

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044058.D
 Acq On : 12 Feb 2024 15:54
 Operator : MA/JU
 Sample : 04699-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Quant Time: Feb 12 16:47:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	415397	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2043086	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1279199	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2524660	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1968145	20.000	ng	0.00
86) Perylene-d12	23.897	264	2074183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	4021265	140.797	ng	0.00
7) Phenol-d6	7.075	99	5738710	157.921	ng	0.00
23) Nitrobenzene-d5	9.075	82	3155198	81.948	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1868773	134.927	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	7118480	78.537	ng	0.00
79) Terphenyl-d14	19.945	244	8926578	79.509	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	46925	4.140	ng	99
3) Pyridine	3.793	79	115840	3.871	ng	96
4) n-Nitrosodimethylamine	3.710	42	46545	4.099	ng	# 91
6) Aniline	7.239	93	183178	5.127	ng	95
8) 2-Chlorophenol	7.463	128	116629	3.910	ng	95
9) Benzaldehyde	7.051	77	106909	5.725	ng	94
10) Phenol	7.098	94	174049	4.746	ng	91
11) bis(2-Chloroethyl)ether	7.339	93	129819	4.275	ng	99
12) 1,3-Dichlorobenzene	7.792	146	122794	3.626	ng	99
13) 1,4-Dichlorobenzene	7.939	146	124752	3.655	ng	98
14) 1,2-Dichlorobenzene	8.257	146	121064	3.722	ng	99
15) Benzyl Alcohol	8.151	79	109895	4.645	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.439	45	179437	4.661	ng	98
17) 2-Methylphenol	8.351	107	102980	4.278	ng	98
18) Hexachloroethane	8.975	117	45065	3.526	ng	98
19) n-Nitroso-di-n-propyla...	8.722	70	106965	4.794	ng	98
20) 3+4-Methylphenols	8.681	107	140143	4.230	ng	97
22) Acetophenone	8.733	105	212531	4.098	ng	# 96
24) Nitrobenzene	9.116	77	157621	3.998	ng	98
25) Isophorone	9.639	82	277735	3.746	ng	99
26) 2-Nitrophenol	9.828	139	56729	3.103	ng	99
27) 2,4-Dimethylphenol	9.886	122	101205	4.330	ng	100
28) bis(2-Chloroethoxy)met...	10.133	93	190927	3.982	ng	99
29) 2,4-Dichlorophenol	10.351	162	107997	3.509	ng	97
30) 1,2,4-Trichlorobenzene	10.569	180	121524	3.512	ng	98
31) Naphthalene	10.757	128	414367	3.675	ng	99
33) 4-Chloroaniline	10.880	127	168667	3.950	ng	99
34) Hexachlorobutadiene	11.033	225	68008	3.434	ng	94
35) Caprolactam	11.645	113	30318	3.062	ng	96
36) 4-Chloro-3-methylphenol	11.998	107	114021	3.422	ng	99
37) 2-Methylnaphthalene	12.369	142	286491	3.814	ng	99
38) 1-Methylnaphthalene	12.586	142	280083	3.795	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	139101	3.741	ng	99
41) Hexachlorocyclopentadiene	12.704	237	61169	3.770	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	77235	3.052	ng	99
44) 2,4,5-Trichlorophenol	13.045	196	87766	3.161	ng	95

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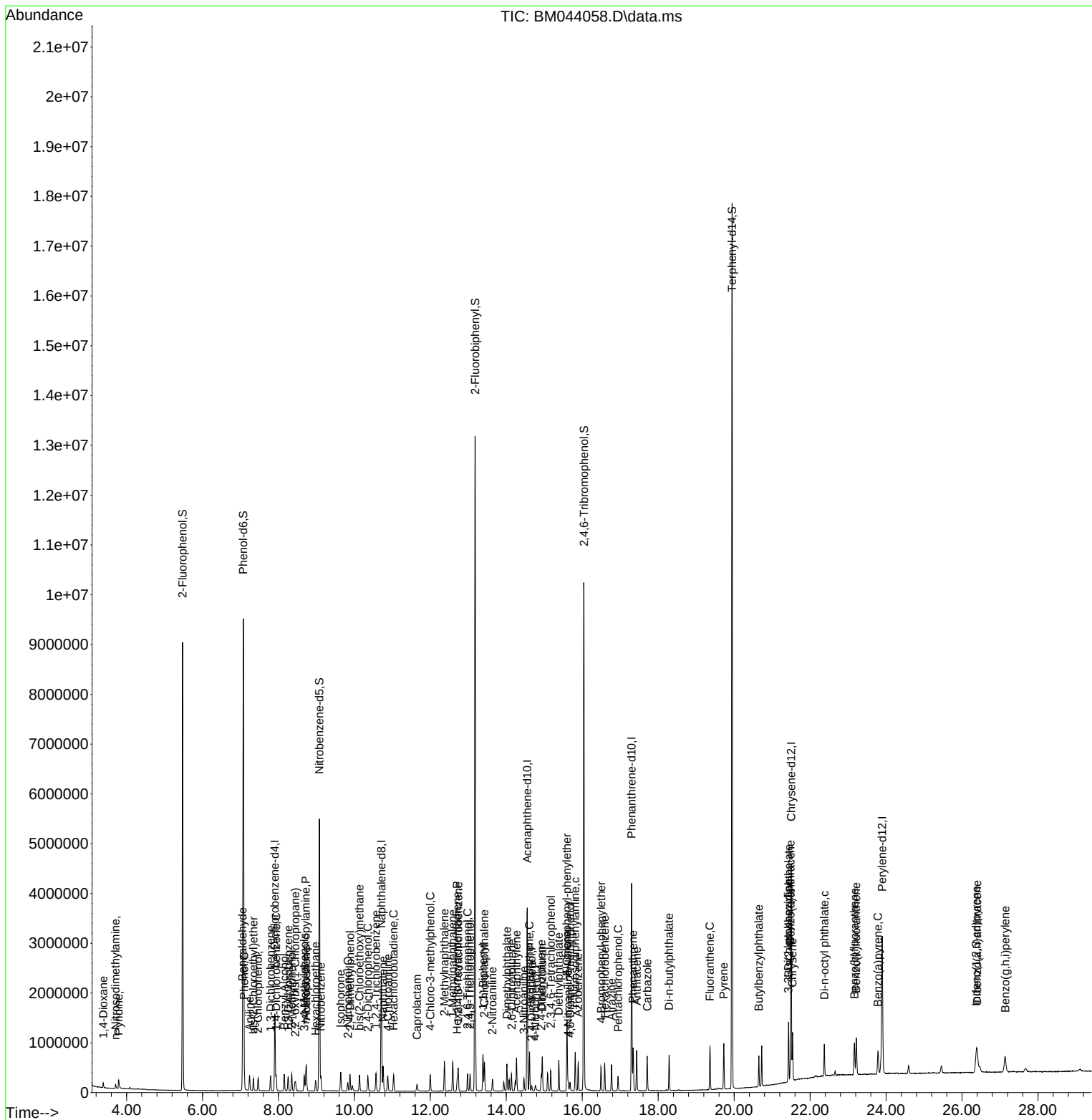
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.386	154	384946	3.814	ng	99
47) 2-Chloronaphthalene	13.421	162	290106	3.628	ng	98
48) 2-Nitroaniline	13.633	65	68254	3.034	ng	92
49) Acenaphthylene	14.268	152	465605	3.903	ng	100
50) Dimethylphthalate	14.016	163	350758	3.698	ng	99
51) 2,6-Dinitrotoluene	14.139	165	64862	3.100	ng	94
52) Acenaphthene	14.610	154	270688	3.666	ng	98
53) 3-Nitroaniline	14.463	138	65048	2.892	ng	93
54) 2,4-Dinitrophenol	14.668	184	19686	7.046	ng	93
55) Dibenzofuran	14.945	168	444984	3.894	ng	99
56) 4-Nitrophenol	14.768	139	42665	2.334	ng	83
57) 2,4-Dinitrotoluene	14.921	165	76298	2.790	ng	# 92
58) Fluorene	15.598	166	343449	3.890	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	75064	3.445	ng	99
60) Diethylphthalate	15.380	149	341352	3.482	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	165830	3.876	ng	99
62) 4-Nitroaniline	15.627	138	58738	2.595	ng	97
63) Azobenzene	15.892	77	324656	3.530	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	31188	2.073	ng	97
66) n-Nitrosodiphenylamine	15.815	169	279804	3.648	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	86051	3.447	ng	97
68) Hexachlorobenzene	16.592	284	112748	3.687	ng	99
69) Atrazine	16.774	200	85955	4.139	ng	98
70) Pentachlorophenol	16.945	266	48964	2.462	ng	95
71) Phenanthrene	17.339	178	520721	3.906	ng	100
72) Anthracene	17.433	178	491982	3.728	ng	98
73) Carbazole	17.709	167	442093	3.444	ng	99
74) Di-n-butylphthalate	18.286	149	508941	3.050	ng	98
75) Fluoranthene	19.362	202	520218	3.474	ng	99
78) Pyrene	19.727	202	539383	3.558	ng	99
80) Butylbenzylphthalate	20.650	149	177217	2.630	ng	97
81) Benzo(a)anthracene	21.486	228	497976	3.637	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	139104	3.097	ng	99
83) Chrysene	21.539	228	473679	3.662	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	271154	2.728	ng	99
85) Di-n-octyl phthalate	22.374	149	405954	2.338	ng	96
87) Indeno(1,2,3-cd)pyrene	26.374	276	499510	3.403	ng	100
88) Benzo(b)fluoranthene	23.168	252	463221	3.573	ng	99
89) Benzo(k)fluoranthene	23.215	252	439661	3.569	ng	99
90) Benzo(a)pyrene	23.785	252	376498	3.324	ng	99
91) Dibenzo(a,h)anthracene	26.397	278	423531	3.449	ng	99
92) Benzo(g,h,i)perylene	27.138	276	411535	3.305	ng	98

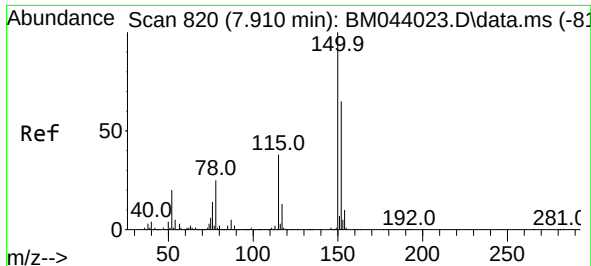
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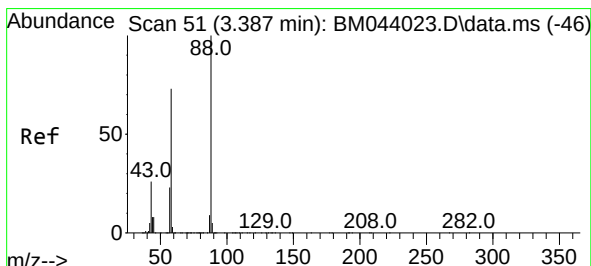
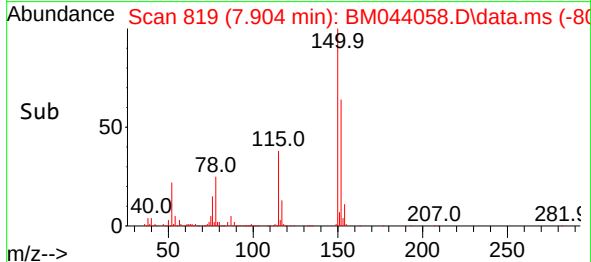
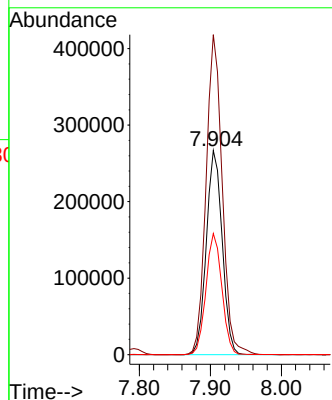
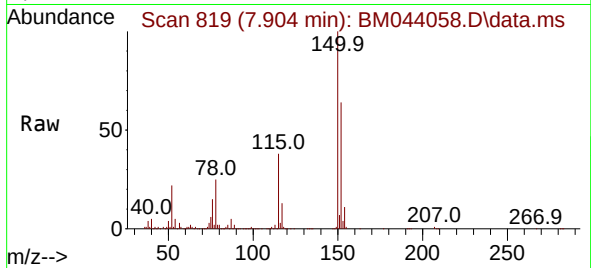




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.904 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

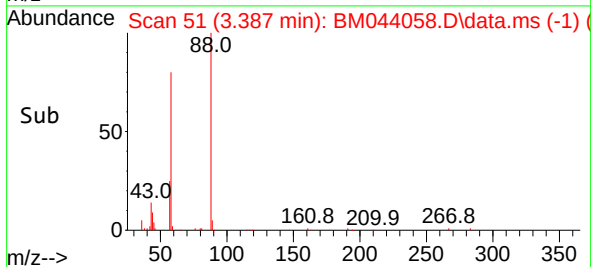
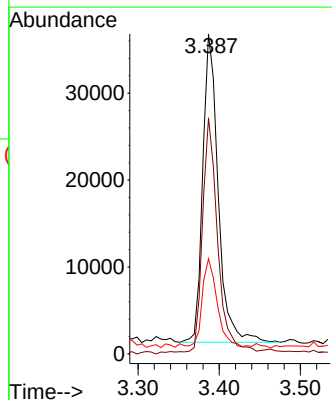
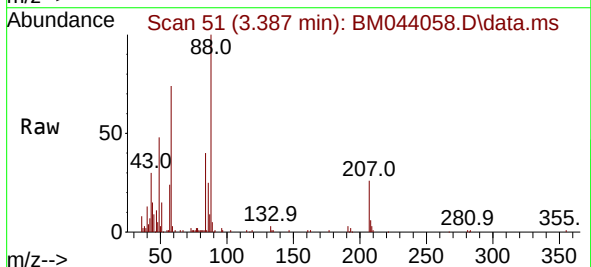
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 ClientSampleId :
 MDL-SOIL-03-QT4-2023

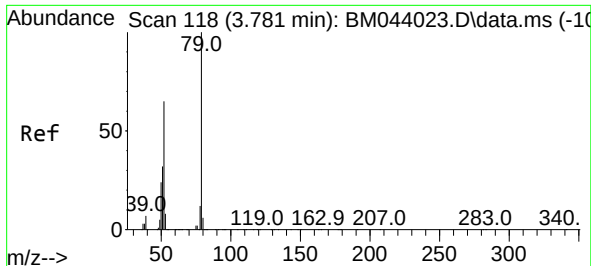
Tgt Ion:152 Resp: 415397
 Ion Ratio Lower Upper
 152 100
 150 156.7 122.7 184.1
 115 59.3 47.0 70.6



#2
 1,4-Dioxane
 Concen: 4.140 ng
 RT: 3.387 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

Tgt Ion: 88 Resp: 46925
 Ion Ratio Lower Upper
 88 100
 58 73.1 58.1 87.1
 43 28.3 21.1 31.7

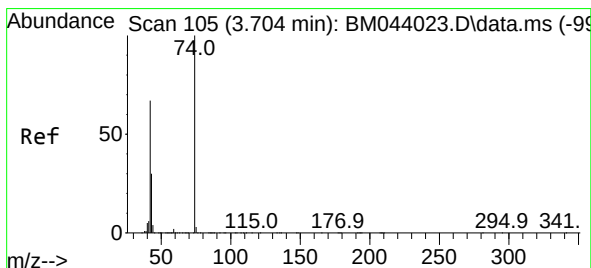
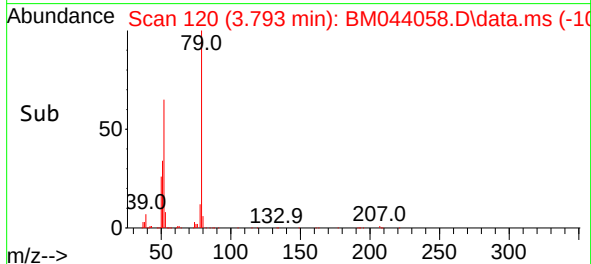
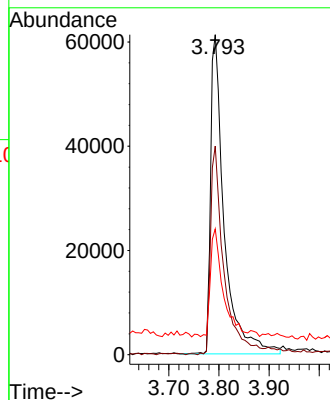
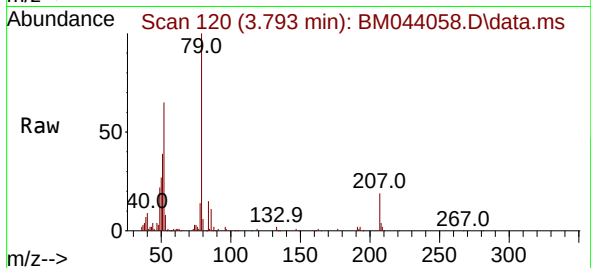




#3
Pyridine
Concen: 3.871 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

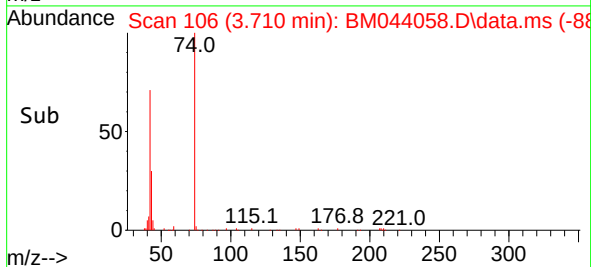
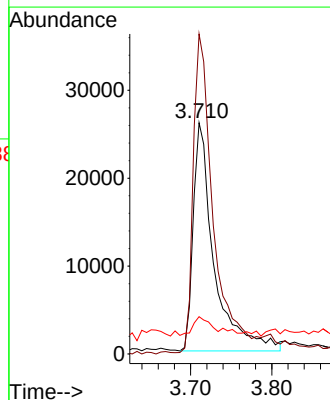
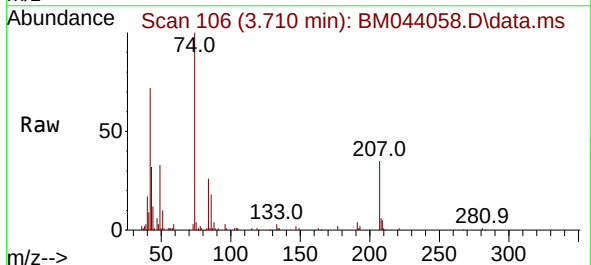
Instrument :
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ClientSampleId :
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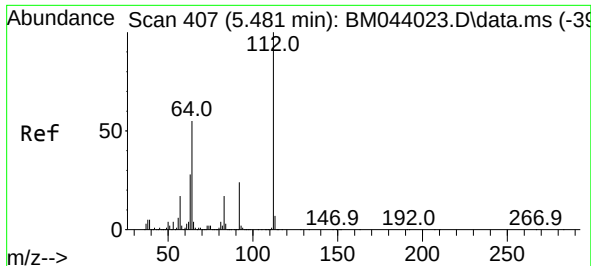
Tgt Ion: 79 Resp: 115840
Ion Ratio Lower Upper
79 100
52 65.2 52.2 78.2
51 39.3 26.2 39.4



#4
n-Nitrosodimethylamine
Concen: 4.099 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 42 Resp: 46545
Ion Ratio Lower Upper
42 100
74 138.4 118.6 178.0
44 16.1 5.6 8.4

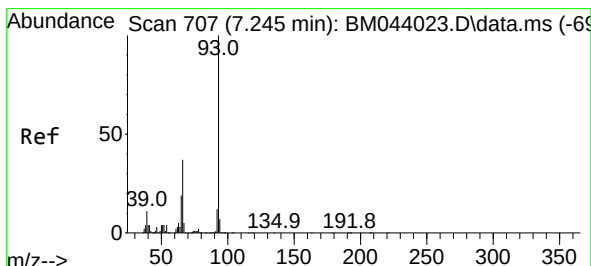
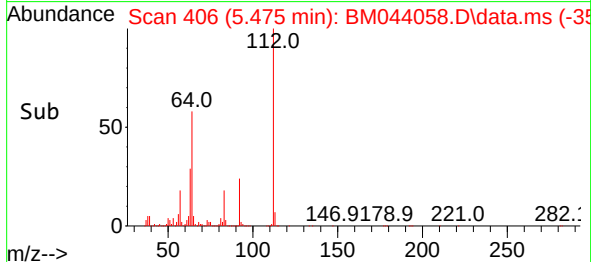
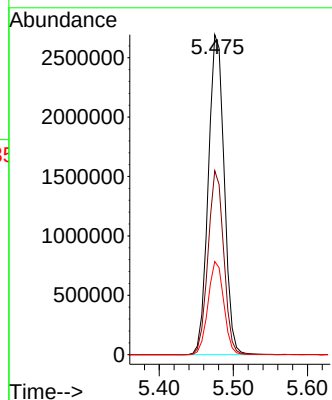
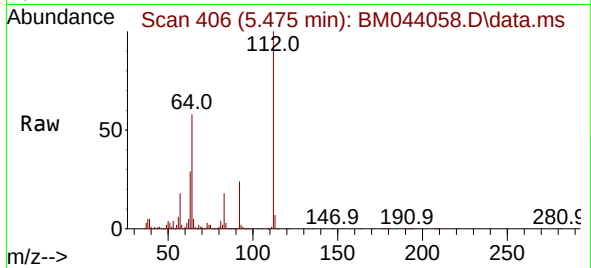




#5
2-Fluorophenol
Concen: 140.797 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

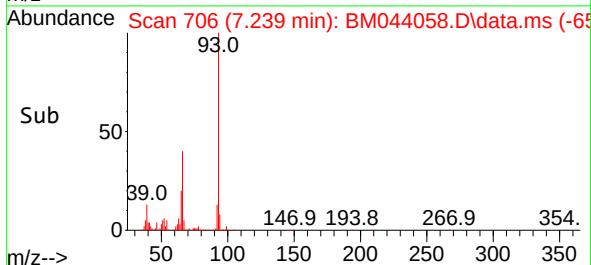
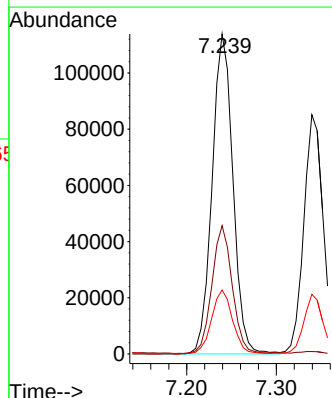
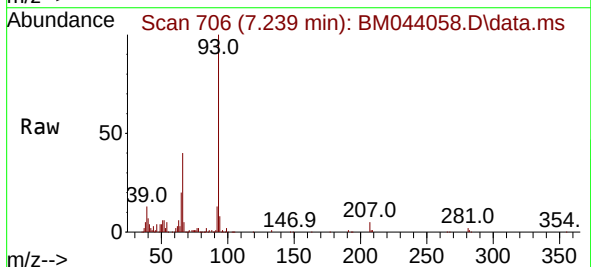
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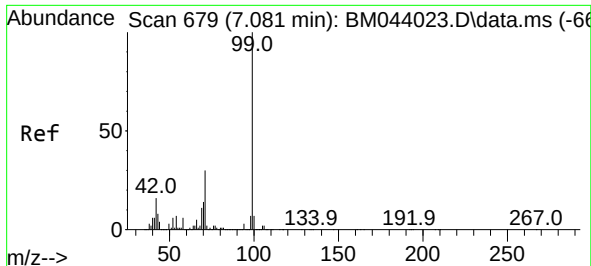
Tgt Ion:112 Resp: 4021265
Ion Ratio Lower Upper
112 100
64 57.5 44.2 66.4
63 29.1 22.6 34.0



#6
Aniline
Concen: 5.127 ng
RT: 7.239 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 93 Resp: 183178
Ion Ratio Lower Upper
93 100
66 40.1 29.4 44.0
65 20.0 15.2 22.8

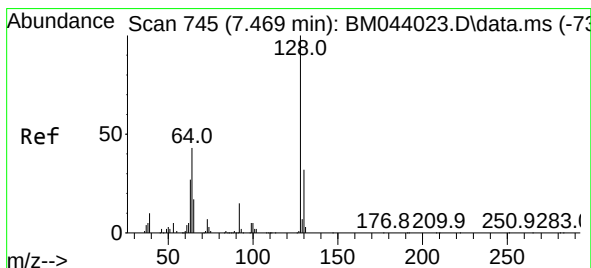
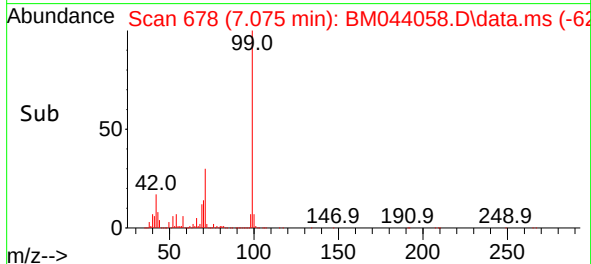
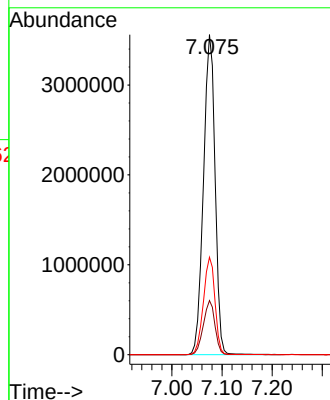
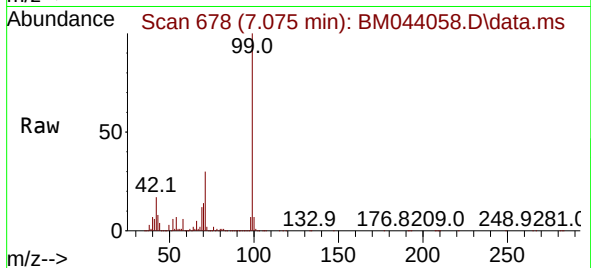




#7
Phenol-d6
Concen: 157.921 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

