

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
 Data File : BM044041.D
 Acq On : 09 Feb 2024 16:06
 Operator : MA/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL-4ppm
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Feb 09 17:11:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	485325	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2155904	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1306841	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	2582351	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1945178	20.000	ng	0.00
86) Perylene-d12	23.897	264	2046758	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	4218013	126.406	ng	0.00
7) Phenol-d6	7.075	99	5474227	128.937	ng	0.00
23) Nitrobenzene-d5	9.081	82	3253655	80.083	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1841519	130.147	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	7029153	75.911	ng	0.00
79) Terphenyl-d14	19.945	244	8729549	78.672	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	53732	4.057	ng	99
3) Pyridine	3.793	79	122715	3.510	ng	97
4) n-Nitrosodimethylamine	3.710	42	48322	3.643	ng	# 94
6) Aniline	7.240	93	192083	4.601	ng	98
8) 2-Chlorophenol	7.469	128	129780	3.724	ng	99
9) Benzaldehyde	7.057	77	126044	5.777	ng	98
10) Phenol	7.104	94	170898	3.988	ng	99
11) bis(2-Chloroethyl)ether	7.346	93	143766	4.052	ng	98
12) 1,3-Dichlorobenzene	7.793	146	149985	3.791	ng	99
13) 1,4-Dichlorobenzene	7.940	146	154159	3.866	ng	100
14) 1,2-Dichlorobenzene	8.257	146	148224	3.901	ng	97
15) Benzyl Alcohol	8.151	79	113251	4.097	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.440	45	184995	4.113	ng	99
17) 2-Methylphenol	8.351	107	105340	3.745	ng	97
18) Hexachloroethane	8.981	117	55247	3.700	ng	97
19) n-Nitroso-di-n-propyla...	8.722	70	108923	4.178	ng	99
20) 3+4-Methylphenols	8.681	107	144880	3.742	ng	98
22) Acetophenone	8.740	105	220247	4.025	ng	# 97
24) Nitrobenzene	9.122	77	165817	3.985	ng	99
25) Isophorone	9.639	82	295538	3.778	ng	99
26) 2-Nitrophenol	9.828	139	62745	3.253	ng	95
27) 2,4-Dimethylphenol	9.887	122	99938	4.052	ng	96
28) bis(2-Chloroethoxy)met...	10.134	93	197906	3.912	ng	98
29) 2,4-Dichlorophenol	10.357	162	111778	3.442	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	135447	3.709	ng	99
31) Naphthalene	10.757	128	452697	3.805	ng	100
32) Benzoic acid	9.945	122	45238	1.821	ng	95
33) 4-Chloroaniline	10.881	127	179801	3.991	ng	98
34) Hexachlorobutadiene	11.034	225	74772	3.577	ng	98
35) Caprolactam	11.651	113	33236	3.181	ng	88
36) 4-Chloro-3-methylphenol	11.998	107	123232	3.505	ng	98
37) 2-Methylnaphthalene	12.375	142	302070	3.811	ng	98
38) 1-Methylnaphthalene	12.592	142	293273	3.766	ng	98
40) 1,2,4,5-Tetrachloroben...	12.733	216	146153	3.848	ng	99
41) Hexachlorocyclopentadiene	12.704	237	56217	3.391	ng	98
43) 2,4,6-Trichlorophenol	12.980	196	84609	3.273	ng	97

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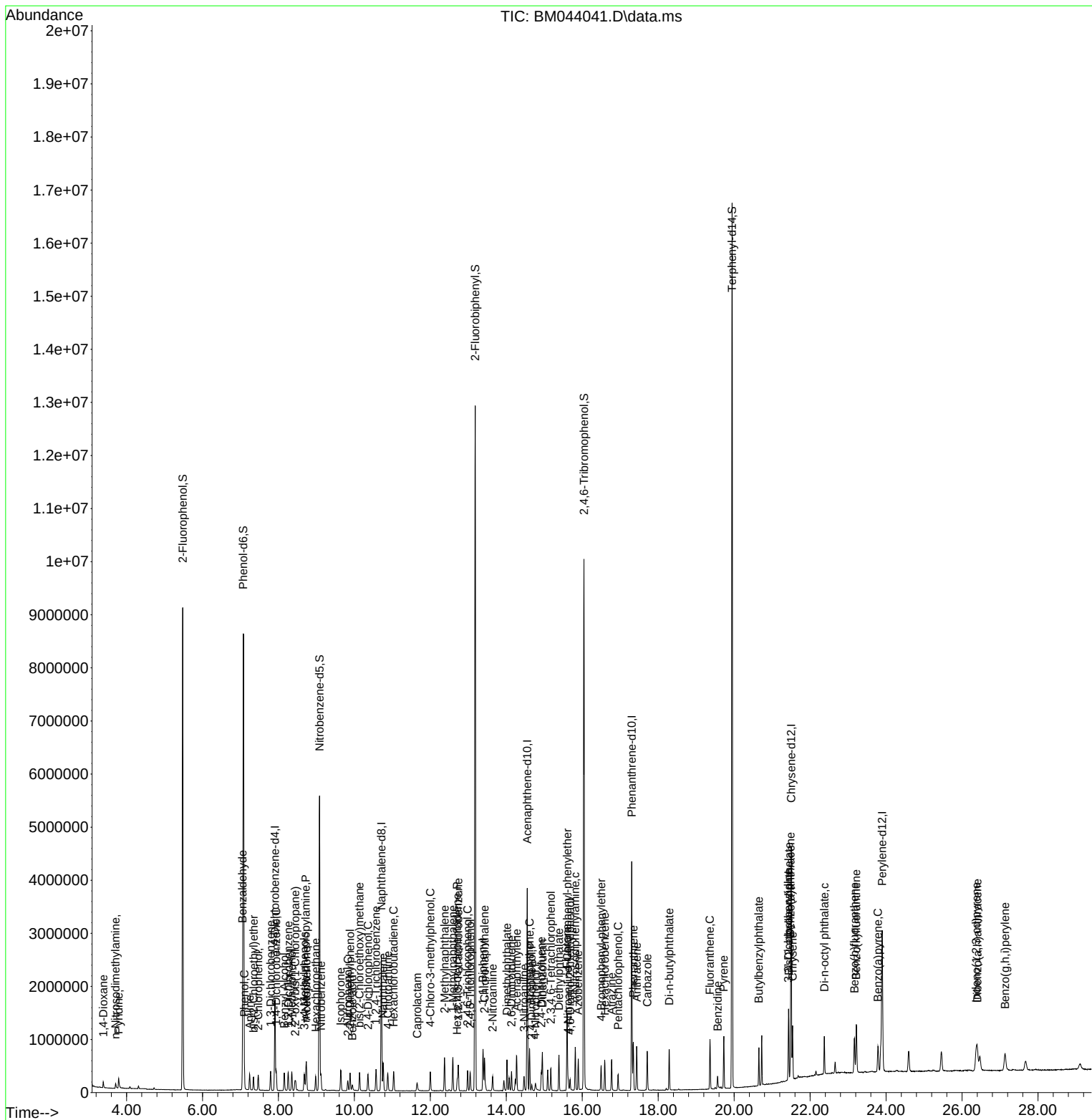
Quant Time: Feb 09 17:11:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
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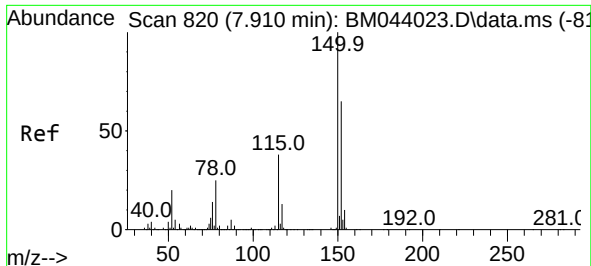
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.051	196	93408	3.293	ng	99
46) 1,1'-Biphenyl	13.386	154	402899	3.907	ng	100
47) 2-Chloronaphthalene	13.427	162	304182	3.724	ng	99
48) 2-Nitroaniline	13.639	65	76433	3.326	ng	92
49) Acenaphthylene	14.274	152	489796	4.019	ng	99
50) Dimethylphthalate	14.016	163	377582	3.897	ng	100
51) 2,6-Dinitrotoluene	14.139	165	69111	3.233	ng	94
52) Acenaphthene	14.616	154	286277	3.796	ng	100
53) 3-Nitroaniline	14.469	138	72498	3.156	ng #	92
54) 2,4-Dinitrophenol	14.669	184	21665	7.158	ng	94
55) Dibenzofuran	14.951	168	467075	4.001	ng	100
56) 4-Nitrophenol	14.769	139	47666	2.552	ng	89
57) 2,4-Dinitrotoluene	14.921	165	83801	2.999	ng	90
58) Fluorene	15.598	166	361300	4.005	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	78582	3.530	ng	95
60) Diethylphthalate	15.386	149	367065	3.666	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	173799	3.976	ng	99
62) 4-Nitroaniline	15.627	138	66370	2.870	ng	96
63) Azobenzene	15.892	77	352340	3.750	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	34198	2.222	ng	95
66) n-Nitrosodiphenylamine	15.816	169	300029	3.824	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	82465	3.230	ng	98
68) Hexachlorobenzene	16.592	284	115413	3.690	ng	98
69) Atrazine	16.774	200	93853	4.418	ng	96
70) Pentachlorophenol	16.945	266	51890	2.550	ng	100
71) Phenanthrene	17.345	178	551065	4.041	ng	99
72) Anthracene	17.433	178	508751	3.768	ng	100
73) Carbazole	17.710	167	468911	3.572	ng	99
74) Di-n-butylphthalate	18.292	149	568979	3.334	ng	100
75) Fluoranthene	19.362	202	548010	3.578	ng	99
77) Benzidine	19.562	184	160246	5.301	ng	97
78) Pyrene	19.727	202	569721	3.803	ng	98
80) Butylbenzylphthalate	20.651	149	200706	3.014	ng	97
81) Benzo(a)anthracene	21.486	228	519035	3.836	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	157799	3.554	ng	98
83) Chrysene	21.539	228	479538	3.751	ng	98
84) Bis(2-ethylhexyl)phtha...	21.439	149	331889	3.378	ng	99
85) Di-n-octyl phthalate	22.374	149	464251	2.706	ng	98
87) Indeno(1,2,3-cd)pyrene	26.374	276	508439	3.510	ng	99
88) Benzo(b)fluoranthene	23.168	252	473405	3.700	ng	99
89) Benzo(k)fluoranthene	23.215	252	450903	3.709	ng	99
90) Benzo(a)pyrene	23.786	252	385705	3.451	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	434977	3.590	ng	99
92) Benzo(g,h,i)perylene	27.132	276	416832	3.392	ng	98

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

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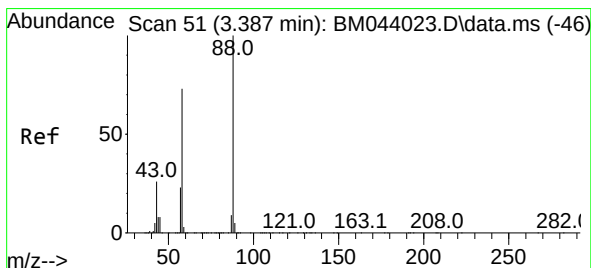
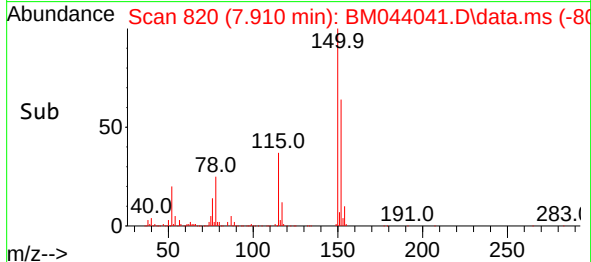
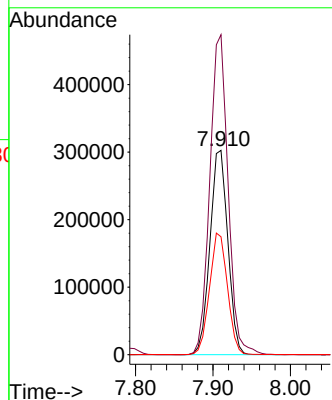
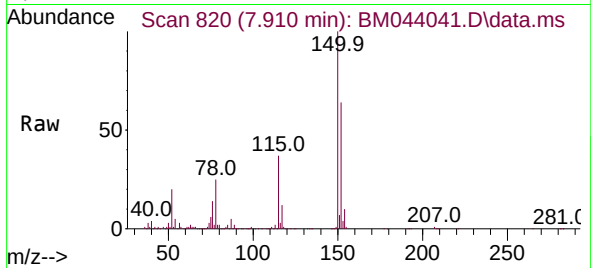




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

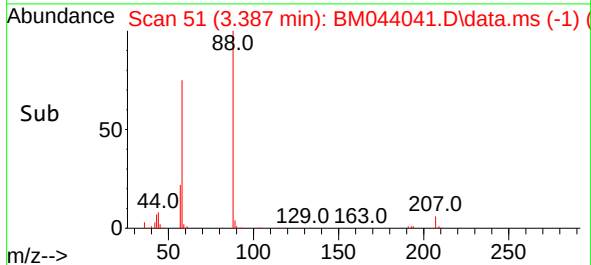
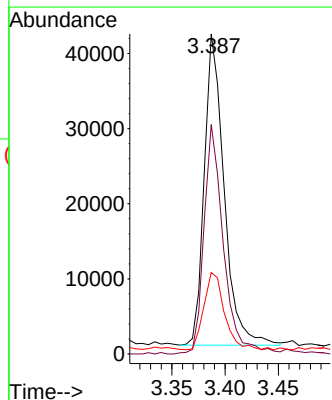
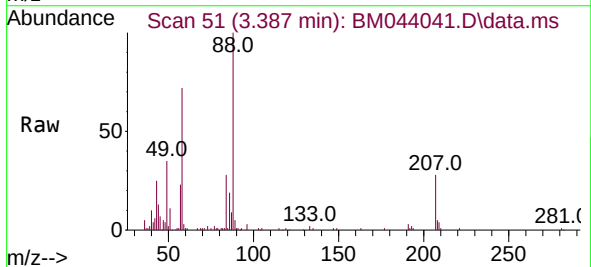
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

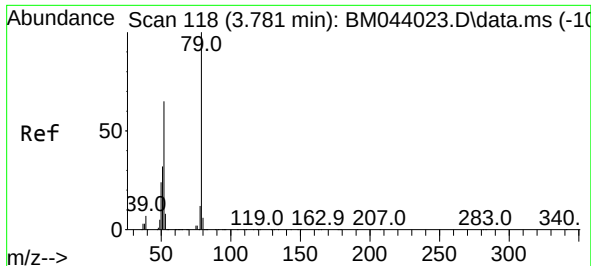
Tgt Ion:152 Resp: 485325
Ion Ratio Lower Upper
152 100
150 156.6 122.7 184.1
115 57.8 47.0 70.6



#2
1,4-Dioxane
Concen: 4.057 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion: 88 Resp: 53732
Ion Ratio Lower Upper
88 100
58 72.2 58.1 87.1
43 25.7 21.1 31.7

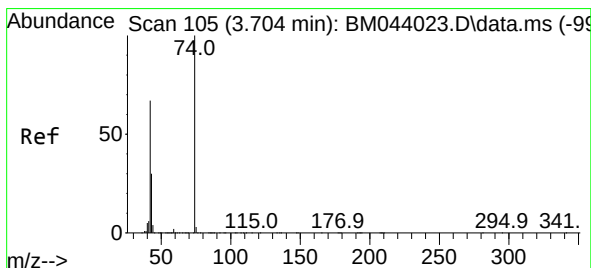
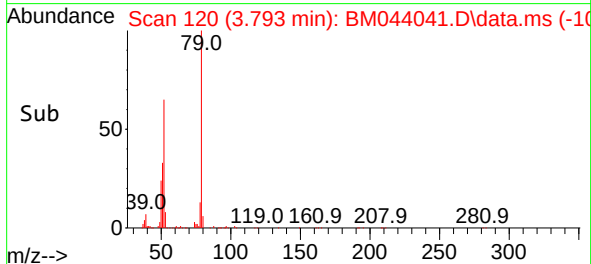
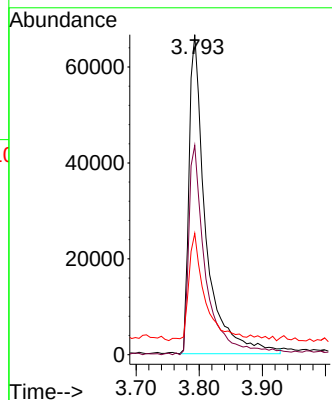
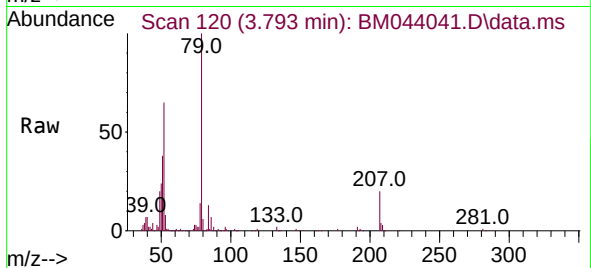




#3
Pyridine
Concen: 3.510 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

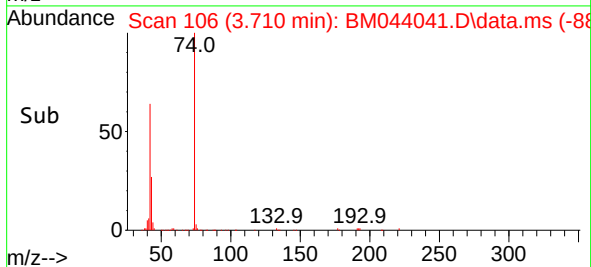
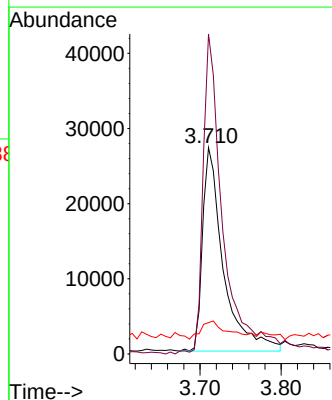
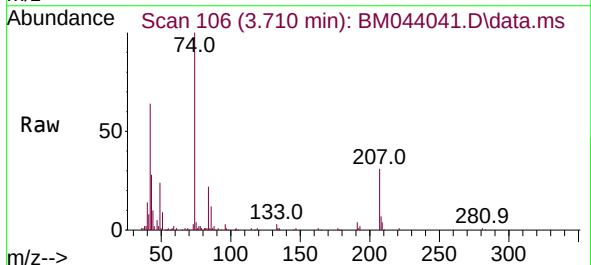
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

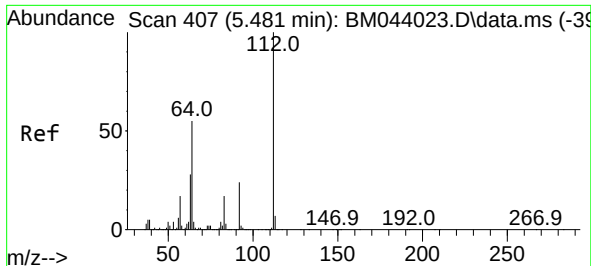
Tgt Ion: 79 Resp: 122715
Ion Ratio Lower Upper
79 100
52 65.4 52.2 78.2
51 37.9 26.2 39.4



#4
n-Nitrosodimethylamine
Concen: 3.643 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion: 42 Resp: 48322
Ion Ratio Lower Upper
42 100
74 155.1 118.6 178.0
44 15.2 5.6 8.4

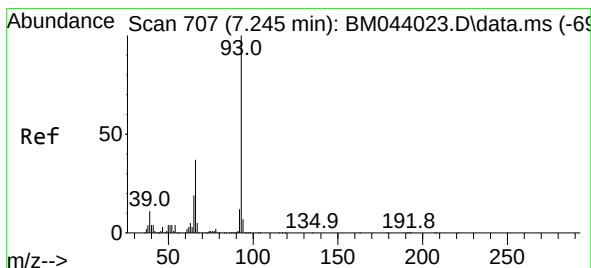
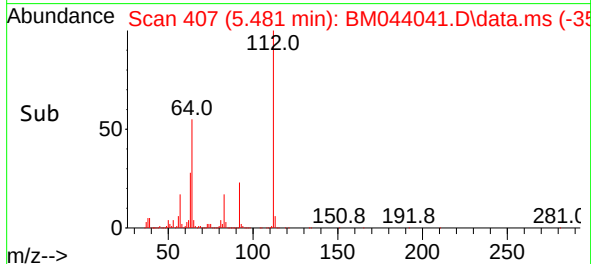
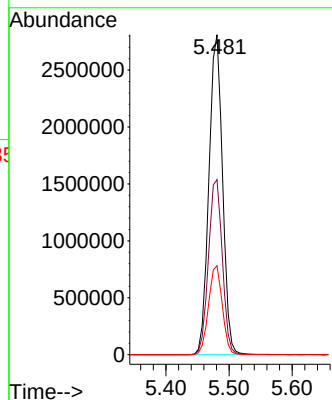
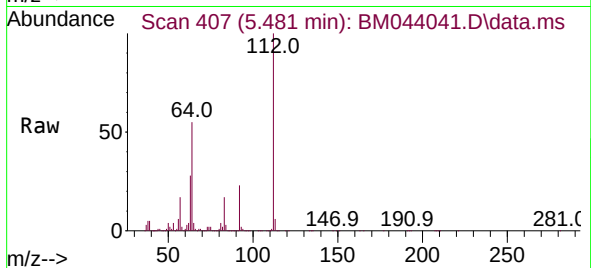




#5
2-Fluorophenol
Concen: 126.406 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

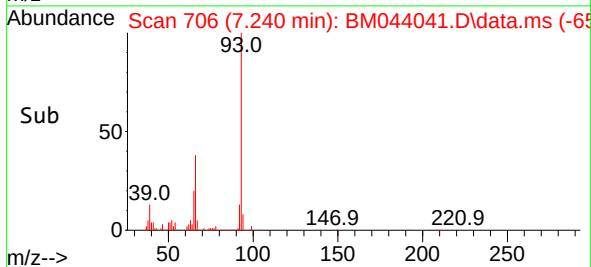
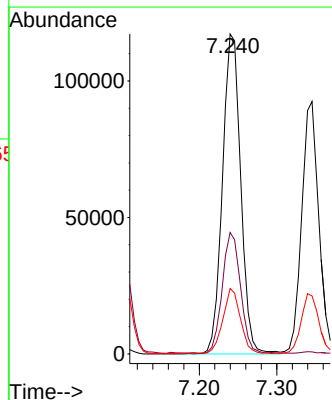
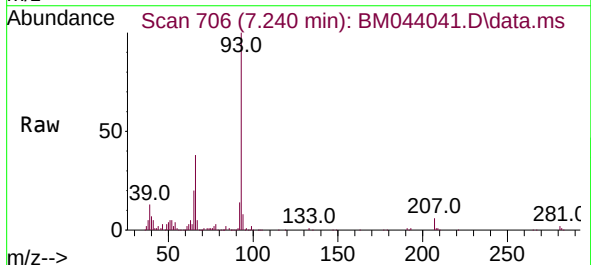
Instrument :
BNA_M
ClientSampleId :
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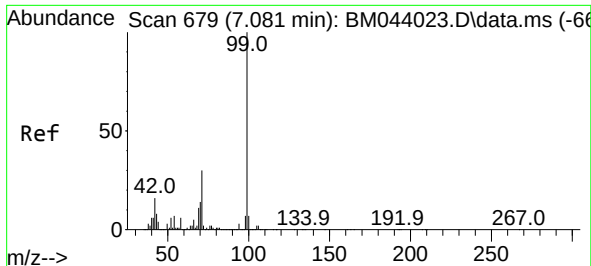
Tgt Ion:112 Resp: 4218013
Ion Ratio Lower Upper
112 100
64 54.7 44.2 66.4
63 27.8 22.6 34.0



#6
Aniline
Concen: 4.601 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion: 93 Resp: 192083
Ion Ratio Lower Upper
93 100
66 37.9 29.4 44.0
65 20.4 15.2 22.8



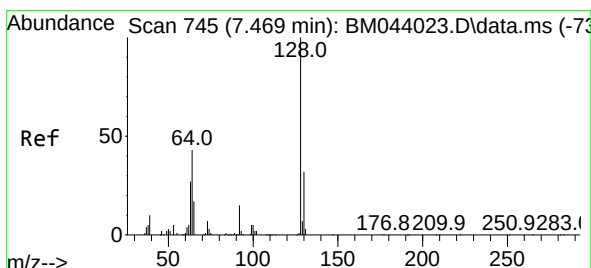
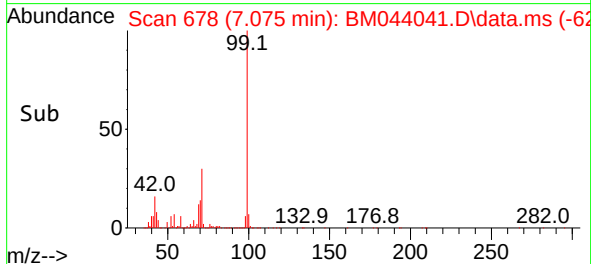
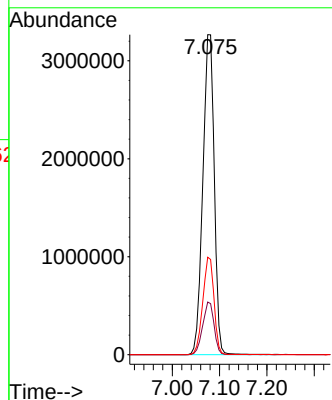
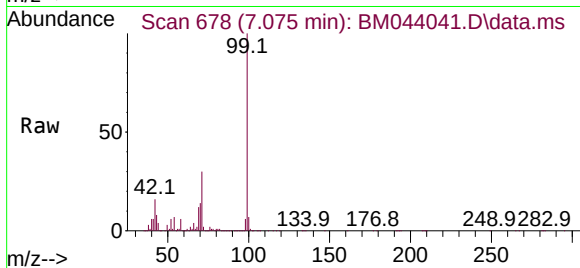


#7
Phenol-d6
Concen: 128.937 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 99 Resp: 5474227

