

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044063.D
 Acq On : 12 Feb 2024 18:55
 Operator : MA/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 13 00:48:26 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	577785	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2458831	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1455035	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2951678	20.000	ng	0.00
76) Chrysene-d12	21.497	240	2326356	20.000	ng	0.00
86) Perylene-d12	23.897	264	2402278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	3237805	81.504	ng	0.00
7) Phenol-d6	7.075	99	4230619	83.700	ng	0.00
23) Nitrobenzene-d5	9.075	82	2863104	61.788	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1358008	86.201	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	6180583	59.949	ng	0.00
79) Terphenyl-d14	19.945	244	8097265	61.017	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	99556	6.315	ng	98
3) Pyridine	3.787	79	225066	5.407	ng	97
4) n-Nitrosodimethylamine	3.710	42	94678	5.995	ng	# 93
6) Aniline	7.240	93	355119	7.146	ng	99
8) 2-Chlorophenol	7.463	128	248654	5.994	ng	97
9) Benzaldehyde	7.051	77	227732	8.767	ng	95
10) Phenol	7.098	94	315580	6.186	ng	96
11) bis(2-Chloroethyl)ether	7.340	93	259035	6.132	ng	96
12) 1,3-Dichlorobenzene	7.792	146	272562	5.787	ng	96
13) 1,4-Dichlorobenzene	7.939	146	282489	5.950	ng	99
14) 1,2-Dichlorobenzene	8.257	146	268193	5.928	ng	97
15) Benzyl Alcohol	8.151	79	205650	6.249	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.439	45	343822	6.420	ng	98
17) 2-Methylphenol	8.351	107	199936	5.971	ng	96
18) Hexachloroethane	8.975	117	103016	5.795	ng	97
19) n-Nitroso-di-n-propyla...	8.722	70	202257	6.517	ng	98
20) 3+4-Methylphenols	8.681	107	271871	5.899	ng	99
22) Acetophenone	8.734	105	402210	6.444	ng	# 97
24) Nitrobenzene	9.116	77	291837	6.150	ng	97
25) Isophorone	9.639	82	546016	6.120	ng	97
26) 2-Nitrophenol	9.822	139	116021	5.274	ng	97
27) 2,4-Dimethylphenol	9.886	122	192712	6.851	ng	99
28) bis(2-Chloroethoxy)met...	10.133	93	359871	6.236	ng	99
29) 2,4-Dichlorophenol	10.351	162	211920	5.722	ng	96
30) 1,2,4-Trichlorobenzene	10.569	180	241427	5.797	ng	98
31) Naphthalene	10.757	128	819979	6.042	ng	99
32) Benzoic acid	9.957	122	89697	3.165	ng	99
33) 4-Chloroaniline	10.875	127	327923	6.381	ng	98
34) Hexachlorobutadiene	11.033	225	132684	5.566	ng	96
35) Caprolactam	11.645	113	66311	5.564	ng	90
36) 4-Chloro-3-methylphenol	11.998	107	228909	5.708	ng	99
37) 2-Methylnaphthalene	12.369	142	544017	6.018	ng	98
38) 1-Methylnaphthalene	12.586	142	532458	5.995	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	259852	6.144	ng	99
41) Hexachlorocyclopentadiene	12.704	237	124528	6.747	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	158140	5.494	ng	99

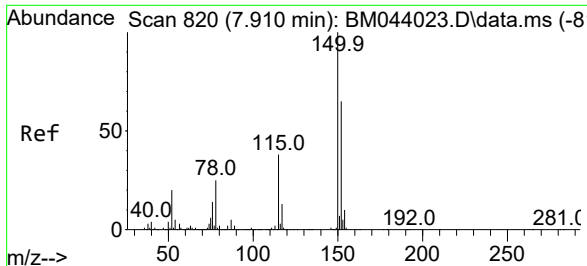
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	171547	5.431	ng	96
46) 1,1'-Biphenyl	13.386	154	735072	6.402	ng	99
47) 2-Chloronaphthalene	13.427	162	540139	5.939	ng	99
48) 2-Nitroaniline	13.633	65	145854	5.701	ng	86
49) Acenaphthylene	14.268	152	894472	6.592	ng	100
50) Dimethylphthalate	14.016	163	675235	6.259	ng	100
51) 2,6-Dinitrotoluene	14.139	165	131693	5.533	ng	91
52) Acenaphthene	14.616	154	515887	6.143	ng	100
53) 3-Nitroaniline	14.463	138	142234	5.560	ng	92
54) 2,4-Dinitrophenol	14.668	184	46244	8.598	ng	93
55) Dibenzofuran	14.951	168	830689	6.391	ng	99
56) 4-Nitrophenol	14.763	139	100021	4.810	ng	90
57) 2,4-Dinitrotoluene	14.921	165	166219	5.343	ng	93
58) Fluorene	15.598	166	656259	6.534	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	151274	6.103	ng	99
60) Diethylphthalate	15.380	149	671764	6.025	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	313299	6.438	ng	97
62) 4-Nitroaniline	15.627	138	135872	5.277	ng	98
63) Azobenzene	15.892	77	656819	6.279	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	73222	4.163	ng	95
66) n-Nitrosodiphenylamine	15.815	169	553186	6.169	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	152791	5.236	ng	99
68) Hexachlorobenzene	16.592	284	208703	5.838	ng	97
69) Atrazine	16.774	200	179966	7.412	ng	98
70) Pentachlorophenol	16.945	266	103550	4.453	ng	98
71) Phenanthrene	17.345	178	984381	6.316	ng	99
72) Anthracene	17.433	178	957756	6.207	ng	100
73) Carbazole	17.709	167	898284	5.986	ng	100
74) Di-n-butylphthalate	18.286	149	1077337	5.523	ng	99
75) Fluoranthene	19.362	202	1033655	5.904	ng	99
77) Benzidine	19.562	184	370401	10.246	ng	98
78) Pyrene	19.727	202	1091075	6.090	ng	99
80) Butylbenzylphthalate	20.650	149	407300	5.114	ng	98
81) Benzo(a)anthracene	21.486	228	979322	6.052	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	315266	5.938	ng	99
83) Chrysene	21.539	228	920160	6.019	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	623242	5.304	ng	99
85) Di-n-octyl phthalate	22.374	149	914457	4.456	ng	98
87) Indeno(1,2,3-cd)pyrene	26.374	276	936564	5.508	ng	99
88) Benzo(b)fluoranthene	23.168	252	895116	5.961	ng	99
89) Benzo(k)fluoranthene	23.215	252	849673	5.955	ng	100
90) Benzo(a)pyrene	23.785	252	734197	5.597	ng	100
91) Dibenzo(a,h)anthracene	26.403	278	791348	5.564	ng	99
92) Benzo(g,h,i)perylene	27.132	276	756114	5.242	ng	99

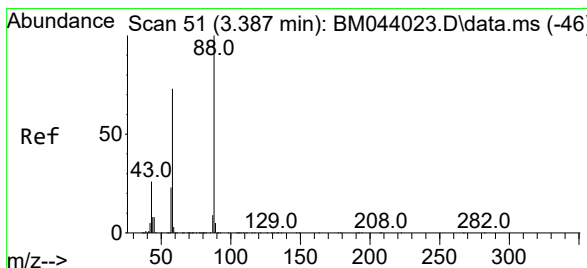
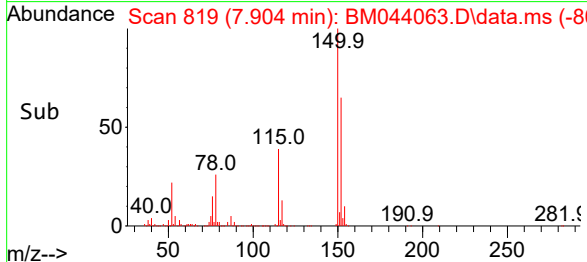
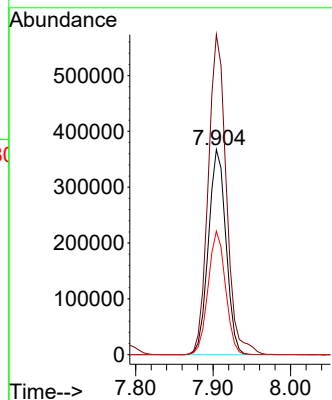
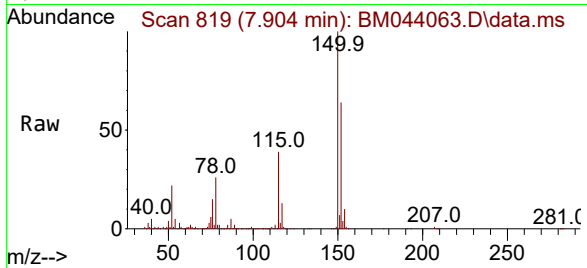
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

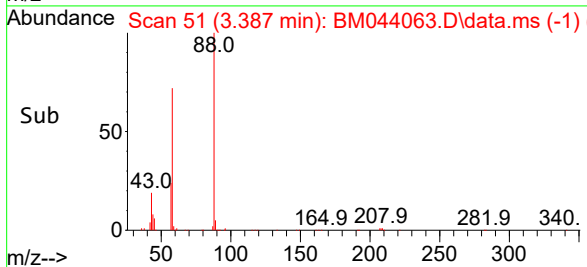
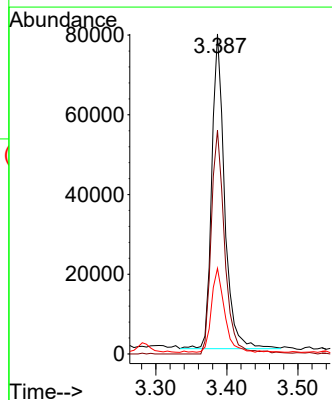
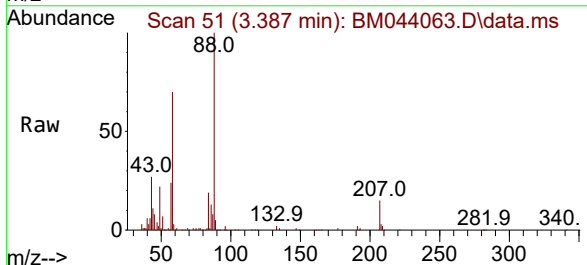
Instrument :
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ClientSampleId :
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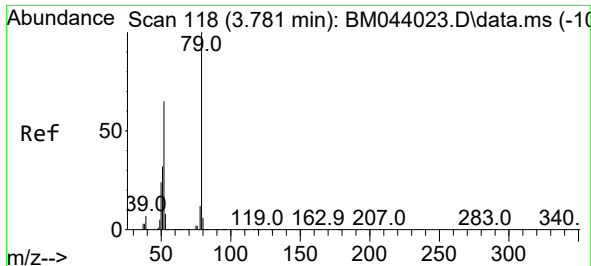
Tgt Ion:152 Resp: 577785
Ion Ratio Lower Upper
152 100
150 156.0 122.7 184.1
115 60.2 47.0 70.6



#2
1,4-Dioxane
Concen: 6.315 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 88 Resp: 99556
Ion Ratio Lower Upper
88 100
58 75.0 58.1 87.1
43 26.9 21.1 31.7

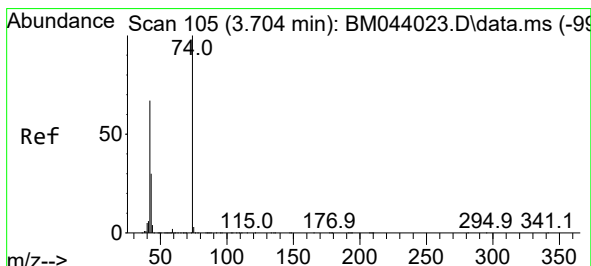
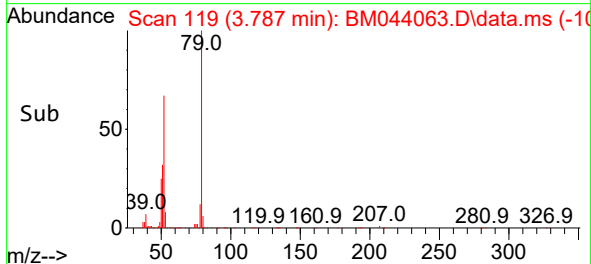
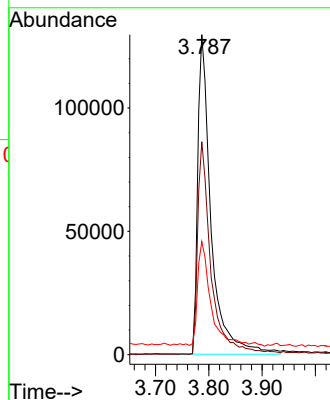
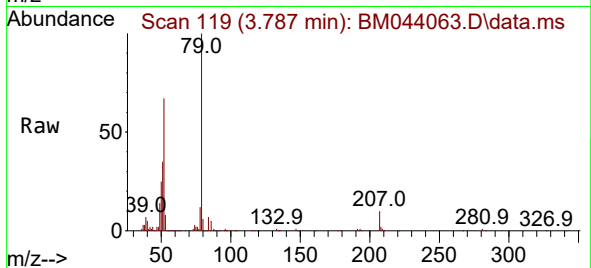




#3
Pyridine
Concen: 5.407 ng
RT: 3.787 min Scan# 118
Delta R.T. 0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

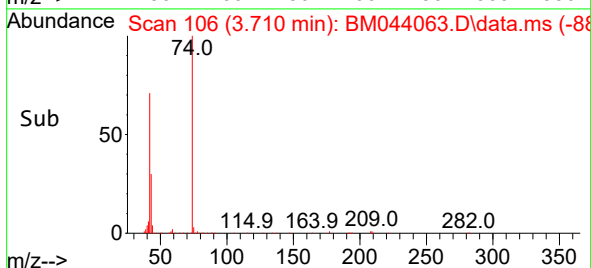
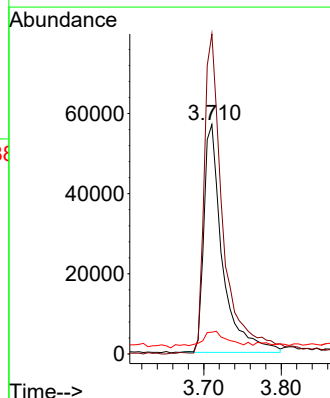
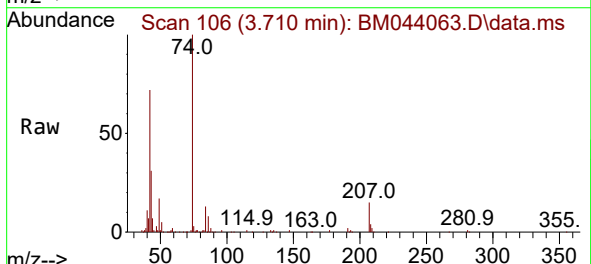
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ClientSampleId :
MDL-SOIL-03-QT1-2024

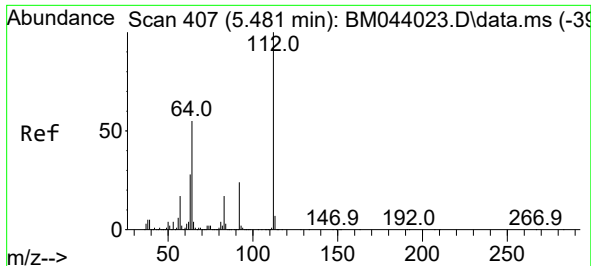
Tgt Ion: 79 Resp: 225066
Ion Ratio Lower Upper
79 100
52 66.5 52.2 78.2
51 35.3 26.2 39.4



#4
n-Nitrosodimethylamine
Concen: 5.995 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 42 Resp: 94678
Ion Ratio Lower Upper
42 100
74 139.4 118.6 178.0
44 9.5 5.6 8.4

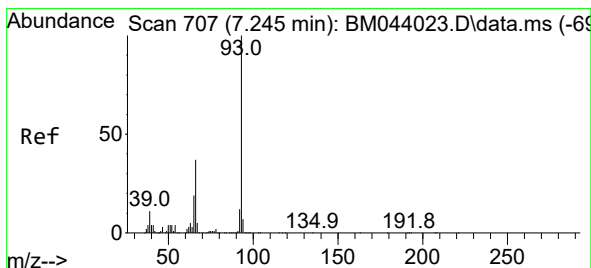
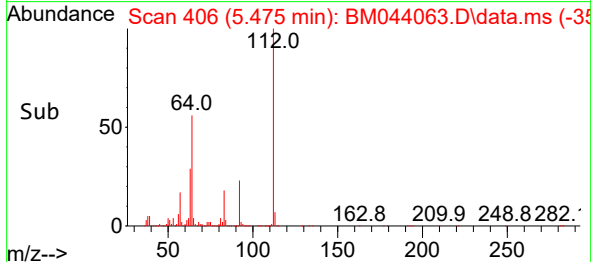
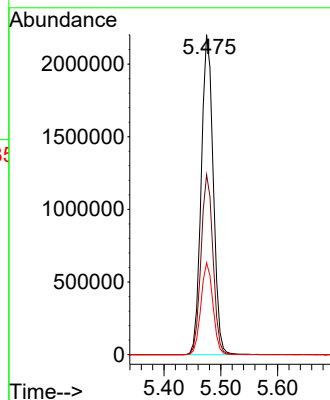
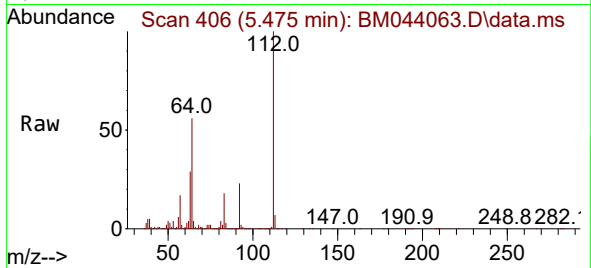




#5
2-Fluorophenol
Concen: 81.504 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

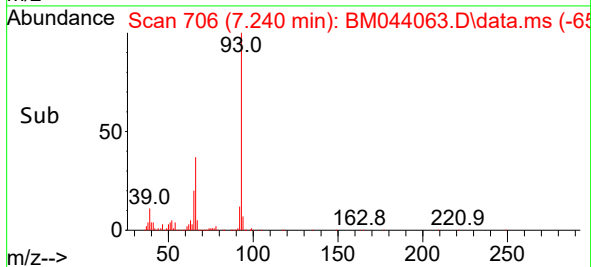
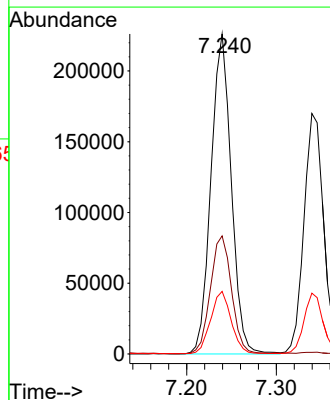
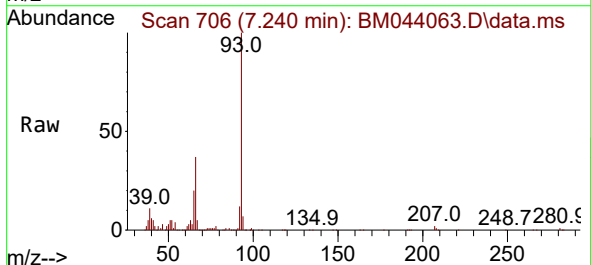
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2024

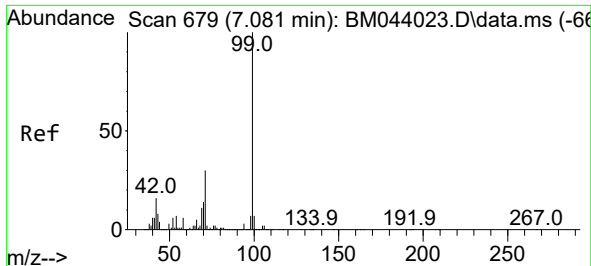
Tgt Ion:112 Resp: 3237805
Ion Ratio Lower Upper
112 100
64 56.2 44.2 66.4
63 28.7 22.6 34.0



#6
Aniline
Concen: 7.146 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 93 Resp: 355119
Ion Ratio Lower Upper
93 100
66 36.9 29.4 44.0
65 19.5 15.2 22.8

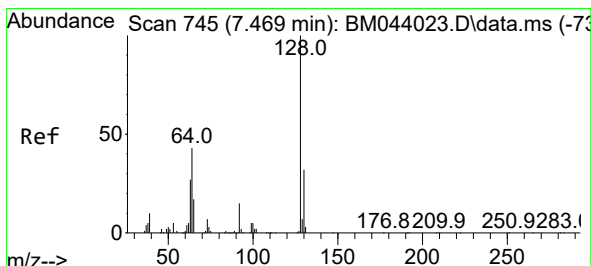
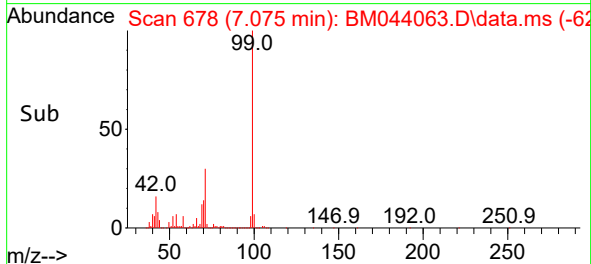
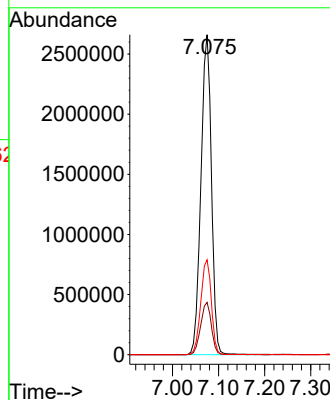
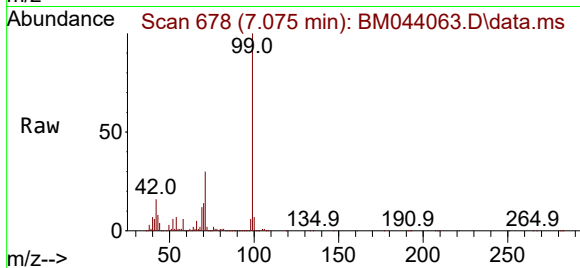




#7
Phenol-d6
Concen: 83.700 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

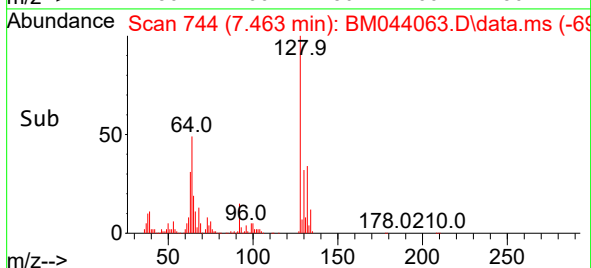
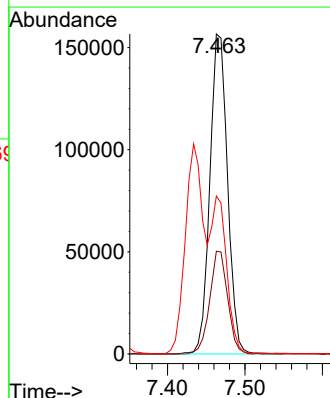
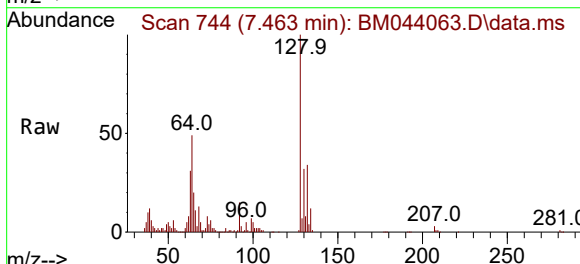
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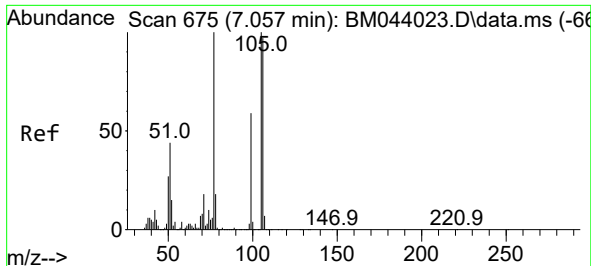
Tgt Ion: 99 Resp: 4230619
Ion Ratio Lower Upper
99 100
42 16.4 12.9 19.3
71 29.6 23.9 35.9



#8
2-Chlorophenol
Concen: 5.994 ng
RT: 7.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 128 Resp: 248654
Ion Ratio Lower Upper
128 100
130 32.1 12.1 52.1
64 49.3 26.0 66.0

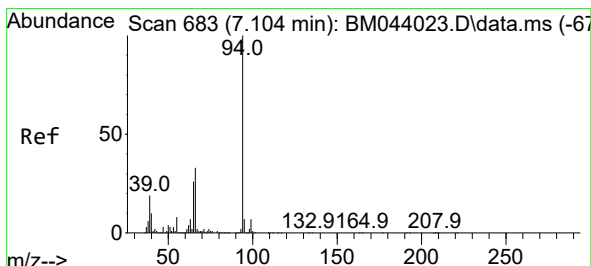
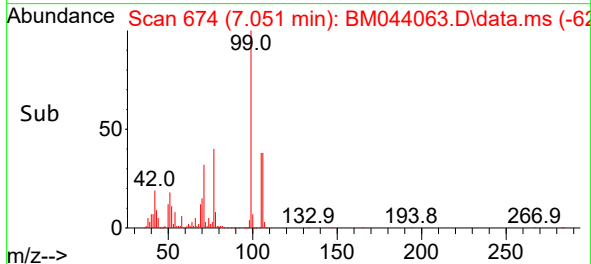
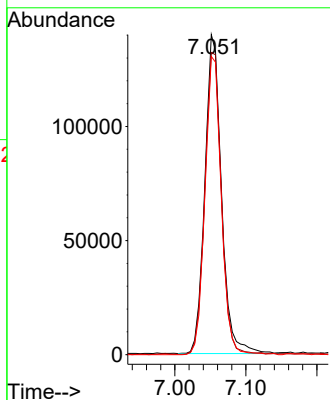
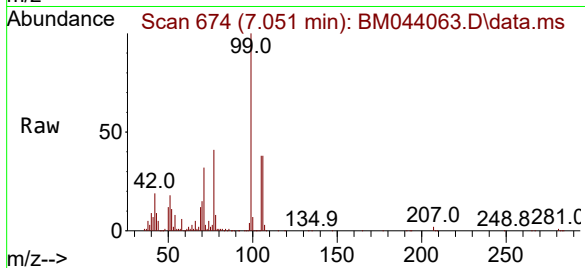