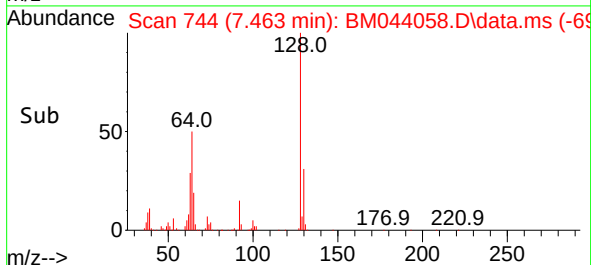
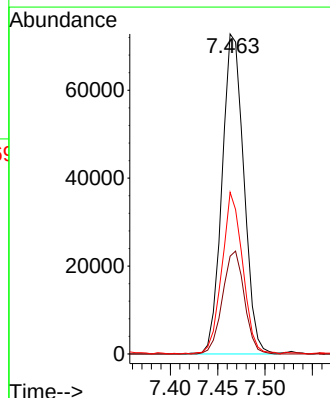
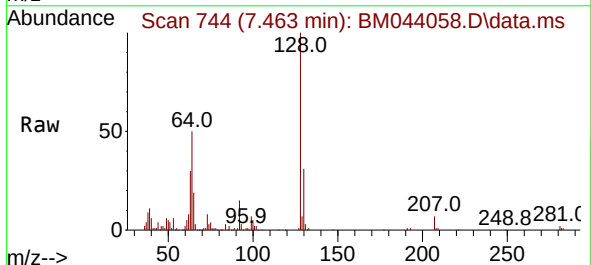
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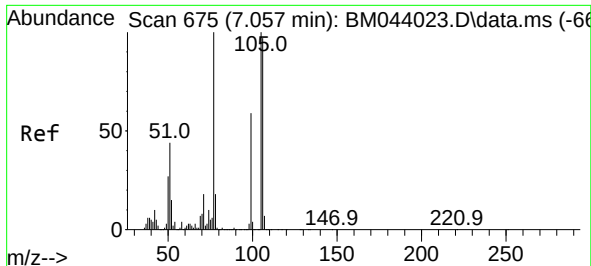
Tgt Ion: 99 Resp: 5738710
Ion Ratio Lower Upper
99 100
42 16.9 12.9 19.3
71 30.4 23.9 35.9



#8
2-Chlorophenol
Concen: 3.910 ng
RT: 7.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 128 Resp: 116629
Ion Ratio Lower Upper
128 100
130 30.6 12.1 52.1
64 50.5 26.0 66.0

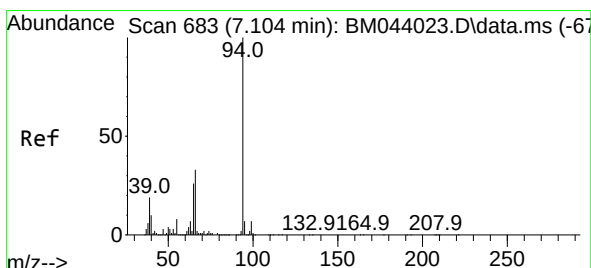
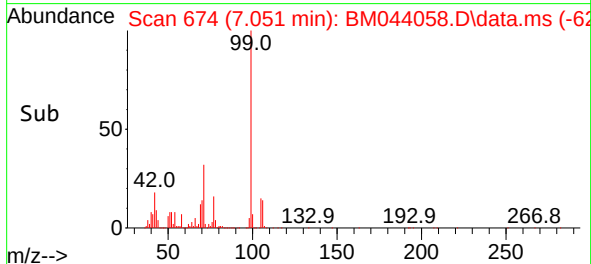
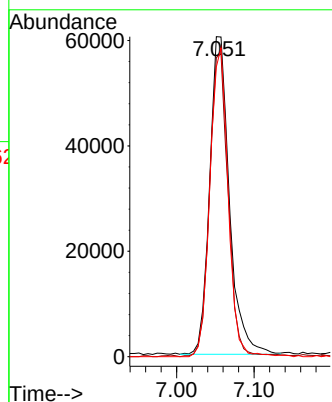
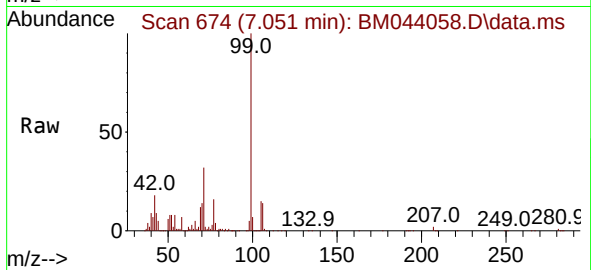




#9
Benzaldehyde
Concen: 5.725 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
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Acq: 12 Feb 2024 15:54

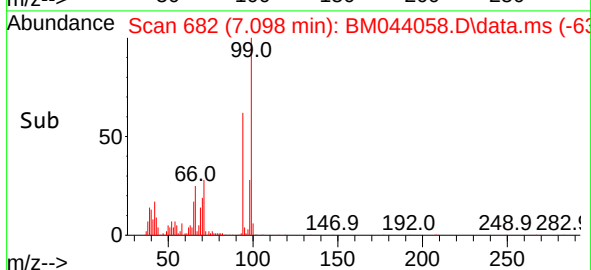
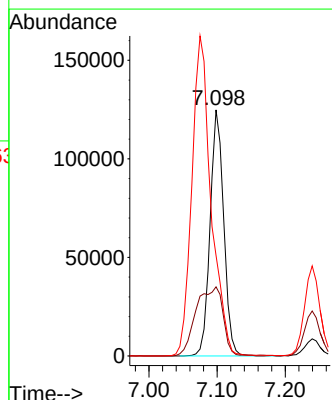
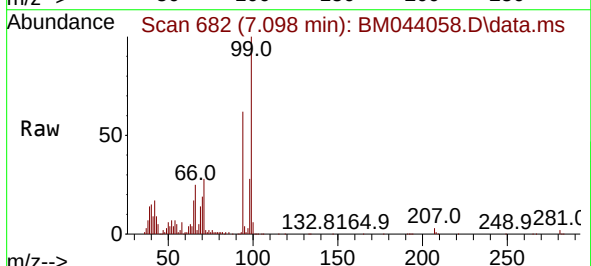
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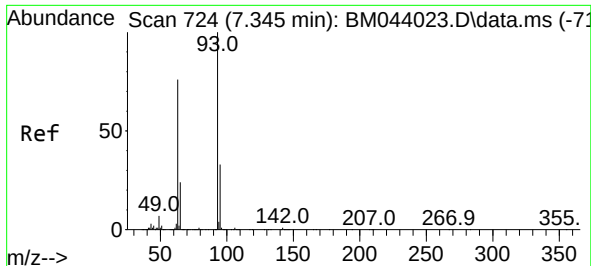
Tgt Ion: 77 Resp: 106909
Ion Ratio Lower Upper
77 100
105 93.4 80.0 120.0
106 90.6 76.8 116.8



#10
Phenol
Concen: 4.746 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 94 Resp: 174049
Ion Ratio Lower Upper
94 100
65 28.1 6.4 46.4
66 40.8 13.2 53.2

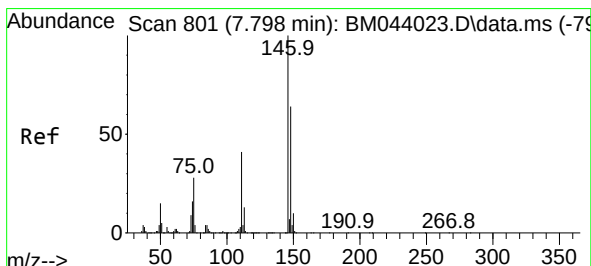
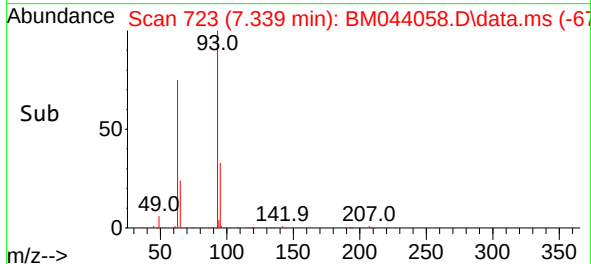
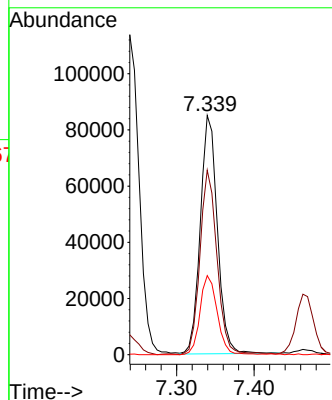
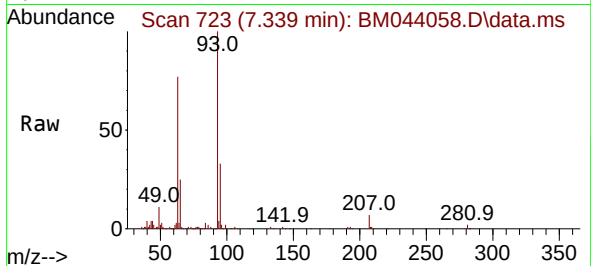




#11
bis(2-Chloroethyl)ether
Concen: 4.275 ng
RT: 7.339 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

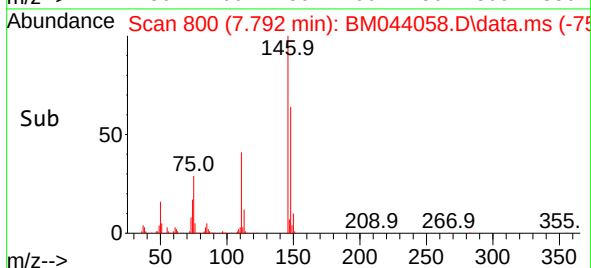
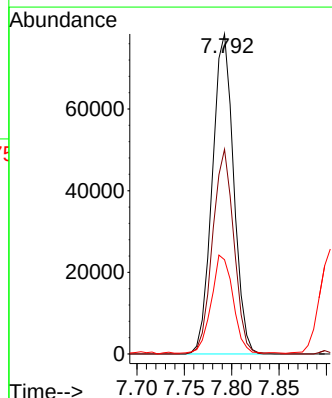
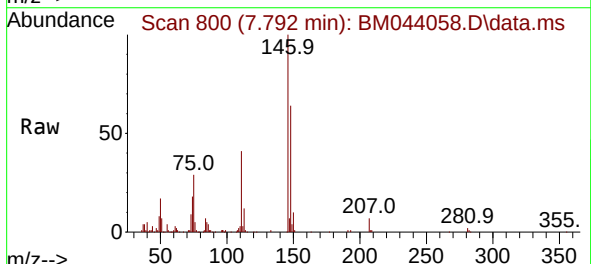
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

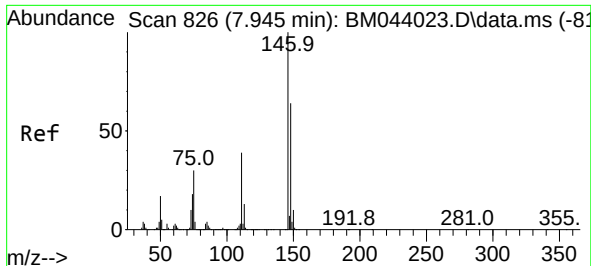
Tgt Ion: 93 Resp: 129819
Ion Ratio Lower Upper
93 100
63 77.1 55.9 95.9
95 33.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 3.626 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:146 Resp: 122794
Ion Ratio Lower Upper
146 100
148 63.9 51.3 76.9
75 29.5 22.7 34.1

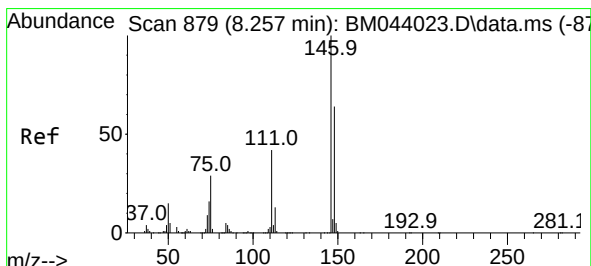
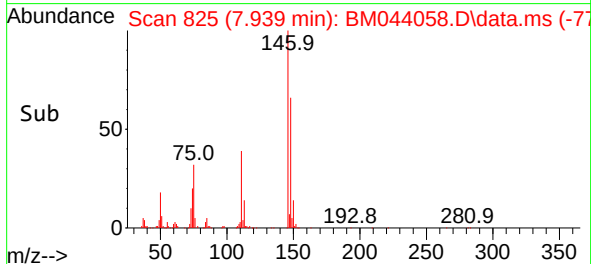
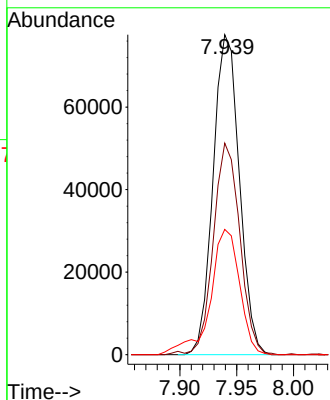
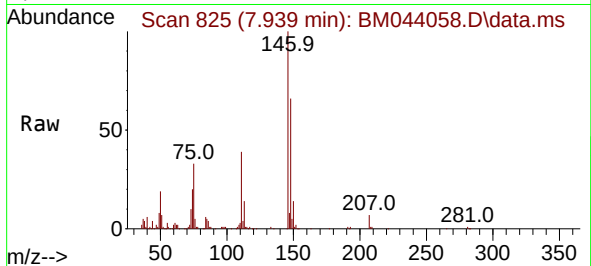




#13
1,4-Dichlorobenzene
Concen: 3.655 ng
RT: 7.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

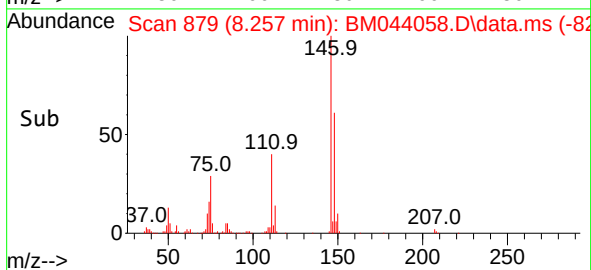
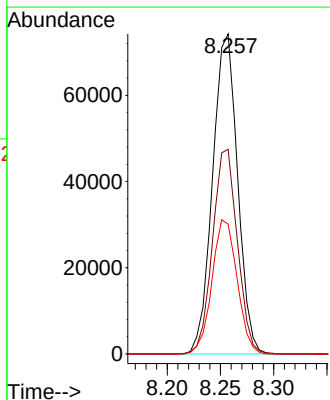
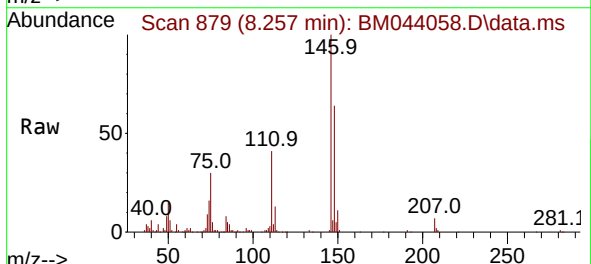
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

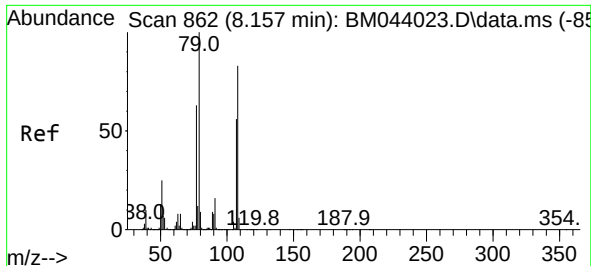
Tgt Ion:146 Resp: 124752
Ion Ratio Lower Upper
146 100
148 66.1 51.2 76.8
111 39.1 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 3.722 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:146 Resp: 121064
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.2
111 40.6 33.7 50.5

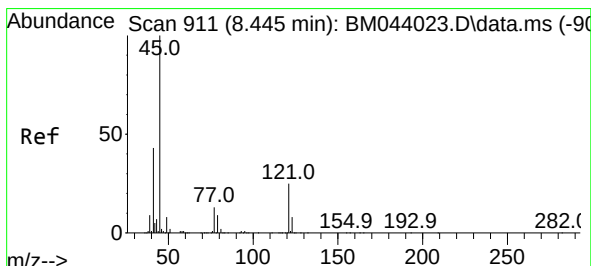
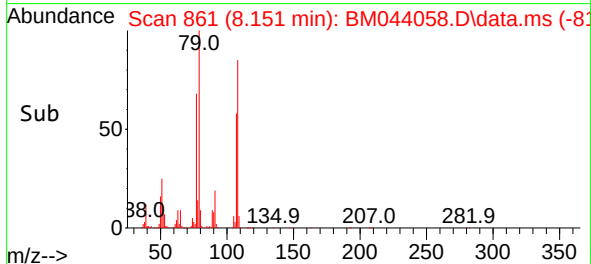
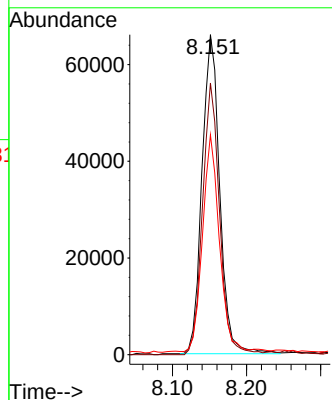
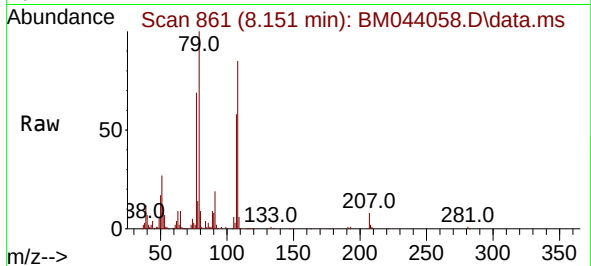




#15
Benzyl Alcohol
Concen: 4.645 ng
RT: 8.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

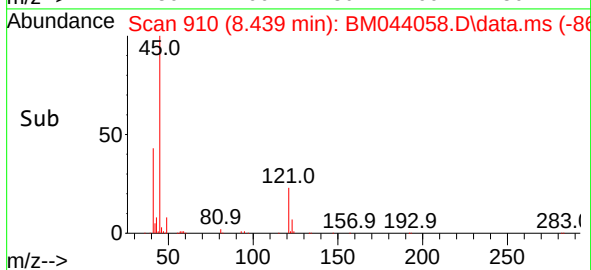
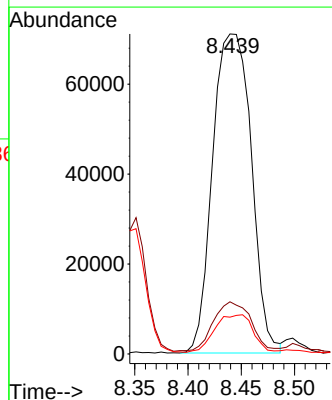
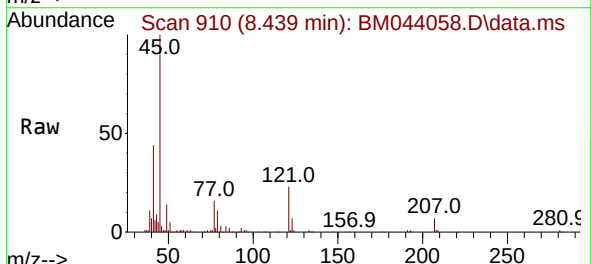
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

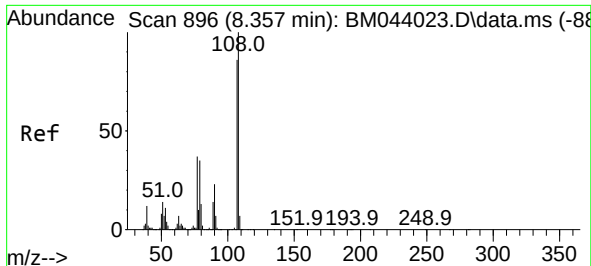
Tgt Ion: 79 Resp: 109895
Ion Ratio Lower Upper
79 100
108 84.9 66.0 99.0
77 68.7 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.661 ng
RT: 8.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 45 Resp: 179437
Ion Ratio Lower Upper
45 100
77 16.3 0.0 35.1
79 11.5 0.0 31.5

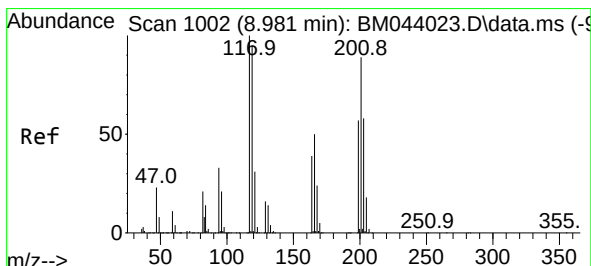
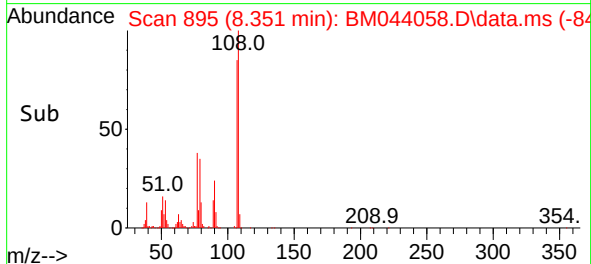
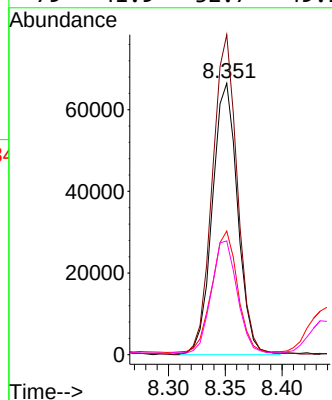
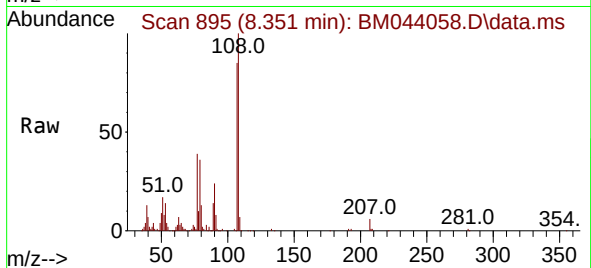




#17
2-Methylphenol
Concen: 4.278 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

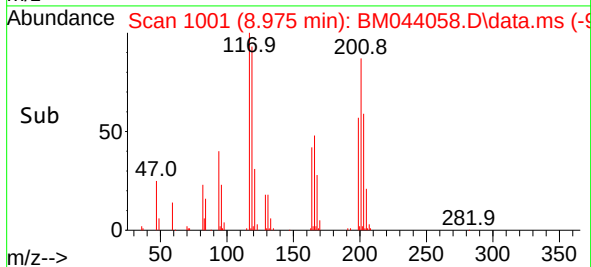
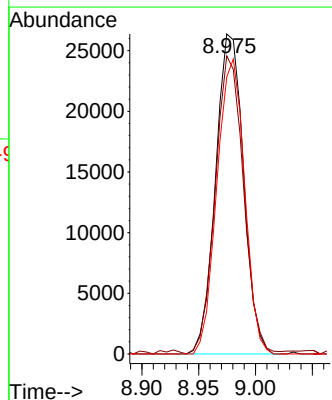
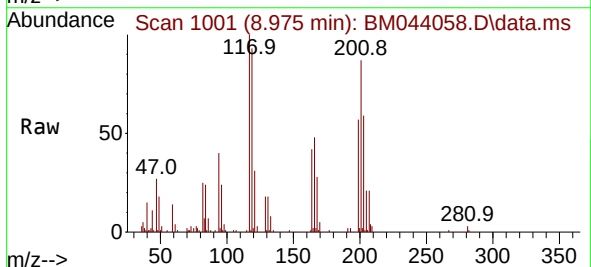
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

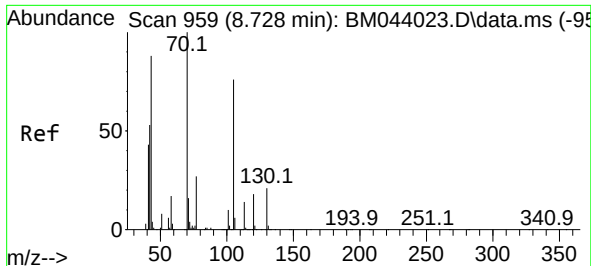
Tgt Ion:107 Resp: 102980
Ion Ratio Lower Upper
107 100
108 117.9 93.4 140.2
77 45.6 34.7 52.1
79 41.9 32.7 49.1



#18
Hexachloroethane
Concen: 3.526 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:117 Resp: 45065
Ion Ratio Lower Upper
117 100
119 93.2 75.7 113.5
201 86.5 71.5 107.3

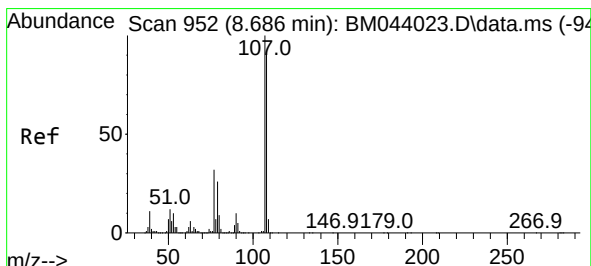
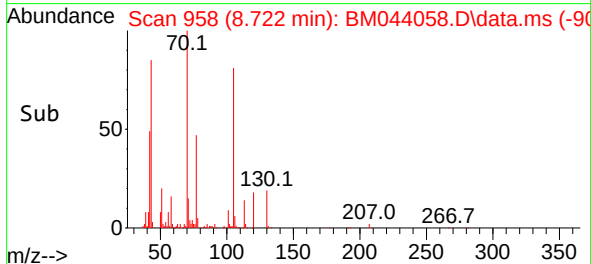
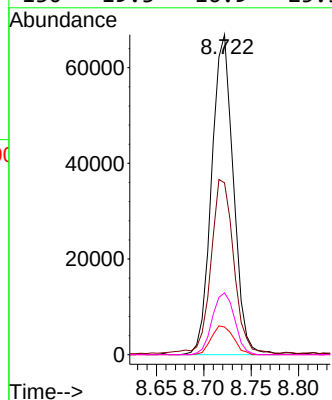
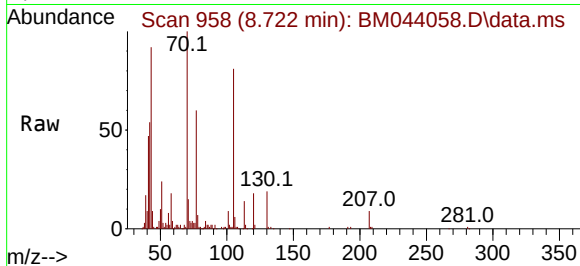