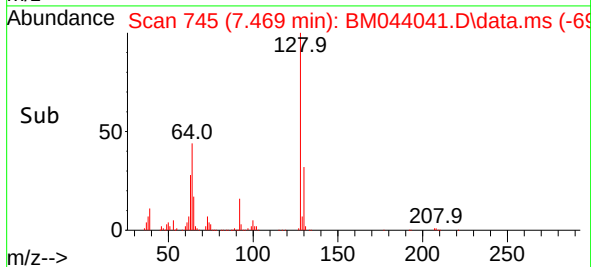
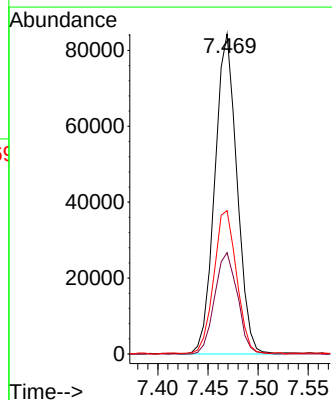
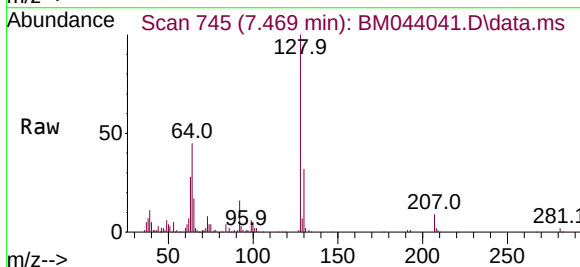
Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.9	19.3
71	30.4	23.9	35.9

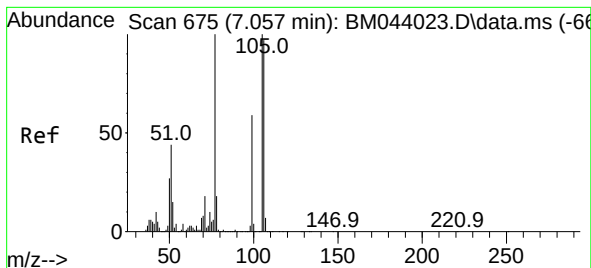


#8
2-Chlorophenol
Concen: 3.724 ng
RT: 7.469 min Scan# 745
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion: 128 Resp: 129780

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.1	52.1
64	44.8	26.0	66.0





#9

Benzaldehyde

Concen: 5.777 ng

RT: 7.057 min Scan# 61

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

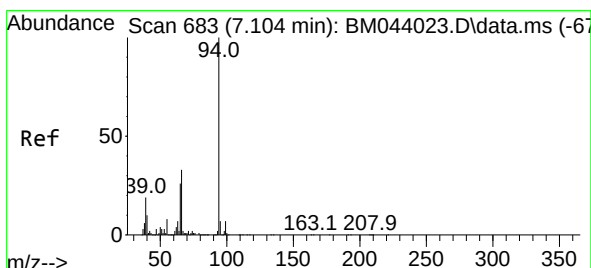
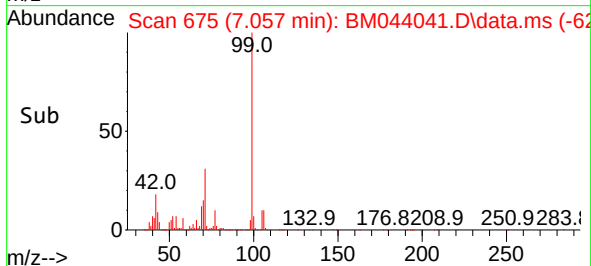
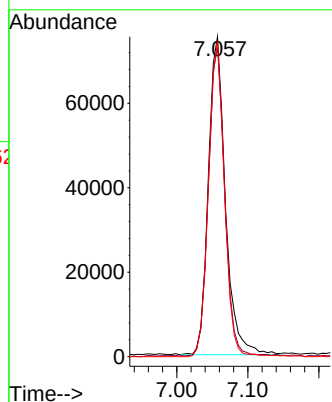
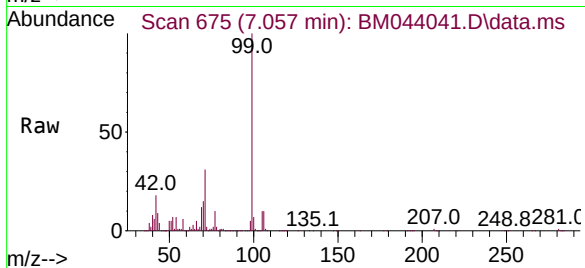
Tgt Ion: 77 Resp: 126044

Ion Ratio Lower Upper

77 100

105 97.0 80.0 120.0

106 98.6 76.8 116.8



#10

Phenol

Concen: 3.988 ng

RT: 7.104 min Scan# 683

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

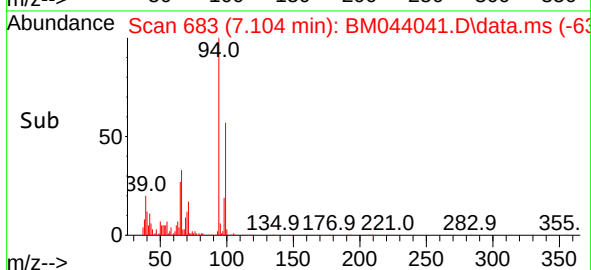
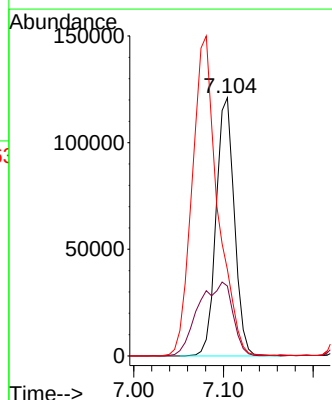
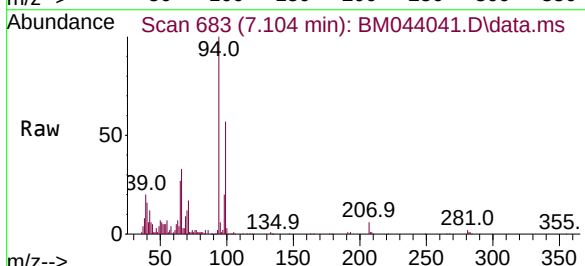
Tgt Ion: 94 Resp: 170898

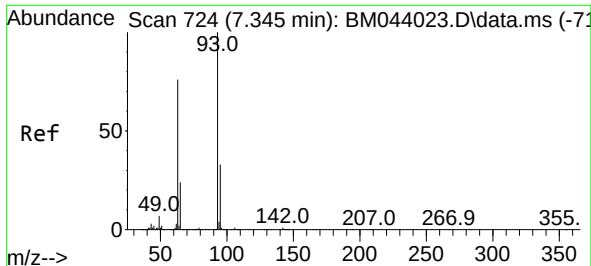
Ion Ratio Lower Upper

94 100

65 27.1 6.4 46.4

66 33.5 13.2 53.2

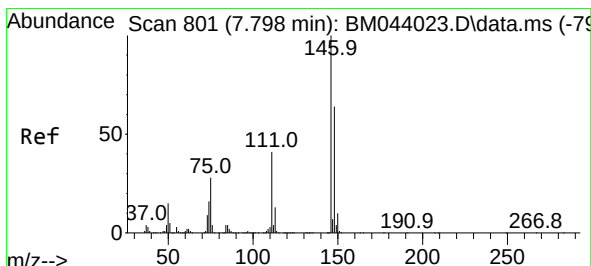
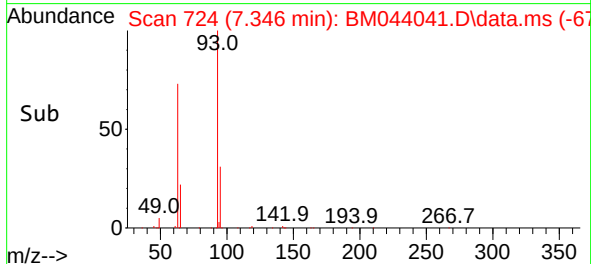
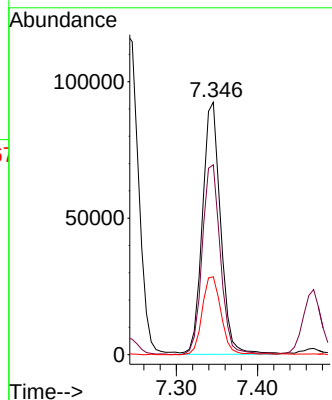
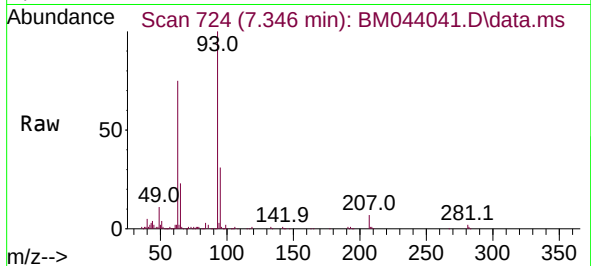




#11
bis(2-Chloroethyl)ether
Concen: 4.052 ng
RT: 7.346 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

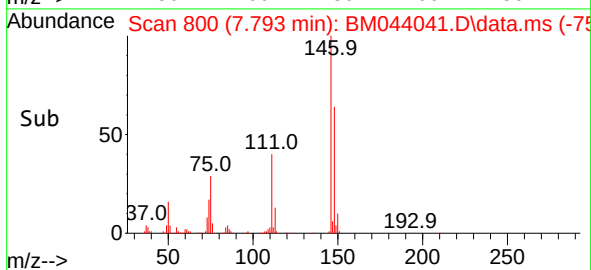
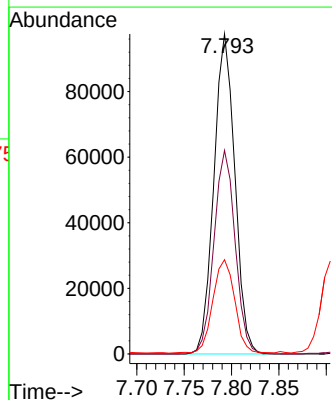
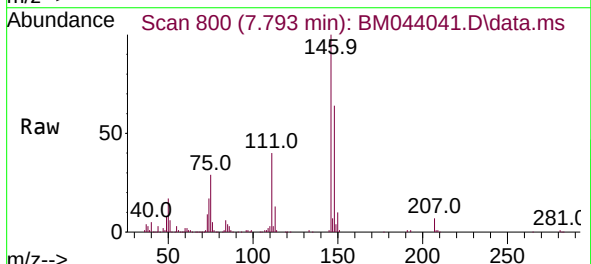
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

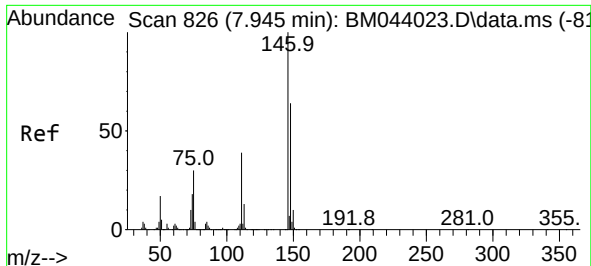
Tgt Ion: 93 Resp: 143766
Ion Ratio Lower Upper
93 100
63 75.2 55.9 95.9
95 30.9 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 3.791 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:146 Resp: 149985
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
75 29.5 22.7 34.1

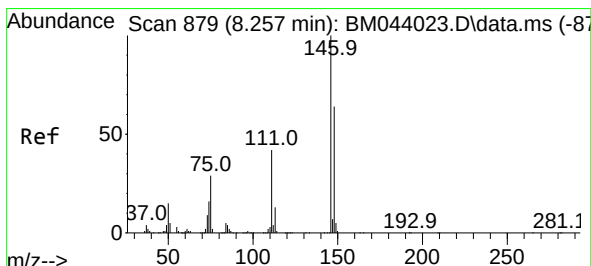
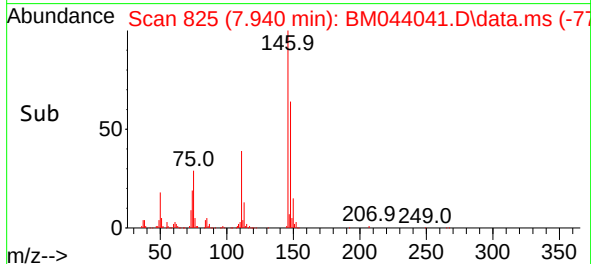
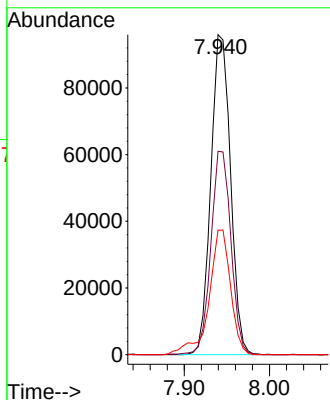
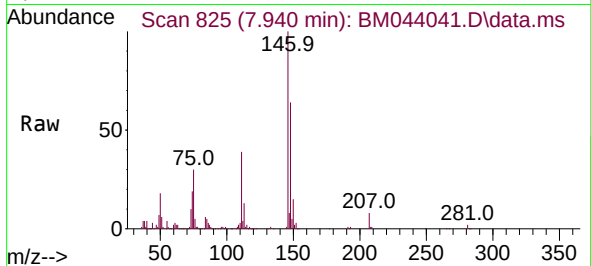




#13
1,4-Dichlorobenzene
Concen: 3.866 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

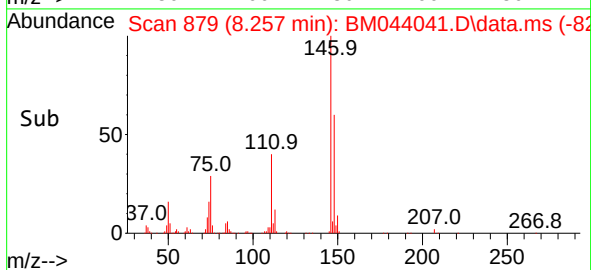
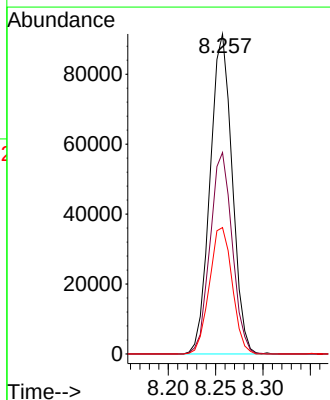
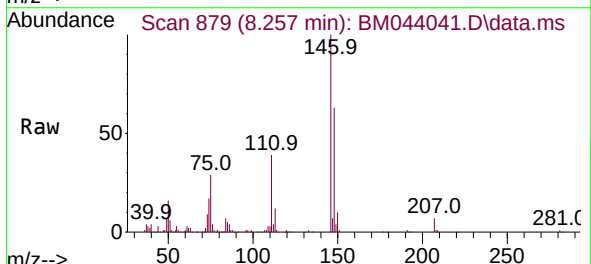
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

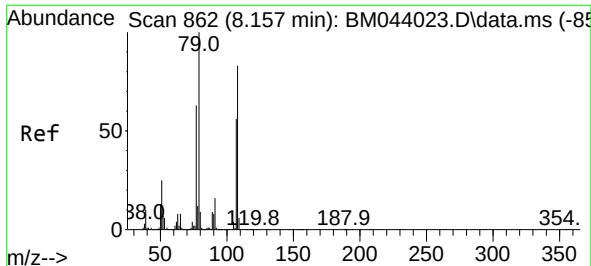
Tgt Ion:146 Resp: 154159
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
111 38.9 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 3.901 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:146 Resp: 148224
Ion Ratio Lower Upper
146 100
148 62.9 51.4 77.2
111 39.5 33.7 50.5

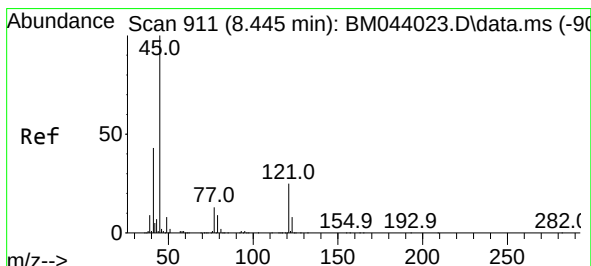
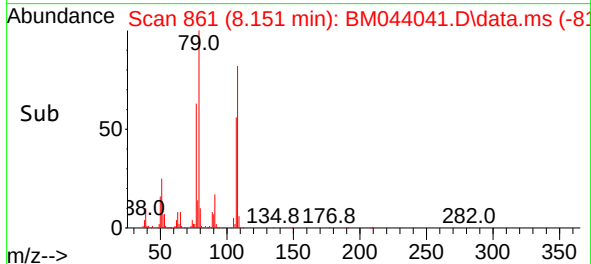
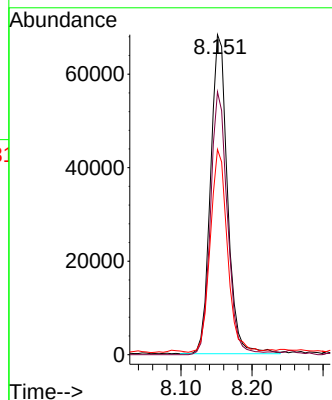
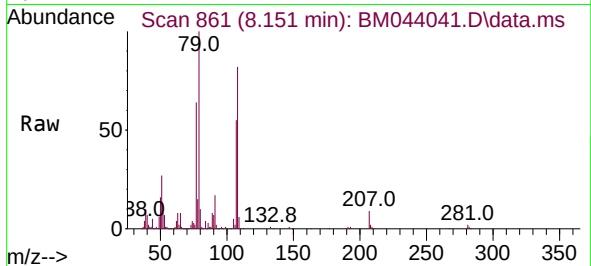




#15
Benzyl Alcohol
Concen: 4.097 ng
RT: 8.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

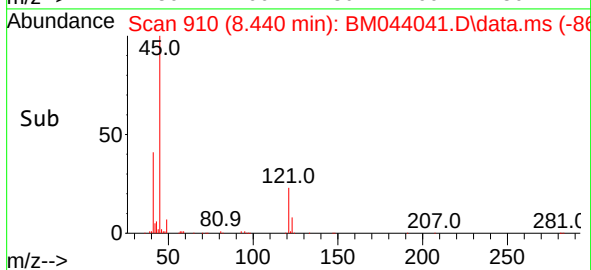
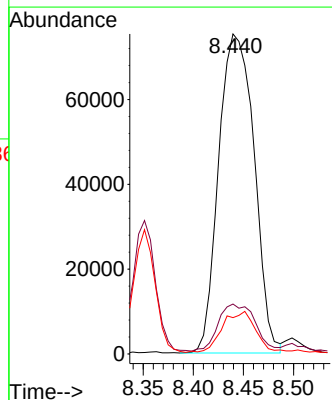
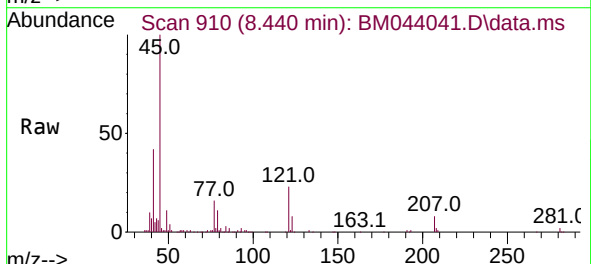
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

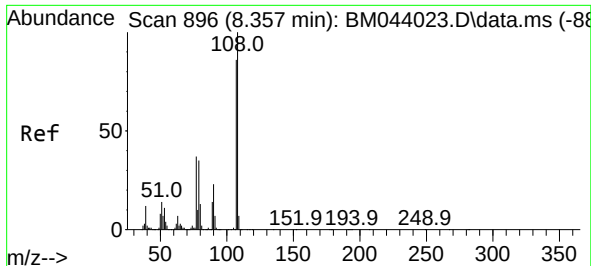
Tgt Ion: 79 Resp: 113251
Ion Ratio Lower Upper
79 100
108 82.2 66.0 99.0
77 64.1 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.113 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion: 45 Resp: 184995
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.1
79 11.4 0.0 31.5

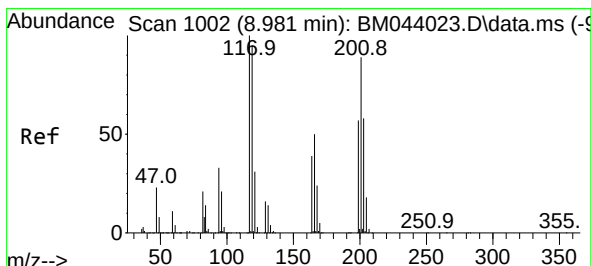
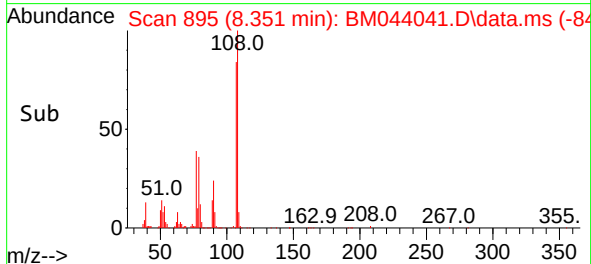
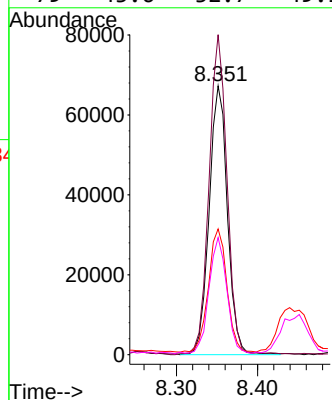
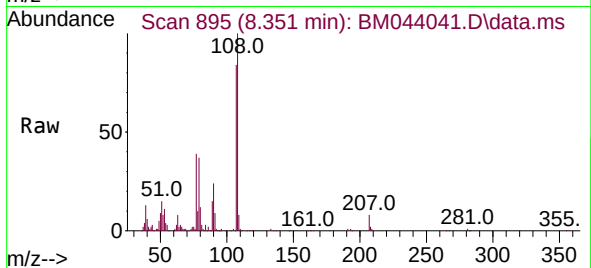




#17
2-Methylphenol
Concen: 3.745 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

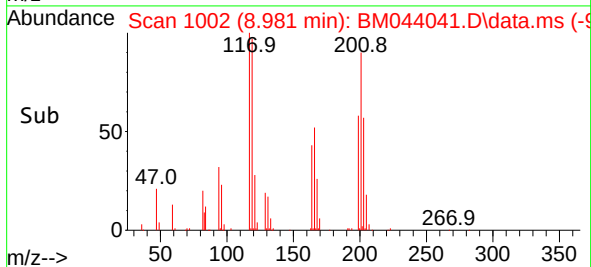
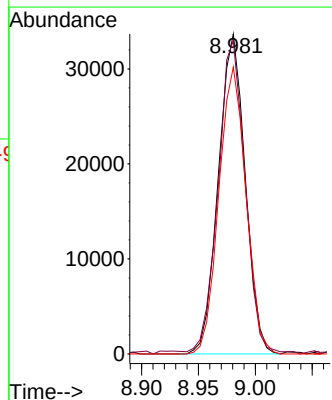
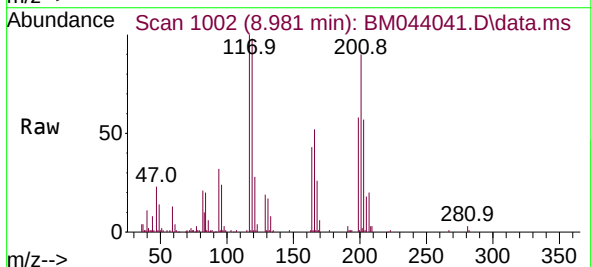
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

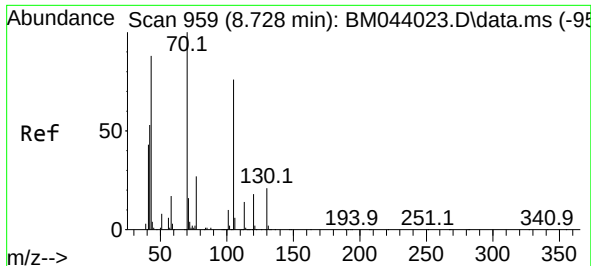
Tgt Ion:107 Resp: 105340
Ion Ratio Lower Upper
107 100
108 119.0 93.4 140.2
77 46.8 34.7 52.1
79 43.6 32.7 49.1



#18
Hexachloroethane
Concen: 3.700 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:117 Resp: 55247
Ion Ratio Lower Upper
117 100
119 97.9 75.7 113.5
201 91.3 71.5 107.3

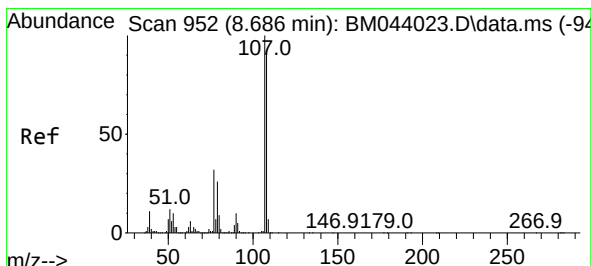
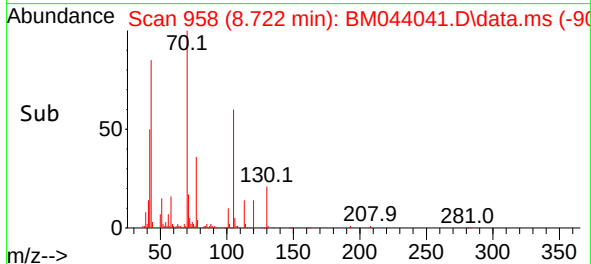
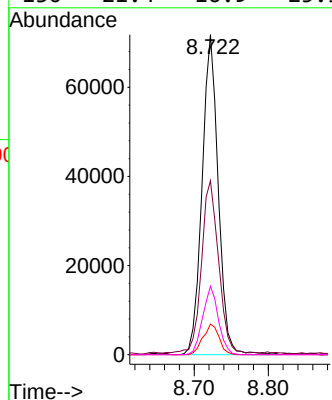
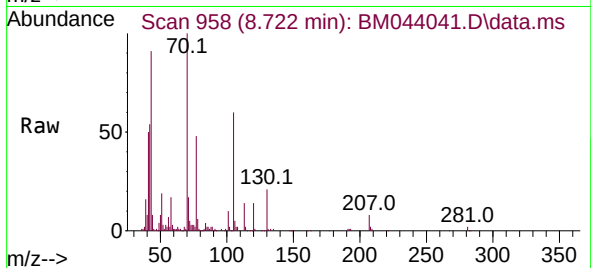




#19
n-Nitroso-di-n-propylamine
Concen: 4.178 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

