

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044053.D
 Acq On : 12 Feb 2024 12:53
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 12 13:25:43 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	471976	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	1926225	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1082116	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	2085038	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1662047	20.000	ng	0.00
86) Perylene-d12	23.897	264	1832461	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	2731323	84.168	ng	0.00
7) Phenol-d6	7.075	99	3478441	84.247	ng	0.00
23) Nitrobenzene-d5	9.075	82	2257829	62.199	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	985253	84.092	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	4751835	61.975	ng	0.00
79) Terphenyl-d14	19.945	244	5767845	60.836	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	84609	6.570	ng	97
3) Pyridine	3.787	79	188622	5.548	ng	96
4) n-Nitrosodimethylamine	3.710	42	77808	6.031	ng	# 94
6) Aniline	7.240	93	287294	7.077	ng	97
8) 2-Chlorophenol	7.469	128	202460	5.974	ng	98
9) Benzaldehyde	7.051	77	185258	8.731	ng	96
10) Phenol	7.098	94	255056	6.121	ng	96
11) bis(2-Chloroethyl)ether	7.340	93	210866	6.111	ng	98
12) 1,3-Dichlorobenzene	7.793	146	229253	5.959	ng	99
13) 1,4-Dichlorobenzene	7.940	146	233590	6.023	ng	98
14) 1,2-Dichlorobenzene	8.257	146	221180	5.985	ng	97
15) Benzyl Alcohol	8.151	79	159233	5.923	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.445	45	274688	6.279	ng	99
17) 2-Methylphenol	8.351	107	159165	5.819	ng	98
18) Hexachloroethane	8.981	117	83516	5.751	ng	96
19) n-Nitroso-di-n-propyla...	8.722	70	153119	6.039	ng	99
20) 3+4-Methylphenols	8.681	107	211590	5.620	ng	98
22) Acetophenone	8.734	105	314855	6.440	ng	# 97
24) Nitrobenzene	9.116	77	230507	6.201	ng	98
25) Isophorone	9.639	82	398108	5.696	ng	100
26) 2-Nitrophenol	9.828	139	87173	5.058	ng	98
27) 2,4-Dimethylphenol	9.887	122	153470	6.964	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	273188	6.043	ng	98
29) 2,4-Dichlorophenol	10.351	162	161651	5.572	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	194010	5.947	ng	99
31) Naphthalene	10.757	128	636990	5.992	ng	100
32) Benzoic acid	9.957	122	67742	3.052	ng	92
33) 4-Chloroaniline	10.875	127	248023	6.161	ng	99
34) Hexachlorobutadiene	11.034	225	107945	5.780	ng	97
35) Caprolactam	11.645	113	44854	4.804	ng	96
36) 4-Chloro-3-methylphenol	11.998	107	169446	5.393	ng	98
37) 2-Methylnaphthalene	12.369	142	413800	5.843	ng	99
38) 1-Methylnaphthalene	12.592	142	401324	5.767	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	195572	6.218	ng	99
41) Hexachlorocyclopentadiene	12.704	237	99707	7.264	ng	98
43) 2,4,6-Trichlorophenol	12.980	196	113600	5.307	ng	99

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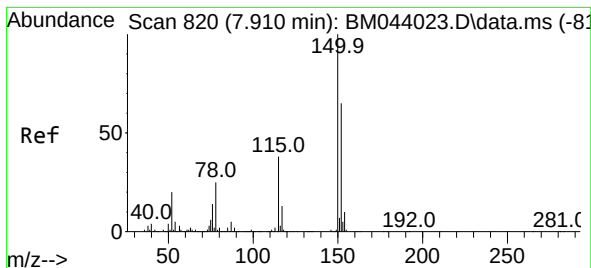
Quant Time: Feb 12 13:25:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	123832	5.272	ng	97
46) 1,1'-Biphenyl	13.386	154	547584	6.413	ng	99
47) 2-Chloronaphthalene	13.427	162	414157	6.123	ng	98
48) 2-Nitroaniline	13.639	65	101867	5.353	ng	92
49) Acenaphthylene	14.269	152	659291	6.534	ng	99
50) Dimethylphthalate	14.016	163	481070	5.996	ng	100
51) 2,6-Dinitrotoluene	14.139	165	92889	5.248	ng	93
52) Acenaphthene	14.610	154	378269	6.057	ng	98
53) 3-Nitroaniline	14.463	138	99355	5.223	ng	91
54) 2,4-Dinitrophenol	14.669	184	30692	8.274	ng	97
55) Dibenzofuran	14.951	168	612602	6.337	ng	99
56) 4-Nitrophenol	14.769	139	67039	4.335	ng	94
57) 2,4-Dinitrotoluene	14.922	165	111352	4.813	ng	93
58) Fluorene	15.598	166	474807	6.357	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	103121	5.594	ng	98
60) Diethylphthalate	15.380	149	461680	5.568	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	225732	6.237	ng	98
62) 4-Nitroaniline	15.627	138	90377	4.720	ng	93
63) Azobenzene	15.892	77	453050	5.824	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	48045	3.867	ng	96
66) n-Nitrosodiphenylamine	15.816	169	386216	6.097	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	112583	5.461	ng	98
68) Hexachlorobenzene	16.592	284	151131	5.985	ng	98
69) Atrazine	16.774	200	117791	6.867	ng	100
70) Pentachlorophenol	16.945	266	70842	4.312	ng	96
71) Phenanthrene	17.345	178	703890	6.393	ng	99
72) Anthracene	17.433	178	665380	6.104	ng	100
73) Carbazole	17.710	167	614335	5.795	ng	99
74) Di-n-butylphthalate	18.286	149	678727	4.926	ng	99
75) Fluoranthene	19.362	202	708832	5.731	ng	99
77) Benzidine	19.562	184	226869	8.784	ng	99
78) Pyrene	19.727	202	748288	5.846	ng	99
80) Butylbenzylphthalate	20.651	149	246753	4.337	ng	98
81) Benzo(a)anthracene	21.486	228	692830	5.993	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	219514	5.787	ng	99
83) Chrysene	21.539	228	640773	5.867	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	369088	4.396	ng	100
85) Di-n-octyl phthalate	22.374	149	580634	3.960	ng	98
87) Indeno(1,2,3-cd)pyrene	26.380	276	755578	5.826	ng	99
88) Benzo(b)fluoranthene	23.168	252	653838	5.708	ng	99
89) Benzo(k)fluoranthene	23.215	252	641197	5.891	ng	99
90) Benzo(a)pyrene	23.791	252	554048	5.537	ng	100
91) Dibenzo(a,h)anthracene	26.409	278	643911	5.935	ng	98
92) Benzo(g,h,i)perylene	27.132	276	620409	5.639	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: BM044053.D

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Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

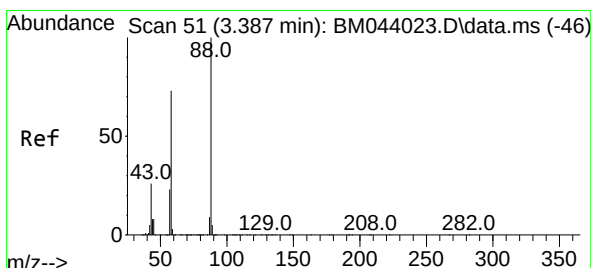
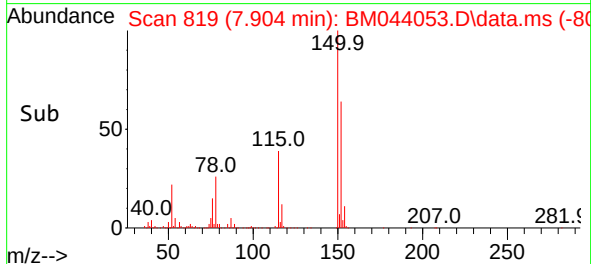
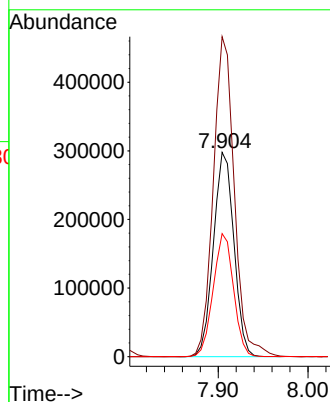
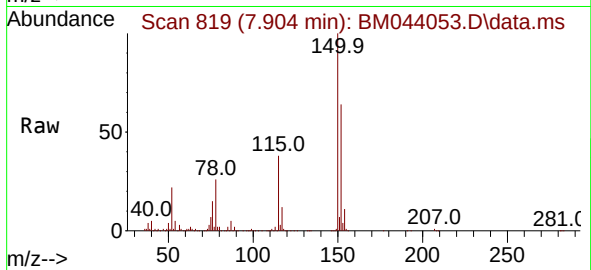
Tgt Ion:152 Resp: 471976

Ion Ratio Lower Upper

152 100

150 156.6 122.7 184.1

115 60.3 47.0 70.6



#2

1,4-Dioxane

Concen: 6.570 ng

RT: 3.387 min Scan# 51

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

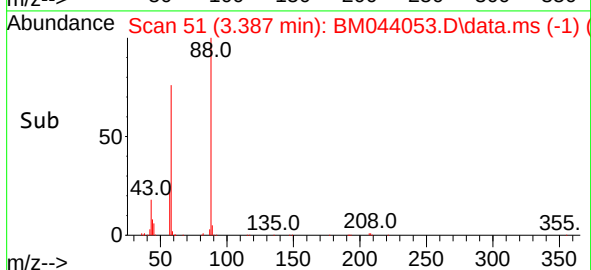
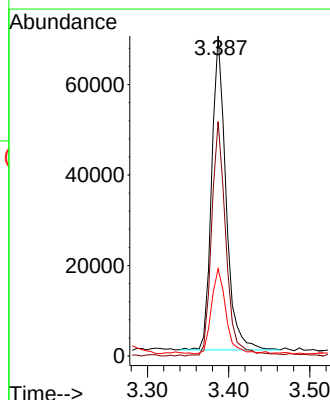
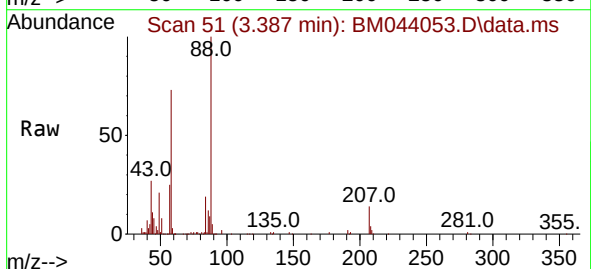
Tgt Ion: 88 Resp: 84609

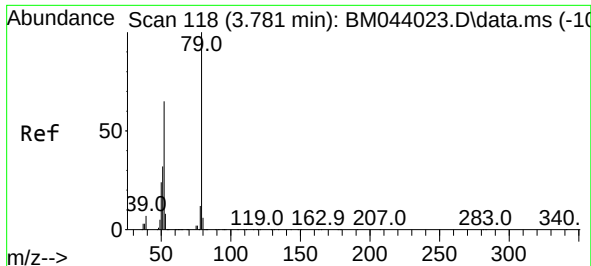
Ion Ratio Lower Upper

88 100

58 75.4 58.1 87.1

43 27.8 21.1 31.7

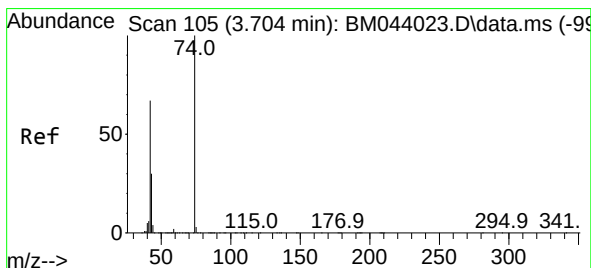
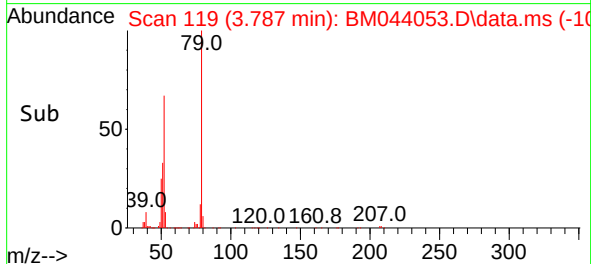
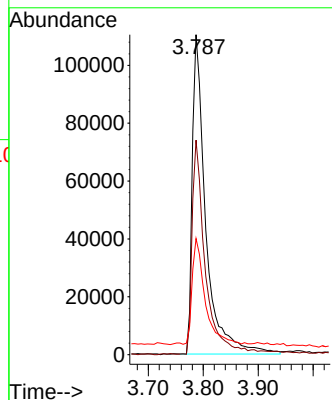
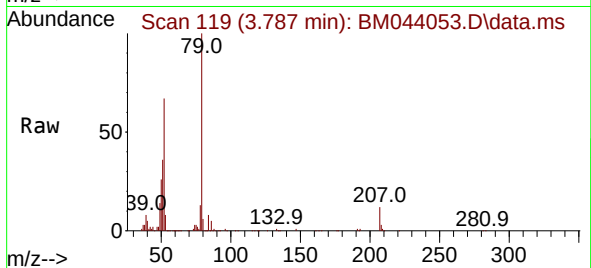




#3
Pyridine
Concen: 5.548 ng
RT: 3.787 min Scan# 118
Delta R.T. 0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

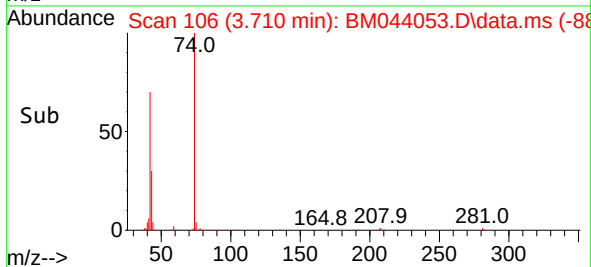
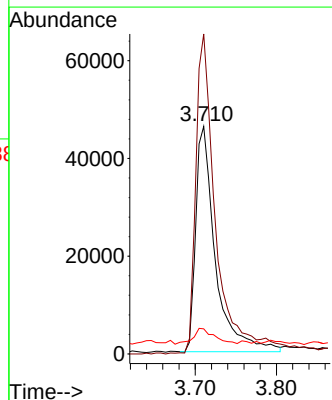
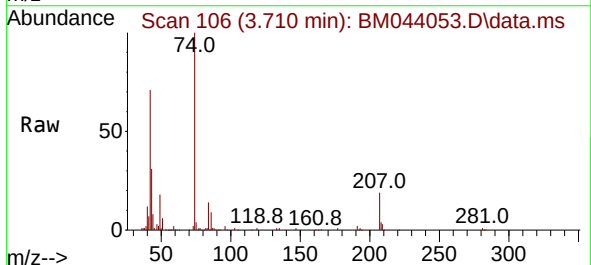
Instrument :
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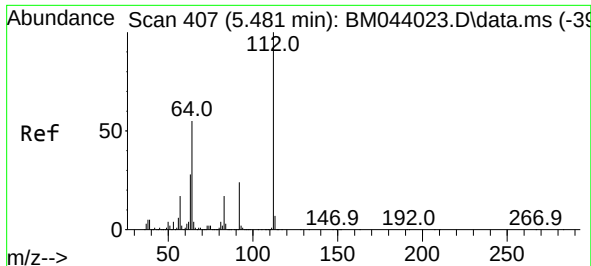
Tgt Ion: 79 Resp: 188622
Ion Ratio Lower Upper
79 100
52 67.0 52.2 78.2
51 36.3 26.2 39.4



#4
n-Nitrosodimethylamine
Concen: 6.031 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion: 42 Resp: 77808
Ion Ratio Lower Upper
42 100
74 140.6 118.6 178.0
44 11.1 5.6 8.4

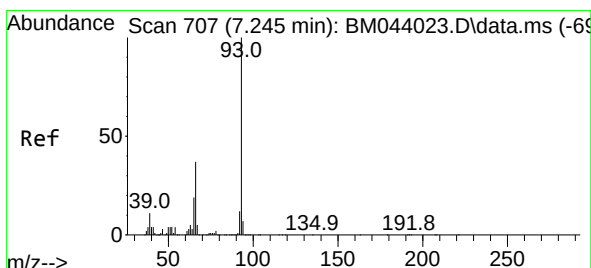
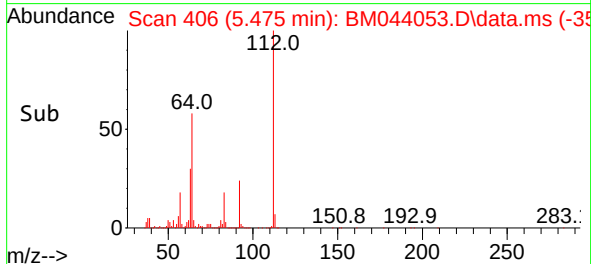
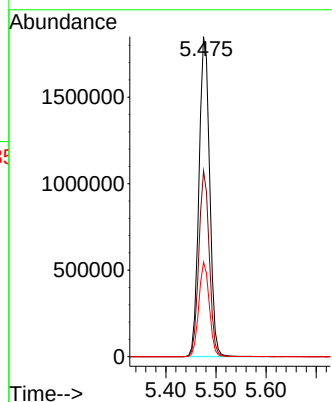
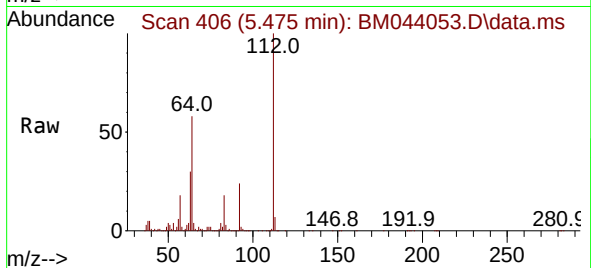




#5
2-Fluorophenol
Concen: 84.168 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

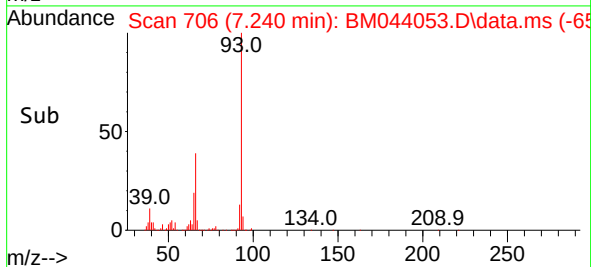
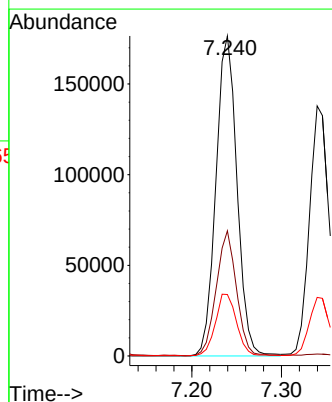
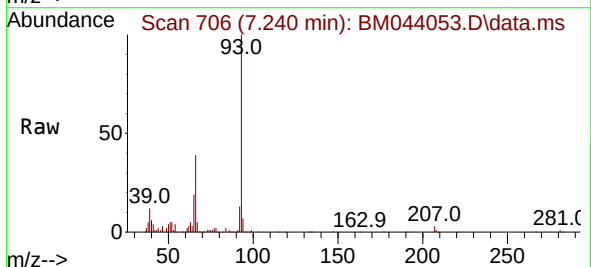
Instrument :
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ClientSampleId :
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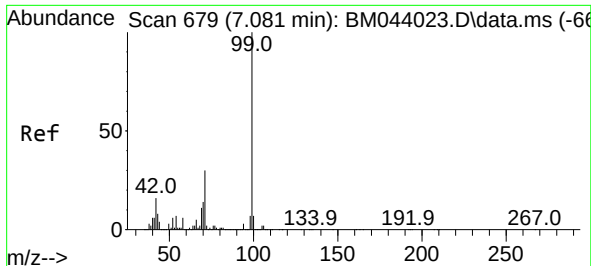
Tgt Ion:112 Resp: 2731323
Ion Ratio Lower Upper
112 100
64 58.1 44.2 66.4
63 29.5 22.6 34.0



#6
Aniline
Concen: 7.077 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion: 93 Resp: 287294
Ion Ratio Lower Upper
93 100
66 39.1 29.4 44.0
65 19.2 15.2 22.8



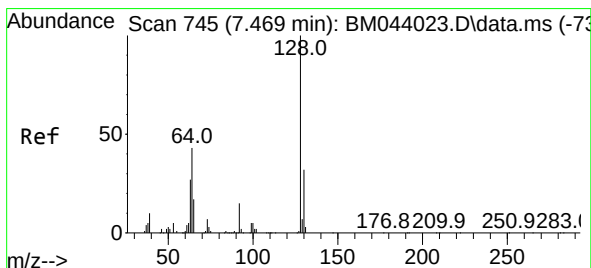
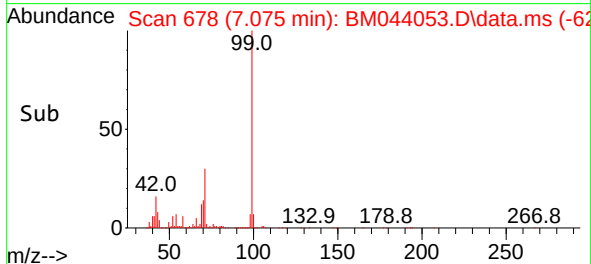
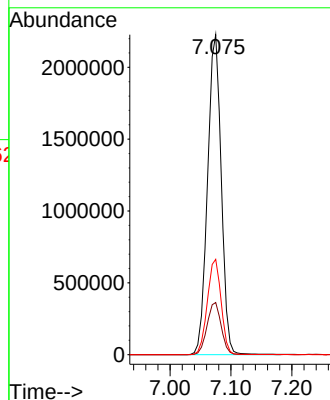
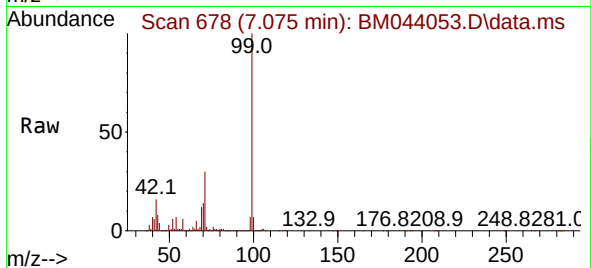


#7
Phenol-d6
Concen: 84.247 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion: 99 Resp: 3478441

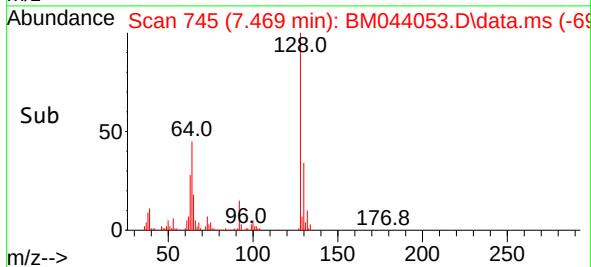
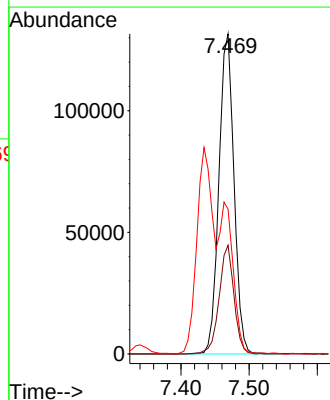
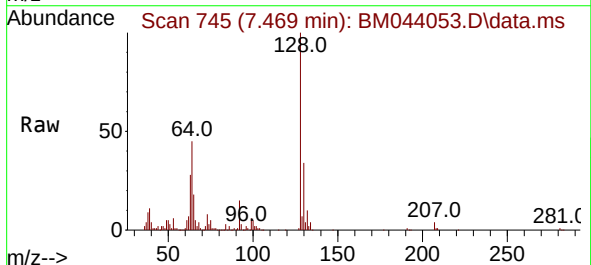
Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.9	19.3
71	29.8	23.9	35.9

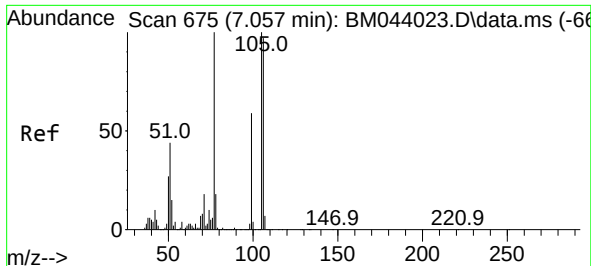


#8
2-Chlorophenol
Concen: 5.974 ng
RT: 7.469 min Scan# 745
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion: 128 Resp: 202460

Ion	Ratio	Lower	Upper
128	100		
130	33.9	12.1	52.1
64	45.2	26.0	66.0

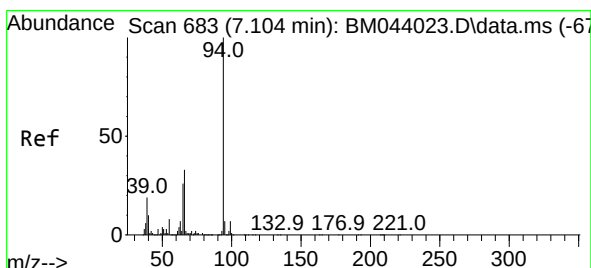
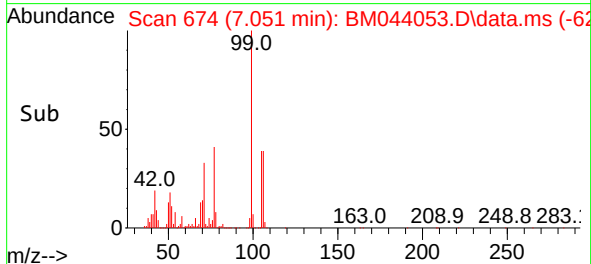
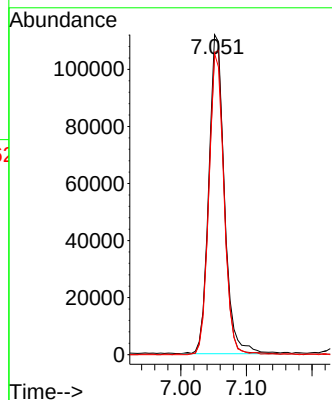
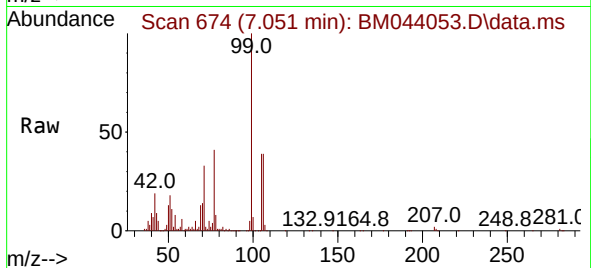




