

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044013.D
 Acq On : 07 Feb 2024 05:09
 Operator : MA/JU
 Sample : P1187-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Feb 07 05:41:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	548229	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	2410603	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	1547385	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	3284382	20.000	ng	0.00
76) Chrysene-d12	21.509	240	3022231	20.000	ng	-0.01
86) Perylene-d12	23.921	264	3271189	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	3123600	84.139	ng	0.00
7) Phenol-d6	7.087	99	4250730	77.495	ng	0.00
23) Nitrobenzene-d5	9.092	82	2989159	59.775	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1378437	73.078	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	6807803	60.453	ng	0.00
79) Terphenyl-d14	19.956	244	10715103	68.442	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	96411	6.720	ng	97
3) Pyridine	3.799	79	230801	5.286	ng	98
4) n-Nitrosodimethylamine	3.722	42	108466	5.779	ng	# 96
6) Aniline	7.251	93	343370	6.292	ng	99
8) 2-Chlorophenol	7.481	128	238844	5.795	ng	98
9) Benzaldehyde	7.069	77	230374	4.946	ng	94
10) Phenol	7.110	94	304204	5.578	ng	93
11) bis(2-Chloroethyl)ether	7.357	93	248821	5.821	ng	98
12) 1,3-Dichlorobenzene	7.804	146	258289	5.804	ng	99
13) 1,4-Dichlorobenzene	7.957	146	262364	5.830	ng	99
14) 1,2-Dichlorobenzene	8.269	146	249092	5.612	ng	97
15) Benzyl Alcohol	8.169	79	207258	5.513	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.463	45	357108	6.230	ng	99
17) 2-Methylphenol	8.363	107	189207	5.427	ng	97
18) Hexachloroethane	8.992	117	98653	5.841	ng	99
19) n-Nitroso-di-n-propyla...	8.734	70	208590	5.779	ng	96
20) 3+4-Methylphenols	8.692	107	256381	5.210	ng	97
22) Acetophenone	8.751	105	397098	6.080	ng	# 97
24) Nitrobenzene	9.134	77	300703	5.993	ng	99
25) Isophorone	9.657	82	551568	5.925	ng	99
26) 2-Nitrophenol	9.839	139	106332	5.244	ng	95
27) 2,4-Dimethylphenol	9.898	122	193823	6.961	ng	93
28) bis(2-Chloroethoxy)met...	10.151	93	353003	6.209	ng	99
29) 2,4-Dichlorophenol	10.369	162	203179	5.721	ng	98
30) 1,2,4-Trichlorobenzene	10.586	180	235100	5.861	ng	97
31) Naphthalene	10.775	128	782086	5.821	ng	100
32) Benzoic acid	9.975	122	92705	9.288	ng	98
33) 4-Chloroaniline	10.892	127	335909	6.082	ng	98
34) Hexachlorobutadiene	11.051	225	130720	5.975	ng	99
35) Caprolactam	11.663	113	69814	4.794	ng	91
36) 4-Chloro-3-methylphenol	12.010	107	240612	5.533	ng	99
37) 2-Methylnaphthalene	12.386	142	543295	5.798	ng	99
38) 1-Methylnaphthalene	12.604	142	530051	5.667	ng	98
40) 1,2,4,5-Tetrachloroben...	12.745	216	266186	6.065	ng	99
41) Hexachlorocyclopentadiene	12.722	237	119068	8.249	ng	97
43) 2,4,6-Trichlorophenol	12.998	196	159022	5.362	ng	96

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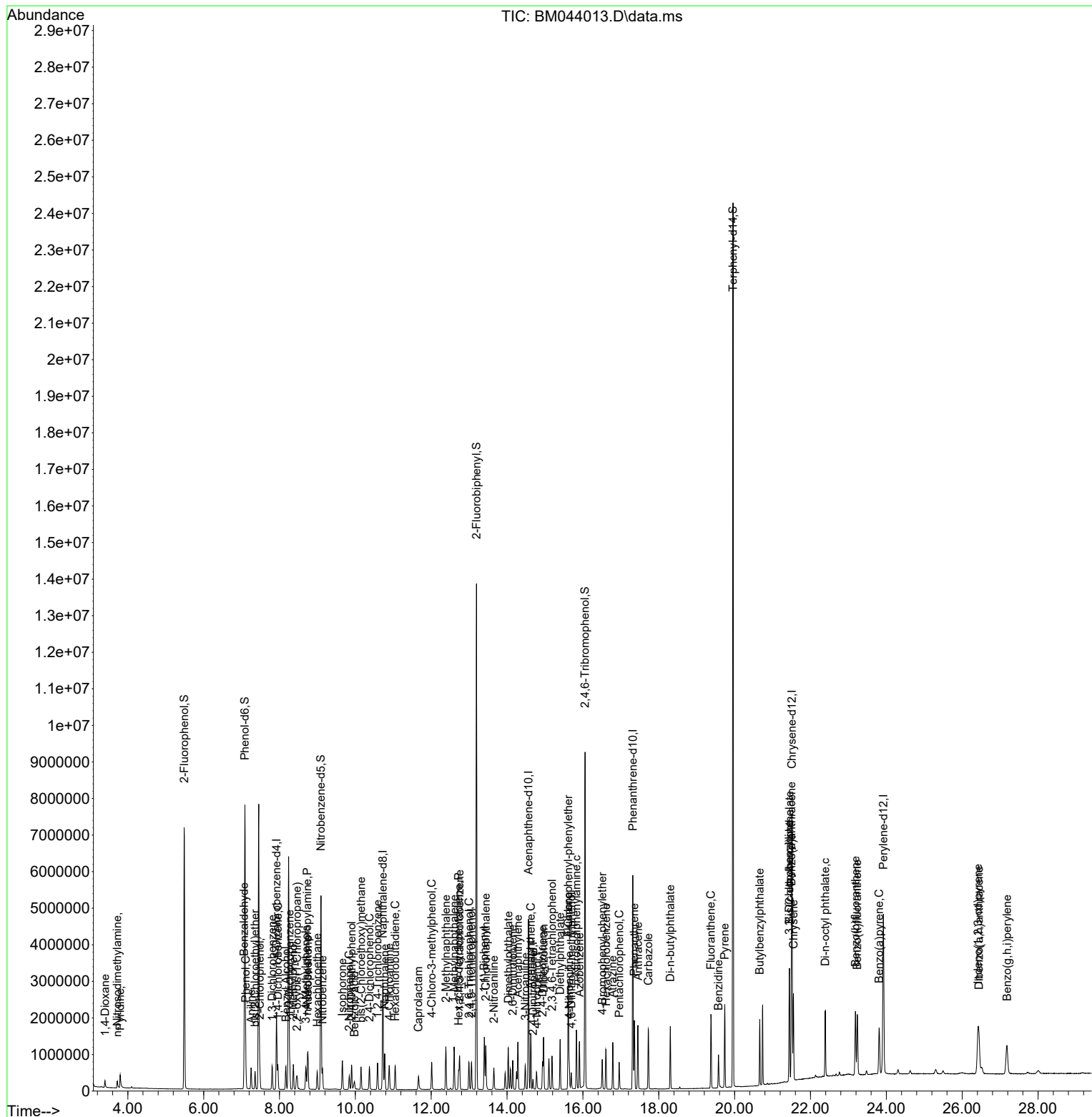
Quant Time: Feb 07 05:41:57 2024
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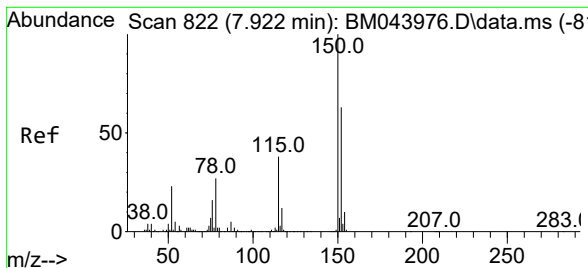
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	180499	5.334	ng	98
46) 1,1'-Biphenyl	13.398	154	744108	6.115	ng	99
47) 2-Chloronaphthalene	13.439	162	557293	5.743	ng	99
48) 2-Nitroaniline	13.651	65	164253	5.204	ng	95
49) Acenaphthylene	14.286	152	908129	6.122	ng	99
50) Dimethylphthalate	14.033	163	713730	5.938	ng	100
51) 2,6-Dinitrotoluene	14.151	165	139045	5.263	ng	97
52) Acenaphthene	14.627	154	536746	5.708	ng	98
53) 3-Nitroaniline	14.480	138	155013	5.054	ng	96
54) 2,4-Dinitrophenol	14.686	184	48529	10.108	ng	93
55) Dibenzofuran	14.963	168	867094	5.925	ng	100
56) 4-Nitrophenol	14.780	139	117996	4.402	ng	98
57) 2,4-Dinitrotoluene	14.933	165	178415	4.851	ng	93
58) Fluorene	15.616	166	702069	5.681	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	160002	5.485	ng	98
60) Diethylphthalate	15.398	149	714510	5.742	ng	99
61) 4-Chlorophenyl-phenyle...	15.616	204	338094	5.864	ng	99
62) 4-Nitroaniline	15.639	138	159479	4.756	ng	99
63) Azobenzene	15.910	77	728449	5.862	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	74189	9.383	ng	90
66) n-Nitrosodiphenylamine	15.827	169	593418	6.066	ng	100
67) 4-Bromophenyl-phenylether	16.510	248	128997	3.987	ng	96
68) Hexachlorobenzene	16.610	284	217125	5.628	ng	99
69) Atrazine	16.786	200	194410	7.183	ng	100
70) Pentachlorophenol	16.957	266	110423	4.359	ng	99
71) Phenanthrene	17.357	178	1098120	6.003	ng	100
72) Anthracene	17.451	178	1068914	5.968	ng	99
73) Carbazole	17.727	167	1013577	5.464	ng	99
74) Di-n-butylphthalate	18.304	149	1172397	5.763	ng	99
75) Fluoranthene	19.374	202	1199364	5.302	ng	99
77) Benzidine	19.574	184	505787	13.190	ng	100
78) Pyrene	19.739	202	1274535	6.135	ng	99
80) Butylbenzylphthalate	20.662	149	485501	5.902	ng	100
81) Benzo(a)anthracene	21.497	228	1275447	6.015	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	394523	5.819	ng	99
83) Chrysene	21.550	228	1160307	5.712	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	765581	6.258	ng	99
85) Di-n-octyl phthalate	22.392	149	1201390	5.701	ng	99
87) Indeno(1,2,3-cd)pyrene	26.415	276	1286849	5.257	ng	99
88) Benzo(b)fluoranthene	23.186	252	1185787	5.763	ng	99
89) Benzo(k)fluoranthene	23.233	252	1149129	5.821	ng	99
90) Benzo(a)pyrene	23.809	252	994859	5.470	ng	99
91) Dibenzo(a,h)anthracene	26.444	278	1060694	5.254	ng	99
92) Benzo(g,h,i)perylene	27.179	276	1027111	4.988	ng	99

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

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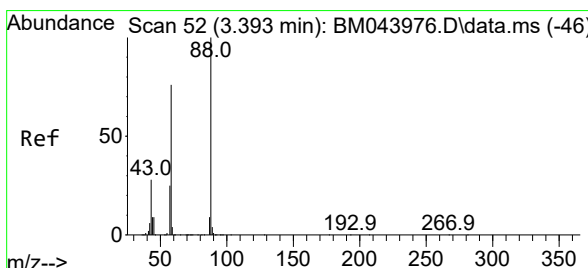
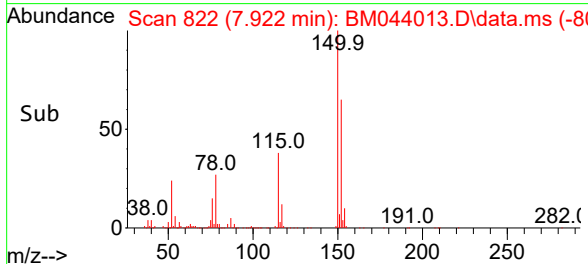
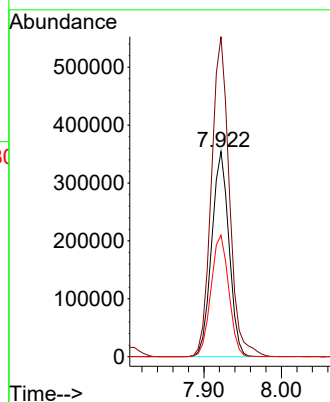
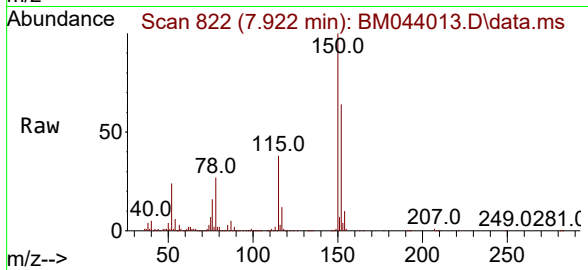




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM044013.D
 Acq: 07 Feb 2024 05:09

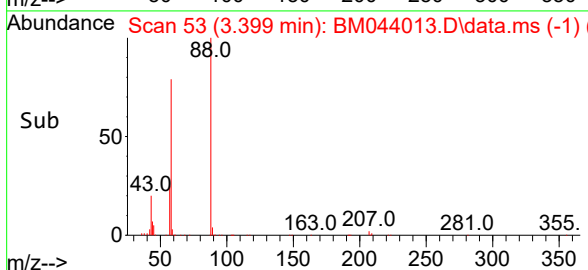
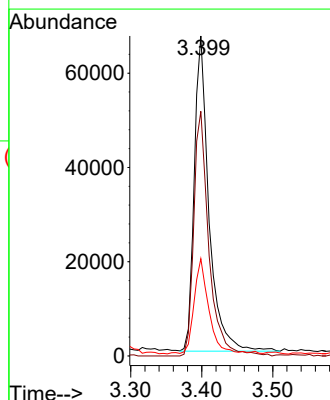
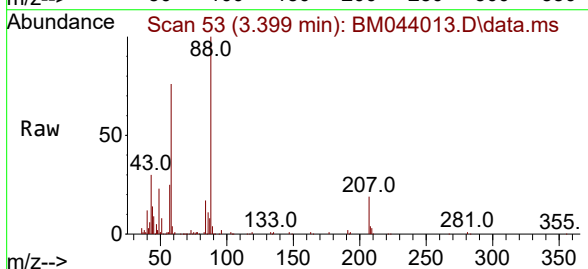
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 ClientSampleId :
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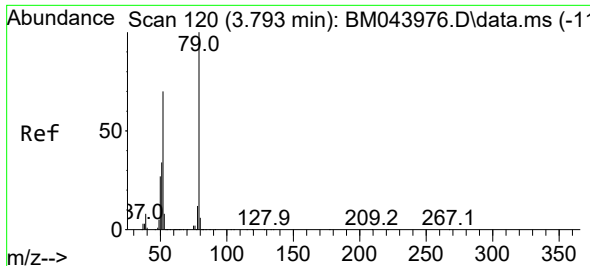
Tgt Ion:152 Resp: 548229
 Ion Ratio Lower Upper
 152 100
 150 156.0 126.1 189.1
 115 59.2 48.2 72.2



#2
 1,4-Dioxane
 Concen: 6.720 ng
 RT: 3.399 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM044013.D
 Acq: 07 Feb 2024 05:09

Tgt Ion: 88 Resp: 96411
 Ion Ratio Lower Upper
 88 100
 58 79.6 61.0 91.6
 43 30.0 23.0 34.6

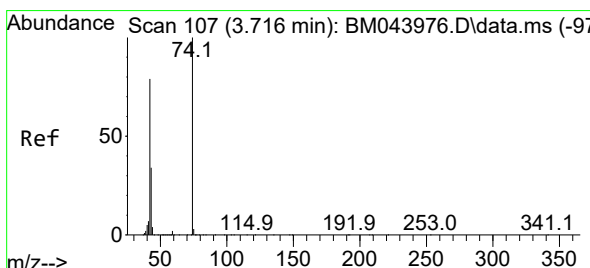
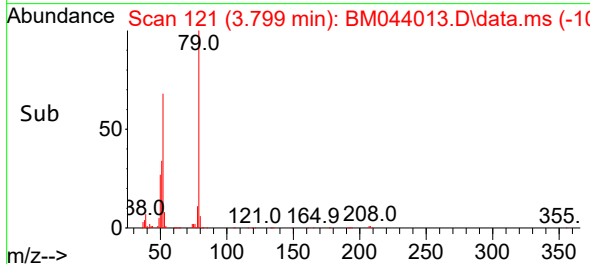
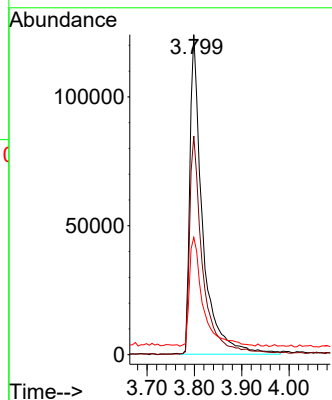
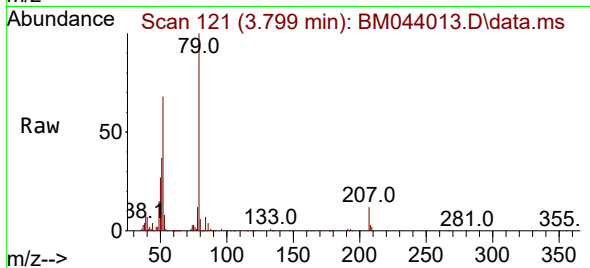




#3
Pyridine
Concen: 5.286 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

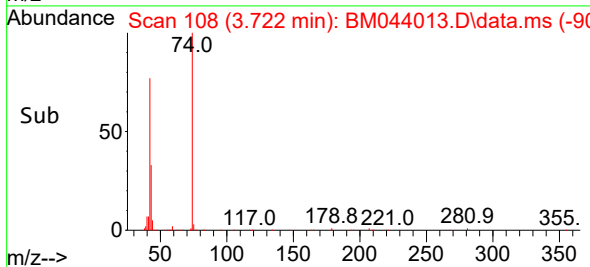
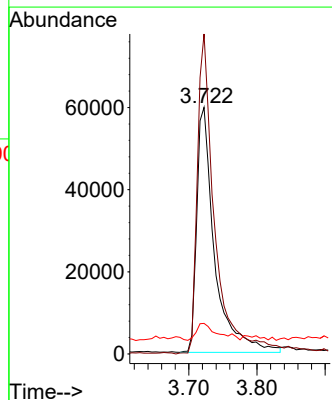
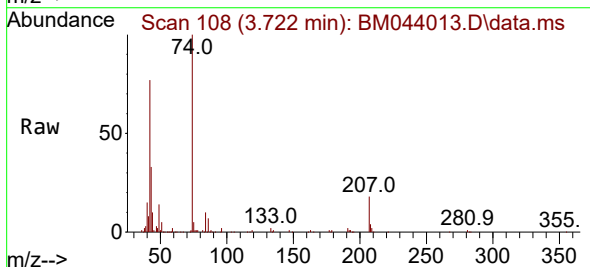
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

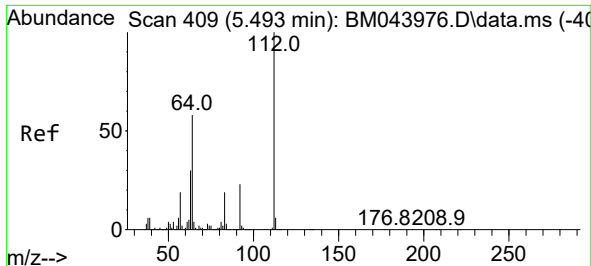
Tgt Ion: 79 Resp: 230801
Ion Ratio Lower Upper
79 100
52 68.3 55.9 83.9
51 36.6 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 5.779 ng
RT: 3.722 min Scan# 108
Delta R.T. 0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

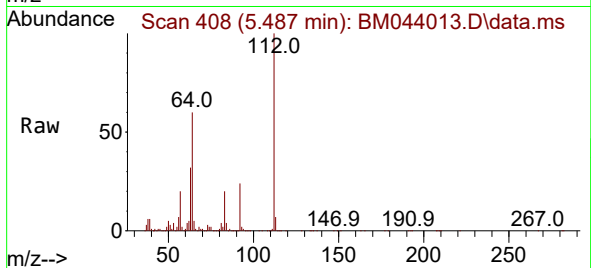
Tgt Ion: 42 Resp: 108466
Ion Ratio Lower Upper
42 100
74 129.8 100.7 151.1
44 12.4 7.3 10.9#



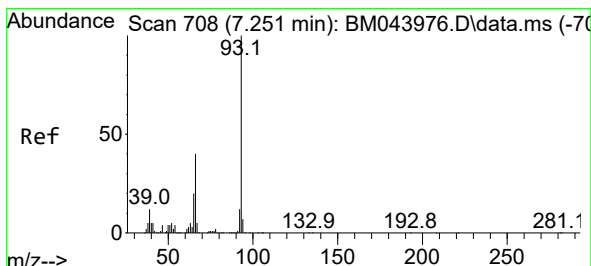
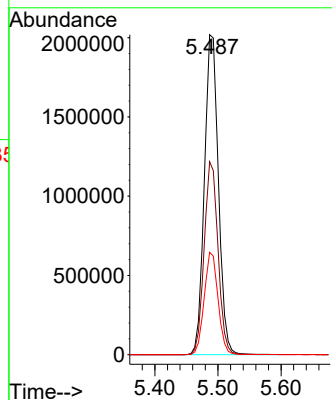
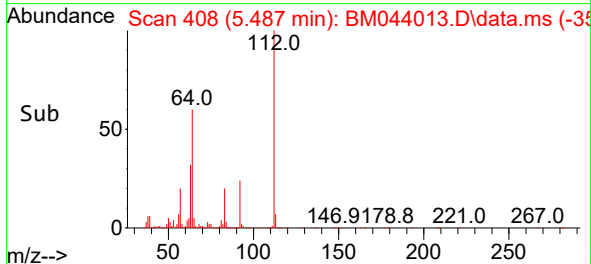


#5
2-Fluorophenol
Concen: 84.139 ng
RT: 5.487 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

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

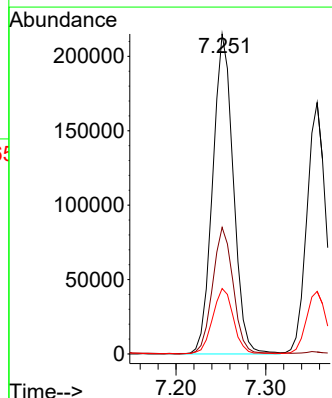
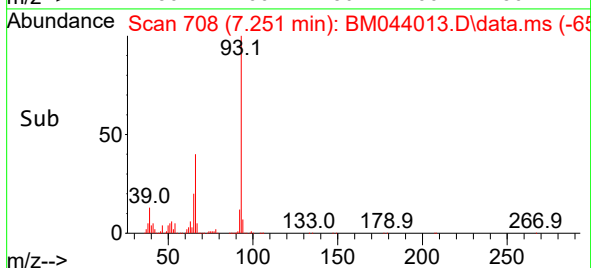
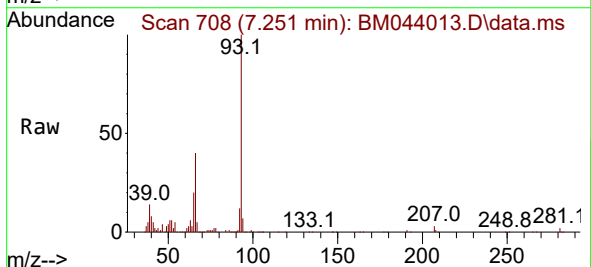


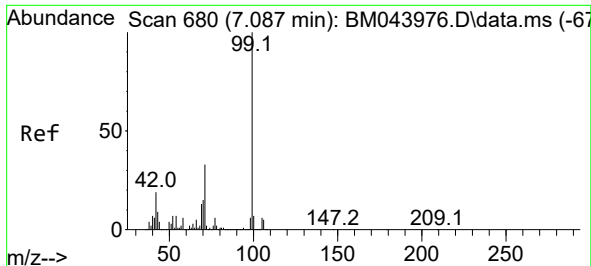
Tgt Ion:112 Resp: 3123600
Ion Ratio Lower Upper
112 100
64 60.3 46.6 70.0
63 32.0 24.2 36.4



#6
Aniline
Concen: 6.292 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion: 93 Resp: 343370
Ion Ratio Lower Upper
93 100
66 39.6 32.2 48.2
65 20.5 15.8 23.8

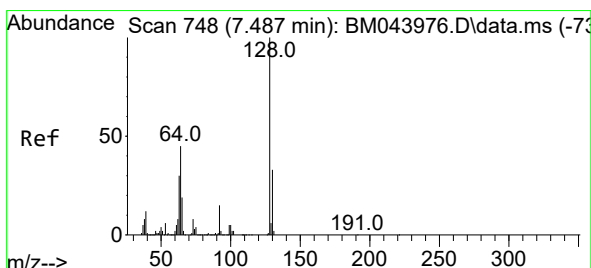
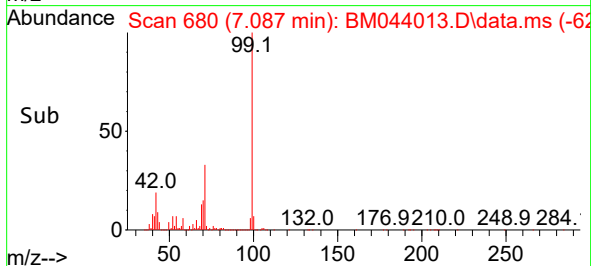
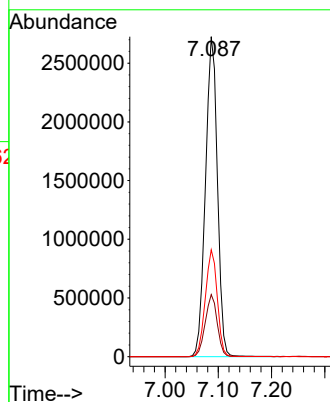
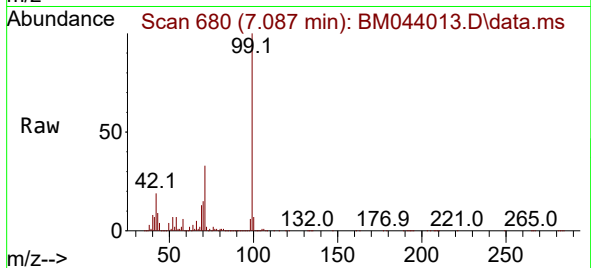




#7
Phenol-d6
Concen: 77.495 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

