

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044012.D
 Acq On : 07 Feb 2024 04:33
 Operator : MA/JU
 Sample : P1187-01
 Misc : LOD-SOIL-4PPM
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Feb 07 05:26:20 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	367036	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1674845	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	1084621	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	2377045	20.000	ng	0.00
76) Chrysene-d12	21.515	240	2226697	20.000	ng	0.00
86) Perylene-d12	23.921	264	2504214	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	3416986	137.479	ng	0.00
7) Phenol-d6	7.087	99	4537206	123.552	ng	0.00
23) Nitrobenzene-d5	9.092	82	2743751	78.971	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1644334	124.369	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	6446508	81.669	ng	0.00
79) Terphenyl-d14	19.956	244	10615110	92.027	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	43444	4.523	ng	97
3) Pyridine	3.799	79	99016	3.387	ng	# 92
4) n-Nitrosodimethylamine	3.722	42	42762	3.403	ng	# 92
6) Aniline	7.251	93	146319	4.005	ng	97
8) 2-Chlorophenol	7.481	128	91621	3.320	ng	96
9) Benzaldehyde	7.069	77	104337	1.543	ng	95
10) Phenol	7.110	94	132859	3.639	ng	88
11) bis(2-Chloroethyl)ether	7.357	93	109086	3.812	ng	98
12) 1,3-Dichlorobenzene	7.804	146	110975	3.725	ng	99
13) 1,4-Dichlorobenzene	7.957	146	113410	3.764	ng	98
14) 1,2-Dichlorobenzene	8.269	146	107120	3.605	ng	95
15) Benzyl Alcohol	8.169	79	90774	3.606	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.451	45	158771	4.137	ng	100
17) 2-Methylphenol	8.363	107	77906	3.338	ng	97
18) Hexachloroethane	8.992	117	42853	3.790	ng	97
19) n-Nitroso-di-n-propyla...	8.734	70	89437	3.701	ng	99
20) 3+4-Methylphenols	8.692	107	106466	3.232	ng	95
22) Acetophenone	8.751	105	171429	3.778	ng	98
24) Nitrobenzene	9.134	77	135569	3.889	ng	97
25) Isophorone	9.657	82	226898	3.508	ng	99
26) 2-Nitrophenol	9.845	139	41613	2.954	ng	95
27) 2,4-Dimethylphenol	9.898	122	77447	4.003	ng	93
28) bis(2-Chloroethoxy)met...	10.151	93	154658	3.916	ng	100
29) 2,4-Dichlorophenol	10.369	162	78543	3.183	ng	97
30) 1,2,4-Trichlorobenzene	10.586	180	102048	3.662	ng	98
31) Naphthalene	10.775	128	340880	3.652	ng	100
32) Benzoic acid	9.957	122	31528	7.961	ng	95
33) 4-Chloroaniline	10.892	127	140795	3.669	ng	97
34) Hexachlorobutadiene	11.051	225	56300	3.704	ng	97
35) Caprolactam	11.663	113	27770	2.745	ng	# 88
36) 4-Chloro-3-methylphenol	12.010	107	93985	3.110	ng	99
37) 2-Methylnaphthalene	12.386	142	234295	3.599	ng	98
38) 1-Methylnaphthalene	12.604	142	229317	3.529	ng	100
40) 1,2,4,5-Tetrachloroben...	12.751	216	115564	3.757	ng	99
41) Hexachlorocyclopentadiene	12.722	237	45205	4.468	ng	95
43) 2,4,6-Trichlorophenol	12.992	196	62484	3.006	ng	98

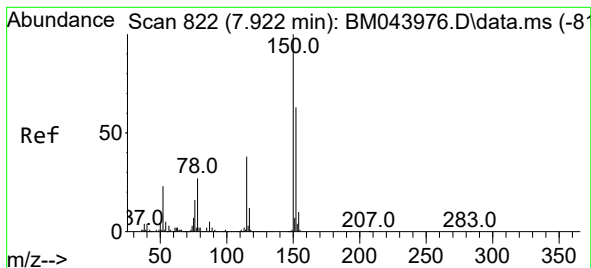
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	70929	2.991	ng	99
46) 1,1'-Biphenyl	13.398	154	327013	3.834	ng	98
47) 2-Chloronaphthalene	13.439	162	248623	3.655	ng	99
48) 2-Nitroaniline	13.651	65	67376	3.045	ng	96
49) Acenaphthylene	14.286	152	392657	3.776	ng	99
50) Dimethylphthalate	14.033	163	312872	3.714	ng	99
51) 2,6-Dinitrotoluene	14.151	165	57188	3.088	ng	91
52) Acenaphthene	14.627	154	233917	3.549	ng	98
53) 3-Nitroaniline	14.480	138	62483	2.906	ng	# 94
54) 2,4-Dinitrophenol	14.680	184	17253	8.782	ng	98
55) Dibenzofuran	14.963	168	388532	3.788	ng	99
56) 4-Nitrophenol	14.780	139	45989	2.448	ng	94
57) 2,4-Dinitrotoluene	14.933	165	69597	2.700	ng	92
58) Fluorene	15.616	166	308232	3.558	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	67871	3.319	ng	99
60) Diethylphthalate	15.398	149	313095	3.590	ng	99
61) 4-Chlorophenyl-phenyle...	15.616	204	148828	3.682	ng	99
62) 4-Nitroaniline	15.639	138	61632	2.622	ng	96
63) Azobenzene	15.910	77	309563	3.554	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	28627	7.898	ng	93
66) n-Nitrosodiphenylamine	15.833	169	257015	3.630	ng	98
67) 4-Bromophenyl-phenylether	16.510	248	60392	2.579	ng	94
68) Hexachlorobenzene	16.610	284	97424	3.489	ng	97
69) Atrazine	16.786	200	80988	4.134	ng	99
70) Pentachlorophenol	16.957	266	41517	2.265	ng	98
71) Phenanthrene	17.357	178	493218	3.725	ng	99
72) Anthracene	17.451	178	465687	3.593	ng	100
73) Carbazole	17.727	167	432889	3.225	ng	100
74) Di-n-butylphthalate	18.304	149	483678	3.285	ng	99
75) Fluoranthene	19.374	202	532557	3.253	ng	99
77) Benzidine	19.574	184	163797	5.798	ng	98
78) Pyrene	19.739	202	567140	3.705	ng	98
80) Butylbenzylphthalate	20.662	149	189614	3.128	ng	99
81) Benzo(a)anthracene	21.497	228	580270	3.715	ng	98
82) 3,3'-Dichlorobenzidine	21.439	252	163808	3.279	ng	99
83) Chrysene	21.550	228	535164	3.576	ng	100
84) Bis(2-ethylhexyl)phtha...	21.450	149	316593	3.512	ng	100
85) Di-n-octyl phthalate	22.392	149	467457	3.011	ng	98
87) Indeno(1,2,3-cd)pyrene	26.409	276	610250	3.257	ng	99
88) Benzo(b)fluoranthene	23.186	252	545612	3.464	ng	99
89) Benzo(k)fluoranthene	23.239	252	544229	3.601	ng	99
90) Benzo(a)pyrene	23.809	252	460973	3.311	ng	99
91) Dibenzo(a,h)anthracene	26.444	278	512561	3.317	ng	98
92) Benzo(g,h,i)perylene	27.179	276	489170	3.103	ng	98

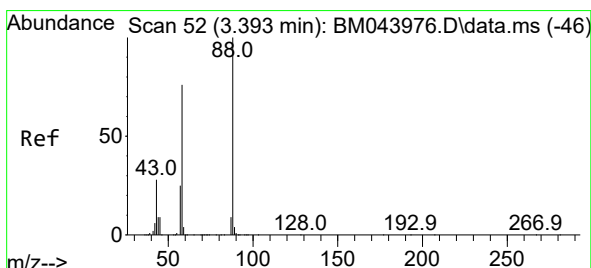
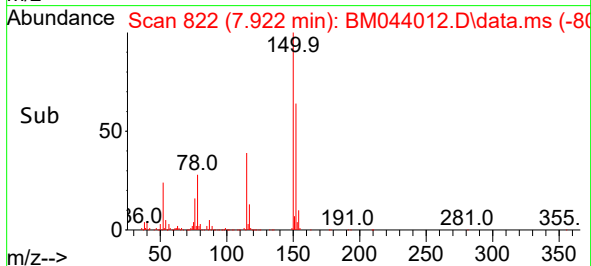
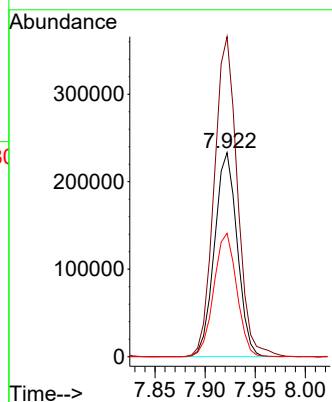
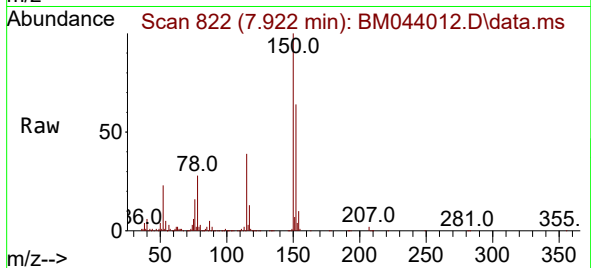
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM044012.D
 Acq: 07 Feb 2024 04:33

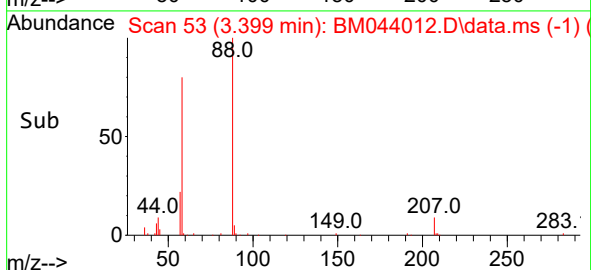
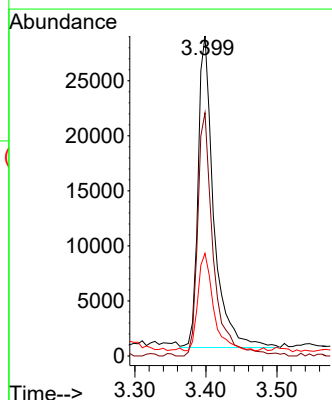
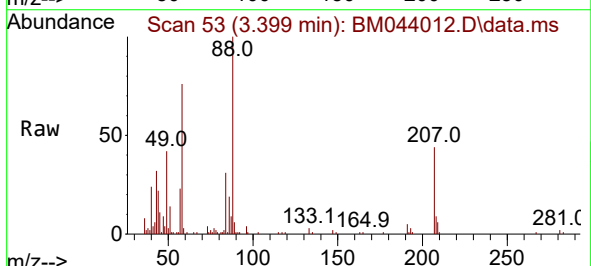
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

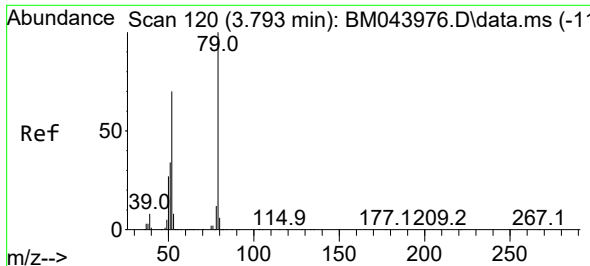
Tgt Ion:152 Resp: 367036
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.1 189.1
 115 60.4 48.2 72.2



#2
 1,4-Dioxane
 Concen: 4.523 ng
 RT: 3.399 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM044012.D
 Acq: 07 Feb 2024 04:33

Tgt Ion: 88 Resp: 43444
 Ion Ratio Lower Upper
 88 100
 58 78.4 61.0 91.6
 43 31.5 23.0 34.6

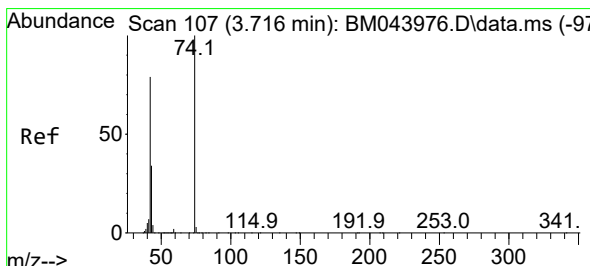
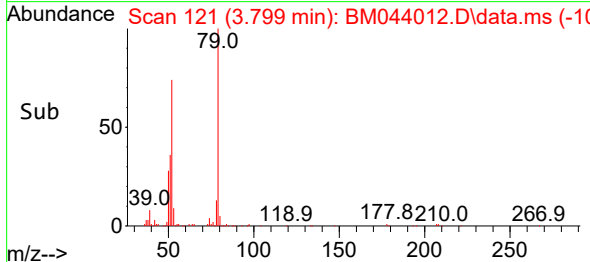
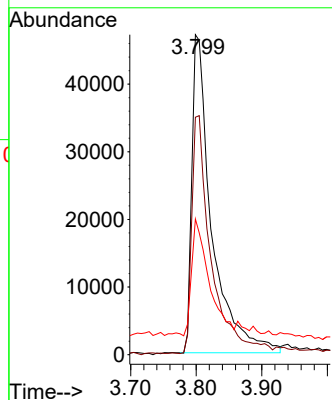
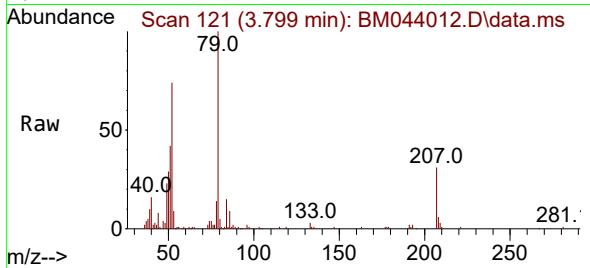




#3
Pyridine
Concen: 3.387 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

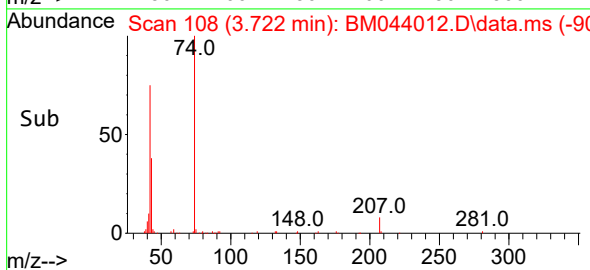
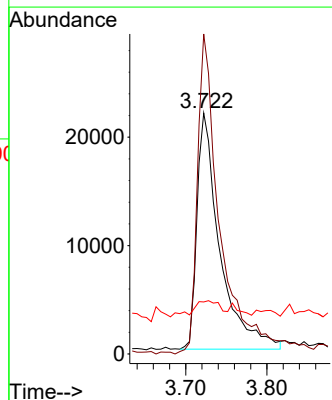
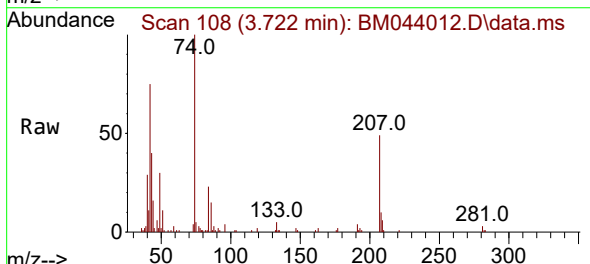
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

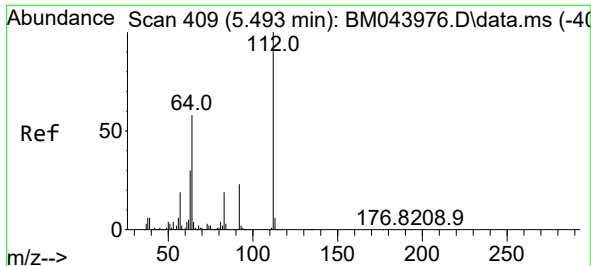
Tgt Ion: 79 Resp: 99016
Ion Ratio Lower Upper
79 100
52 74.2 55.9 83.9
51 42.4 28.2 42.2#



#4
n-Nitrosodimethylamine
Concen: 3.403 ng
RT: 3.722 min Scan# 108
Delta R.T. 0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 42 Resp: 42762
Ion Ratio Lower Upper
42 100
74 132.8 100.7 151.1
44 21.6 7.3 10.9#

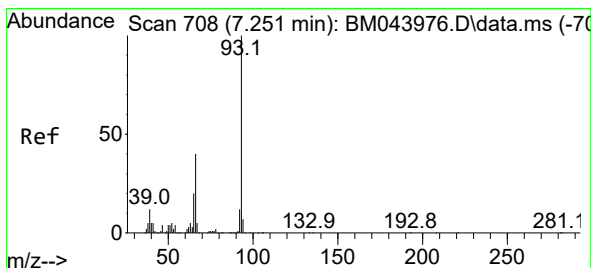
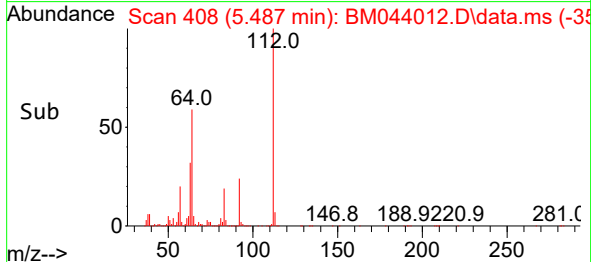
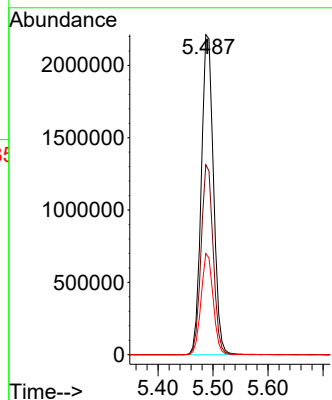
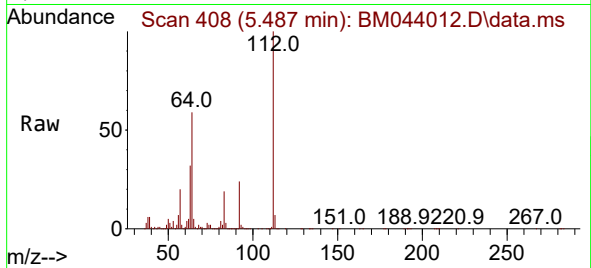




#5
2-Fluorophenol
Concen: 137.479 ng
RT: 5.487 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

