

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
 Data File : BM044042.D
 Acq On : 09 Feb 2024 16:42
 Operator : MA/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL-8ppm
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 09 17:12:01 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	599812	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2532633	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1484142	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	2922094	20.000	ng	0.00
76) Chrysene-d12	21.503	240	2350765	20.000	ng	0.00
86) Perylene-d12	23.897	264	2534360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	3320920	80.526	ng	0.00
7) Phenol-d6	7.075	99	4329264	82.506	ng	0.00
23) Nitrobenzene-d5	9.081	82	2887397	60.497	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1322181	82.280	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	6158912	58.567	ng	0.00
79) Terphenyl-d14	19.945	244	7824071	58.346	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	101258	6.187	ng	98
3) Pyridine	3.787	79	237292	5.492	ng	98
4) n-Nitrosodimethylamine	3.710	42	99493	6.069	ng	# 98
6) Aniline	7.239	93	369057	7.153	ng	96
8) 2-Chlorophenol	7.469	128	262461	6.094	ng	99
9) Benzaldehyde	7.057	77	232779	8.633	ng	99
10) Phenol	7.098	94	327482	6.184	ng	96
11) bis(2-Chloroethyl)ether	7.345	93	268049	6.112	ng	99
12) 1,3-Dichlorobenzene	7.792	146	291136	5.954	ng	98
13) 1,4-Dichlorobenzene	7.945	146	295736	6.000	ng	99
14) 1,2-Dichlorobenzene	8.257	146	281445	5.993	ng	97
15) Benzyl Alcohol	8.151	79	213892	6.261	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.451	45	352158	6.335	ng	99
17) 2-Methylphenol	8.351	107	204444	5.881	ng	99
18) Hexachloroethane	8.981	117	109924	5.957	ng	99
19) n-Nitroso-di-n-propyla...	8.722	70	206321	6.403	ng	99
20) 3+4-Methylphenols	8.681	107	280010	5.853	ng	99
22) Acetophenone	8.739	105	415986	6.471	ng	# 99
24) Nitrobenzene	9.122	77	303140	6.202	ng	99
25) Isophorone	9.639	82	549327	5.977	ng	100
26) 2-Nitrophenol	9.828	139	124637	5.500	ng	98
27) 2,4-Dimethylphenol	9.886	122	188035	6.490	ng	99
28) bis(2-Chloroethoxy)met...	10.133	93	368441	6.199	ng	99
29) 2,4-Dichlorophenol	10.357	162	224376	5.882	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	252660	5.890	ng	100
31) Naphthalene	10.757	128	845872	6.051	ng	98
32) Benzoic acid	9.963	122	100576	3.446	ng	95
33) 4-Chloroaniline	10.880	127	335784	6.344	ng	99
34) Hexachlorobutadiene	11.033	225	140738	5.732	ng	98
35) Caprolactam	11.651	113	67613	5.508	ng	95
36) 4-Chloro-3-methylphenol	11.998	107	237867	5.758	ng	99
37) 2-Methylnaphthalene	12.374	142	555181	5.963	ng	96
38) 1-Methylnaphthalene	12.592	142	546125	5.969	ng	100
40) 1,2,4,5-Tetrachloroben...	12.733	216	266028	6.167	ng	99
41) Hexachlorocyclopentadiene	12.710	237	115319	6.125	ng	99
43) 2,4,6-Trichlorophenol	12.980	196	163083	5.555	ng	98

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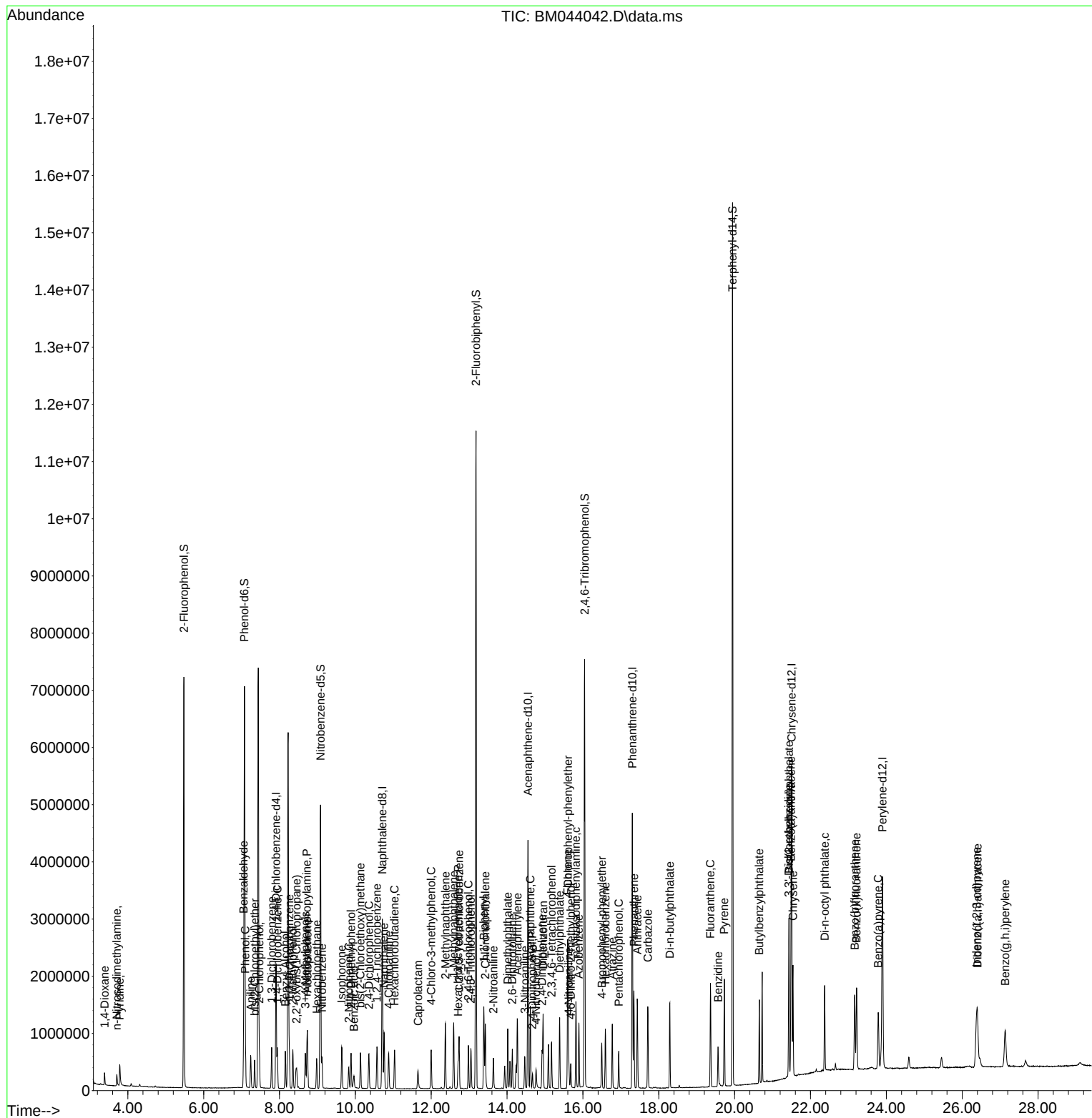
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44) 2,4,5-Trichlorophenol	13.045	196	176945	5.492	ng	94
46) 1,1'-Biphenyl	13.386	154	744853	6.360	ng	99
47) 2-Chloronaphthalene	13.427	162	559237	6.028	ng	99
48) 2-Nitroaniline	13.639	65	148471	5.689	ng	90
49) Acenaphthylene	14.274	152	917309	6.628	ng	100
50) Dimethylphthalate	14.015	163	678006	6.161	ng	99
51) 2,6-Dinitrotoluene	14.139	165	133314	5.491	ng	90
52) Acenaphthene	14.615	154	517277	6.039	ng	99
53) 3-Nitroaniline	14.468	138	145913	5.592	ng	99
54) 2,4-Dinitrophenol	14.668	184	49939	8.775	ng	96
55) Dibenzofuran	14.951	168	851951	6.426	ng	98
56) 4-Nitrophenol	14.763	139	106437	5.018	ng	98
57) 2,4-Dinitrotoluene	14.921	165	167936	5.292	ng	93
58) Fluorene	15.598	166	662949	6.471	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	154349	6.105	ng	99
60) Diethylphthalate	15.386	149	678003	5.962	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	320280	6.452	ng	100
62) 4-Nitroaniline	15.627	138	139772	5.322	ng	98
63) Azobenzene	15.892	77	661154	6.197	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	73765	4.236	ng	92
66) n-Nitrosodiphenylamine	15.815	169	557144	6.276	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	140981	4.880	ng	99
68) Hexachlorobenzene	16.592	284	210608	5.951	ng	98
69) Atrazine	16.774	200	180481	7.508	ng	99
70) Pentachlorophenol	16.945	266	105717	4.592	ng	99
71) Phenanthrene	17.345	178	998912	6.474	ng	100
72) Anthracene	17.433	178	970126	6.351	ng	99
73) Carbazole	17.709	167	902831	6.077	ng	100
74) Di-n-butylphthalate	18.292	149	1100578	5.699	ng	100
75) Fluoranthene	19.362	202	1047253	6.042	ng	99
77) Benzidine	19.562	184	429887	11.767	ng	99
78) Pyrene	19.727	202	1096272	6.055	ng	99
80) Butylbenzylphthalate	20.650	149	415982	5.169	ng	98
81) Benzo(a)anthracene	21.486	228	1008470	6.167	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	335099	6.246	ng	98
83) Chrysene	21.539	228	925701	5.992	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	646083	5.441	ng	99
85) Di-n-octyl phthalate	22.374	149	1000632	4.825	ng	98
87) Indeno(1,2,3-cd)pyrene	26.379	276	1033523	5.762	ng	100
88) Benzo(b)fluoranthene	23.168	252	937944	5.920	ng	100
89) Benzo(k)fluoranthene	23.215	252	894408	5.941	ng	100
90) Benzo(a)pyrene	23.785	252	797265	5.761	ng	99
91) Dibenzo(a,h)anthracene	26.403	278	880433	5.868	ng	99
92) Benzo(g,h,i)perylene	27.132	276	842585	5.537	ng	100

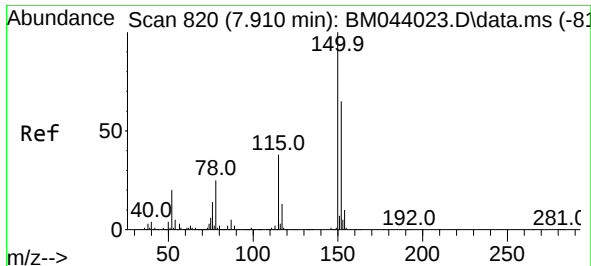
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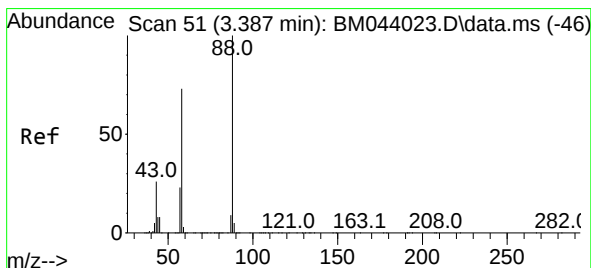
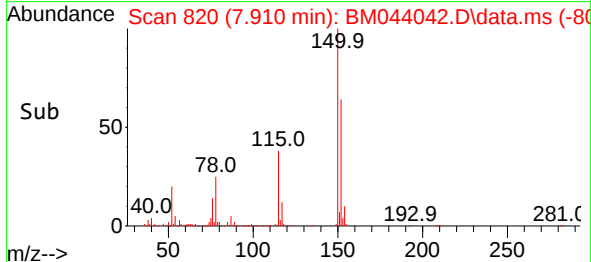
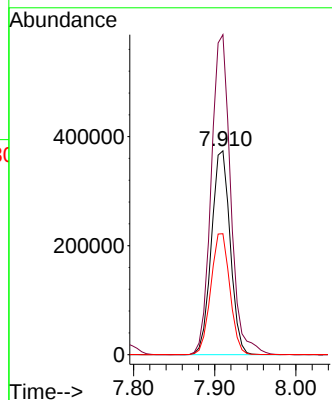
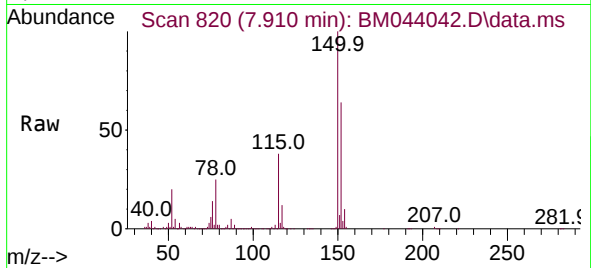




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM044042.D
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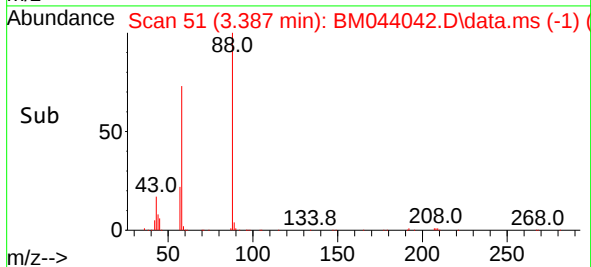
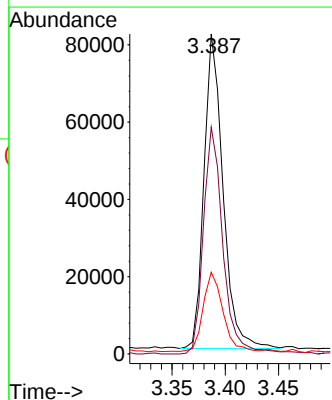
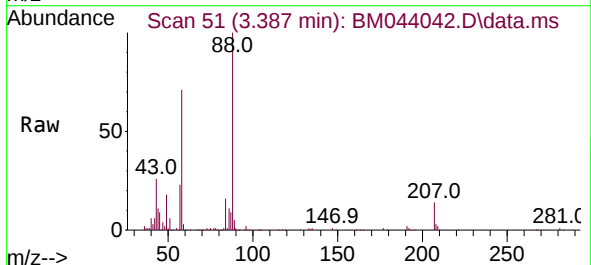
Instrument :
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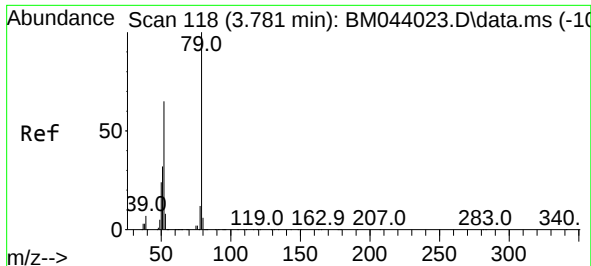
Tgt Ion:152 Resp: 599812
Ion Ratio Lower Upper
152 100
150 156.9 122.7 184.1
115 59.3 47.0 70.6



#2
1,4-Dioxane
Concen: 6.187 ng
RT: 3.387 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 88 Resp: 101258
Ion Ratio Lower Upper
88 100
58 74.5 58.1 87.1
43 25.8 21.1 31.7

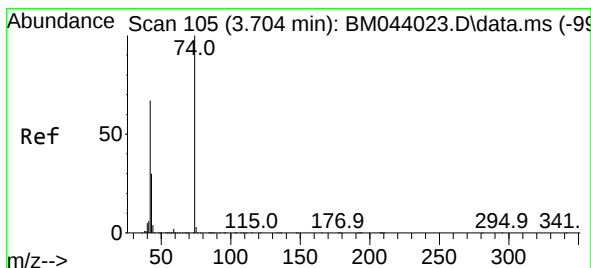
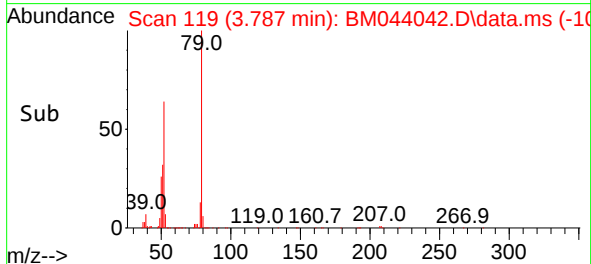
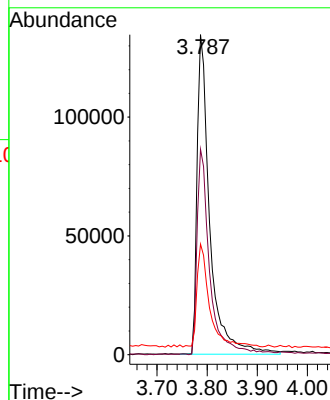
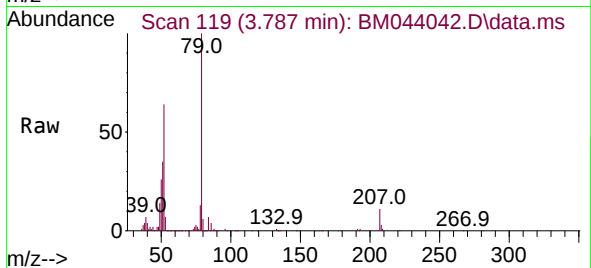




#3
 Pyridine
 Concen: 5.492 ng
 RT: 3.787 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: BM044042.D
 Acq: 09 Feb 2024 16:42

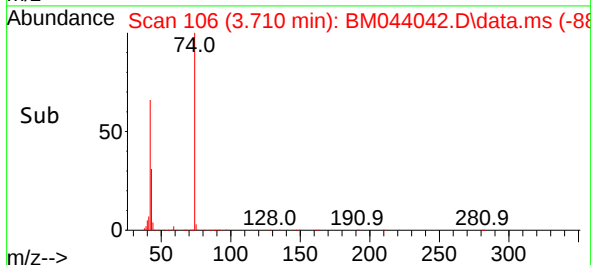
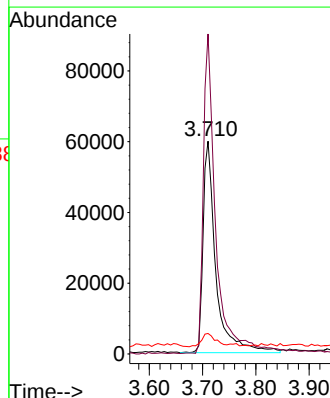
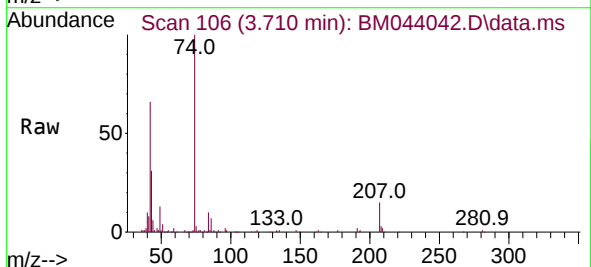
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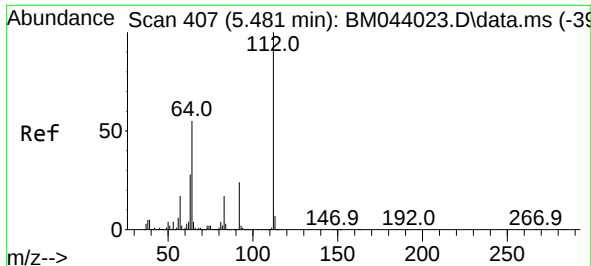
Tgt Ion: 79 Resp: 237292
 Ion Ratio Lower Upper
 79 100
 52 64.2 52.2 78.2
 51 34.5 26.2 39.4



#4
 n-Nitrosodimethylamine
 Concen: 6.069 ng
 RT: 3.710 min Scan# 106
 Delta R.T. 0.006 min
 Lab File: BM044042.D
 Acq: 09 Feb 2024 16:42

Tgt Ion: 42 Resp: 99493
 Ion Ratio Lower Upper
 42 100
 74 150.4 118.6 178.0
 44 9.6 5.6 8.4#

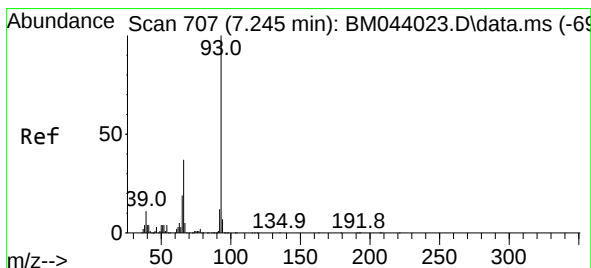
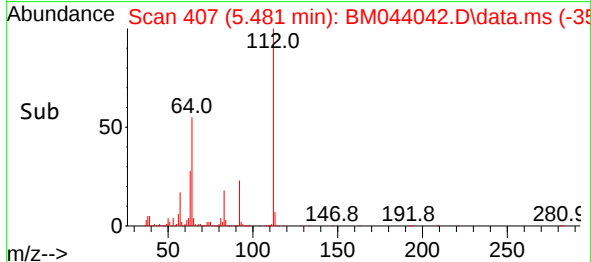
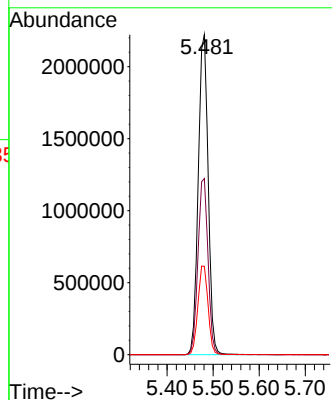
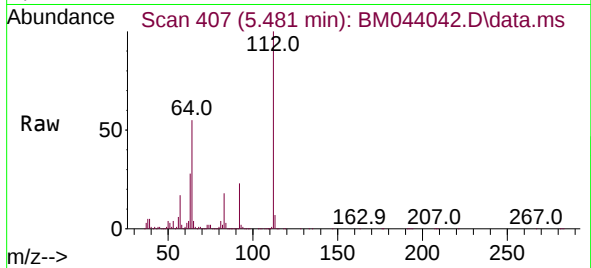




#5
2-Fluorophenol
Concen: 80.526 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

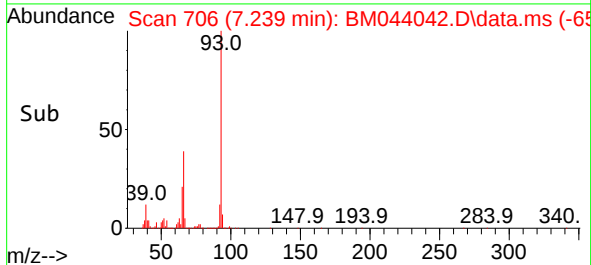
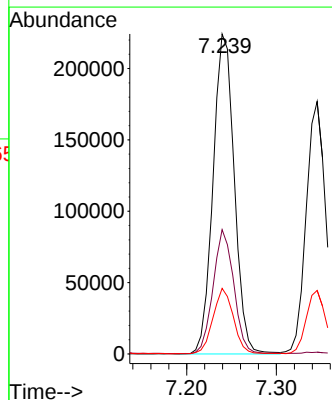
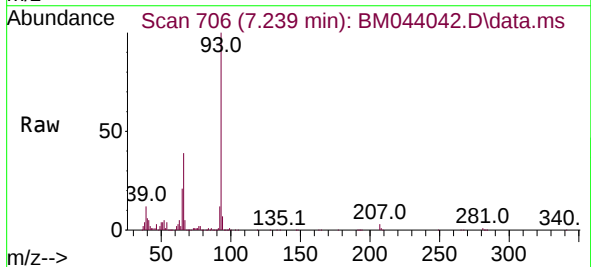
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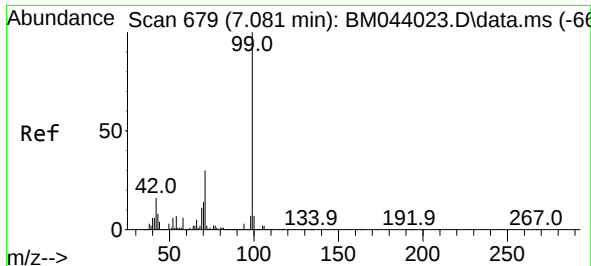
Tgt Ion:112 Resp: 3320920
Ion Ratio Lower Upper
112 100
64 55.0 44.2 66.4
63 27.6 22.6 34.0



#6
Aniline
Concen: 7.153 ng
RT: 7.239 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 93 Resp: 369057
Ion Ratio Lower Upper
93 100
66 38.8 29.4 44.0
65 20.5 15.2 22.8

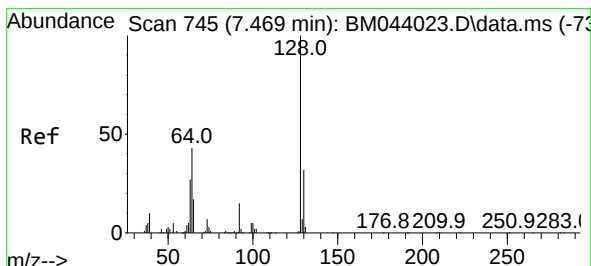
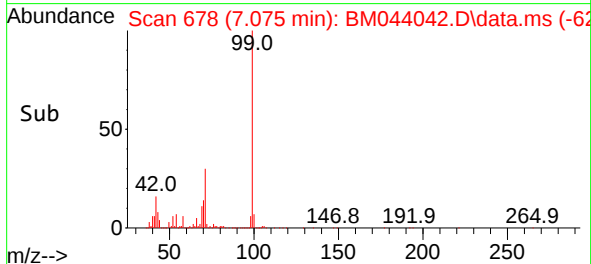
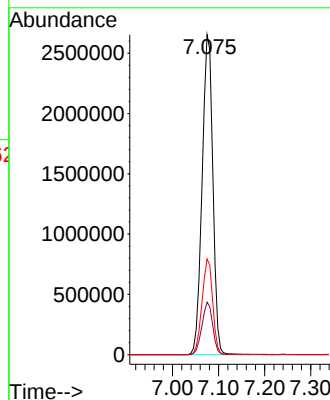
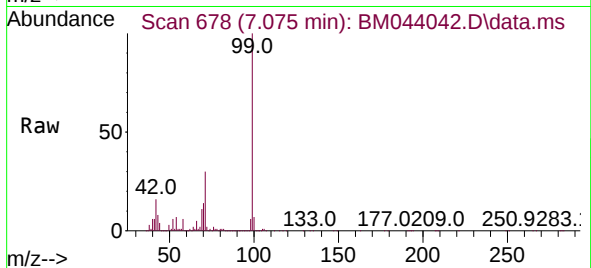




