728 min Scan# 1452
 Delta R.T. -0.017 min
 Lab File: BM038513.D
 Acq: 23 Jan 2023 17:49

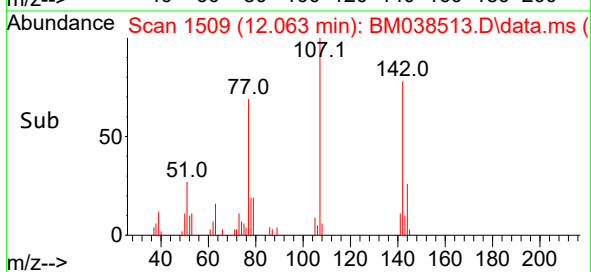
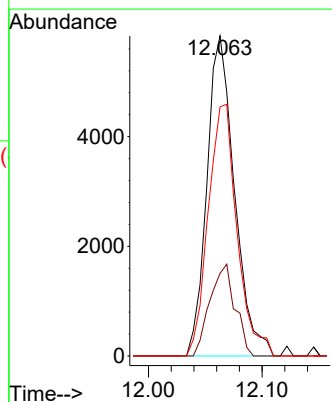
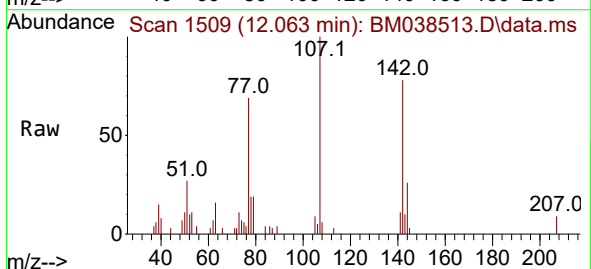
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

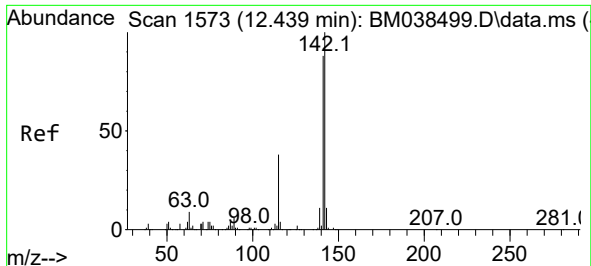
Tgt Ion:113 Resp: 2202
 Ion Ratio Lower Upper
 113 100
 55 117.8 145.0 185.0#
 56 87.1 105.7 145.7#



#36
 4-Chloro-3-methylphenol
 Concen: 3.279 ng
 RT: 12.063 min Scan# 1509
 Delta R.T. -0.006 min
 Lab File: BM038513.D
 Acq: 23 Jan 2023 17:49

Tgt Ion:107 Resp: 9866
 Ion Ratio Lower Upper
 107 100
 144 25.8 22.0 33.0
 142 77.9 67.5 101.3

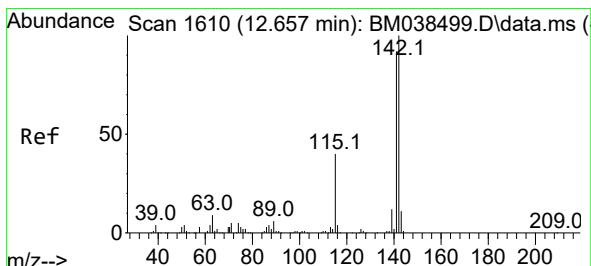
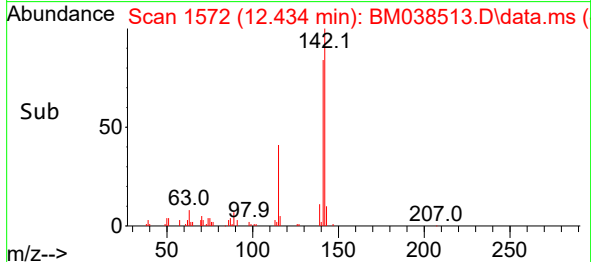
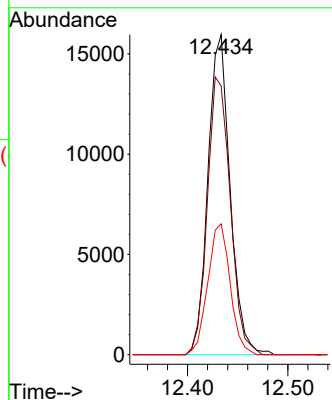
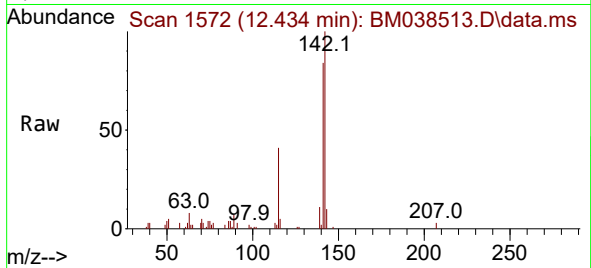




#37
2-Methylnaphthalene
Concen: 3.416 ng
RT: 12.434 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

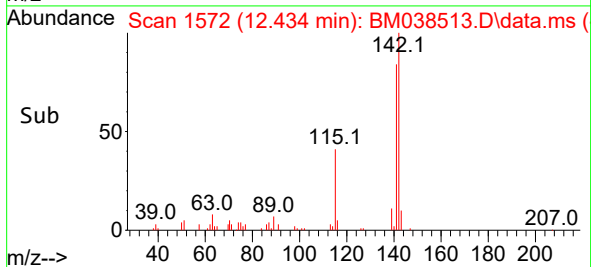
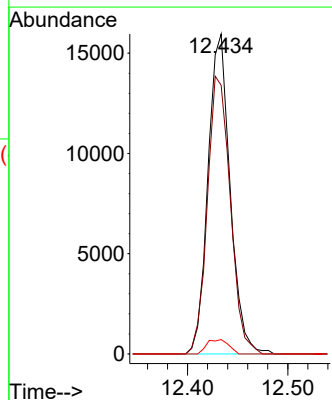
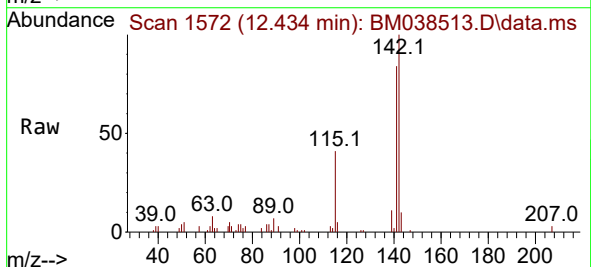
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

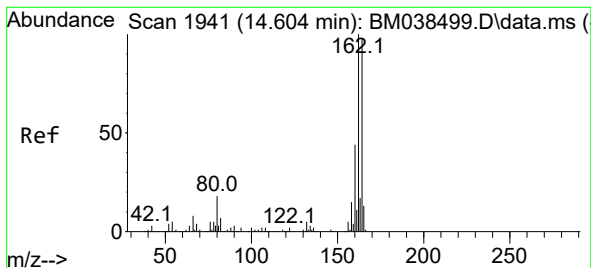
Tgt Ion:142 Resp: 24443
Ion Ratio Lower Upper
142 100
141 84.0 70.7 106.1
115 40.9 30.4 45.6



#38
1-Methylnaphthalene
Concen: 3.622 ng
RT: 12.434 min Scan# 1572
Delta R.T. -0.223 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:142 Resp: 24443
Ion Ratio Lower Upper
142 100
141 84.0 73.4 110.0
116 4.5 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1941

Delta R.T. -0.006 min

Lab File: BM038513.D

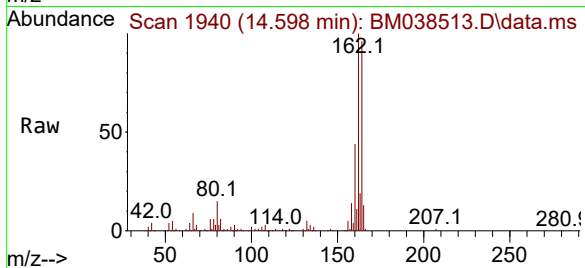
Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



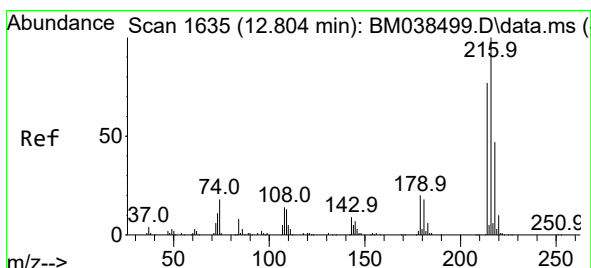
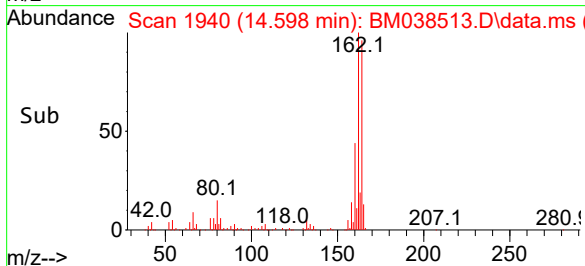
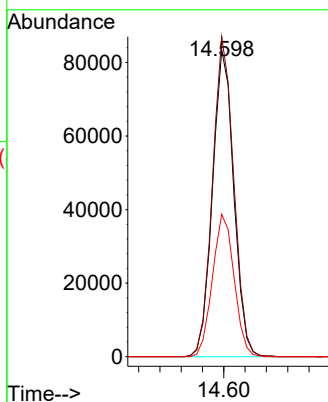
Tgt Ion:164 Resp: 115162

Ion Ratio Lower Upper

164 100

162 104.3 82.0 123.0

160 46.4 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.006 ng

RT: 12.798 min Scan# 1634

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Tgt Ion:216 Resp: 17356

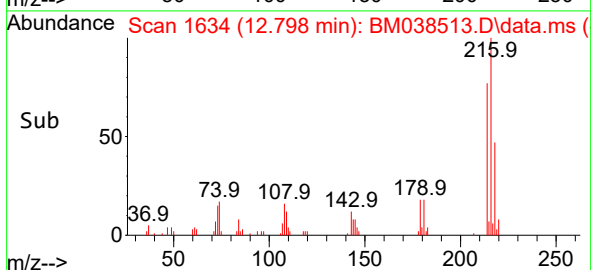
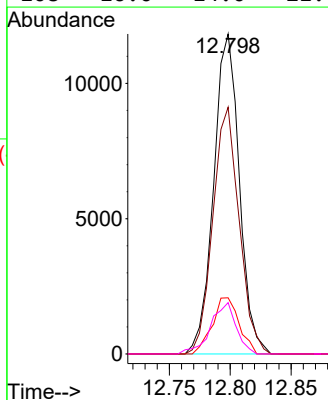
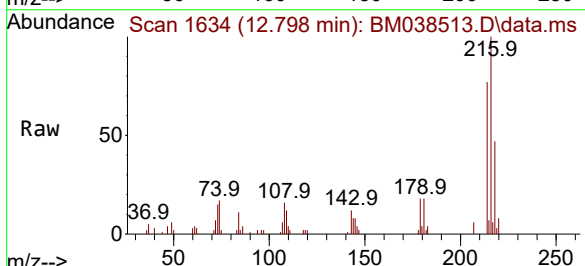
Ion Ratio Lower Upper

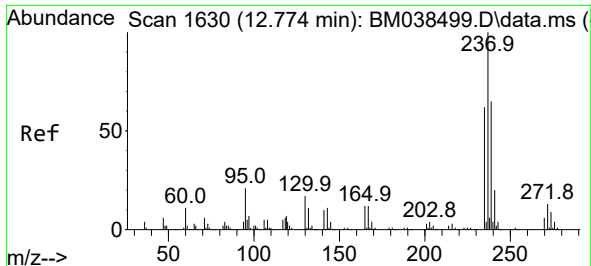
216 100

214 78.8 61.4 92.0

179 18.3 15.7 23.5

108 16.0 14.0 21.0

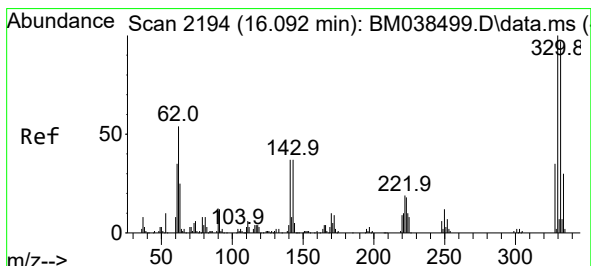
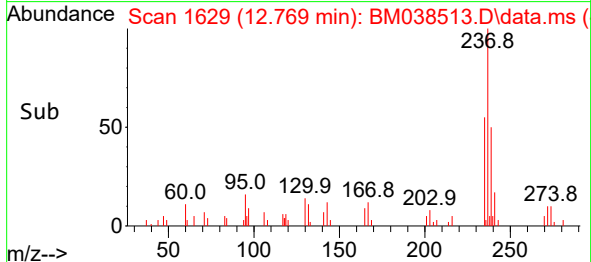
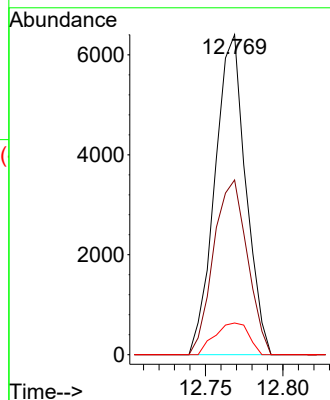
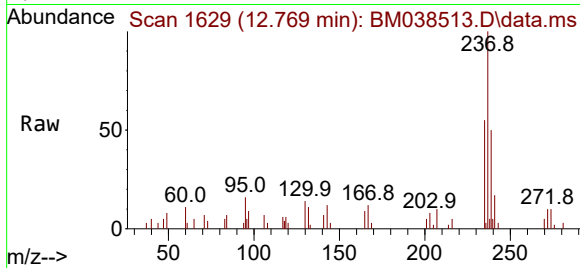




#41
Hexachlorocyclopentadiene
Concen: 3.717 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

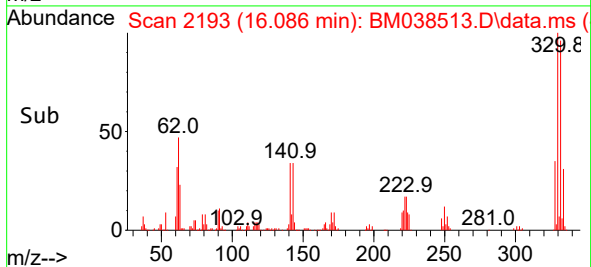
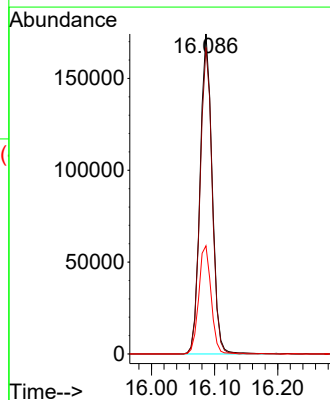
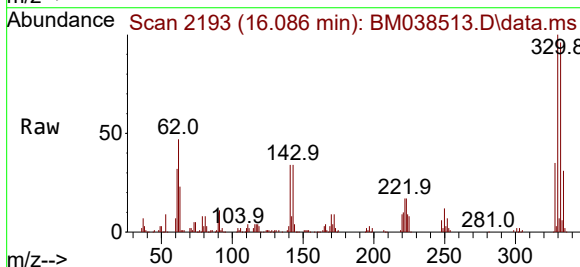
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