#9
Benzaldehyde
Concen: 8.731 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

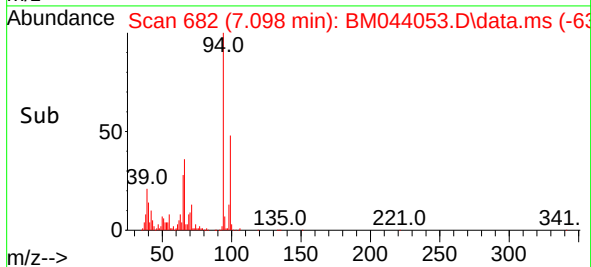
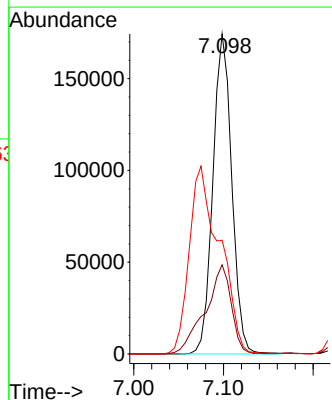
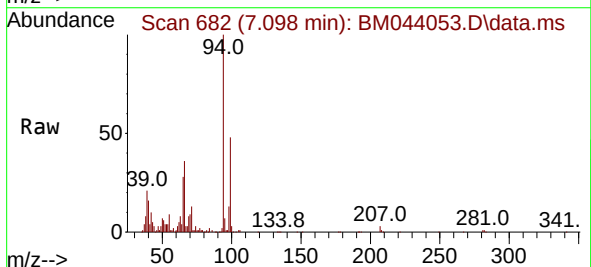
Instrument :
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ClientSampleId :
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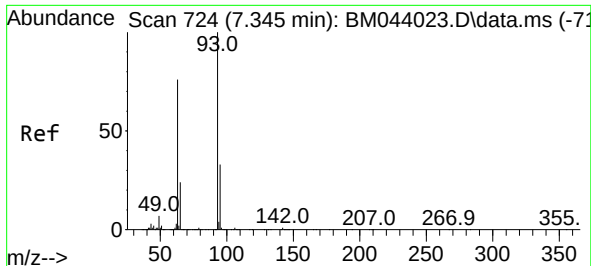
Tgt Ion: 77 Resp: 185258
Ion Ratio Lower Upper
77 100
105 94.4 80.0 120.0
106 94.1 76.8 116.8



#10
Phenol
Concen: 6.121 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion: 94 Resp: 255056
Ion Ratio Lower Upper
94 100
65 27.8 6.4 46.4
66 35.6 13.2 53.2

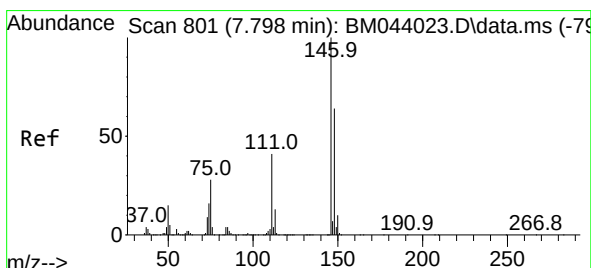
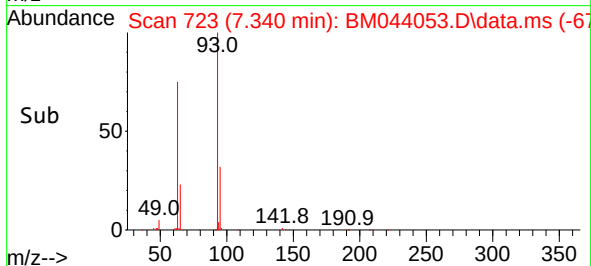
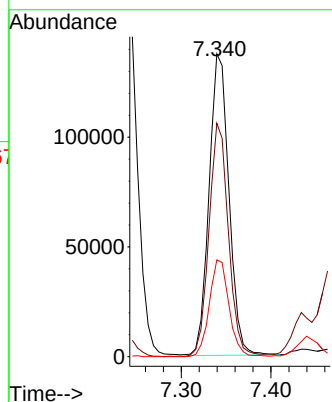
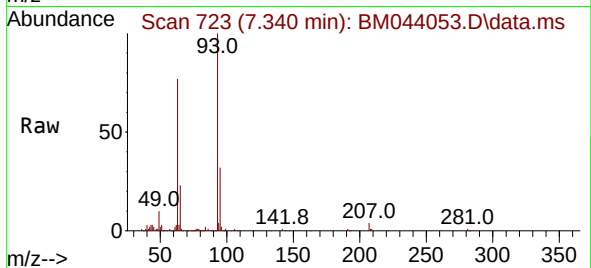




#11
bis(2-Chloroethyl)ether
Concen: 6.111 ng
RT: 7.340 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

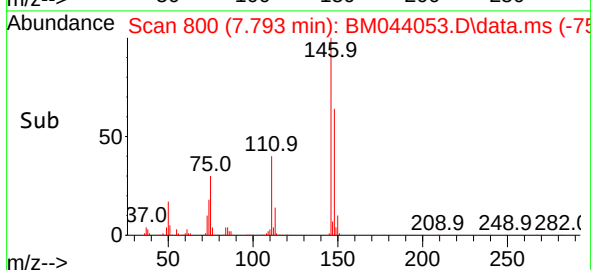
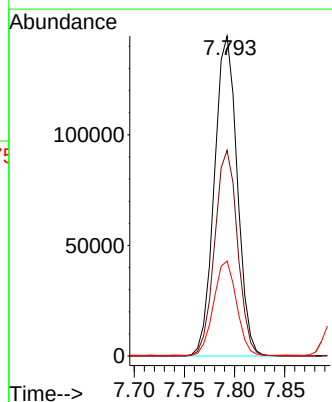
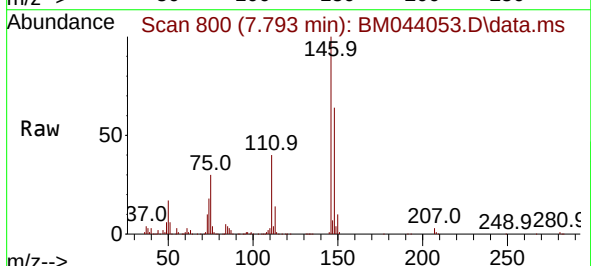
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

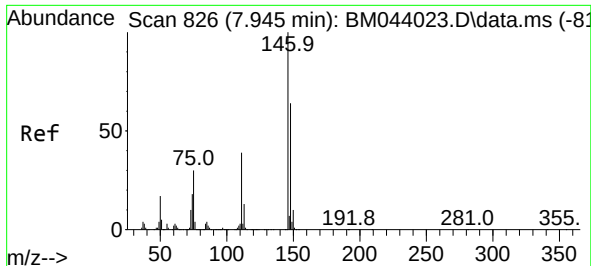
Tgt Ion: 93 Resp: 210866
Ion Ratio Lower Upper
93 100
63 77.1 55.9 95.9
95 32.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 5.959 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:146 Resp: 229253
Ion Ratio Lower Upper
146 100
148 64.2 51.3 76.9
75 29.7 22.7 34.1

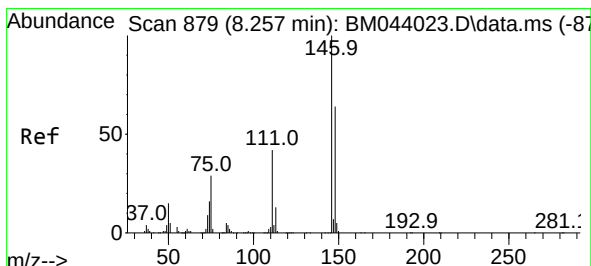
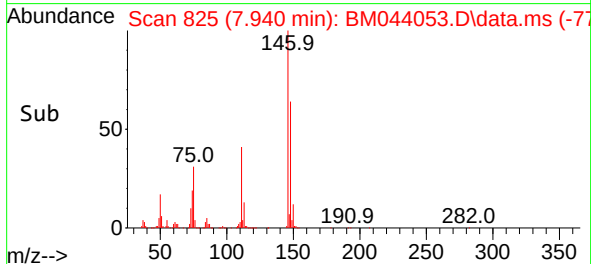
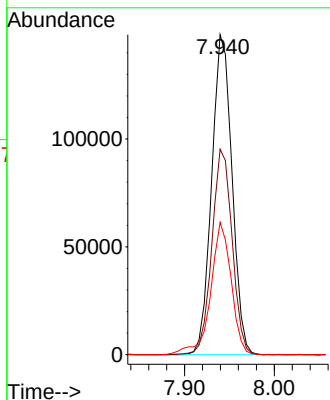
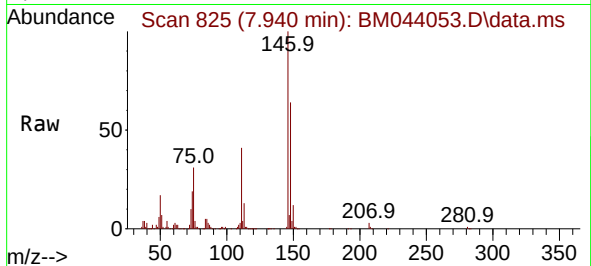




#13
1,4-Dichlorobenzene
Concen: 6.023 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

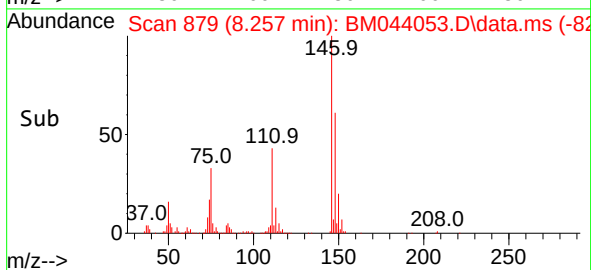
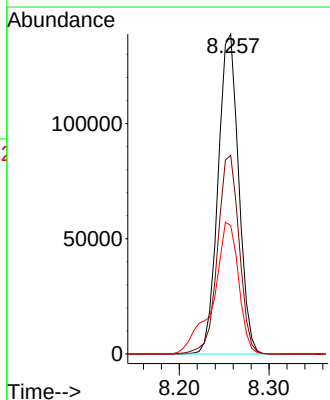
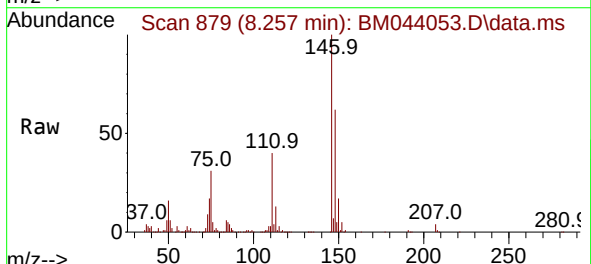
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

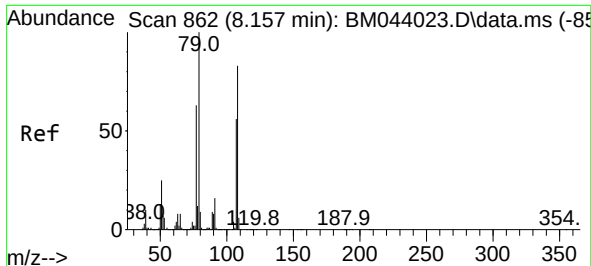
Tgt Ion:146 Resp: 233590
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
111 41.4 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 5.985 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:146 Resp: 221180
Ion Ratio Lower Upper
146 100
148 62.1 51.4 77.2
111 40.1 33.7 50.5

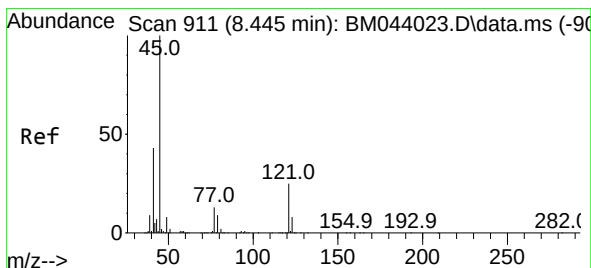
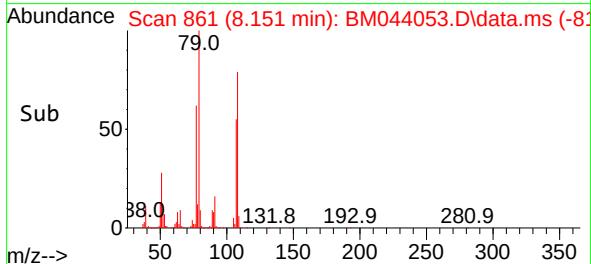
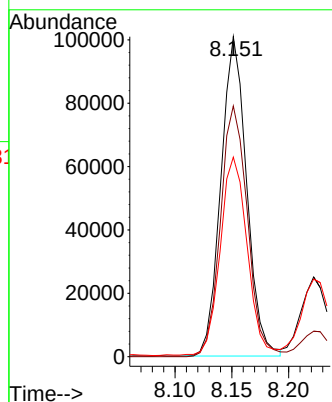
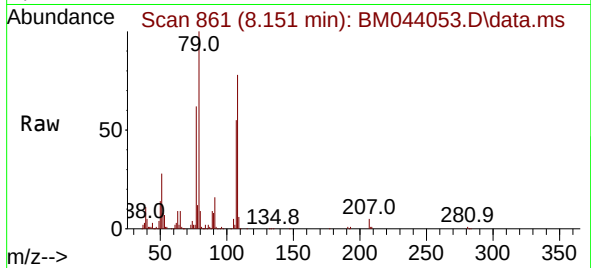




#15
Benzyl Alcohol
Concen: 5.923 ng
RT: 8.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

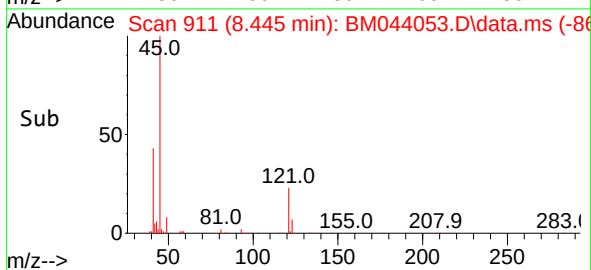
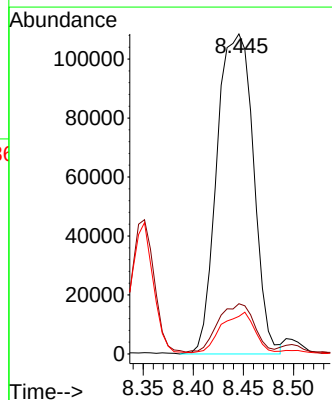
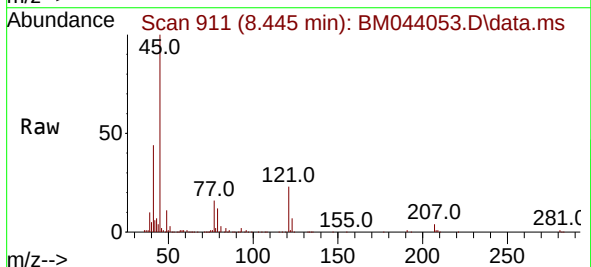
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

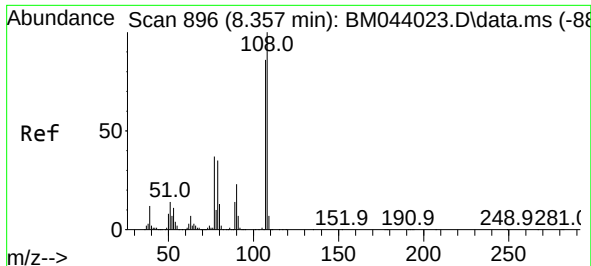
Tgt Ion: 79 Resp: 159233
Ion Ratio Lower Upper
79 100
108 78.4 66.0 99.0
77 62.3 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.279 ng
RT: 8.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion: 45 Resp: 274688
Ion Ratio Lower Upper
45 100
77 15.7 0.0 35.1
79 11.8 0.0 31.5

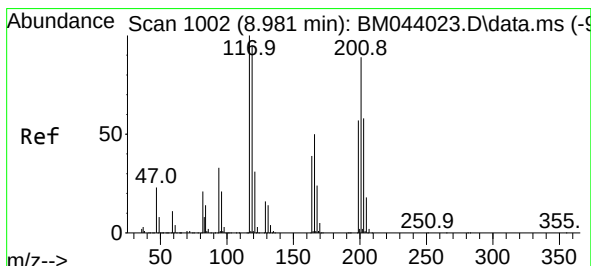
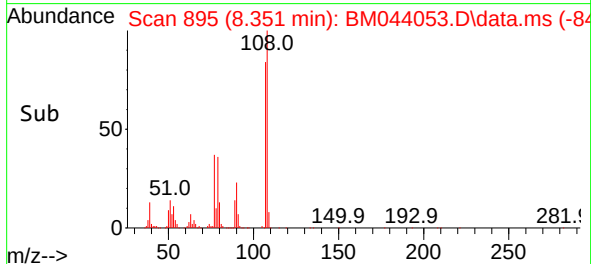
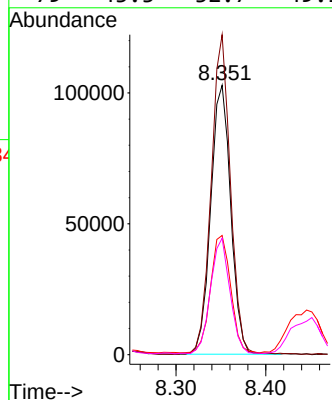
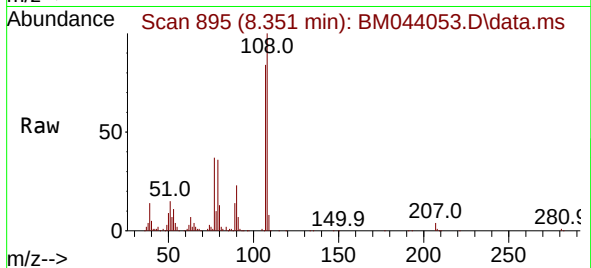




#17
2-Methylphenol
Concen: 5.819 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

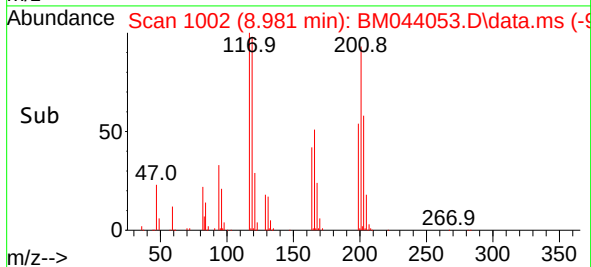
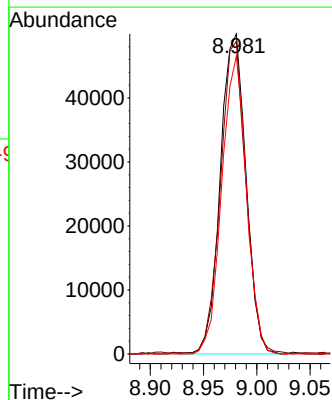
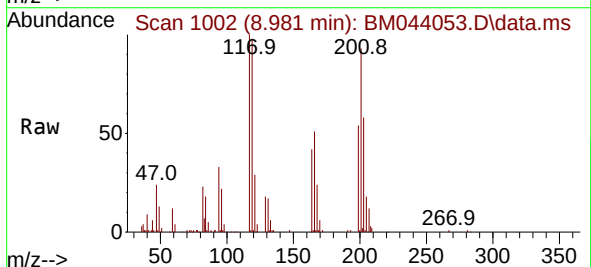
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

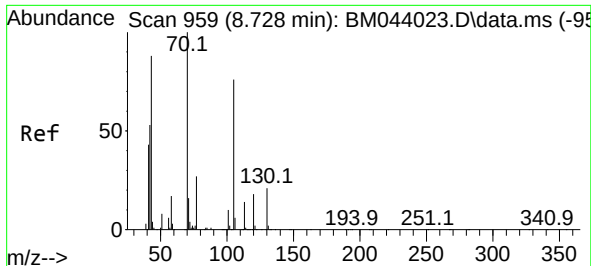
Tgt Ion:	107	Resp:	159165
Ion	Ratio	Lower	Upper
107	100		
108	118.8	93.4	140.2
77	44.2	34.7	52.1
79	43.3	32.7	49.1



#18
Hexachloroethane
Concen: 5.751 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:	117	Resp:	83516
Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.7	113.5
201	93.1	71.5	107.3

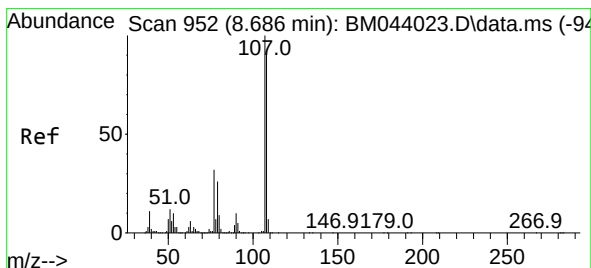
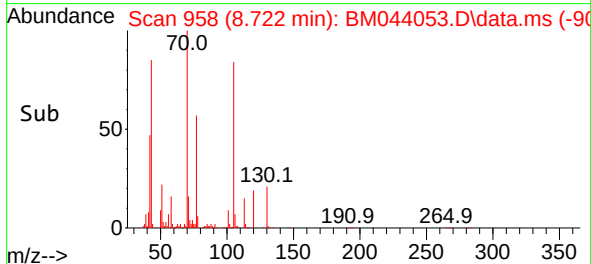
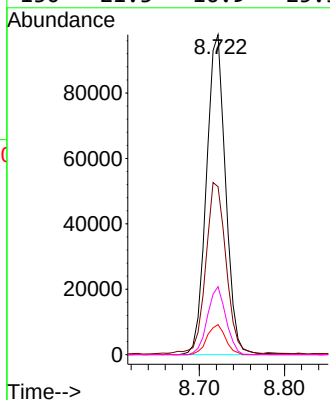
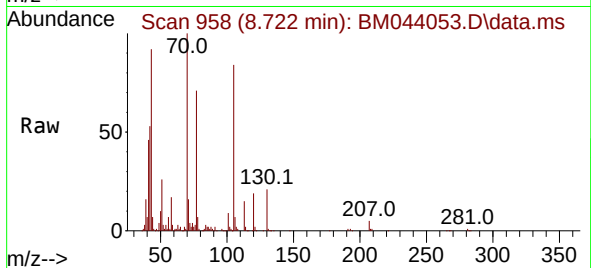




#19
n-Nitroso-di-n-propylamine
Concen: 6.039 ng
RT: 8.722 min Scan# 911
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

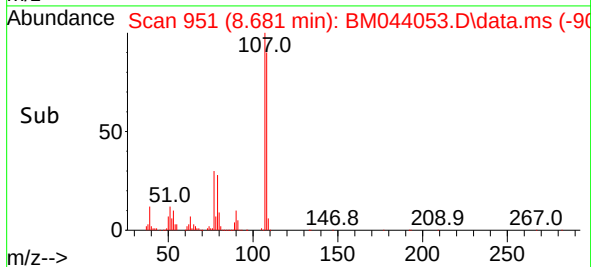
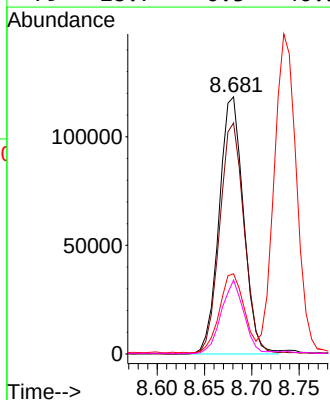
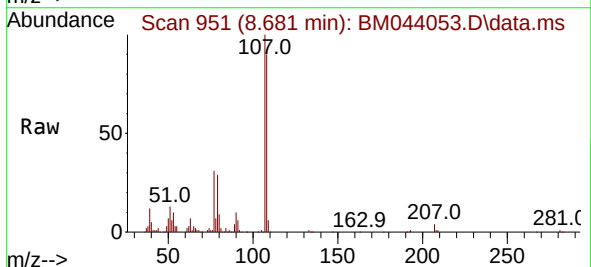
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

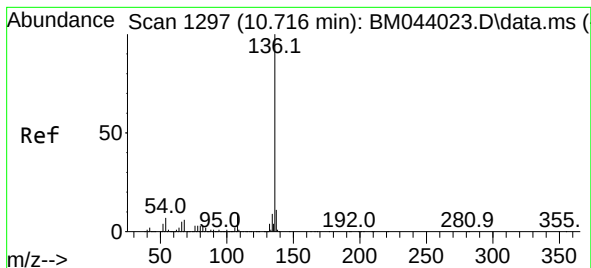
Tgt Ion:	70	Resp:	153119
Ion	Ratio	Lower	Upper
70	100		
42	52.5	42.6	64.0
101	9.4	7.8	11.6
130	21.3	16.9	25.3



#20
3+4-Methylphenols
Concen: 5.620 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:	107	Resp:	211590
Ion	Ratio	Lower	Upper
107	100		
108	89.9	71.5	111.5
77	31.2	11.8	51.8
79	28.7	6.3	46.3