#7
Phenol-d6
Concen: 82.506 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044042.D
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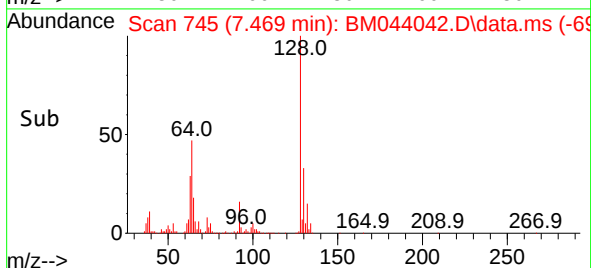
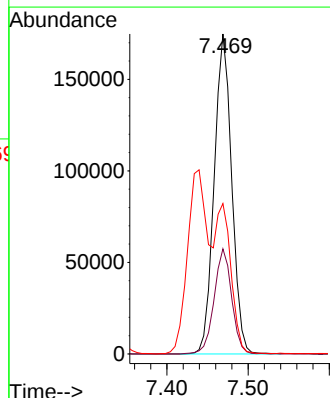
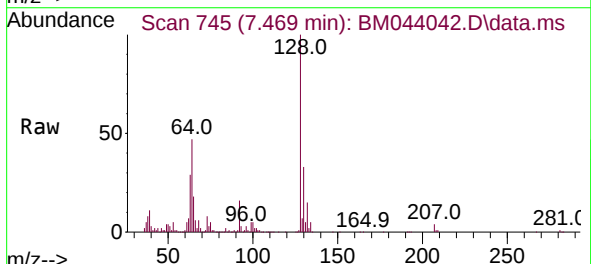
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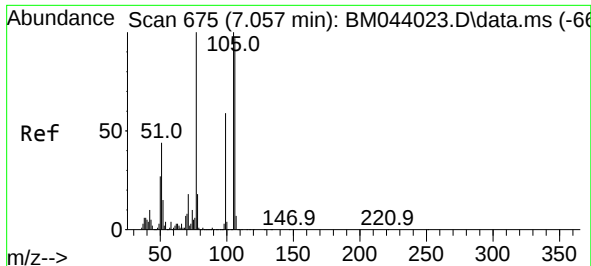
Tgt Ion: 99 Resp: 4329264
Ion Ratio Lower Upper
99 100
42 16.4 12.9 19.3
71 29.9 23.9 35.9



#8
2-Chlorophenol
Concen: 6.094 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 128 Resp: 262461
Ion Ratio Lower Upper
128 100
130 32.9 12.1 52.1
64 47.0 26.0 66.0

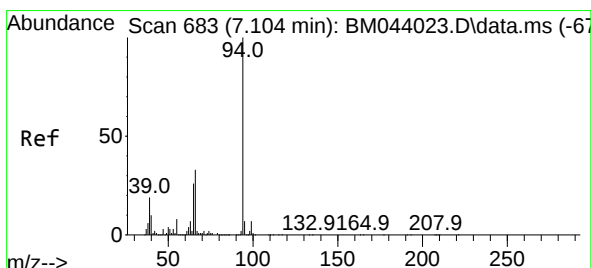
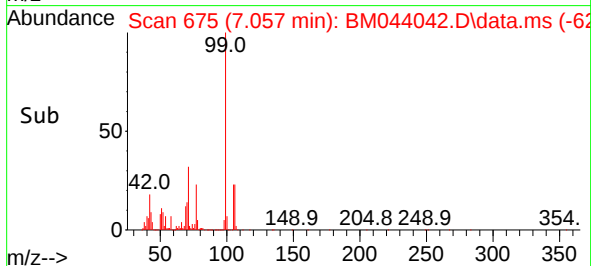
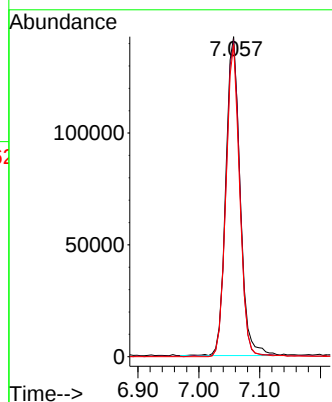
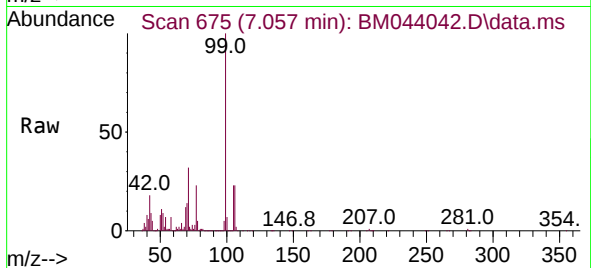




#9
Benzaldehyde
Concen: 8.633 ng
RT: 7.057 min Scan# 61
Delta R.T. 0.000 min
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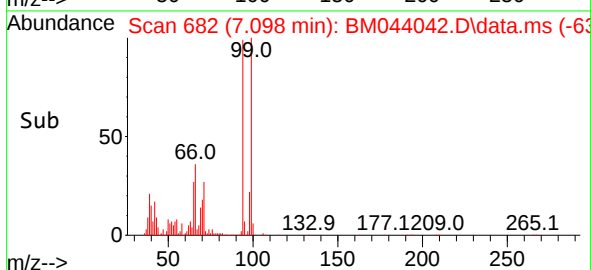
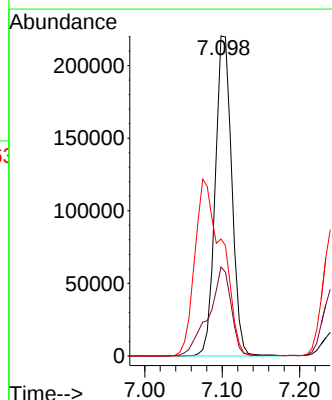
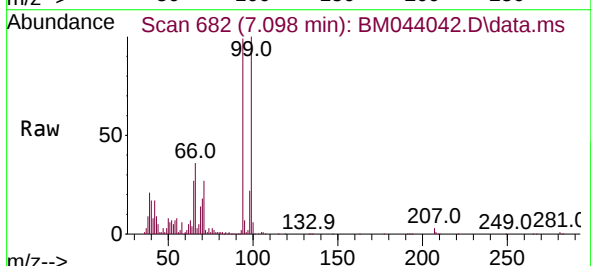
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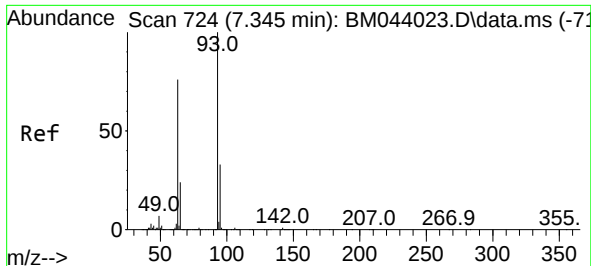
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77 100
105 98.2 80.0 120.0
106 97.5 76.8 116.8



#10
Phenol
Concen: 6.184 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 94 Resp: 327482
Ion Ratio Lower Upper
94 100
65 27.8 6.4 46.4
66 36.6 13.2 53.2

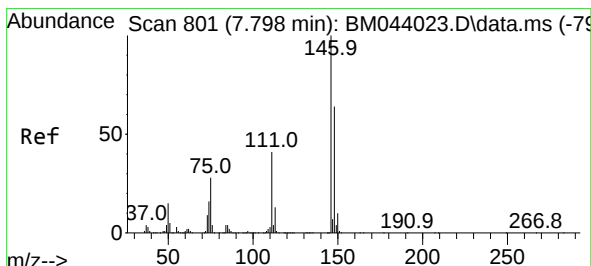
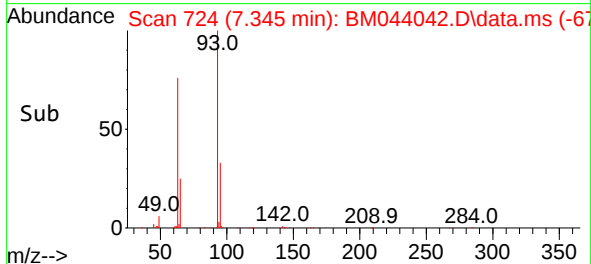
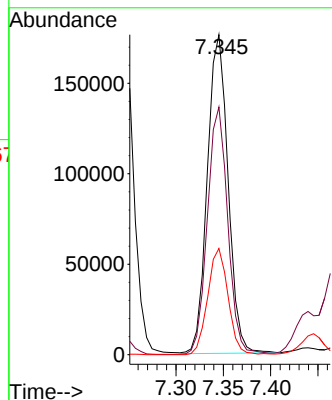
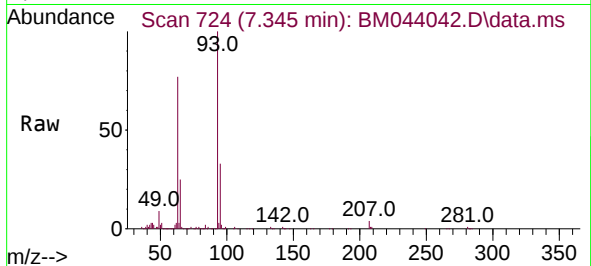




#11
bis(2-Chloroethyl)ether
Concen: 6.112 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

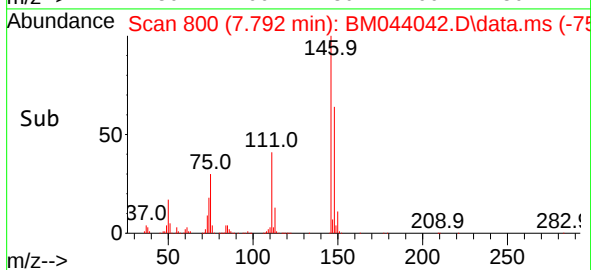
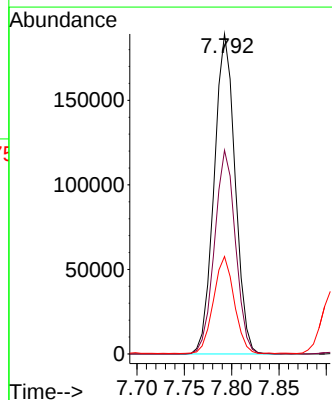
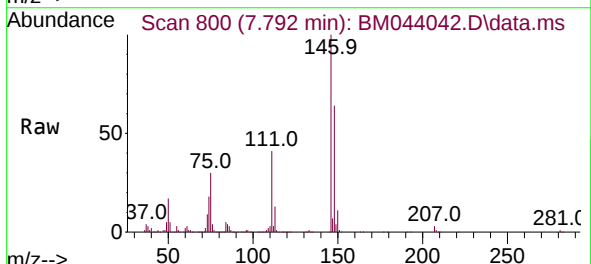
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 93 Resp: 268049
Ion Ratio Lower Upper
93 100
63 77.4 55.9 95.9
95 33.2 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 5.954 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:146 Resp: 291136
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
75 30.5 22.7 34.1

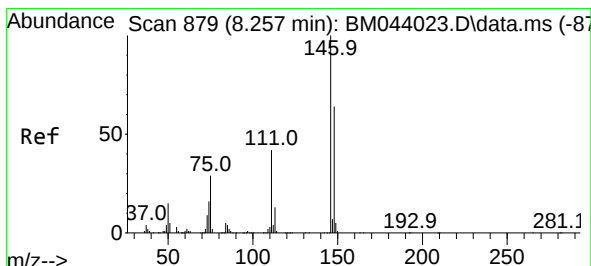
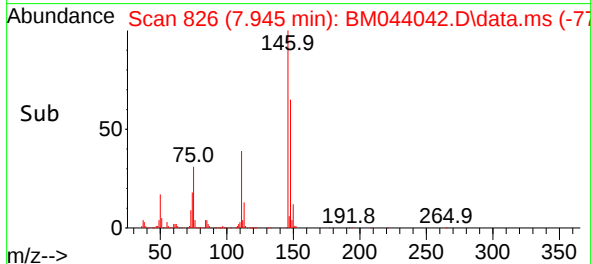
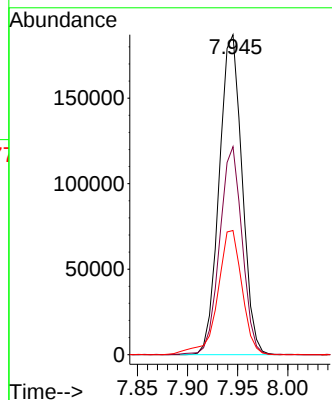
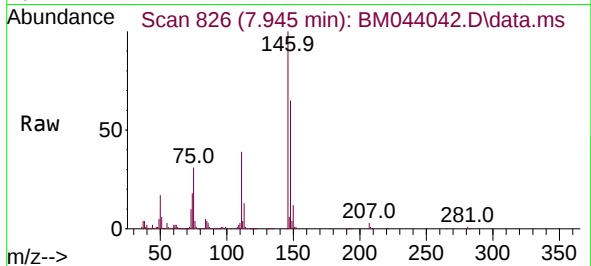




#13
1,4-Dichlorobenzene
Concen: 6.000 ng
RT: 7.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

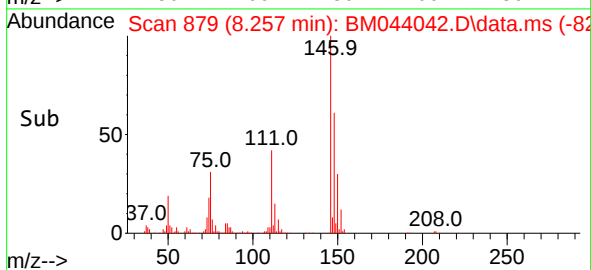
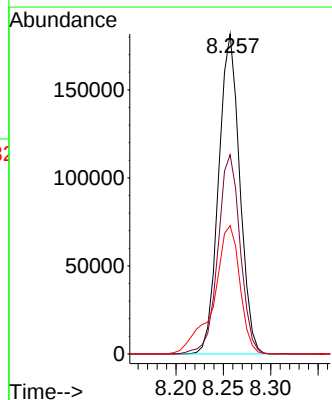
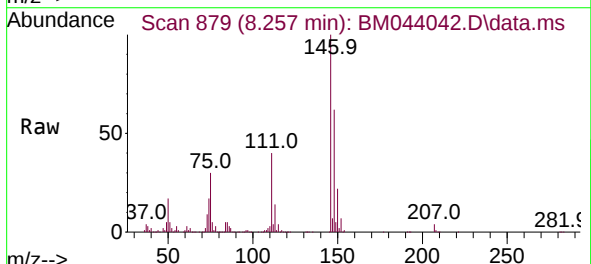
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

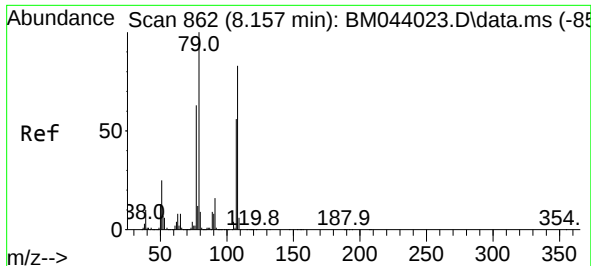
Tgt Ion:146 Resp: 295736
Ion Ratio Lower Upper
146 100
148 65.0 51.2 76.8
111 38.8 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 5.993 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:146 Resp: 281445
Ion Ratio Lower Upper
146 100
148 62.2 51.4 77.2
111 40.1 33.7 50.5

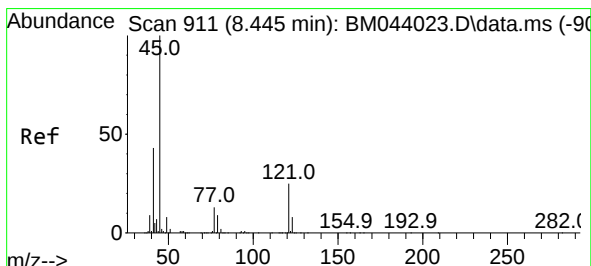
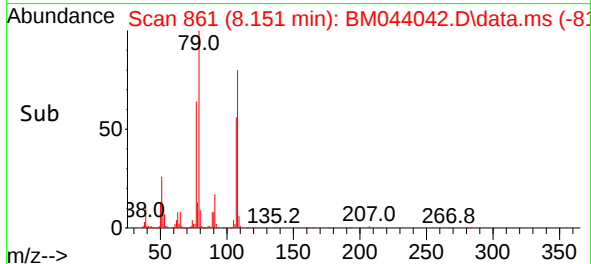
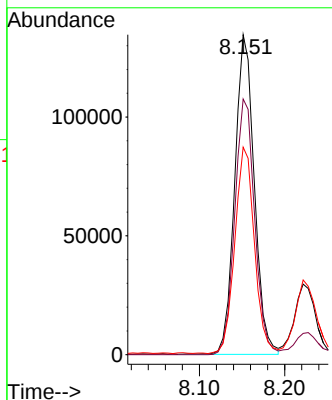
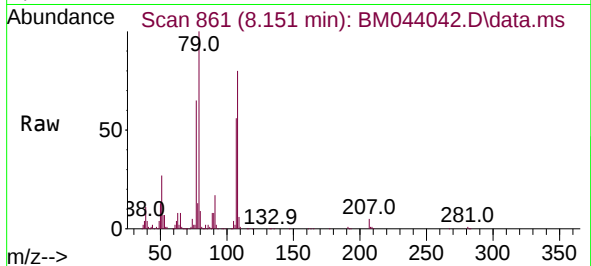




#15
Benzyl Alcohol
Concen: 6.261 ng
RT: 8.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

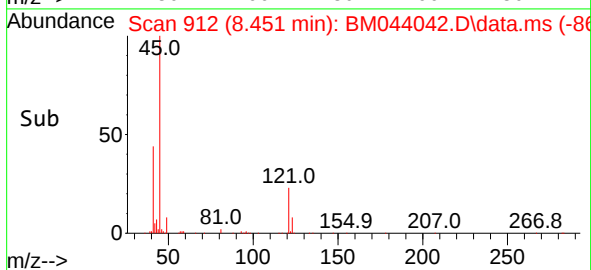
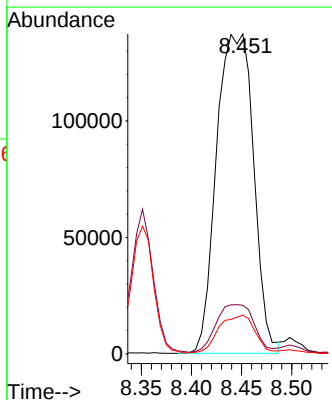
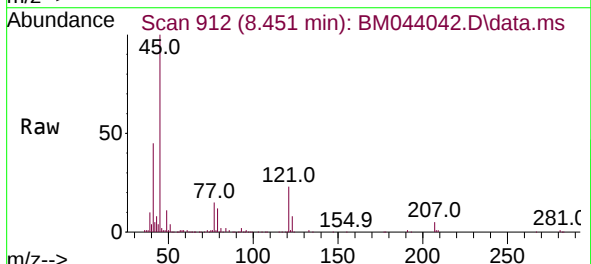
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

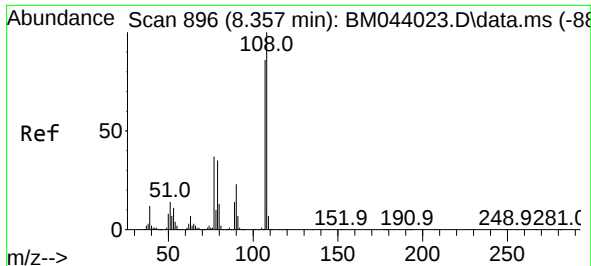
Tgt Ion: 79 Resp: 213892
Ion Ratio Lower Upper
79 100
108 79.9 66.0 99.0
77 64.8 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.335 ng
RT: 8.451 min Scan# 912
Delta R.T. 0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 45 Resp: 352158
Ion Ratio Lower Upper
45 100
77 15.2 0.0 35.1
79 12.1 0.0 31.5

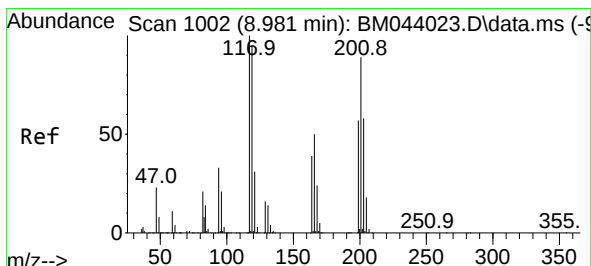
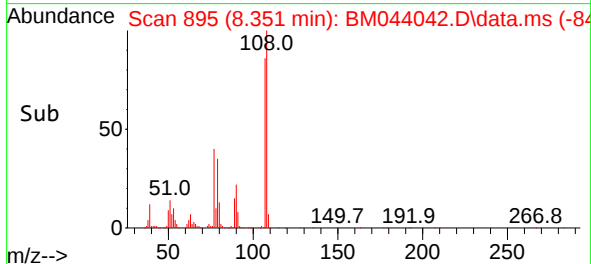
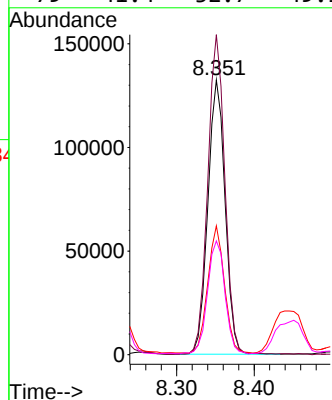
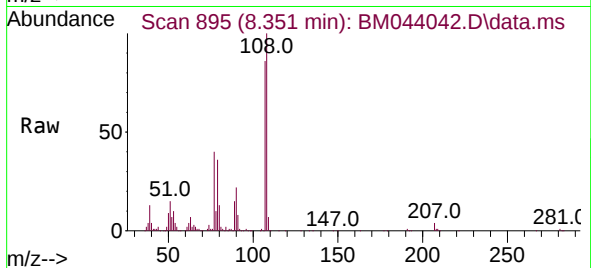




#17
2-Methylphenol
Concen: 5.881 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

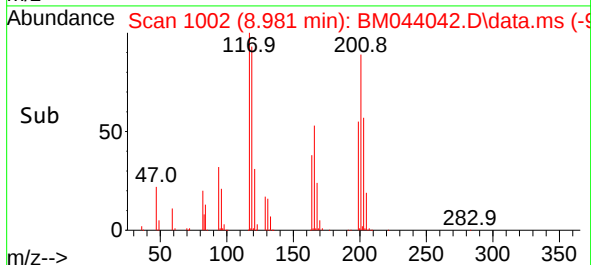
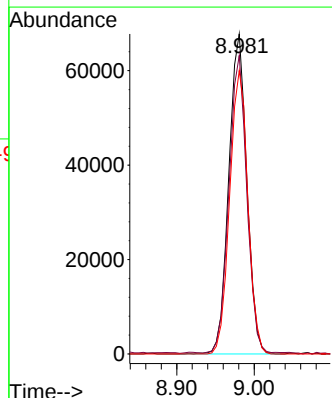
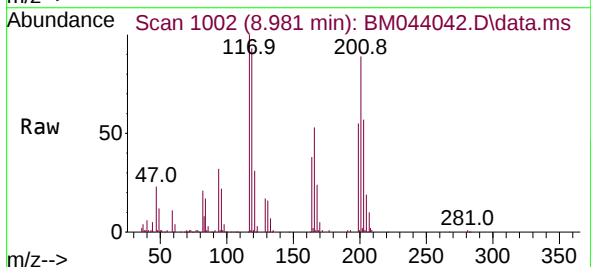
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

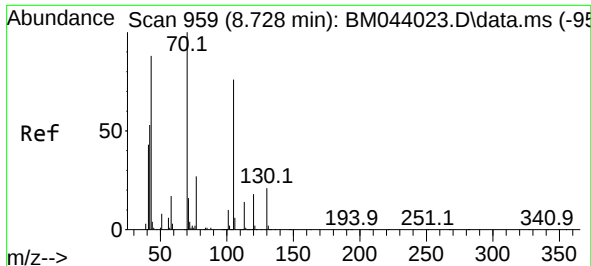
Tgt Ion:107 Resp: 204444
Ion Ratio Lower Upper
107 100
108 116.5 93.4 140.2
77 46.9 34.7 52.1
79 41.4 32.7 49.1



#18
Hexachloroethane
Concen: 5.957 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:117 Resp: 109924
Ion Ratio Lower Upper
117 100
119 93.2 75.7 113.5
201 88.6 71.5 107.3

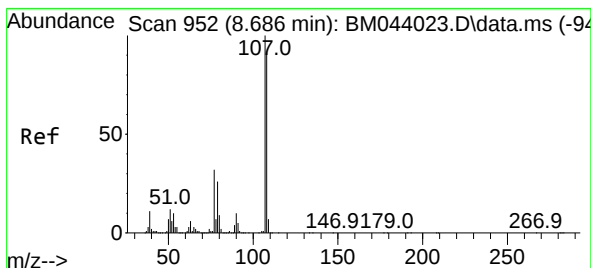
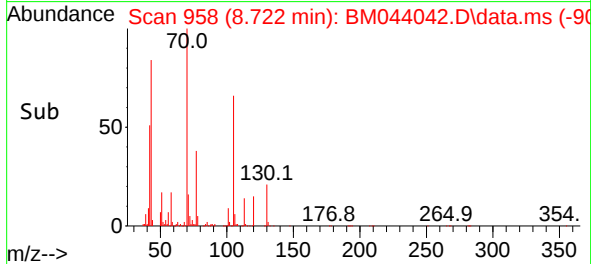
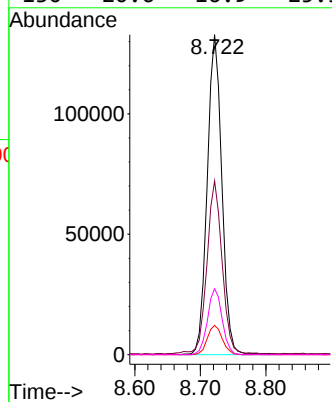
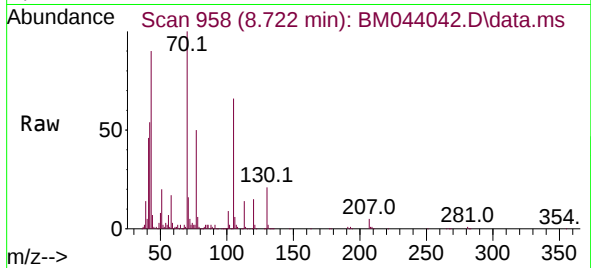




#19
n-Nitroso-di-n-propylamine
Concen: 6.403 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