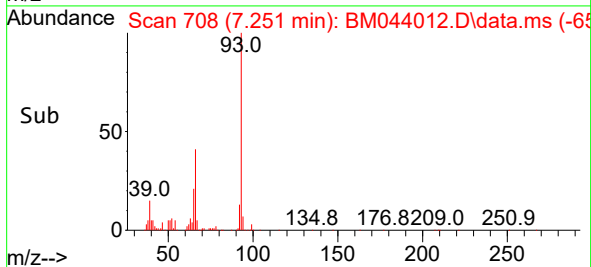
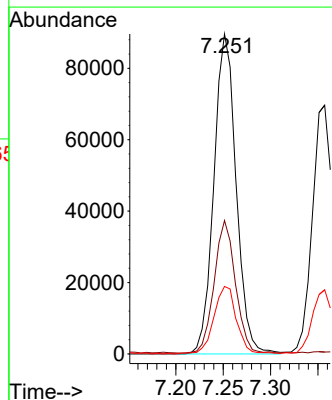
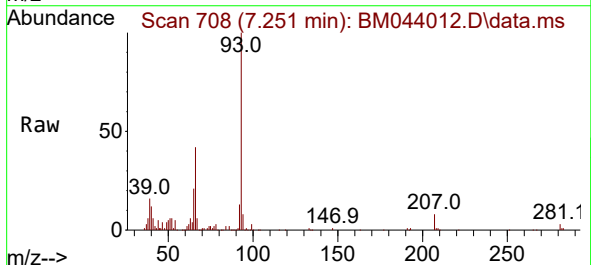
Instrument :
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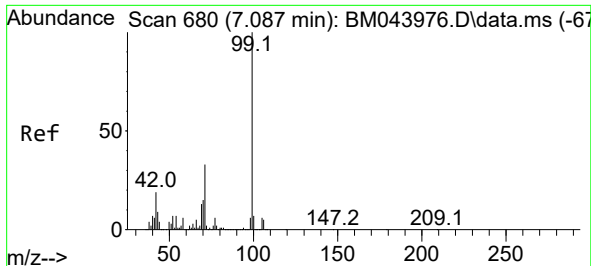
Tgt Ion:112 Resp: 3416986
Ion Ratio Lower Upper
112 100
64 59.3 46.6 70.0
63 31.6 24.2 36.4



#6
Aniline
Concen: 4.005 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 93 Resp: 146319
Ion Ratio Lower Upper
93 100
66 41.7 32.2 48.2
65 21.1 15.8 23.8



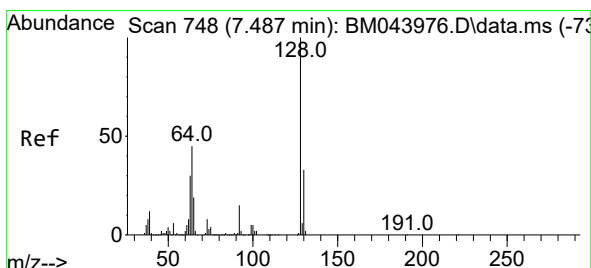
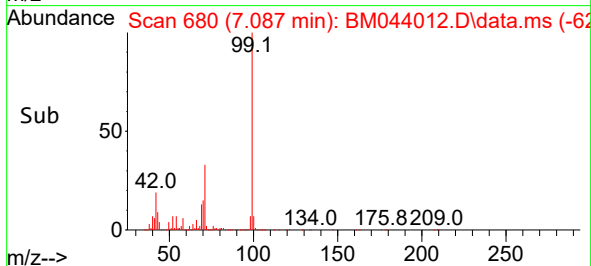
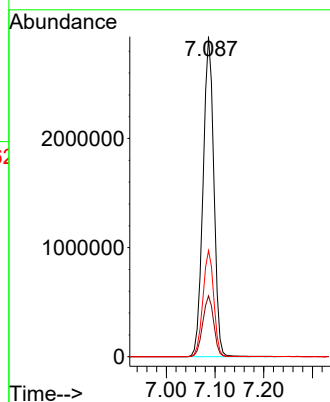
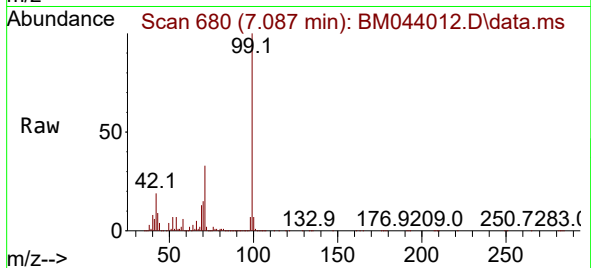


#7
Phenol-d6
Concen: 123.552 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

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

Tgt Ion: 99 Resp: 4537206

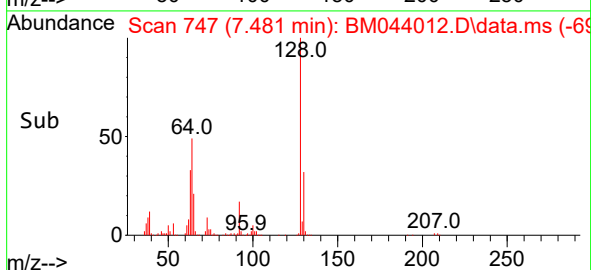
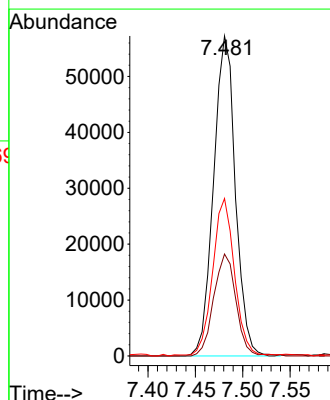
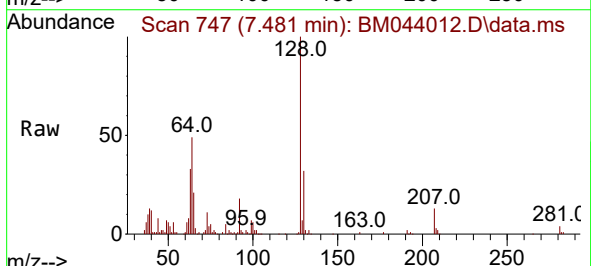
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.9	22.3
71	33.2	26.3	39.5

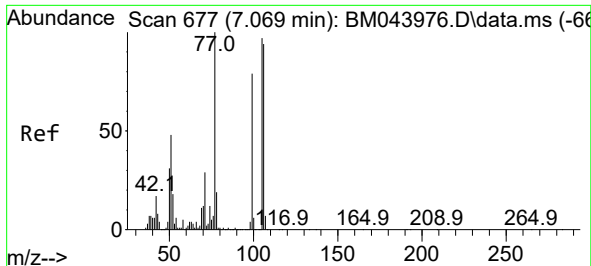


#8
2-Chlorophenol
Concen: 3.320 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 128 Resp: 91621

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.9	52.9
64	49.2	25.6	65.6

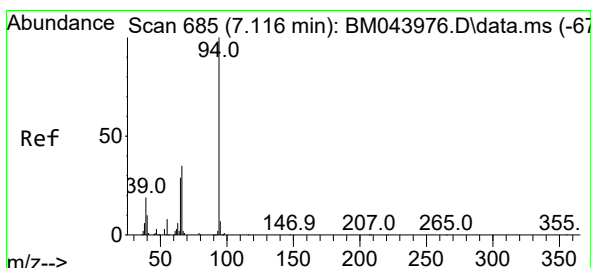
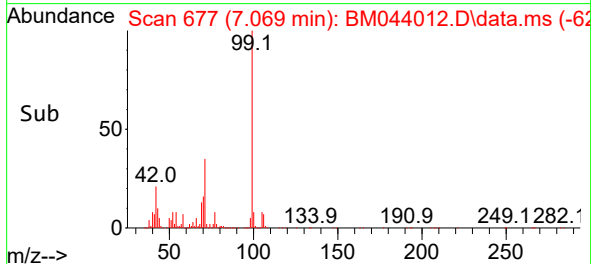
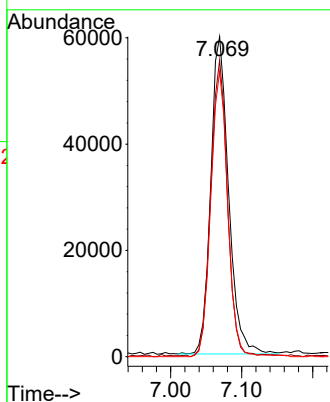
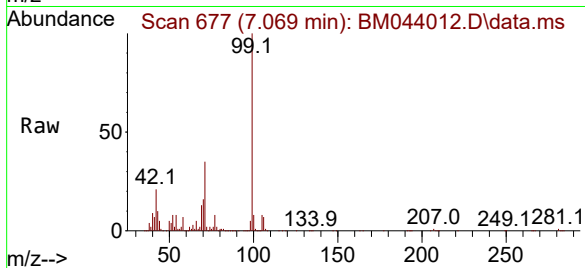




#9
Benzaldehyde
Concen: 1.543 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

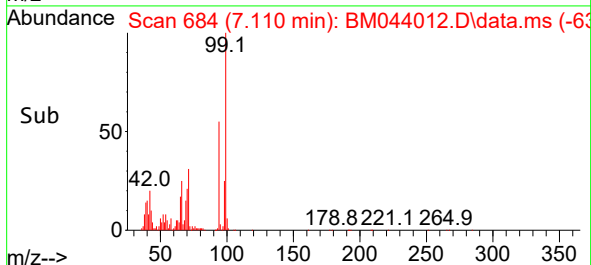
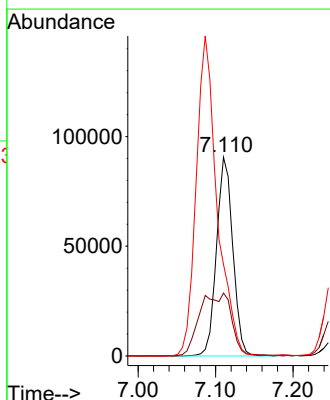
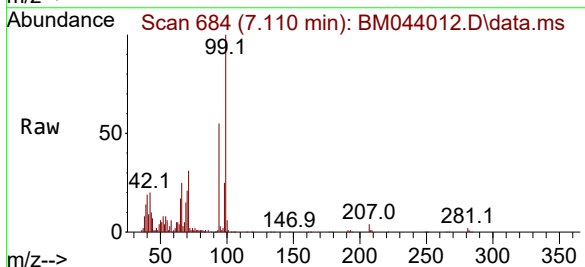
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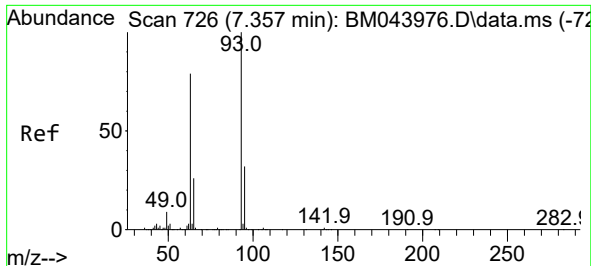
Tgt Ion: 77 Resp: 104337
Ion Ratio Lower Upper
77 100
105 92.6 77.4 117.4
106 89.2 73.5 113.5



#10
Phenol
Concen: 3.639 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 94 Resp: 132859
Ion Ratio Lower Upper
94 100
65 31.6 9.3 49.3
66 46.1 15.7 55.7

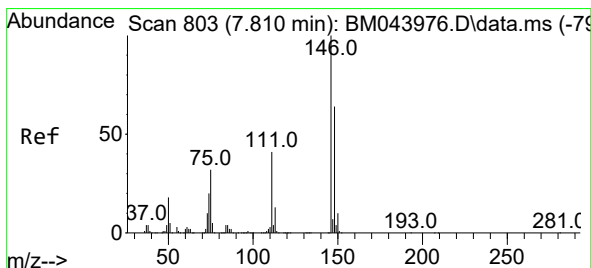
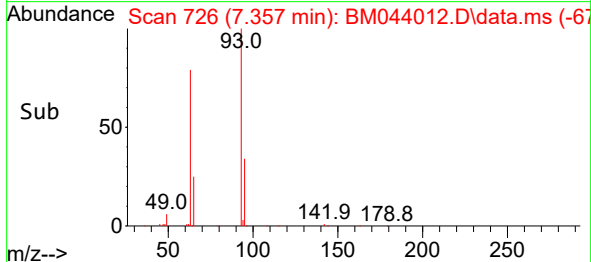
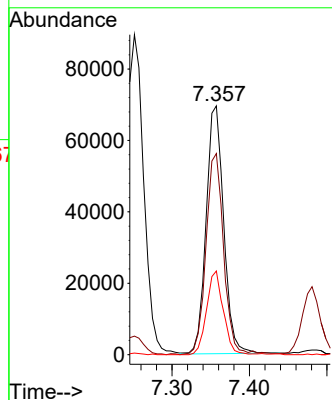
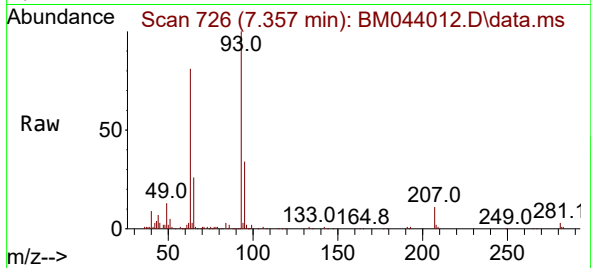




#11
bis(2-Chloroethyl)ether
Concen: 3.812 ng
RT: 7.357 min Scan# 726
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

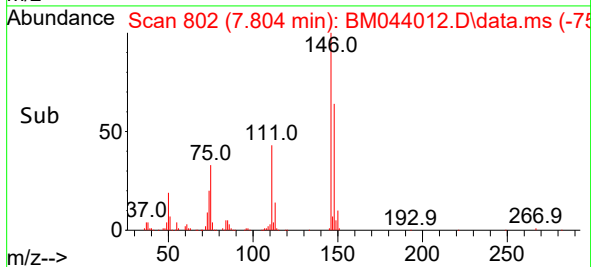
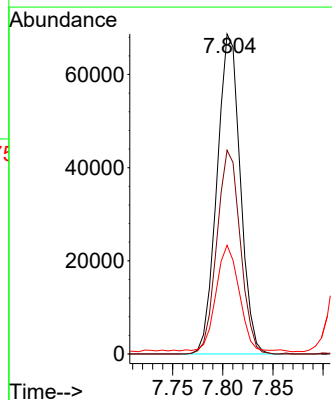
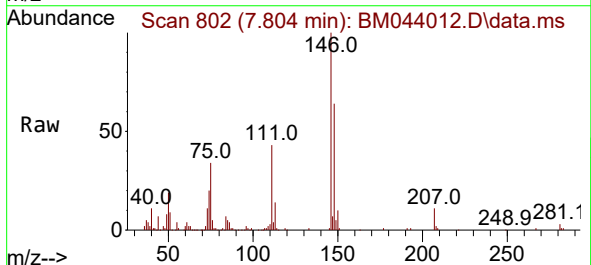
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

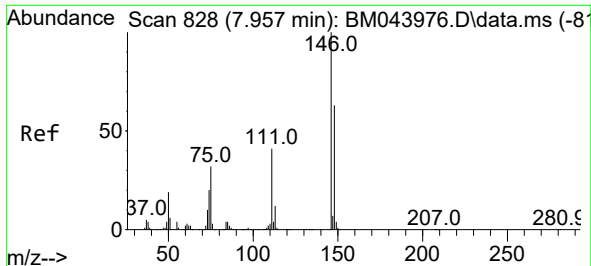
Tgt Ion: 93 Resp: 109086
Ion Ratio Lower Upper
93 100
63 80.9 59.0 99.0
95 33.7 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 3.725 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:146 Resp: 110975
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.6
75 33.9 26.1 39.1

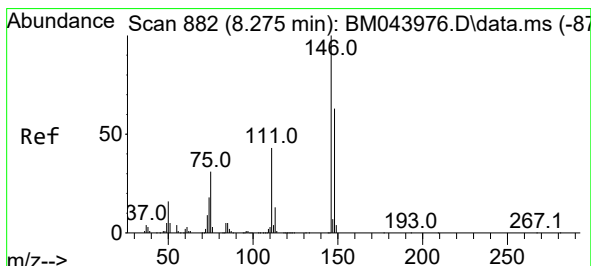
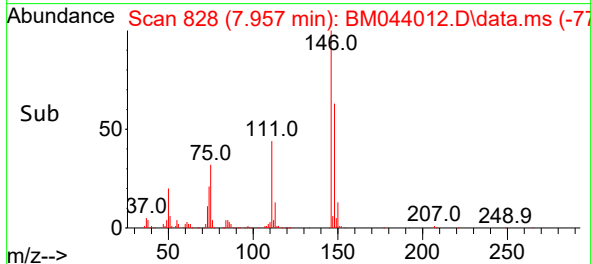
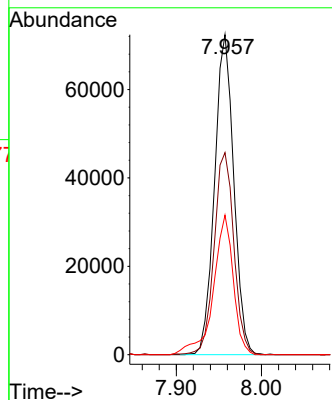
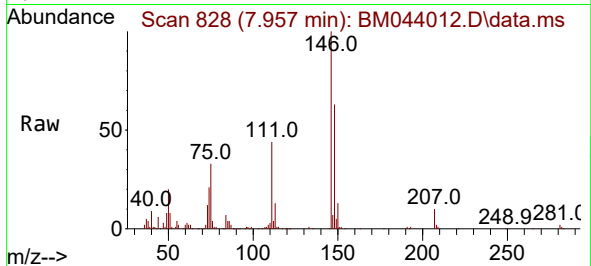




#13
1,4-Dichlorobenzene
Concen: 3.764 ng
RT: 7.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

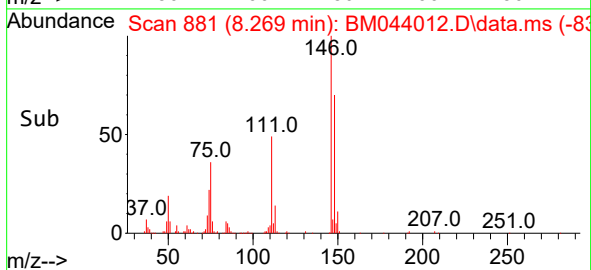
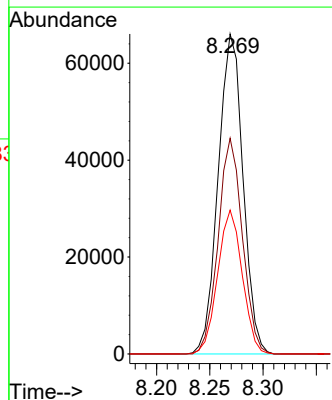
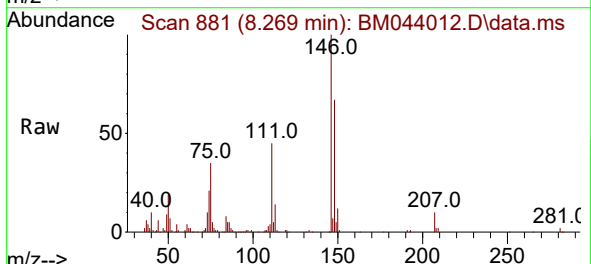
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