#19
n-Nitroso-di-n-propylamine
Concen: 4.794 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

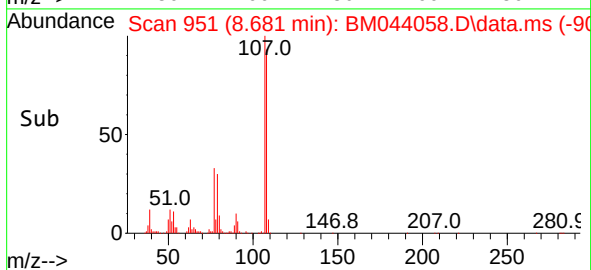
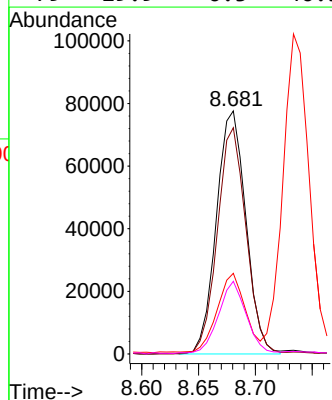
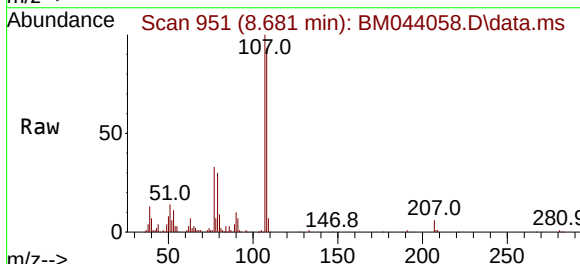
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

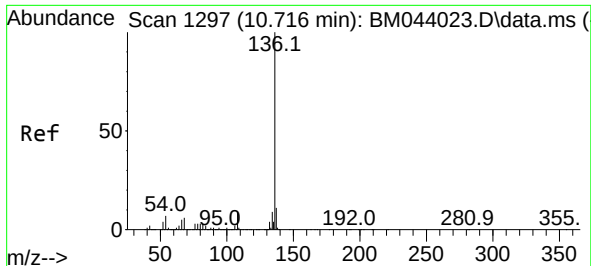
Tgt Ion:	70	Resp:	106965
Ion	Ratio	Lower	Upper
70	100		
42	53.7	42.6	64.0
101	8.6	7.8	11.6
130	19.3	16.9	25.3



#20
3+4-Methylphenols
Concen: 4.230 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:	107	Resp:	140143
Ion	Ratio	Lower	Upper
107	100		
108	93.1	71.5	111.5
77	33.2	11.8	51.8
79	29.9	6.3	46.3



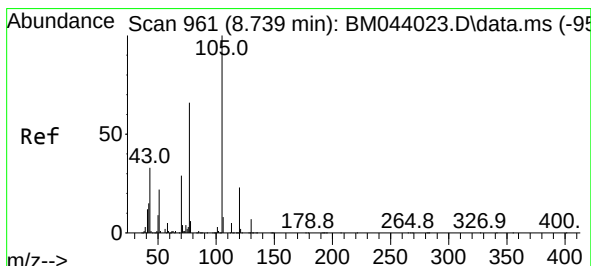
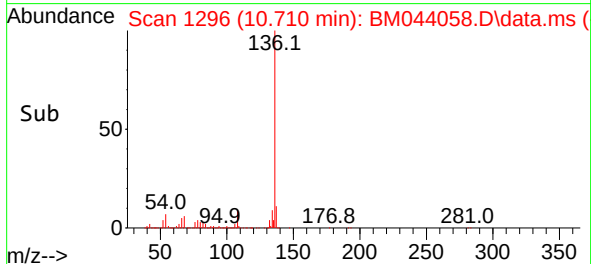
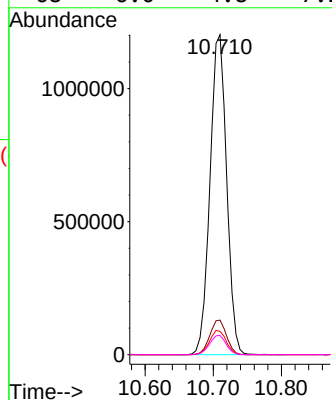
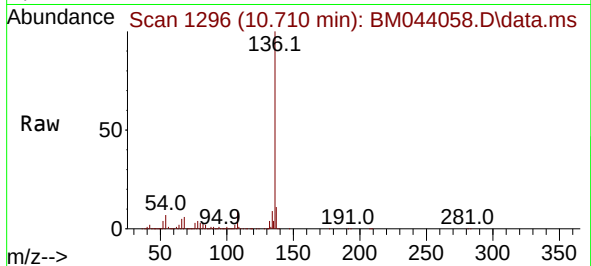


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:136 Resp: 2043086

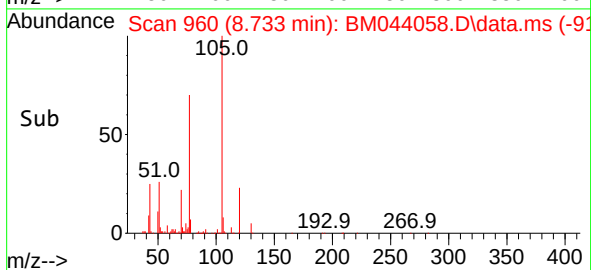
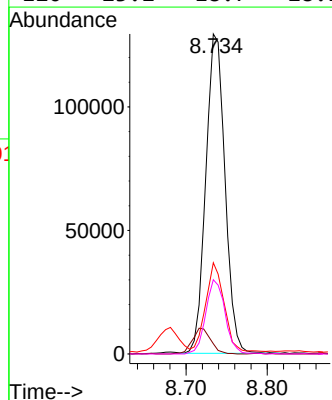
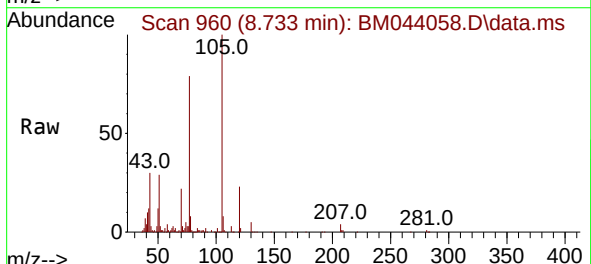
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.3	5.9	8.9
68	6.0	4.8	7.2

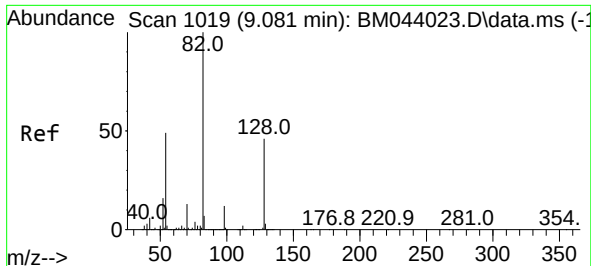


#22
Acetophenone
Concen: 4.098 ng
RT: 8.733 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:105 Resp: 212531

Ion	Ratio	Lower	Upper
105	100		
71	3.2	4.0	6.0#
51	28.5	20.1	30.1
120	23.2	18.7	28.1

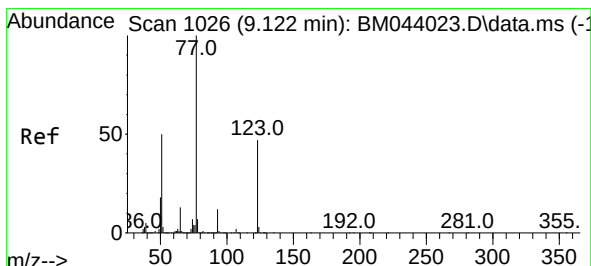
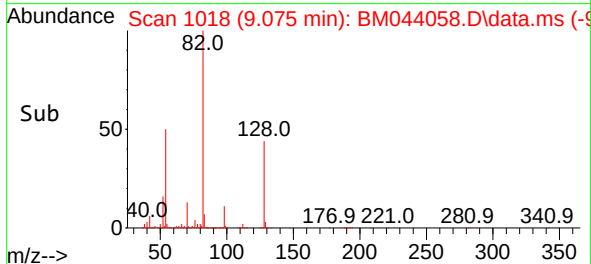
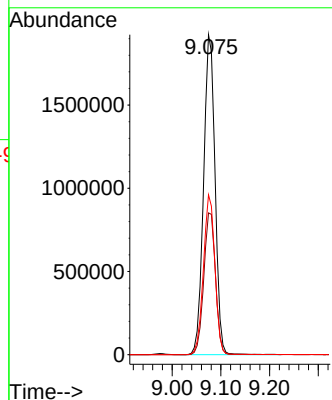
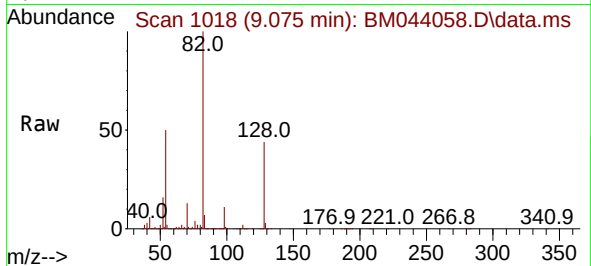




#23
Nitrobenzene-d5
Concen: 81.948 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

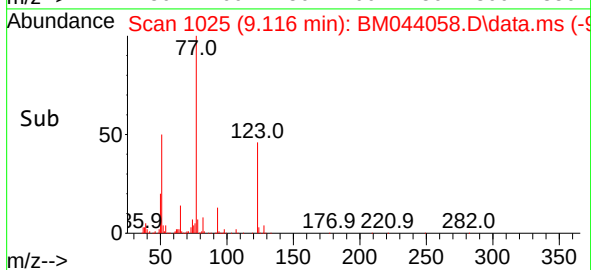
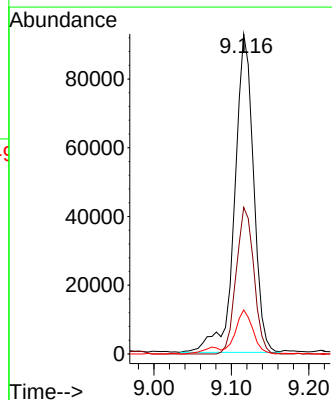
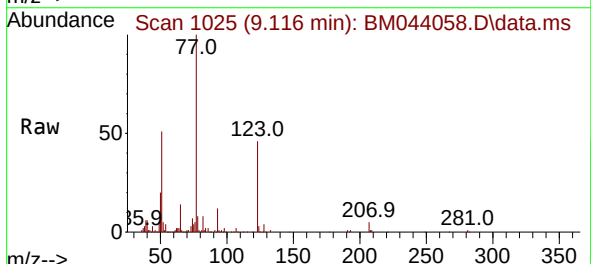
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

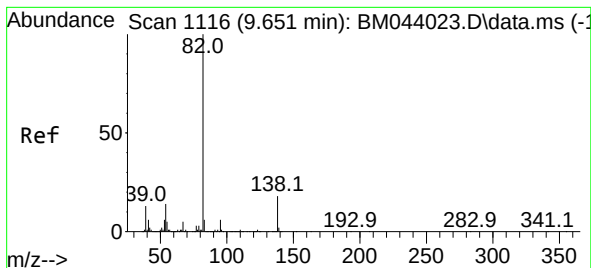
Tgt Ion: 82 Resp: 3155198
Ion Ratio Lower Upper
82 100
128 44.3 37.1 55.7
54 50.0 38.9 58.3



#24
Nitrobenzene
Concen: 3.998 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 77 Resp: 157621
Ion Ratio Lower Upper
77 100
123 45.8 37.8 56.8
65 13.8 10.5 15.7





#25

Isophorone

Concen: 3.746 ng

RT: 9.639 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

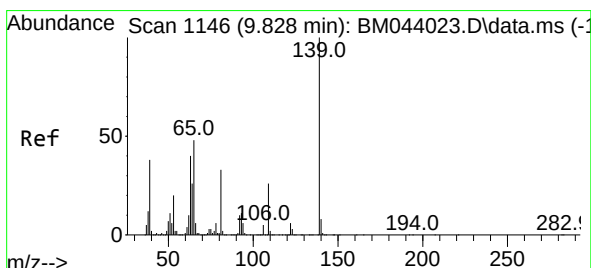
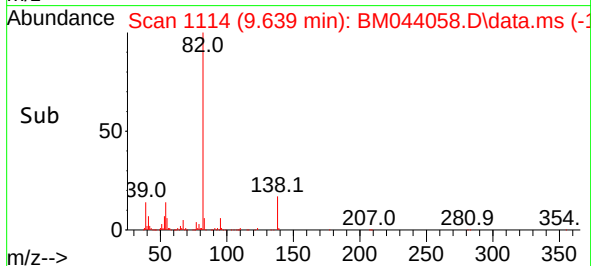
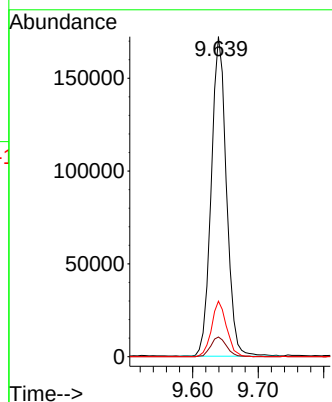
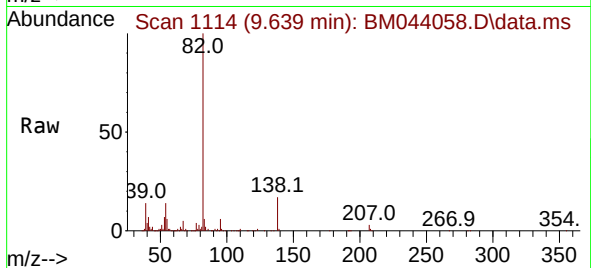
Tgt Ion: 82 Resp: 277735

Ion Ratio Lower Upper

82 100

95 6.2 5.2 7.8

138 17.3 14.3 21.5



#26

2-Nitrophenol

Concen: 3.103 ng

RT: 9.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

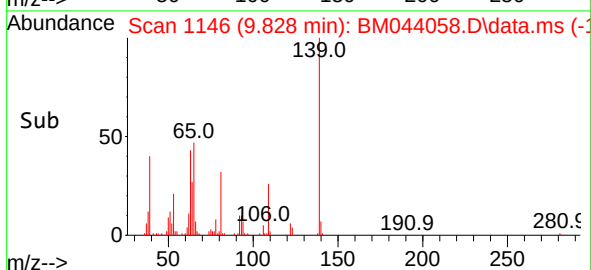
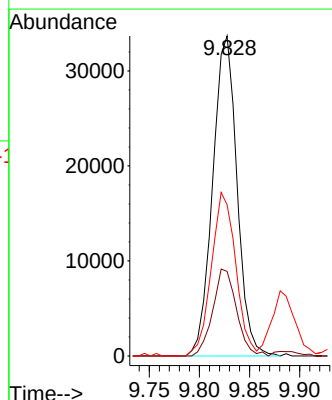
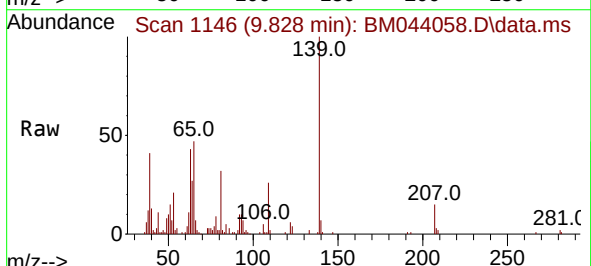
Tgt Ion:139 Resp: 56729

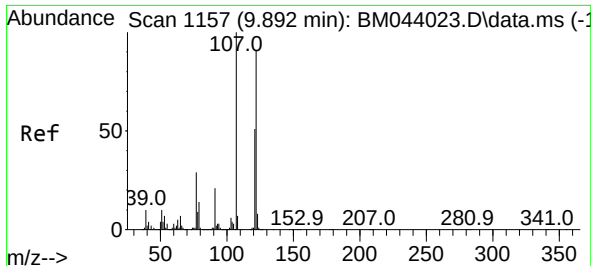
Ion Ratio Lower Upper

139 100

109 26.4 21.2 31.8

65 47.3 38.5 57.7

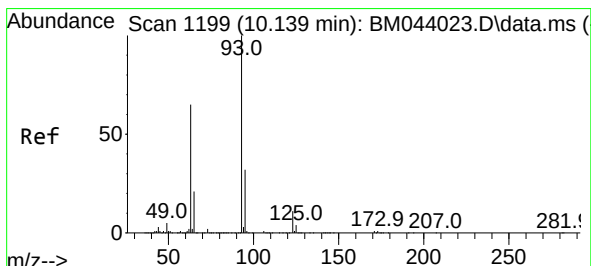
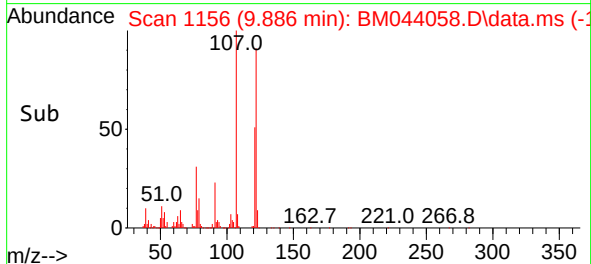
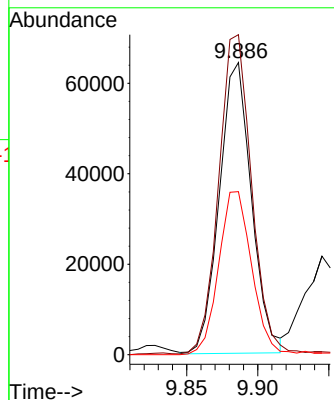
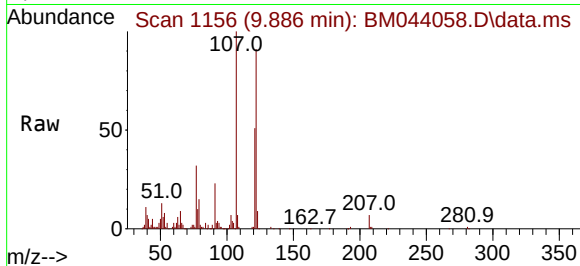




#27
2,4-Dimethylphenol
Concen: 4.330 ng
RT: 9.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

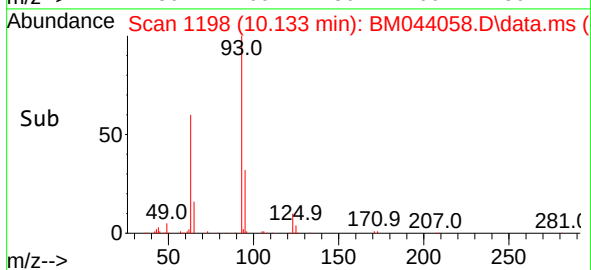
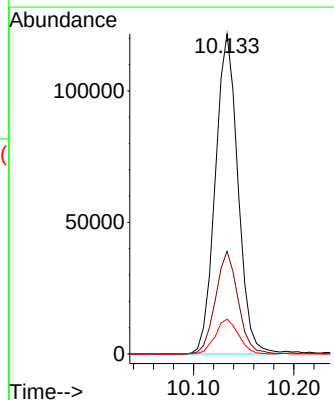
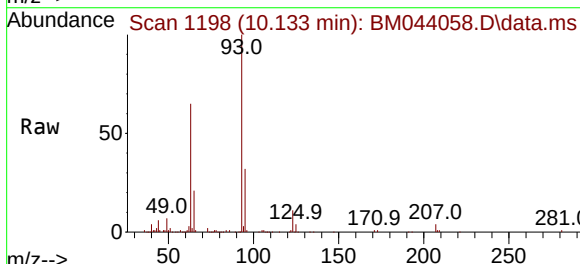
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

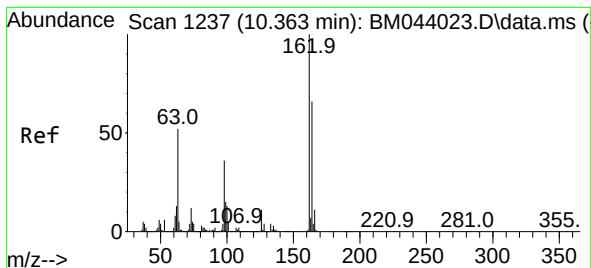
Tgt Ion:122 Resp: 101205
Ion Ratio Lower Upper
122 100
107 109.5 87.8 131.8
121 55.8 44.7 67.1



#28
bis(2-Chloroethoxy)methane
Concen: 3.982 ng
RT: 10.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 93 Resp: 190927
Ion Ratio Lower Upper
93 100
95 32.1 26.0 39.0
123 10.9 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.509 ng

RT: 10.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

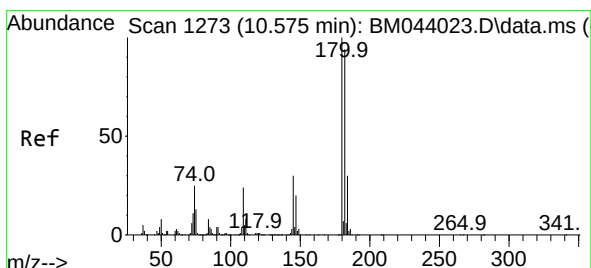
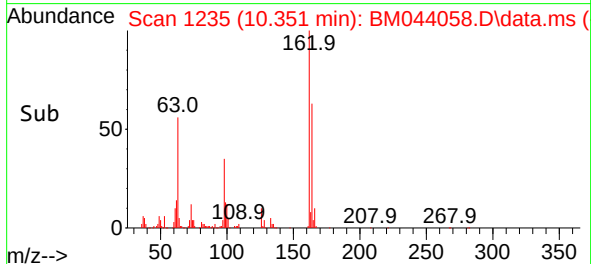
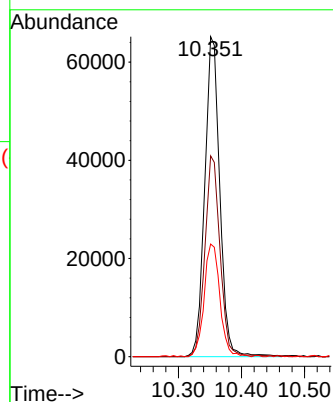
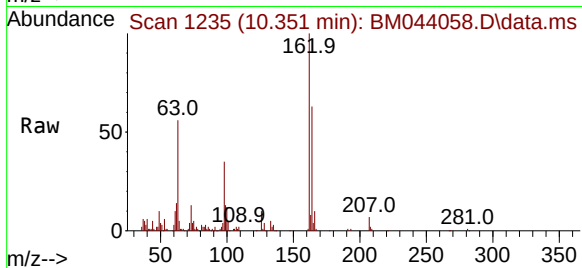
Tgt Ion:162 Resp: 107997

Ion Ratio Lower Upper

162 100

164 62.8 46.1 86.1

98 35.2 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 3.512 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

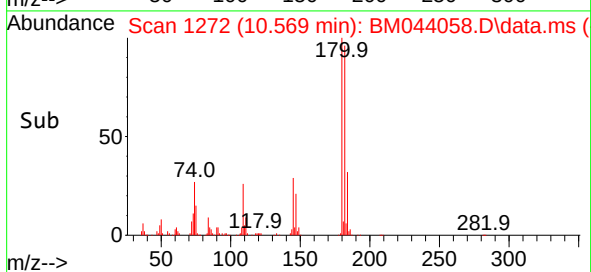
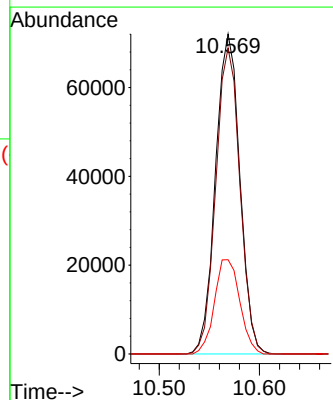
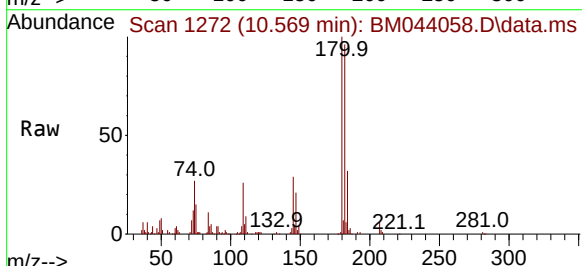
Tgt Ion:180 Resp: 121524

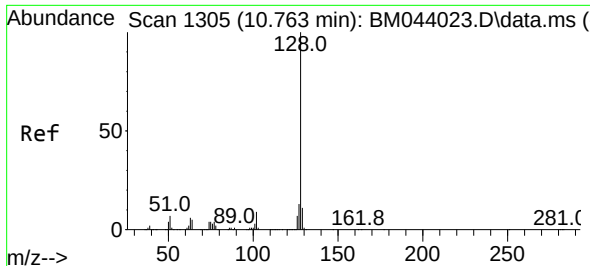
Ion Ratio Lower Upper

180 100

182 95.6 75.2 112.8

145 29.5 24.3 36.5

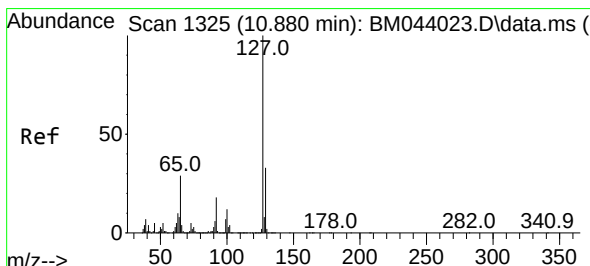
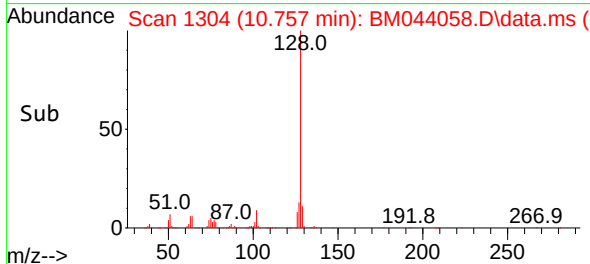
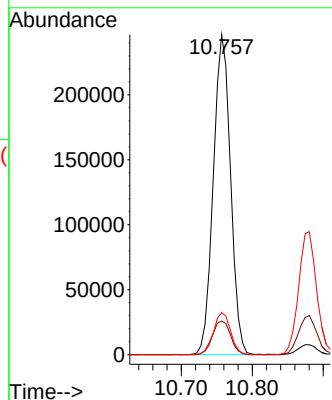
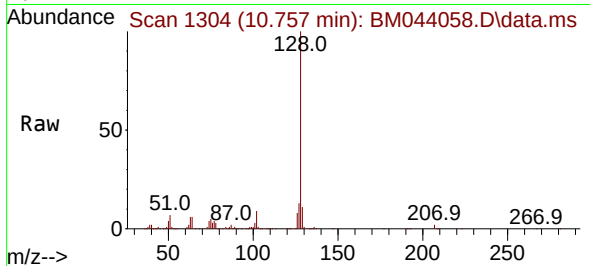