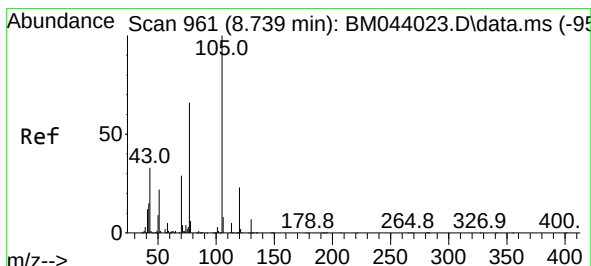
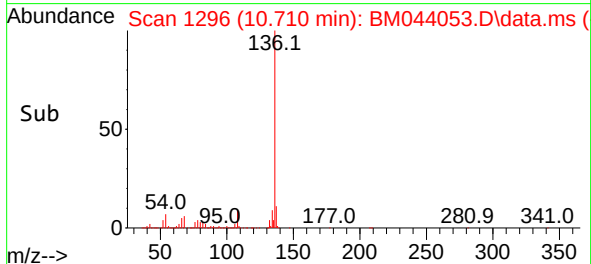
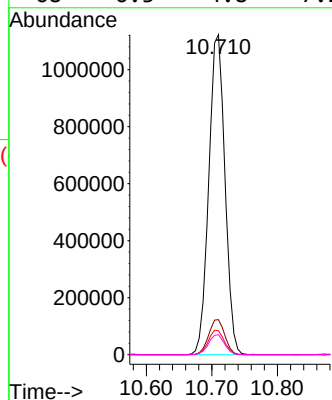
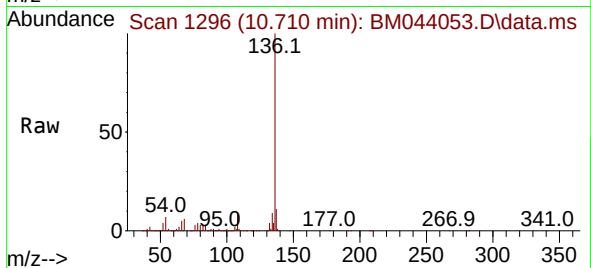




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

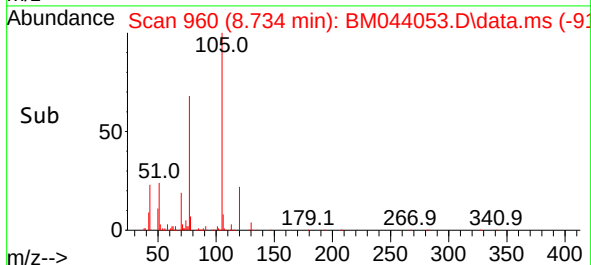
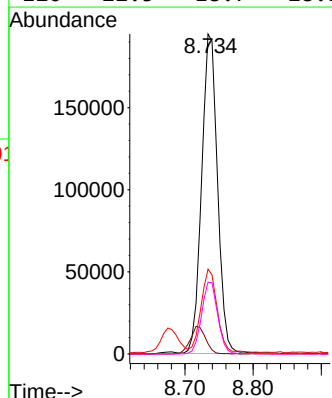
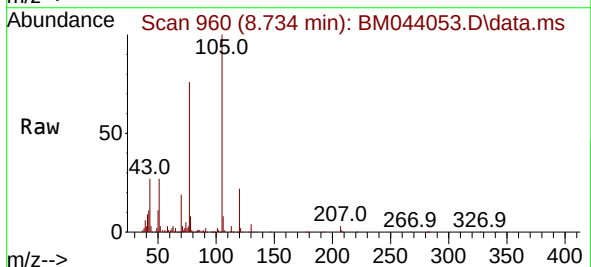
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

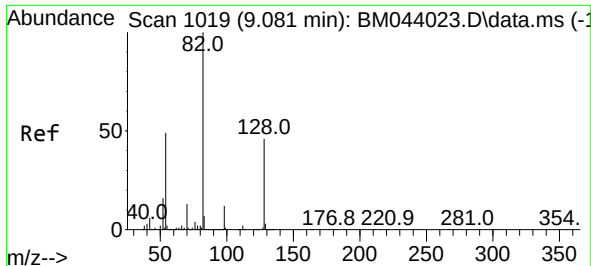
Tgt Ion:136 Resp: 1926225
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 5.9 8.9
68 6.3 4.8 7.2



#22
Acetophenone
Concen: 6.440 ng
RT: 8.734 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:105 Resp: 314855
Ion Ratio Lower Upper
105 100
71 3.2 4.0 6.0#
51 26.5 20.1 30.1
120 22.5 18.7 28.1

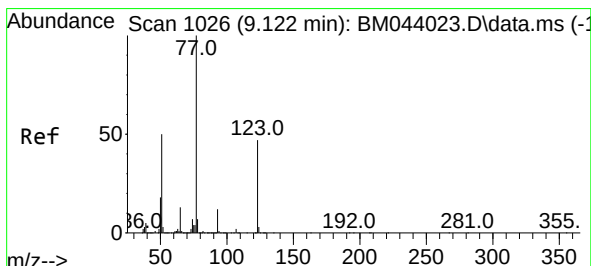
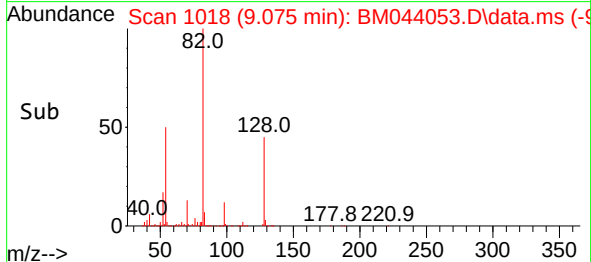
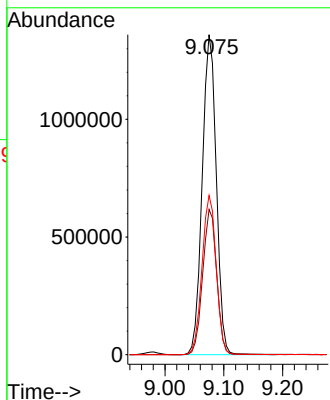
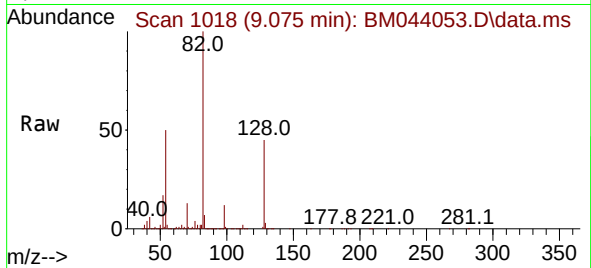




#23
Nitrobenzene-d5
Concen: 62.199 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

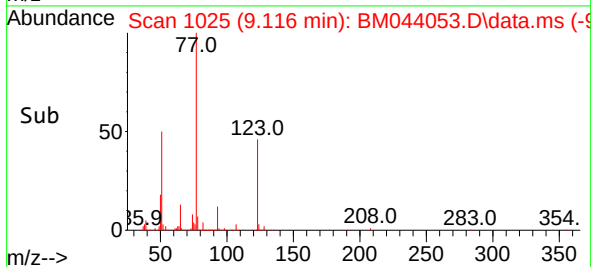
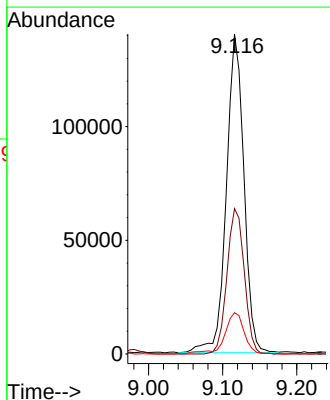
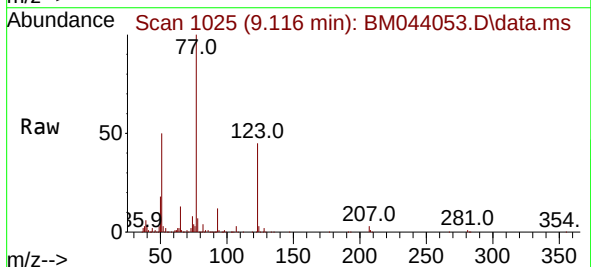
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

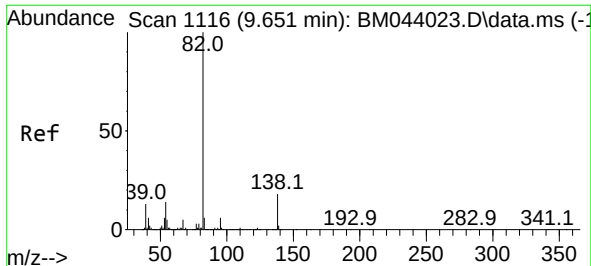
Tgt Ion: 82 Resp: 2257829
Ion Ratio Lower Upper
82 100
128 45.4 37.1 55.7
54 49.8 38.9 58.3



#24
Nitrobenzene
Concen: 6.201 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion: 77 Resp: 230507
Ion Ratio Lower Upper
77 100
123 45.4 37.8 56.8
65 12.9 10.5 15.7





#25

Isophorone

Concen: 5.696 ng

RT: 9.639 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

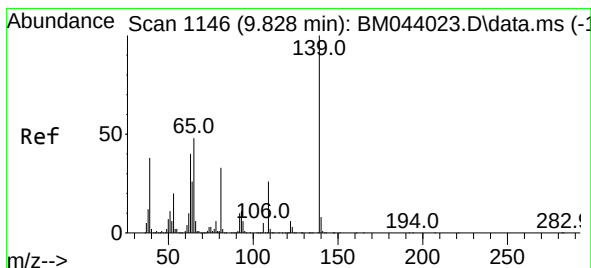
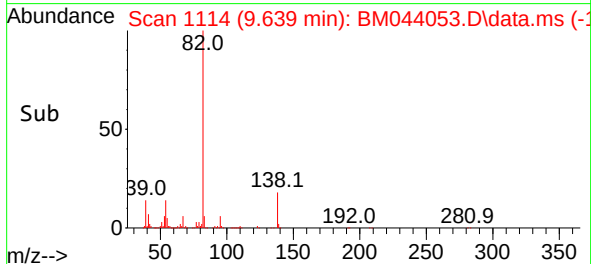
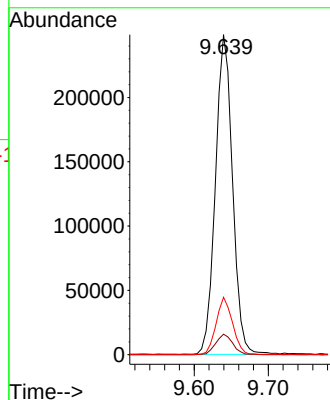
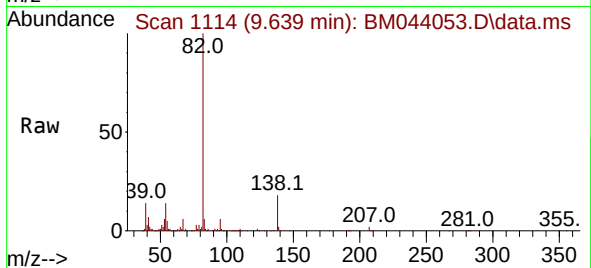
Tgt Ion: 82 Resp: 398108

Ion Ratio Lower Upper

82 100

95 6.4 5.2 7.8

138 17.9 14.3 21.5



#26

2-Nitrophenol

Concen: 5.058 ng

RT: 9.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

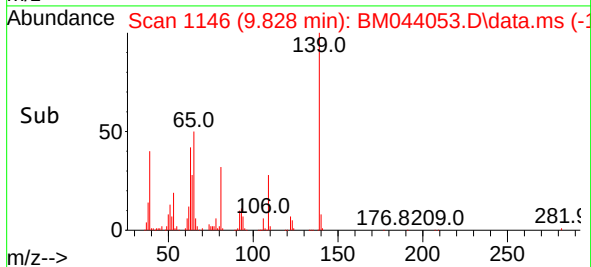
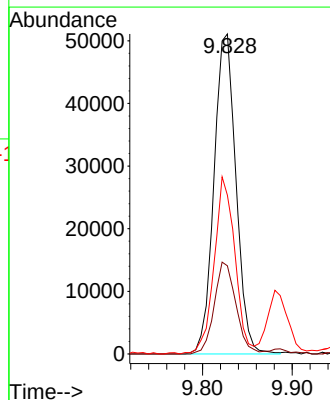
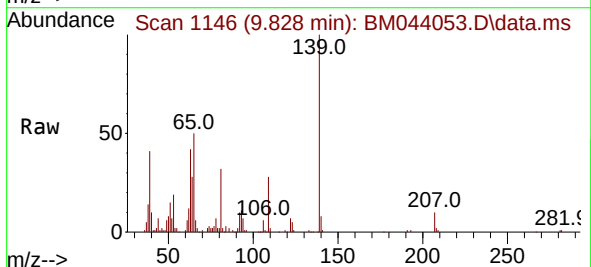
Tgt Ion:139 Resp: 87173

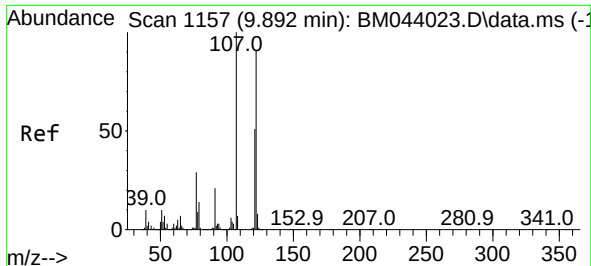
Ion Ratio Lower Upper

139 100

109 27.5 21.2 31.8

65 49.6 38.5 57.7

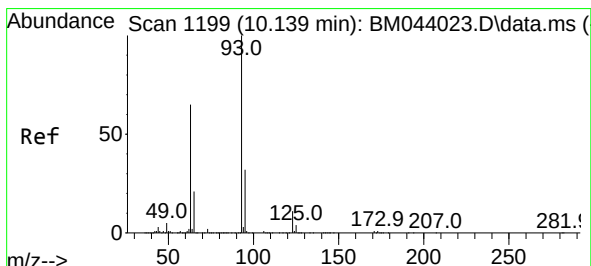
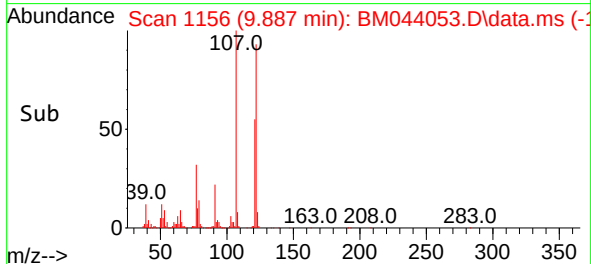
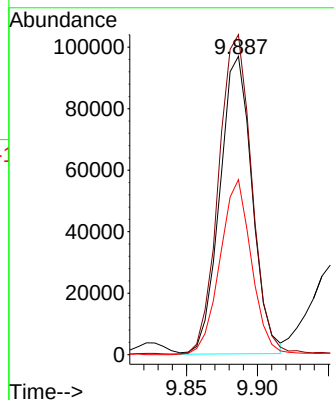
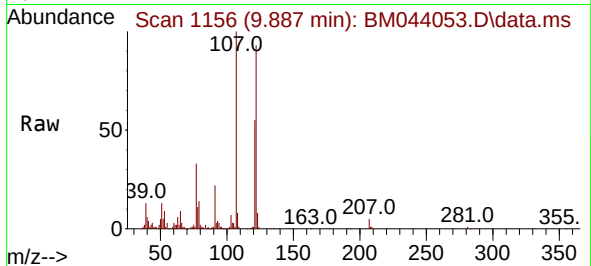




#27
2,4-Dimethylphenol
Concen: 6.964 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

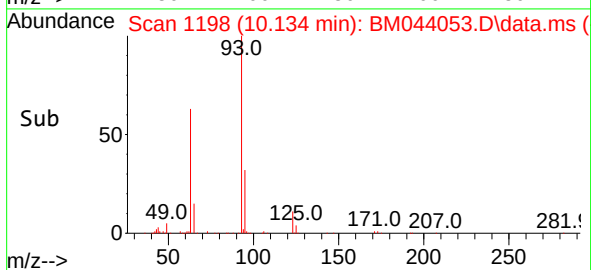
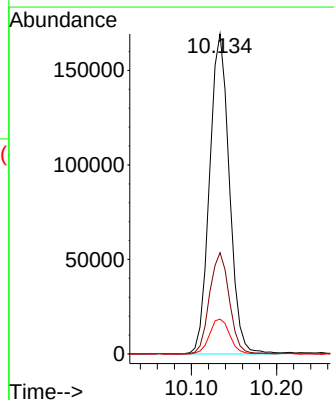
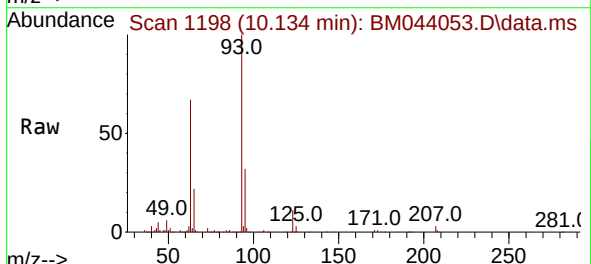
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

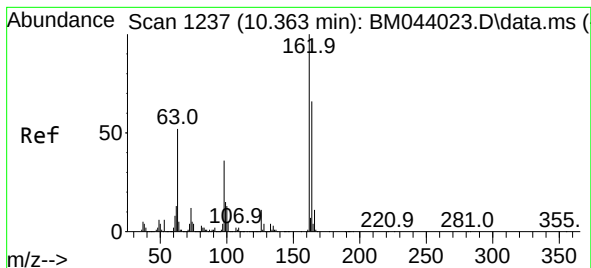
Tgt Ion:122 Resp: 153470
Ion Ratio Lower Upper
122 100
107 107.2 87.8 131.8
121 58.6 44.7 67.1



#28
bis(2-Chloroethoxy)methane
Concen: 6.043 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion: 93 Resp: 273188
Ion Ratio Lower Upper
93 100
95 31.6 26.0 39.0
123 10.9 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 5.572 ng

RT: 10.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

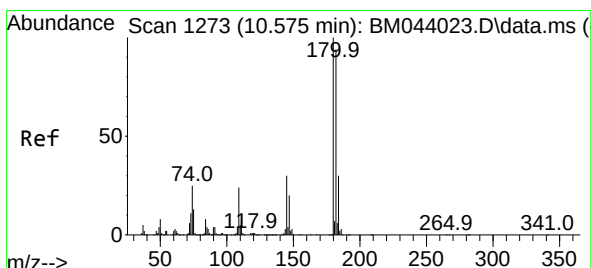
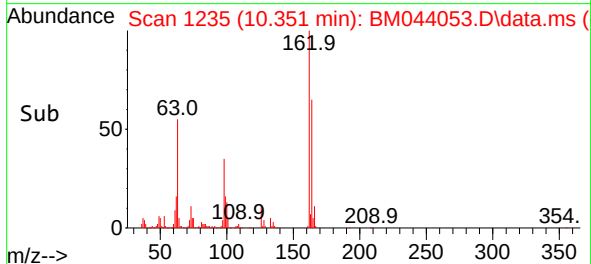
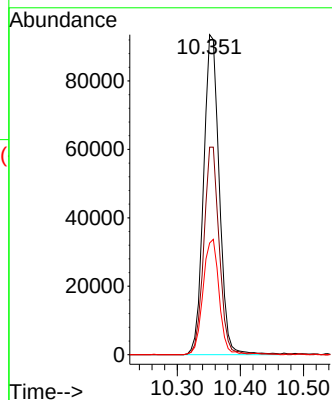
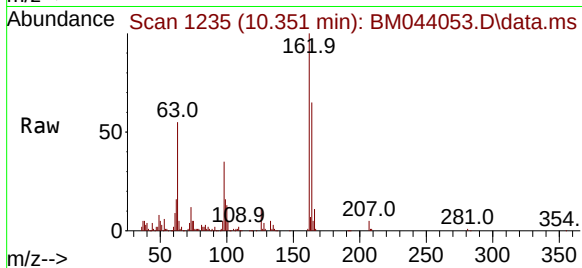
Tgt Ion:162 Resp: 161651

Ion Ratio Lower Upper

162 100

164 64.9 46.1 86.1

98 34.9 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 5.947 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

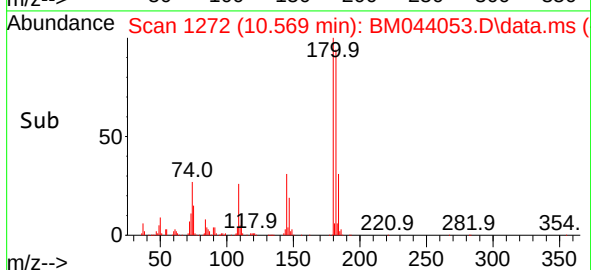
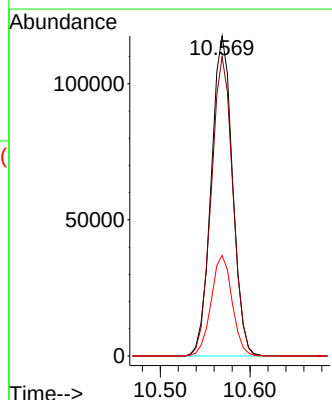
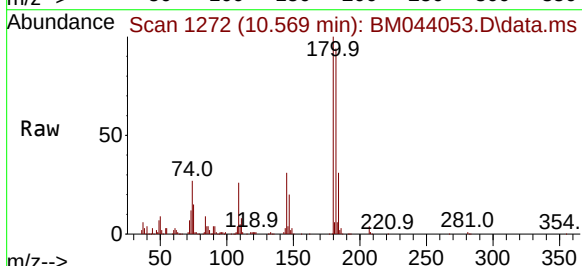
Tgt Ion:180 Resp: 194010

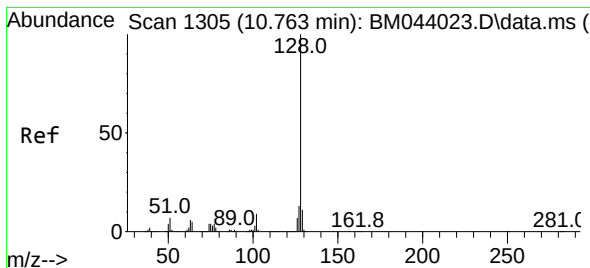
Ion Ratio Lower Upper

180 100

182 93.5 75.2 112.8

145 31.4 24.3 36.5





#31

Naphthalene

Concen: 5.992 ng

RT: 10.757 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

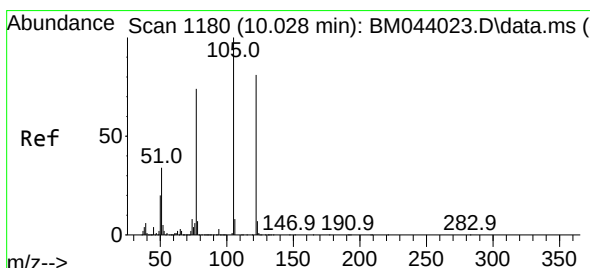
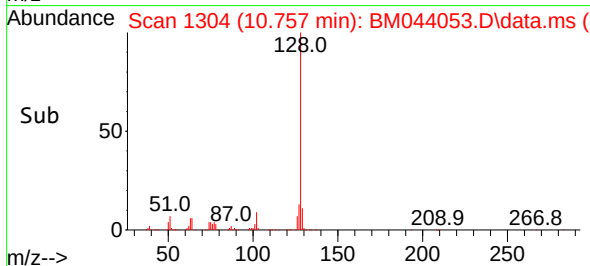
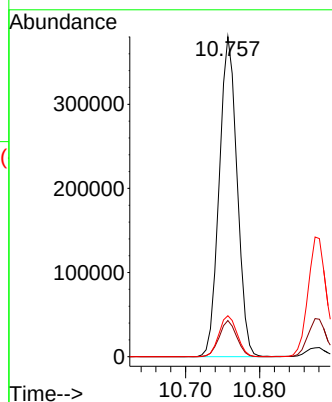
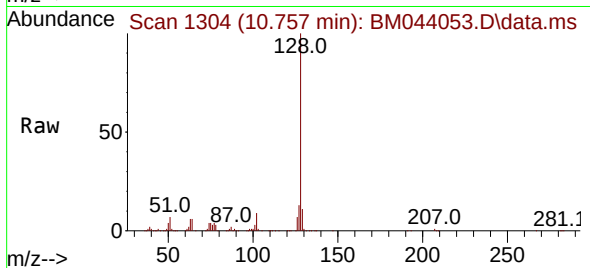
Tgt Ion:128 Resp: 636990

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

127 12.8 10.3 15.5



#32

Benzoic acid

Concen: 3.052 ng

RT: 9.957 min Scan# 1168

Delta R.T. -0.071 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

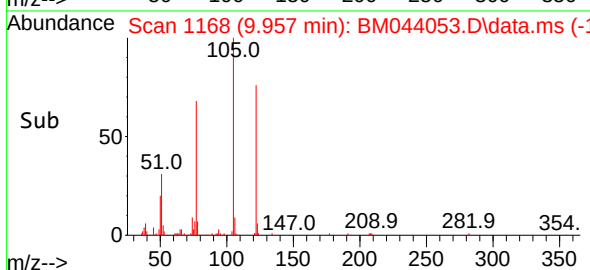
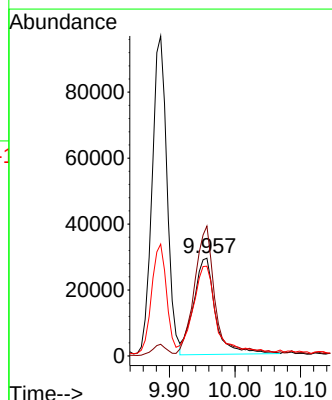
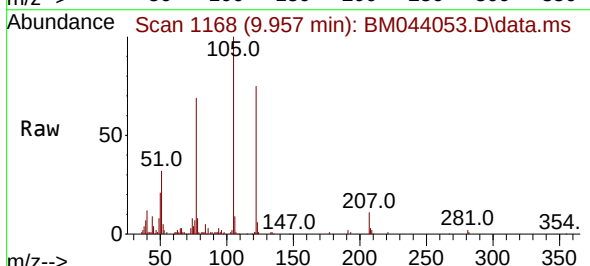
Tgt Ion:122 Resp: 67742