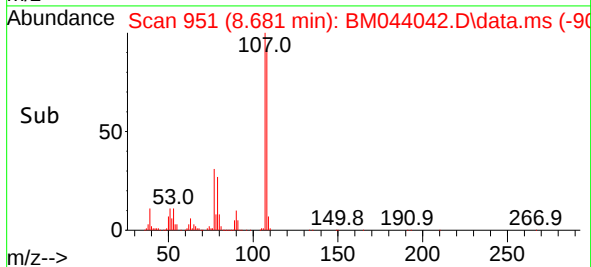
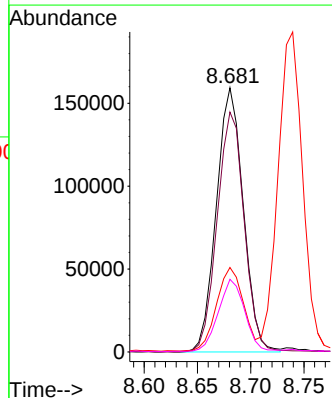
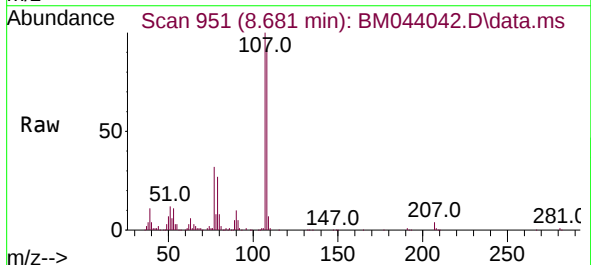
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

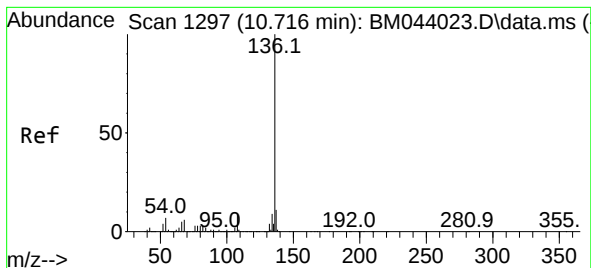
Tgt Ion: 70 Resp: 206321
Ion Ratio Lower Upper
70 100
42 54.3 42.6 64.0
101 9.1 7.8 11.6
130 20.6 16.9 25.3



#20
3+4-Methylphenols
Concen: 5.853 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 107 Resp: 280010
Ion Ratio Lower Upper
107 100
108 90.8 71.5 111.5
77 32.0 11.8 51.8
79 27.5 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: BM044042.D

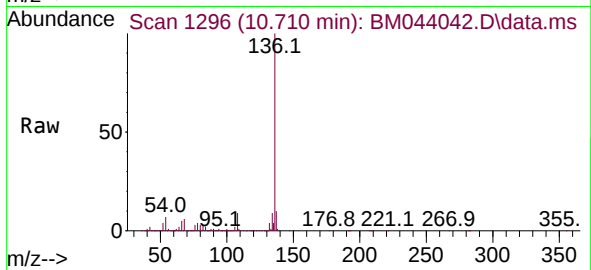
Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:136 Resp: 2532633

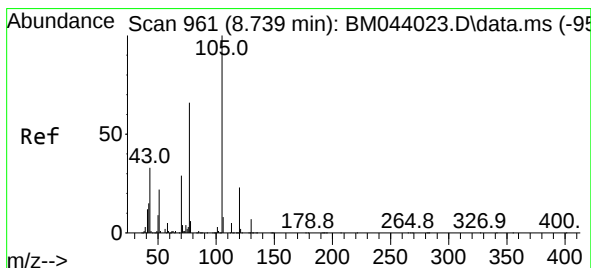
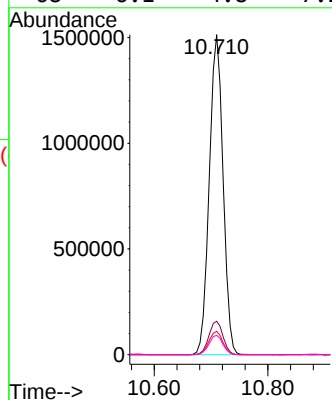
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.3 5.9 8.9

68 6.1 4.8 7.2



#22

Acetophenone

Concen: 6.471 ng

RT: 8.739 min Scan# 961

Delta R.T. -0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Tgt Ion:105 Resp: 415986

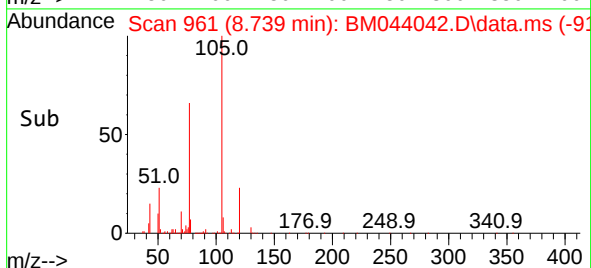
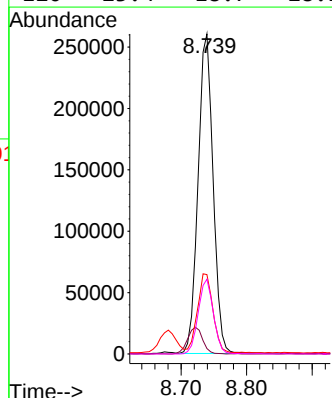
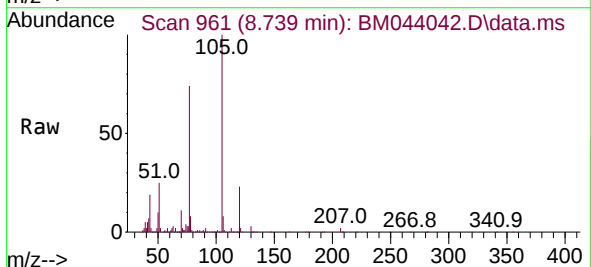
Ion Ratio Lower Upper

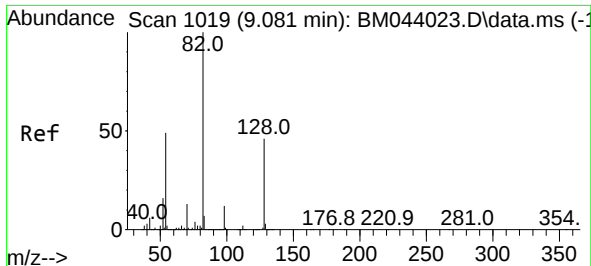
105 100

71 1.7 4.0 6.0#

51 24.8 20.1 30.1

120 23.4 18.7 28.1

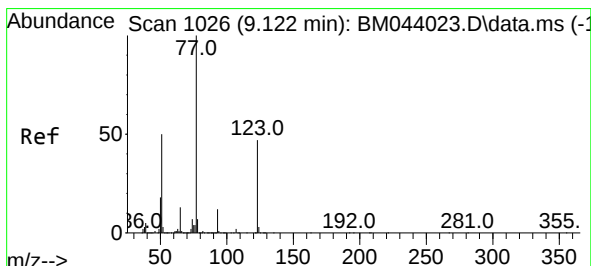
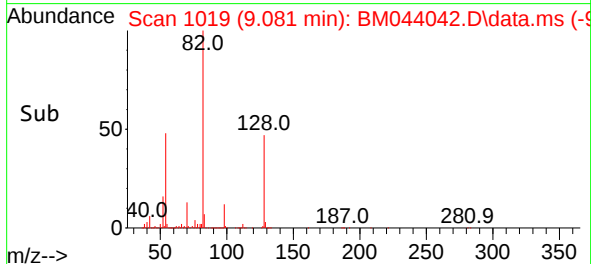
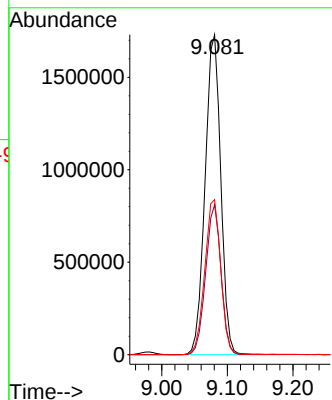
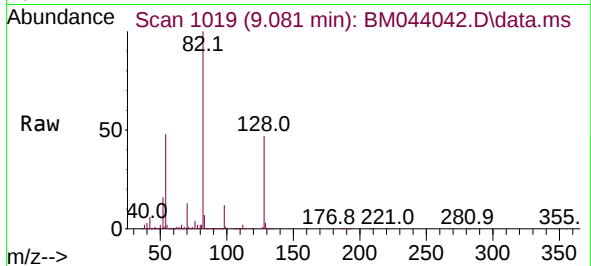




#23
Nitrobenzene-d5
Concen: 60.497 ng
RT: 9.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

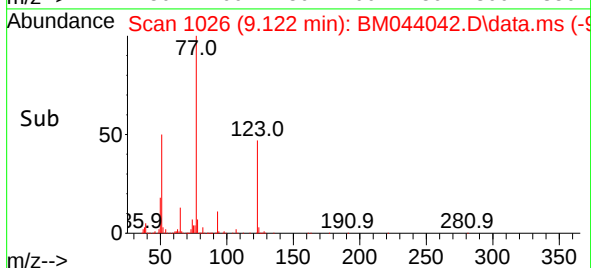
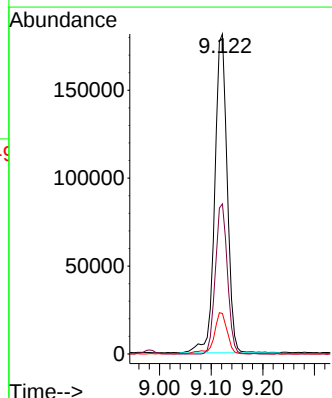
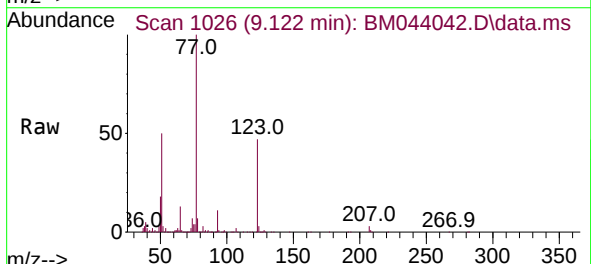
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

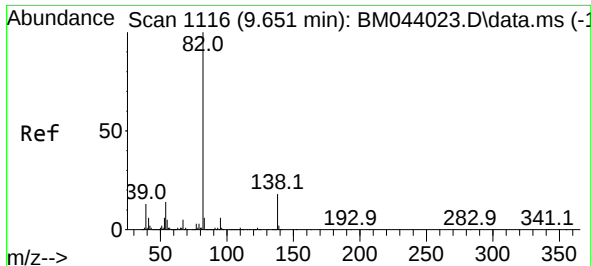
Tgt Ion: 82 Resp: 2887397
Ion Ratio Lower Upper
82 100
128 46.9 37.1 55.7
54 48.4 38.9 58.3



#24
Nitrobenzene
Concen: 6.202 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 77 Resp: 303140
Ion Ratio Lower Upper
77 100
123 46.9 37.8 56.8
65 12.6 10.5 15.7

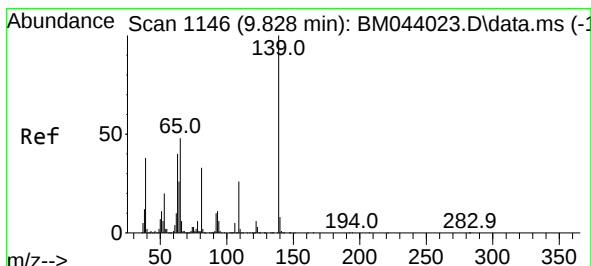
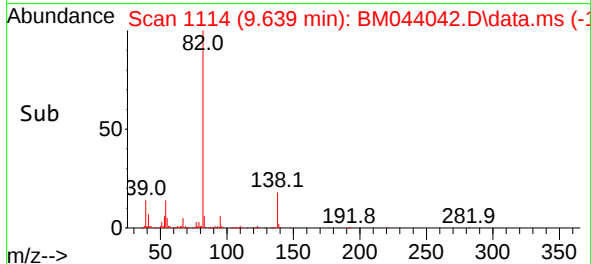
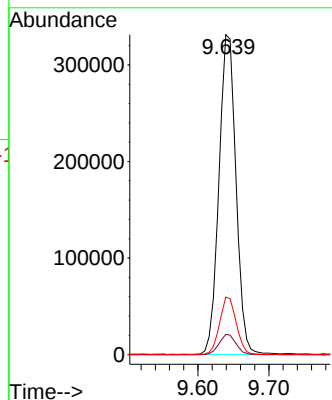
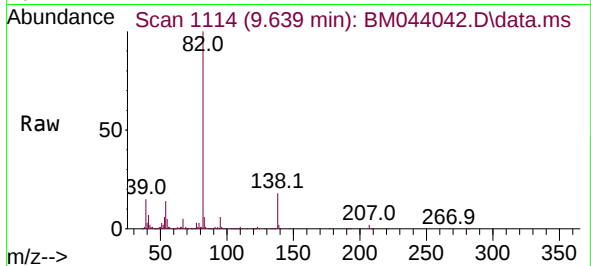




#25
Isophorone
Concen: 5.977 ng
RT: 9.639 min Scan# 1114
Delta R.T. -0.012 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

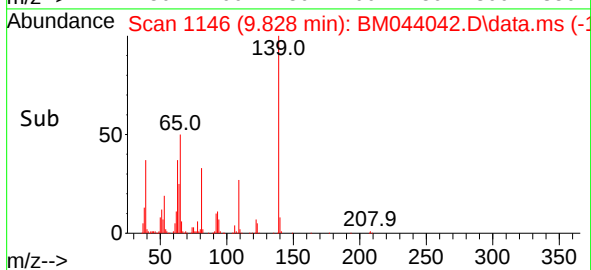
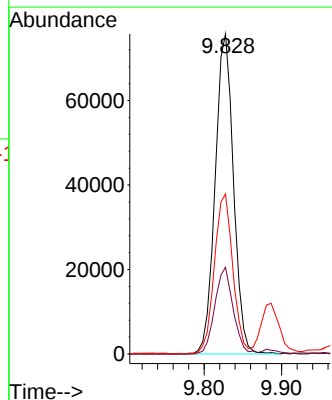
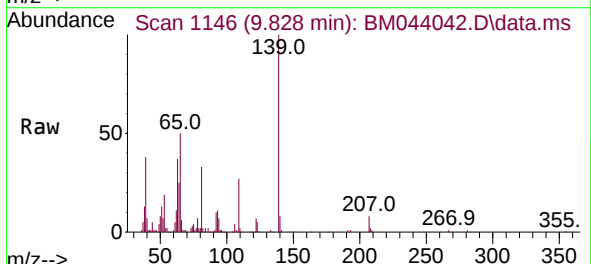
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

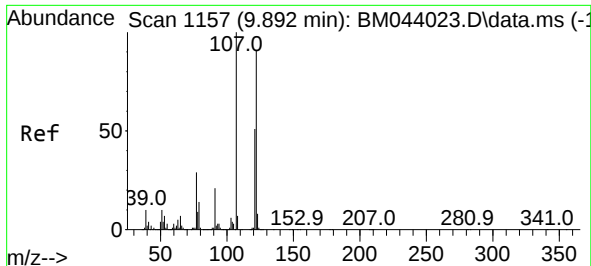
Tgt Ion: 82 Resp: 549327
Ion Ratio Lower Upper
82 100
95 6.4 5.2 7.8
138 18.0 14.3 21.5



#26
2-Nitrophenol
Concen: 5.500 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:139 Resp: 124637
Ion Ratio Lower Upper
139 100
109 27.1 21.2 31.8
65 50.0 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 6.490 ng

RT: 9.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044042.D

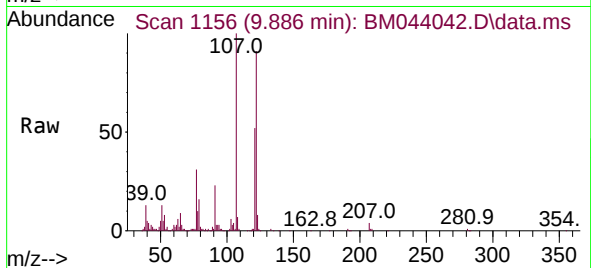
Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



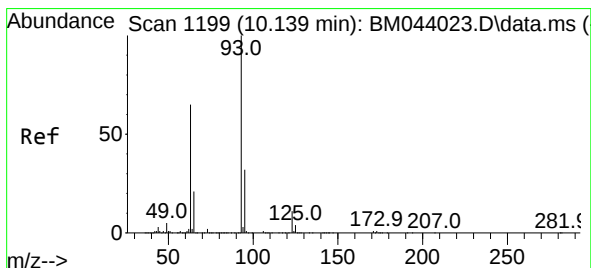
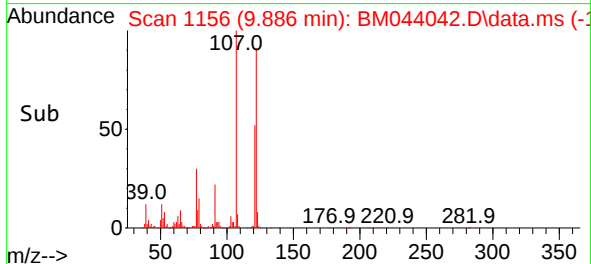
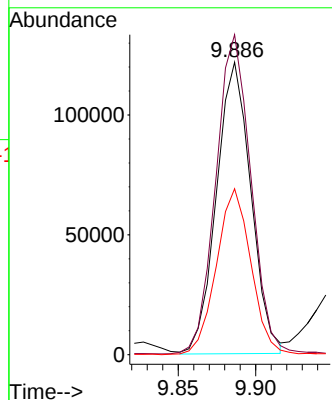
Tgt Ion:122 Resp: 188035

Ion Ratio Lower Upper

122 100

107 109.4 87.8 131.8

121 56.7 44.7 67.1



#28

bis(2-Chloroethoxy)methane

Concen: 6.199 ng

RT: 10.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

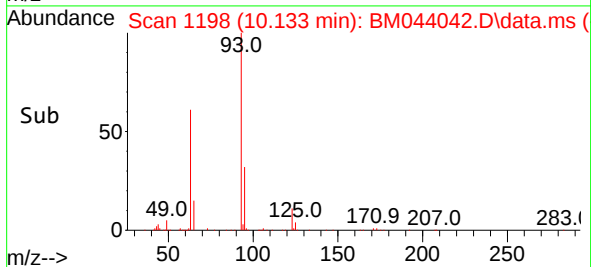
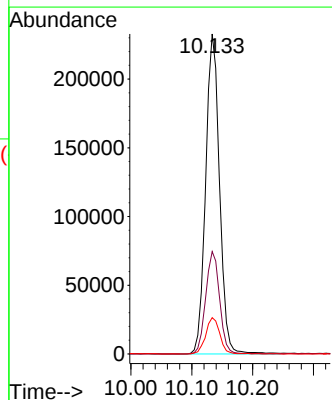
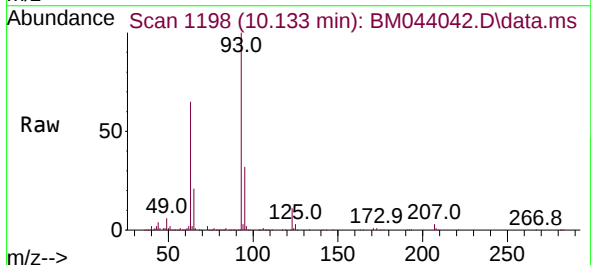
Tgt Ion: 93 Resp: 368441

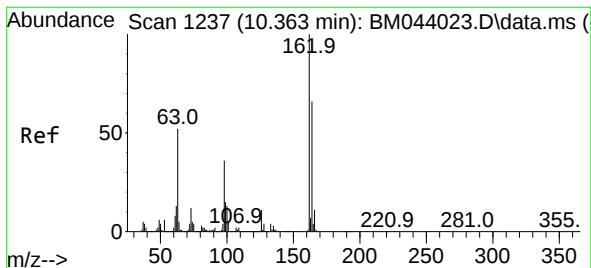
Ion Ratio Lower Upper

93 100

95 32.0 26.0 39.0

123 11.4 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 5.882 ng

RT: 10.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

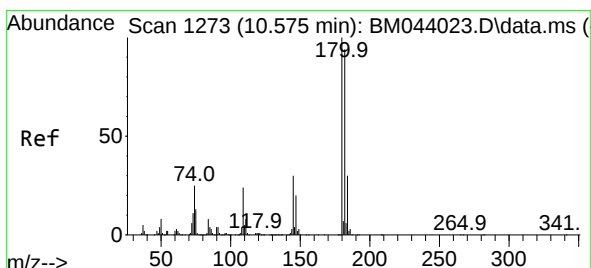
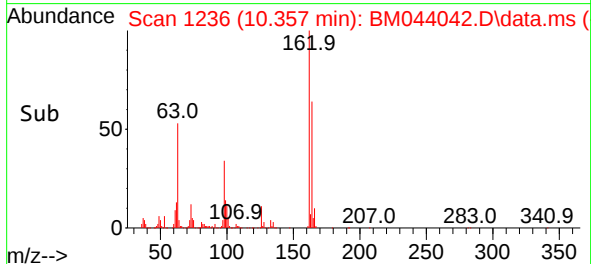
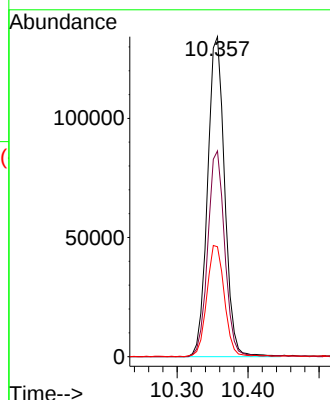
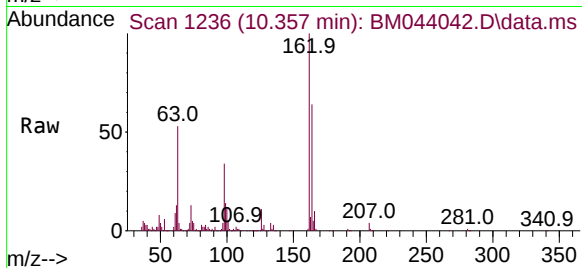
Tgt Ion:162 Resp: 224376

Ion Ratio Lower Upper

162 100

164 64.3 46.1 86.1

98 34.3 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 5.890 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

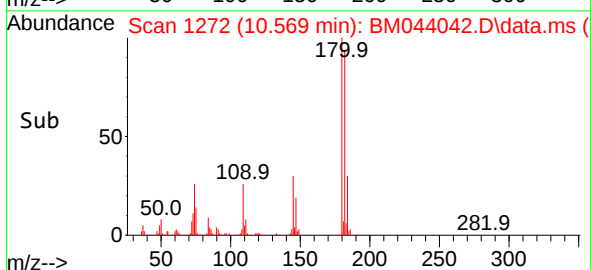
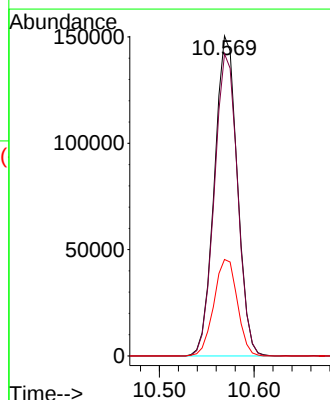
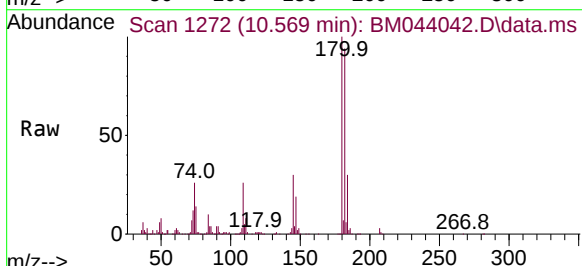
Tgt Ion:180 Resp: 252660

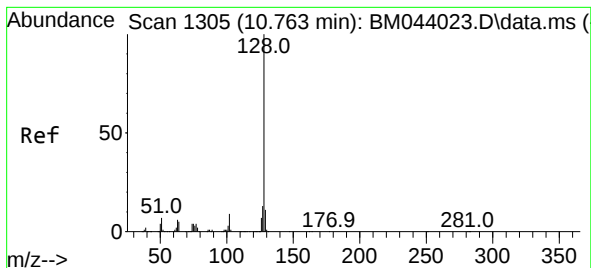
Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

145 30.2 24.3 36.5





#31

Naphthalene

Concen: 6.051 ng

RT: 10.757 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

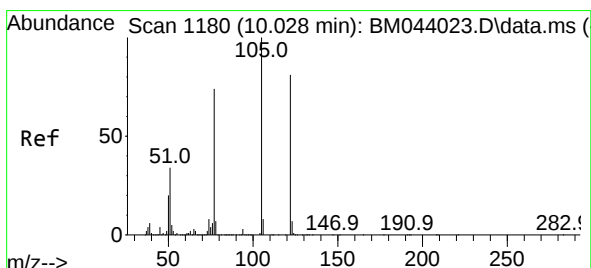
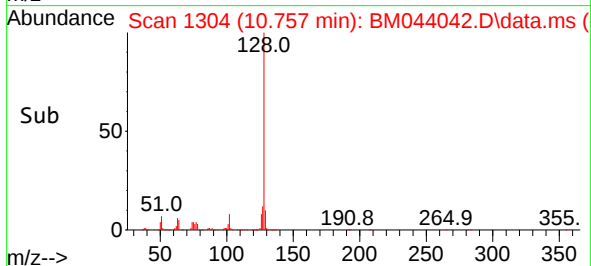
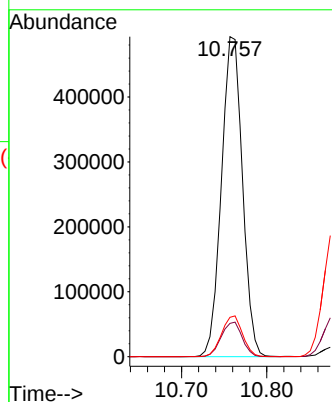
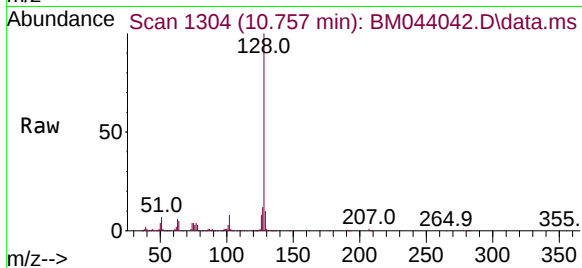
Tgt Ion:128 Resp: 845872