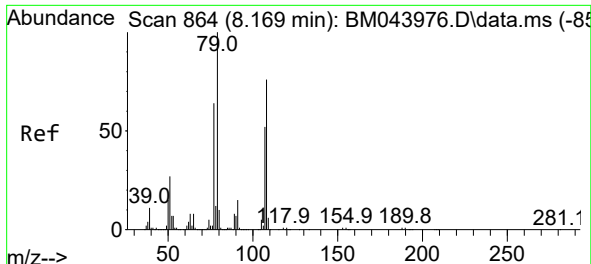
Tgt Ion:146 Resp: 113410
Ion Ratio Lower Upper
146 100
148 63.1 50.7 76.1
111 43.6 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 3.605 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:146 Resp: 107120
Ion Ratio Lower Upper
146 100
148 67.4 50.3 75.5
111 44.9 34.3 51.5

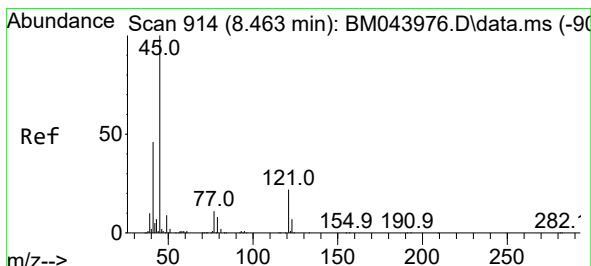
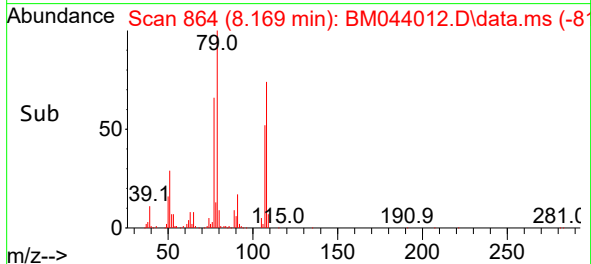
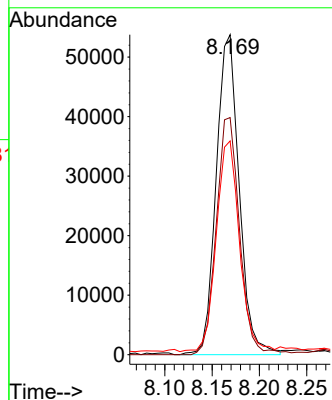
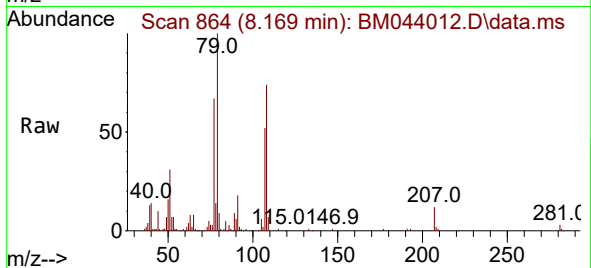




#15
Benzyl Alcohol
Concen: 3.606 ng
RT: 8.169 min Scan# 864
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

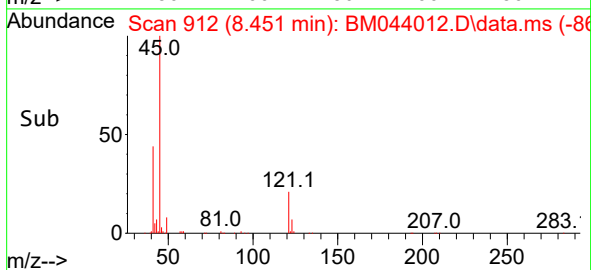
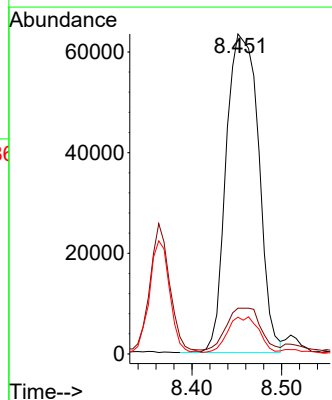
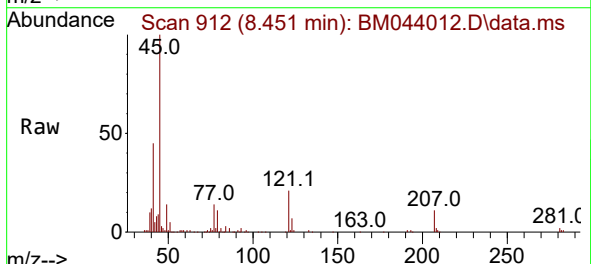
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

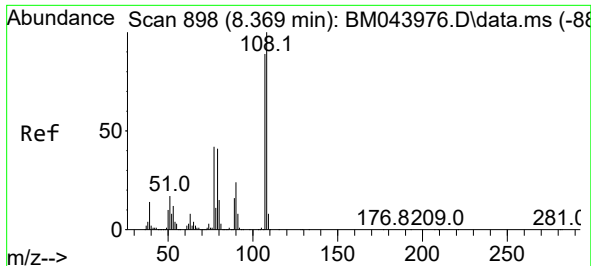
Tgt Ion: 79 Resp: 90774
Ion Ratio Lower Upper
79 100
108 74.1 60.7 91.1
77 66.8 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.137 ng
RT: 8.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 45 Resp: 158771
Ion Ratio Lower Upper
45 100
77 14.3 0.0 34.4
79 11.5 0.0 31.2

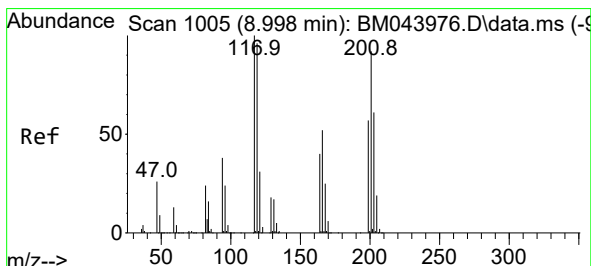
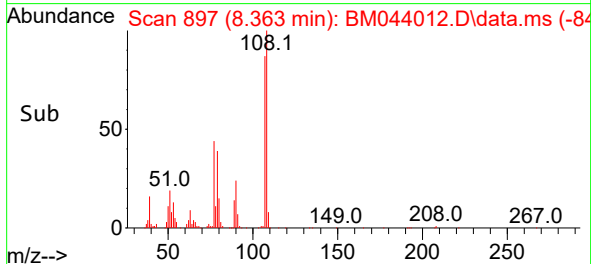
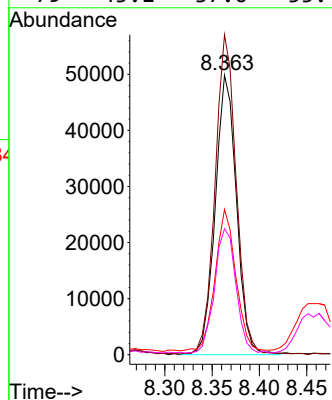
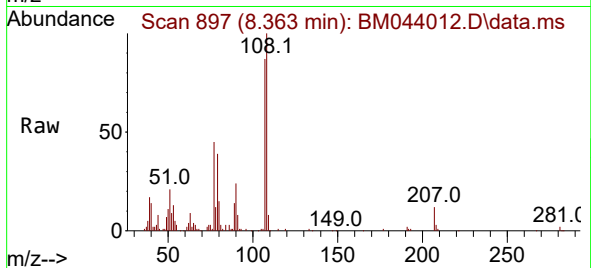




#17
2-Methylphenol
Concen: 3.338 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

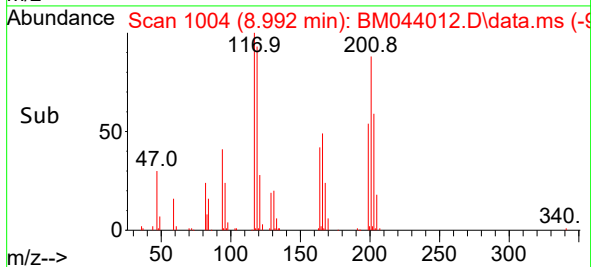
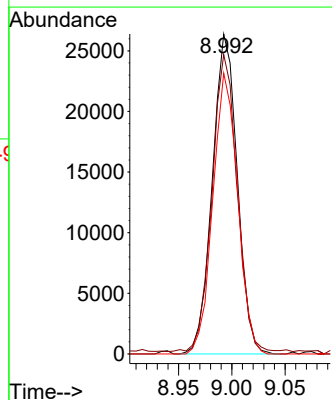
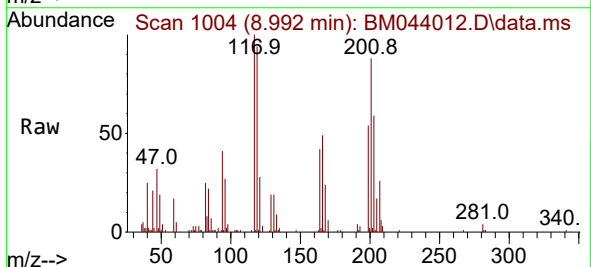
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

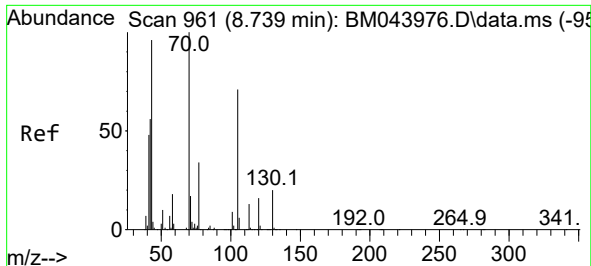
Tgt Ion:	107	Resp:	77906
Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.4	135.6
77	52.0	38.0	57.0
79	45.1	37.0	55.4



#18
Hexachloroethane
Concen: 3.790 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:	117	Resp:	42853
Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.7	115.1
201	87.8	73.4	110.2

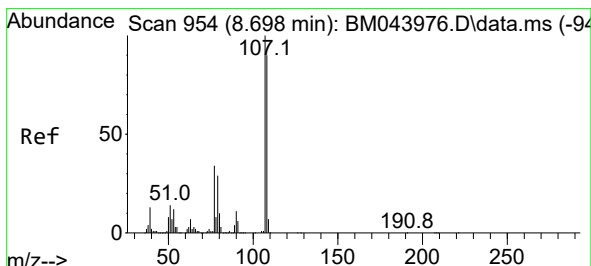
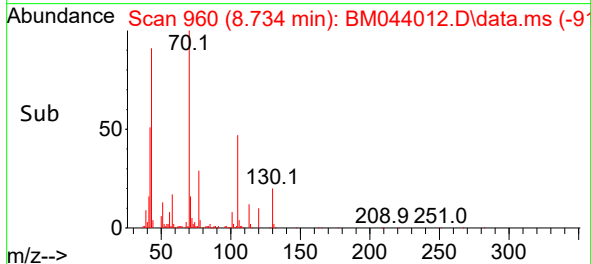
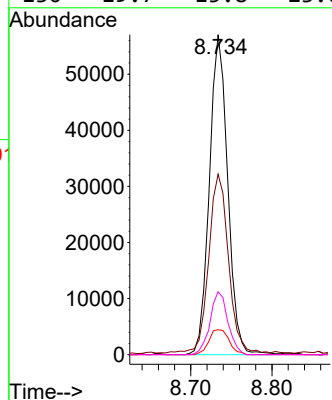
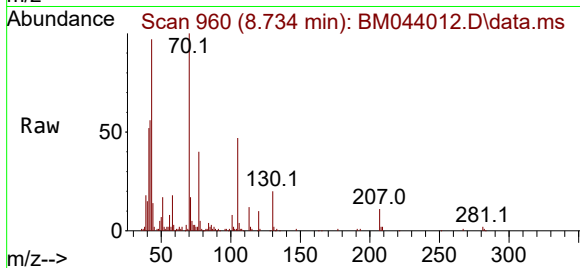




#19
n-Nitroso-di-n-propylamine
Concen: 3.701 ng
RT: 8.734 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

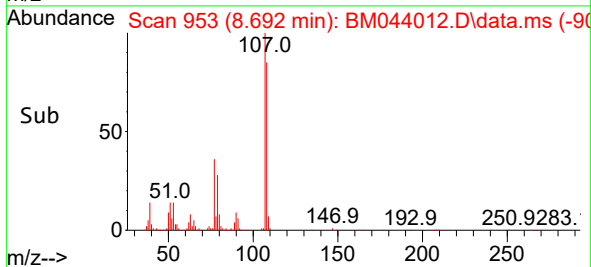
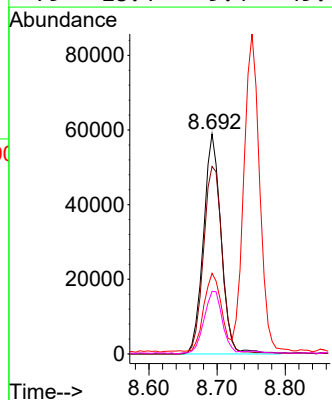
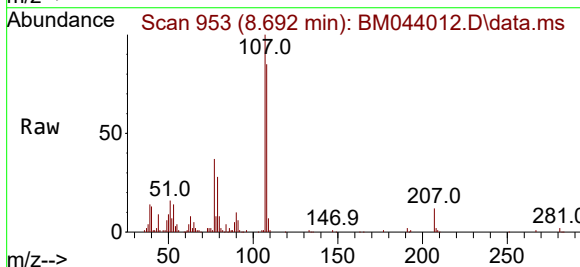
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

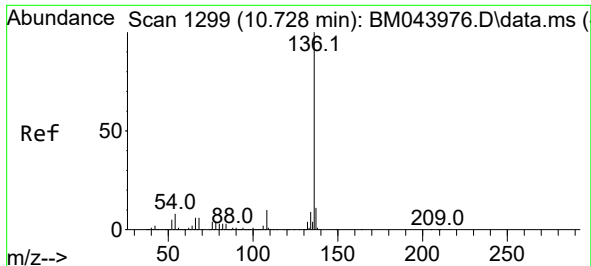
Tgt Ion: 70	Resp: 89437
Ion Ratio	Lower Upper
70 100	
42 56.4	45.6 68.4
101 7.8	7.5 11.3
130 19.7	15.8 23.6



#20
3+4-Methylphenols
Concen: 3.232 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt	Ion:107	Resp:	106466
Ion	Ratio	Lower	Upper
107	100		
108	85.2	70.3	110.3
77	36.7	14.0	54.0
79	28.4	9.4	49.4

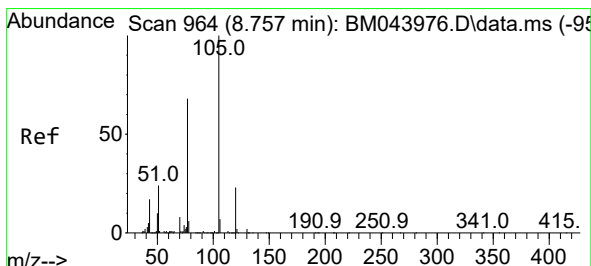
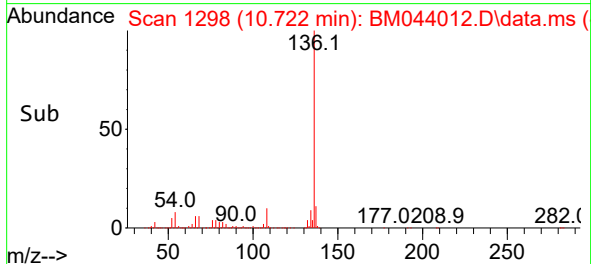
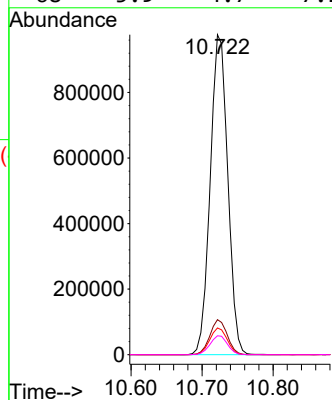
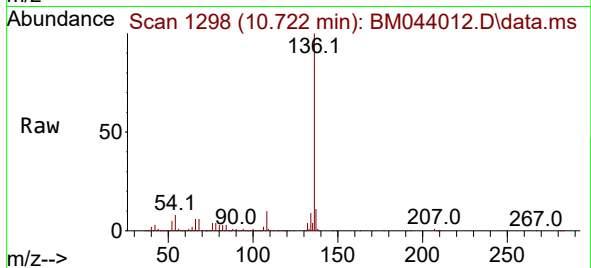




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

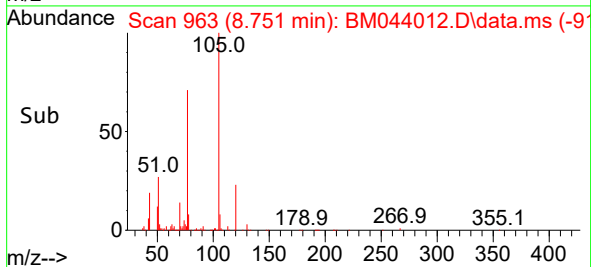
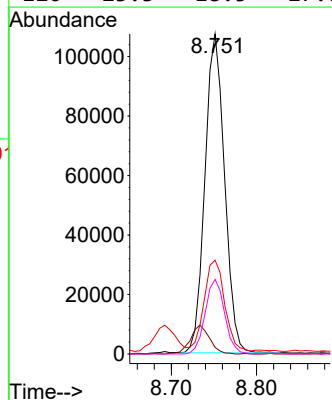
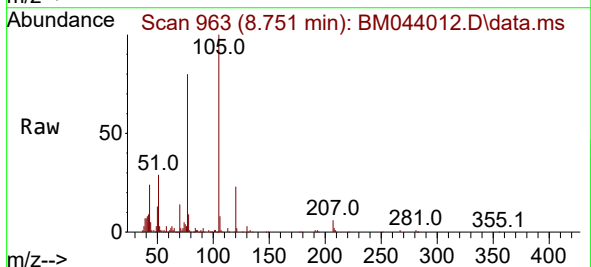
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

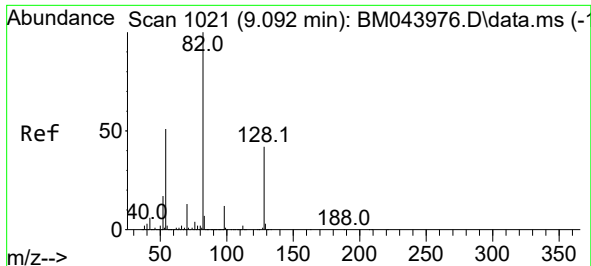
Tgt Ion:136 Resp: 1674845
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.4 6.5 9.7
68 5.9 4.7 7.1



#22
Acetophenone
Concen: 3.778 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:105 Resp: 171429
Ion Ratio Lower Upper
105 100
71 2.1 1.6 2.4
51 29.3 21.8 32.6
120 23.3 18.5 27.7