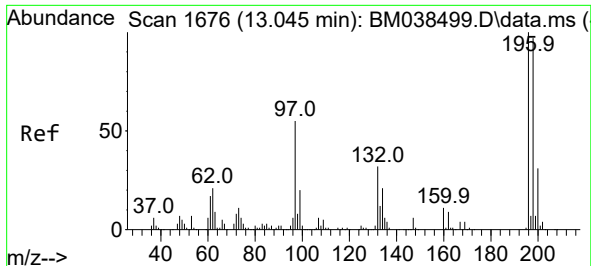
Tgt Ion:237 Resp: 8849
Ion Ratio Lower Upper
237 100
235 54.6 42.3 82.3
272 9.9 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 139.123 ng
RT: 16.086 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:330 Resp: 230717
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 34.5 29.0 43.4

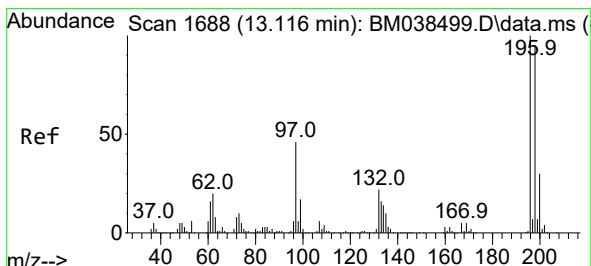
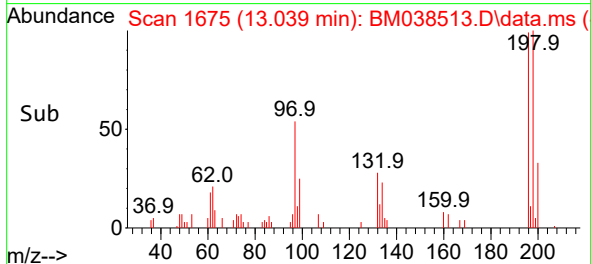
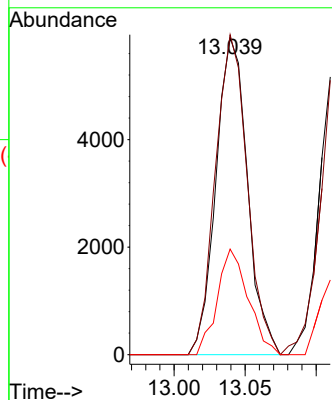
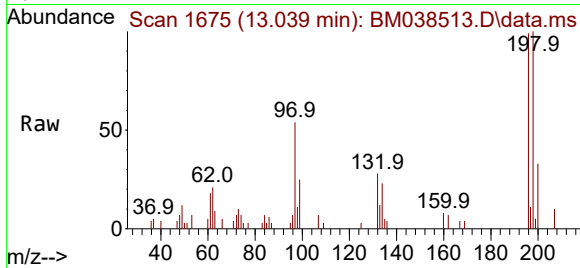




#43
2,4,6-Trichlorophenol
Concen: 3.282 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

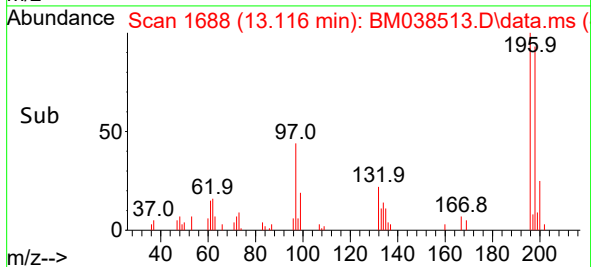
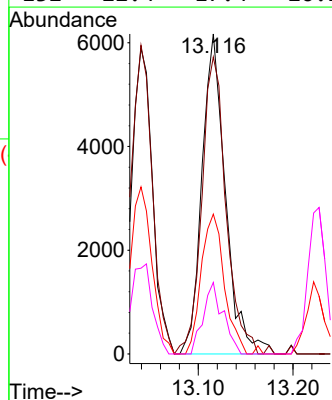
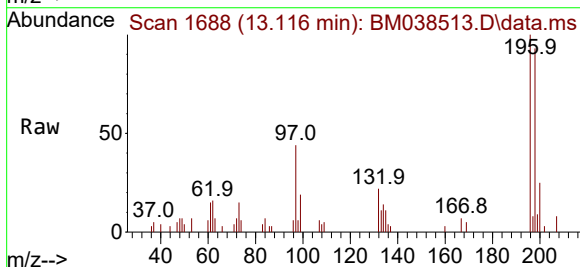
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

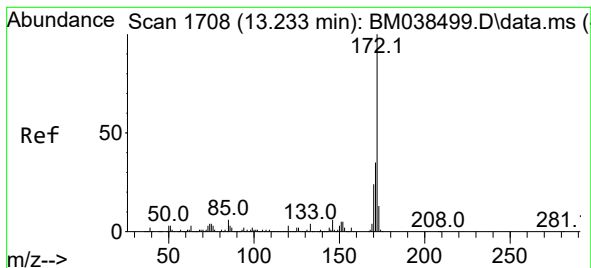
Tgt Ion:196 Resp: 9101
Ion Ratio Lower Upper
196 100
198 100.9 77.9 116.9
200 33.3 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 3.287 ng
RT: 13.116 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:196 Resp: 10676
Ion Ratio Lower Upper
196 100
198 92.8 76.0 114.0
97 43.7 36.9 55.3
132 22.4 17.4 26.2





#45

2-Fluorobiphenyl

Concen: 81.797 ng

RT: 13.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

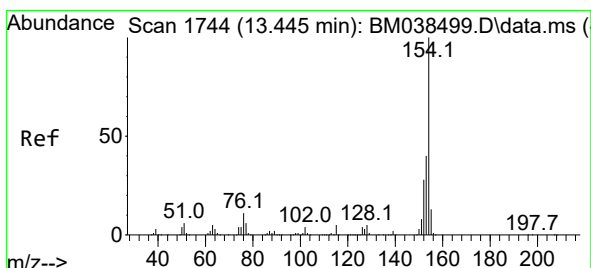
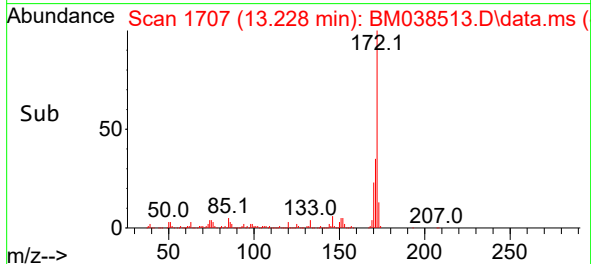
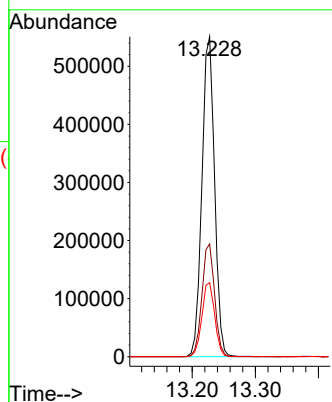
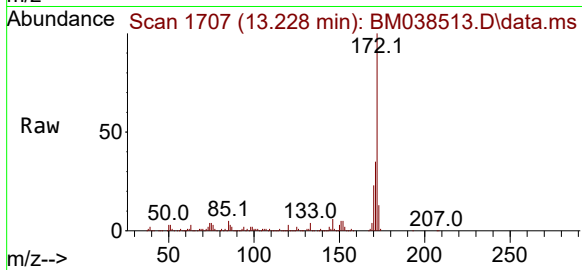
Tgt Ion:172 Resp: 764715

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.1 19.5 29.3



#46

1,1'-Biphenyl

Concen: 3.717 ng

RT: 13.439 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

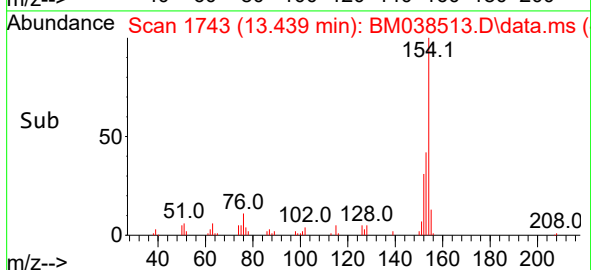
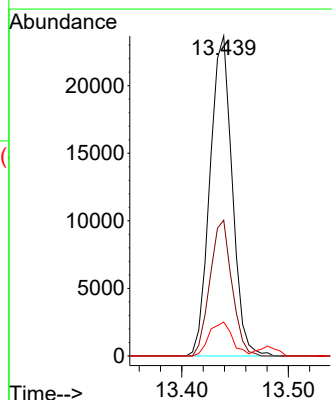
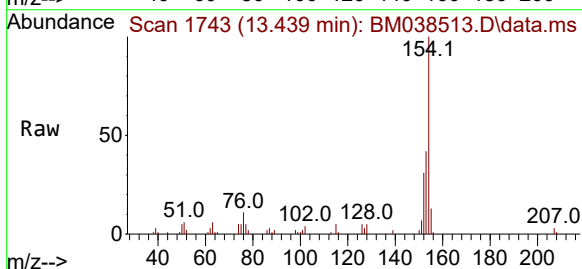
Tgt Ion:154 Resp: 34285

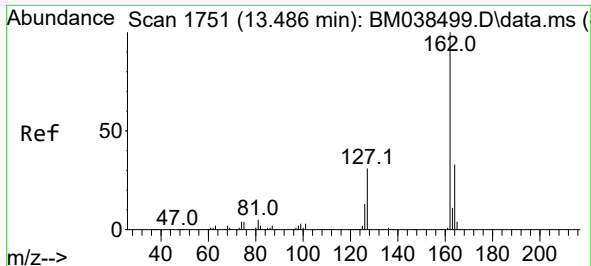
Ion Ratio Lower Upper

154 100

153 42.4 20.1 60.1

76 10.6 0.0 31.3

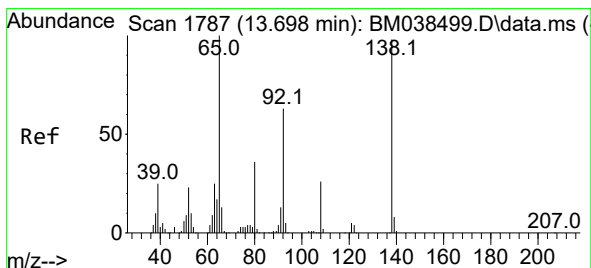
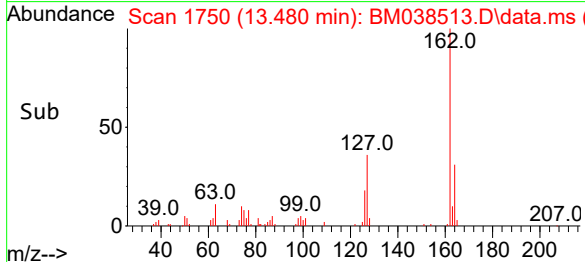
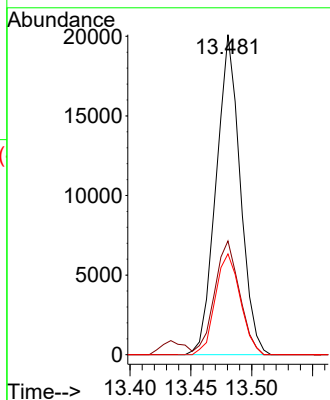
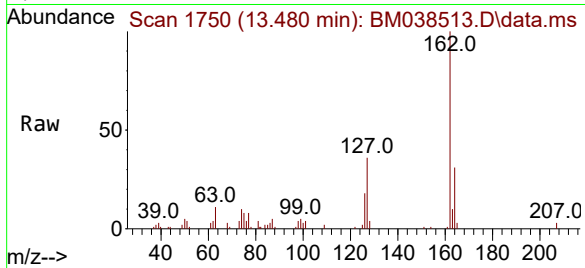




#47
2-Chloronaphthalene
Concen: 3.841 ng
RT: 13.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

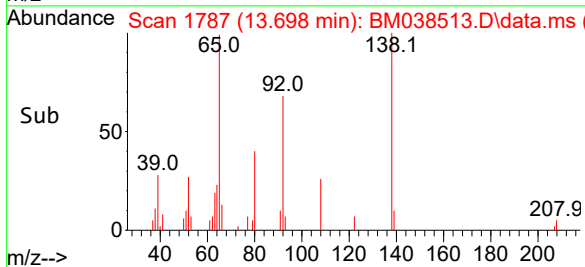
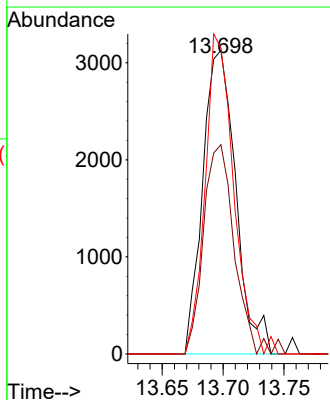
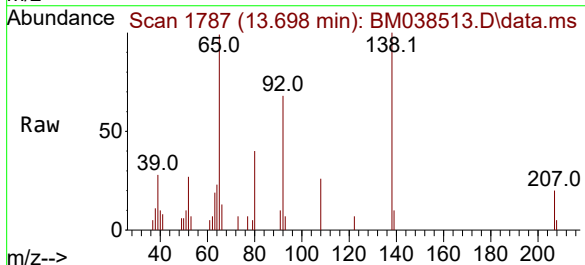
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

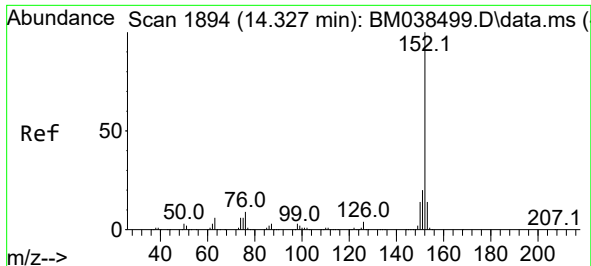
Tgt Ion:	162	Resp:	27655
Ion Ratio	Lower	Upper	
162	100		
127	35.6	27.4	41.2
164	31.5	26.7	40.1



#48
2-Nitroaniline
Concen: 2.790 ng
RT: 13.698 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:	65	Resp:	5900
Ion Ratio	Lower	Upper	
65	100		
92	69.0	50.0	75.0
138	100.8	78.2	117.2

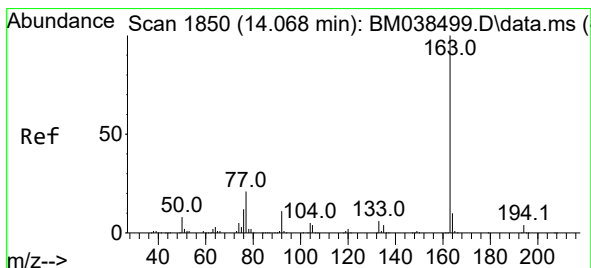
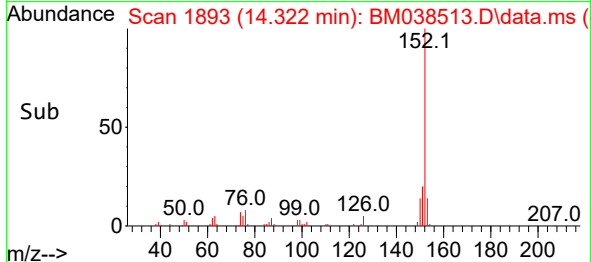
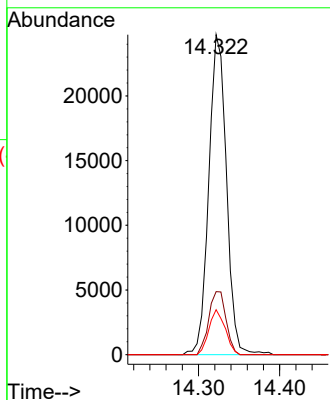
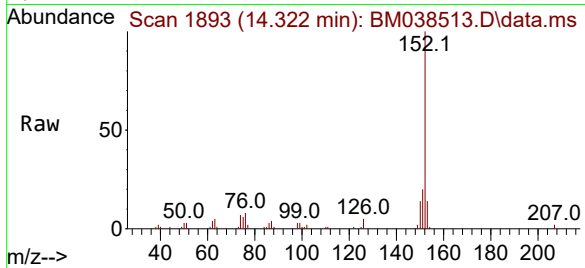