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

127 12.3 10.3 15.5



#32

Benzoic acid

Concen: 3.446 ng

RT: 9.963 min Scan# 1169

Delta R.T. -0.065 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

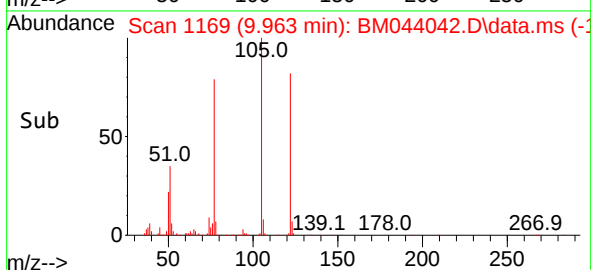
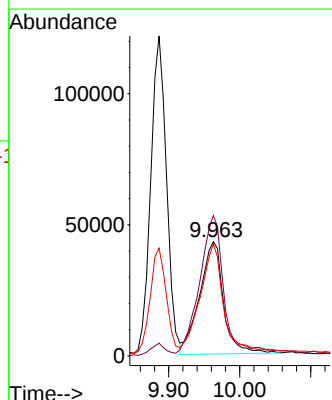
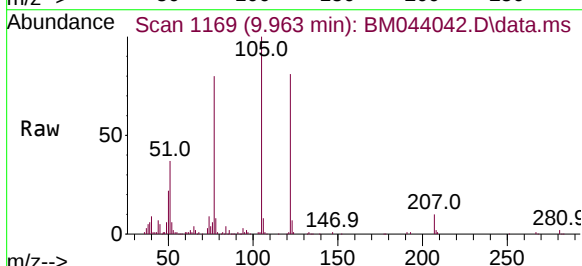
Tgt Ion:122 Resp: 100576

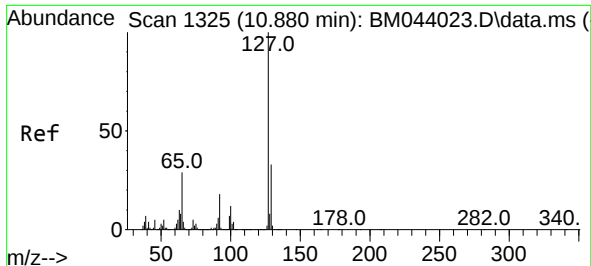
Ion Ratio Lower Upper

122 100

105 122.7 100.1 140.1

77 98.0 69.6 109.6

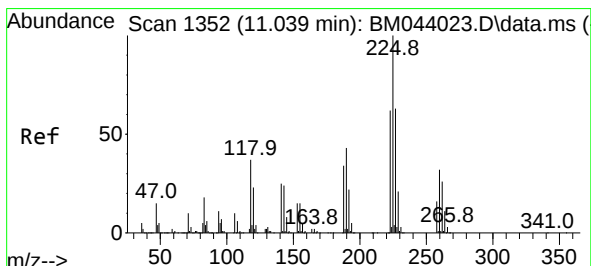
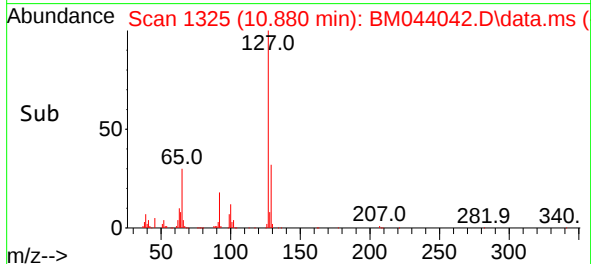
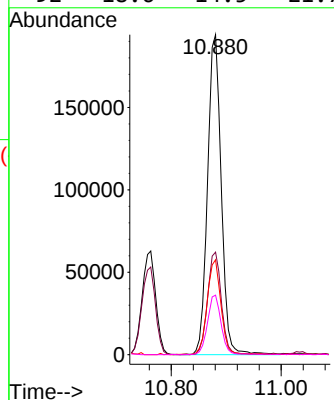
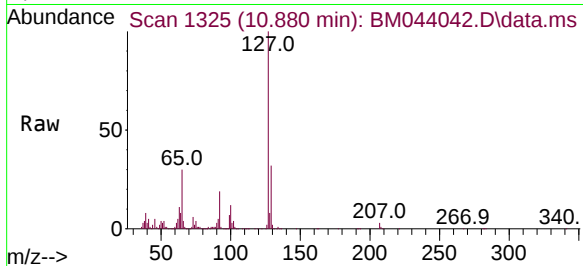




#33
4-Chloroaniline
Concen: 6.344 ng
RT: 10.880 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

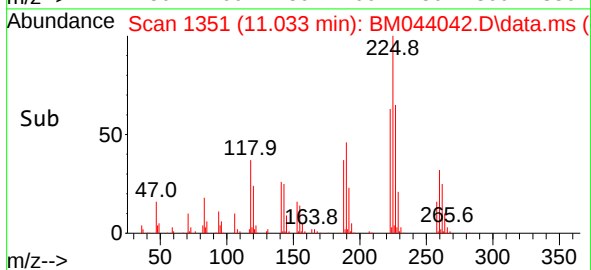
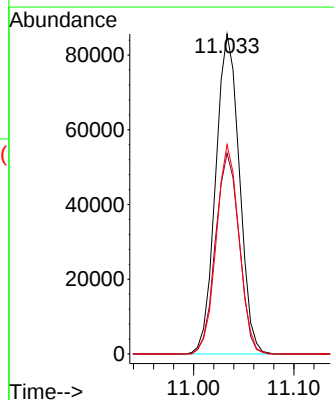
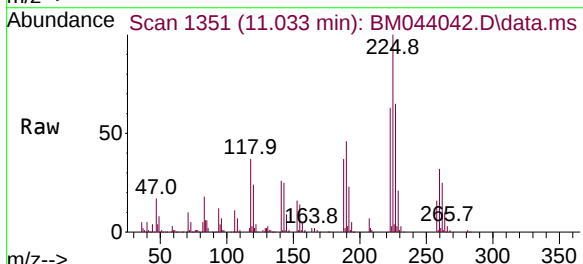
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

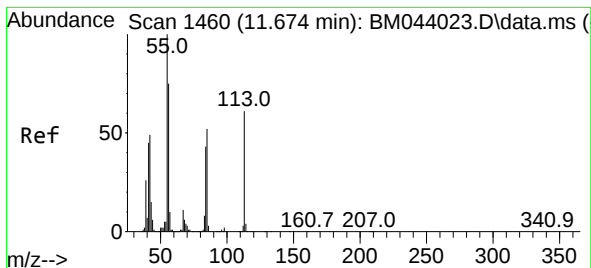
Tgt Ion:	127	Resp:	335784
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	29.6	23.0	34.6
92	18.6	14.5	21.7



#34
Hexachlorobutadiene
Concen: 5.732 ng
RT: 11.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:	225	Resp:	140738
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.9	74.9
227	65.4	50.6	76.0





#35

Caprolactam

Concen: 5.508 ng

RT: 11.651 min Scan# 14

Delta R.T. -0.024 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

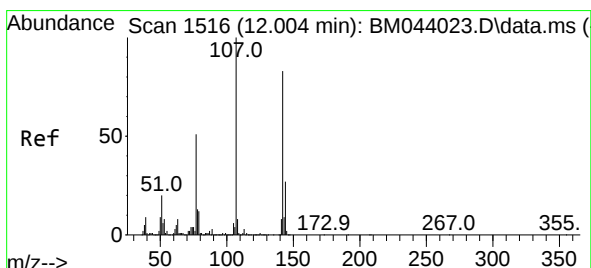
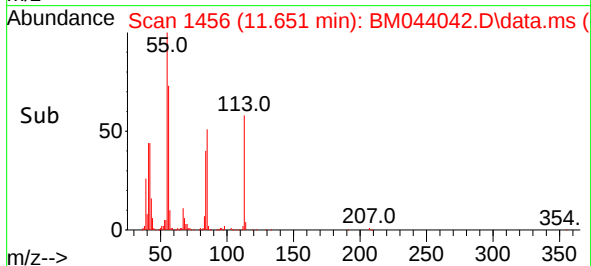
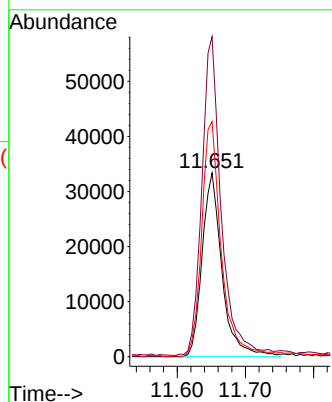
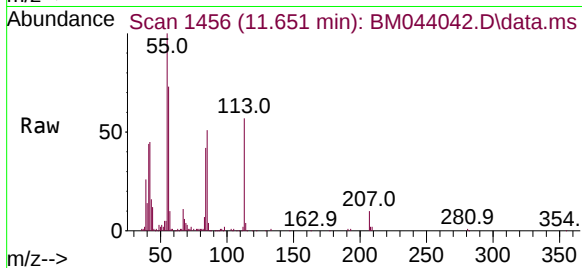
Tgt Ion:113 Resp: 67613

Ion Ratio Lower Upper

113 100

55 174.1 145.6 185.6

56 127.9 103.3 143.3



#36

4-Chloro-3-methylphenol

Concen: 5.758 ng

RT: 11.998 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

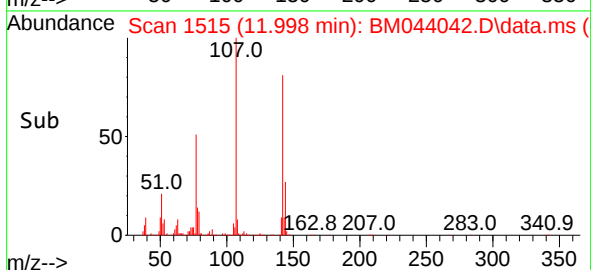
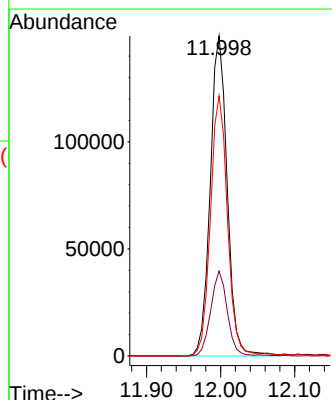
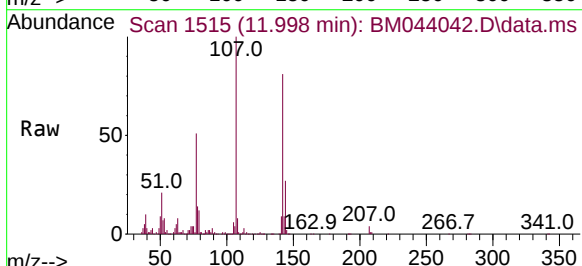
Tgt Ion:107 Resp: 237867

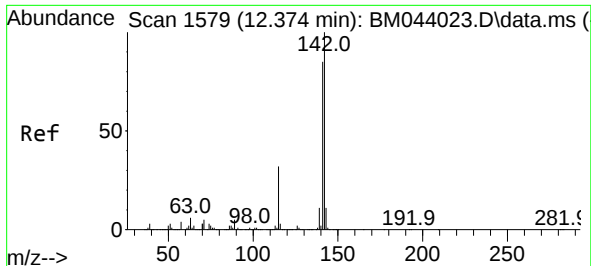
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 81.2 66.2 99.4

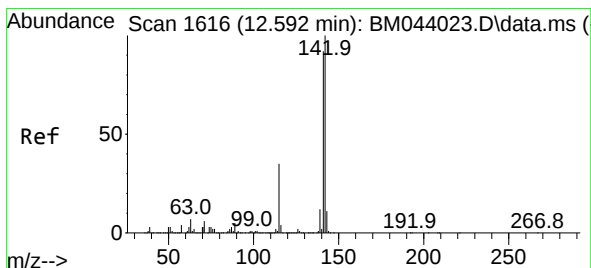
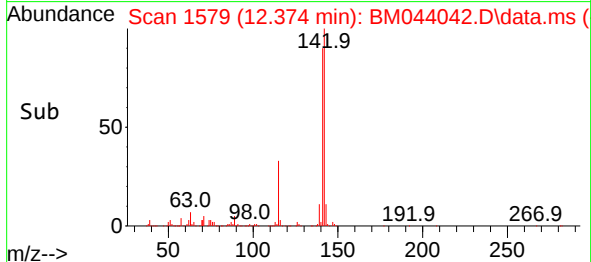
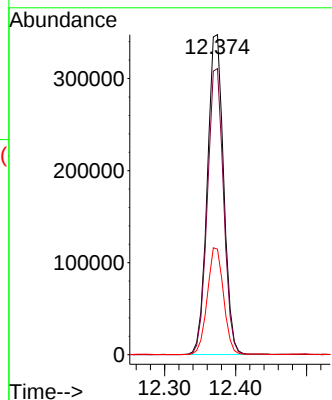
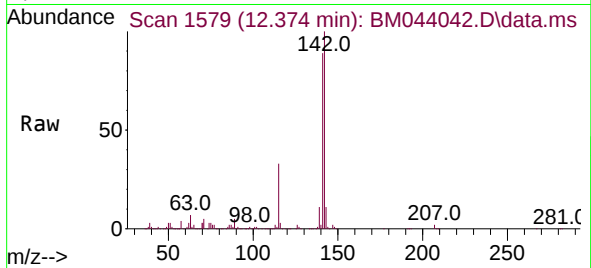




#37
2-Methylnaphthalene
Concen: 5.963 ng
RT: 12.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

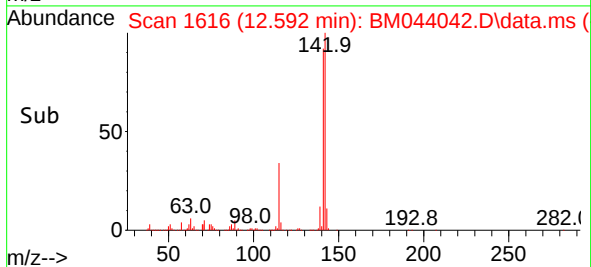
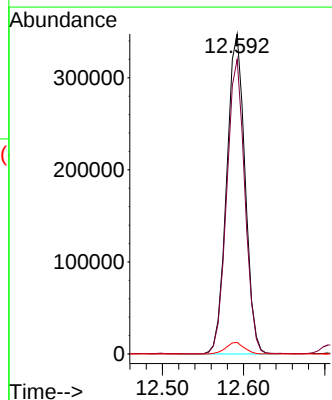
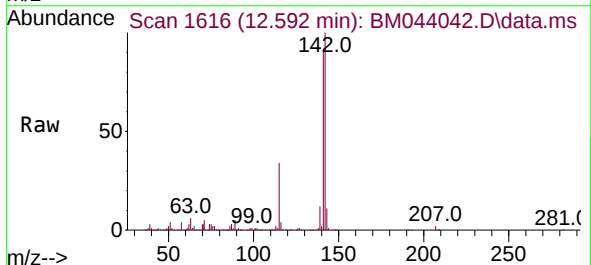
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

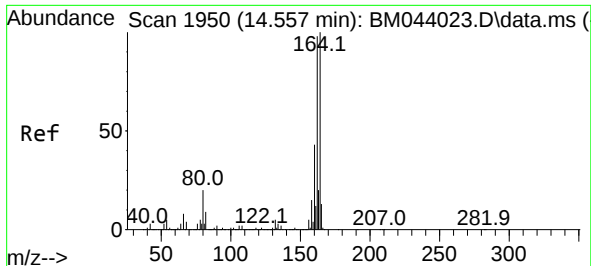
Tgt Ion:	142	Resp:	555181
Ion	Ratio	Lower	Upper
142	100		
141	89.4	68.3	102.5
115	33.0	25.7	38.5



#38
1-Methylnaphthalene
Concen: 5.969 ng
RT: 12.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:	142	Resp:	546125
Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.4	110.0
116	3.6	3.0	4.4

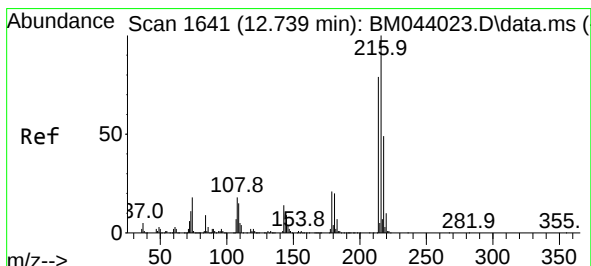
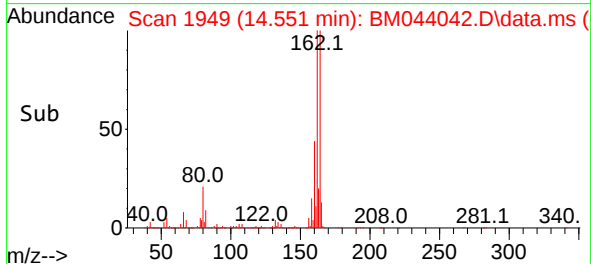
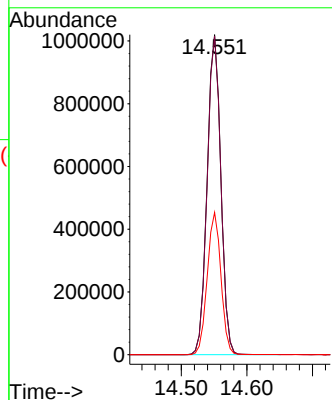
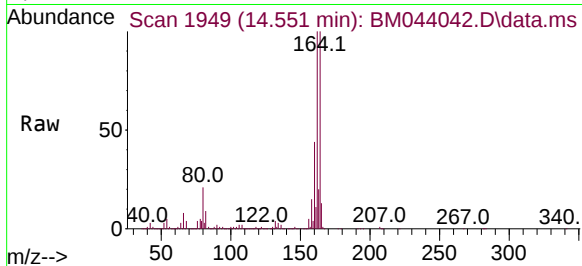




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

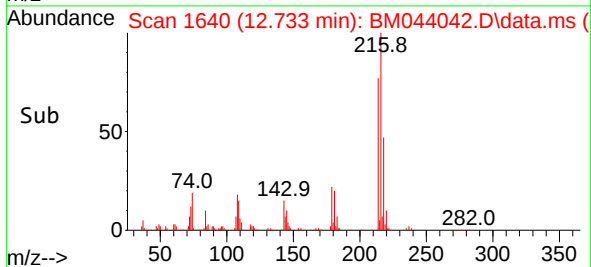
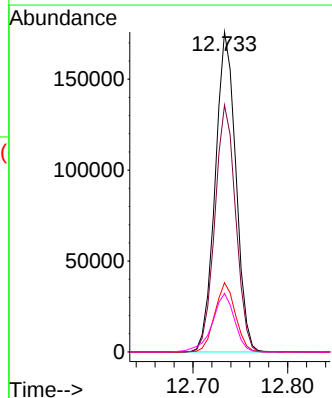
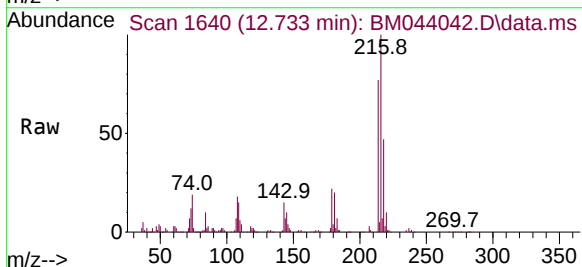
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

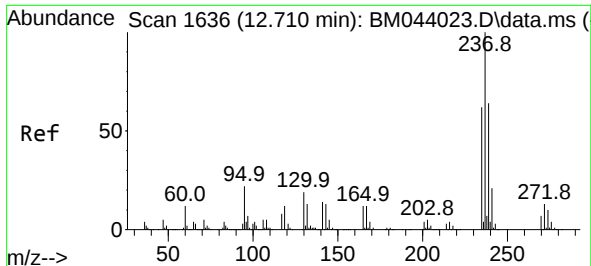
Tgt Ion:164 Resp: 1484142
Ion Ratio Lower Upper
164 100
162 99.6 78.4 117.6
160 44.5 34.6 51.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.167 ng
RT: 12.733 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

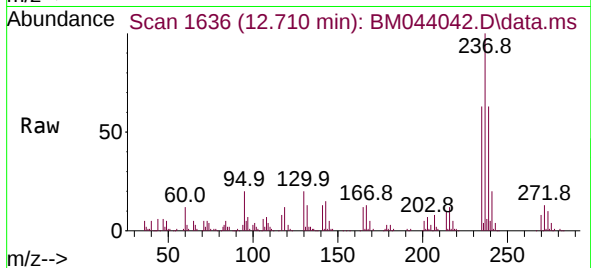
Tgt Ion:216 Resp: 266028
Ion Ratio Lower Upper
216 100
214 77.8 63.1 94.7
179 21.6 17.0 25.6
108 19.7 15.8 23.8



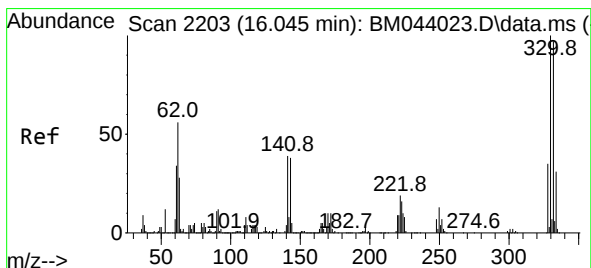
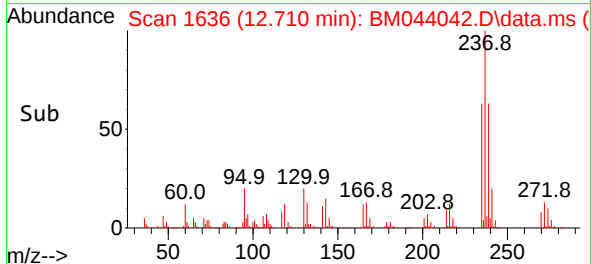
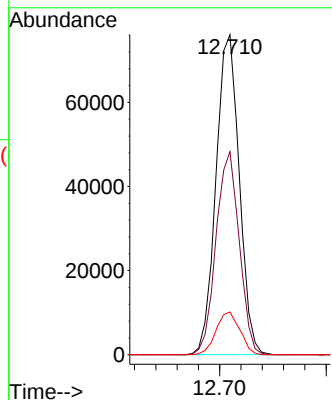


#41
Hexachlorocyclopentadiene
Concen: 6.125 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

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

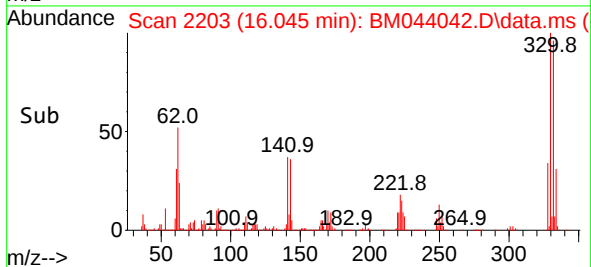
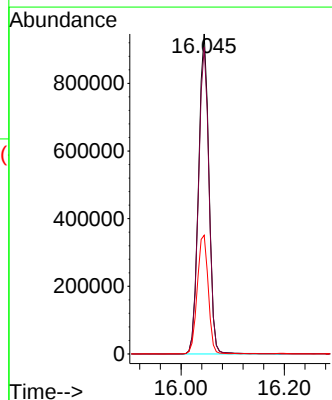
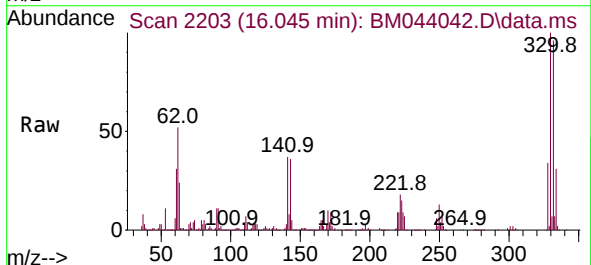


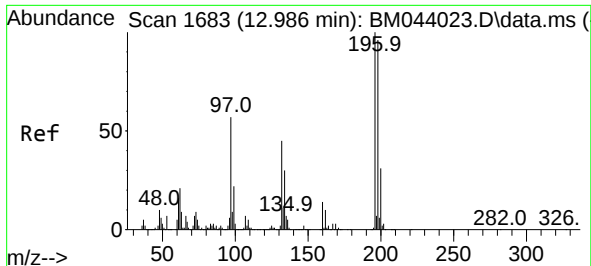
Tgt Ion:237 Resp: 115319
Ion Ratio Lower Upper
237 100
235 63.5 42.4 82.4
272 13.4 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 82.280 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:330 Resp: 1322181
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 38.8 31.0 46.4

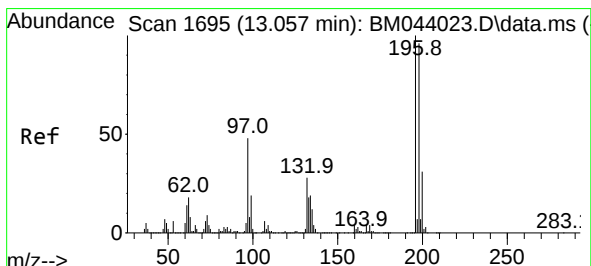
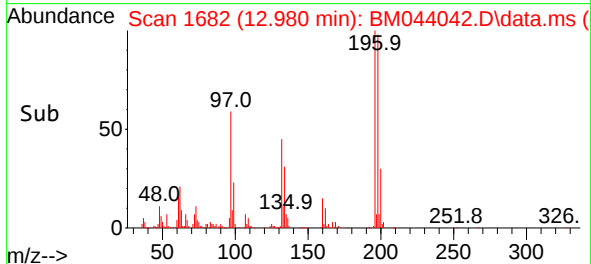
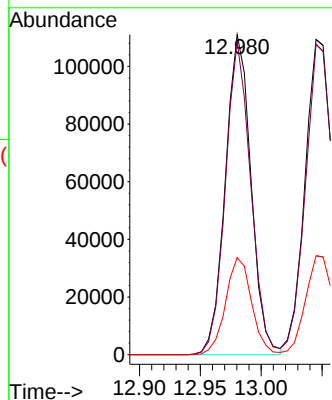
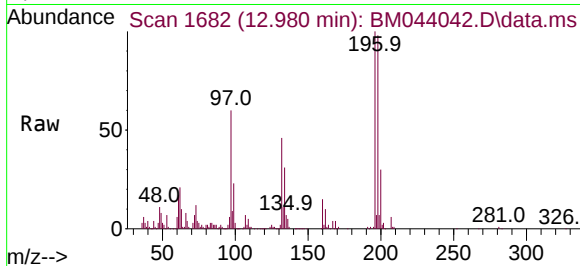




#43
2,4,6-Trichlorophenol
Concen: 5.555 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

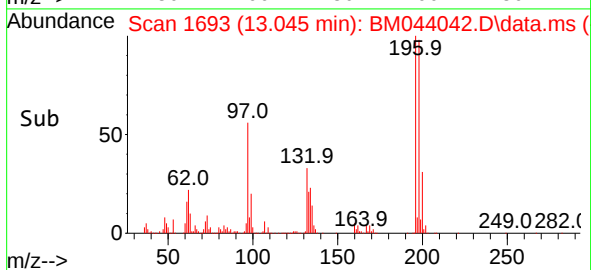
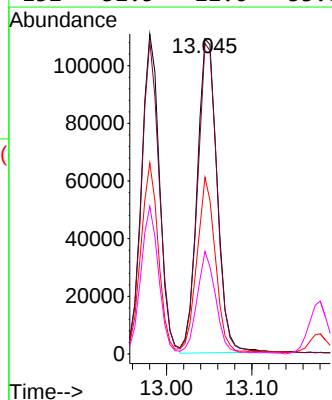
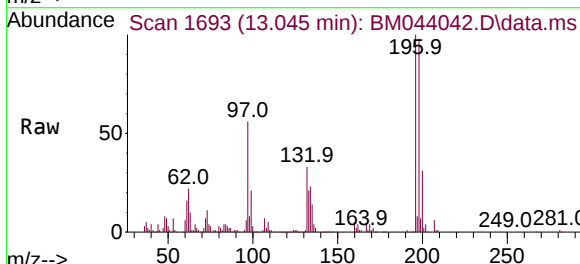
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

