

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044062.D
 Acq On : 12 Feb 2024 18:19
 Operator : MA/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 13 00:47:44 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	419462	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2031908	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1242301	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2405845	20.000	ng	0.00
76) Chrysene-d12	21.498	240	1975095	20.000	ng	0.00
86) Perylene-d12	23.897	264	2182249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	4011337	139.088	ng	0.00
7) Phenol-d6	7.075	99	5605000	152.746	ng	0.00
23) Nitrobenzene-d5	9.075	82	3096682	80.870	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1770321	131.615	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	6846235	77.777	ng	0.00
79) Terphenyl-d14	19.945	244	8652375	76.796	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	48883	4.271	ng	99
3) Pyridine	3.793	79	118004	3.905	ng	94
4) n-Nitrosodimethylamine	3.710	42	45939	4.007	ng	# 89
6) Aniline	7.240	93	188227	5.217	ng	97
8) 2-Chlorophenol	7.463	128	118532	3.936	ng	96
9) Benzaldehyde	7.051	77	107606	5.706	ng	97
10) Phenol	7.098	94	170517	4.604	ng	93
11) bis(2-Chloroethyl)ether	7.340	93	131017	4.272	ng	99
12) 1,3-Dichlorobenzene	7.793	146	123481	3.611	ng	99
13) 1,4-Dichlorobenzene	7.940	146	126583	3.673	ng	99
14) 1,2-Dichlorobenzene	8.251	146	121770	3.708	ng	98
15) Benzyl Alcohol	8.151	79	110621	4.630	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.440	45	177032	4.554	ng	99
17) 2-Methylphenol	8.351	107	103971	4.277	ng	97
18) Hexachloroethane	8.975	117	44802	3.472	ng	97
19) n-Nitroso-di-n-propyla...	8.722	70	104158	4.623	ng	98
20) 3+4-Methylphenols	8.675	107	139080	4.157	ng	99
22) Acetophenone	8.734	105	210193	4.075	ng	# 98
24) Nitrobenzene	9.116	77	155133	3.956	ng	96
25) Isophorone	9.640	82	273104	3.704	ng	100
26) 2-Nitrophenol	9.828	139	55143	3.033	ng	98
27) 2,4-Dimethylphenol	9.887	122	98674	4.245	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	190400	3.993	ng	98
29) 2,4-Dichlorophenol	10.351	162	106449	3.478	ng	97
30) 1,2,4-Trichlorobenzene	10.569	180	120626	3.505	ng	98
31) Naphthalene	10.757	128	412335	3.677	ng	98
32) Benzoic acid	9.945	122	37976	1.622	ng	93
33) 4-Chloroaniline	10.875	127	170532	4.016	ng	99
34) Hexachlorobutadiene	11.034	225	67566	3.430	ng	99
35) Caprolactam	11.651	113	29260	2.971	ng	95
36) 4-Chloro-3-methylphenol	11.998	107	110731	3.341	ng	98
37) 2-Methylnaphthalene	12.369	142	282642	3.784	ng	96
38) 1-Methylnaphthalene	12.586	142	274819	3.744	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	133495	3.697	ng	99
41) Hexachlorocyclopentadiene	12.704	237	59571	3.780	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	74158	3.018	ng	93

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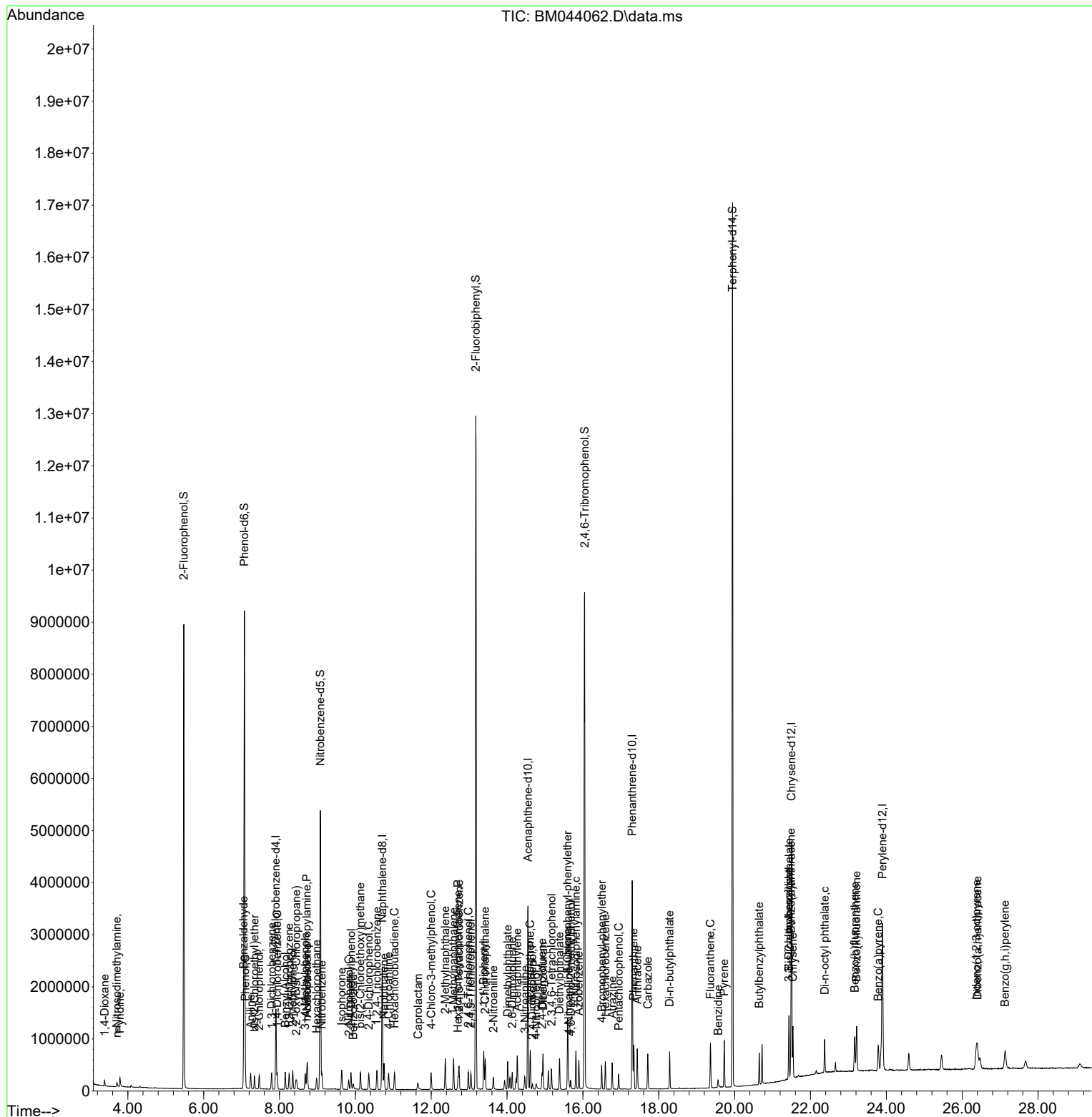
Instrument :
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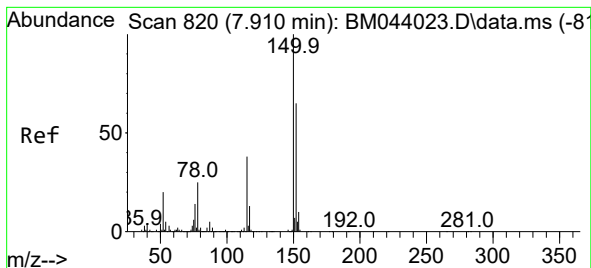
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	83793	3.107	ng	96
46) 1,1'-Biphenyl	13.386	154	375504	3.831	ng	99
47) 2-Chloronaphthalene	13.422	162	284568	3.665	ng	97
48) 2-Nitroaniline	13.639	65	68071	3.116	ng	90
49) Acenaphthylene	14.269	152	451927	3.901	ng	99
50) Dimethylphthalate	14.016	163	337565	3.665	ng	99
51) 2,6-Dinitrotoluene	14.139	165	62102	3.056	ng	95
52) Acenaphthene	14.610	154	262703	3.664	ng	100
53) 3-Nitroaniline	14.469	138	63181	2.893	ng	98
54) 2,4-Dinitrophenol	14.669	184	19416	7.068	ng	92
55) Dibenzofuran	14.951	168	432989	3.902	ng	100
56) 4-Nitrophenol	14.769	139	40503	2.281	ng	# 86
57) 2,4-Dinitrotoluene	14.922	165	73512	2.768	ng	93
58) Fluorene	15.598	166	330491	3.854	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	71071	3.359	ng	97
60) Diethylphthalate	15.380	149	327581	3.441	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	161917	3.897	ng	96
62) 4-Nitroaniline	15.627	138	60560	2.755	ng	92
63) Azobenzene	15.892	77	315833	3.536	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	30931	2.158	ng	97
66) n-Nitrosodiphenylamine	15.816	169	265845	3.637	ng	98
67) 4-Bromophenyl-phenylether	16.498	248	78263	3.290	ng	98
68) Hexachlorobenzene	16.592	284	107313	3.683	ng	99
69) Atrazine	16.774	200	83266	4.207	ng	99
70) Pentachlorophenol	16.945	266	47766	2.520	ng	99
71) Phenanthrene	17.339	178	504832	3.974	ng	99
72) Anthracene	17.433	178	467689	3.718	ng	99
73) Carbazole	17.710	167	431139	3.525	ng	100
74) Di-n-butylphthalate	18.286	149	485096	3.051	ng	99
75) Fluoranthene	19.362	202	503398	3.527	ng	99
77) Benzidine	19.562	184	109598	3.571	ng	98
78) Pyrene	19.727	202	532760	3.502	ng	99
80) Butylbenzylphthalate	20.651	149	178093	2.634	ng	97
81) Benzo(a)anthracene	21.486	228	499272	3.634	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	151042	3.351	ng	99
83) Chrysene	21.539	228	476168	3.669	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	280999	2.817	ng	# 98
85) Di-n-octyl phthalate	22.374	149	421695	2.420	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	538255	3.485	ng	99
88) Benzo(b)fluoranthene	23.168	252	482367	3.536	ng	99
89) Benzo(k)fluoranthene	23.215	252	460882	3.556	ng	99
90) Benzo(a)pyrene	23.786	252	401274	3.368	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	453538	3.511	ng	99
92) Benzo(g,h,i)perylene	27.127	276	438726	3.348	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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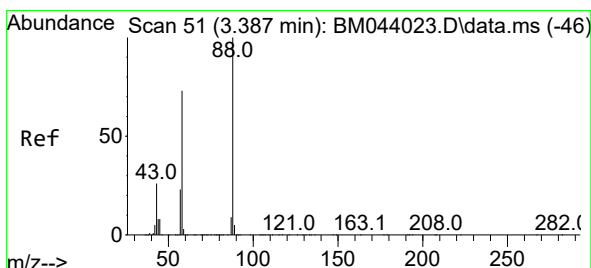
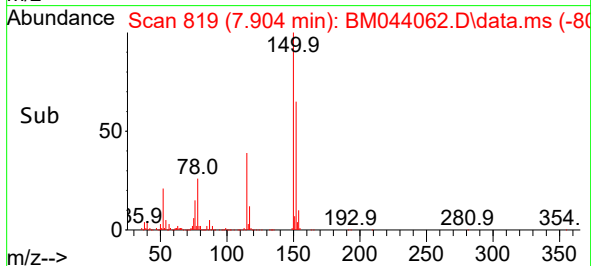
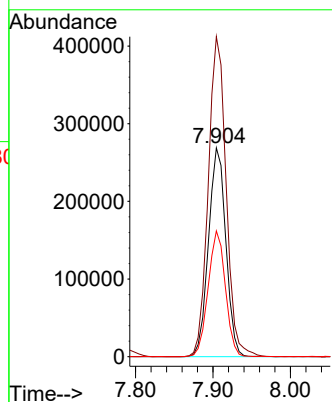
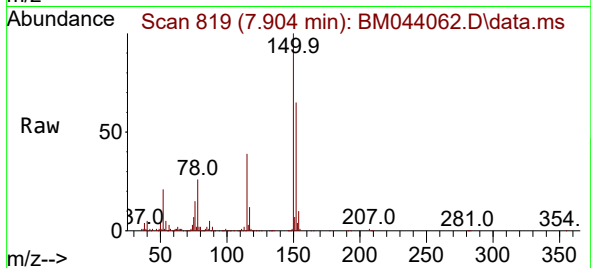




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.904 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM044062.D
 Acq: 12 Feb 2024 18:19

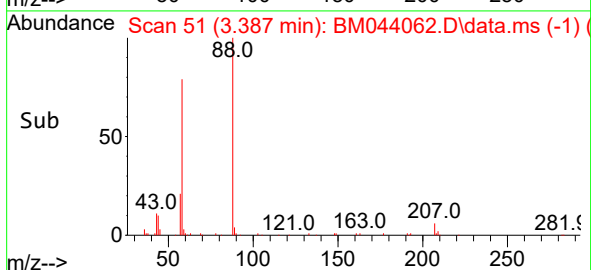
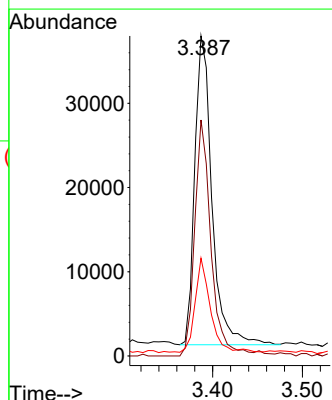
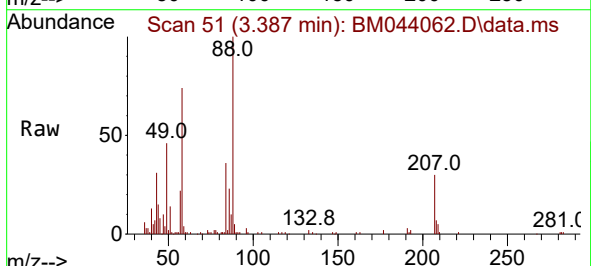
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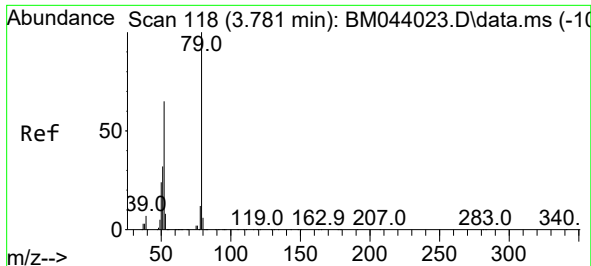
Tgt Ion:152 Resp: 419462
 Ion Ratio Lower Upper
 152 100
 150 153.3 122.7 184.1
 115 60.3 47.0 70.6



#2
 1,4-Dioxane
 Concen: 4.271 ng
 RT: 3.387 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BM044062.D
 Acq: 12 Feb 2024 18:19

Tgt Ion: 88 Resp: 48883
 Ion Ratio Lower Upper
 88 100
 58 72.9 58.1 87.1
 43 27.0 21.1 31.7

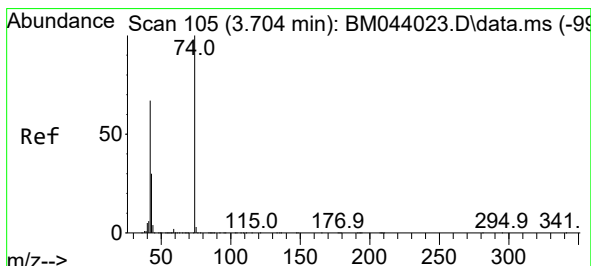
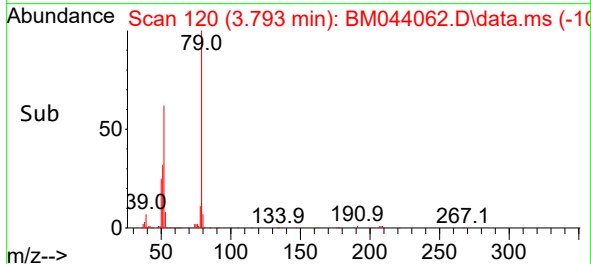
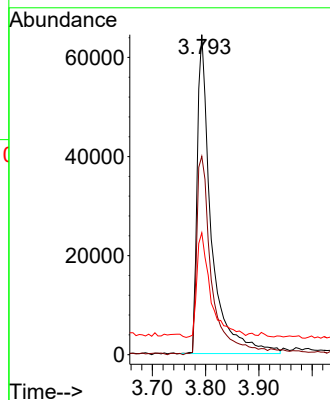
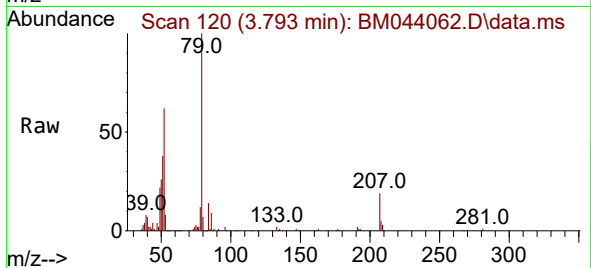




#3
Pyridine
Concen: 3.905 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

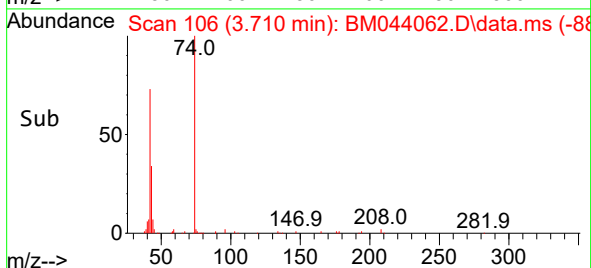
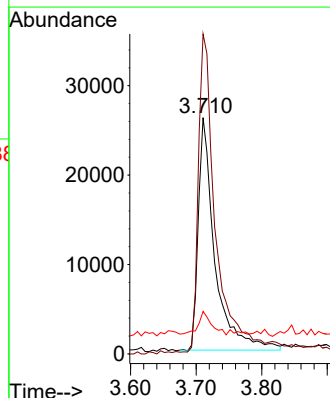
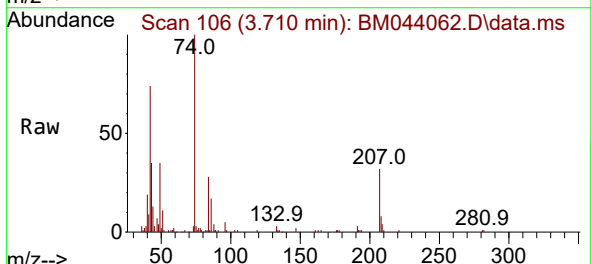
Instrument :
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ClientSampleId :
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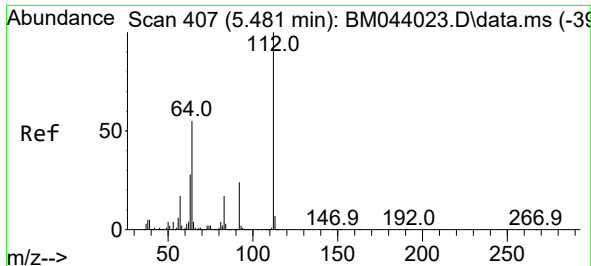
Tgt Ion: 79 Resp: 118004
Ion Ratio Lower Upper
79 100
52 62.0 52.2 78.2
51 38.1 26.2 39.4



#4
n-Nitrosodimethylamine
Concen: 4.007 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion: 42 Resp: 45939
Ion Ratio Lower Upper
42 100
74 135.4 118.6 178.0
44 18.0 5.6 8.4

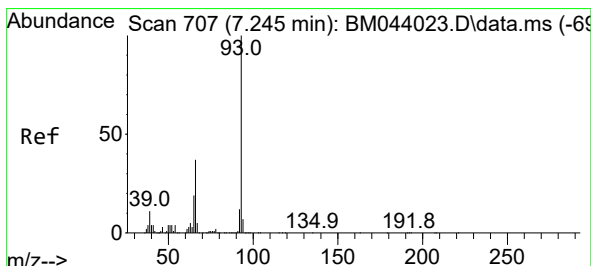
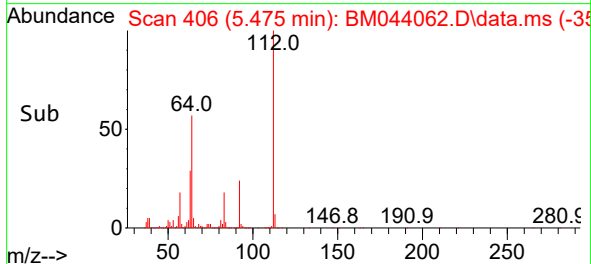
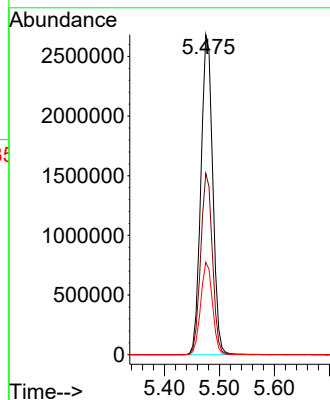
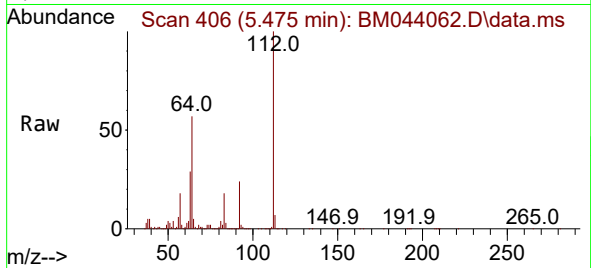




#5
2-Fluorophenol
Concen: 139.088 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

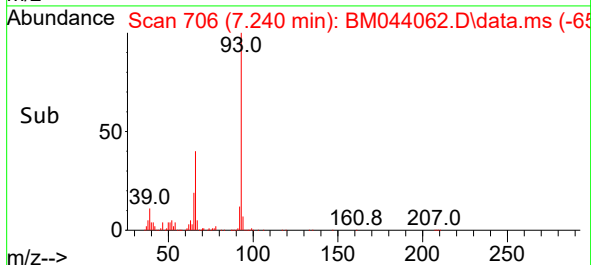
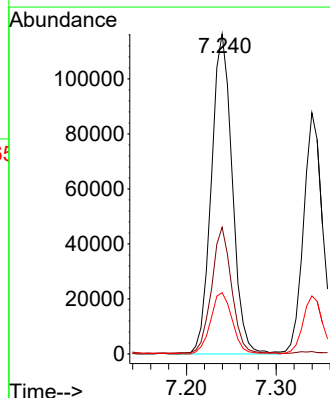
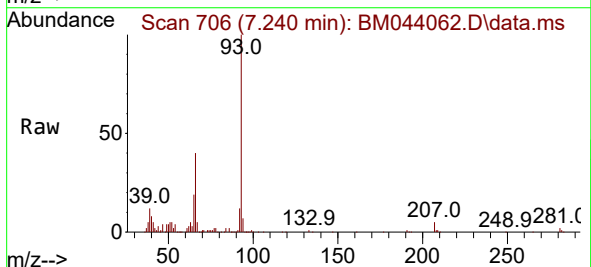
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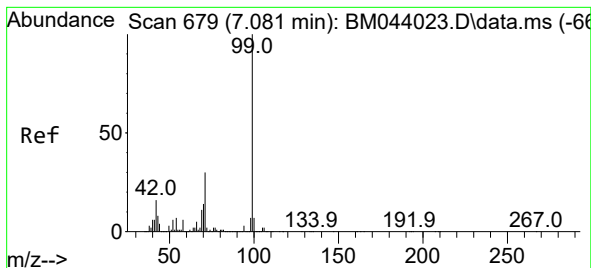
Tgt Ion:112 Resp: 4011337
Ion Ratio Lower Upper
112 100
64 56.7 44.2 66.4
63 28.9 22.6 34.0



#6
Aniline
Concen: 5.217 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion: 93 Resp: 188227
Ion Ratio Lower Upper
93 100
66 39.6 29.4 44.0
65 19.1 15.2 22.8





#7

Phenol-d6

Concen: 152.746 ng

RT: 7.075 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

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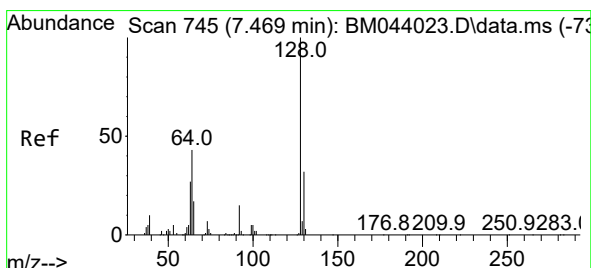
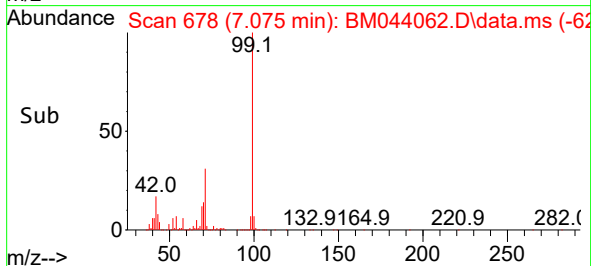
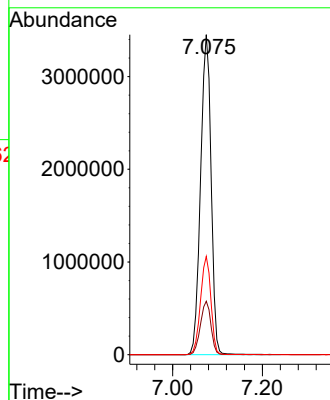
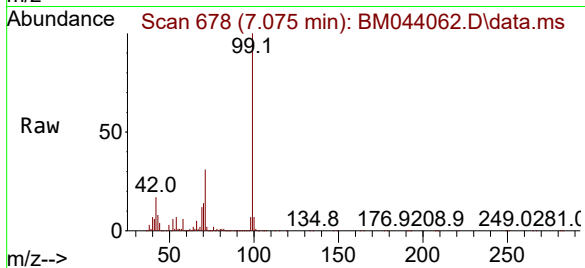
Tgt Ion: 99 Resp: 5605000