#49
Acenaphthylene
Concen: 3.321 ng
RT: 14.322 min Scan# 1893
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

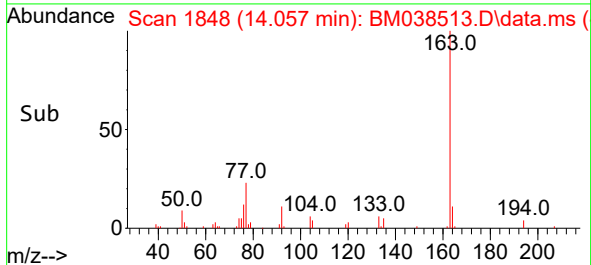
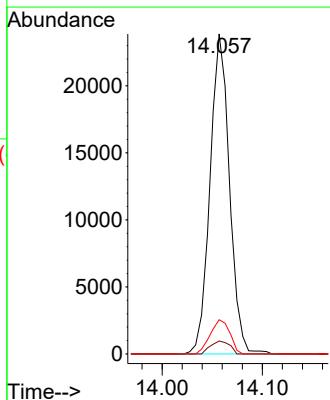
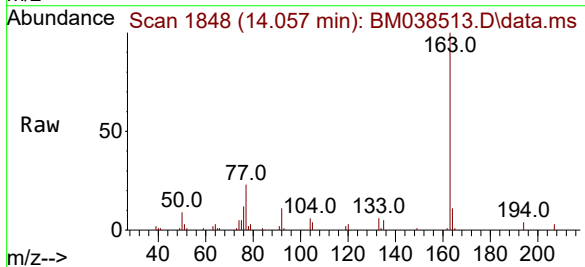
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

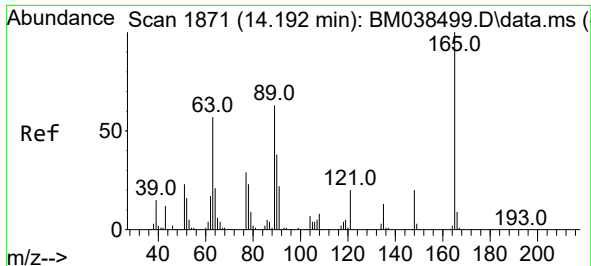
Tgt Ion:152 Resp: 37411
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 14.1 10.8 16.2



#50
Dimethylphthalate
Concen: 3.632 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:163 Resp: 32201
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.7 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 3.040 ng

RT: 14.186 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

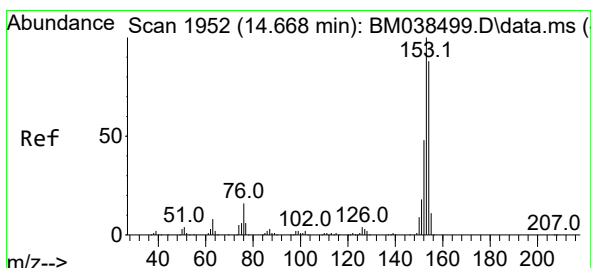
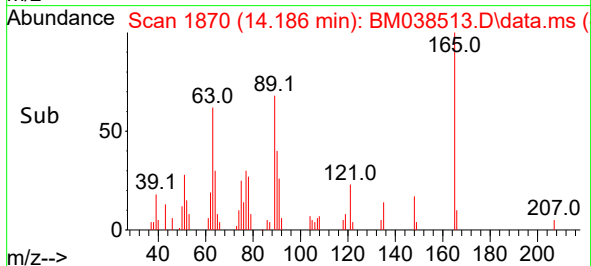
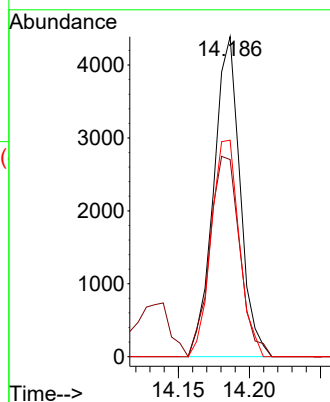
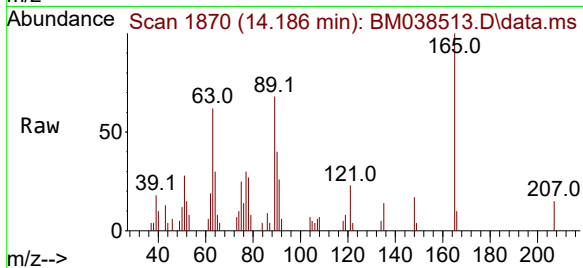
Tgt Ion:165 Resp: 5672

Ion Ratio Lower Upper

165 100

63 61.6 51.0 76.4

89 67.7 50.2 75.4



#52

Acenaphthene

Concen: 3.443 ng

RT: 14.663 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

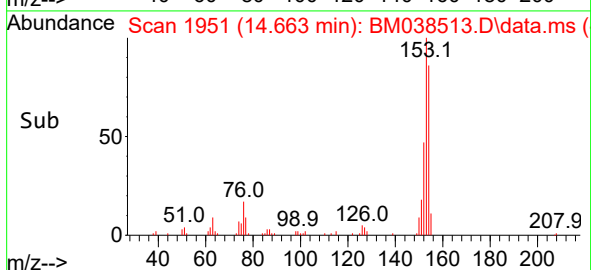
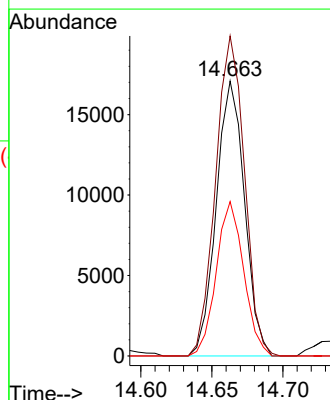
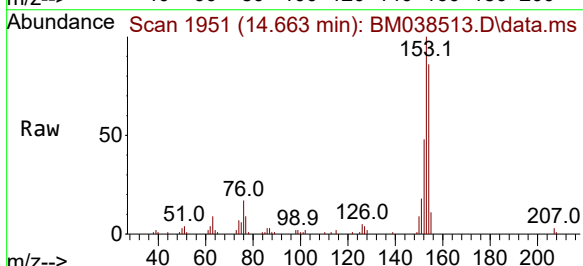
Tgt Ion:154 Resp: 23655

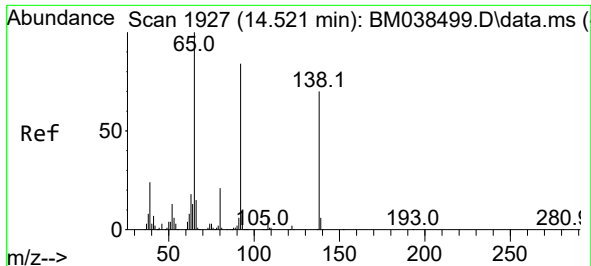
Ion Ratio Lower Upper

154 100

153 116.4 90.7 136.1

152 56.2 43.8 65.8

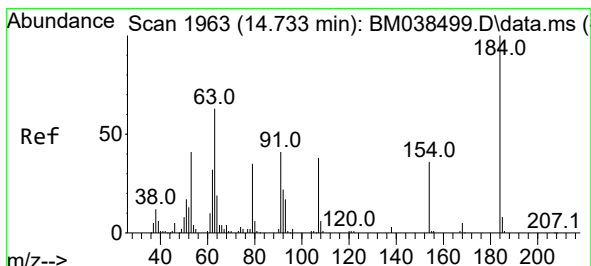
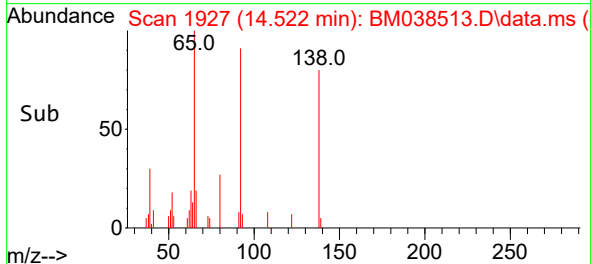
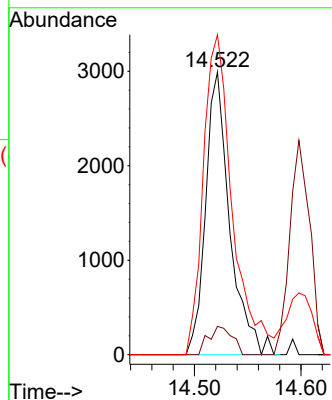
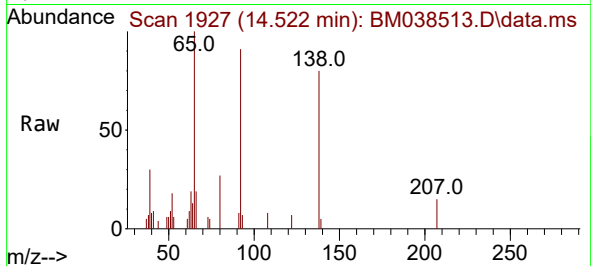




#53
3-Nitroaniline
Concen: 2.540 ng
RT: 14.522 min Scan# 1927
Delta R.T. 0.001 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

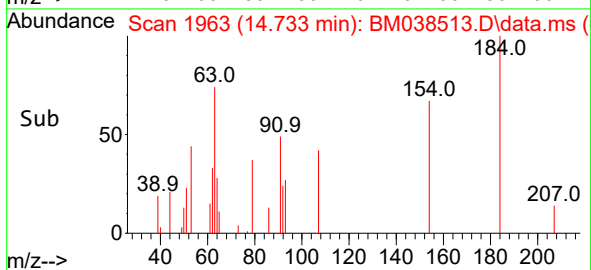
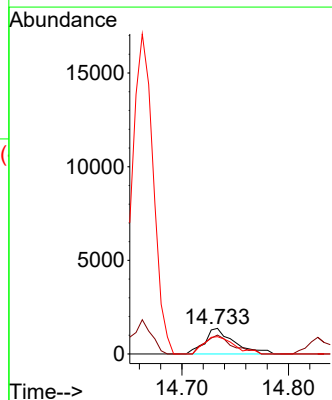
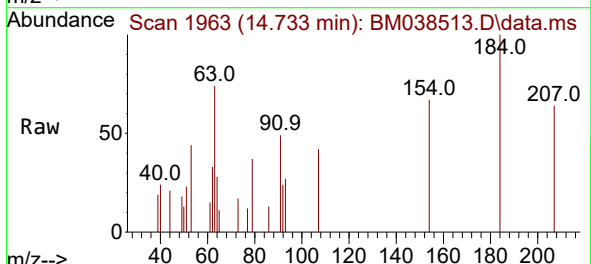
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

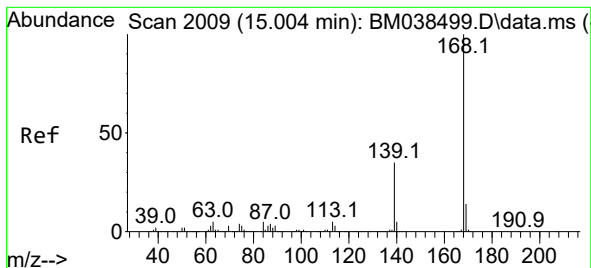
Tgt Ion:138 Resp: 4709
Ion Ratio Lower Upper
138 100
108 10.0 7.0 10.4
92 113.2 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 6.545 ng
RT: 14.733 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:184 Resp: 2606
Ion Ratio Lower Upper
184 100
63 73.6 52.2 78.4
154 67.3 48.9 73.3





#55

Dibenzofuran

Concen: 3.590 ng

RT: 14.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

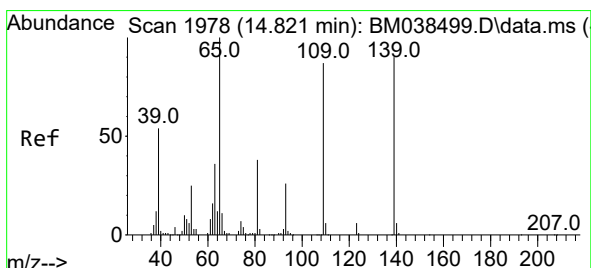
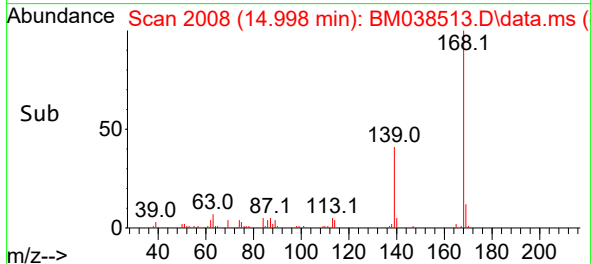
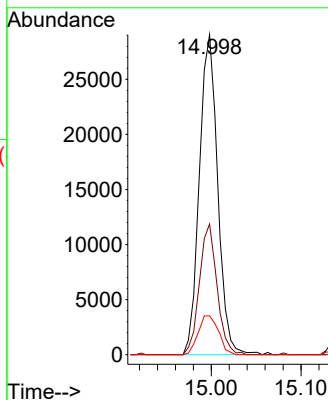
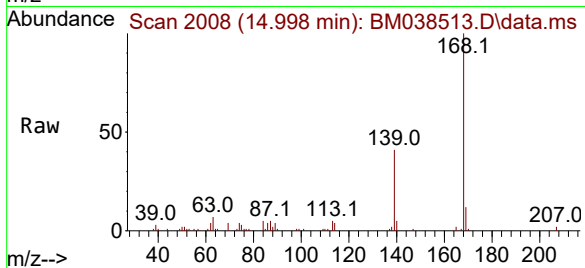
Tgt Ion:168 Resp: 41238

Ion Ratio Lower Upper

168 100

139 40.9 27.9 41.9

169 12.1 11.0 16.6



#56

4-Nitrophenol

Concen: 2.292 ng

RT: 14.827 min Scan# 1979

Delta R.T. 0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

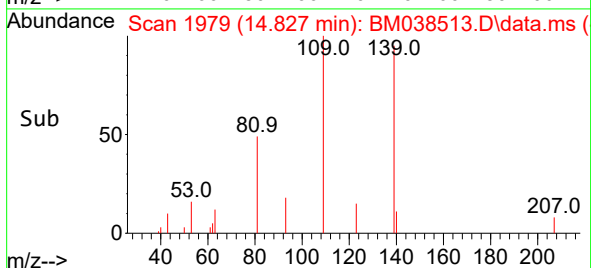
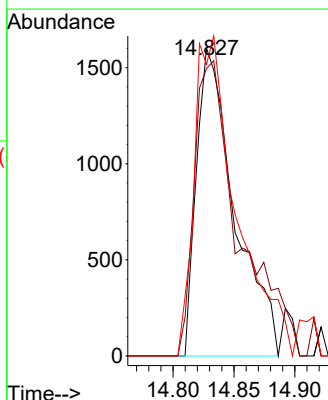
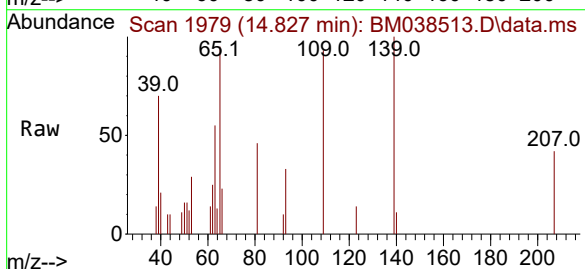
Tgt Ion:139 Resp: 3500