#9
Benzaldehyde
Concen: 8.767 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

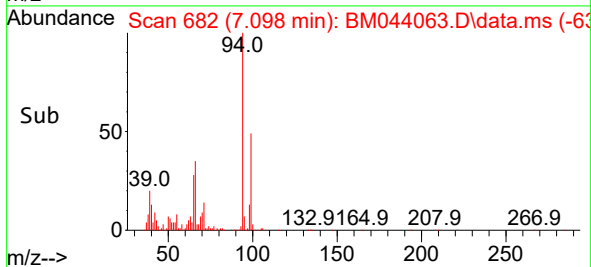
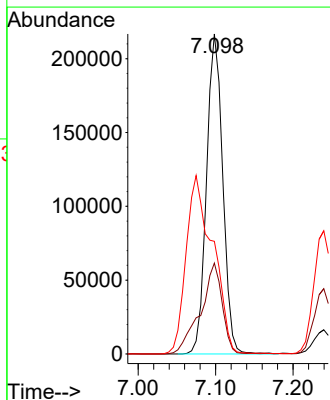
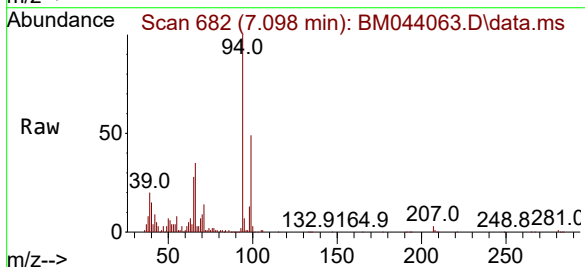
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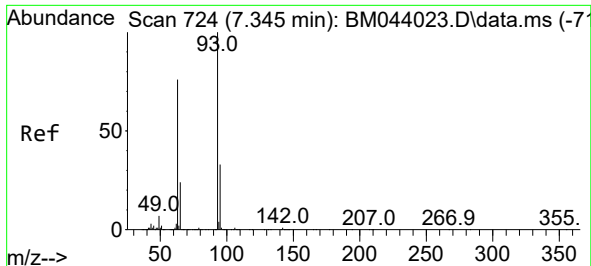
Tgt Ion: 77 Resp: 227732
Ion Ratio Lower Upper
77 100
105 94.4 80.0 120.0
106 93.2 76.8 116.8



#10
Phenol
Concen: 6.186 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 94 Resp: 315580
Ion Ratio Lower Upper
94 100
65 28.4 6.4 46.4
66 35.2 13.2 53.2





#11

bis(2-Chloroethyl)ether

Concen: 6.132 ng

RT: 7.340 min Scan# 7

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

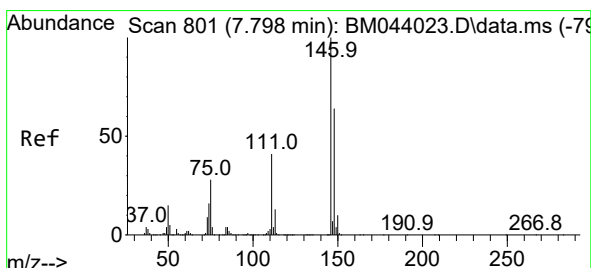
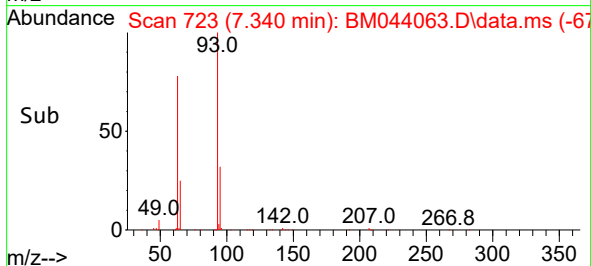
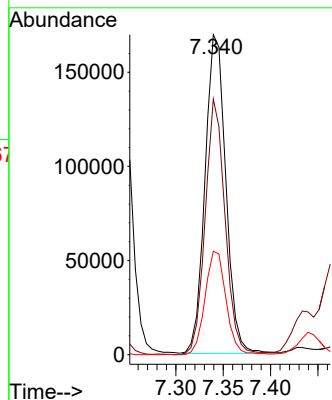
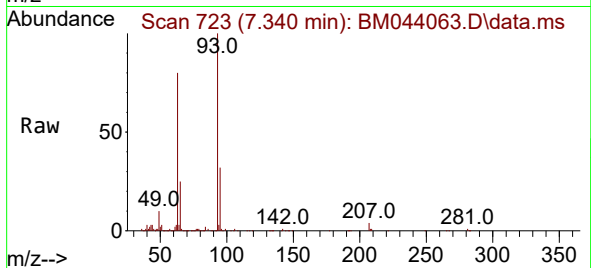
Tgt Ion: 93 Resp: 259035

Ion Ratio Lower Upper

93 100

63 79.9 55.9 95.9

95 32.4 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 5.787 ng

RT: 7.792 min Scan# 800

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

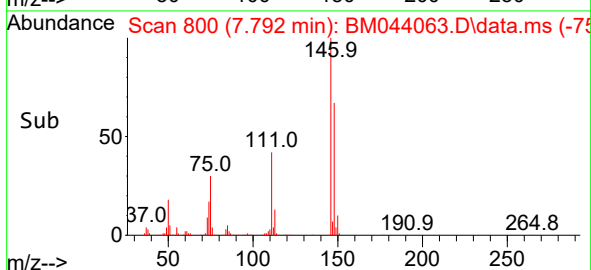
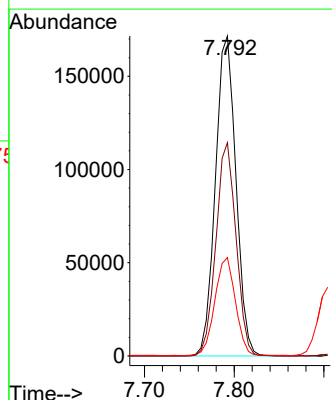
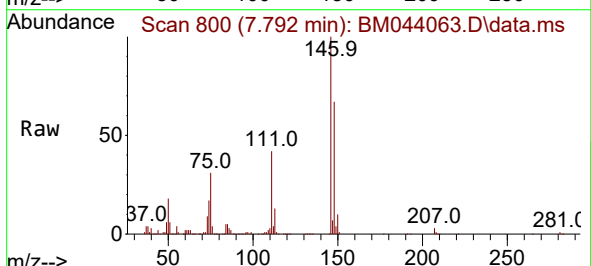
Tgt Ion:146 Resp: 272562

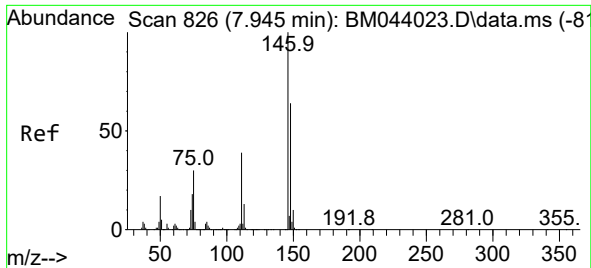
Ion Ratio Lower Upper

146 100

148 66.7 51.3 76.9

75 30.7 22.7 34.1

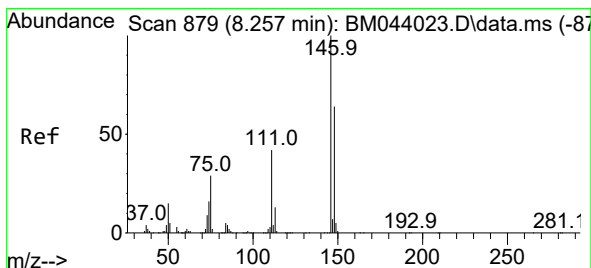
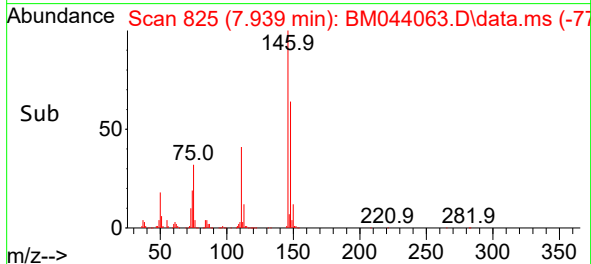
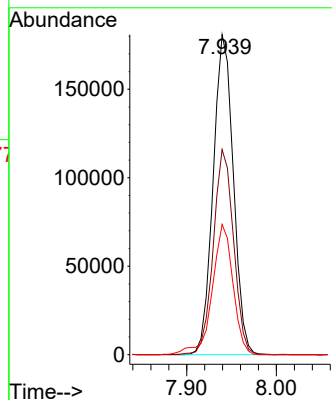
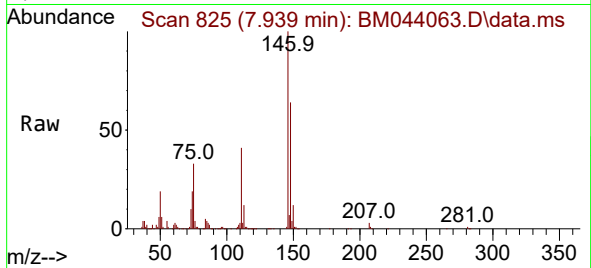




#13
1,4-Dichlorobenzene
Concen: 5.950 ng
RT: 7.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

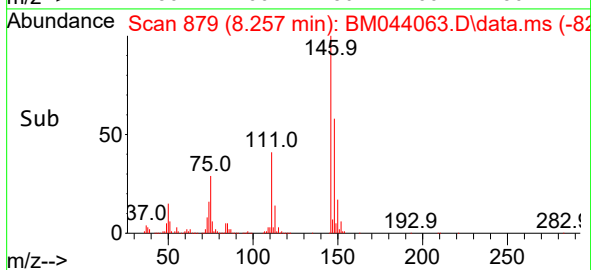
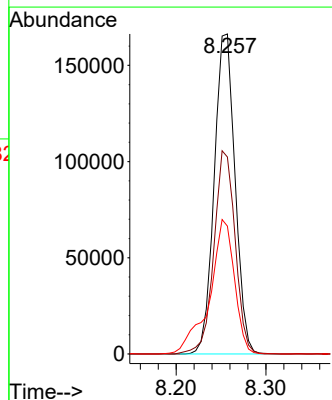
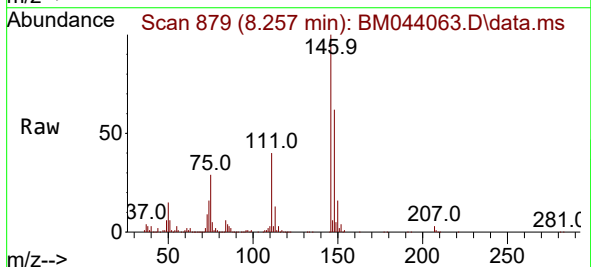
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

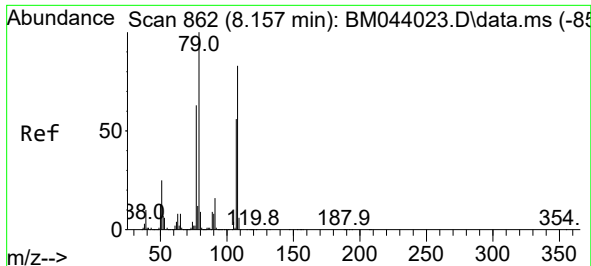
Tgt Ion:146 Resp: 282489
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
111 40.7 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 5.928 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:146 Resp: 268193
Ion Ratio Lower Upper
146 100
148 61.5 51.4 77.2
111 40.0 33.7 50.5

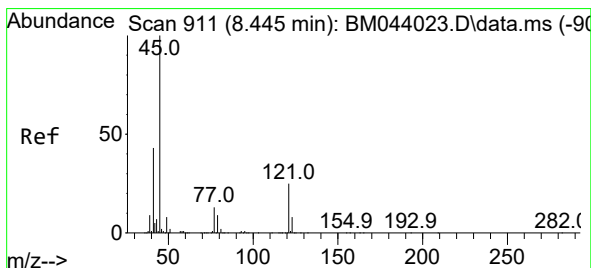
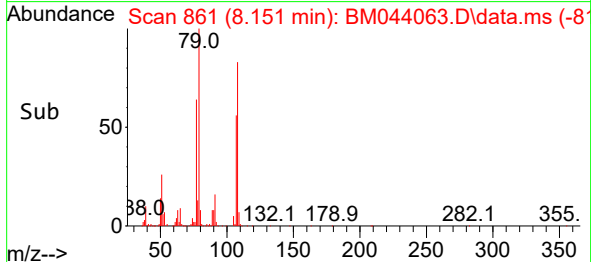
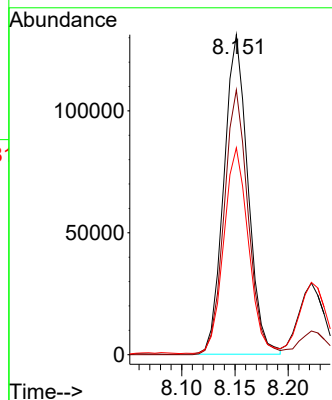
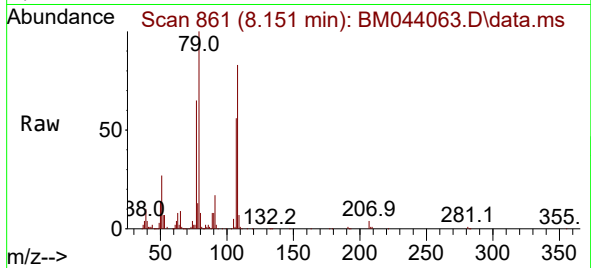




#15
Benzyl Alcohol
Concen: 6.249 ng
RT: 8.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

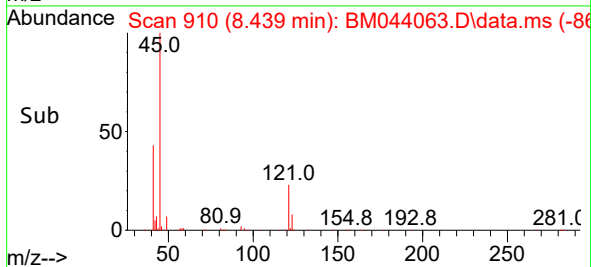
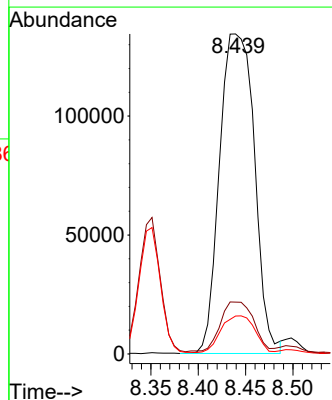
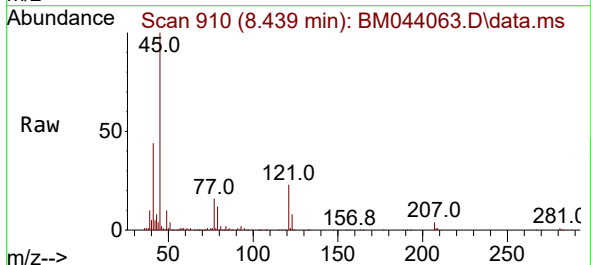
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

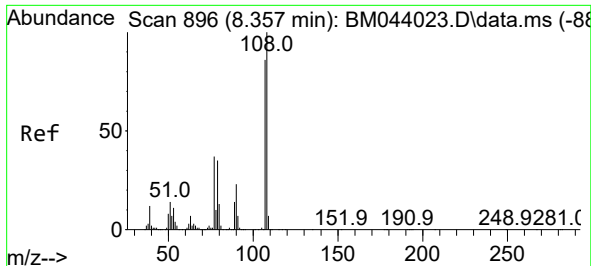
Tgt Ion: 79 Resp: 205650
Ion Ratio Lower Upper
79 100
108 82.8 66.0 99.0
77 64.6 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.420 ng
RT: 8.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 45 Resp: 343822
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.1
79 11.9 0.0 31.5

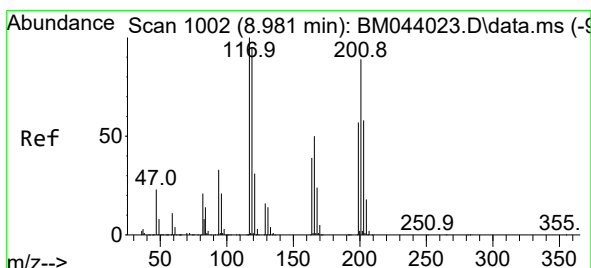
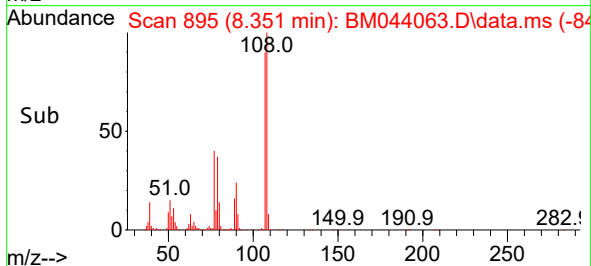
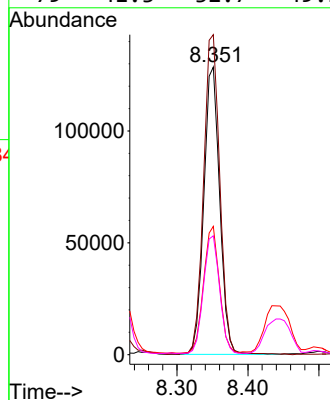
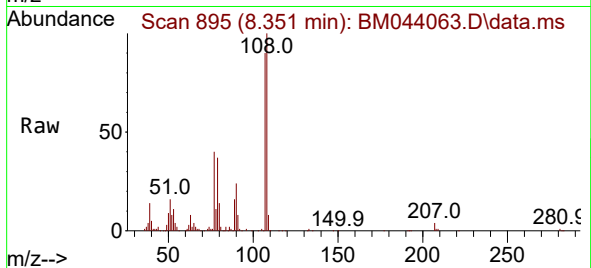




#17
2-Methylphenol
Concen: 5.971 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

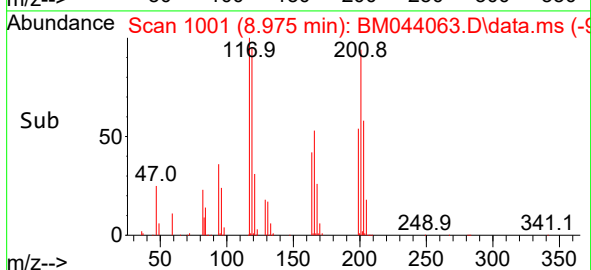
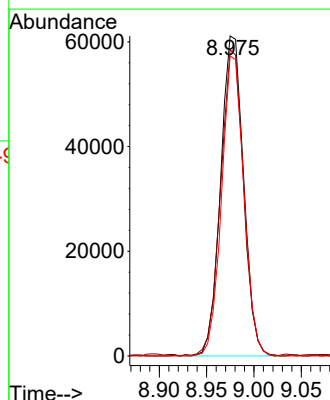
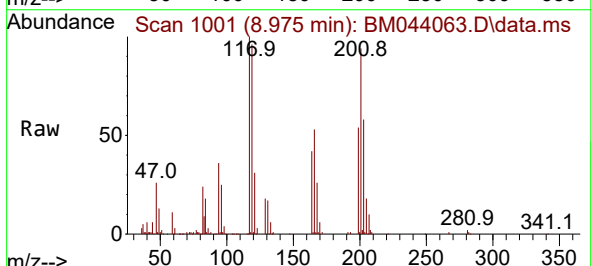
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

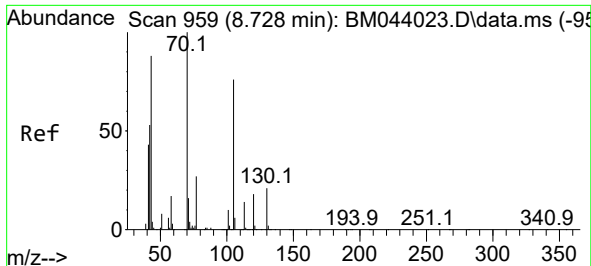
Tgt Ion:	107	Resp:	199936
Ion Ratio	Lower	Upper	
107	100		
108	111.2	93.4	140.2
77	44.6	34.7	52.1
79	41.3	32.7	49.1



#18
Hexachloroethane
Concen: 5.795 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:	117	Resp:	103016
Ion Ratio	Lower	Upper	
117	100		
119	95.7	75.7	113.5
201	93.8	71.5	107.3

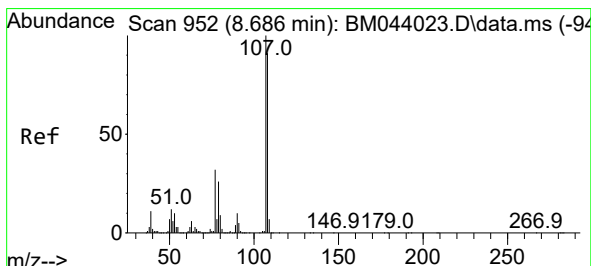
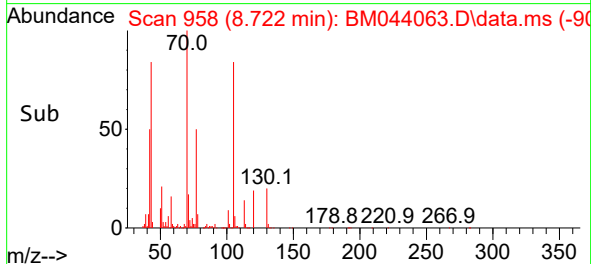
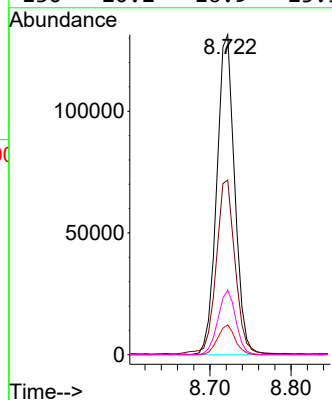
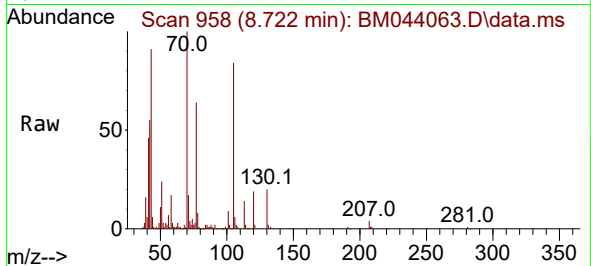




#19
n-Nitroso-di-n-propylamine
Concen: 6.517 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

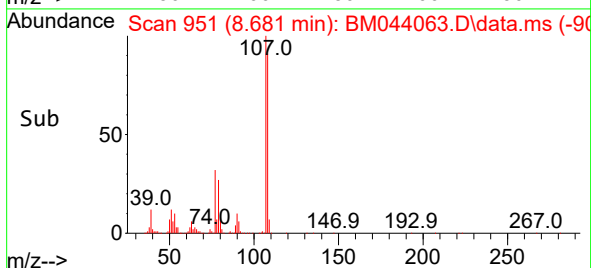
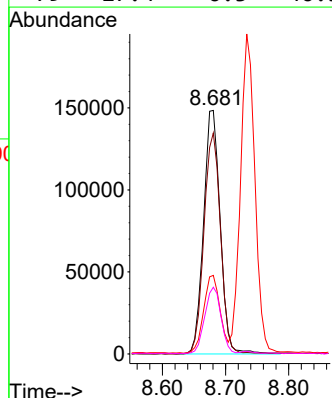
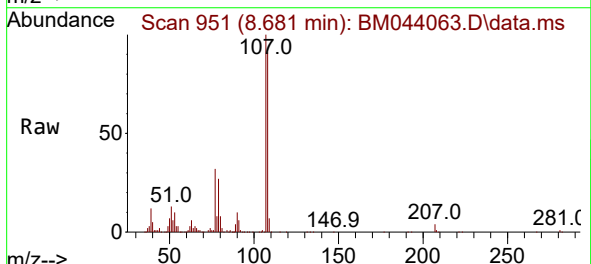
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

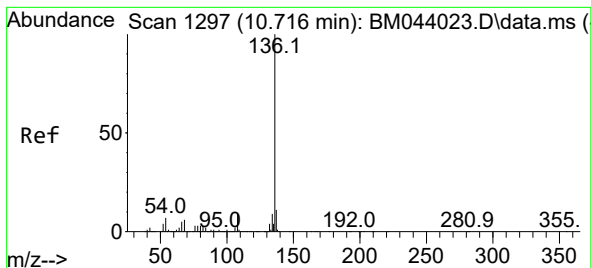
Tgt Ion: 70 Resp: 202257
Ion Ratio Lower Upper
70 100
42 54.6 42.6 64.0
101 9.3 7.8 11.6
130 20.2 16.9 25.3



#20
3+4-Methylphenols
Concen: 5.899 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 107 Resp: 271871
Ion Ratio Lower Upper
107 100
108 90.7 71.5 111.5
77 32.2 11.8 51.8
79 27.4 6.3 46.3