Ion Ratio Lower Upper

99 100

42 16.7 12.9 19.3

71 30.7 23.9 35.9



#8

2-Chlorophenol

Concen: 3.936 ng

RT: 7.463 min Scan# 744

Delta R.T. -0.006 min

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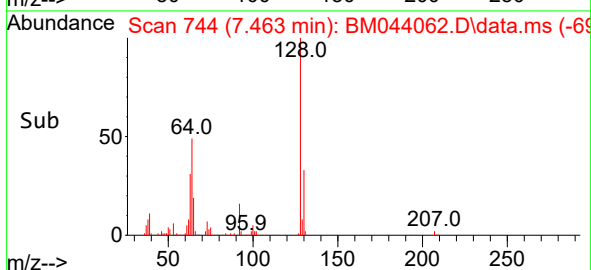
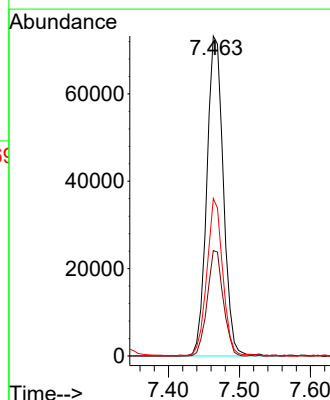
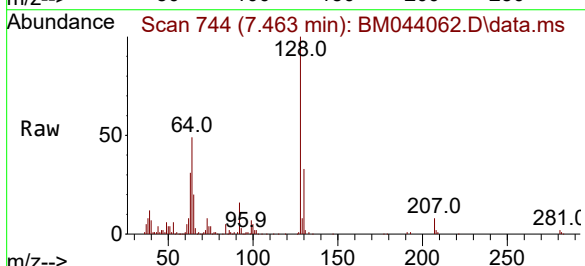
Tgt Ion: 128 Resp: 118532

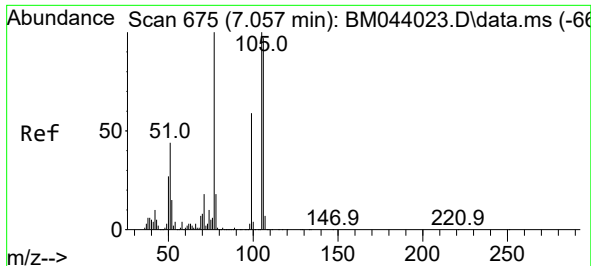
Ion Ratio Lower Upper

128 100

130 33.0 12.1 52.1

64 49.2 26.0 66.0

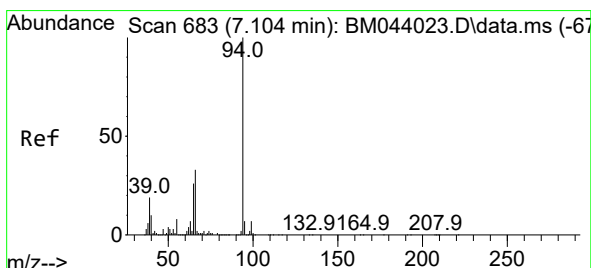
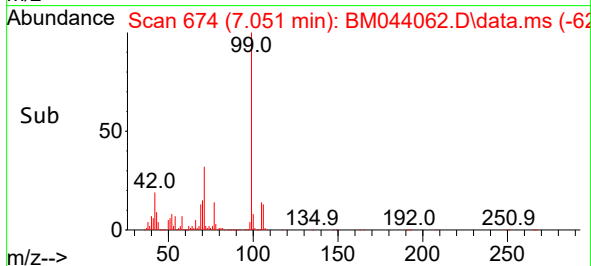
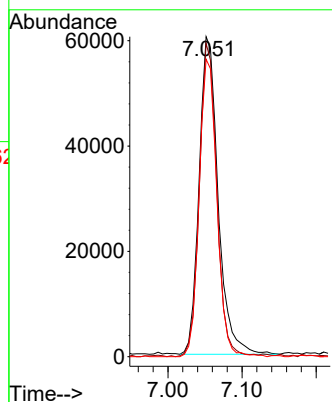
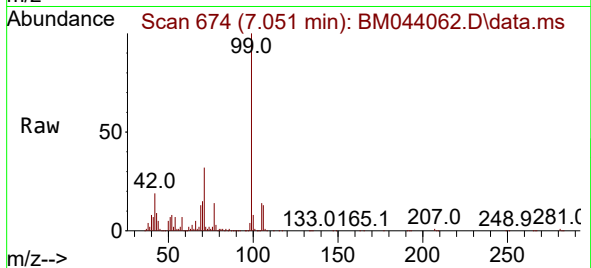




#9
Benzaldehyde
Concen: 5.706 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044062.D
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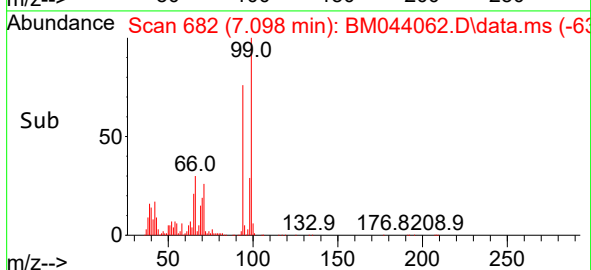
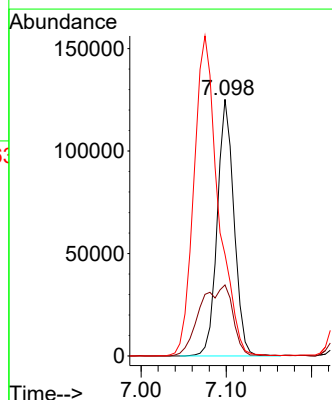
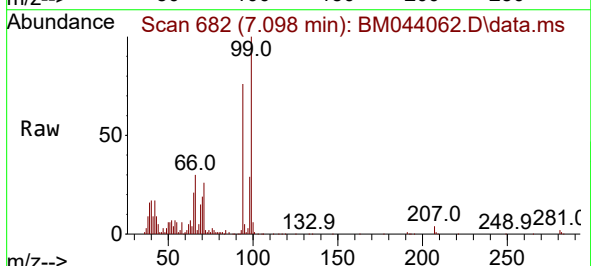
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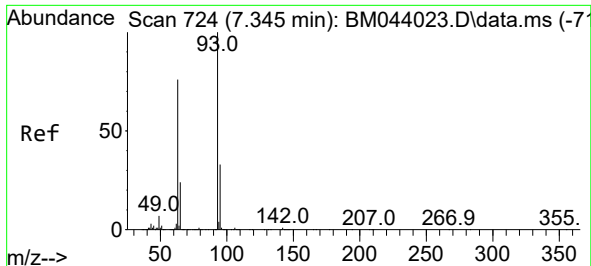
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Ion Ratio Lower Upper
77 100
105 97.9 80.0 120.0
106 93.0 76.8 116.8



#10
Phenol
Concen: 4.604 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion: 94 Resp: 170517
Ion Ratio Lower Upper
94 100
65 27.7 6.4 46.4
66 39.6 13.2 53.2

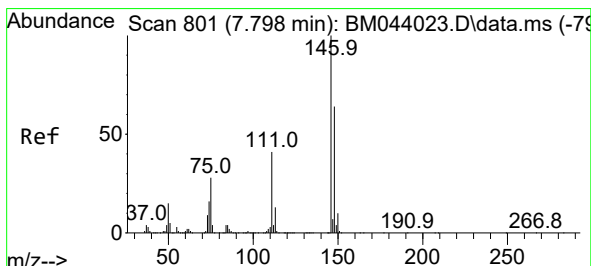
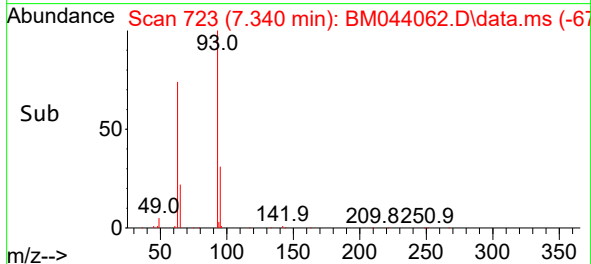
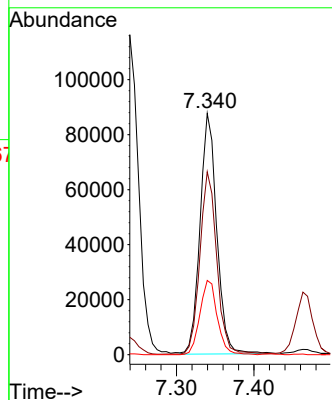
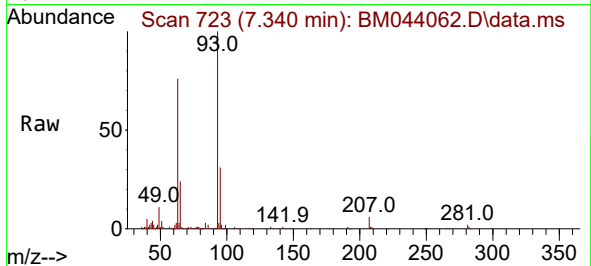




#11
bis(2-Chloroethyl)ether
Concen: 4.272 ng
RT: 7.340 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

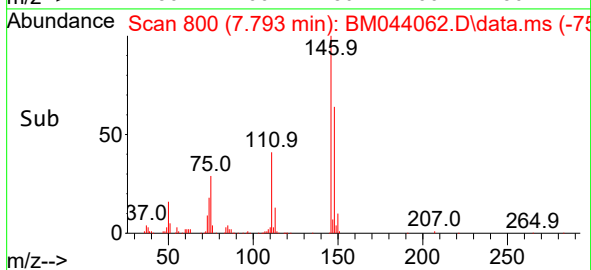
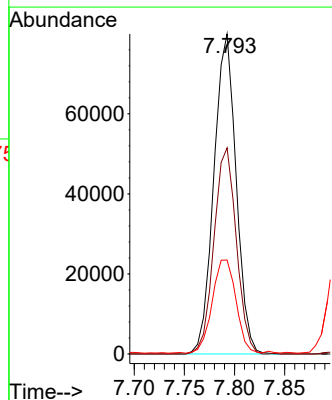
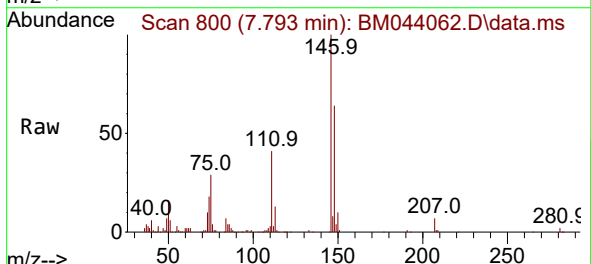
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

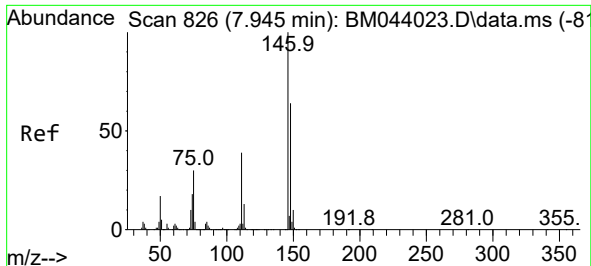
Tgt Ion: 93 Resp: 131017
Ion Ratio Lower Upper
93 100
63 75.8 55.9 95.9
95 30.7 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 3.611 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:146 Resp: 123481
Ion Ratio Lower Upper
146 100
148 64.4 51.3 76.9
75 29.4 22.7 34.1

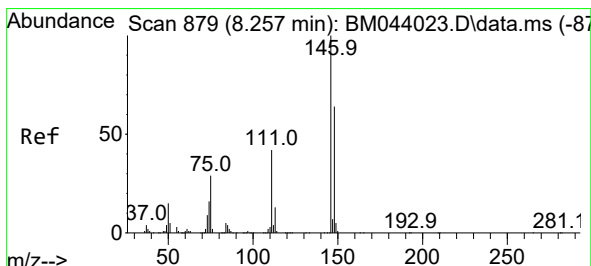
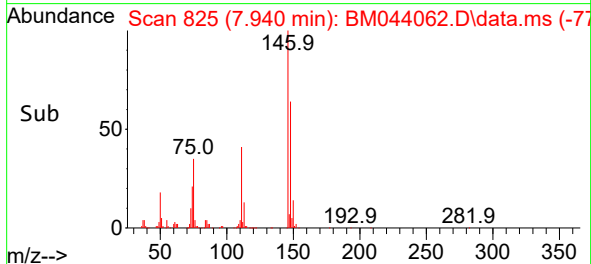
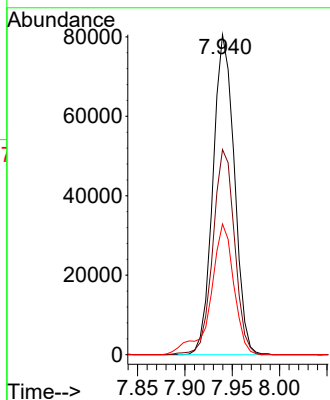
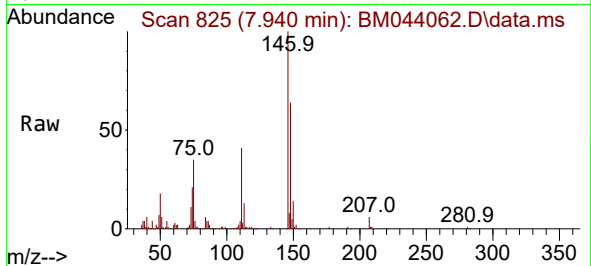




#13
1,4-Dichlorobenzene
Concen: 3.673 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

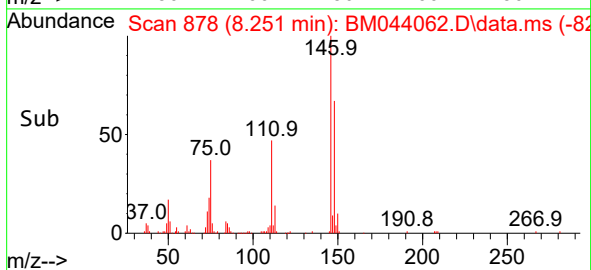
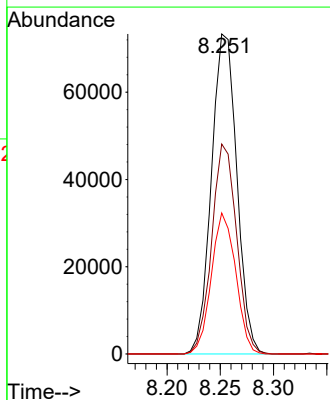
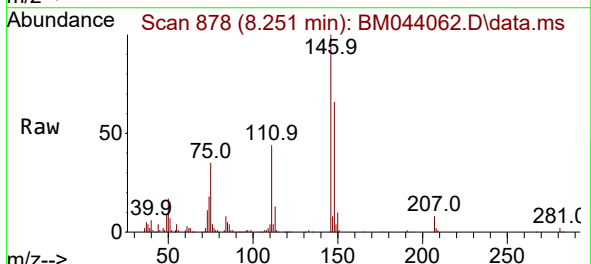
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

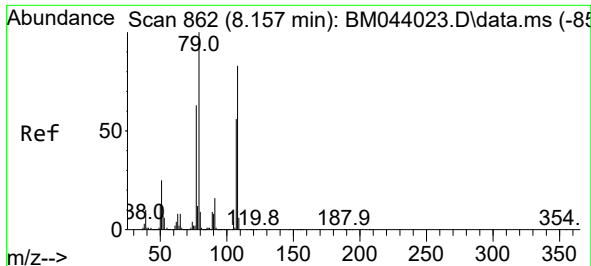
Tgt Ion:146 Resp: 126583
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
111 40.8 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 3.708 ng
RT: 8.251 min Scan# 878
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:146 Resp: 121770
Ion Ratio Lower Upper
146 100
148 65.6 51.4 77.2
111 44.0 33.7 50.5

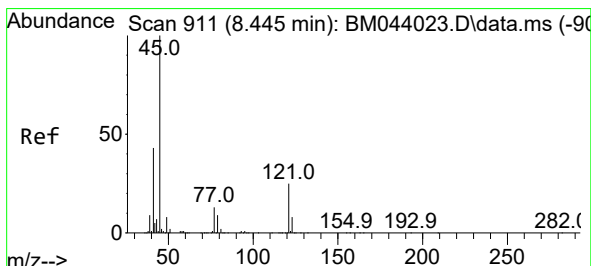
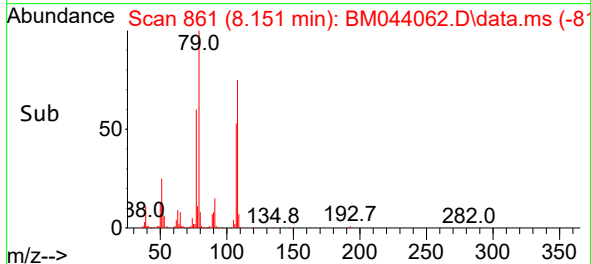
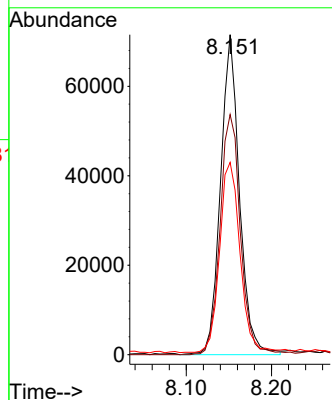
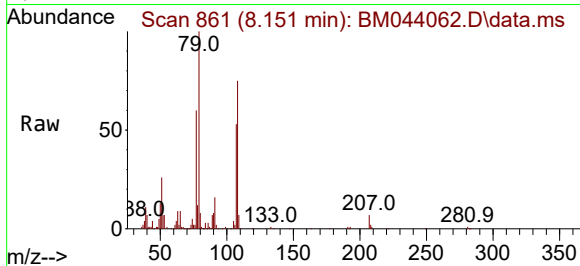




#15
Benzyl Alcohol
Concen: 4.630 ng
RT: 8.151 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

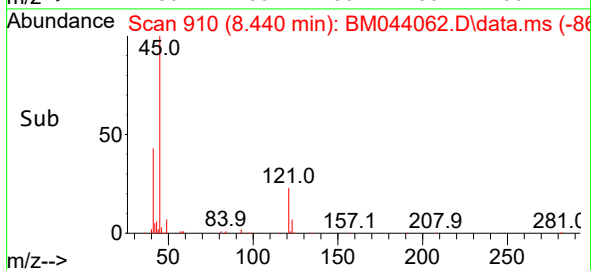
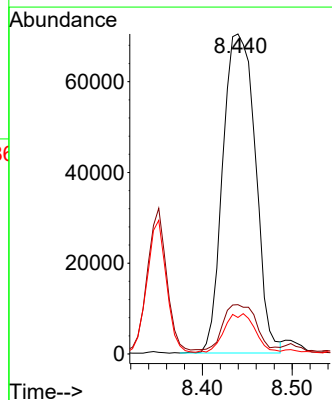
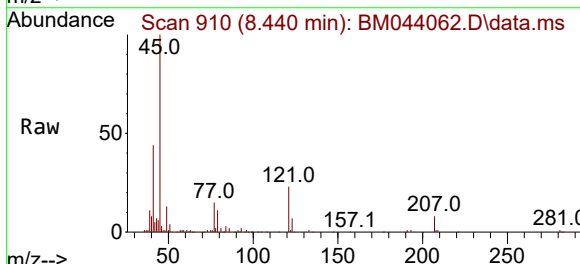
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

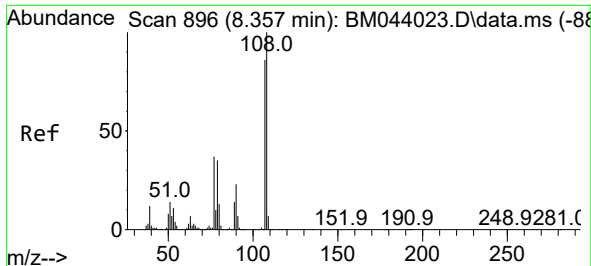
Tgt Ion: 79 Resp: 110621
Ion Ratio Lower Upper
79 100
108 75.0 66.0 99.0
77 60.1 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.554 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion: 45 Resp: 177032
Ion Ratio Lower Upper
45 100
77 15.4 0.0 35.1
79 11.4 0.0 31.5

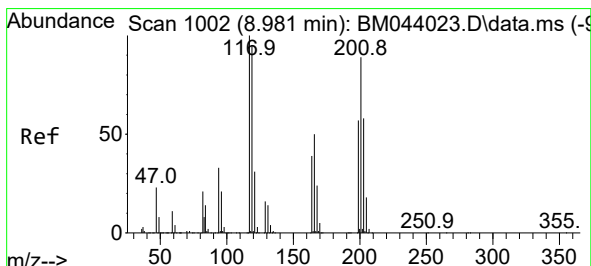
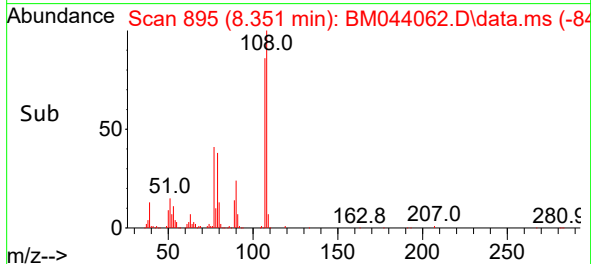
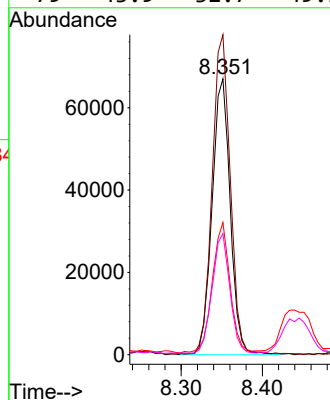
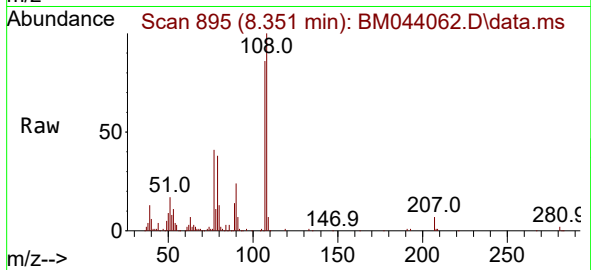




#17
2-Methylphenol
Concen: 4.277 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

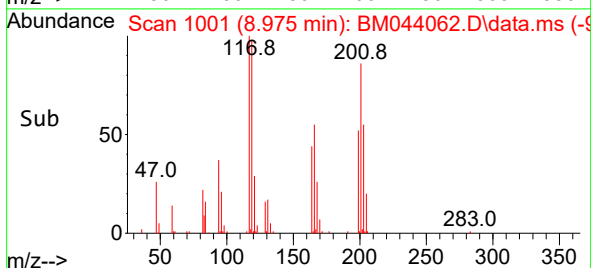
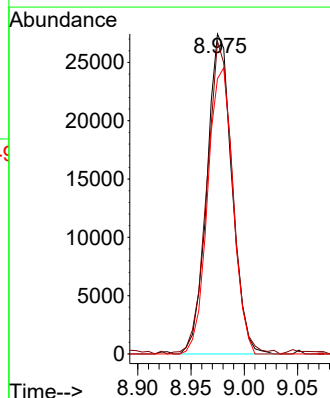
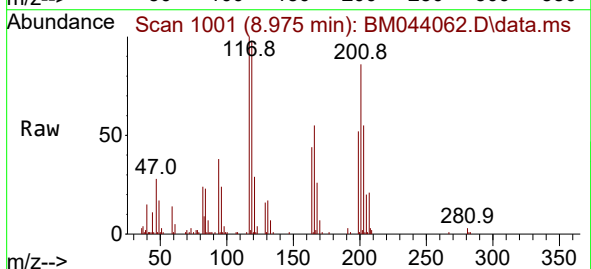
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

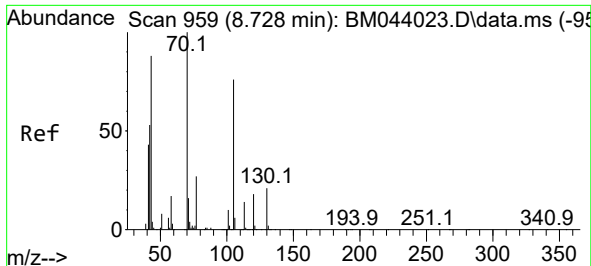
Tgt Ion:	107	Resp:	103971
Ion	Ratio	Lower	Upper
107	100		
108	116.0	93.4	140.2
77	47.9	34.7	52.1
79	43.9	32.7	49.1



#18
Hexachloroethane
Concen: 3.472 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:	117	Resp:	44802
Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.7	113.5
201	86.0	71.5	107.3

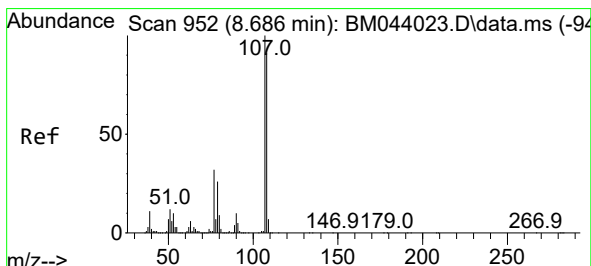
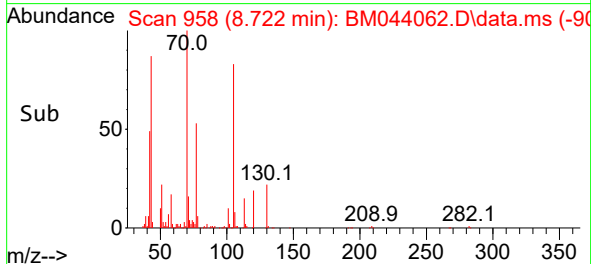
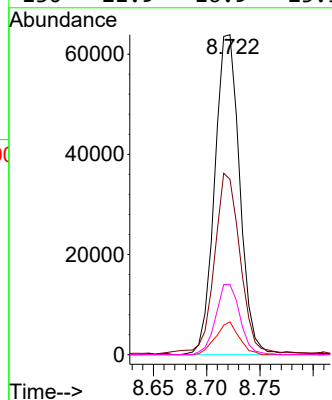
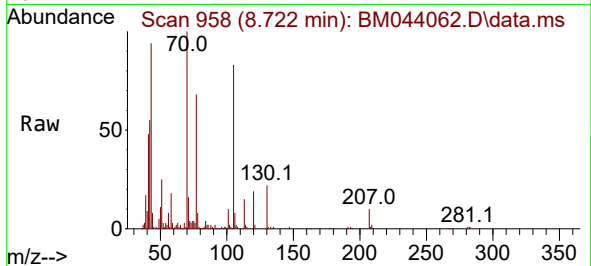




#19
n-Nitroso-di-n-propylamine
Concen: 4.623 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