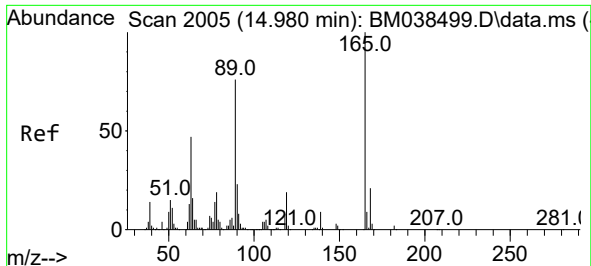
Ion Ratio Lower Upper

139 100

109 93.3 76.8 116.8

65 94.8 91.7 131.7





#57

2,4-Dinitrotoluene

Concen: 2.882 ng

RT: 14.975 min Scan# 20

Delta R.T. -0.005 min

Lab File: BM038513.D

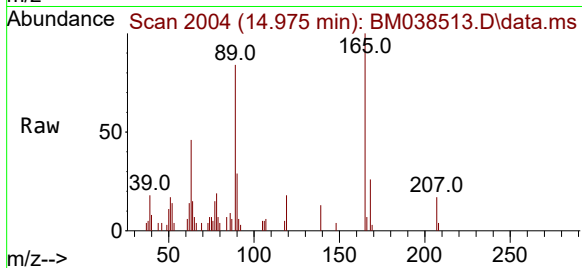
Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:165 Resp: 7289

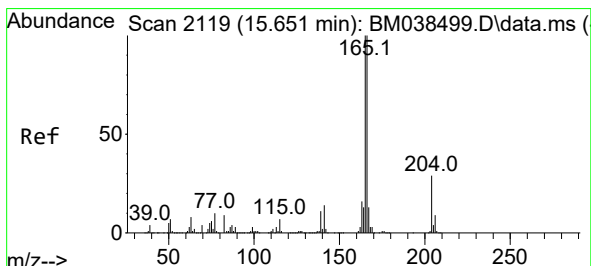
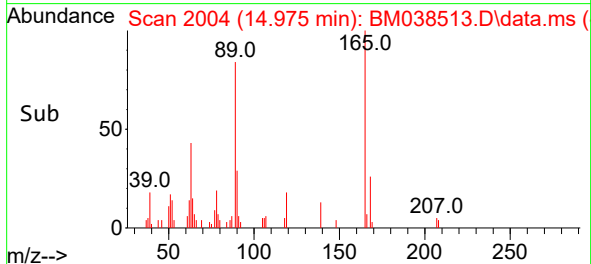
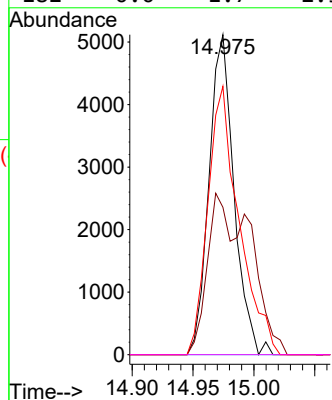
Ion Ratio Lower Upper

165 100

63 46.0 37.8 56.8

89 83.9 60.9 91.3

182 0.0 1.7 2.5#



#58

Fluorene

Concen: 3.354 ng

RT: 15.645 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

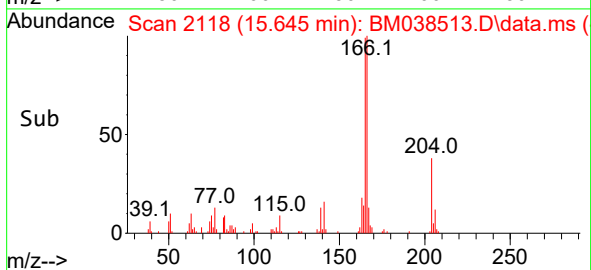
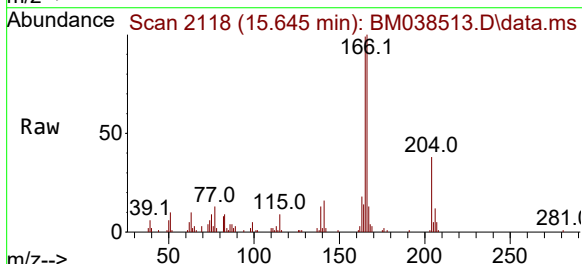
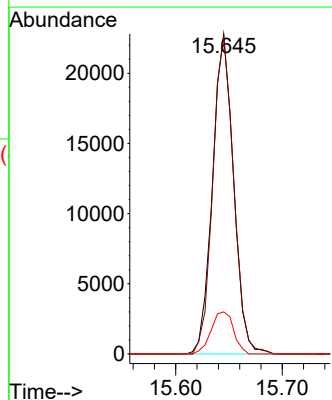
Tgt Ion:166 Resp: 31239

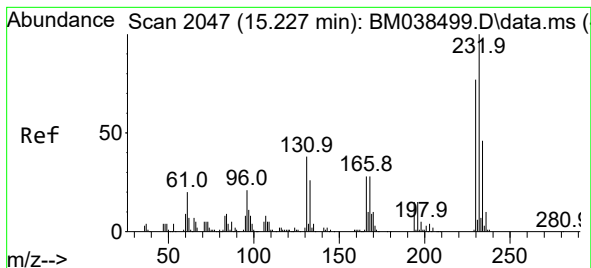
Ion Ratio Lower Upper

166 100

165 99.3 79.6 119.4

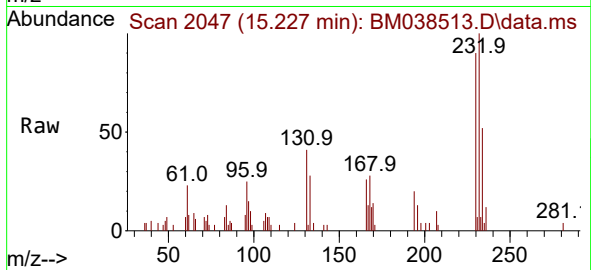
167 13.1 10.5 15.7



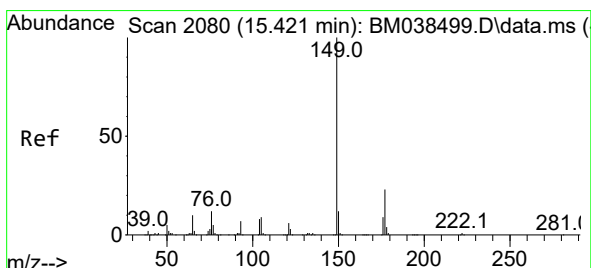
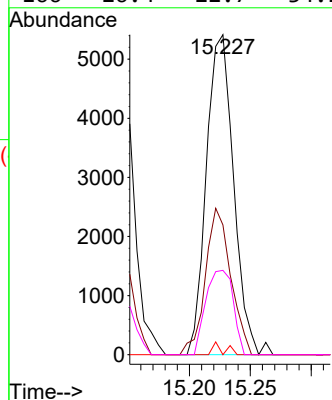
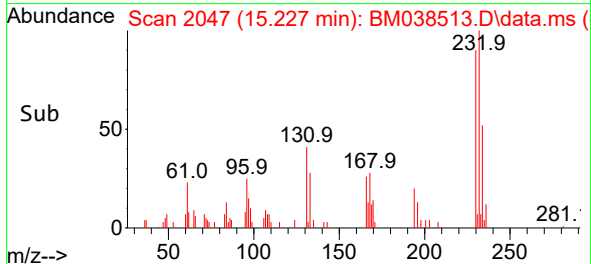


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.171 ng
RT: 15.227 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

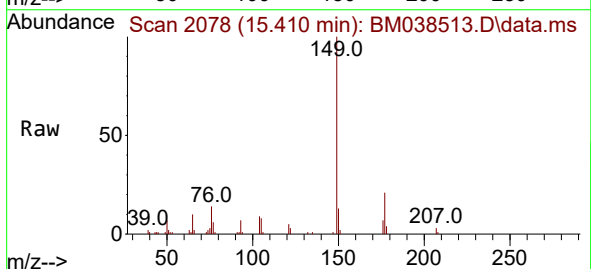
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



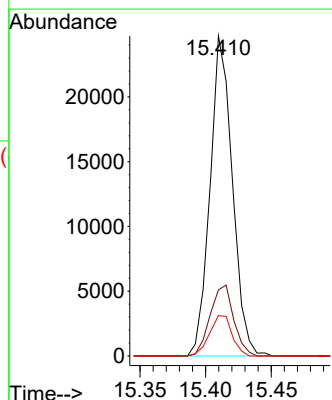
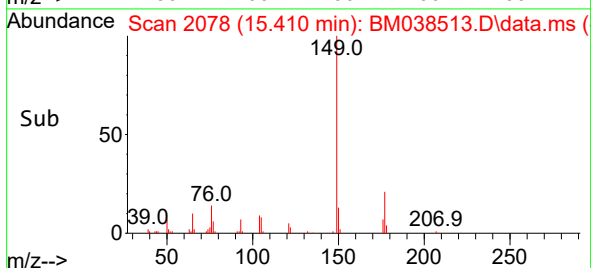
Tgt Ion:232 Resp: 8419
Ion Ratio Lower Upper
232 100
131 42.6 31.0 46.4
130 1.6 1.8 2.6#
166 26.4 22.7 34.1

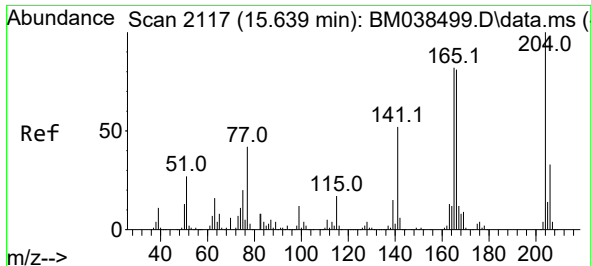


#60
Diethylphthalate
Concen: 3.374 ng
RT: 15.410 min Scan# 2078
Delta R.T. -0.011 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49



Tgt Ion:149 Resp: 29294
Ion Ratio Lower Upper
149 100
177 20.6 18.6 27.8
150 12.6 9.5 14.3

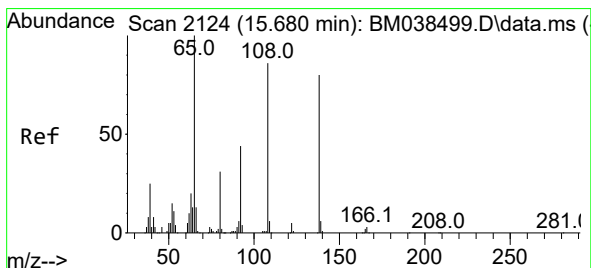
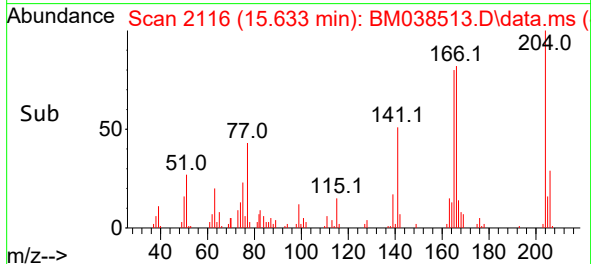
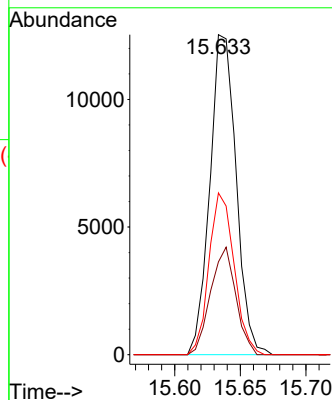
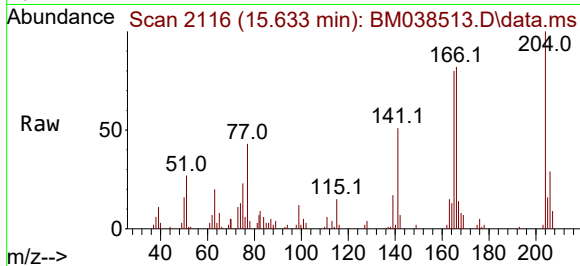




#61
4-Chlorophenyl-phenylether
Concen: 3.577 ng
RT: 15.633 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

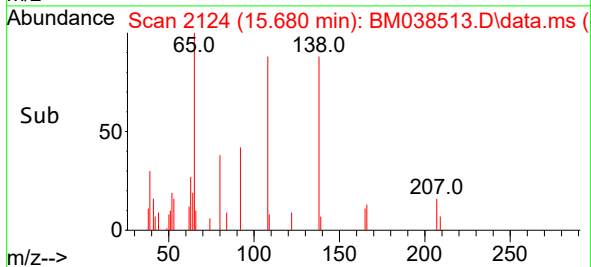
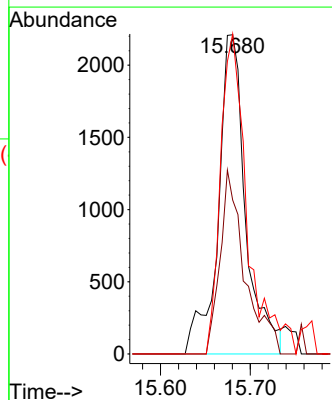
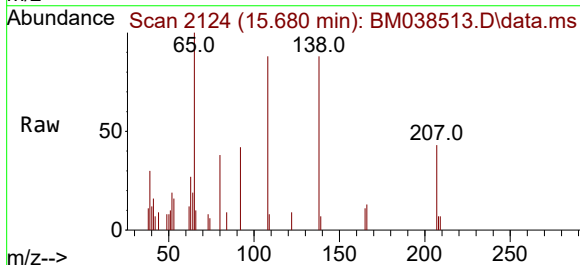
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

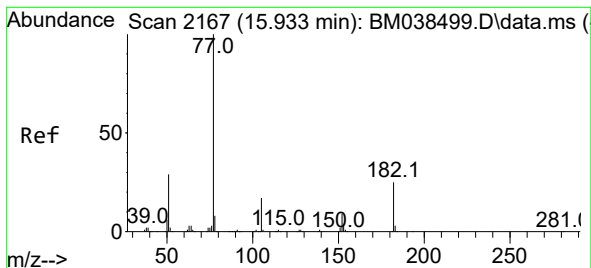
Tgt Ion:204 Resp: 17490
Ion Ratio Lower Upper
204 100
206 29.0 26.2 39.4
141 50.5 41.5 62.3



#62
4-Nitroaniline
Concen: 5.454 ng
RT: 15.680 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:138 Resp: 4713
Ion Ratio Lower Upper
138 100
92 48.2 35.2 75.2
108 100.2 87.3 127.3





#63

Azobenzene

Concen: 3.194 ng

RT: 15.927 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 29376

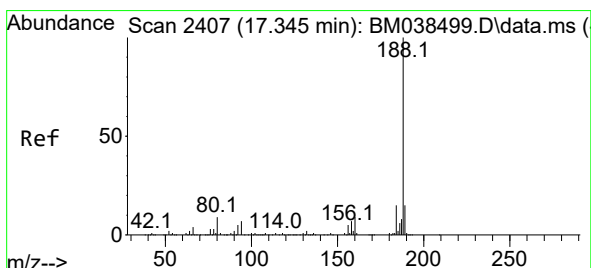
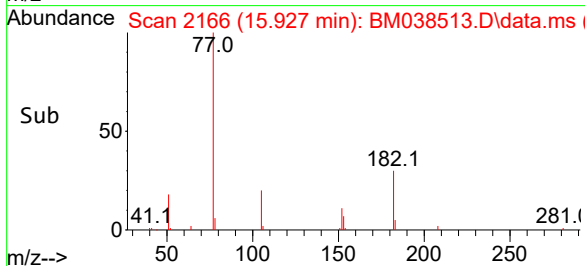
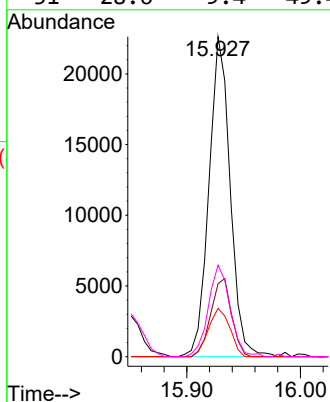
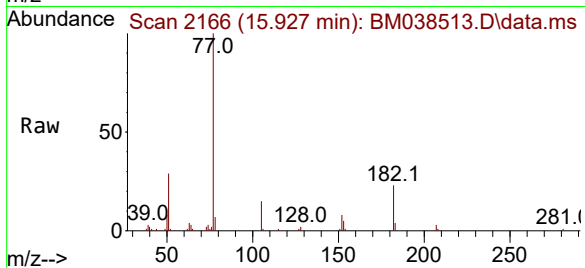
Ion Ratio Lower Upper