#31
Naphthalene
Concen: 3.675 ng
RT: 10.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

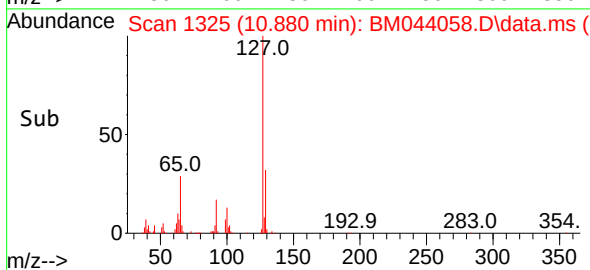
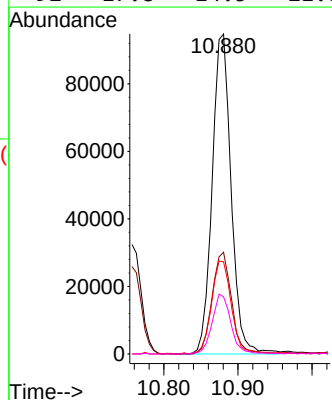
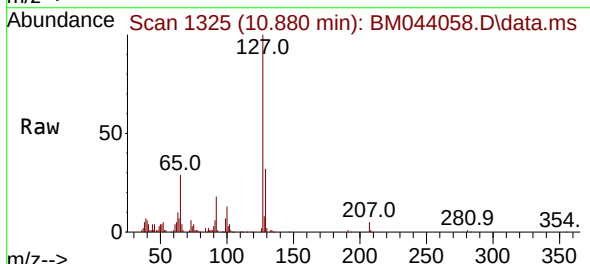
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

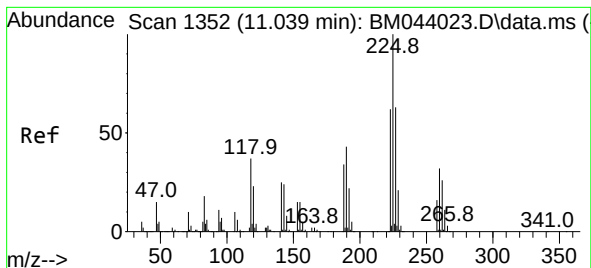
Tgt Ion:128 Resp: 414367
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 13.2 10.3 15.5



#33
4-Chloroaniline
Concen: 3.950 ng
RT: 10.880 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:127 Resp: 168667
Ion Ratio Lower Upper
127 100
129 31.8 26.0 39.0
65 28.8 23.0 34.6
92 17.8 14.5 21.7





#34

Hexachlorobutadiene

Concen: 3.434 ng

RT: 11.033 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

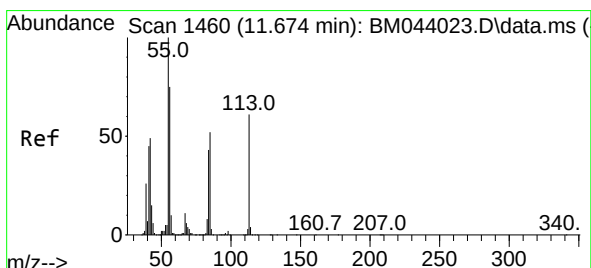
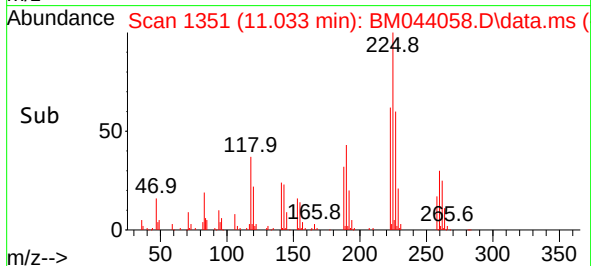
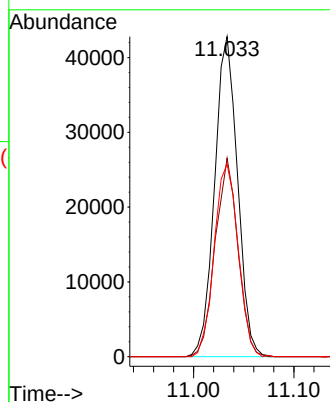
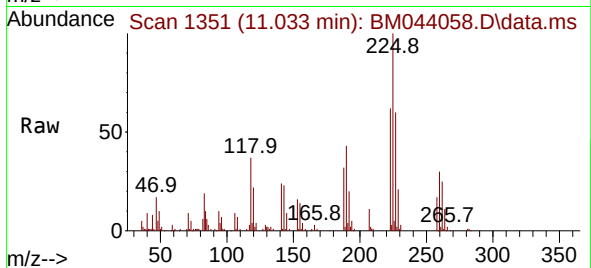
Tgt Ion:225 Resp: 68008

Ion Ratio Lower Upper

225 100

223 59.3 49.9 74.9

227 57.5 50.6 76.0



#35

Caprolactam

Concen: 3.062 ng

RT: 11.645 min Scan# 1455

Delta R.T. -0.029 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

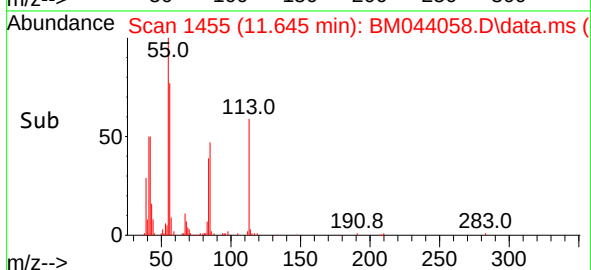
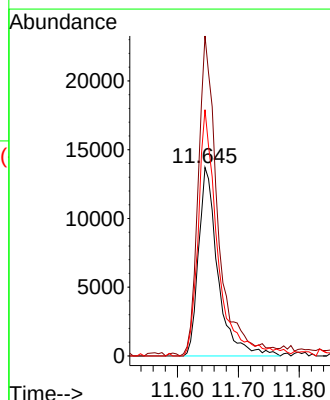
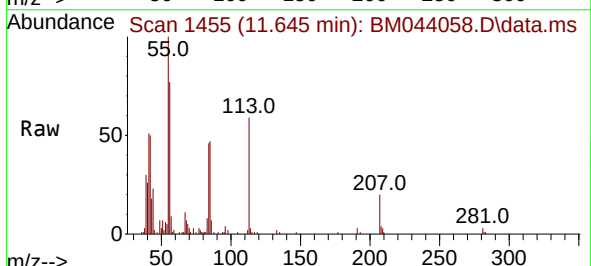
Tgt Ion:113 Resp: 30318

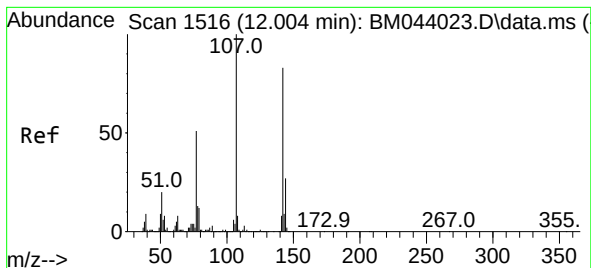
Ion Ratio Lower Upper

113 100

55 169.7 145.6 185.6

56 130.6 103.3 143.3

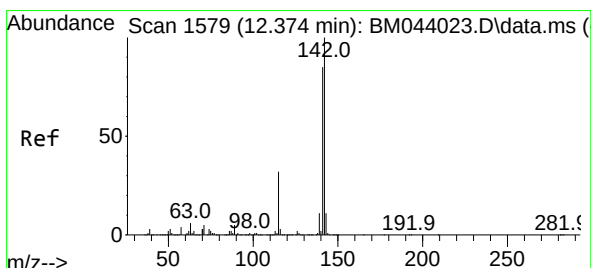
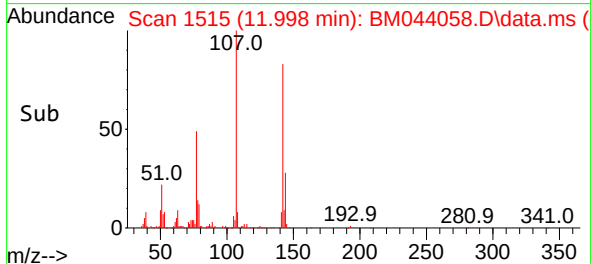
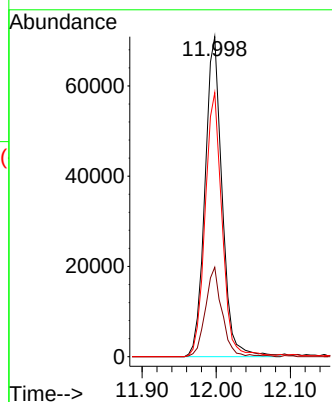
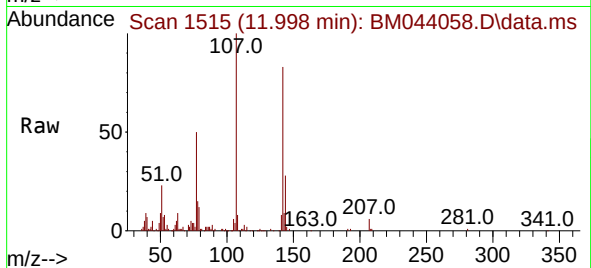




#36
4-Chloro-3-methylphenol
Concen: 3.422 ng
RT: 11.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

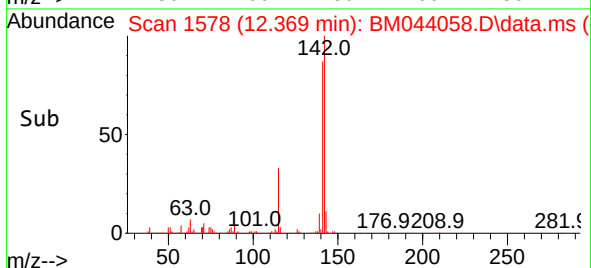
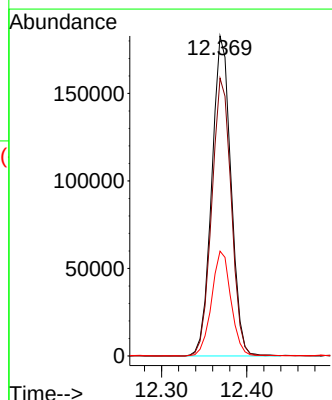
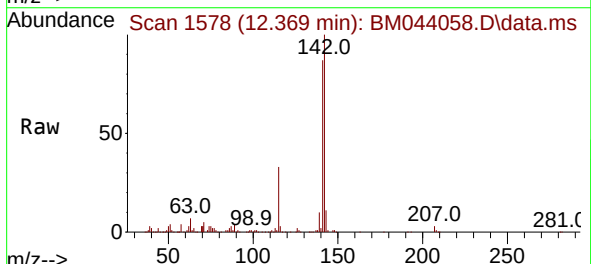
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

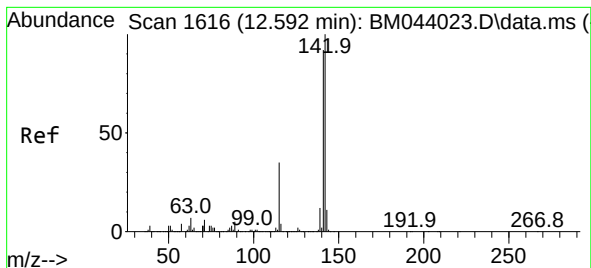
Tgt Ion:107 Resp: 114021
Ion Ratio Lower Upper
107 100
144 27.9 21.3 31.9
142 82.5 66.2 99.4



#37
2-Methylnaphthalene
Concen: 3.814 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:142 Resp: 286491
Ion Ratio Lower Upper
142 100
141 86.8 68.3 102.5
115 32.8 25.7 38.5





#38

1-Methylnaphthalene

Concen: 3.795 ng

RT: 12.586 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

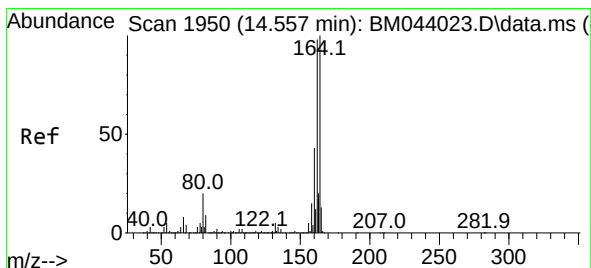
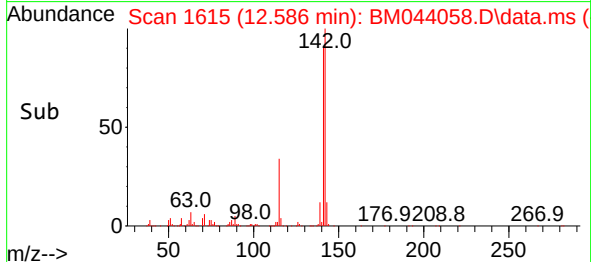
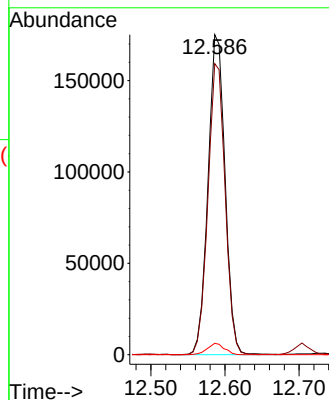
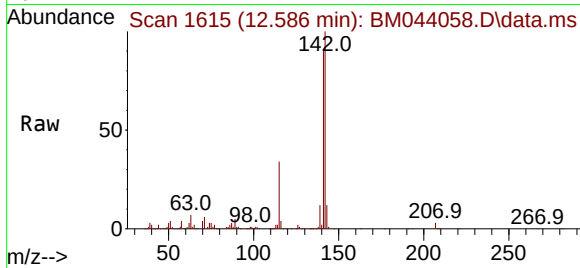
Tgt Ion:142 Resp: 280083

Ion Ratio Lower Upper

142 100

141 91.0 73.4 110.0

116 3.6 3.0 4.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.551 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

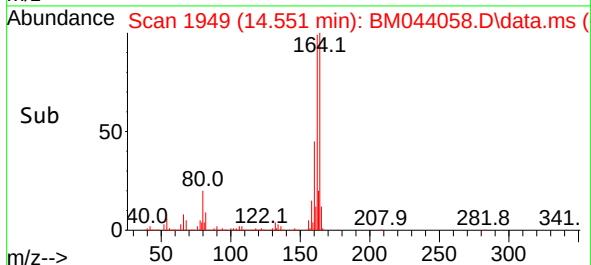
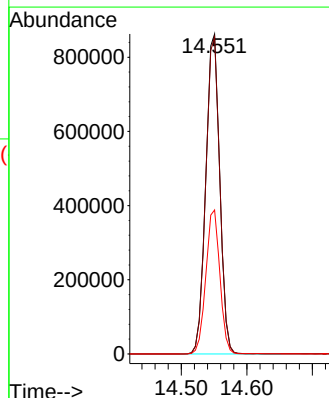
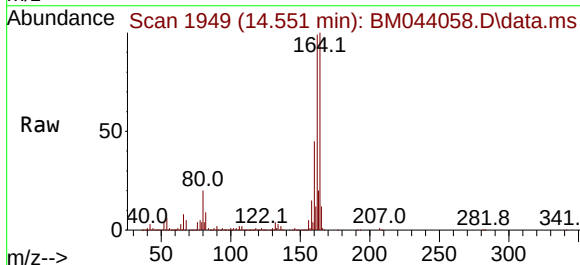
Tgt Ion:164 Resp: 1279199

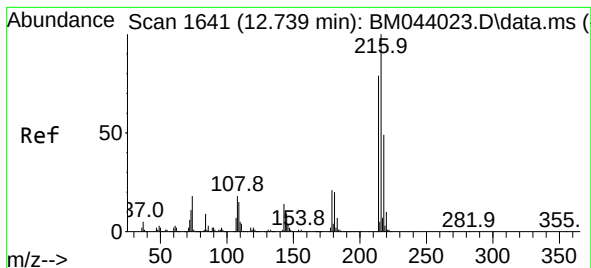
Ion Ratio Lower Upper

164 100

162 99.1 78.4 117.6

160 45.0 34.6 51.8





#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.741 ng

RT: 12.733 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion:216 Resp: 139101

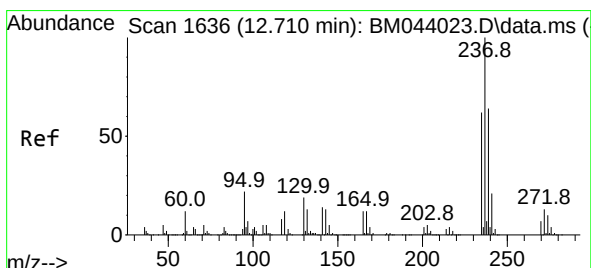
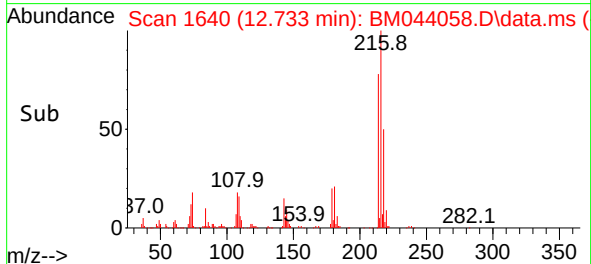
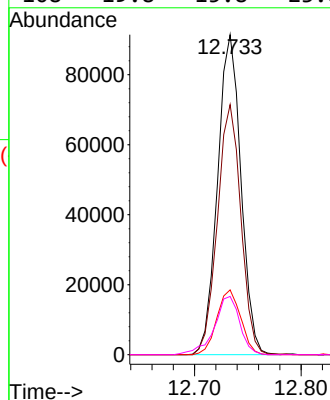
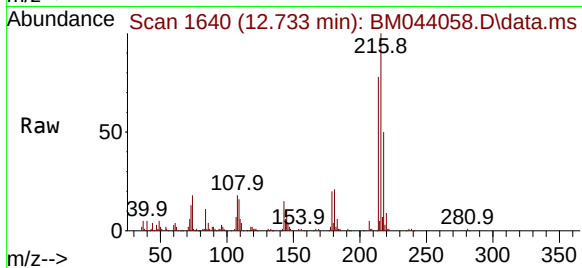
Ion Ratio Lower Upper

216 100

214 78.5 63.1 94.7

179 20.6 17.0 25.6

108 19.8 15.8 23.8



#41

Hexachlorocyclopentadiene

Concen: 3.770 ng

RT: 12.704 min Scan# 1635

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

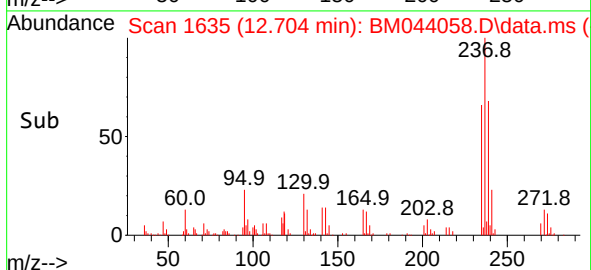
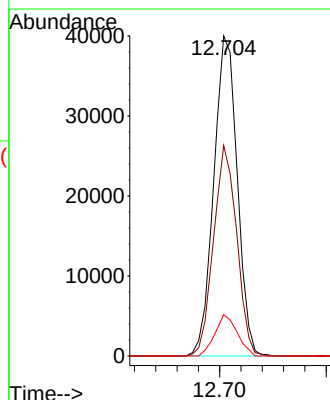
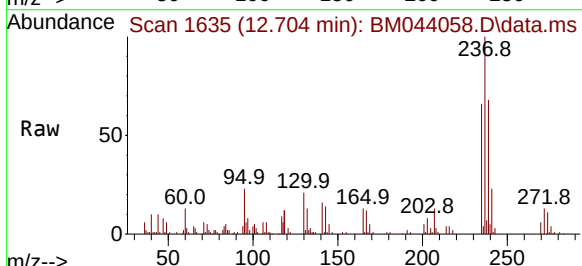
Tgt Ion:237 Resp: 61169

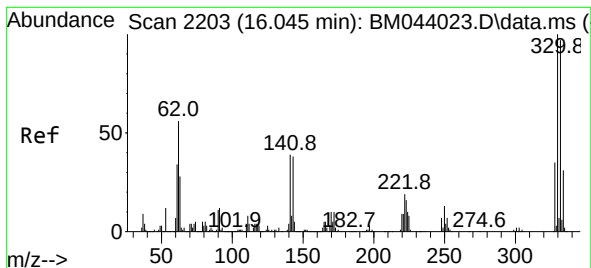
Ion Ratio Lower Upper

237 100

235 65.7 42.4 82.4

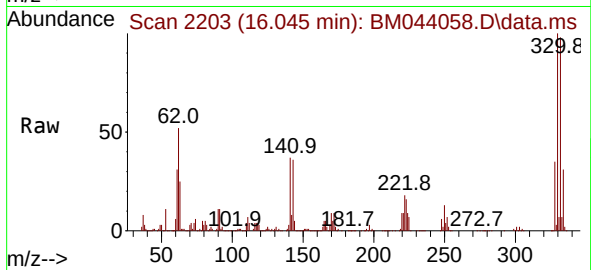
272 12.9 0.0 33.3



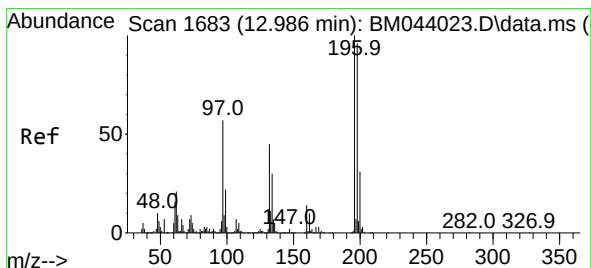
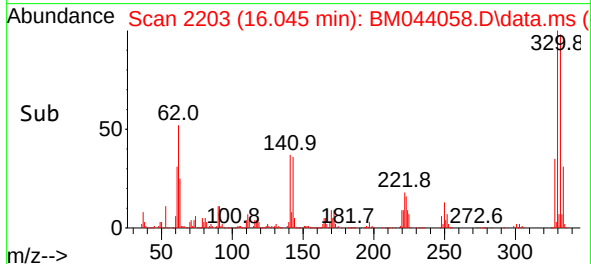
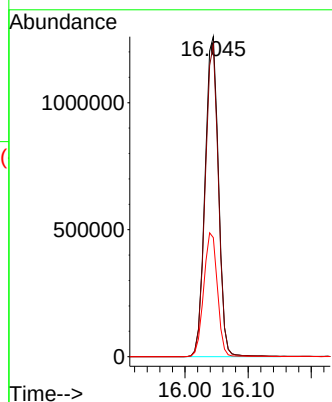


#42
2,4,6-Tribromophenol
Concen: 134.927 ng
RT: 16.045 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

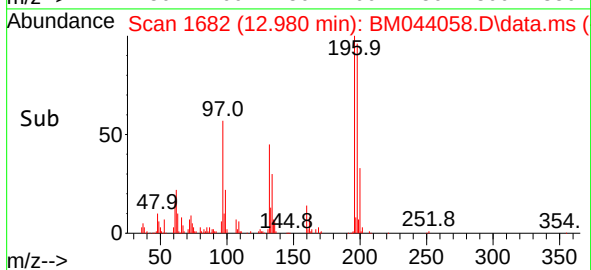
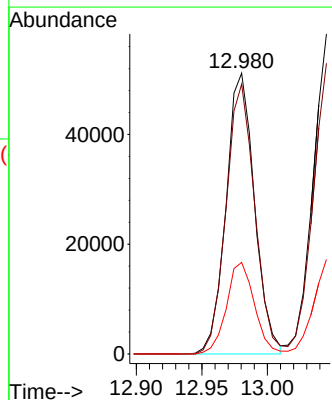
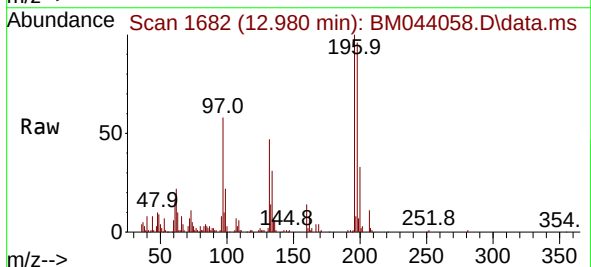


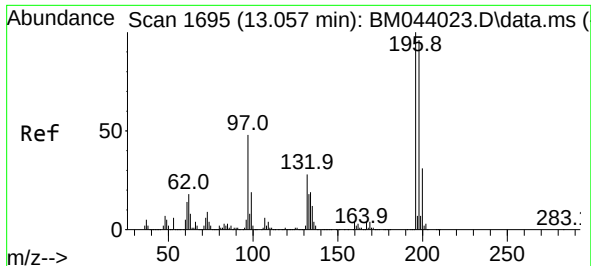
Tgt Ion:330 Resp: 1868773
Ion Ratio Lower Upper
330 100
332 96.4 77.7 116.5
141 39.4 31.0 46.4



#43
2,4,6-Trichlorophenol
Concen: 3.052 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:196 Resp: 77235
Ion Ratio Lower Upper
196 100
198 96.1 76.8 115.2
200 32.6 24.6 37.0