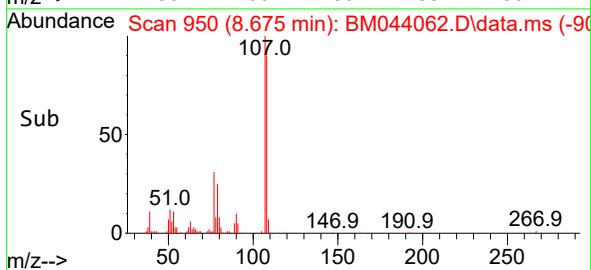
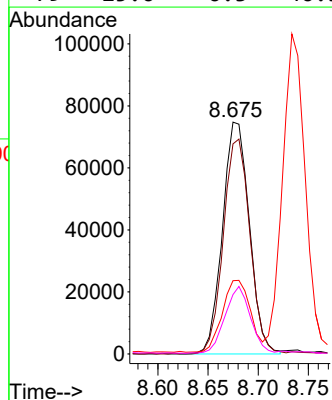
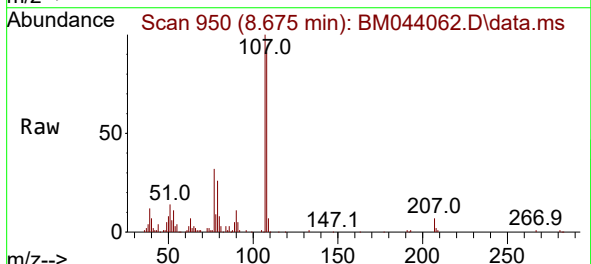
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

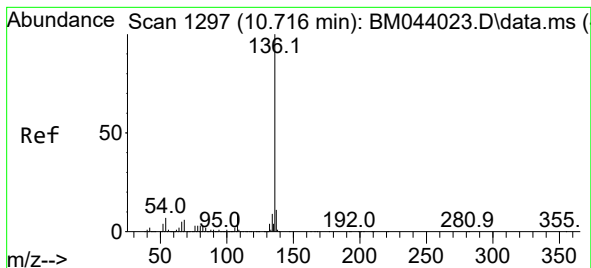
Tgt Ion: 70 Resp: 104158
Ion Ratio Lower Upper
70 100
42 54.8 42.6 64.0
101 10.3 7.8 11.6
130 21.9 16.9 25.3



#20
3+4-Methylphenols
Concen: 4.157 ng
RT: 8.675 min Scan# 950
Delta R.T. -0.012 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion: 107 Resp: 139080
Ion Ratio Lower Upper
107 100
108 90.6 71.5 111.5
77 31.6 11.8 51.8
79 25.6 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: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:136 Resp: 2031908

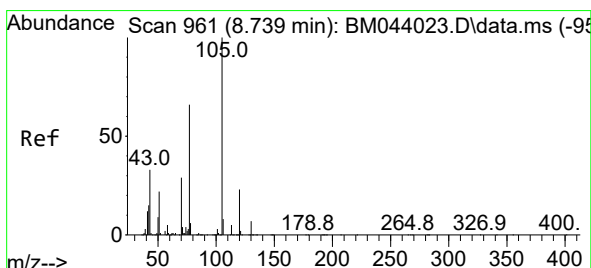
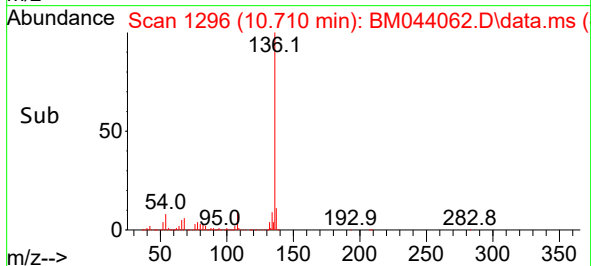
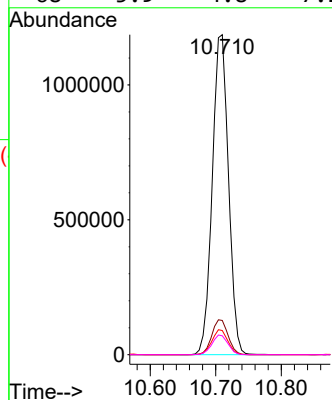
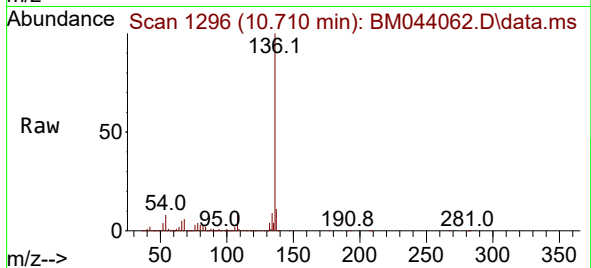
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.5 5.9 8.9

68 5.9 4.8 7.2



#22

Acetophenone

Concen: 4.075 ng

RT: 8.734 min Scan# 960

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Tgt Ion:105 Resp: 210193

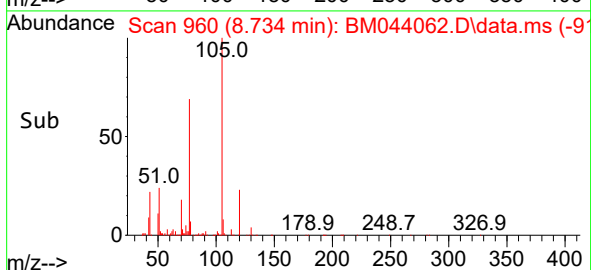
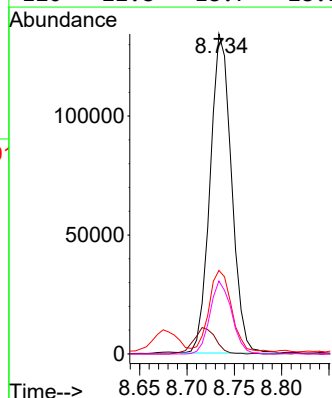
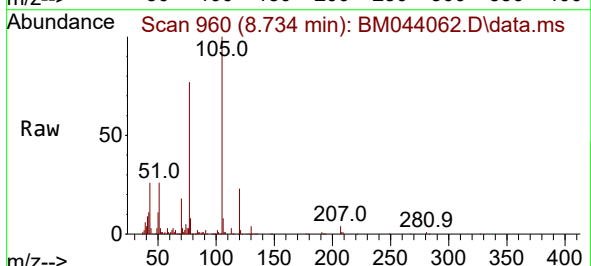
Ion Ratio Lower Upper

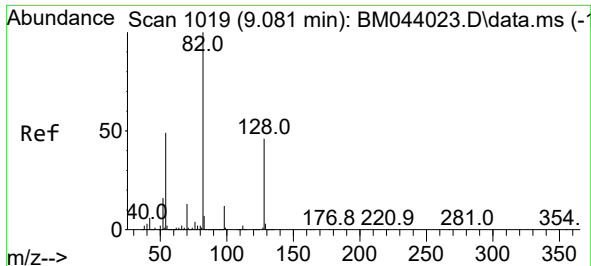
105 100

71 3.1 4.0 6.0#

51 26.1 20.1 30.1

120 22.8 18.7 28.1





#23

Nitrobenzene-d5

Concen: 80.870 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

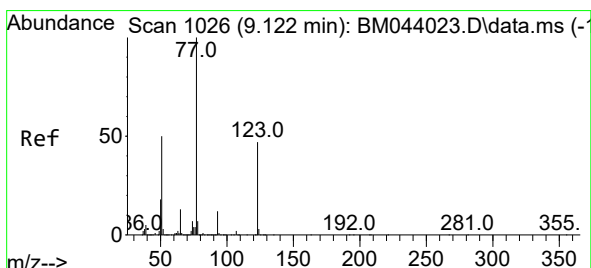
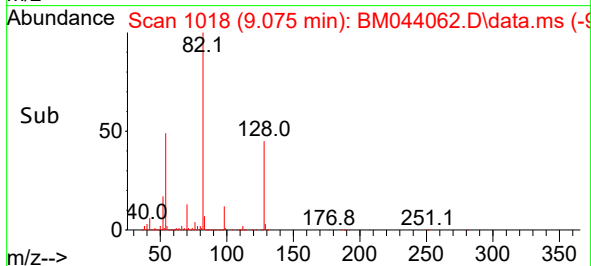
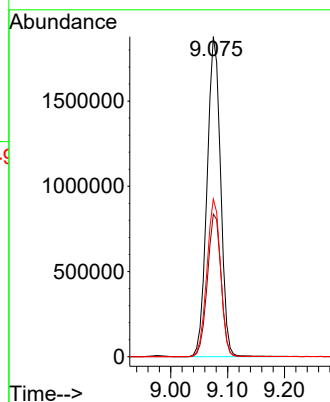
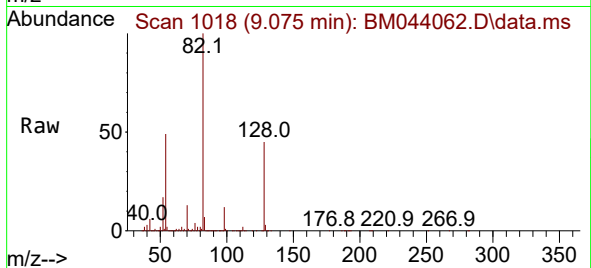
Tgt Ion: 82 Resp: 3096682

Ion Ratio Lower Upper

82 100

128 44.5 37.1 55.7

54 49.2 38.9 58.3



#24

Nitrobenzene

Concen: 3.956 ng

RT: 9.116 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

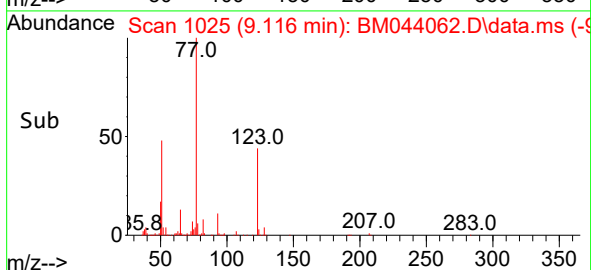
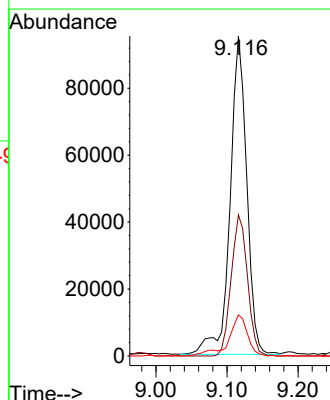
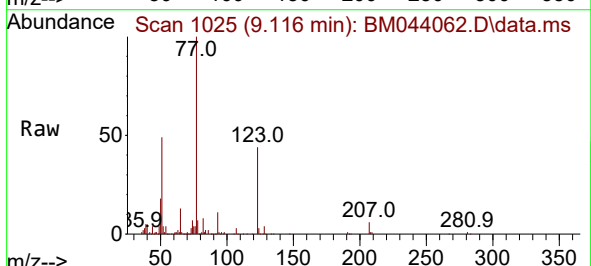
Tgt Ion: 77 Resp: 155133

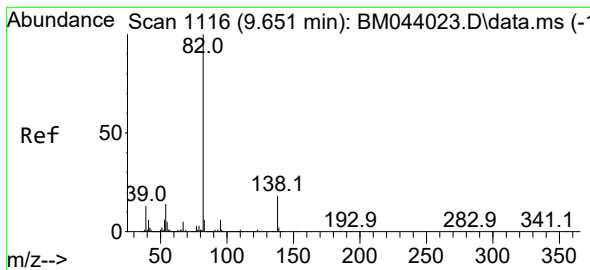
Ion Ratio Lower Upper

77 100

123 44.1 37.8 56.8

65 12.8 10.5 15.7





#25

Isophorone

Concen: 3.704 ng

RT: 9.640 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

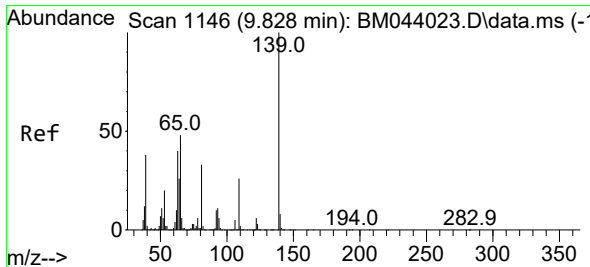
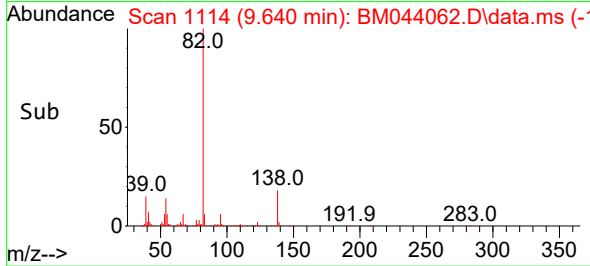
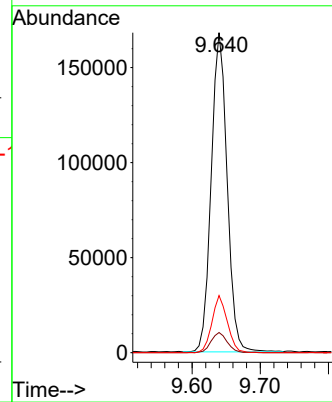
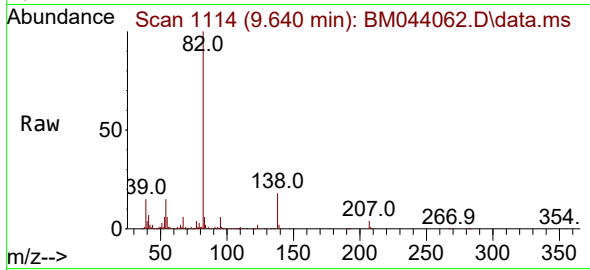
Tgt Ion: 82 Resp: 273104

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 17.9 14.3 21.5



#26

2-Nitrophenol

Concen: 3.033 ng

RT: 9.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

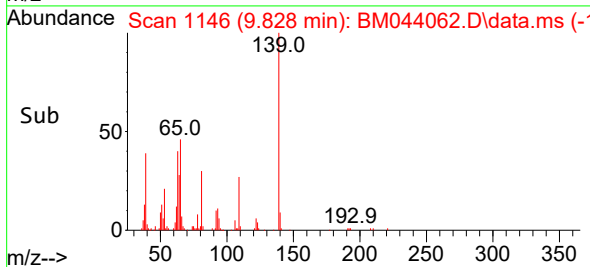
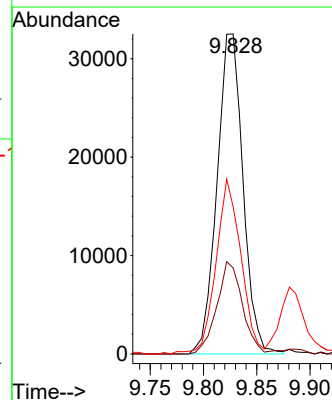
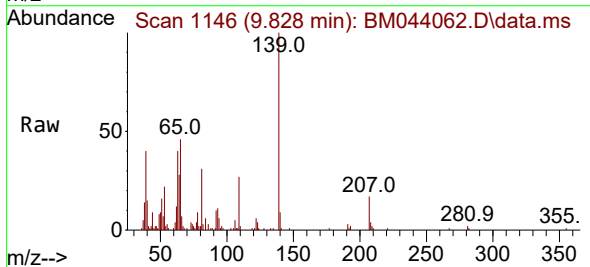
Tgt Ion:139 Resp: 55143

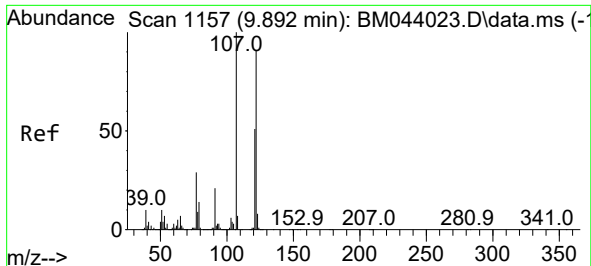
Ion Ratio Lower Upper

139 100

109 26.9 21.2 31.8

65 46.1 38.5 57.7

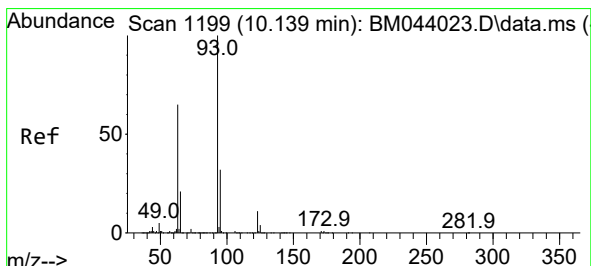
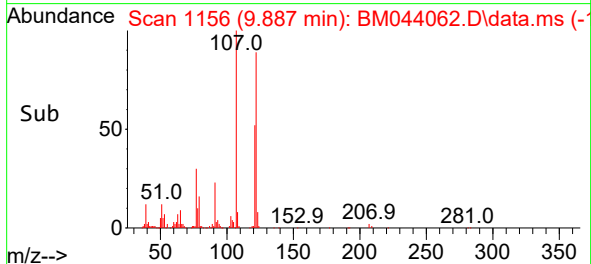
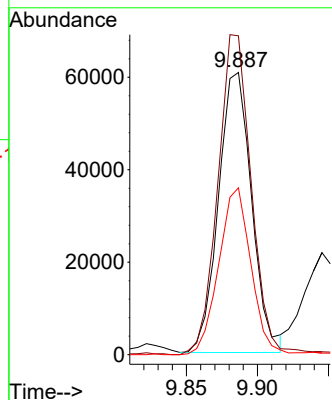
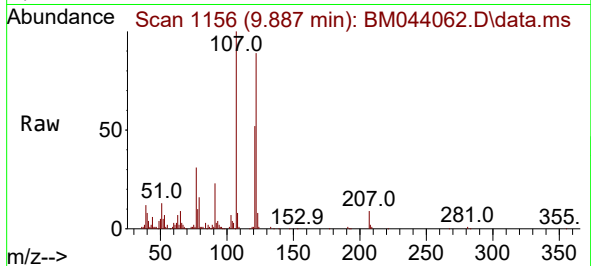




#27
2,4-Dimethylphenol
Concen: 4.245 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

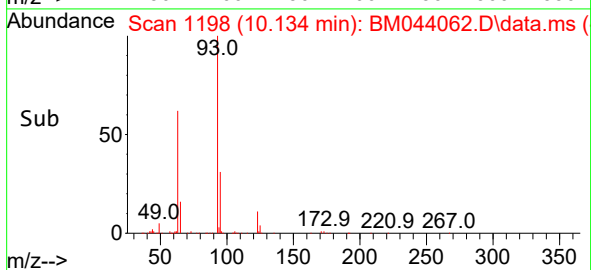
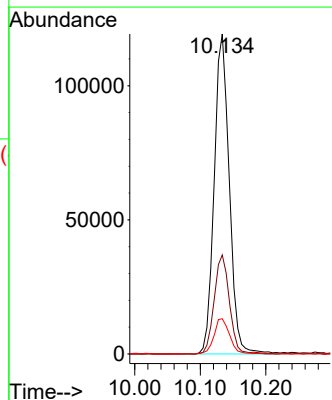
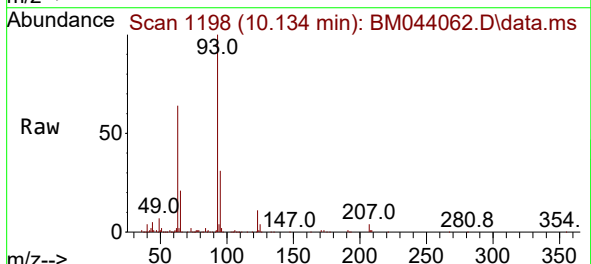
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

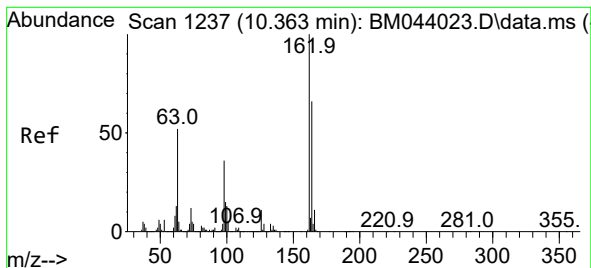
Tgt Ion:122 Resp: 98674
Ion Ratio Lower Upper
122 100
107 112.9 87.8 131.8
121 59.1 44.7 67.1



#28
bis(2-Chloroethoxy)methane
Concen: 3.993 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion: 93 Resp: 190400
Ion Ratio Lower Upper
93 100
95 31.0 26.0 39.0
123 11.0 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.478 ng

RT: 10.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

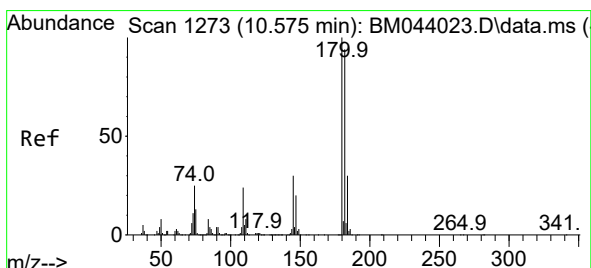
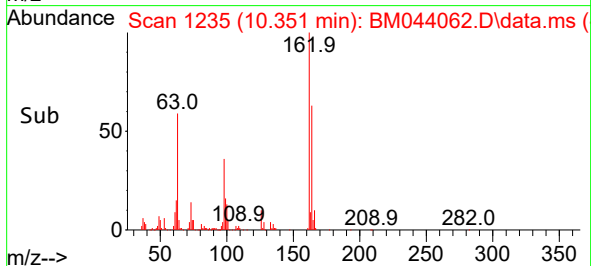
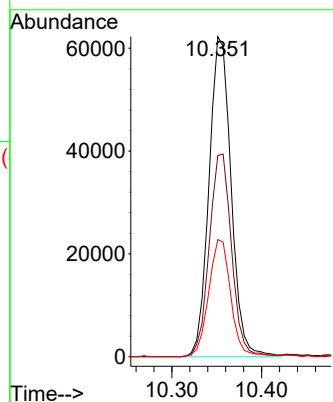
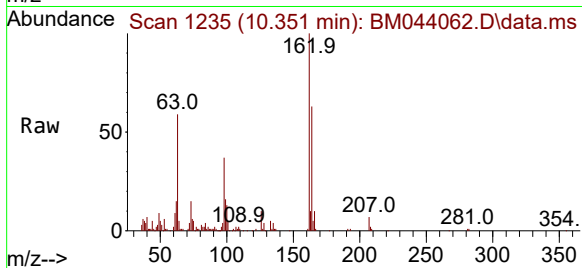
Tgt Ion:162 Resp: 106449

Ion Ratio Lower Upper

162 100

164 62.9 46.1 86.1

98 36.6 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 3.505 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

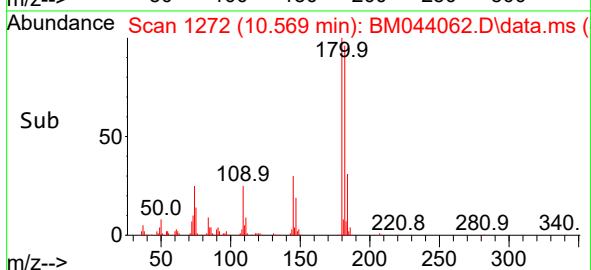
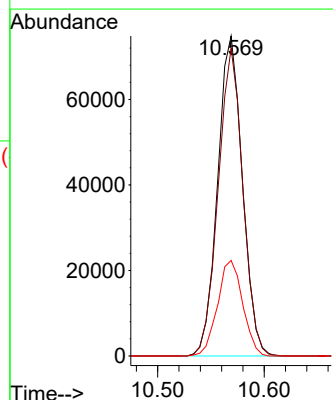
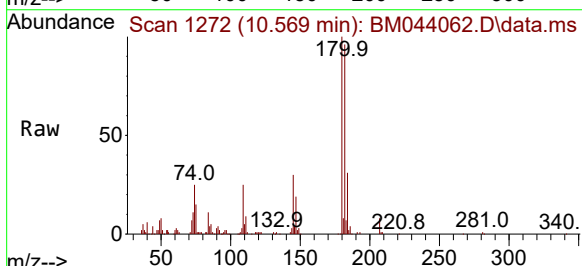
Tgt Ion:180 Resp: 120626

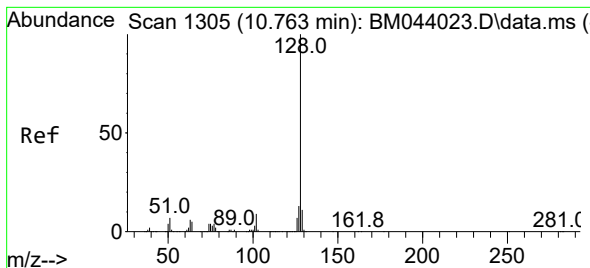
Ion Ratio Lower Upper

180 100

182 96.2 75.2 112.8

145 29.9 24.3 36.5





#31

Naphthalene

Concen: 3.677 ng

RT: 10.757 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

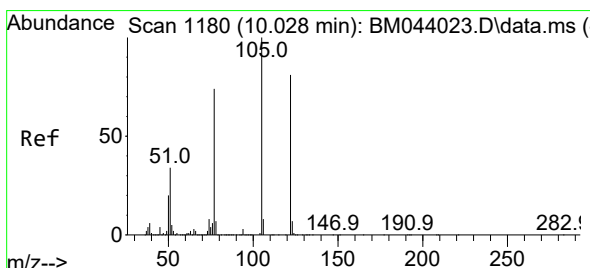
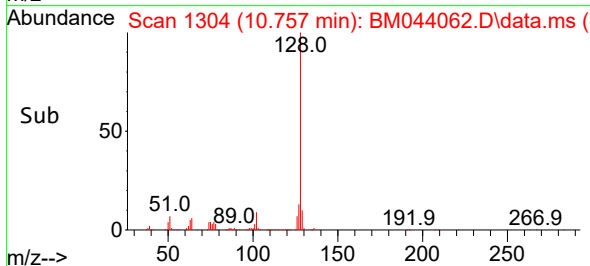
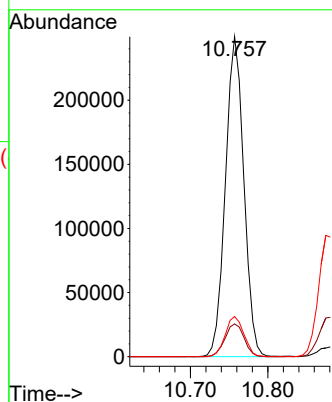
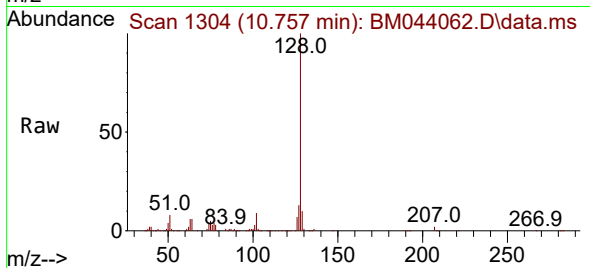
Tgt Ion:128 Resp: 412335