77 100

182 22.8 4.7 44.7

105 15.1 0.0 36.7

51 28.6 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2406

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

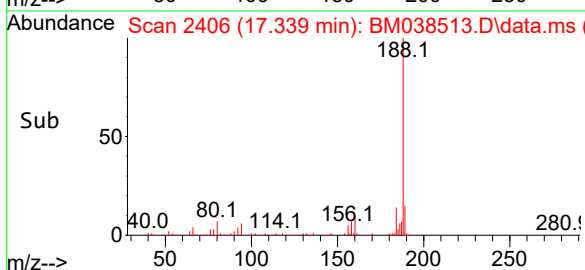
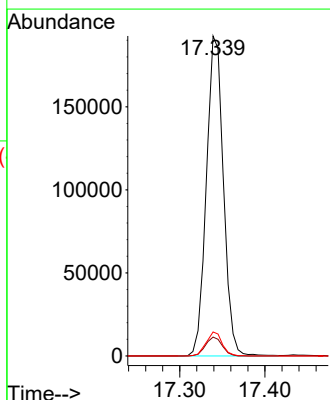
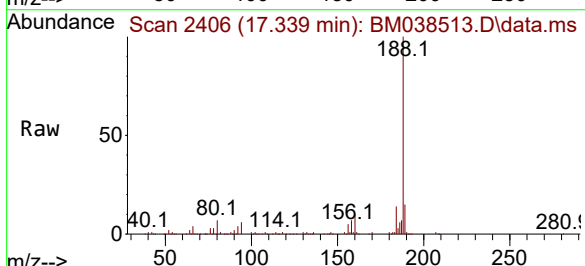
Tgt Ion:188 Resp: 267778

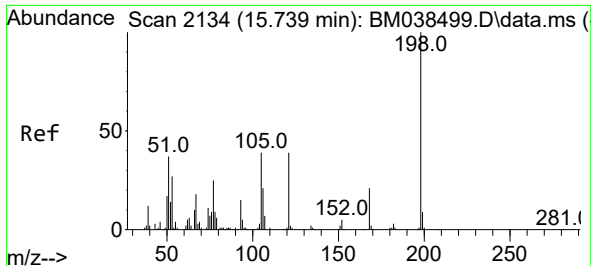
Ion Ratio Lower Upper

188 100

94 5.9 6.0 9.0#

80 7.5 6.9 10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 2.438 ng

RT: 15.733 min Scan# 2133

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

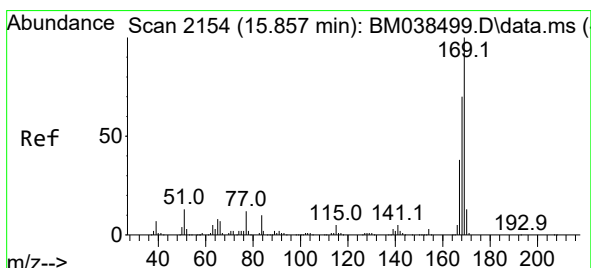
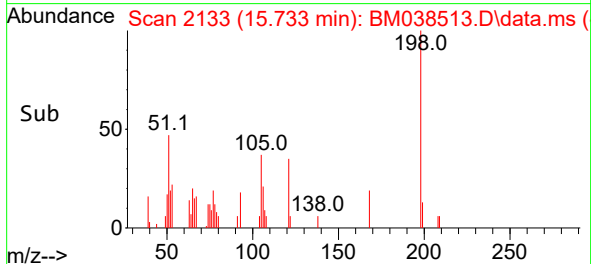
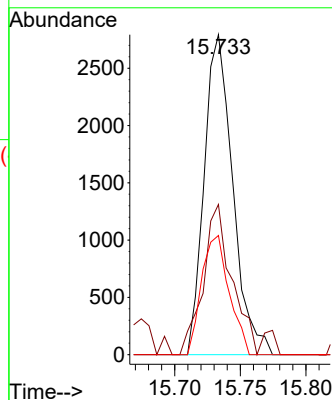
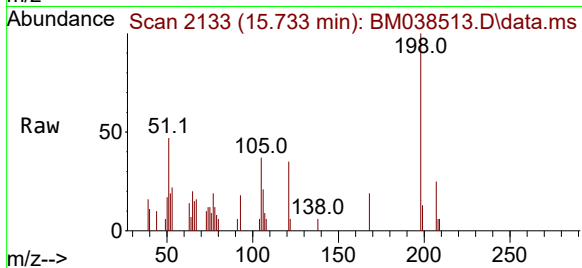
Tgt Ion:198 Resp: 4237

Ion Ratio Lower Upper

198 100

51 46.9 18.8 58.8

105 37.3 19.7 59.7



#66

n-Nitrosodiphenylamine

Concen: 3.254 ng

RT: 15.851 min Scan# 2153

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

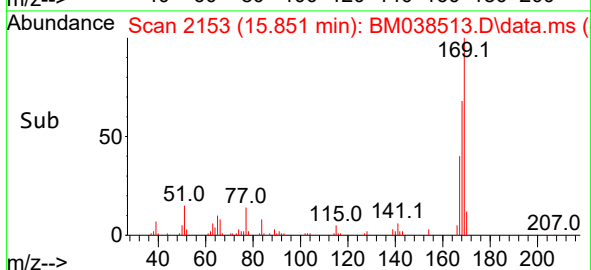
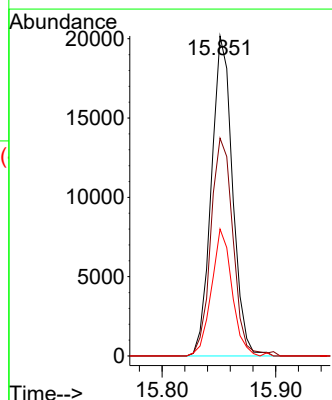
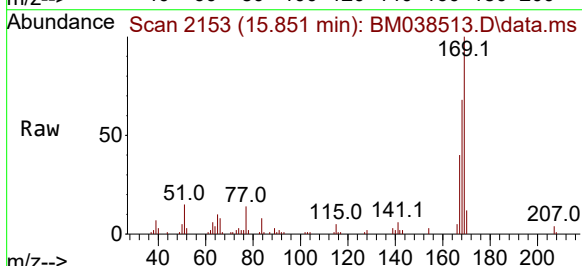
Tgt Ion:169 Resp: 26161

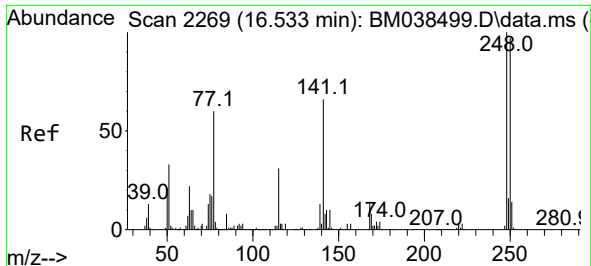
Ion Ratio Lower Upper

169 100

168 68.1 55.8 83.8

167 39.6 30.3 45.5

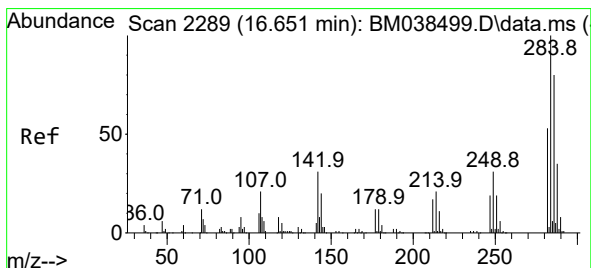
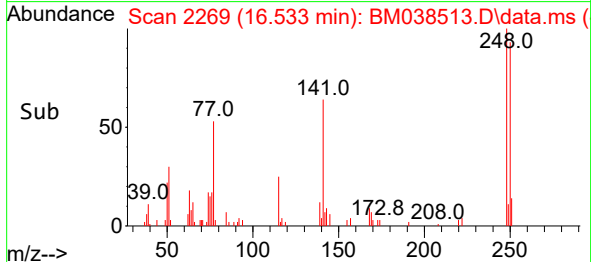
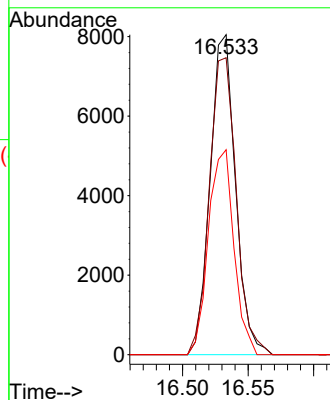
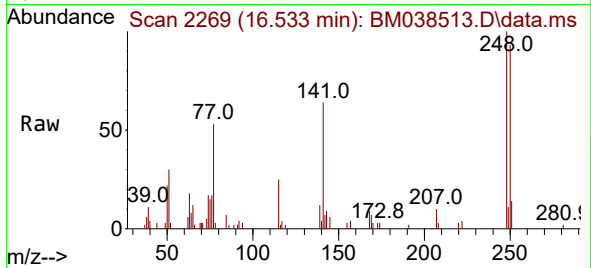




#67
4-Bromophenyl-phenylether
Concen: 3.641 ng
RT: 16.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

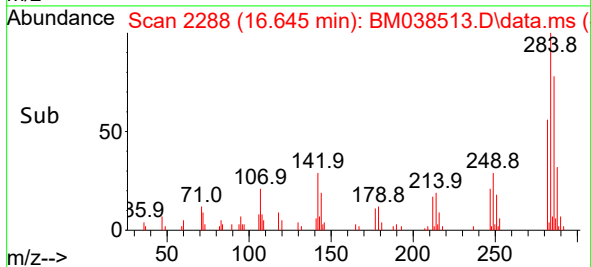
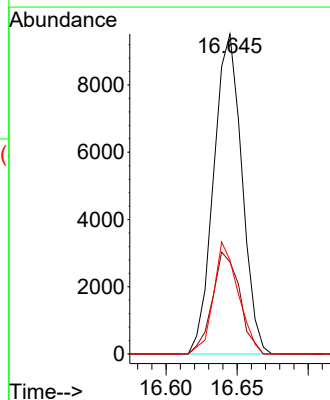
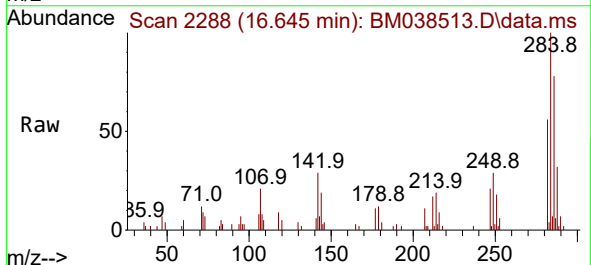
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

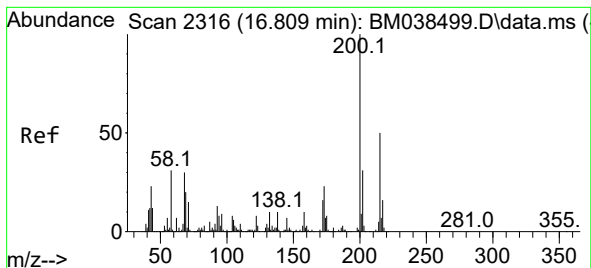
Tgt Ion:248 Resp: 10814
Ion Ratio Lower Upper
248 100
250 92.8 77.6 116.4
141 64.0 52.5 78.7



#68
Hexachlorobenzene
Concen: 4.102 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:284 Resp: 13146
Ion Ratio Lower Upper
284 100
142 28.8 25.2 37.8
249 32.3 24.4 36.6





#69

Atrazine

Concen: 3.551 ng

RT: 16.804 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

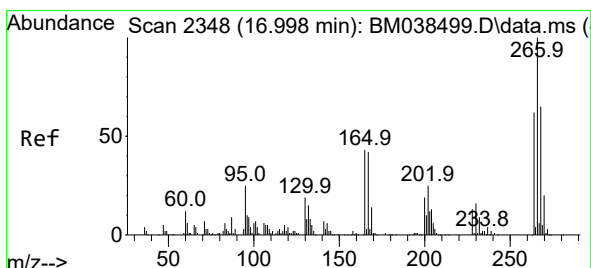
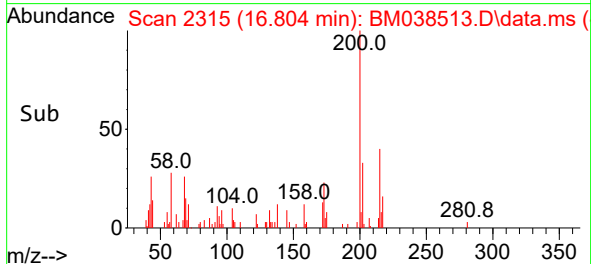
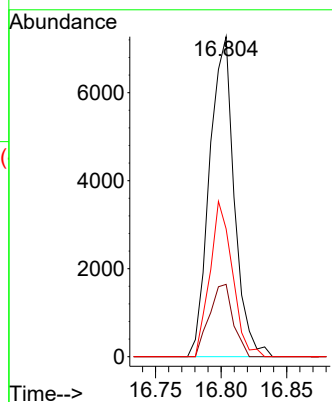
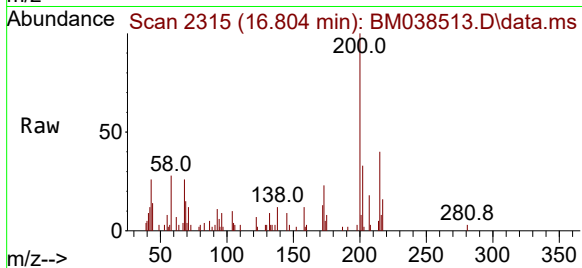
Tgt Ion:200 Resp: 9524

Ion Ratio Lower Upper

200 100

173 22.6 3.5 43.5

215 39.9 30.0 70.0



#70

Pentachlorophenol

Concen: 2.694 ng

RT: 16.992 min Scan# 2347

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

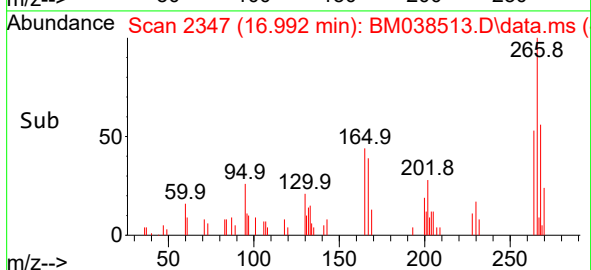
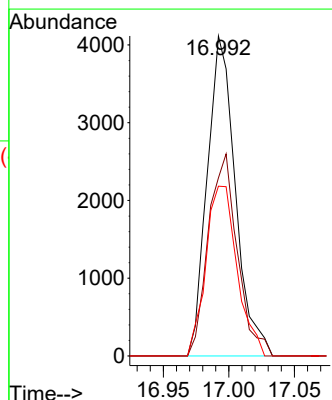
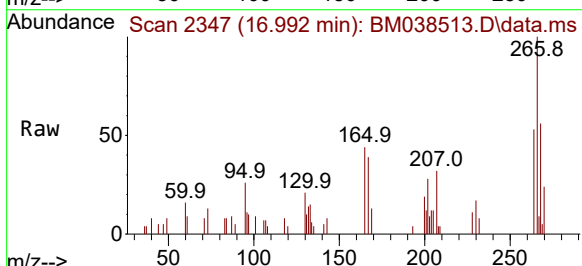
Tgt Ion:266 Resp: 6148