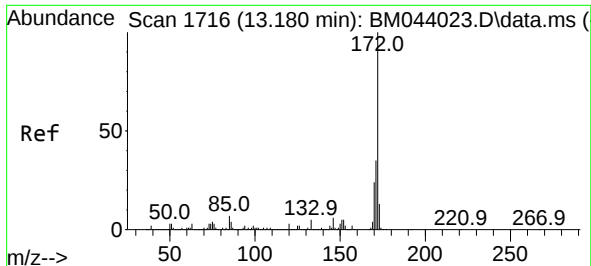
Tgt Ion:196 Resp: 163083
Ion Ratio Lower Upper
196 100
198 97.9 76.8 115.2
200 30.4 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 5.492 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:196 Resp: 176945
Ion Ratio Lower Upper
196 100
198 98.5 76.9 115.3
97 56.0 39.0 58.4
132 32.5 22.6 33.8

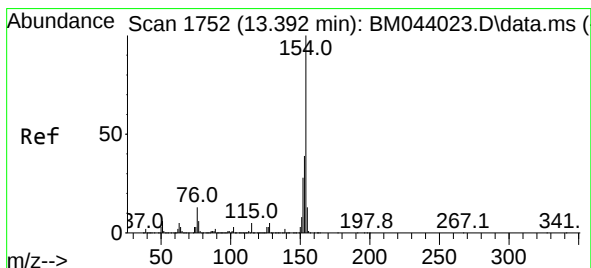
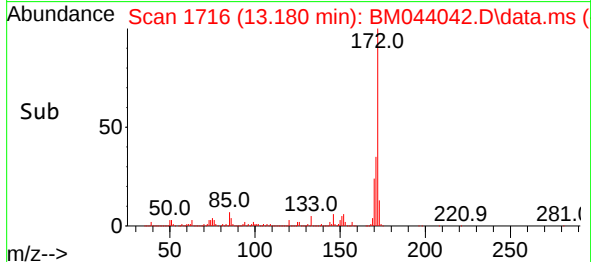
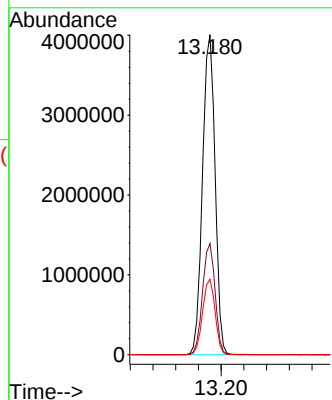
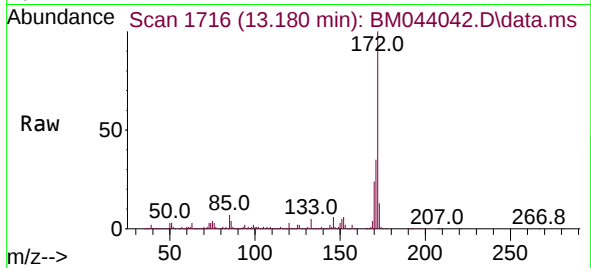




#45
2-Fluorobiphenyl
Concen: 58.567 ng
RT: 13.180 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

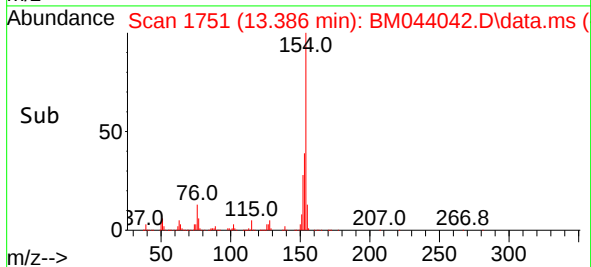
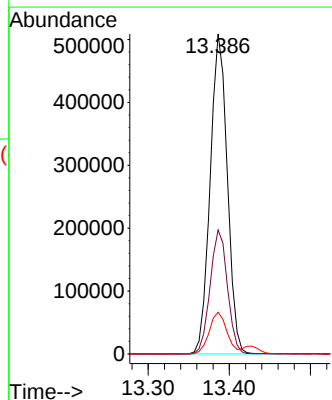
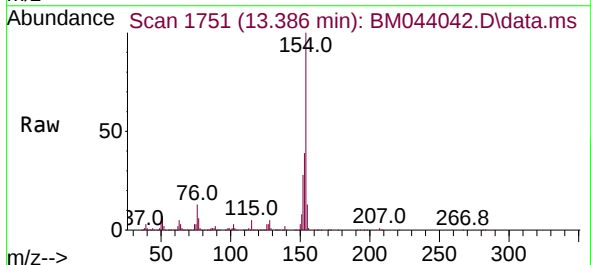
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

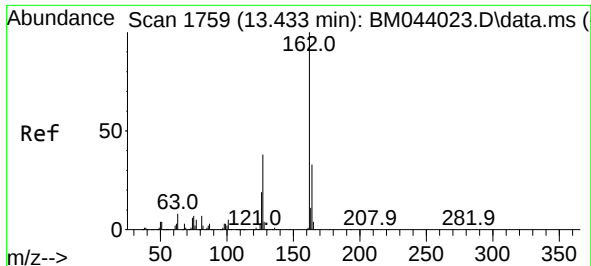
Tgt Ion:172 Resp: 6158912
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.5 19.0 28.4



#46
1,1'-Biphenyl
Concen: 6.360 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:154 Resp: 744853
Ion Ratio Lower Upper
154 100
153 38.7 19.4 59.4
76 13.1 0.0 32.9

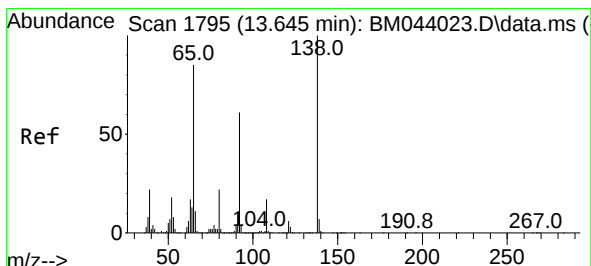
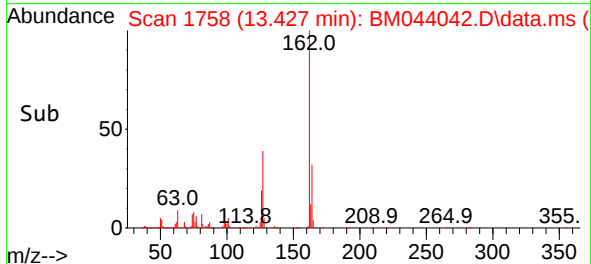
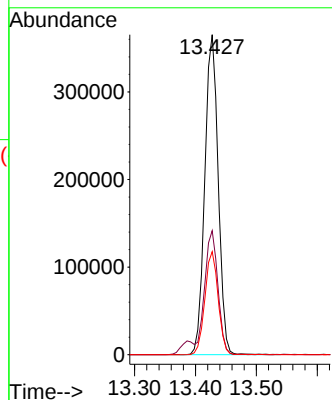
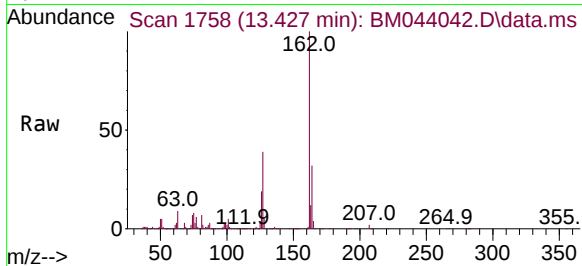




#47
2-Chloronaphthalene
Concen: 6.028 ng
RT: 13.427 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

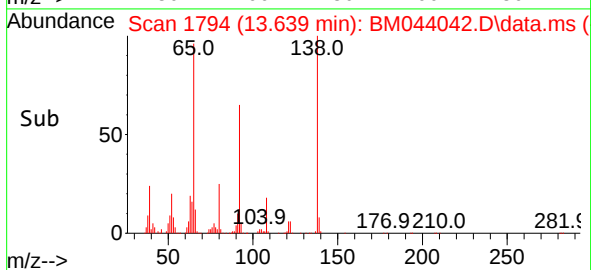
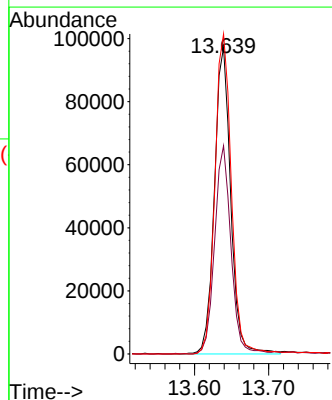
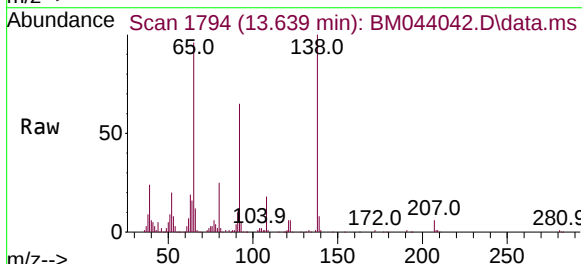
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

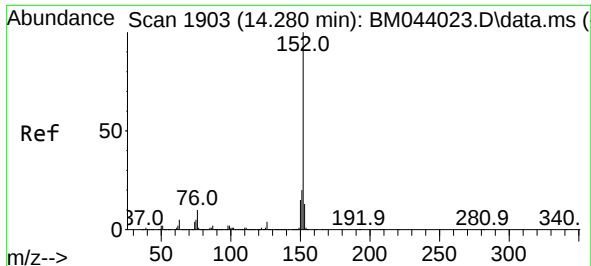
Tgt Ion:162 Resp: 559237
Ion Ratio Lower Upper
162 100
127 38.7 30.9 46.3
164 32.2 26.4 39.6



#48
2-Nitroaniline
Concen: 5.689 ng
RT: 13.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion: 65 Resp: 148471
Ion Ratio Lower Upper
65 100
92 67.9 58.1 87.1
138 104.3 94.6 142.0

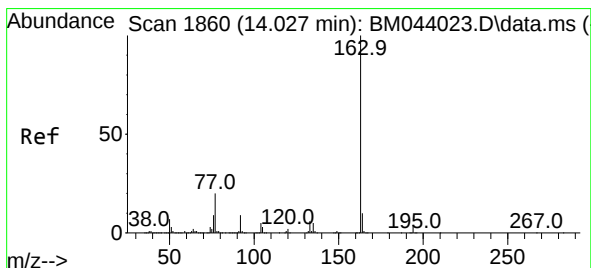
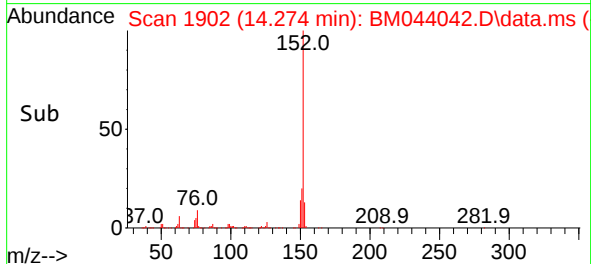
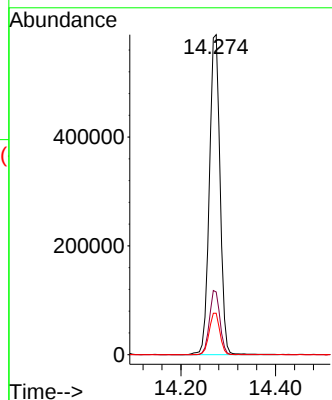
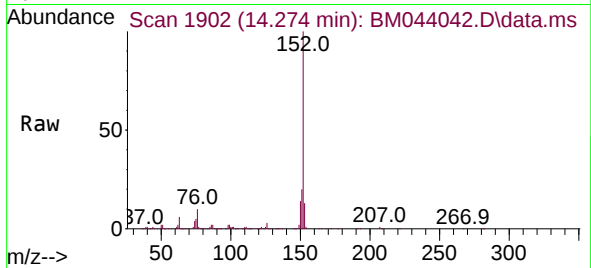




#49
Acenaphthylene
Concen: 6.628 ng
RT: 14.274 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

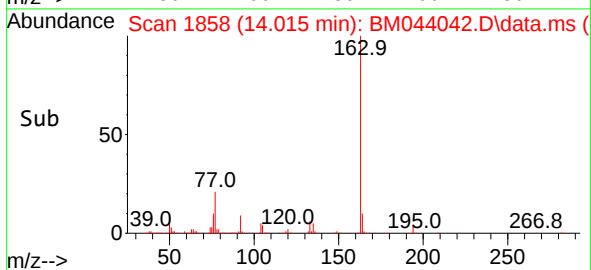
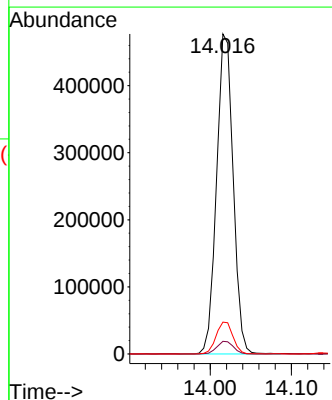
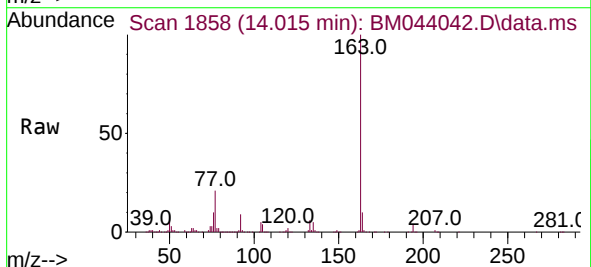
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

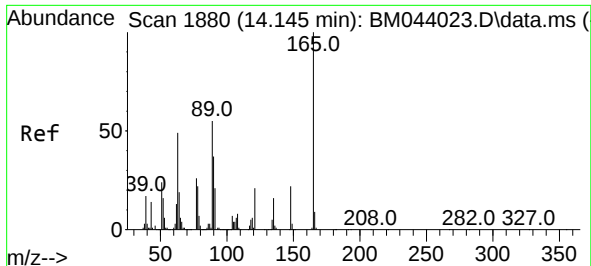
Tgt Ion:152 Resp: 917309
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 12.9 10.5 15.7



#50
Dimethylphthalate
Concen: 6.161 ng
RT: 14.015 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:163 Resp: 678006
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.9 8.2 12.2

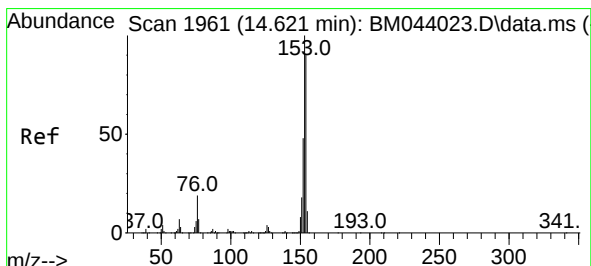
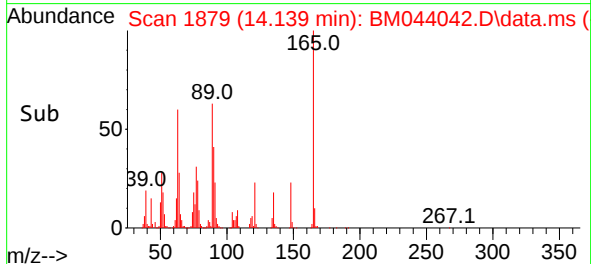
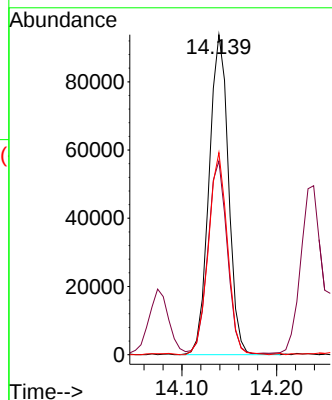
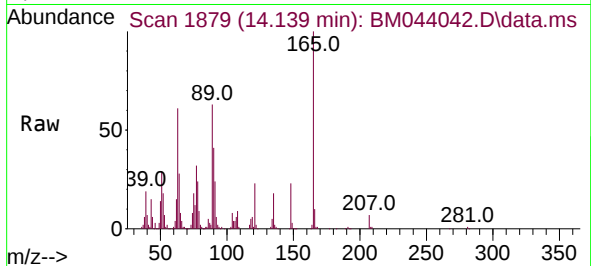




#51
2,6-Dinitrotoluene
Concen: 5.491 ng
RT: 14.139 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

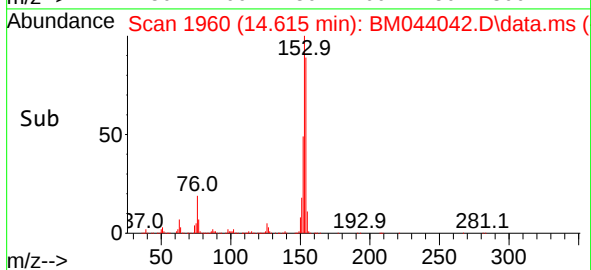
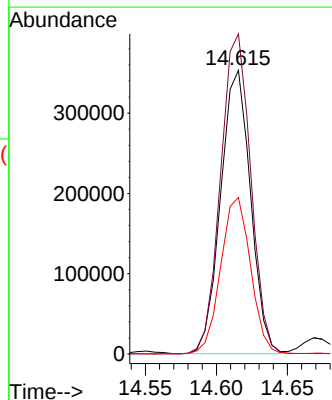
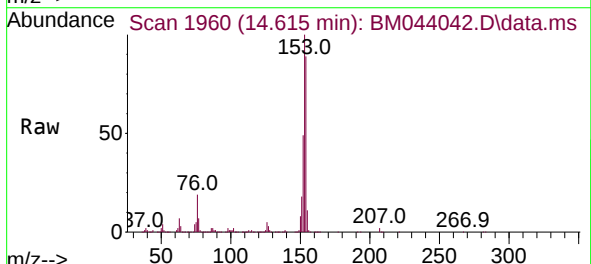
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

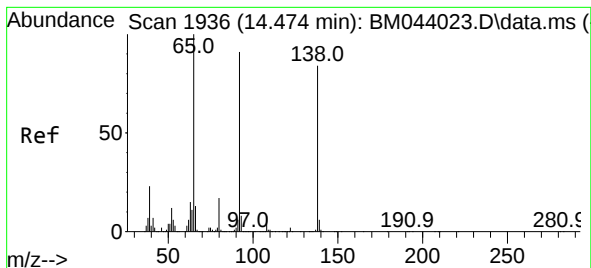
Tgt Ion:165 Resp: 133314
Ion Ratio Lower Upper
165 100
63 60.5 43.5 65.3
89 63.1 44.4 66.6



#52
Acenaphthene
Concen: 6.039 ng
RT: 14.615 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:154 Resp: 517277
Ion Ratio Lower Upper
154 100
153 112.8 89.3 133.9
152 55.1 43.0 64.6

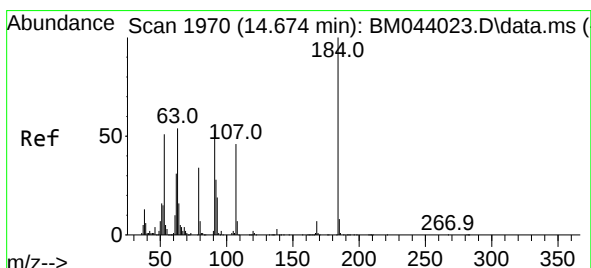
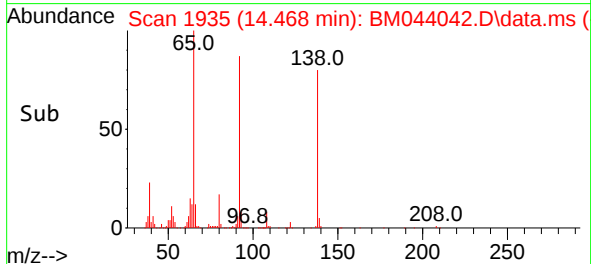
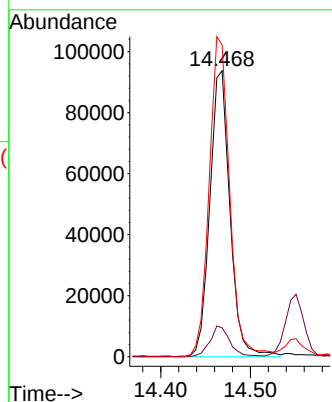
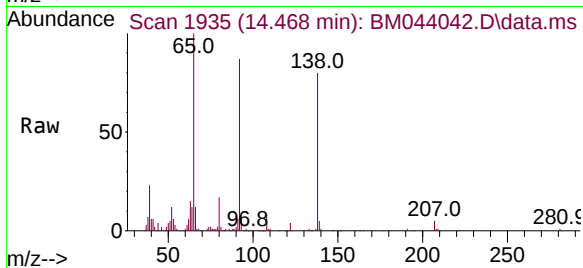




#53
3-Nitroaniline
Concen: 5.592 ng
RT: 14.468 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

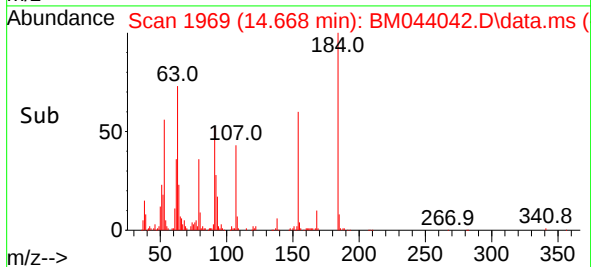
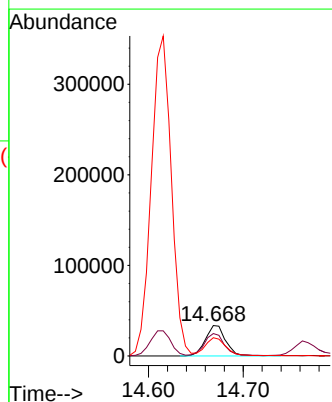
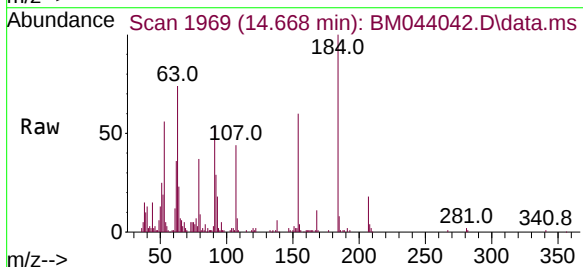
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

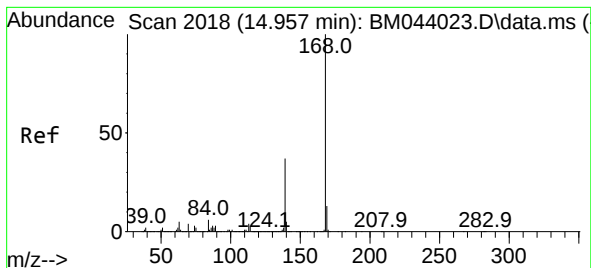
Tgt Ion:138 Resp: 145913
Ion Ratio Lower Upper
138 100
108 10.1 7.6 11.4
92 109.0 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 8.775 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:184 Resp: 49939
Ion Ratio Lower Upper
184 100
63 74.0 55.4 83.2
154 60.1 49.2 73.8





#55

Dibenzenofuran

Concen: 6.426 ng

RT: 14.951 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

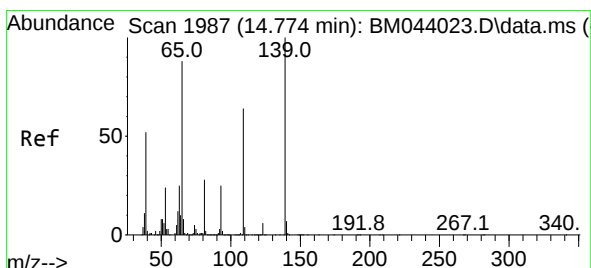
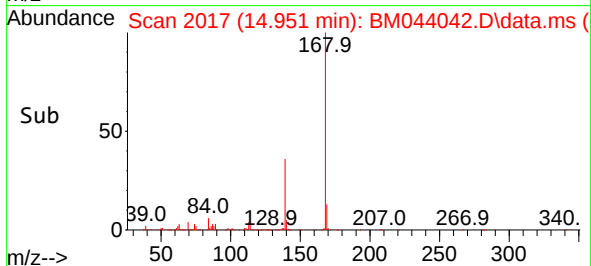
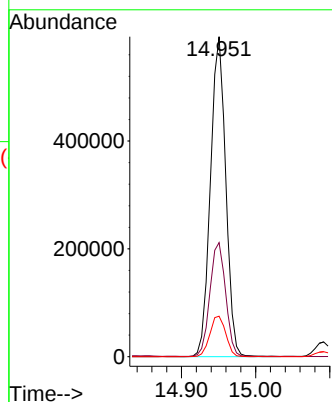
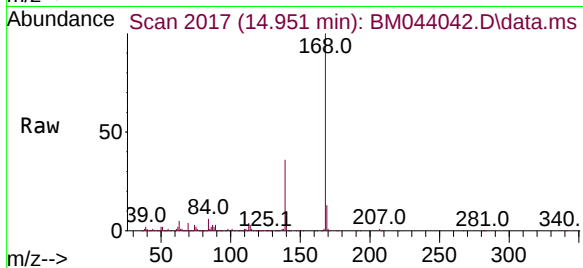
Tgt Ion:168 Resp: 851951