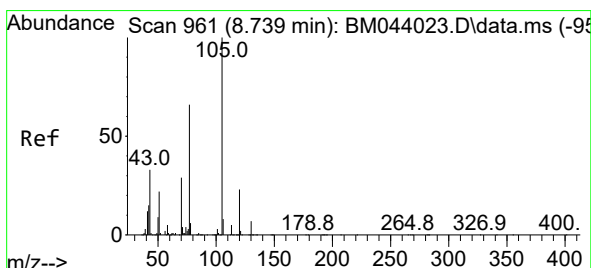
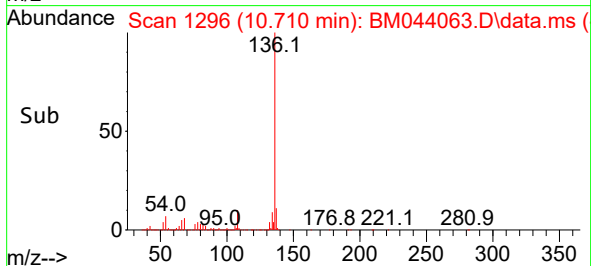
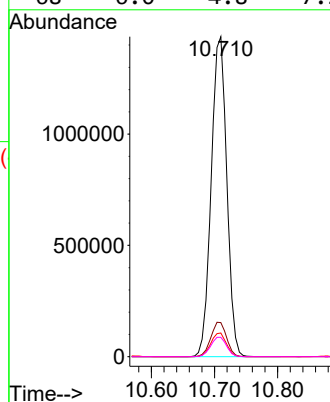
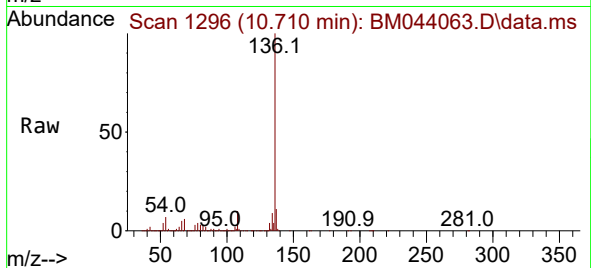




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

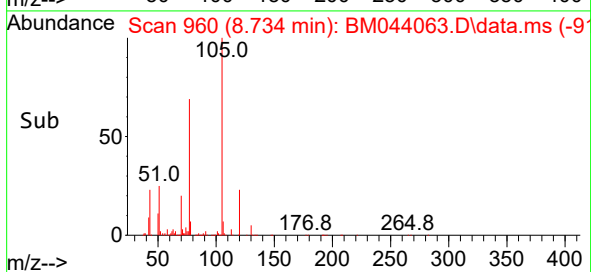
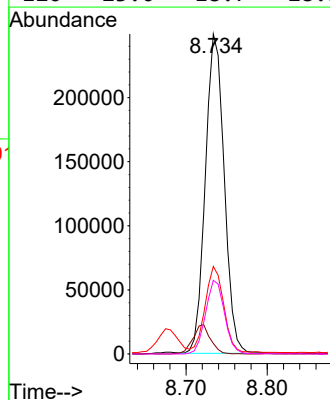
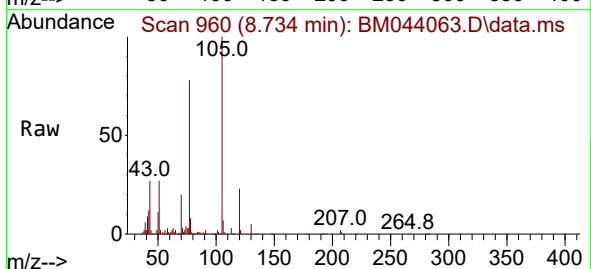
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

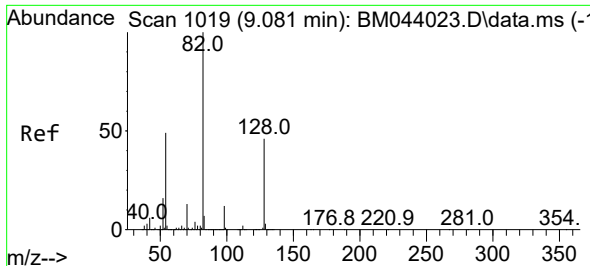
Tgt Ion:136 Resp: 2458831
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.4 5.9 8.9
68 6.0 4.8 7.2



#22
Acetophenone
Concen: 6.444 ng
RT: 8.734 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:105 Resp: 402210
Ion Ratio Lower Upper
105 100
71 3.3 4.0 6.0#
51 27.4 20.1 30.1
120 23.0 18.7 28.1

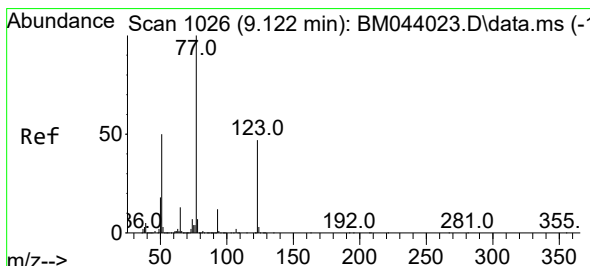
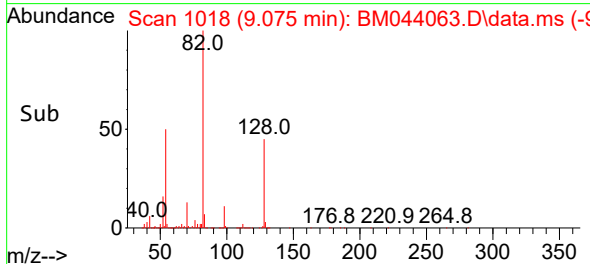
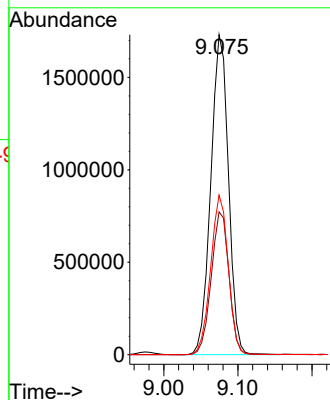
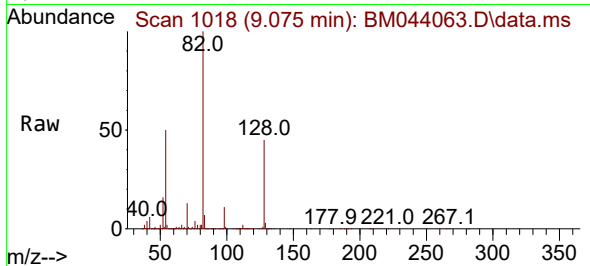




#23
Nitrobenzene-d5
Concen: 61.788 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

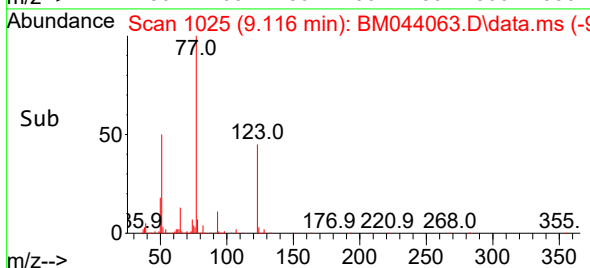
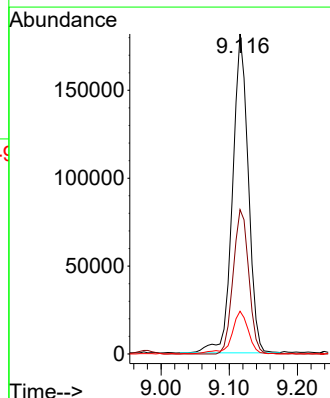
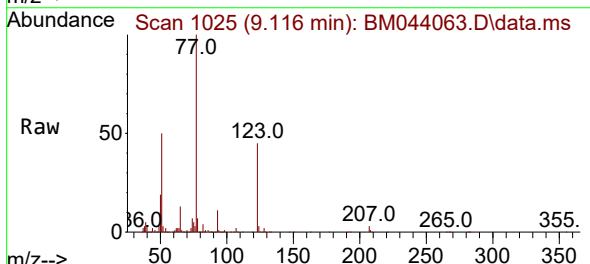
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

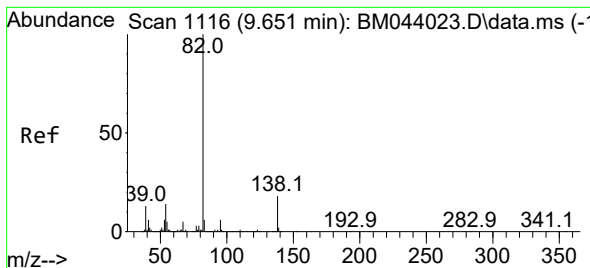
Tgt Ion: 82 Resp: 2863104
Ion Ratio Lower Upper
82 100
128 44.7 37.1 55.7
54 49.9 38.9 58.3



#24
Nitrobenzene
Concen: 6.150 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 77 Resp: 291837
Ion Ratio Lower Upper
77 100
123 45.1 37.8 56.8
65 13.3 10.5 15.7





#25

Isophorone

Concen: 6.120 ng

RT: 9.639 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

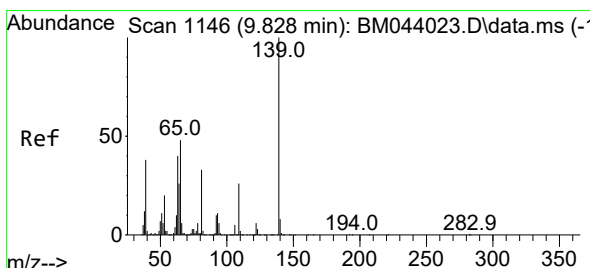
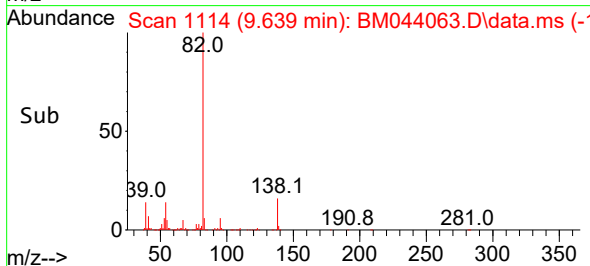
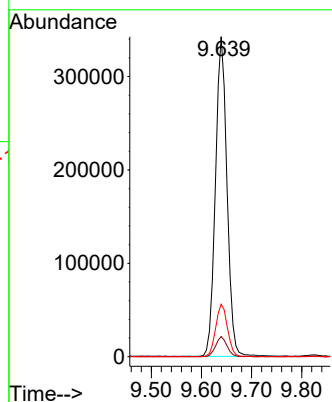
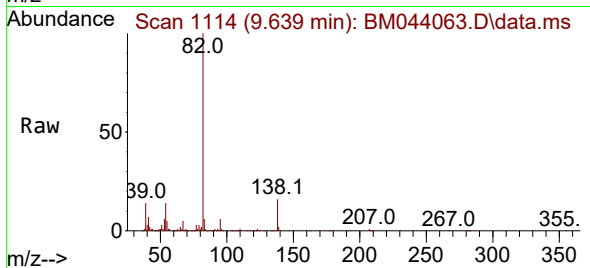
Tgt Ion: 82 Resp: 546016

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 16.4 14.3 21.5



#26

2-Nitrophenol

Concen: 5.274 ng

RT: 9.822 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

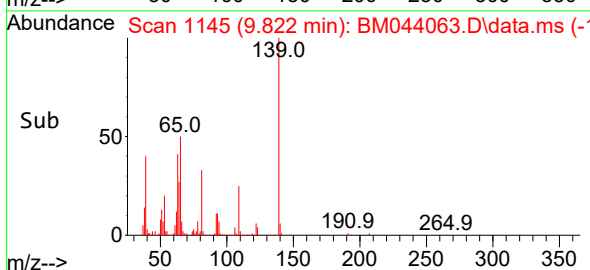
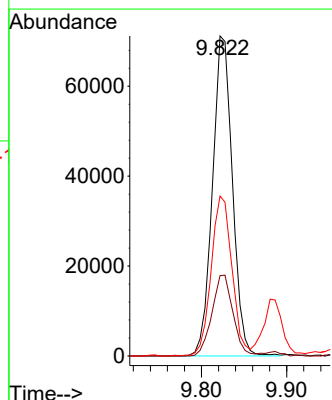
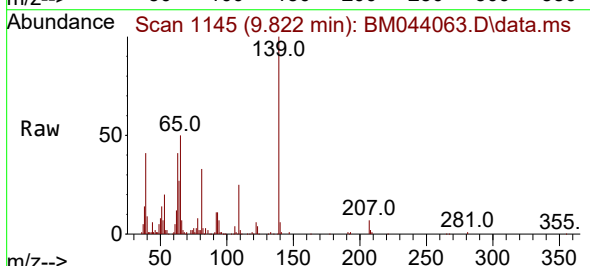
Tgt Ion: 139 Resp: 116021

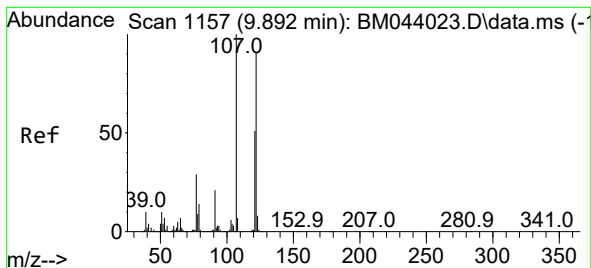
Ion Ratio Lower Upper

139 100

109 25.1 21.2 31.8

65 50.0 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 6.851 ng

RT: 9.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

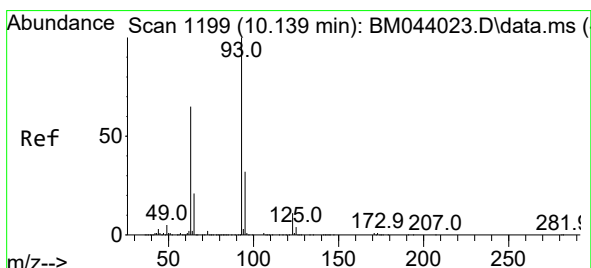
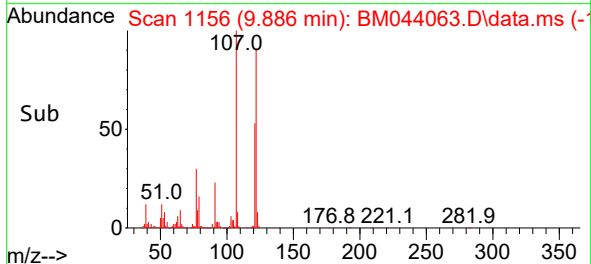
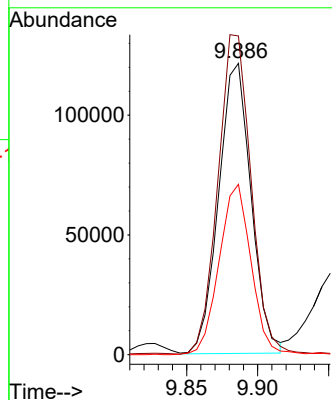
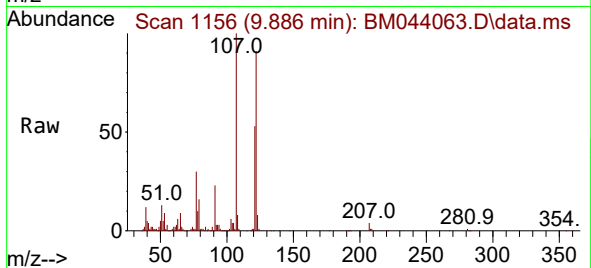
Tgt Ion:122 Resp: 192712

Ion Ratio Lower Upper

122 100

107 109.4 87.8 131.8

121 58.5 44.7 67.1



#28

bis(2-Chloroethoxy)methane

Concen: 6.236 ng

RT: 10.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

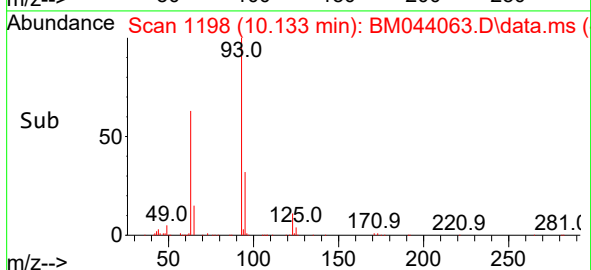
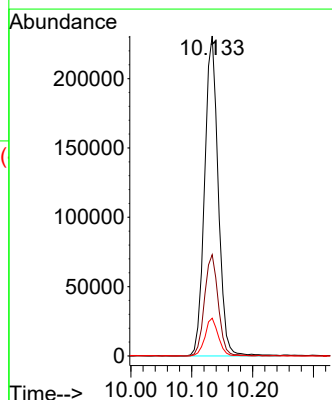
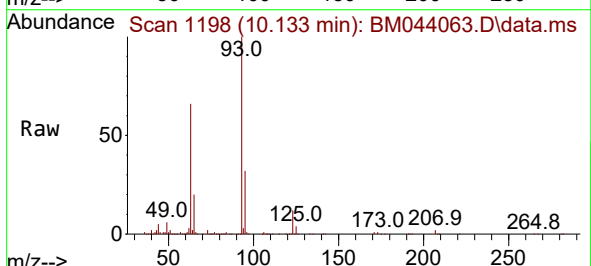
Tgt Ion: 93 Resp: 359871

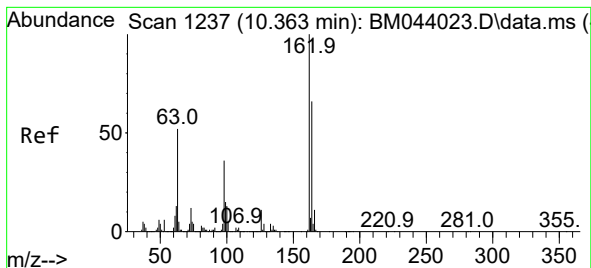
Ion Ratio Lower Upper

93 100

95 31.6 26.0 39.0

123 11.8 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 5.722 ng

RT: 10.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

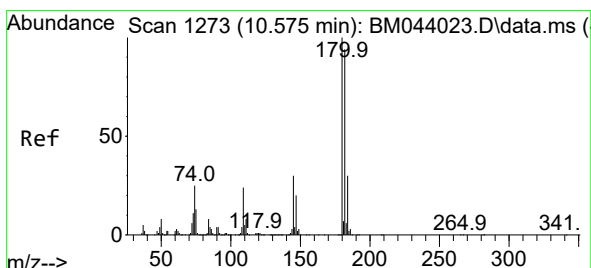
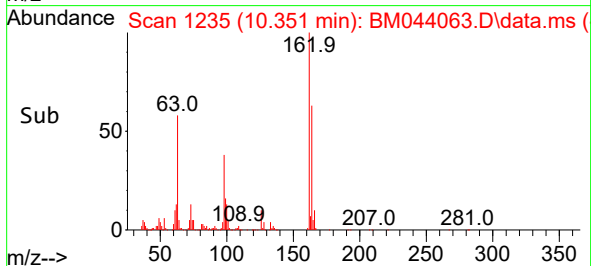
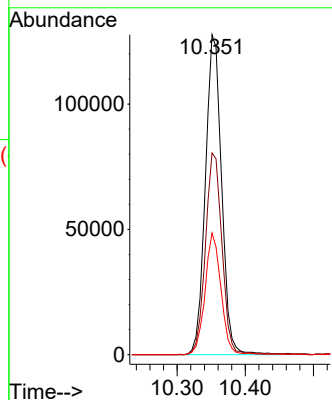
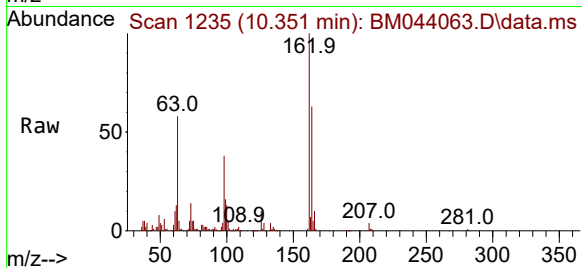
Tgt Ion:162 Resp: 211920

Ion Ratio Lower Upper

162 100

164 63.1 46.1 86.1

98 38.0 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 5.797 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

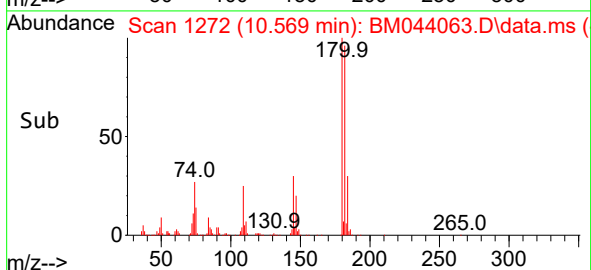
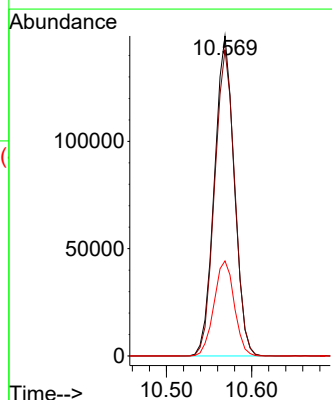
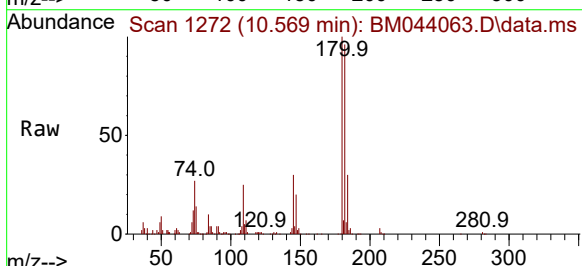
Tgt Ion:180 Resp: 241427

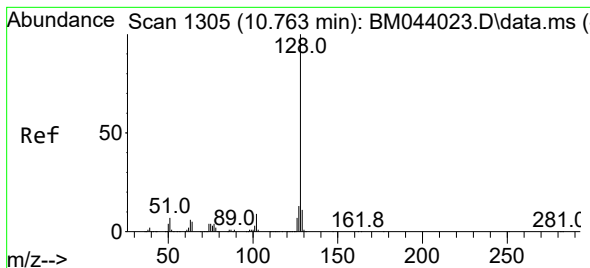
Ion Ratio Lower Upper

180 100

182 95.7 75.2 112.8

145 29.7 24.3 36.5





#31

Naphthalene

Concen: 6.042 ng

RT: 10.757 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

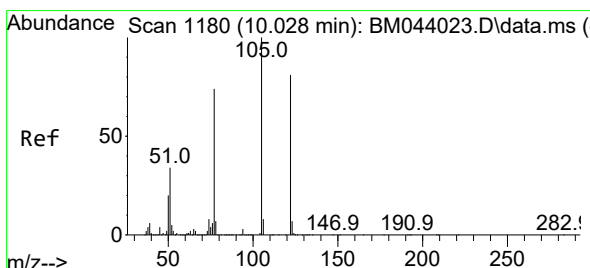
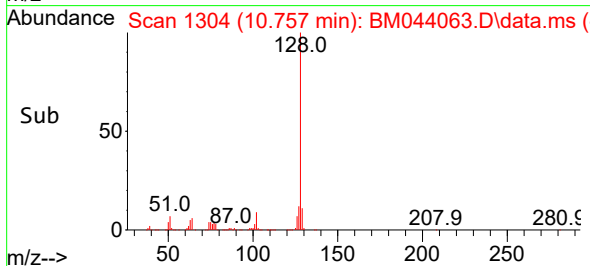
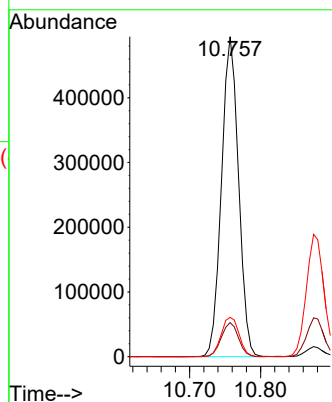
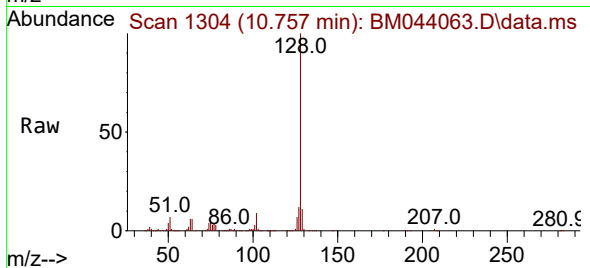
Tgt Ion:128 Resp: 819979

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

127 12.3 10.3 15.5



#32

Benzoic acid

Concen: 3.165 ng

RT: 9.957 min Scan# 1168

Delta R.T. -0.071 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

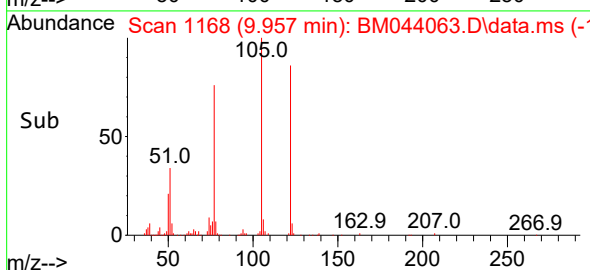
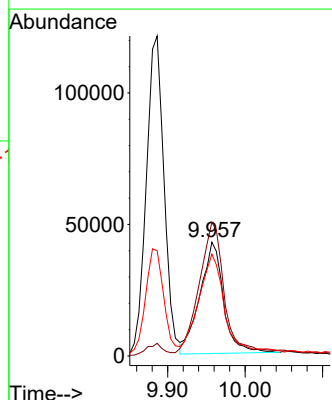
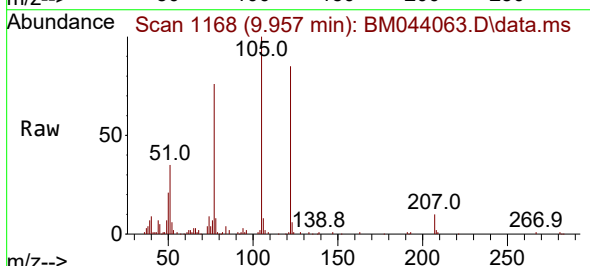
Tgt Ion:122 Resp: 89697