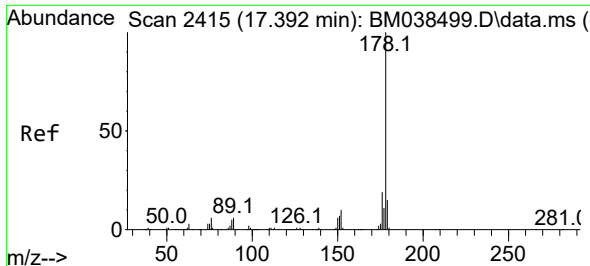
Ion Ratio Lower Upper

266 100

268 60.8 51.7 77.5

264 53.0 49.4 74.0

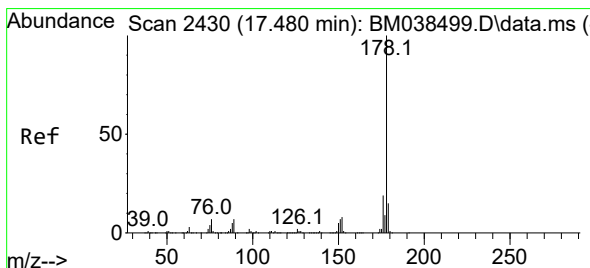
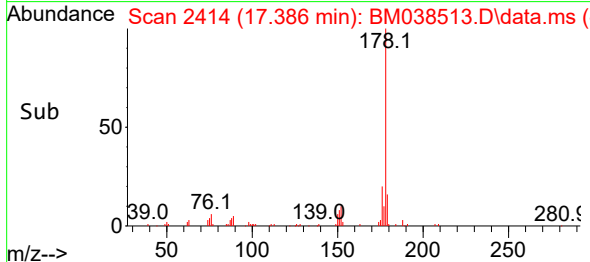
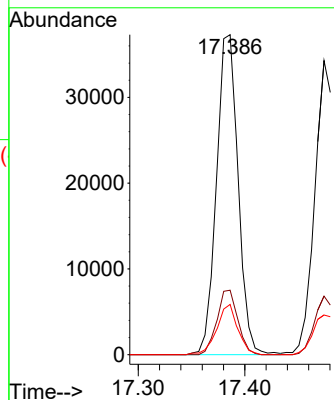
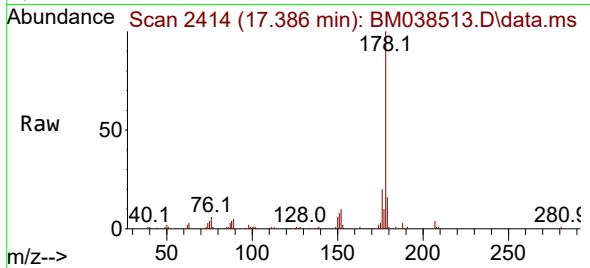




#71
Phenanthrene
Concen: 3.513 ng
RT: 17.386 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

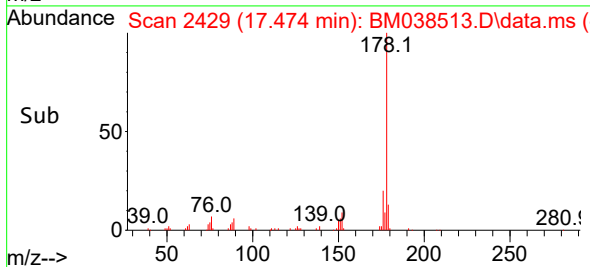
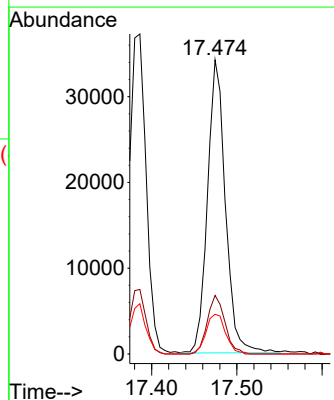
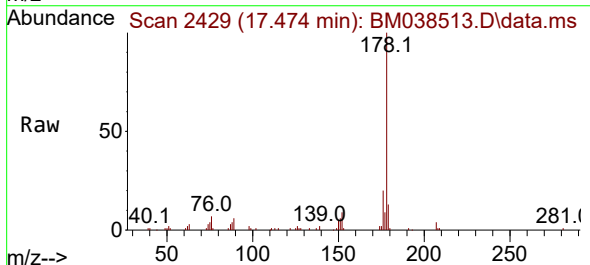
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

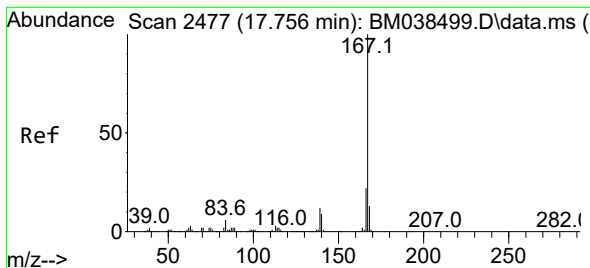
Tgt Ion:178 Resp: 52534
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 15.7 12.2 18.4



#72
Anthracene
Concen: 3.283 ng
RT: 17.474 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:178 Resp: 49954
Ion Ratio Lower Upper
178 100
176 19.9 15.0 22.6
179 13.5 12.2 18.4





#73

Carbazole

Concen: 3.268 ng

RT: 17.751 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

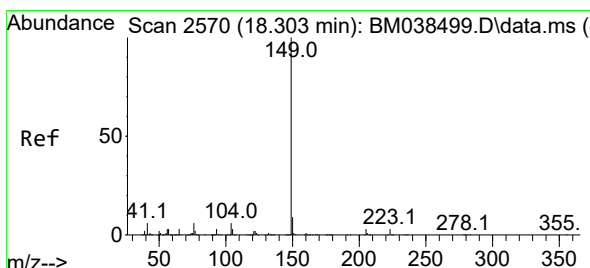
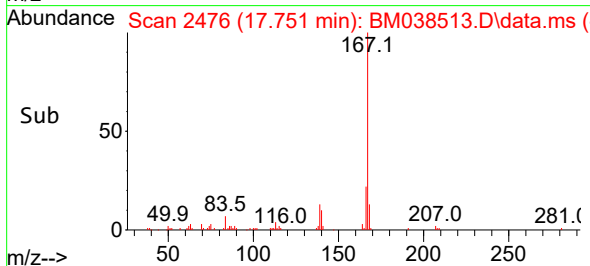
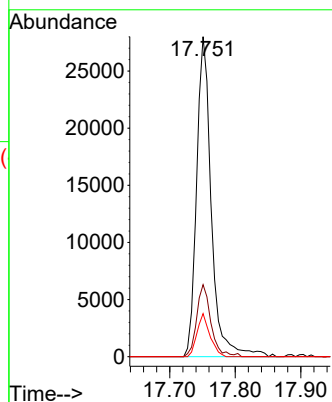
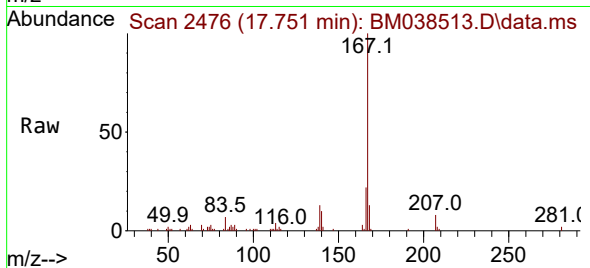
Tgt Ion:167 Resp: 43798

Ion Ratio Lower Upper

167 100

166 22.5 17.7 26.5

139 13.4 9.4 14.0



#74

Di-n-butylphthalate

Concen: 2.929 ng

RT: 18.298 min Scan# 2569

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

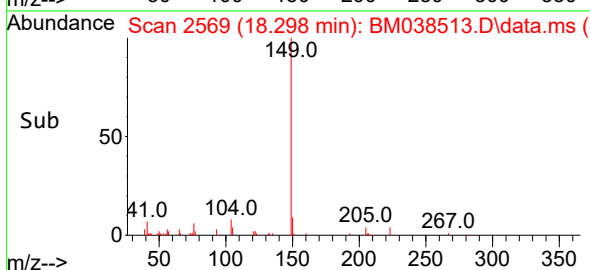
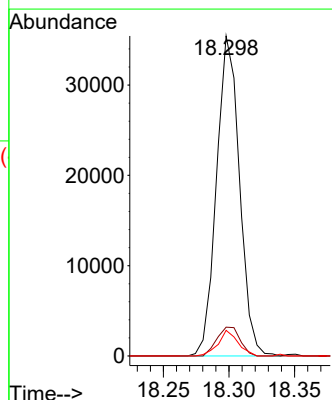
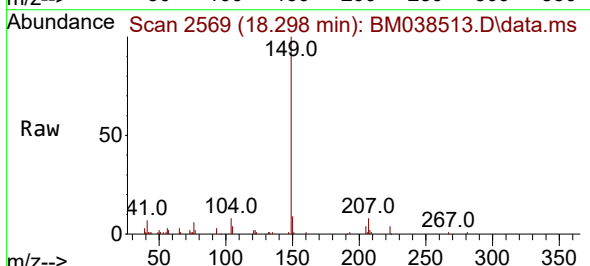
Tgt Ion:149 Resp: 43116

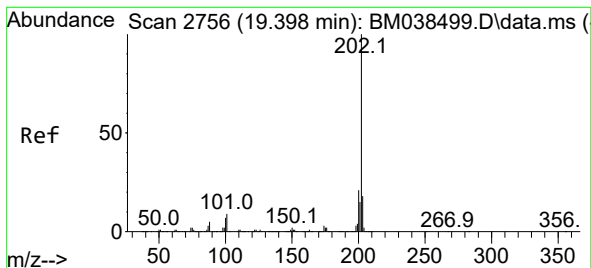
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 8.0 4.6 6.8#





#75

Fluoranthene

Concen: 3.422 ng

RT: 19.398 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

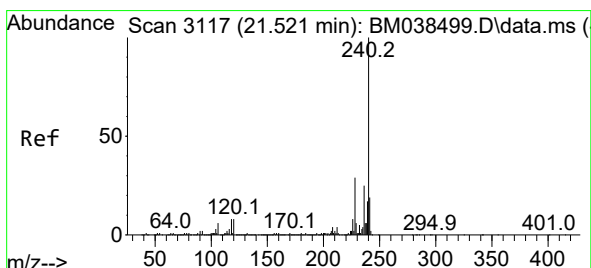
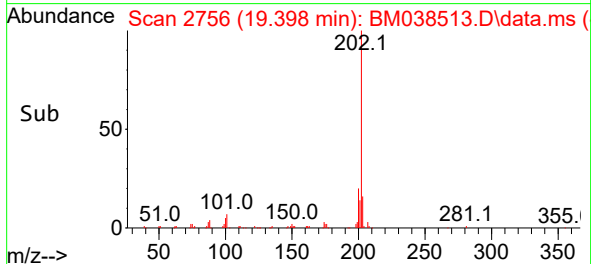
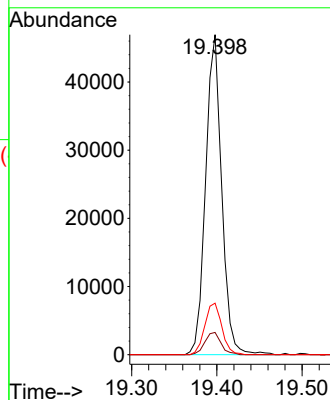
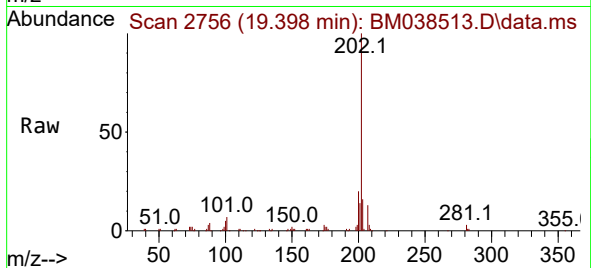
Tgt Ion:202 Resp: 61508

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.7

203 16.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

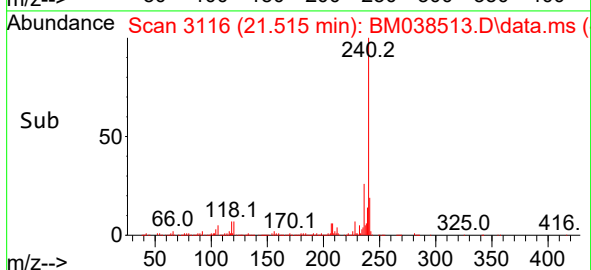
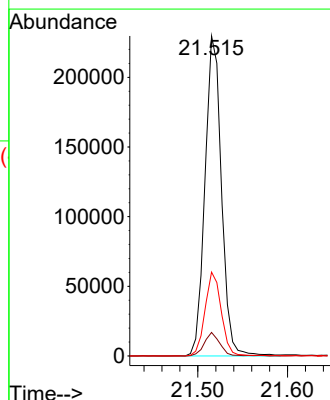
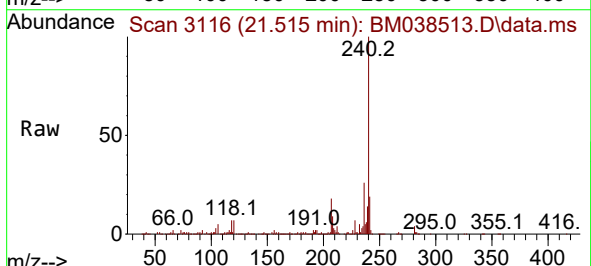
Tgt Ion:240 Resp: 293590

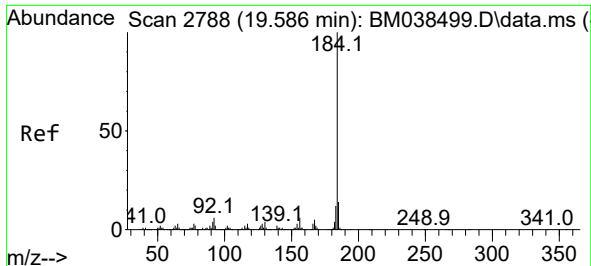
Ion Ratio Lower Upper

240 100

120 7.4 6.2 9.2

236 26.2 20.2 30.2

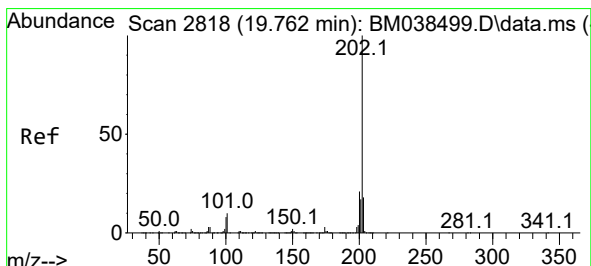
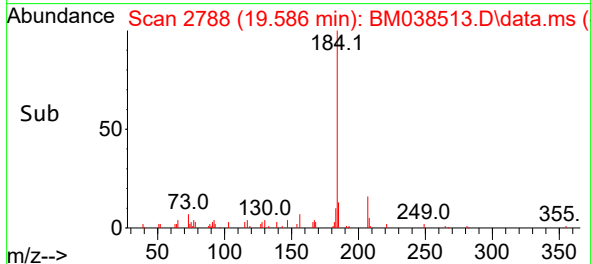
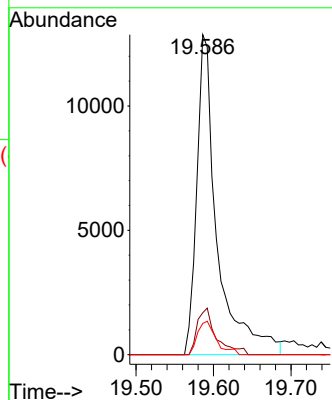
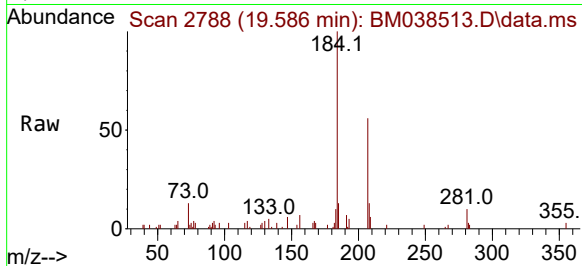




#77
Benzidine
Concen: 3.526 ng
RT: 19.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