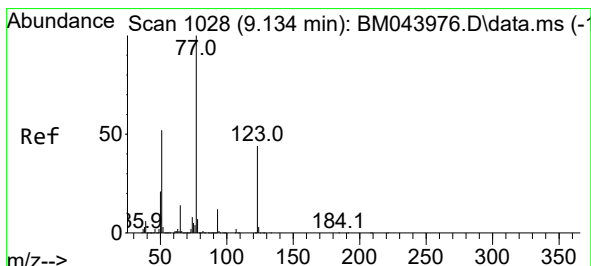
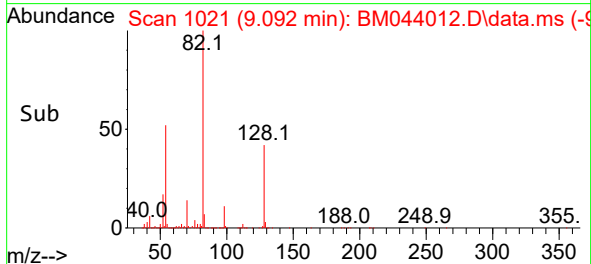
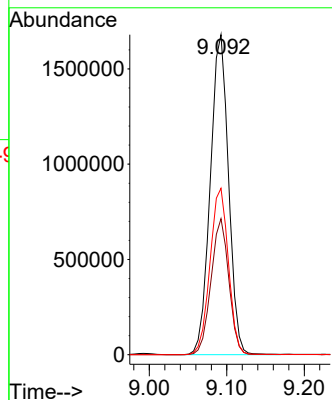
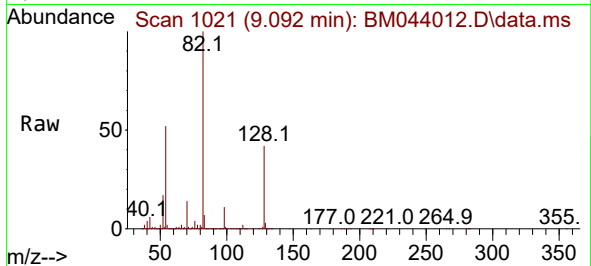




#23
Nitrobenzene-d5
Concen: 78.971 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

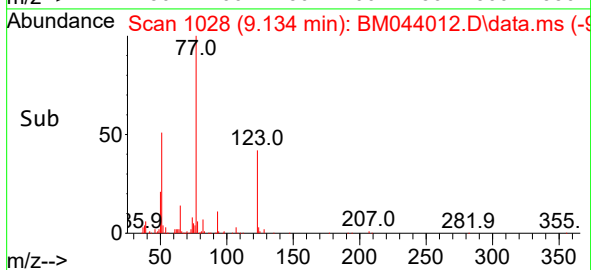
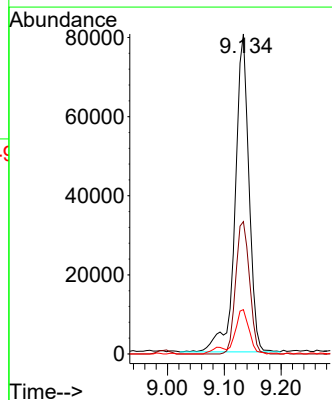
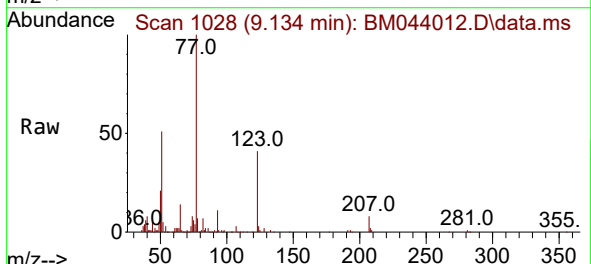
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

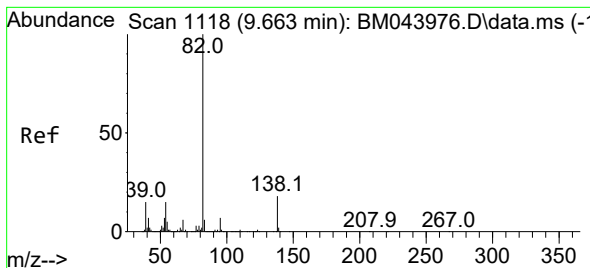
Tgt Ion: 82 Resp: 2743751
Ion Ratio Lower Upper
82 100
128 42.5 33.9 50.9
54 52.0 41.1 61.7



#24
Nitrobenzene
Concen: 3.889 ng
RT: 9.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 77 Resp: 135569
Ion Ratio Lower Upper
77 100
123 41.4 35.3 52.9
65 13.9 10.9 16.3





#25

Isophorone

Concen: 3.508 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

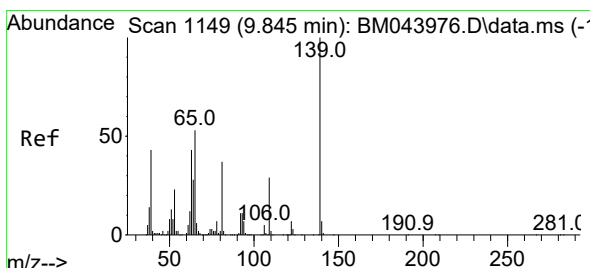
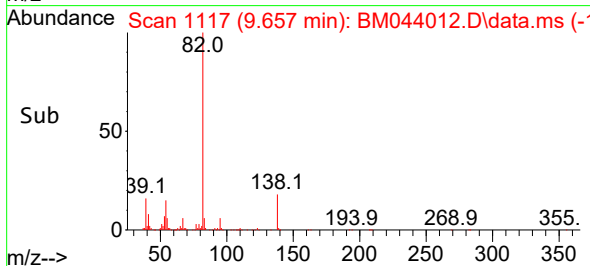
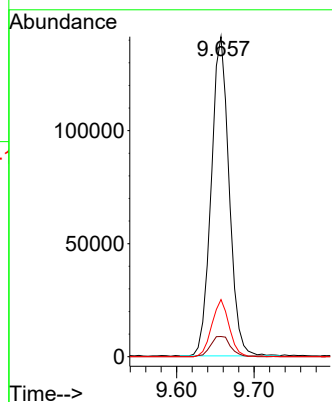
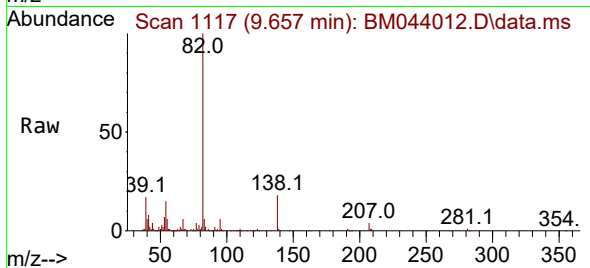
Tgt Ion: 82 Resp: 226898

Ion Ratio Lower Upper

82 100

95 6.3 5.6 8.4

138 17.9 14.2 21.2



#26

2-Nitrophenol

Concen: 2.954 ng

RT: 9.845 min Scan# 1149

Delta R.T. 0.000 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

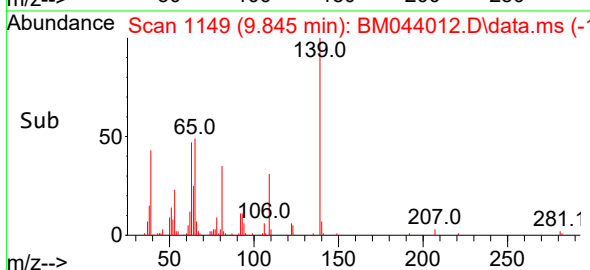
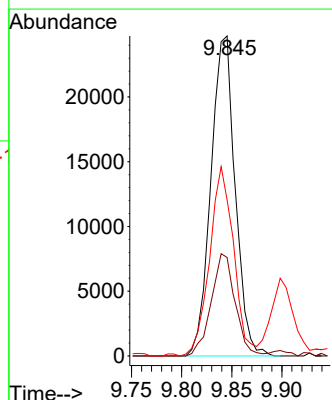
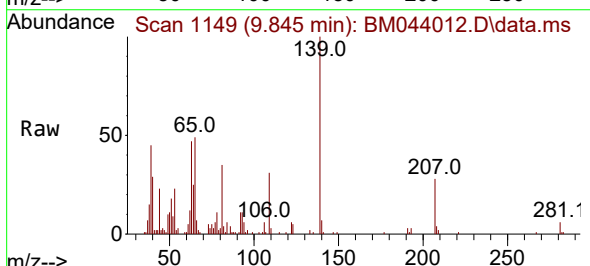
Tgt Ion: 139 Resp: 41613

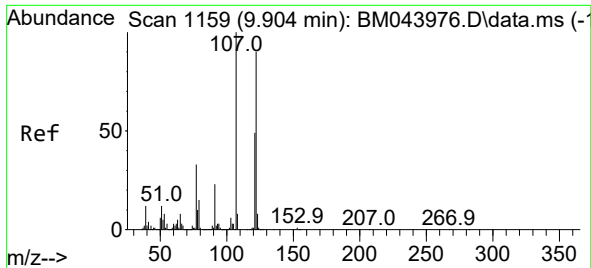
Ion Ratio Lower Upper

139 100

109 30.8 23.3 34.9

65 48.8 42.5 63.7

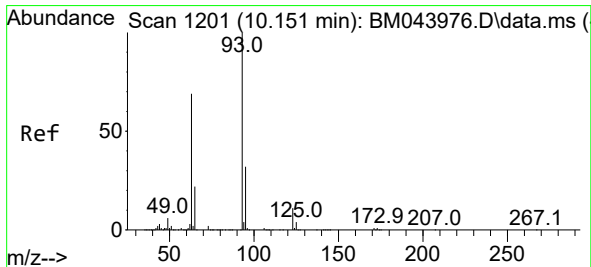
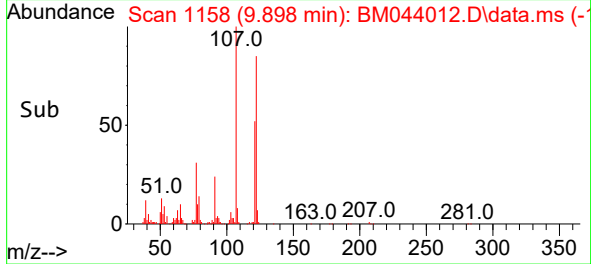
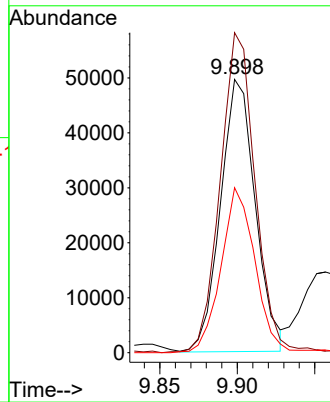
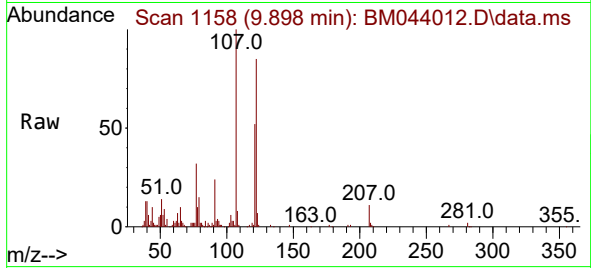




#27
2,4-Dimethylphenol
Concen: 4.003 ng
RT: 9.898 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

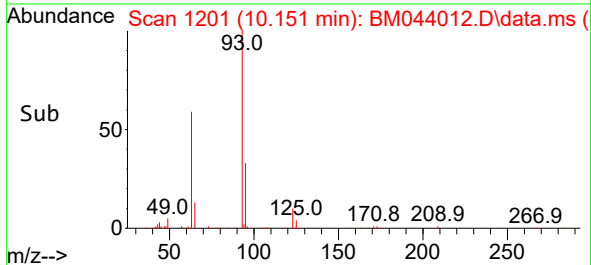
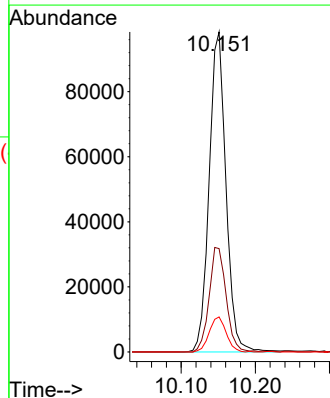
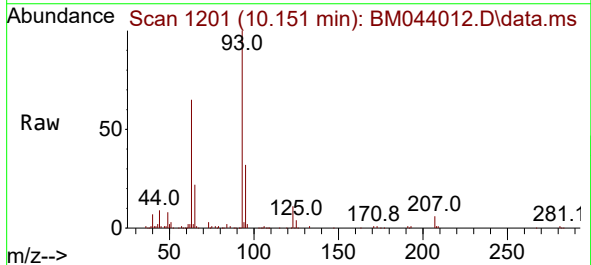
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

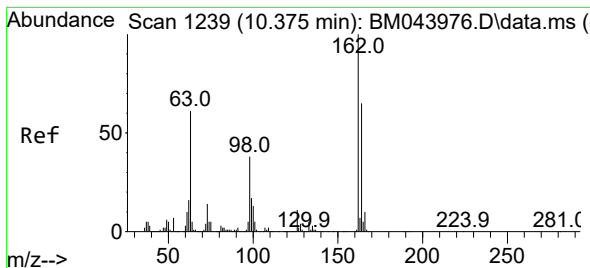
Tgt Ion:122 Resp: 77447
Ion Ratio Lower Upper
122 100
107 117.1 89.0 133.4
121 60.3 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 3.916 ng
RT: 10.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 93 Resp: 154658
Ion Ratio Lower Upper
93 100
95 32.3 25.9 38.9
123 11.0 9.1 13.7

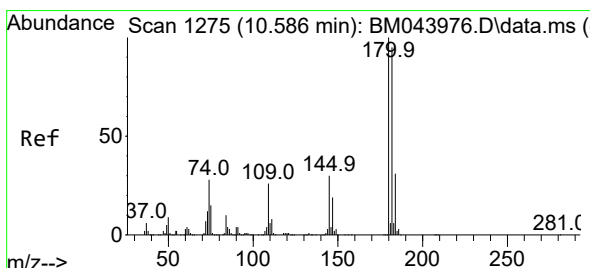
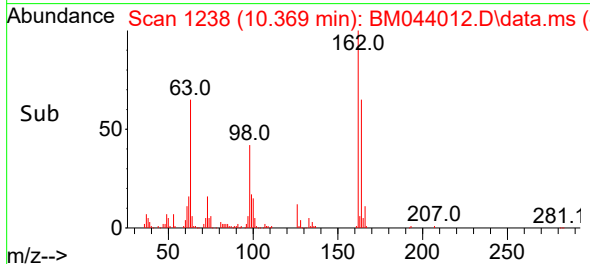
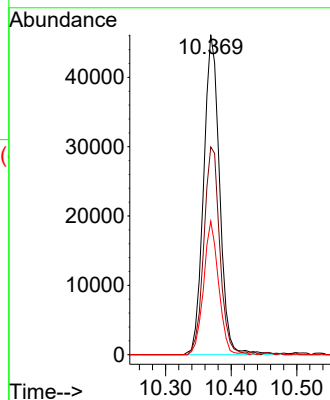
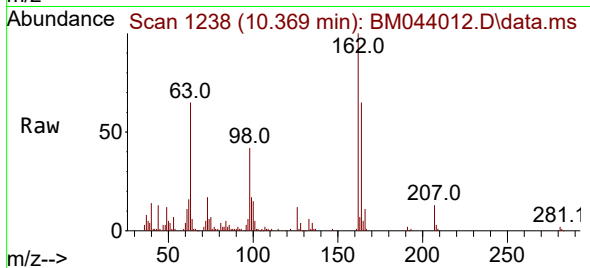




#29
2,4-Dichlorophenol
Concen: 3.183 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

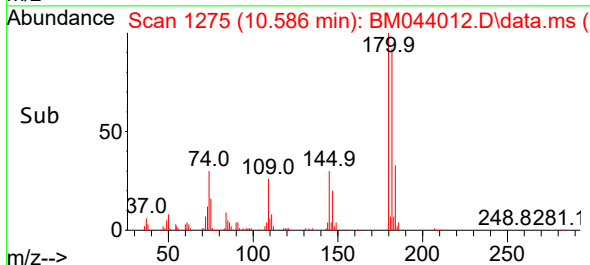
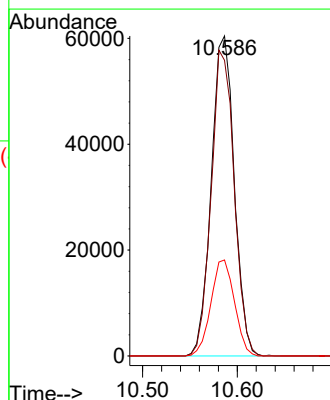
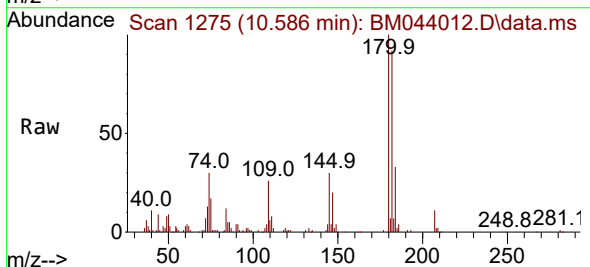
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

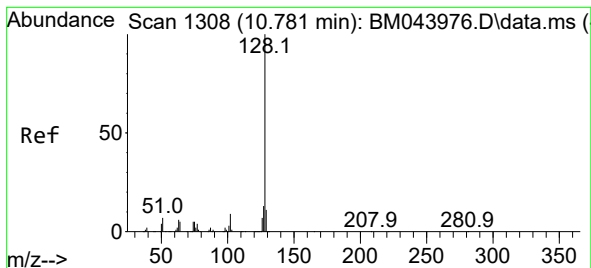
Tgt Ion:162 Resp: 78543
Ion Ratio Lower Upper
162 100
164 64.9 45.1 85.1
98 41.7 17.8 57.8



#30
1,2,4-Trichlorobenzene
Concen: 3.662 ng
RT: 10.586 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:180 Resp: 102048
Ion Ratio Lower Upper
180 100
182 92.4 76.0 114.0
145 30.0 24.2 36.2





#31

Naphthalene

Concen: 3.652 ng

RT: 10.775 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

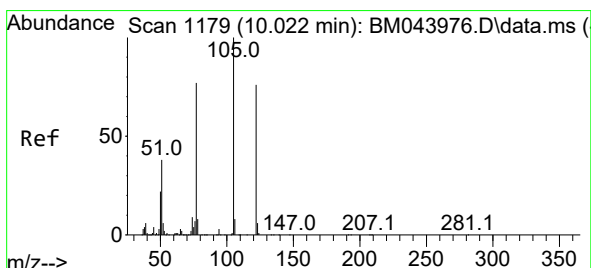
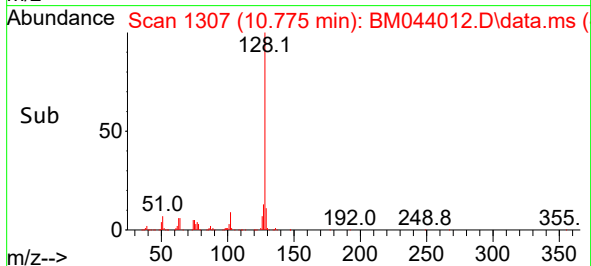
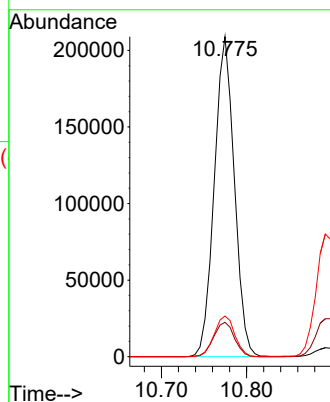
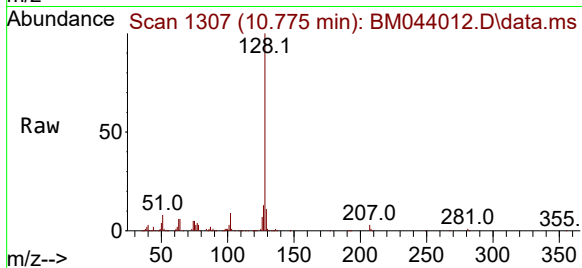
Tgt Ion:128 Resp: 340880