Ion Ratio Lower Upper

128 100

129 10.2 9.0 13.4

127 12.6 10.3 15.5



#32

Benzoic acid

Concen: 1.622 ng

RT: 9.945 min Scan# 1166

Delta R.T. -0.083 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

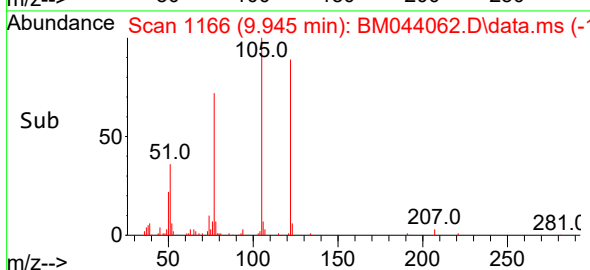
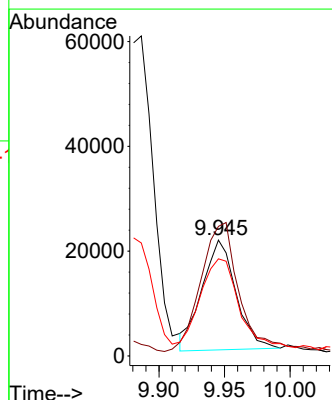
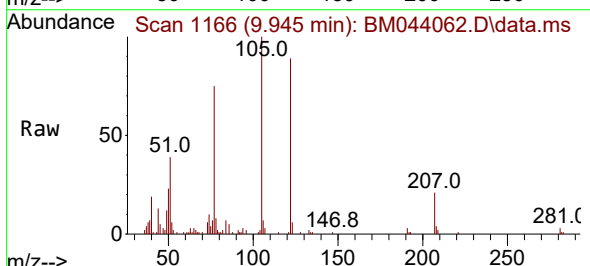
Tgt Ion:122 Resp: 37976

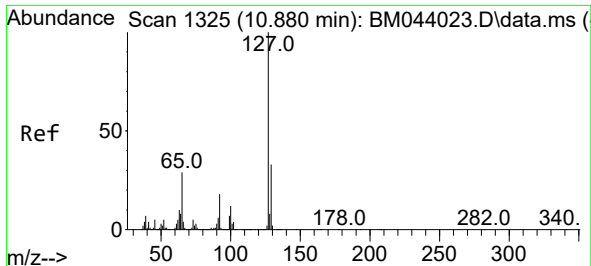
Ion Ratio Lower Upper

122 100

105 112.0 100.1 140.1

77 83.9 69.6 109.6

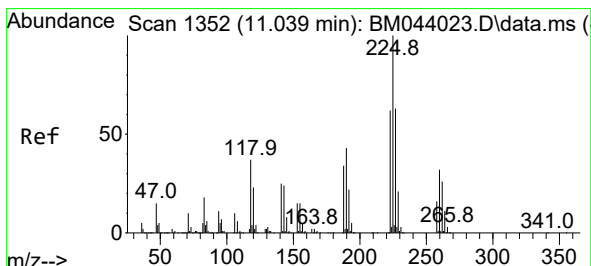
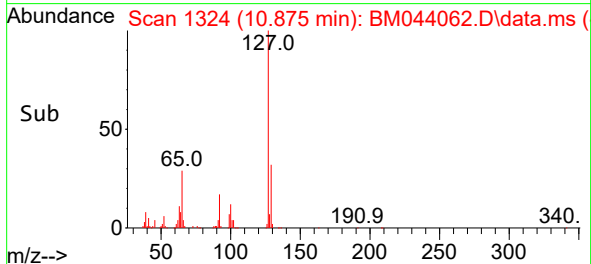
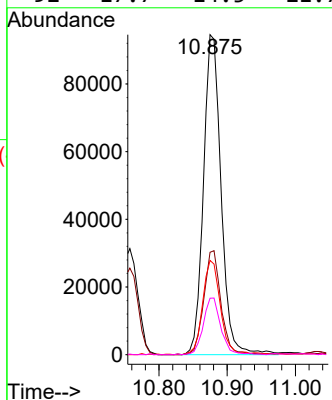
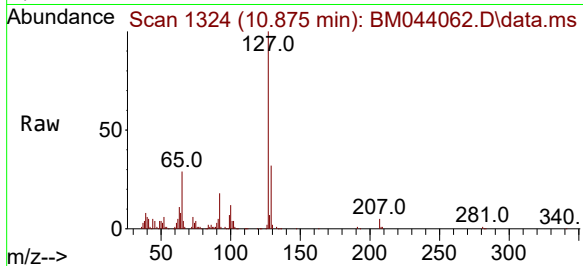




#33
4-Chloroaniline
Concen: 4.016 ng
RT: 10.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

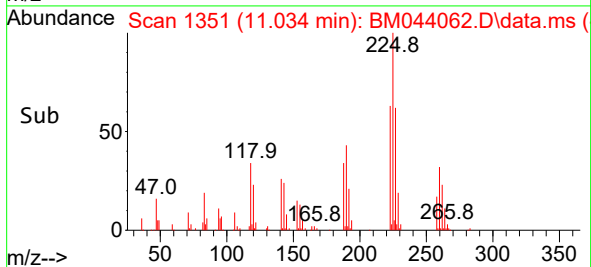
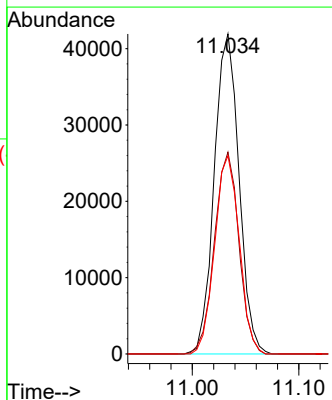
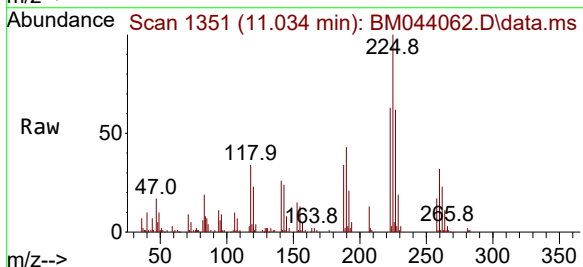
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

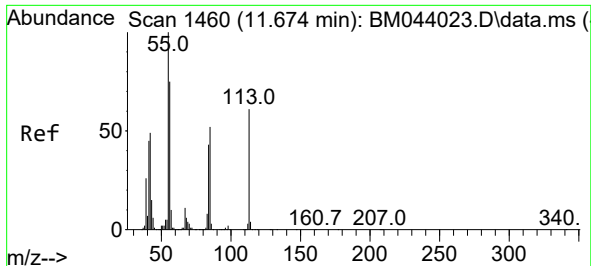
Tgt Ion:	127	Resp:	170532
Ion Ratio	Lower	Upper	
127	100		
129	32.0	26.0	39.0
65	29.5	23.0	34.6
92	17.7	14.5	21.7



#34
Hexachlorobutadiene
Concen: 3.430 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:	225	Resp:	67566
Ion Ratio	Lower	Upper	
225	100		
223	63.0	49.9	74.9
227	64.6	50.6	76.0

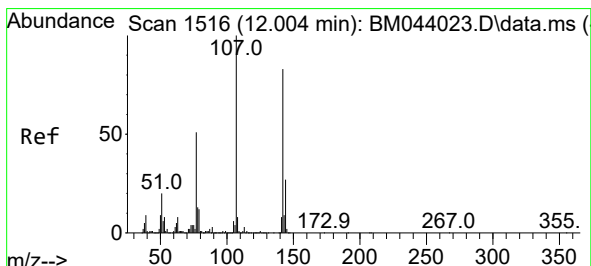
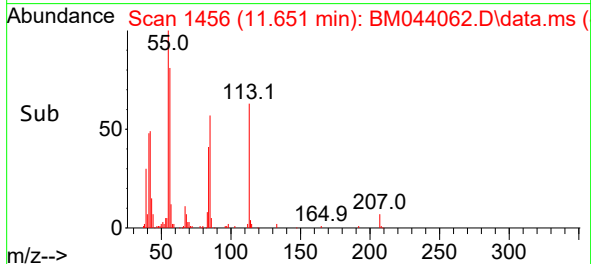
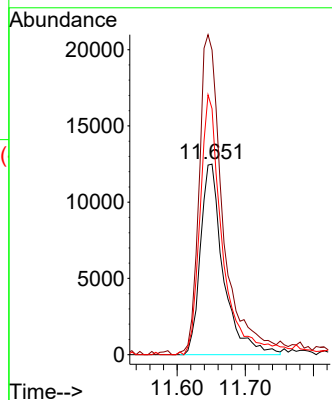
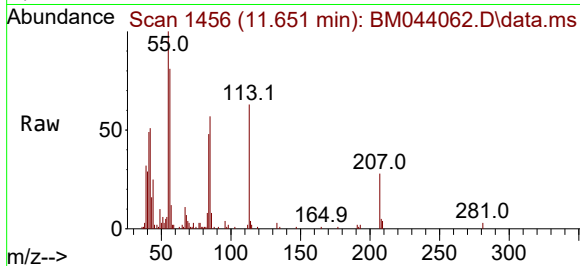




#35
Caprolactam
Concen: 2.971 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

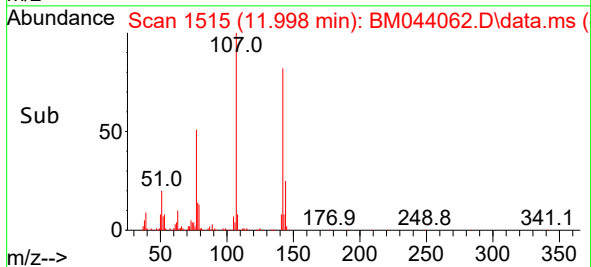
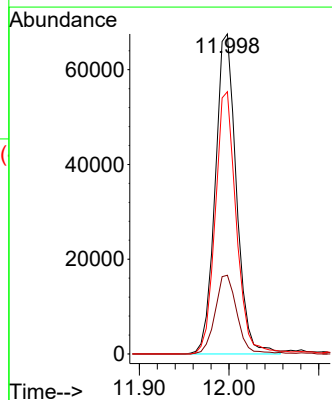
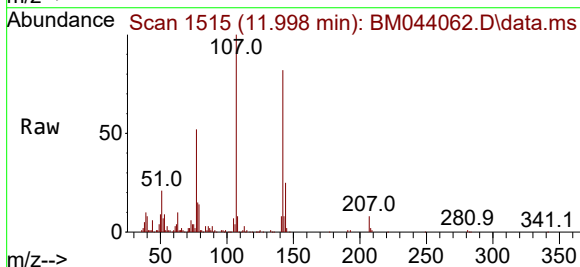
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

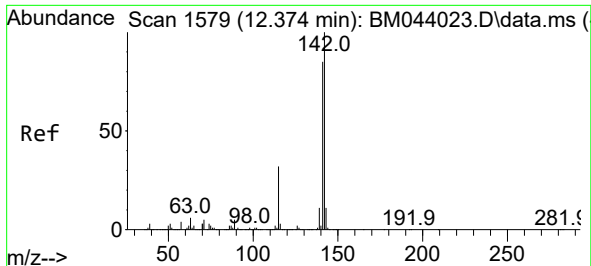
Tgt Ion	Ratio	Lower	Upper
113	100		
55	159.9	145.6	185.6
56	129.1	103.3	143.3



#36
4-Chloro-3-methylphenol
Concen: 3.341 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.6	21.3	31.9
142	82.0	66.2	99.4

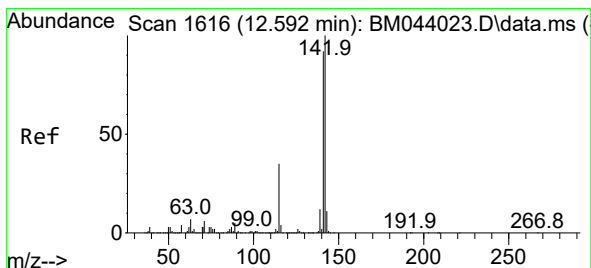
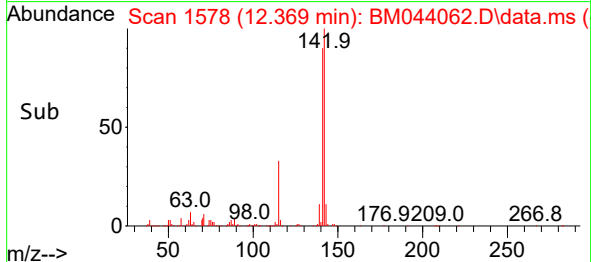
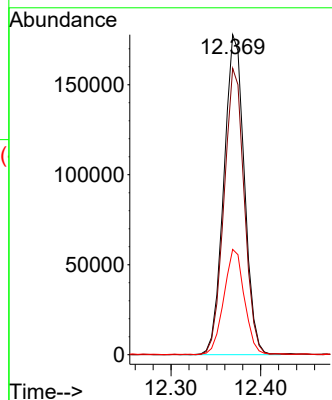
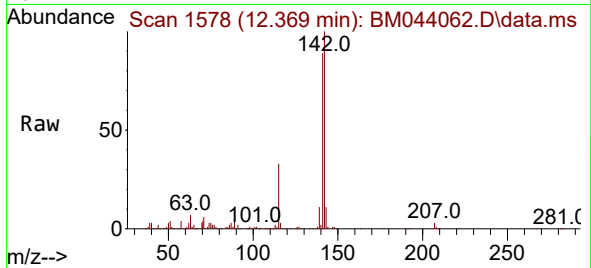




#37
2-Methylnaphthalene
Concen: 3.784 ng
RT: 12.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

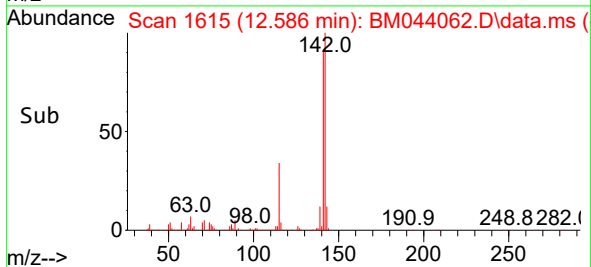
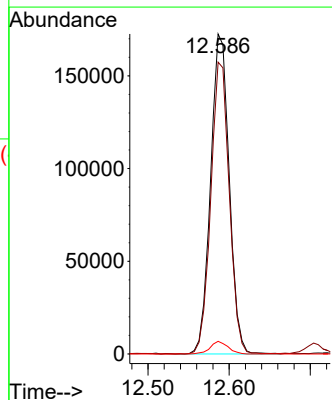
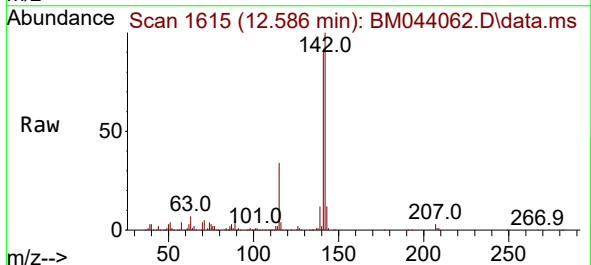
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

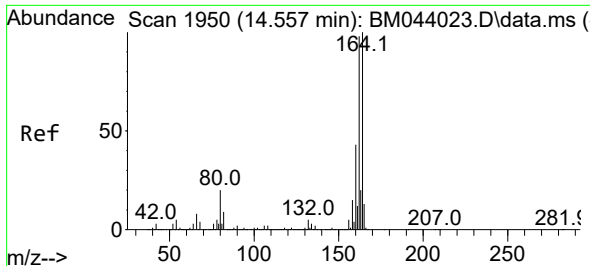
Tgt Ion:142 Resp: 282642
Ion Ratio Lower Upper
142 100
141 89.5 68.3 102.5
115 32.9 25.7 38.5



#38
1-Methylnaphthalene
Concen: 3.744 ng
RT: 12.586 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:142 Resp: 274819
Ion Ratio Lower Upper
142 100
141 91.2 73.4 110.0
116 4.0 3.0 4.4

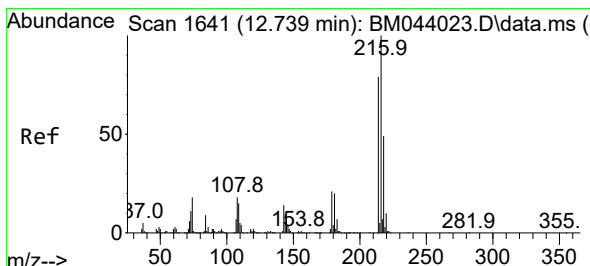
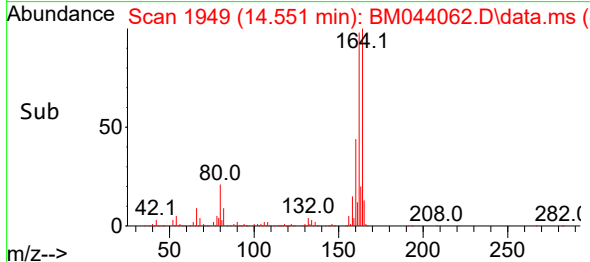
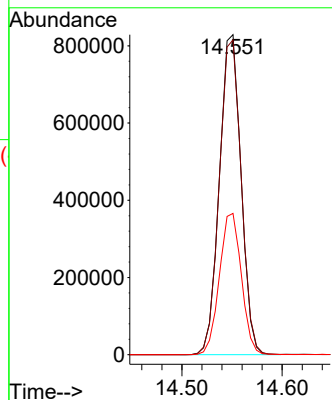
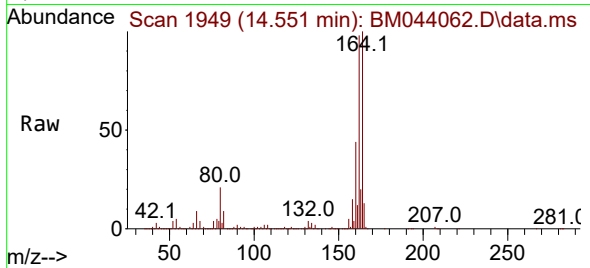




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

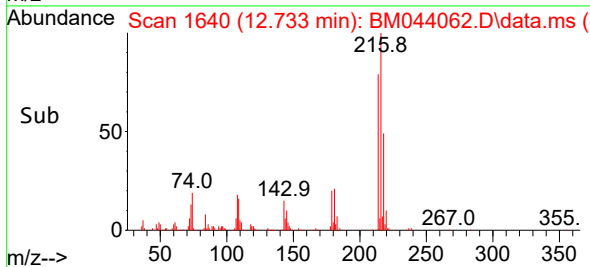
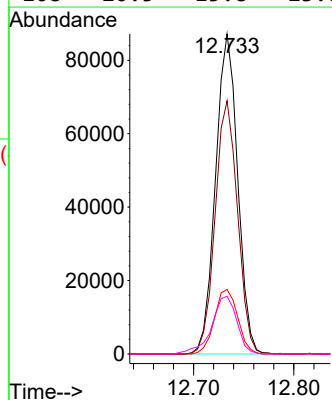
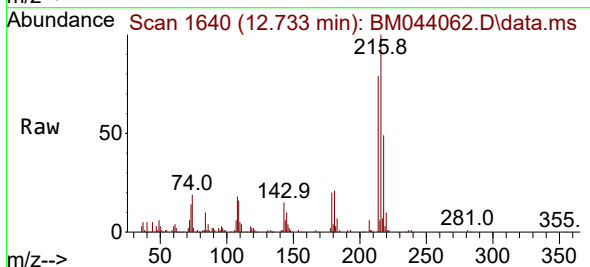
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

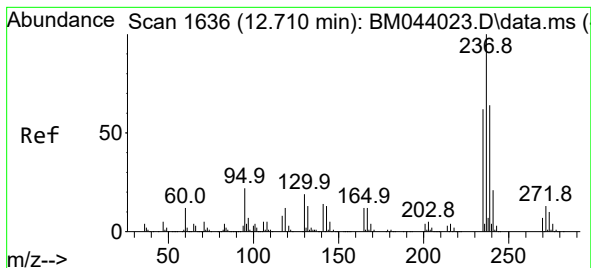
Tgt Ion:164 Resp: 1242301
Ion Ratio Lower Upper
164 100
162 98.4 78.4 117.6
160 44.1 34.6 51.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.697 ng
RT: 12.733 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:216 Resp: 133495
Ion Ratio Lower Upper
216 100
214 80.1 63.1 94.7
179 21.2 17.0 25.6
108 20.5 15.8 23.8





#41

Hexachlorocyclopentadiene

Concen: 3.780 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

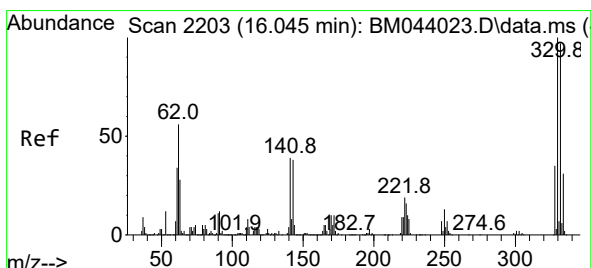
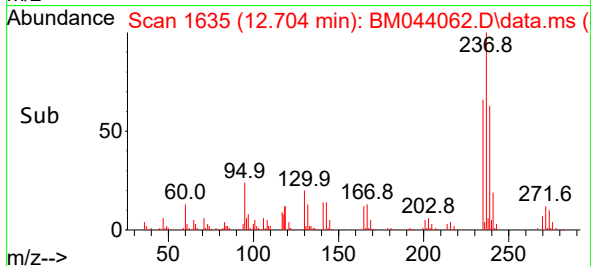
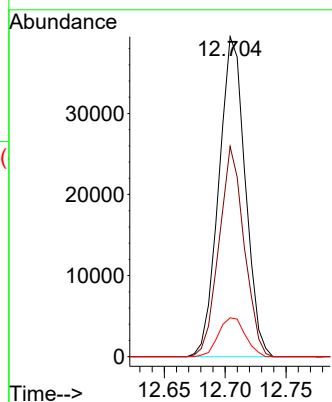
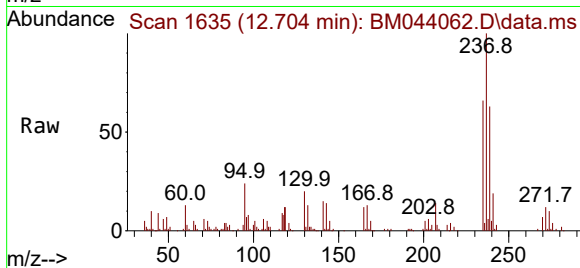
Tgt Ion:237 Resp: 59571

Ion Ratio Lower Upper

237 100

235 65.7 42.4 82.4

272 12.2 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 131.615 ng

RT: 16.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

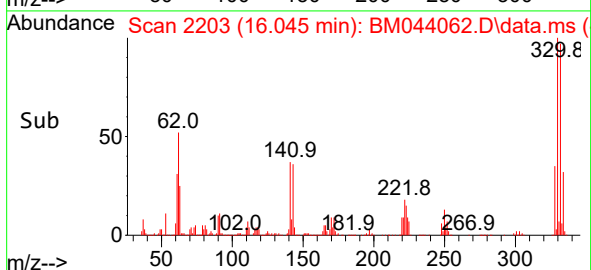
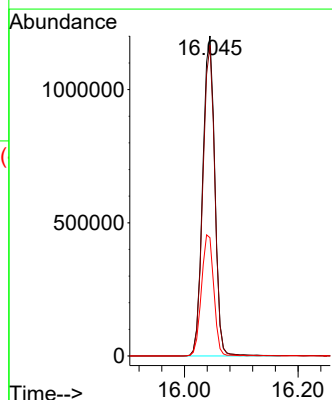
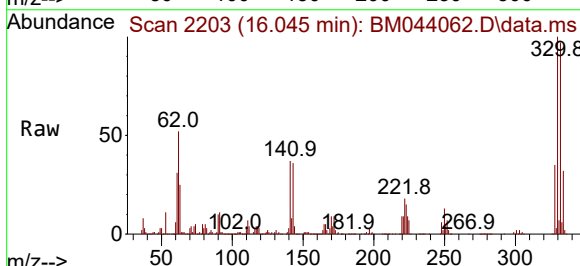
Tgt Ion:330 Resp: 1770321

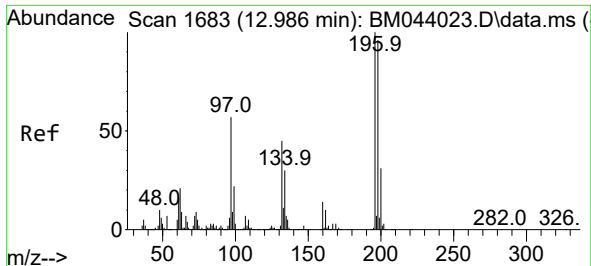
Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

141 39.0 31.0 46.4

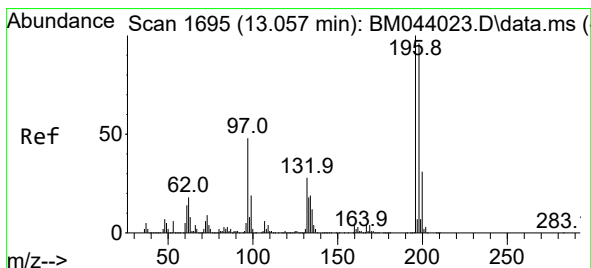
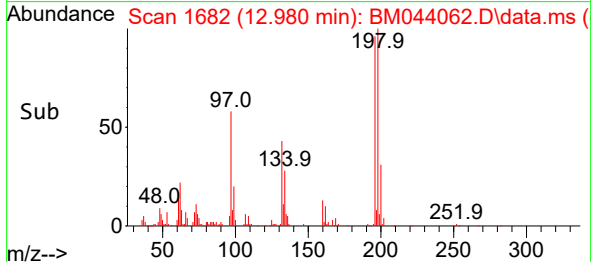
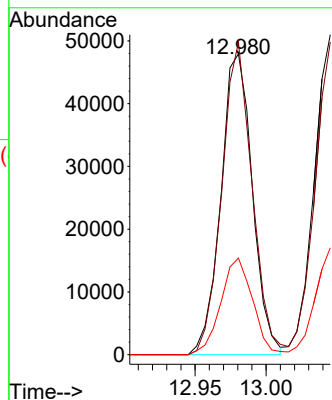
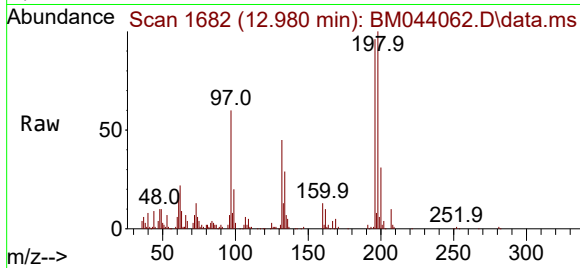




#43
2,4,6-Trichlorophenol
Concen: 3.018 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