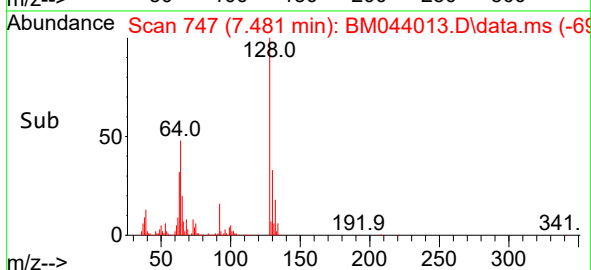
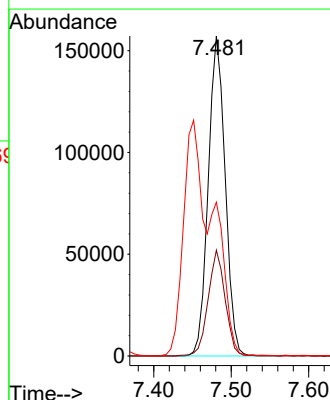
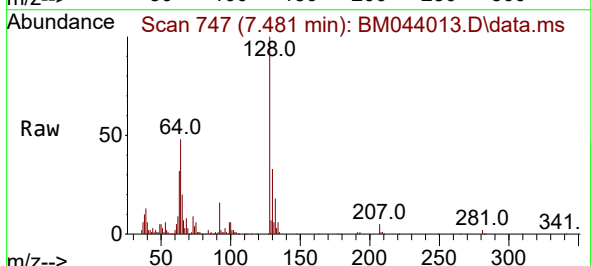
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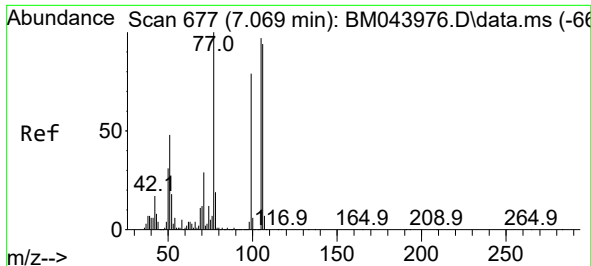
Tgt Ion: 99 Resp: 4250730
Ion Ratio Lower Upper
99 100
42 19.4 14.9 22.3
71 33.4 26.3 39.5



#8
2-Chlorophenol
Concen: 5.795 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion: 128 Resp: 238844
Ion Ratio Lower Upper
128 100
130 33.1 12.9 52.9
64 48.1 25.6 65.6

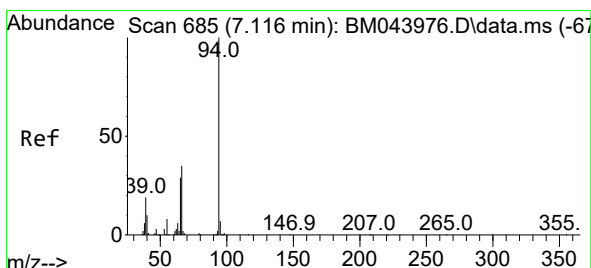
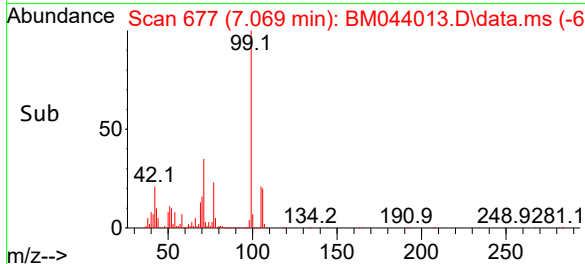
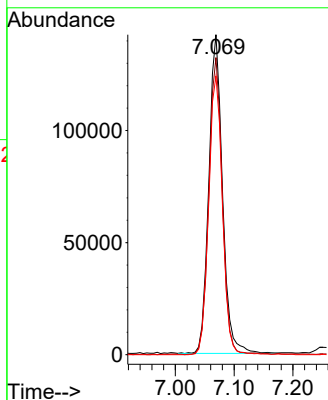
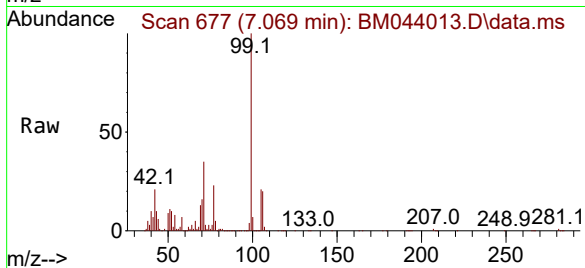




#9
Benzaldehyde
Concen: 4.946 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

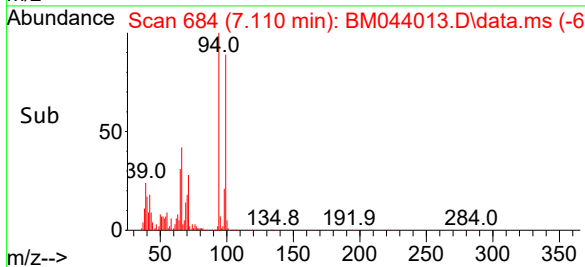
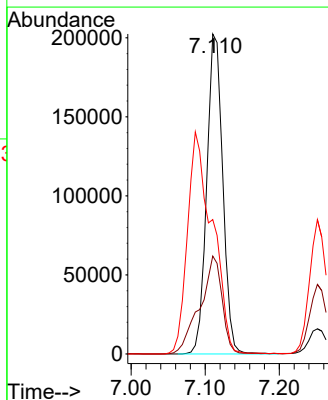
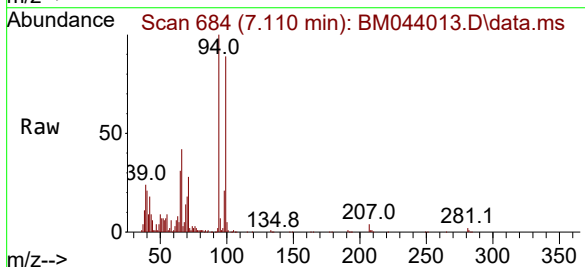
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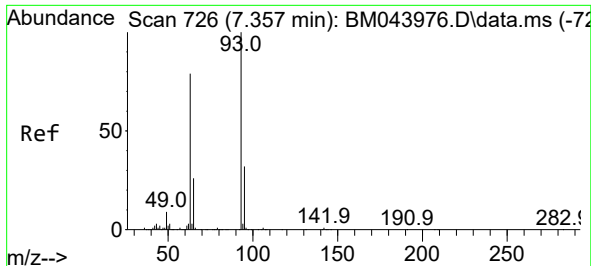
Tgt Ion: 77 Resp: 230374
Ion Ratio Lower Upper
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105 92.9 77.4 117.4
106 87.0 73.5 113.5



#10
Phenol
Concen: 5.578 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion: 94 Resp: 304204
Ion Ratio Lower Upper
94 100
65 30.6 9.3 49.3
66 42.0 15.7 55.7

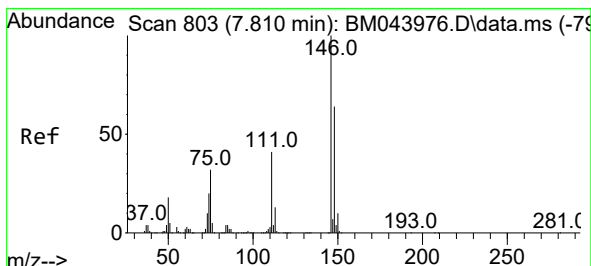
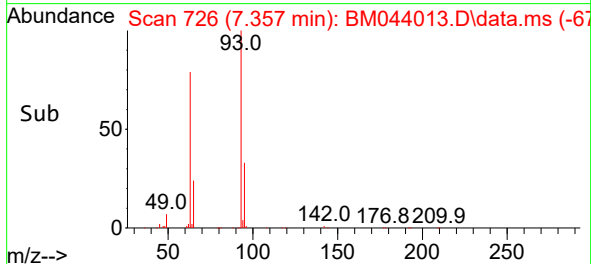
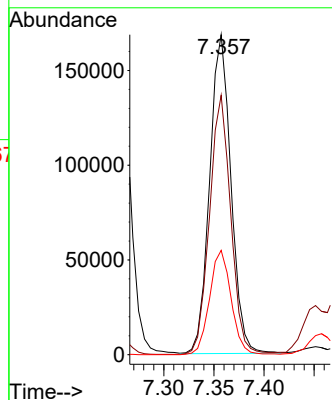
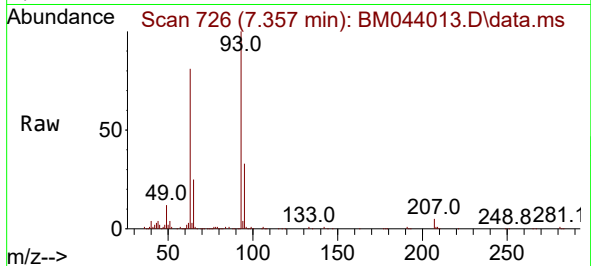




#11
bis(2-Chloroethyl)ether
Concen: 5.821 ng
RT: 7.357 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

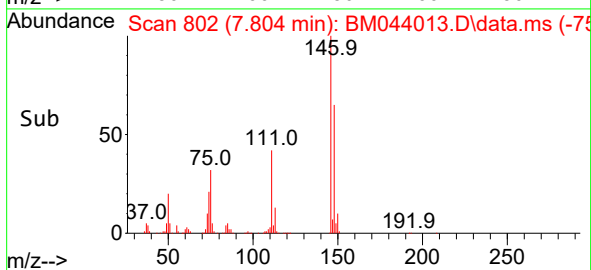
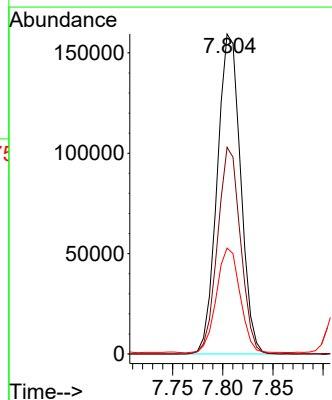
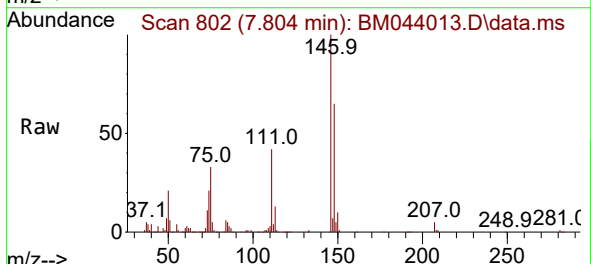
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

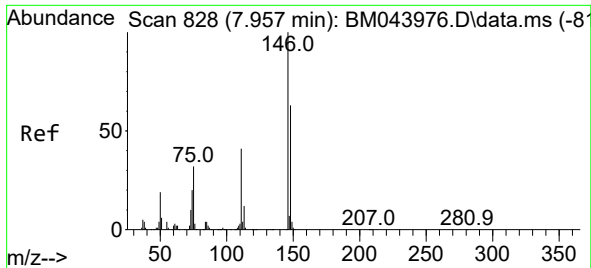
Tgt Ion: 93 Resp: 248821
Ion Ratio Lower Upper
93 100
63 81.1 59.0 99.0
95 32.6 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 5.804 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion: 146 Resp: 258289
Ion Ratio Lower Upper
146 100
148 64.5 51.0 76.6
75 33.1 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 5.830 ng

RT: 7.957 min Scan# 81

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

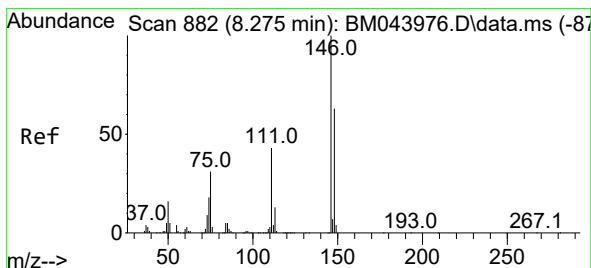
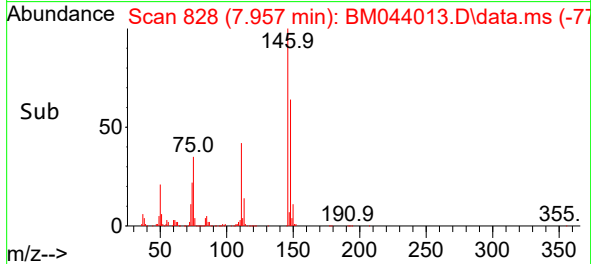
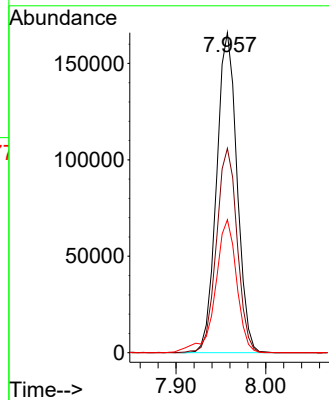
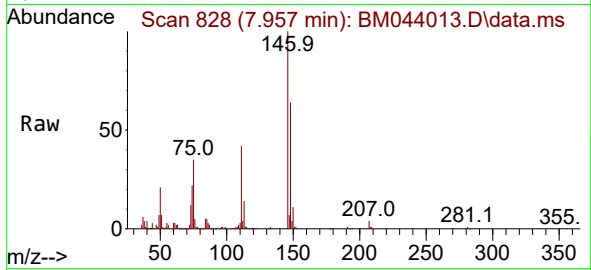
Tgt Ion:146 Resp: 262364

Ion Ratio Lower Upper

146 100

148 63.8 50.7 76.1

111 41.6 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 5.612 ng

RT: 8.269 min Scan# 881

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

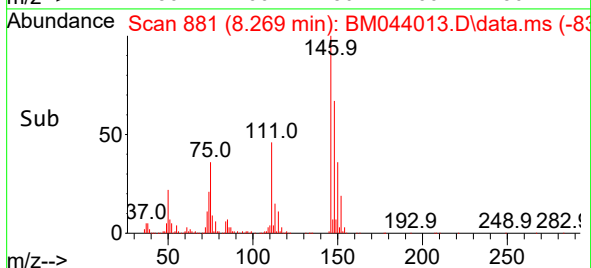
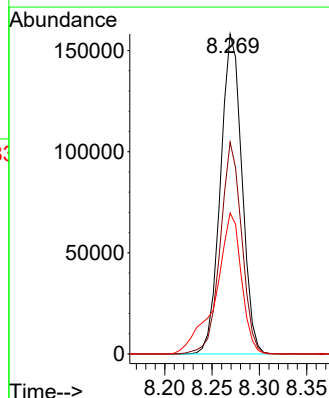
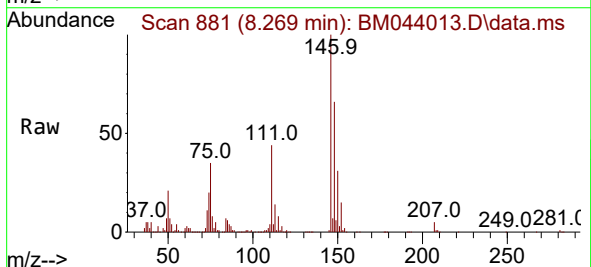
Tgt Ion:146 Resp: 249092

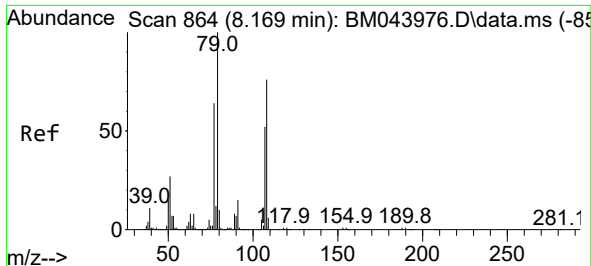
Ion Ratio Lower Upper

146 100

148 66.2 50.3 75.5

111 44.0 34.3 51.5

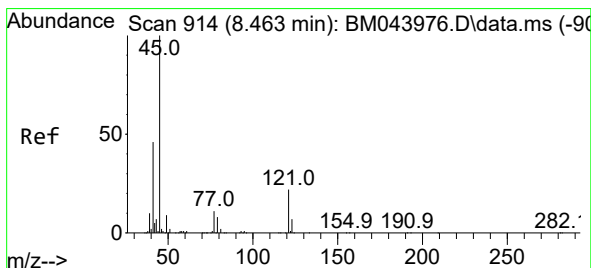
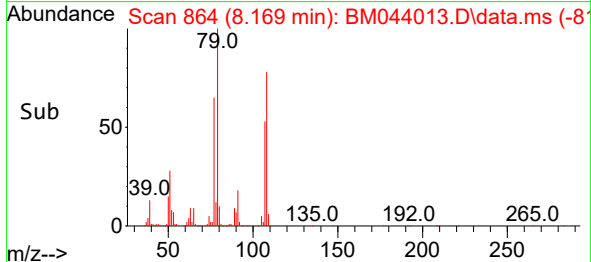
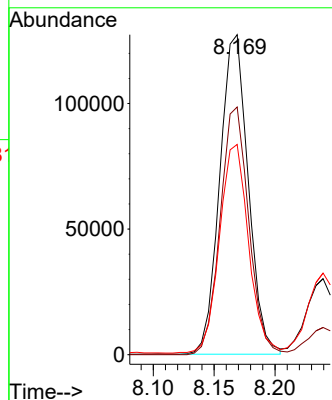
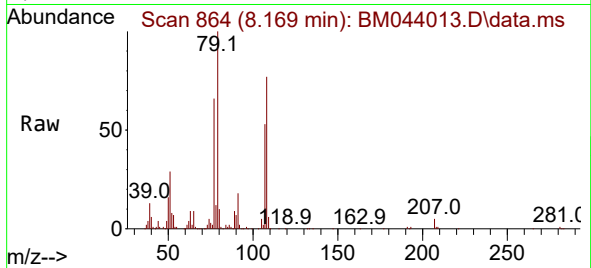




#15
Benzyl Alcohol
Concen: 5.513 ng
RT: 8.169 min Scan# 864
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

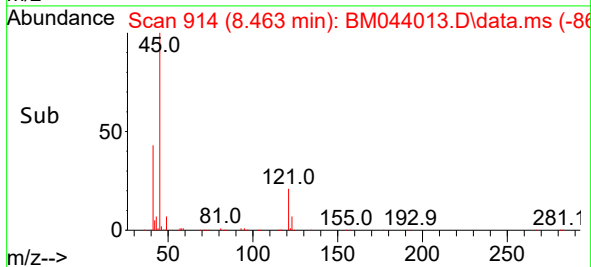
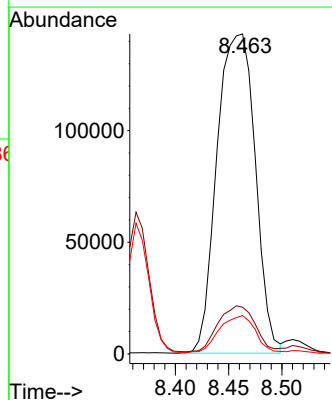
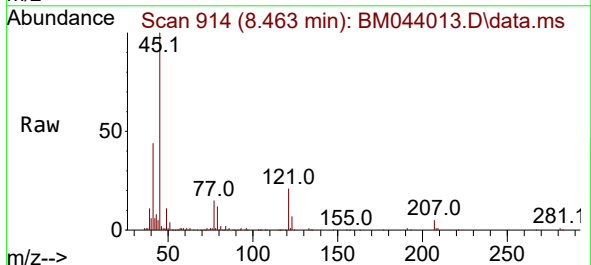
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

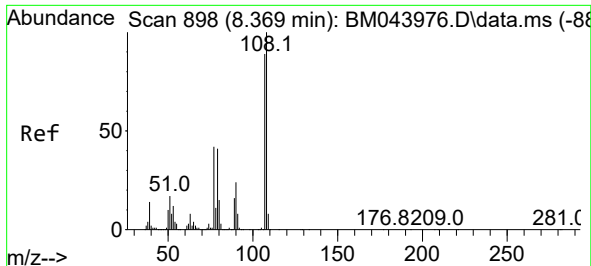
Tgt Ion: 79 Resp: 207258
Ion Ratio Lower Upper
79 100
108 77.4 60.7 91.1
77 65.7 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.230 ng
RT: 8.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion: 45 Resp: 357108
Ion Ratio Lower Upper
45 100
77 14.6 0.0 34.4
79 12.0 0.0 31.2

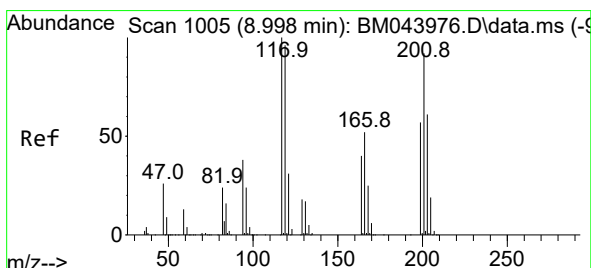
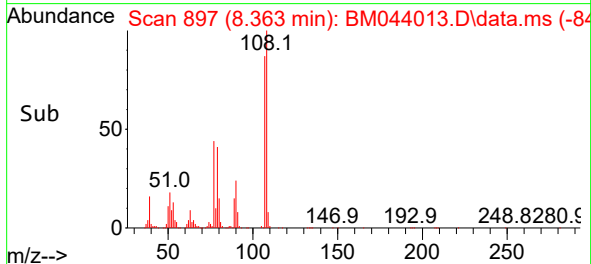
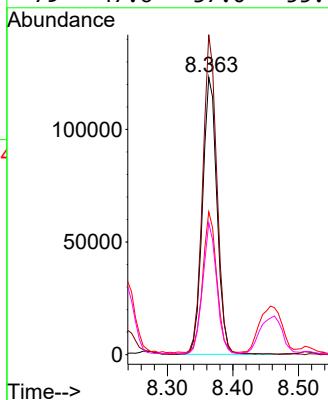
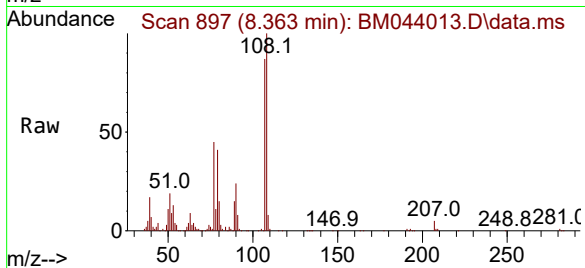




#17
2-Methylphenol
Concen: 5.427 ng
RT: 8.363 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

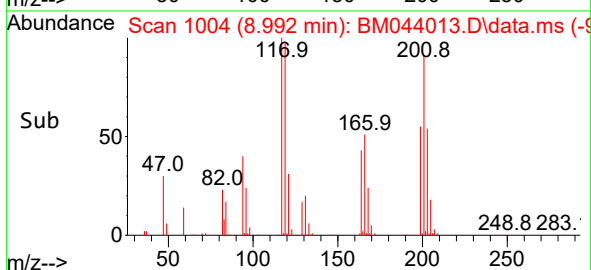
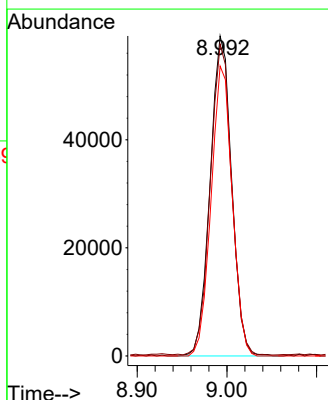
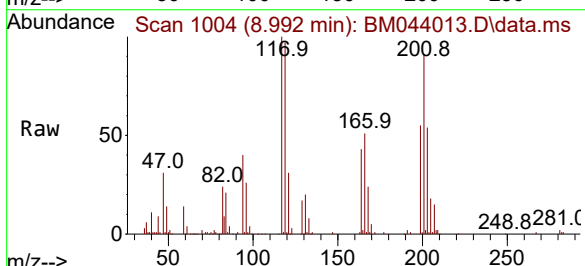
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

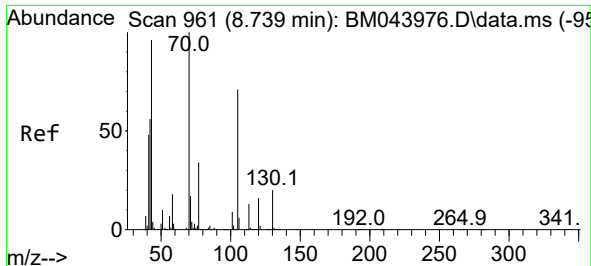
Tgt Ion:	107	Resp:	189207
Ion	Ratio	Lower	Upper
107	100		
108	115.3	90.4	135.6
77	51.5	38.0	57.0
79	47.6	37.0	55.4



#18
Hexachloroethane
Concen: 5.841 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:	117	Resp:	98653
Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.7	115.1
201	90.6	73.4	110.2



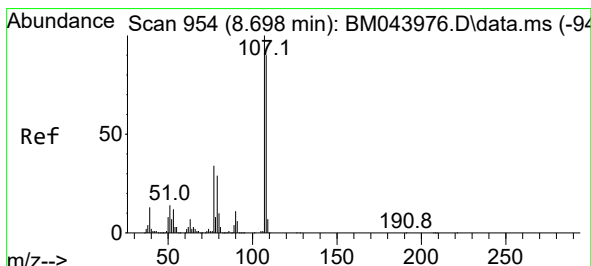
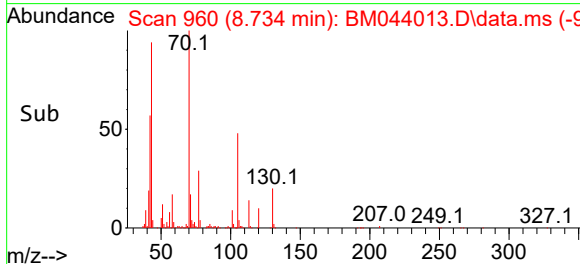
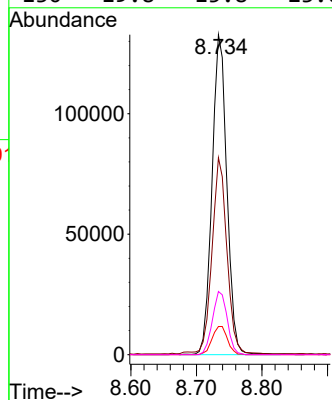
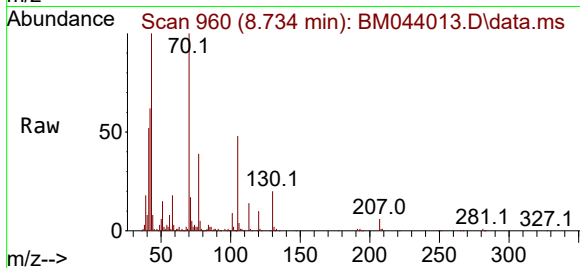


#19
n-Nitroso-di-n-propylamine
Concen: 5.779 ng
RT: 8.734 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