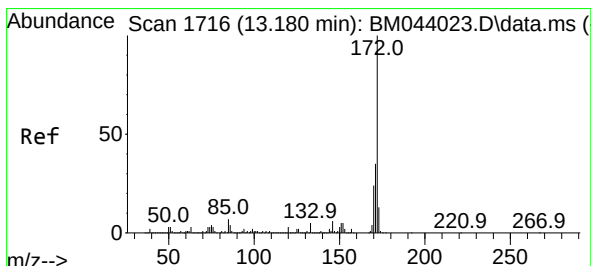
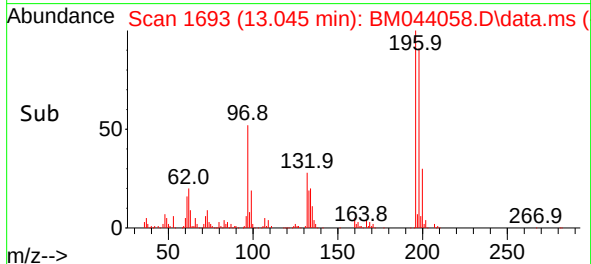
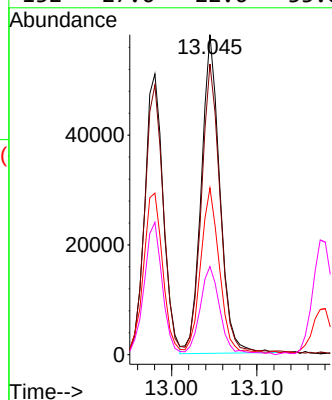
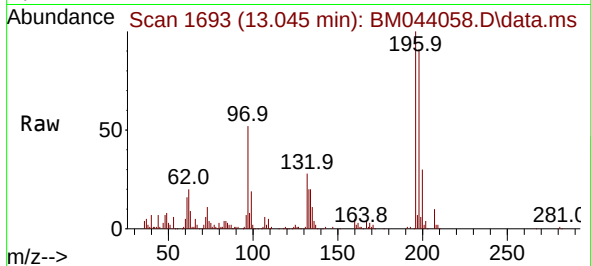




#44
2,4,5-Trichlorophenol
Concen: 3.161 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

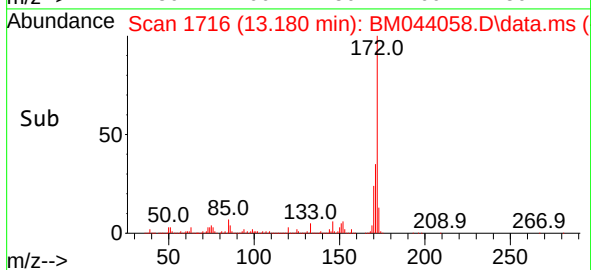
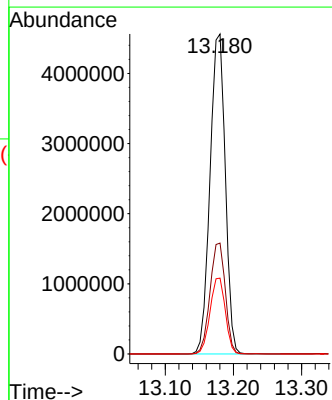
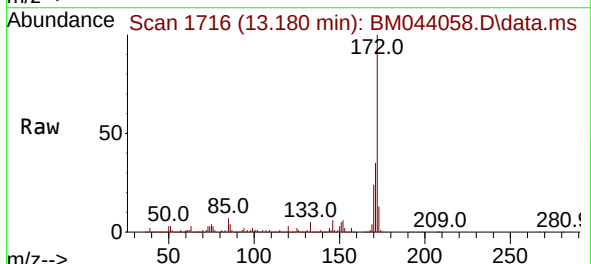
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

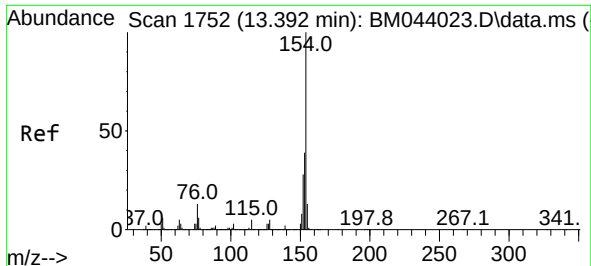
Tgt Ion:196	Resp:	87766
Ion Ratio	Lower	Upper
196	100	
198	90.8	76.9 115.3
97	52.1	39.0 58.4
132	27.6	22.6 33.8



#45
2-Fluorobiphenyl
Concen: 78.537 ng
RT: 13.180 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:172	Resp:	7118480
Ion Ratio	Lower	Upper
172	100	
171	34.6	27.9 41.9
170	23.7	19.0 28.4

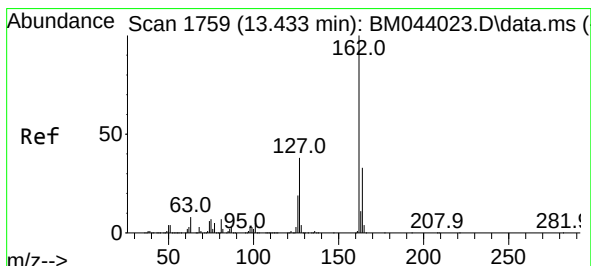
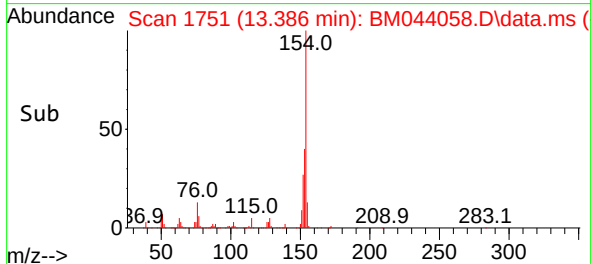
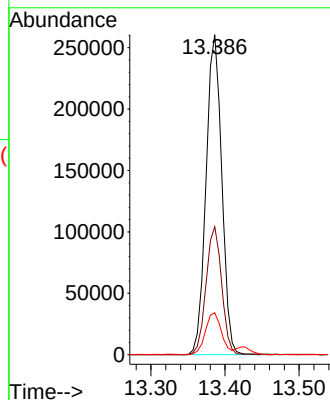
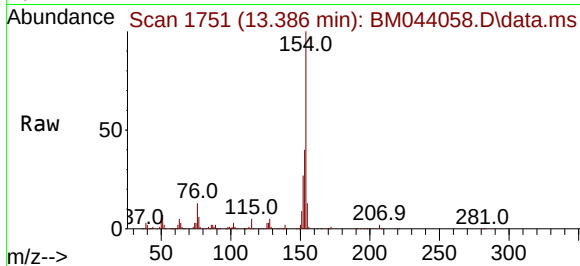




#46
1,1'-Biphenyl
Concen: 3.814 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

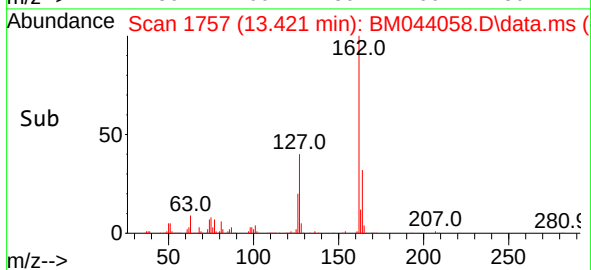
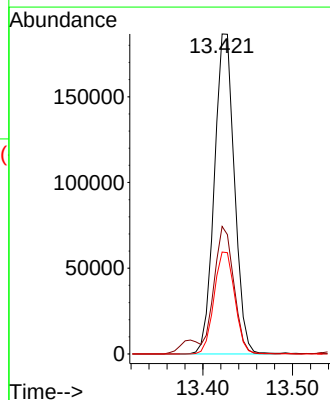
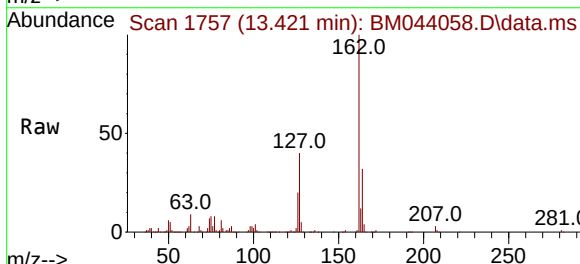
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

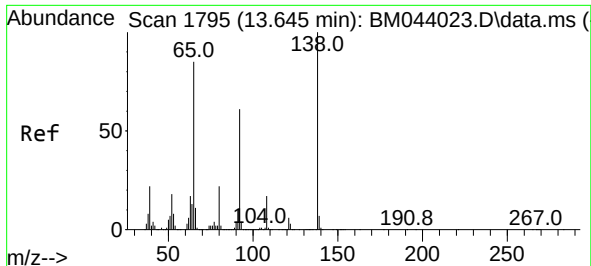
Tgt Ion:154 Resp: 384946
Ion Ratio Lower Upper
154 100
153 40.0 19.4 59.4
76 13.1 0.0 32.9



#47
2-Chloronaphthalene
Concen: 3.628 ng
RT: 13.421 min Scan# 1757
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:162 Resp: 290106
Ion Ratio Lower Upper
162 100
127 39.8 30.9 46.3
164 31.9 26.4 39.6

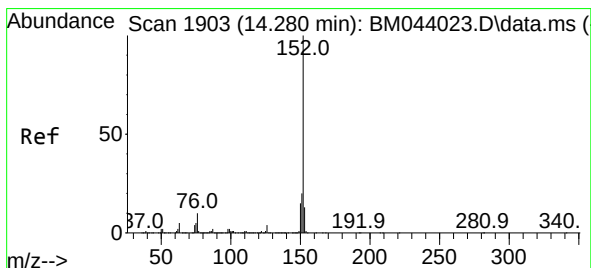
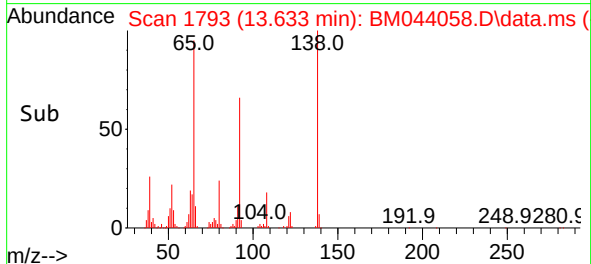
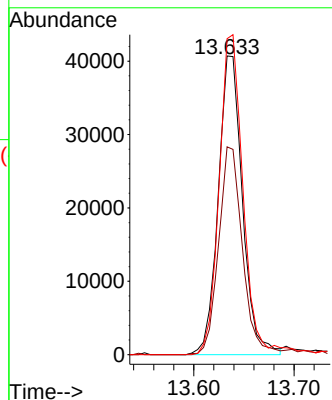
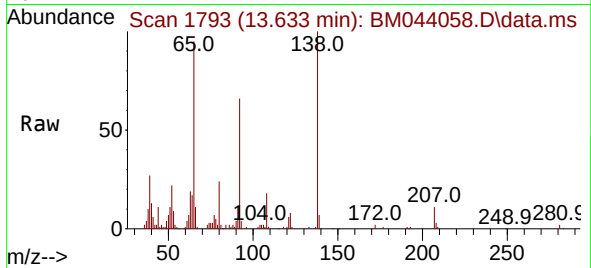




#48
2-Nitroaniline
Concen: 3.034 ng
RT: 13.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

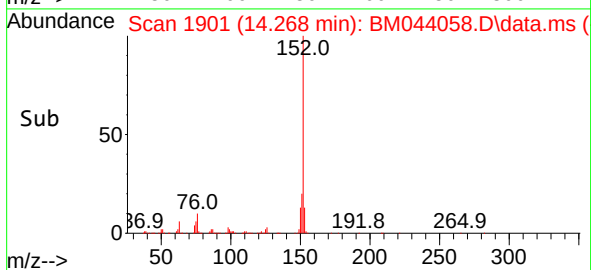
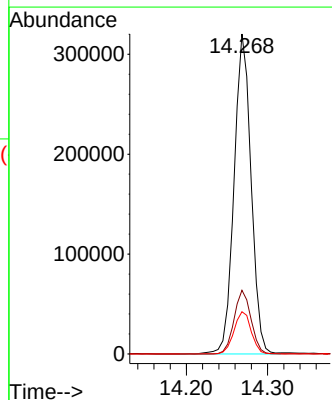
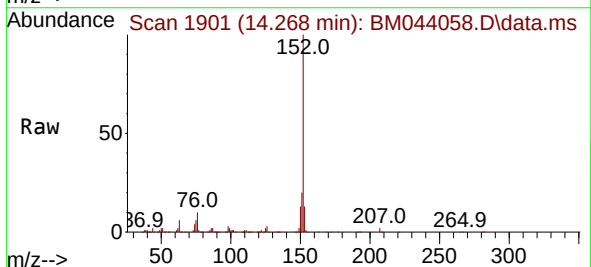
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

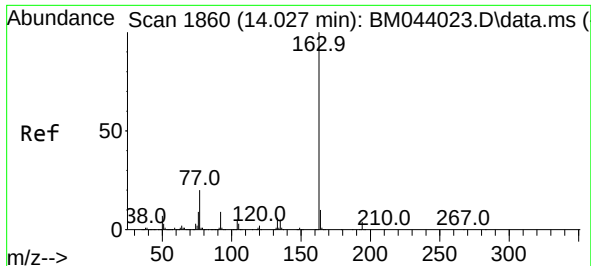
Tgt Ion: 65 Resp: 68254
Ion Ratio Lower Upper
65 100
92 69.6 58.1 87.1
138 105.8 94.6 142.0



#49
Acenaphthylene
Concen: 3.903 ng
RT: 14.268 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 152 Resp: 465605
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.2 10.5 15.7

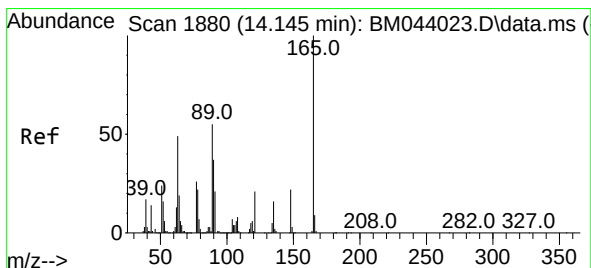
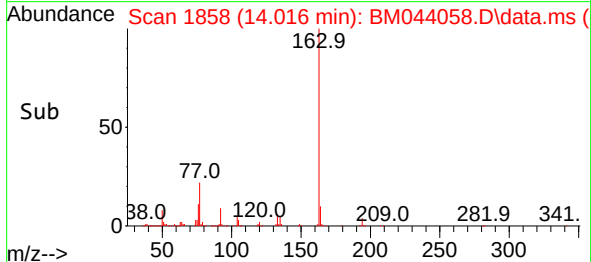
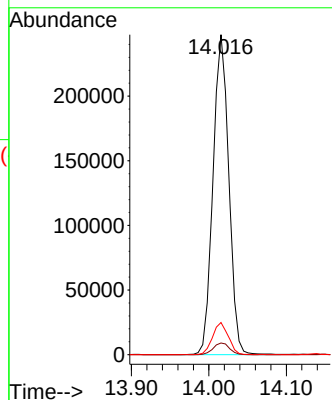
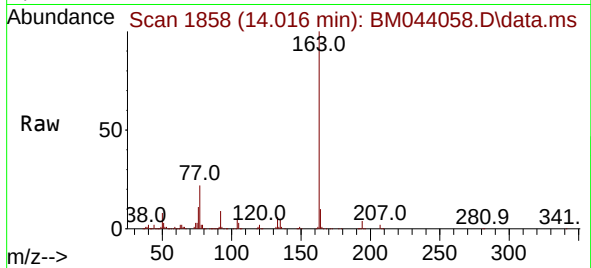




#50
Dimethylphthalate
Concen: 3.698 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

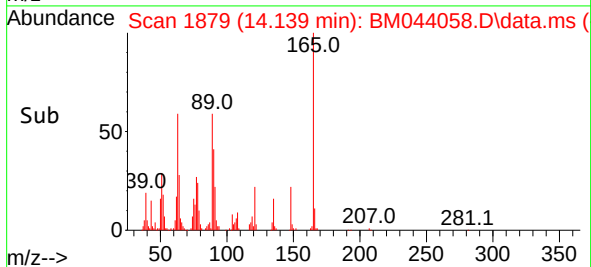
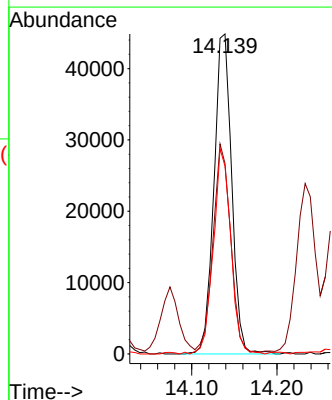
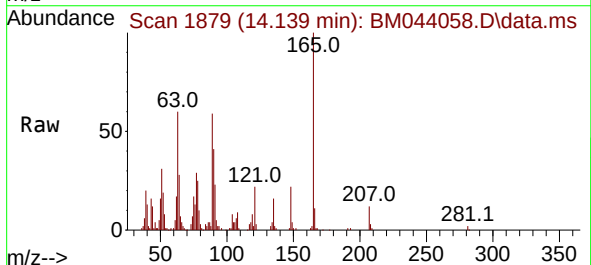
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

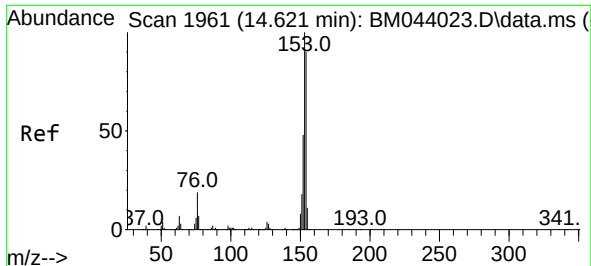
Tgt Ion:163 Resp: 350758
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 10.0 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 3.100 ng
RT: 14.139 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:165 Resp: 64862
Ion Ratio Lower Upper
165 100
63 59.5 43.5 65.3
89 58.7 44.4 66.6

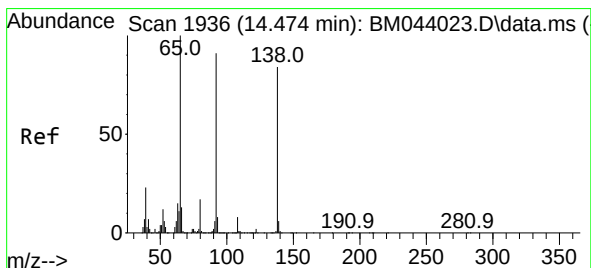
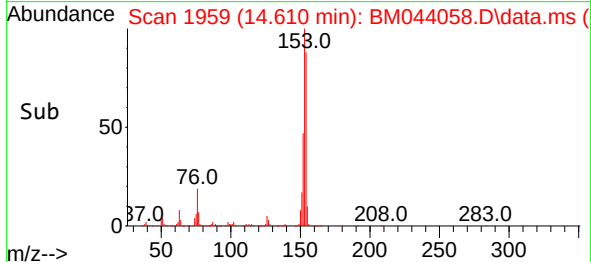
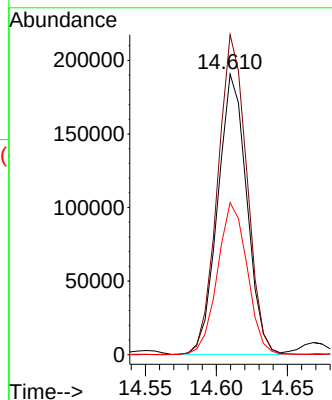
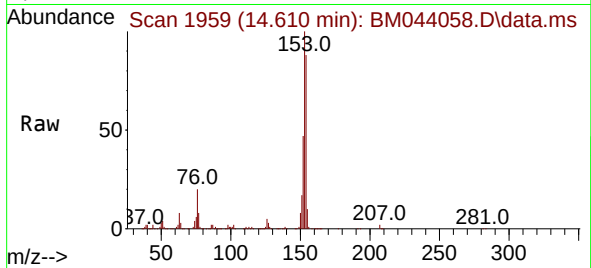




#52
Acenaphthene
Concen: 3.666 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

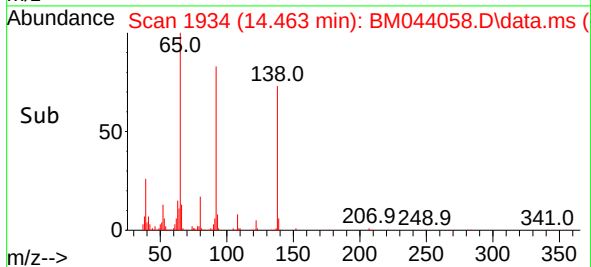
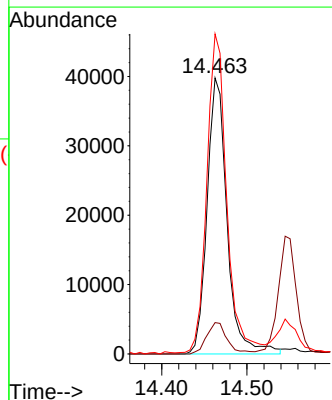
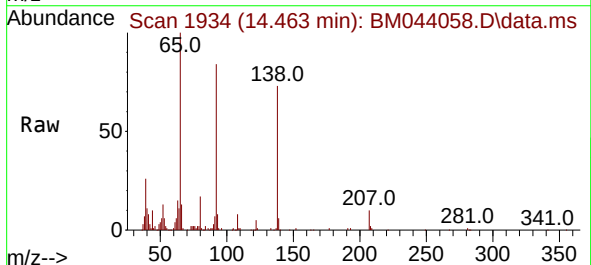
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

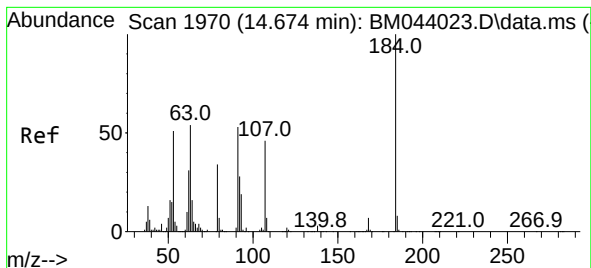
Tgt Ion:154 Resp: 270688
Ion Ratio Lower Upper
154 100
153 114.1 89.3 133.9
152 54.2 43.0 64.6



#53
3-Nitroaniline
Concen: 2.892 ng
RT: 14.463 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:138 Resp: 65048
Ion Ratio Lower Upper
138 100
108 11.4 7.6 11.4
92 115.9 86.5 129.7





#54

2,4-Dinitrophenol

Concen: 7.046 ng

RT: 14.668 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

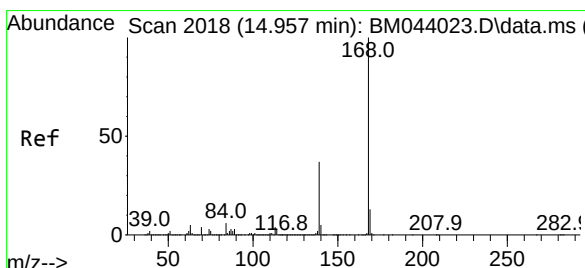
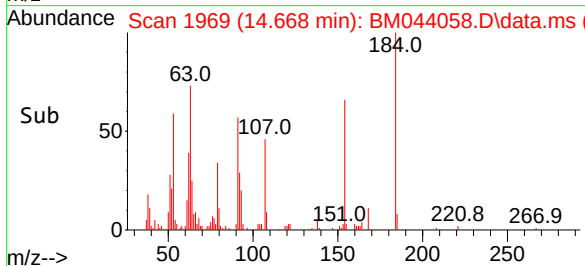
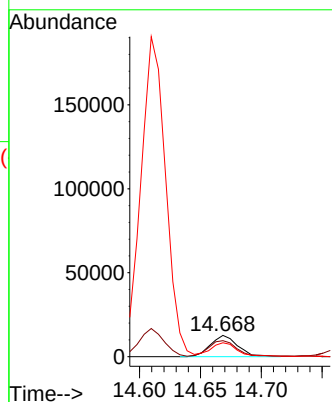
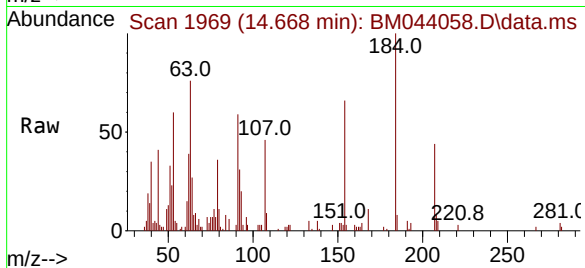
Tgt Ion:184 Resp: 19686

Ion Ratio Lower Upper

184 100

63 75.8 55.4 83.2

154 65.6 49.2 73.8



#55

Dibenzofuran

Concen: 3.894 ng

RT: 14.945 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

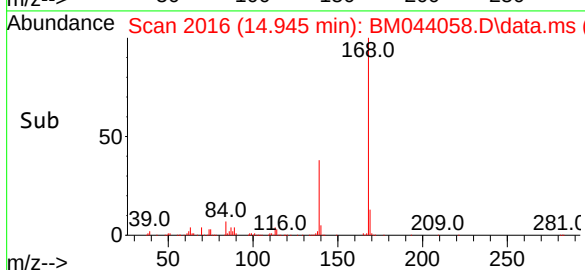
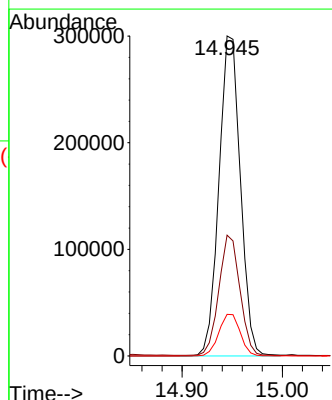
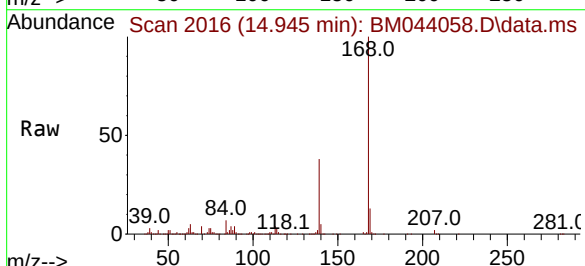
Tgt Ion:168 Resp: 444984