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 12.7 10.1 15.1



#32

Benzoic acid

Concen: 7.961 ng

RT: 9.957 min Scan# 1168

Delta R.T. -0.065 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

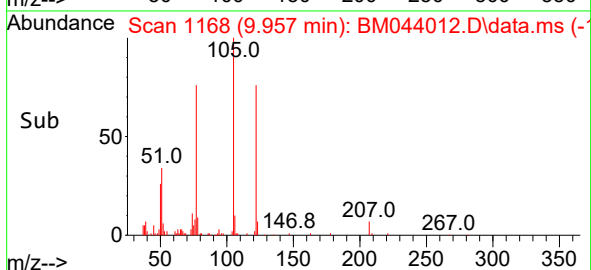
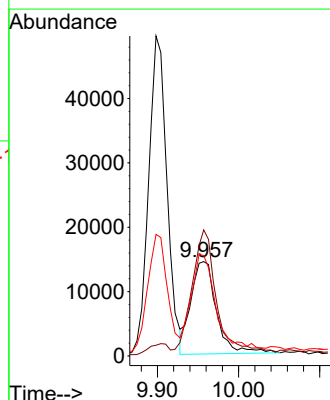
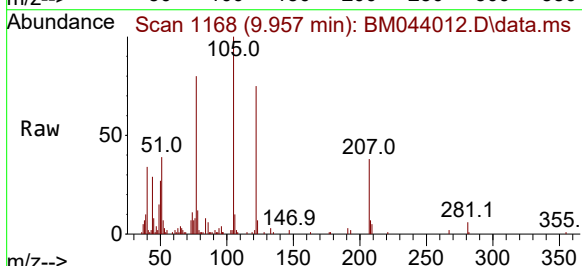
Tgt Ion:122 Resp: 31528

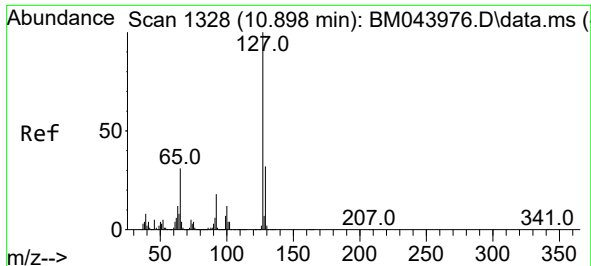
Ion Ratio Lower Upper

122 100

105 133.6 109.4 149.4

77 106.5 80.5 120.5

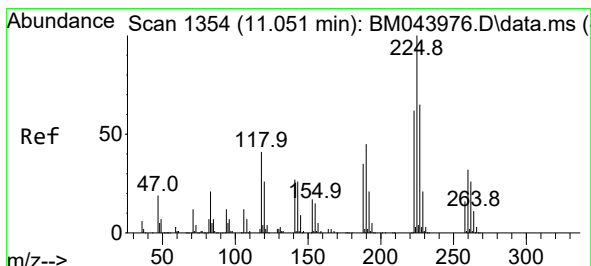
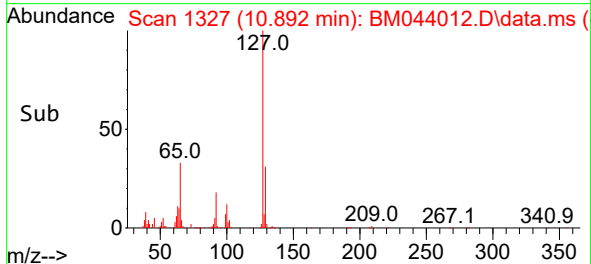
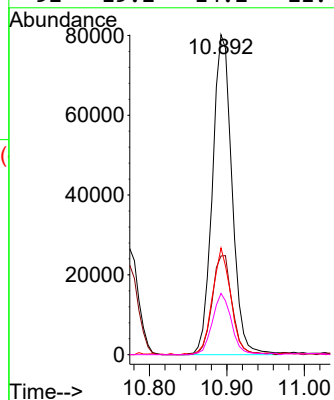
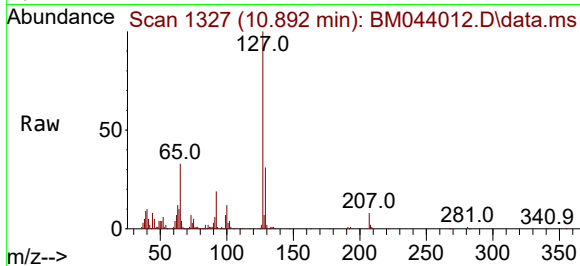




#33
4-Chloroaniline
Concen: 3.669 ng
RT: 10.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

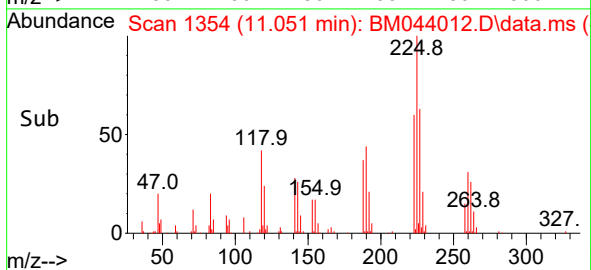
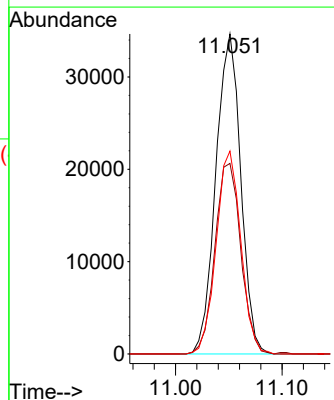
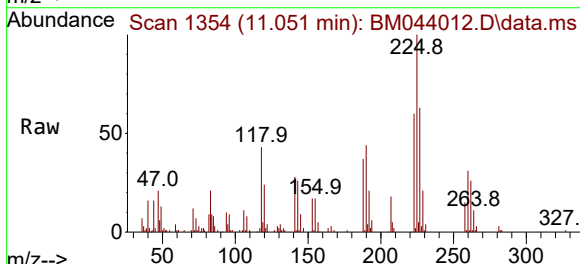
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

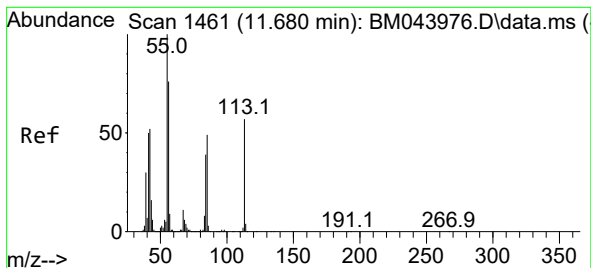
Tgt Ion:	127	Resp:	140795
Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.6	38.4
65	33.3	24.5	36.7
92	19.2	14.2	21.4



#34
Hexachlorobutadiene
Concen: 3.704 ng
RT: 11.051 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:	225	Resp:	56300
Ion	Ratio	Lower	Upper
225	100		
223	59.5	49.8	74.8
227	63.4	51.7	77.5





#35

Caprolactam

Concen: 2.745 ng

RT: 11.663 min Scan# 14

Delta R.T. -0.018 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

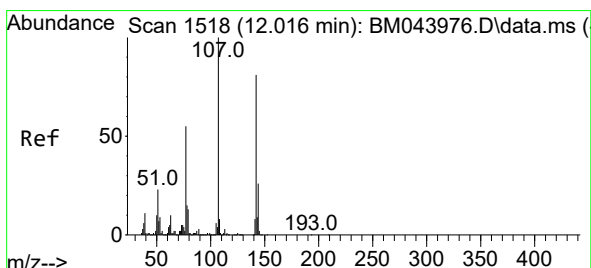
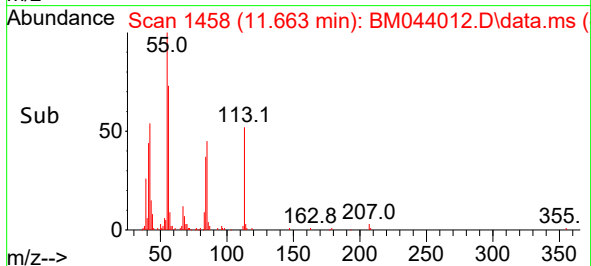
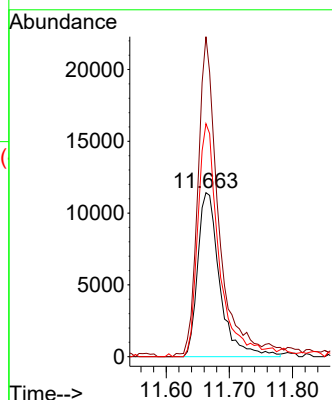
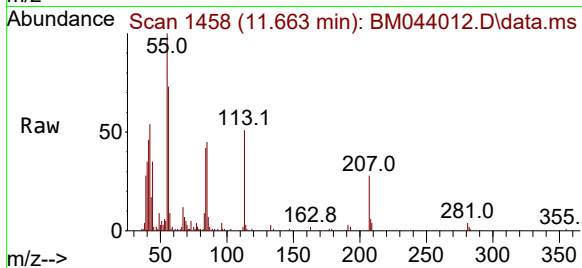
Tgt Ion:113 Resp: 27770

Ion Ratio Lower Upper

113 100

55 195.0 154.3 194.3#

56 142.0 112.2 152.2



#36

4-Chloro-3-methylphenol

Concen: 3.110 ng

RT: 12.010 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

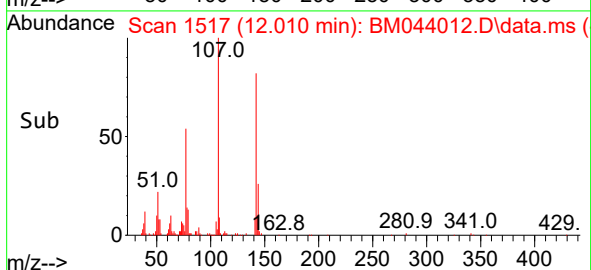
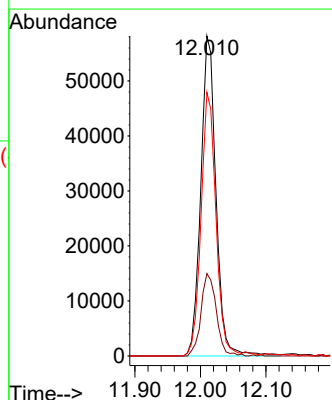
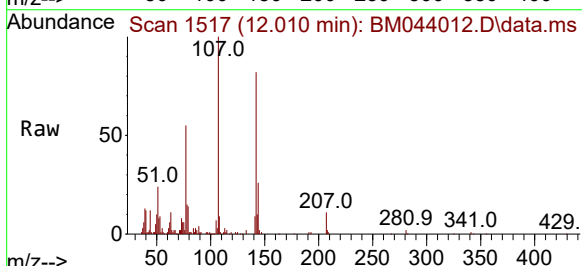
Tgt Ion:107 Resp: 93985

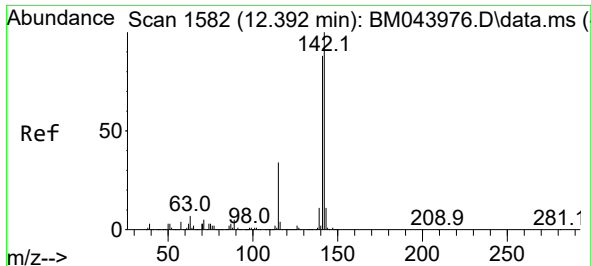
Ion Ratio Lower Upper

107 100

144 25.7 21.1 31.7

142 82.4 65.0 97.4

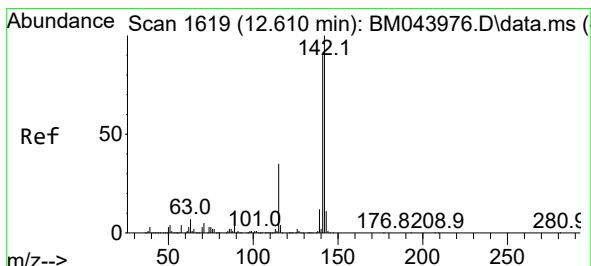
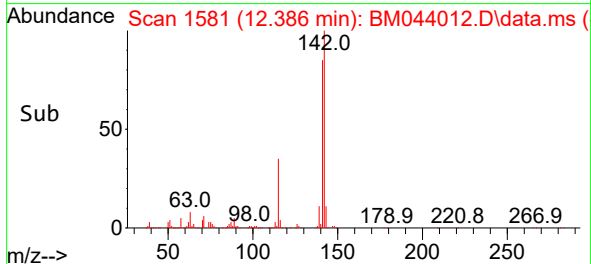
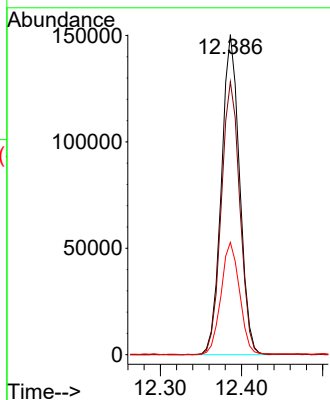
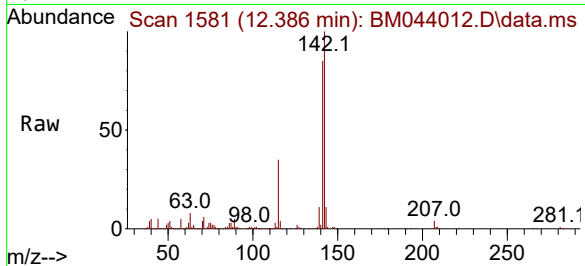




#37
2-Methylnaphthalene
Concen: 3.599 ng
RT: 12.386 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

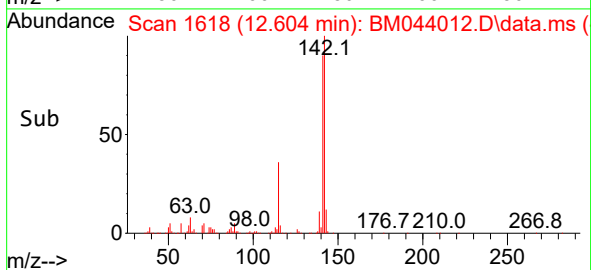
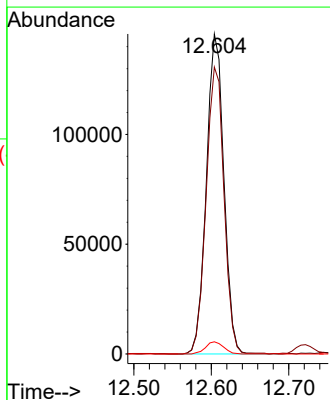
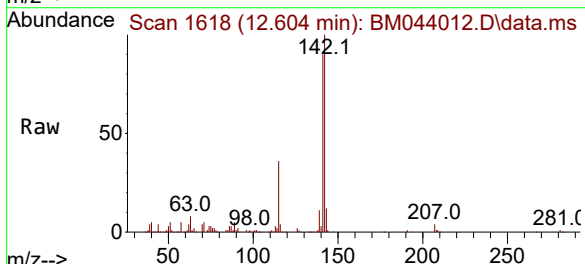
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

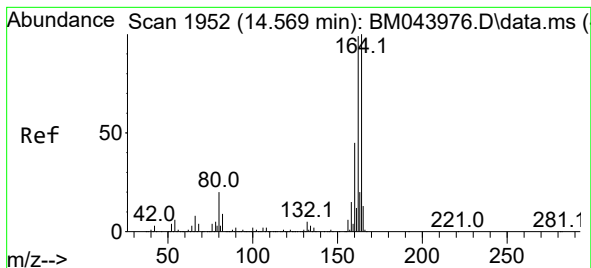
Tgt Ion:142 Resp: 234295
Ion Ratio Lower Upper
142 100
141 85.3 70.2 105.2
115 35.1 27.2 40.8



#38
1-Methylnaphthalene
Concen: 3.529 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:142 Resp: 229317
Ion Ratio Lower Upper
142 100
141 89.6 72.1 108.1
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

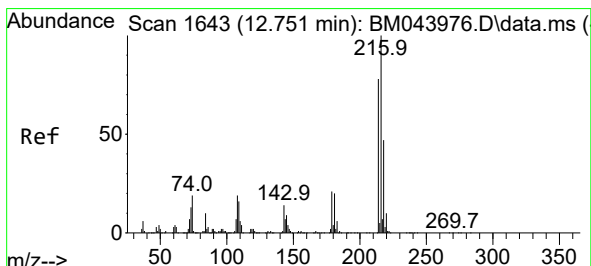
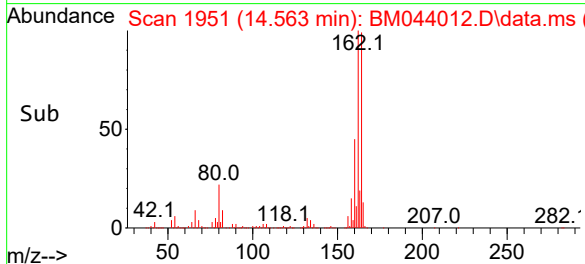
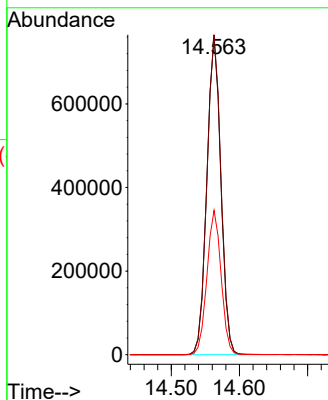
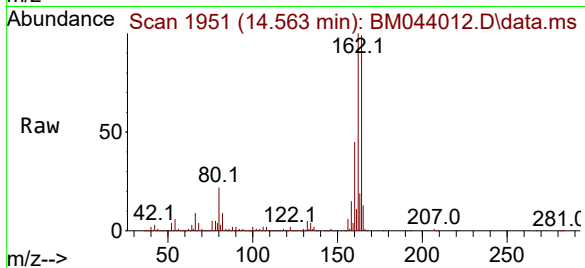
Tgt Ion:164 Resp: 1084621

Ion Ratio Lower Upper

164 100

162 100.8 79.0 118.4

160 45.5 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.757 ng

RT: 12.751 min Scan# 1643

Delta R.T. 0.000 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Tgt Ion:216 Resp: 115564