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

Tgt Ion: 70 Resp: 208590

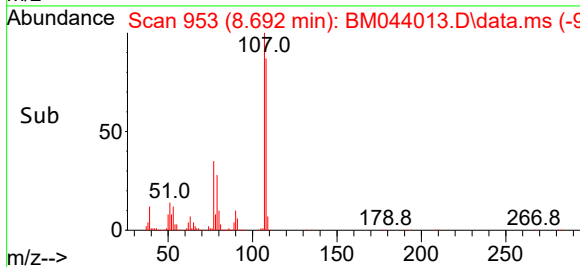
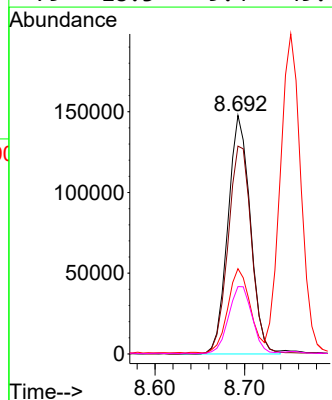
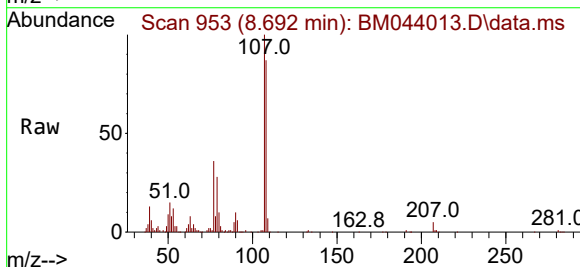
Ion	Ratio	Lower	Upper
70	100		
42	61.5	45.6	68.4
101	8.8	7.5	11.3
130	19.8	15.8	23.6

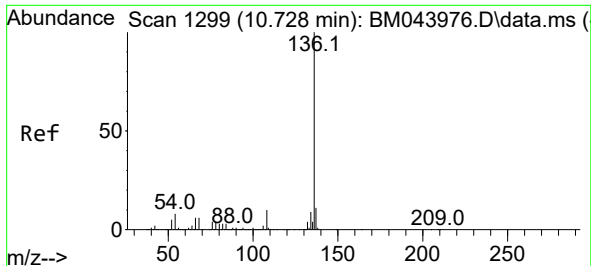


#20
3+4-Methylphenols
Concen: 5.210 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion: 107 Resp: 256381

Ion	Ratio	Lower	Upper
107	100		
108	87.2	70.3	110.3
77	35.8	14.0	54.0
79	28.3	9.4	49.4

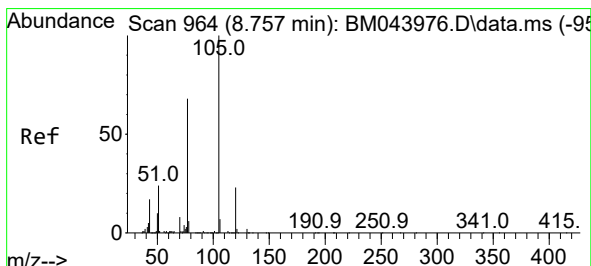
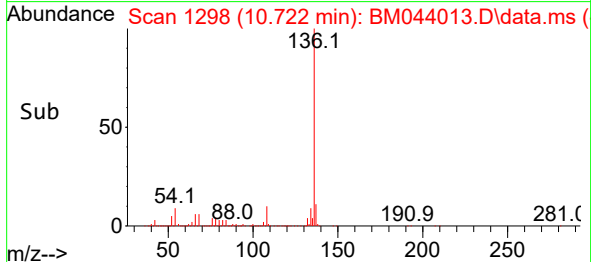
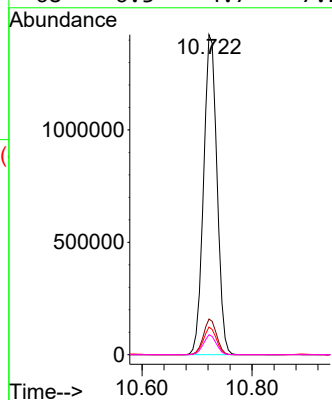
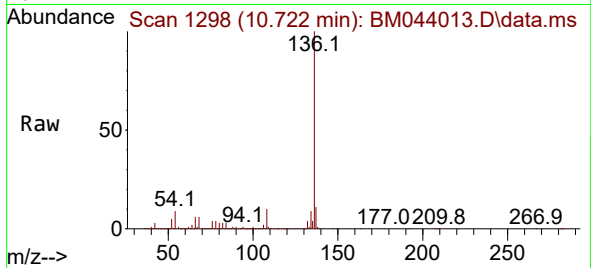




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

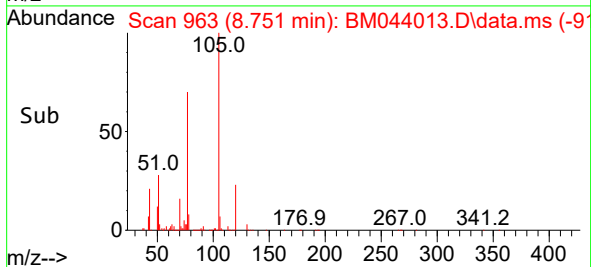
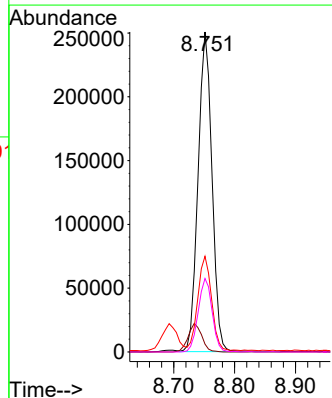
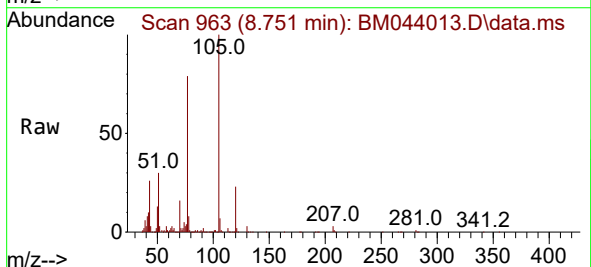
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

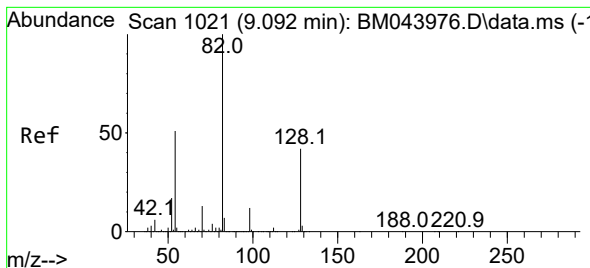
Tgt Ion:136 Resp: 2410603
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.7 6.5 9.7
68 6.3 4.7 7.1



#22
Acetophenone
Concen: 6.080 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:105 Resp: 397098
Ion Ratio Lower Upper
105 100
71 2.5 1.6 2.4#
51 29.9 21.8 32.6
120 22.9 18.5 27.7





#23

Nitrobenzene-d5

Concen: 59.775 ng

RT: 9.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

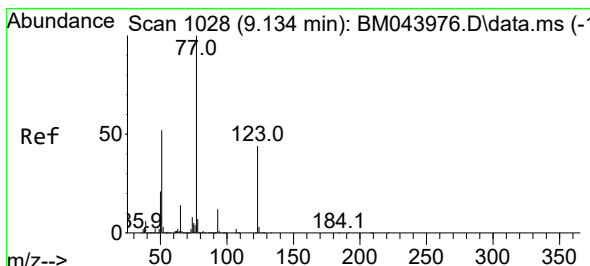
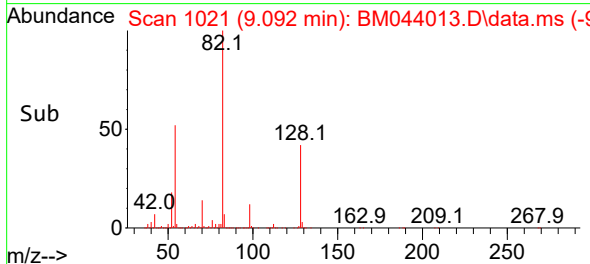
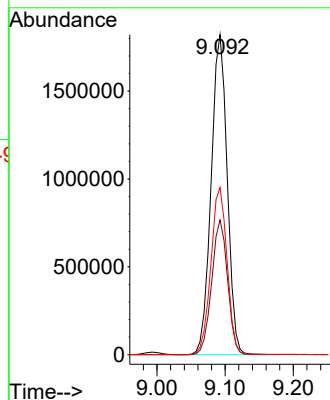
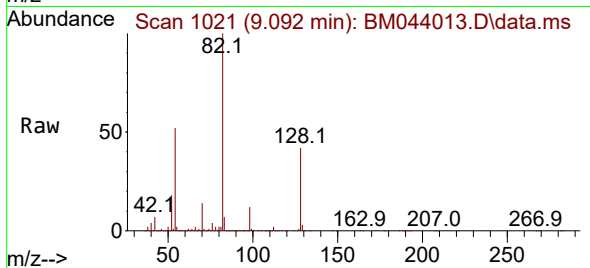
Tgt Ion: 82 Resp: 2989159

Ion Ratio Lower Upper

82 100

128 42.1 33.9 50.9

54 52.3 41.1 61.7



#24

Nitrobenzene

Concen: 5.993 ng

RT: 9.134 min Scan# 1028

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

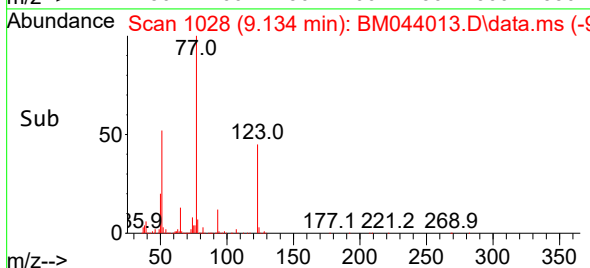
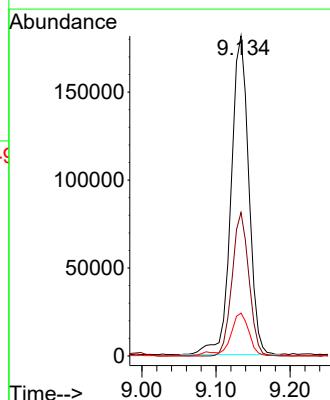
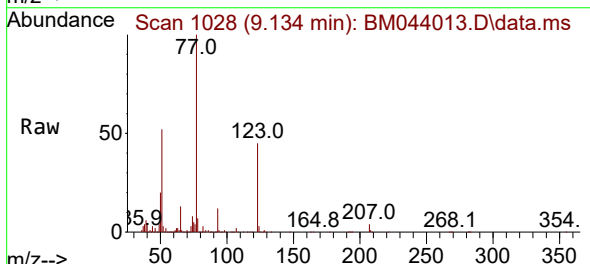
Tgt Ion: 77 Resp: 300703

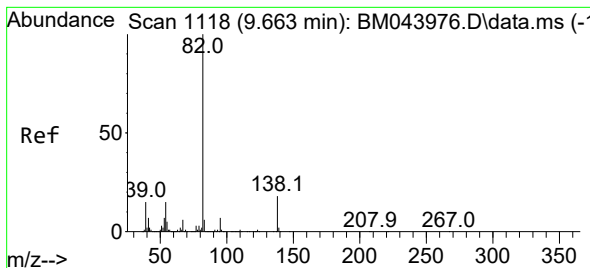
Ion Ratio Lower Upper

77 100

123 44.9 35.3 52.9

65 13.4 10.9 16.3





#25

Isophorone

Concen: 5.925 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

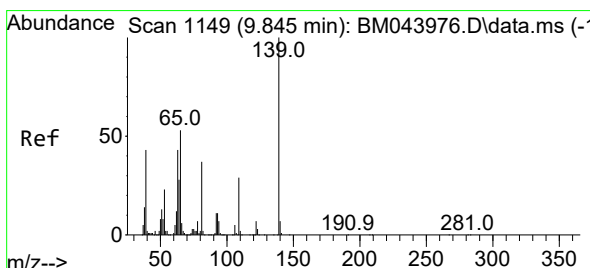
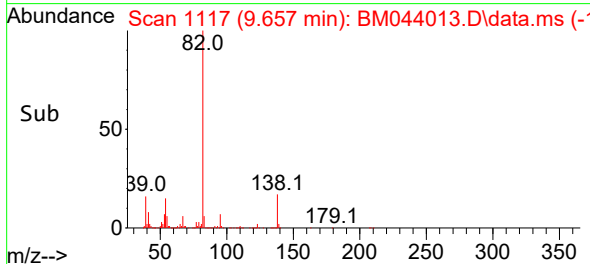
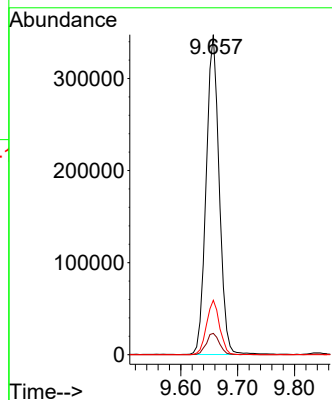
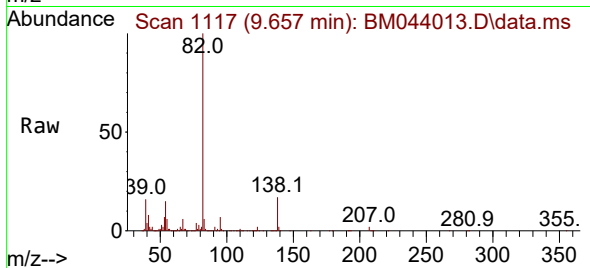
Tgt Ion: 82 Resp: 551568

Ion Ratio Lower Upper

82 100

95 6.6 5.6 8.4

138 17.0 14.2 21.2



#26

2-Nitrophenol

Concen: 5.244 ng

RT: 9.839 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

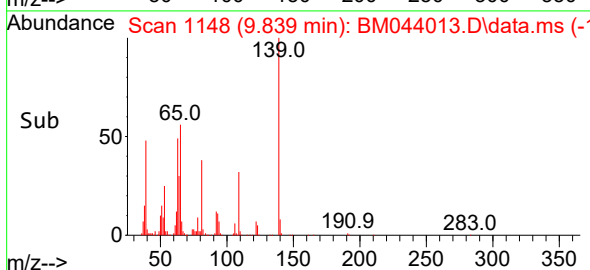
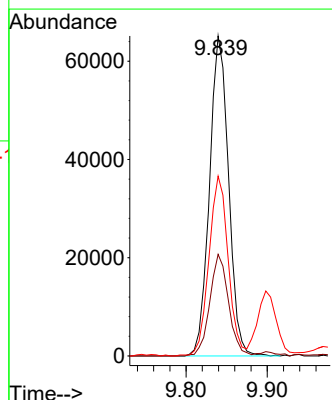
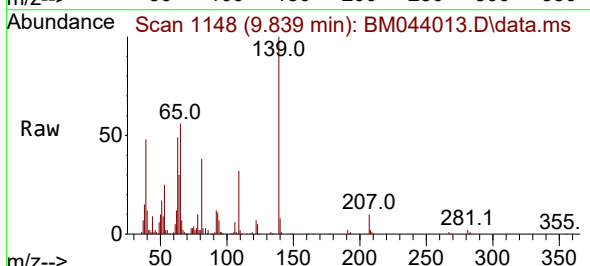
Tgt Ion: 139 Resp: 106332

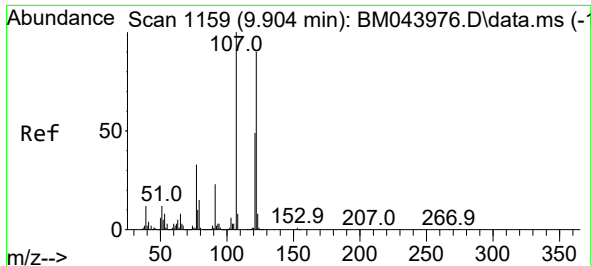
Ion Ratio Lower Upper

139 100

109 31.7 23.3 34.9

65 56.2 42.5 63.7

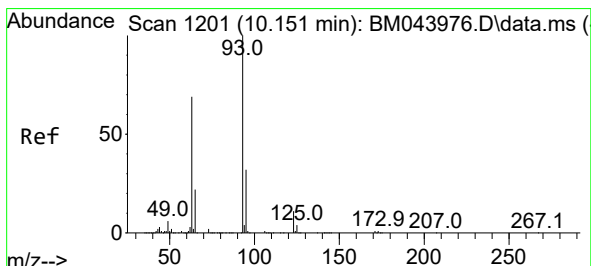
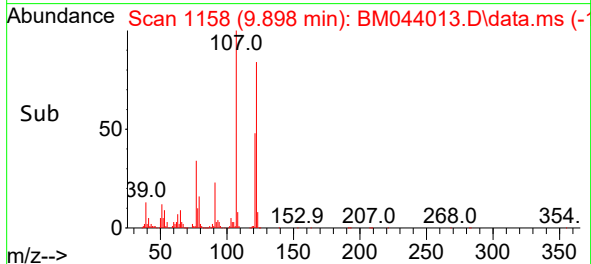
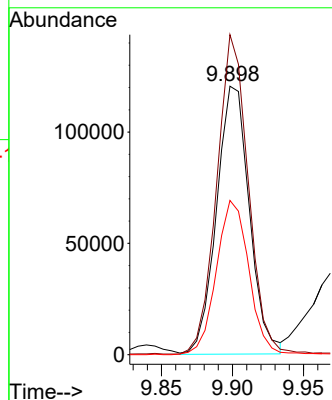
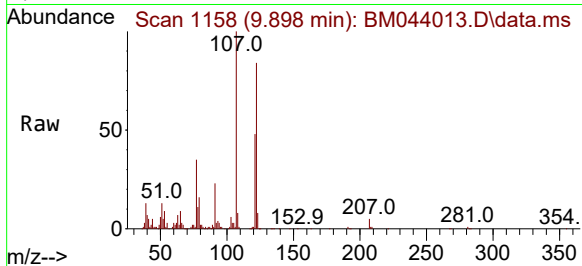




#27
2,4-Dimethylphenol
Concen: 6.961 ng
RT: 9.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

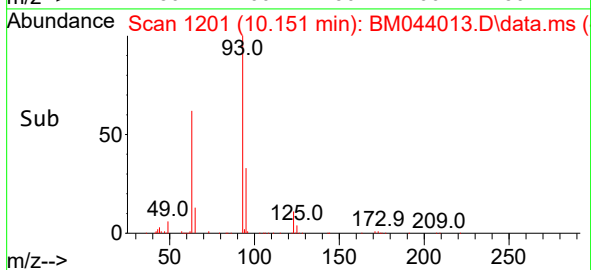
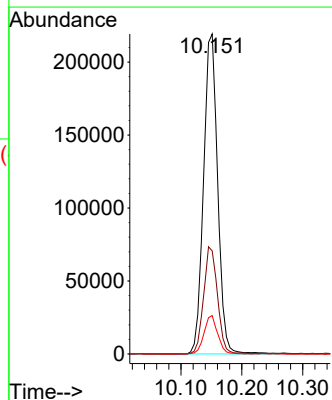
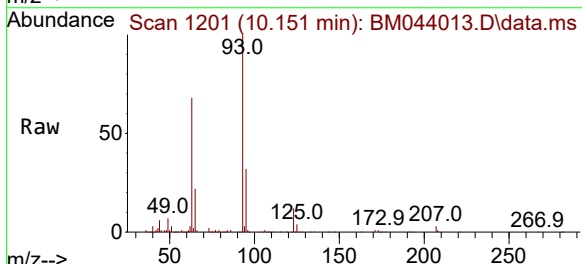
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

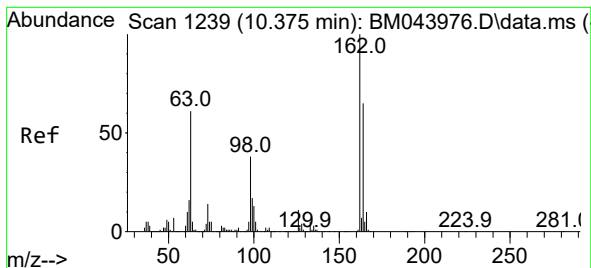
Tgt Ion:122 Resp: 193823
Ion Ratio Lower Upper
122 100
107 119.2 89.0 133.4
121 57.5 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 6.209 ng
RT: 10.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion: 93 Resp: 353003
Ion Ratio Lower Upper
93 100
95 32.2 25.9 38.9
123 12.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 5.721 ng

RT: 10.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

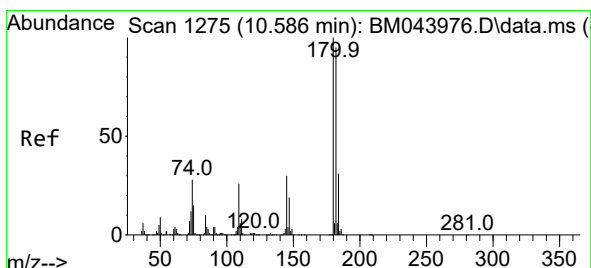
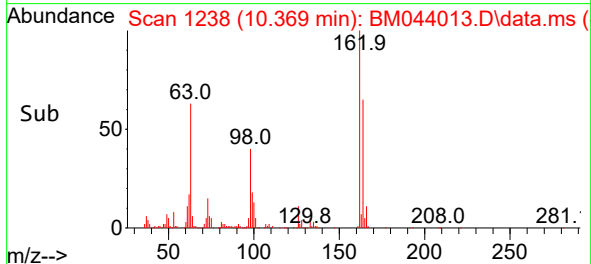
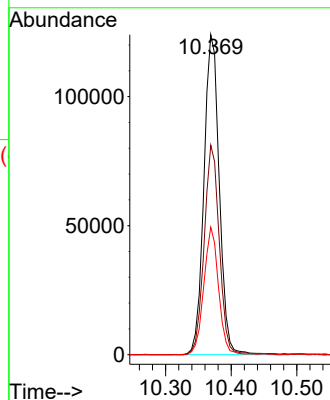
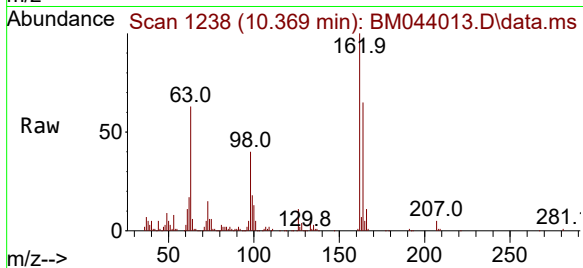
Tgt Ion:162 Resp: 203179

Ion Ratio Lower Upper

162 100

164 65.5 45.1 85.1

98 39.9 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 5.861 ng

RT: 10.586 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

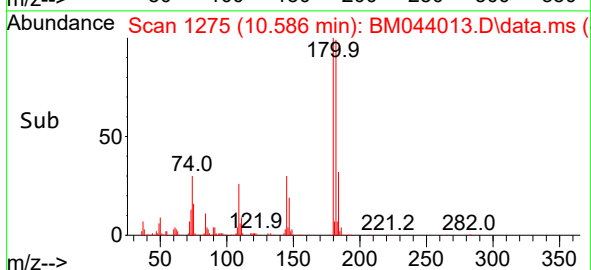
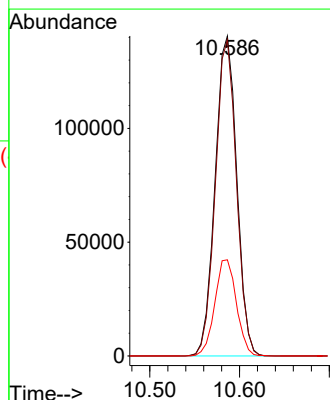
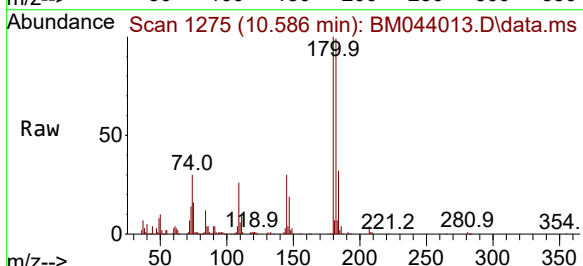
Tgt Ion:180 Resp: 235100

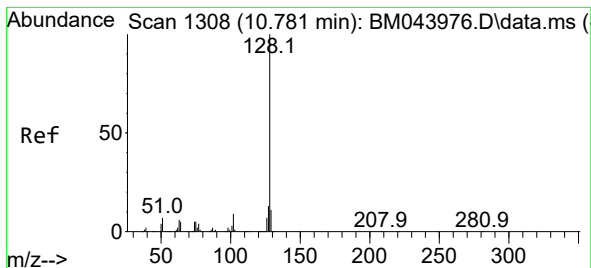
Ion Ratio Lower Upper

180 100

182 98.9 76.0 114.0

145 30.0 24.2 36.2





#31

Naphthalene

Concen: 5.821 ng

RT: 10.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

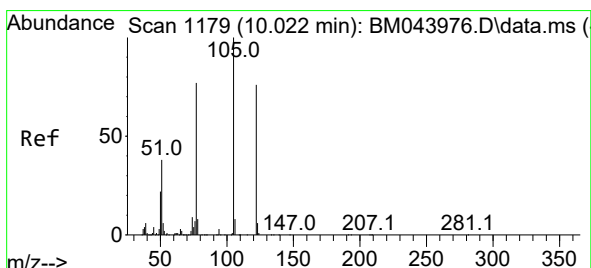
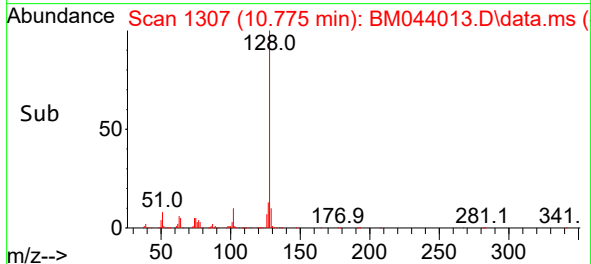
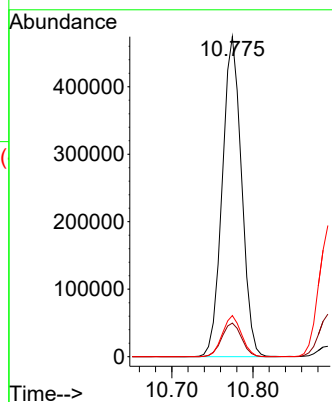
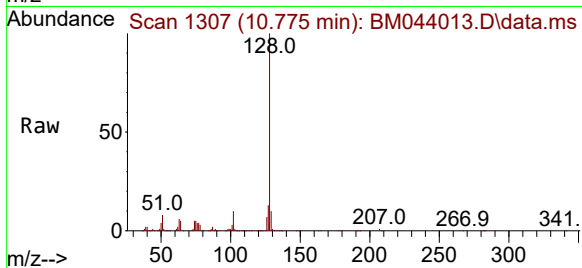
Tgt Ion:128 Resp: 782086