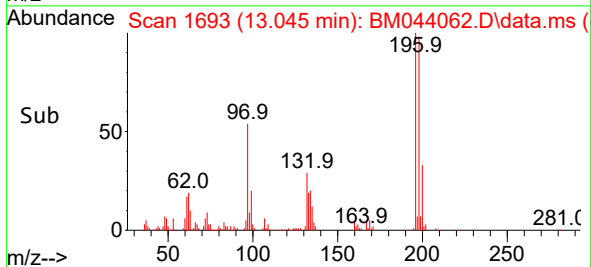
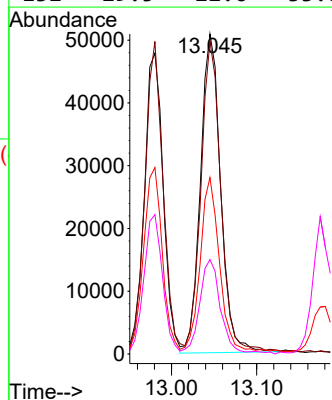
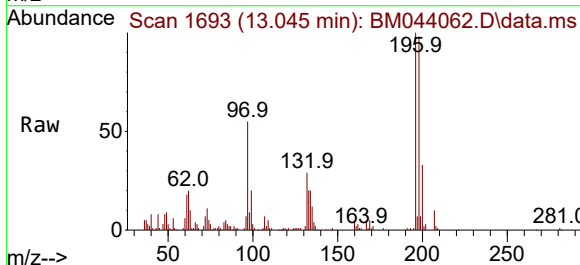
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

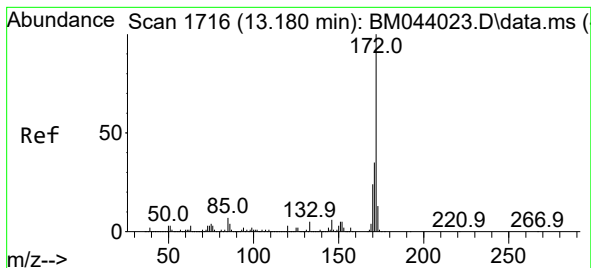
Tgt Ion:196 Resp: 74158
Ion Ratio Lower Upper
196 100
198 103.9 76.8 115.2
200 32.1 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 3.107 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:196 Resp: 83793
Ion Ratio Lower Upper
196 100
198 97.7 76.9 115.3
97 55.1 39.0 58.4
132 29.5 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 77.777 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

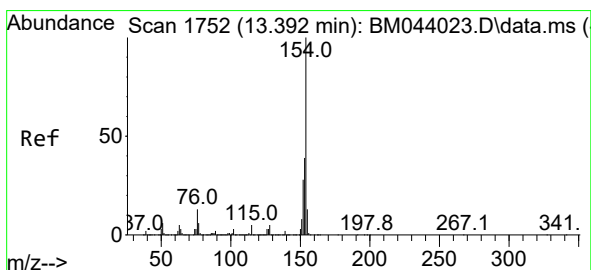
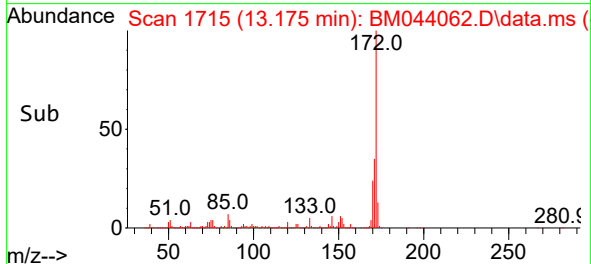
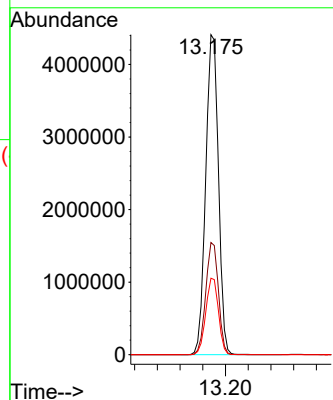
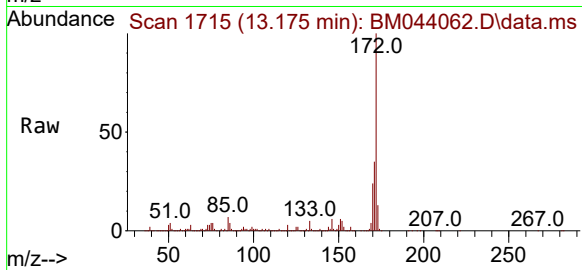
Tgt Ion:172 Resp: 6846235

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.9 19.0 28.4



#46

1,1'-Biphenyl

Concen: 3.831 ng

RT: 13.386 min Scan# 1751

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

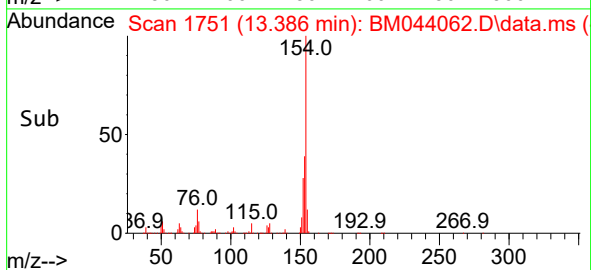
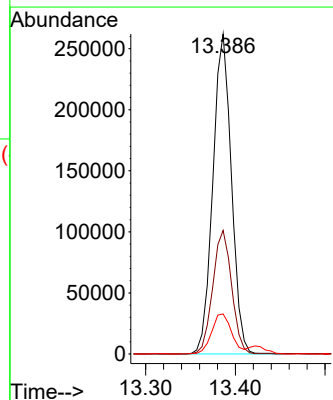
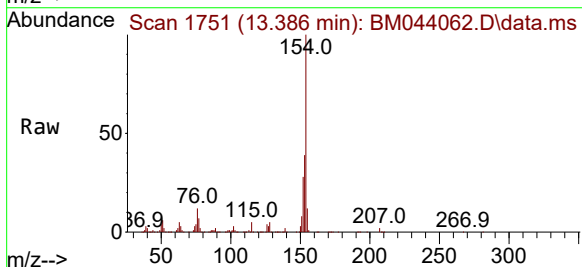
Tgt Ion:154 Resp: 375504

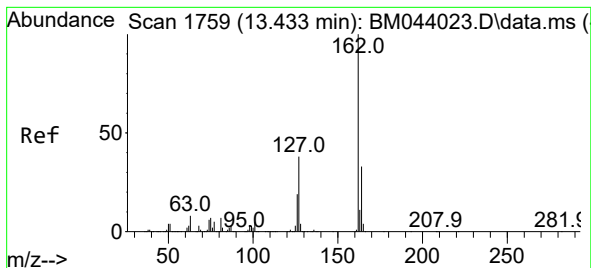
Ion Ratio Lower Upper

154 100

153 38.6 19.4 59.4

76 12.5 0.0 32.9





#47

2-Chloronaphthalene

Concen: 3.665 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

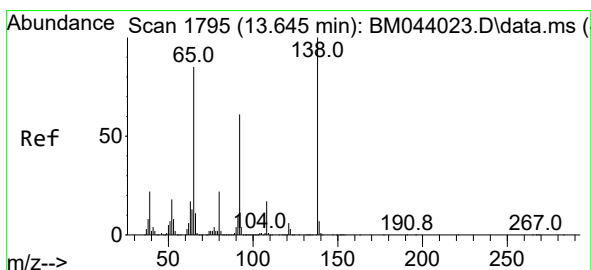
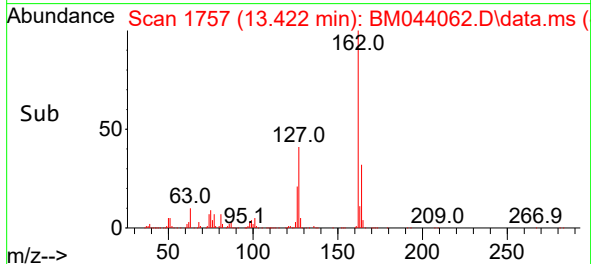
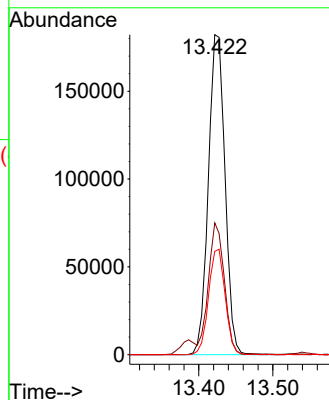
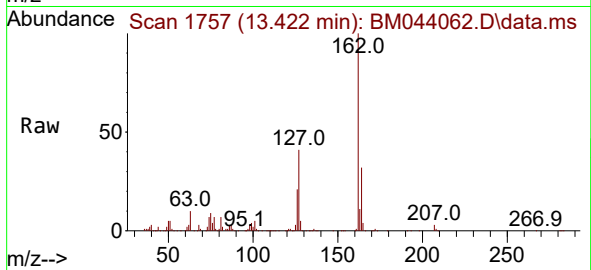
Tgt Ion:162 Resp: 284568

Ion Ratio Lower Upper

162 100

127 41.2 30.9 46.3

164 32.3 26.4 39.6



#48

2-Nitroaniline

Concen: 3.116 ng

RT: 13.639 min Scan# 1794

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

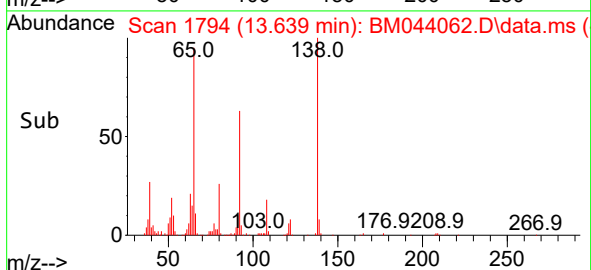
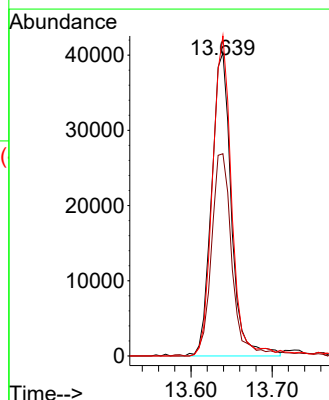
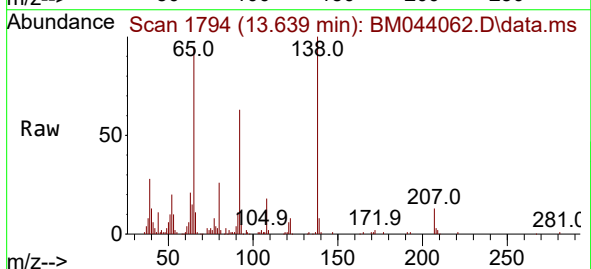
Tgt Ion: 65 Resp: 68071

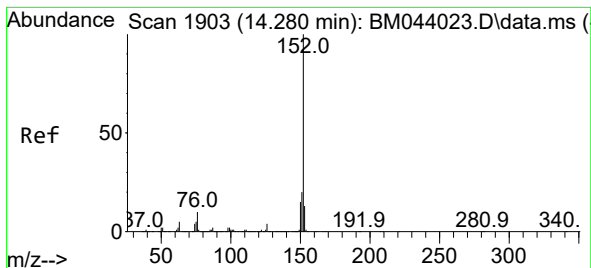
Ion Ratio Lower Upper

65 100

92 66.7 58.1 87.1

138 105.5 94.6 142.0





#49

Acenaphthylene

Concen: 3.901 ng

RT: 14.269 min Scan# 1901

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

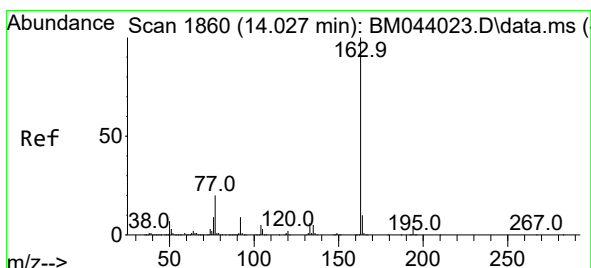
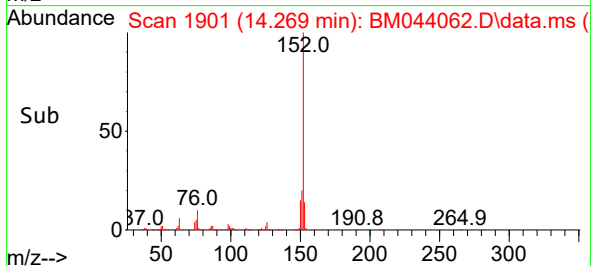
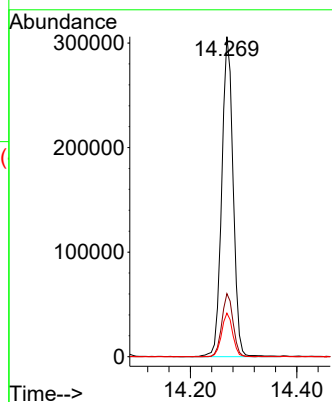
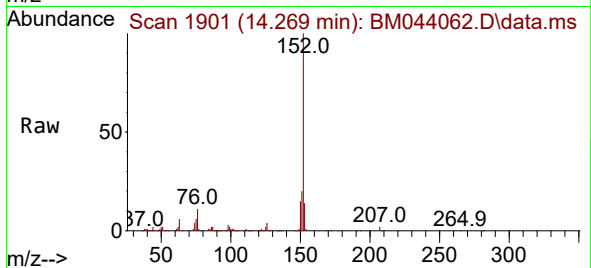
Tgt Ion:152 Resp: 451927

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 13.6 10.5 15.7



#50

Dimethylphthalate

Concen: 3.665 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

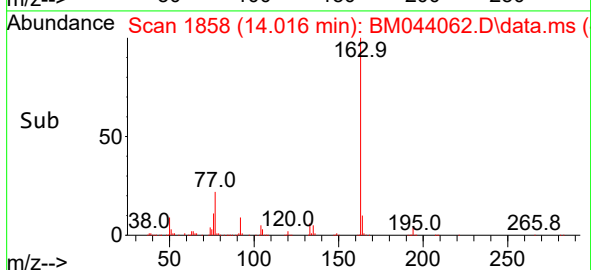
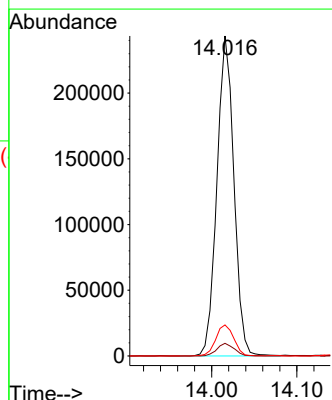
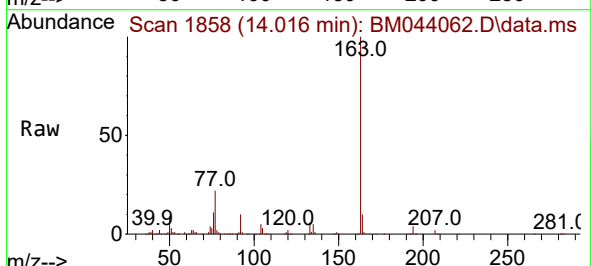
Tgt Ion:163 Resp: 337565

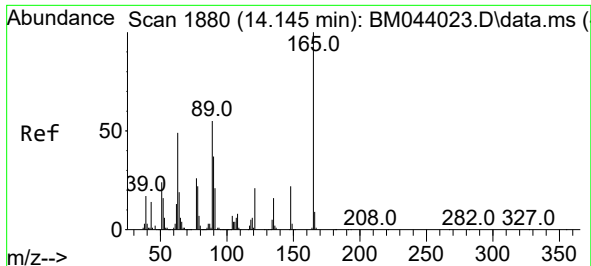
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.7 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 3.056 ng

RT: 14.139 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

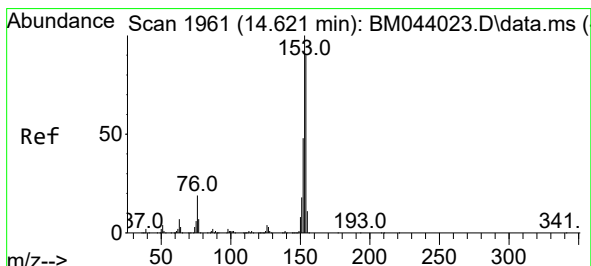
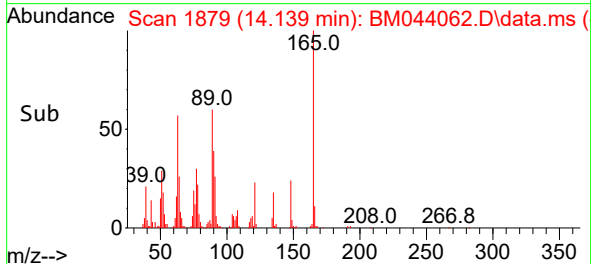
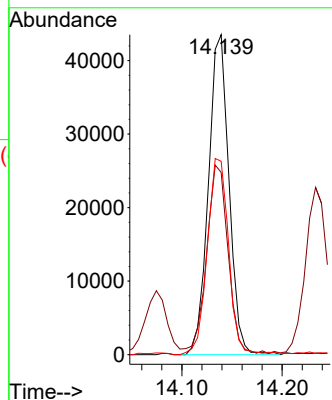
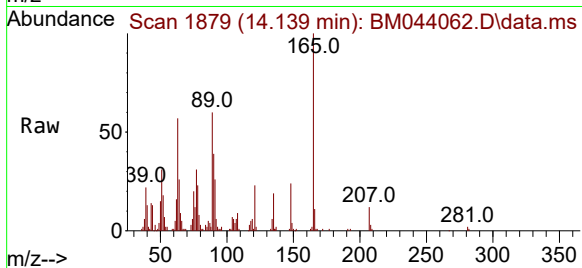
Tgt Ion:165 Resp: 62102

Ion Ratio Lower Upper

165 100

63 56.9 43.5 65.3

89 60.4 44.4 66.6



#52

Acenaphthene

Concen: 3.664 ng

RT: 14.610 min Scan# 1959

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

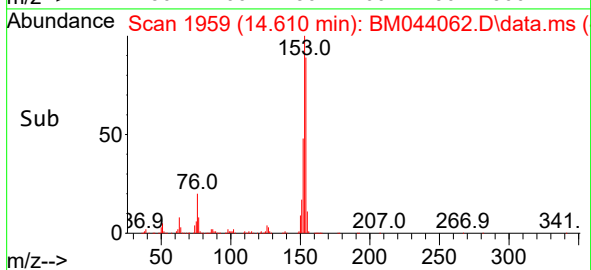
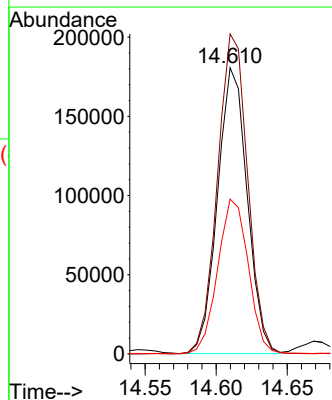
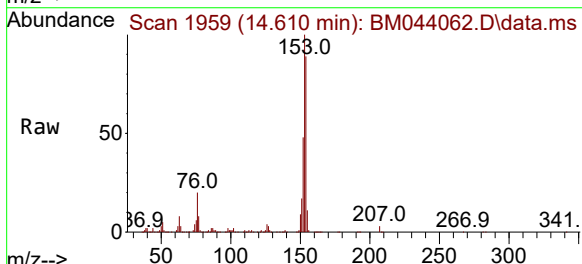
Tgt Ion:154 Resp: 262703

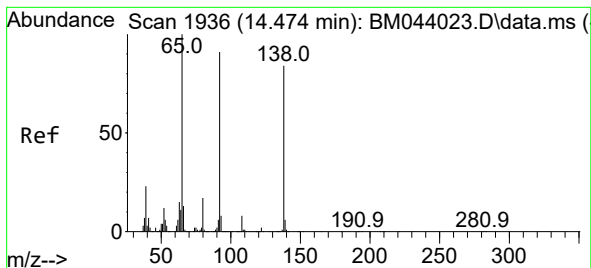
Ion Ratio Lower Upper

154 100

153 111.8 89.3 133.9

152 54.1 43.0 64.6





#53

3-Nitroaniline

Concen: 2.893 ng

RT: 14.469 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

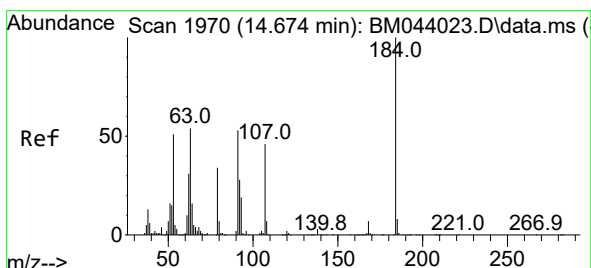
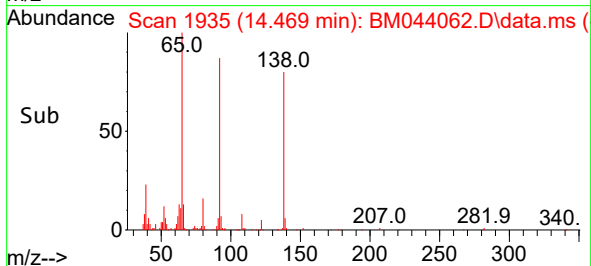
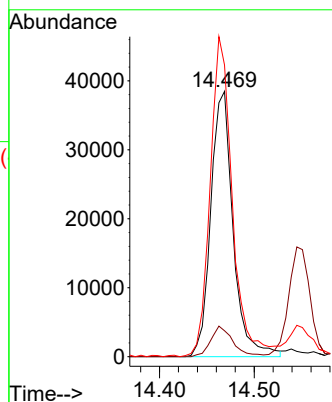
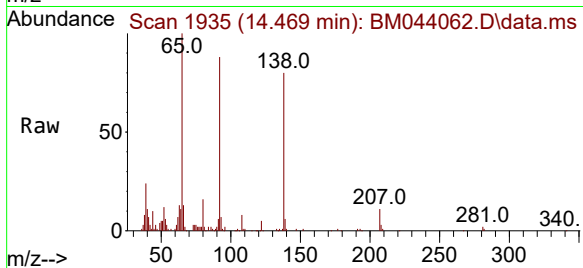
Tgt Ion:138 Resp: 63181

Ion Ratio Lower Upper

138 100

108 9.8 7.6 11.4

92 109.9 86.5 129.7



#54

2,4-Dinitrophenol

Concen: 7.068 ng

RT: 14.669 min Scan# 1969

Delta R.T. -0.005 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

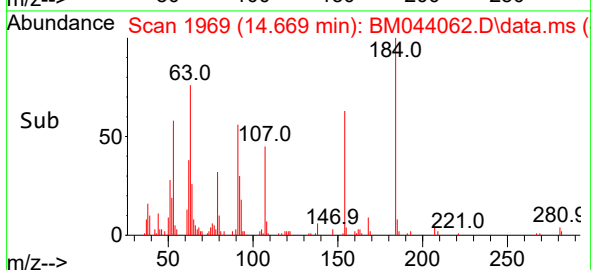
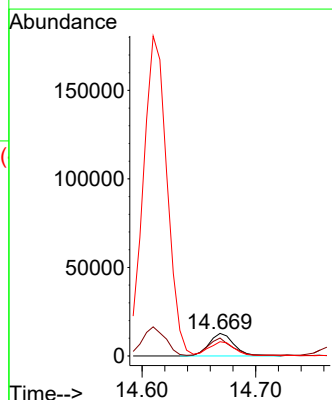
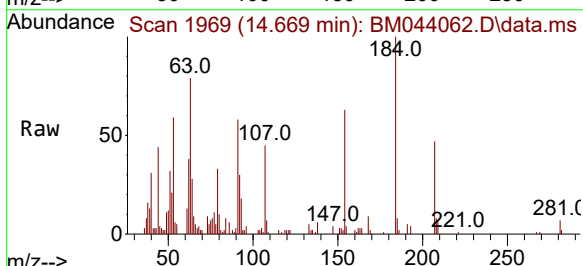
Tgt Ion:184 Resp: 19416

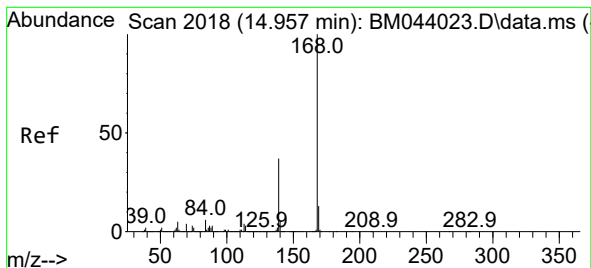
Ion Ratio Lower Upper

184 100

63 79.5 55.4 83.2

154 63.2 49.2 73.8





#55

Dibenzofuran

Concen: 3.902 ng

RT: 14.951 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

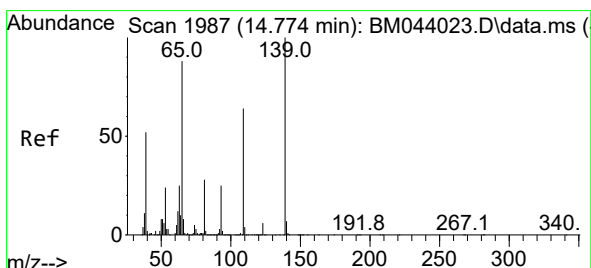
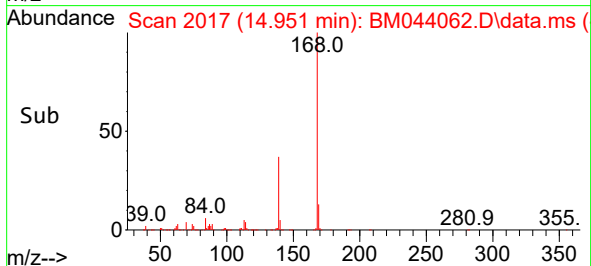
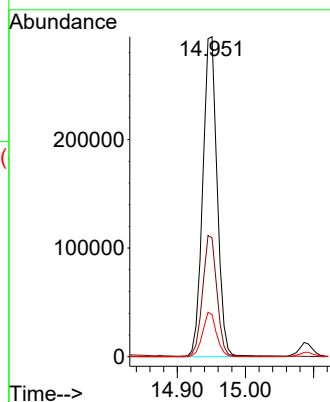
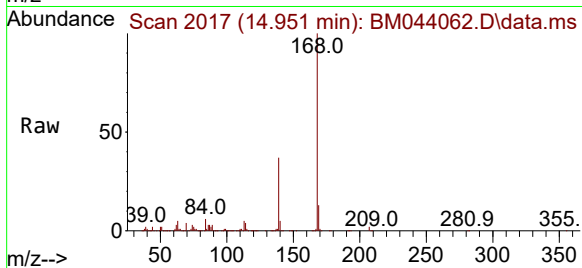
Tgt Ion:168 Resp: 432989