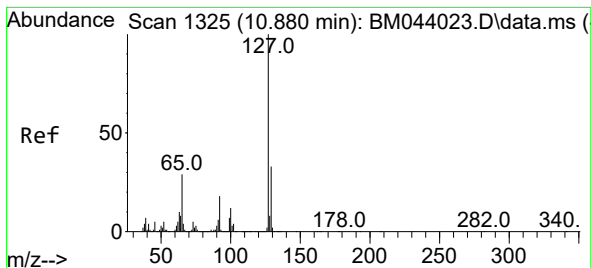
Ion Ratio Lower Upper

122 100

105 117.4 100.1 140.1

77 89.5 69.6 109.6





#33

4-Chloroaniline

Concen: 6.381 ng

RT: 10.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:127 Resp: 327923

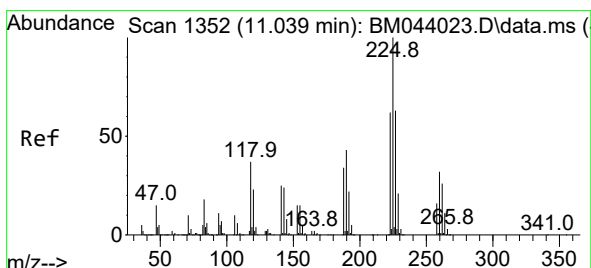
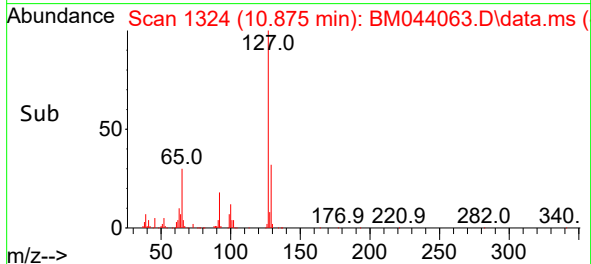
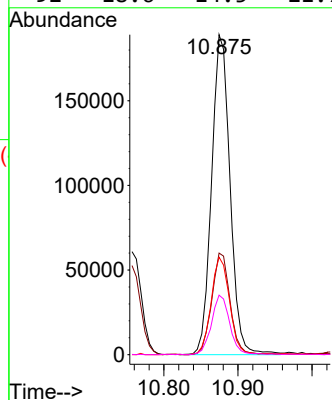
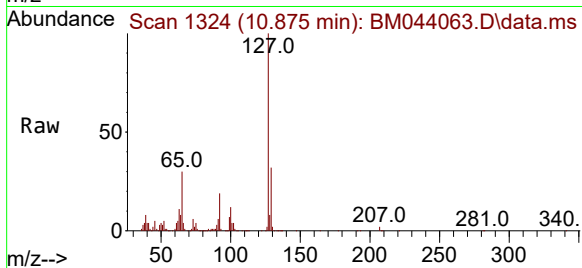
Ion Ratio Lower Upper

127 100

129 31.8 26.0 39.0

65 30.4 23.0 34.6

92 18.6 14.5 21.7



#34

Hexachlorobutadiene

Concen: 5.566 ng

RT: 11.033 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

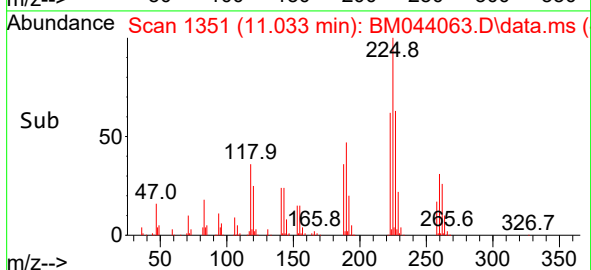
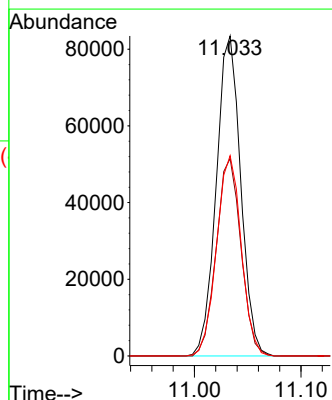
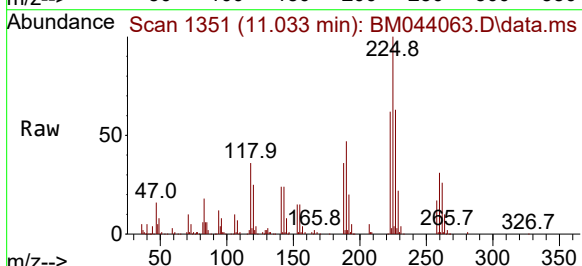
Tgt Ion:225 Resp: 132684

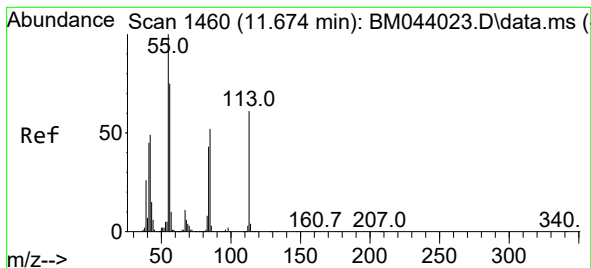
Ion Ratio Lower Upper

225 100

223 59.1 49.9 74.9

227 59.9 50.6 76.0





#35

Caprolactam

Concen: 5.564 ng

RT: 11.645 min Scan# 1460

Delta R.T. -0.029 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

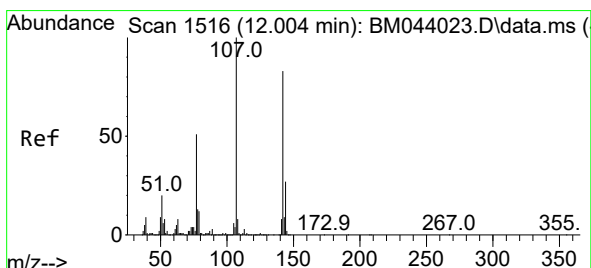
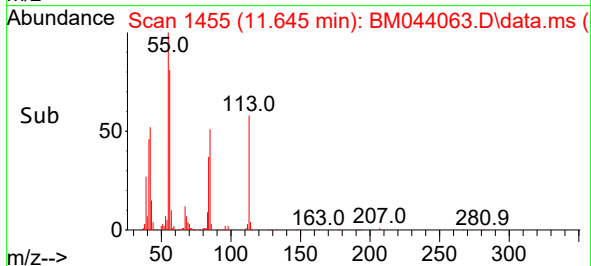
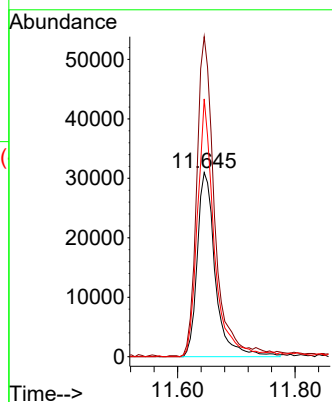
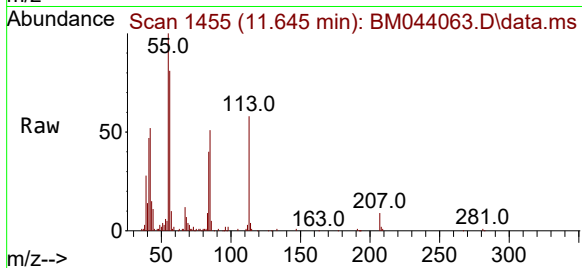
Tgt Ion:113 Resp: 66311

Ion Ratio Lower Upper

113 100

55 173.7 145.6 185.6

56 140.0 103.3 143.3



#36

4-Chloro-3-methylphenol

Concen: 5.708 ng

RT: 11.998 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

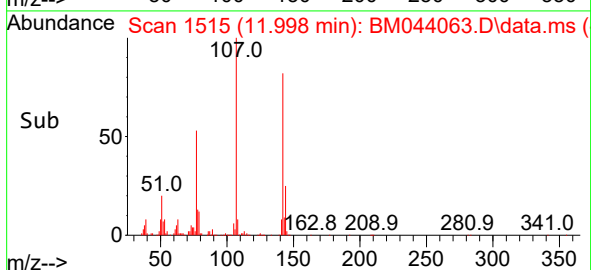
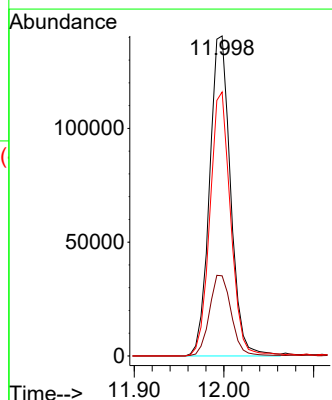
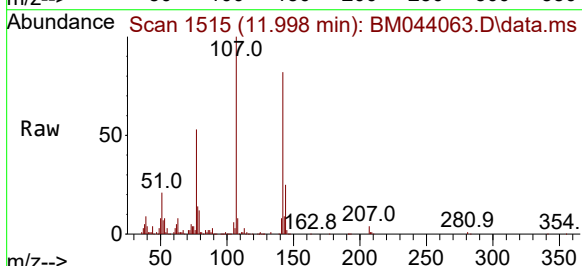
Tgt Ion:107 Resp: 228909

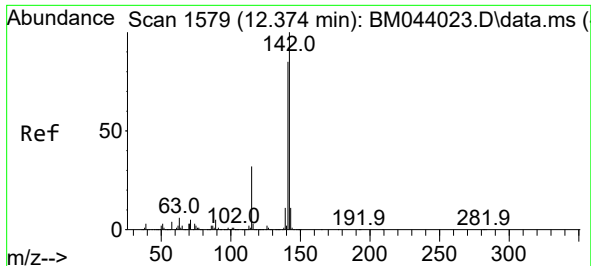
Ion Ratio Lower Upper

107 100

144 25.0 21.3 31.9

142 82.5 66.2 99.4

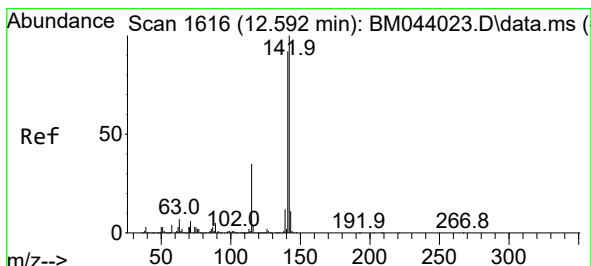
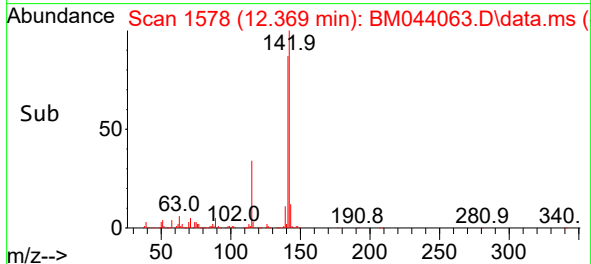
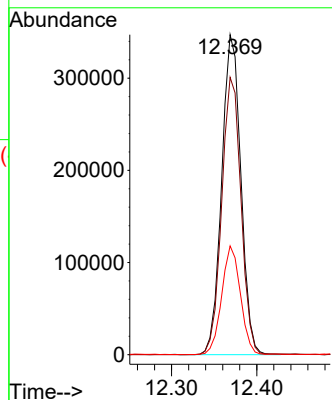
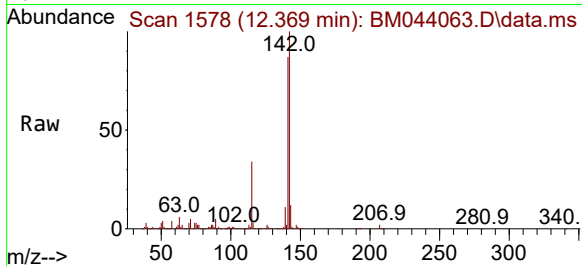




#37
2-Methylnaphthalene
Concen: 6.018 ng
RT: 12.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

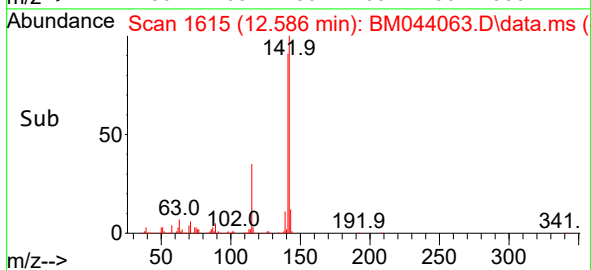
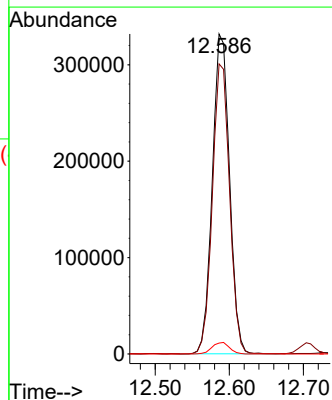
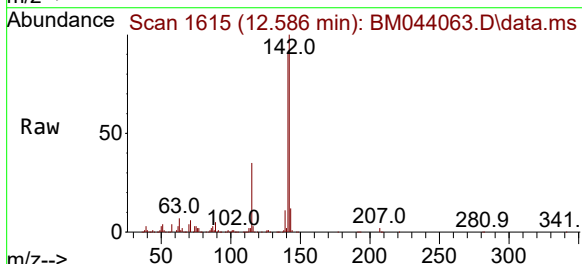
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

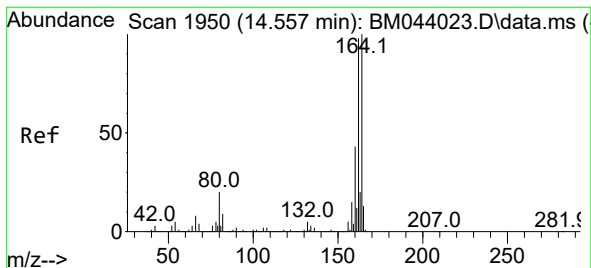
Tgt Ion:142 Resp: 544017
Ion Ratio Lower Upper
142 100
141 86.7 68.3 102.5
115 34.0 25.7 38.5



#38
1-Methylnaphthalene
Concen: 5.995 ng
RT: 12.586 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:142 Resp: 532458
Ion Ratio Lower Upper
142 100
141 90.6 73.4 110.0
116 3.4 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: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

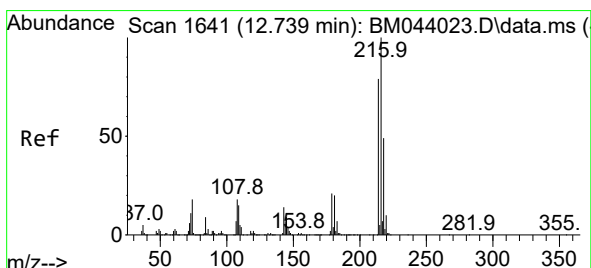
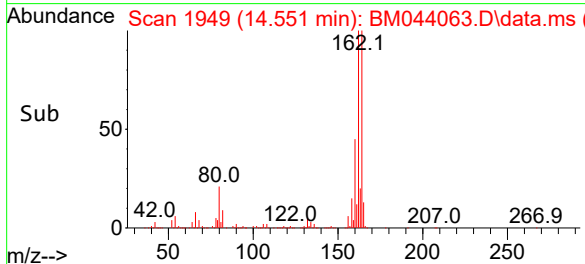
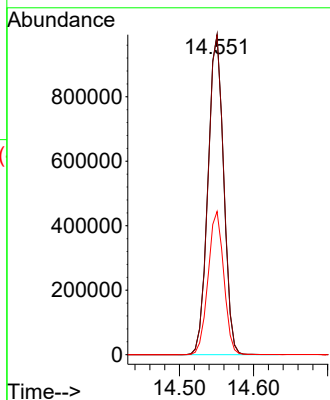
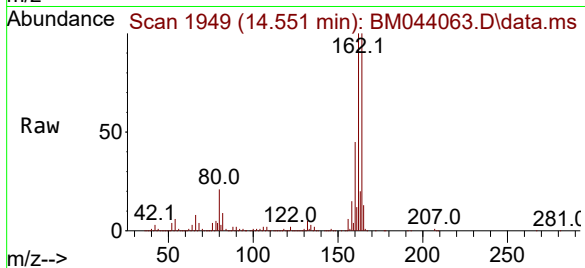
Tgt Ion:164 Resp: 1455035

Ion Ratio Lower Upper

164 100

162 99.9 78.4 117.6

160 44.8 34.6 51.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.144 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:216 Resp: 259852

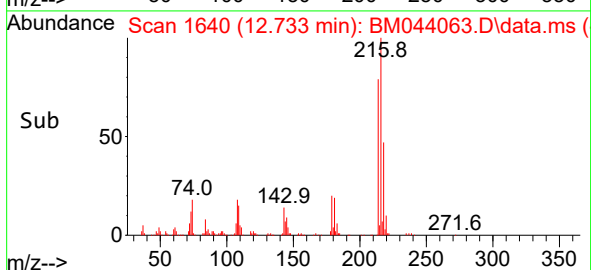
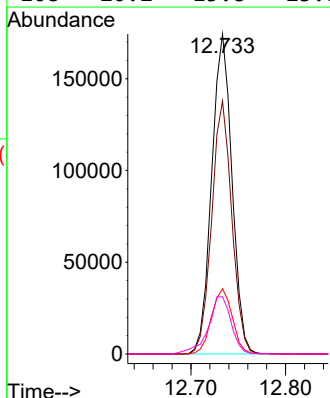
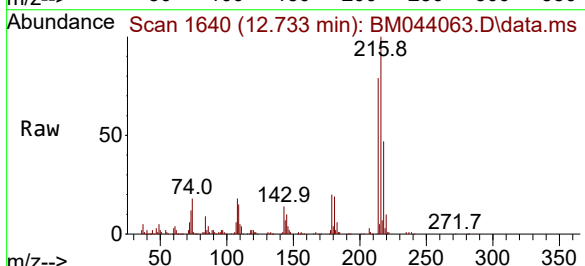
Ion Ratio Lower Upper

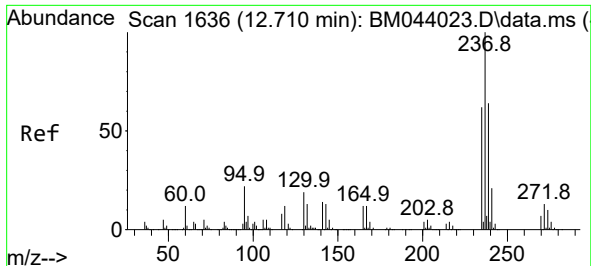
216 100

214 78.3 63.1 94.7

179 20.9 17.0 25.6

108 20.2 15.8 23.8

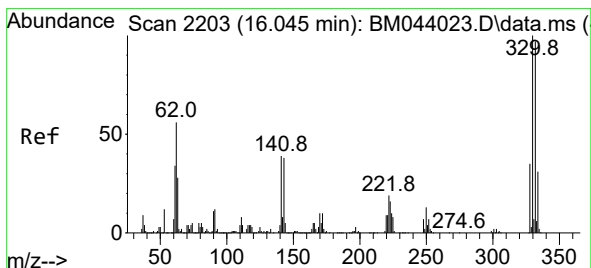
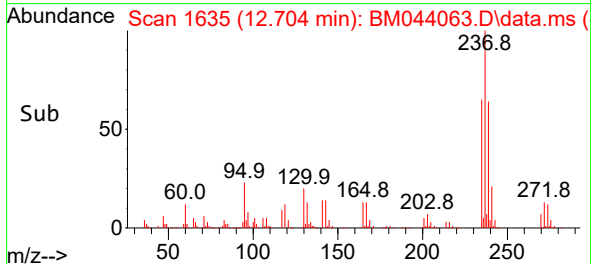
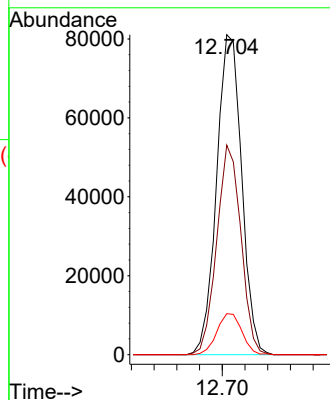
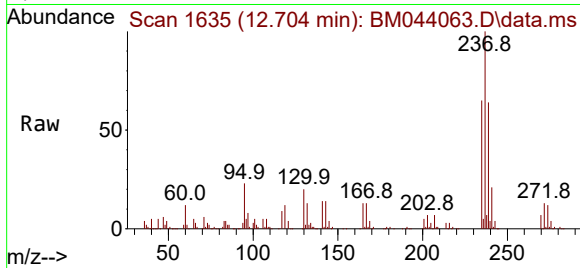




#41
Hexachlorocyclopentadiene
Concen: 6.747 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

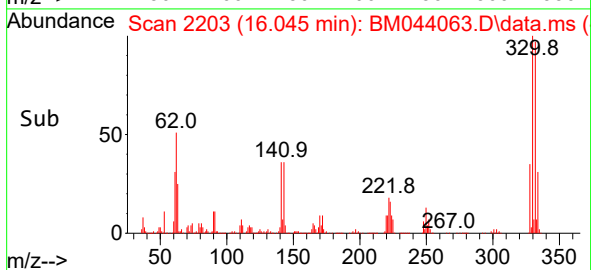
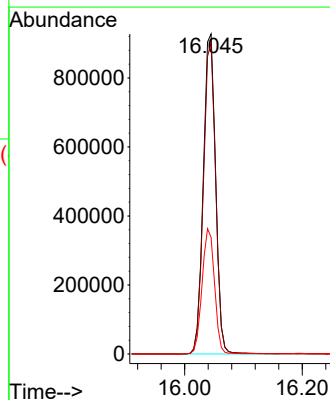
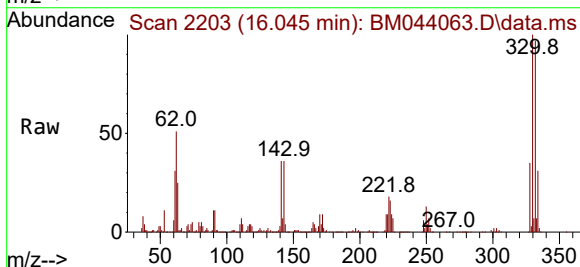
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

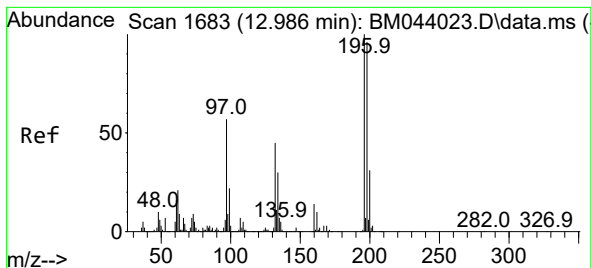
Tgt Ion:237 Resp: 124528
Ion Ratio Lower Upper
237 100
235 65.5 42.4 82.4
272 12.8 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 86.201 ng
RT: 16.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:330 Resp: 1358008
Ion Ratio Lower Upper
330 100
332 96.3 77.7 116.5
141 39.6 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 5.494 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

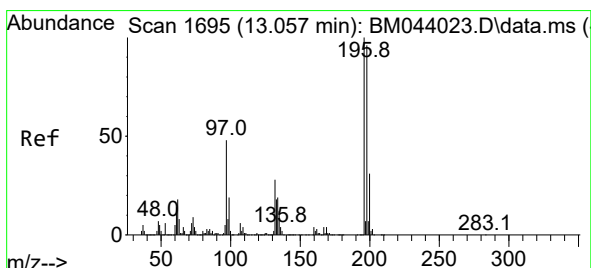
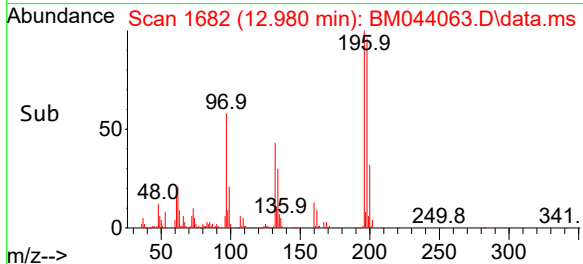
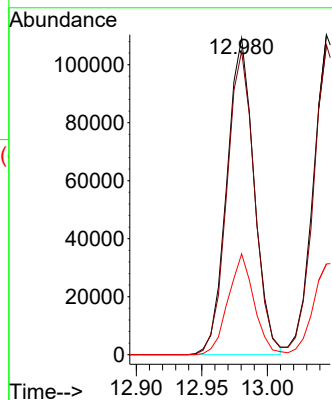
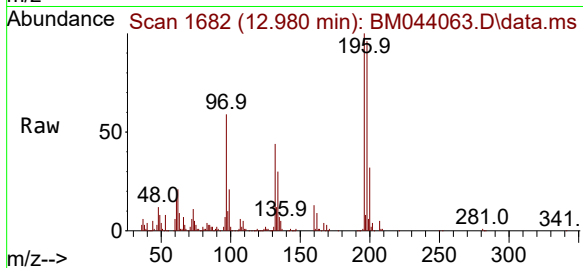
Tgt Ion:196 Resp: 158140

Ion Ratio Lower Upper

196 100

198 95.8 76.8 115.2

200 31.8 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 5.431 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:196 Resp: 171547

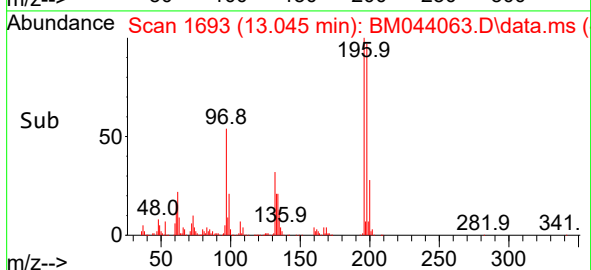
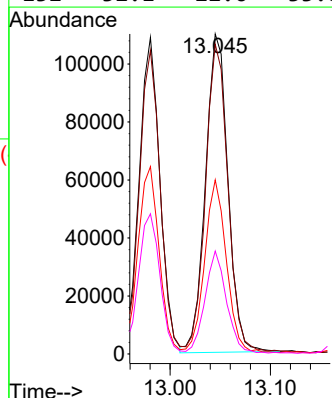
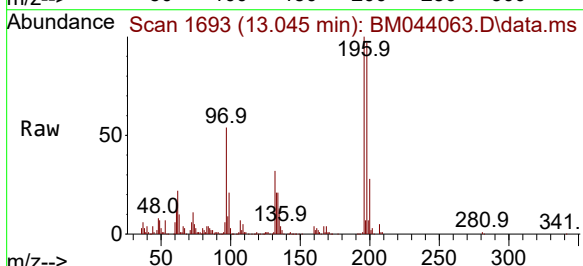
Ion Ratio Lower Upper