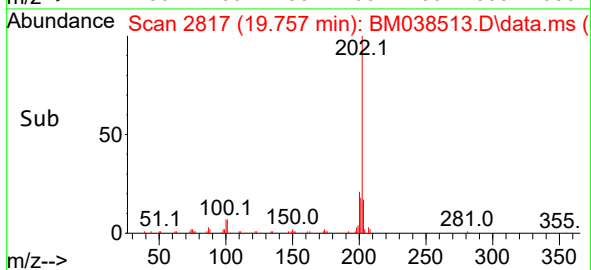
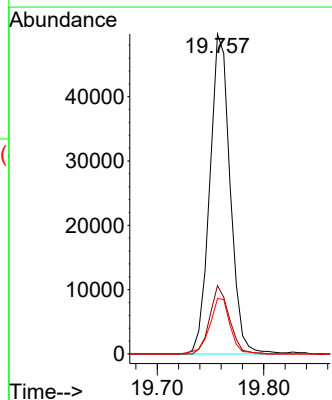
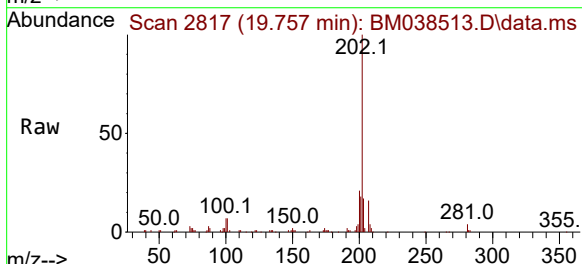
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

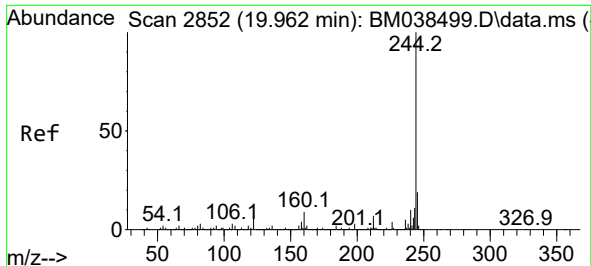
Tgt Ion:184 Resp: 23591
Ion Ratio Lower Upper
184 100
185 13.1 10.9 16.3
183 9.7 9.3 13.9



#78
Pyrene
Concen: 3.233 ng
RT: 19.757 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:202 Resp: 66093
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.3 14.2 21.2

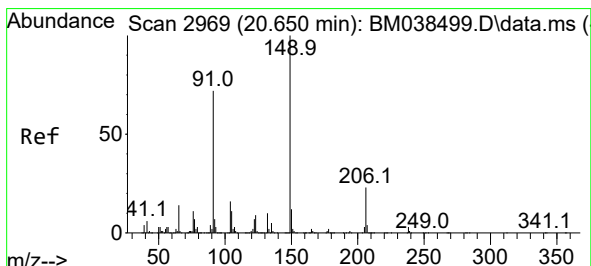
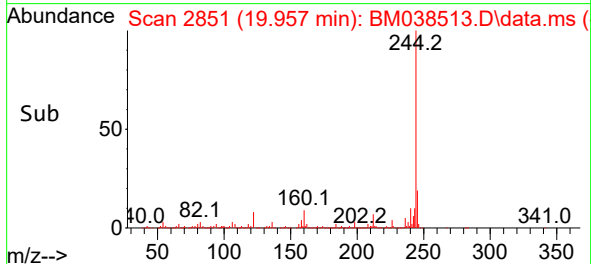
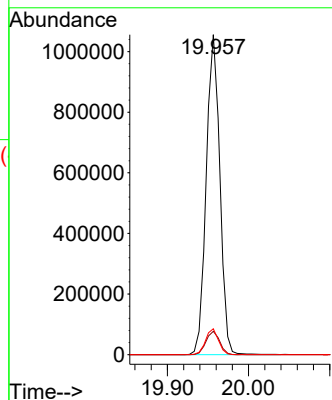
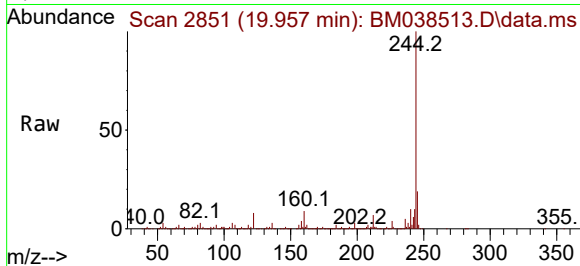




#79
 Terphenyl-d14
 Concen: 81.392 ng
 RT: 19.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038513.D
 Acq: 23 Jan 2023 17:49

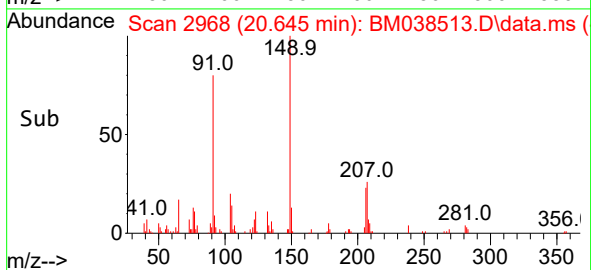
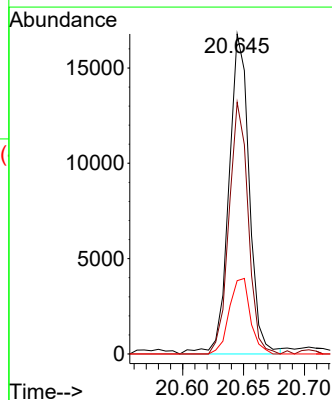
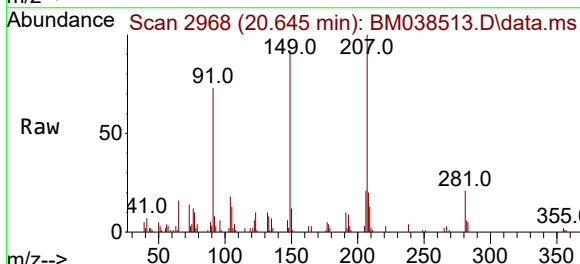
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

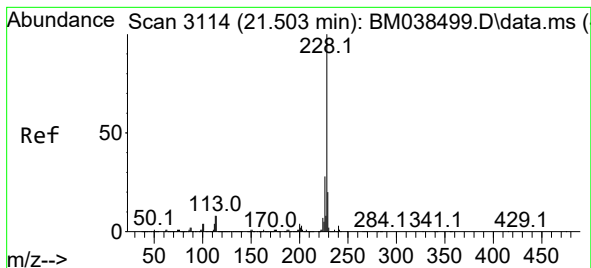
Tgt Ion:244 Resp: 1225740
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 8.1 6.7 10.1



#80
 Butylbenzylphthalate
 Concen: 2.758 ng
 RT: 20.645 min Scan# 2968
 Delta R.T. -0.006 min
 Lab File: BM038513.D
 Acq: 23 Jan 2023 17:49

Tgt Ion:149 Resp: 19500
 Ion Ratio Lower Upper
 149 100
 91 78.7 57.5 86.3
 206 22.9 18.2 27.2





#81

Benzo(a)anthracene

Concen: 3.633 ng

RT: 21.504 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

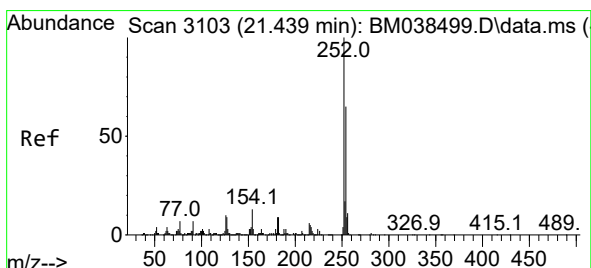
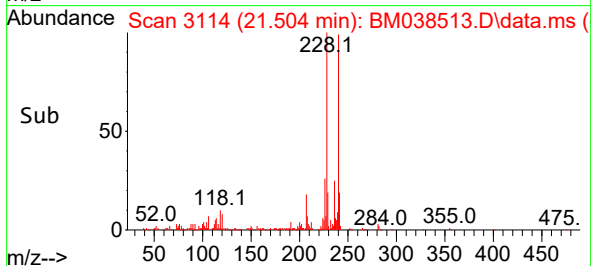
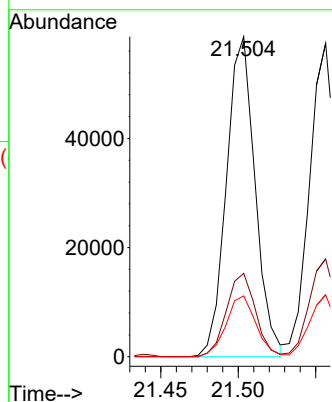
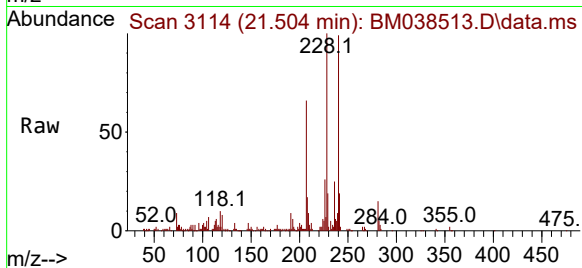
Tgt Ion:228 Resp: 75580

Ion Ratio Lower Upper

228 100

226 26.1 22.2 33.2

229 19.0 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 3.870 ng

RT: 21.439 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

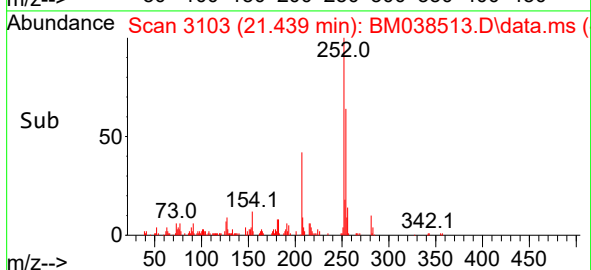
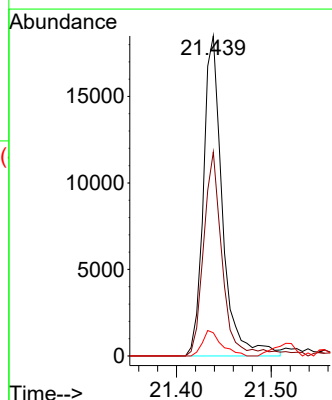
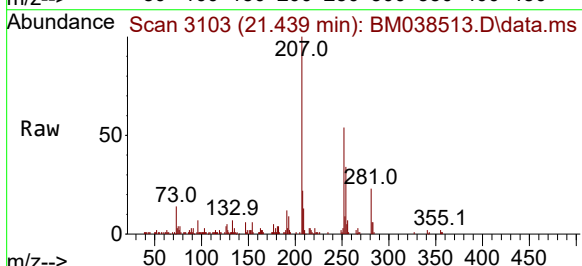
Tgt Ion:252 Resp: 25860

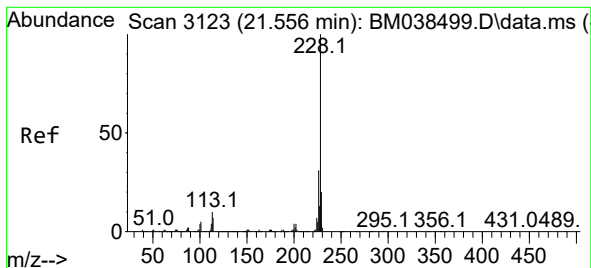
Ion Ratio Lower Upper

252 100

254 63.8 51.9 77.9

126 7.3 7.7 11.5#





#83

Chrysene

Concen: 3.626 ng

RT: 21.556 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

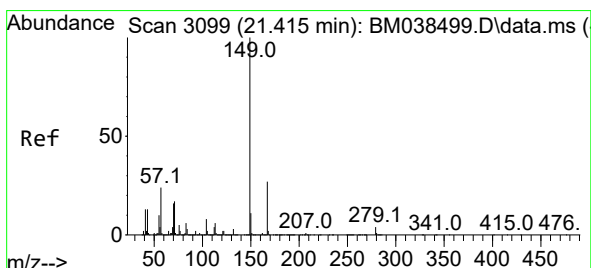
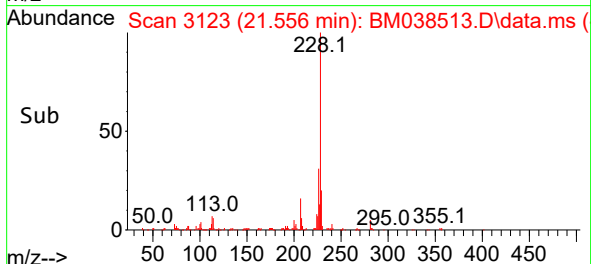
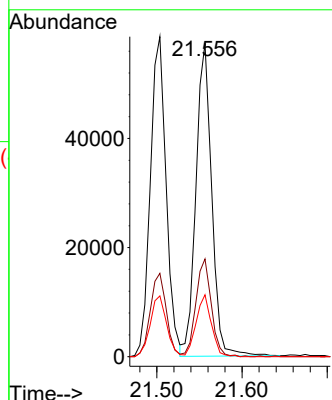
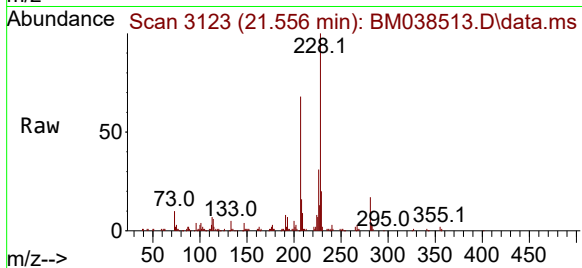
Tgt Ion:228 Resp: 73771

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.759 ng

RT: 21.415 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

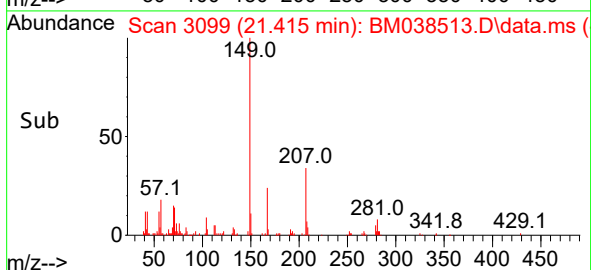
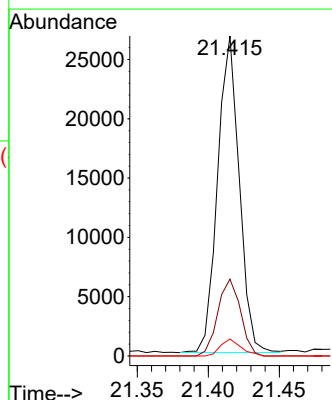
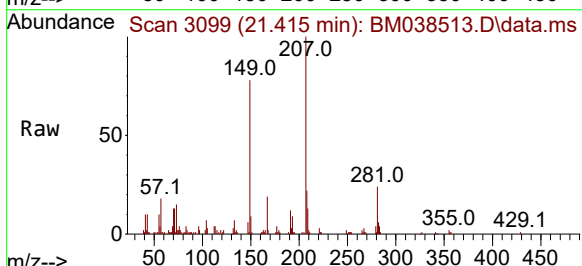
Tgt Ion:149 Resp: 28263