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

127 12.9 10.1 15.1



#32

Benzoic acid

Concen: 9.288 ng

RT: 9.975 min Scan# 1171

Delta R.T. -0.047 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

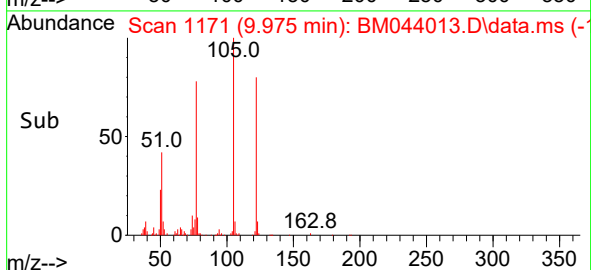
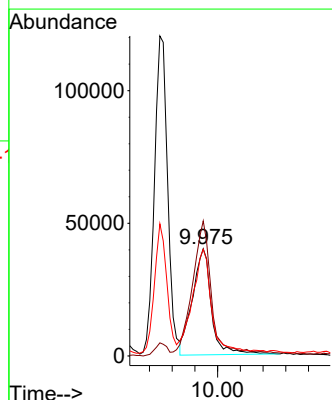
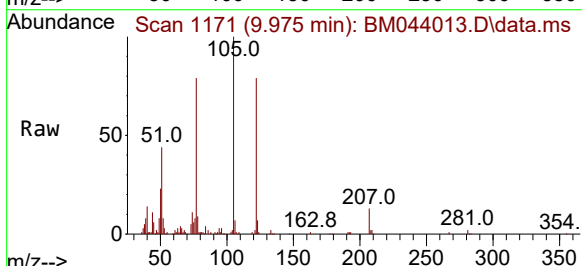
Tgt Ion:122 Resp: 92705

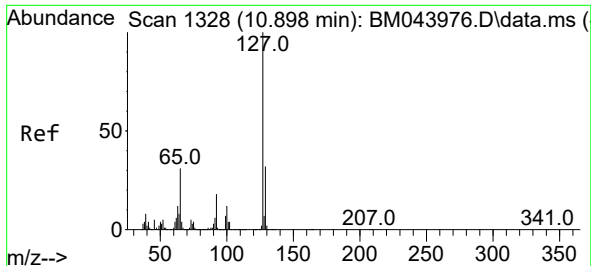
Ion Ratio Lower Upper

122 100

105 126.0 109.4 149.4

77 99.6 80.5 120.5

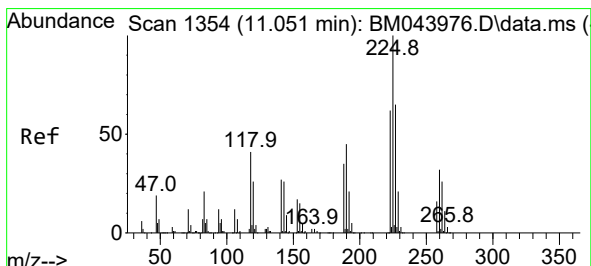
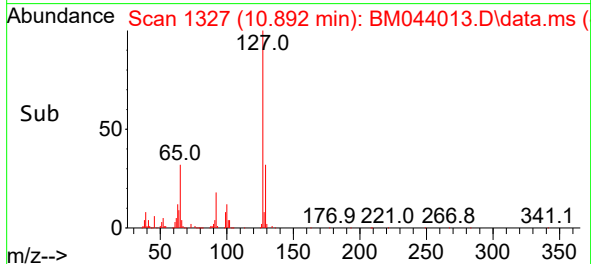
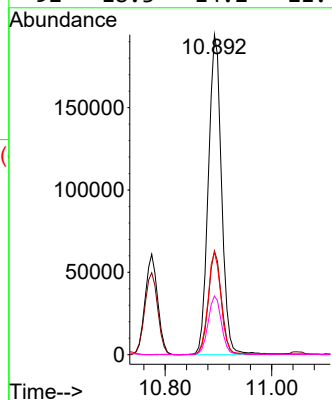
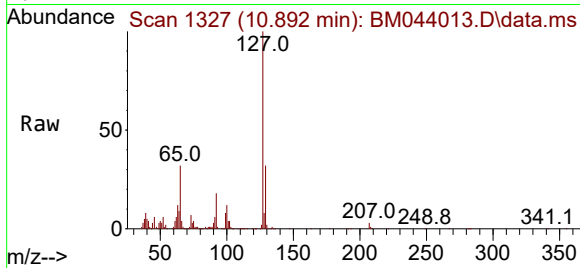




#33
4-Chloroaniline
Concen: 6.082 ng
RT: 10.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

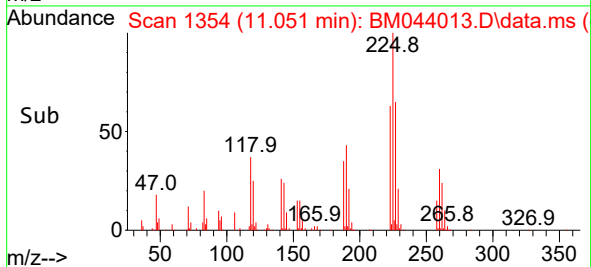
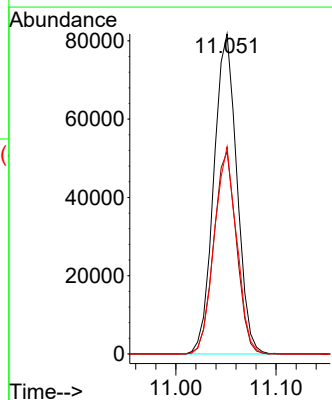
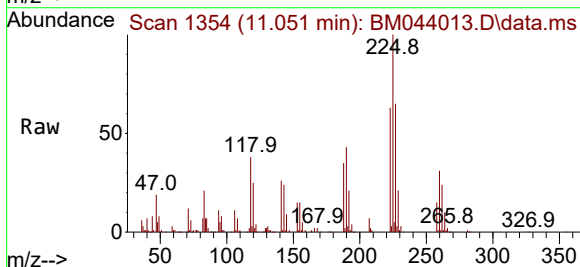
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

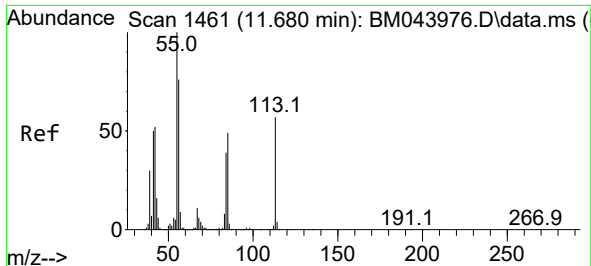
Tgt Ion:	127	Resp:	335909
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.6	38.4
65	32.1	24.5	36.7
92	18.3	14.2	21.4



#34
Hexachlorobutadiene
Concen: 5.975 ng
RT: 11.051 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:	225	Resp:	130720
Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.8
227	64.8	51.7	77.5

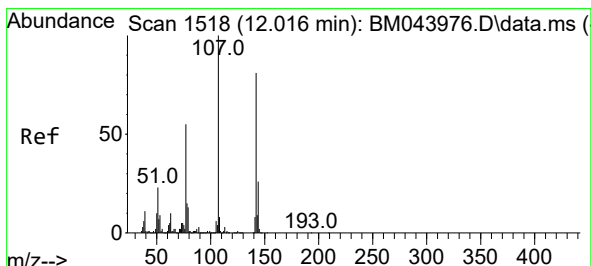
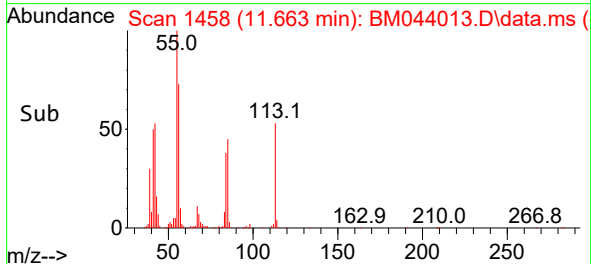
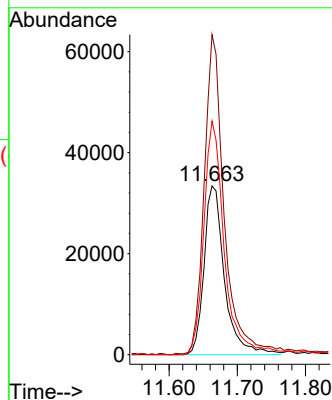
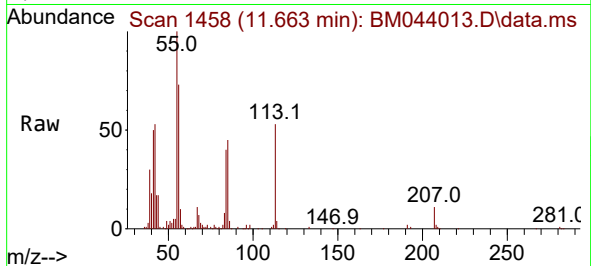




#35
Caprolactam
Concen: 4.794 ng
RT: 11.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

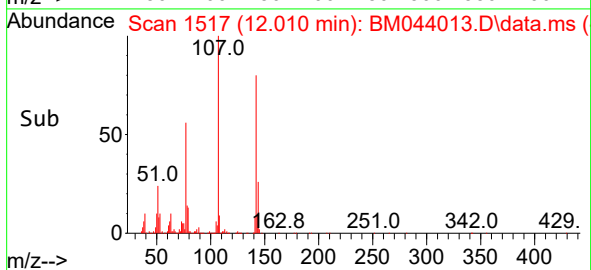
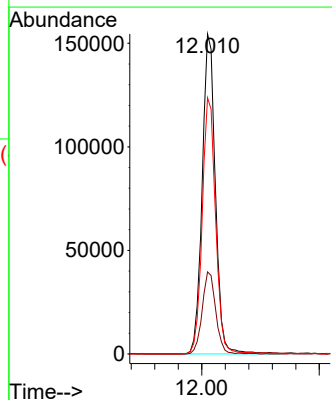
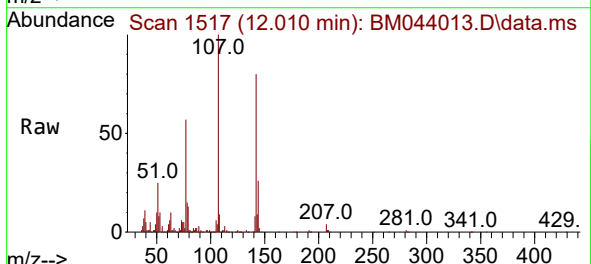
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

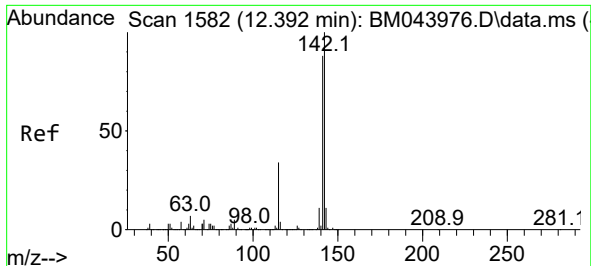
Tgt Ion:113 Resp: 69814
Ion Ratio Lower Upper
113 100
55 189.6 154.3 194.3
56 138.4 112.2 152.2



#36
4-Chloro-3-methylphenol
Concen: 5.533 ng
RT: 12.010 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:107 Resp: 240612
Ion Ratio Lower Upper
107 100
144 25.7 21.1 31.7
142 80.1 65.0 97.4

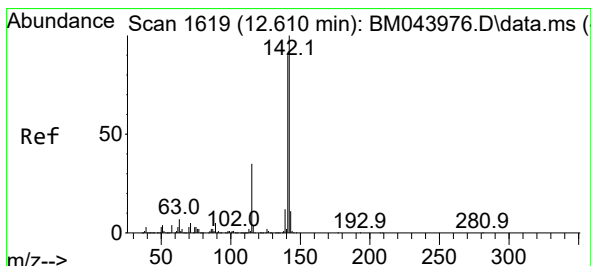
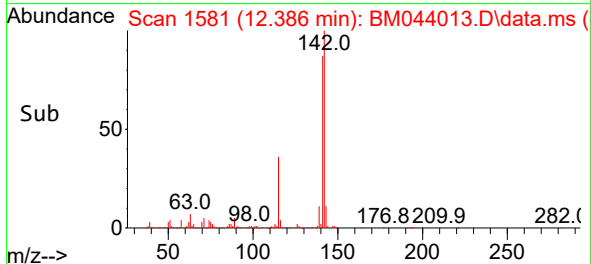
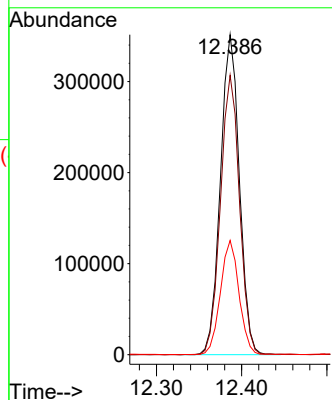
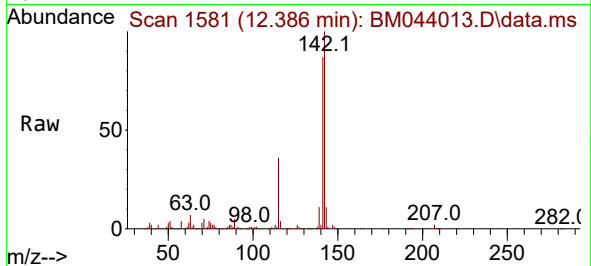




#37
2-Methylnaphthalene
Concen: 5.798 ng
RT: 12.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

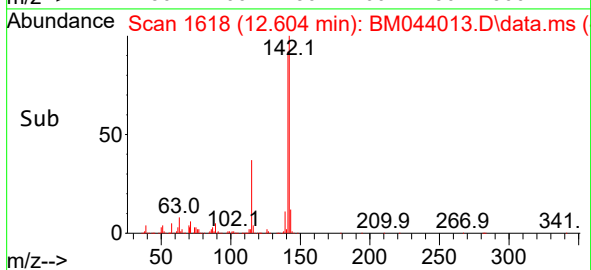
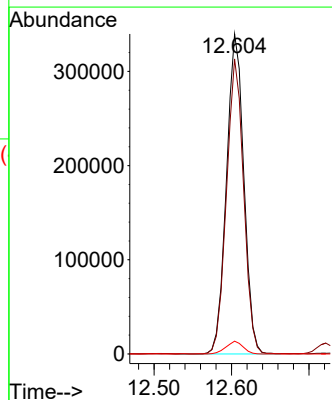
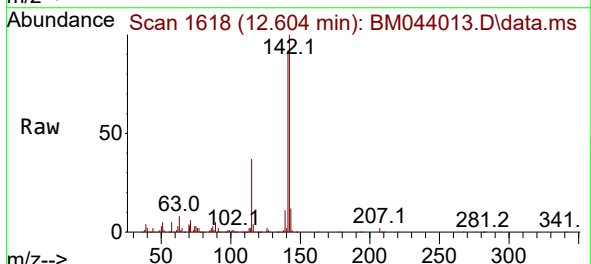
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

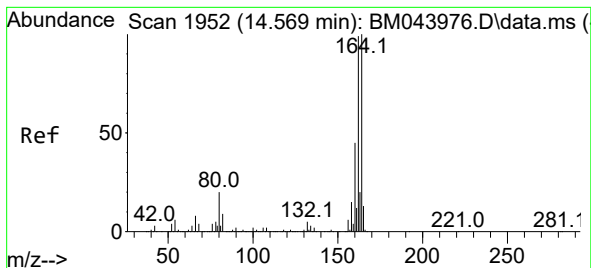
Tgt Ion:142 Resp: 543295
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.2
115 35.7 27.2 40.8



#38
1-Methylnaphthalene
Concen: 5.667 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:142 Resp: 530051
Ion Ratio Lower Upper
142 100
141 92.2 72.1 108.1
116 4.0 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM044013.D

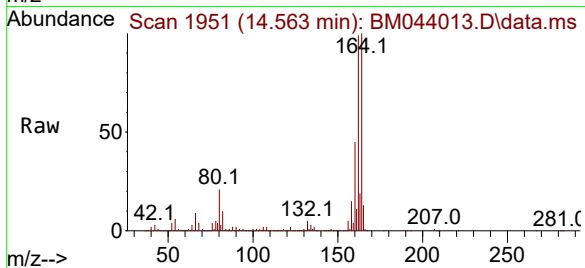
Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

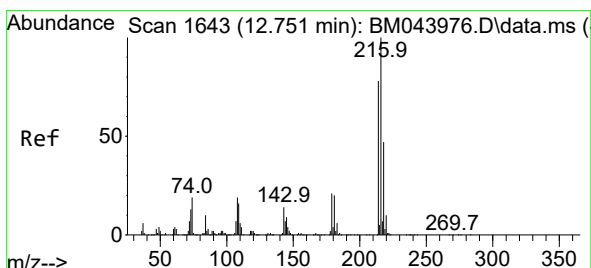
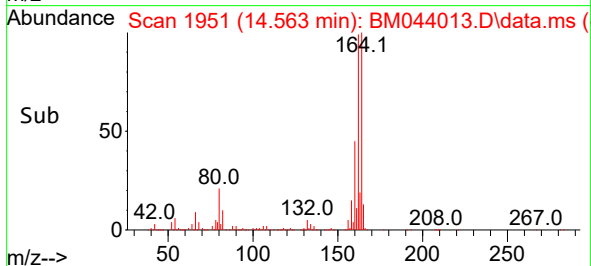
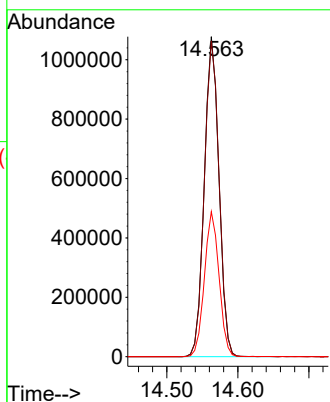
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:164 Resp: 1547385

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.4
160	45.3	35.8	53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.065 ng

RT: 12.745 min Scan# 1642

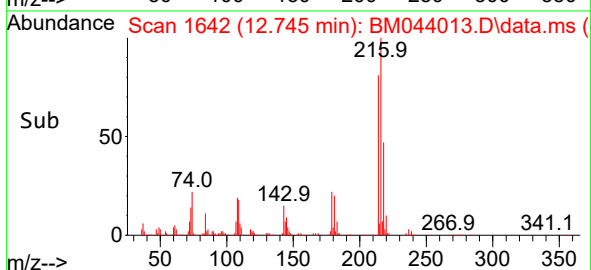
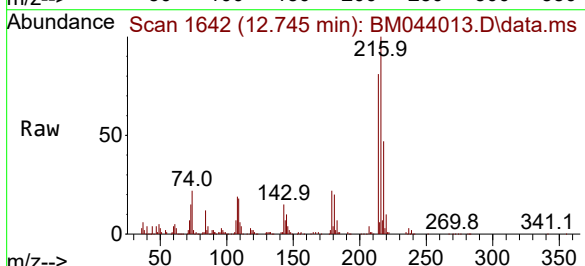
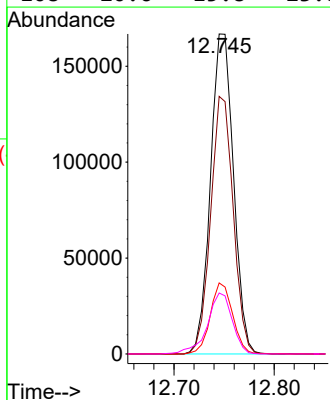
Delta R.T. -0.006 min

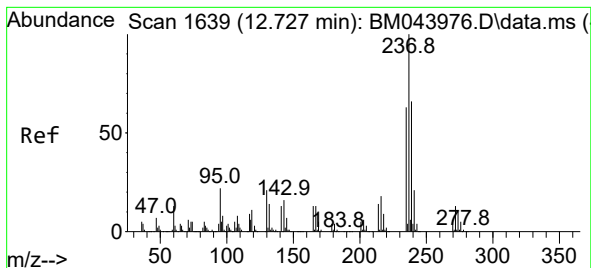
Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Tgt Ion:216 Resp: 266186

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.6	94.0
179	21.5	16.7	25.1
108	20.6	15.8	23.8





#41

Hexachlorocyclopentadiene

Concen: 8.249 ng

RT: 12.722 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

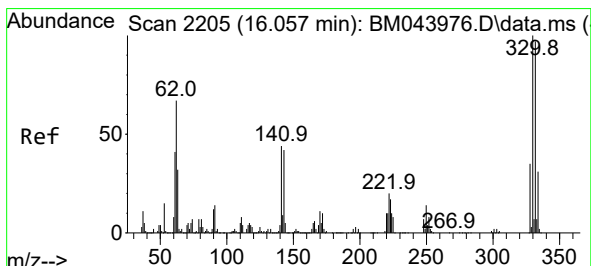
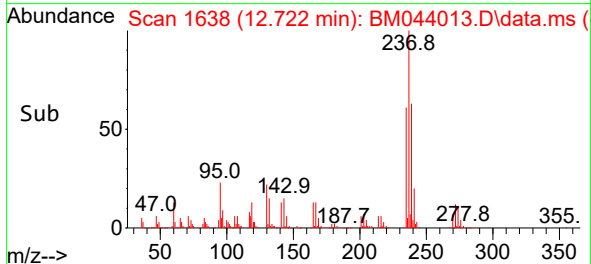
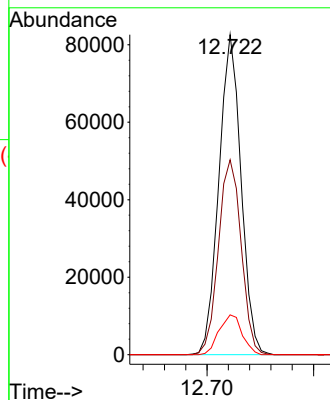
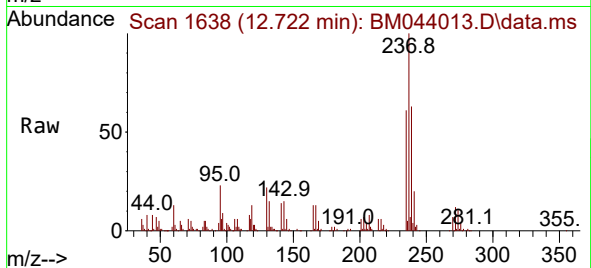
Tgt Ion:237 Resp: 119068

Ion Ratio Lower Upper

237 100

235 60.9 43.5 83.5

272 12.5 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 73.078 ng

RT: 16.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

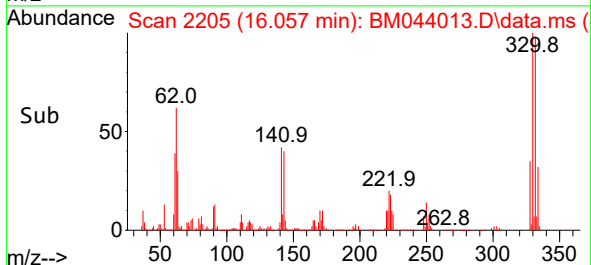
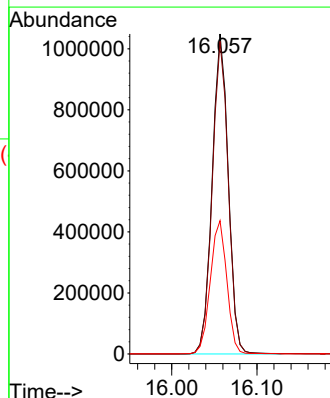
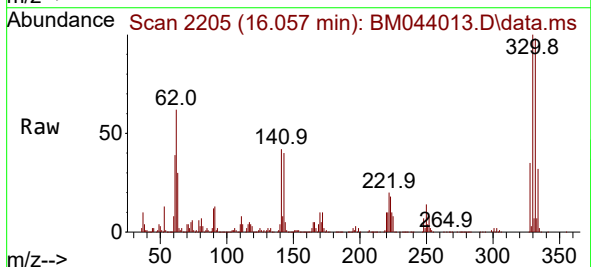
Tgt Ion:330 Resp: 1378437

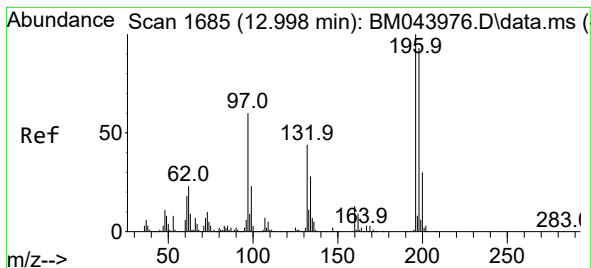
Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 42.6 33.5 50.3





#43

2,4,6-Trichlorophenol

Concen: 5.362 ng

RT: 12.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM044013.D

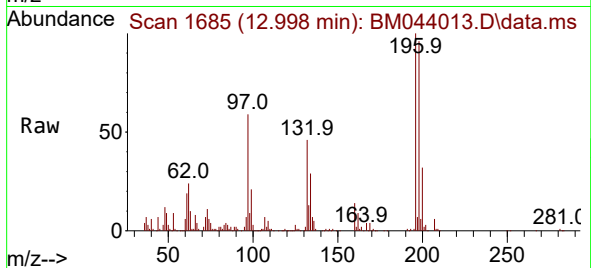
Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



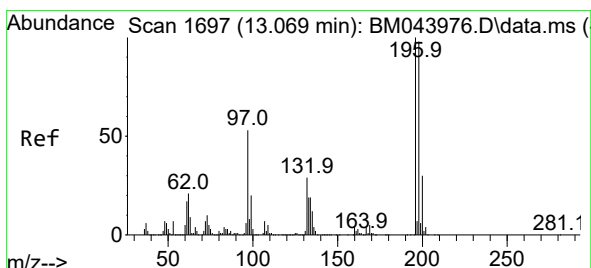
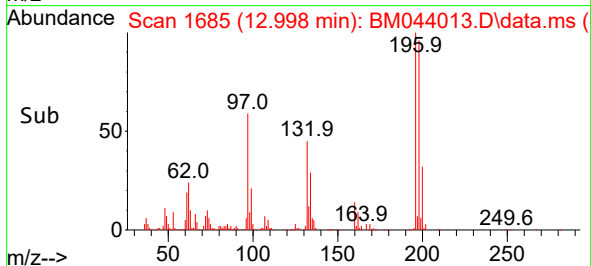
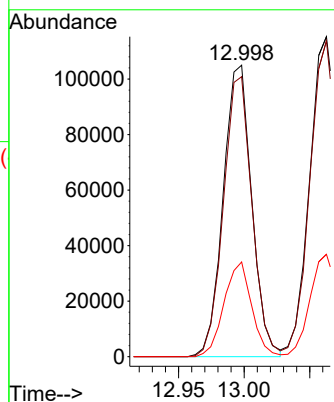
Tgt Ion:196 Resp: 159022

Ion Ratio Lower Upper

196 100

198 96.1 74.2 111.2

200 32.5 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 5.334 ng

RT: 13.063 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Tgt Ion:196 Resp: 180499