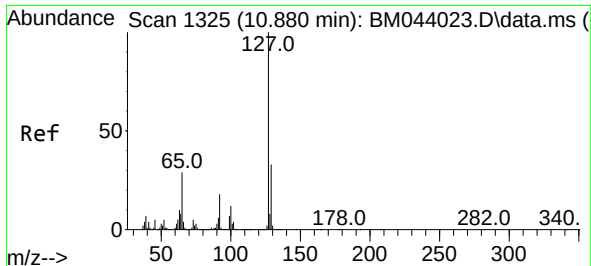
Ion Ratio Lower Upper

122 100

105 133.0 100.1 140.1

77 91.9 69.6 109.6

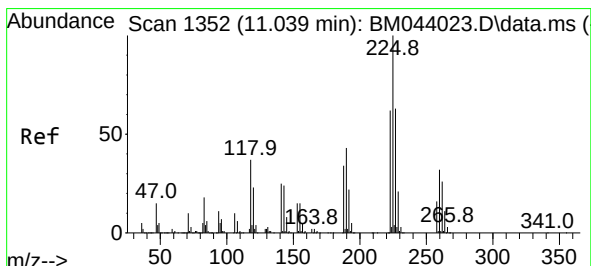
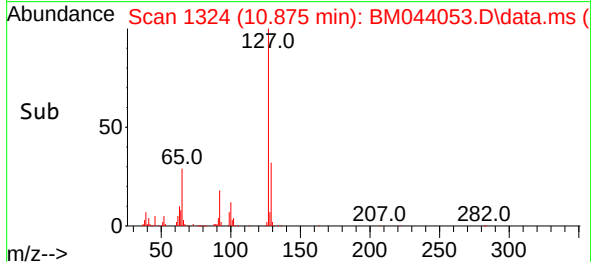
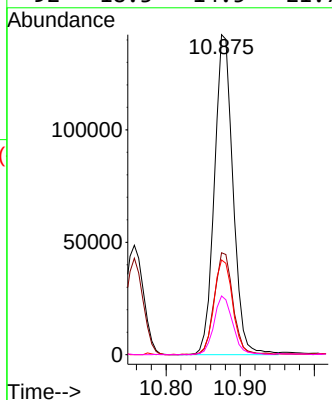
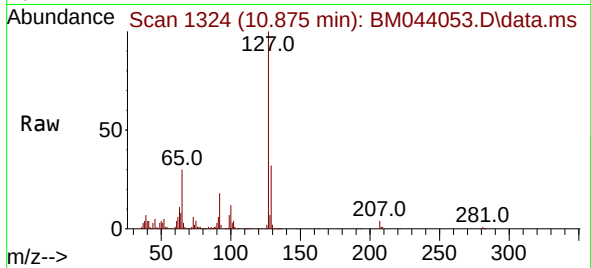




#33
4-Chloroaniline
Concen: 6.161 ng
RT: 10.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

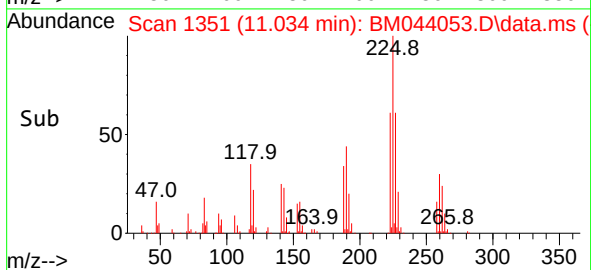
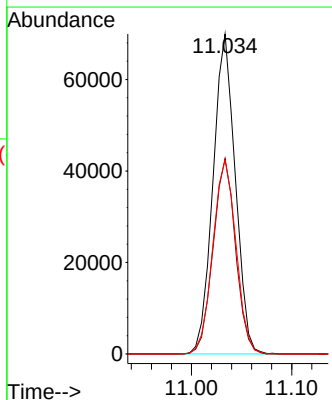
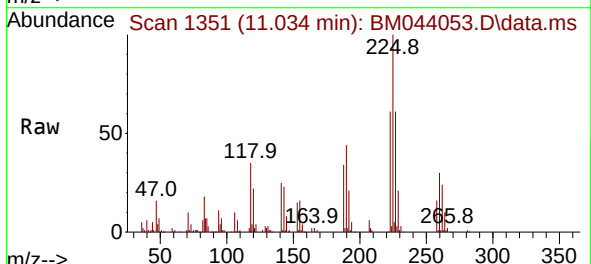
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

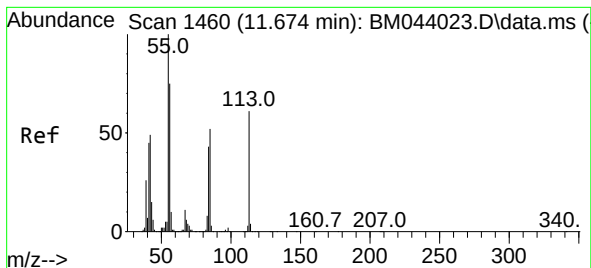
Tgt Ion:	127	Resp:	248023
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.0	39.0
65	29.6	23.0	34.6
92	18.3	14.5	21.7



#34
Hexachlorobutadiene
Concen: 5.780 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:	225	Resp:	107945
Ion	Ratio	Lower	Upper
225	100		
223	61.1	49.9	74.9
227	60.6	50.6	76.0





#35

Caprolactam

Concen: 4.804 ng

RT: 11.645 min Scan# 1455

Delta R.T. -0.029 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

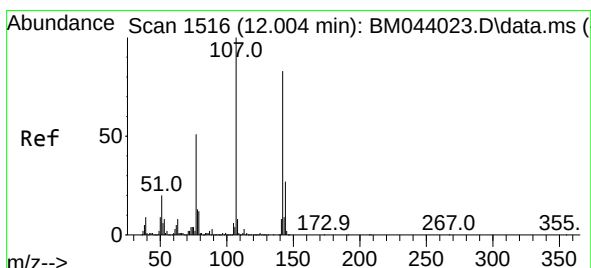
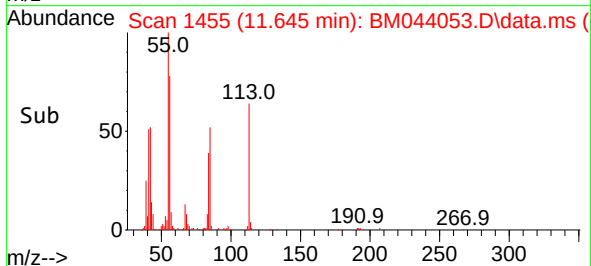
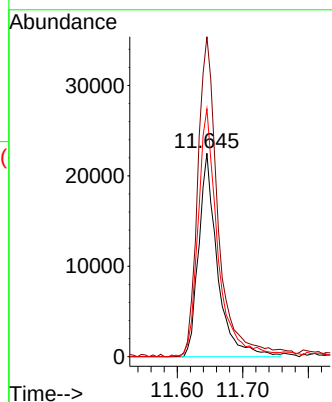
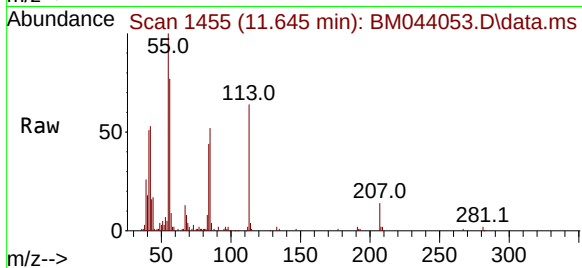
Tgt Ion:113 Resp: 44854

Ion Ratio Lower Upper

113 100

55 157.3 145.6 185.6

56 121.8 103.3 143.3



#36

4-Chloro-3-methylphenol

Concen: 5.393 ng

RT: 11.998 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

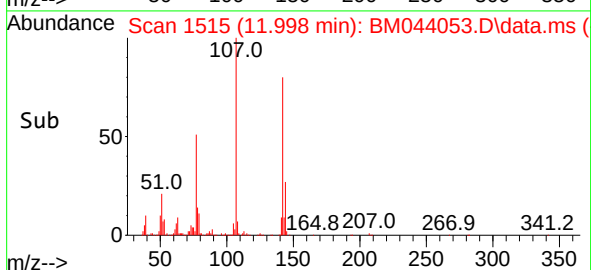
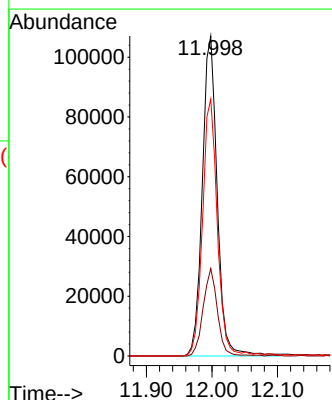
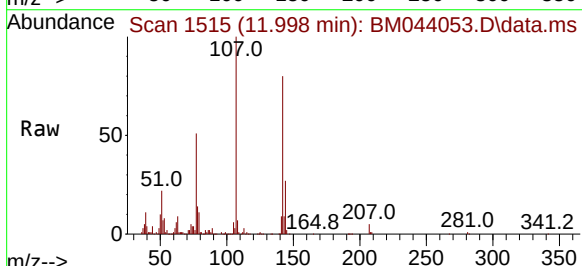
Tgt Ion:107 Resp: 169446

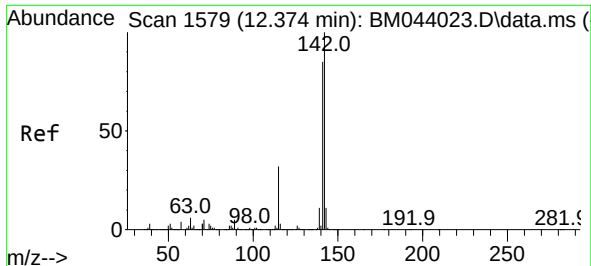
Ion Ratio Lower Upper

107 100

144 27.3 21.3 31.9

142 80.3 66.2 99.4

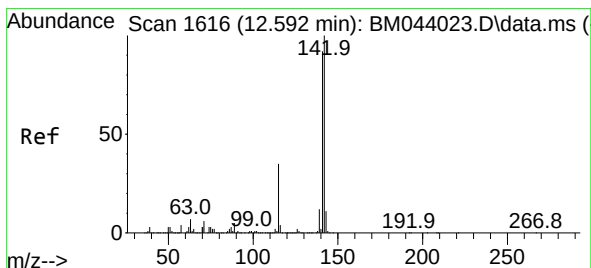
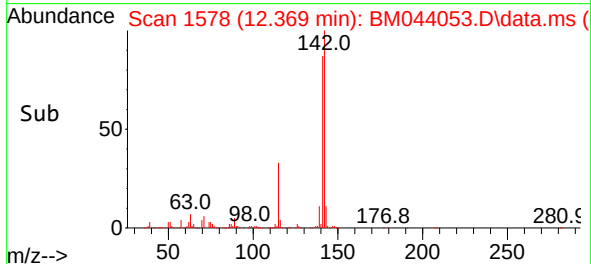
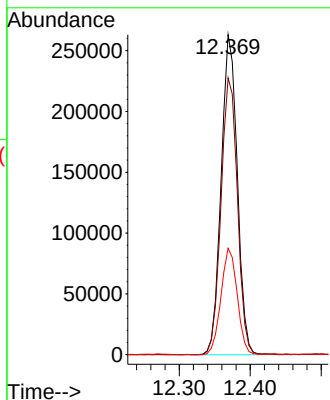
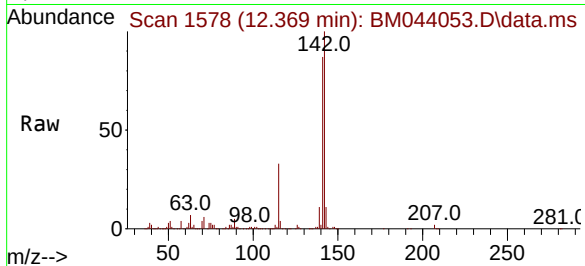




#37
2-Methylnaphthalene
Concen: 5.843 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

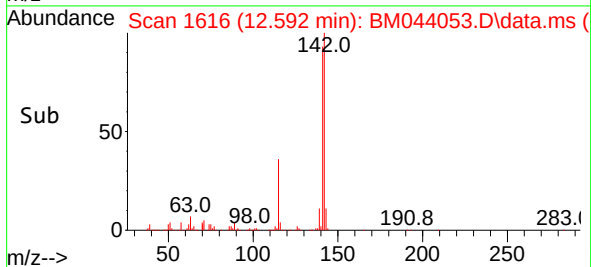
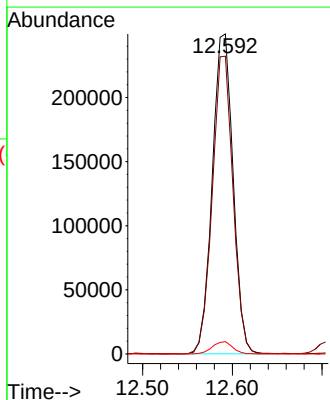
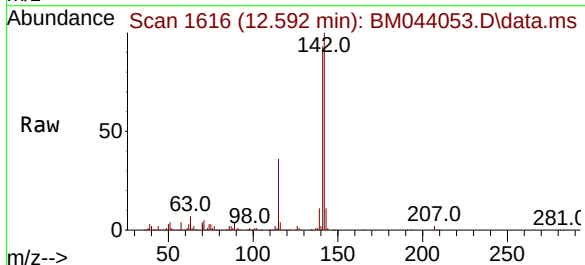
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

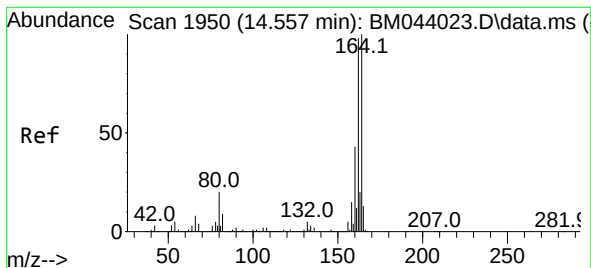
Tgt Ion:142 Resp: 413800
Ion Ratio Lower Upper
142 100
141 86.5 68.3 102.5
115 33.2 25.7 38.5



#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 12.592 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:142 Resp: 401324
Ion Ratio Lower Upper
142 100
141 93.1 73.4 110.0
116 3.8 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: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

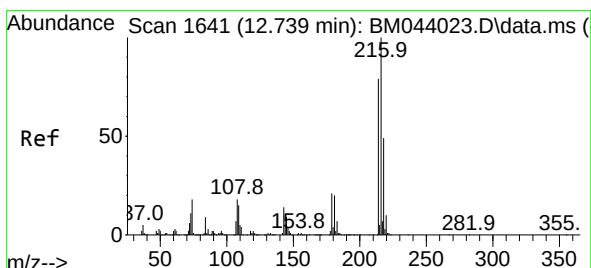
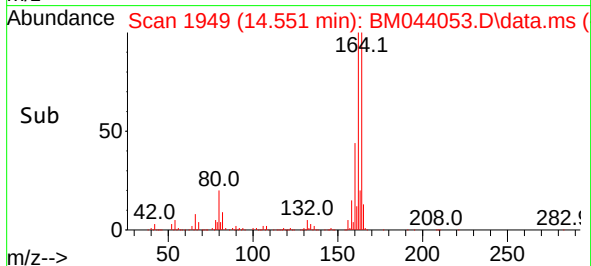
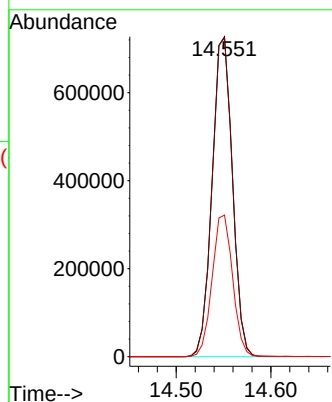
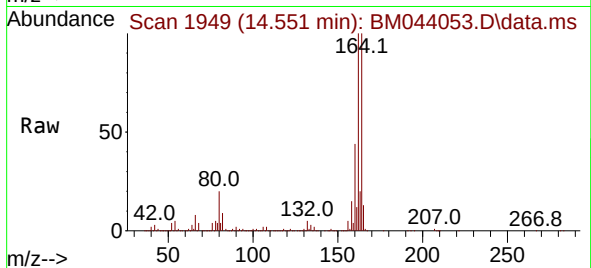
Tgt Ion:164 Resp: 1082116

Ion Ratio Lower Upper

164 100

162 99.6 78.4 117.6

160 44.2 34.6 51.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.218 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Tgt Ion:216 Resp: 195572

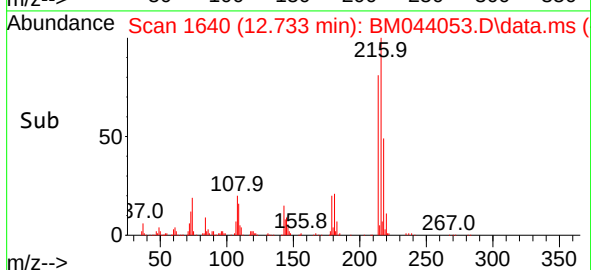
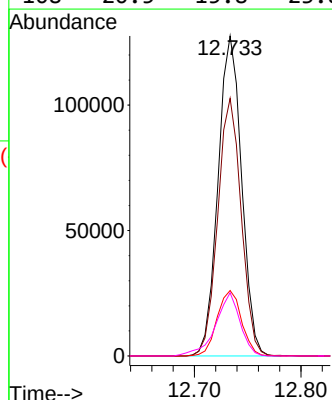
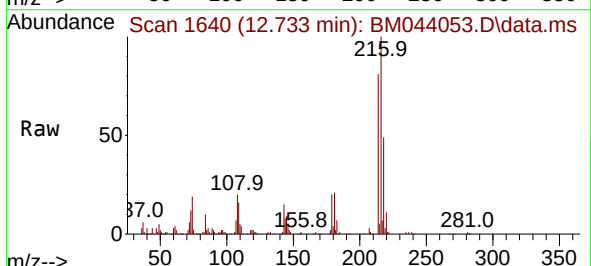
Ion Ratio Lower Upper

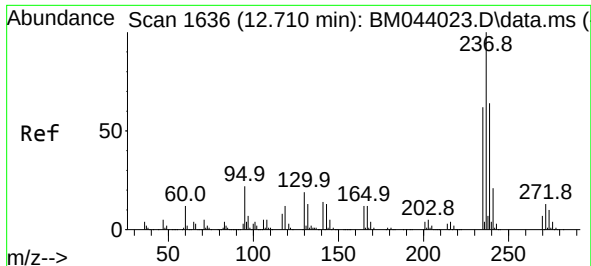
216 100

214 80.2 63.1 94.7

179 21.3 17.0 25.6

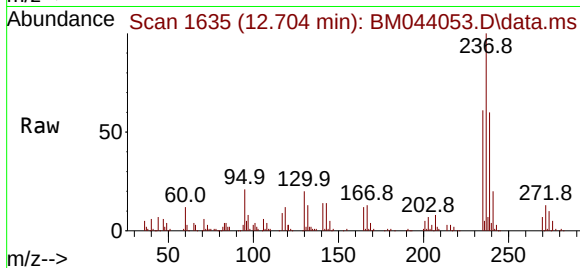
108 20.5 15.8 23.8



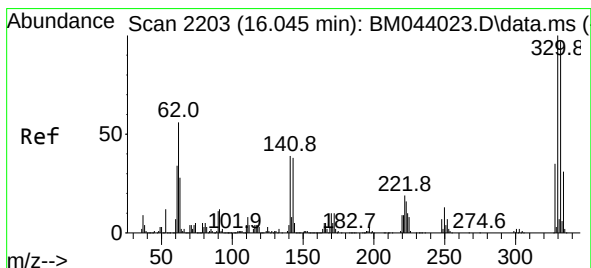
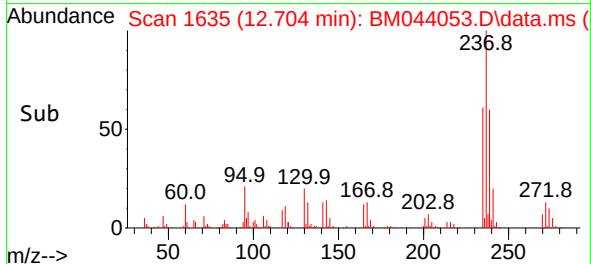
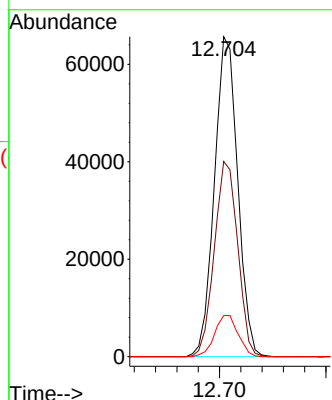


#41
Hexachlorocyclopentadiene
Concen: 7.264 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

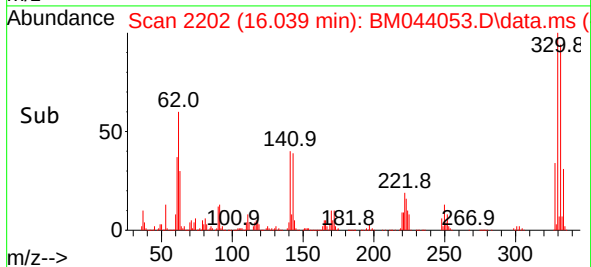
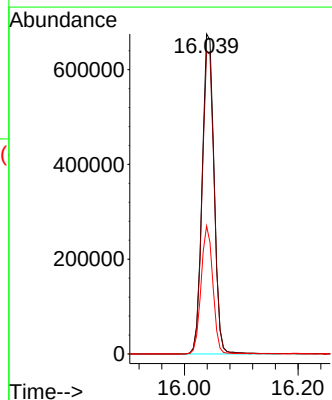
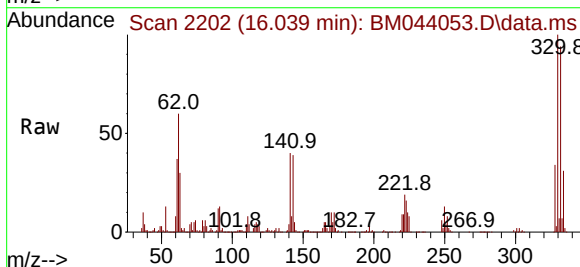


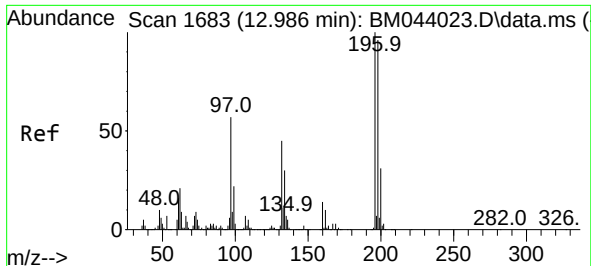
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.0	42.4	82.4
272	12.8	0.0	33.3



#42
2,4,6-Tribromophenol
Concen: 84.092 ng
RT: 16.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.7	116.5
141	39.5	31.0	46.4

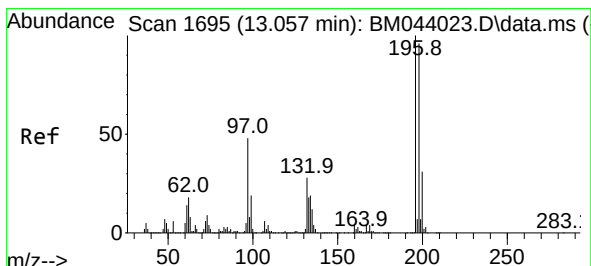
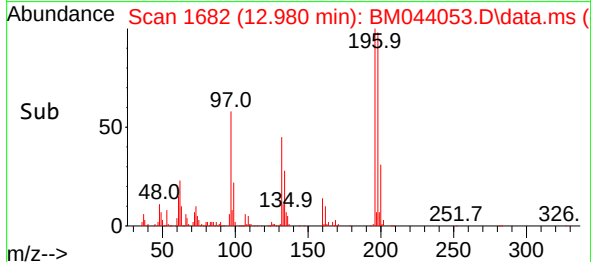
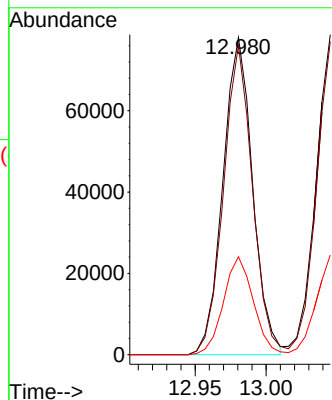
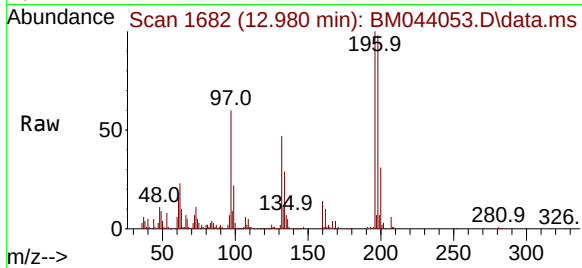




#43
2,4,6-Trichlorophenol
Concen: 5.307 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

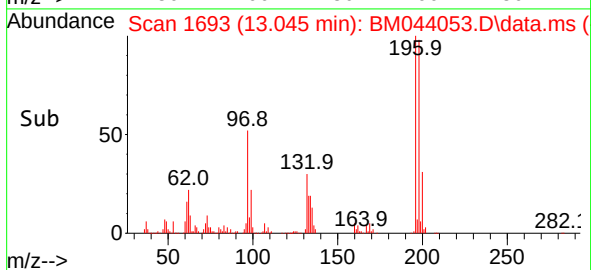
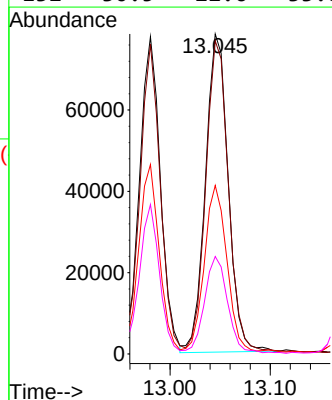
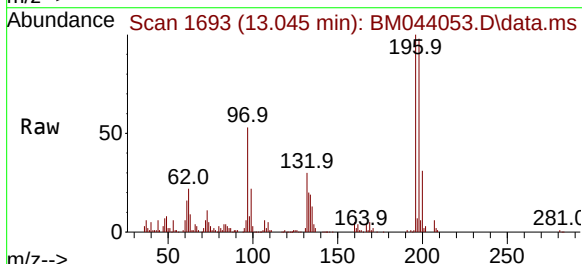
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

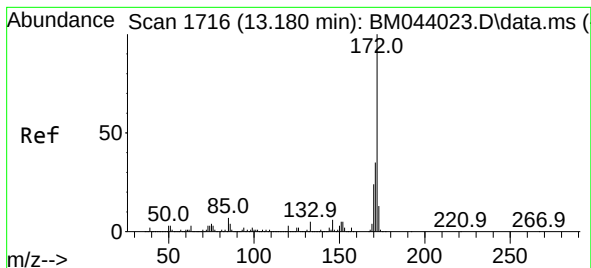
Tgt Ion:196 Resp: 113600
Ion Ratio Lower Upper
196 100
198 97.6 76.8 115.2
200 30.9 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 5.272 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:196 Resp: 123832
Ion Ratio Lower Upper
196 100
198 97.9 76.9 115.3
97 52.7 39.0 58.4
132 30.5 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 61.975 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