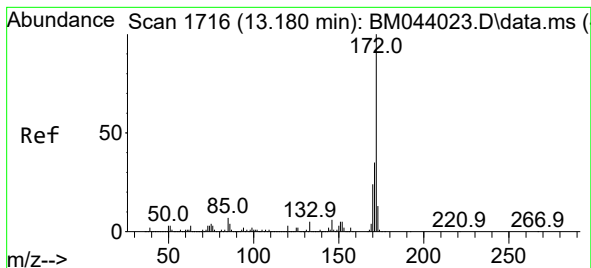
196 100

198 96.8 76.9 115.3

97 54.4 39.0 58.4

132 32.1 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 59.949 ng

RT: 13.174 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

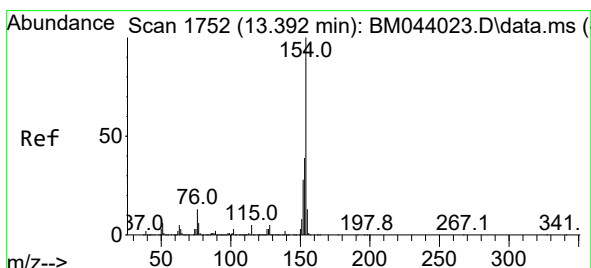
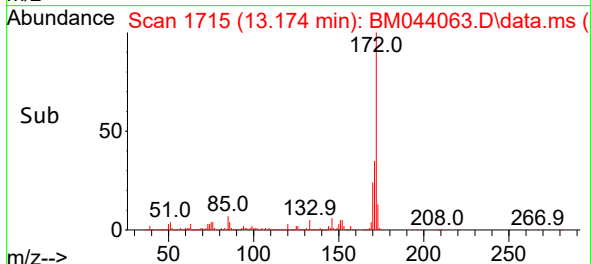
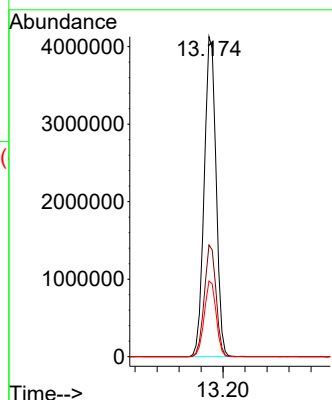
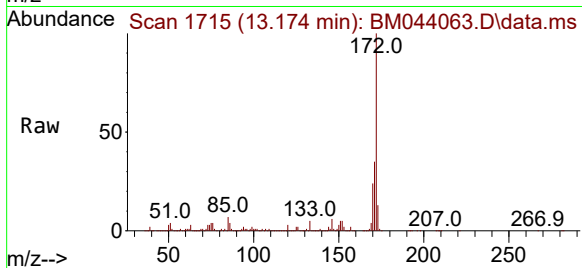
Tgt Ion:172 Resp: 6180583

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

170 23.6 19.0 28.4



#46

1,1'-Biphenyl

Concen: 6.402 ng

RT: 13.386 min Scan# 1751

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

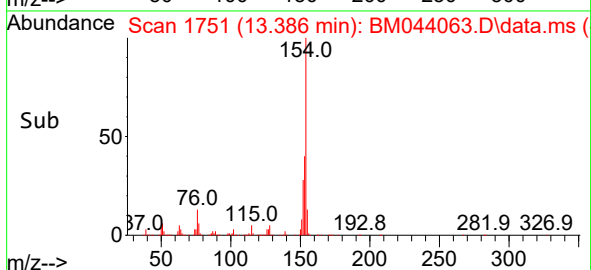
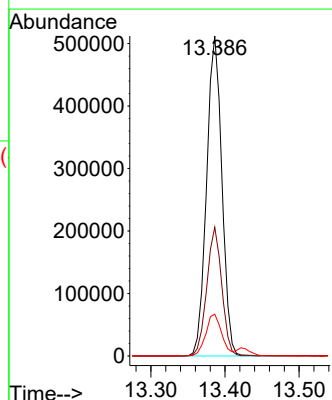
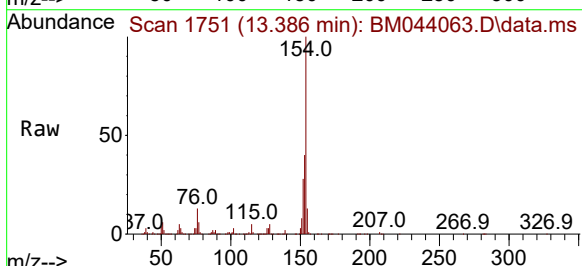
Tgt Ion:154 Resp: 735072

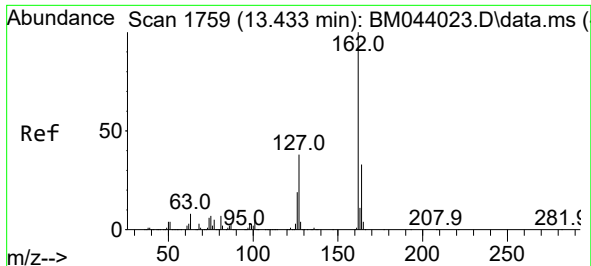
Ion Ratio Lower Upper

154 100

153 40.2 19.4 59.4

76 13.0 0.0 32.9

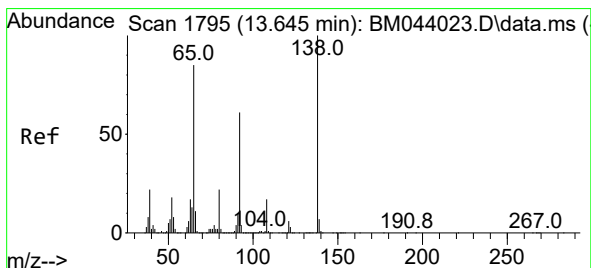
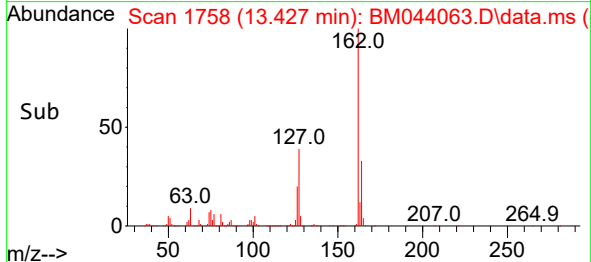
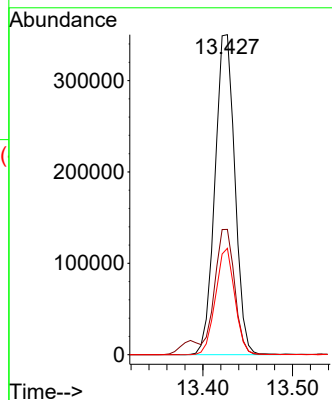
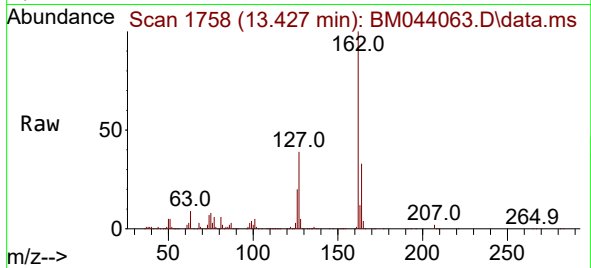




#47
2-Chloronaphthalene
Concen: 5.939 ng
RT: 13.427 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

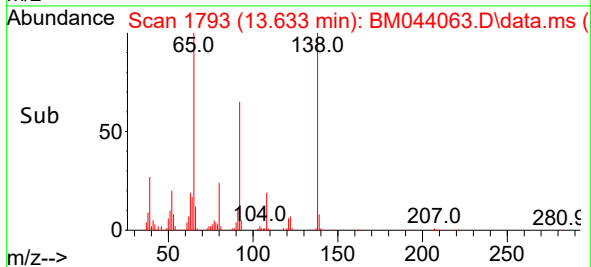
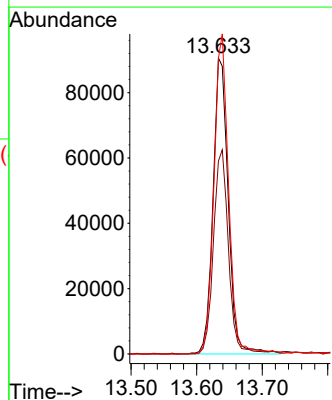
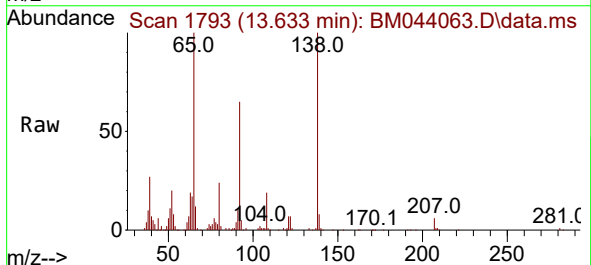
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

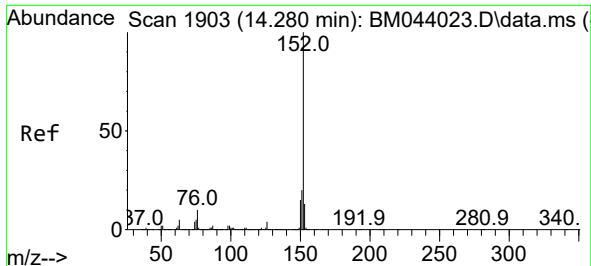
Tgt Ion:162 Resp: 540139
Ion Ratio Lower Upper
162 100
127 39.2 30.9 46.3
164 33.3 26.4 39.6



#48
2-Nitroaniline
Concen: 5.701 ng
RT: 13.633 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 65 Resp: 145854
Ion Ratio Lower Upper
65 100
92 65.2 58.1 87.1
138 99.8 94.6 142.0

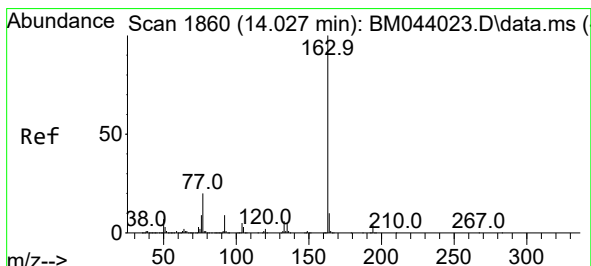
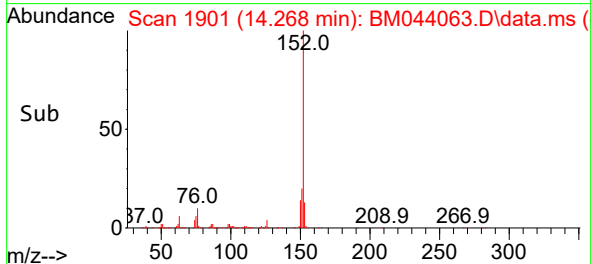
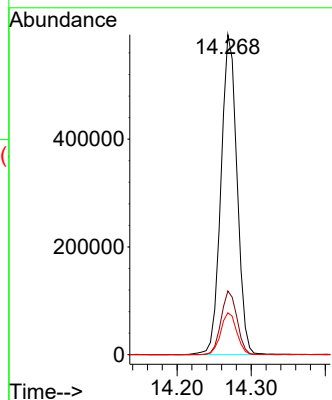
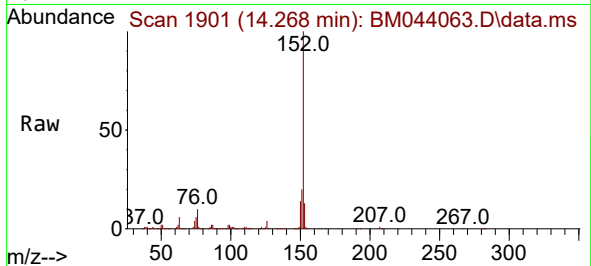




#49
Acenaphthylene
Concen: 6.592 ng
RT: 14.268 min Scan# 1903
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

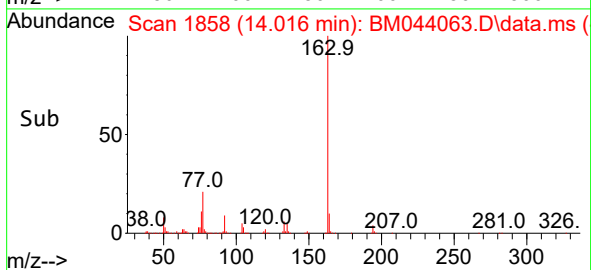
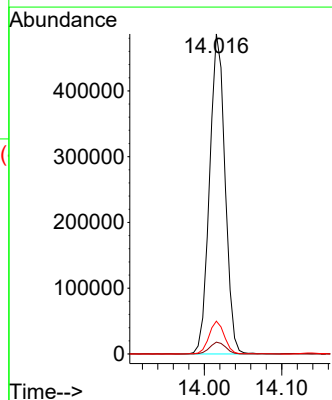
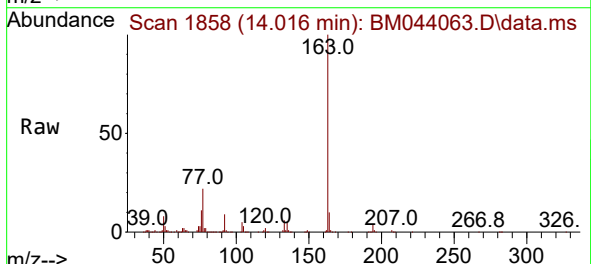
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

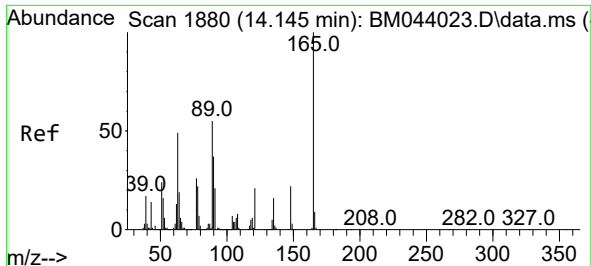
Tgt Ion:152 Resp: 894472
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.1 10.5 15.7



#50
Dimethylphthalate
Concen: 6.259 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:163 Resp: 675235
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.3 8.2 12.2

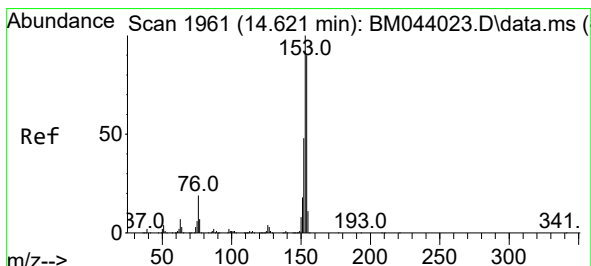
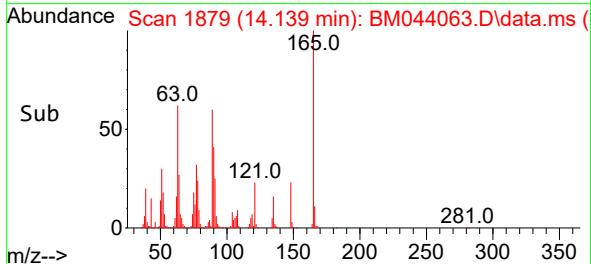
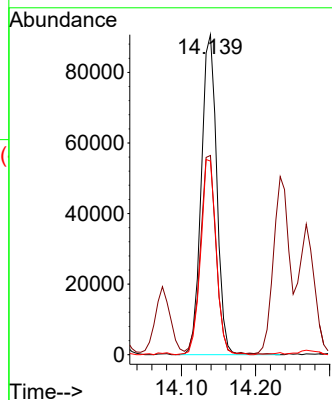
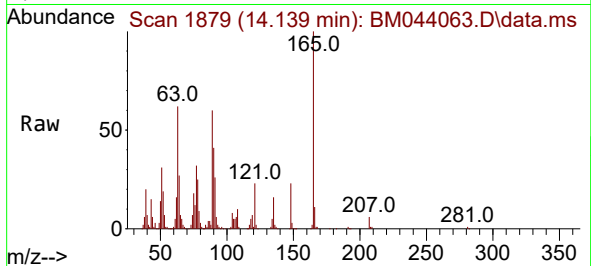




#51
2,6-Dinitrotoluene
Concen: 5.533 ng
RT: 14.139 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

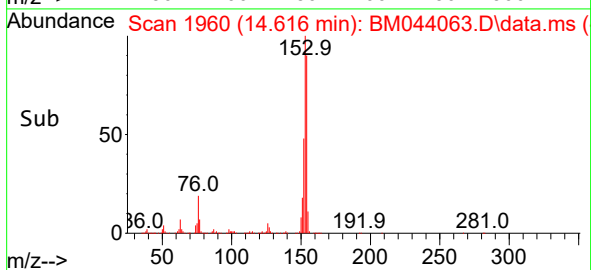
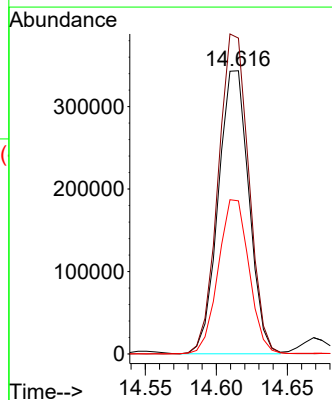
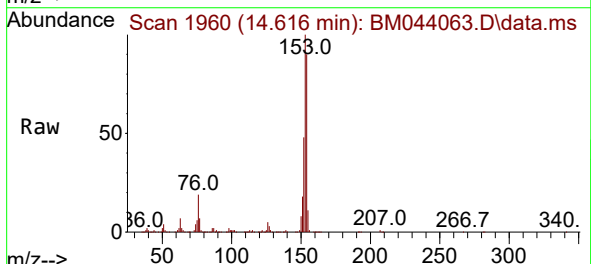
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

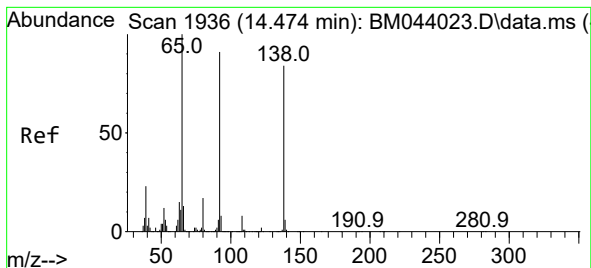
Tgt Ion:165 Resp: 131693
Ion Ratio Lower Upper
165 100
63 62.2 43.5 65.3
89 60.5 44.4 66.6



#52
Acenaphthene
Concen: 6.143 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:154 Resp: 515887
Ion Ratio Lower Upper
154 100
153 111.5 89.3 133.9
152 54.1 43.0 64.6





#53

3-Nitroaniline

Concen: 5.560 ng

RT: 14.463 min Scan# 1936

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

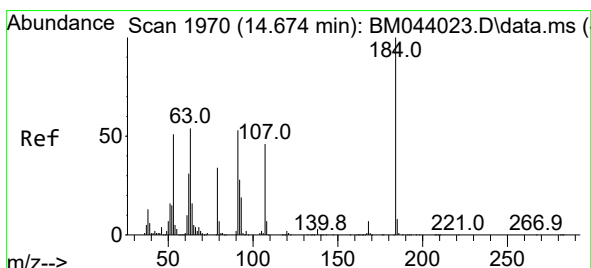
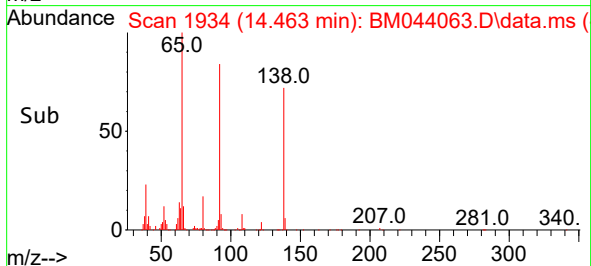
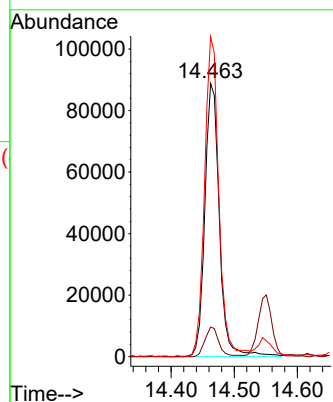
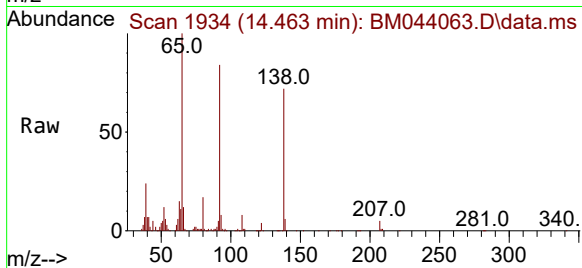
Tgt Ion:138 Resp: 142234

Ion Ratio Lower Upper

138 100

108 10.8 7.6 11.4

92 117.1 86.5 129.7



#54

2,4-Dinitrophenol

Concen: 8.598 ng

RT: 14.668 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

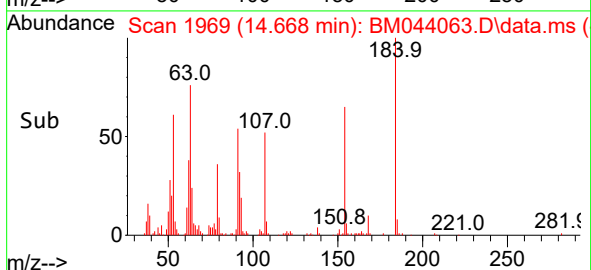
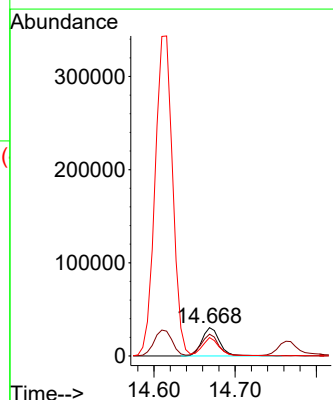
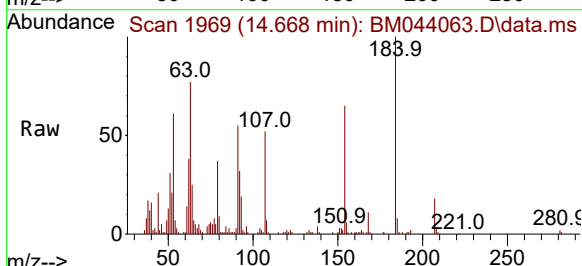
Tgt Ion:184 Resp: 46244

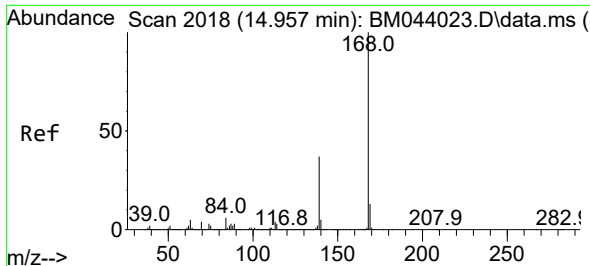
Ion Ratio Lower Upper

184 100

63 76.9 55.4 83.2

154 65.1 49.2 73.8

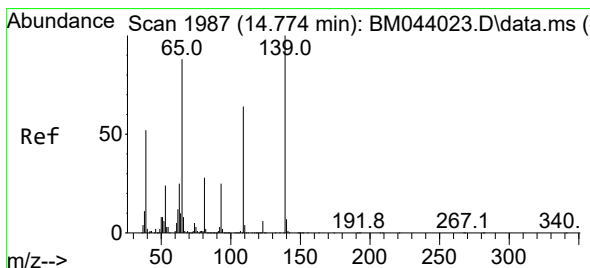
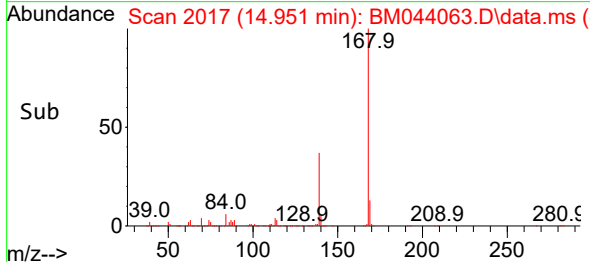
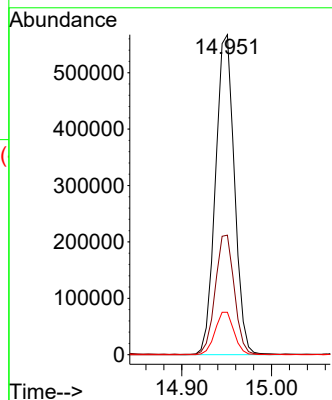
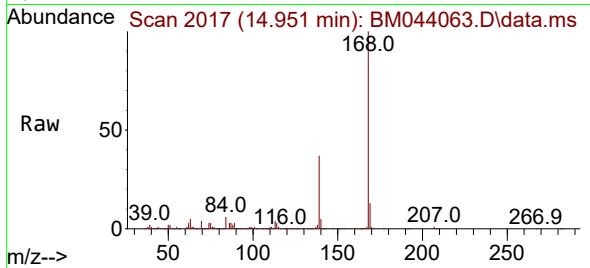




#55
Dibenzenofuran
Concen: 6.391 ng
RT: 14.951 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

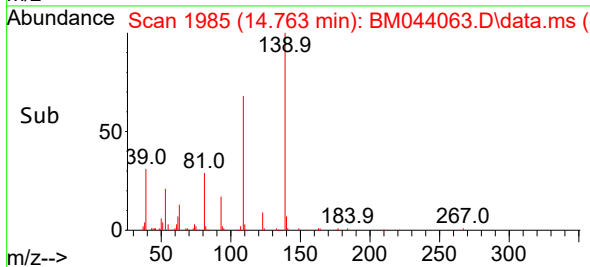
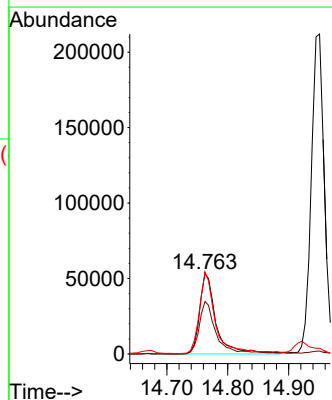
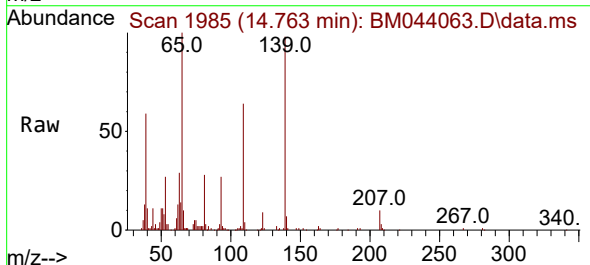
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