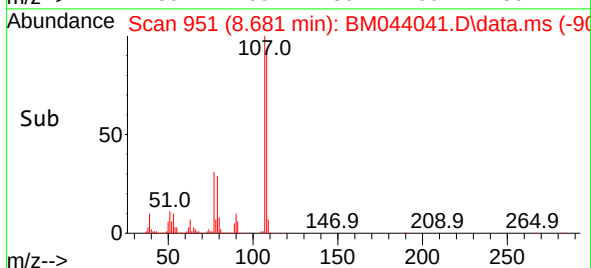
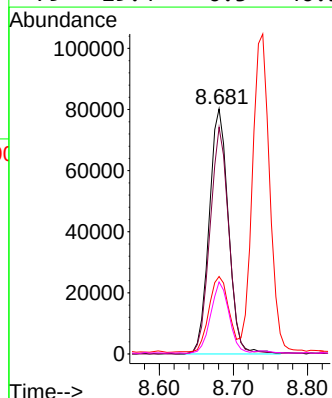
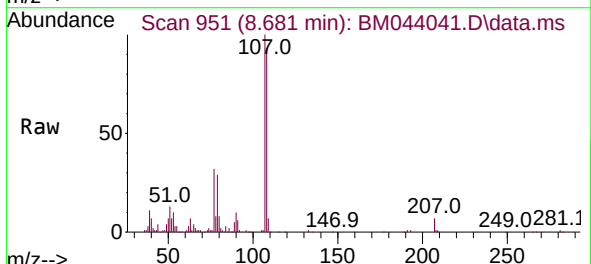
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

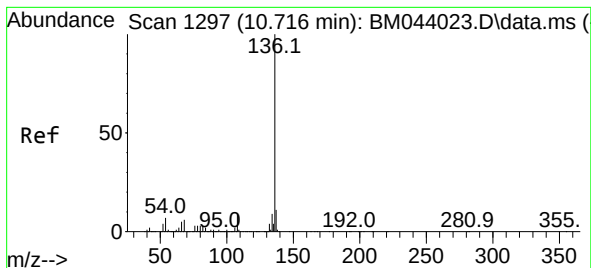
Tgt Ion:	70	Resp:	108923
Ion	Ratio	Lower	Upper
70	100		
42	54.3	42.6	64.0
101	9.5	7.8	11.6
130	21.4	16.9	25.3



#20
3+4-Methylphenols
Concen: 3.742 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:	107	Resp:	144880
Ion	Ratio	Lower	Upper
107	100		
108	92.5	71.5	111.5
77	31.6	11.8	51.8
79	29.4	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: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:136 Resp: 2155904

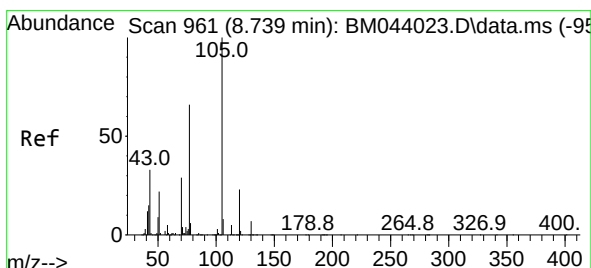
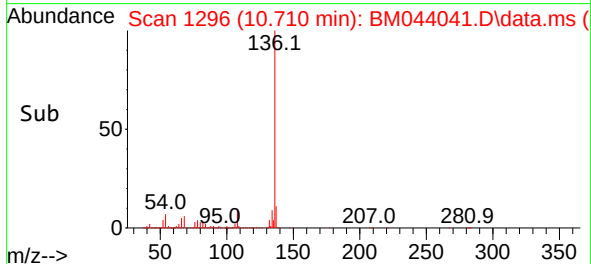
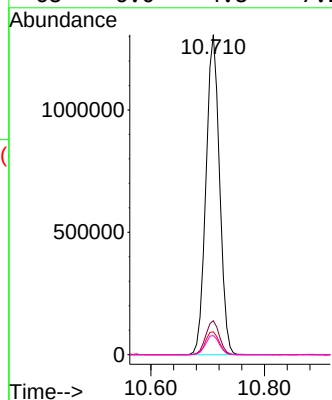
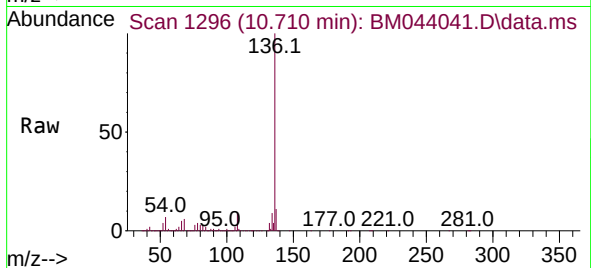
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.1 5.9 8.9

68 6.0 4.8 7.2



#22

Acetophenone

Concen: 4.025 ng

RT: 8.740 min Scan# 961

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Tgt Ion:105 Resp: 220247

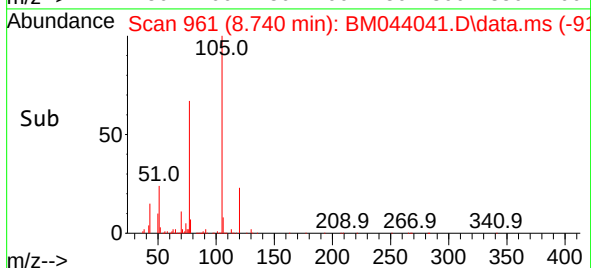
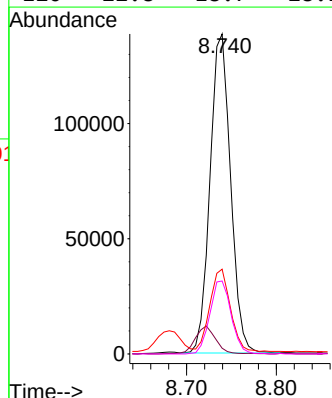
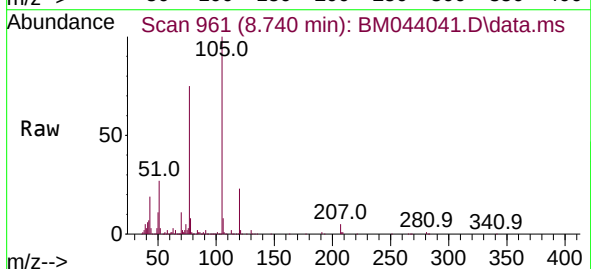
Ion Ratio Lower Upper

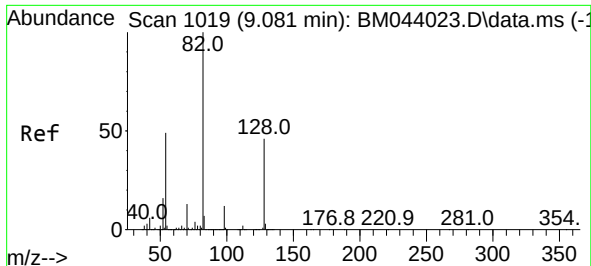
105 100

71 1.8 4.0 6.0#

51 26.5 20.1 30.1

120 22.8 18.7 28.1

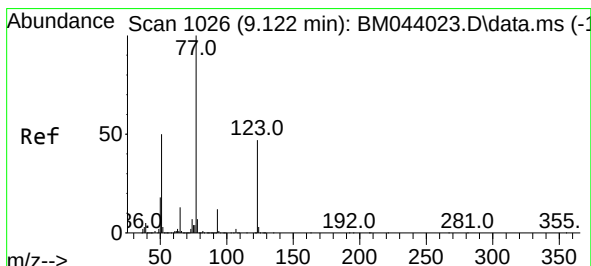
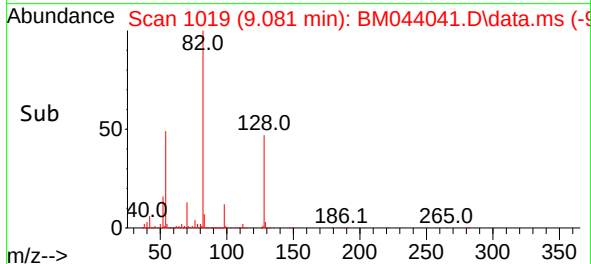
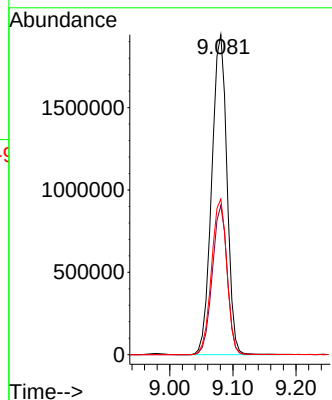
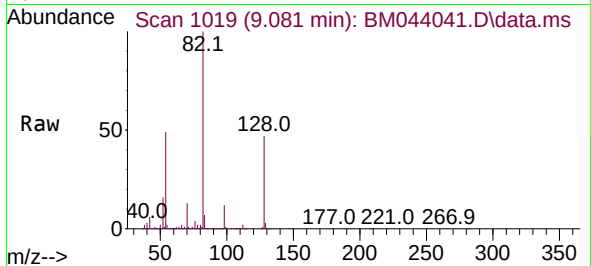




#23
Nitrobenzene-d5
Concen: 80.083 ng
RT: 9.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

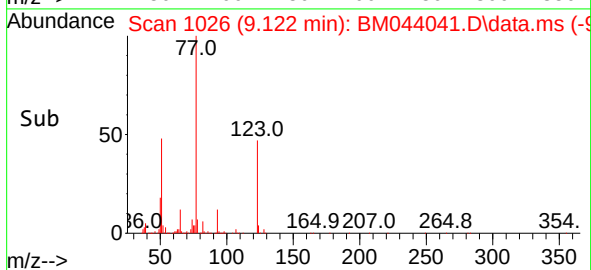
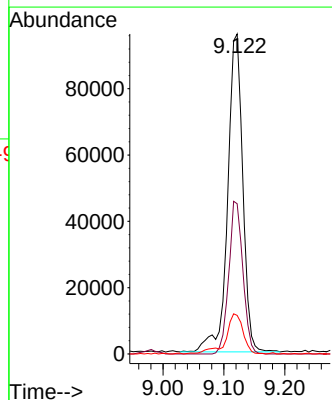
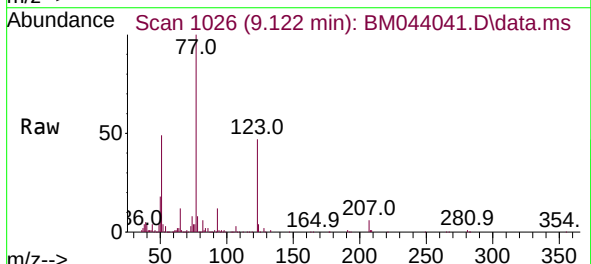
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

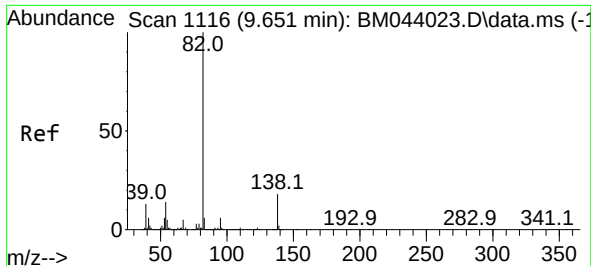
Tgt Ion: 82 Resp: 3253655
Ion Ratio Lower Upper
82 100
128 46.6 37.1 55.7
54 48.6 38.9 58.3



#24
Nitrobenzene
Concen: 3.985 ng
RT: 9.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion: 77 Resp: 165817
Ion Ratio Lower Upper
77 100
123 47.0 37.8 56.8
65 12.0 10.5 15.7





#25

Isophorone

Concen: 3.778 ng

RT: 9.639 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

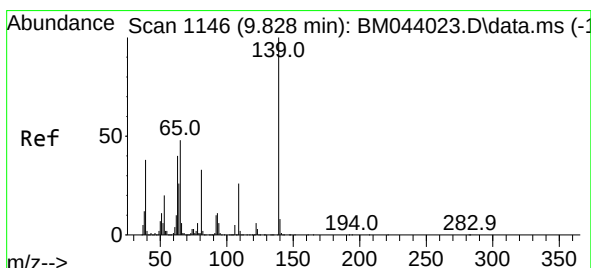
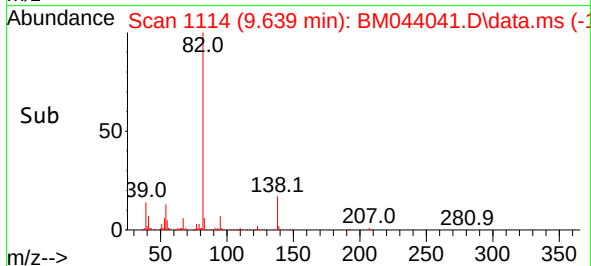
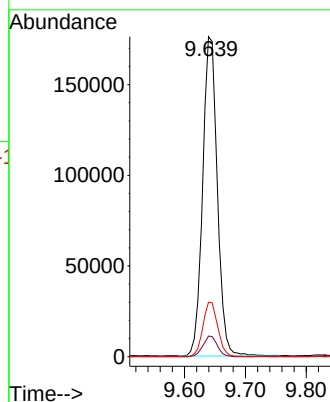
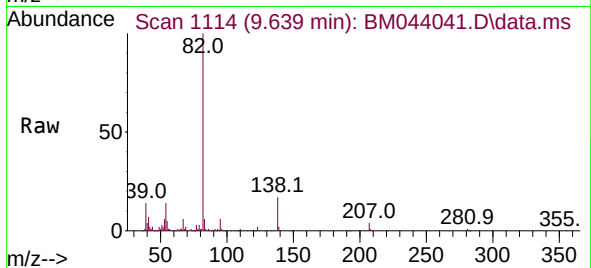
Tgt Ion: 82 Resp: 295538

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 17.1 14.3 21.5



#26

2-Nitrophenol

Concen: 3.253 ng

RT: 9.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

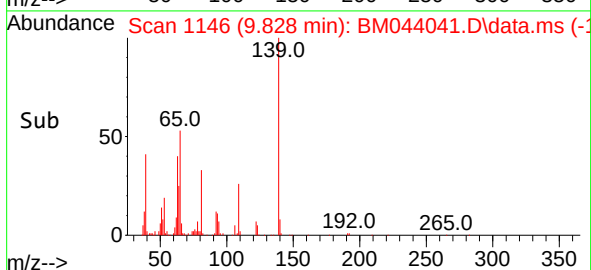
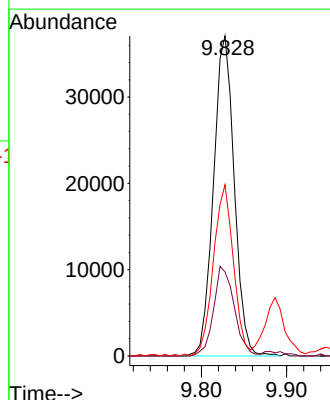
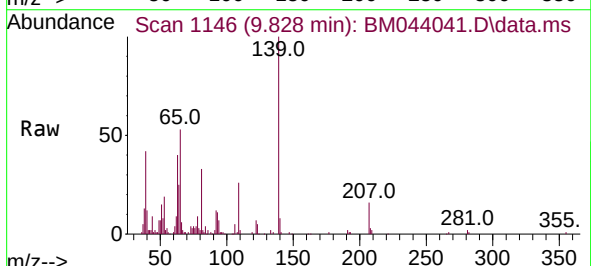
Tgt Ion:139 Resp: 62745

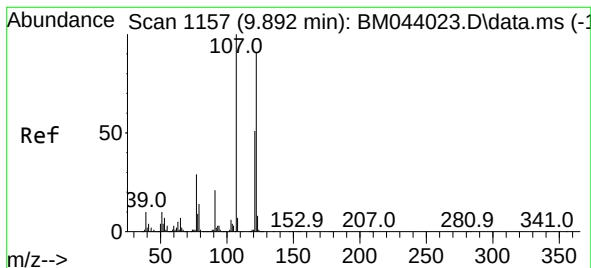
Ion Ratio Lower Upper

139 100

109 26.2 21.2 31.8

65 53.5 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 4.052 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

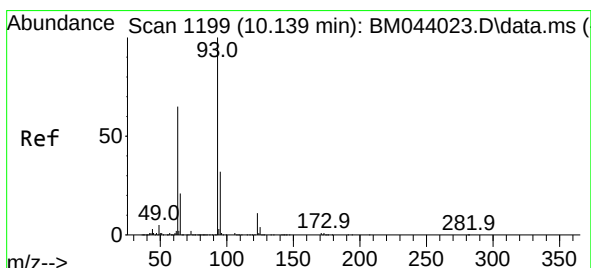
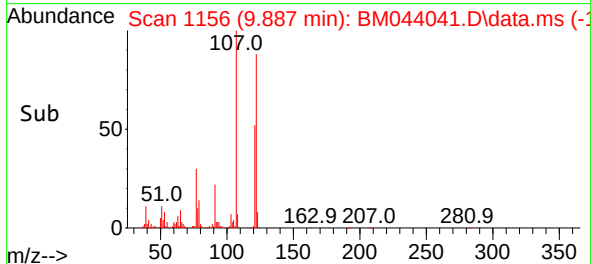
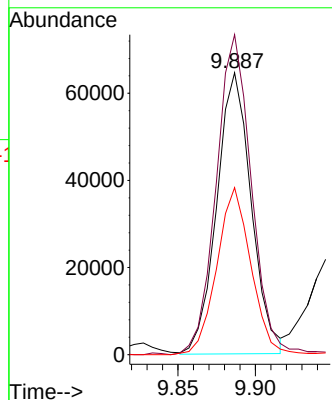
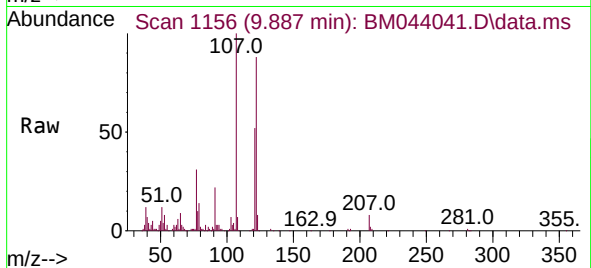
Tgt Ion:122 Resp: 99938

Ion Ratio Lower Upper

122 100

107 113.5 87.8 131.8

121 59.2 44.7 67.1



#28

bis(2-Chloroethoxy)methane

Concen: 3.912 ng

RT: 10.134 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

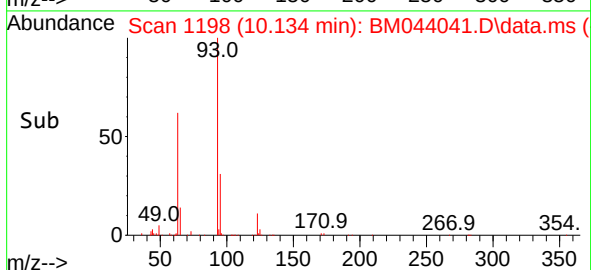
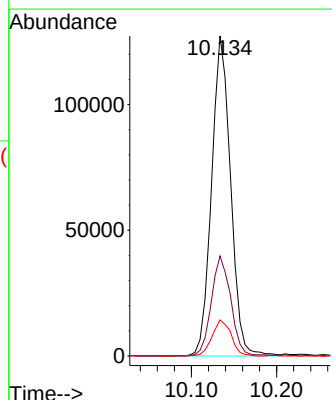
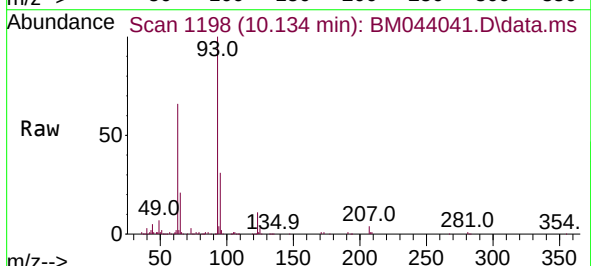
Tgt Ion: 93 Resp: 197906

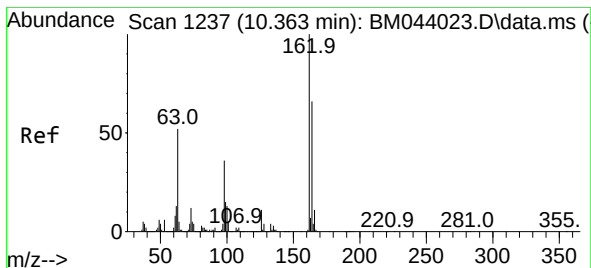
Ion Ratio Lower Upper

93 100

95 31.2 26.0 39.0

123 11.3 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.442 ng

RT: 10.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

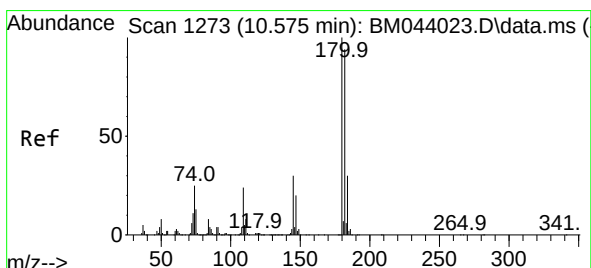
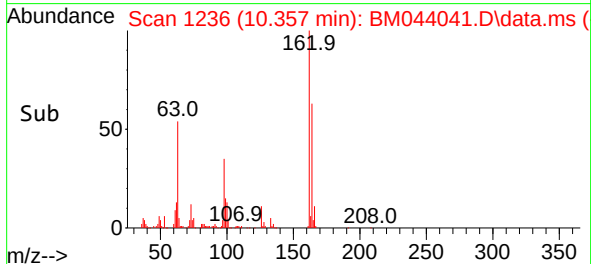
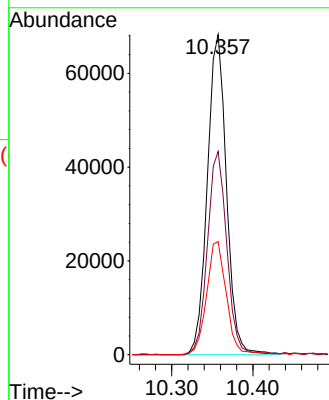
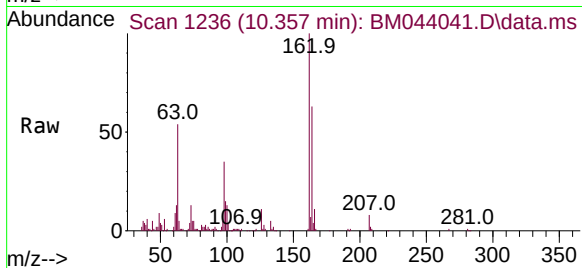
Tgt Ion:162 Resp: 111778

Ion Ratio Lower Upper

162 100

164 63.5 46.1 86.1

98 35.3 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 3.709 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

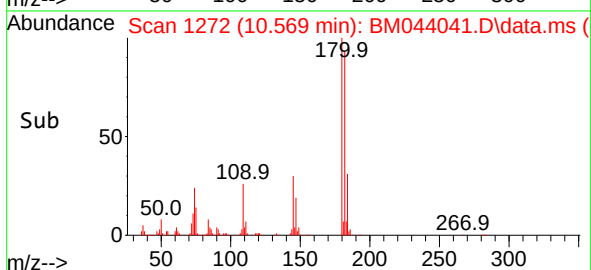
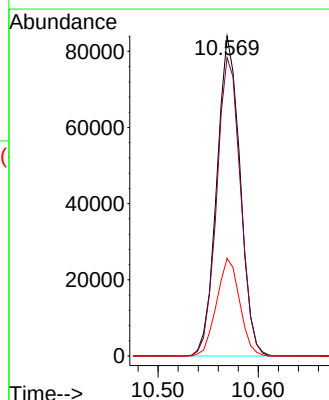
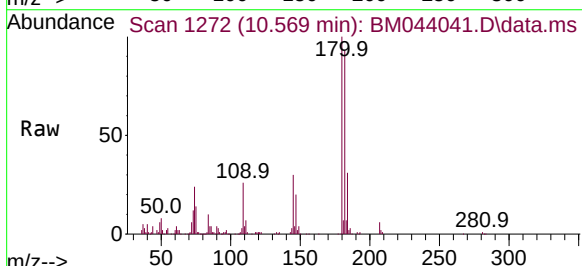
Tgt Ion:180 Resp: 135447

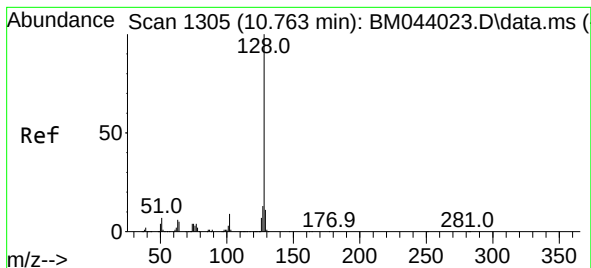
Ion Ratio Lower Upper

180 100

182 93.3 75.2 112.8

145 30.5 24.3 36.5





#31

Naphthalene

Concen: 3.805 ng

RT: 10.757 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

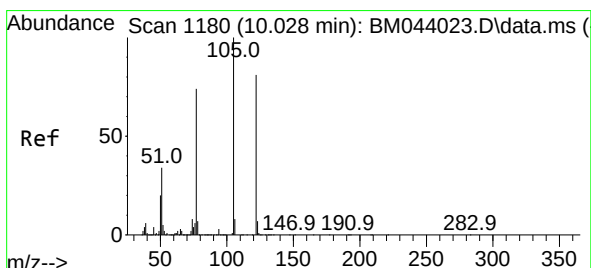
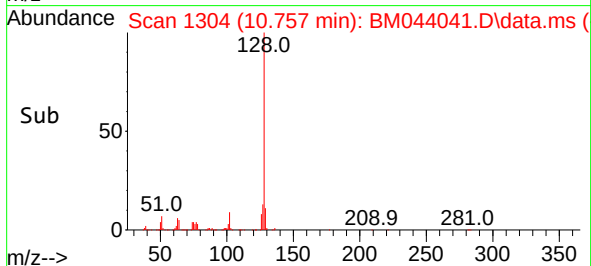
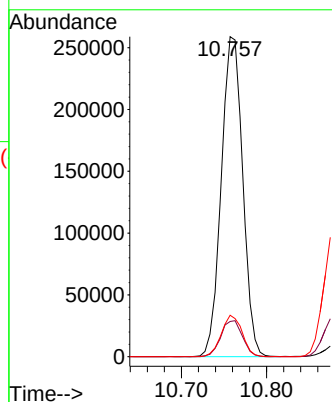
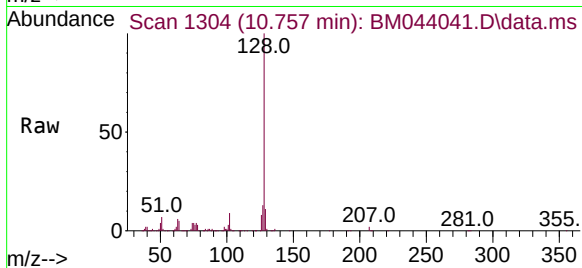
Tgt Ion:128 Resp: 452697