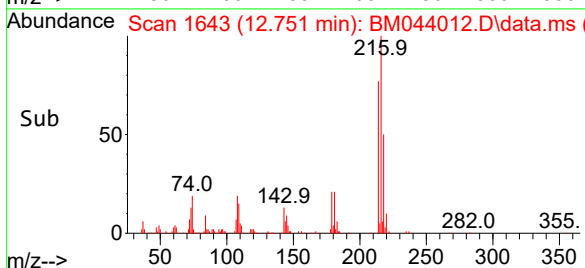
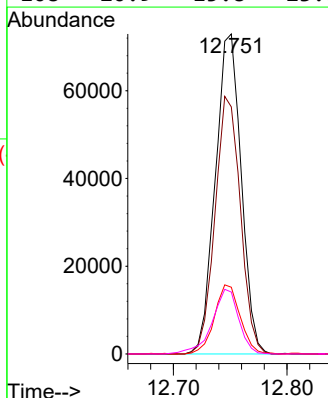
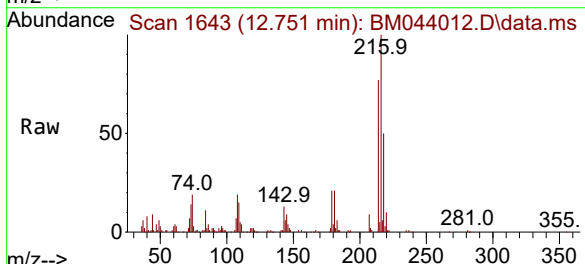
Ion Ratio Lower Upper

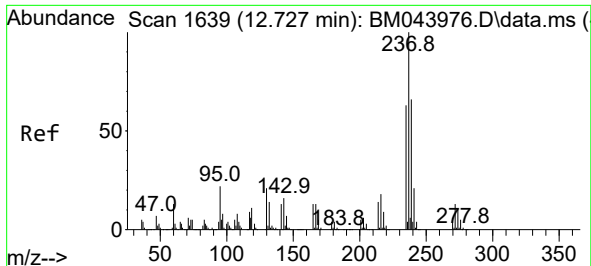
216 100

214 78.8 62.6 94.0

179 21.5 16.7 25.1

108 20.9 15.8 23.8

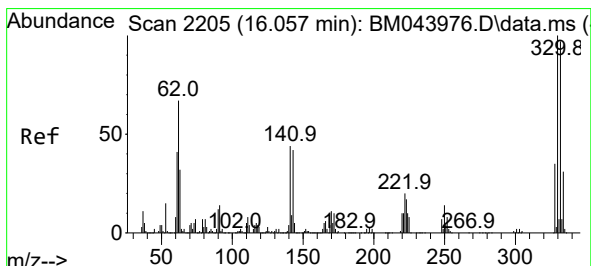
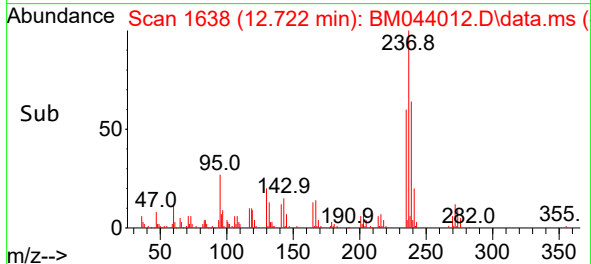
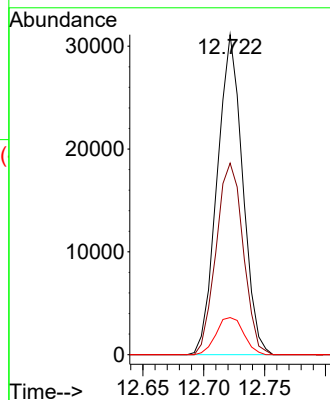
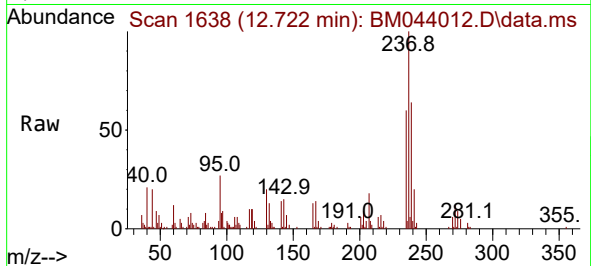




#41
Hexachlorocyclopentadiene
Concen: 4.468 ng
RT: 12.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

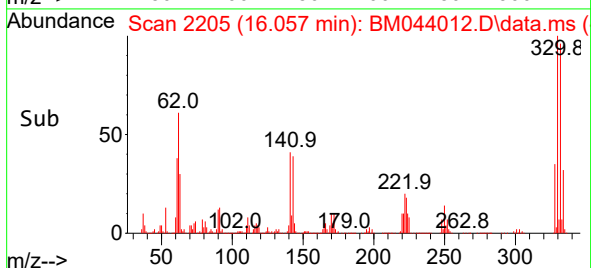
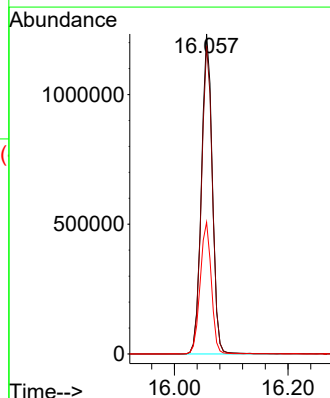
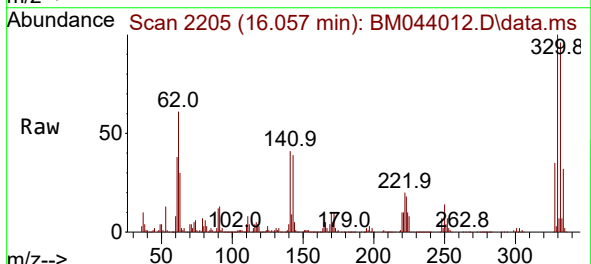
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

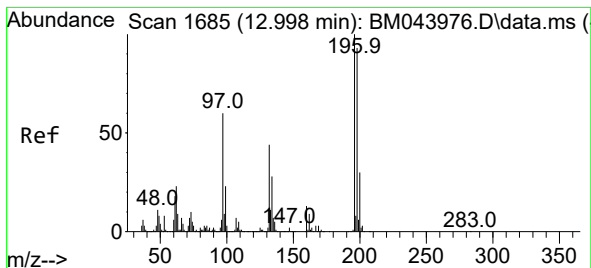
Tgt Ion:237 Resp: 45205
Ion Ratio Lower Upper
237 100
235 59.9 43.5 83.5
272 11.6 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 124.369 ng
RT: 16.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:330 Resp: 1644334
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 42.1 33.5 50.3





#43

2,4,6-Trichlorophenol

Concen: 3.006 ng

RT: 12.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

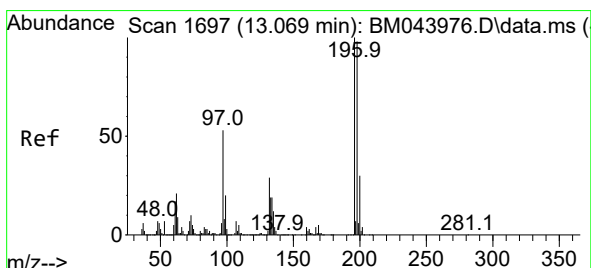
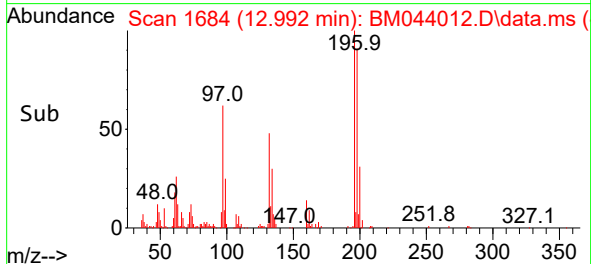
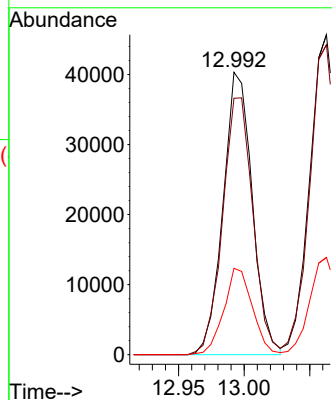
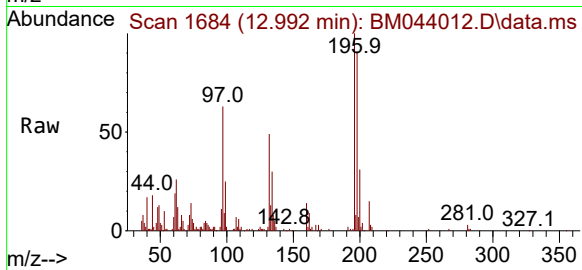
Tgt Ion:196 Resp: 62484

Ion Ratio Lower Upper

196 100

198 90.8 74.2 111.2

200 30.6 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 2.991 ng

RT: 13.063 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Tgt Ion:196 Resp: 70929

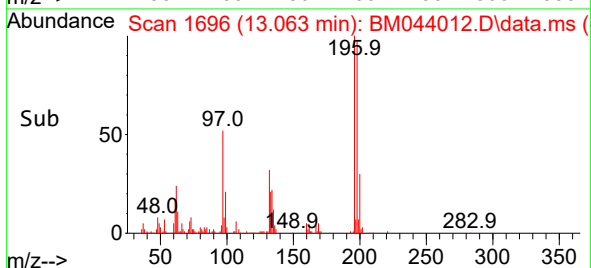
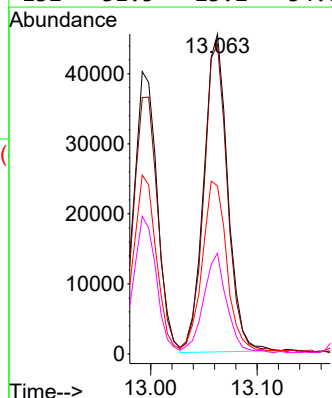
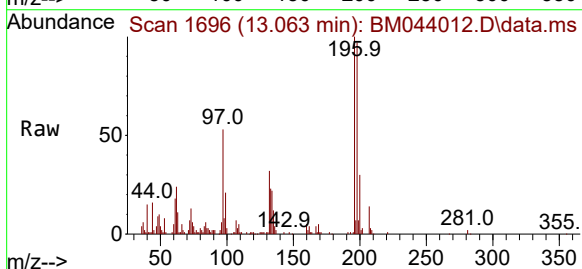
Ion Ratio Lower Upper

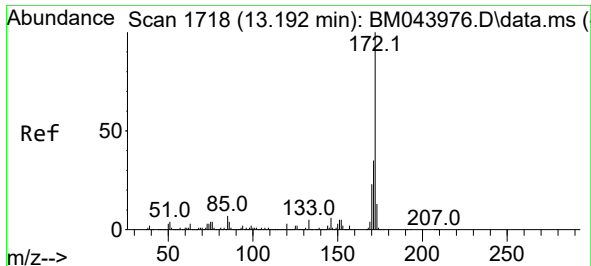
196 100

198 96.8 78.1 117.1

97 52.6 42.2 63.2

132 31.5 23.2 34.8

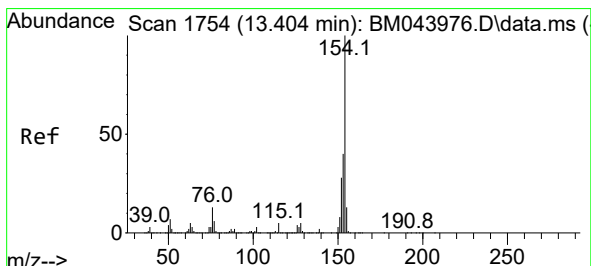
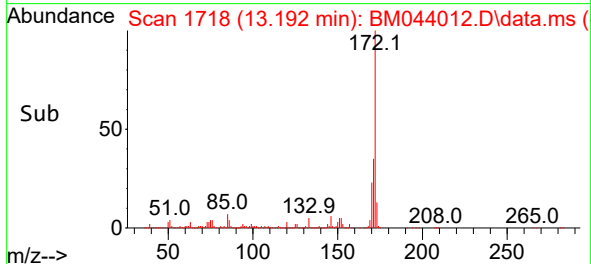
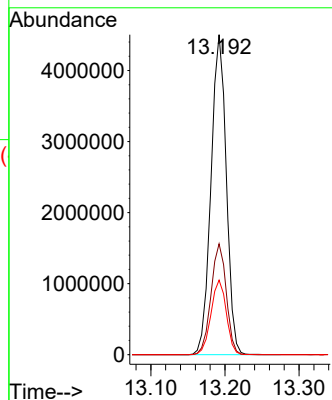
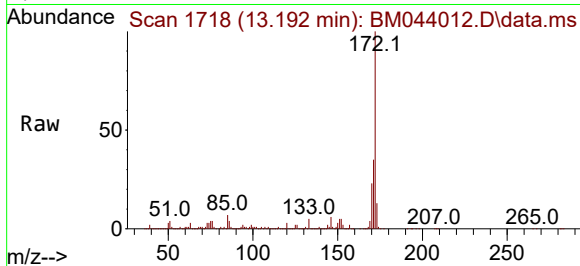




#45
2-Fluorobiphenyl
Concen: 81.669 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

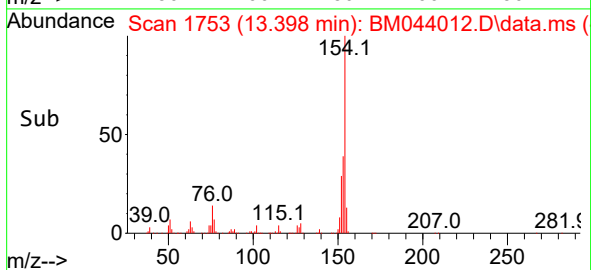
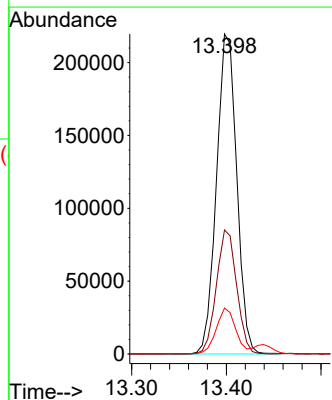
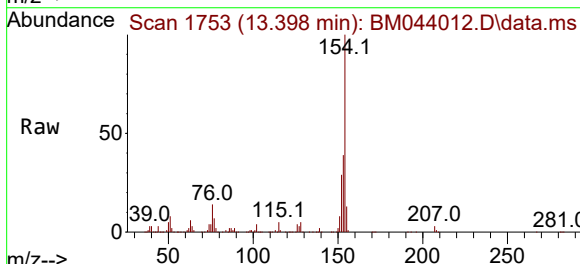
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

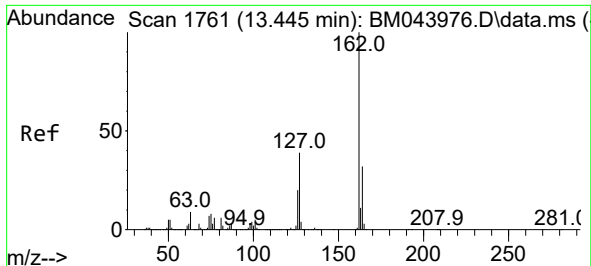
Tgt Ion:172 Resp: 6446508
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 3.834 ng
RT: 13.398 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:154 Resp: 327013
Ion Ratio Lower Upper
154 100
153 38.8 19.8 59.8
76 14.4 0.0 33.0

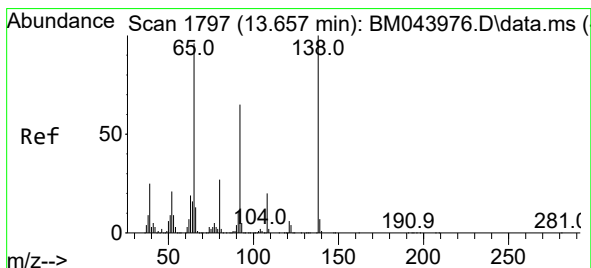
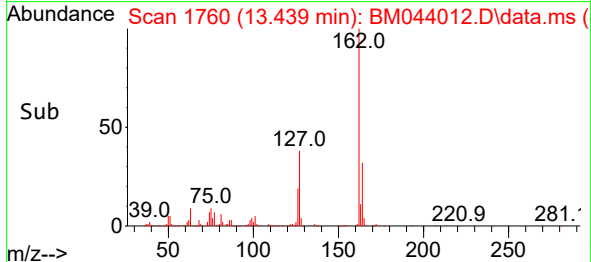
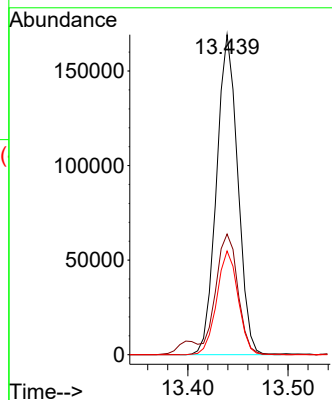
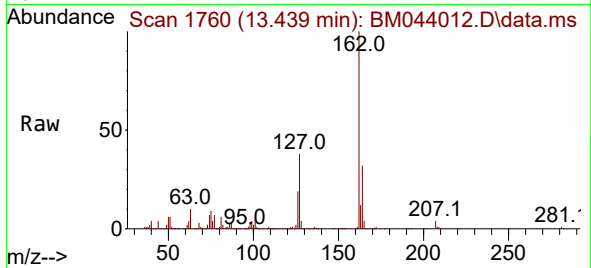




#47
2-Chloronaphthalene
Concen: 3.655 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

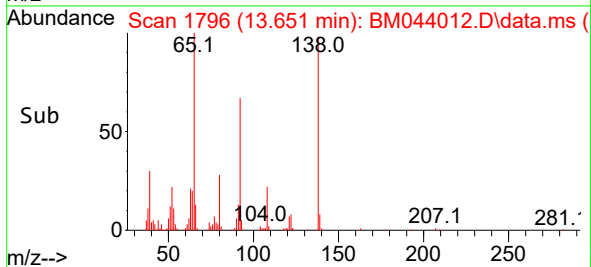
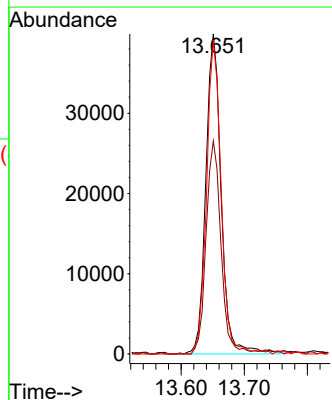
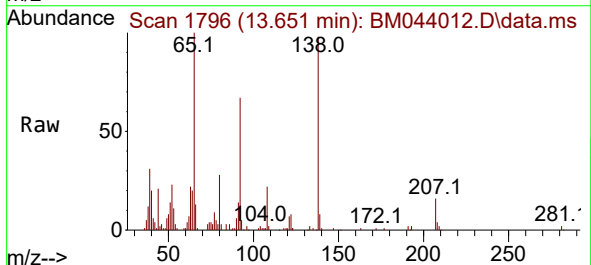
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