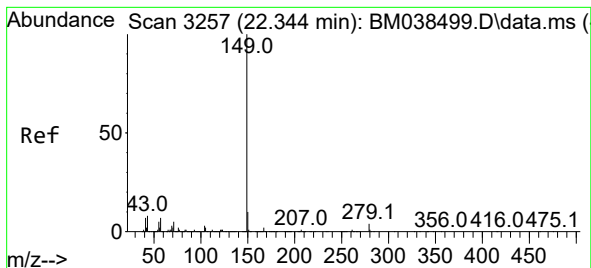
Ion Ratio Lower Upper

149 100

167 24.0 21.3 31.9

279 5.3 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 2.852 ng

RT: 22.339 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

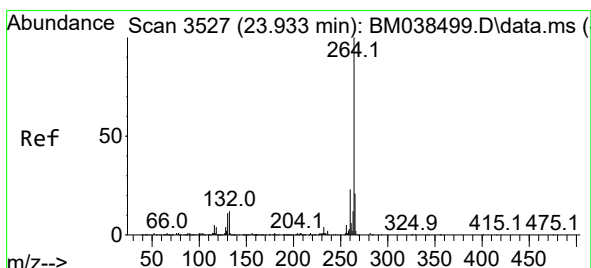
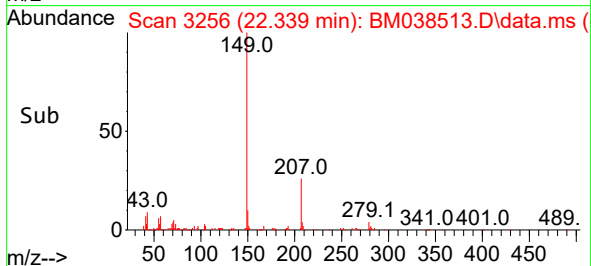
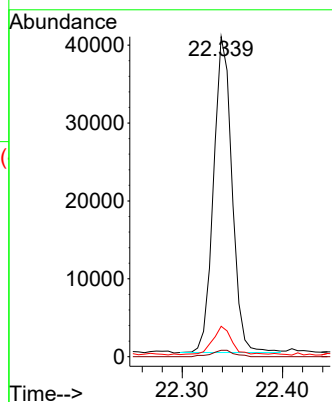
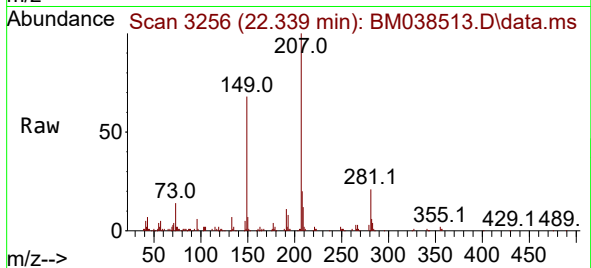
Tgt Ion:149 Resp: 51955

Ion Ratio Lower Upper

149 100

167 2.5 1.3 1.9#

43 10.3 6.7 10.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.933 min Scan# 3527

Delta R.T. 0.000 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

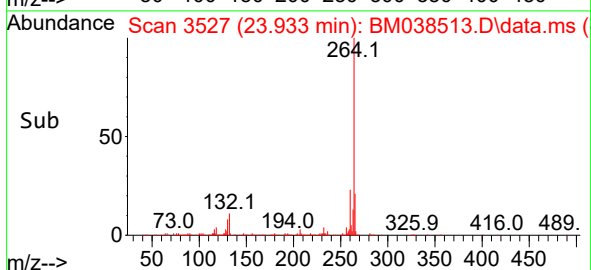
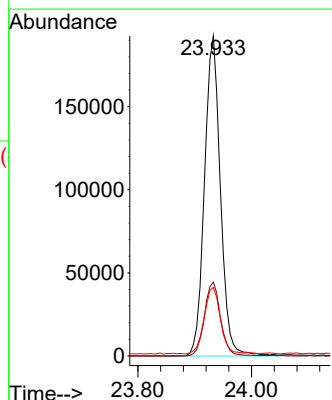
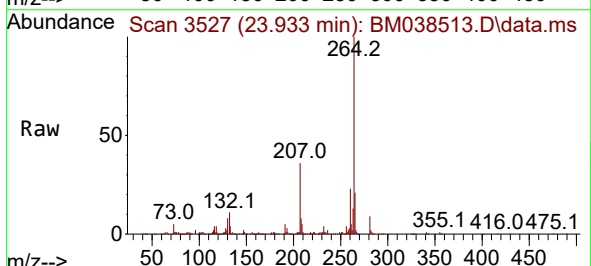
Tgt Ion:264 Resp: 374173

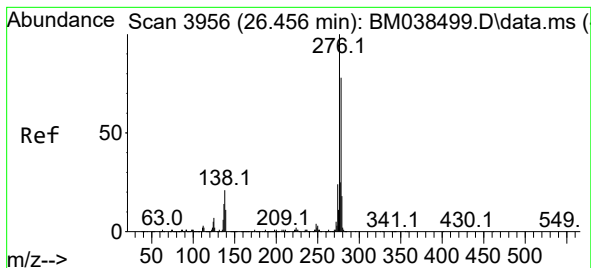
Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.489 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.011 min

Lab File: BM038513.D

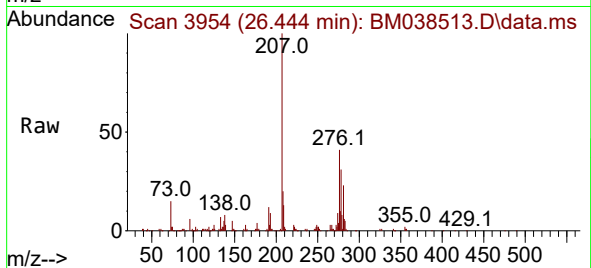
Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



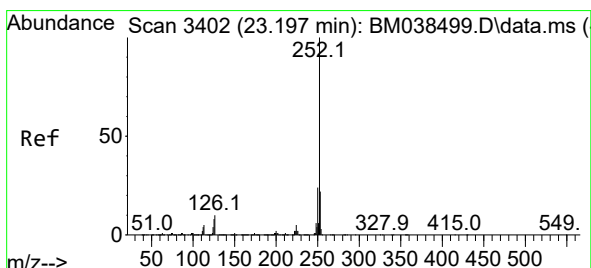
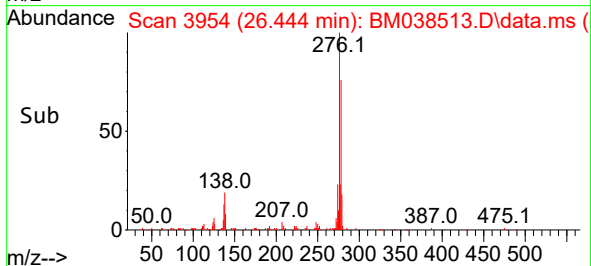
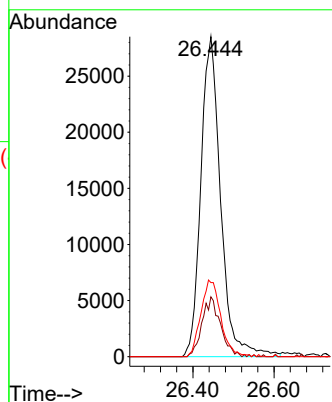
Tgt Ion:276 Resp: 96597

Ion Ratio Lower Upper

276 100

138 17.3 15.8 23.8

277 24.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 3.589 ng

RT: 23.192 min Scan# 3401

Delta R.T. -0.006 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

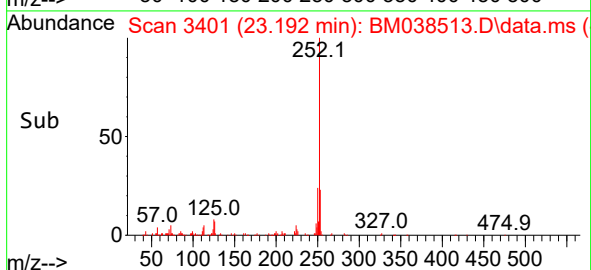
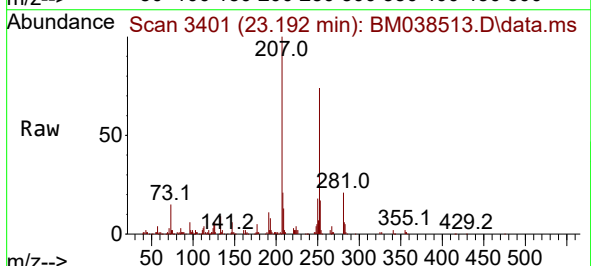
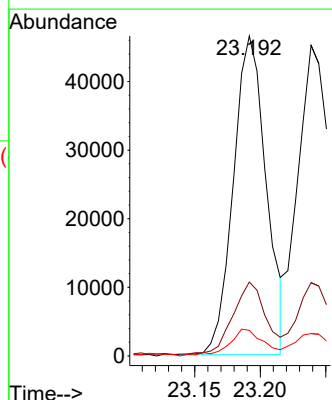
Tgt Ion:252 Resp: 81000

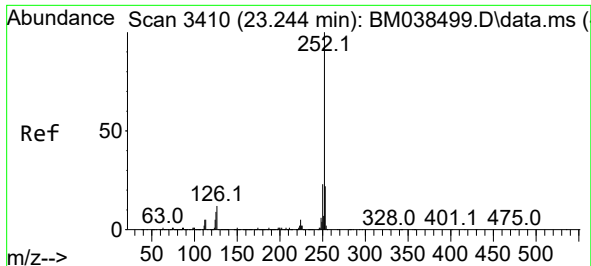
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 8.0 6.4 9.6

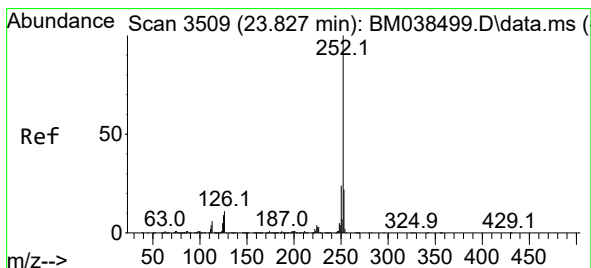
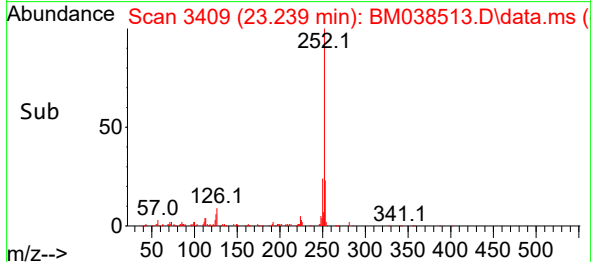
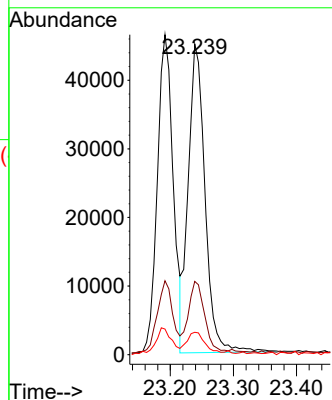
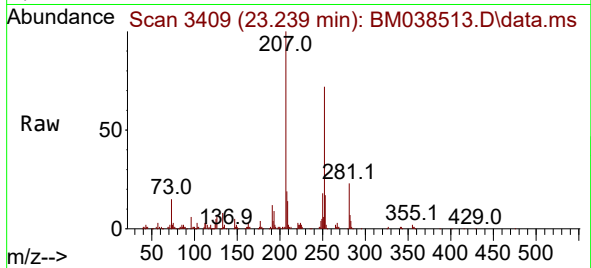




#89
Benzo(k)fluoranthene
Concen: 3.560 ng
RT: 23.239 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

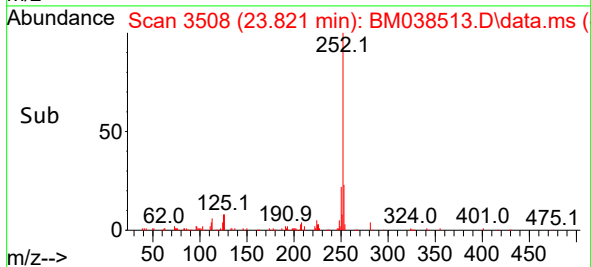
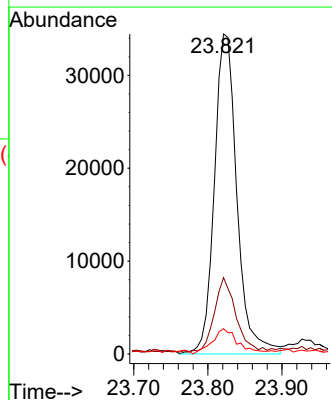
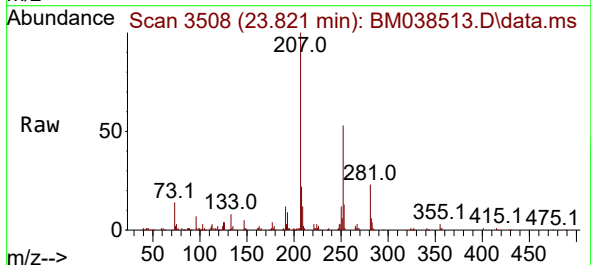
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

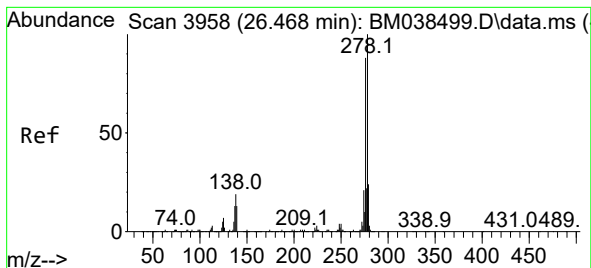
Tgt Ion:252 Resp: 83141
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 7.2 6.8 10.2



#90
Benzo(a)pyrene
Concen: 3.262 ng
RT: 23.821 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BM038513.D
Acq: 23 Jan 2023 17:49

Tgt Ion:252 Resp: 73003
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 7.9 7.3 10.9





#91

Dibenzo(a,h)anthracene

Concen: 3.636 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.011 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

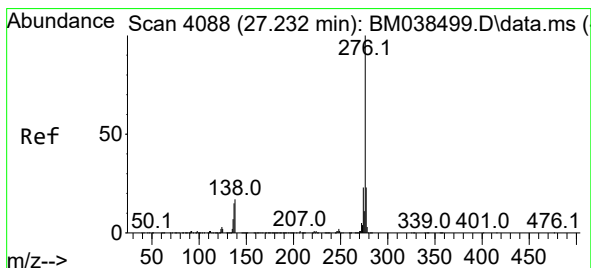
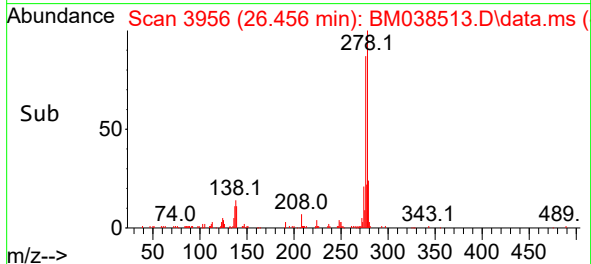
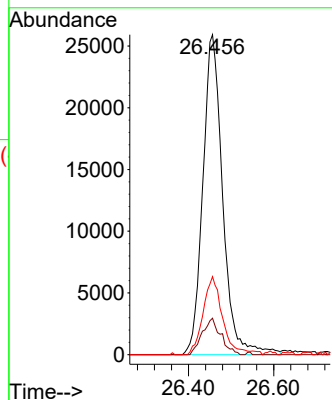
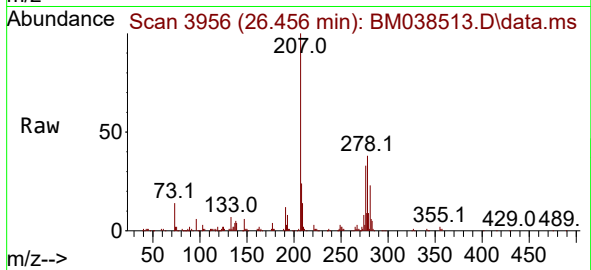
Tgt Ion:278 Resp: 83795

Ion Ratio Lower Upper

278 100

139 11.4 10.3 15.5

279 24.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.653 ng

RT: 27.215 min Scan# 4085

Delta R.T. -0.017 min

Lab File: BM038513.D

Acq: 23 Jan 2023 17:49

Tgt Ion:276 Resp: 86243

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 14.9 13.8 20.8