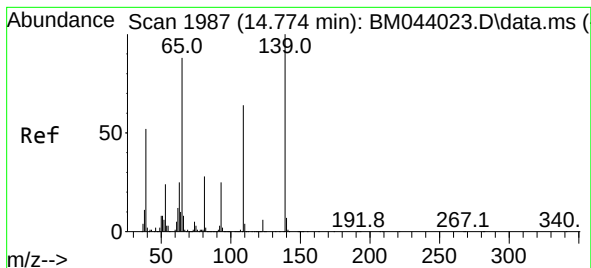
Ion Ratio Lower Upper

168 100

139 37.8 29.6 44.4

169 13.0 10.5 15.7

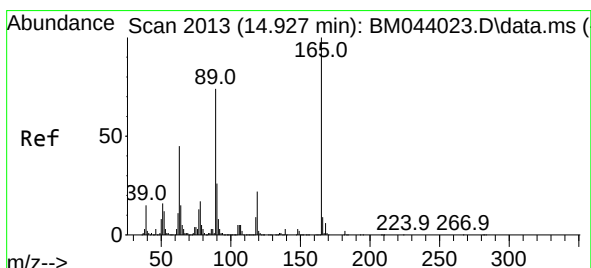
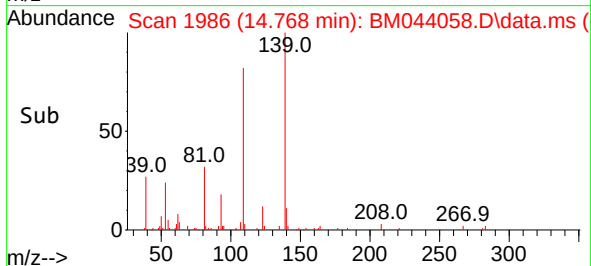
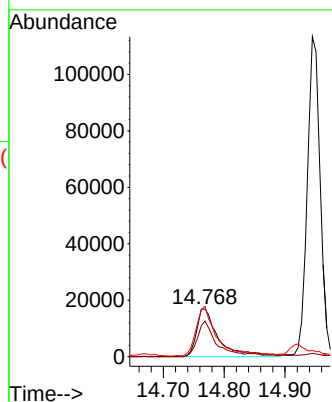
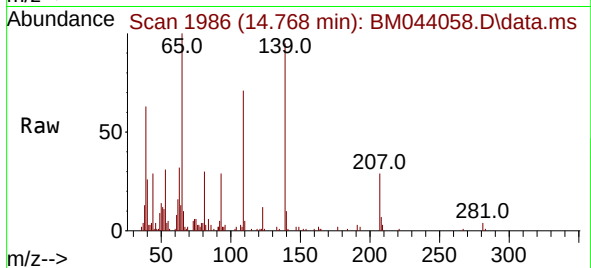




#56
4-Nitrophenol
Concen: 2.334 ng
RT: 14.768 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

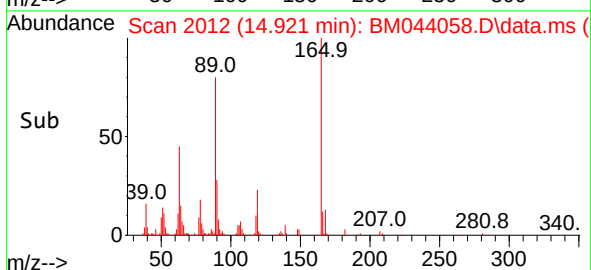
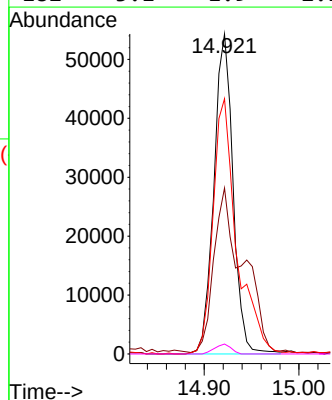
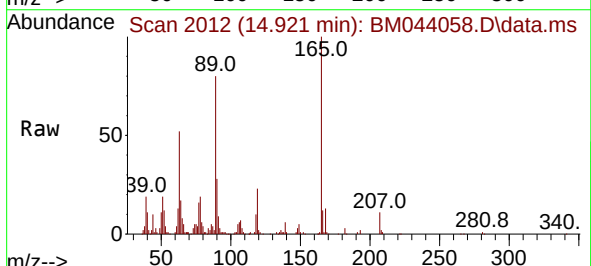
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

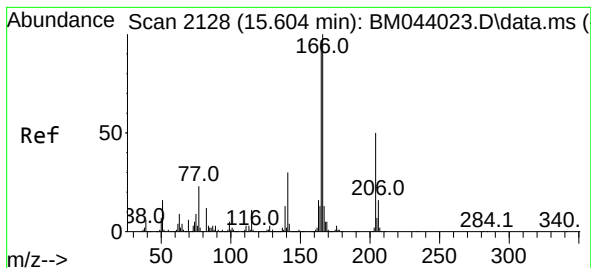
Tgt Ion:139 Resp: 42665
Ion Ratio Lower Upper
139 100
109 74.8 43.8 83.8
65 105.5 67.7 107.7



#57
2,4-Dinitrotoluene
Concen: 2.790 ng
RT: 14.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:165 Resp: 76298
Ion Ratio Lower Upper
165 100
63 51.8 35.9 53.9
89 79.8 58.9 88.3
182 3.1 1.9 2.9#





#58

Fluorene

Concen: 3.890 ng

RT: 15.598 min Scan# 2128

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

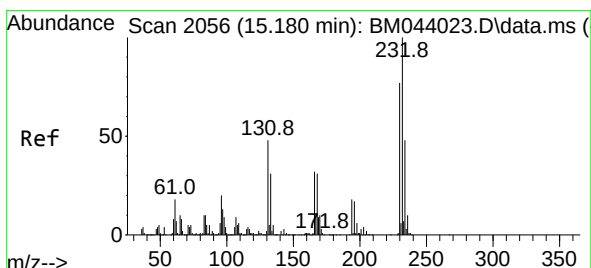
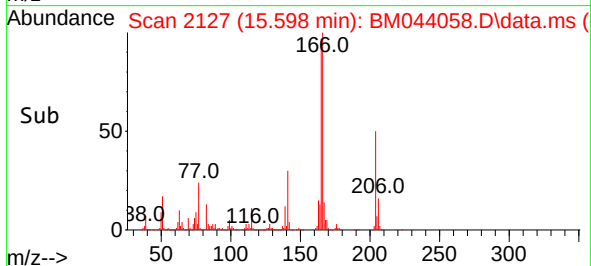
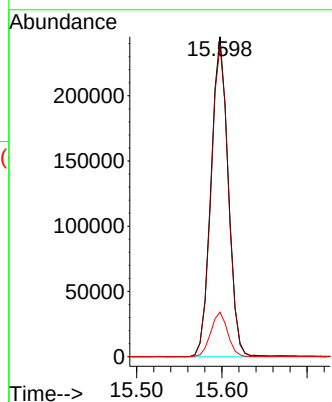
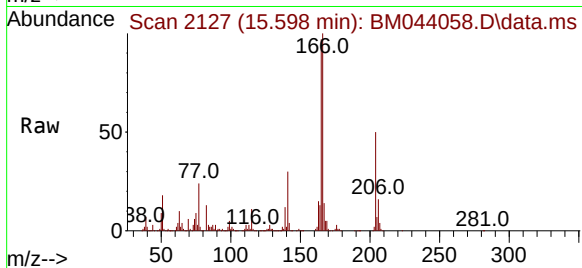
Tgt Ion:166 Resp: 343449

Ion Ratio Lower Upper

166 100

165 97.1 77.7 116.5

167 13.9 10.7 16.1



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.445 ng

RT: 15.174 min Scan# 2055

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion:232 Resp: 75064

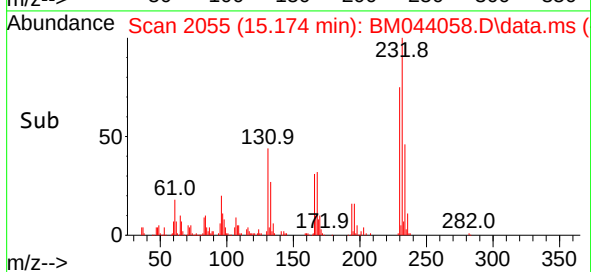
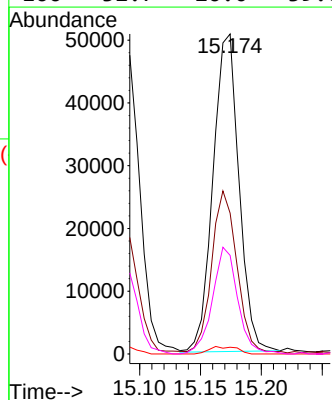
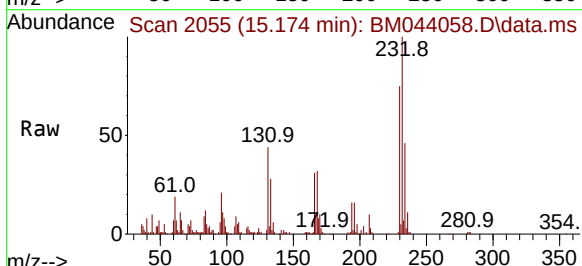
Ion Ratio Lower Upper

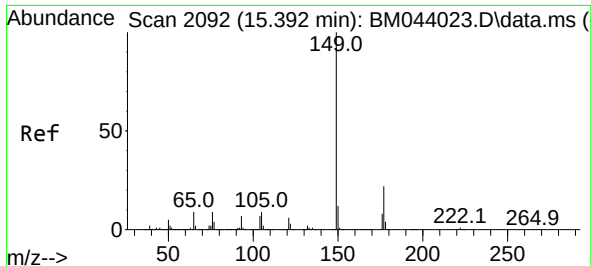
232 100

131 49.8 39.5 59.3

130 2.5 2.0 3.0

166 32.7 26.0 39.0

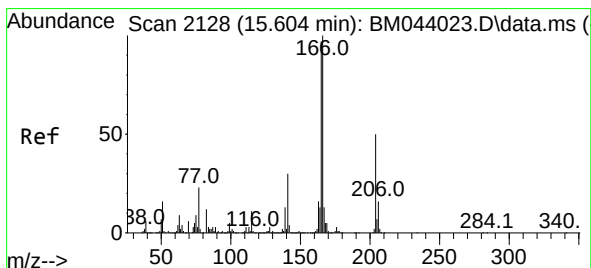
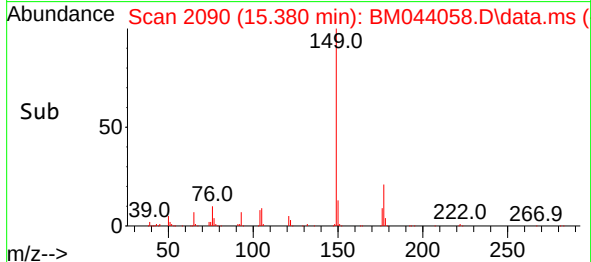
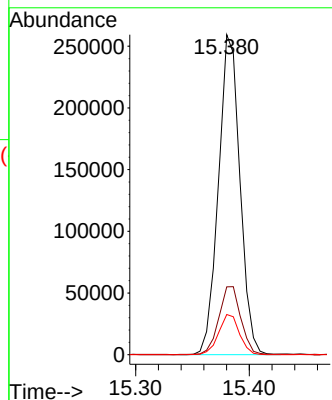
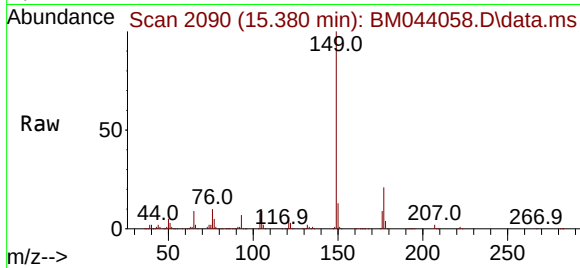




#60
Diethylphthalate
Concen: 3.482 ng
RT: 15.380 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

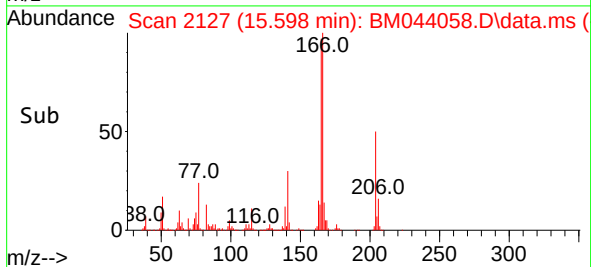
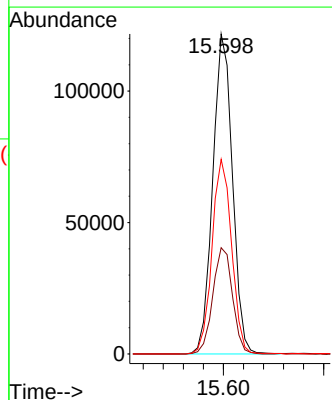
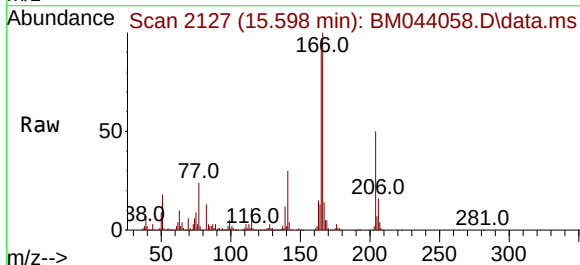
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

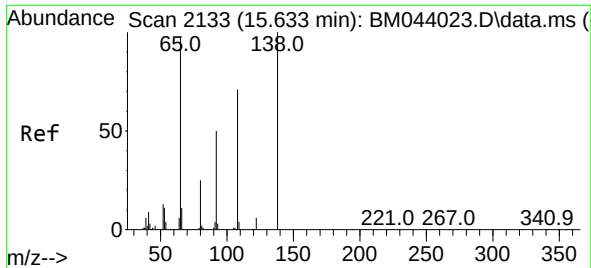
Tgt Ion:149 Resp: 341352
Ion Ratio Lower Upper
149 100
177 21.2 17.5 26.3
150 12.6 9.8 14.6



#61
4-Chlorophenyl-phenylether
Concen: 3.876 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:204 Resp: 165830
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 60.8 47.7 71.5

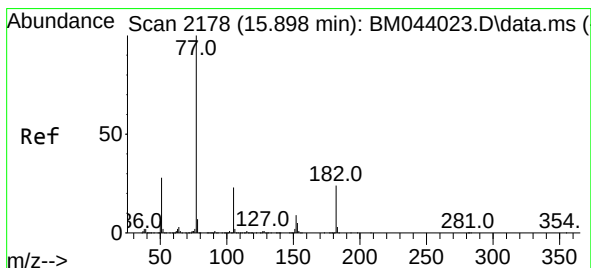
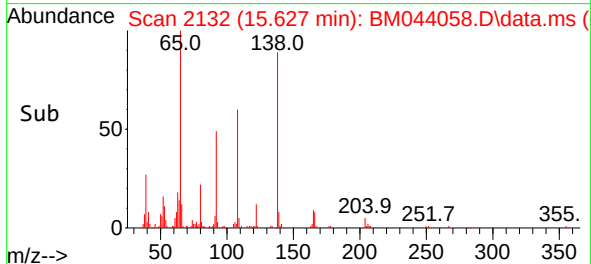
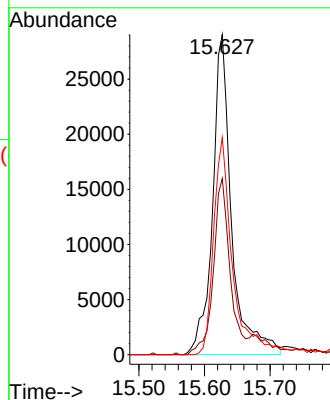
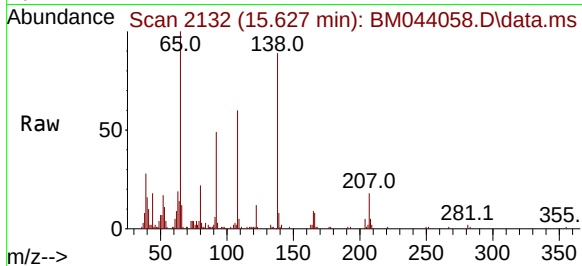




#62
4-Nitroaniline
Concen: 2.595 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

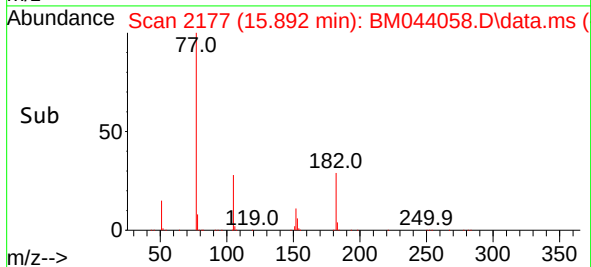
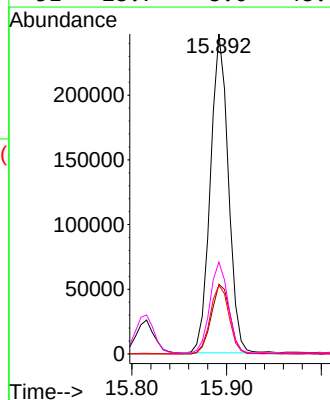
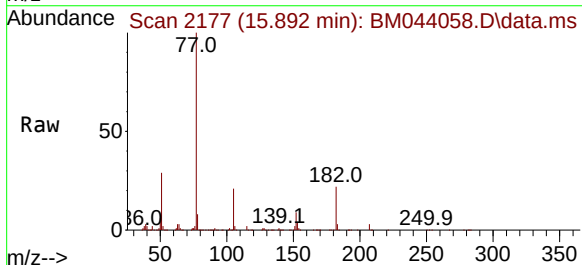
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

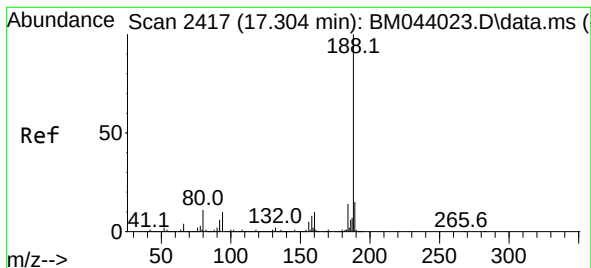
Tgt Ion:138 Resp: 58738
Ion Ratio Lower Upper
138 100
92 55.0 29.6 69.6
108 67.8 47.8 87.8



#63
Azobenzene
Concen: 3.530 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 77 Resp: 324656
Ion Ratio Lower Upper
77 100
182 21.8 4.0 44.0
105 21.5 3.3 43.3
51 28.7 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

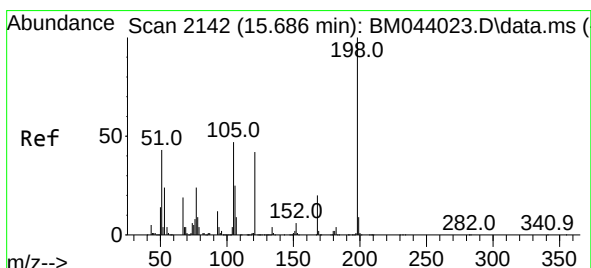
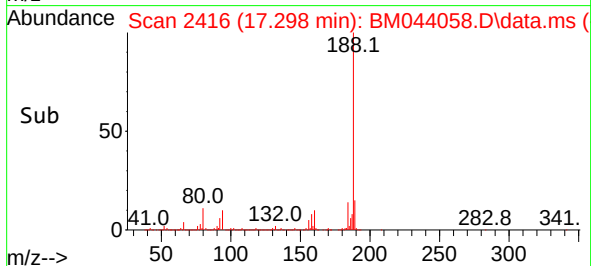
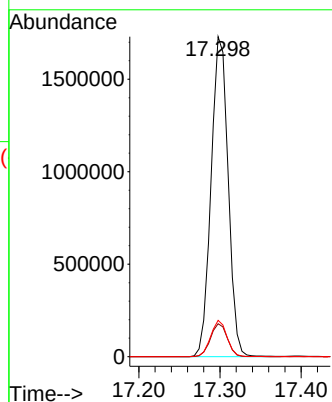
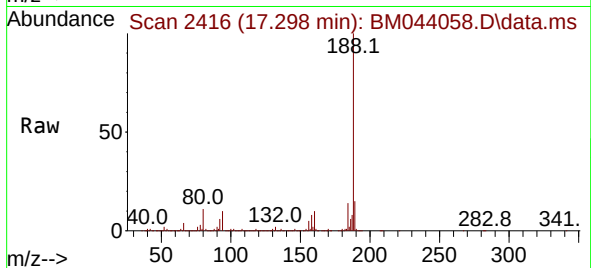
Tgt Ion:188 Resp: 2524660

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

80 11.3 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 2.073 ng

RT: 15.680 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

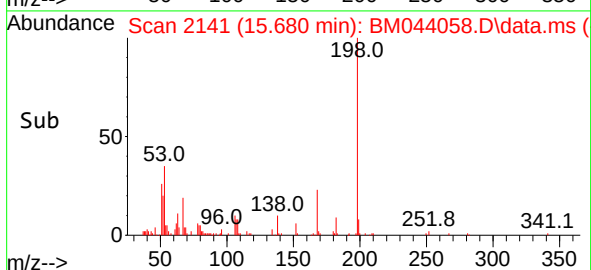
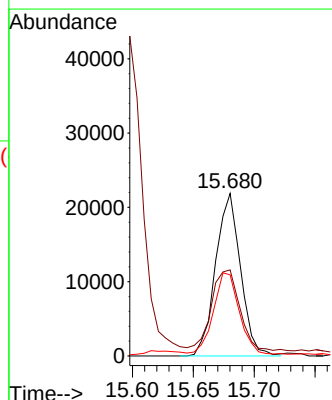
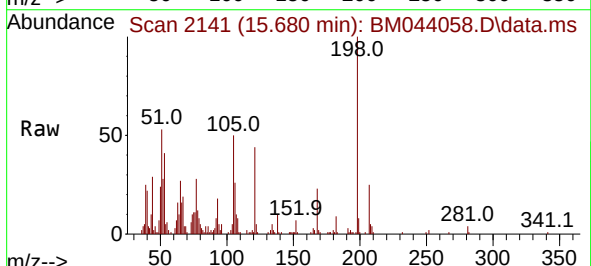
Tgt Ion:198 Resp: 31188

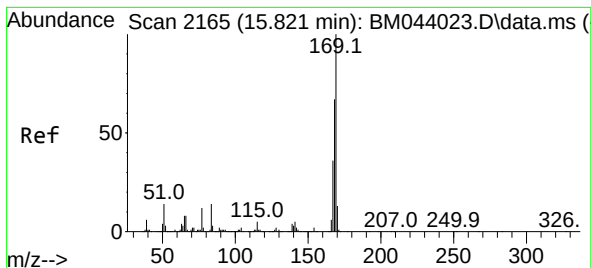
Ion Ratio Lower Upper

198 100

51 52.9 29.9 69.9

105 49.9 28.7 68.7





#66

n-Nitrosodiphenylamine

Concen: 3.648 ng

RT: 15.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

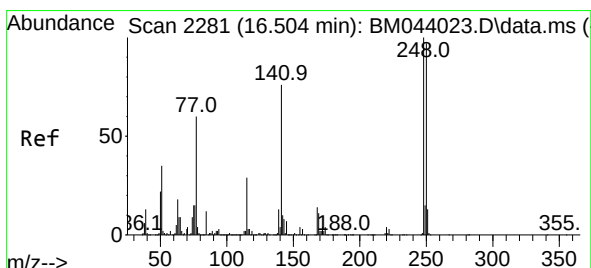
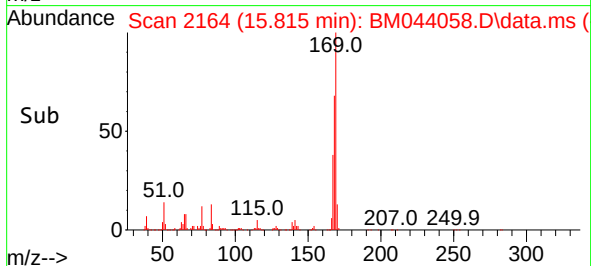
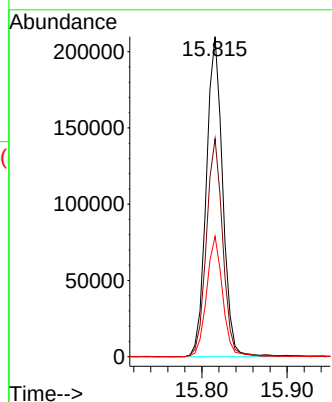
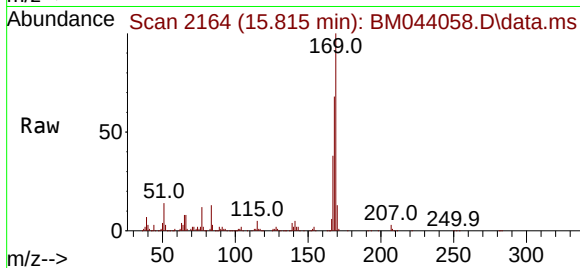
Tgt Ion:169 Resp: 279804

Ion Ratio Lower Upper

169 100

168 68.1 53.8 80.8

167 37.6 29.2 43.8



#67

4-Bromophenyl-phenylether

Concen: 3.447 ng

RT: 16.498 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

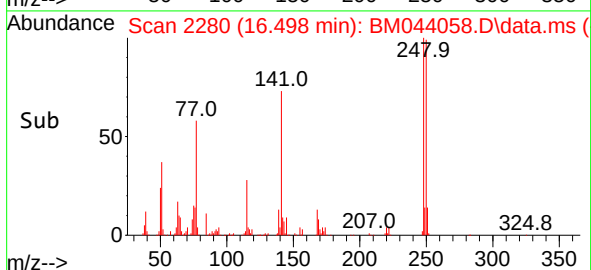
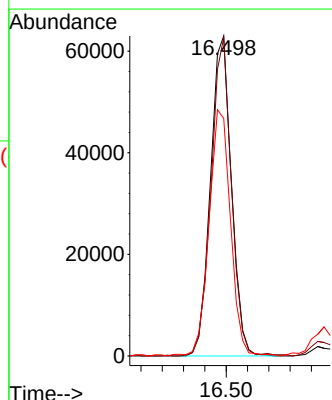
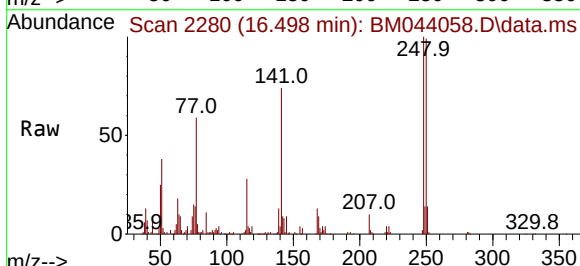
Tgt Ion:248 Resp: 86051