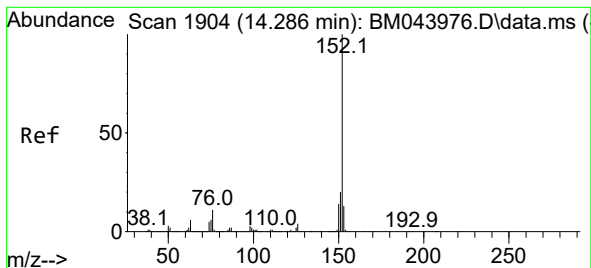
Tgt Ion:162 Resp: 248623
Ion Ratio Lower Upper
162 100
127 37.7 31.0 46.6
164 32.4 25.8 38.6



#48
2-Nitroaniline
Concen: 3.045 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion: 65 Resp: 67376
Ion Ratio Lower Upper
65 100
92 66.6 53.6 80.4
138 98.2 83.0 124.6





#49

Acenaphthylene

Concen: 3.776 ng

RT: 14.286 min Scan# 1904

Delta R.T. 0.000 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

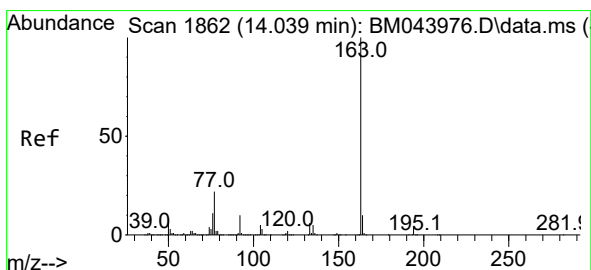
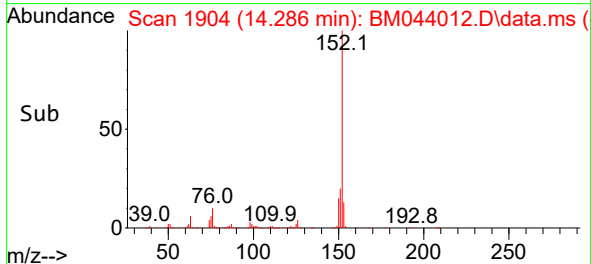
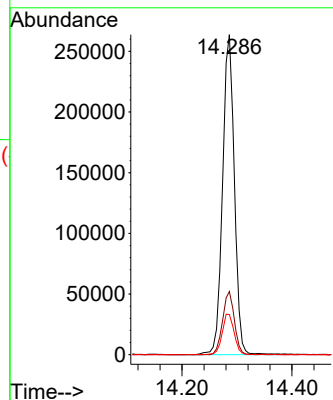
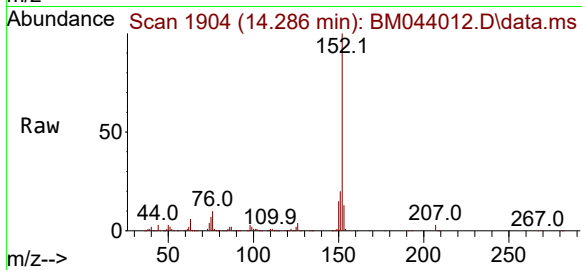
Tgt Ion:152 Resp: 392657

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

153 12.6 10.4 15.6



#50

Dimethylphthalate

Concen: 3.714 ng

RT: 14.033 min Scan# 1861

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

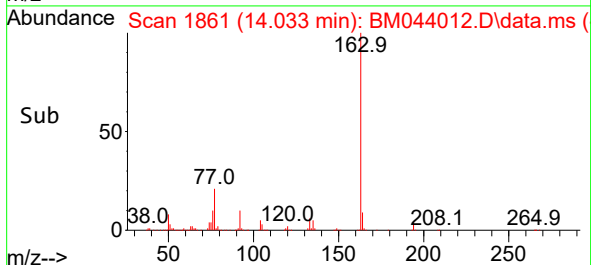
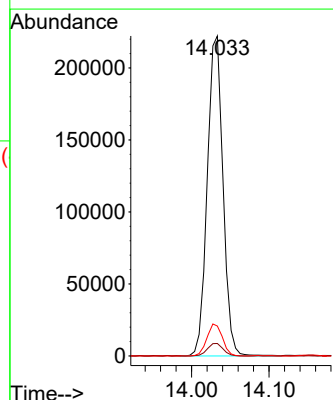
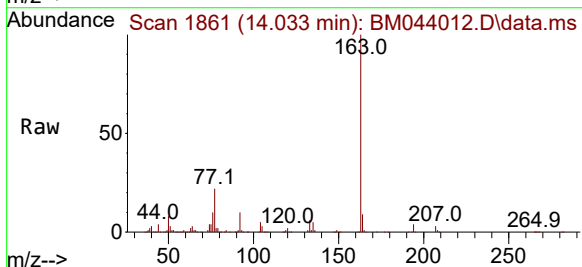
Tgt Ion:163 Resp: 312872

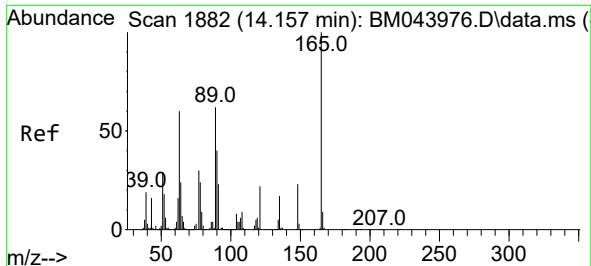
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.4 8.0 12.0

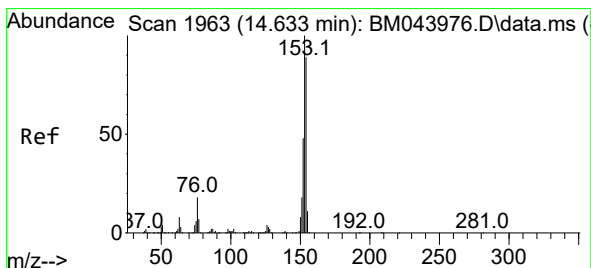
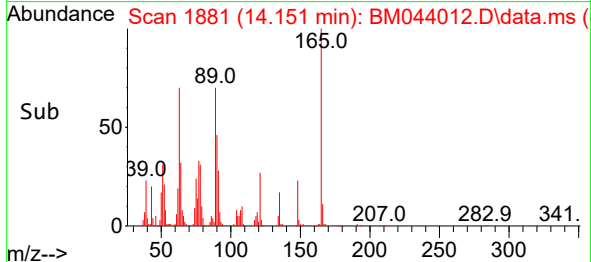
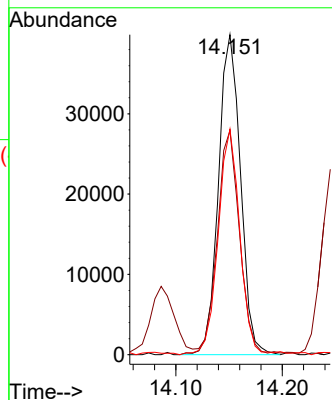
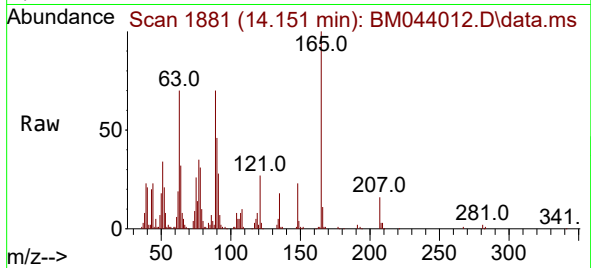




#51
2,6-Dinitrotoluene
Concen: 3.088 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

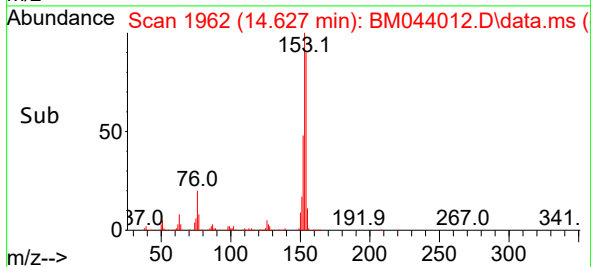
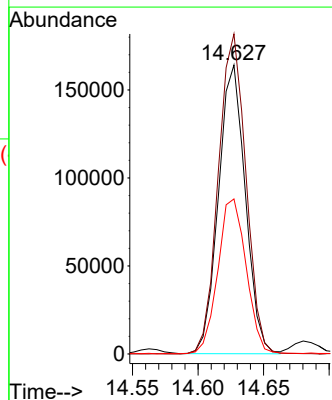
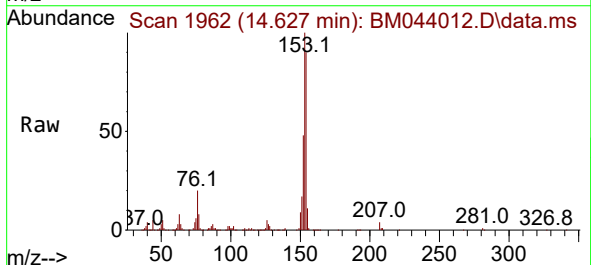
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

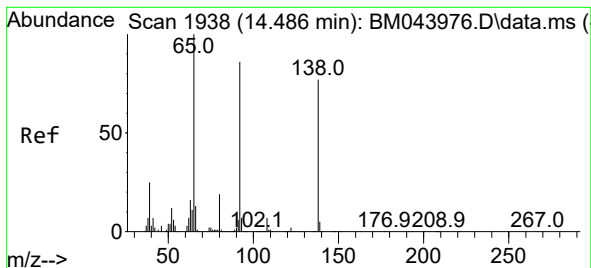
Tgt Ion:165 Resp: 57188
Ion Ratio Lower Upper
165 100
63 70.1 51.1 76.7
89 70.5 49.5 74.3



#52
Acenaphthene
Concen: 3.549 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:154 Resp: 233917
Ion Ratio Lower Upper
154 100
153 110.8 90.1 135.1
152 53.7 43.6 65.4

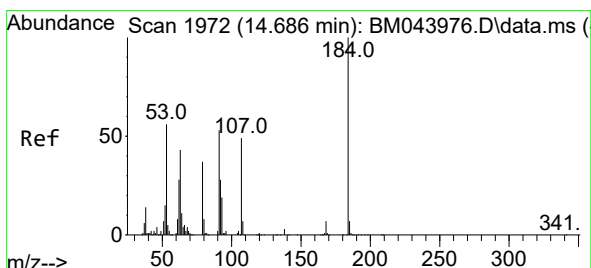
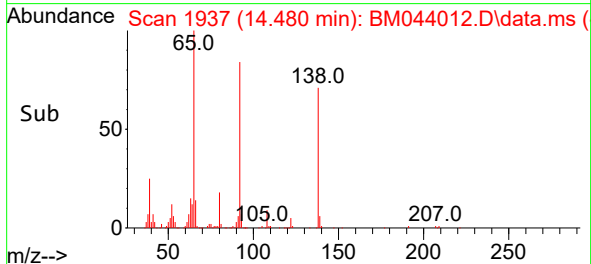
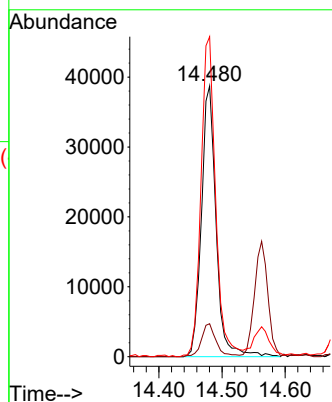
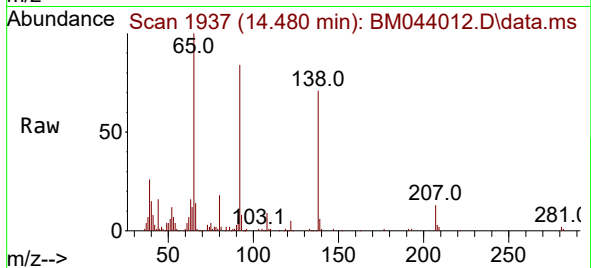




#53
3-Nitroaniline
Concen: 2.906 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

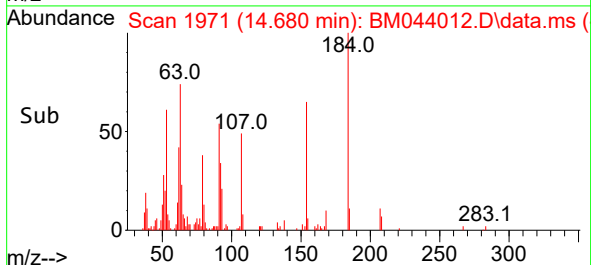
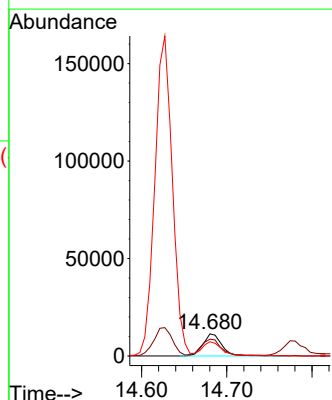
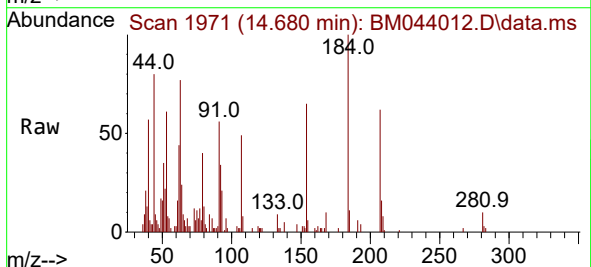
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

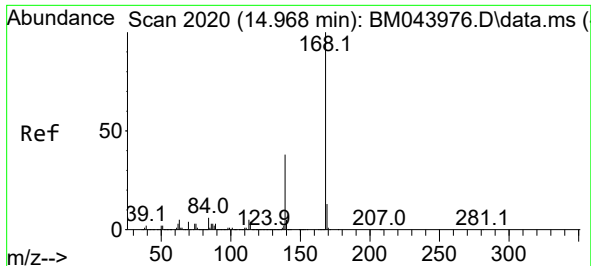
Tgt Ion:138 Resp: 62483
Ion Ratio Lower Upper
138 100
108 12.2 7.8 11.6#
92 118.2 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 8.782 ng
RT: 14.680 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:184 Resp: 17253
Ion Ratio Lower Upper
184 100
63 76.6 62.8 94.2
154 64.9 51.4 77.2

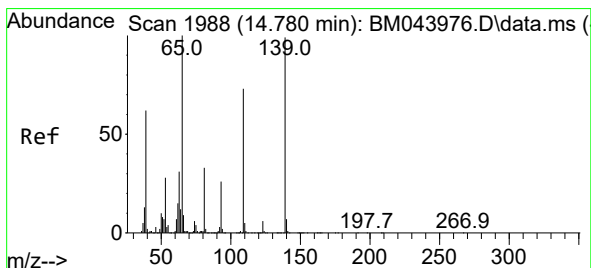
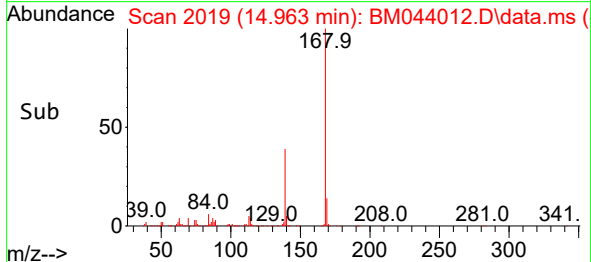
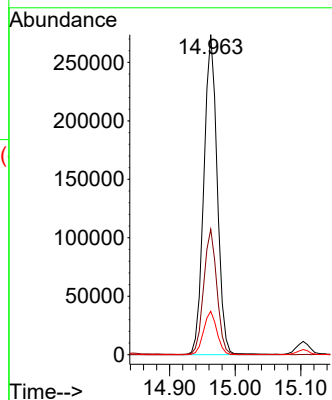
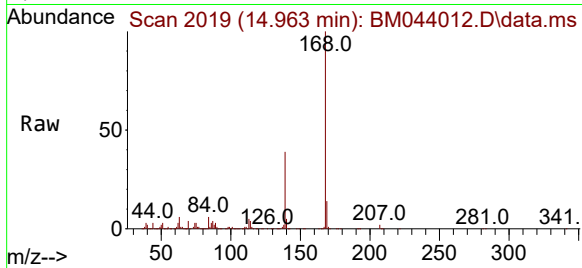




#55
Dibenzenofuran
Concen: 3.788 ng
RT: 14.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

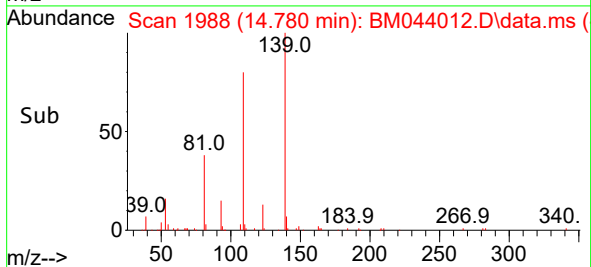
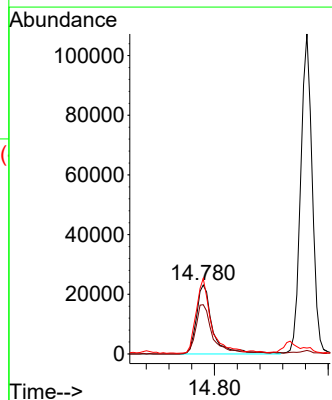
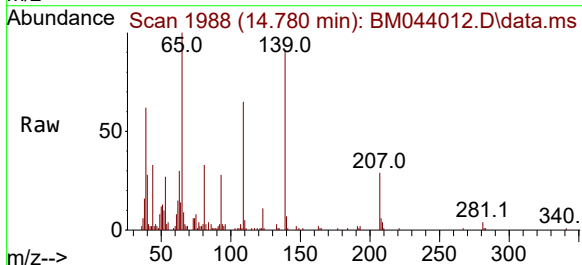
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

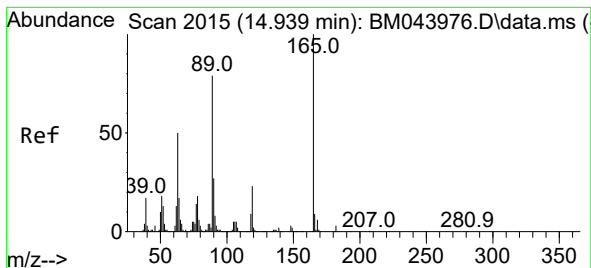
Tgt Ion:168 Resp: 388532
Ion Ratio Lower Upper
168 100
139 39.2 30.7 46.1
169 13.5 10.5 15.7



#56
4-Nitrophenol
Concen: 2.448 ng
RT: 14.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:139 Resp: 45989
Ion Ratio Lower Upper
139 100
109 71.5 53.2 93.2
65 109.5 80.7 120.7