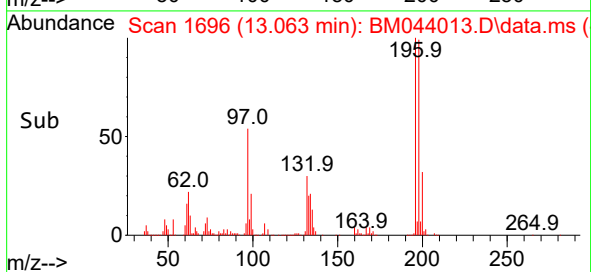
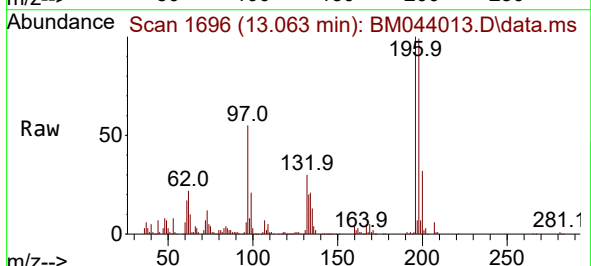
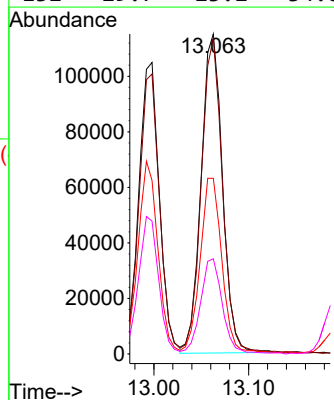
Ion Ratio Lower Upper

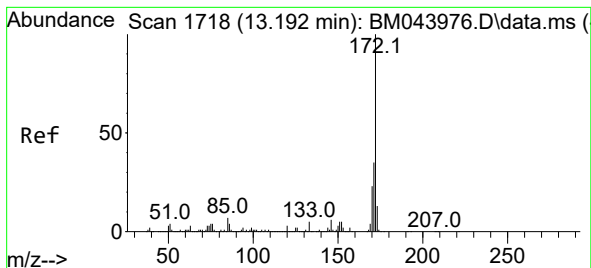
196 100

198 98.7 78.1 117.1

97 54.9 42.2 63.2

132 29.7 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 60.453 ng

RT: 13.192 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

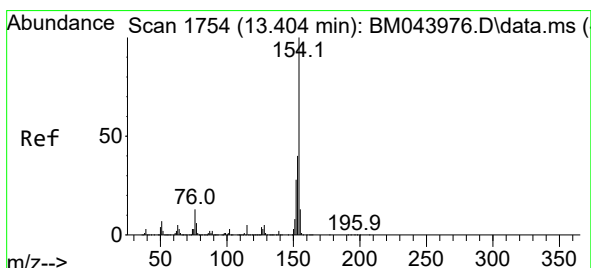
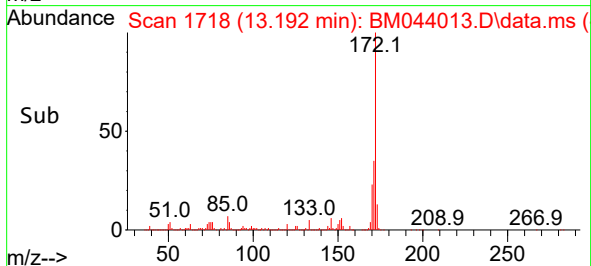
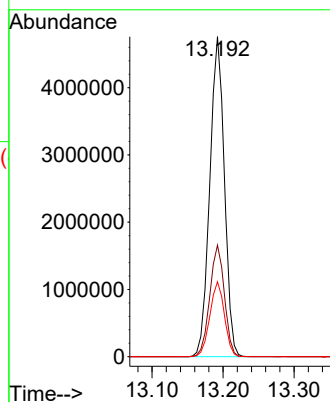
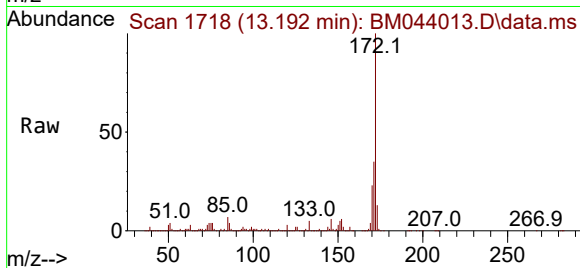
Tgt Ion:172 Resp: 6807803

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 6.115 ng

RT: 13.398 min Scan# 1753

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

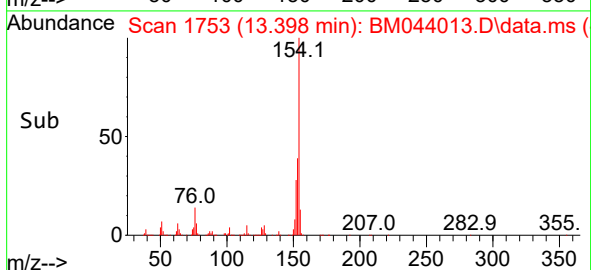
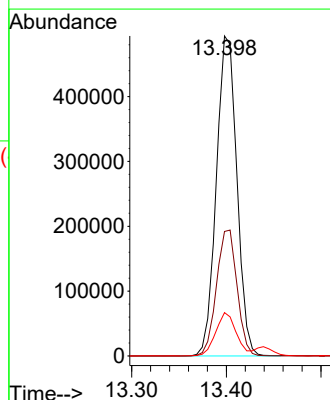
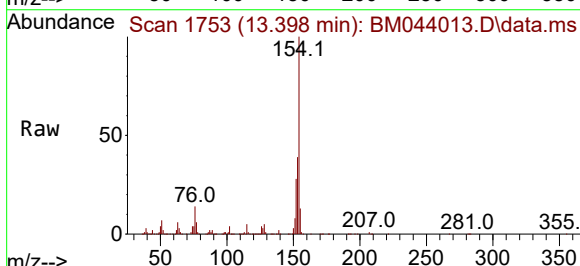
Tgt Ion:154 Resp: 744108

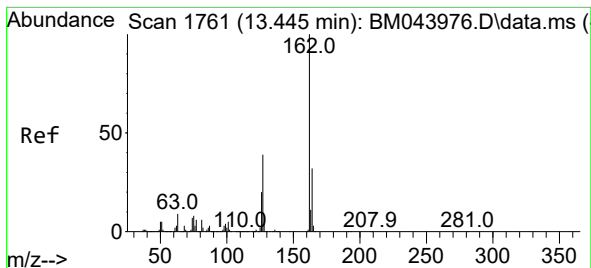
Ion Ratio Lower Upper

154 100

153 38.9 19.8 59.8

76 13.6 0.0 33.0





#47

2-Chloronaphthalene

Concen: 5.743 ng

RT: 13.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

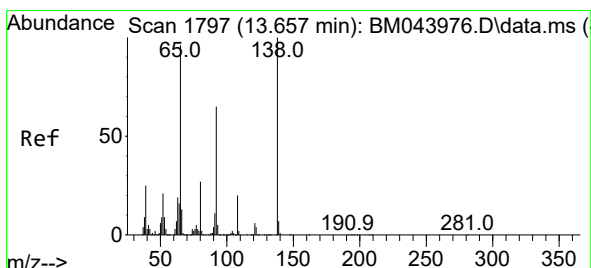
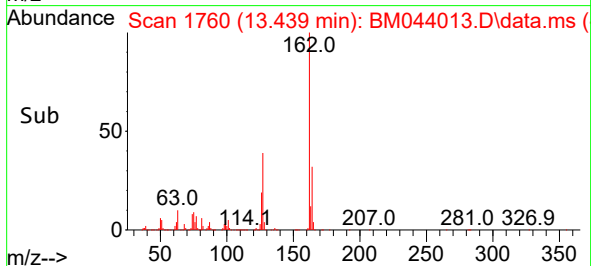
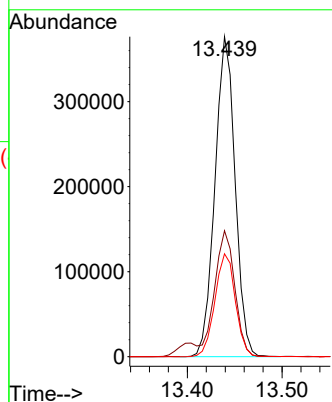
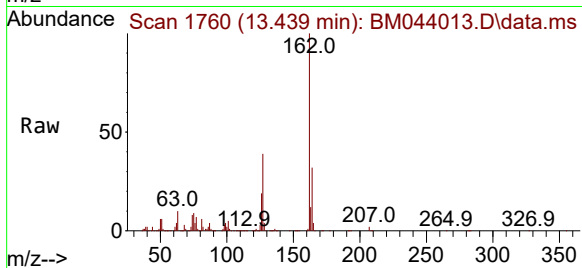
Tgt Ion:162 Resp: 557293

Ion Ratio Lower Upper

162 100

127 39.4 31.0 46.6

164 32.2 25.8 38.6



#48

2-Nitroaniline

Concen: 5.204 ng

RT: 13.651 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

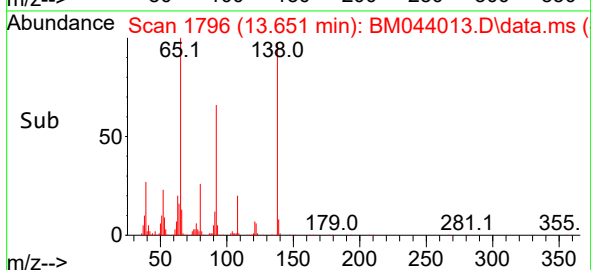
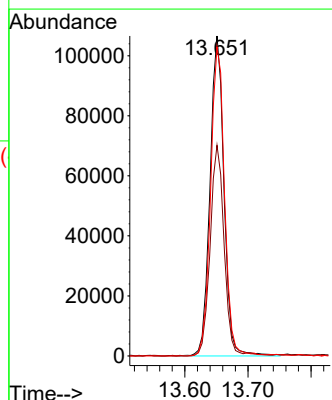
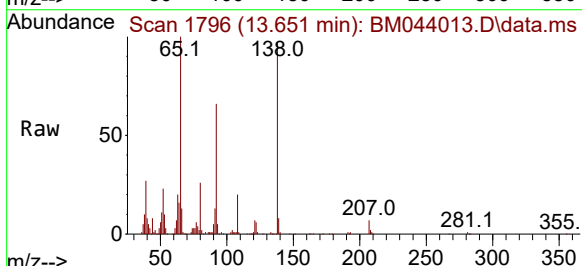
Tgt Ion: 65 Resp: 164253

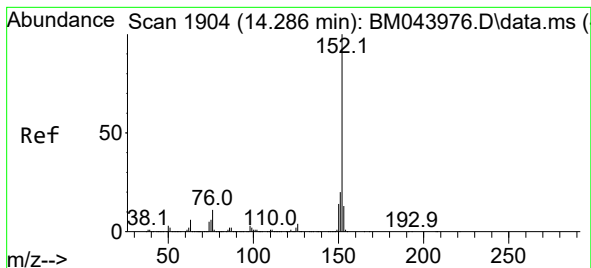
Ion Ratio Lower Upper

65 100

92 65.9 53.6 80.4

138 96.6 83.0 124.6





#49

Acenaphthylene

Concen: 6.122 ng

RT: 14.286 min Scan# 1904

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

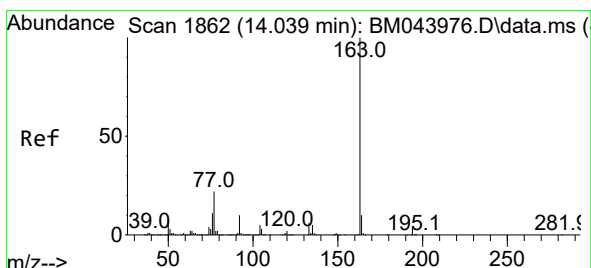
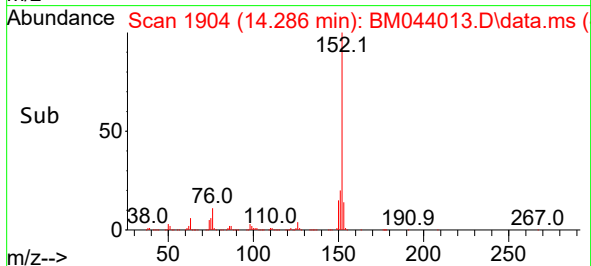
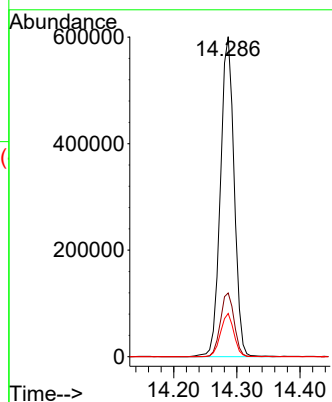
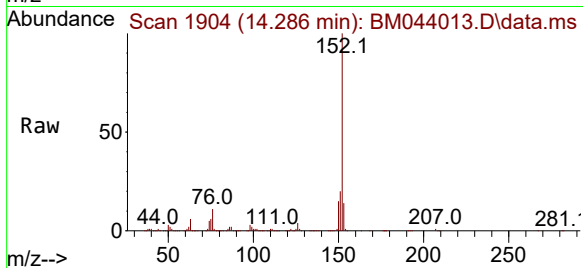
Tgt Ion:152 Resp: 908129

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 13.5 10.4 15.6



#50

Dimethylphthalate

Concen: 5.938 ng

RT: 14.033 min Scan# 1861

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

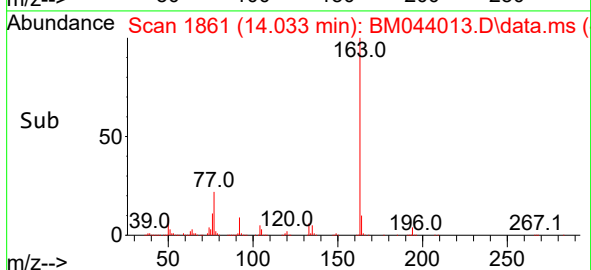
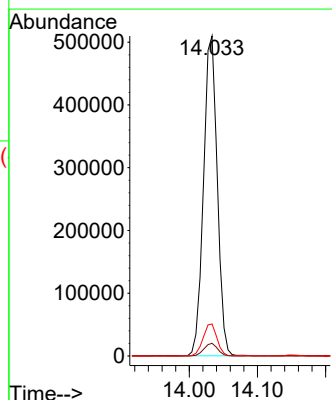
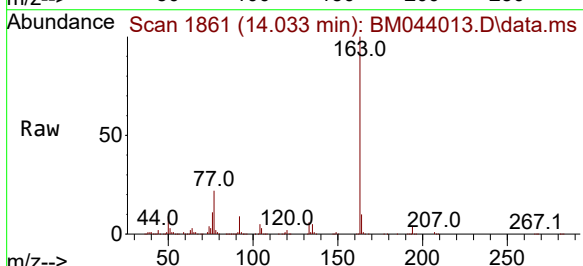
Tgt Ion:163 Resp: 713730

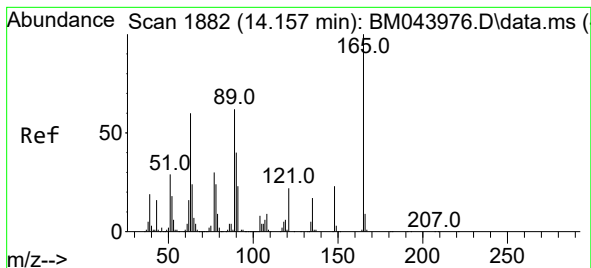
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 5.263 ng

RT: 14.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

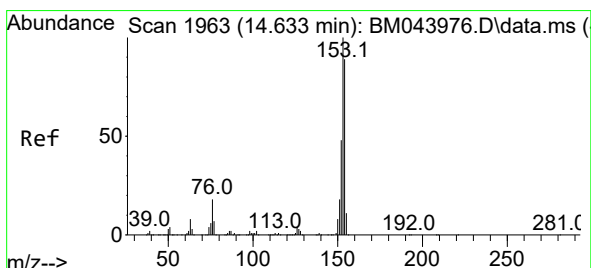
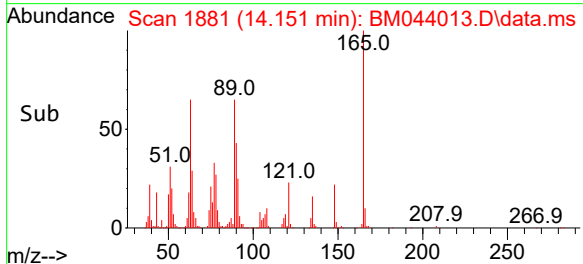
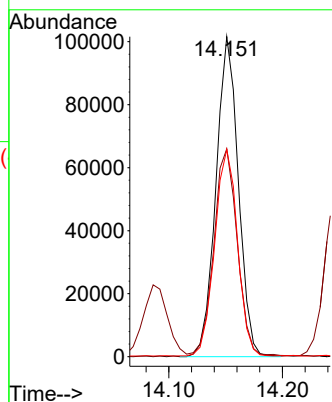
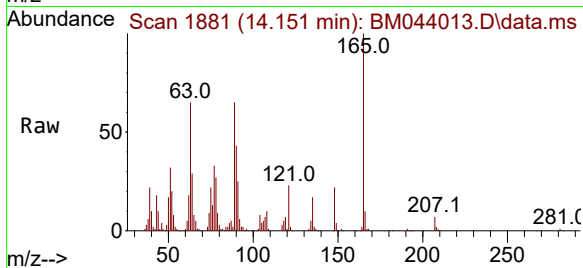
Tgt Ion:165 Resp: 139045

Ion Ratio Lower Upper

165 100

63 64.9 51.1 76.7

89 64.8 49.5 74.3



#52

Acenaphthene

Concen: 5.708 ng

RT: 14.627 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

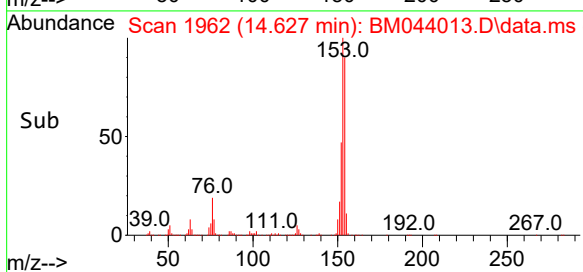
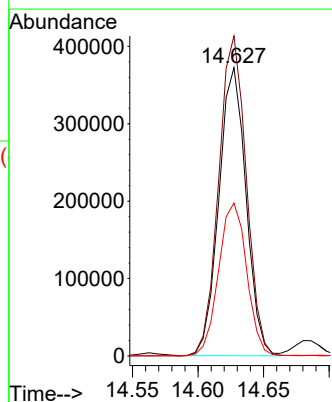
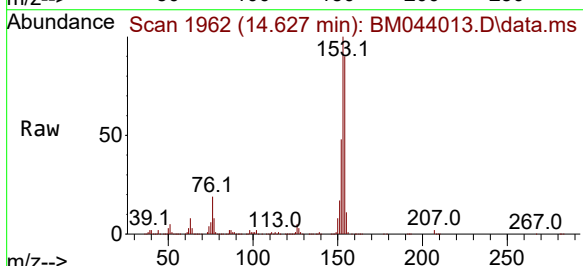
Tgt Ion:154 Resp: 536746

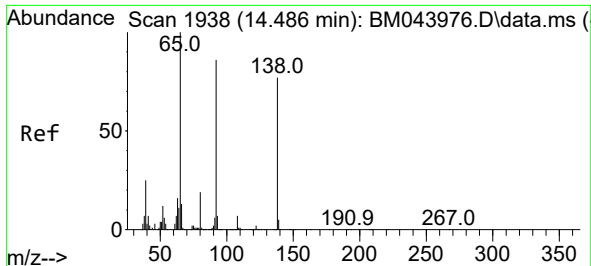
Ion Ratio Lower Upper

154 100

153 111.0 90.1 135.1

152 53.0 43.6 65.4

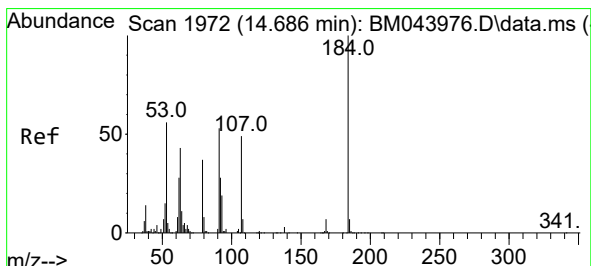
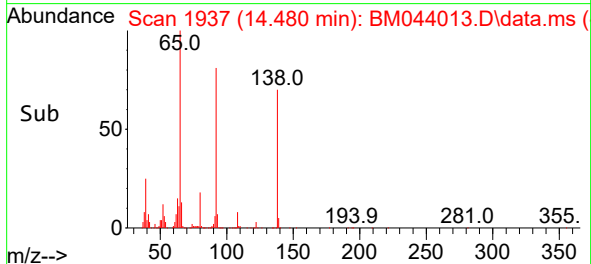
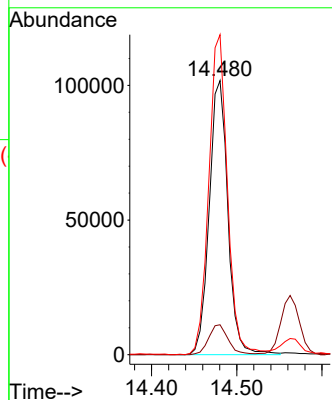
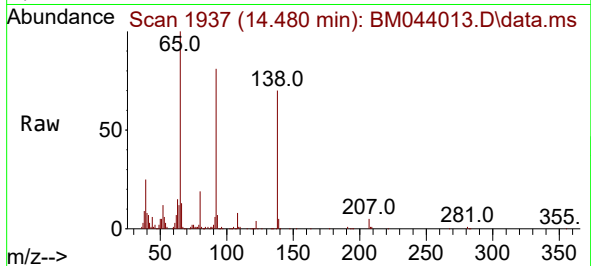




#53
3-Nitroaniline
Concen: 5.054 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

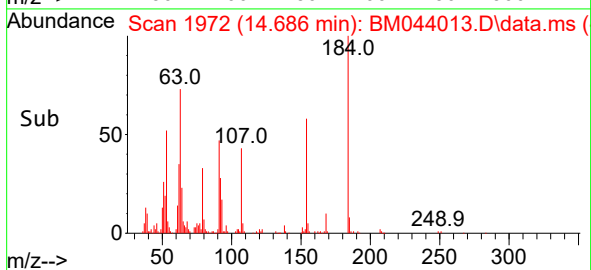
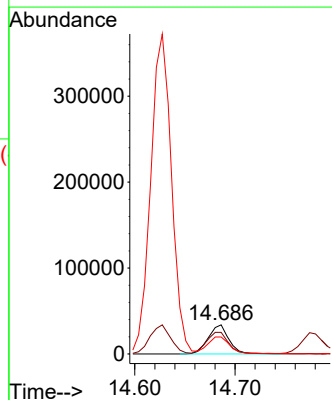
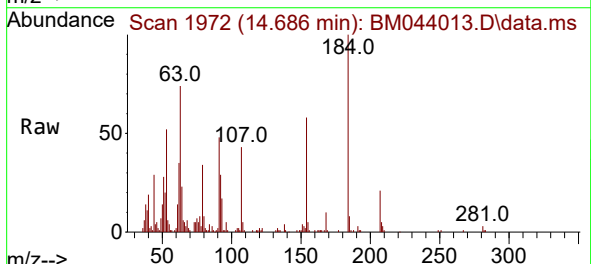
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

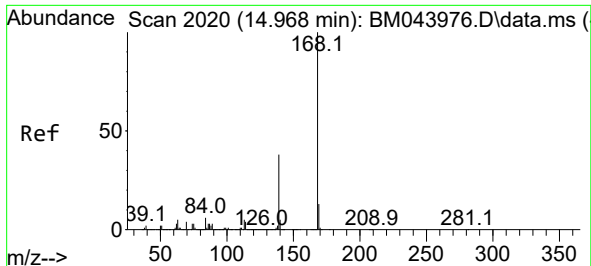
Tgt Ion:138 Resp: 155013
Ion Ratio Lower Upper
138 100
108 10.9 7.8 11.6
92 116.8 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 10.108 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:184 Resp: 48529
Ion Ratio Lower Upper
184 100
63 73.8 62.8 94.2
154 58.0 51.4 77.2

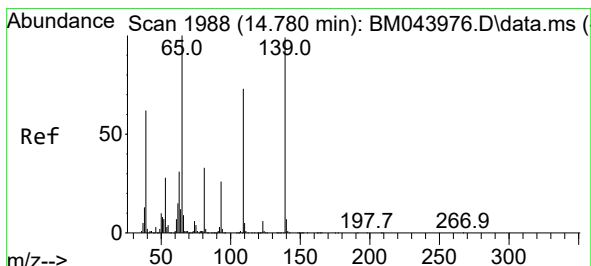
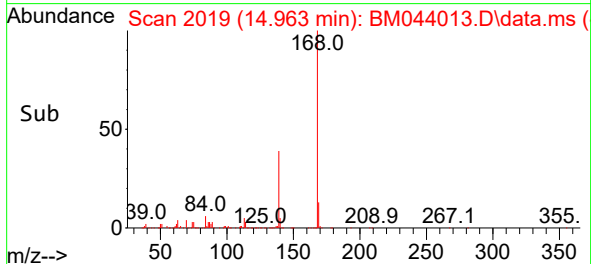
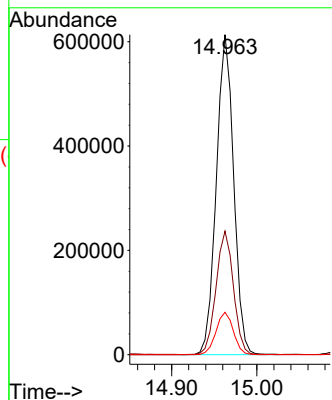
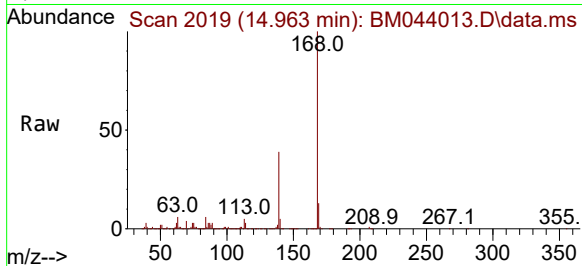




#55
Dibenzofuran
Concen: 5.925 ng
RT: 14.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