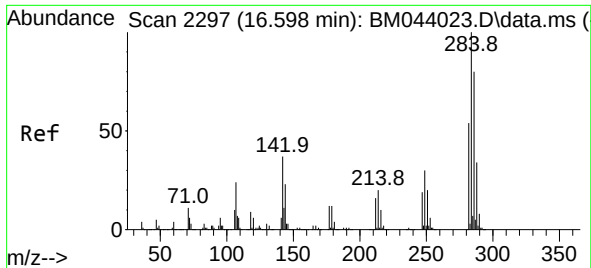
Ion Ratio Lower Upper

248 100

250 99.5 77.4 116.2

141 74.3 61.0 91.6

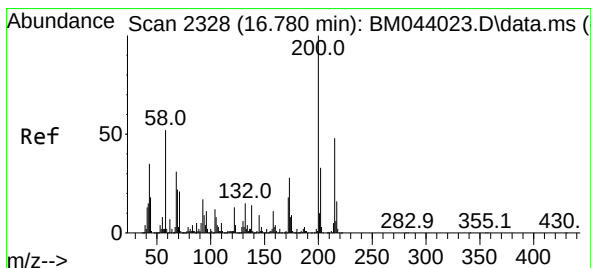
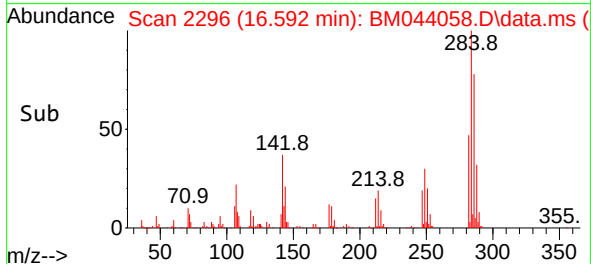
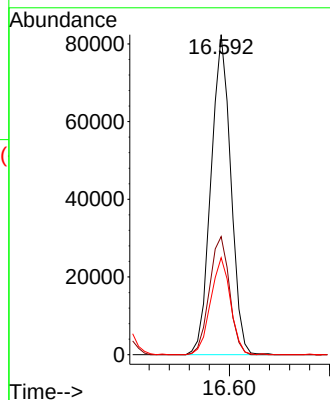
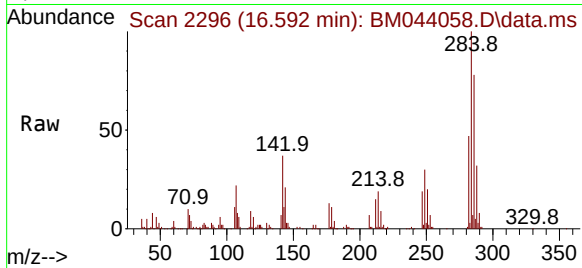




#68
Hexachlorobenzene
Concen: 3.687 ng
RT: 16.592 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

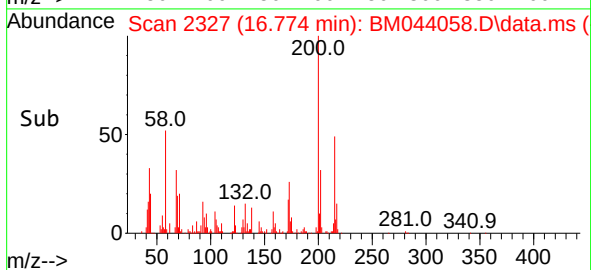
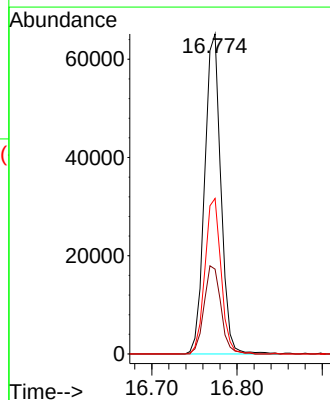
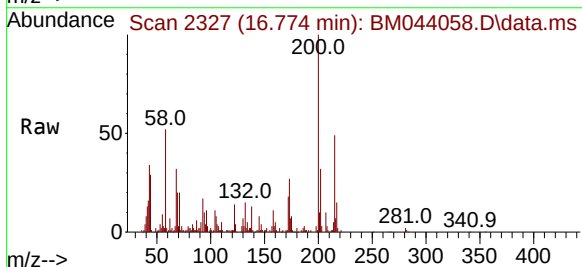
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

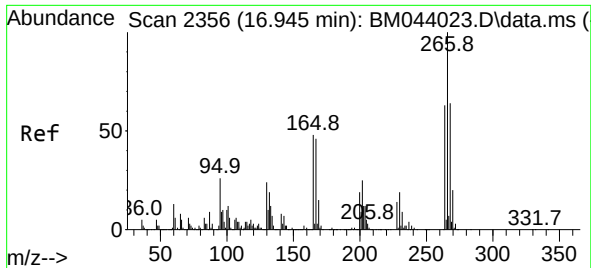
Tgt Ion:284 Resp: 112748
Ion Ratio Lower Upper
284 100
142 36.9 30.0 45.0
249 30.3 24.1 36.1



#69
Atrazine
Concen: 4.139 ng
RT: 16.774 min Scan# 2327
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:200 Resp: 85955
Ion Ratio Lower Upper
200 100
173 26.5 7.9 47.9
215 48.6 27.9 67.9

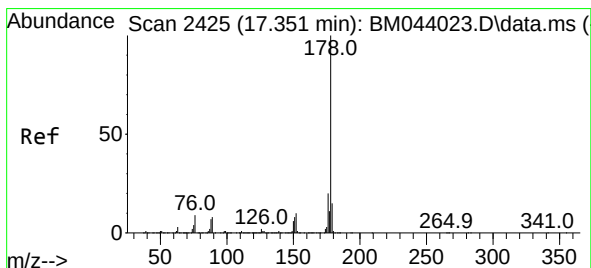
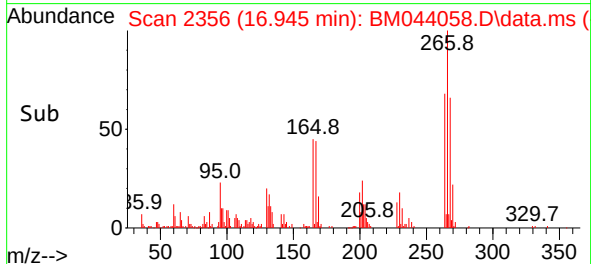
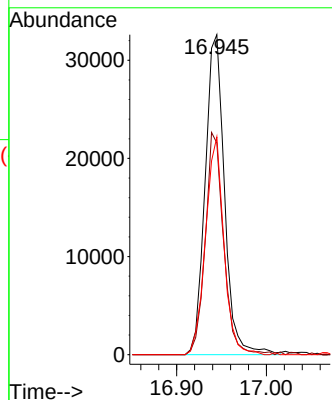
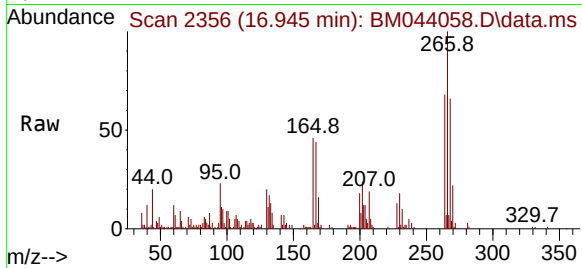




#70
 Pentachlorophenol
 Concen: 2.462 ng
 RT: 16.945 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

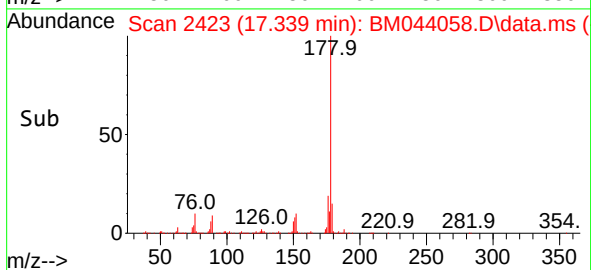
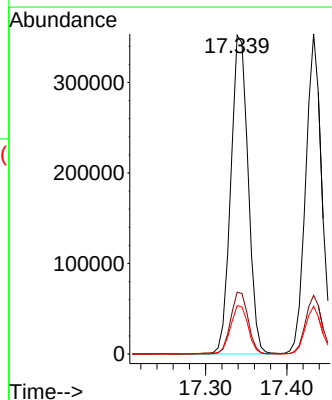
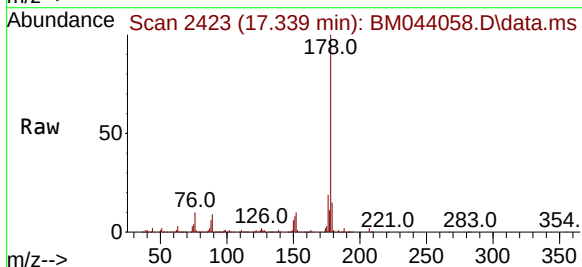
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

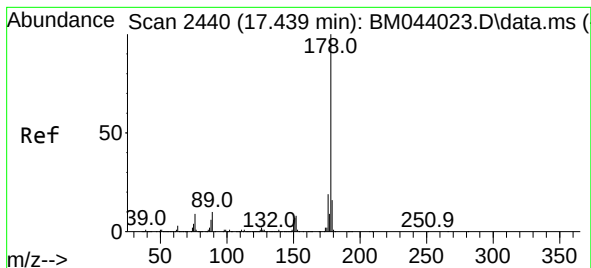
Tgt Ion:266 Resp: 48964
 Ion Ratio Lower Upper
 266 100
 268 66.2 51.1 76.7
 264 68.0 50.5 75.7



#71
 Phenanthrene
 Concen: 3.906 ng
 RT: 17.339 min Scan# 2423
 Delta R.T. -0.012 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

Tgt Ion:178 Resp: 520721
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.6 23.4
 179 15.2 12.2 18.4





#72

Anthracene

Concen: 3.728 ng

RT: 17.433 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

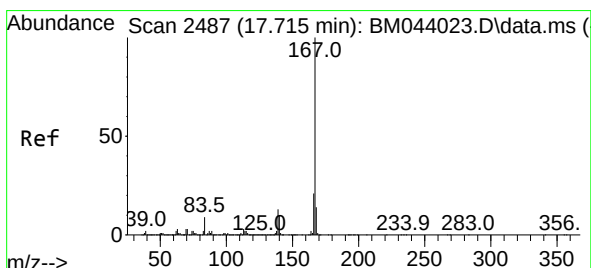
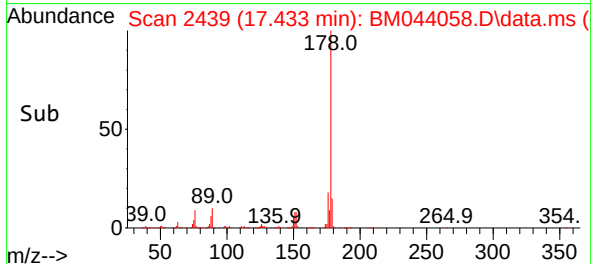
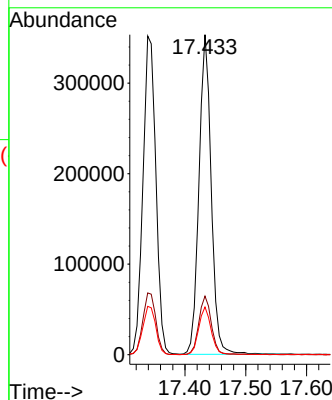
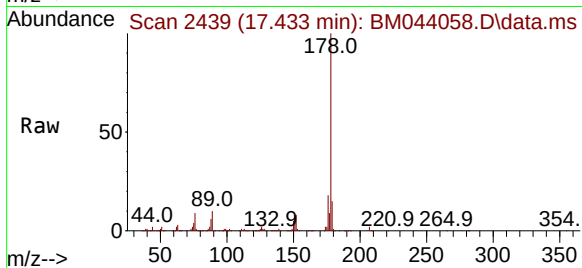
Tgt Ion:178 Resp: 491982

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

179 14.9 12.4 18.6



#73

Carbazole

Concen: 3.444 ng

RT: 17.709 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

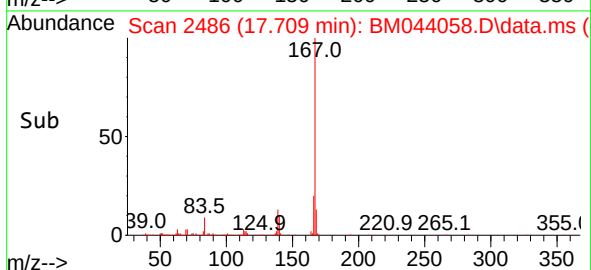
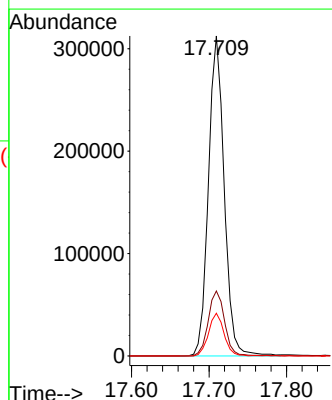
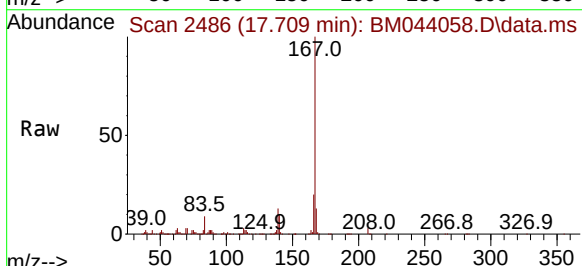
Tgt Ion:167 Resp: 442093

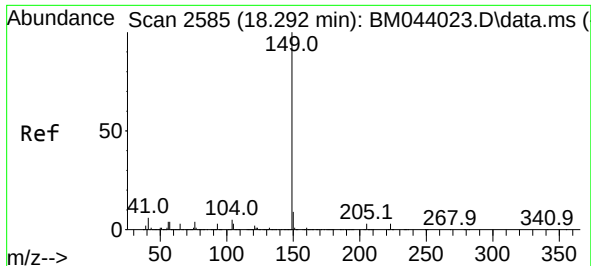
Ion Ratio Lower Upper

167 100

166 20.3 16.8 25.2

139 13.3 10.4 15.6

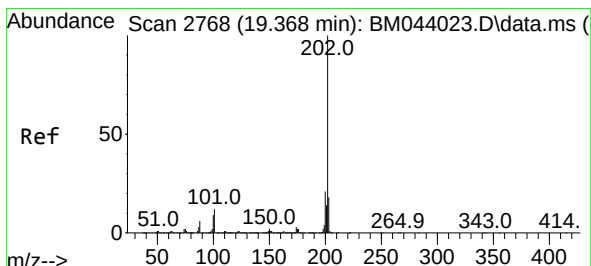
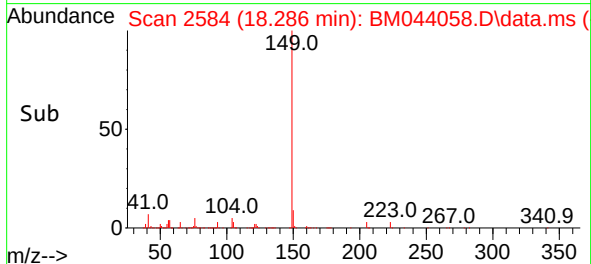
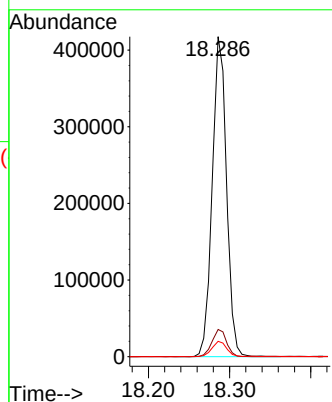
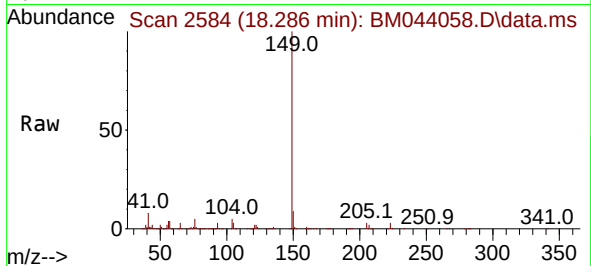




#74
Di-n-butylphthalate
Concen: 3.050 ng
RT: 18.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

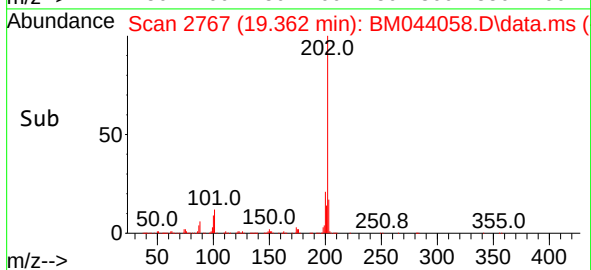
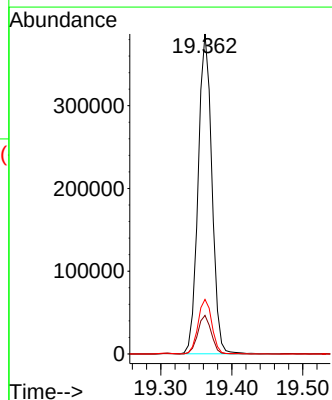
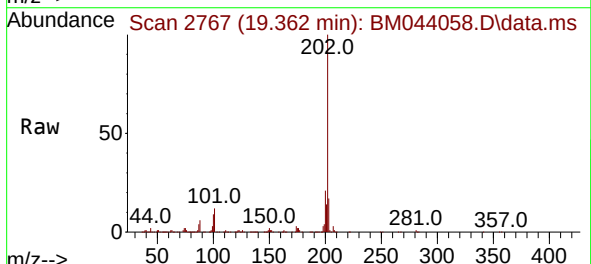
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

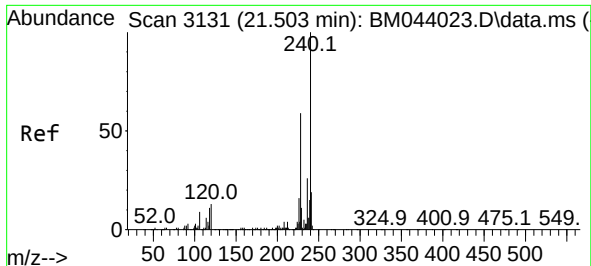
Tgt Ion:149 Resp: 508941
Ion Ratio Lower Upper
149 100
150 8.5 7.4 11.2
104 4.8 3.8 5.6



#75
Fluoranthene
Concen: 3.474 ng
RT: 19.362 min Scan# 2767
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:202 Resp: 520218
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.4
203 17.1 0.0 37.8

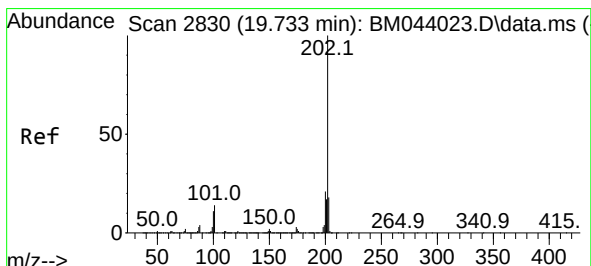
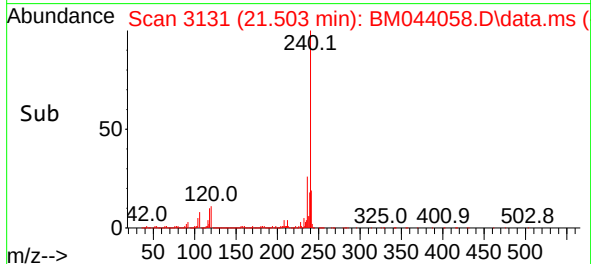
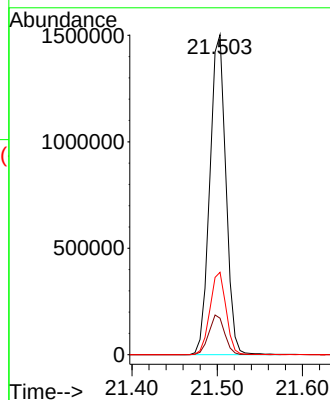
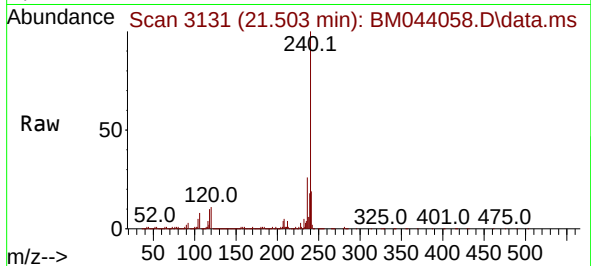




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

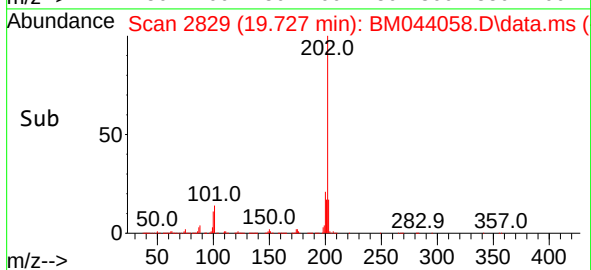
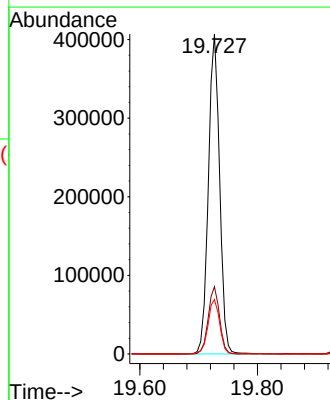
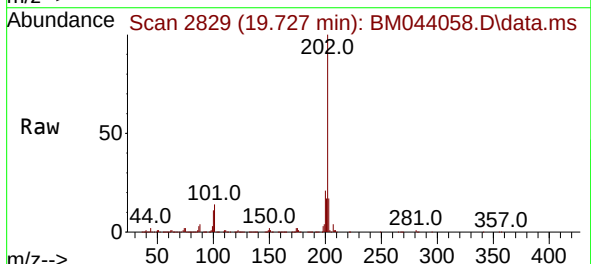
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

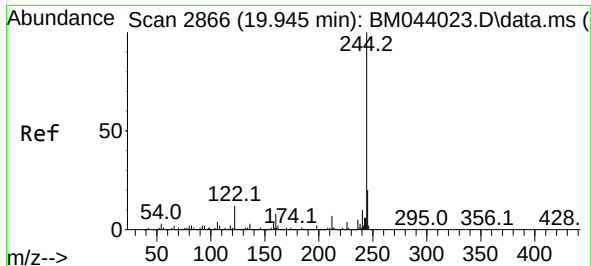
Tgt Ion:240 Resp: 1968145
Ion Ratio Lower Upper
240 100
120 11.4 10.1 15.1
236 25.7 20.6 31.0



#78
Pyrene
Concen: 3.558 ng
RT: 19.727 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:202 Resp: 539383
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.0 14.0 21.0

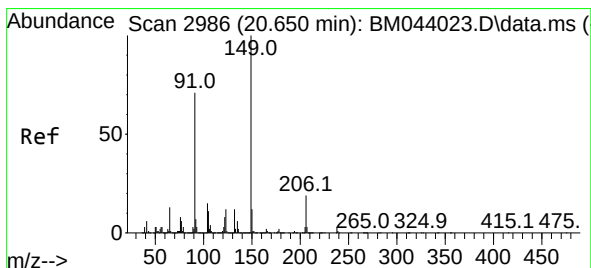
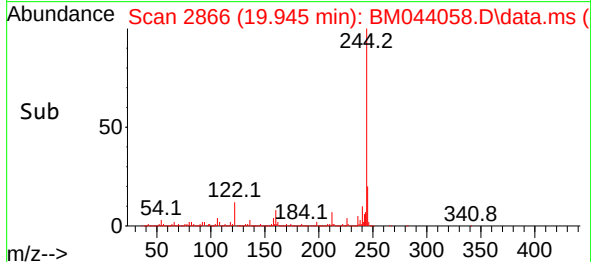
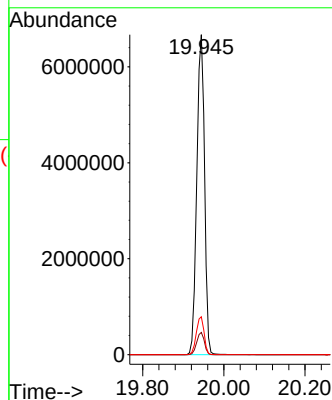
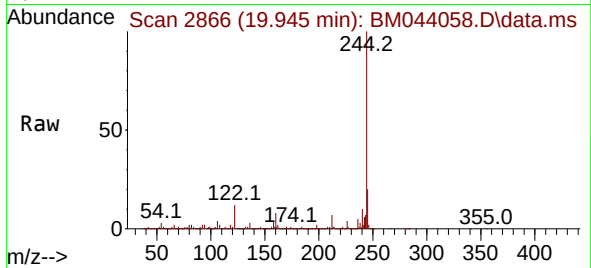




#79
 Terphenyl-d14
 Concen: 79.509 ng
 RT: 19.945 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