Ion Ratio Lower Upper

168 100

139 37.2 29.6 44.4

169 13.2 10.5 15.7



#56

4-Nitrophenol

Concen: 2.281 ng

RT: 14.769 min Scan# 1986

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

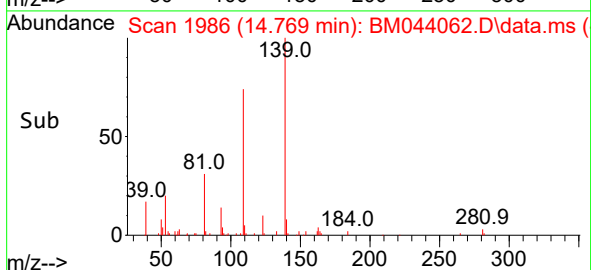
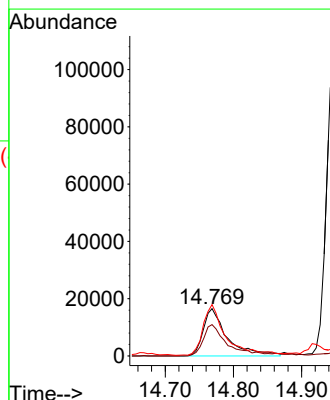
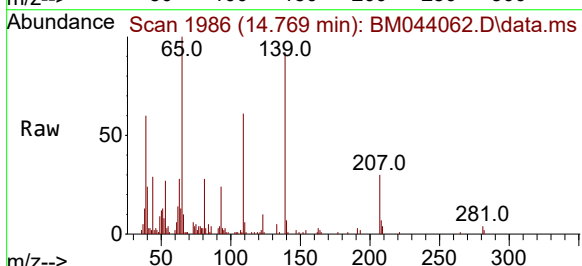
Tgt Ion:139 Resp: 40503

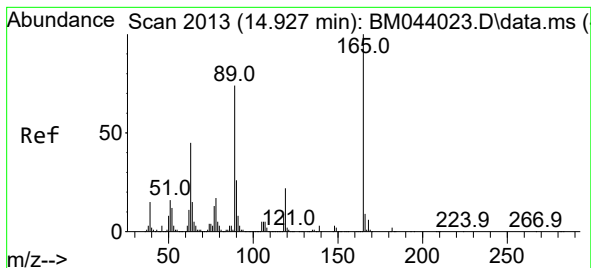
Ion Ratio Lower Upper

139 100

109 66.5 43.8 83.8

65 108.5 67.7 107.7#





#57

2,4-Dinitrotoluene

Concen: 2.768 ng

RT: 14.922 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BM044062.D

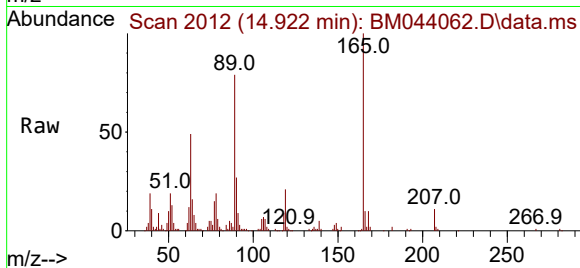
Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:165 Resp: 73512

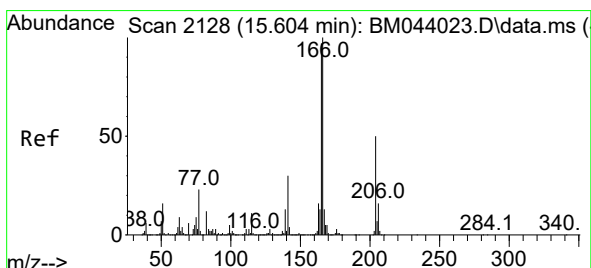
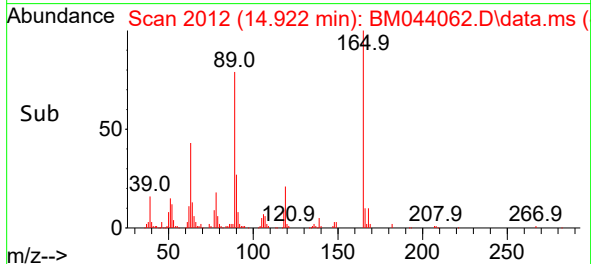
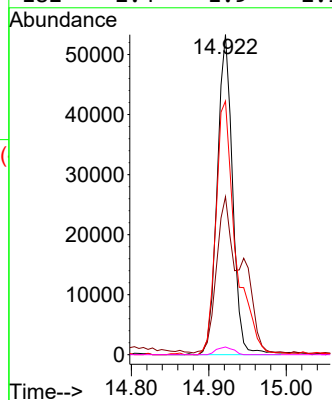
Ion Ratio Lower Upper

165 100

63 49.4 35.9 53.9

89 79.3 58.9 88.3

182 2.4 1.9 2.9



#58

Fluorene

Concen: 3.854 ng

RT: 15.598 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

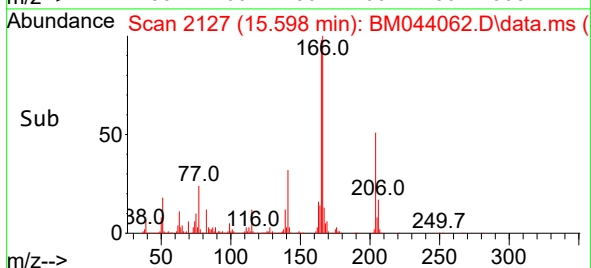
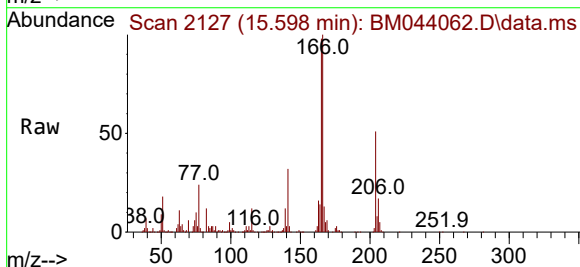
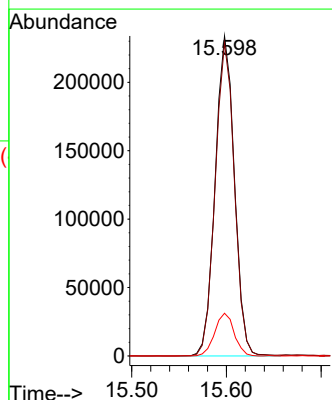
Tgt Ion:166 Resp: 330491

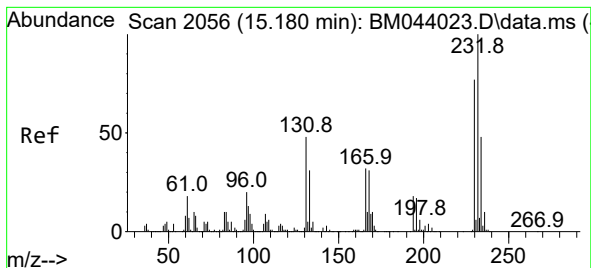
Ion Ratio Lower Upper

166 100

165 97.8 77.7 116.5

167 13.4 10.7 16.1

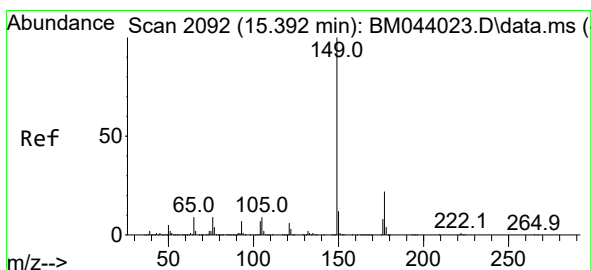
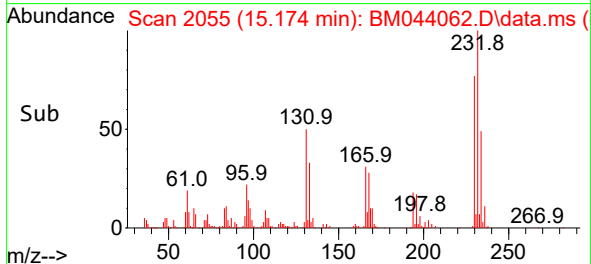
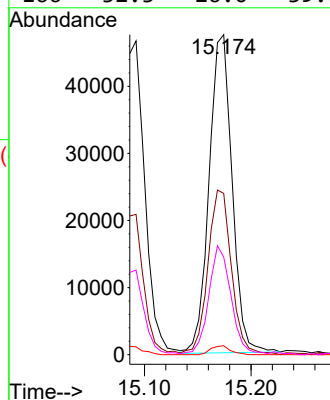
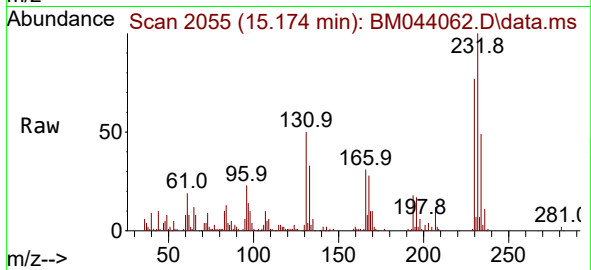




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.359 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

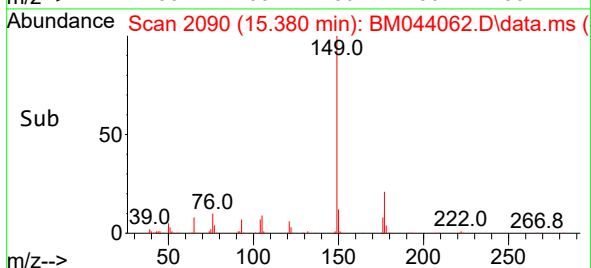
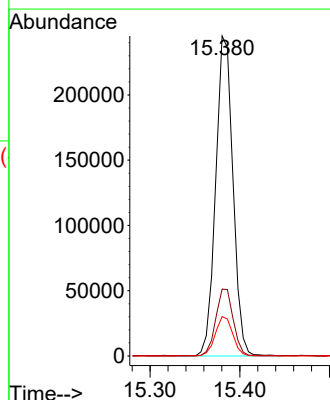
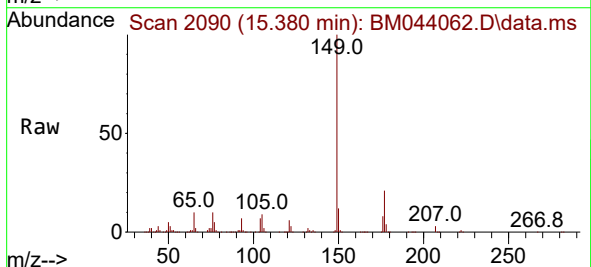
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

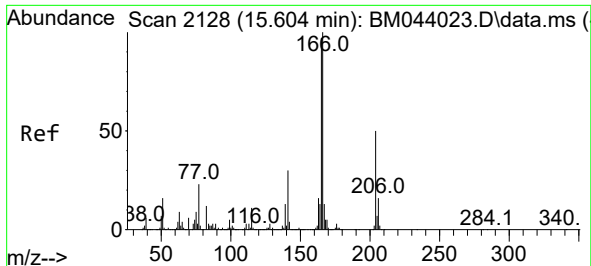
Tgt Ion:232 Resp: 71071
Ion Ratio Lower Upper
232 100
131 53.2 39.5 59.3
130 2.4 2.0 3.0
166 32.3 26.0 39.0



#60
Diethylphthalate
Concen: 3.441 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:149 Resp: 327581
Ion Ratio Lower Upper
149 100
177 20.9 17.5 26.3
150 12.3 9.8 14.6

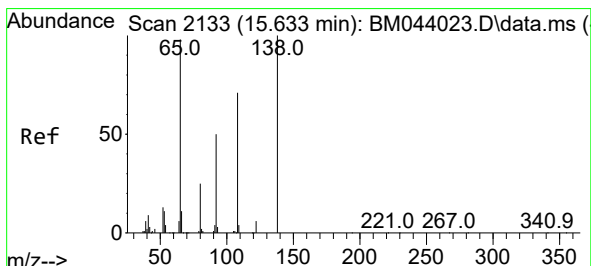
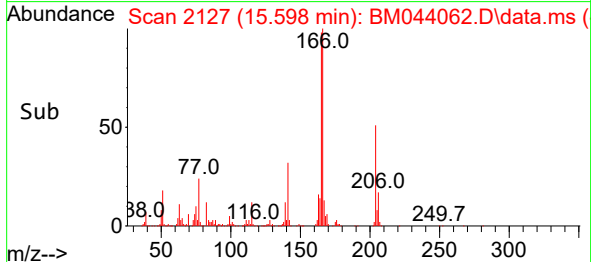
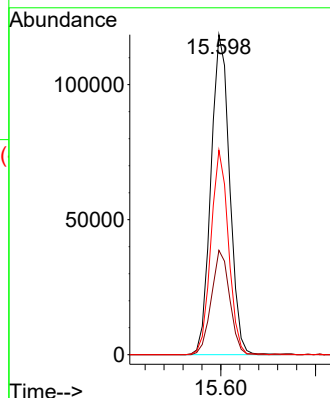
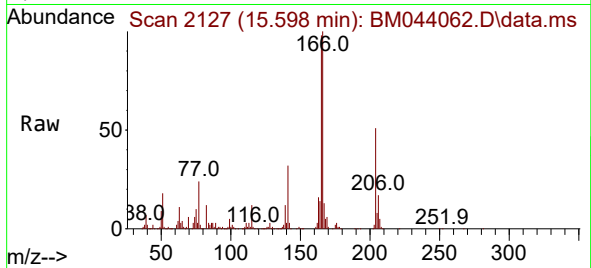




#61
4-Chlorophenyl-phenylether
Concen: 3.897 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

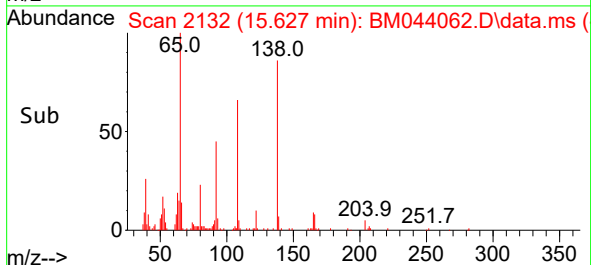
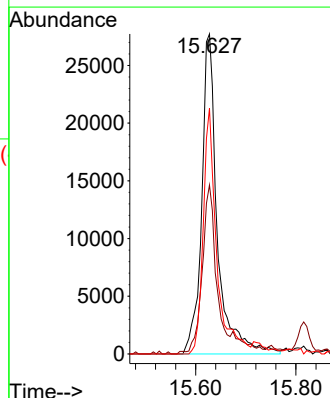
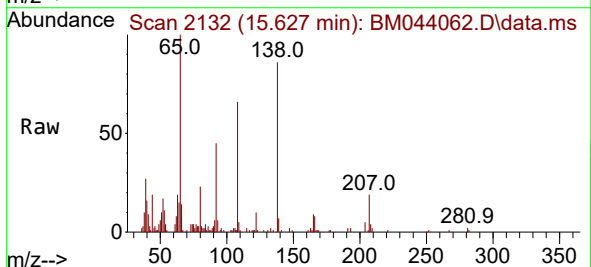
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

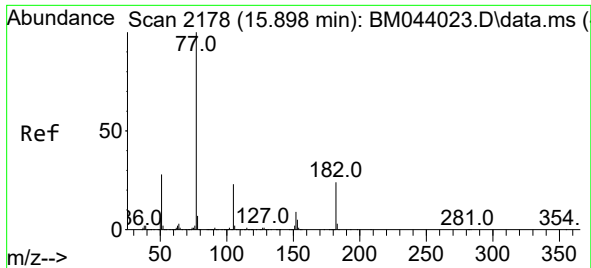
Tgt Ion:204 Resp: 161917
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 63.9 47.7 71.5



#62
4-Nitroaniline
Concen: 2.755 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:138 Resp: 60560
Ion Ratio Lower Upper
138 100
92 52.8 29.6 69.6
108 76.8 47.8 87.8

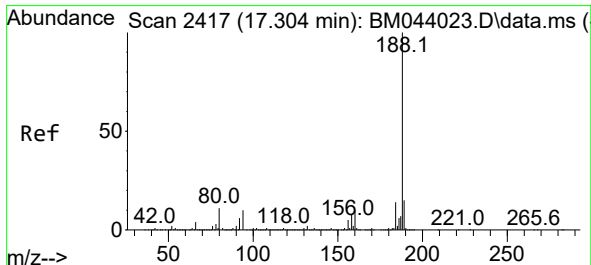
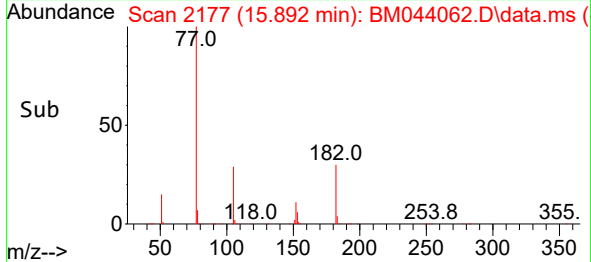
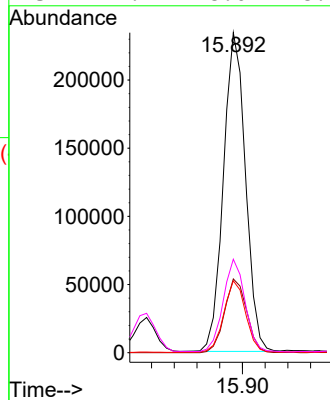
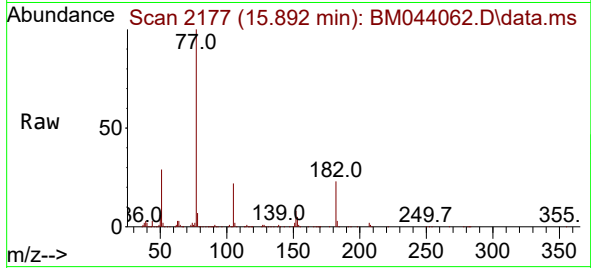




#63
Azobenzene
Concen: 3.536 ng
RT: 15.892 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

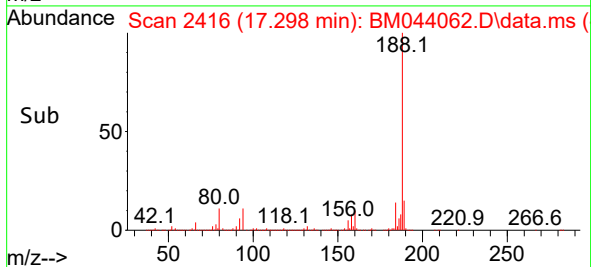
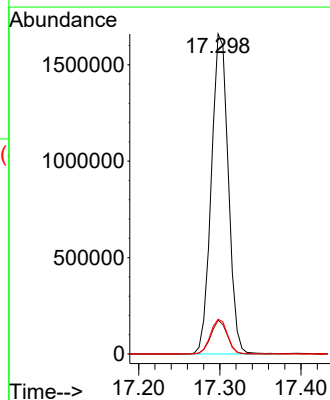
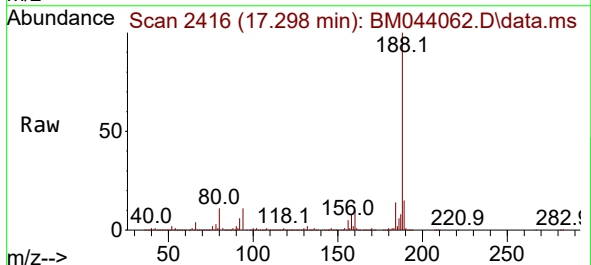
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

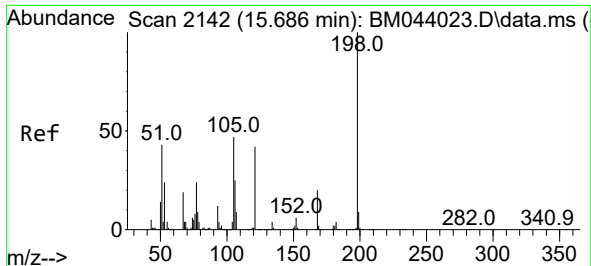
Tgt Ion: 77 Resp: 315833
Ion Ratio Lower Upper
77 100
182 23.1 4.0 44.0
105 22.4 3.3 43.3
51 29.2 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:188 Resp: 2405845
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.2
80 10.8 8.8 13.2

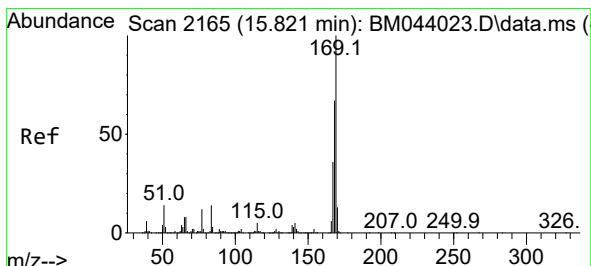
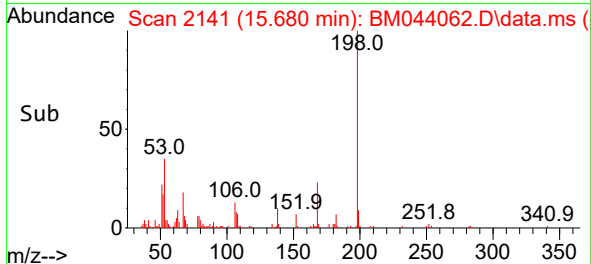
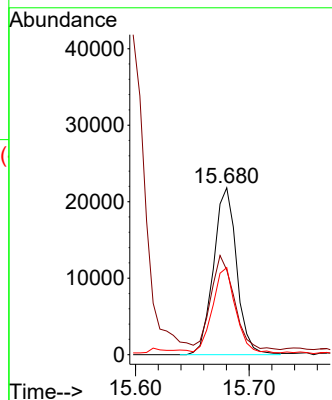
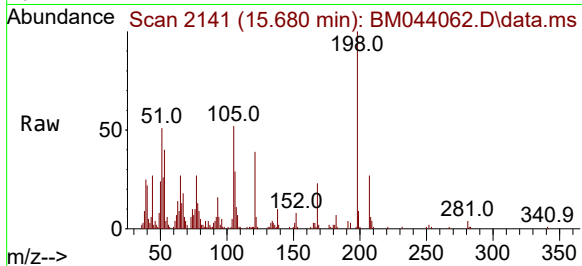




#65
4,6-Dinitro-2-methylphenol
Concen: 2.158 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

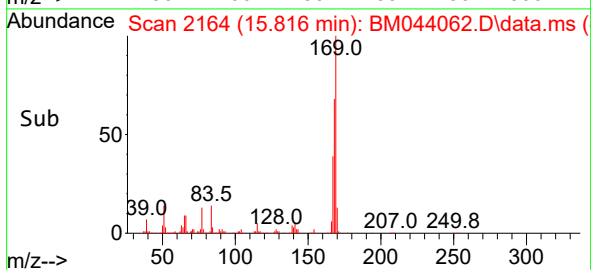
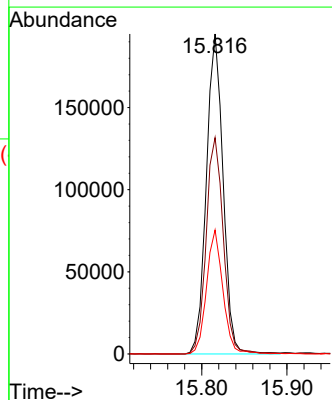
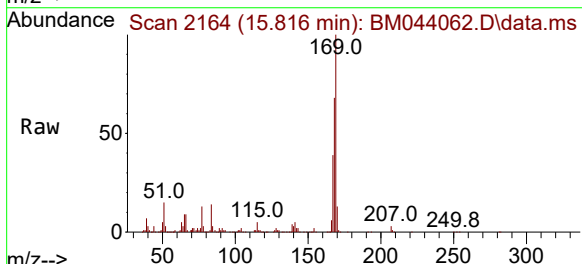
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

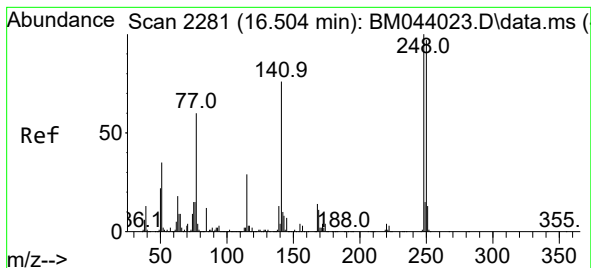
Tgt Ion:198 Resp: 30931
Ion Ratio Lower Upper
198 100
51 50.7 29.9 69.9
105 52.1 28.7 68.7



#66
n-Nitrosodiphenylamine
Concen: 3.637 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:169 Resp: 265845
Ion Ratio Lower Upper
169 100
168 67.6 53.8 80.8
167 38.8 29.2 43.8





#67

4-Bromophenyl-phenylether

Concen: 3.290 ng

RT: 16.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

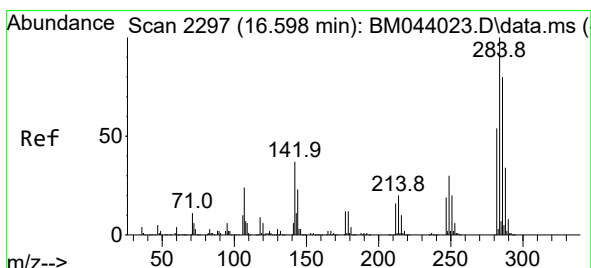
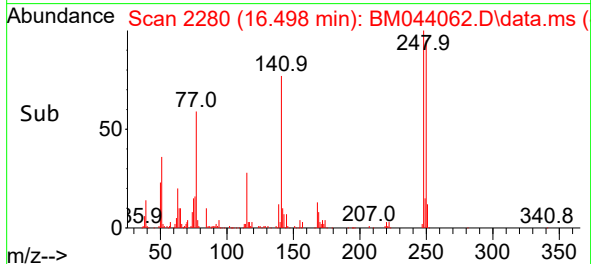
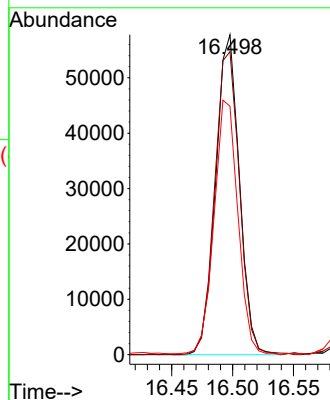
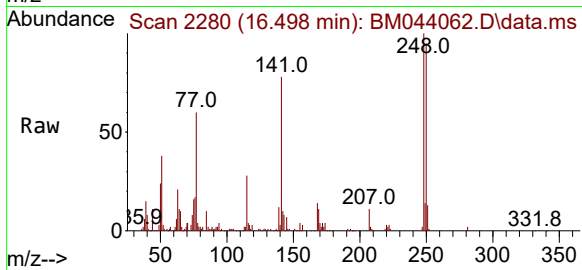
Tgt Ion:248 Resp: 78263