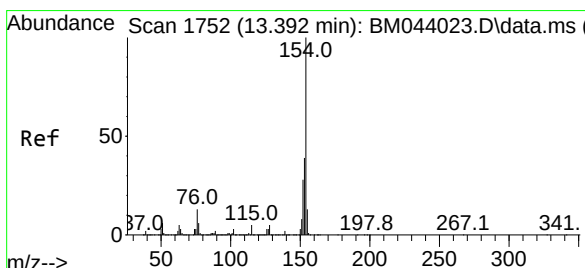
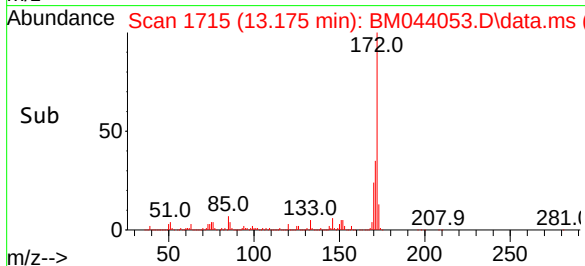
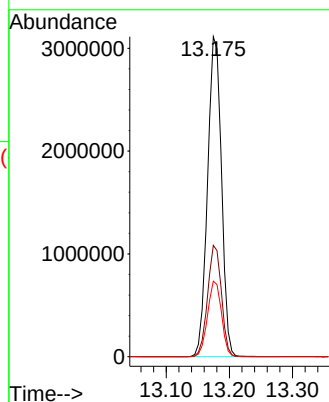
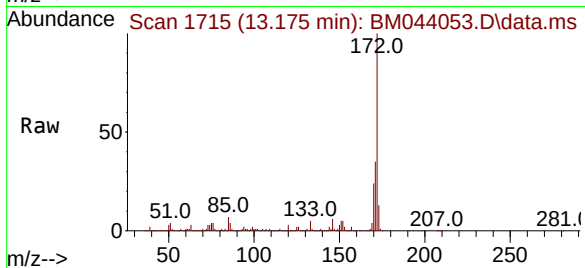
Tgt Ion:172 Resp: 4751835

Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 23.6 19.0 28.4



#46

1,1'-Biphenyl

Concen: 6.413 ng

RT: 13.386 min Scan# 1751

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

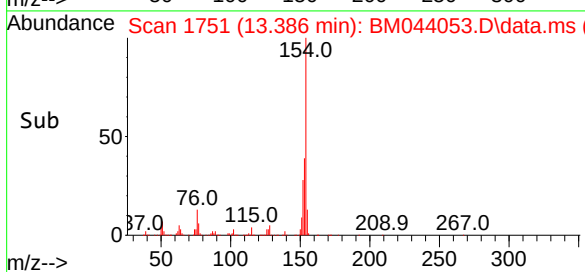
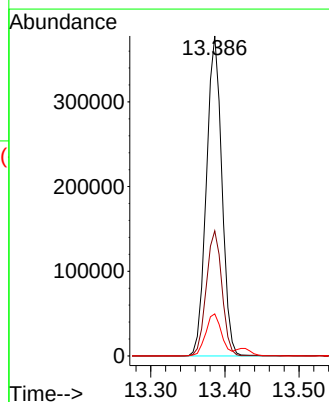
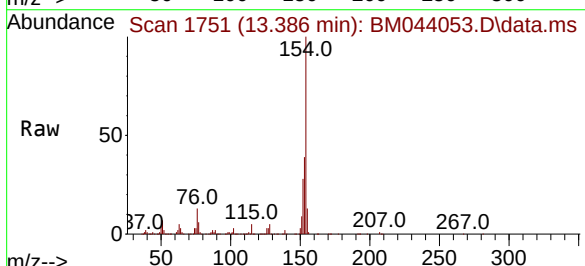
Tgt Ion:154 Resp: 547584

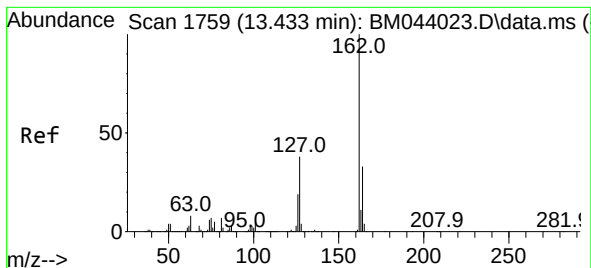
Ion Ratio Lower Upper

154 100

153 39.1 19.4 59.4

76 13.2 0.0 32.9





#47

2-Chloronaphthalene

Concen: 6.123 ng

RT: 13.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

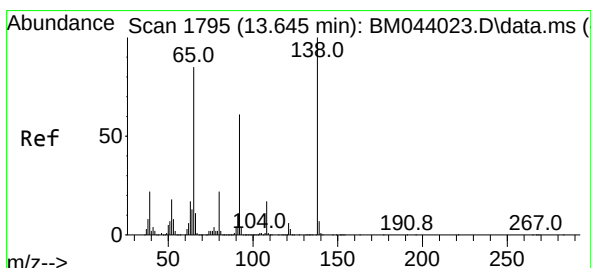
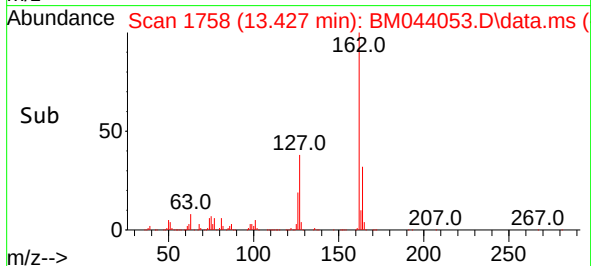
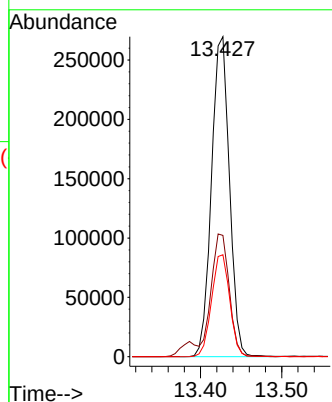
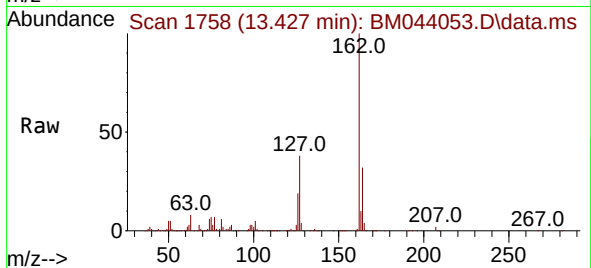
Tgt Ion:162 Resp: 414157

Ion Ratio Lower Upper

162 100

127 37.9 30.9 46.3

164 31.9 26.4 39.6



#48

2-Nitroaniline

Concen: 5.353 ng

RT: 13.639 min Scan# 1794

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

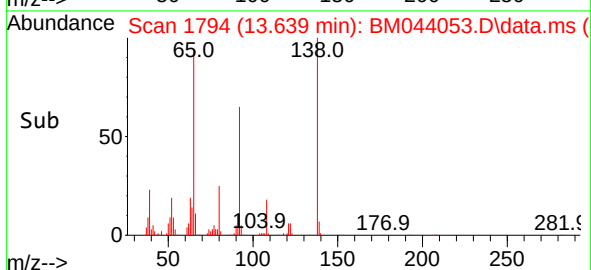
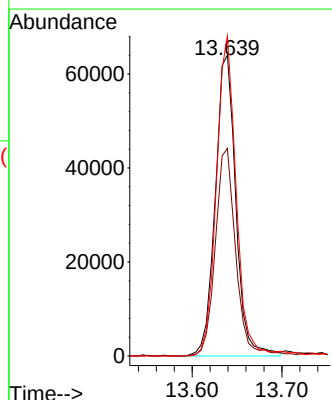
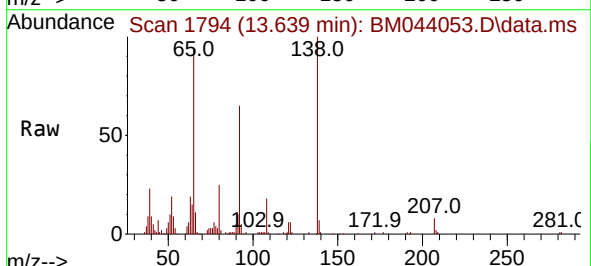
Tgt Ion: 65 Resp: 101867

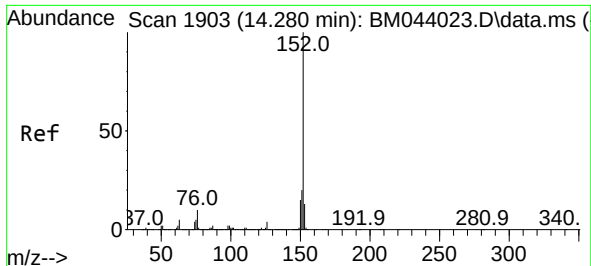
Ion Ratio Lower Upper

65 100

92 69.0 58.1 87.1

138 106.3 94.6 142.0

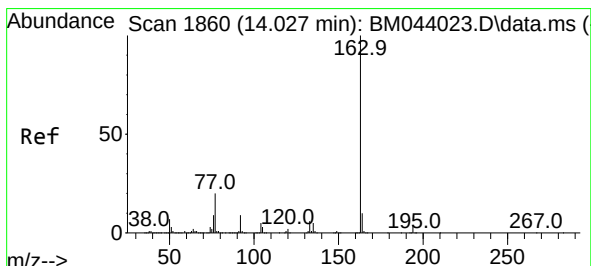
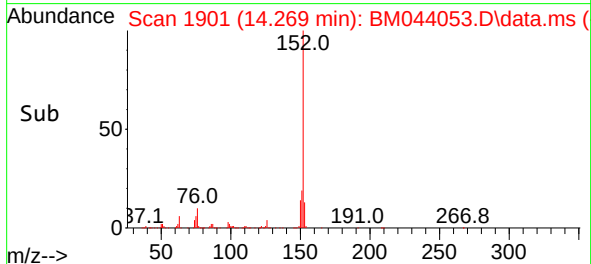
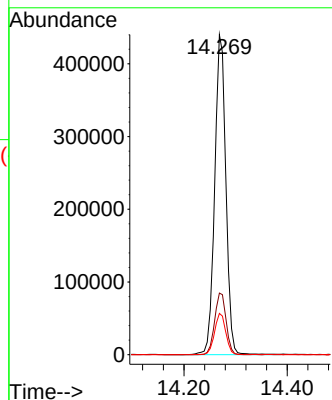
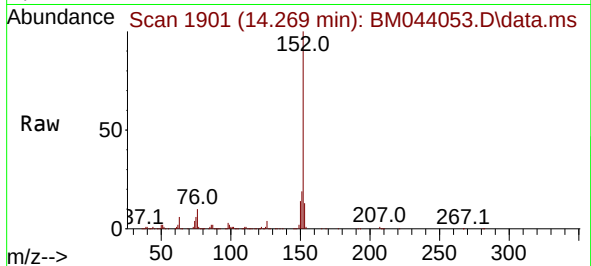




#49
Acenaphthylene
Concen: 6.534 ng
RT: 14.269 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

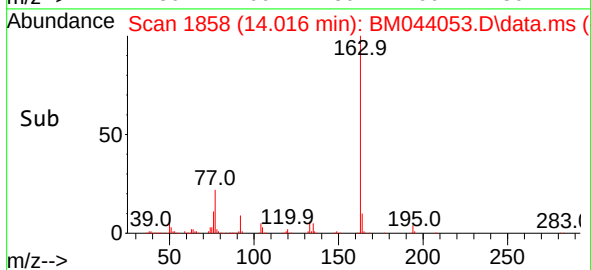
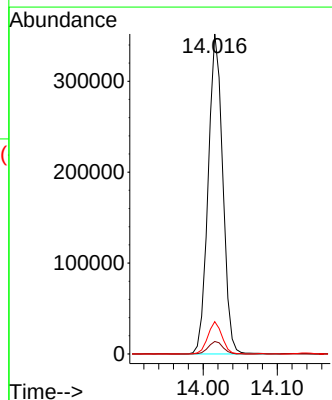
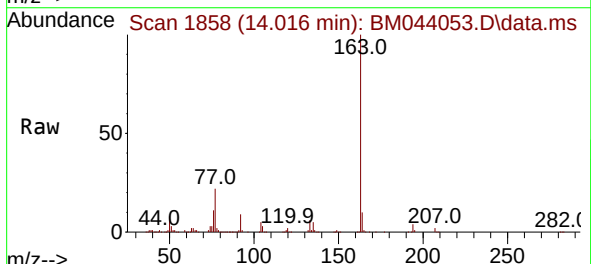
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

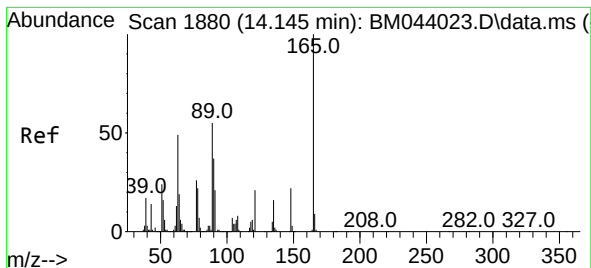
Tgt Ion:152 Resp: 659291
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 12.9 10.5 15.7



#50
Dimethylphthalate
Concen: 5.996 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:163 Resp: 481070
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 5.248 ng

RT: 14.139 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

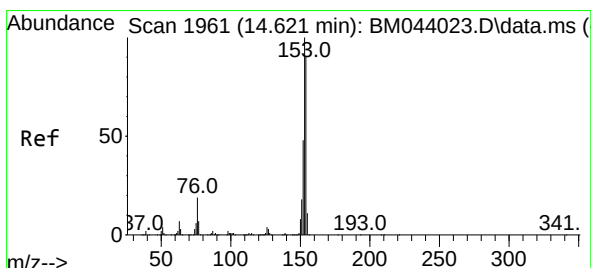
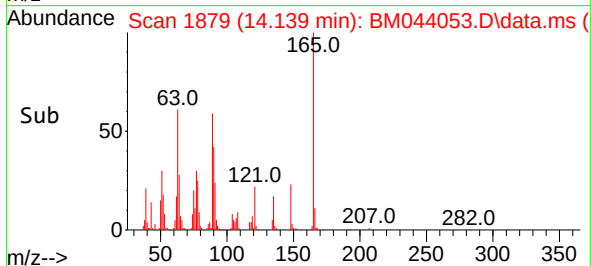
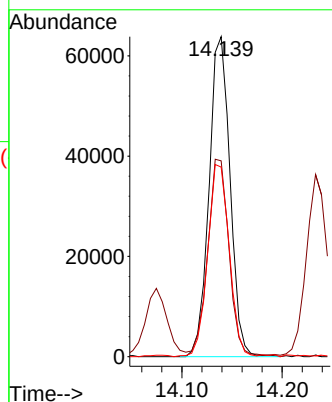
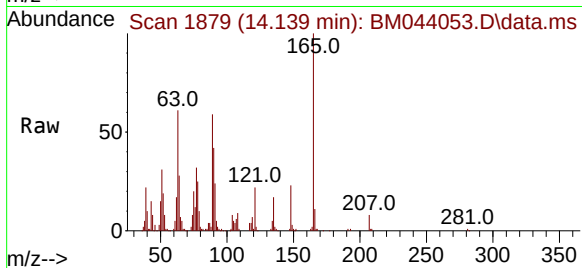
Tgt Ion:165 Resp: 92889

Ion Ratio Lower Upper

165 100

63 61.2 43.5 65.3

89 59.3 44.4 66.6



#52

Acenaphthene

Concen: 6.057 ng

RT: 14.610 min Scan# 1959

Delta R.T. -0.012 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

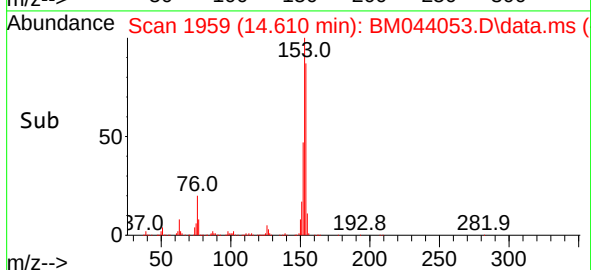
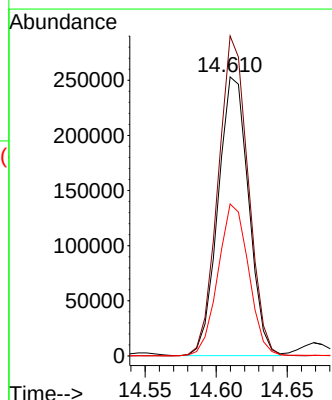
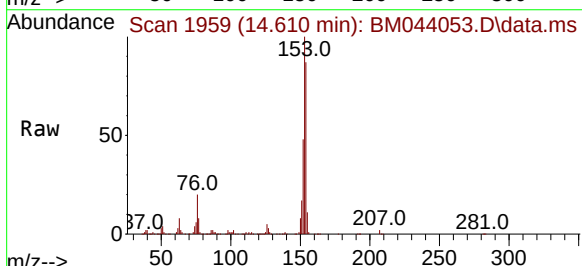
Tgt Ion:154 Resp: 378269

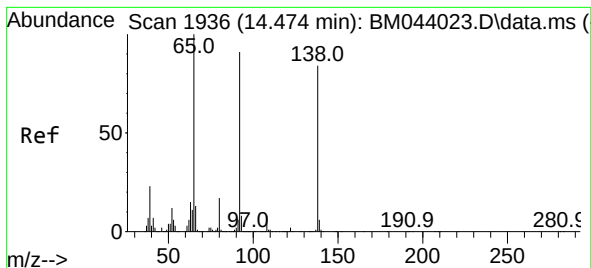
Ion Ratio Lower Upper

154 100

153 114.7 89.3 133.9

152 54.5 43.0 64.6

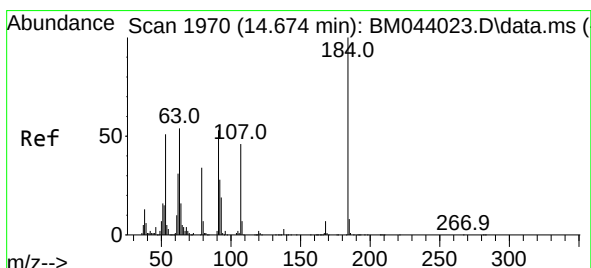
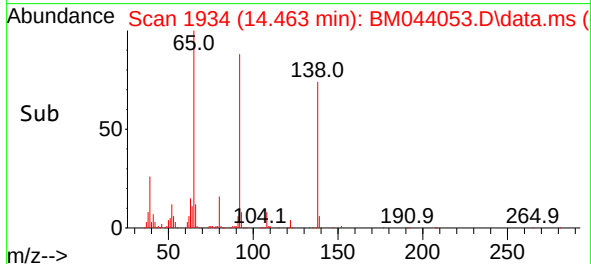
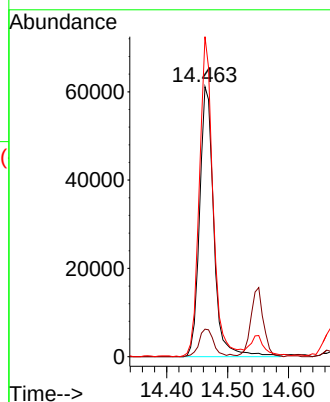
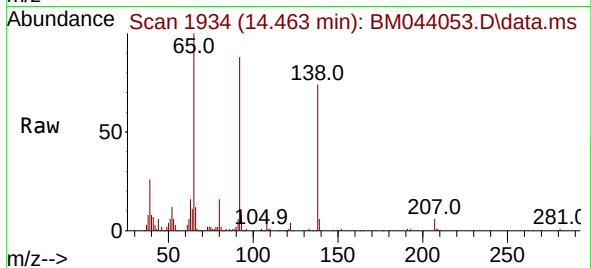




#53
3-Nitroaniline
Concen: 5.223 ng
RT: 14.463 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

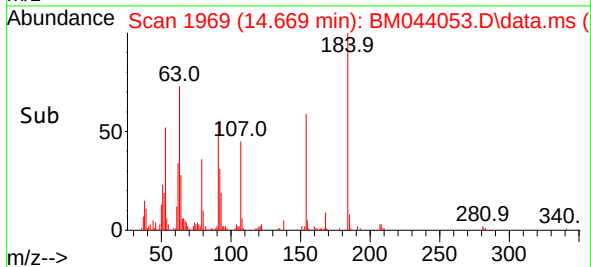
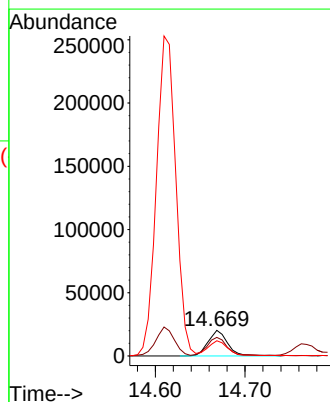
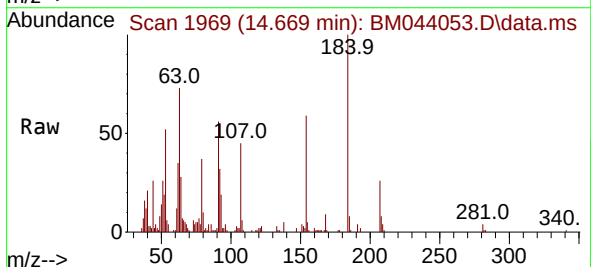
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

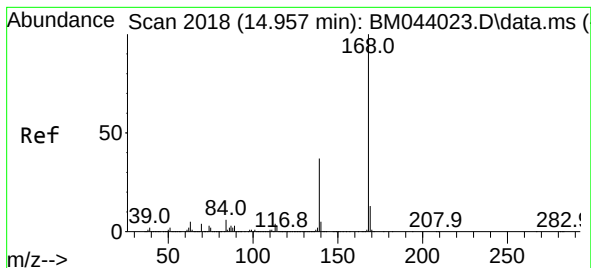
Tgt Ion:138 Resp: 99355
Ion Ratio Lower Upper
138 100
108 10.2 7.6 11.4
92 118.5 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 8.274 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.005 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:184 Resp: 30692
Ion Ratio Lower Upper
184 100
63 72.6 55.4 83.2
154 59.4 49.2 73.8





#55

Dibenzenofuran

Concen: 6.337 ng

RT: 14.951 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

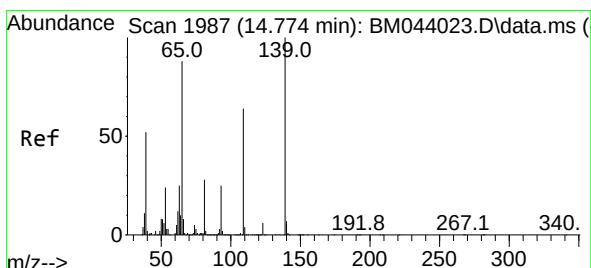
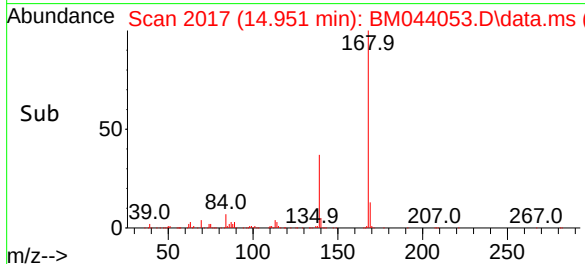
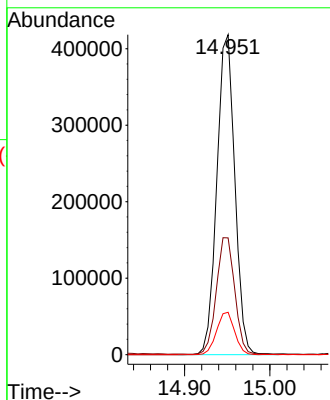
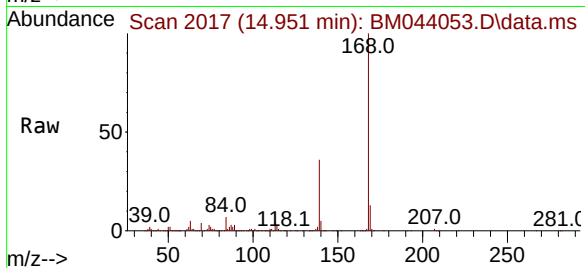
Tgt Ion:168 Resp: 612602

Ion Ratio Lower Upper

168 100

139 36.5 29.6 44.4

169 13.3 10.5 15.7



#56

4-Nitrophenol

Concen: 4.335 ng

RT: 14.769 min Scan# 1986

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

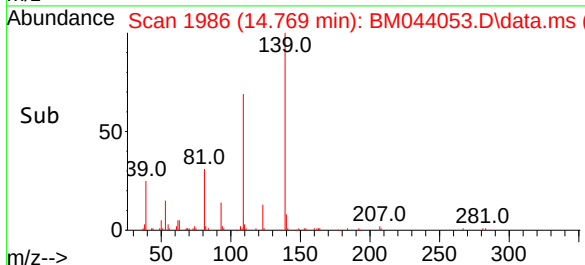
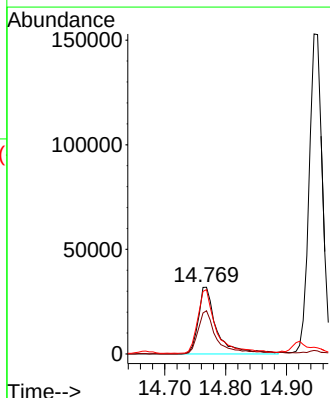
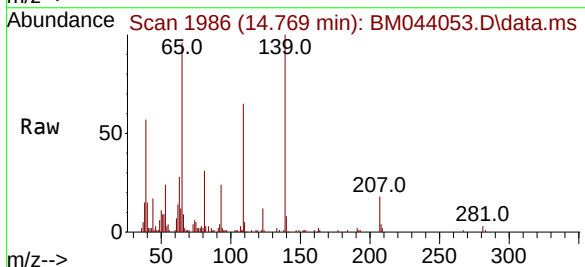
Tgt Ion:139 Resp: 67039