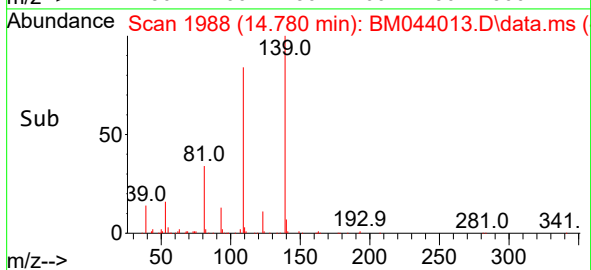
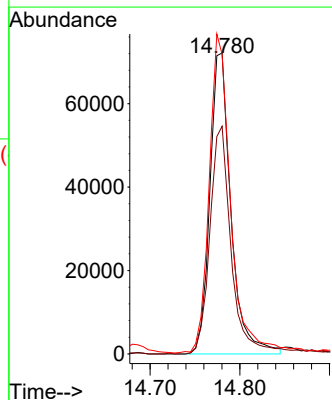
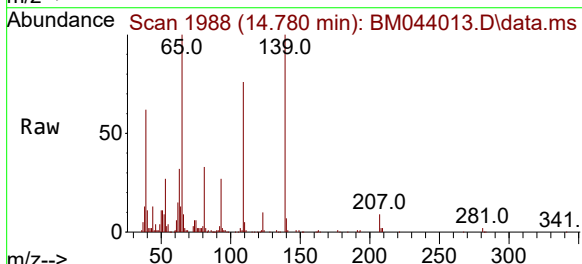
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

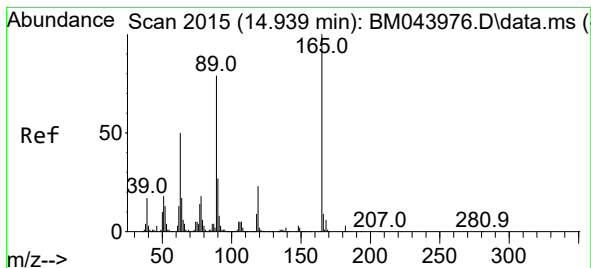
Tgt Ion:168 Resp: 867094
Ion Ratio Lower Upper
168 100
139 38.6 30.7 46.1
169 13.2 10.5 15.7



#56
4-Nitrophenol
Concen: 4.402 ng
RT: 14.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:139 Resp: 117996
Ion Ratio Lower Upper
139 100
109 75.6 53.2 93.2
65 99.5 80.7 120.7

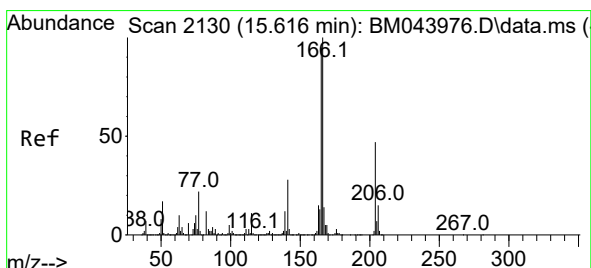
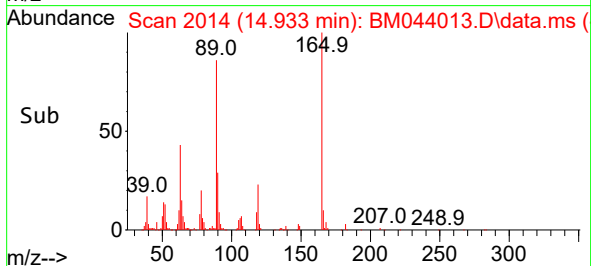
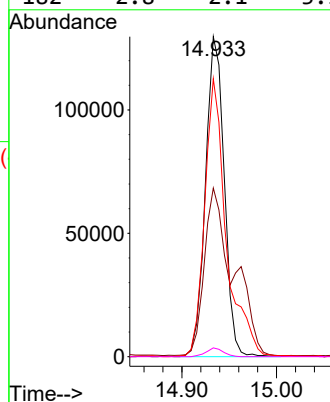
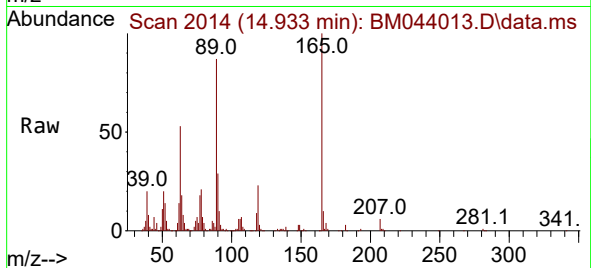




#57
2,4-Dinitrotoluene
Concen: 4.851 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

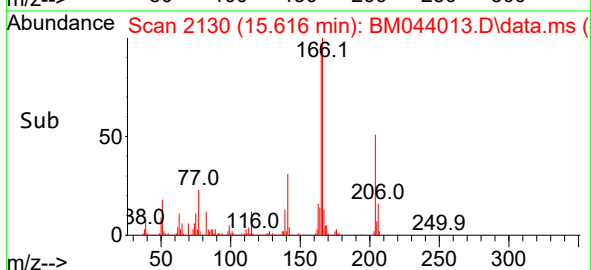
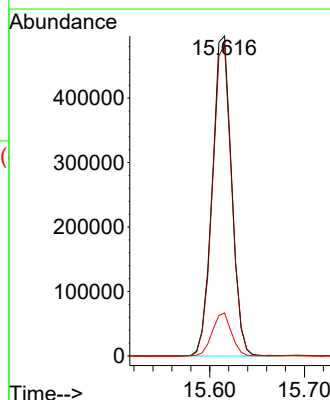
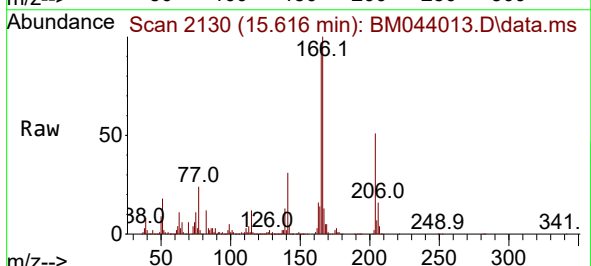
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

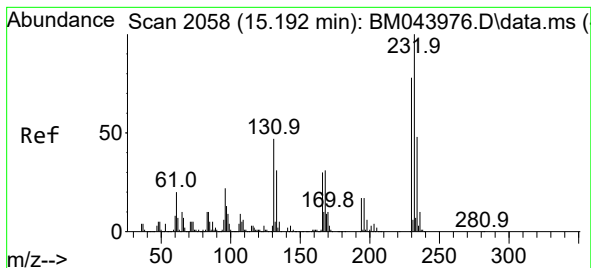
Tgt Ion:165 Resp: 178415
Ion Ratio Lower Upper
165 100
63 52.7 40.2 60.4
89 86.8 63.3 94.9
182 2.8 2.1 3.1



#58
Fluorene
Concen: 5.681 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:166 Resp: 702069
Ion Ratio Lower Upper
166 100
165 97.3 76.3 114.5
167 13.4 10.9 16.3

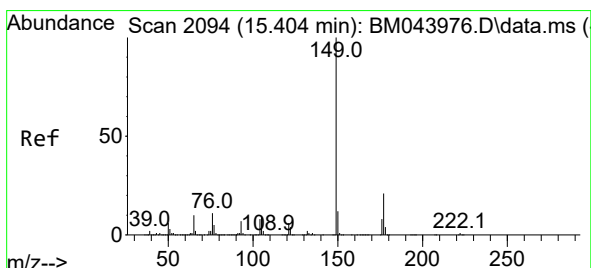
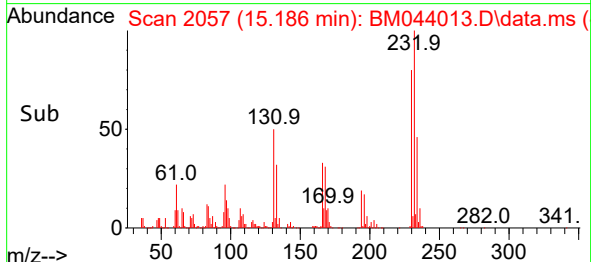
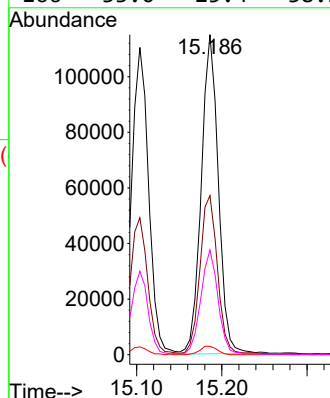
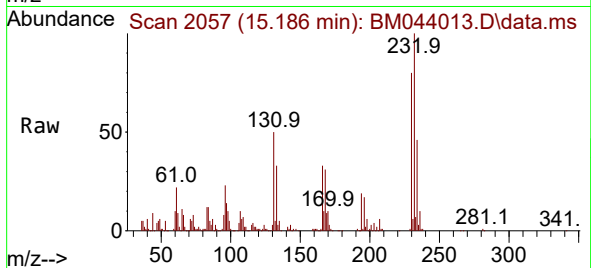




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.485 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

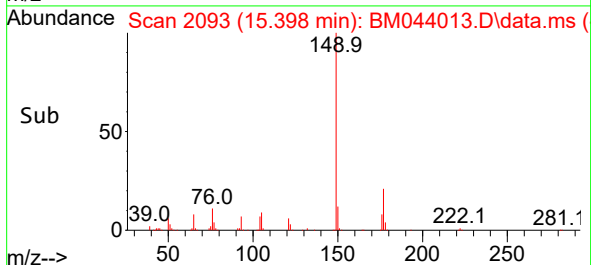
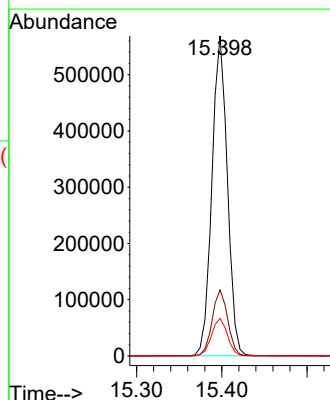
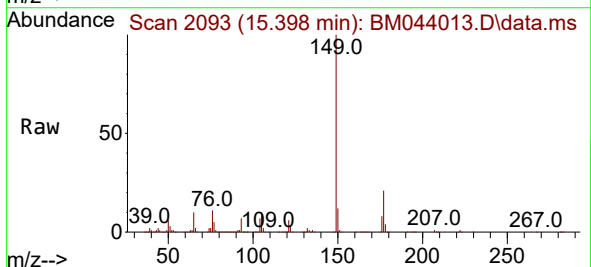
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

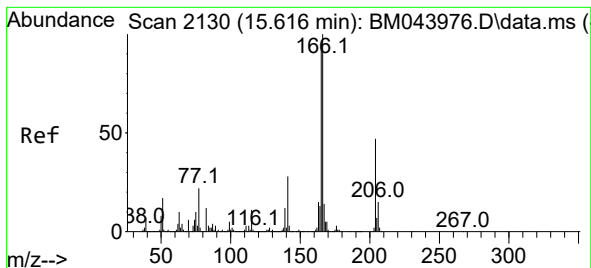
Tgt Ion:232 Resp: 160002
Ion Ratio Lower Upper
232 100
131 51.4 39.8 59.6
130 2.7 2.0 3.0
166 33.0 25.4 38.2



#60
Diethylphthalate
Concen: 5.742 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:149 Resp: 714510
Ion Ratio Lower Upper
149 100
177 20.6 17.1 25.7
150 11.7 9.8 14.6

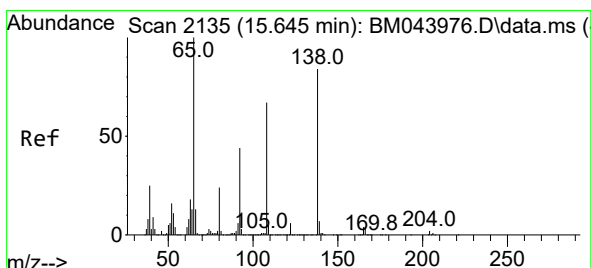
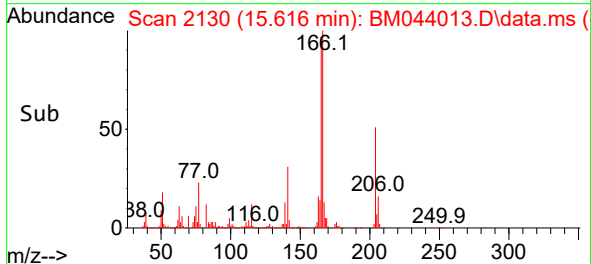
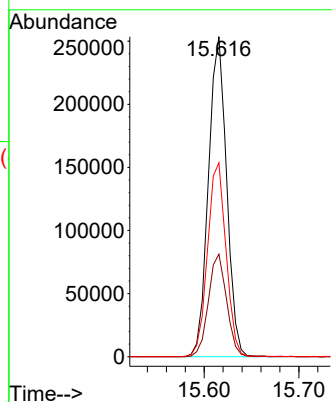
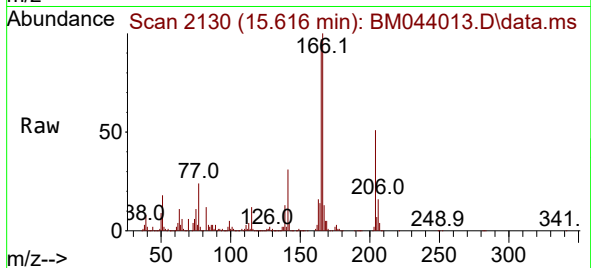




#61
4-Chlorophenyl-phenylether
Concen: 5.864 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

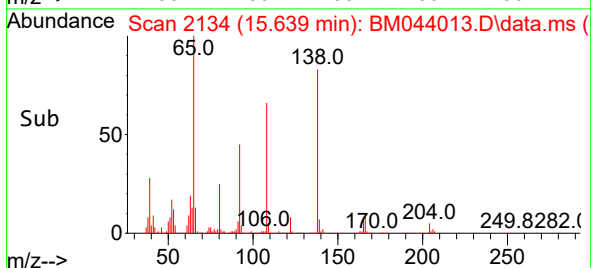
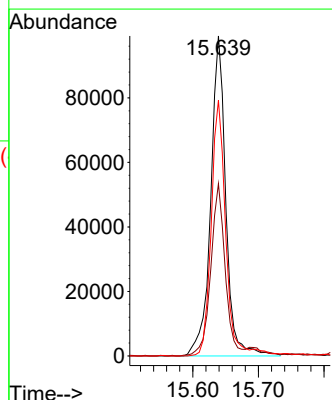
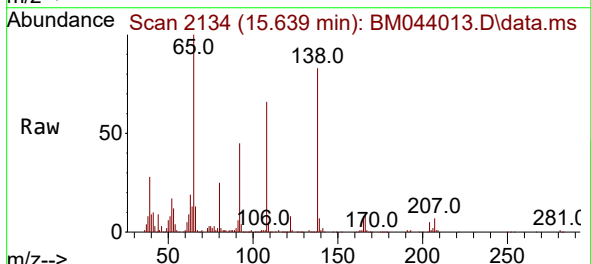
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

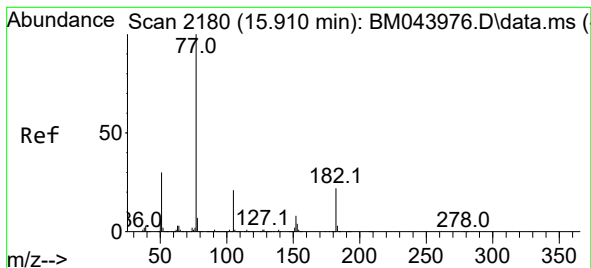
Tgt Ion:204 Resp: 338094
Ion Ratio Lower Upper
204 100
206 32.0 26.2 39.2
141 60.6 48.6 72.8



#62
4-Nitroaniline
Concen: 4.756 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:138 Resp: 159479
Ion Ratio Lower Upper
138 100
92 53.9 32.7 72.7
108 79.9 60.0 100.0





#63

Azobenzene

Concen: 5.862 ng

RT: 15.910 min Scan# 2180

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 77 Resp: 728449

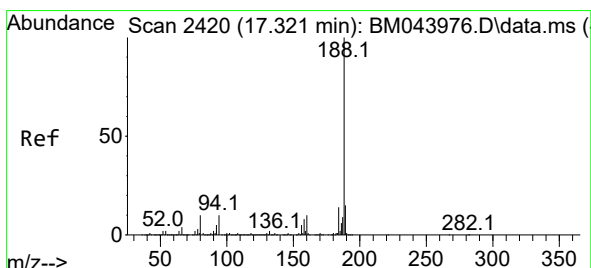
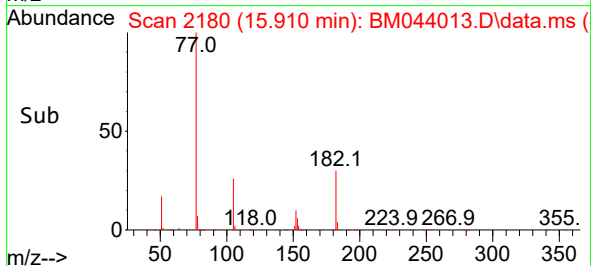
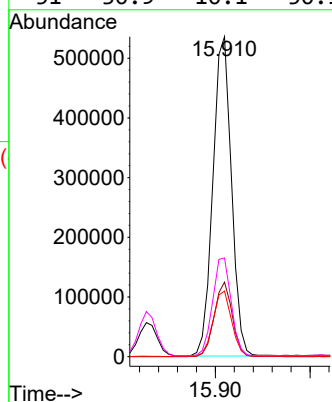
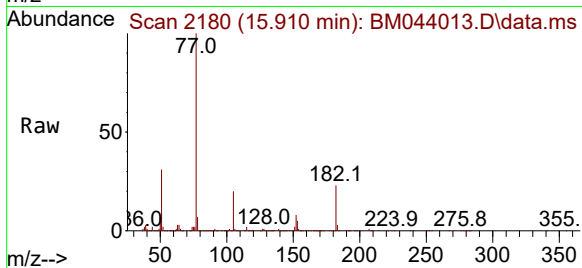
Ion Ratio Lower Upper

77 100

182 23.3 2.0 42.0

105 20.5 0.5 40.5

51 30.9 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

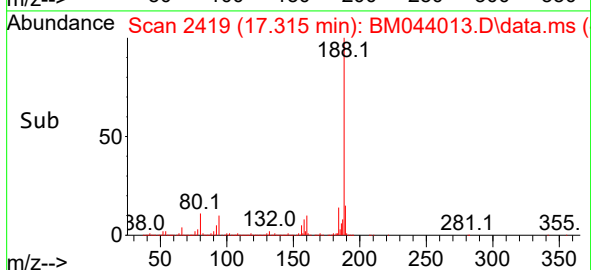
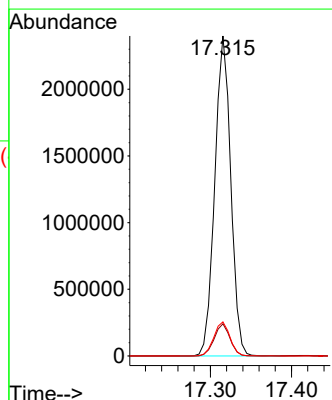
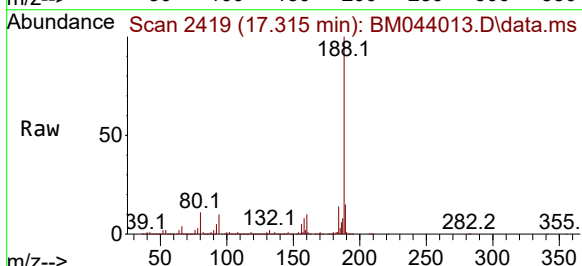
Tgt Ion:188 Resp: 3284382

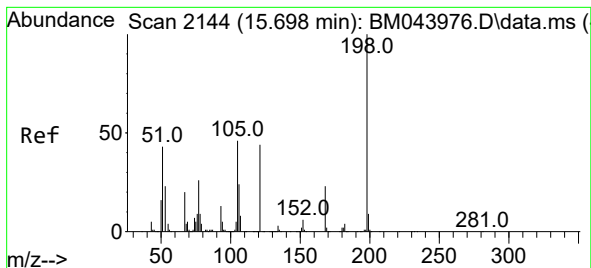
Ion Ratio Lower Upper

188 100

94 10.0 7.7 11.5

80 10.7 8.2 12.4

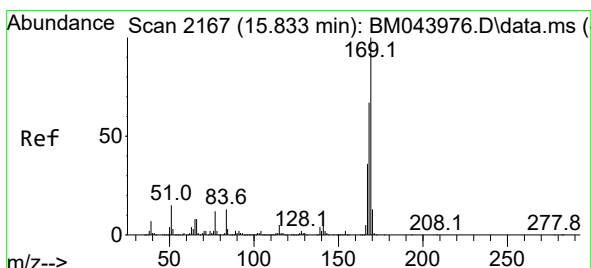
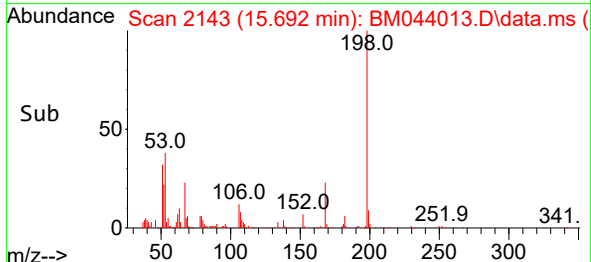
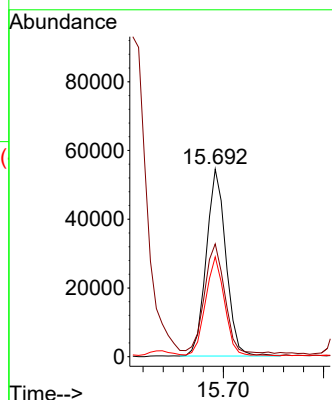
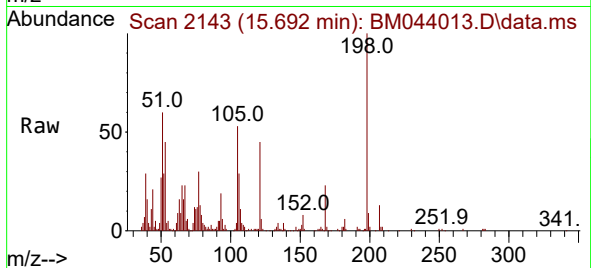




#65
4,6-Dinitro-2-methylphenol
Concen: 9.383 ng
RT: 15.692 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

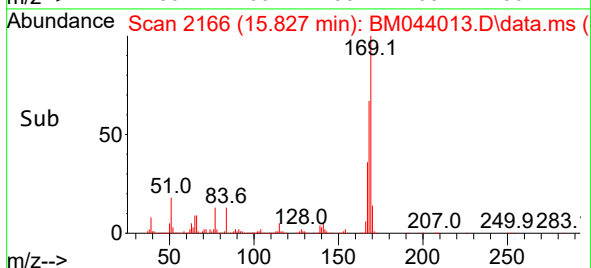
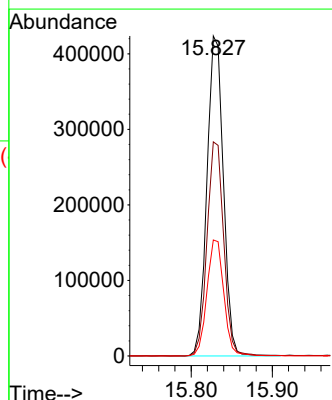
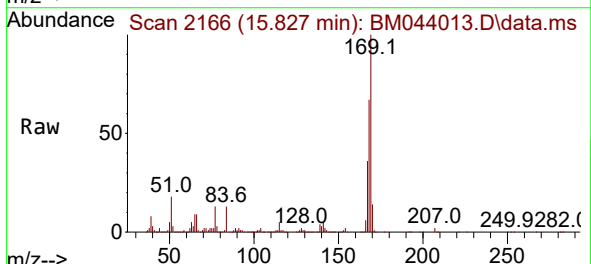
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

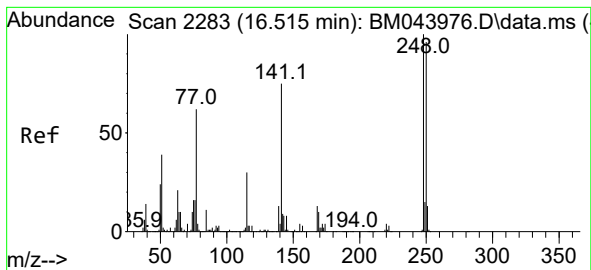
Tgt Ion:198 Resp: 74189
Ion Ratio Lower Upper
198 100
51 60.2 31.9 71.9
105 53.3 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 6.066 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:169 Resp: 593418
Ion Ratio Lower Upper
169 100
168 66.9 53.4 80.2
167 36.2 29.0 43.4

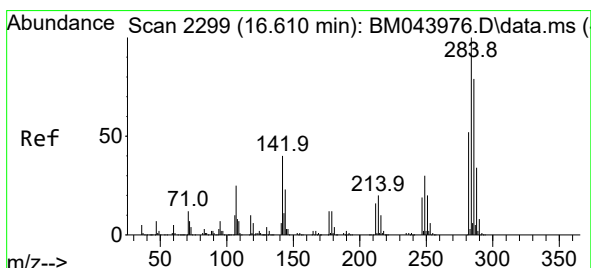
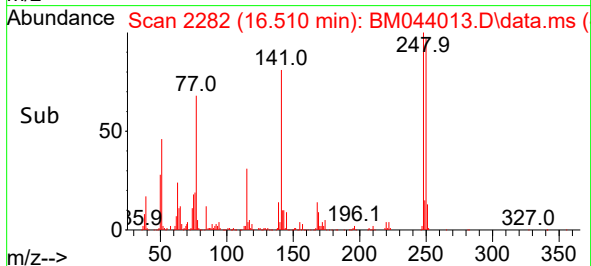
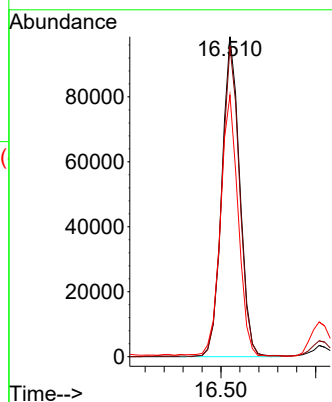
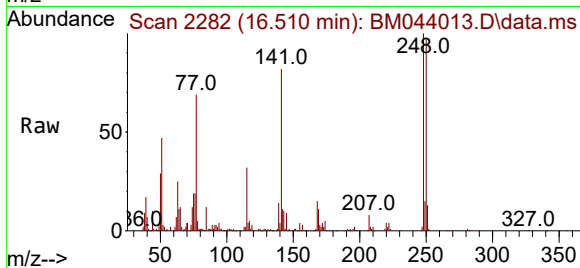




#67
4-Bromophenyl-phenylether
Concen: 3.987 ng
RT: 16.510 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