Ion Ratio Lower Upper

248 100

250 94.7 77.4 116.2

141 77.6 61.0 91.6



#68

Hexachlorobenzene

Concen: 3.683 ng

RT: 16.592 min Scan# 2296

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

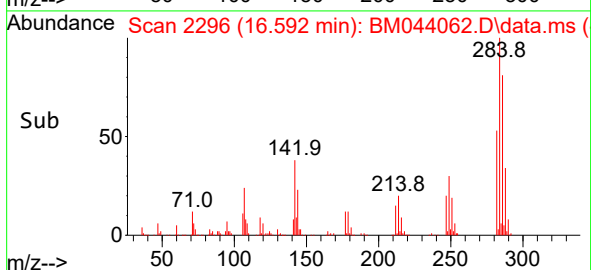
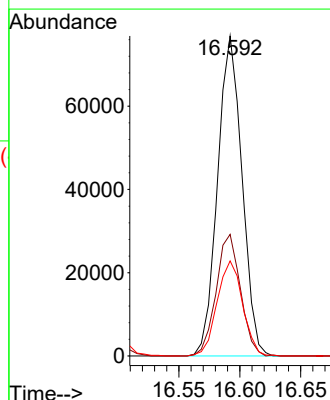
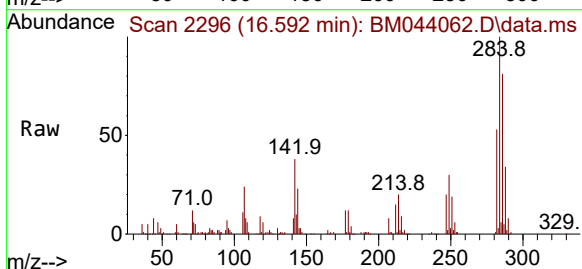
Tgt Ion:284 Resp: 107313

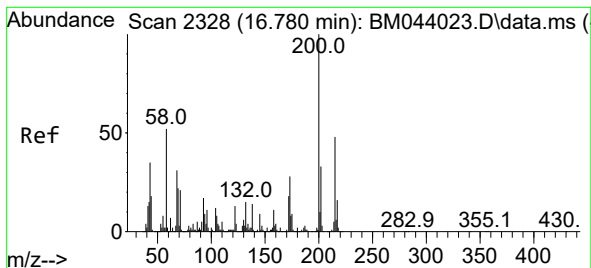
Ion Ratio Lower Upper

284 100

142 38.0 30.0 45.0

249 29.7 24.1 36.1





#69

Atrazine

Concen: 4.207 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

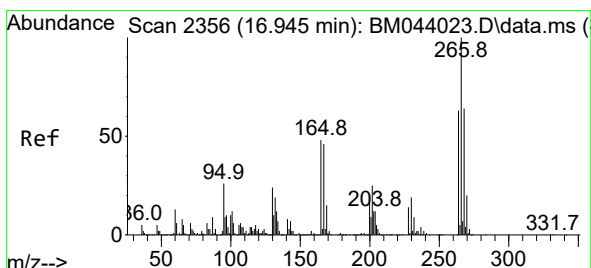
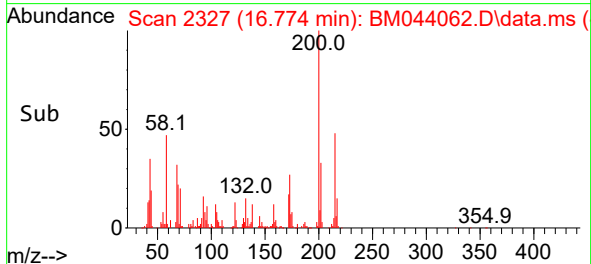
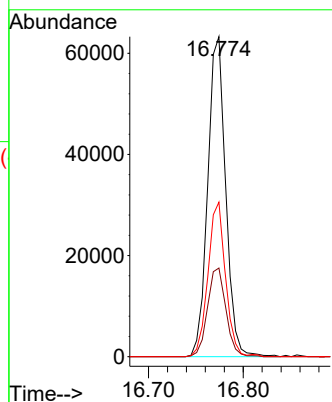
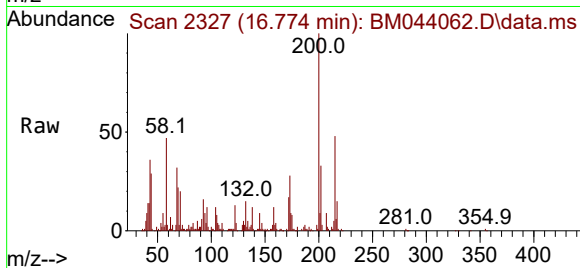
Tgt Ion:200 Resp: 83266

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

215 48.3 27.9 67.9



#70

Pentachlorophenol

Concen: 2.520 ng

RT: 16.945 min Scan# 2356

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

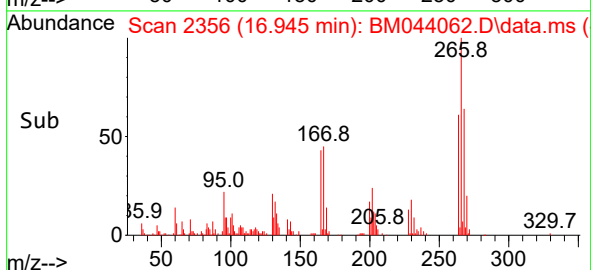
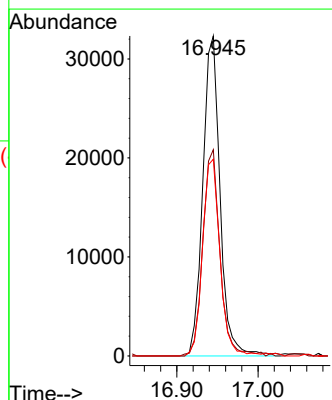
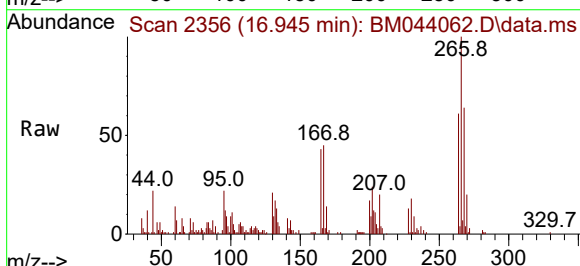
Tgt Ion:266 Resp: 47766

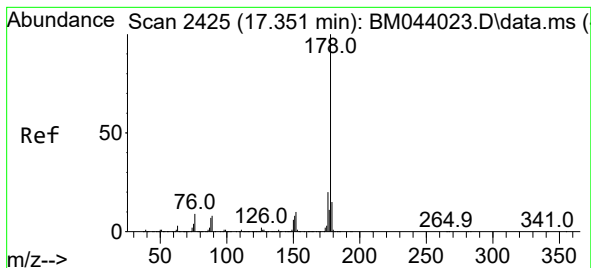
Ion Ratio Lower Upper

266 100

268 64.5 51.1 76.7

264 61.5 50.5 75.7





#71

Phenanthrene

Concen: 3.974 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

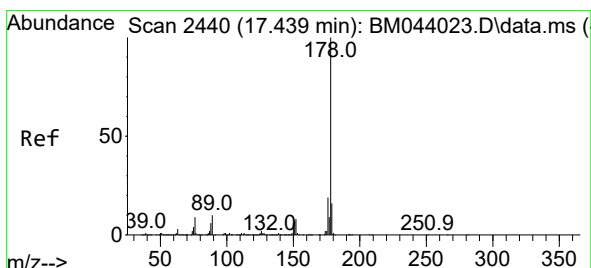
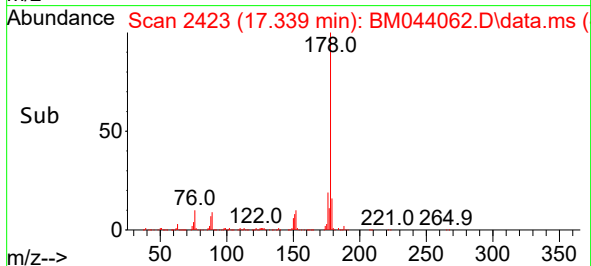
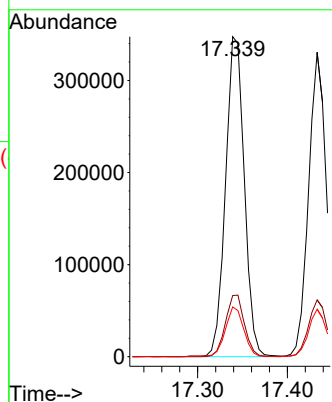
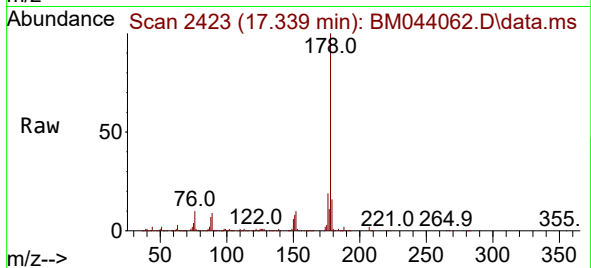
Tgt Ion:178 Resp: 504832

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.6 12.2 18.4



#72

Anthracene

Concen: 3.718 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

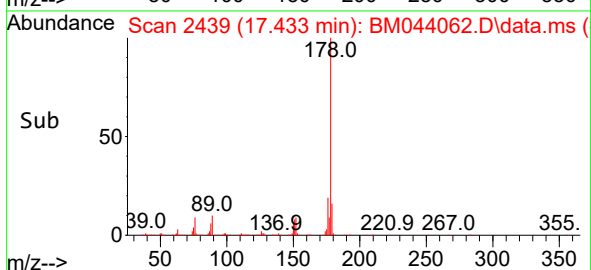
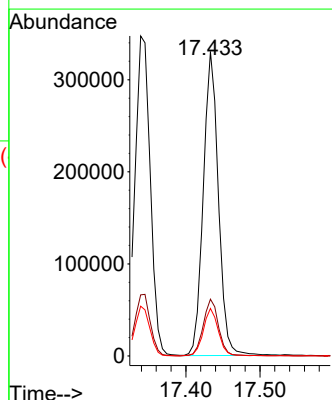
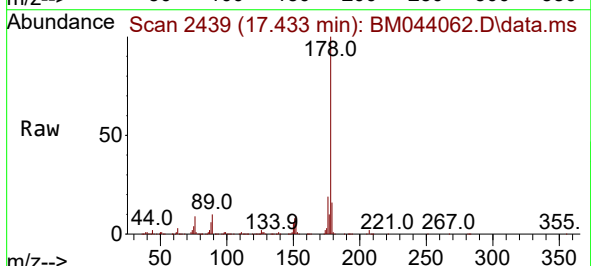
Tgt Ion:178 Resp: 467689

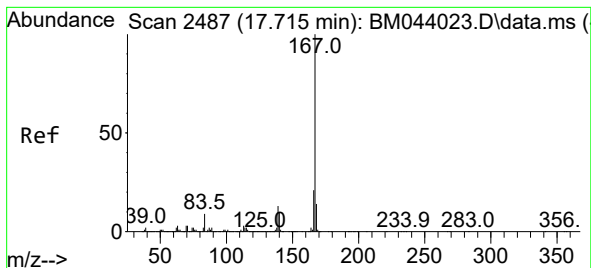
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.6 12.4 18.6





#73

Carbazole

Concen: 3.525 ng

RT: 17.710 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

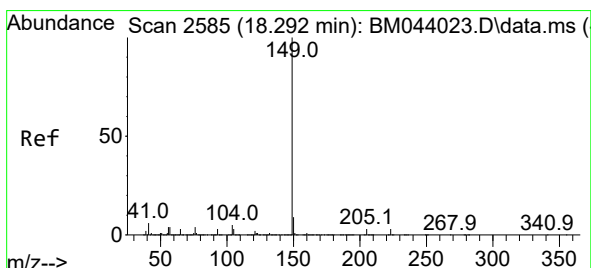
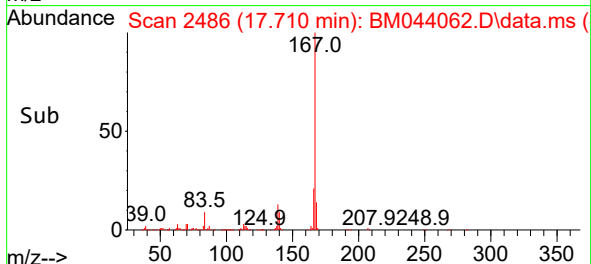
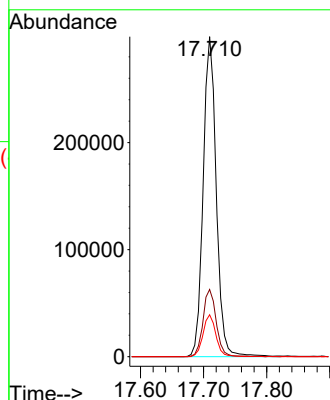
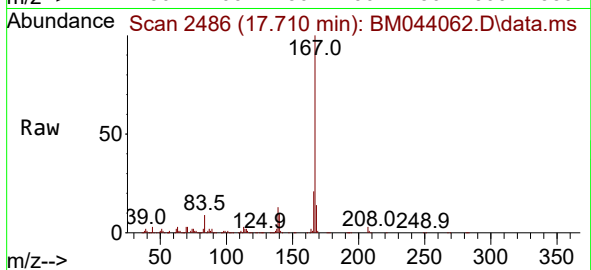
Tgt Ion:167 Resp: 431139

Ion Ratio Lower Upper

167 100

166 21.0 16.8 25.2

139 13.1 10.4 15.6



#74

Di-n-butylphthalate

Concen: 3.051 ng

RT: 18.286 min Scan# 2584

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

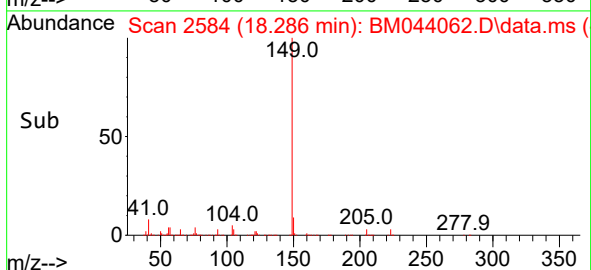
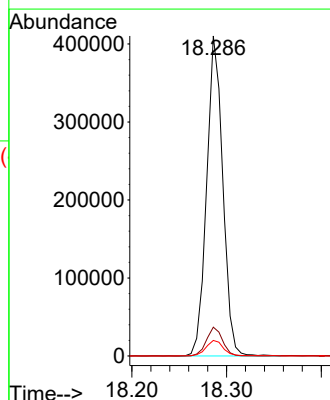
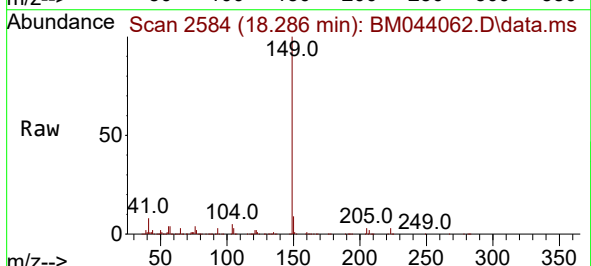
Tgt Ion:149 Resp: 485096

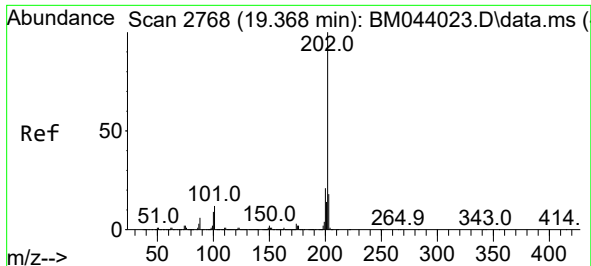
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 4.9 3.8 5.6

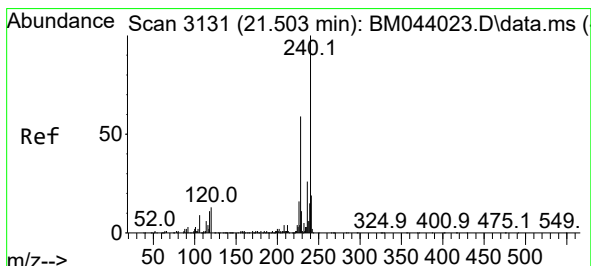
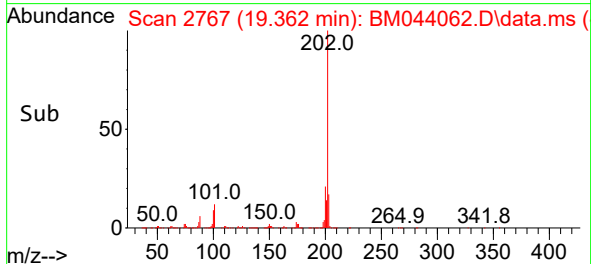
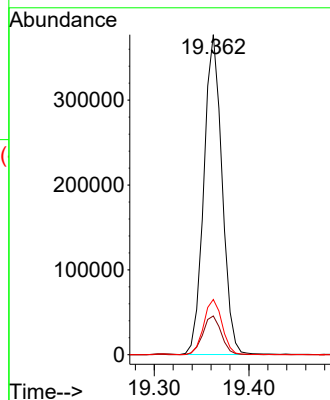
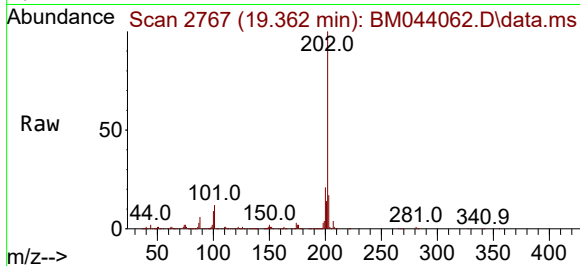




#75
Fluoranthene
Concen: 3.527 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

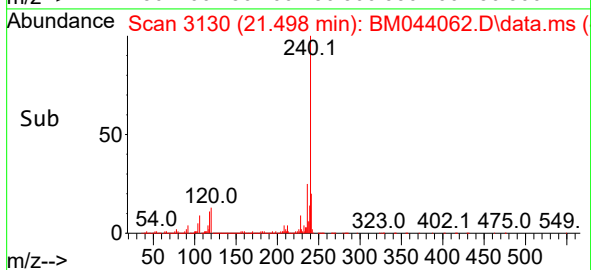
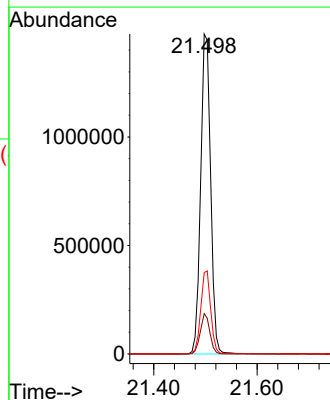
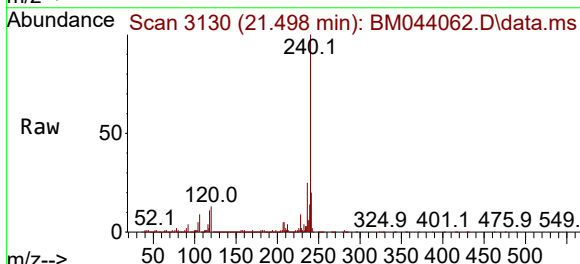
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

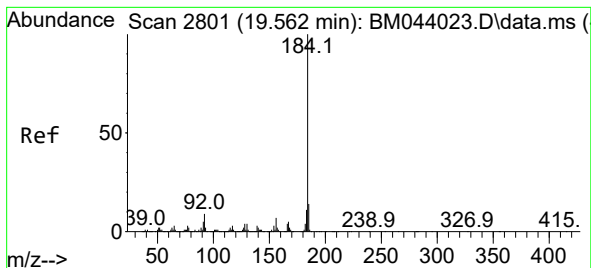
Tgt Ion:202 Resp: 503398
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.4
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM044062.D
Acq: 12 Feb 2024 18:19

Tgt Ion:240 Resp: 1975095
Ion Ratio Lower Upper
240 100
120 12.6 10.1 15.1
236 25.4 20.6 31.0





#77

Benzidine

Concen: 3.571 ng

RT: 19.562 min Scan# 2801

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

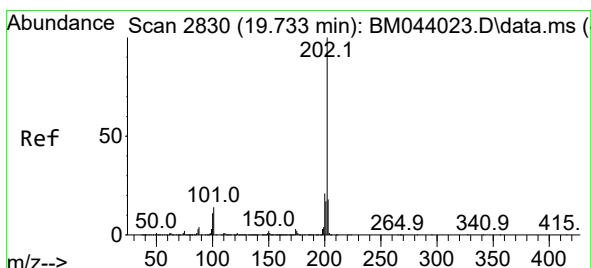
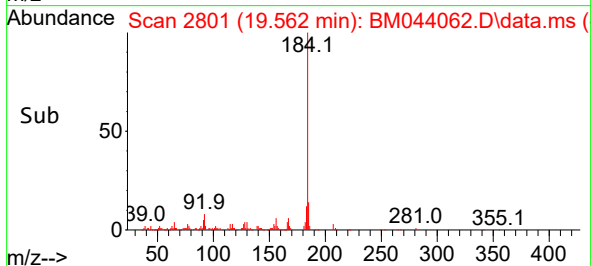
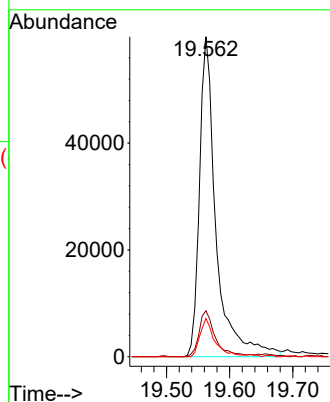
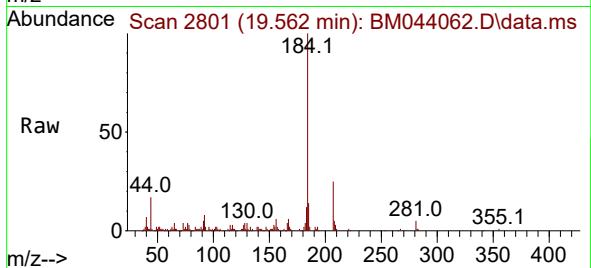
Tgt Ion:184 Resp: 109598

Ion Ratio Lower Upper

184 100

185 14.3 11.0 16.6

183 11.9 9.0 13.4



#78

Pyrene

Concen: 3.502 ng

RT: 19.727 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

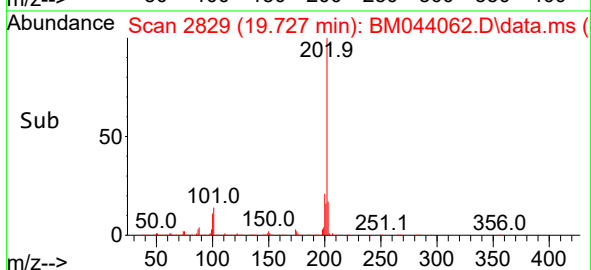
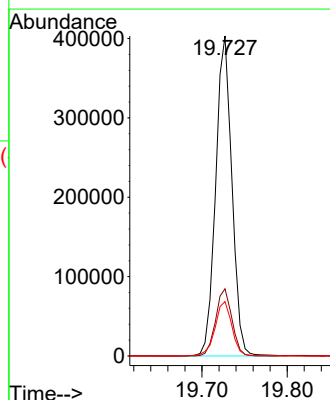
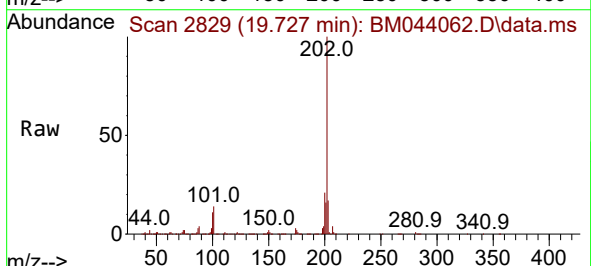
Tgt Ion:202 Resp: 532760

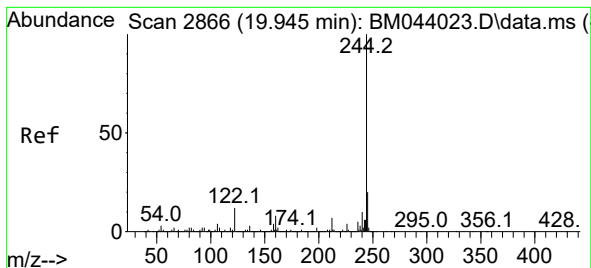
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.0 14.0 21.0





#79

Terphenyl-d14

Concen: 76.796 ng

RT: 19.945 min Scan# 2866

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

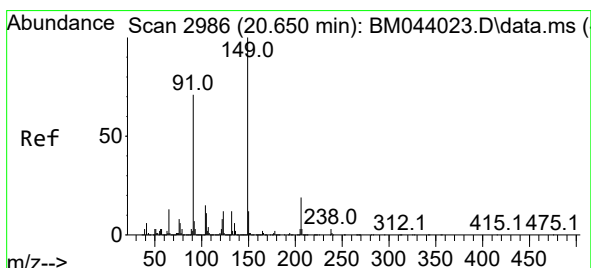
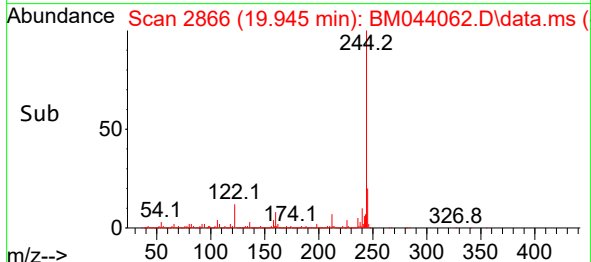
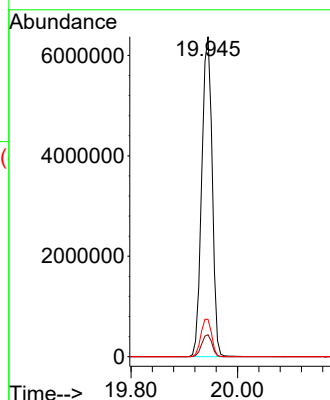
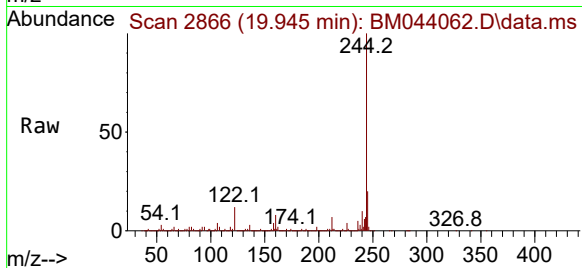
Tgt Ion:244 Resp: 8652375