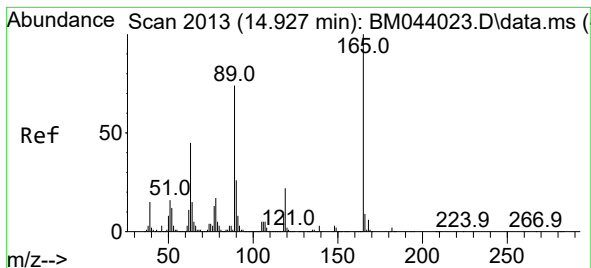
Tgt Ion:168 Resp: 830689
Ion Ratio Lower Upper
168 100
139 37.4 29.6 44.4
169 13.3 10.5 15.7



#56
4-Nitrophenol
Concen: 4.810 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:139 Resp: 100021
Ion Ratio Lower Upper
139 100
109 65.1 43.8 83.8
65 102.2 67.7 107.7





#57

2,4-Dinitrotoluene

Concen: 5.343 ng

RT: 14.921 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BM044063.D

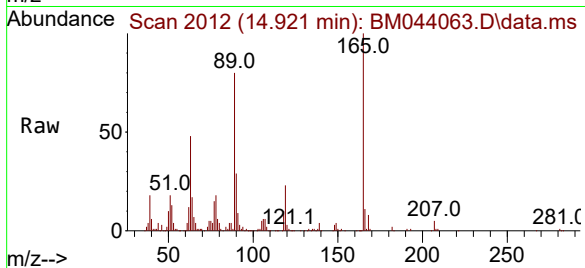
Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:165 Resp: 166219

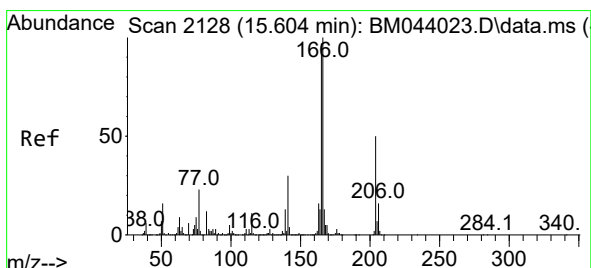
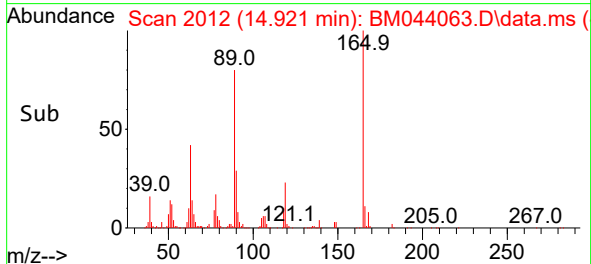
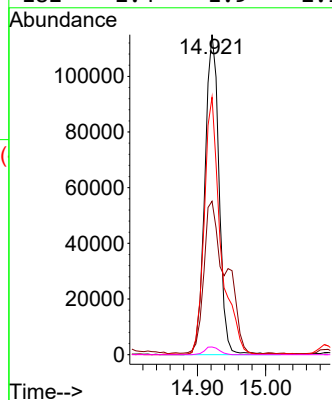
Ion Ratio Lower Upper

165 100

63 48.0 35.9 53.9

89 80.5 58.9 88.3

182 2.4 1.9 2.9



#58

Fluorene

Concen: 6.534 ng

RT: 15.598 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

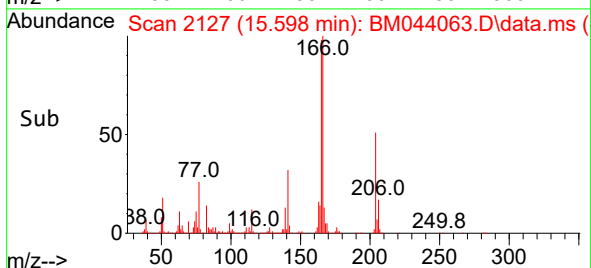
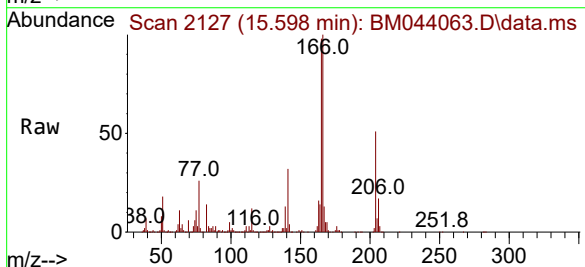
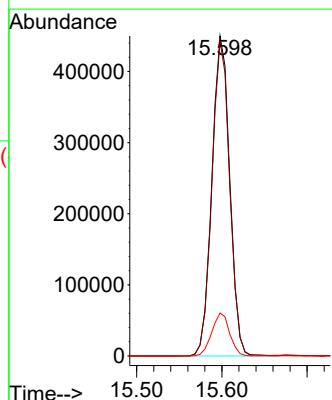
Tgt Ion:166 Resp: 656259

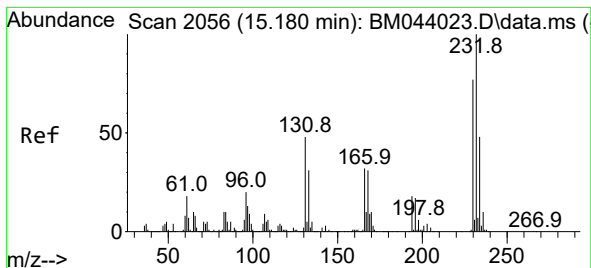
Ion Ratio Lower Upper

166 100

165 98.3 77.7 116.5

167 13.4 10.7 16.1

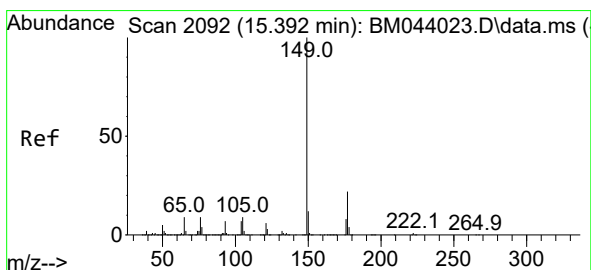
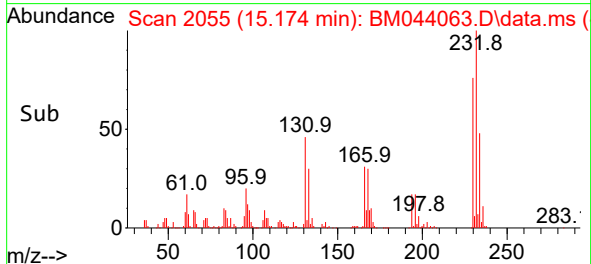
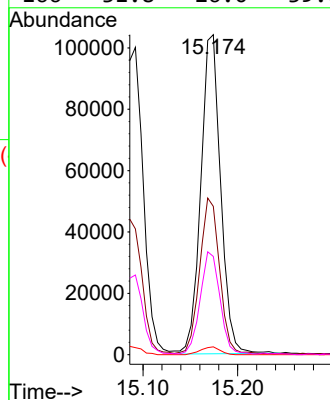
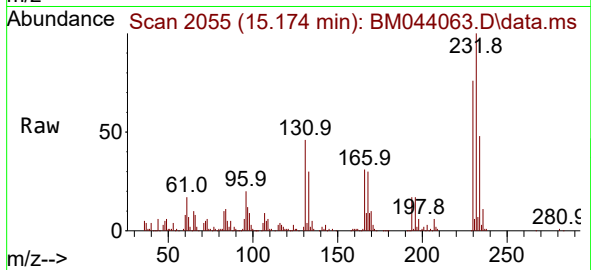




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.103 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

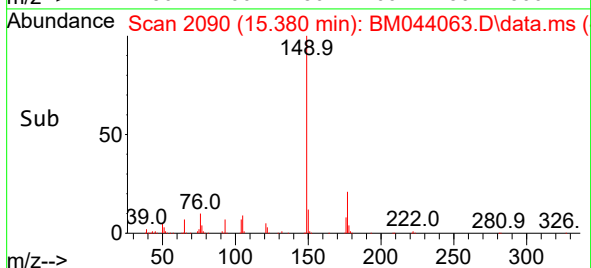
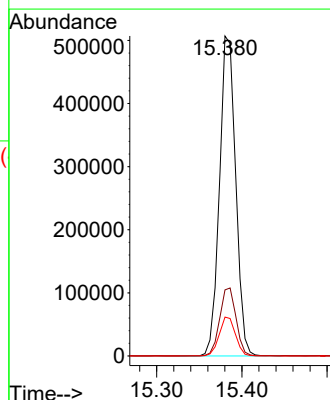
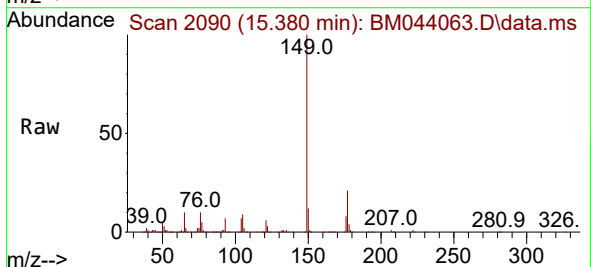
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

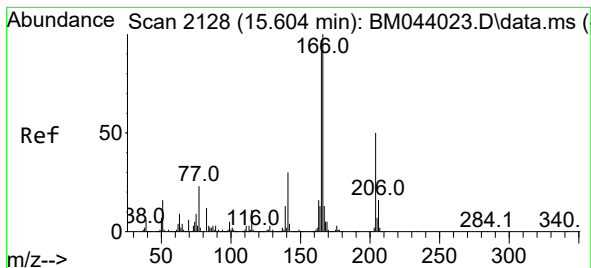
Tgt Ion:232 Resp: 151274
Ion Ratio Lower Upper
232 100
131 49.2 39.5 59.3
130 2.4 2.0 3.0
166 31.8 26.0 39.0



#60
Diethylphthalate
Concen: 6.025 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:149 Resp: 671764
Ion Ratio Lower Upper
149 100
177 20.6 17.5 26.3
150 12.2 9.8 14.6

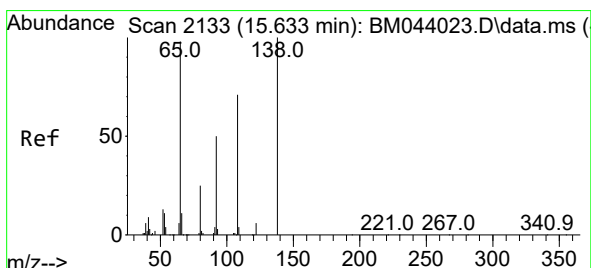
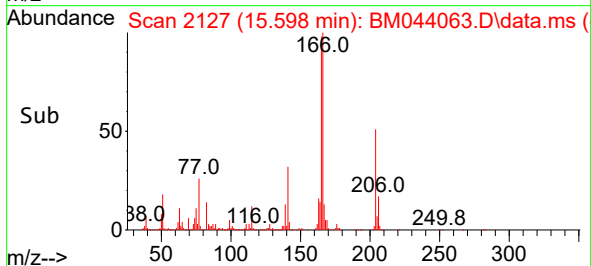
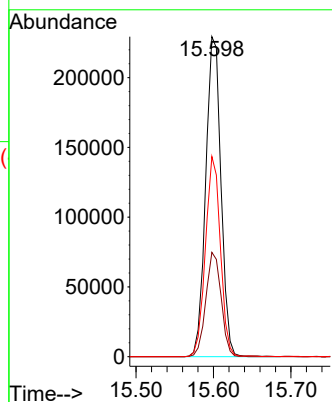
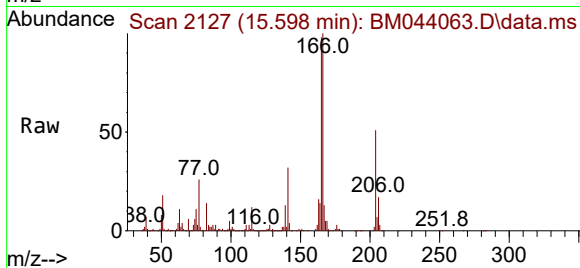




#61
4-Chlorophenyl-phenylether
Concen: 6.438 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

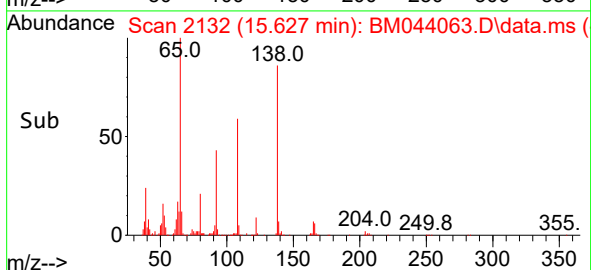
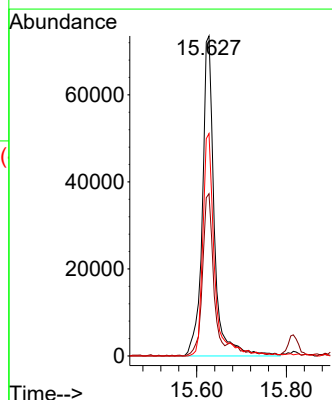
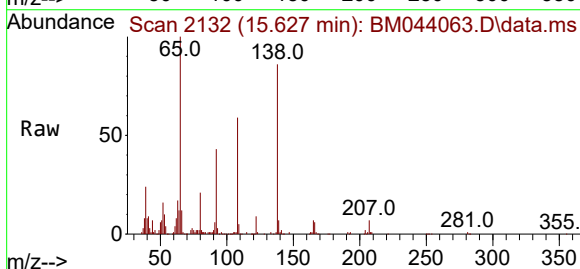
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

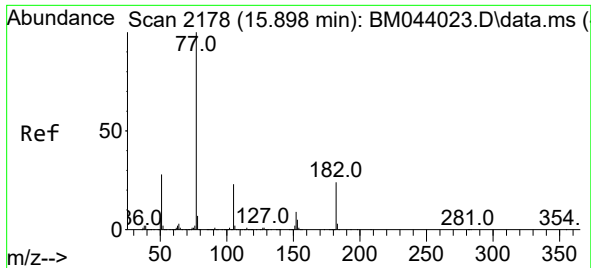
Tgt Ion:204 Resp: 313299
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 62.6 47.7 71.5



#62
4-Nitroaniline
Concen: 5.277 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:138 Resp: 135872
Ion Ratio Lower Upper
138 100
92 50.7 29.6 69.6
108 69.5 47.8 87.8

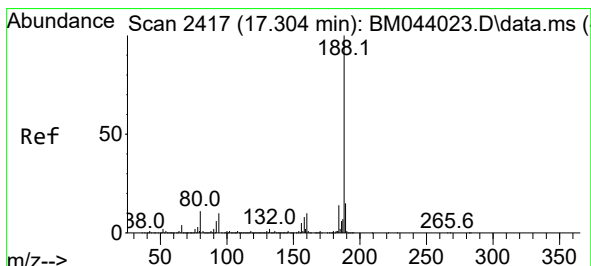
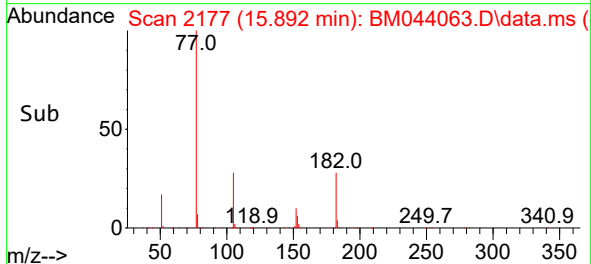
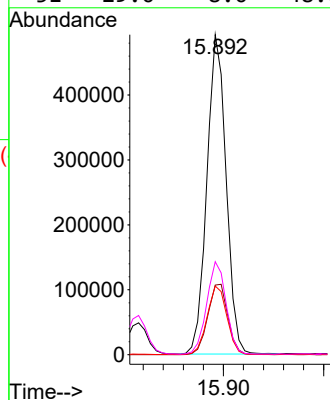
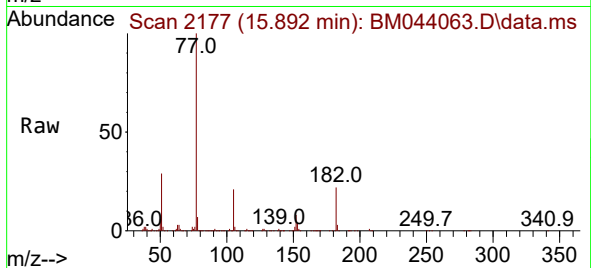




#63
Azobenzene
Concen: 6.279 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

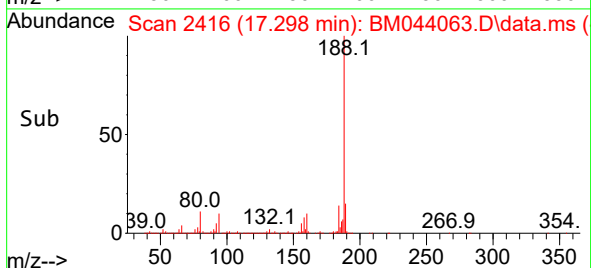
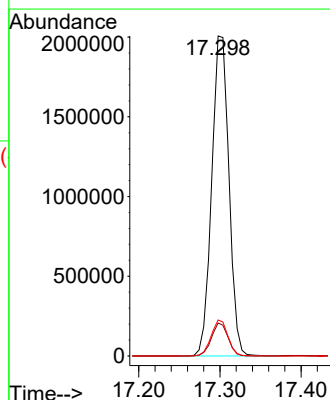
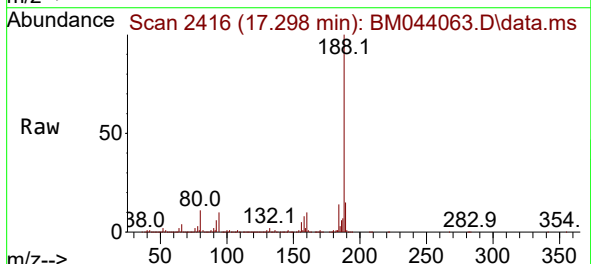
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

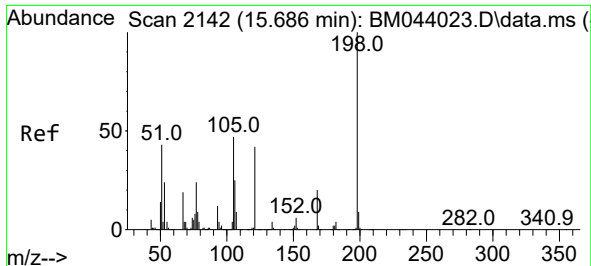
Tgt Ion: 77 Resp: 656819
Ion Ratio Lower Upper
77 100
182 21.7 4.0 44.0
105 21.4 3.3 43.3
51 29.0 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion: 188 Resp: 2951678
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.2
80 11.3 8.8 13.2

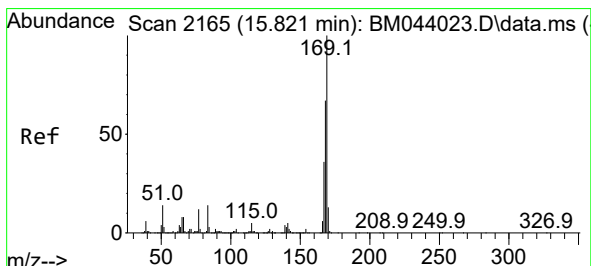
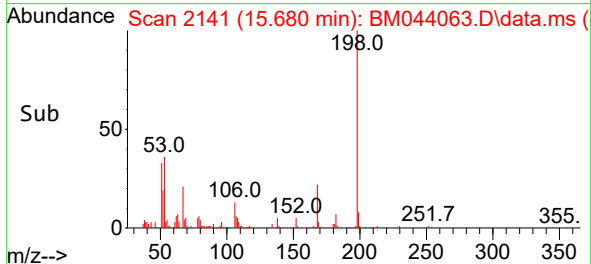
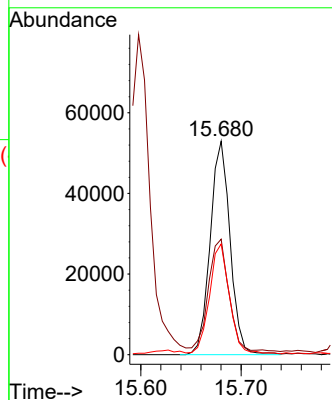
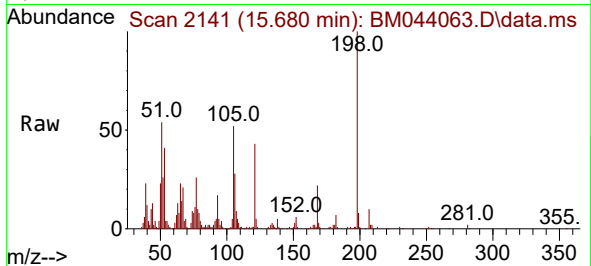




#65
4,6-Dinitro-2-methylphenol
Concen: 4.163 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

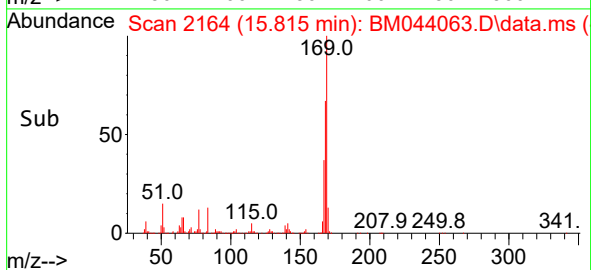
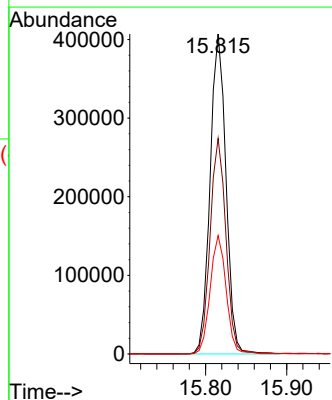
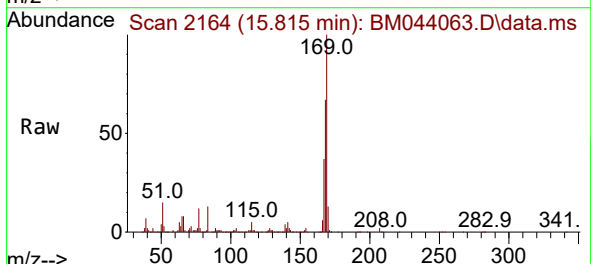
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

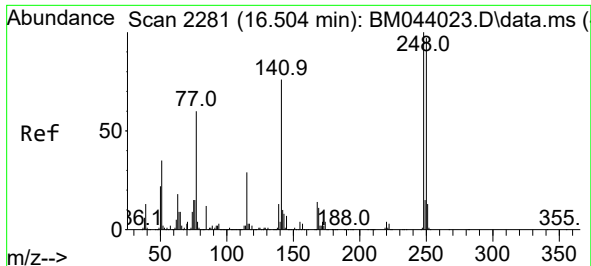
Tgt Ion:198 Resp: 73222
Ion Ratio Lower Upper
198 100
51 54.1 29.9 69.9
105 51.9 28.7 68.7



#66
n-Nitrosodiphenylamine
Concen: 6.169 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:169 Resp: 553186
Ion Ratio Lower Upper
169 100
168 67.4 53.8 80.8
167 37.0 29.2 43.8

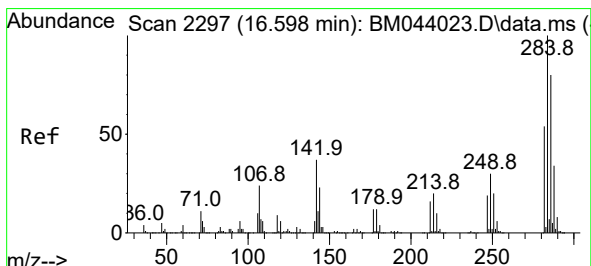
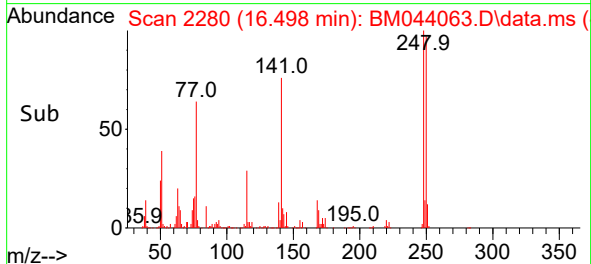
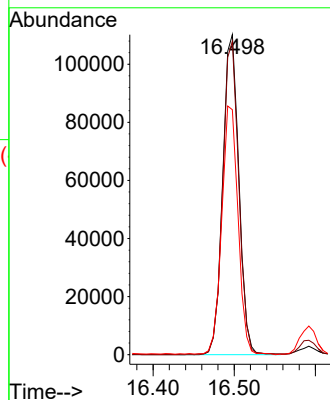
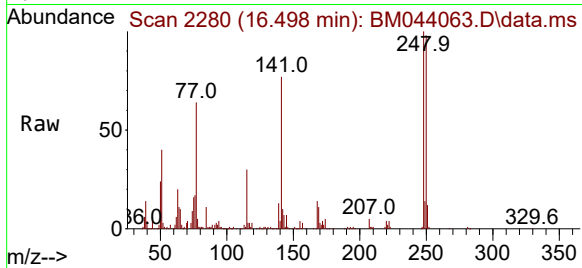




#67
4-Bromophenyl-phenylether
Concen: 5.236 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

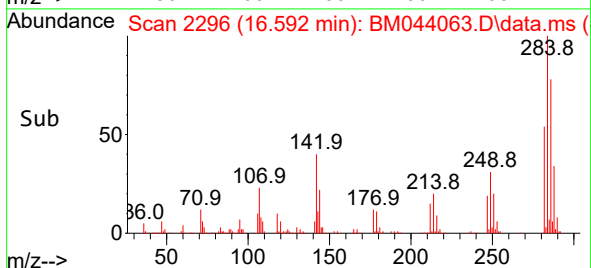
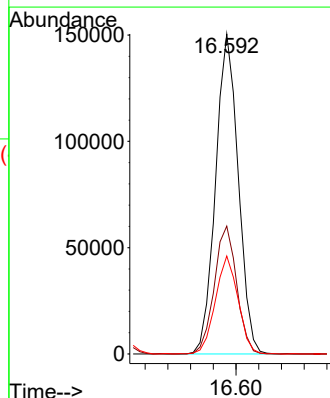
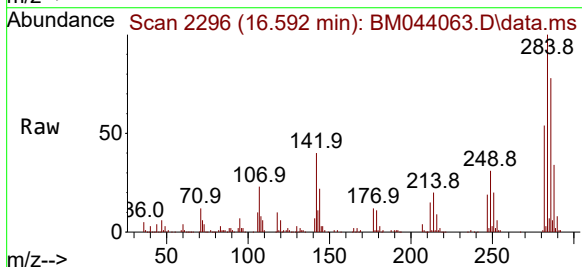
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