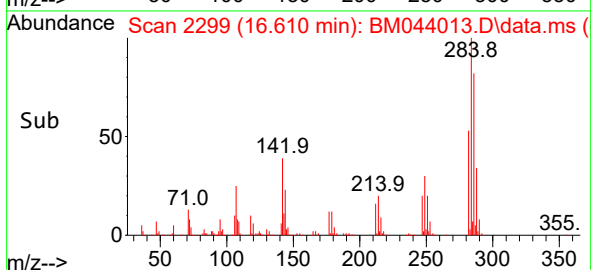
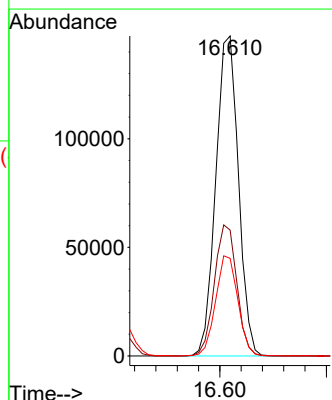
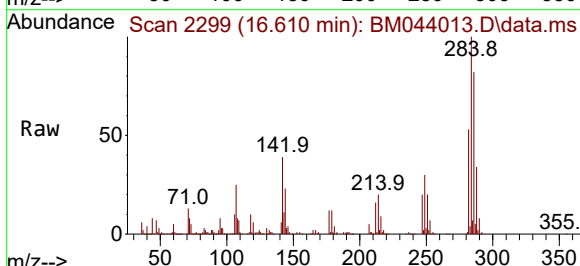
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

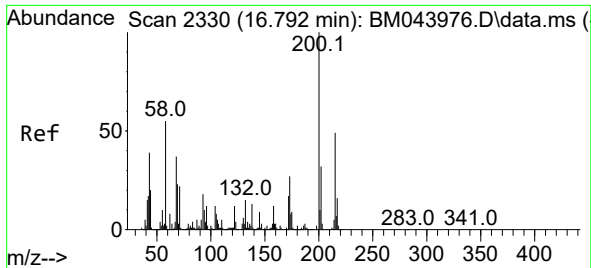
Tgt Ion:248 Resp: 128997
Ion Ratio Lower Upper
248 100
250 97.0 77.0 115.4
141 81.8 59.9 89.9



#68
Hexachlorobenzene
Concen: 5.628 ng
RT: 16.610 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:284 Resp: 217125
Ion Ratio Lower Upper
284 100
142 39.4 32.2 48.4
249 30.5 24.4 36.6

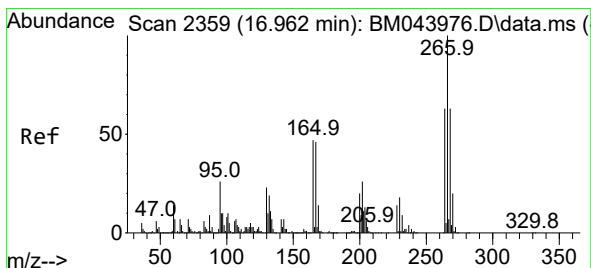
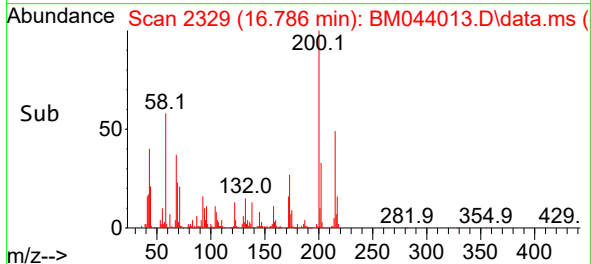
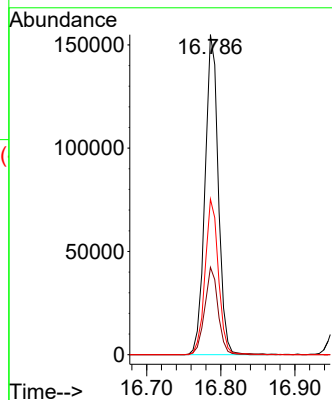
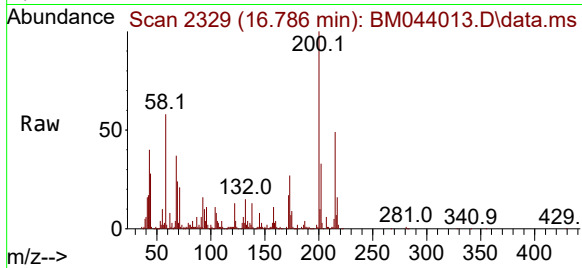




#69
 Atrazine
 Concen: 7.183 ng
 RT: 16.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM044013.D
 Acq: 07 Feb 2024 05:09

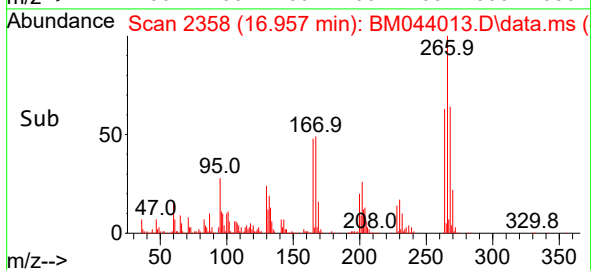
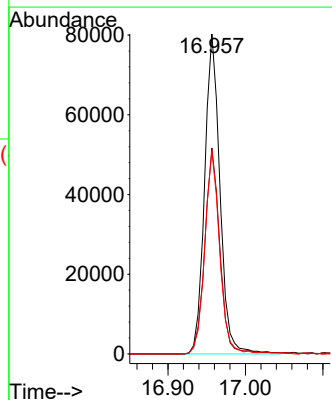
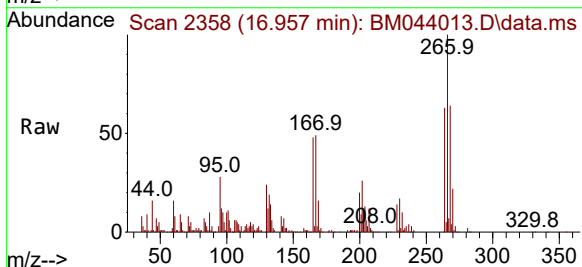
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

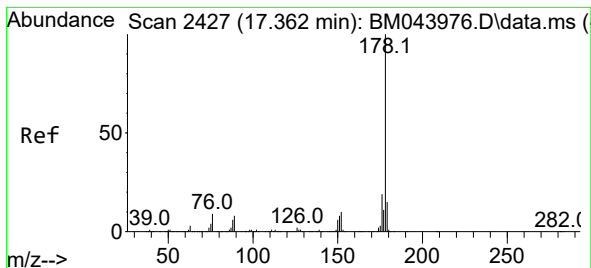
Tgt Ion:200 Resp: 194410
 Ion Ratio Lower Upper
 200 100
 173 27.3 7.3 47.3
 215 48.6 28.7 68.7



#70
 Pentachlorophenol
 Concen: 4.359 ng
 RT: 16.957 min Scan# 2358
 Delta R.T. -0.005 min
 Lab File: BM044013.D
 Acq: 07 Feb 2024 05:09

Tgt Ion:266 Resp: 110423
 Ion Ratio Lower Upper
 266 100
 268 64.4 50.6 76.0
 264 63.4 50.6 76.0





#71

Phenanthrene

Concen: 6.003 ng

RT: 17.357 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

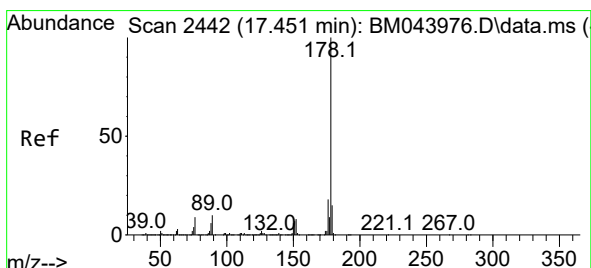
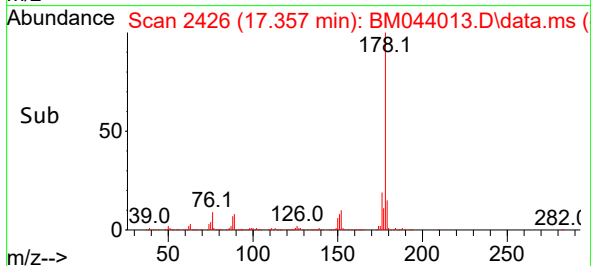
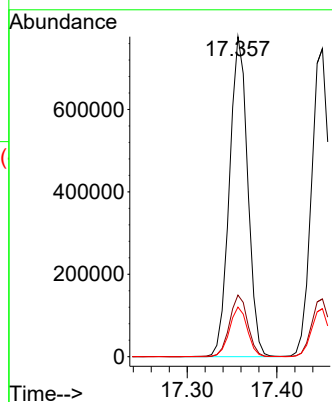
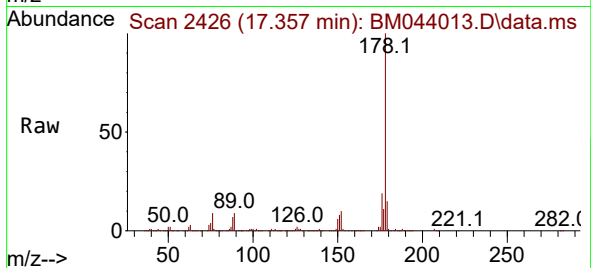
Tgt Ion:178 Resp: 1098120

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.5 12.4 18.6



#72

Anthracene

Concen: 5.968 ng

RT: 17.451 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

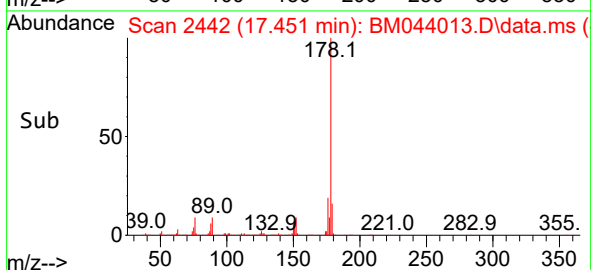
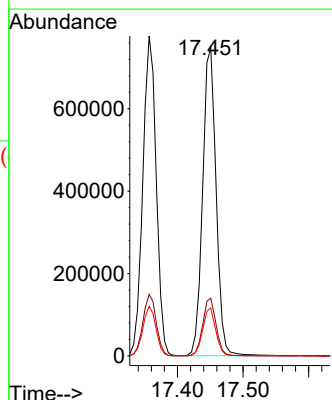
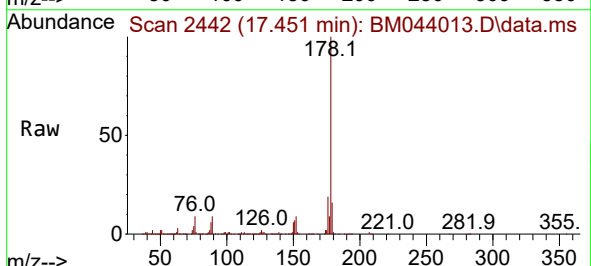
Tgt Ion:178 Resp: 1068914

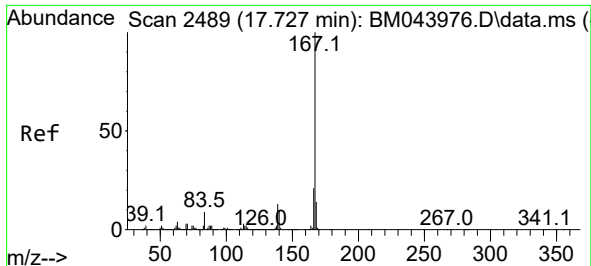
Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

179 15.6 12.2 18.4

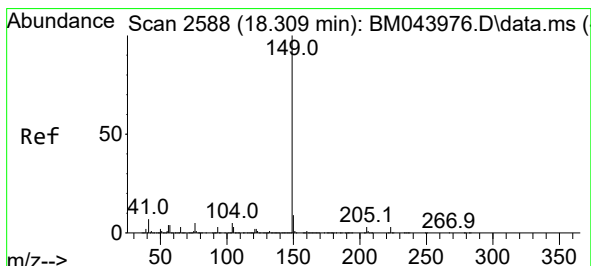
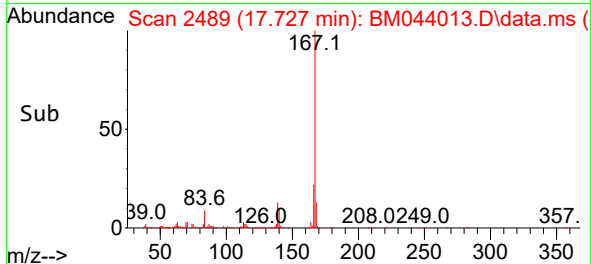
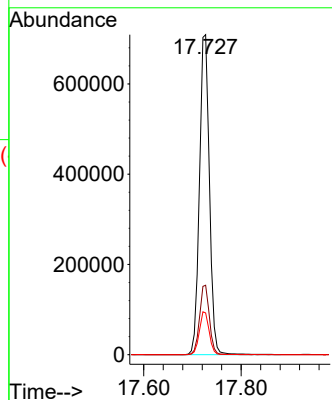
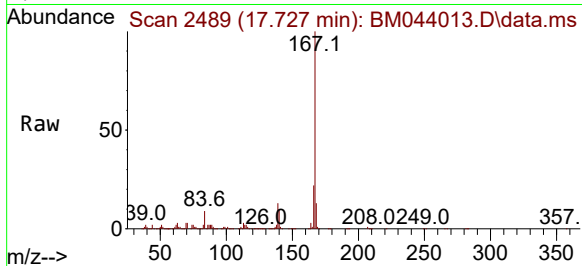




#73
 Carbazole
 Concen: 5.464 ng
 RT: 17.727 min Scan# 2489
 Delta R.T. 0.000 min
 Lab File: BM044013.D
 Acq: 07 Feb 2024 05:09

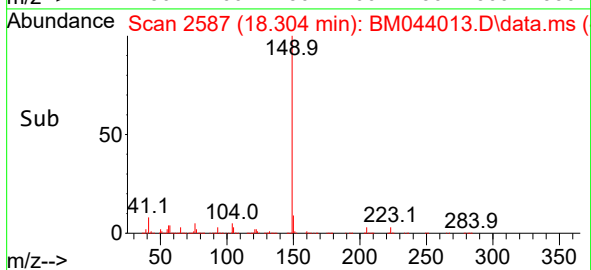
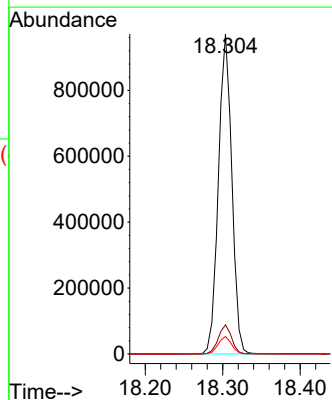
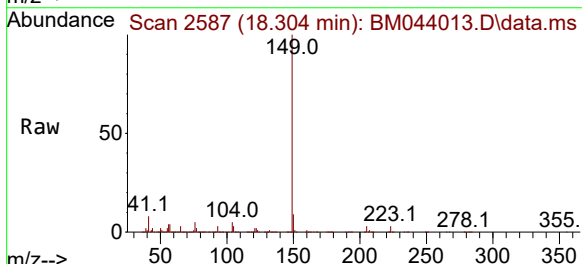
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

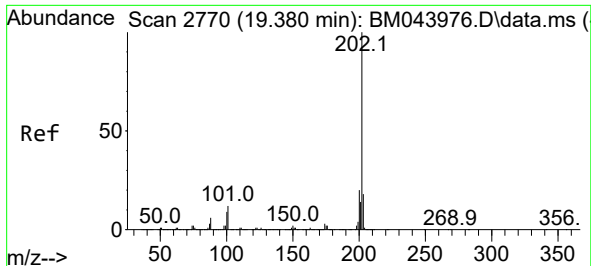
Tgt Ion:167 Resp: 1013577
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 13.1 10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 5.763 ng
 RT: 18.304 min Scan# 2587
 Delta R.T. -0.005 min
 Lab File: BM044013.D
 Acq: 07 Feb 2024 05:09

Tgt Ion:149 Resp: 1172397
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.4 4.1 6.1

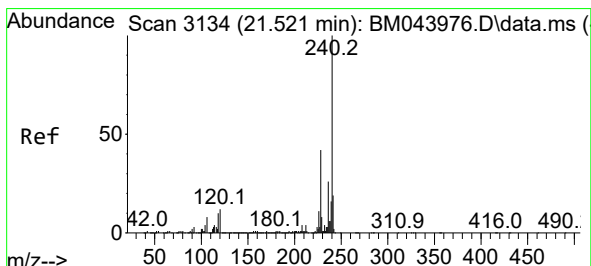
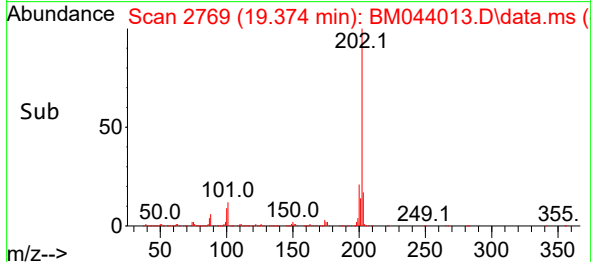
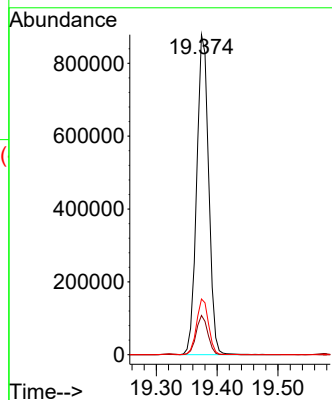
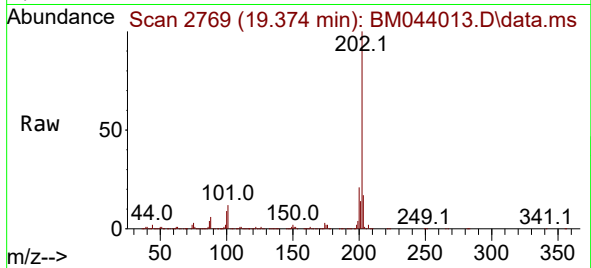




#75
Fluoranthene
Concen: 5.302 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

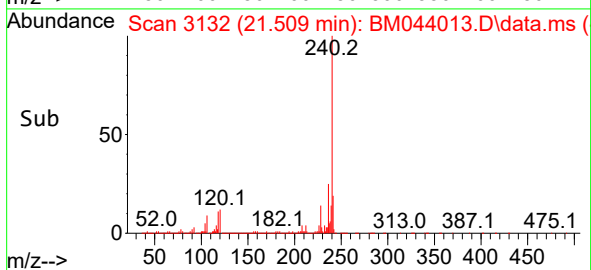
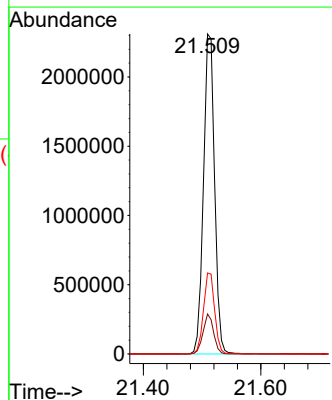
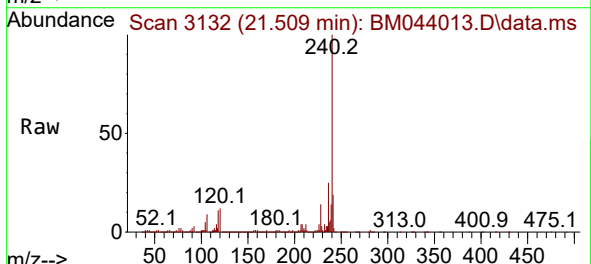
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

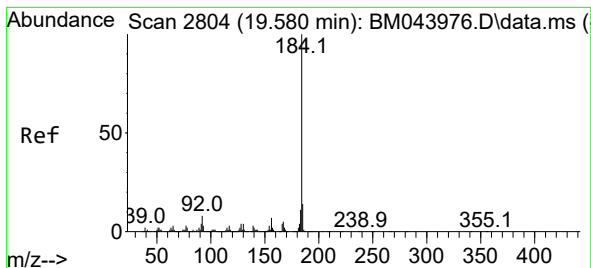
Tgt Ion:202 Resp: 1199364
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:240 Resp: 3022231
Ion Ratio Lower Upper
240 100
120 12.5 9.3 13.9
236 25.3 20.5 30.7





#77

Benzidine

Concen: 13.190 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

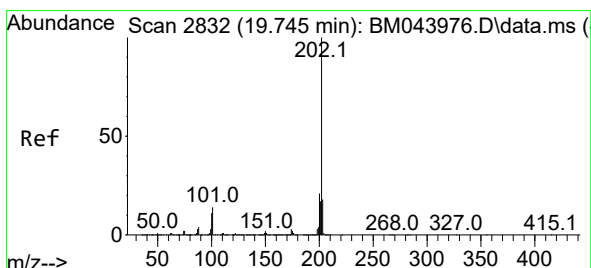
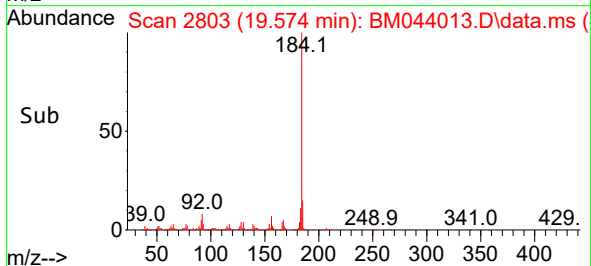
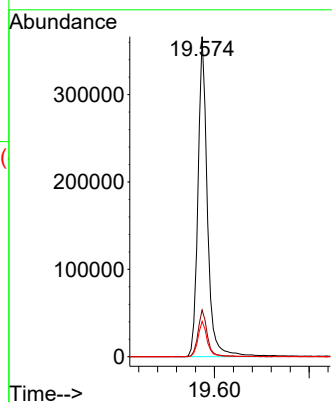
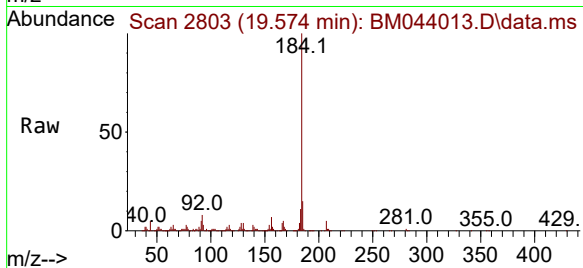
Tgt Ion:184 Resp: 505787

Ion Ratio Lower Upper

184 100

185 14.6 11.5 17.3

183 11.0 8.9 13.3



#78

Pyrene

Concen: 6.135 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

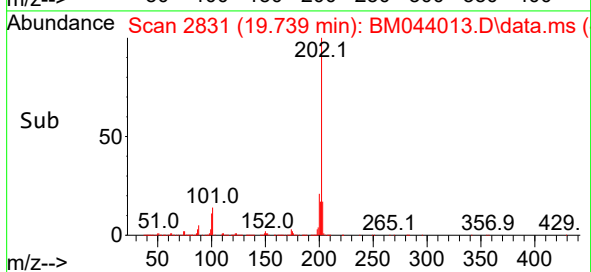
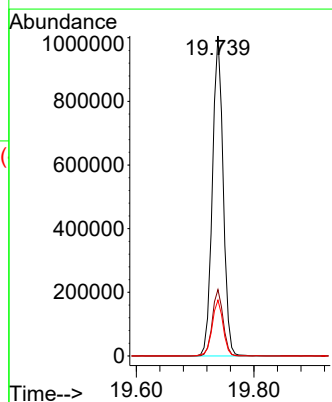
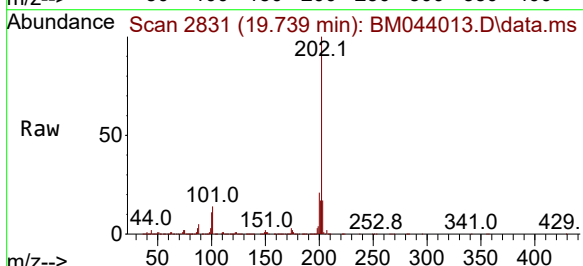
Tgt Ion:202 Resp: 1274535

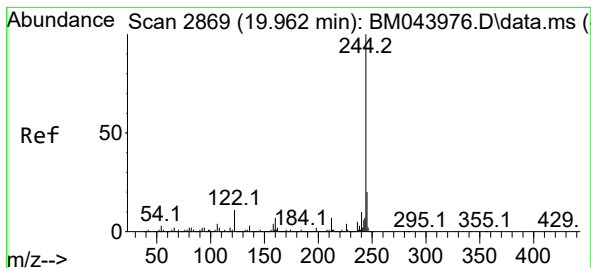
Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 68.442 ng

RT: 19.956 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

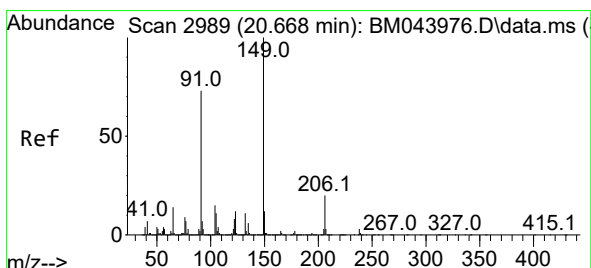
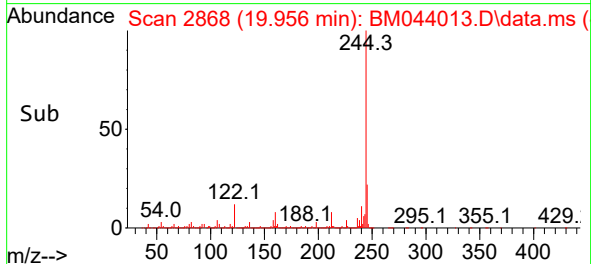
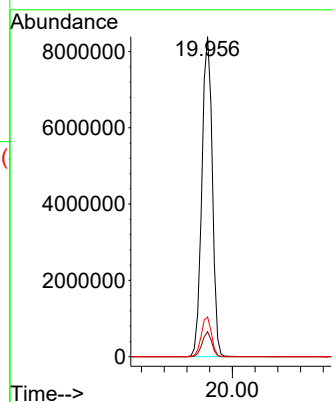
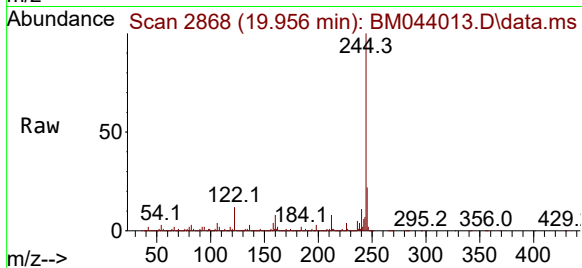
Tgt Ion:244 Resp:10715103