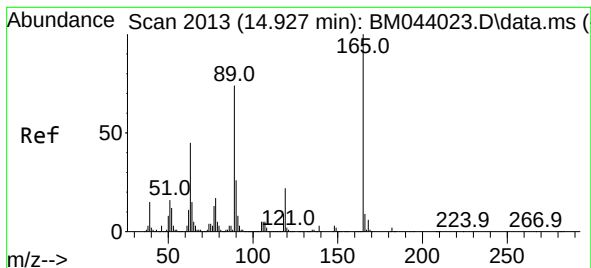
Ion Ratio Lower Upper

139 100

109 64.7 43.8 83.8

65 96.3 67.7 107.7





#57

2,4-Dinitrotoluene

Concen: 4.813 ng

RT: 14.922 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BM044053.D

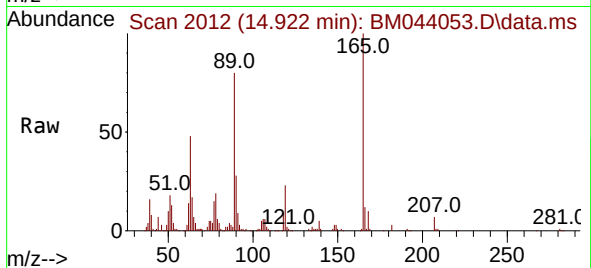
Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:165 Resp: 111352

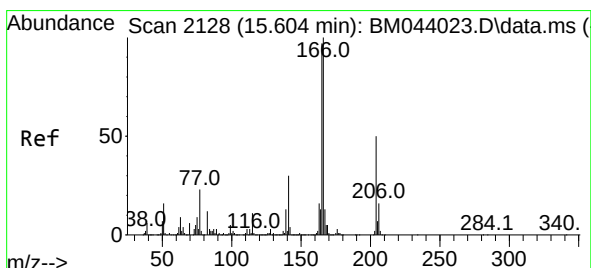
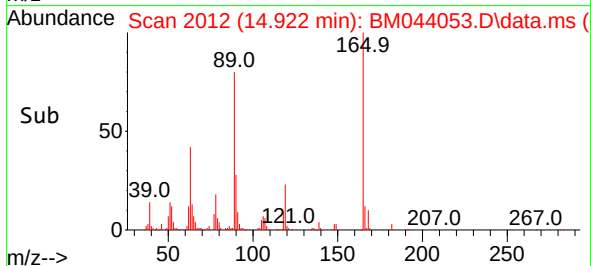
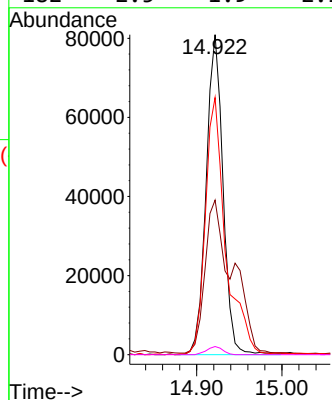
Ion Ratio Lower Upper

165 100

63 48.3 35.9 53.9

89 80.4 58.9 88.3

182 2.5 1.9 2.9



#58

Fluorene

Concen: 6.357 ng

RT: 15.598 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

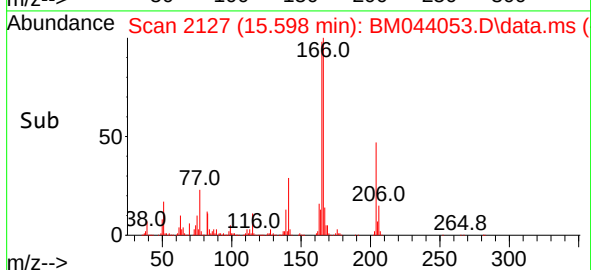
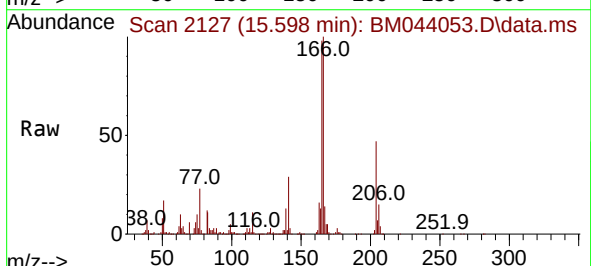
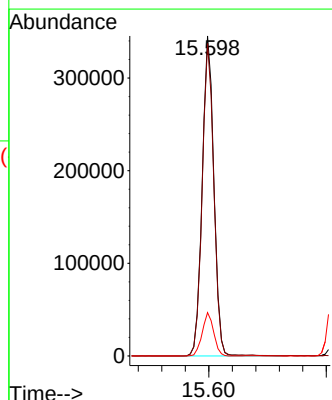
Tgt Ion:166 Resp: 474807

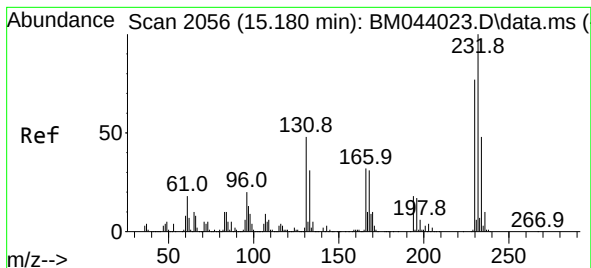
Ion Ratio Lower Upper

166 100

165 97.6 77.7 116.5

167 13.6 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 5.594 ng

RT: 15.174 min Scan# 2055

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:232 Resp: 103121

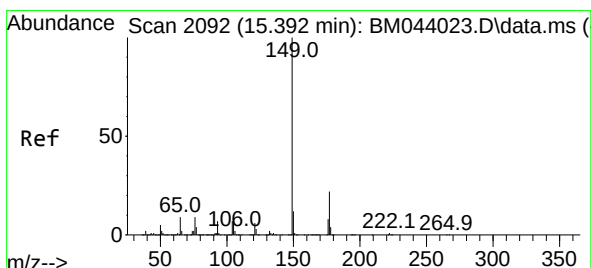
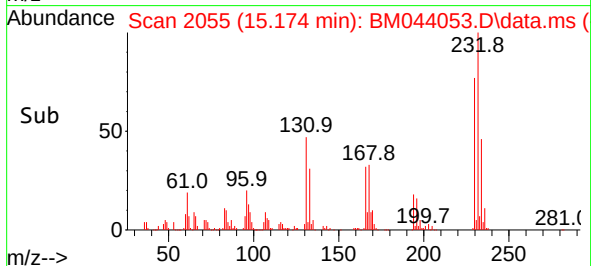
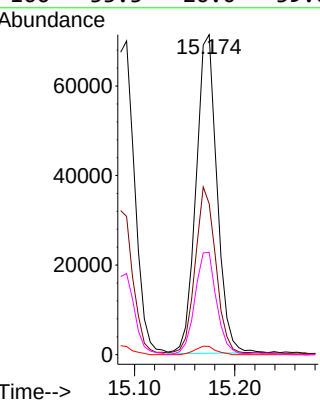
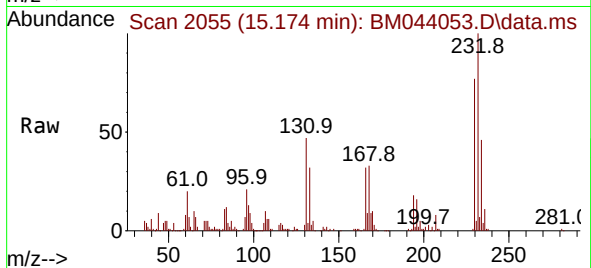
Ion Ratio Lower Upper

232 100

131 51.1 39.5 59.3

130 2.7 2.0 3.0

166 33.3 26.0 39.0



#60

Diethylphthalate

Concen: 5.568 ng

RT: 15.380 min Scan# 2090

Delta R.T. -0.012 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

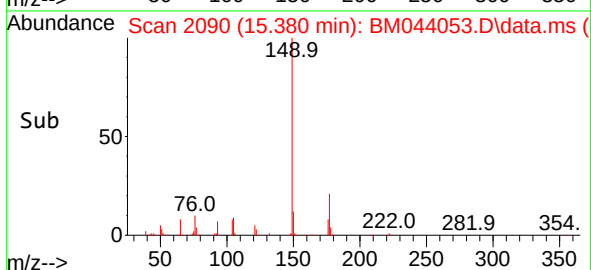
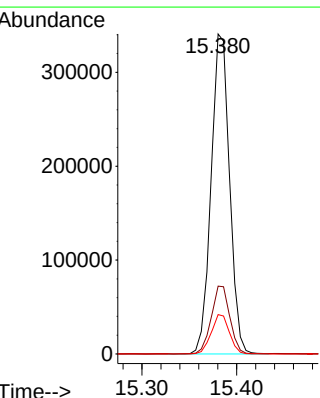
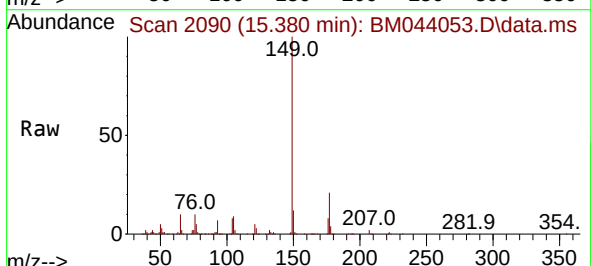
Tgt Ion:149 Resp: 461680

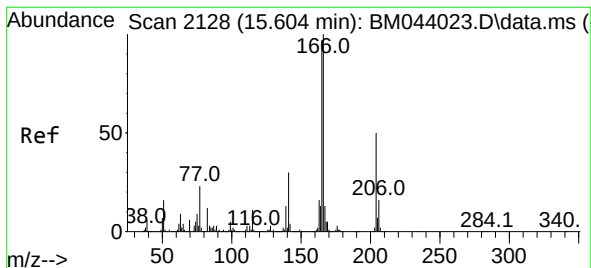
Ion Ratio Lower Upper

149 100

177 21.2 17.5 26.3

150 12.3 9.8 14.6

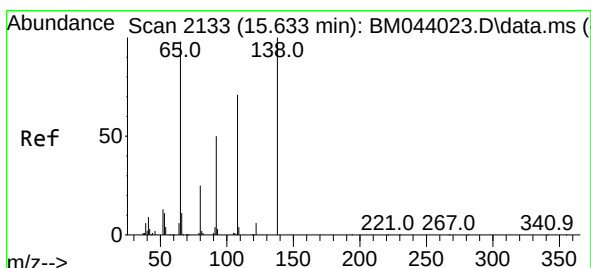
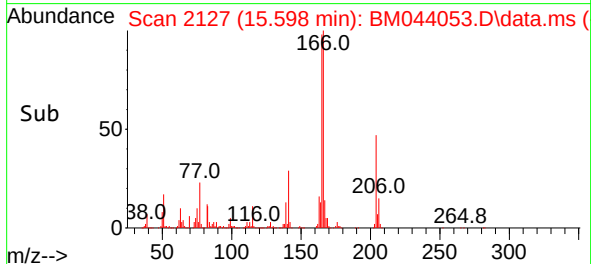
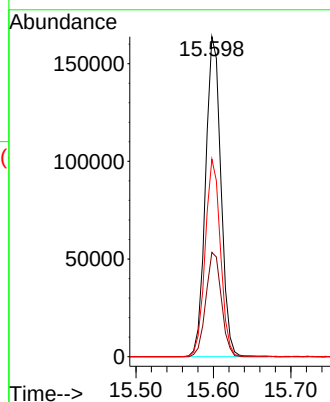
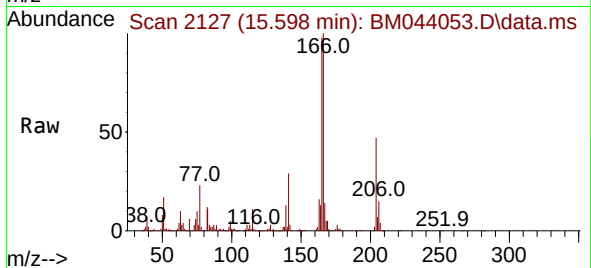




#61
4-Chlorophenyl-phenylether
Concen: 6.237 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

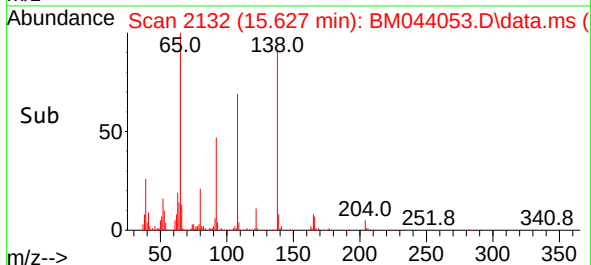
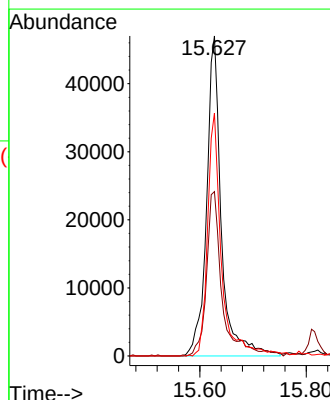
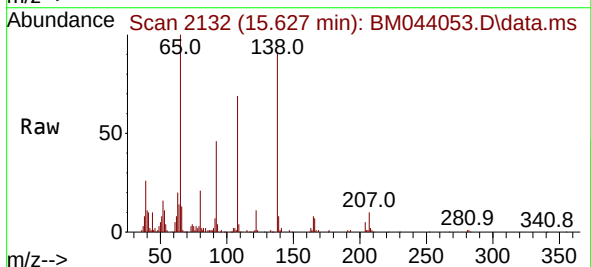
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

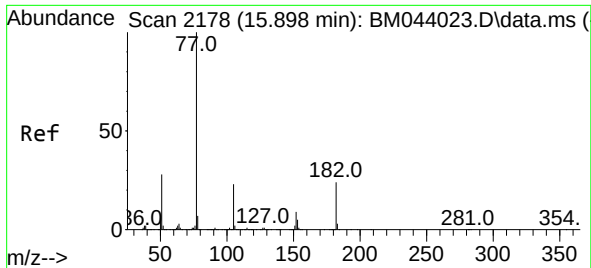
Tgt Ion:204 Resp: 225732
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 61.7 47.7 71.5



#62
4-Nitroaniline
Concen: 4.720 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:138 Resp: 90377
Ion Ratio Lower Upper
138 100
92 51.3 29.6 69.6
108 75.9 47.8 87.8

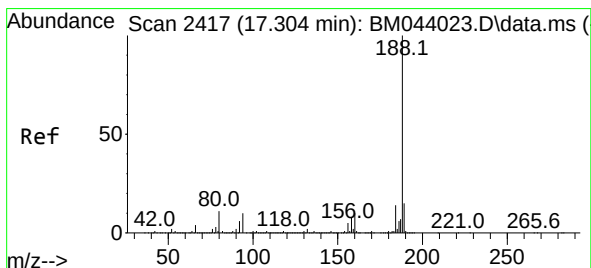
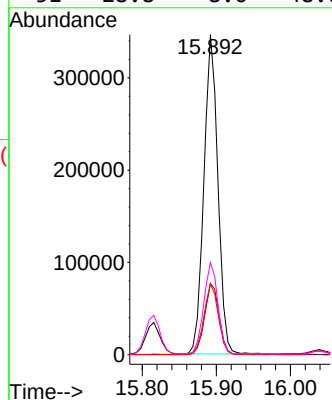
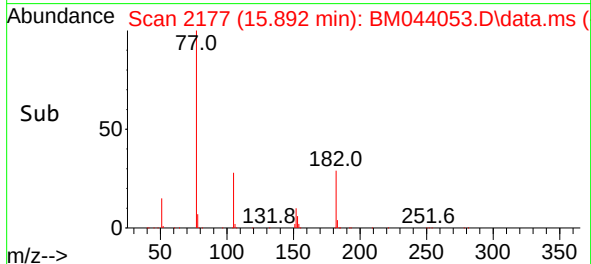
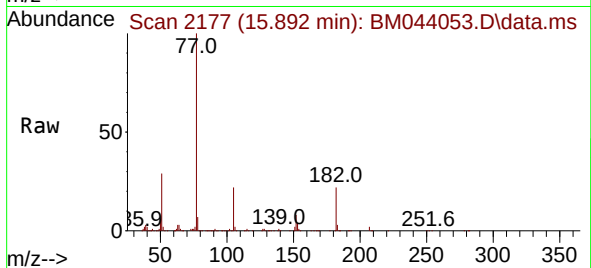




#63
Azobenzene
Concen: 5.824 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

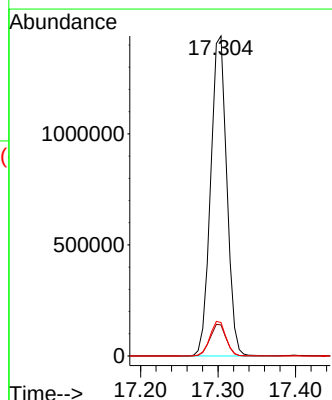
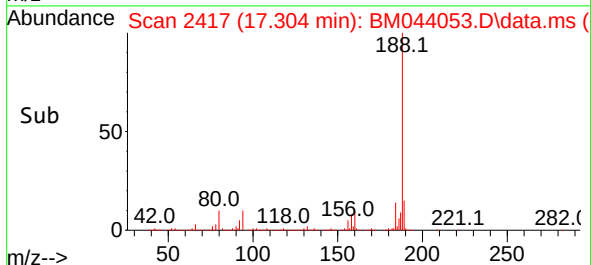
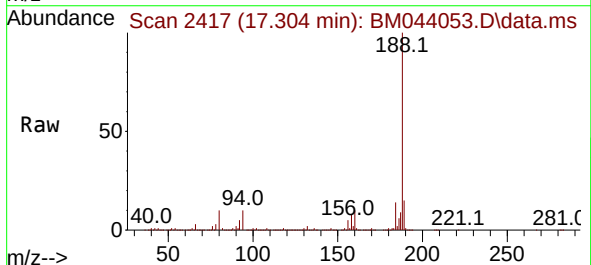
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

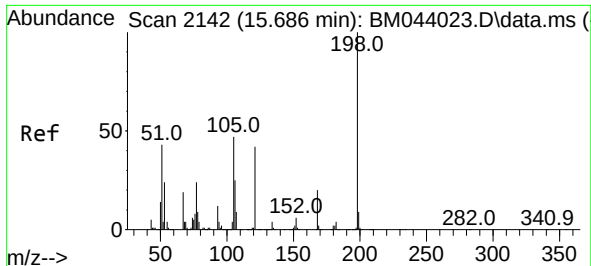
Tgt Ion:	77	Resp:	453050
Ion	Ratio	Lower	Upper
77	100		
182	22.3	4.0	44.0
105	22.1	3.3	43.3
51	28.8	8.0	48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:	188	Resp:	2085038
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	10.4	8.8	13.2

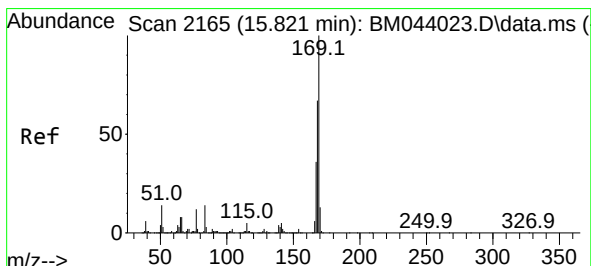
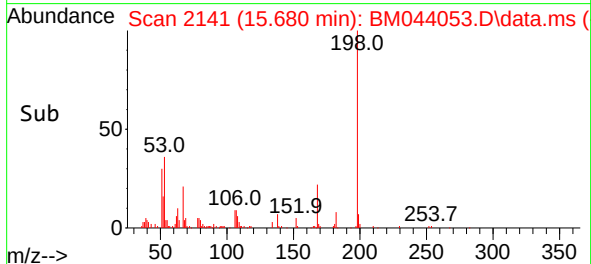
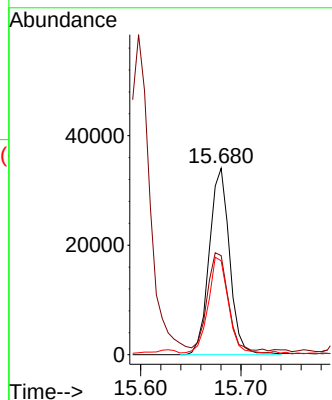
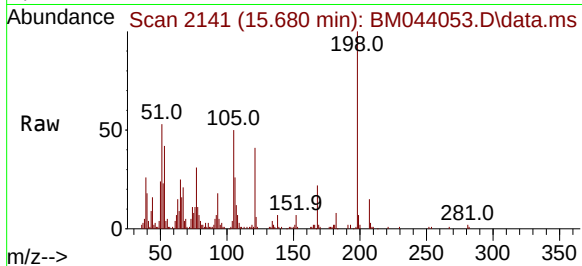




#65
4,6-Dinitro-2-methylphenol
Concen: 3.867 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

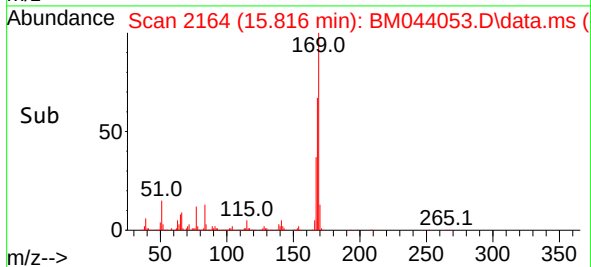
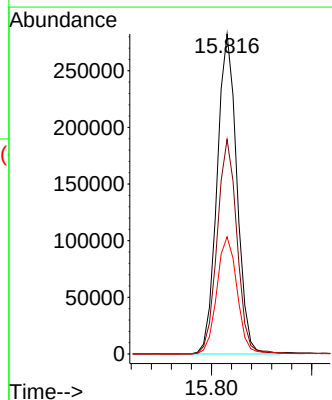
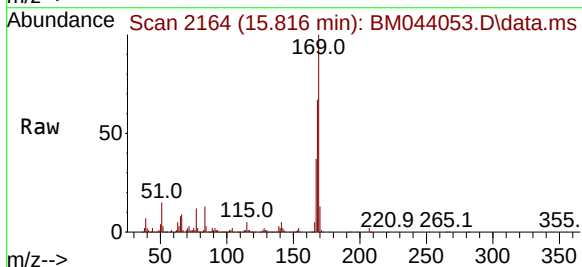
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

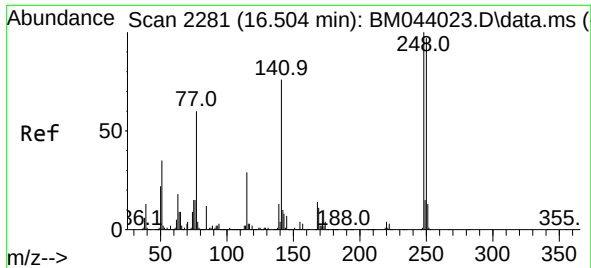
Tgt Ion	Ratio	Lower	Upper
198	100		
51	53.1	29.9	69.9
105	50.4	28.7	68.7



#66
n-Nitrosodiphenylamine
Concen: 6.097 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.8	80.8
167	36.6	29.2	43.8

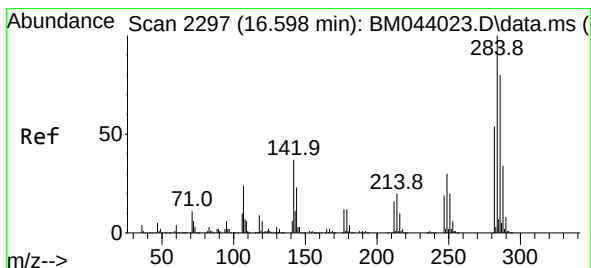
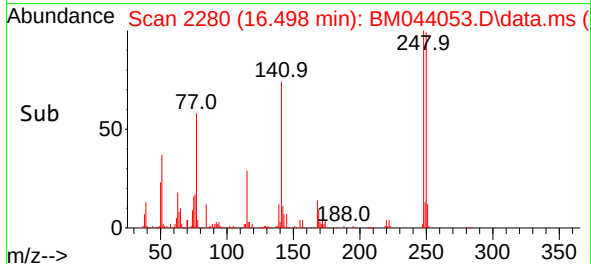
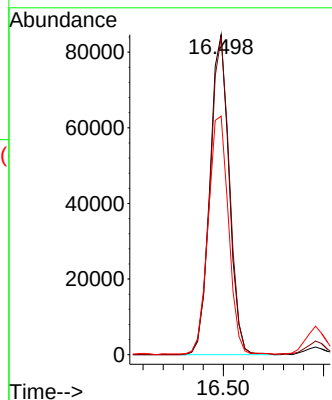
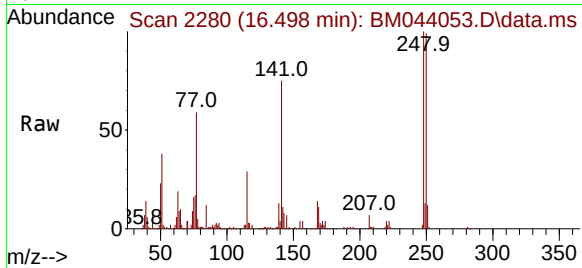




#67
4-Bromophenyl-phenylether
Concen: 5.461 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

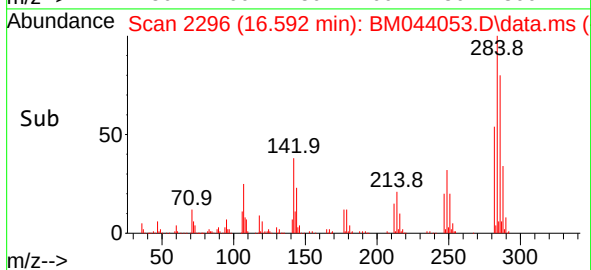
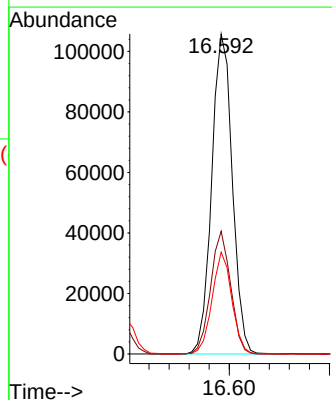
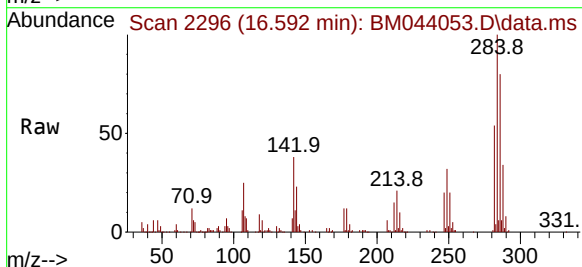
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