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

127 13.0 10.3 15.5



#32

Benzoic acid

Concen: 1.821 ng

RT: 9.945 min Scan# 1166

Delta R.T. -0.083 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

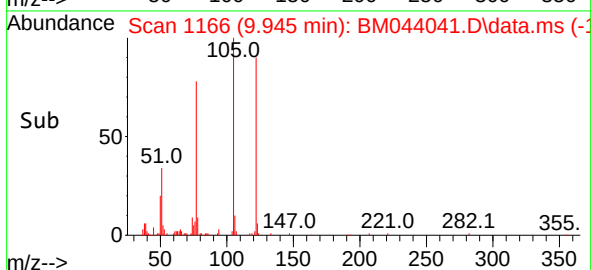
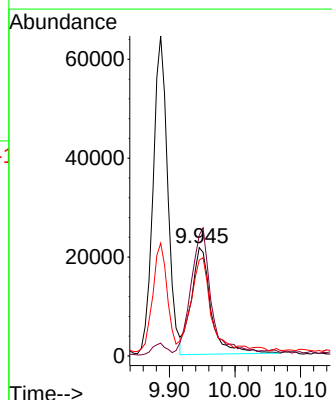
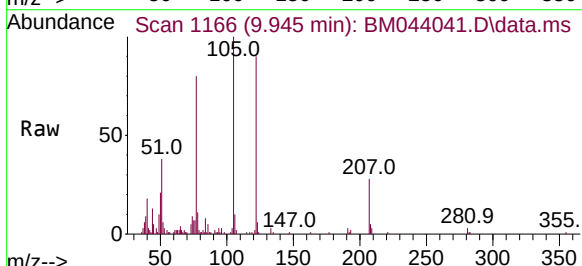
Tgt Ion:122 Resp: 45238

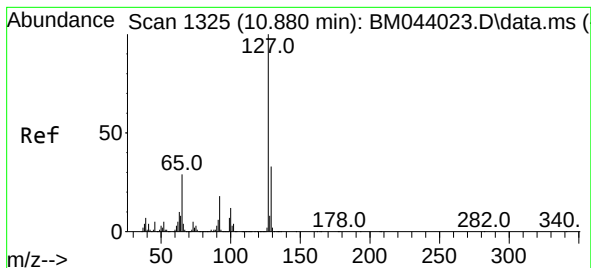
Ion Ratio Lower Upper

122 100

105 111.6 100.1 140.1

77 88.7 69.6 109.6

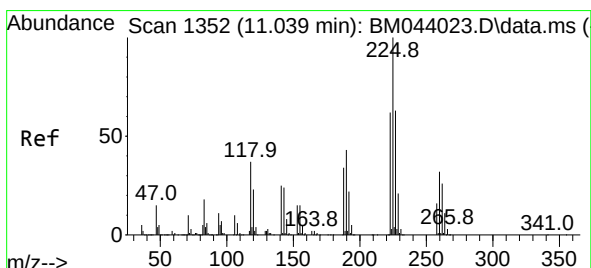
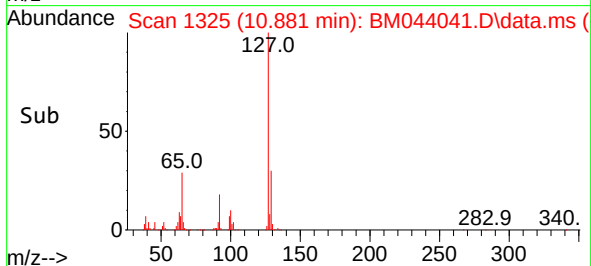
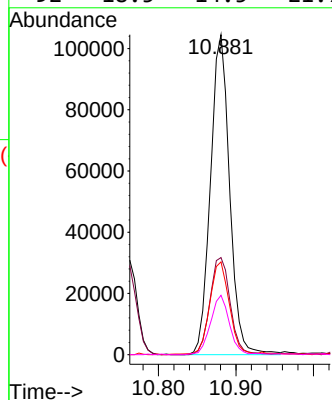
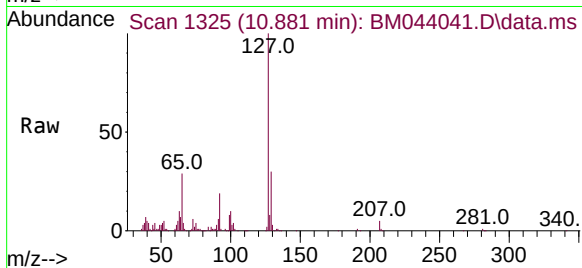




#33
4-Chloroaniline
Concen: 3.991 ng
RT: 10.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

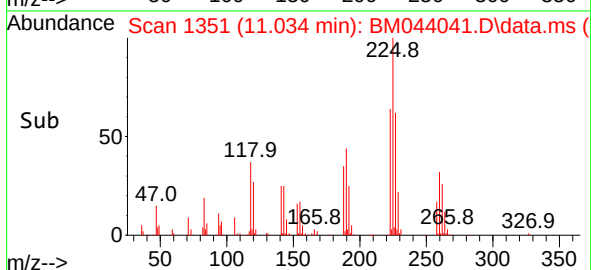
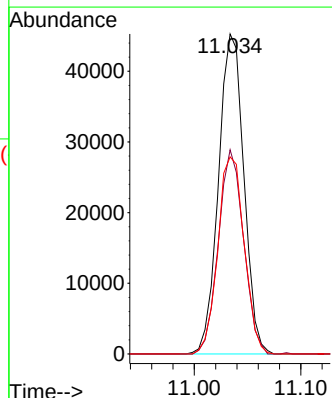
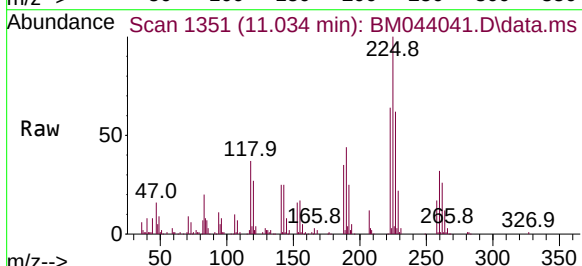
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

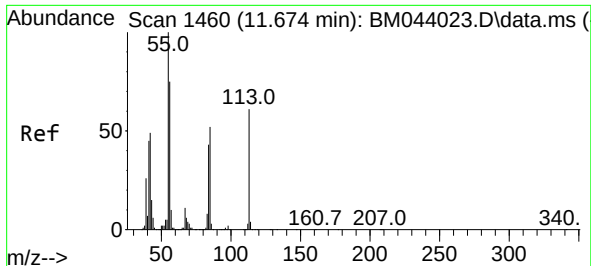
Tgt Ion:127	Resp:	179801	
Ion	Ratio	Lower	Upper
127	100		
129	30.3	26.0	39.0
65	29.0	23.0	34.6
92	18.5	14.5	21.7



#34
Hexachlorobutadiene
Concen: 3.577 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:225	Resp:	74772	
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.9	74.9
227	61.6	50.6	76.0

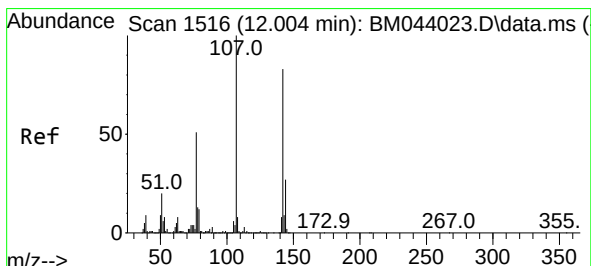
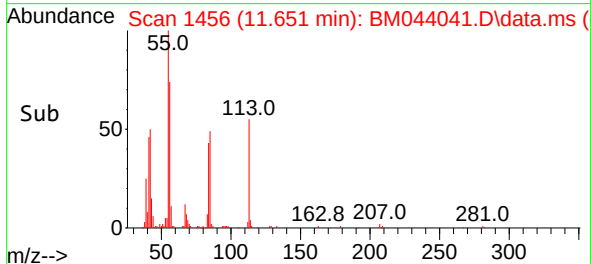
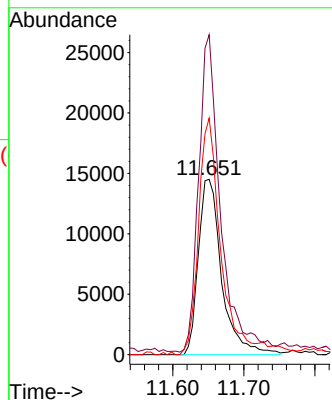
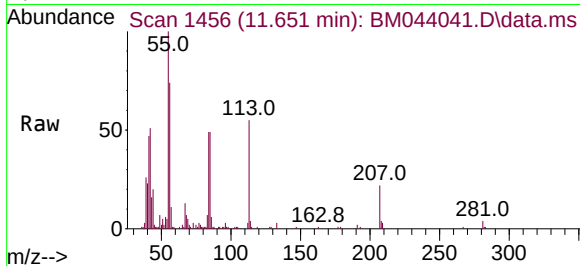




#35
Caprolactam
Concen: 3.181 ng
RT: 11.651 min Scan# 1456
Delta R.T. -0.023 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

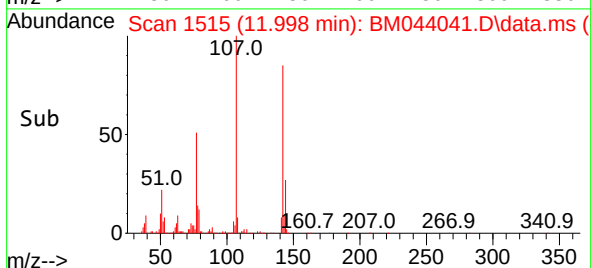
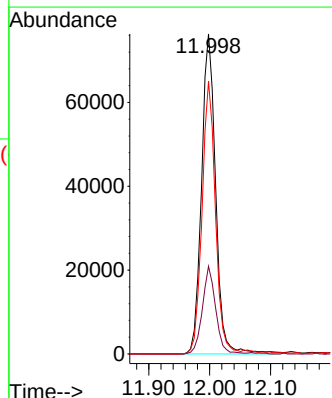
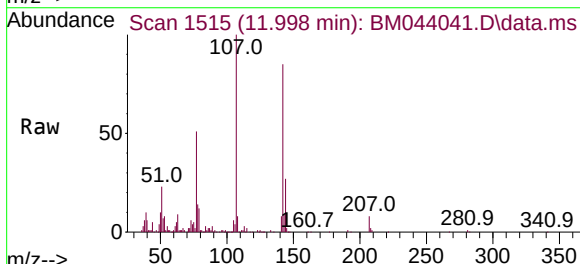
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

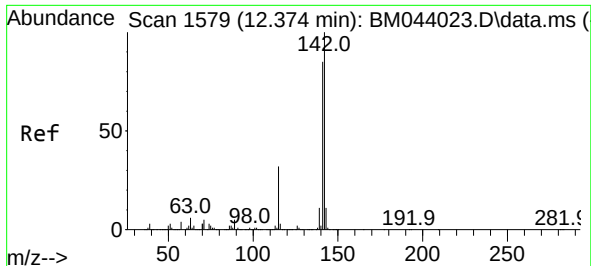
Tgt Ion:113 Resp: 33236
Ion Ratio Lower Upper
113 100
55 182.5 145.6 185.6
56 135.0 103.3 143.3



#36
4-Chloro-3-methylphenol
Concen: 3.505 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:107 Resp: 123232
Ion Ratio Lower Upper
107 100
144 27.4 21.3 31.9
142 85.2 66.2 99.4

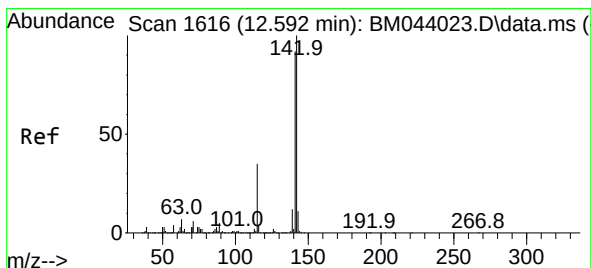
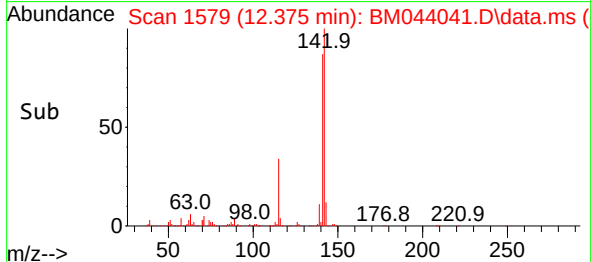
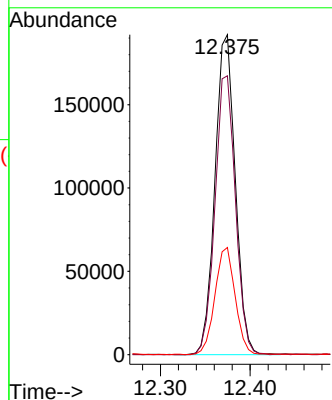
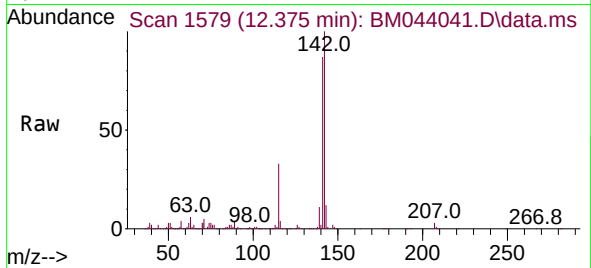




#37
2-Methylnaphthalene
Concen: 3.811 ng
RT: 12.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

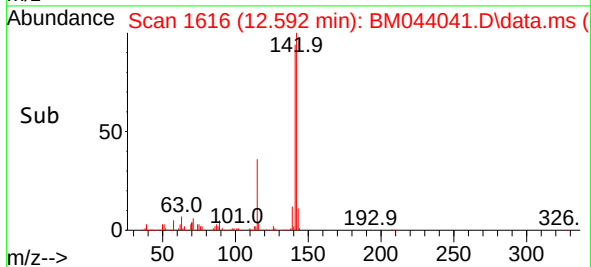
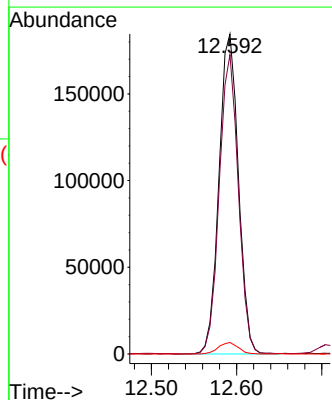
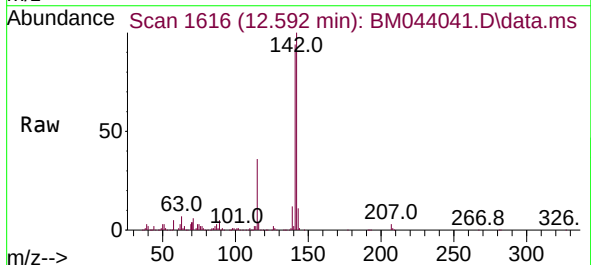
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

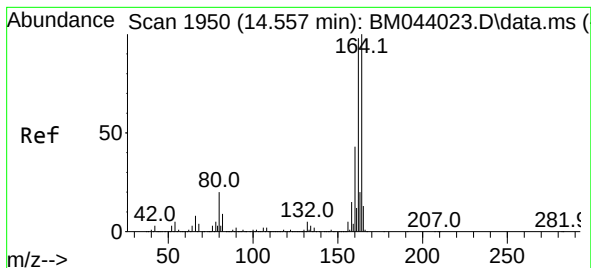
Tgt Ion:142 Resp: 302070
Ion Ratio Lower Upper
142 100
141 87.2 68.3 102.5
115 33.5 25.7 38.5



#38
1-Methylnaphthalene
Concen: 3.766 ng
RT: 12.592 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:142 Resp: 293273
Ion Ratio Lower Upper
142 100
141 93.6 73.4 110.0
116 3.6 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: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

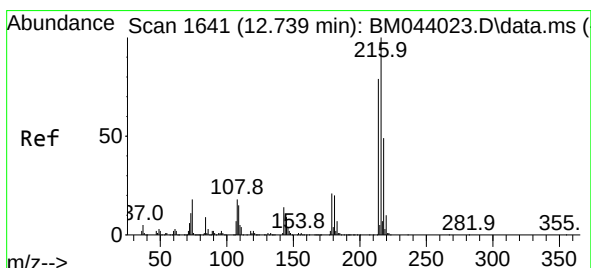
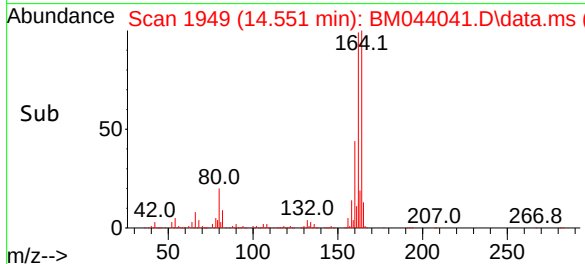
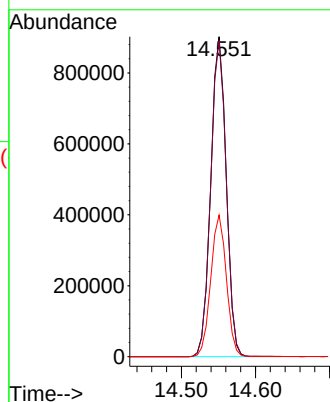
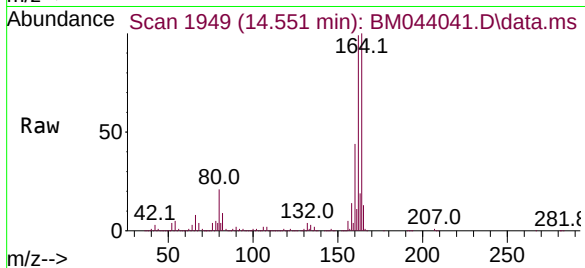
Tgt Ion:164 Resp: 1306841

Ion Ratio Lower Upper

164 100

162 98.8 78.4 117.6

160 44.2 34.6 51.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.848 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Tgt Ion:216 Resp: 146153

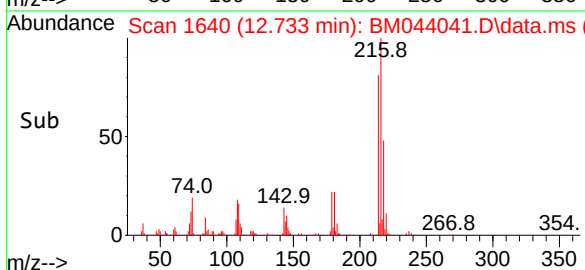
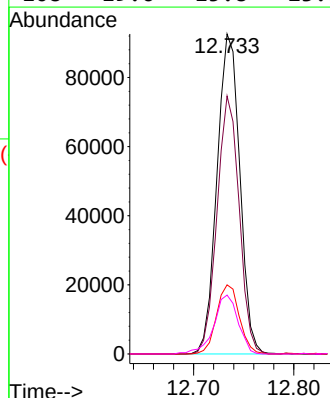
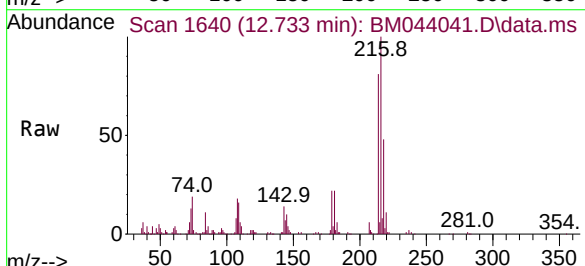
Ion Ratio Lower Upper

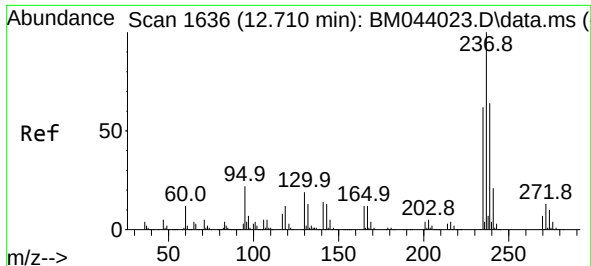
216 100

214 78.2 63.1 94.7

179 21.6 17.0 25.6

108 19.6 15.8 23.8

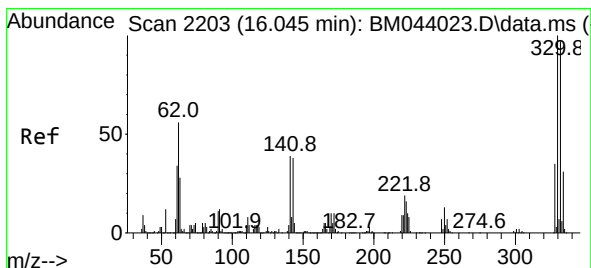
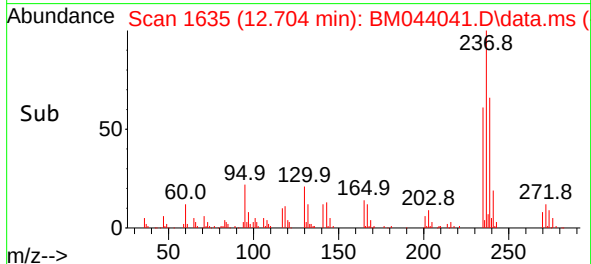
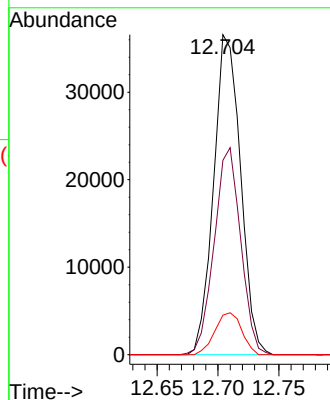
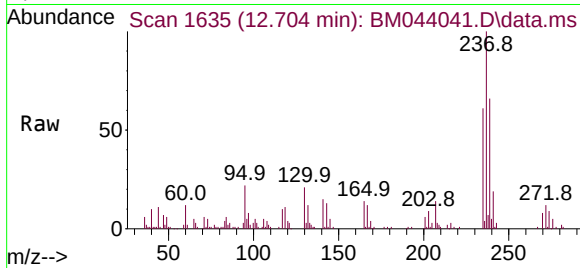




#41
Hexachlorocyclopentadiene
Concen: 3.391 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

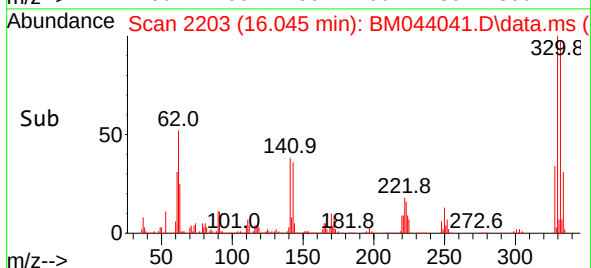
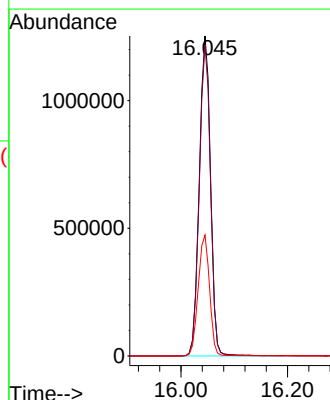
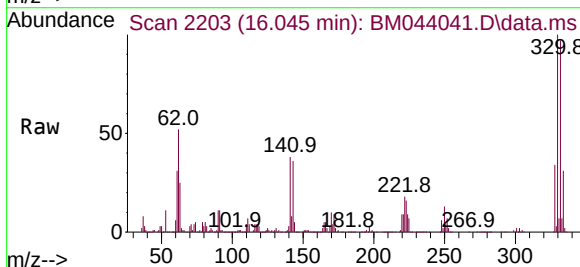
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

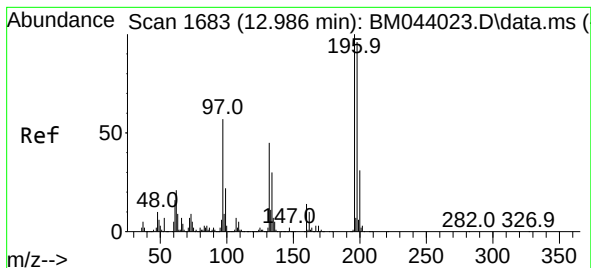
Tgt Ion:237 Resp: 56217
Ion Ratio Lower Upper
237 100
235 60.7 42.4 82.4
272 12.4 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 130.147 ng
RT: 16.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:330 Resp: 1841519
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 38.3 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 3.273 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

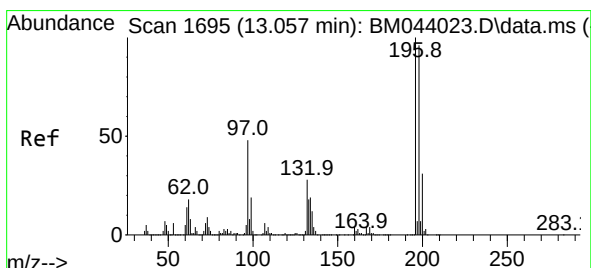
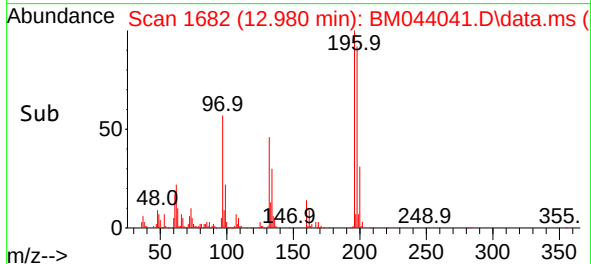
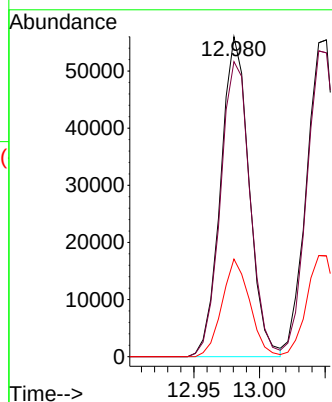
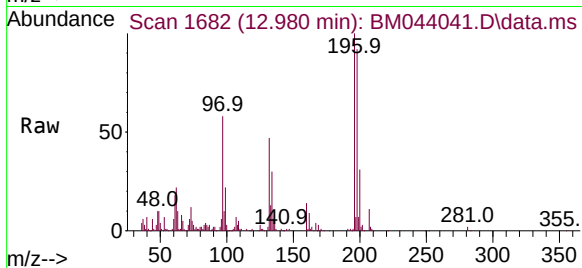
Tgt Ion:196 Resp: 84609

Ion Ratio Lower Upper

196 100

198 92.2 76.8 115.2

200 30.5 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 3.293 ng

RT: 13.051 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Tgt Ion:196 Resp: 93408