Ion Ratio Lower Upper

168 100

139 35.7 29.6 44.4

169 12.7 10.5 15.7



#56

4-Nitrophenol

Concen: 5.018 ng

RT: 14.763 min Scan# 1985

Delta R.T. -0.012 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

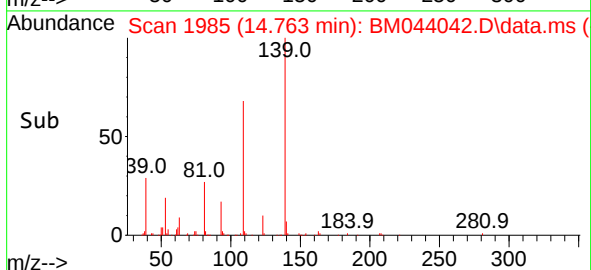
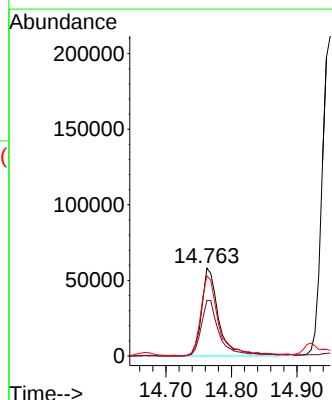
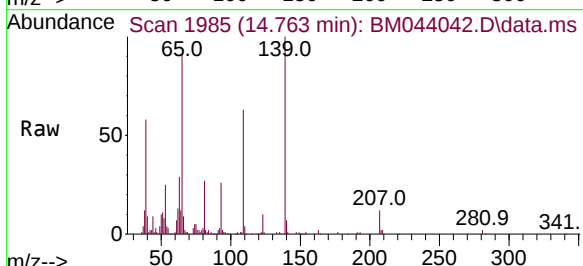
Tgt Ion:139 Resp: 106437

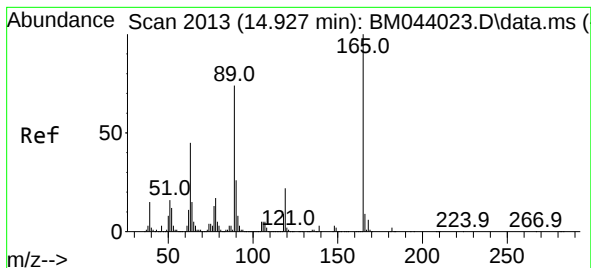
Ion Ratio Lower Upper

139 100

109 63.3 43.8 83.8

65 91.2 67.7 107.7

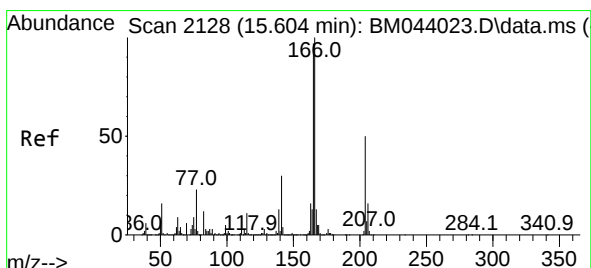
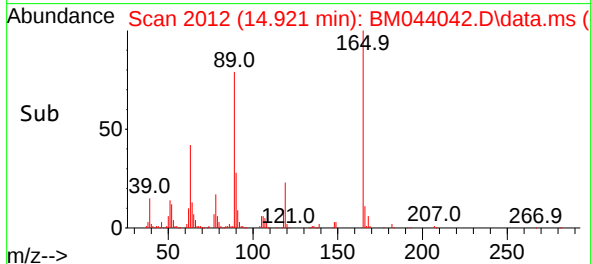
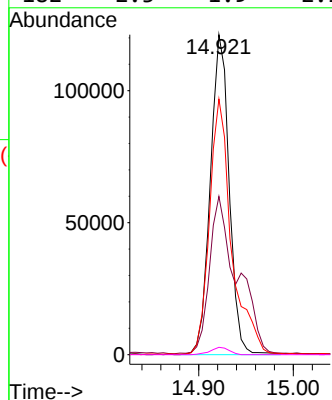
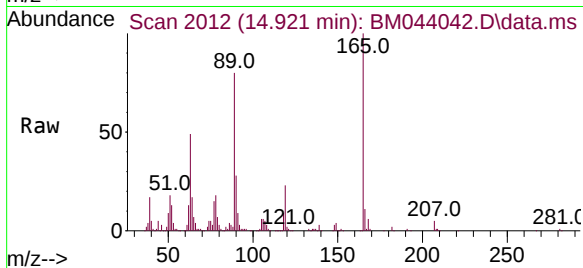




#57
2,4-Dinitrotoluene
Concen: 5.292 ng
RT: 14.921 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

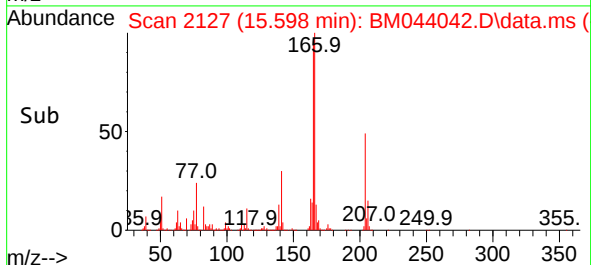
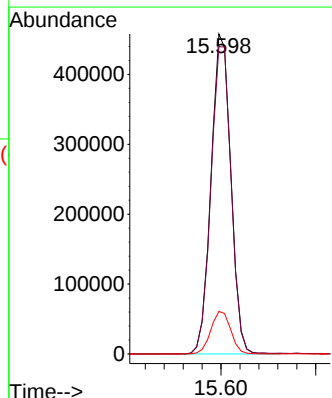
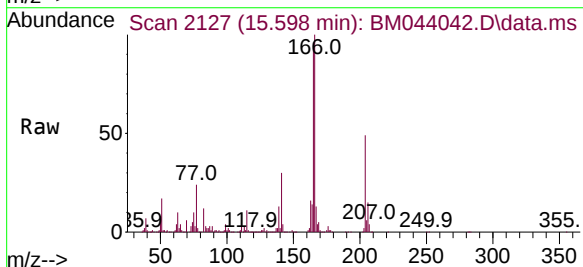
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

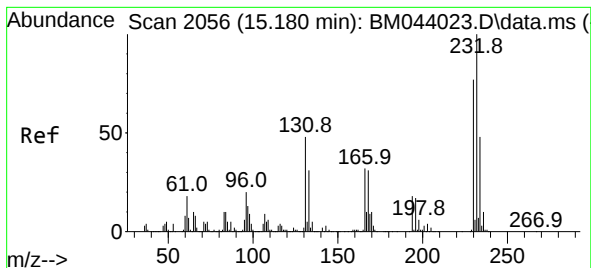
Tgt Ion:	165	Resp:	167936
Ion	Ratio	Lower	Upper
165	100		
63	49.4	35.9	53.9
89	79.9	58.9	88.3
182	2.3	1.9	2.9



#58
Fluorene
Concen: 6.471 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:	166	Resp:	662949
Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.7	116.5
167	13.3	10.7	16.1

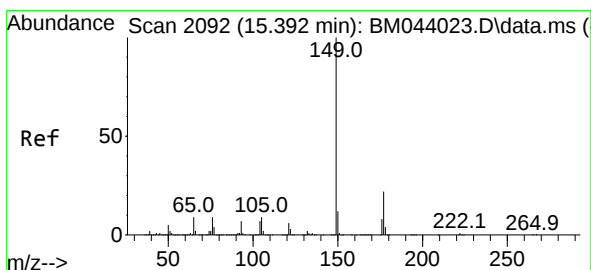
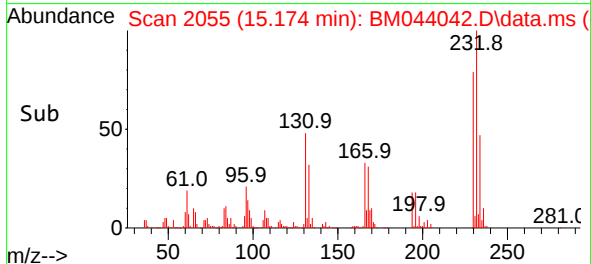
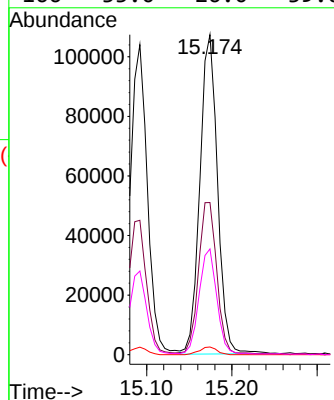
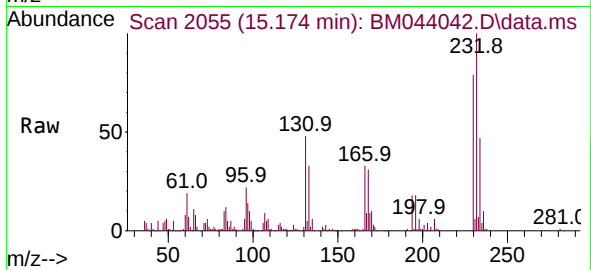




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.105 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

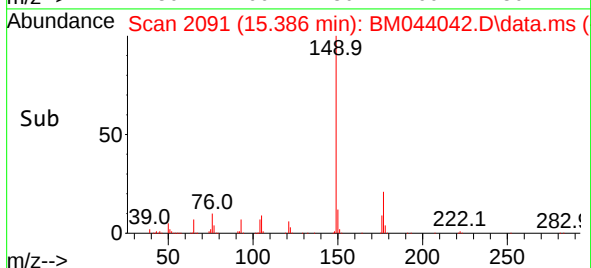
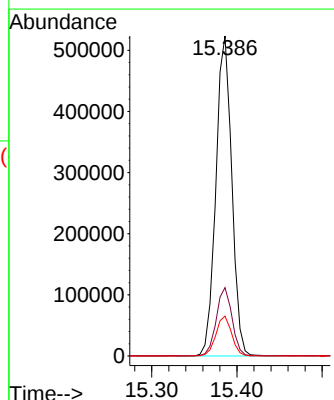
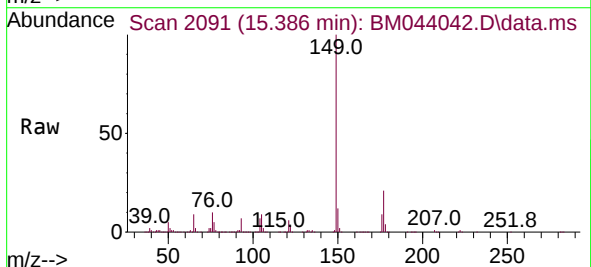
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

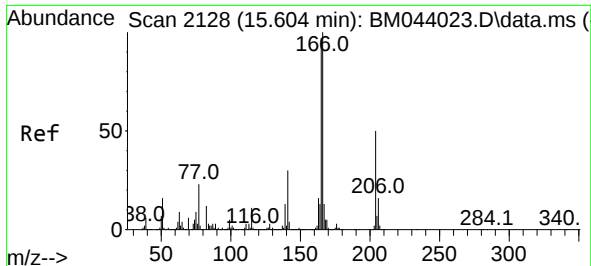
Tgt Ion:232 Resp: 154349
Ion Ratio Lower Upper
232 100
131 49.0 39.5 59.3
130 2.4 2.0 3.0
166 33.0 26.0 39.0



#60
Diethylphthalate
Concen: 5.962 ng
RT: 15.386 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:149 Resp: 678003
Ion Ratio Lower Upper
149 100
177 21.4 17.5 26.3
150 12.4 9.8 14.6

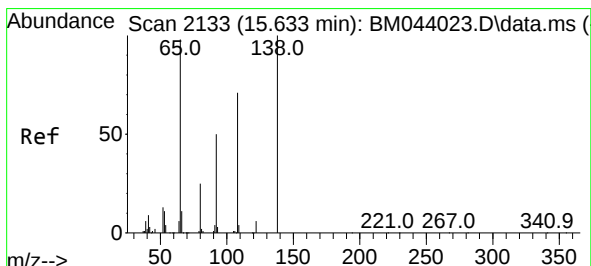
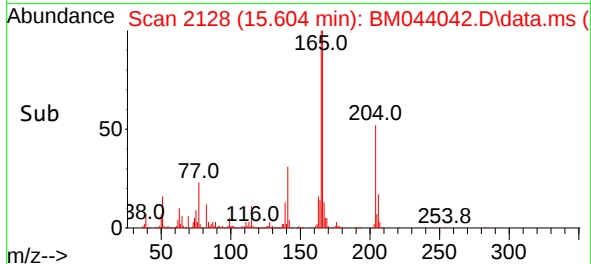
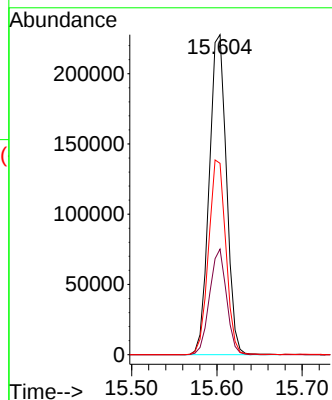
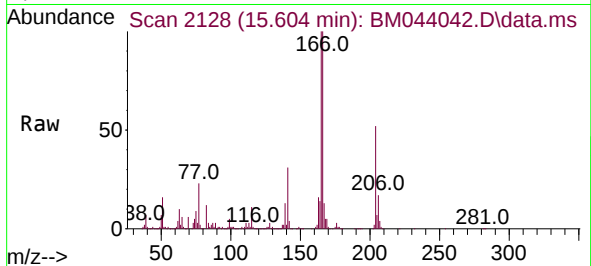




#61
4-Chlorophenyl-phenylether
Concen: 6.452 ng
RT: 15.604 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

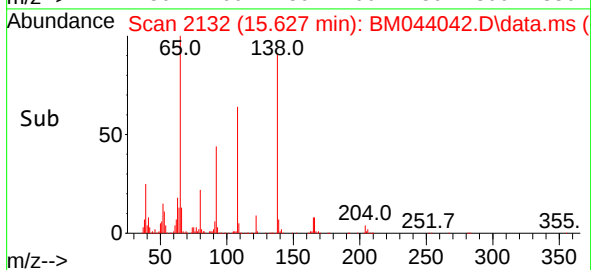
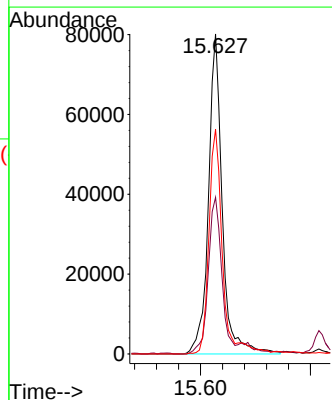
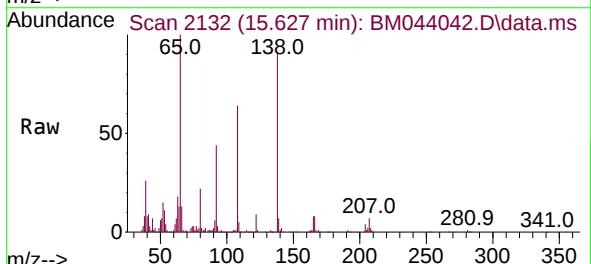
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

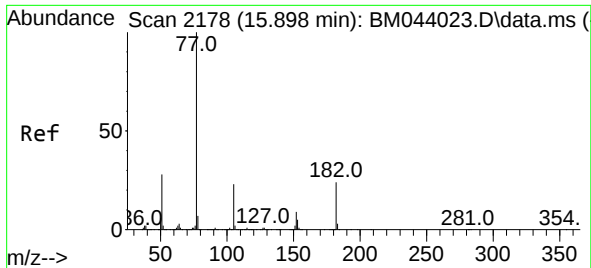
Tgt Ion:204 Resp: 320280
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 59.8 47.7 71.5



#62
4-Nitroaniline
Concen: 5.322 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:138 Resp: 139772
Ion Ratio Lower Upper
138 100
92 48.9 29.6 69.6
108 70.2 47.8 87.8

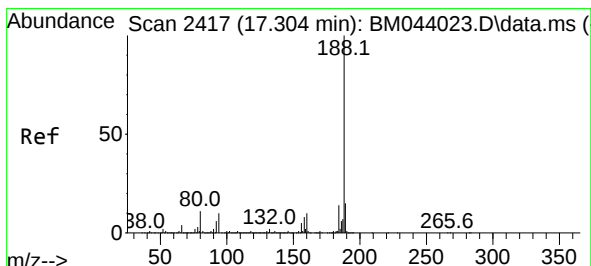
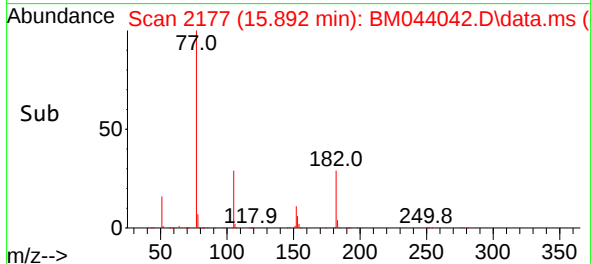
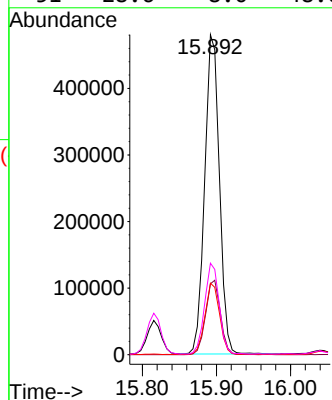
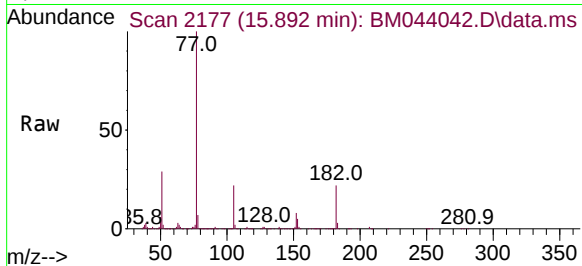




#63
 Azobenzene
 Concen: 6.197 ng
 RT: 15.892 min Scan# 2177
 Delta R.T. -0.006 min
 Lab File: BM044042.D
 Acq: 09 Feb 2024 16:42

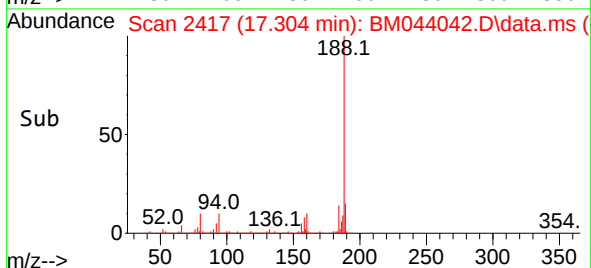
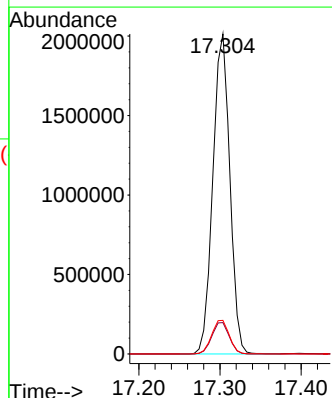
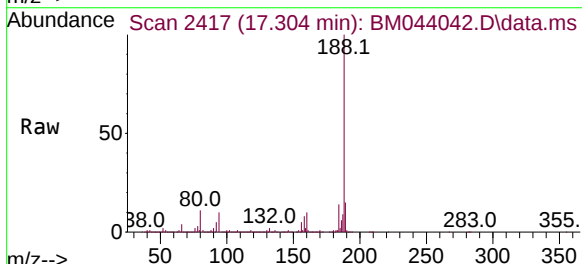
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

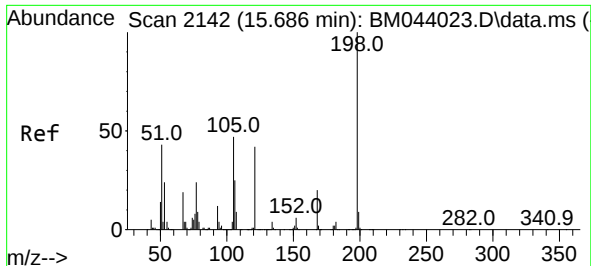
Tgt Ion:	77	Resp:	661154
Ion	Ratio	Lower	Upper
77	100		
182	22.2	4.0	44.0
105	22.4	3.3	43.3
51	28.6	8.0	48.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.304 min Scan# 2417
 Delta R.T. -0.000 min
 Lab File: BM044042.D
 Acq: 09 Feb 2024 16:42

Tgt Ion:	188	Resp:	2922094
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.5	8.8	13.2

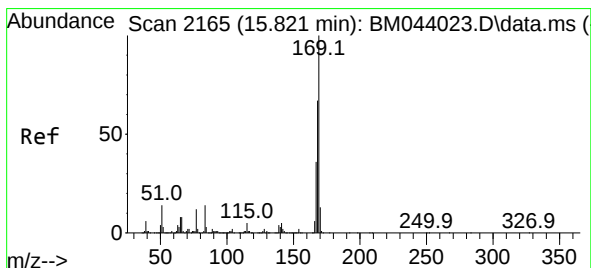
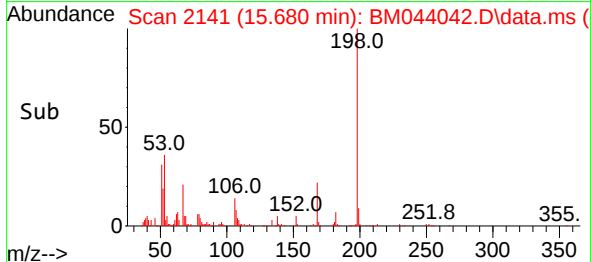
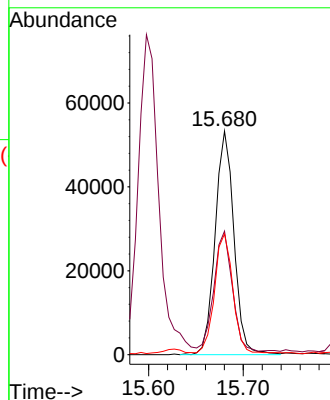
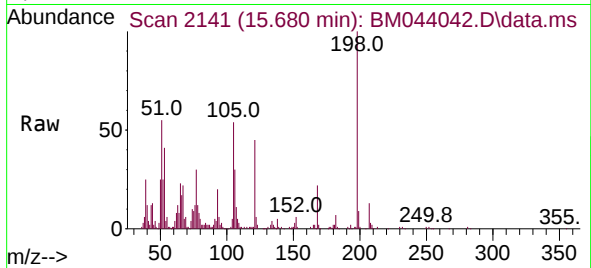




#65
4,6-Dinitro-2-methylphenol
Concen: 4.236 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

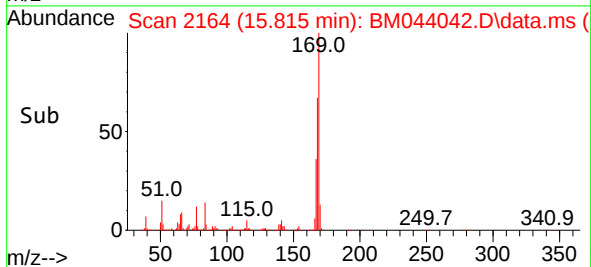
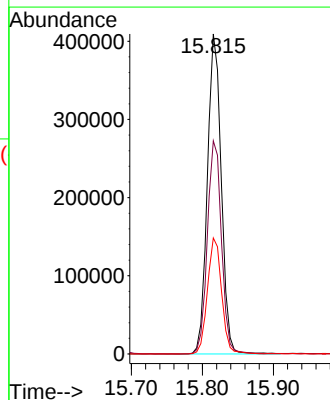
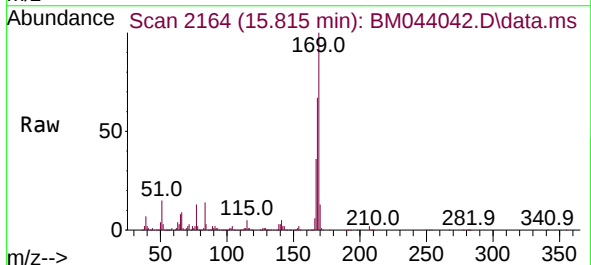
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

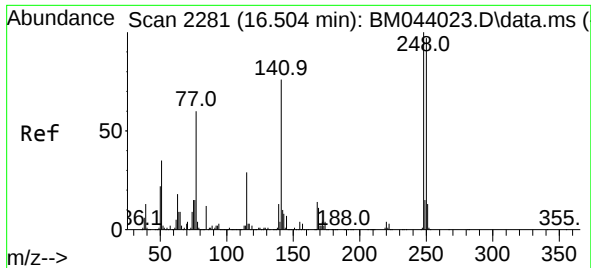
Tgt Ion:198 Resp: 73765
Ion Ratio Lower Upper
198 100
51 55.2 29.9 69.9
105 54.0 28.7 68.7



#66
n-Nitrosodiphenylamine
Concen: 6.276 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:169 Resp: 557144
Ion Ratio Lower Upper
169 100
168 66.6 53.8 80.8
167 36.3 29.2 43.8

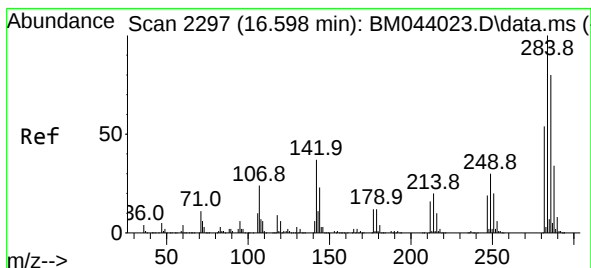
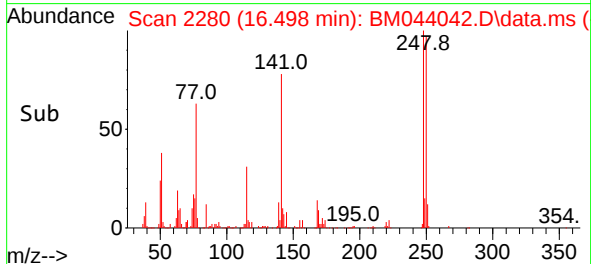
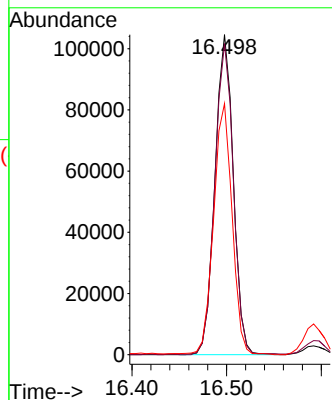
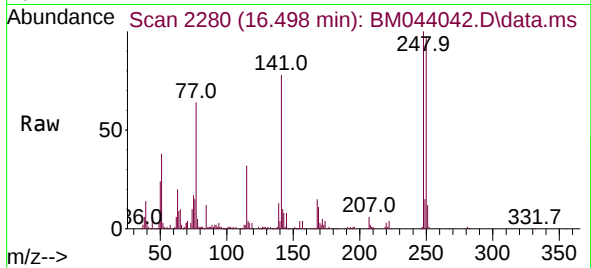




#67
4-Bromophenyl-phenylether
Concen: 4.880 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