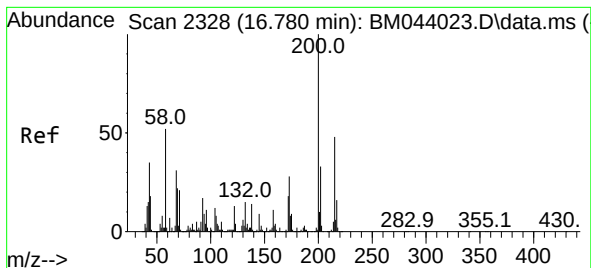
Tgt Ion:248 Resp: 112583
Ion Ratio Lower Upper
248 100
250 99.1 77.4 116.2
141 74.6 61.0 91.6



#68
Hexachlorobenzene
Concen: 5.985 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:284 Resp: 151131
Ion Ratio Lower Upper
284 100
142 38.3 30.0 45.0
249 31.8 24.1 36.1





#69

Atrazine

Concen: 6.867 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

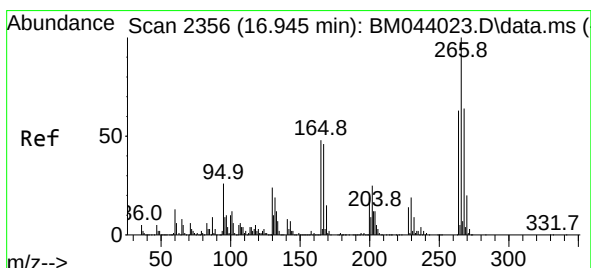
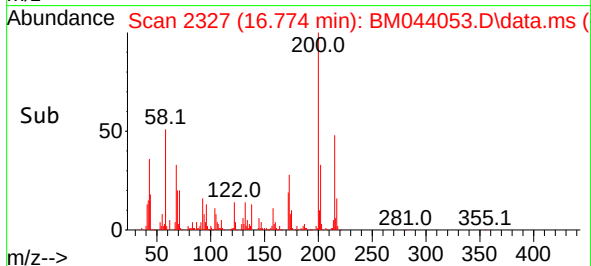
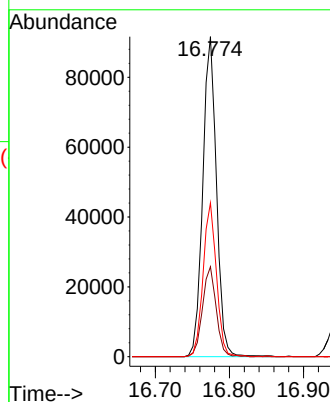
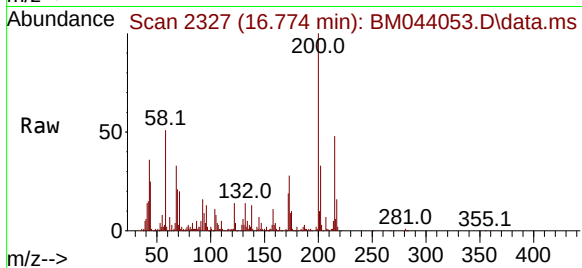
Tgt Ion:200 Resp: 117791

Ion Ratio Lower Upper

200 100

173 28.1 7.9 47.9

215 48.0 27.9 67.9



#70

Pentachlorophenol

Concen: 4.312 ng

RT: 16.945 min Scan# 2356

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

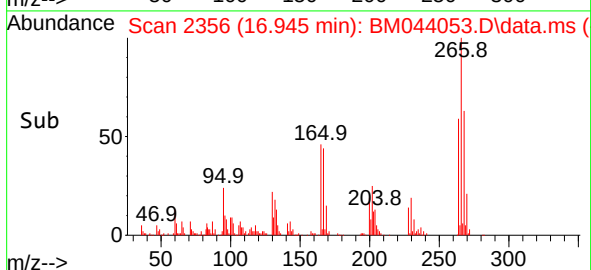
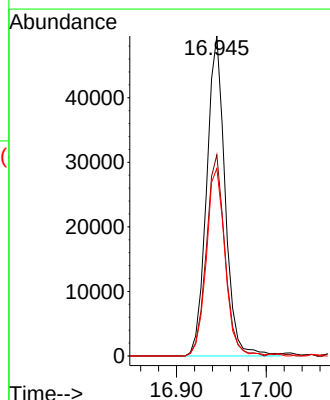
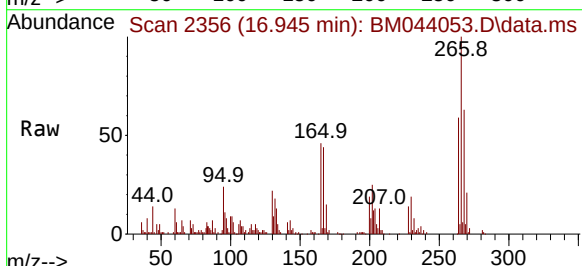
Tgt Ion:266 Resp: 70842

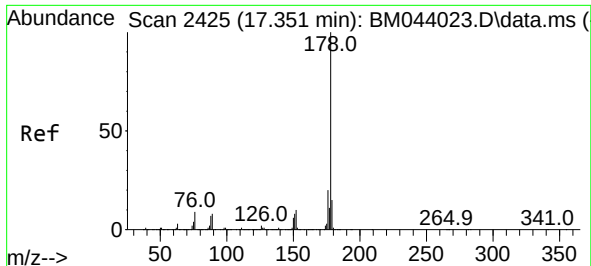
Ion Ratio Lower Upper

266 100

268 62.8 51.1 76.7

264 58.6 50.5 75.7

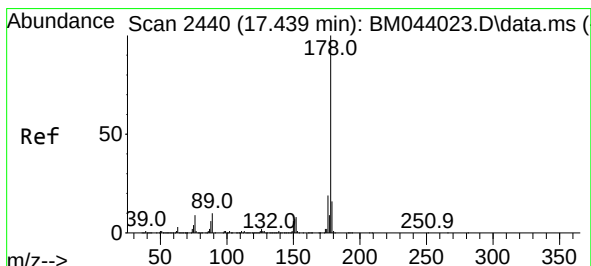
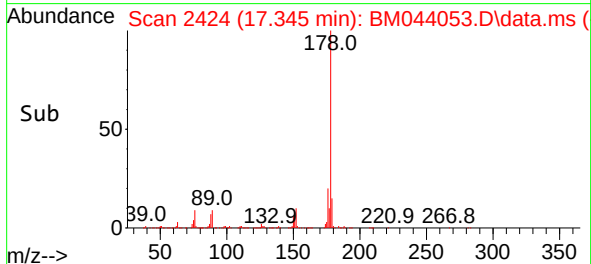
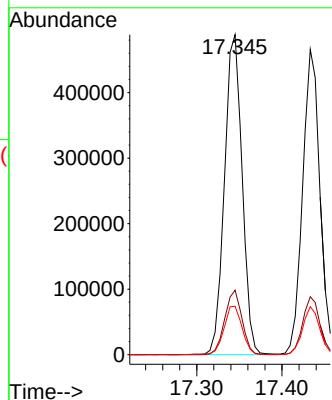
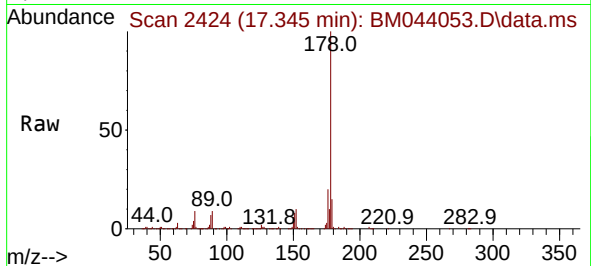




#71
Phenanthrene
Concen: 6.393 ng
RT: 17.345 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

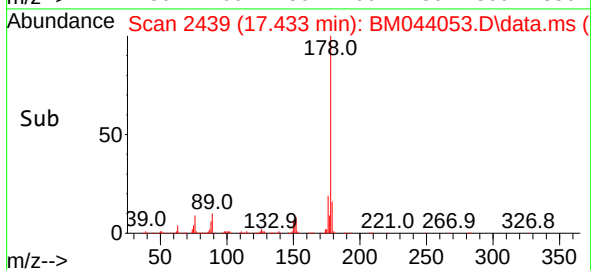
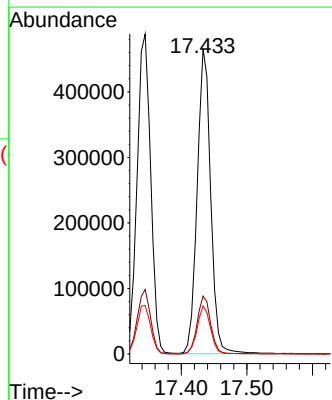
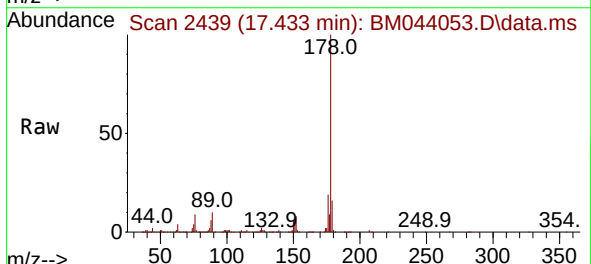
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

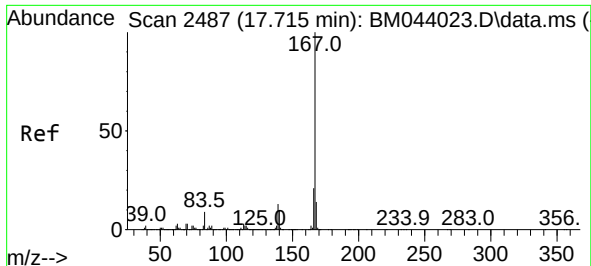
Tgt Ion:178 Resp: 703890
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 15.1 12.2 18.4



#72
Anthracene
Concen: 6.104 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:178 Resp: 665380
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.7 12.4 18.6

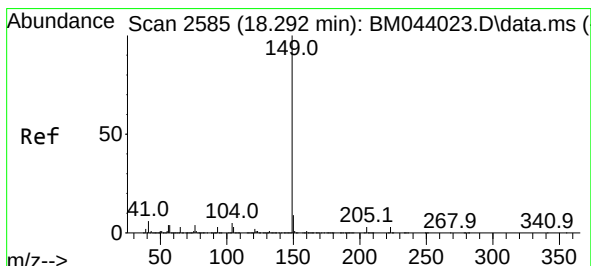
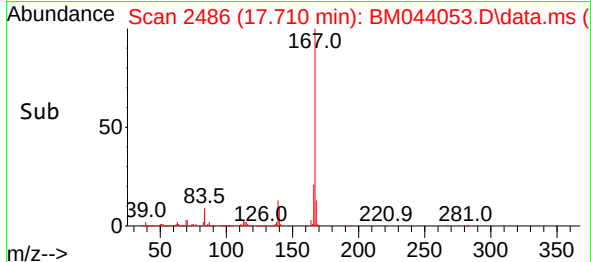
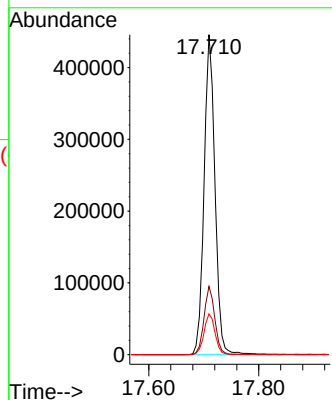
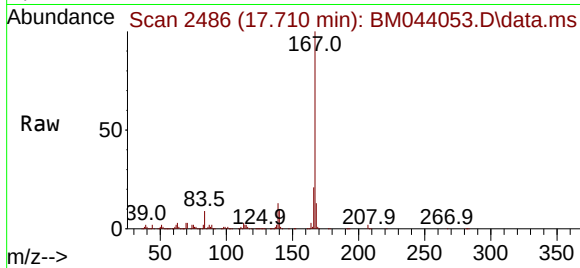




#73
 Carbazole
 Concen: 5.795 ng
 RT: 17.710 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53

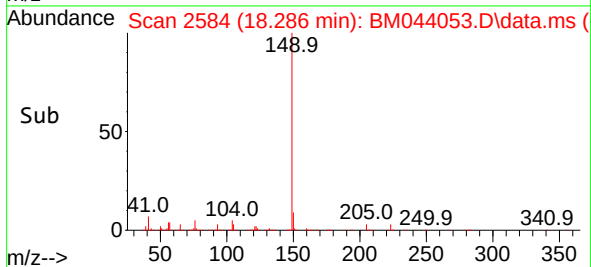
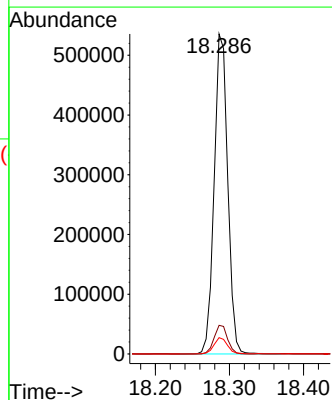
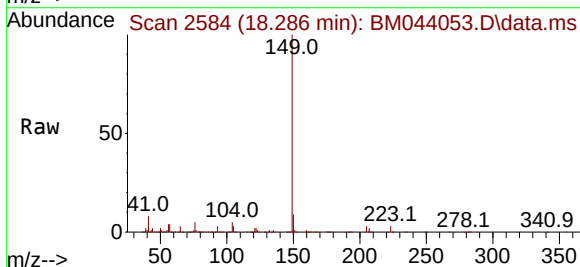
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

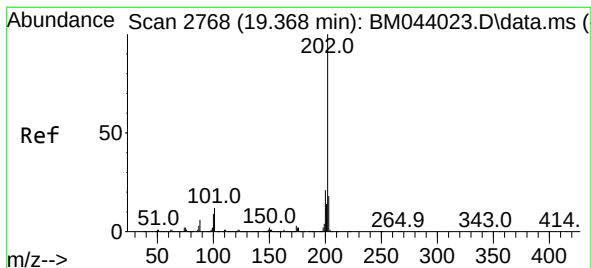
Tgt Ion:167 Resp: 614335
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.8 25.2
 139 12.8 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 4.926 ng
 RT: 18.286 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53

Tgt Ion:149 Resp: 678727
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.1 3.8 5.6





#75

Fluoranthene

Concen: 5.731 ng

RT: 19.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

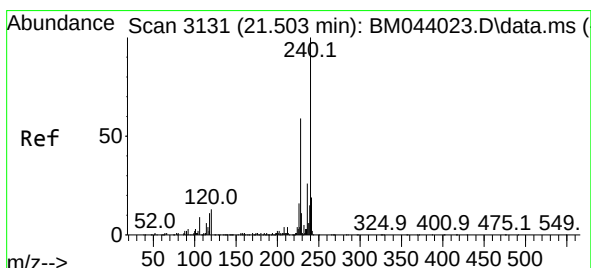
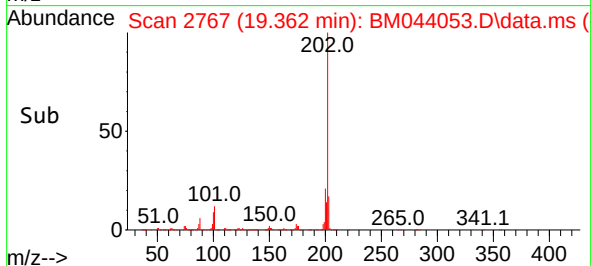
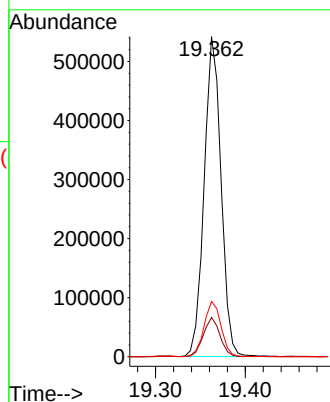
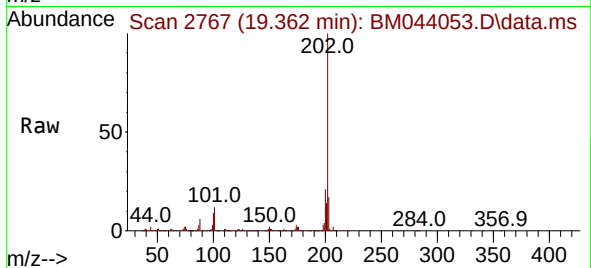
Tgt Ion:202 Resp: 708832

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

203 17.3 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

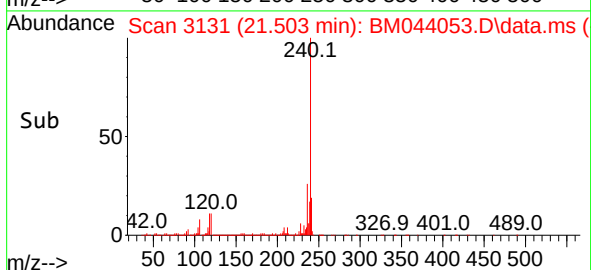
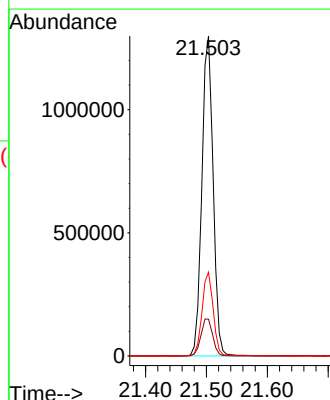
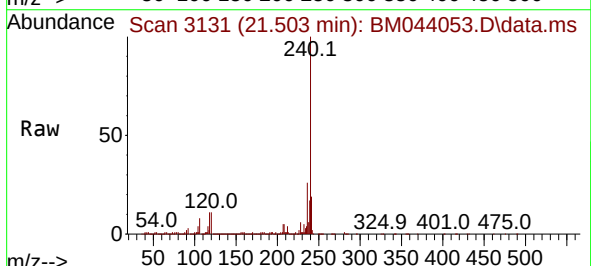
Tgt Ion:240 Resp: 1662047

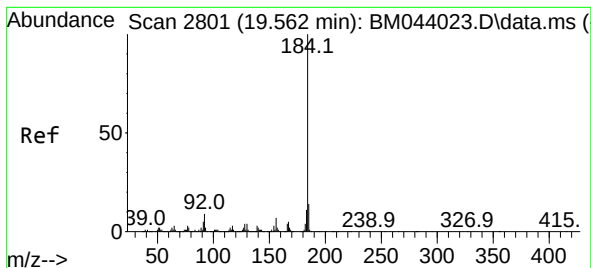
Ion Ratio Lower Upper

240 100

120 11.5 10.1 15.1

236 26.1 20.6 31.0





#77

Benzidine

Concen: 8.784 ng

RT: 19.562 min Scan# 2801

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

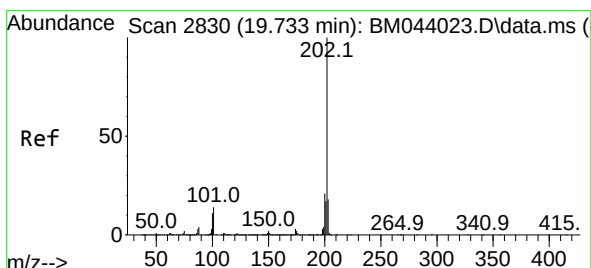
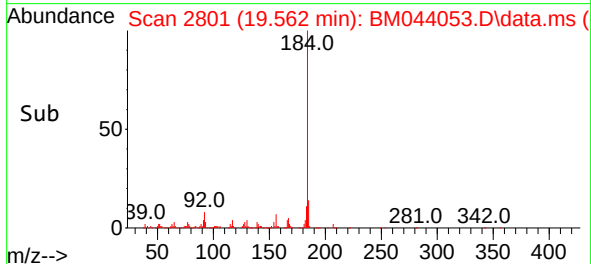
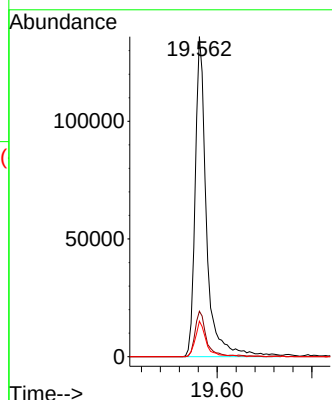
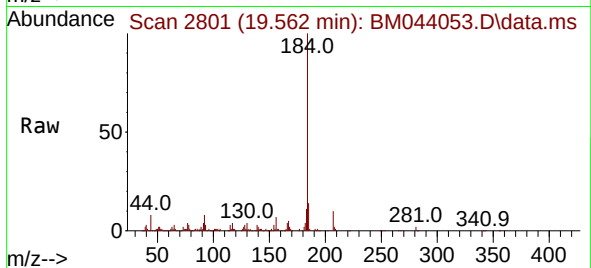
Tgt Ion:184 Resp: 226869

Ion Ratio Lower Upper

184 100

185 14.2 11.0 16.6

183 11.1 9.0 13.4



#78

Pyrene

Concen: 5.846 ng

RT: 19.727 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

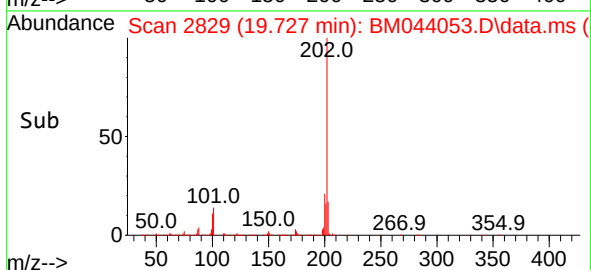
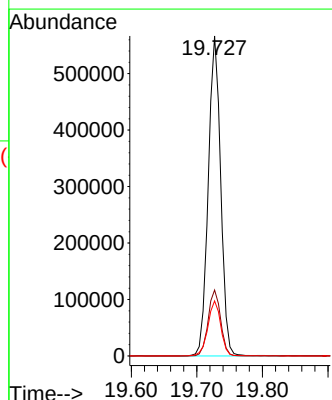
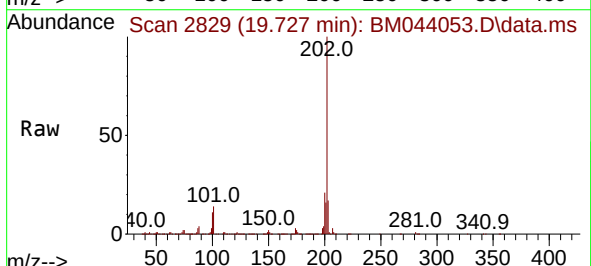
Tgt Ion:202 Resp: 748288

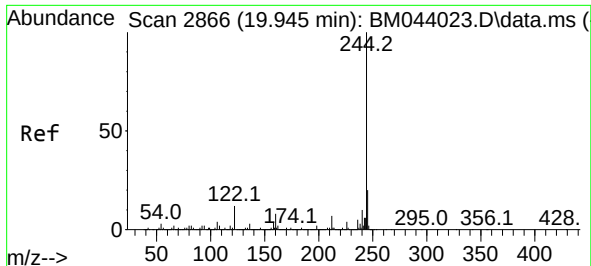
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 17.2 14.0 21.0

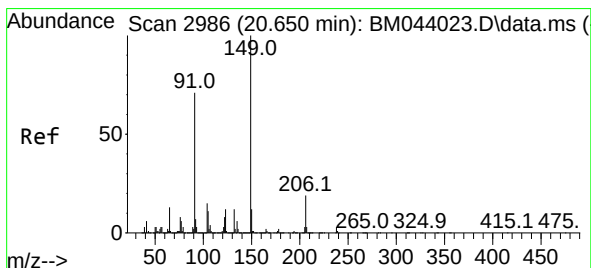
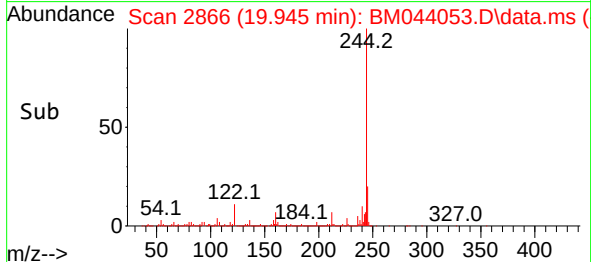
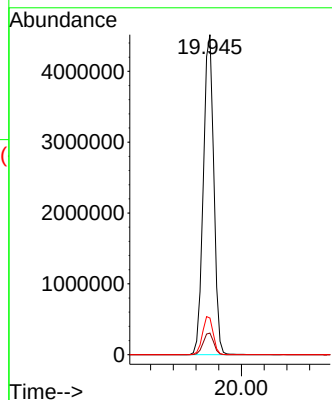
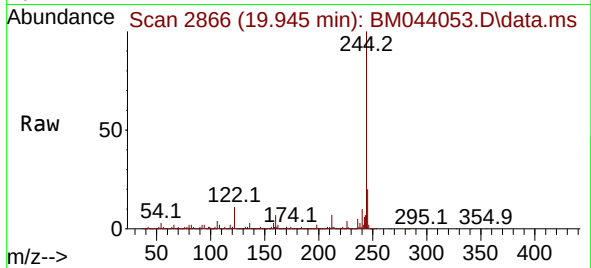




#79
 Terphenyl-d14
 Concen: 60.836 ng
 RT: 19.945 min Scan# 2866
 Delta R.T. 0.000 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53