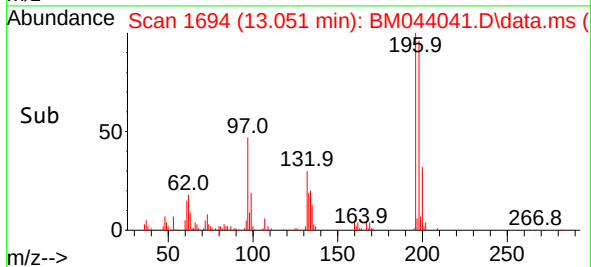
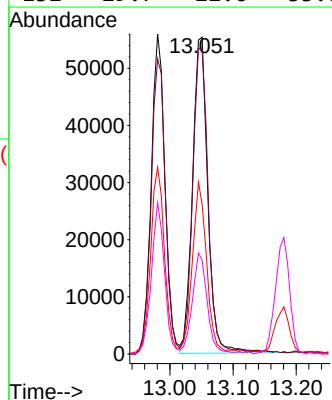
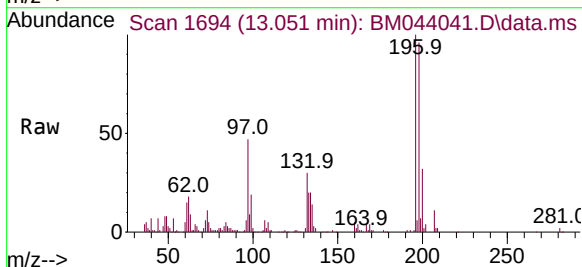
Ion Ratio Lower Upper

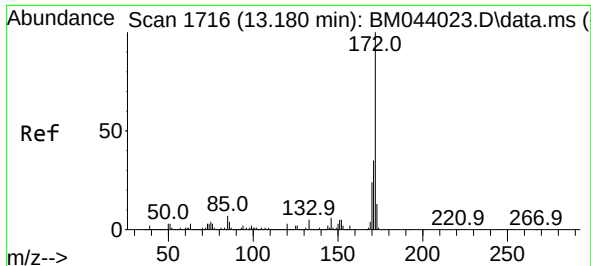
196 100

198 95.9 76.9 115.3

97 47.2 39.0 58.4

132 29.7 22.6 33.8

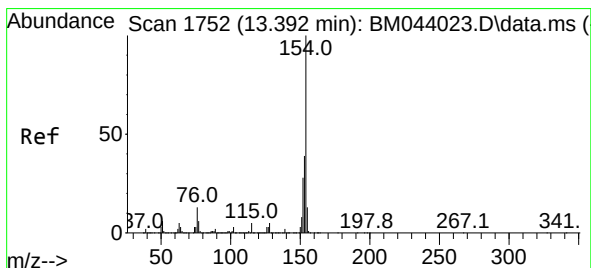
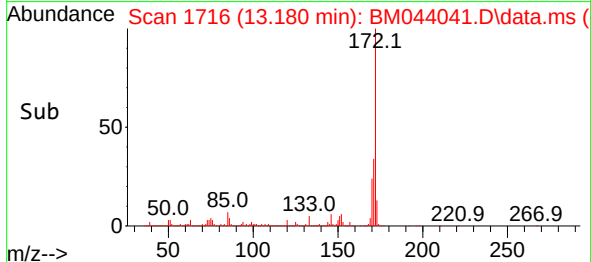
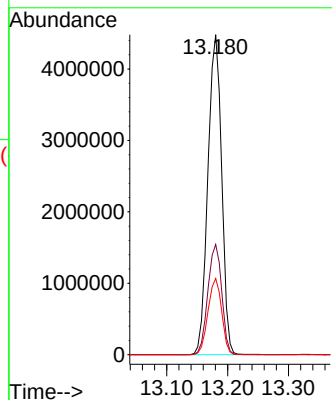
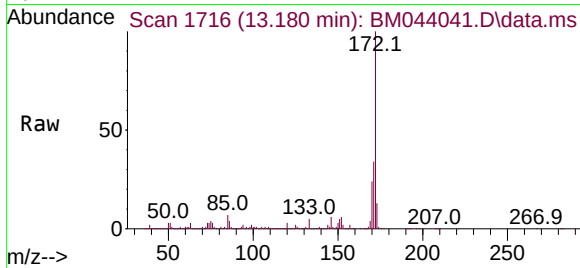




#45
2-Fluorobiphenyl
Concen: 75.911 ng
RT: 13.180 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

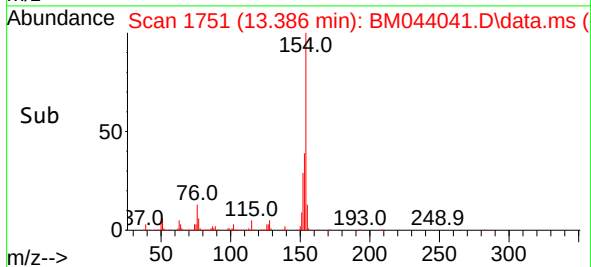
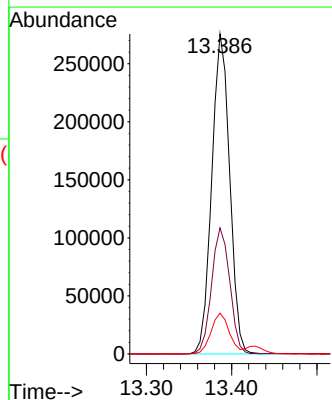
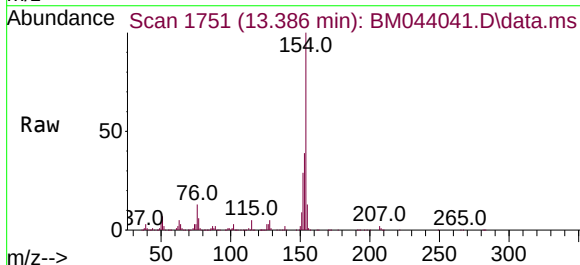
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

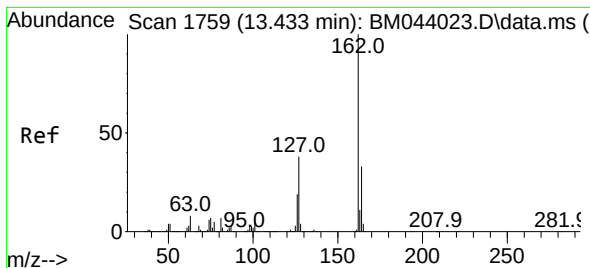
Tgt Ion:172 Resp: 7029153
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 23.8 19.0 28.4



#46
1,1'-Biphenyl
Concen: 3.907 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:154 Resp: 402899
Ion Ratio Lower Upper
154 100
153 39.4 19.4 59.4
76 12.7 0.0 32.9





#47

2-Chloronaphthalene

Concen: 3.724 ng

RT: 13.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

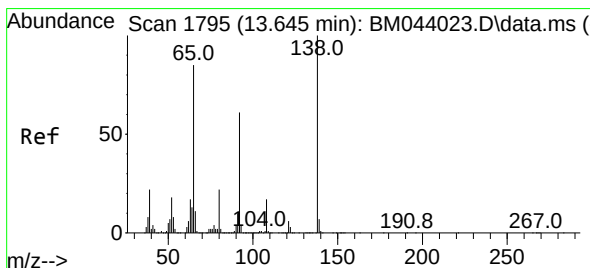
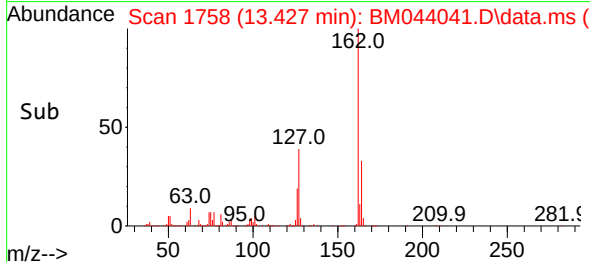
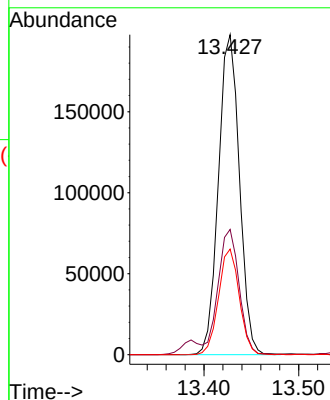
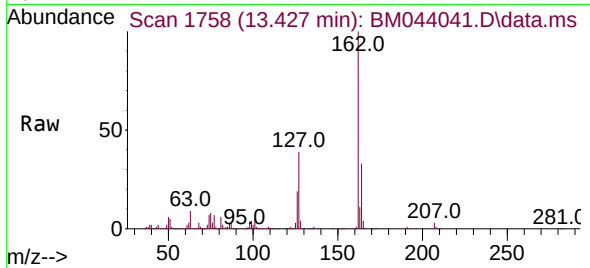
Tgt Ion:162 Resp: 304182

Ion Ratio Lower Upper

162 100

127 39.2 30.9 46.3

164 33.0 26.4 39.6



#48

2-Nitroaniline

Concen: 3.326 ng

RT: 13.639 min Scan# 1794

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

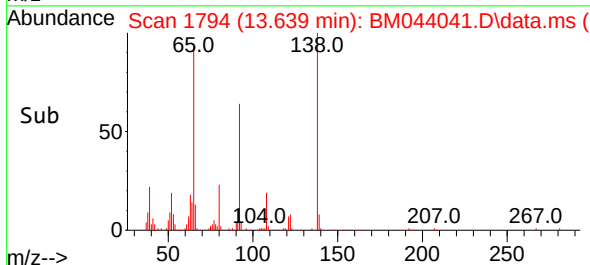
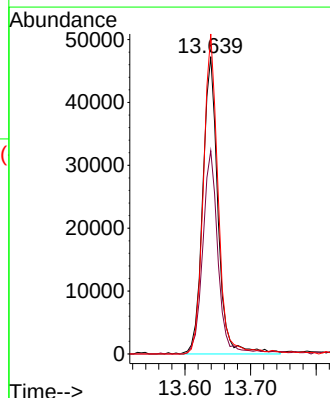
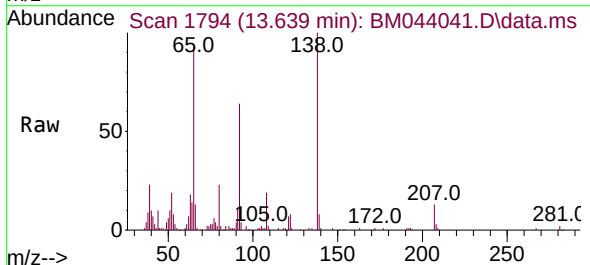
Tgt Ion: 65 Resp: 76433

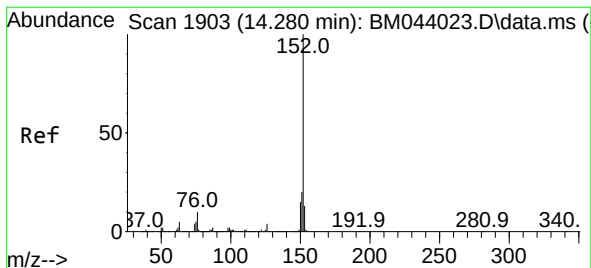
Ion Ratio Lower Upper

65 100

92 68.4 58.1 87.1

138 107.6 94.6 142.0





#49

Acenaphthylene

Concen: 4.019 ng

RT: 14.274 min Scan# 1902

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

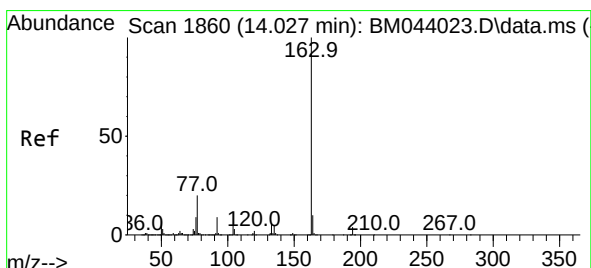
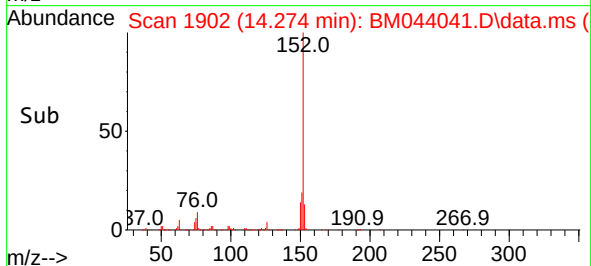
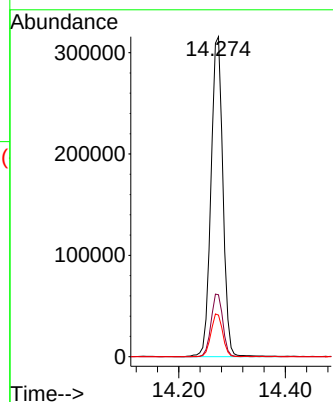
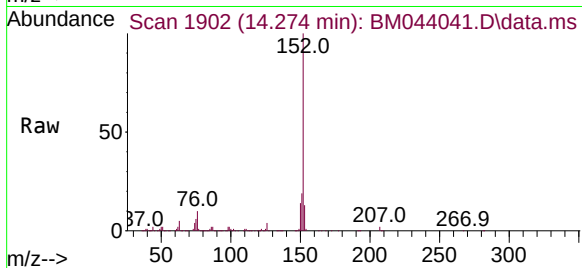
Tgt Ion:152 Resp: 489796

Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.6

153 13.0 10.5 15.7



#50

Dimethylphthalate

Concen: 3.897 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.012 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

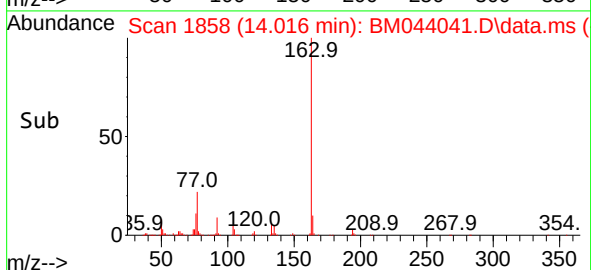
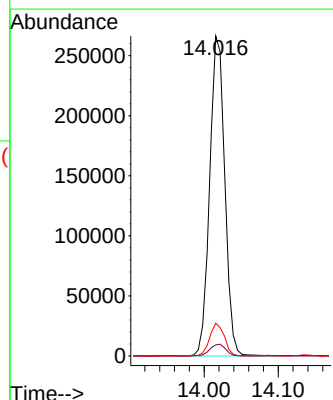
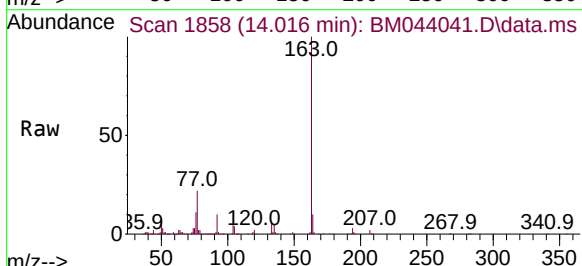
Tgt Ion:163 Resp: 377582

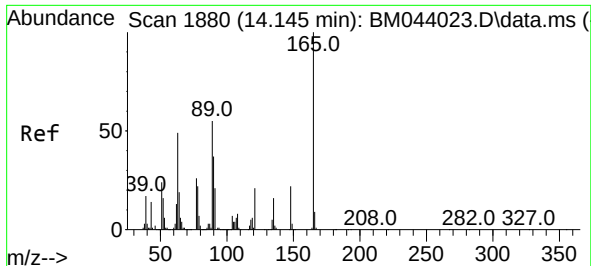
Ion Ratio Lower Upper

163 100

194 3.4 3.1 4.7

164 10.2 8.2 12.2

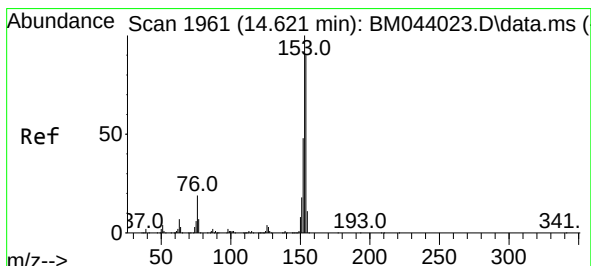
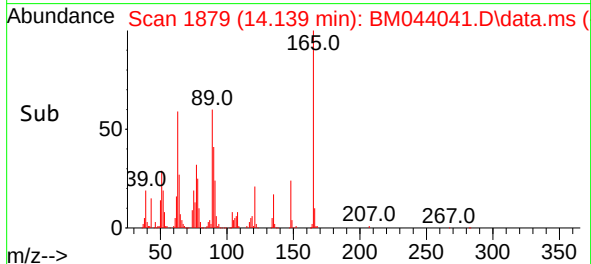
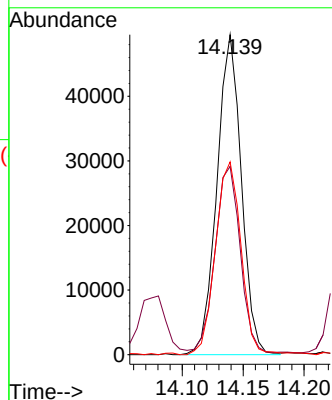
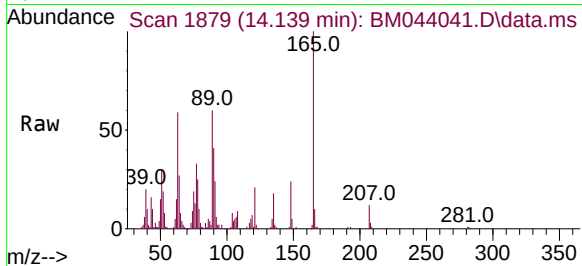




#51
2,6-Dinitrotoluene
Concen: 3.233 ng
RT: 14.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

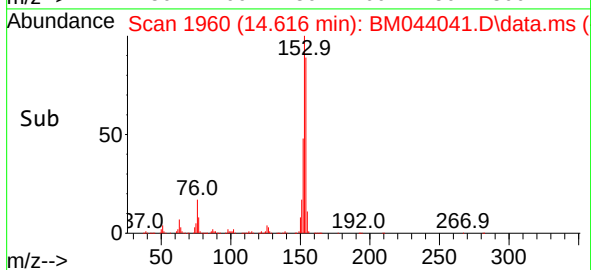
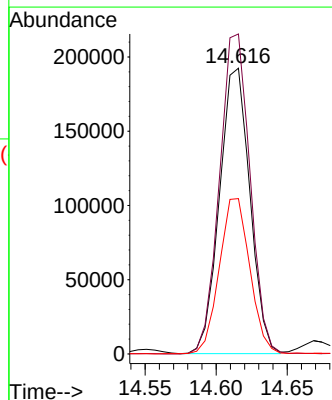
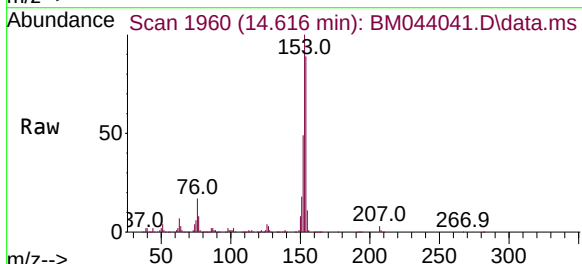
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

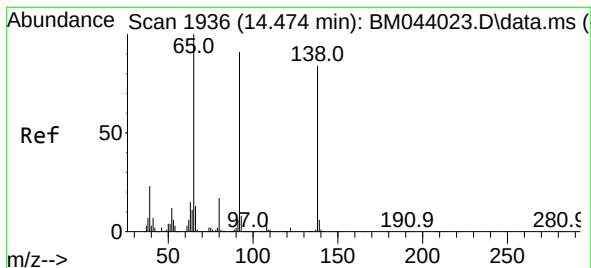
Tgt Ion:165 Resp: 69111
Ion Ratio Lower Upper
165 100
63 58.9 43.5 65.3
89 60.2 44.4 66.6



#52
Acenaphthene
Concen: 3.796 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:154 Resp: 286277
Ion Ratio Lower Upper
154 100
153 112.0 89.3 133.9
152 54.3 43.0 64.6





#53

3-Nitroaniline

Concen: 3.156 ng

RT: 14.469 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

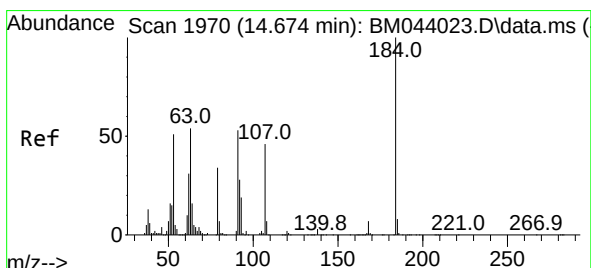
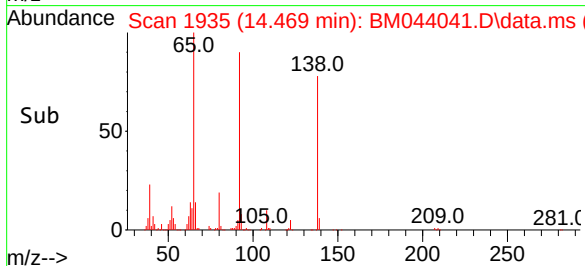
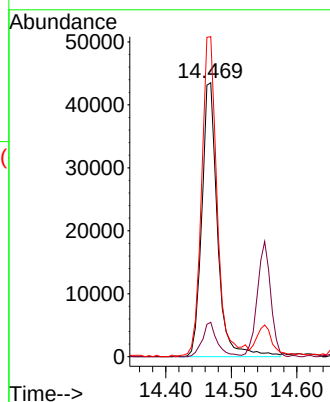
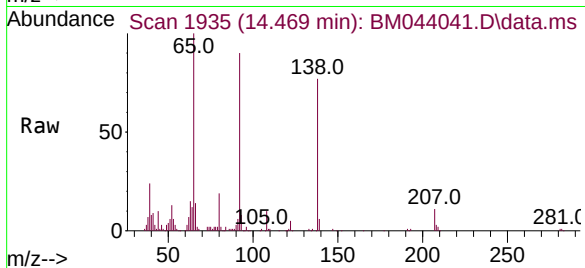
Tgt Ion:138 Resp: 72498

Ion Ratio Lower Upper

138 100

108 12.6 7.6 11.4#

92 116.8 86.5 129.7



#54

2,4-Dinitrophenol

Concen: 7.158 ng

RT: 14.669 min Scan# 1969

Delta R.T. -0.005 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

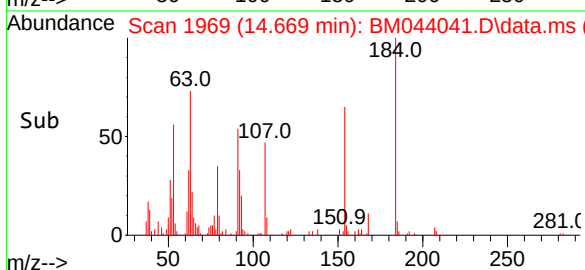
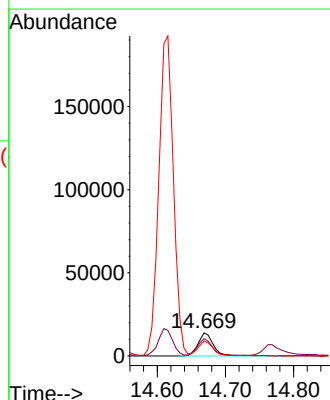
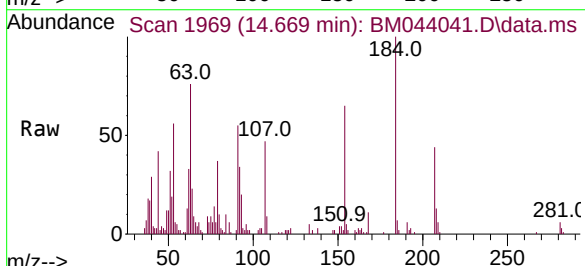
Tgt Ion:184 Resp: 21665

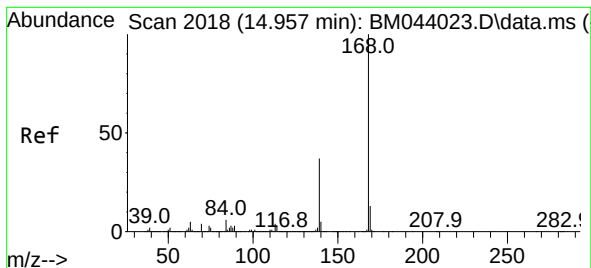
Ion Ratio Lower Upper

184 100

63 75.5 55.4 83.2

154 65.0 49.2 73.8





#55

Dibenzofuran

Concen: 4.001 ng

RT: 14.951 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

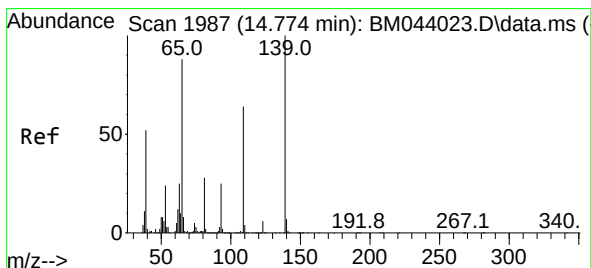
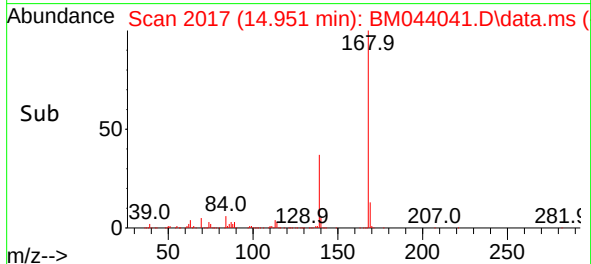
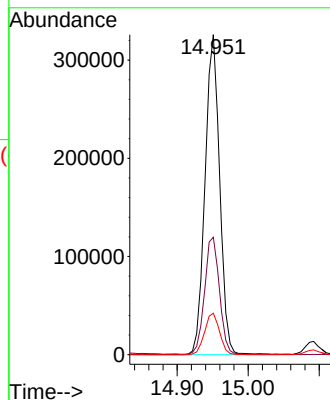
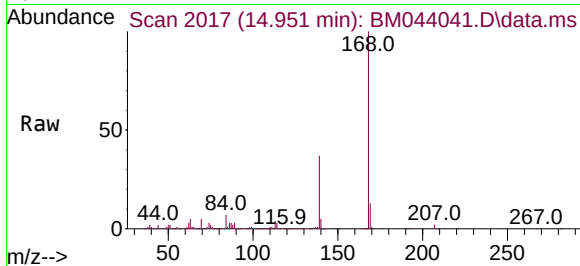
Tgt Ion:168 Resp: 467075