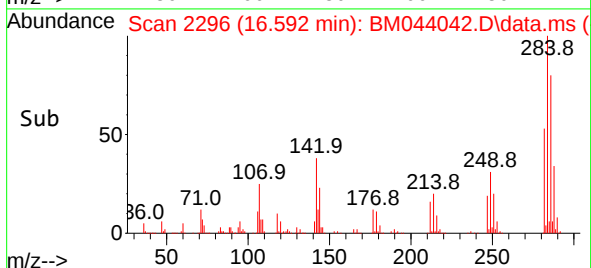
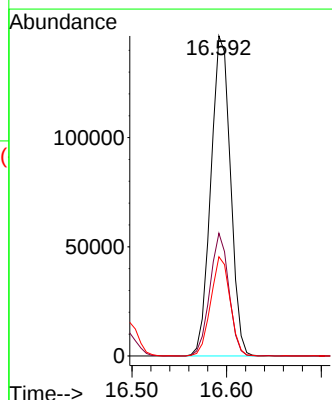
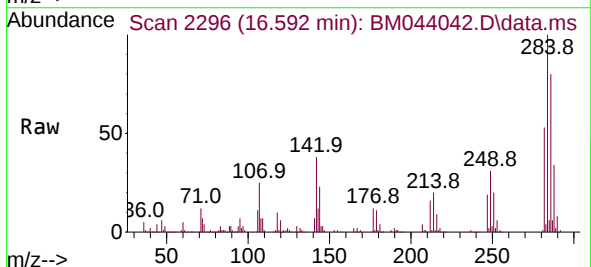
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

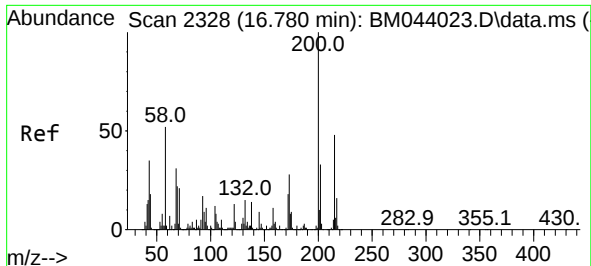
Tgt Ion:248 Resp: 140981
Ion Ratio Lower Upper
248 100
250 97.2 77.4 116.2
141 78.4 61.0 91.6



#68
Hexachlorobenzene
Concen: 5.951 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:284 Resp: 210608
Ion Ratio Lower Upper
284 100
142 38.3 30.0 45.0
249 31.0 24.1 36.1

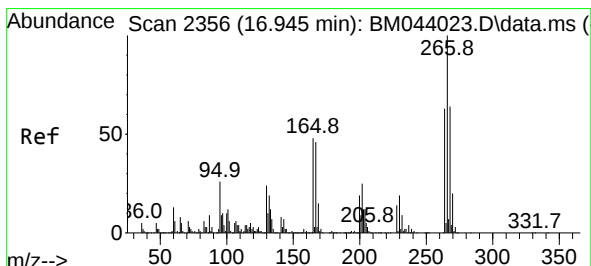
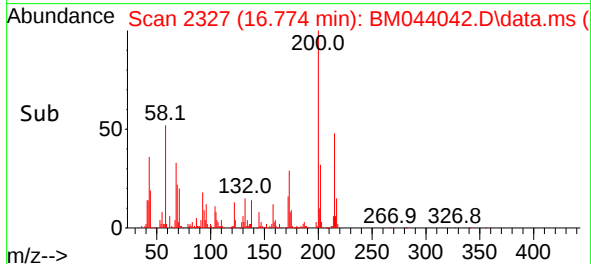
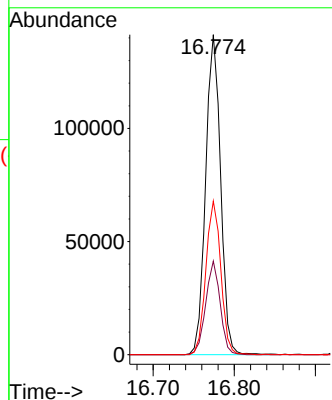
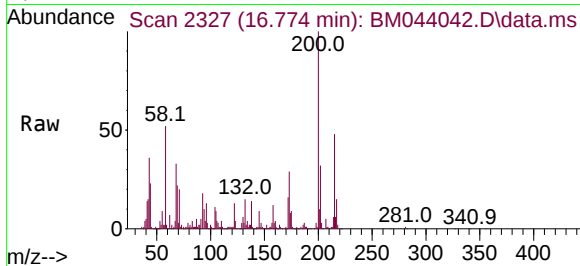




#69
Atrazine
Concen: 7.508 ng
RT: 16.774 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

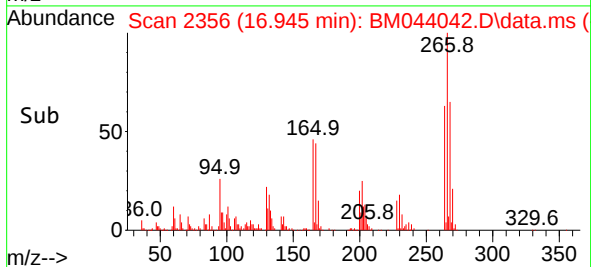
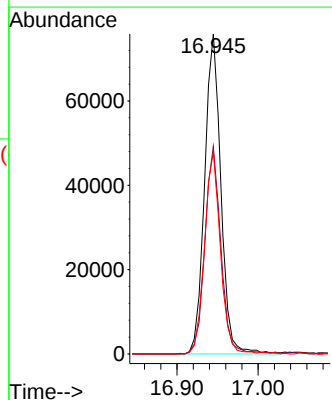
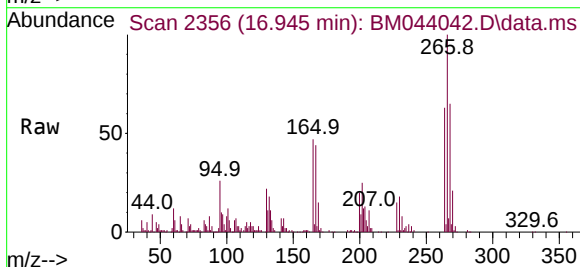
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

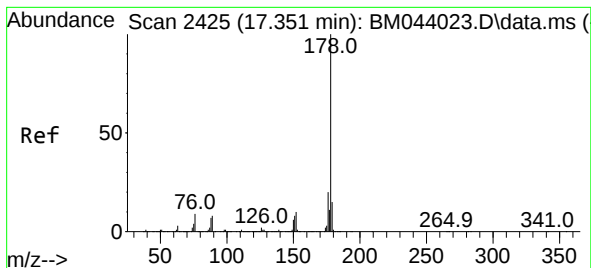
Tgt Ion:200 Resp: 180481
Ion Ratio Lower Upper
200 100
173 29.3 7.9 47.9
215 48.0 27.9 67.9



#70
Pentachlorophenol
Concen: 4.592 ng
RT: 16.945 min Scan# 2356
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:266 Resp: 105717
Ion Ratio Lower Upper
266 100
268 64.9 51.1 76.7
264 63.1 50.5 75.7





#71

Phenanthrene

Concen: 6.474 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

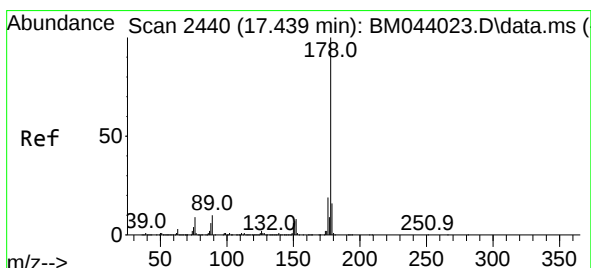
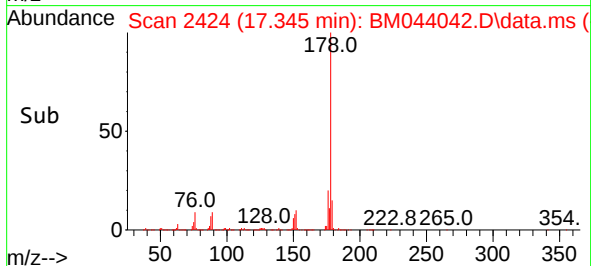
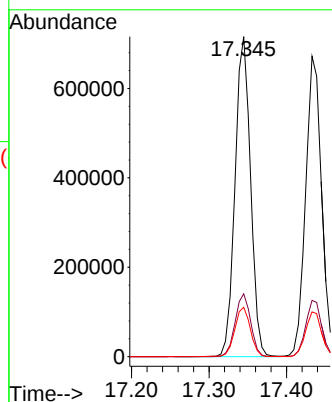
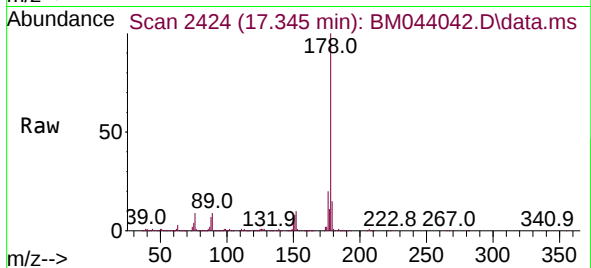
Tgt Ion:178 Resp: 998912

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 15.5 12.2 18.4



#72

Anthracene

Concen: 6.351 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

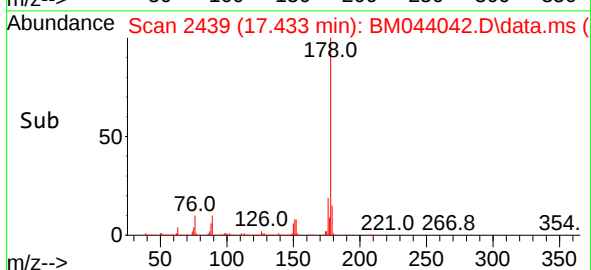
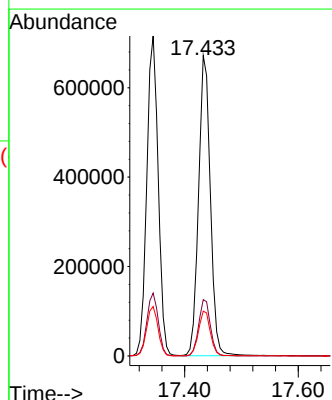
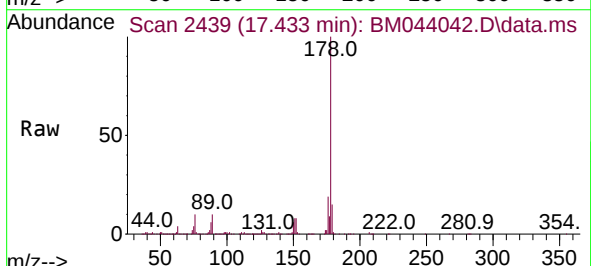
Tgt Ion:178 Resp: 970126

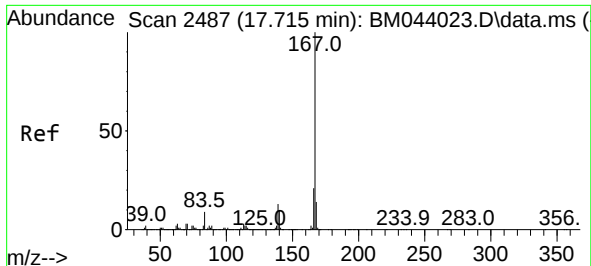
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 14.9 12.4 18.6

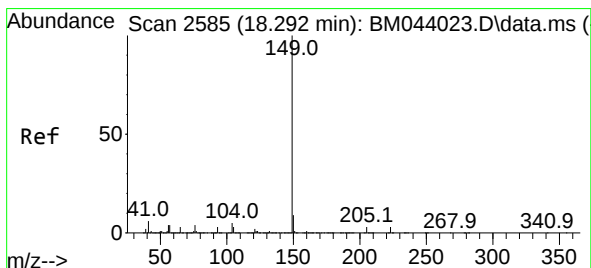
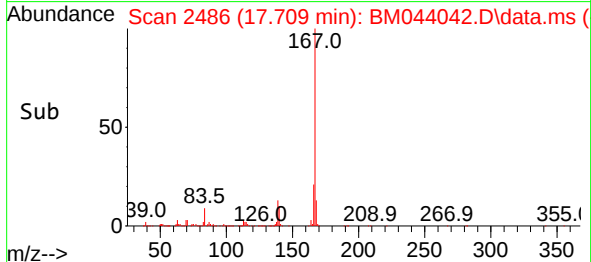
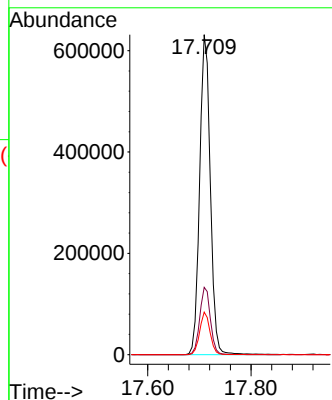
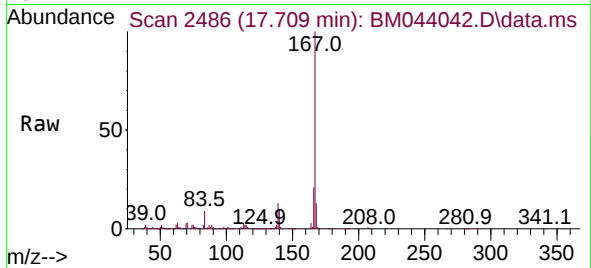




#73
Carbazole
Concen: 6.077 ng
RT: 17.709 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

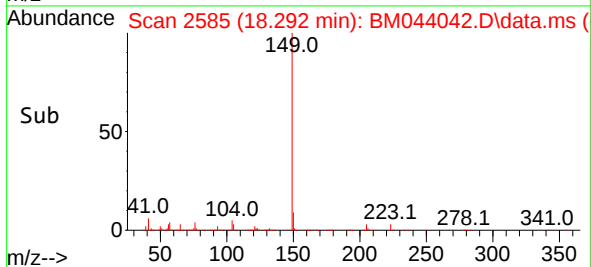
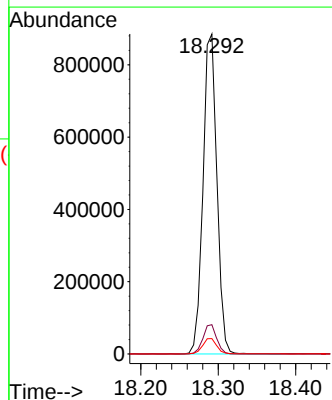
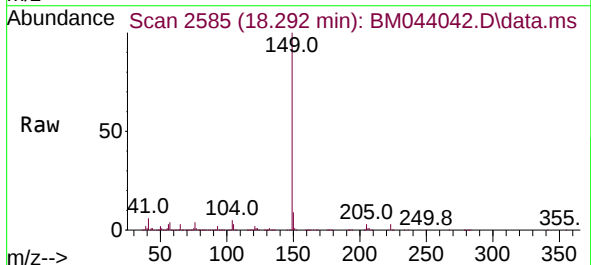
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

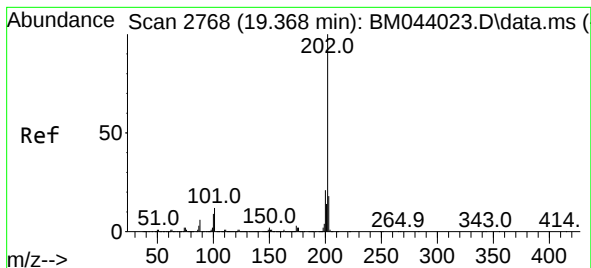
Tgt Ion:167 Resp: 902831
Ion Ratio Lower Upper
167 100
166 21.1 16.8 25.2
139 13.3 10.4 15.6



#74
Di-n-butylphthalate
Concen: 5.699 ng
RT: 18.292 min Scan# 2585
Delta R.T. 0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:149 Resp: 1100578
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.8 3.8 5.6





#75

Fluoranthene

Concen: 6.042 ng

RT: 19.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

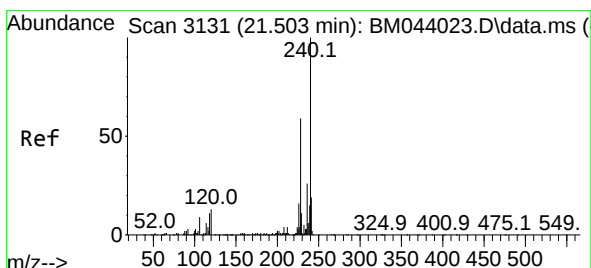
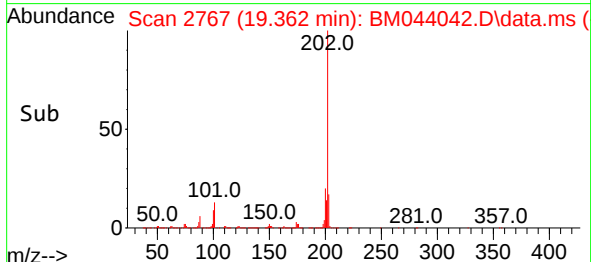
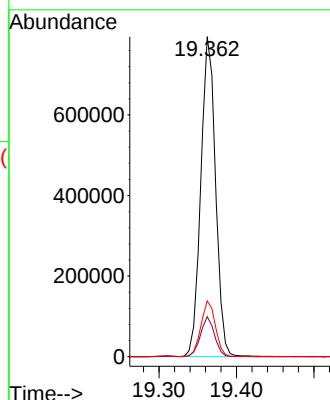
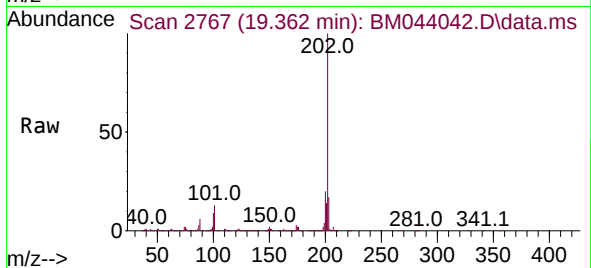
Tgt Ion:202 Resp: 1047253

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.4

203 17.5 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: BM044042.D

Acq: 09 Feb 2024 16:42

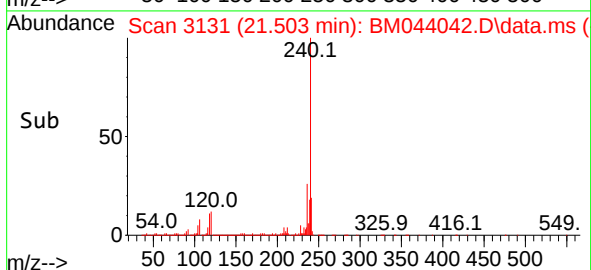
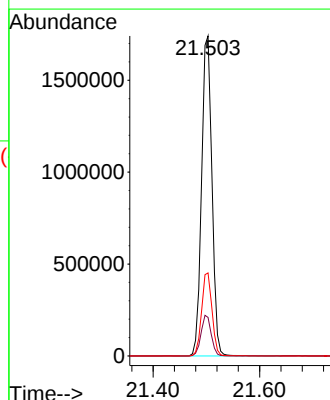
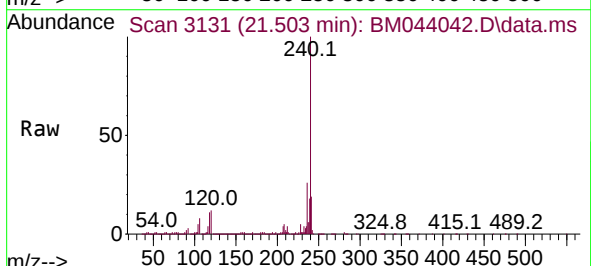
Tgt Ion:240 Resp: 2350765

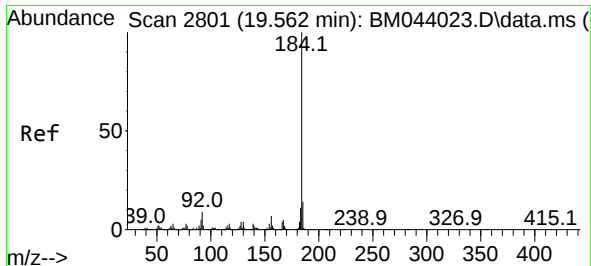
Ion Ratio Lower Upper

240 100

120 12.0 10.1 15.1

236 25.9 20.6 31.0

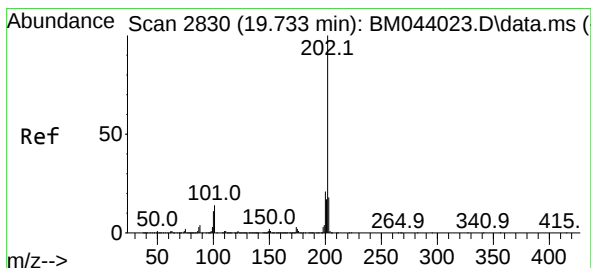
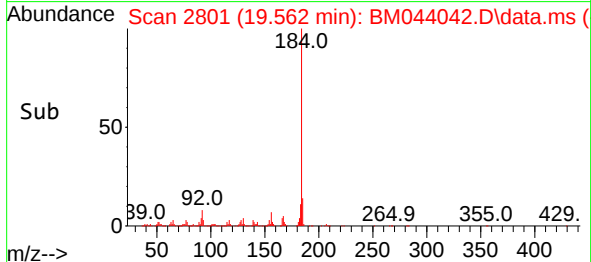
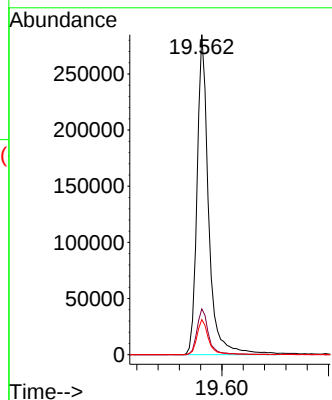
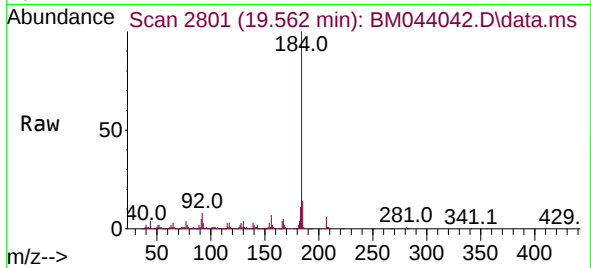




#77
Benzidine
Concen: 11.767 ng
RT: 19.562 min Scan# 2801
Delta R.T. -0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

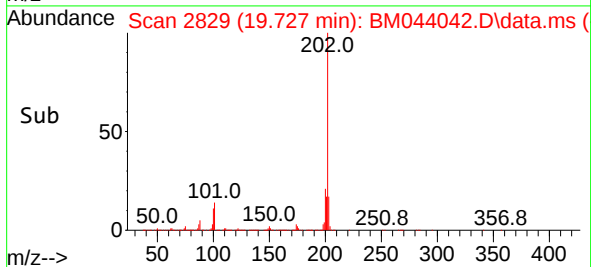
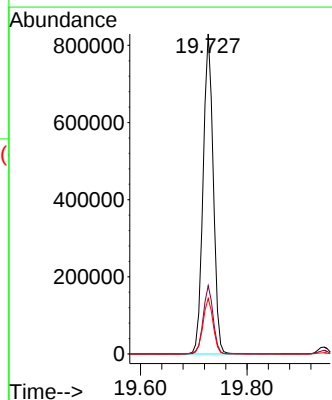
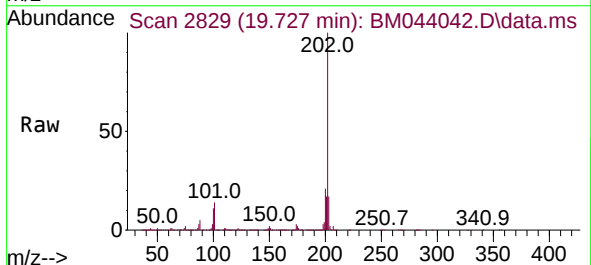
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

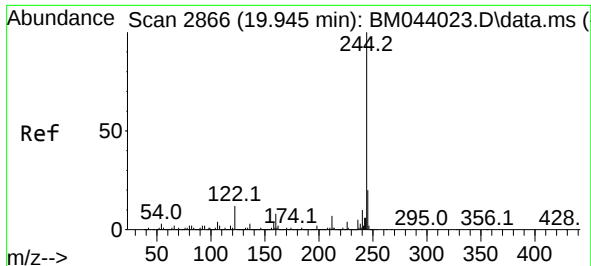
Tgt Ion:184 Resp: 429887
Ion Ratio Lower Upper
184 100
185 14.3 11.0 16.6
183 11.0 9.0 13.4



#78
Pyrene
Concen: 6.055 ng
RT: 19.727 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:202 Resp: 1096272
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.3 14.0 21.0

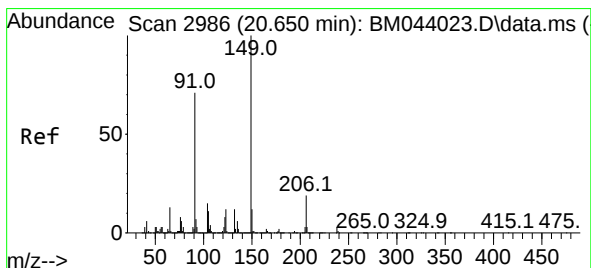
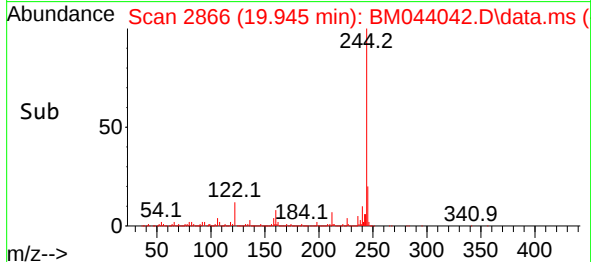
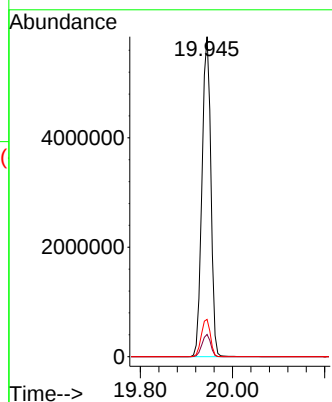
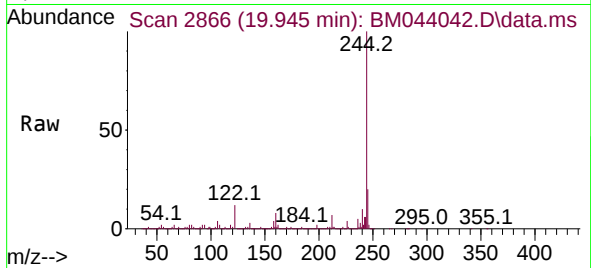




#79
 Terphenyl-d14
 Concen: 58.346 ng
 RT: 19.945 min Scan# 2866
 Delta R.T. 0.000 min
 Lab File: BM044042.D
 Acq: 09 Feb 2024 16:42