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 11.6 9.5 14.3



#80

Butylbenzylphthalate

Concen: 2.634 ng

RT: 20.651 min Scan# 2986

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

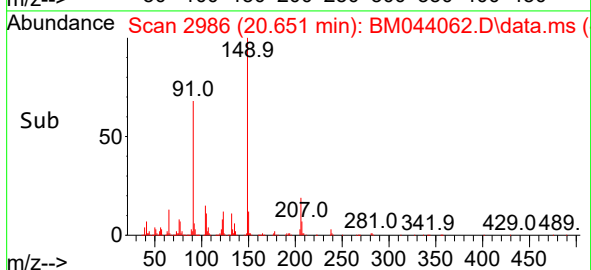
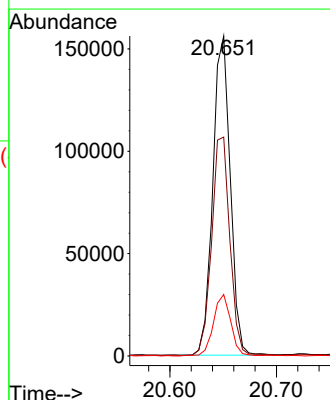
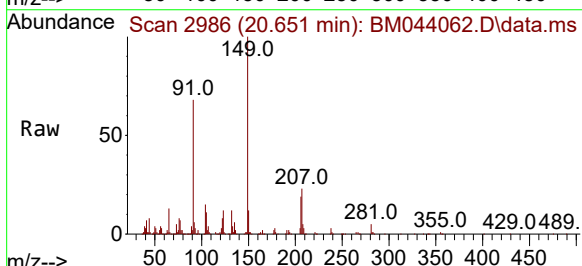
Tgt Ion:149 Resp: 178093

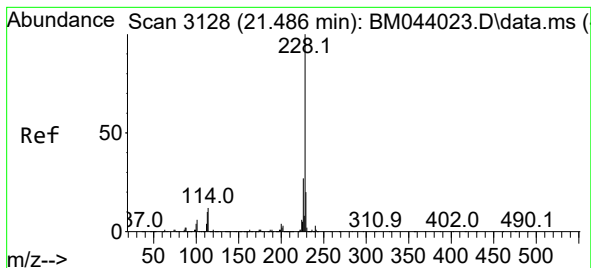
Ion Ratio Lower Upper

149 100

91 68.4 56.8 85.2

206 19.2 15.0 22.6





#81

Benzo(a)anthracene

Concen: 3.634 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

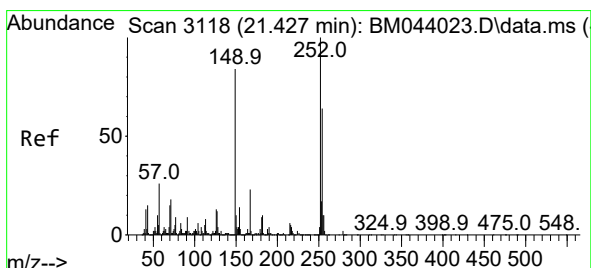
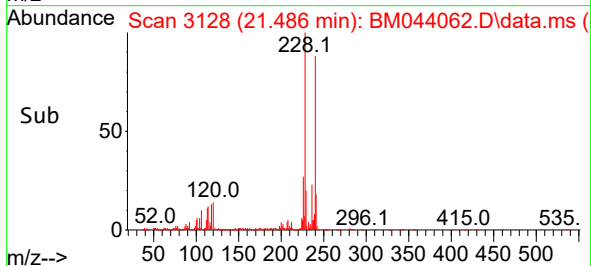
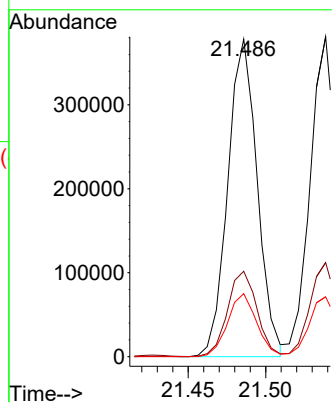
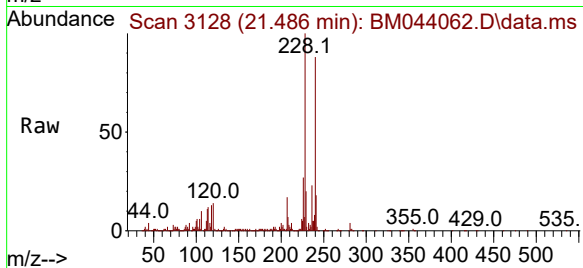
Tgt Ion:228 Resp: 499272

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

229 19.9 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 3.351 ng

RT: 21.427 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

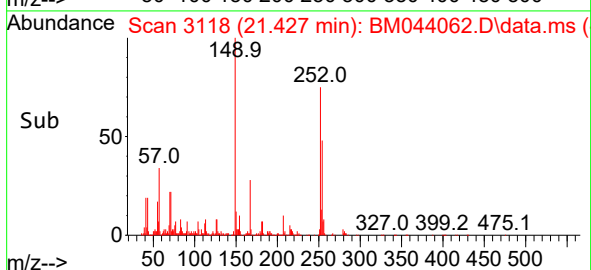
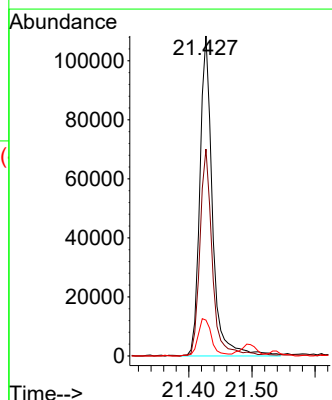
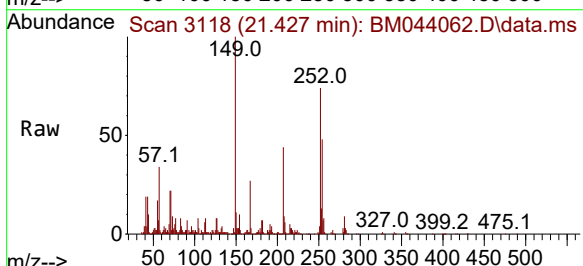
Tgt Ion:252 Resp: 151042

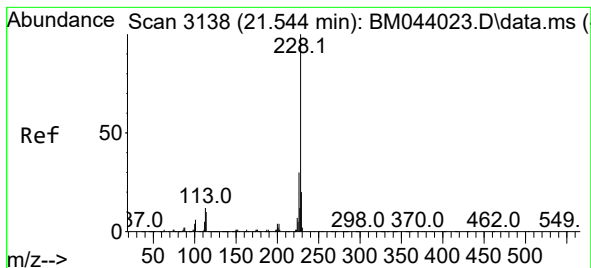
Ion Ratio Lower Upper

252 100

254 64.6 51.2 76.8

126 11.2 10.2 15.4





#83

Chrysene

Concen: 3.669 ng

RT: 21.539 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

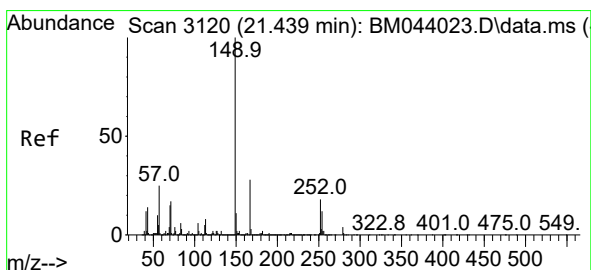
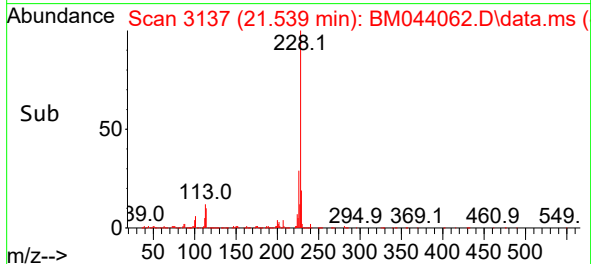
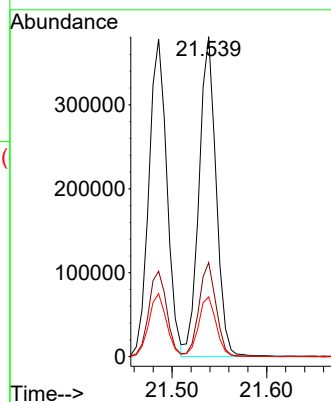
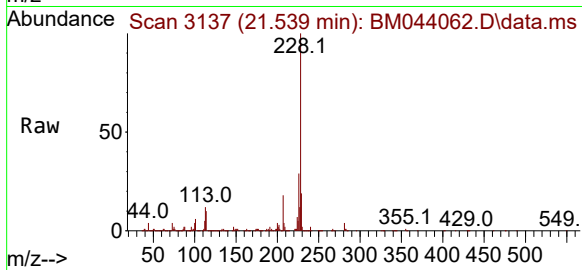
Tgt Ion:228 Resp: 476168

Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.2

229 18.7 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.817 ng

RT: 21.433 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

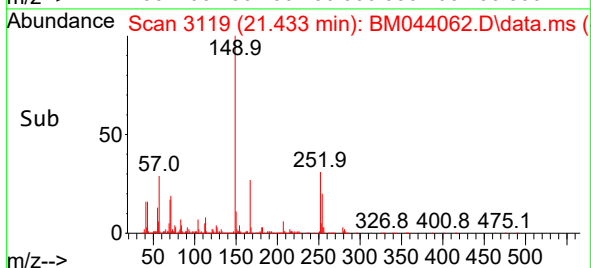
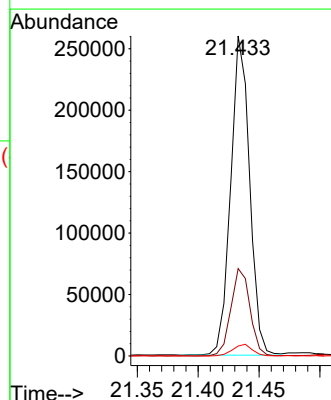
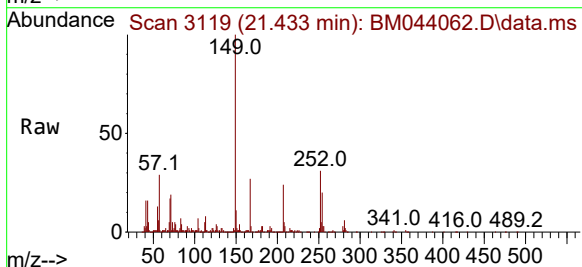
Tgt Ion:149 Resp: 280999

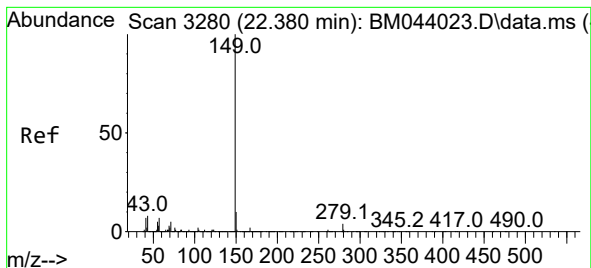
Ion Ratio Lower Upper

149 100

167 27.3 22.6 33.8

279 3.1 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 2.420 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

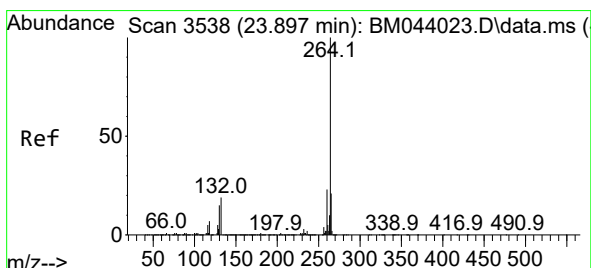
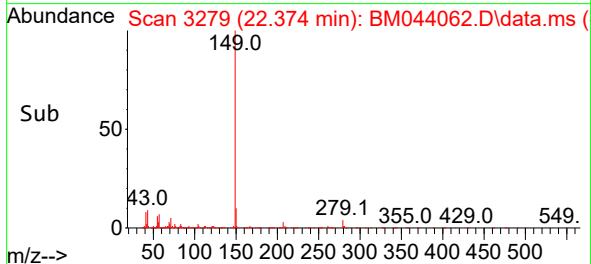
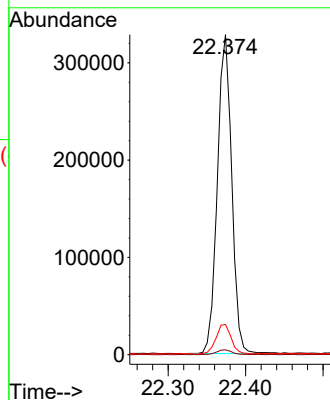
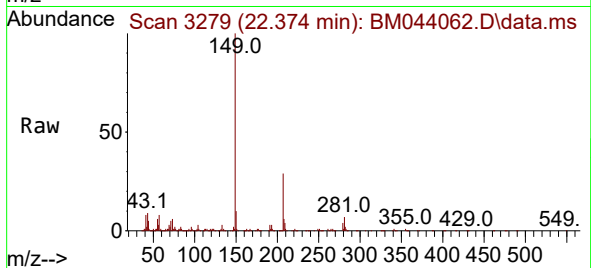
Tgt Ion:149 Resp: 421695

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

43 9.8 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: BM044062.D

Acq: 12 Feb 2024 18:19

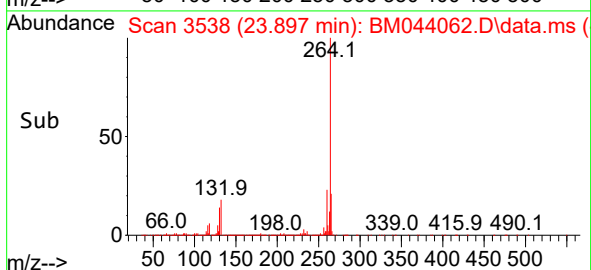
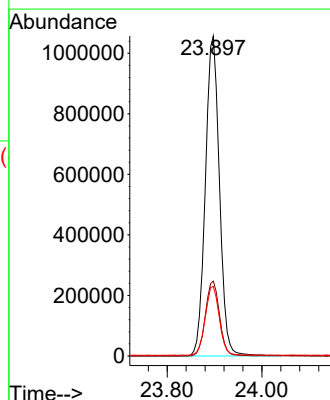
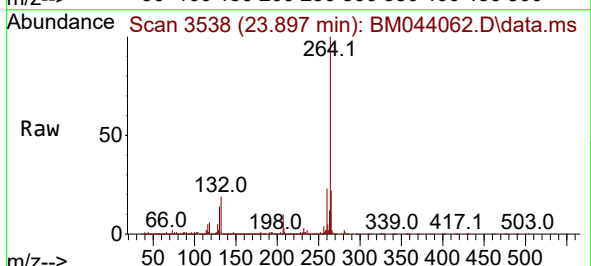
Tgt Ion:264 Resp: 2182249

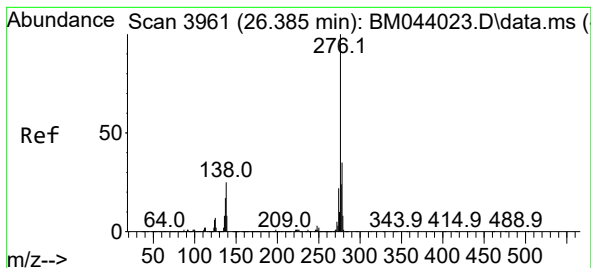
Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.485 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

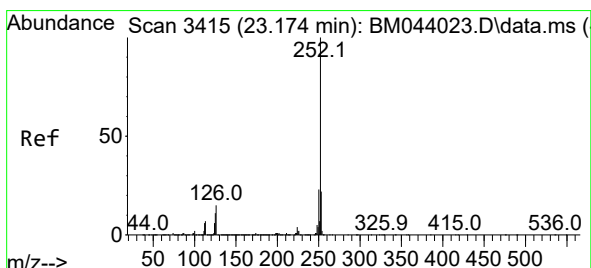
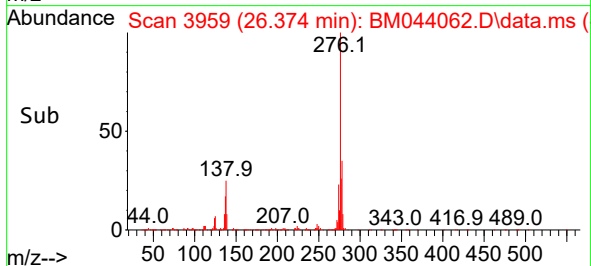
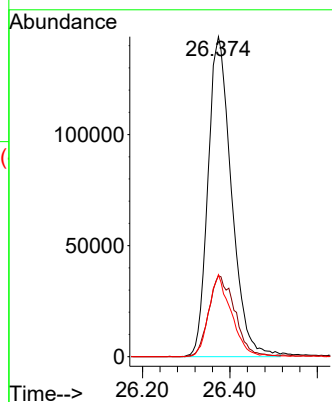
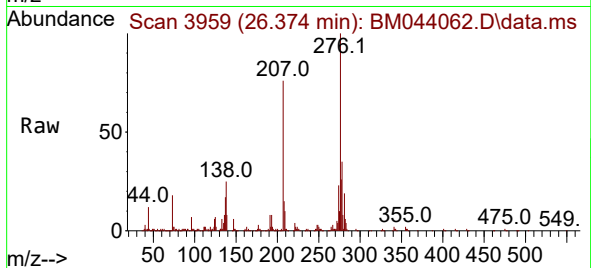
Tgt Ion:276 Resp: 538255

Ion Ratio Lower Upper

276 100

138 28.1 22.6 34.0

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.536 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

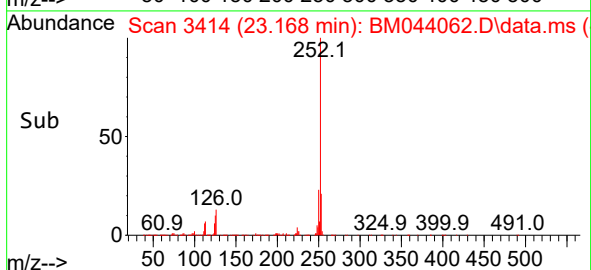
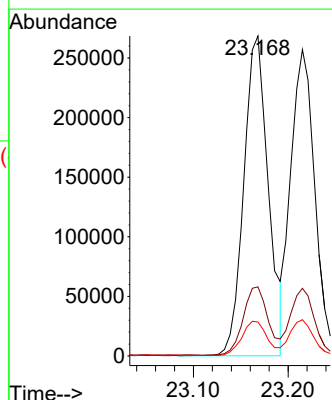
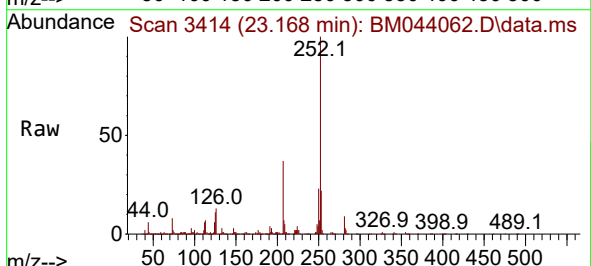
Tgt Ion:252 Resp: 482367

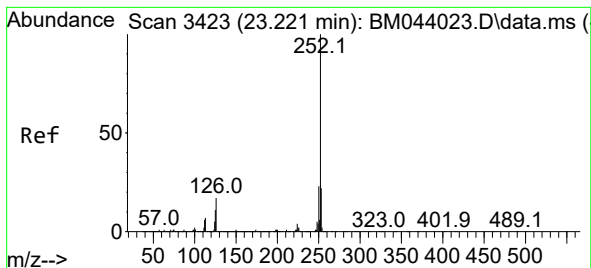
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 10.6 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 3.556 ng

RT: 23.215 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

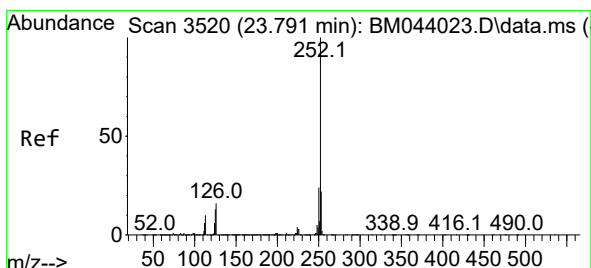
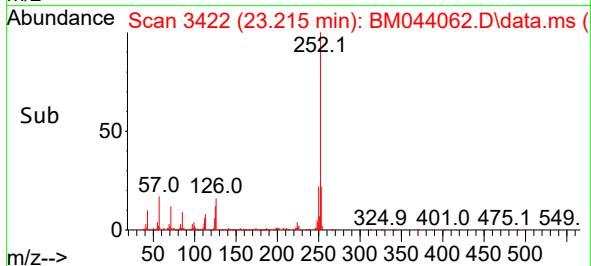
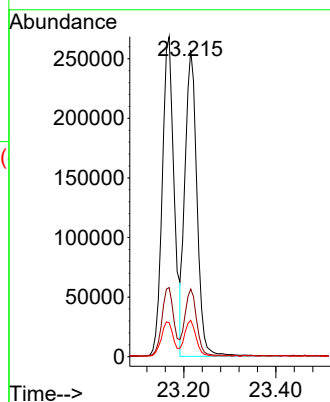
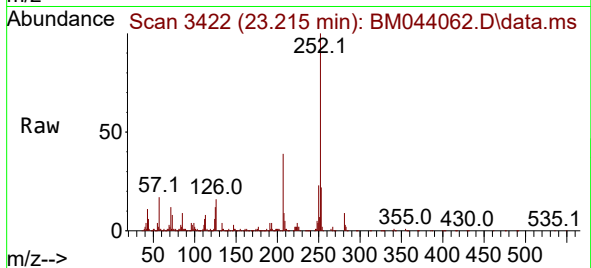
Tgt Ion:252 Resp: 460882

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.9 9.0 13.4



#90

Benzo(a)pyrene

Concen: 3.368 ng

RT: 23.786 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

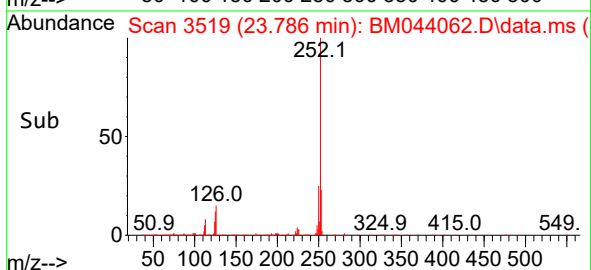
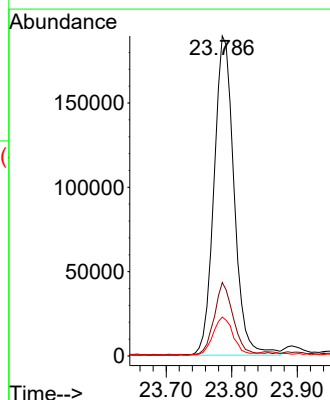
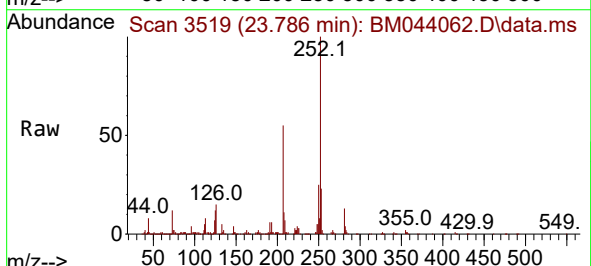
Tgt Ion:252 Resp: 401274

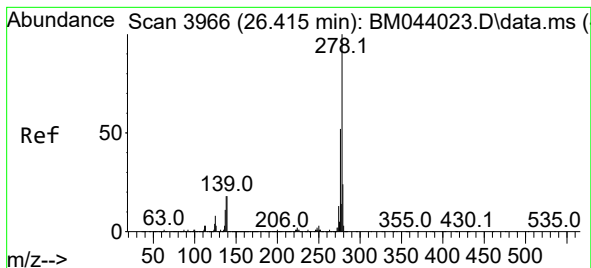
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 12.2 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 3.511 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

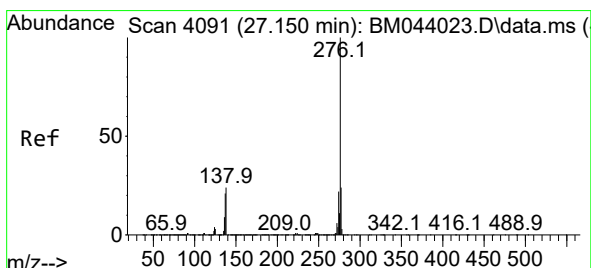
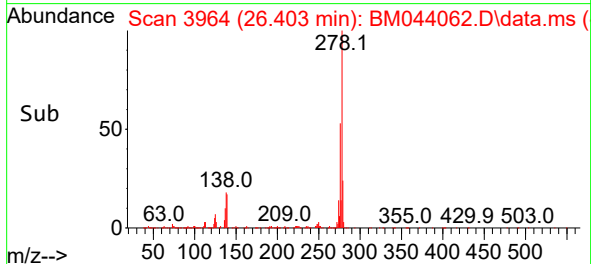
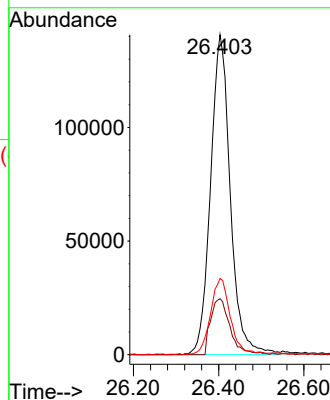
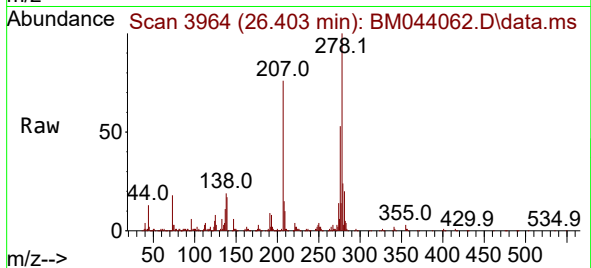
Tgt Ion:278 Resp: 453538

Ion Ratio Lower Upper

278 100

139 17.5 14.5 21.7

279 23.8 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 3.348 ng

RT: 27.127 min Scan# 4087

Delta R.T. -0.023 min

Lab File: BM044062.D

Acq: 12 Feb 2024 18:19

Tgt Ion:276 Resp: 438726

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 24.4 19.1 28.7