Ion Ratio Lower Upper

168 100

139 36.7 29.6 44.4

169 12.9 10.5 15.7



#56

4-Nitrophenol

Concen: 2.552 ng

RT: 14.769 min Scan# 1986

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

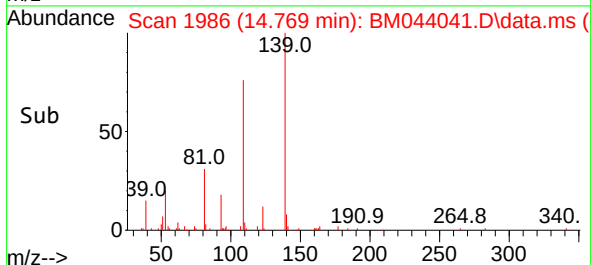
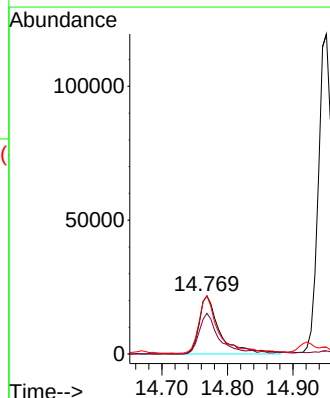
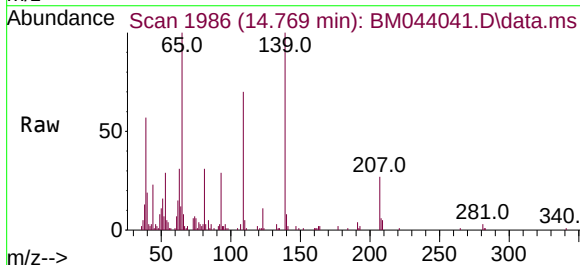
Tgt Ion:139 Resp: 47666

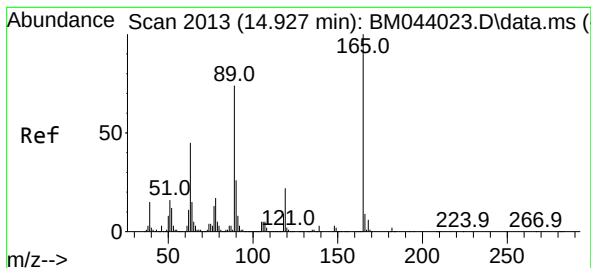
Ion Ratio Lower Upper

139 100

109 69.9 43.8 83.8

65 99.9 67.7 107.7

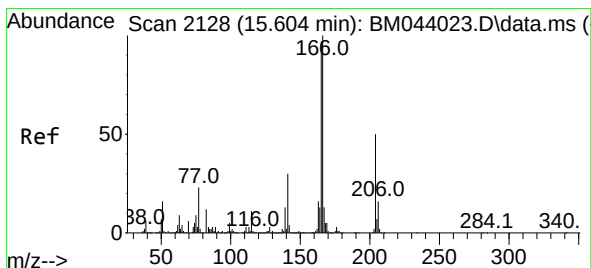
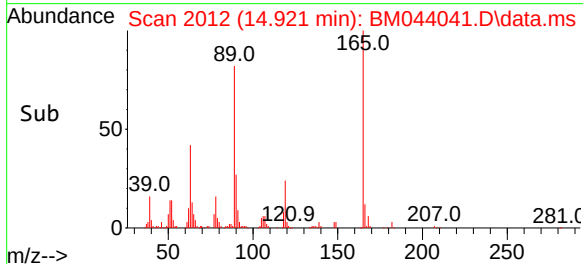
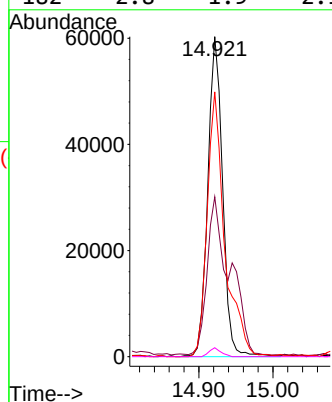
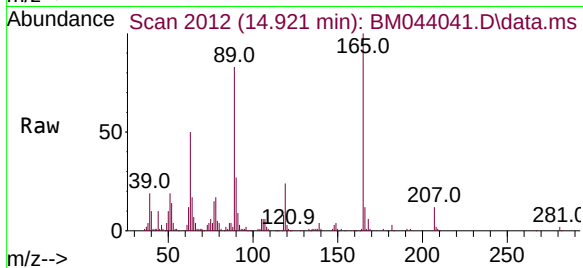




#57
2,4-Dinitrotoluene
Concen: 2.999 ng
RT: 14.921 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

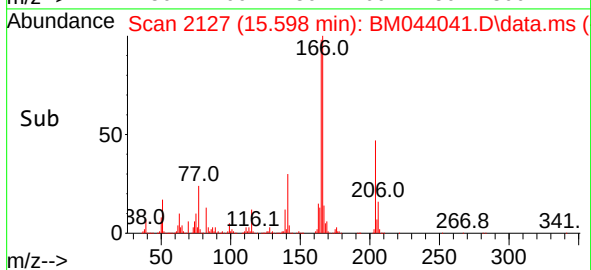
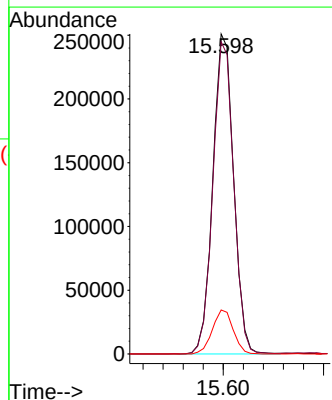
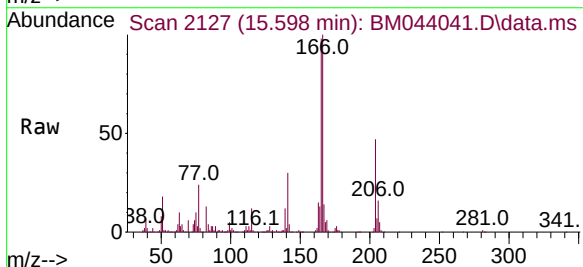
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

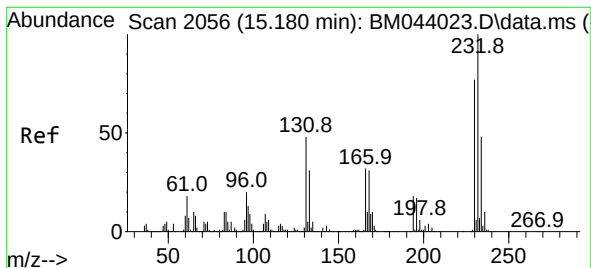
Tgt Ion:	165	Resp:	83801
Ion Ratio	Lower	Upper	
165	100		
63	50.0	35.9	53.9
89	82.8	58.9	88.3
182	2.8	1.9	2.9



#58
Fluorene
Concen: 4.005 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:	166	Resp:	361300
Ion Ratio	Lower	Upper	
166	100		
165	97.6	77.7	116.5
167	13.7	10.7	16.1

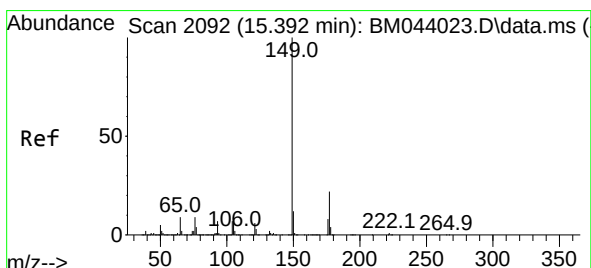
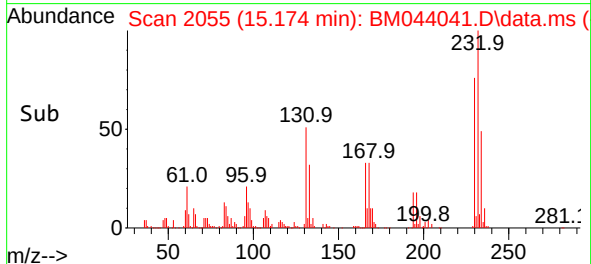
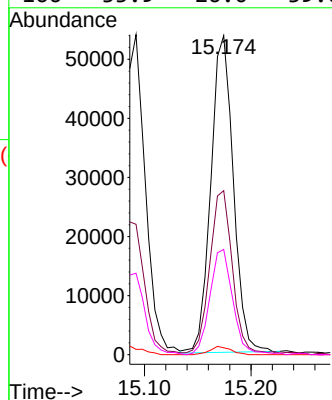
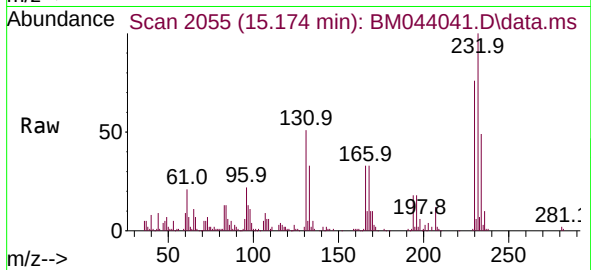




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.530 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

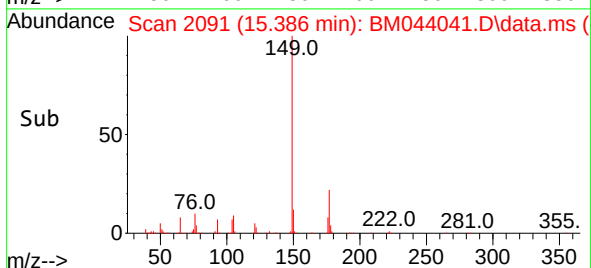
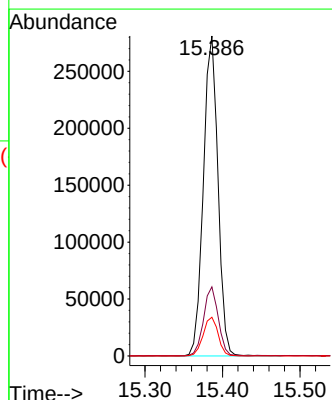
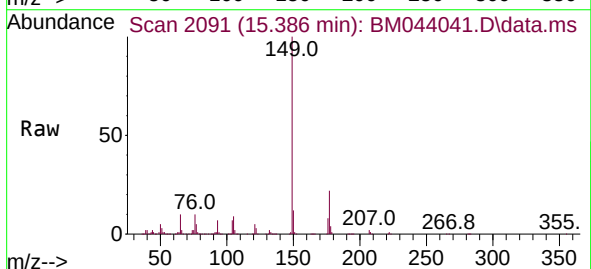
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

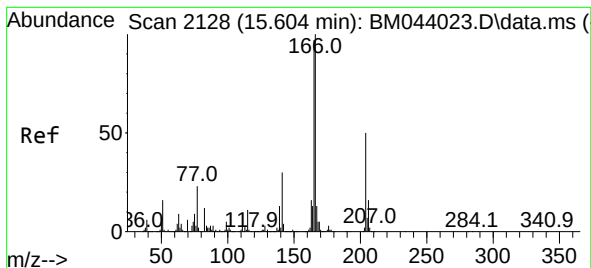
Tgt Ion:232 Resp: 78582
Ion Ratio Lower Upper
232 100
131 53.5 39.5 59.3
130 2.4 2.0 3.0
166 33.9 26.0 39.0



#60
Diethylphthalate
Concen: 3.666 ng
RT: 15.386 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:149 Resp: 367065
Ion Ratio Lower Upper
149 100
177 21.6 17.5 26.3
150 12.1 9.8 14.6

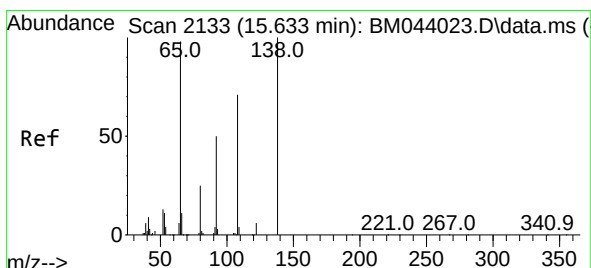
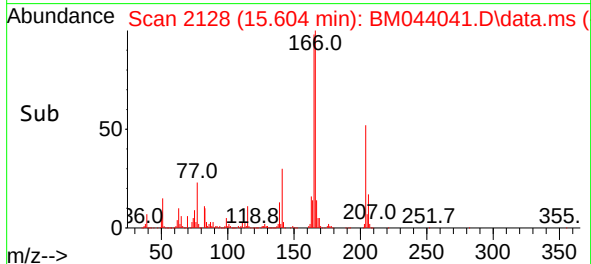
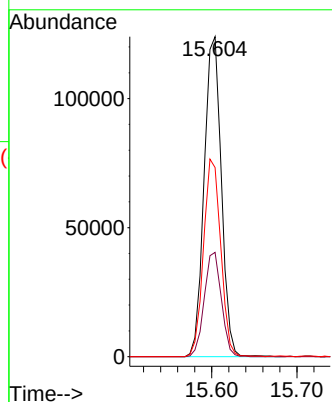
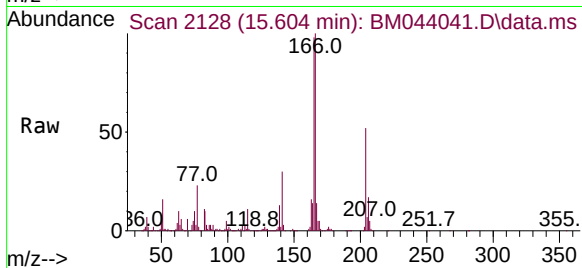




#61
4-Chlorophenyl-phenylether
Concen: 3.976 ng
RT: 15.604 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

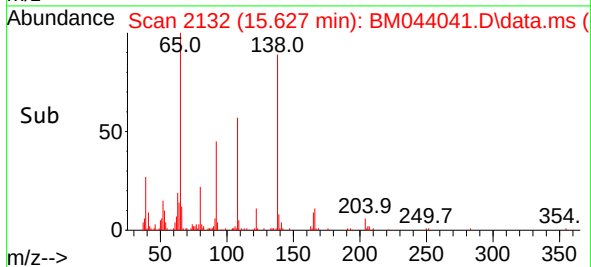
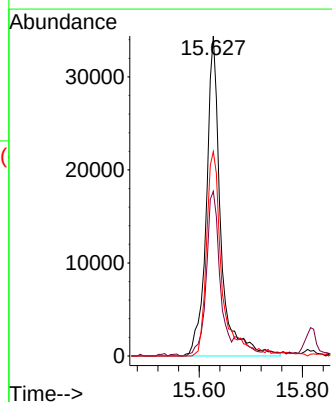
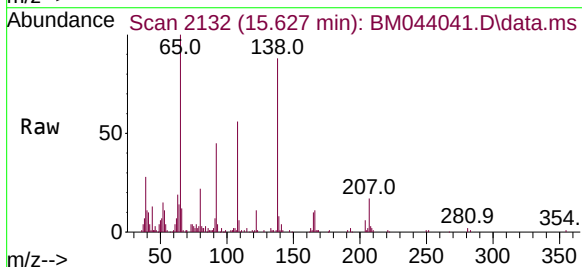
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

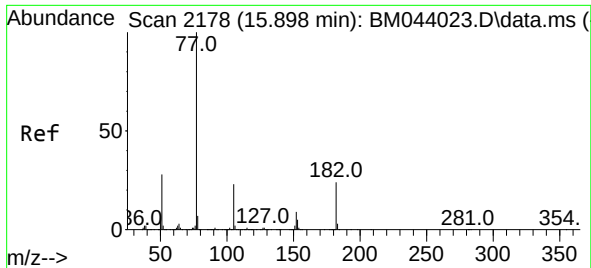
Tgt Ion:204 Resp: 173799
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 59.1 47.7 71.5



#62
4-Nitroaniline
Concen: 2.870 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:138 Resp: 66370
Ion Ratio Lower Upper
138 100
92 51.4 29.6 69.6
108 63.9 47.8 87.8

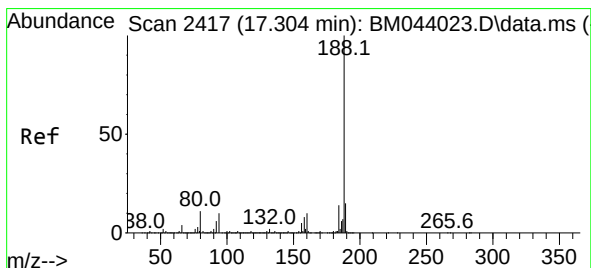
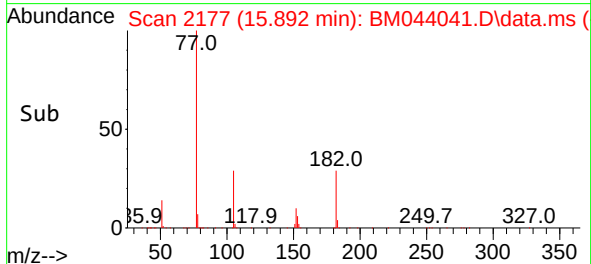
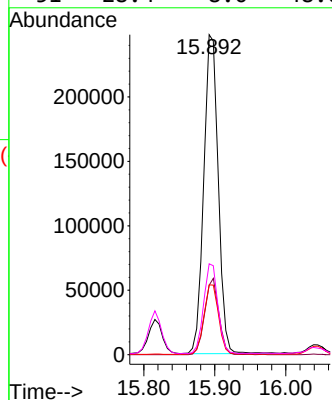
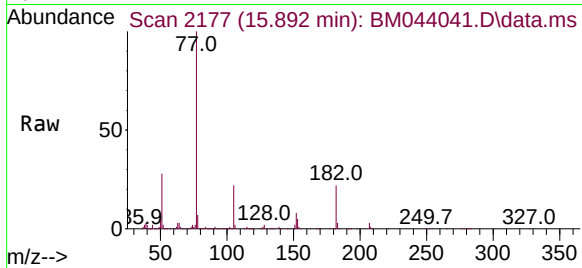




#63
Azobenzene
Concen: 3.750 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

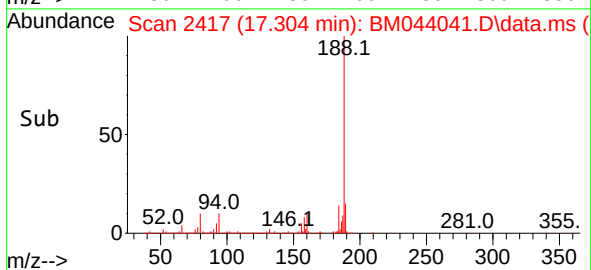
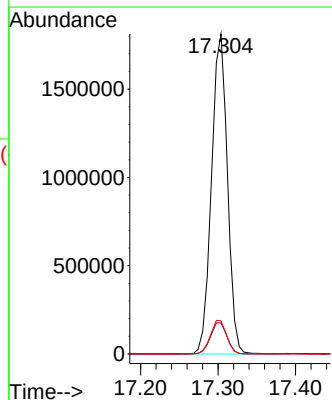
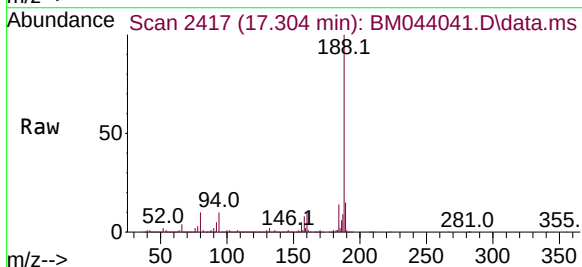
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

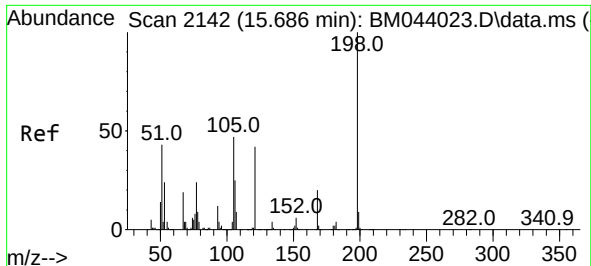
Tgt Ion:	77	Resp:	352340
Ion	Ratio	Lower	Upper
77	100		
182	21.7	4.0	44.0
105	21.8	3.3	43.3
51	28.4	8.0	48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:	188	Resp:	2582351
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	10.3	8.8	13.2

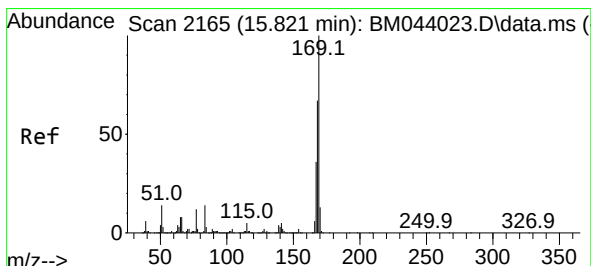
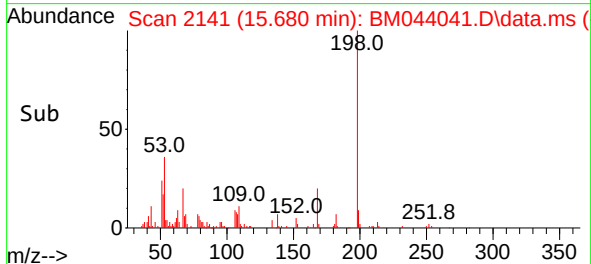
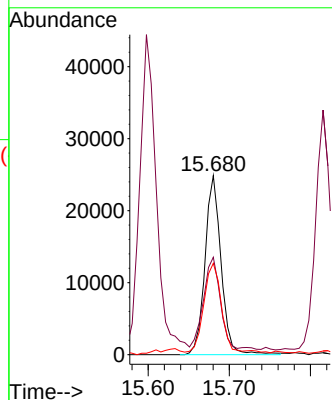
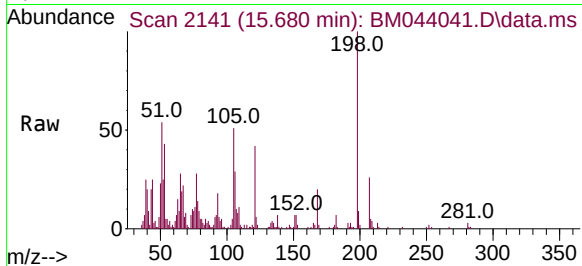




#65
4,6-Dinitro-2-methylphenol
Concen: 2.222 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

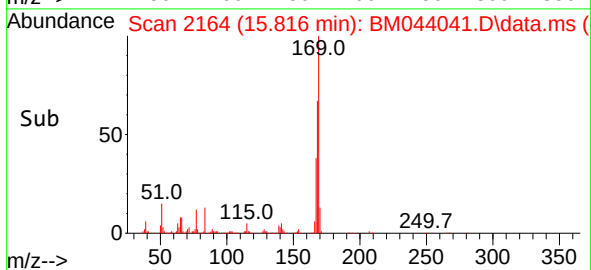
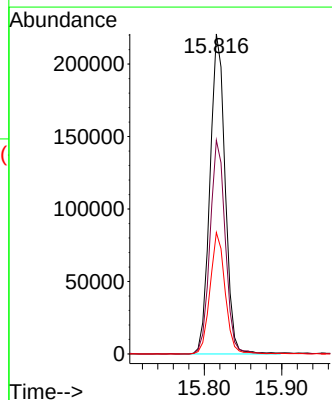
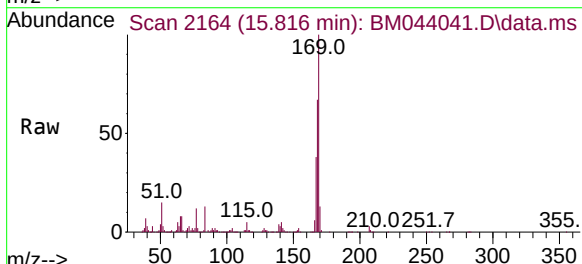
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

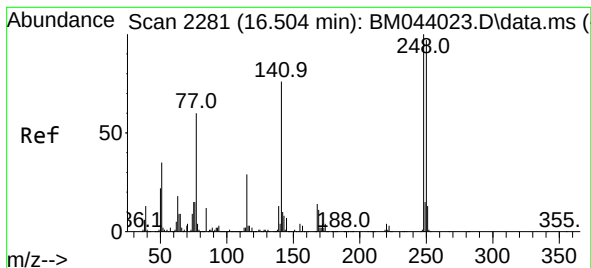
Tgt Ion:198 Resp: 34198
Ion Ratio Lower Upper
198 100
51 54.4 29.9 69.9
105 51.0 28.7 68.7



#66
n-Nitrosodiphenylamine
Concen: 3.824 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:169 Resp: 300029
Ion Ratio Lower Upper
169 100
168 66.8 53.8 80.8
167 38.0 29.2 43.8

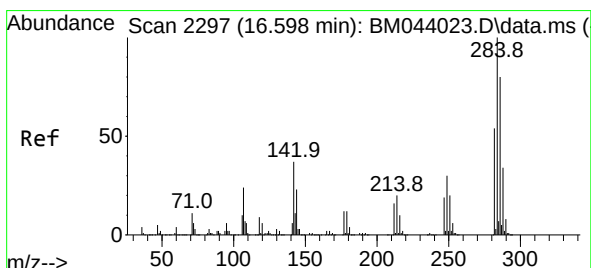
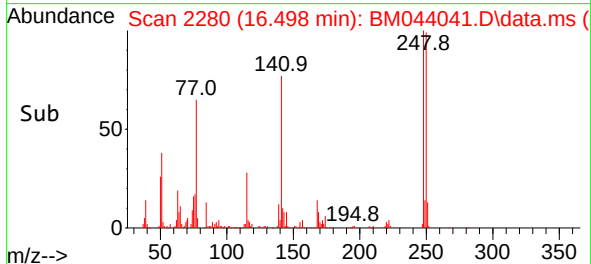
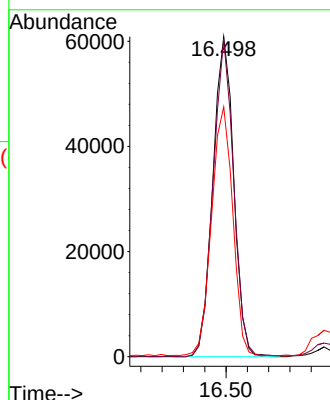
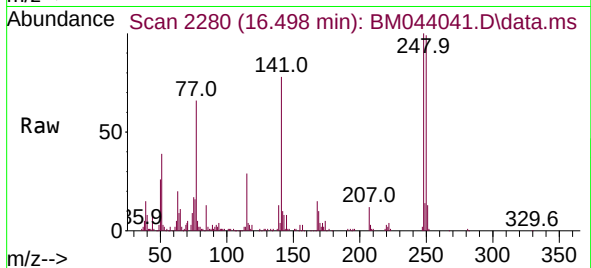




#67
4-Bromophenyl-phenylether
Concen: 3.230 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