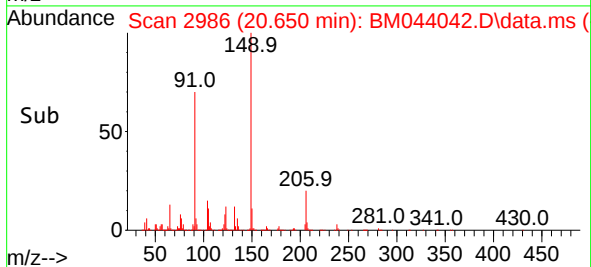
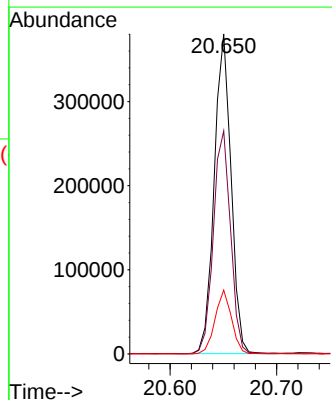
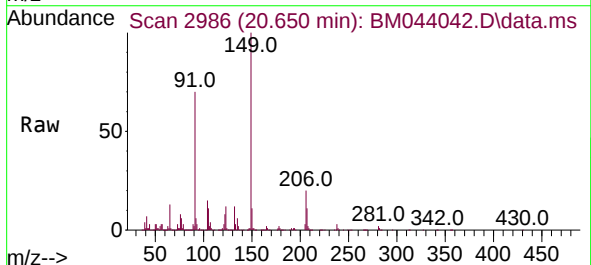
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

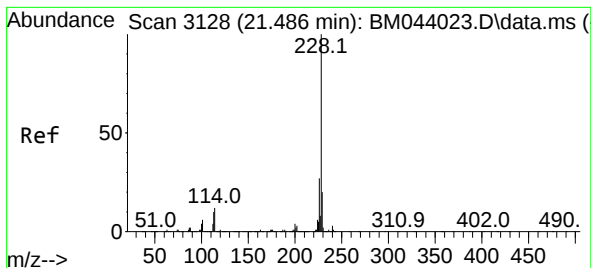
Tgt Ion:244 Resp: 7824071
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.6 9.5 14.3



#80
 Butylbenzylphthalate
 Concen: 5.169 ng
 RT: 20.650 min Scan# 2986
 Delta R.T. -0.000 min
 Lab File: BM044042.D
 Acq: 09 Feb 2024 16:42

Tgt Ion:149 Resp: 415982
 Ion Ratio Lower Upper
 149 100
 91 69.7 56.8 85.2
 206 20.0 15.0 22.6





#81

Benzo(a)anthracene

Concen: 6.167 ng

RT: 21.486 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

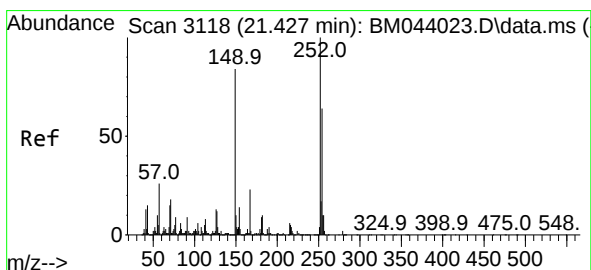
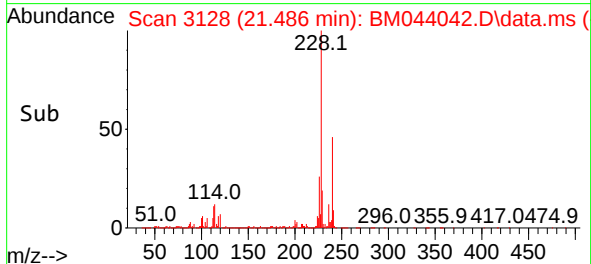
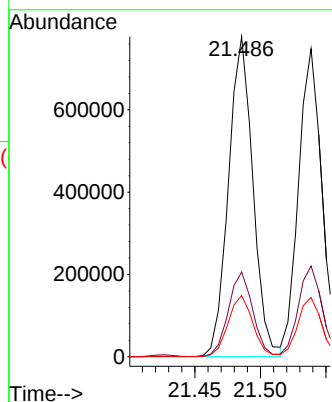
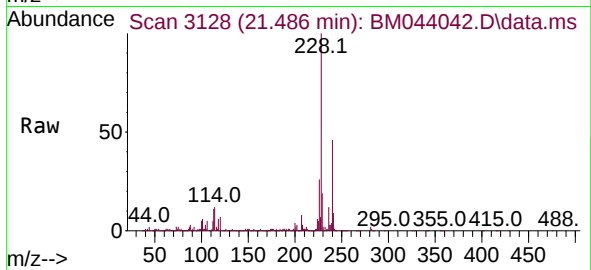
Tgt Ion:228 Resp: 1008470

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

229 19.1 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 6.246 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

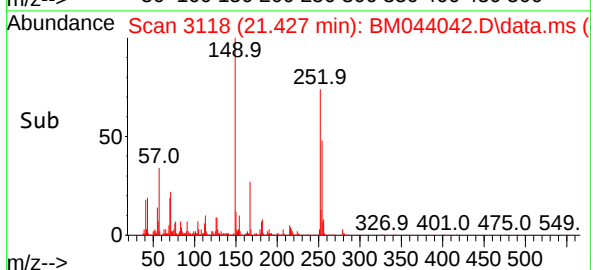
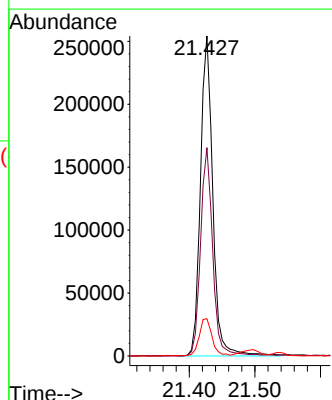
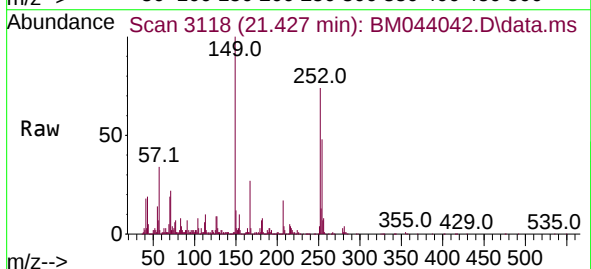
Tgt Ion:252 Resp: 335099

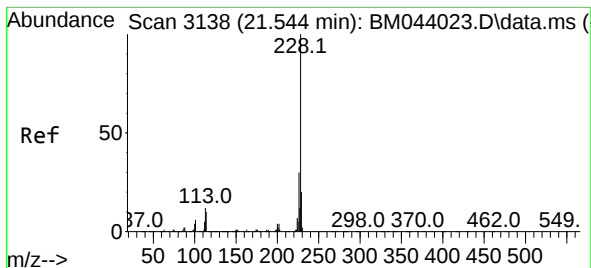
Ion Ratio Lower Upper

252 100

254 65.1 51.2 76.8

126 11.7 10.2 15.4





#83

Chrysene

Concen: 5.992 ng

RT: 21.539 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

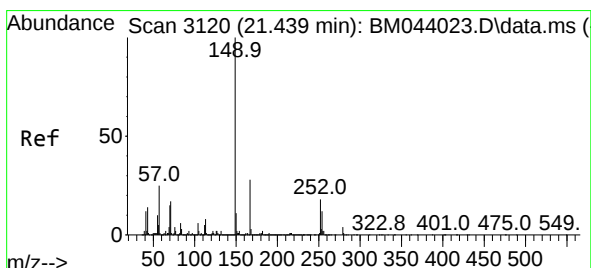
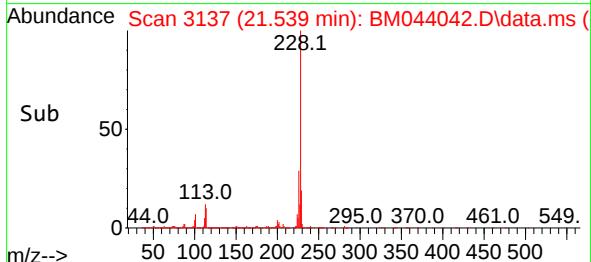
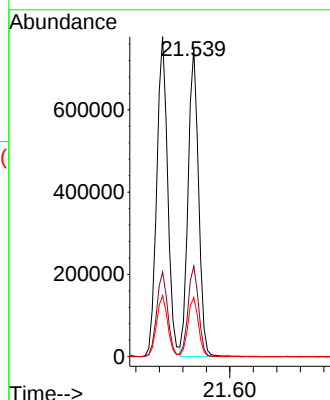
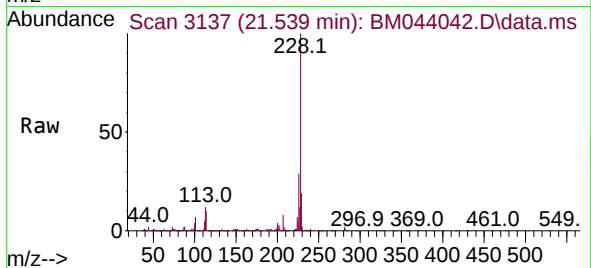
Tgt Ion:228 Resp: 925701

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

229 19.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.441 ng

RT: 21.433 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

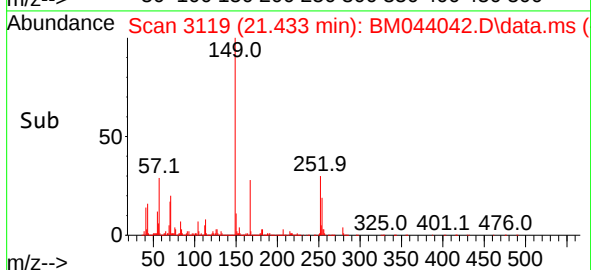
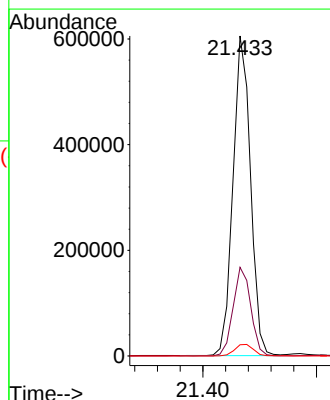
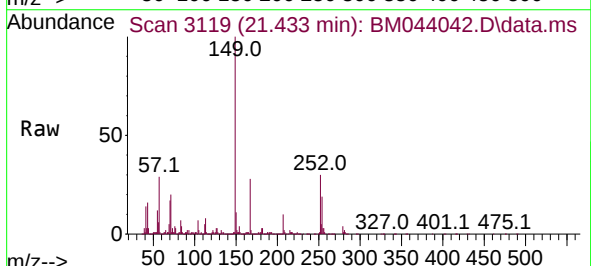
Tgt Ion:149 Resp: 646083

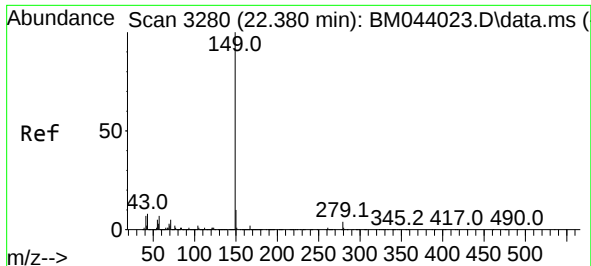
Ion Ratio Lower Upper

149 100

167 27.7 22.6 33.8

279 3.5 3.1 4.7

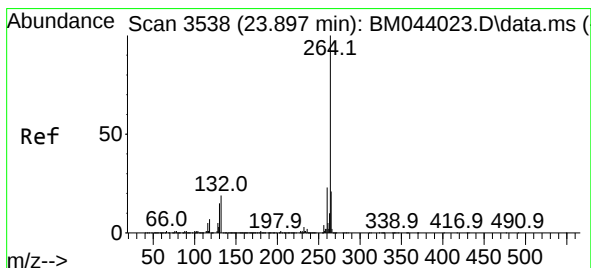
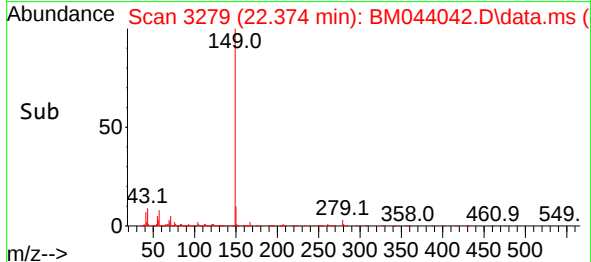
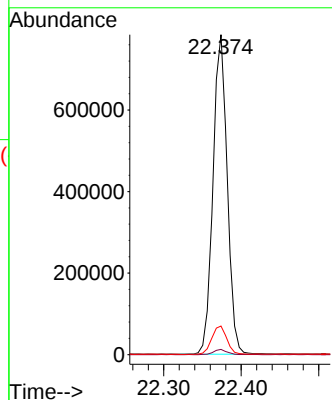
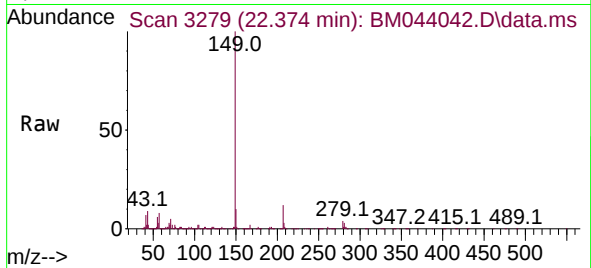




#85
Di-n-octyl phthalate
Concen: 4.825 ng
RT: 22.374 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

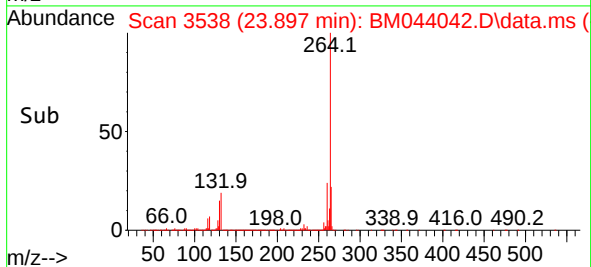
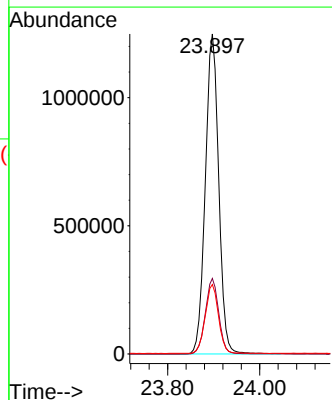
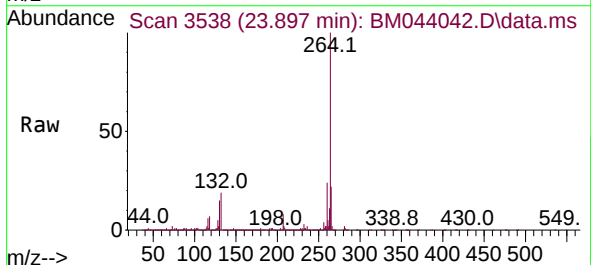
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

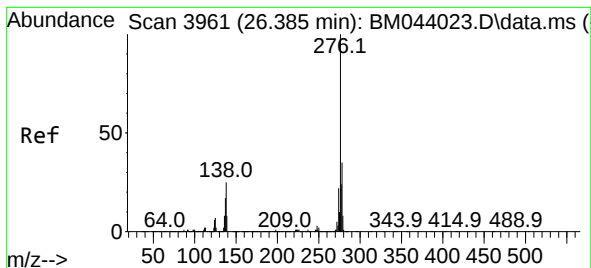
Tgt Ion:149 Resp: 1000632
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.4 7.0 10.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.897 min Scan# 3538
Delta R.T. 0.000 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:264 Resp: 2534360
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.762 ng

RT: 26.379 min Scan# 3960

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

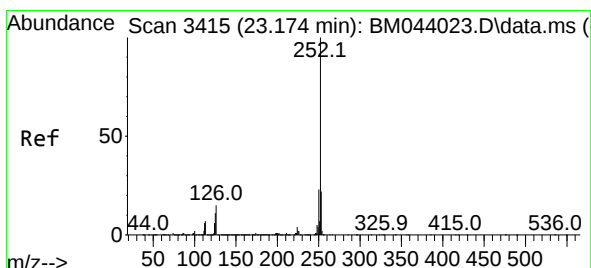
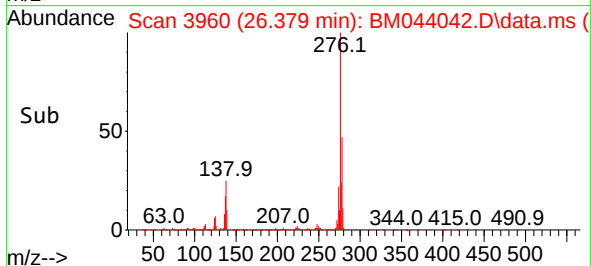
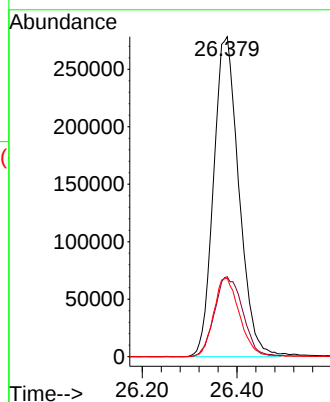
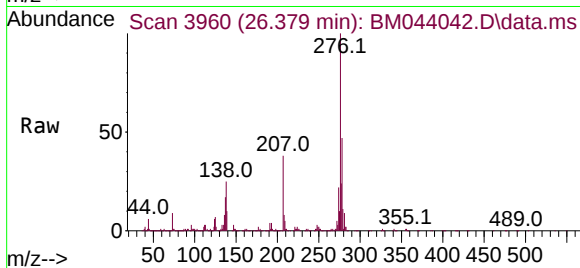
Tgt Ion:276 Resp: 1033523

Ion Ratio Lower Upper

276 100

138 28.1 22.6 34.0

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.920 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

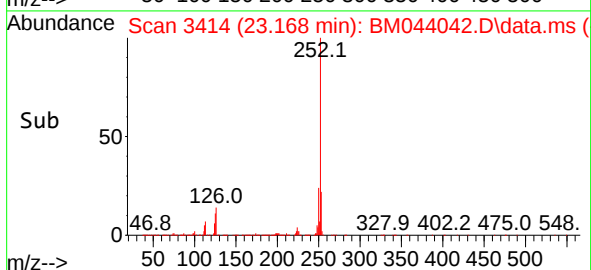
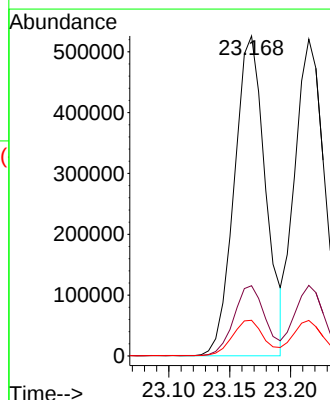
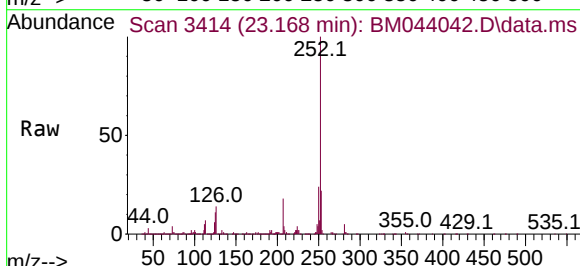
Tgt Ion:252 Resp: 937944

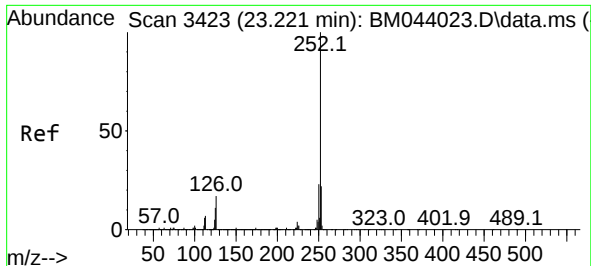
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.2 8.8 13.2

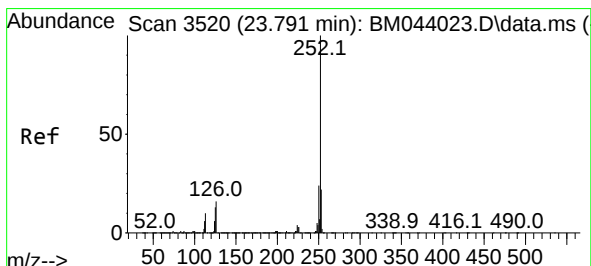
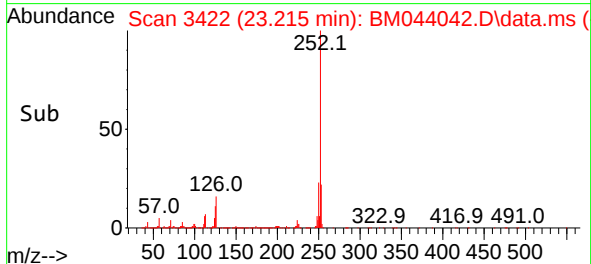
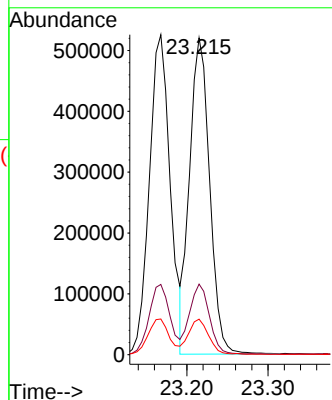
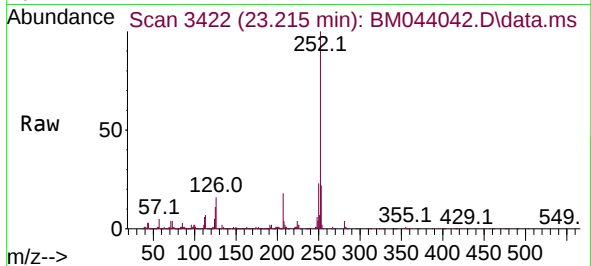




#89
Benzo(k)fluoranthene
Concen: 5.941 ng
RT: 23.215 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

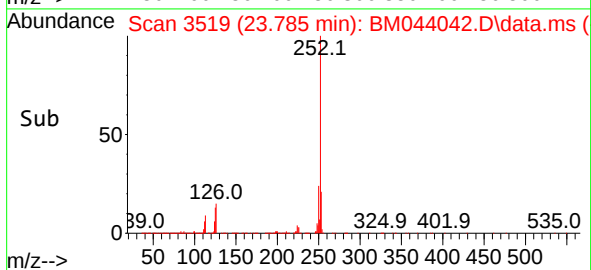
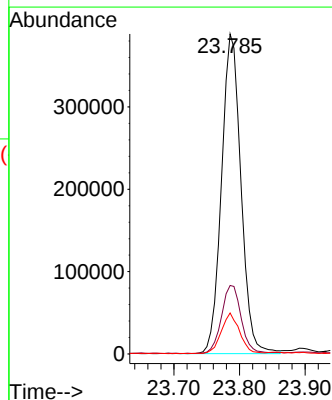
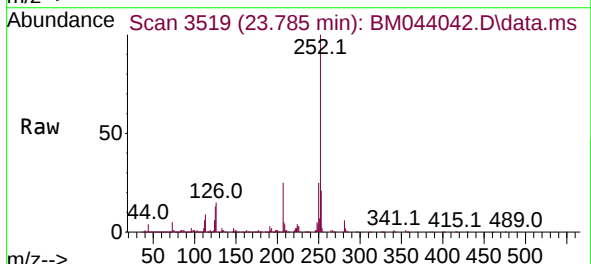
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

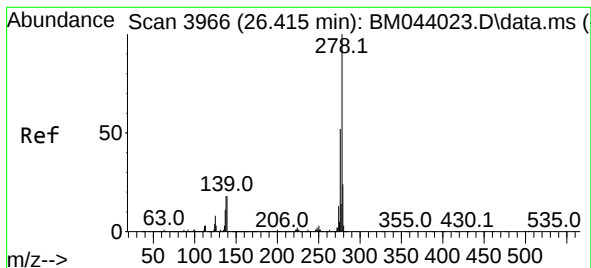
Tgt Ion:252 Resp: 894408
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.2 9.0 13.4



#90
Benzo(a)pyrene
Concen: 5.761 ng
RT: 23.785 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044042.D
Acq: 09 Feb 2024 16:42

Tgt Ion:252 Resp: 797265
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 12.8 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 5.868 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

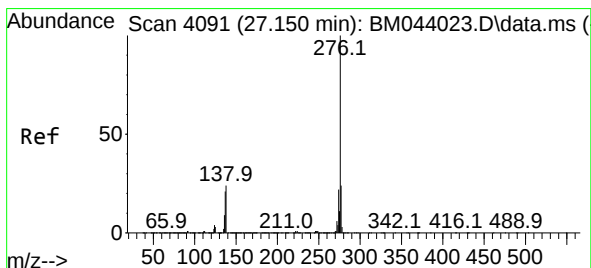
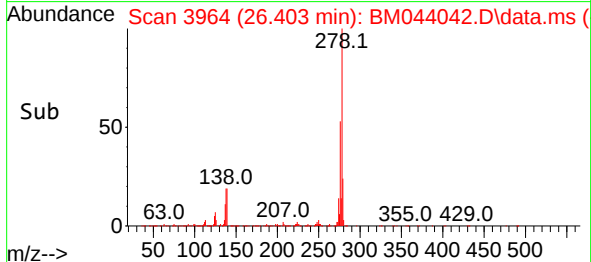
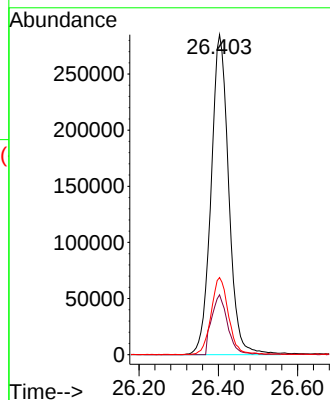
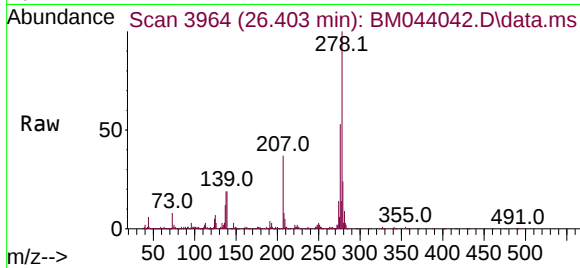
Tgt Ion:278 Resp: 880433

Ion Ratio Lower Upper

278 100

139 18.7 14.5 21.7

279 24.1 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 5.537 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Tgt Ion:276 Resp: 842585

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 23.9 19.1 28.7