Ion Ratio Lower Upper

244 100

212 7.8 5.5 8.3

122 12.4 8.7 13.1



#80

Butylbenzylphthalate

Concen: 5.902 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

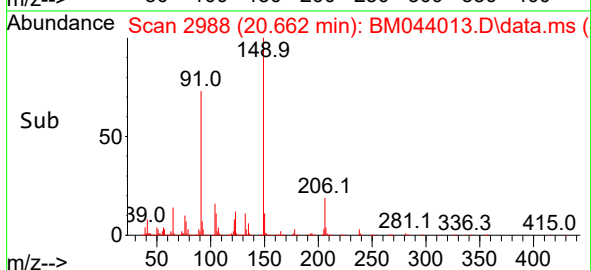
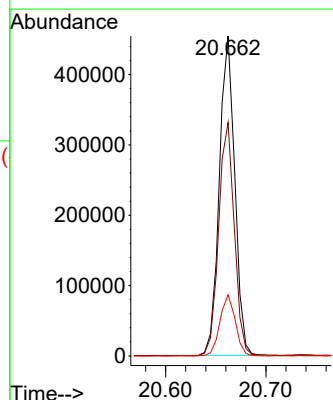
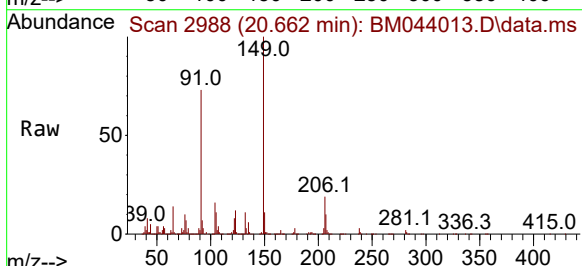
Tgt Ion:149 Resp: 485501

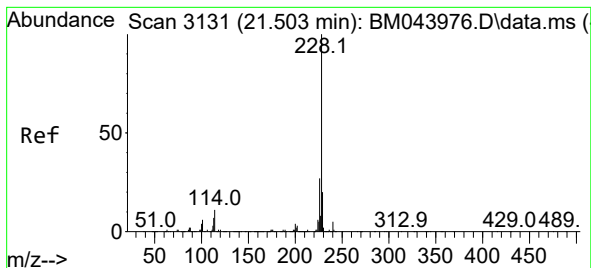
Ion Ratio Lower Upper

149 100

91 73.0 58.4 87.6

206 19.1 15.8 23.6





#81

Benzo(a)anthracene

Concen: 6.015 ng

RT: 21.497 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

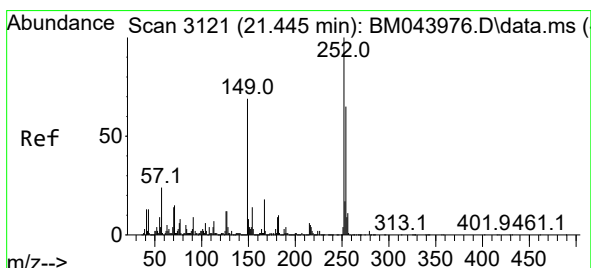
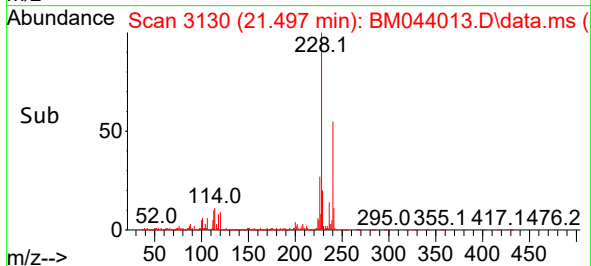
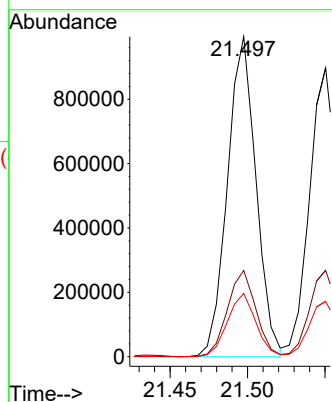
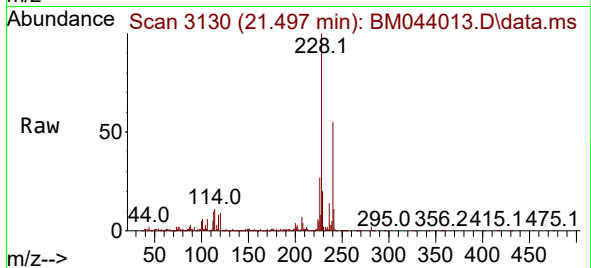
Tgt Ion:228 Resp: 1275447

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

229 19.7 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 5.819 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

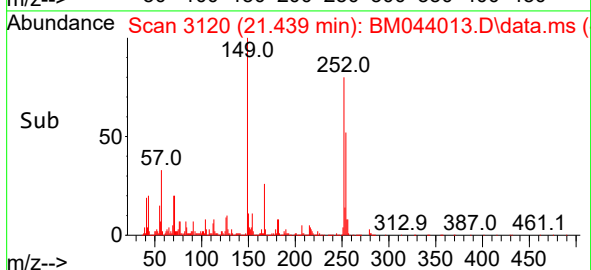
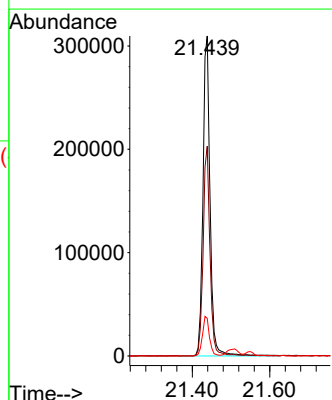
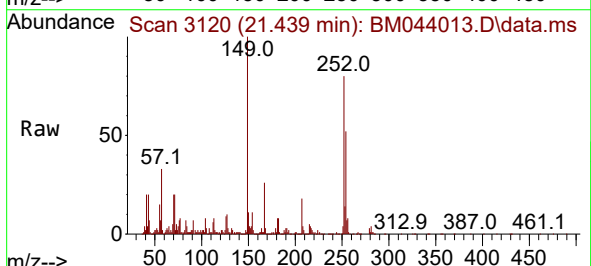
Tgt Ion:252 Resp: 394523

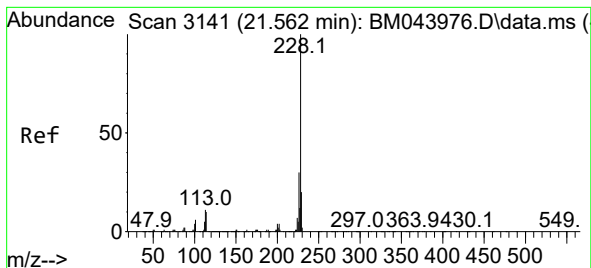
Ion Ratio Lower Upper

252 100

254 65.5 51.6 77.4

126 11.8 9.4 14.2





#83

Chrysene

Concen: 5.712 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

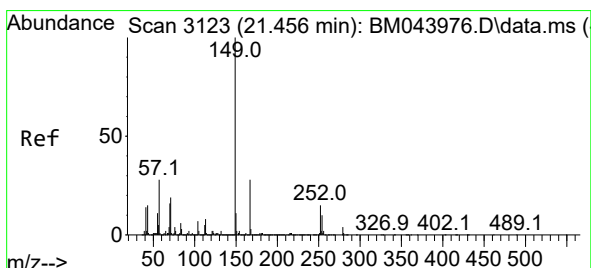
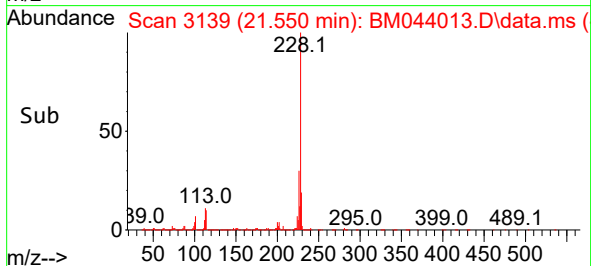
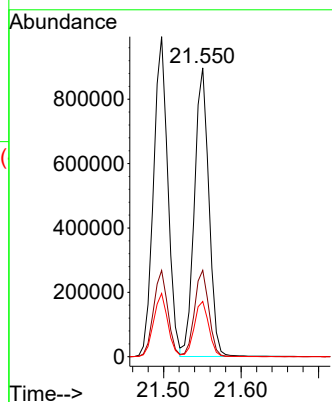
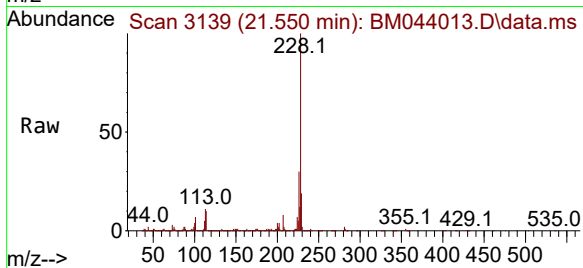
Tgt Ion:228 Resp: 1160307

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

229 19.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.258 ng

RT: 21.445 min Scan# 3121

Delta R.T. -0.012 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

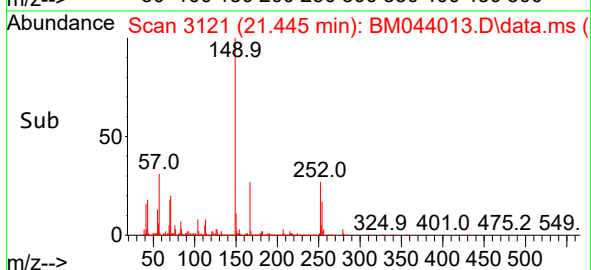
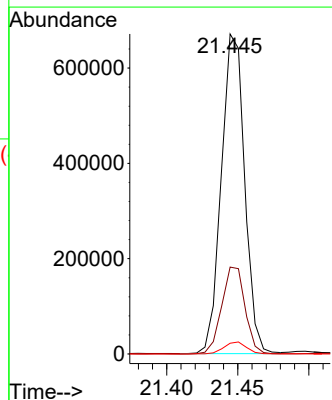
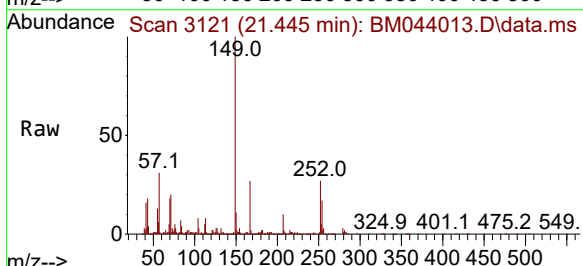
Tgt Ion:149 Resp: 765581

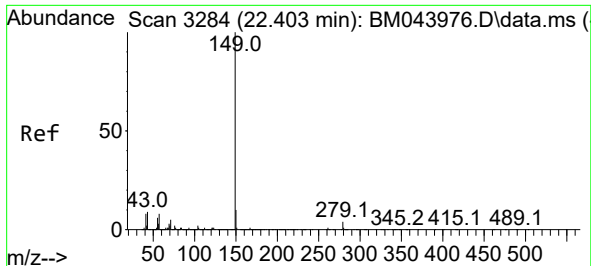
Ion Ratio Lower Upper

149 100

167 27.2 22.0 33.0

279 3.3 3.1 4.7

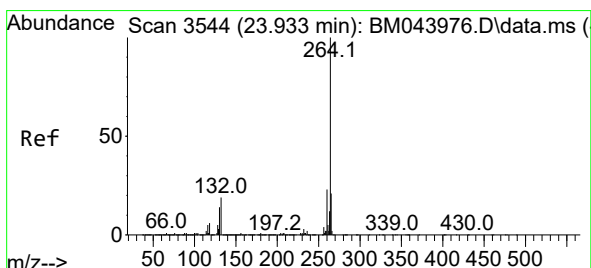
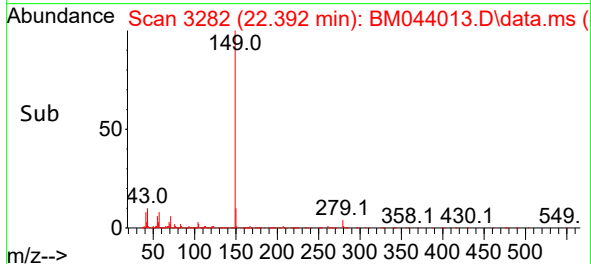
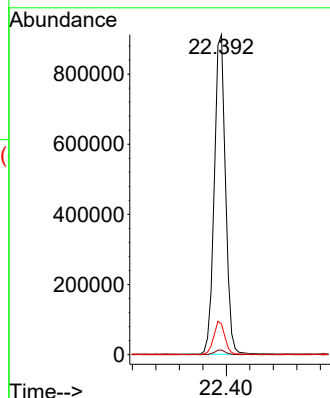
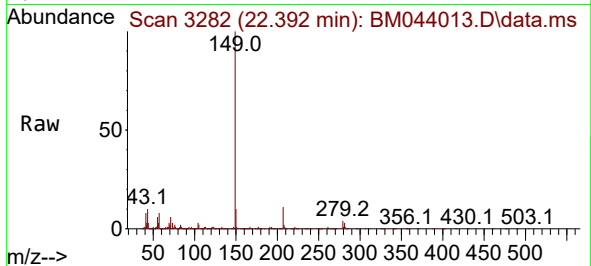




#85
Di-n-octyl phthalate
Concen: 5.701 ng
RT: 22.392 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

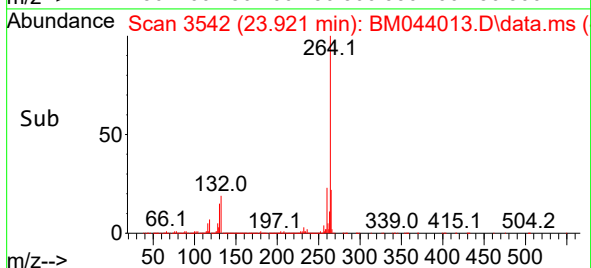
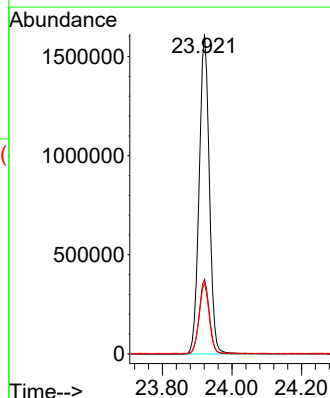
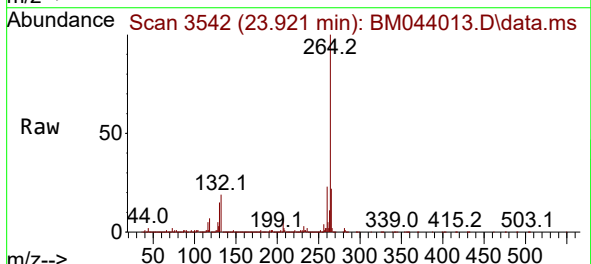
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

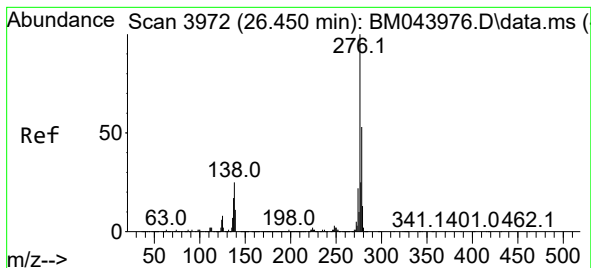
Tgt Ion:149 Resp: 1201390
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.3 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.921 min Scan# 3542
Delta R.T. -0.012 min
Lab File: BM044013.D
Acq: 07 Feb 2024 05:09

Tgt Ion:264 Resp: 3271189
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.257 ng

RT: 26.415 min Scan# 3972

Delta R.T. -0.035 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

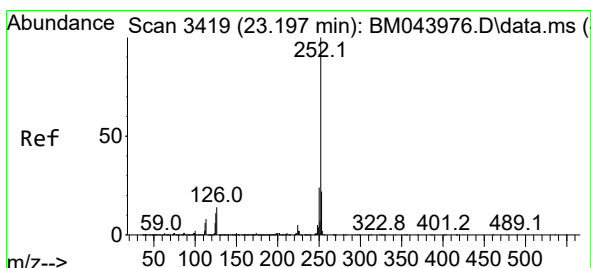
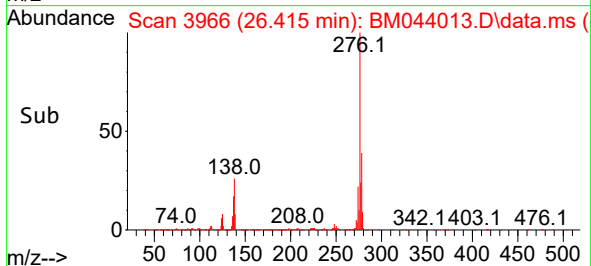
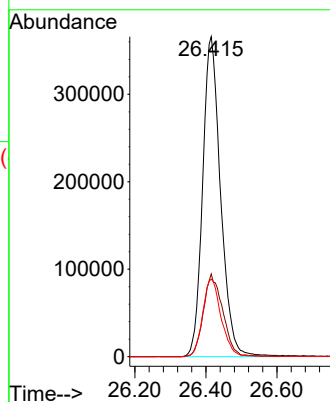
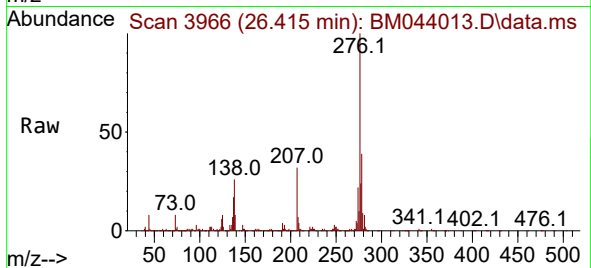
Tgt Ion:276 Resp: 1286849

Ion Ratio Lower Upper

276 100

138 27.8 21.8 32.6

277 25.1 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 5.763 ng

RT: 23.186 min Scan# 3417

Delta R.T. -0.012 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

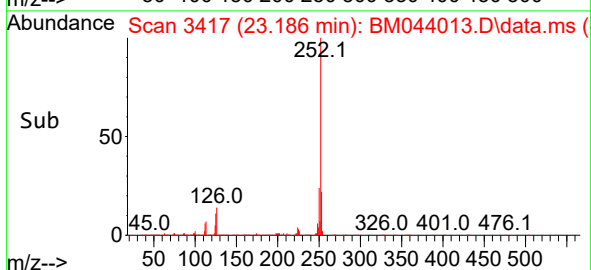
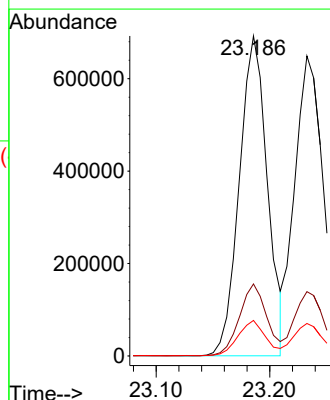
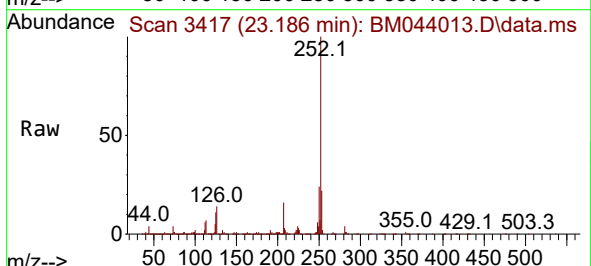
Tgt Ion:252 Resp: 1185787

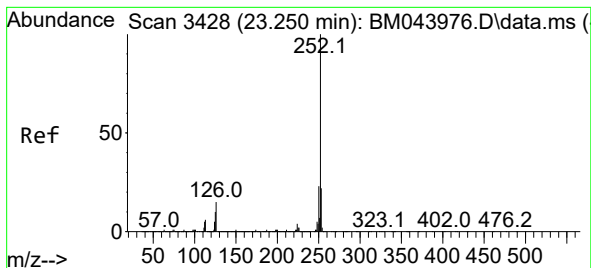
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 11.1 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 5.821 ng

RT: 23.233 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

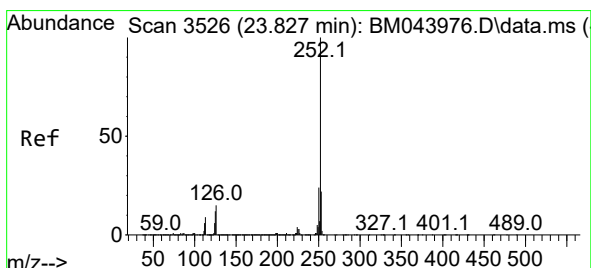
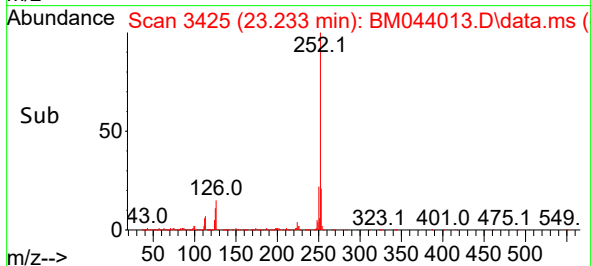
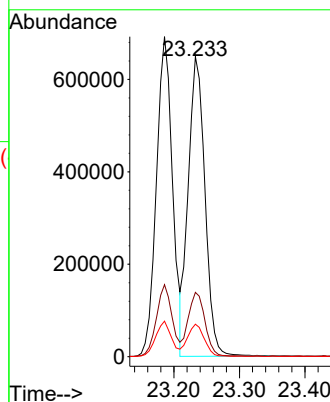
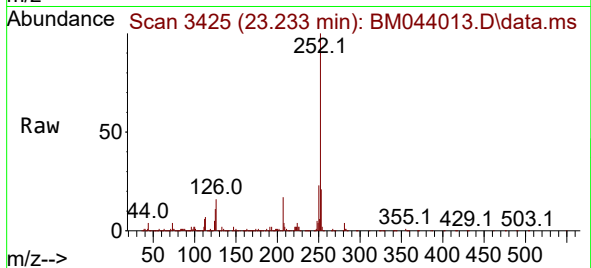
Tgt Ion:252 Resp: 1149129

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 10.8 8.3 12.5



#90

Benzo(a)pyrene

Concen: 5.470 ng

RT: 23.809 min Scan# 3523

Delta R.T. -0.018 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

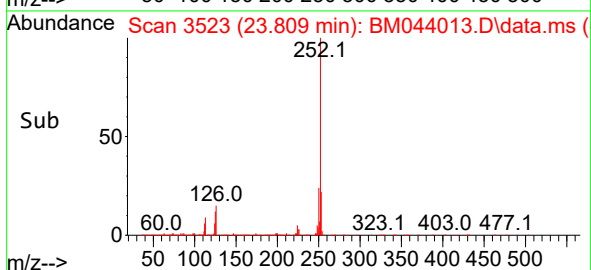
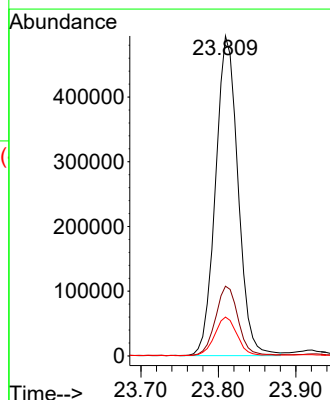
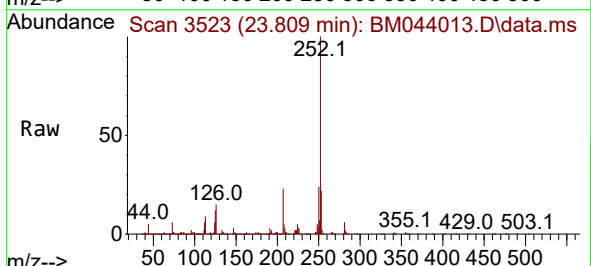
Tgt Ion:252 Resp: 994859

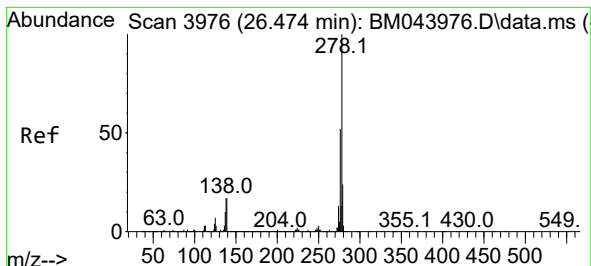
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 12.2 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 5.254 ng

RT: 26.444 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

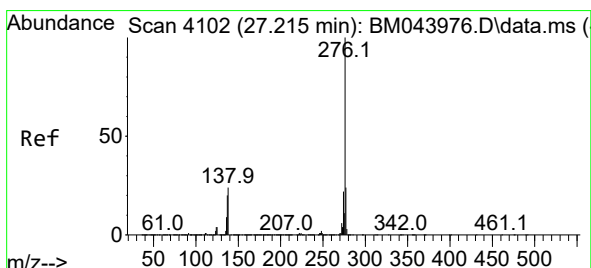
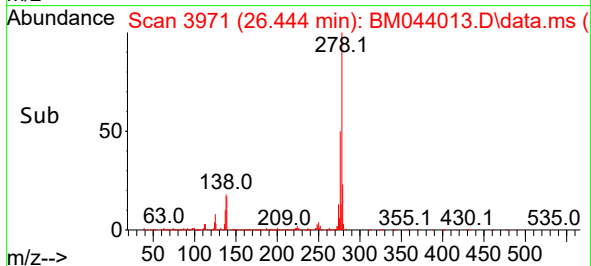
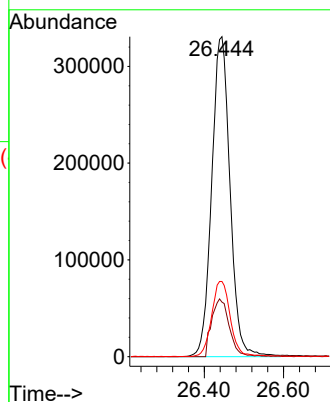
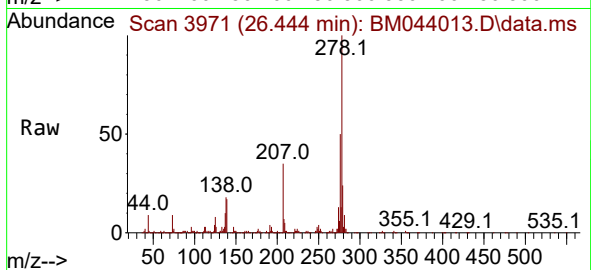
Tgt Ion:278 Resp: 1060694

Ion Ratio Lower Upper

278 100

139 17.0 13.7 20.5

279 23.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 4.988 ng

RT: 27.179 min Scan# 4096

Delta R.T. -0.035 min

Lab File: BM044013.D

Acq: 07 Feb 2024 05:09

Tgt Ion:276 Resp: 1027111

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 23.0 18.8 28.2