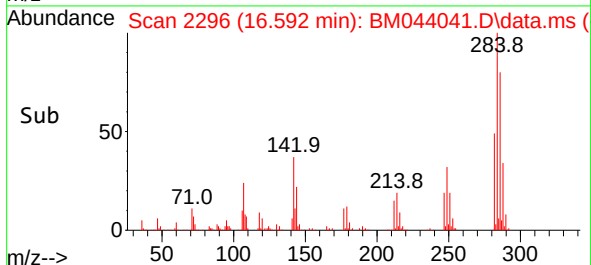
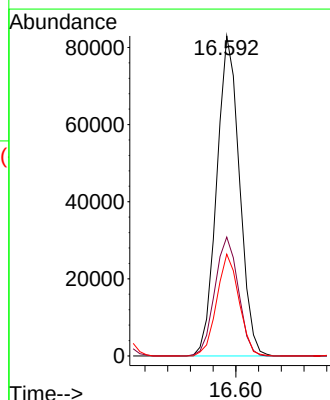
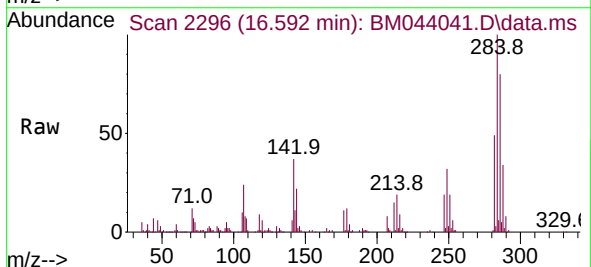
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

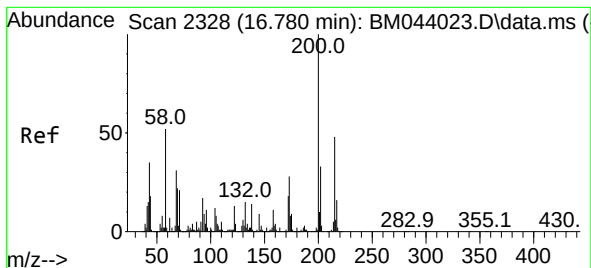
Tgt Ion:248	Resp:	82465
Ion Ratio	Lower	Upper
248	100	
250	99.3	116.2
141	78.0	91.6



#68
Hexachlorobenzene
Concen: 3.690 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:284	Resp:	115413
Ion Ratio	Lower	Upper
284	100	
142	37.1	45.0
249	31.8	36.1





#69

Atrazine

Concen: 4.418 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

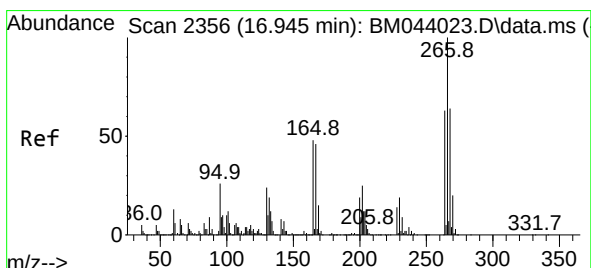
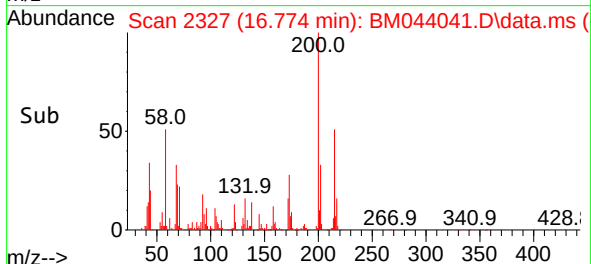
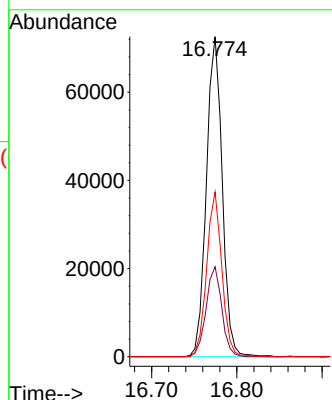
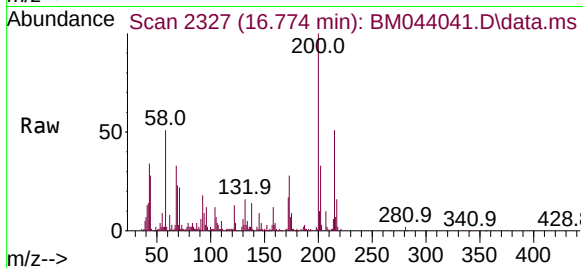
Tgt Ion:200 Resp: 93853

Ion Ratio Lower Upper

200 100

173 28.1 7.9 47.9

215 51.5 27.9 67.9



#70

Pentachlorophenol

Concen: 2.550 ng

RT: 16.945 min Scan# 2356

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

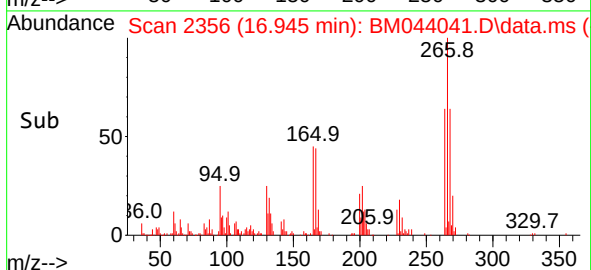
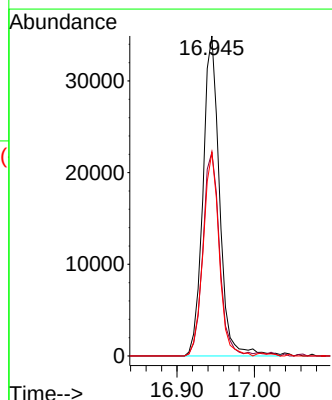
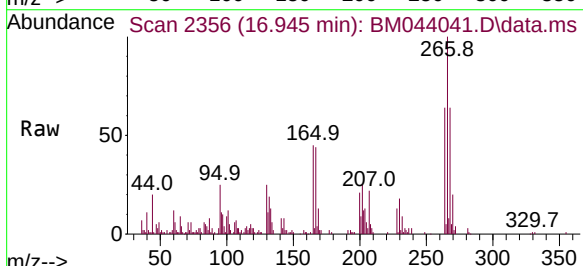
Tgt Ion:266 Resp: 51890

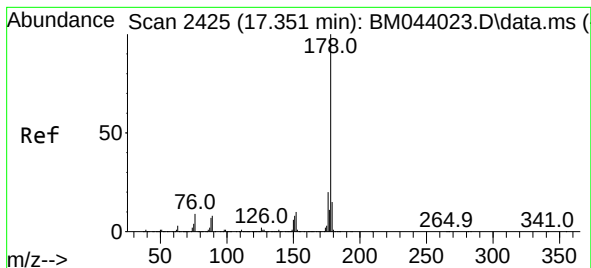
Ion Ratio Lower Upper

266 100

268 63.6 51.1 76.7

264 63.6 50.5 75.7





#71

Phenanthrene

Concen: 4.041 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

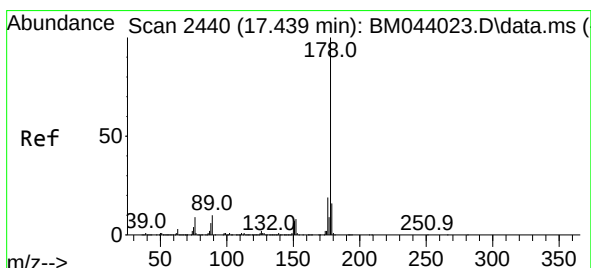
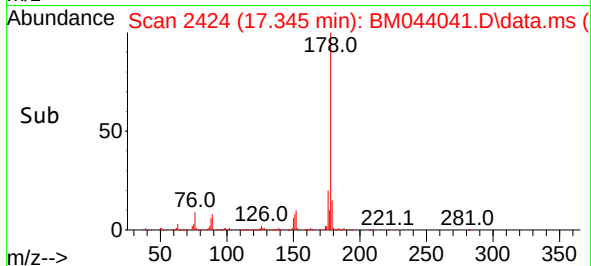
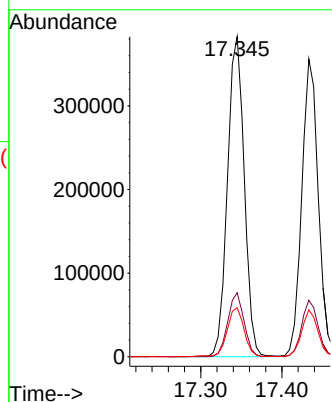
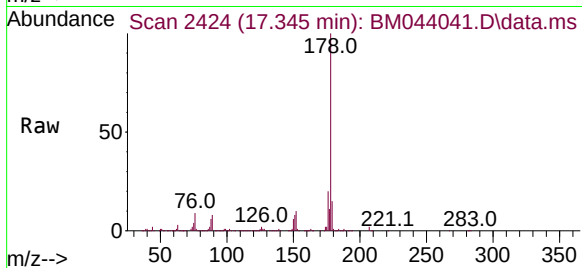
Tgt Ion:178 Resp: 551065

Ion Ratio Lower Upper

178 100

176 20.0 15.6 23.4

179 15.3 12.2 18.4



#72

Anthracene

Concen: 3.768 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

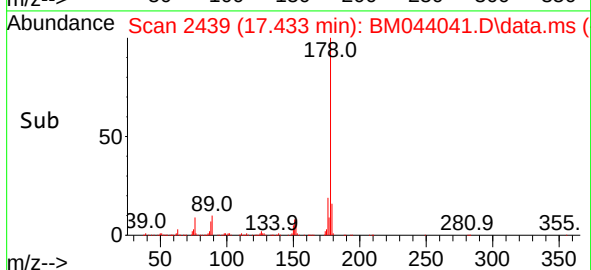
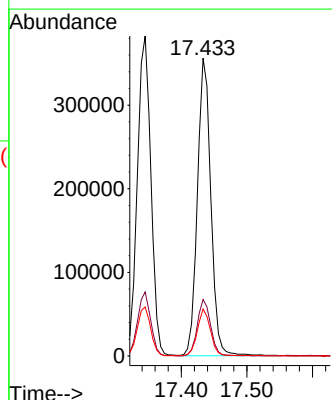
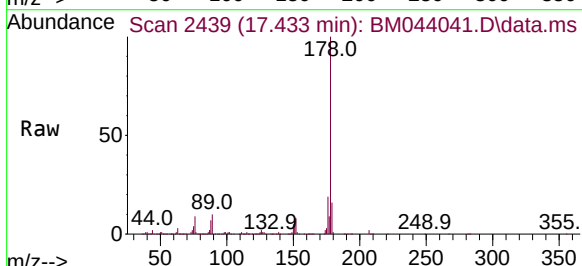
Tgt Ion:178 Resp: 508751

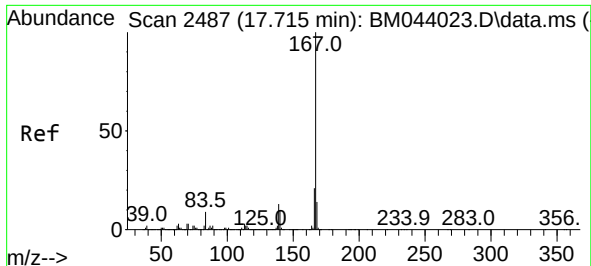
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.7 12.4 18.6

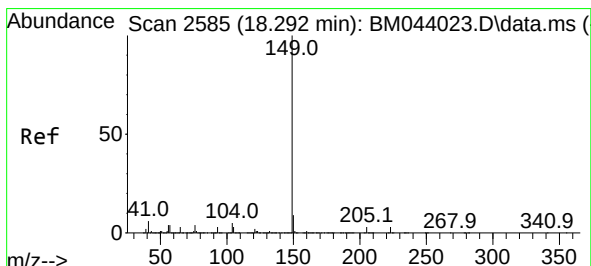
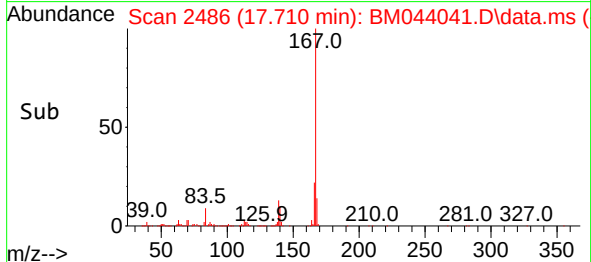
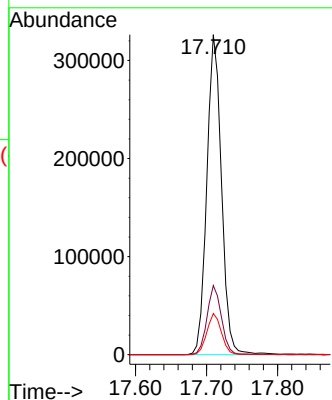
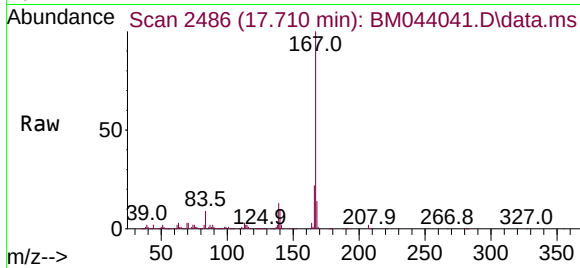




#73
Carbazole
Concen: 3.572 ng
RT: 17.710 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

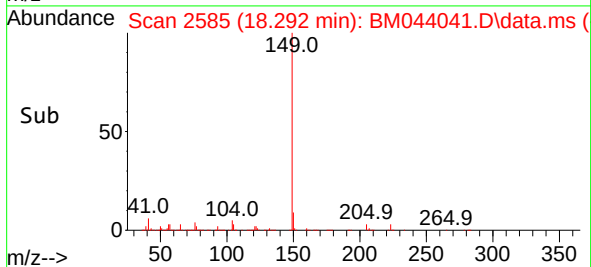
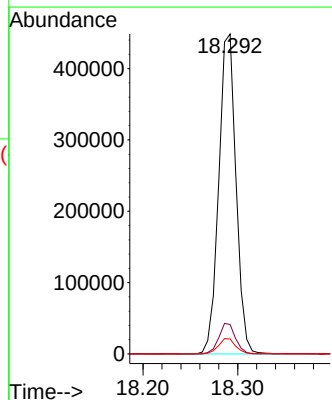
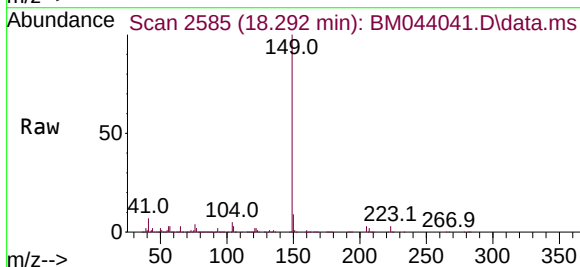
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

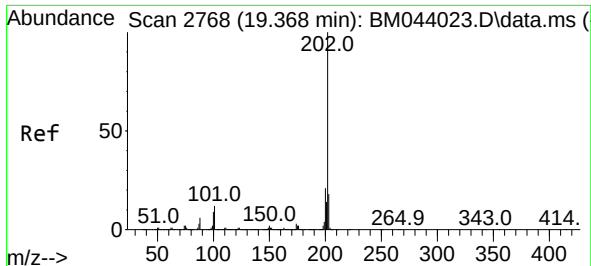
Tgt Ion:167 Resp: 468911
Ion Ratio Lower Upper
167 100
166 21.6 16.8 25.2
139 12.8 10.4 15.6



#74
Di-n-butylphthalate
Concen: 3.334 ng
RT: 18.292 min Scan# 2585
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:149 Resp: 568979
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.7 3.8 5.6

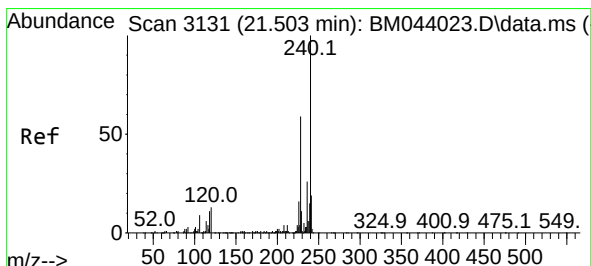
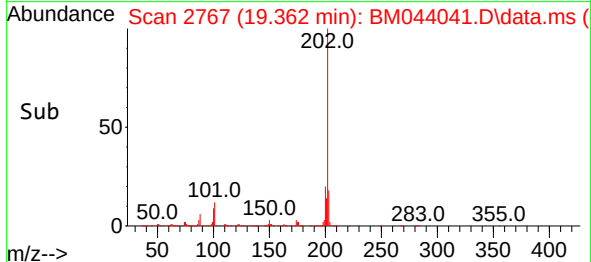
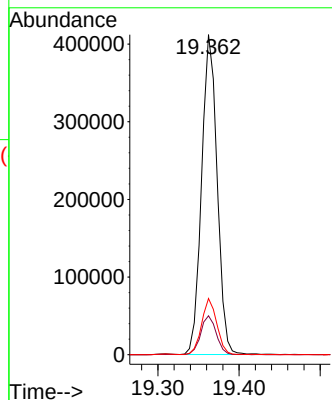
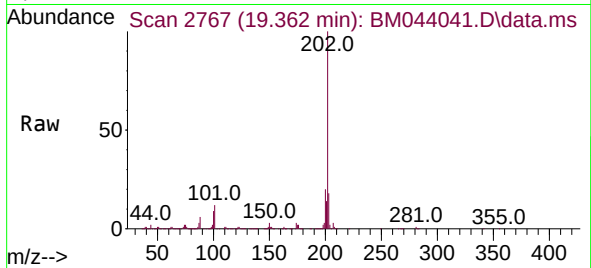




#75
Fluoranthene
Concen: 3.578 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

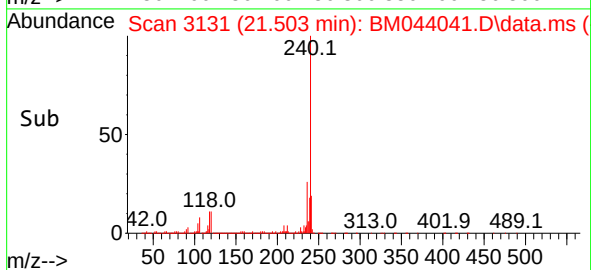
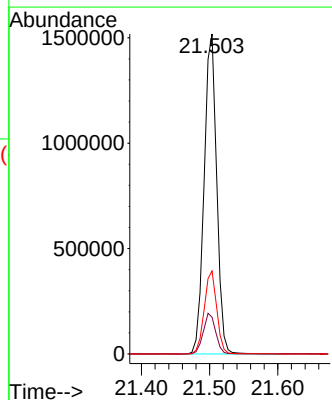
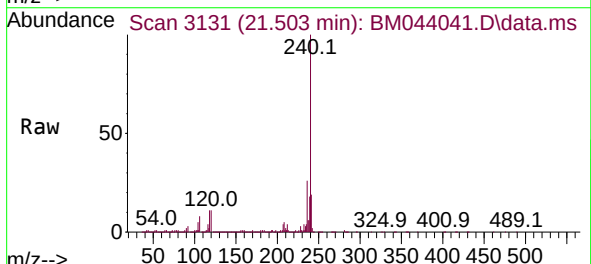
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

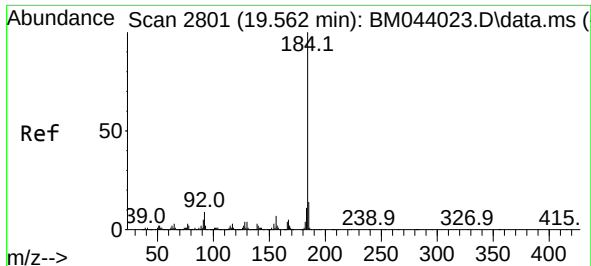
Tgt Ion:202 Resp: 548010
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.4
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:240 Resp: 1945178
Ion Ratio Lower Upper
240 100
120 11.5 10.1 15.1
236 26.0 20.6 31.0

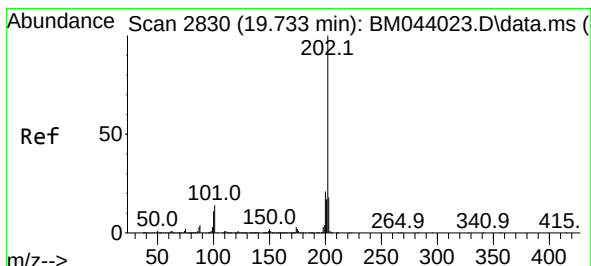
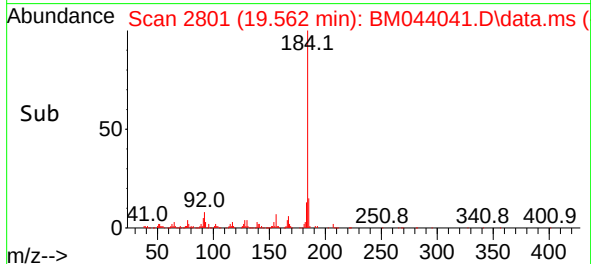
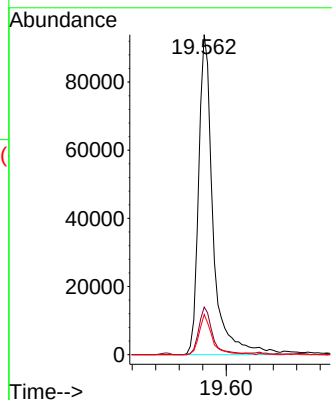
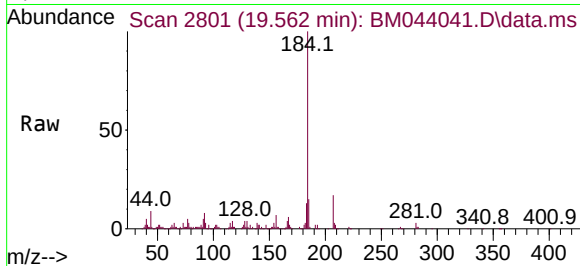




#77
Benzidine
Concen: 5.301 ng
RT: 19.562 min Scan# 2801
Delta R.T. 0.000 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

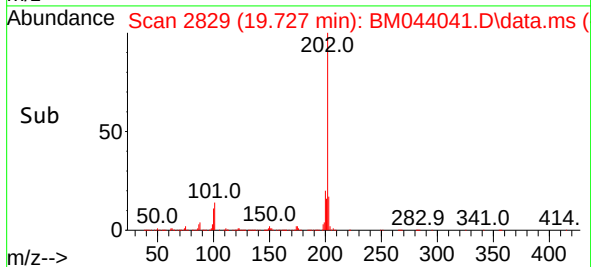
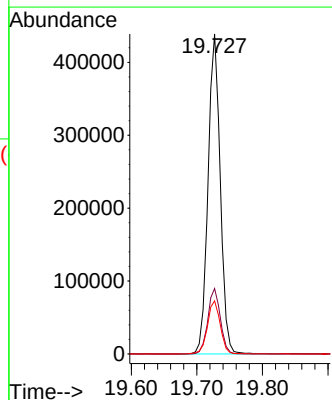
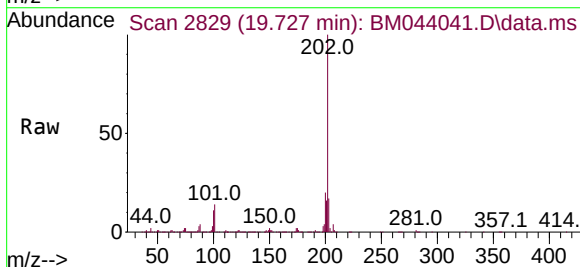
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

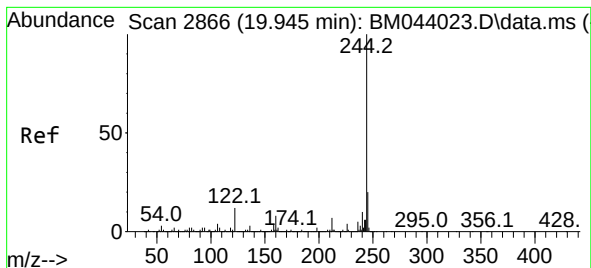
Tgt Ion:184 Resp: 160246
Ion Ratio Lower Upper
184 100
185 14.9 11.0 16.6
183 12.6 9.0 13.4



#78
Pyrene
Concen: 3.803 ng
RT: 19.727 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:202 Resp: 569721
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 16.6 14.0 21.0





#79

Terphenyl-d14

Concen: 78.672 ng

RT: 19.945 min Scan# 2866

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

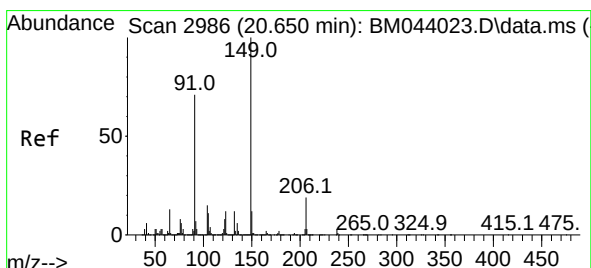
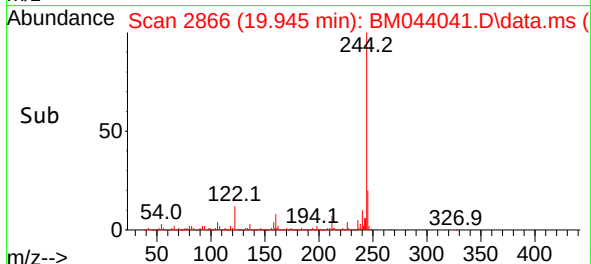
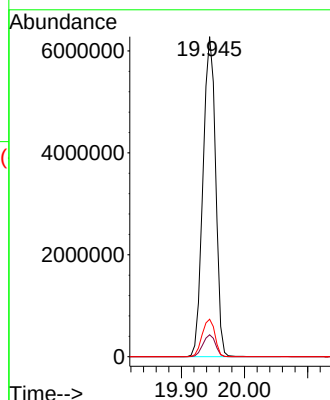
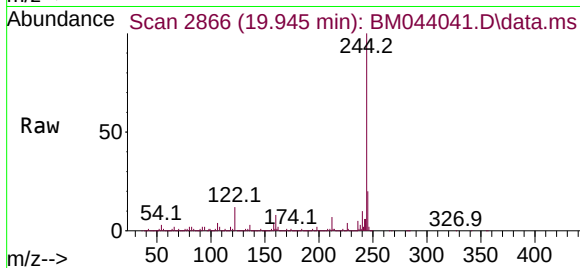
Tgt Ion:244 Resp: 8729549