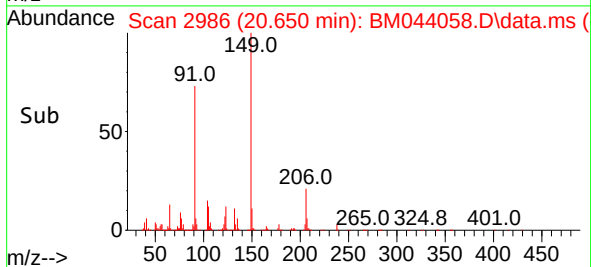
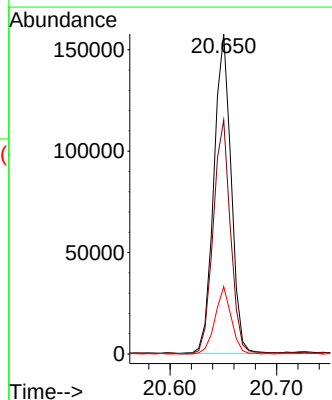
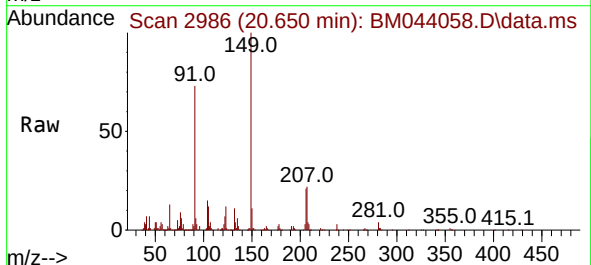
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

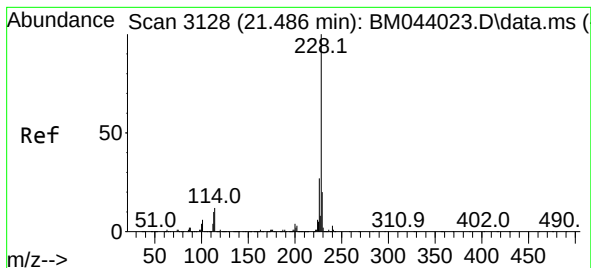
Tgt Ion:244 Resp: 8926578
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.8 9.5 14.3



#80
 Butylbenzylphthalate
 Concen: 2.630 ng
 RT: 20.650 min Scan# 2986
 Delta R.T. 0.000 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

Tgt Ion:149 Resp: 177217
 Ion Ratio Lower Upper
 149 100
 91 73.2 56.8 85.2
 206 21.0 15.0 22.6





#81

Benzo(a)anthracene

Concen: 3.637 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

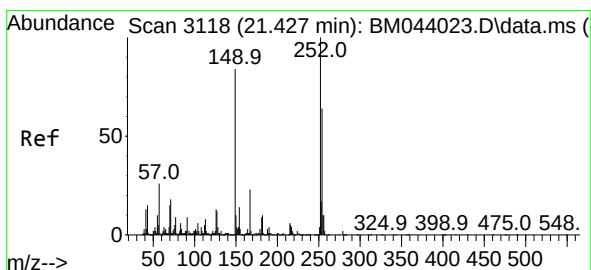
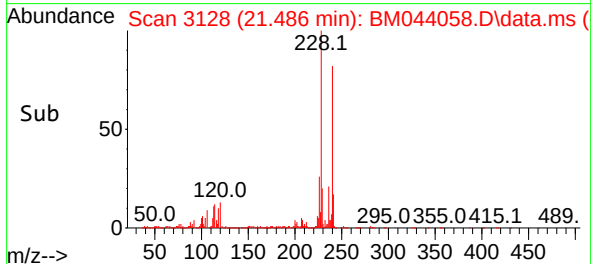
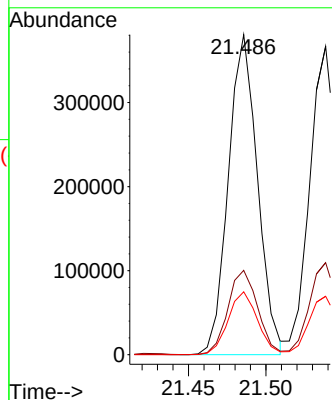
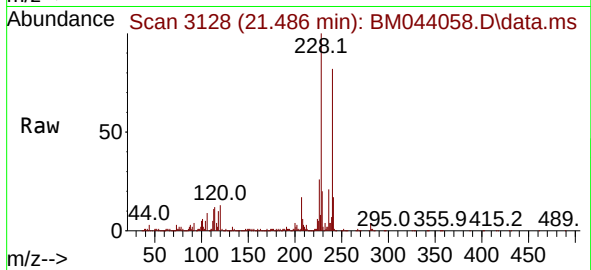
Tgt Ion:228 Resp: 497976

Ion Ratio Lower Upper

228 100

226 26.4 21.4 32.2

229 19.7 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 3.097 ng

RT: 21.427 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

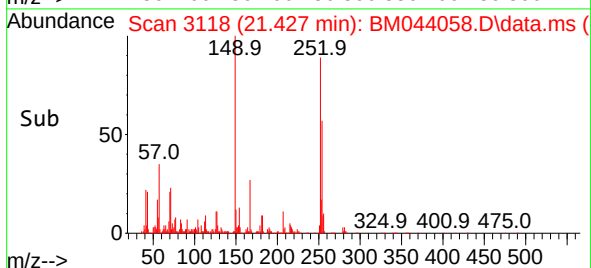
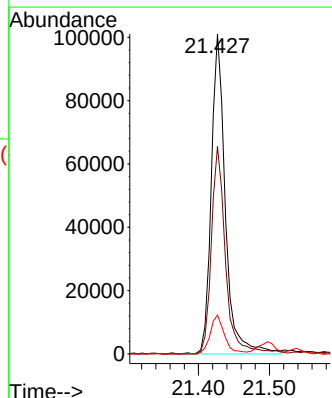
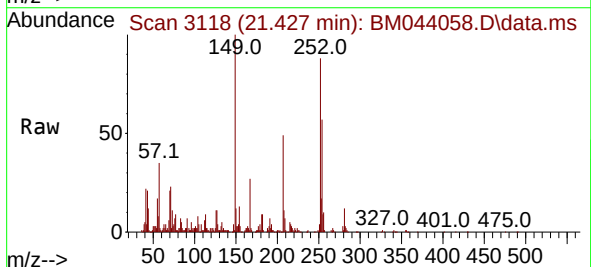
Tgt Ion:252 Resp: 139104

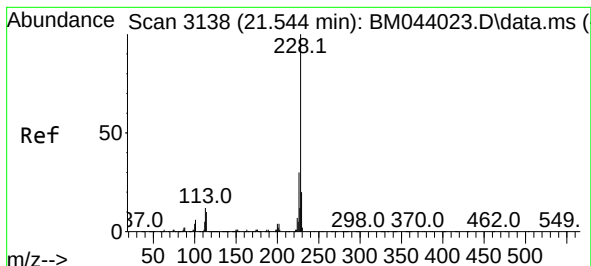
Ion Ratio Lower Upper

252 100

254 64.8 51.2 76.8

126 12.1 10.2 15.4





#83

Chrysene

Concen: 3.662 ng

RT: 21.539 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

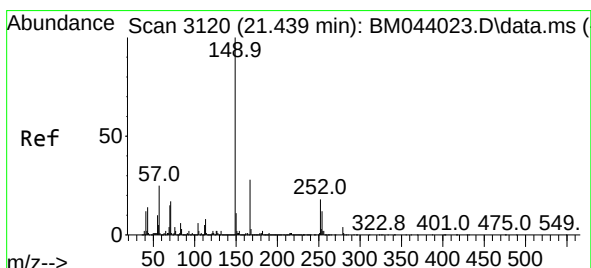
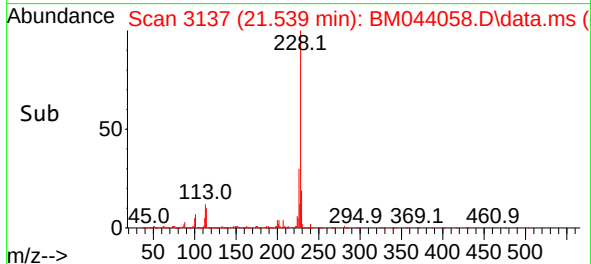
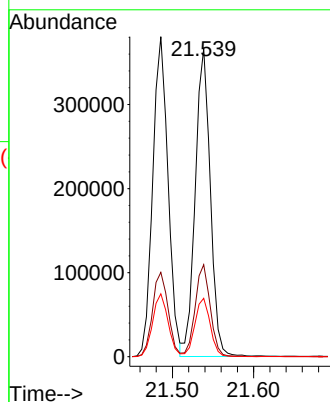
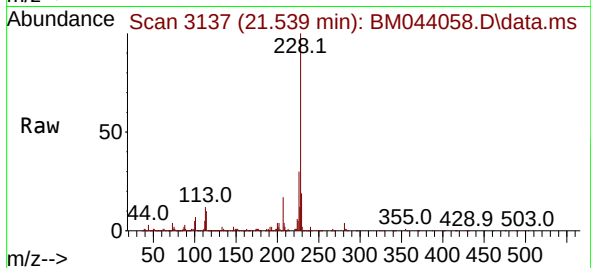
Tgt Ion:228 Resp: 473679

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 19.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.728 ng

RT: 21.433 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

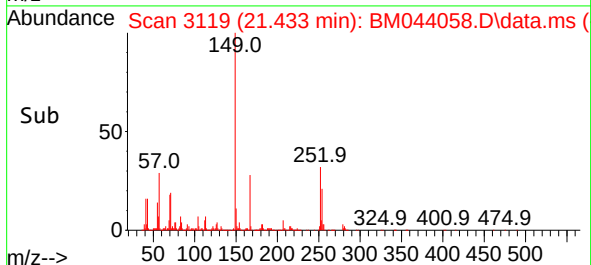
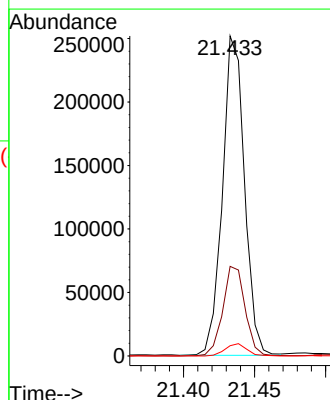
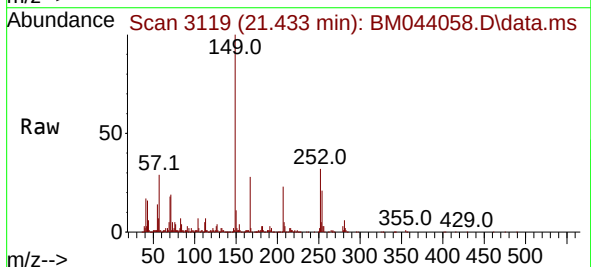
Tgt Ion:149 Resp: 271154

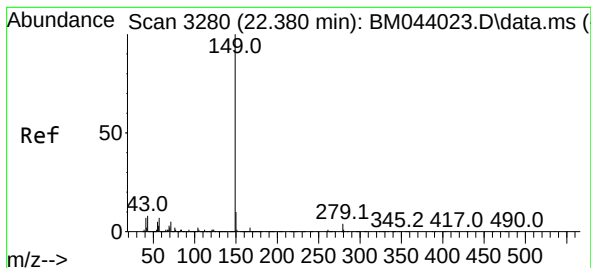
Ion Ratio Lower Upper

149 100

167 28.0 22.6 33.8

279 3.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 2.338 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

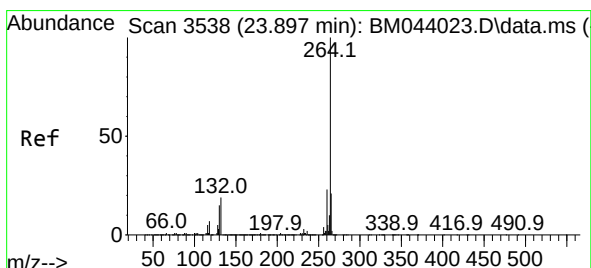
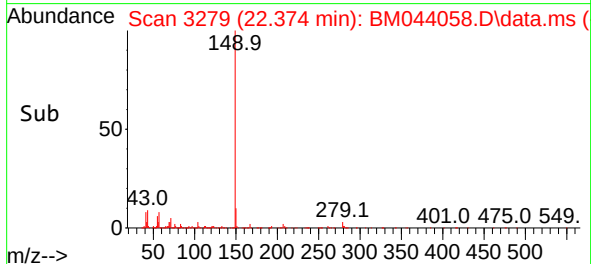
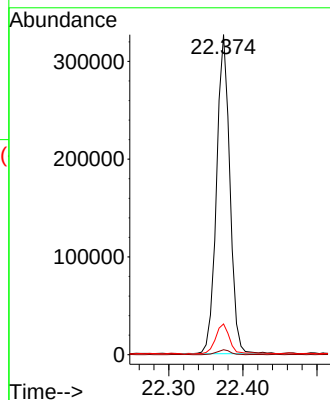
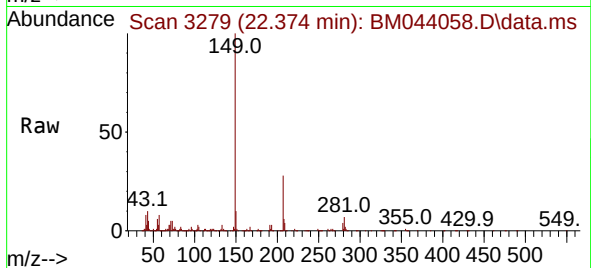
Tgt Ion:149 Resp: 405954

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.2 7.0 10.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.897 min Scan# 3538

Delta R.T. 0.000 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

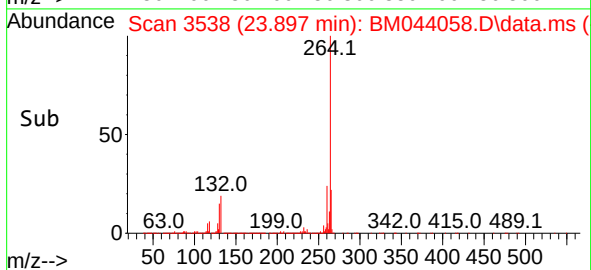
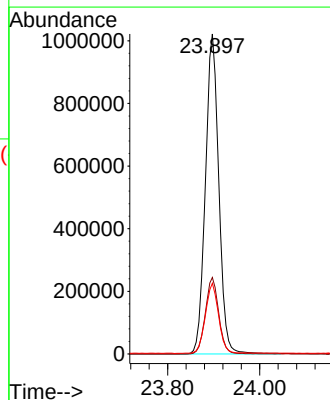
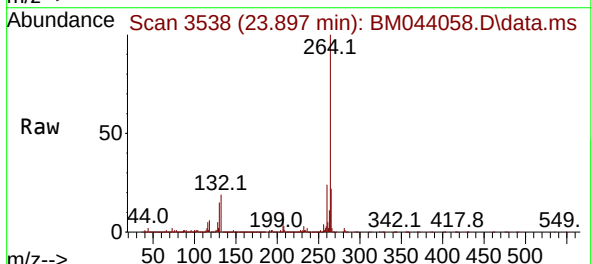
Tgt Ion:264 Resp: 2074183

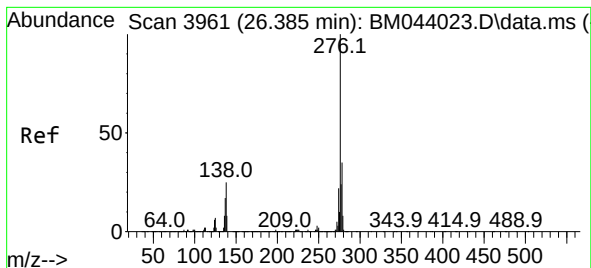
Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 22.1 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.403 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

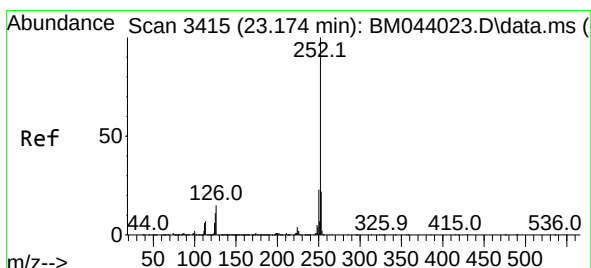
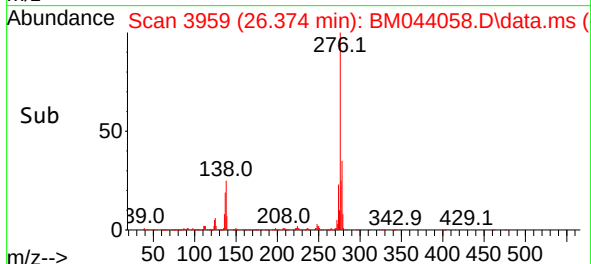
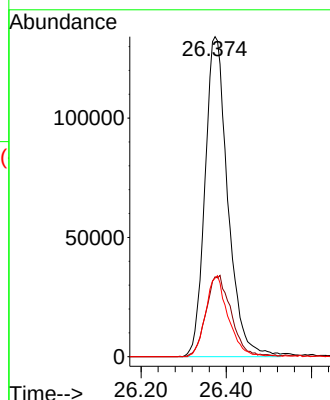
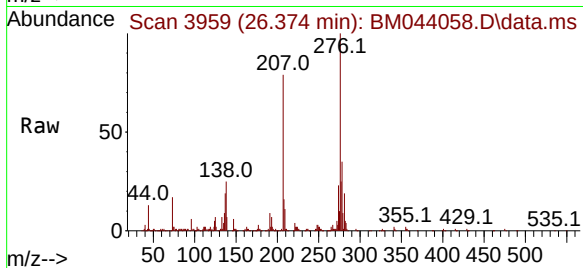
Tgt Ion:276 Resp: 499510

Ion Ratio Lower Upper

276 100

138 28.2 22.6 34.0

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.573 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

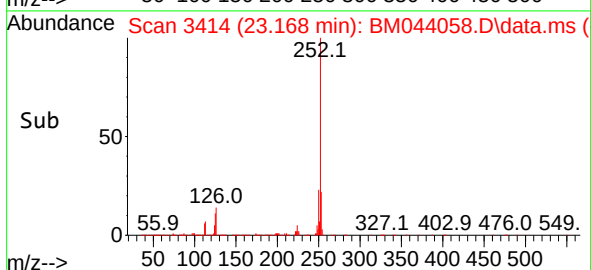
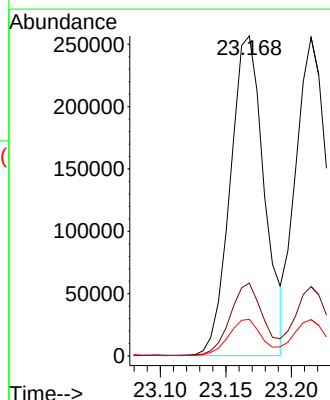
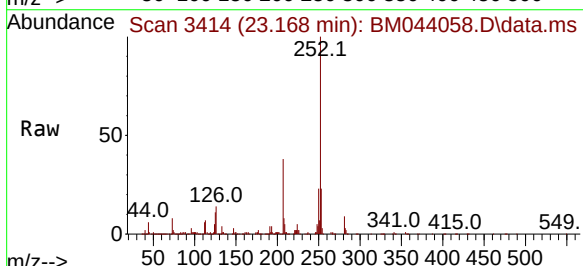
Tgt Ion:252 Resp: 463221

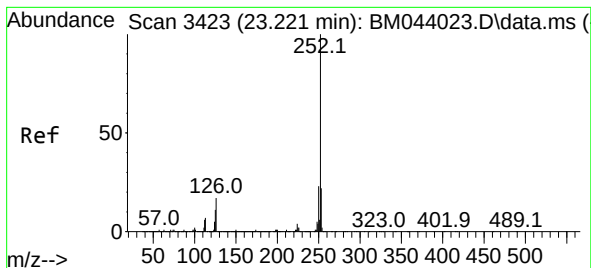
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.5 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 3.569 ng

RT: 23.215 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

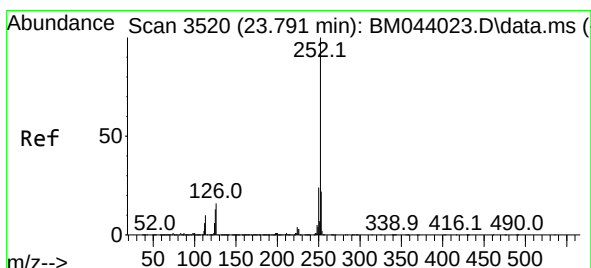
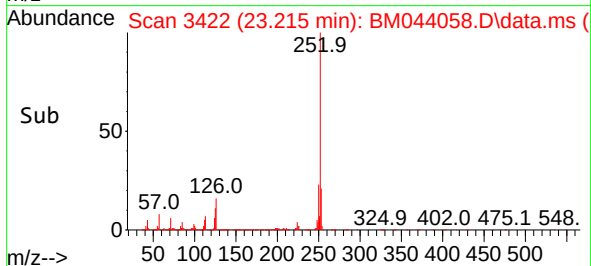
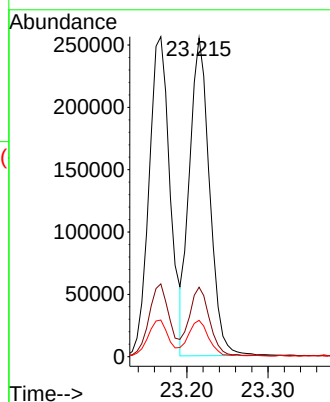
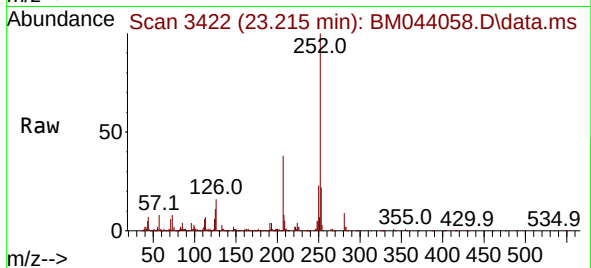
Tgt Ion:252 Resp: 439661

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 11.4 9.0 13.4



#90

Benzo(a)pyrene

Concen: 3.324 ng

RT: 23.785 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

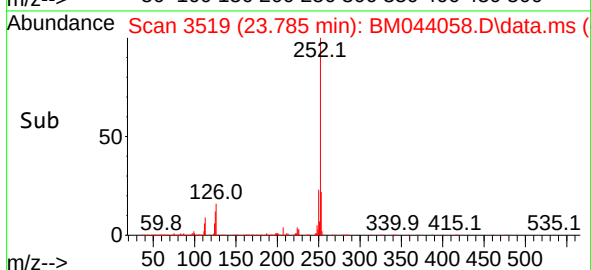
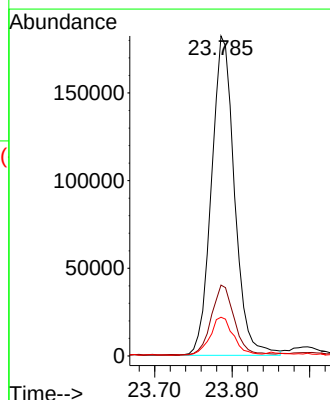
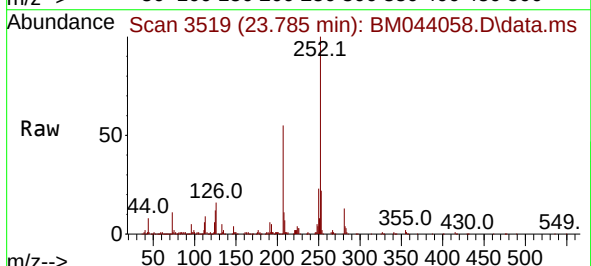
Tgt Ion:252 Resp: 376498

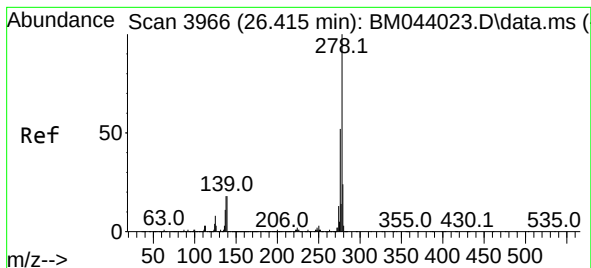
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 12.1 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 3.449 ng

RT: 26.397 min Scan# 3966

Delta R.T. -0.018 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

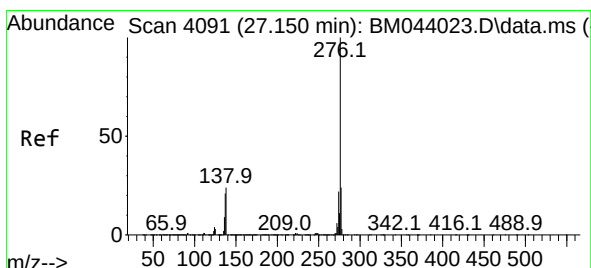
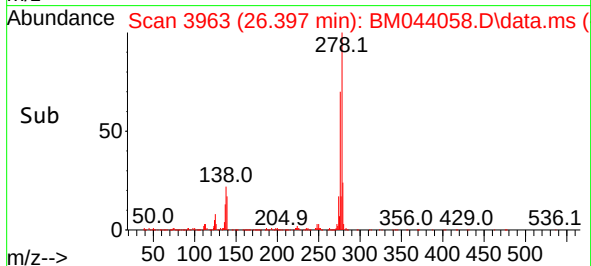
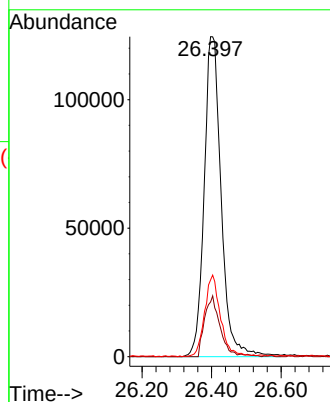
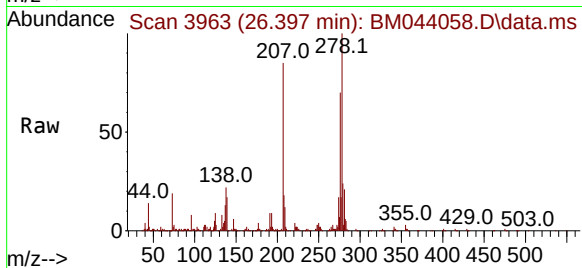
Tgt Ion:278 Resp: 423531

Ion Ratio Lower Upper

278 100

139 17.1 14.5 21.7

279 24.0 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 3.305 ng

RT: 27.138 min Scan# 4089

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion:276 Resp: 411535

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 22.9 19.1 28.7