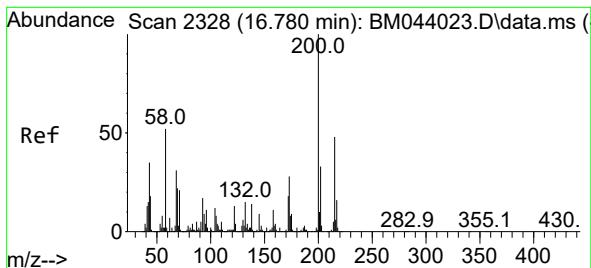
Tgt Ion:248 Resp: 152791
Ion Ratio Lower Upper
248 100
250 97.9 77.4 116.2
141 76.6 61.0 91.6



#68
Hexachlorobenzene
Concen: 5.838 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:284 Resp: 208703
Ion Ratio Lower Upper
284 100
142 40.0 30.0 45.0
249 30.6 24.1 36.1





#69

Atrazine

Concen: 7.412 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

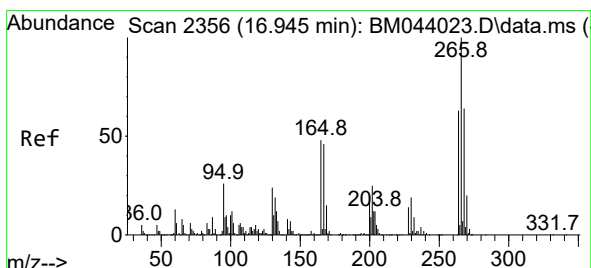
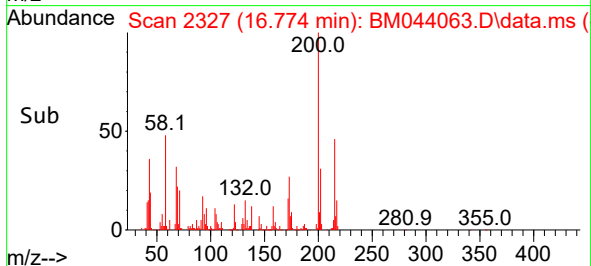
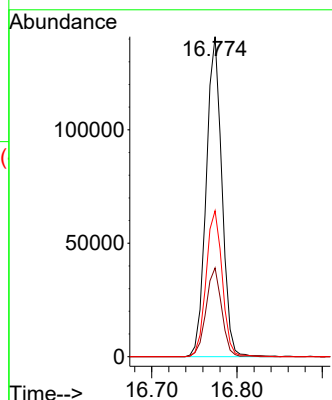
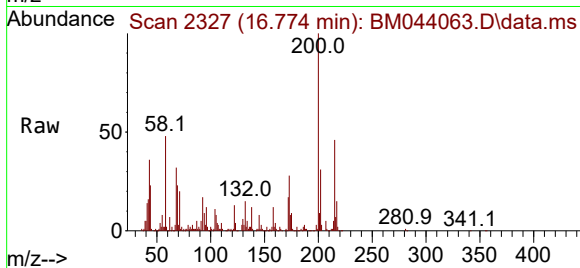
Tgt Ion:200 Resp: 179966

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

215 45.6 27.9 67.9



#70

Pentachlorophenol

Concen: 4.453 ng

RT: 16.945 min Scan# 2356

Delta R.T. 0.000 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

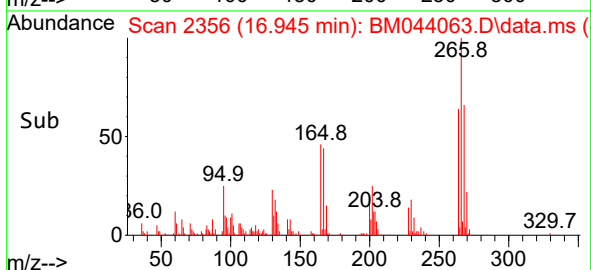
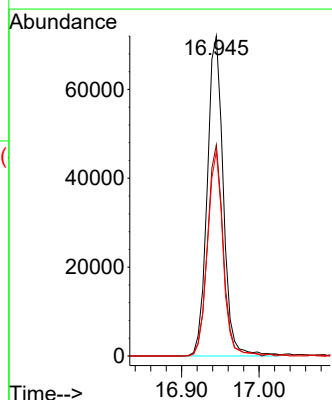
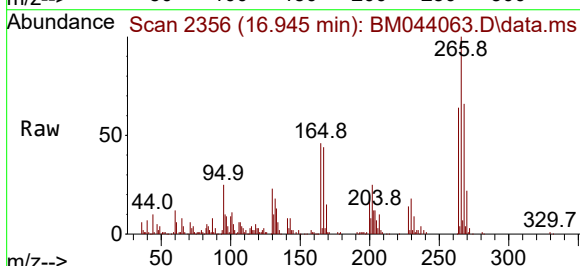
Tgt Ion:266 Resp: 103550

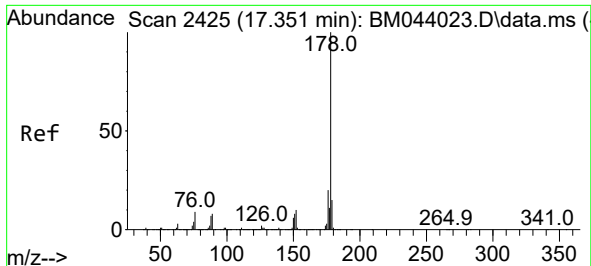
Ion Ratio Lower Upper

266 100

268 65.9 51.1 76.7

264 64.0 50.5 75.7

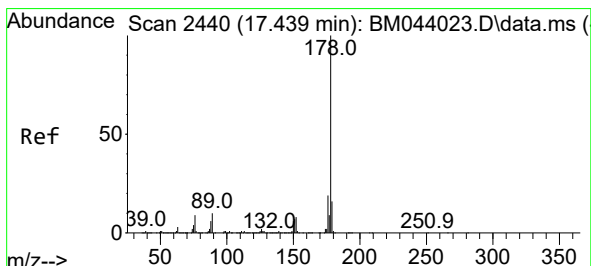
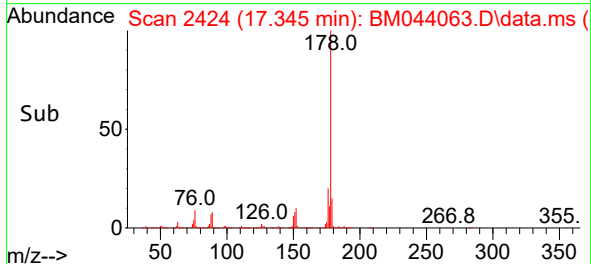
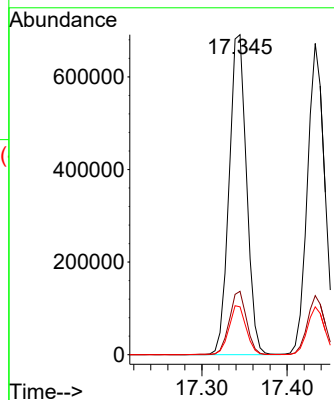
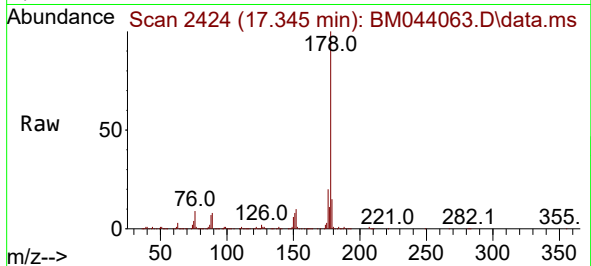




#71
Phenanthrene
Concen: 6.316 ng
RT: 17.345 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

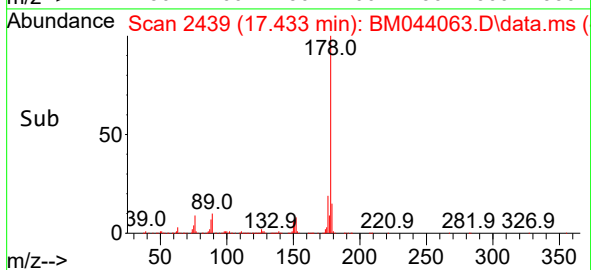
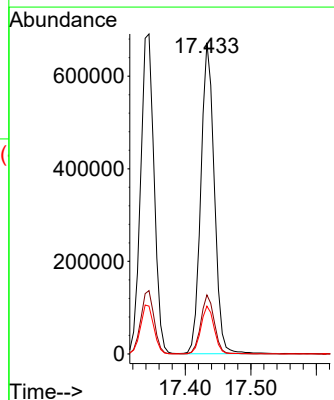
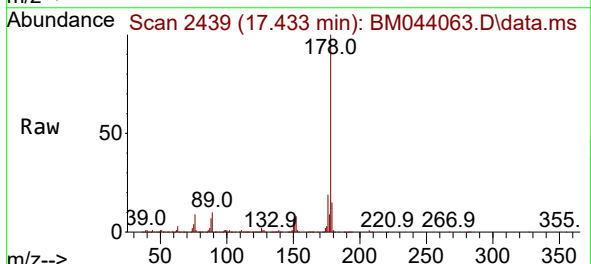
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2024

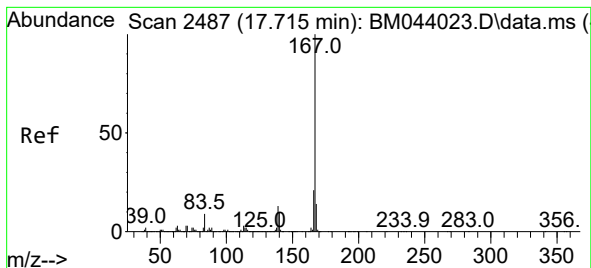
Tgt Ion:178 Resp: 984381
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 14.9 12.2 18.4



#72
Anthracene
Concen: 6.207 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM044063.D
Acq: 12 Feb 2024 18:55

Tgt Ion:178 Resp: 957756
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.4 12.4 18.6





#73

Carbazole

Concen: 5.986 ng

RT: 17.709 min Scan# 2487

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

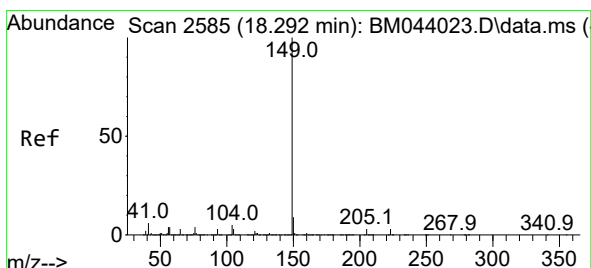
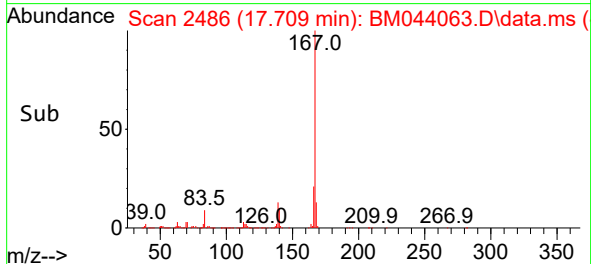
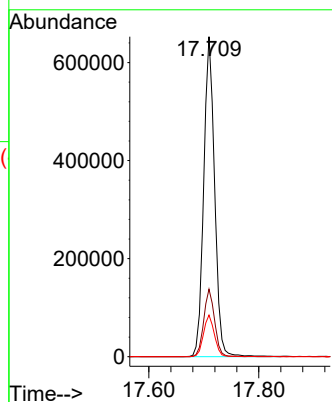
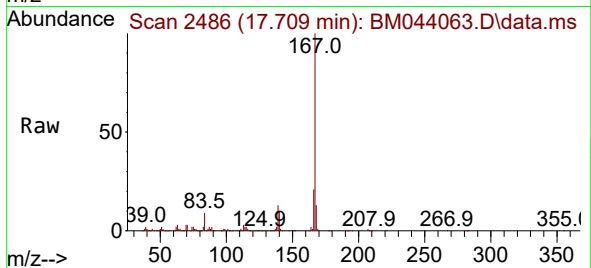
Tgt Ion:167 Resp: 898284

Ion Ratio Lower Upper

167 100

166 21.1 16.8 25.2

139 13.0 10.4 15.6



#74

Di-n-butylphthalate

Concen: 5.523 ng

RT: 18.286 min Scan# 2584

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

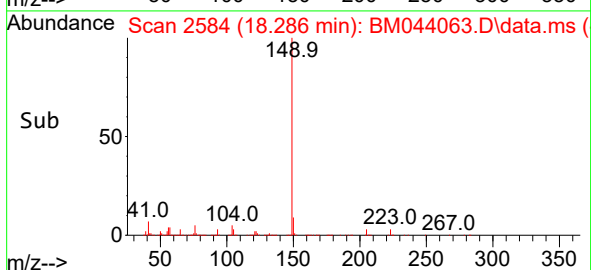
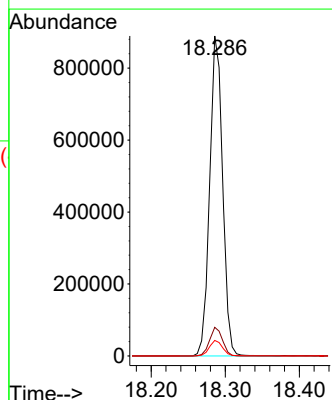
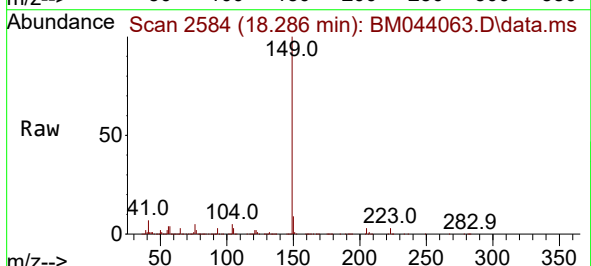
Tgt Ion:149 Resp: 1077337

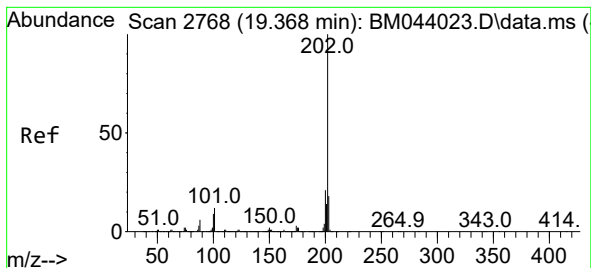
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

104 4.9 3.8 5.6





#75

Fluoranthene

Concen: 5.904 ng

RT: 19.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

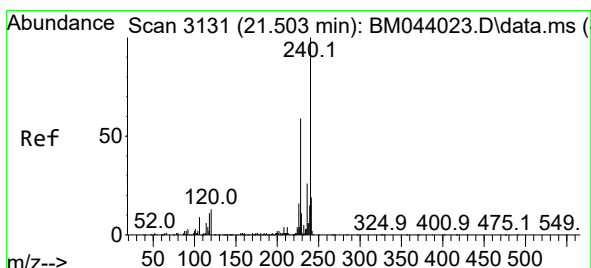
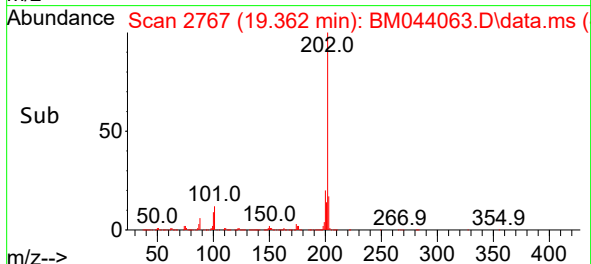
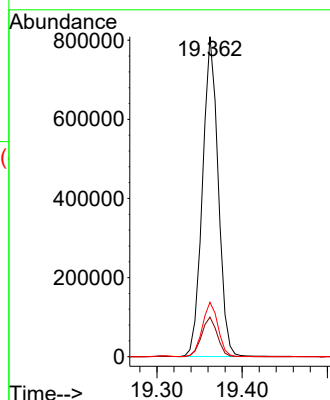
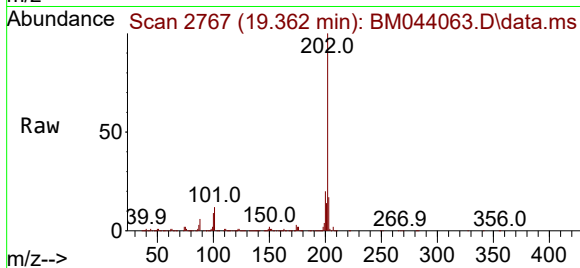
Tgt Ion:202 Resp: 1033655

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

203 17.0 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.497 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

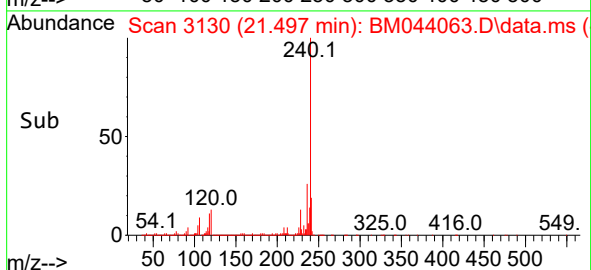
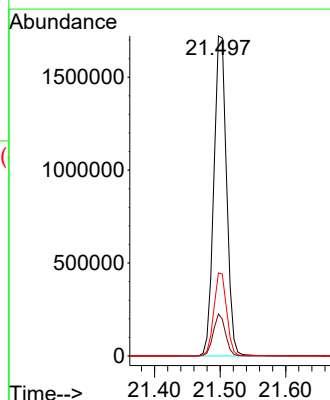
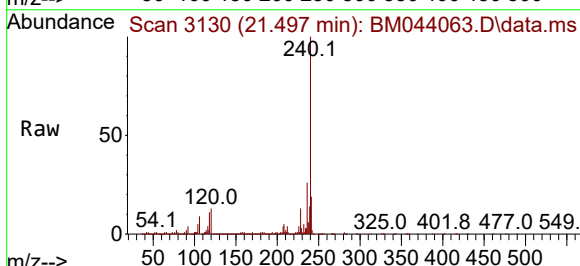
Tgt Ion:240 Resp: 2326356

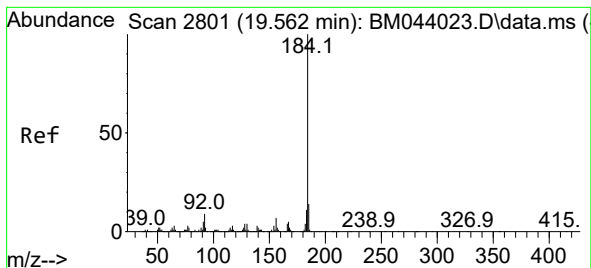
Ion Ratio Lower Upper

240 100

120 13.1 10.1 15.1

236 25.9 20.6 31.0





#77

Benzidine

Concen: 10.246 ng

RT: 19.562 min Scan# 2801

Delta R.T. 0.000 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

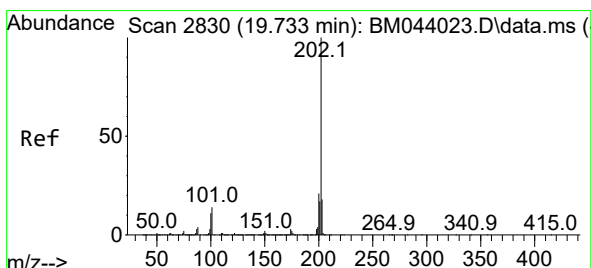
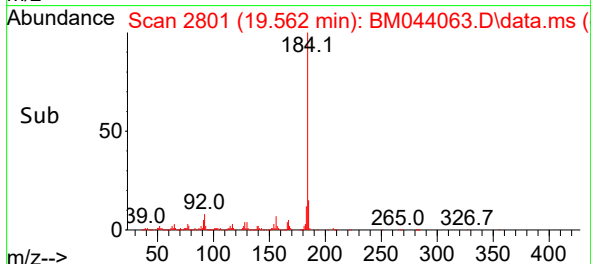
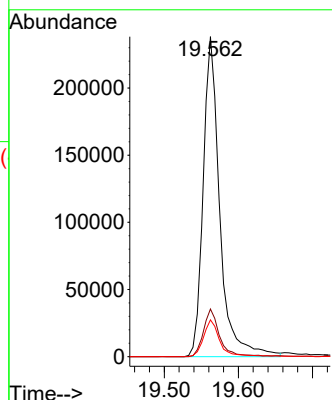
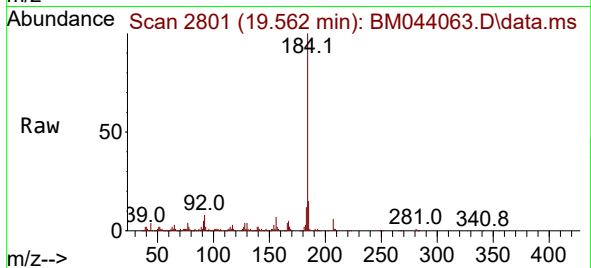
Tgt Ion:184 Resp: 370401

Ion Ratio Lower Upper

184 100

185 14.9 11.0 16.6

183 11.5 9.0 13.4



#78

Pyrene

Concen: 6.090 ng

RT: 19.727 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

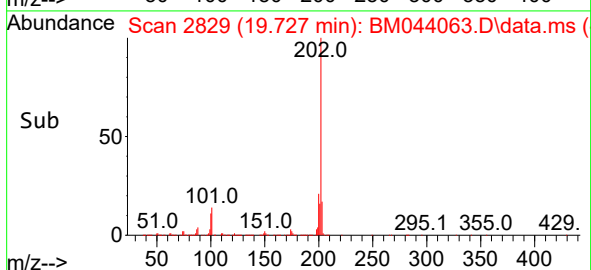
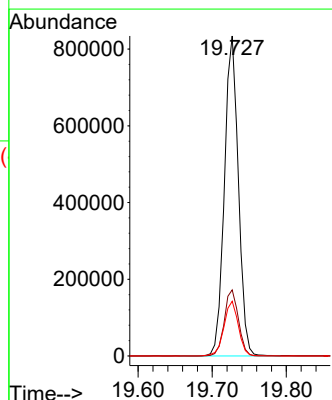
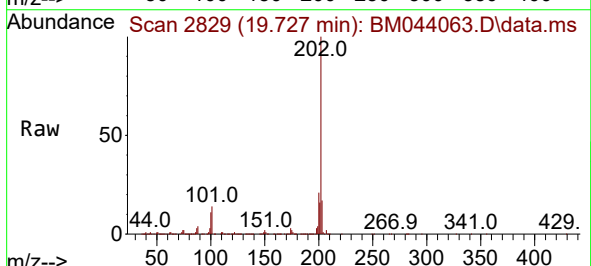
Tgt Ion:202 Resp: 1091075

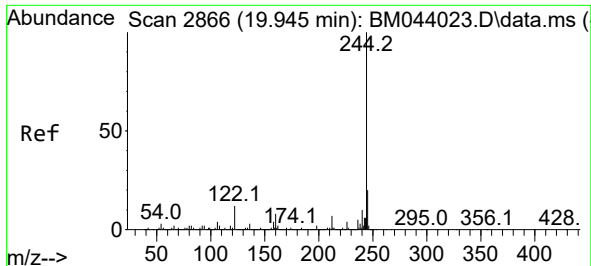
Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

203 17.1 14.0 21.0

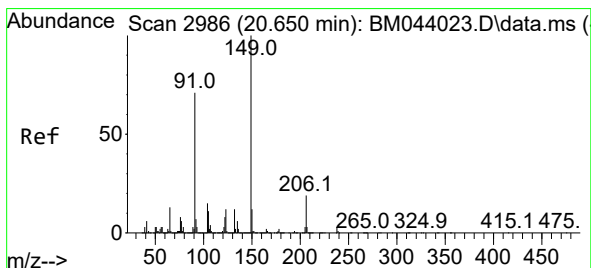
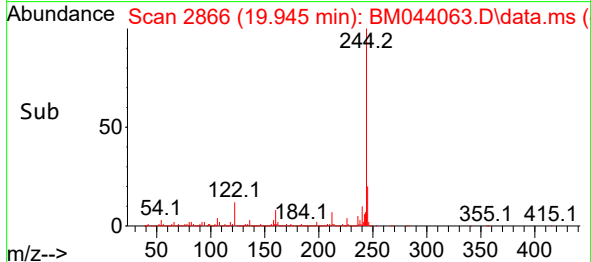
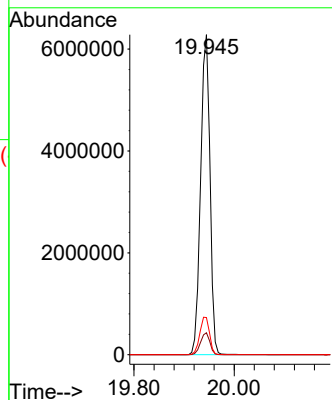
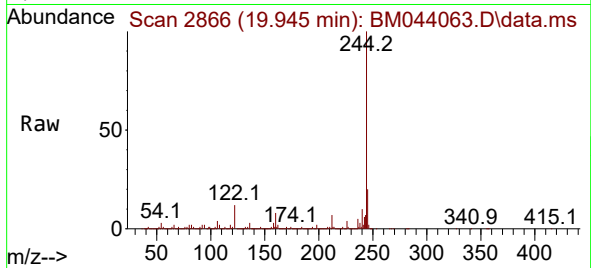




#79
 Terphenyl-d14
 Concen: 61.017 ng
 RT: 19.945 min Scan# 2866
 Delta R.T. 0.000 min
 Lab File: BM044063.D
 Acq: 12 Feb 2024 18:55