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 11.7 9.5 14.3



#80

Butylbenzylphthalate

Concen: 3.014 ng

RT: 20.651 min Scan# 2986

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

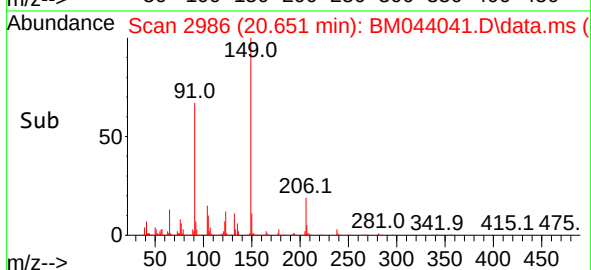
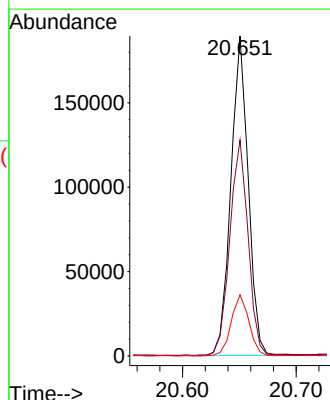
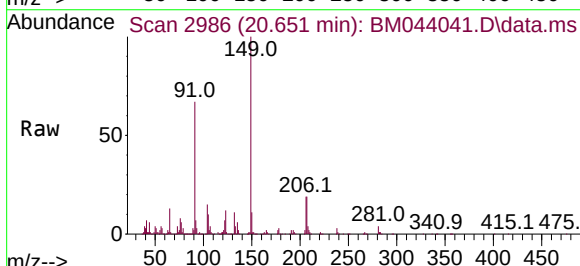
Tgt Ion:149 Resp: 200706

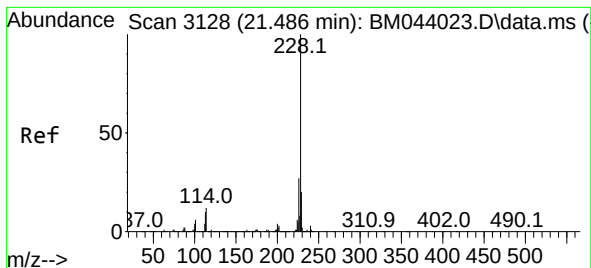
Ion Ratio Lower Upper

149 100

91 67.5 56.8 85.2

206 19.1 15.0 22.6





#81

Benzo(a)anthracene

Concen: 3.836 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

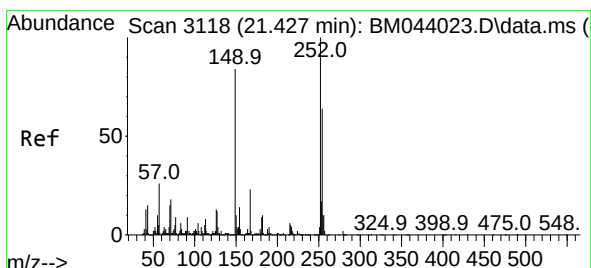
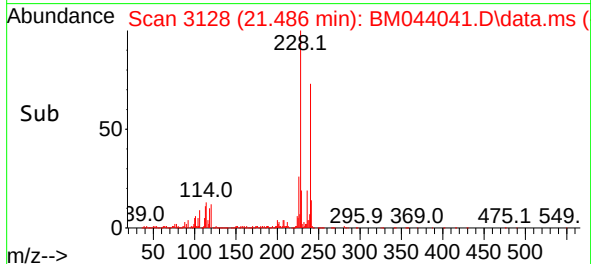
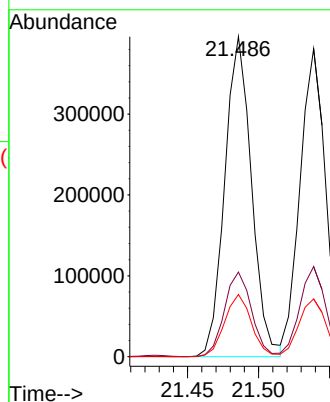
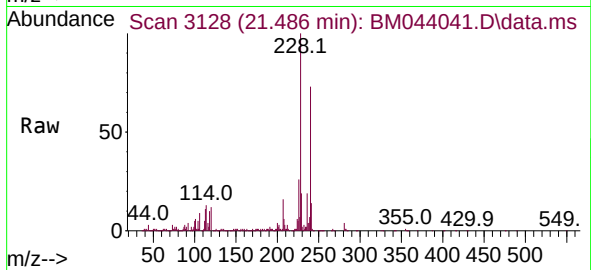
Tgt Ion:228 Resp: 519035

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

229 19.4 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 3.554 ng

RT: 21.427 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

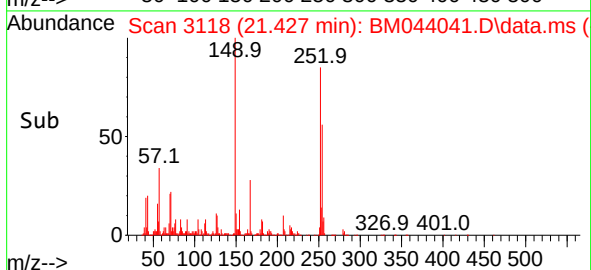
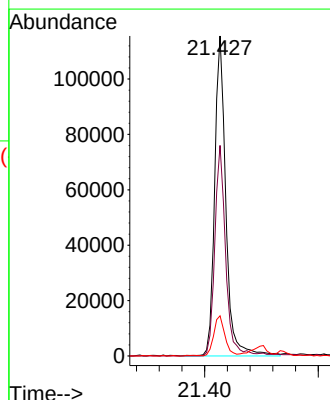
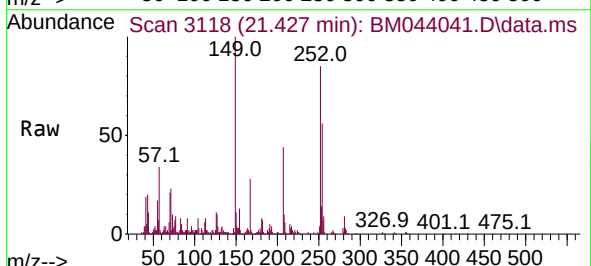
Tgt Ion:252 Resp: 157799

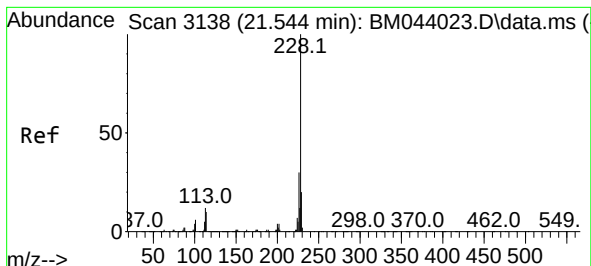
Ion Ratio Lower Upper

252 100

254 65.8 51.2 76.8

126 12.5 10.2 15.4





#83

Chrysene

Concen: 3.751 ng

RT: 21.539 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

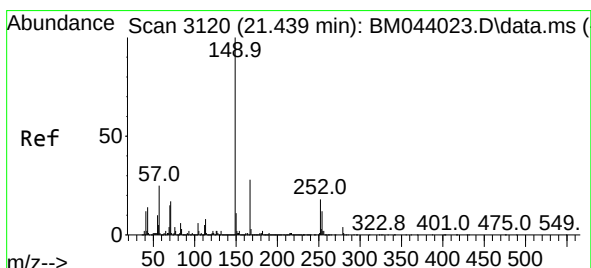
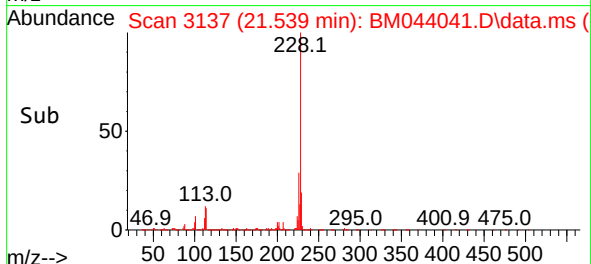
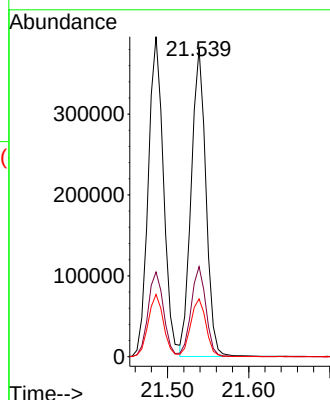
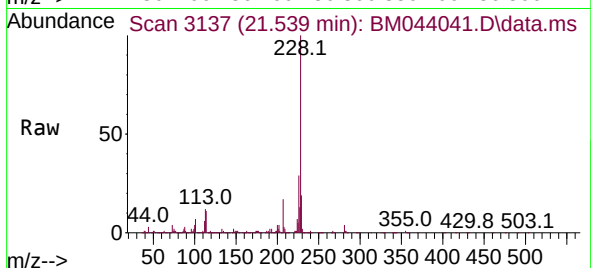
Tgt Ion:228 Resp: 479538

Ion Ratio Lower Upper

228 100

226 29.2 24.2 36.2

229 18.7 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.378 ng

RT: 21.439 min Scan# 3120

Delta R.T. 0.000 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

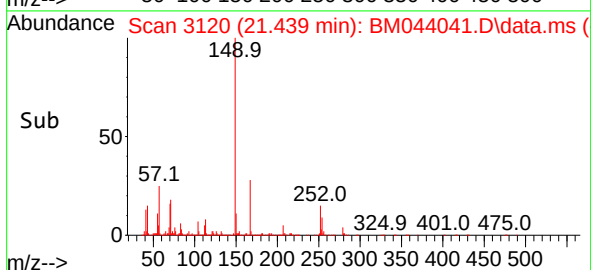
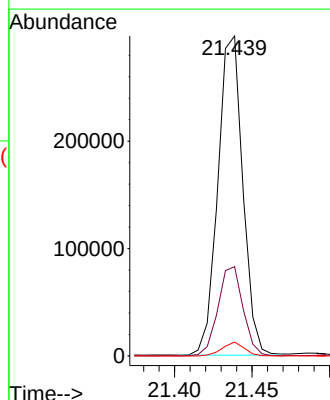
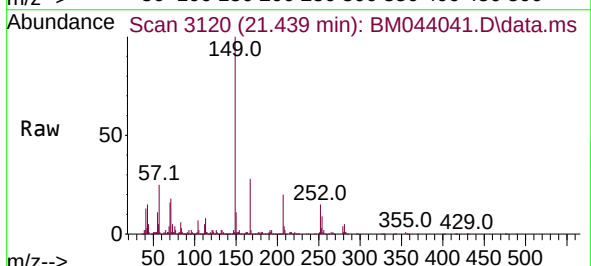
Tgt Ion:149 Resp: 331889

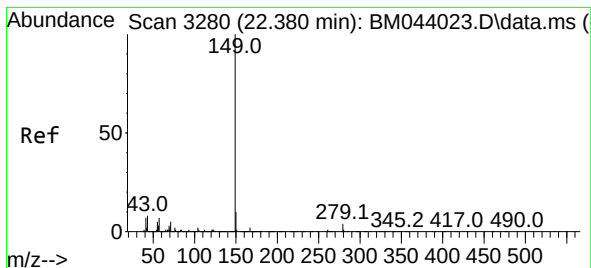
Ion Ratio Lower Upper

149 100

167 27.9 22.6 33.8

279 4.3 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 2.706 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

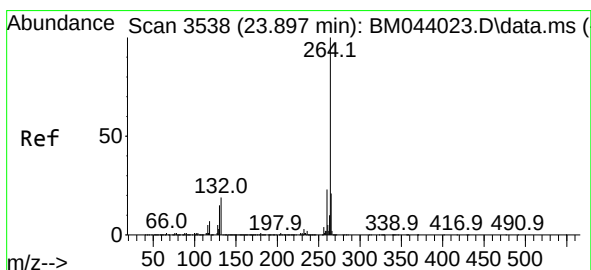
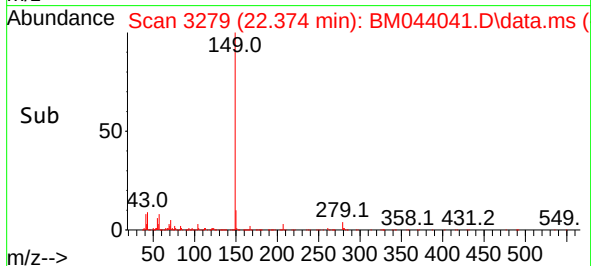
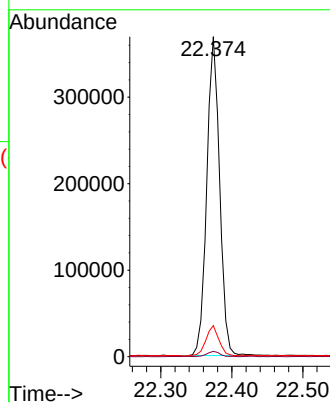
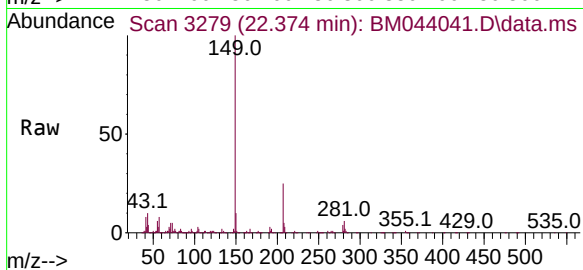
Tgt Ion:149 Resp: 464251

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

43 9.6 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: BM044041.D

Acq: 09 Feb 2024 16:06

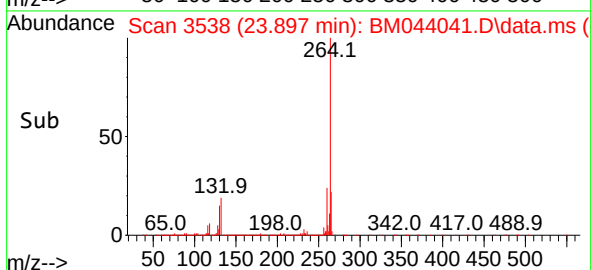
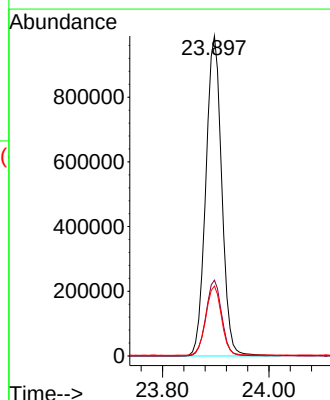
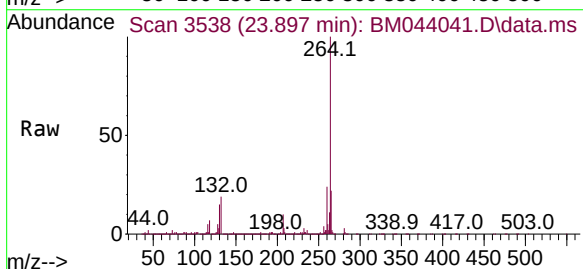
Tgt Ion:264 Resp: 2046758

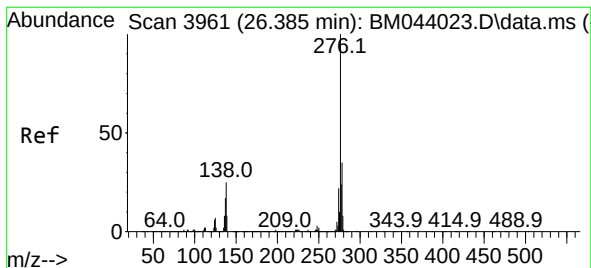
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.510 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

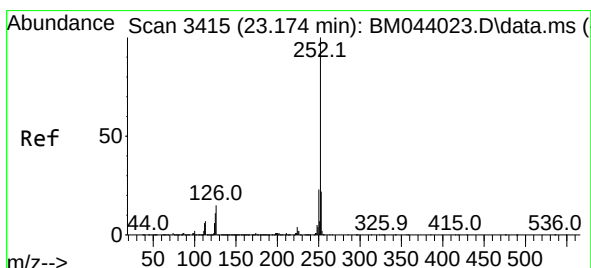
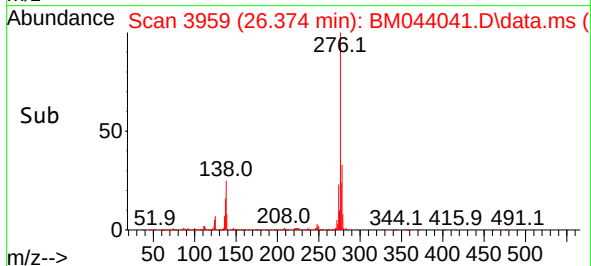
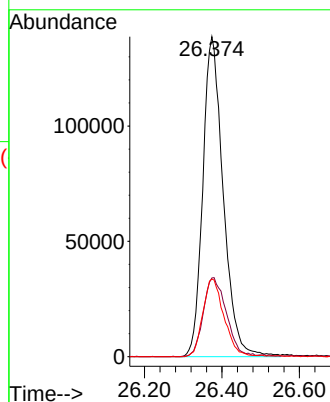
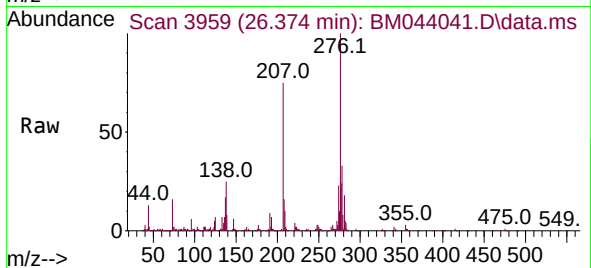
Tgt Ion:276 Resp: 508439

Ion Ratio Lower Upper

276 100

138 27.9 22.6 34.0

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.700 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

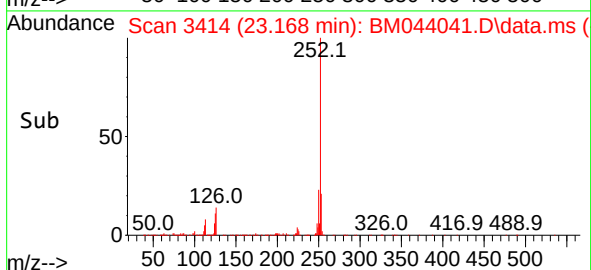
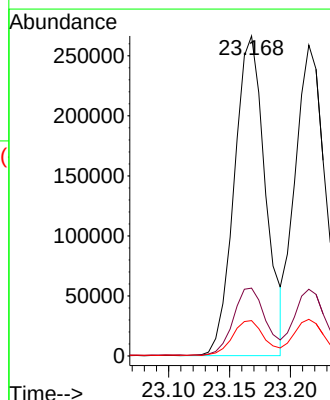
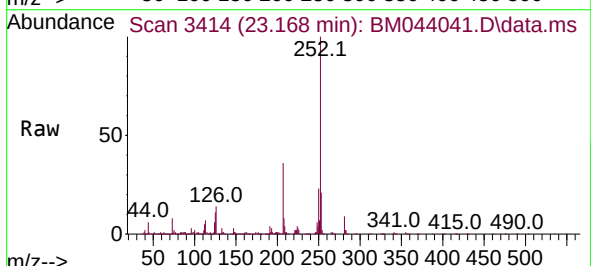
Tgt Ion:252 Resp: 473405

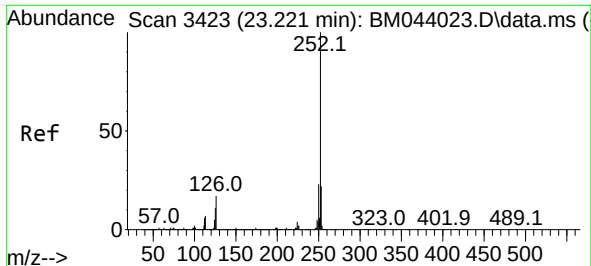
Ion Ratio Lower Upper

252 100

253 21.2 17.6 26.4

125 11.1 8.8 13.2

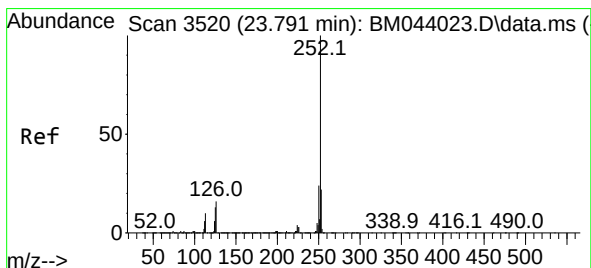
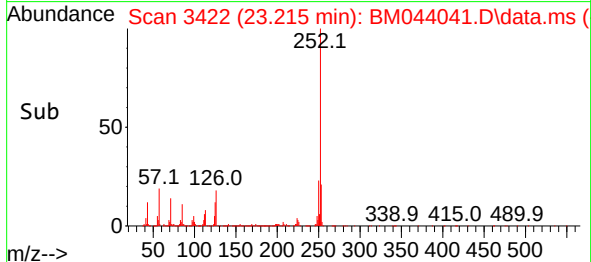
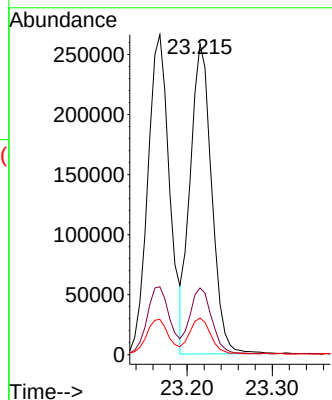
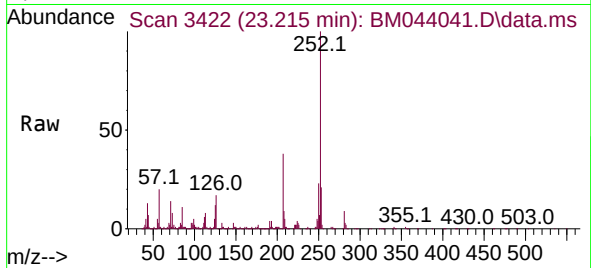




#89
Benzo(k)fluoranthene
Concen: 3.709 ng
RT: 23.215 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

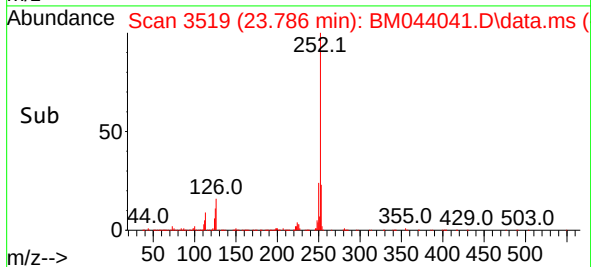
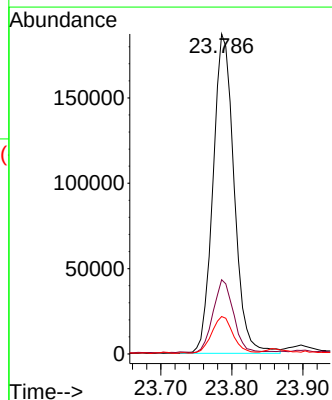
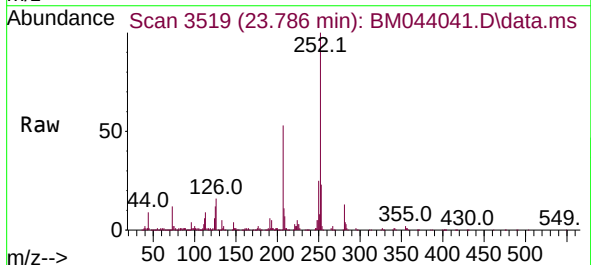
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

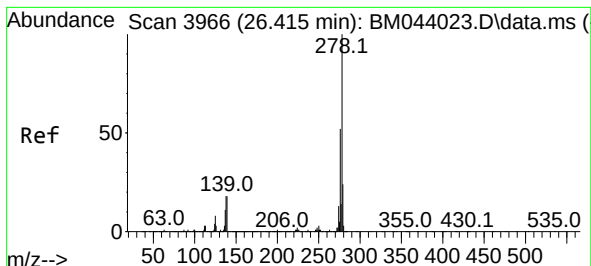
Tgt Ion:252 Resp: 450903
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 11.8 9.0 13.4



#90
Benzo(a)pyrene
Concen: 3.451 ng
RT: 23.786 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044041.D
Acq: 09 Feb 2024 16:06

Tgt Ion:252 Resp: 385705
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 11.7 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 3.590 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

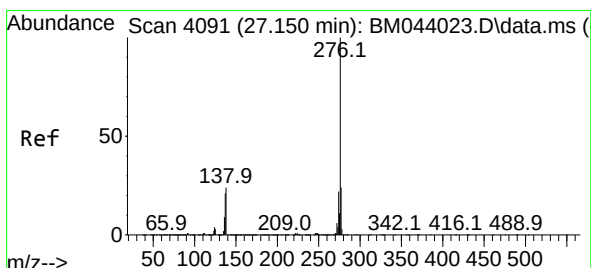
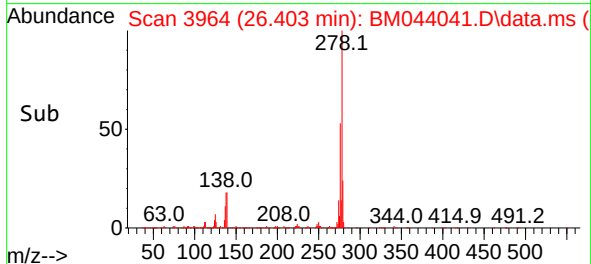
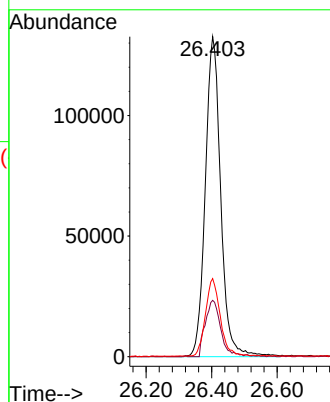
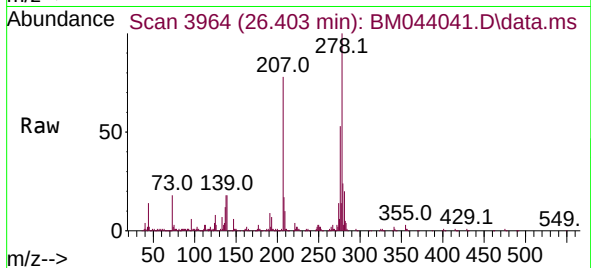
Tgt Ion:278 Resp: 434977

Ion Ratio Lower Upper

278 100

139 17.6 14.5 21.7

279 24.4 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 3.392 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044041.D

Acq: 09 Feb 2024 16:06

Tgt Ion:276 Resp: 416832

Ion Ratio Lower Upper

276 100

277 22.6 19.0 28.4

138 24.3 19.1 28.7