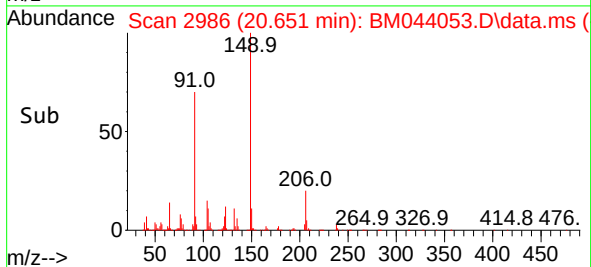
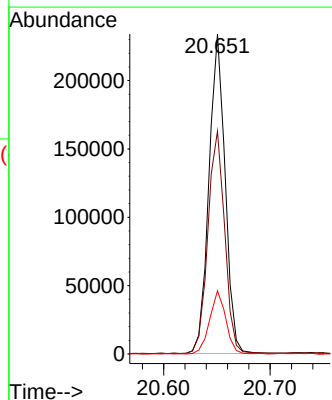
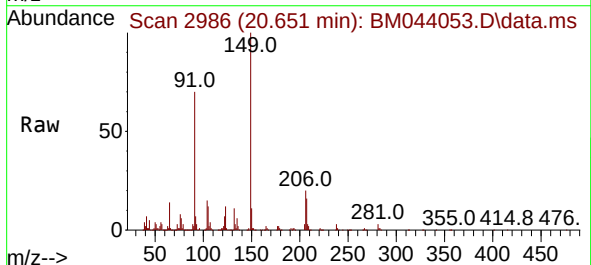
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

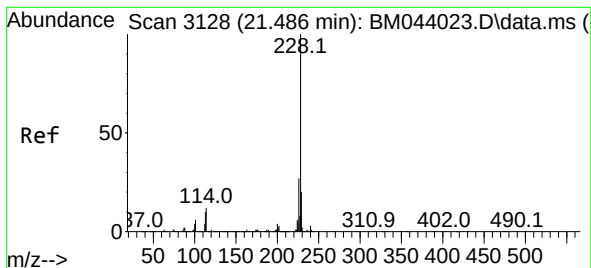
Tgt Ion:244 Resp: 5767845
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.5 9.5 14.3



#80
 Butylbenzylphthalate
 Concen: 4.337 ng
 RT: 20.651 min Scan# 2986
 Delta R.T. 0.000 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53

Tgt Ion:149 Resp: 246753
 Ion Ratio Lower Upper
 149 100
 91 69.7 56.8 85.2
 206 19.8 15.0 22.6





#81

Benzo(a)anthracene

Concen: 5.993 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

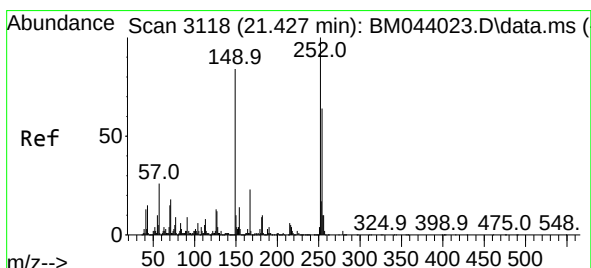
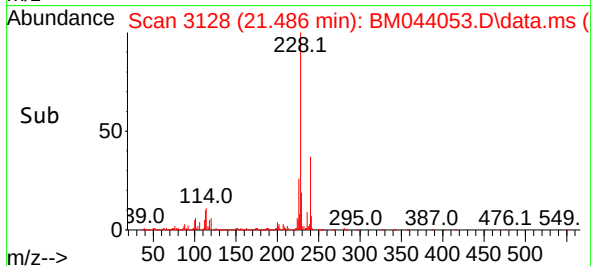
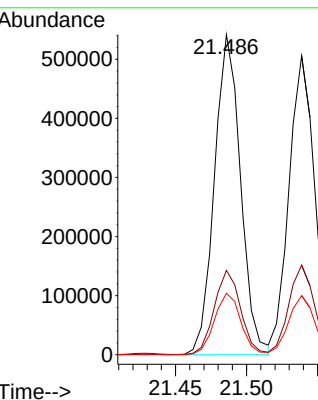
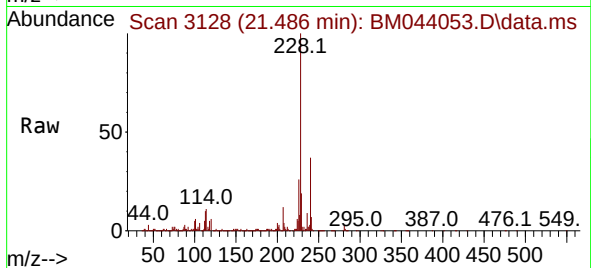
Tgt Ion:228 Resp: 692830

Ion Ratio Lower Upper

228 100

226 26.4 21.4 32.2

229 19.2 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 5.787 ng

RT: 21.427 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

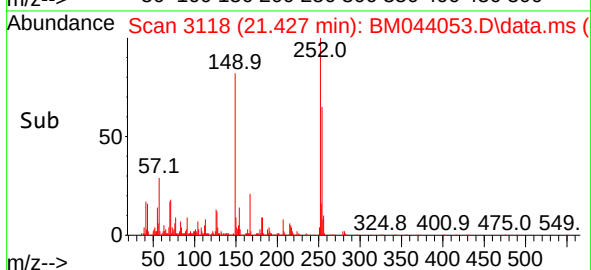
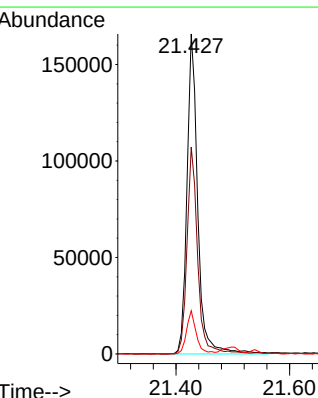
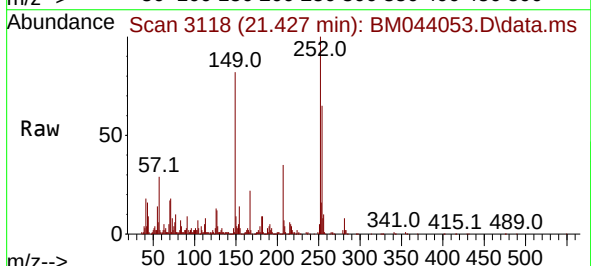
Tgt Ion:252 Resp: 219514

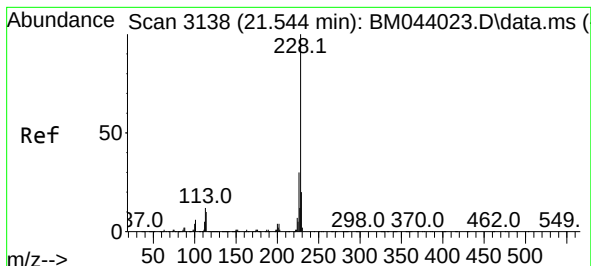
Ion Ratio Lower Upper

252 100

254 64.6 51.2 76.8

126 13.5 10.2 15.4





#83

Chrysene

Concen: 5.867 ng

RT: 21.539 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

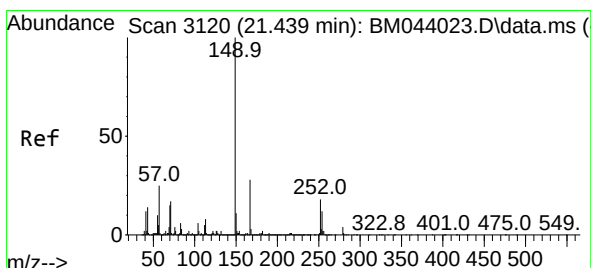
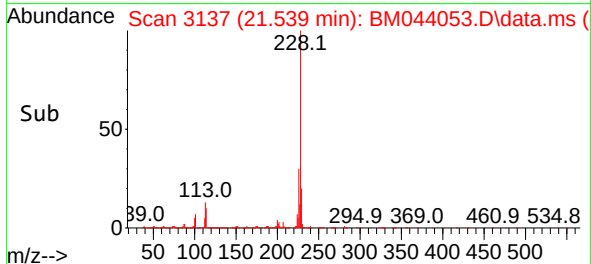
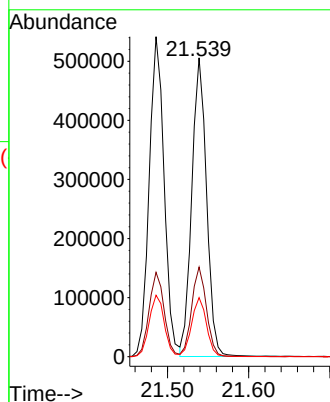
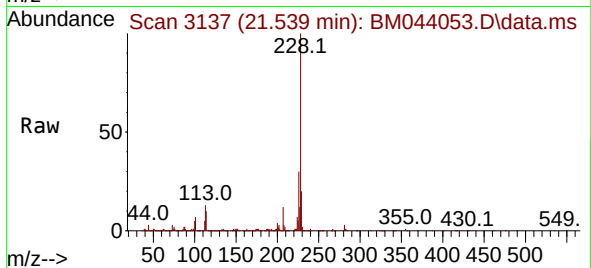
Tgt Ion:228 Resp: 640773

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

229 19.7 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.396 ng

RT: 21.439 min Scan# 3120

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

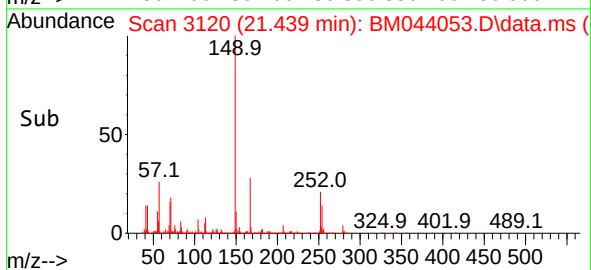
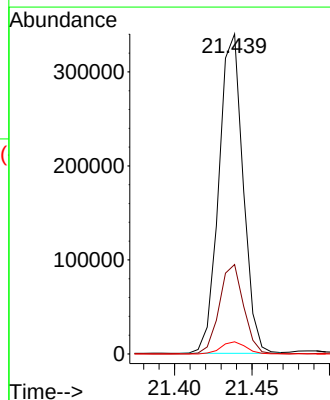
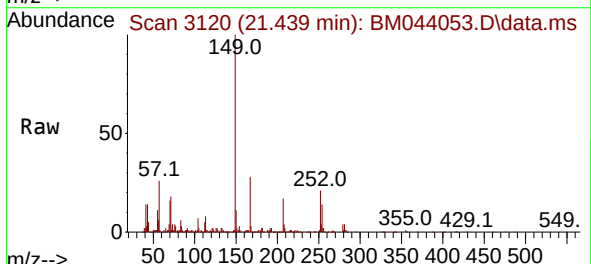
Tgt Ion:149 Resp: 369088

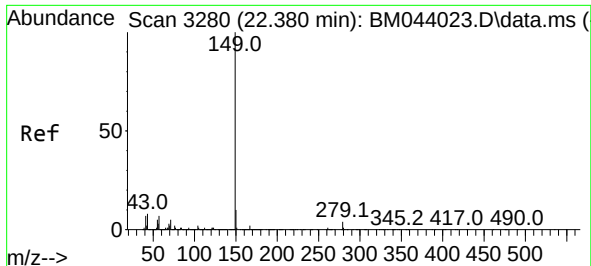
Ion Ratio Lower Upper

149 100

167 28.0 22.6 33.8

279 3.8 3.1 4.7

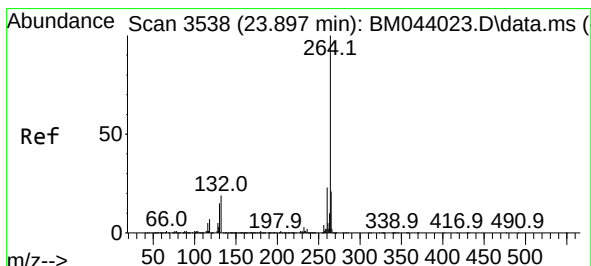
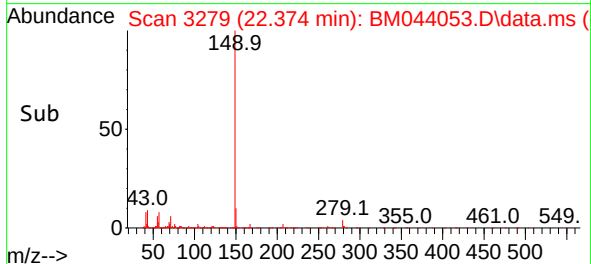
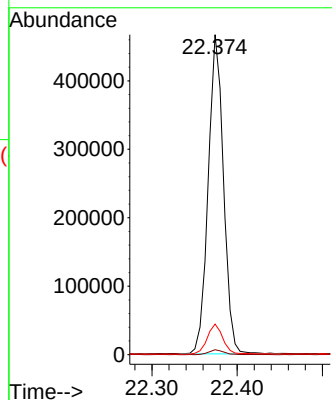
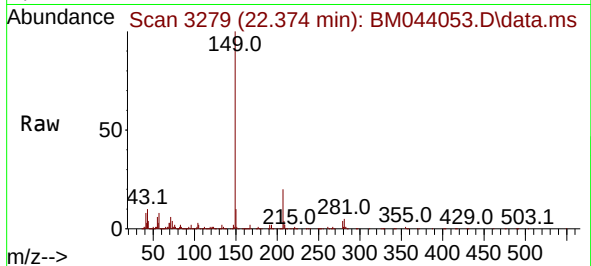




#85
Di-n-octyl phthalate
Concen: 3.960 ng
RT: 22.374 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

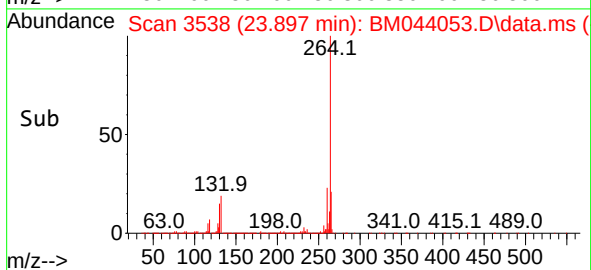
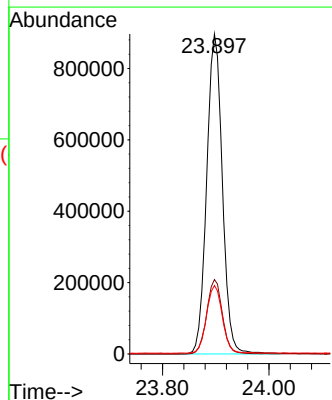
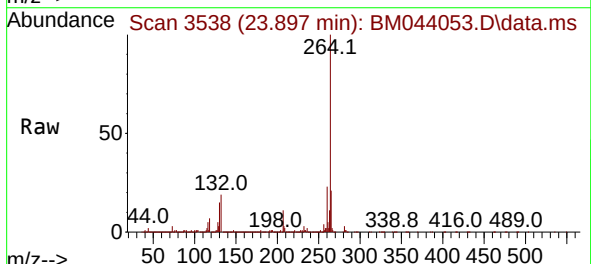
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

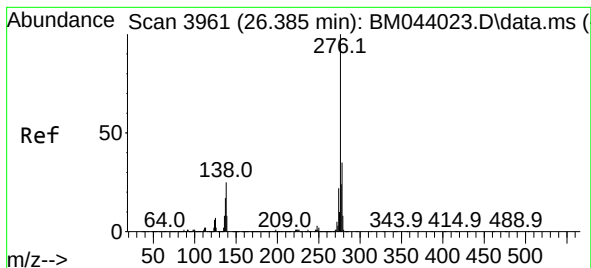
Tgt Ion:149 Resp: 580634
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.7 7.0 10.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.897 min Scan# 3538
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:264 Resp: 1832461
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 21.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.826 ng

RT: 26.380 min Scan# 3961

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

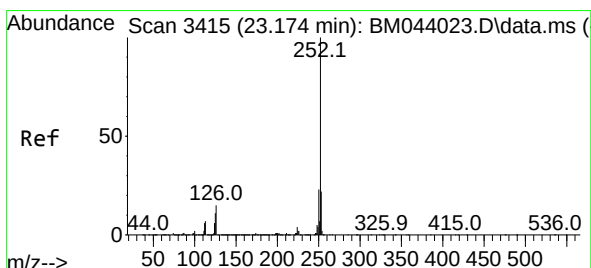
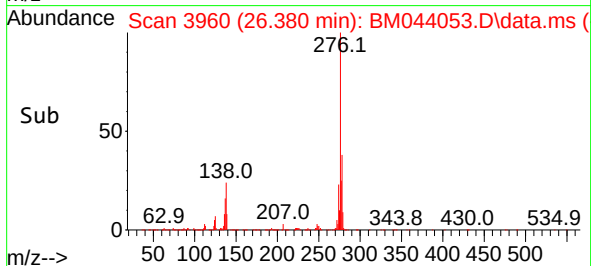
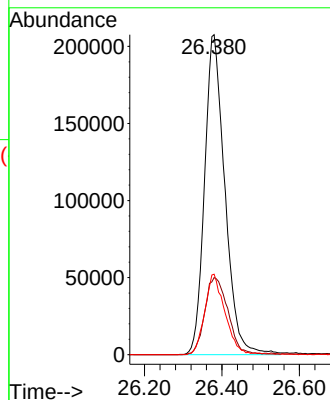
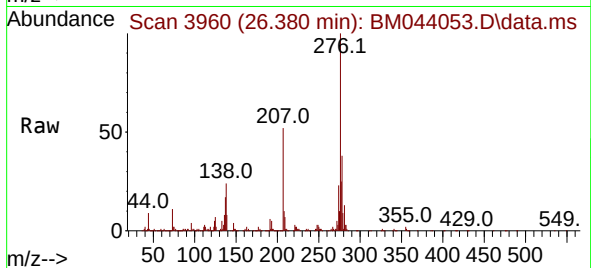
Tgt Ion:276 Resp: 755578

Ion Ratio Lower Upper

276 100

138 27.5 22.6 34.0

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.708 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

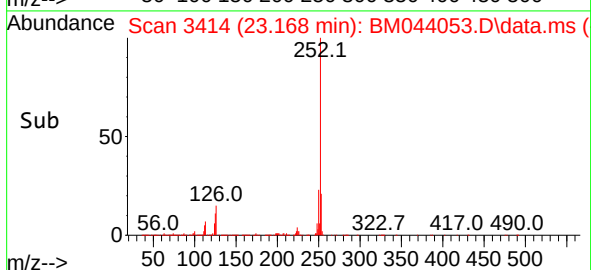
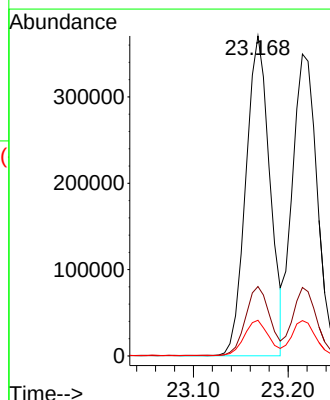
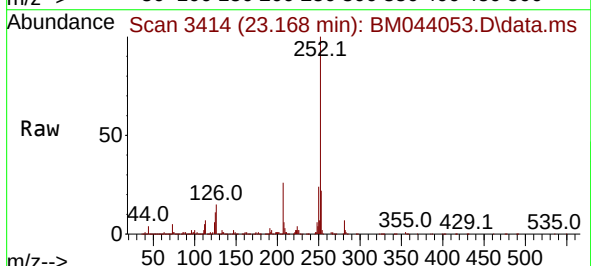
Tgt Ion:252 Resp: 653838

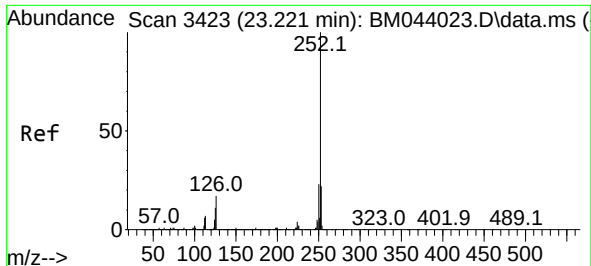
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 11.1 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 5.891 ng

RT: 23.215 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

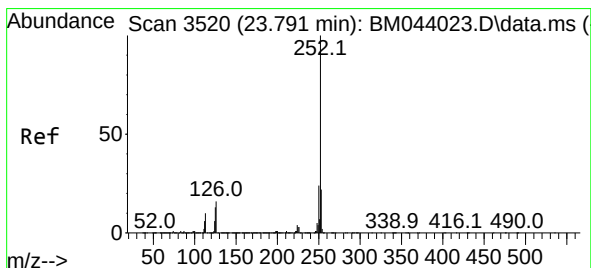
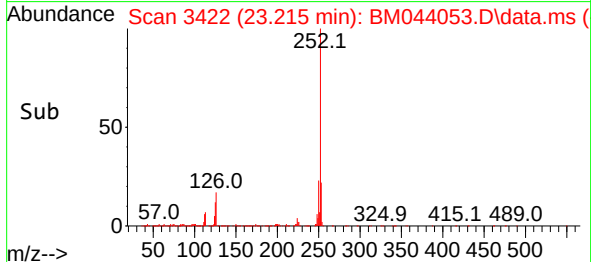
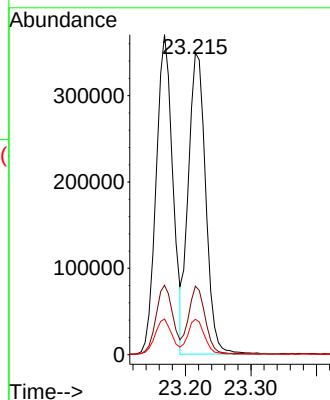
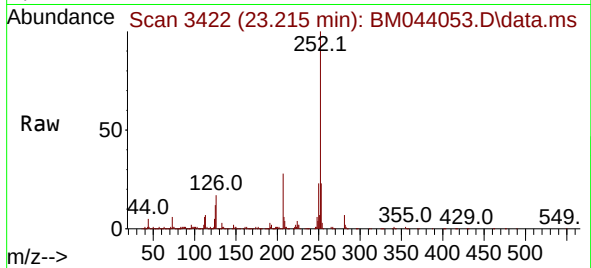
Tgt Ion:252 Resp: 641197

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 11.7 9.0 13.4



#90

Benzo(a)pyrene

Concen: 5.537 ng

RT: 23.791 min Scan# 3520

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

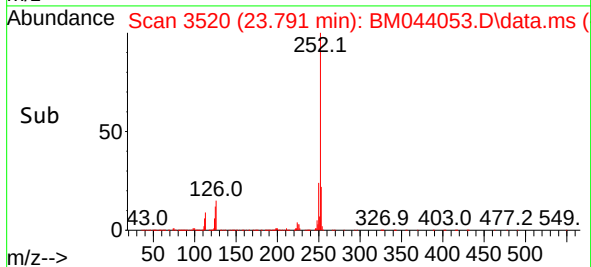
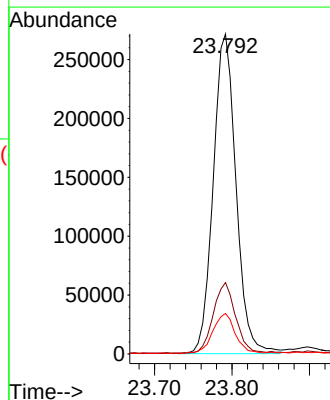
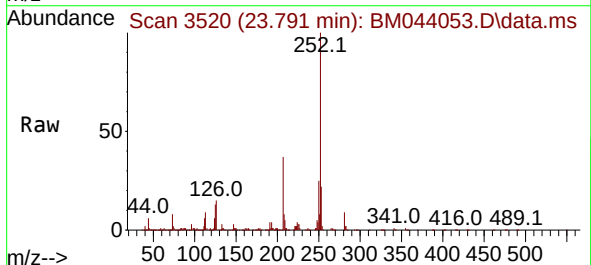
Tgt Ion:252 Resp: 554048

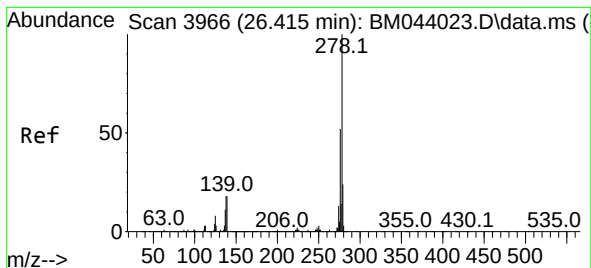
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 12.6 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 5.935 ng

RT: 26.409 min Scan# 3966

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

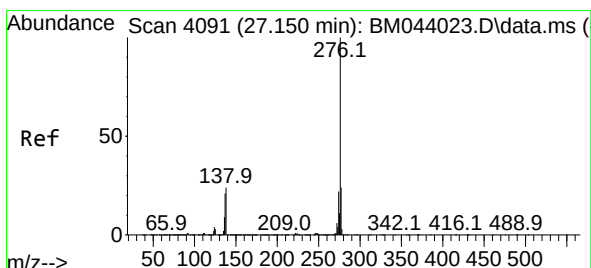
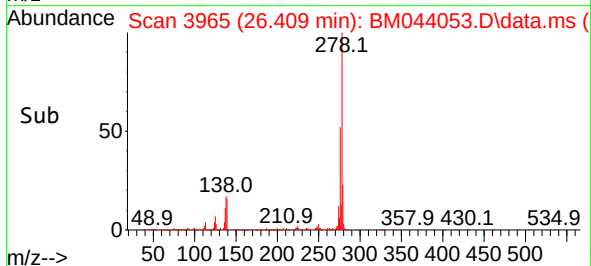
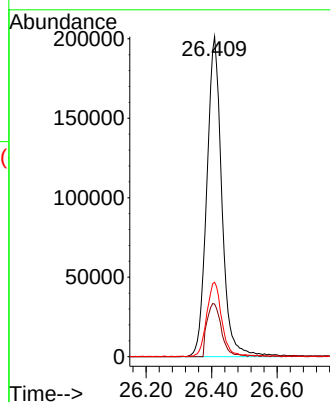
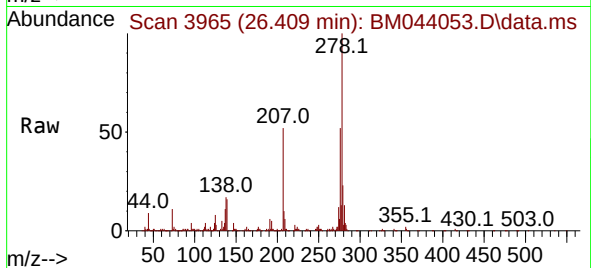
Tgt Ion:278 Resp: 643911

Ion Ratio Lower Upper

278 100

139 16.4 14.5 21.7

279 23.2 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 5.639 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.017 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Tgt Ion:276 Resp: 620409

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 24.0 19.1 28.7