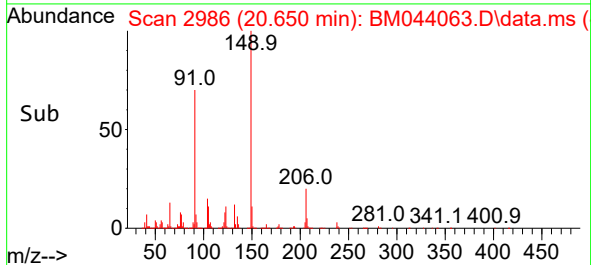
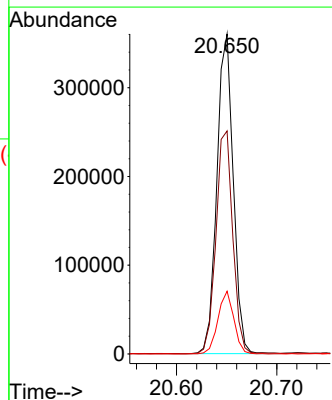
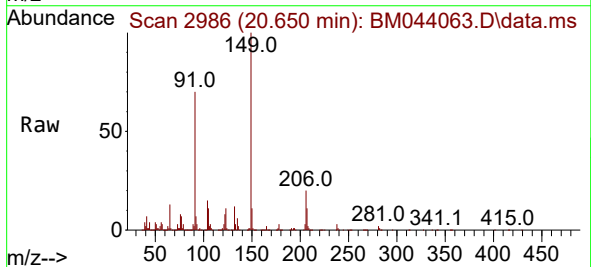
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

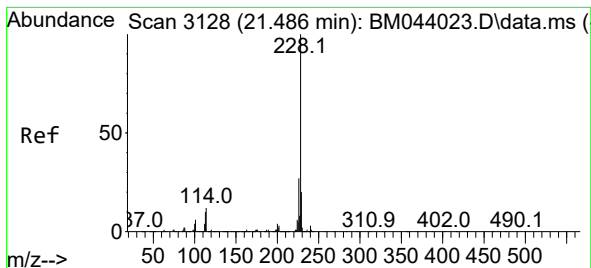
Tgt Ion:244 Resp: 8097265
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.6 9.5 14.3



#80
 Butylbenzylphthalate
 Concen: 5.114 ng
 RT: 20.650 min Scan# 2986
 Delta R.T. 0.000 min
 Lab File: BM044063.D
 Acq: 12 Feb 2024 18:55

Tgt Ion:149 Resp: 407300
 Ion Ratio Lower Upper
 149 100
 91 69.7 56.8 85.2
 206 19.6 15.0 22.6





#81

Benzo(a)anthracene

Concen: 6.052 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

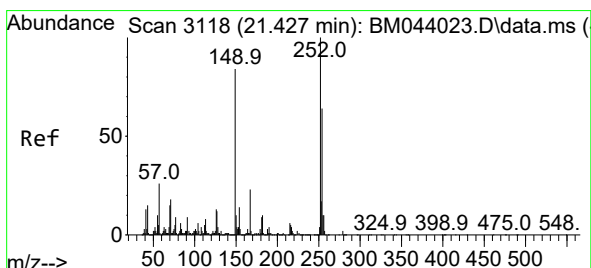
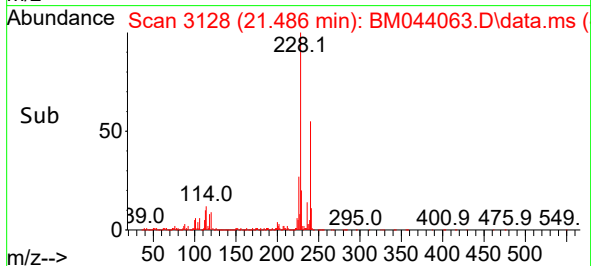
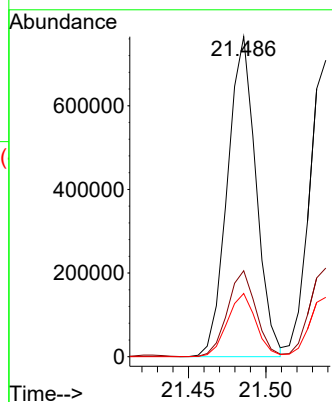
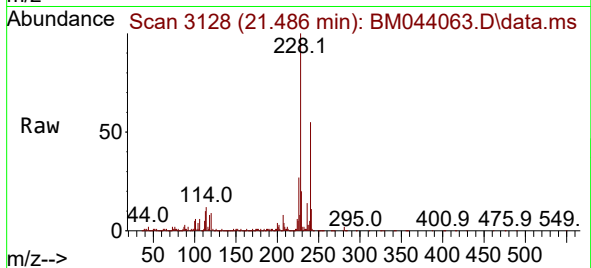
Tgt Ion:228 Resp: 979322

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

229 19.8 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 5.938 ng

RT: 21.427 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

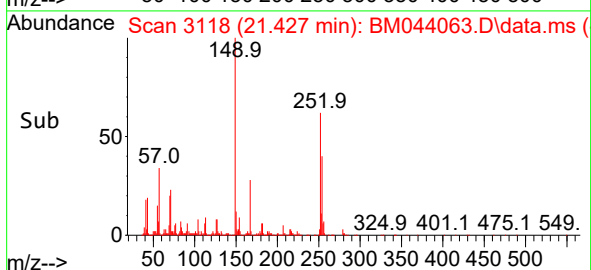
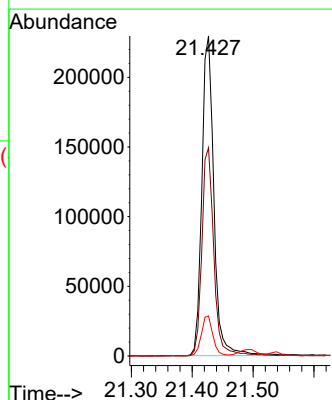
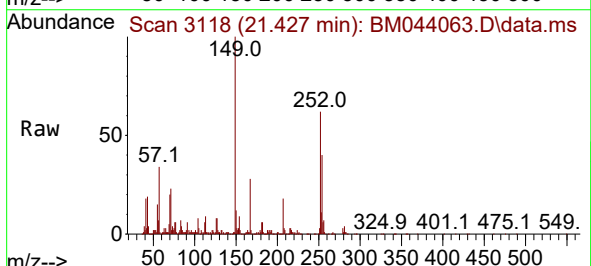
Tgt Ion:252 Resp: 315266

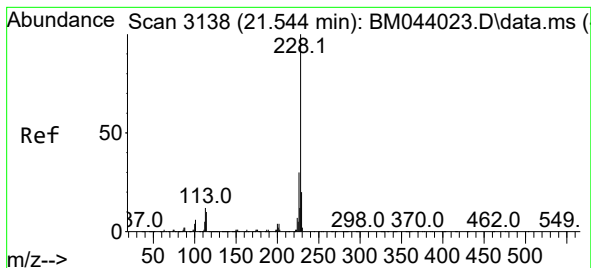
Ion Ratio Lower Upper

252 100

254 65.1 51.2 76.8

126 12.5 10.2 15.4





#83

Chrysene

Concen: 6.019 ng

RT: 21.539 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

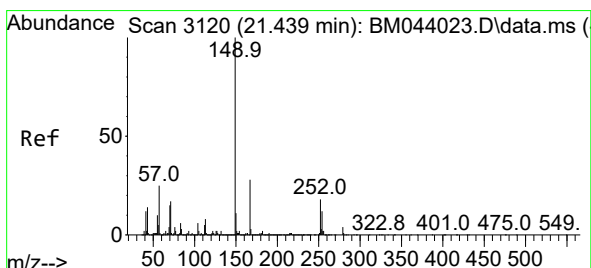
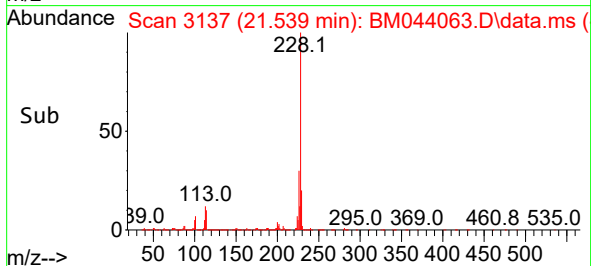
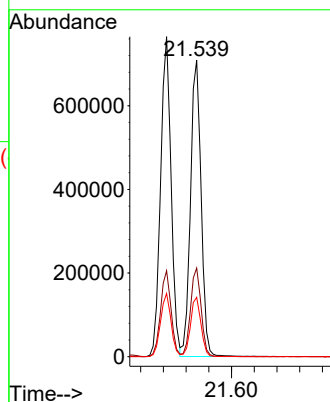
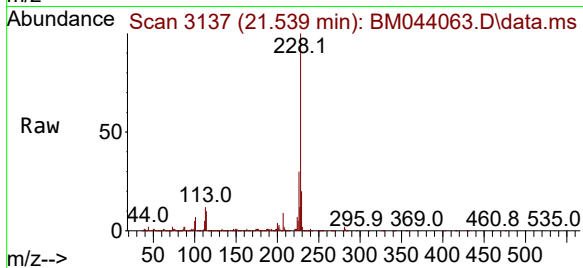
Tgt Ion:228 Resp: 920160

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 20.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.304 ng

RT: 21.433 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

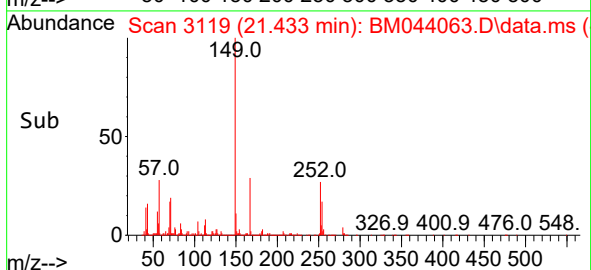
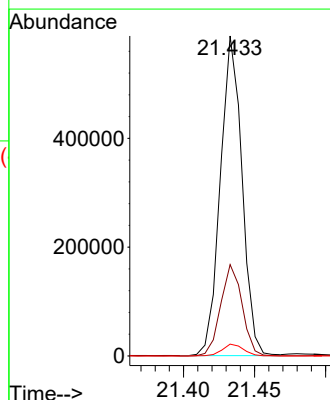
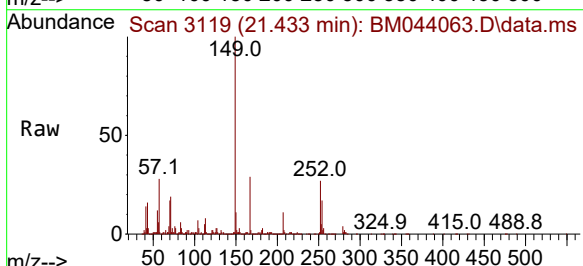
Tgt Ion:149 Resp: 623242

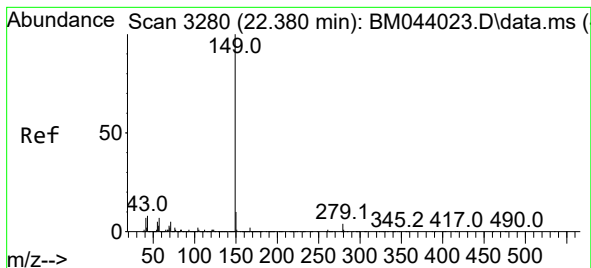
Ion Ratio Lower Upper

149 100

167 28.5 22.6 33.8

279 3.7 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 4.456 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

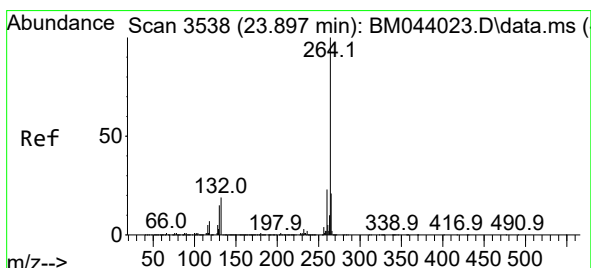
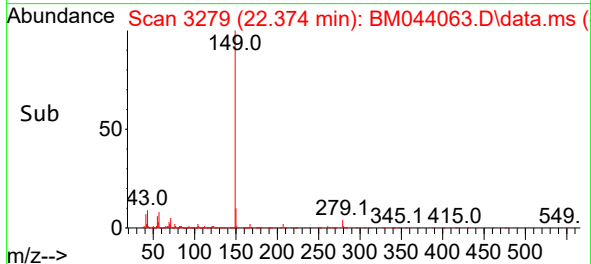
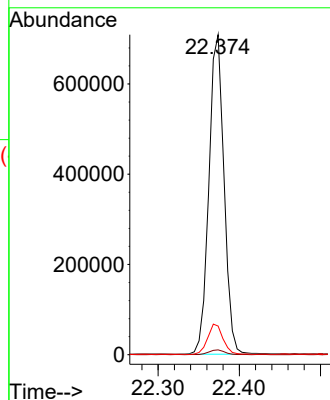
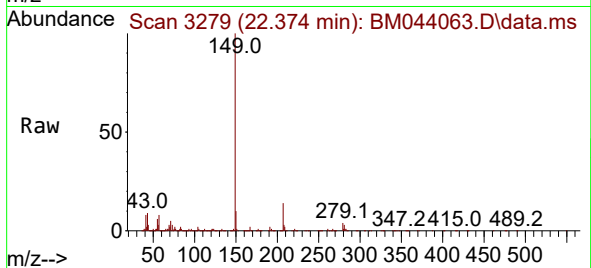
Tgt Ion:149 Resp: 914457

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: BM044063.D

Acq: 12 Feb 2024 18:55

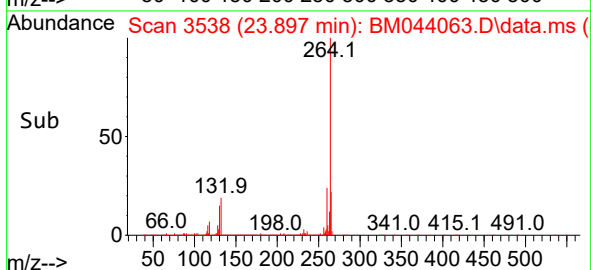
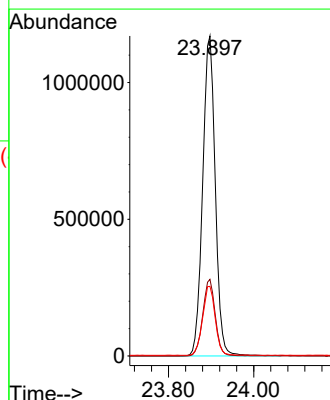
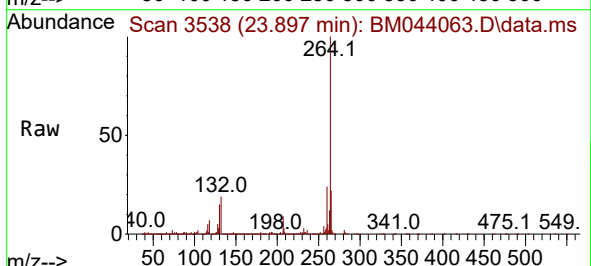
Tgt Ion:264 Resp: 2402278

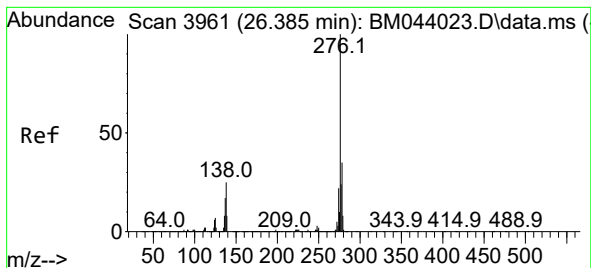
Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.508 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

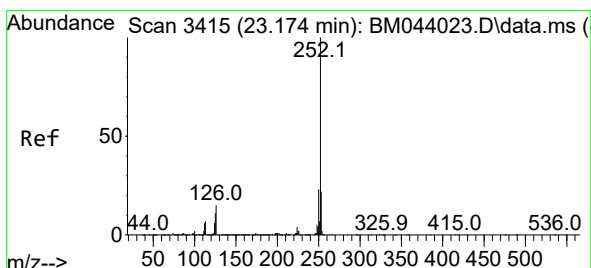
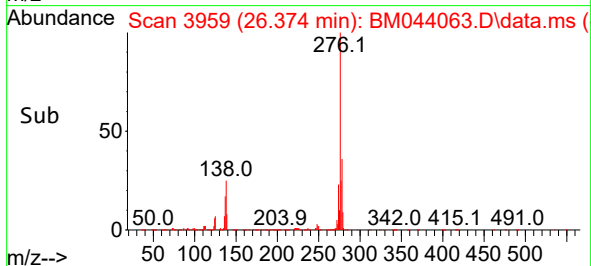
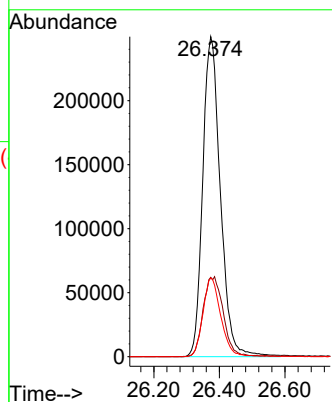
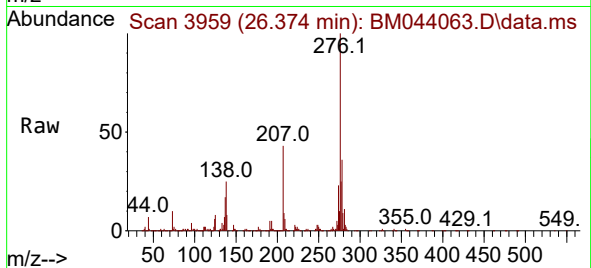
Tgt Ion:276 Resp: 936564

Ion Ratio Lower Upper

276 100

138 28.5 22.6 34.0

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.961 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

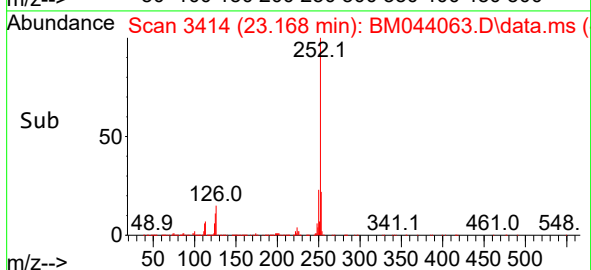
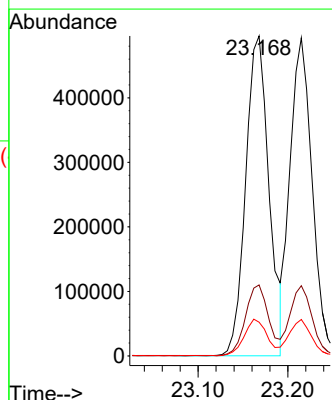
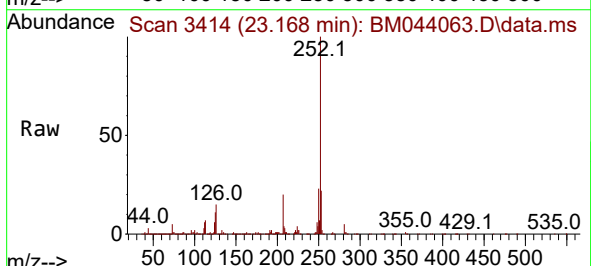
Tgt Ion:252 Resp: 895116

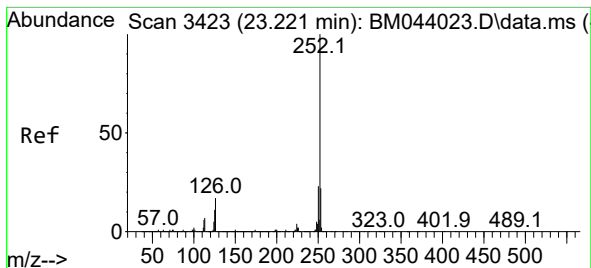
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.6 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 5.955 ng

RT: 23.215 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

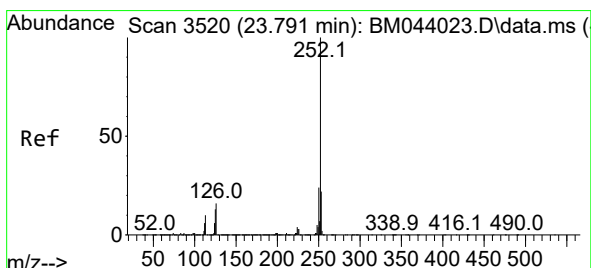
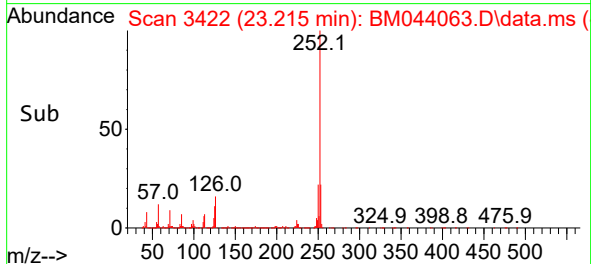
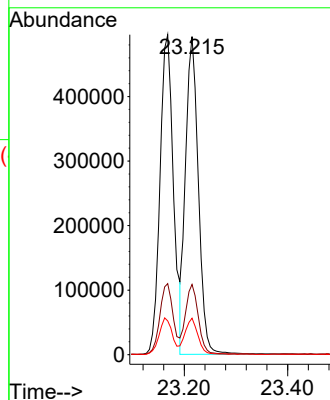
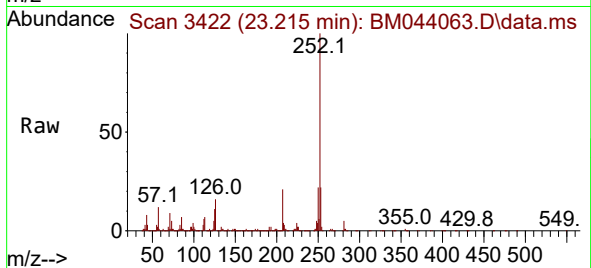
Tgt Ion:252 Resp: 849673

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.5 9.0 13.4



#90

Benzo(a)pyrene

Concen: 5.597 ng

RT: 23.785 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

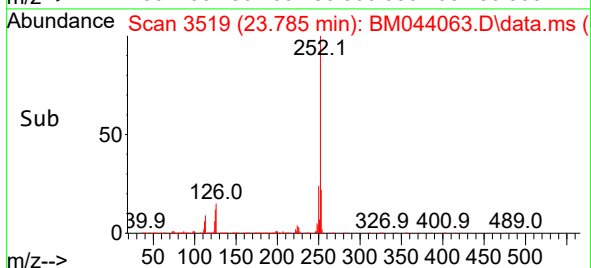
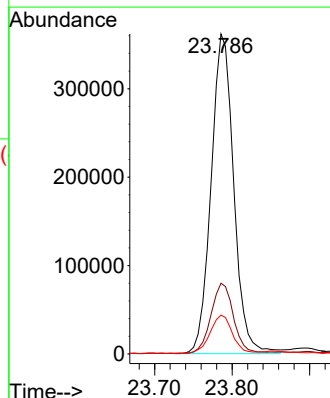
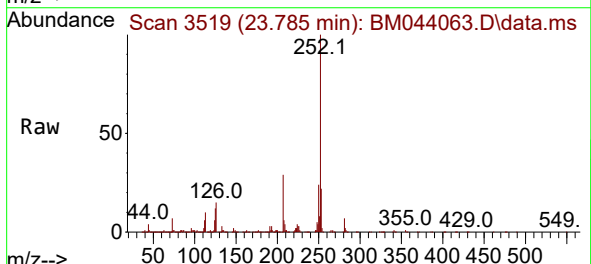
Tgt Ion:252 Resp: 734197

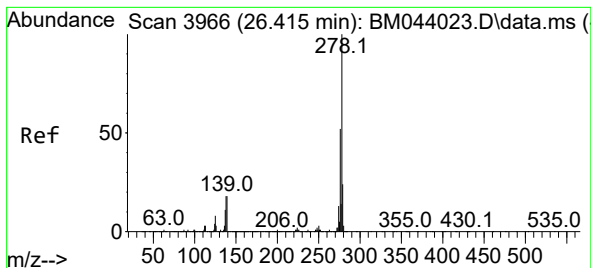
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 12.1 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 5.564 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2024

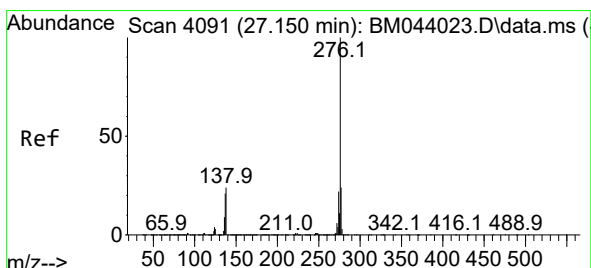
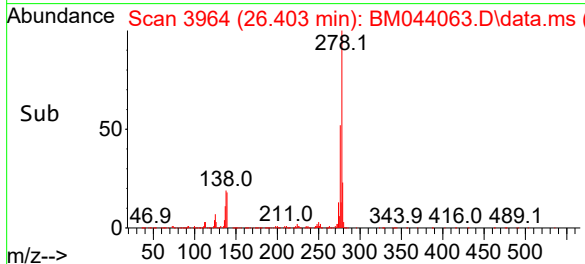
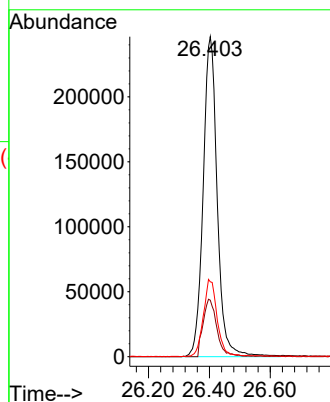
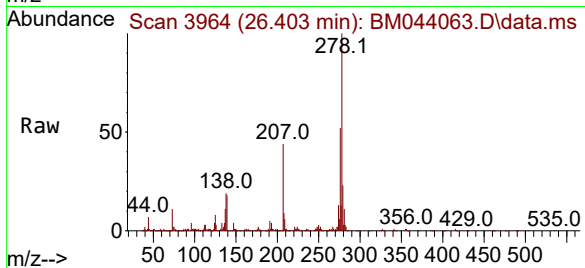
Tgt Ion:278 Resp: 791348

Ion Ratio Lower Upper

278 100

139 17.6 14.5 21.7

279 23.4 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 5.242 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044063.D

Acq: 12 Feb 2024 18:55

Tgt Ion:276 Resp: 756114

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 24.5 19.1 28.7