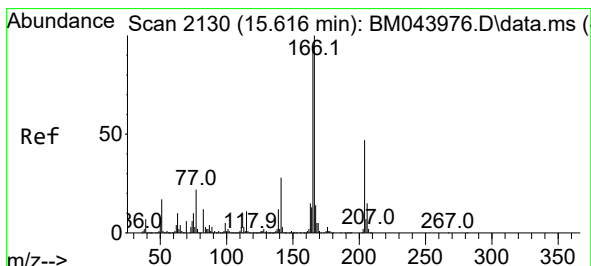
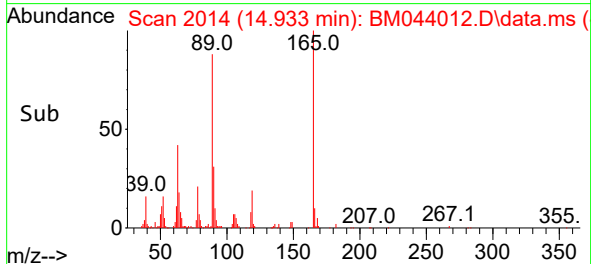
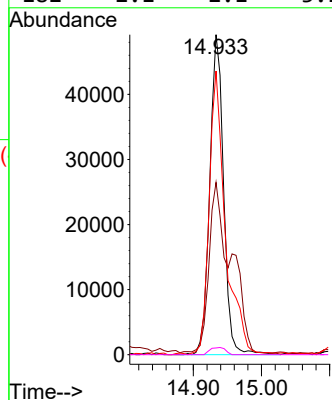
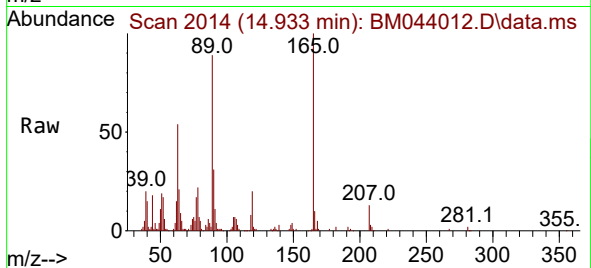




#57
2,4-Dinitrotoluene
Concen: 2.700 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

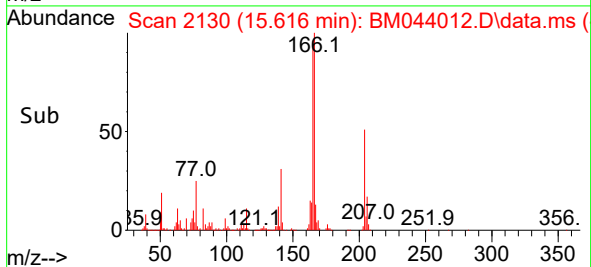
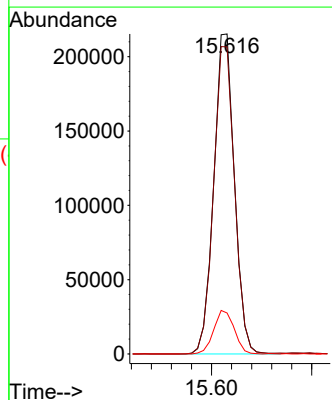
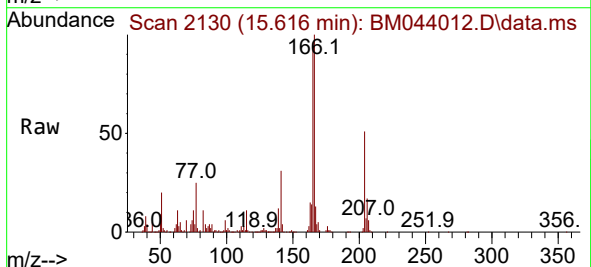
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

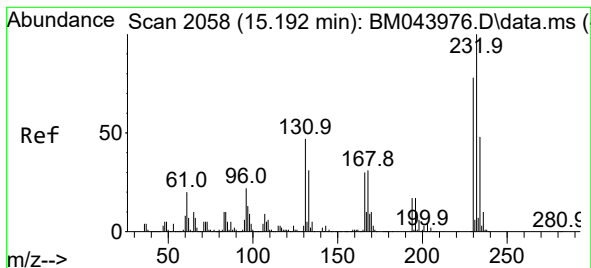
Tgt Ion:165 Resp: 69597
Ion Ratio Lower Upper
165 100
63 53.8 40.2 60.4
89 88.6 63.3 94.9
182 2.1 2.1 3.1



#58
Fluorene
Concen: 3.558 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:166 Resp: 308232
Ion Ratio Lower Upper
166 100
165 96.0 76.3 114.5
167 12.8 10.9 16.3

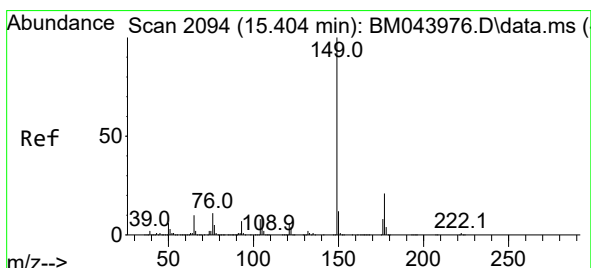
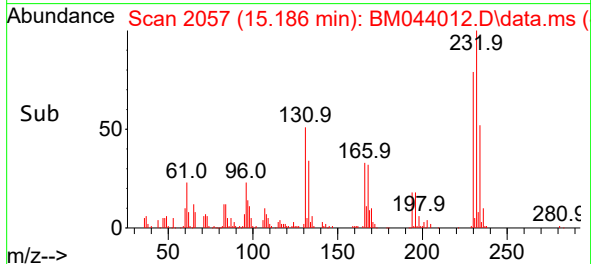
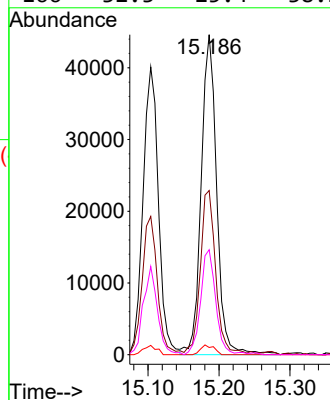
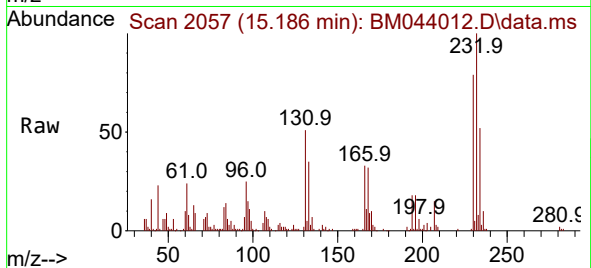




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.319 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

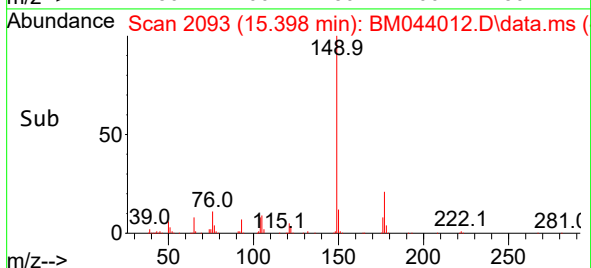
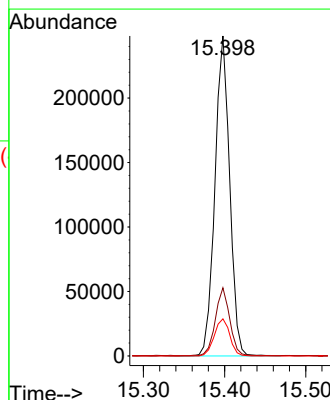
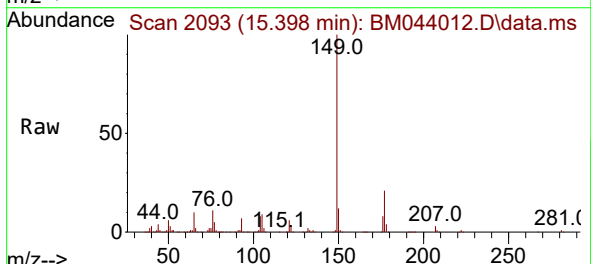
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

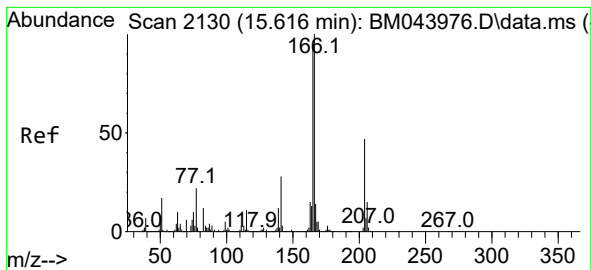
Tgt Ion:232 Resp: 67871
Ion Ratio Lower Upper
232 100
131 49.9 39.8 59.6
130 2.6 2.0 3.0
166 32.3 25.4 38.2



#60
Diethylphthalate
Concen: 3.590 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:149 Resp: 313095
Ion Ratio Lower Upper
149 100
177 21.3 17.1 25.7
150 11.6 9.8 14.6

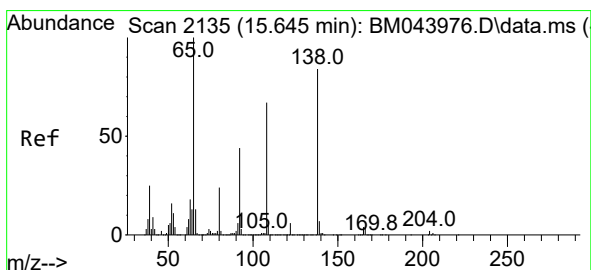
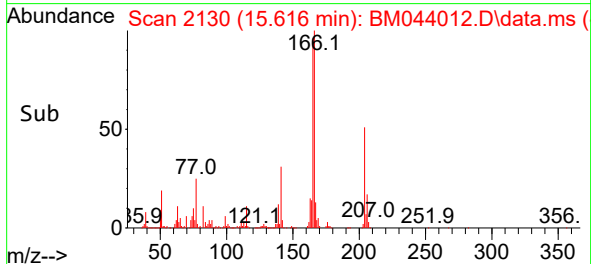
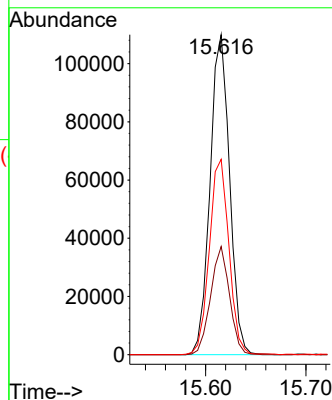
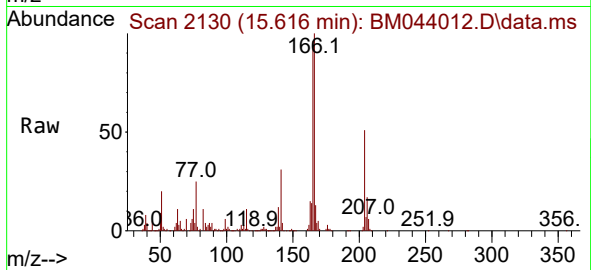




#61
4-Chlorophenyl-phenylether
Concen: 3.682 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

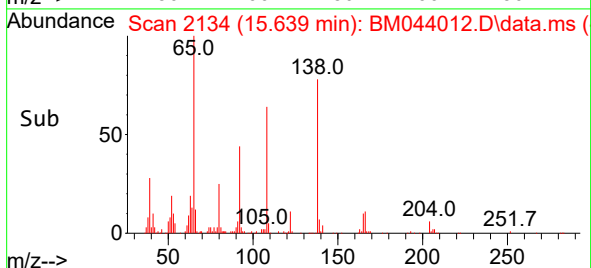
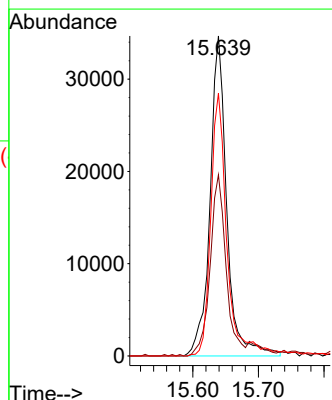
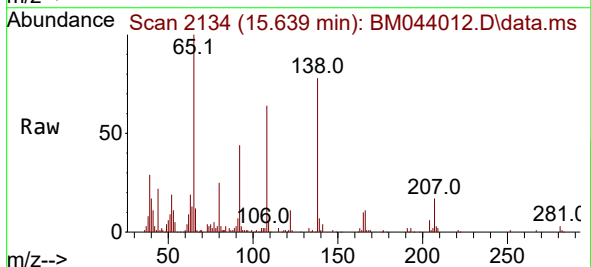
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

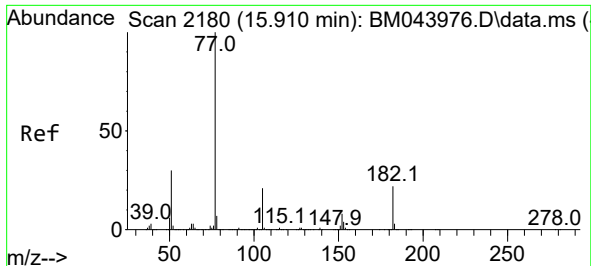
Tgt Ion:204 Resp: 148828
Ion Ratio Lower Upper
204 100
206 33.8 26.2 39.2
141 61.1 48.6 72.8



#62
4-Nitroaniline
Concen: 2.622 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:138 Resp: 61632
Ion Ratio Lower Upper
138 100
92 56.6 32.7 72.7
108 82.1 60.0 100.0

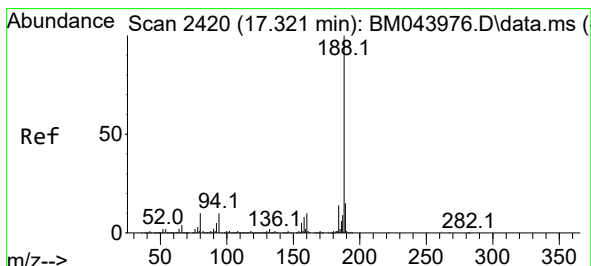
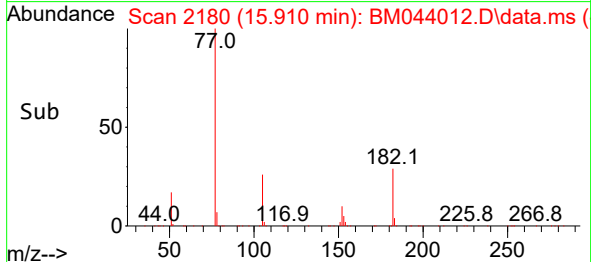
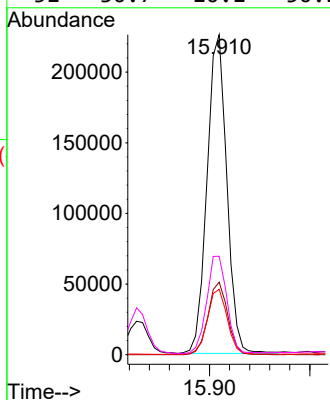
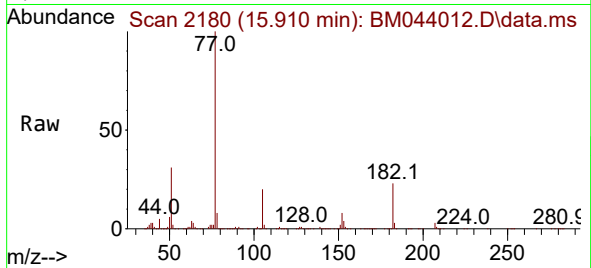




#63
Azobenzene
Concen: 3.554 ng
RT: 15.910 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

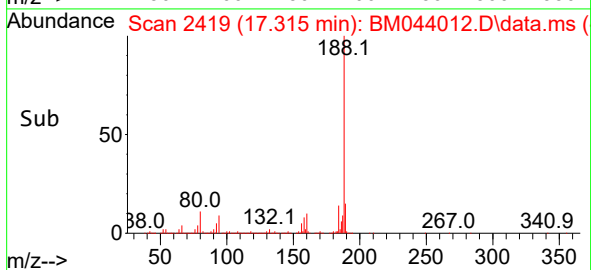
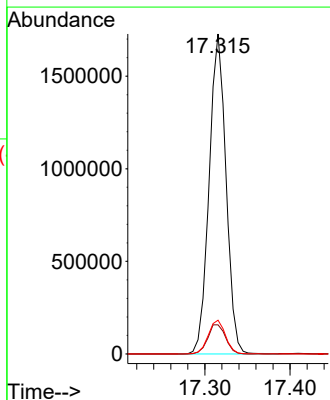
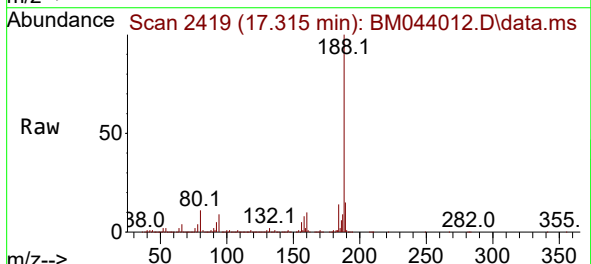
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

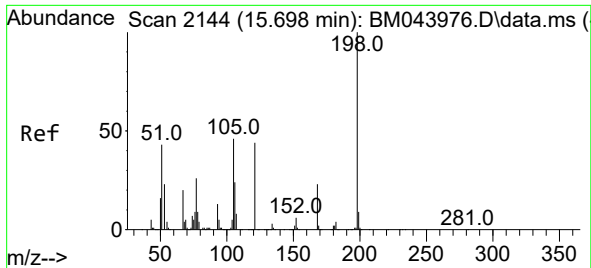
Tgt Ion: 77	Resp: 309563
Ion Ratio	Lower Upper
77 100	
182 22.7	2.0 42.0
105 20.4	0.5 40.5
51 30.7	10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:188	Resp: 2377045		
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.7	11.5
80	10.5	8.2	12.4

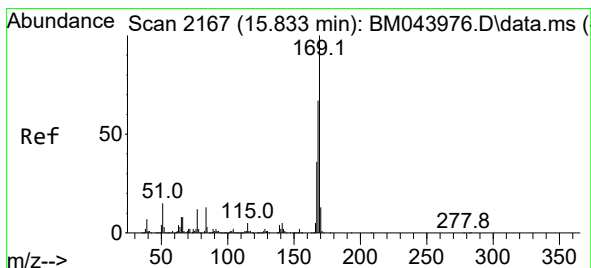
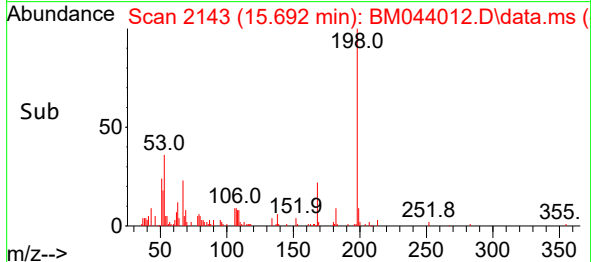
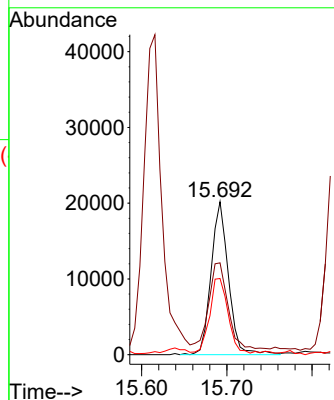
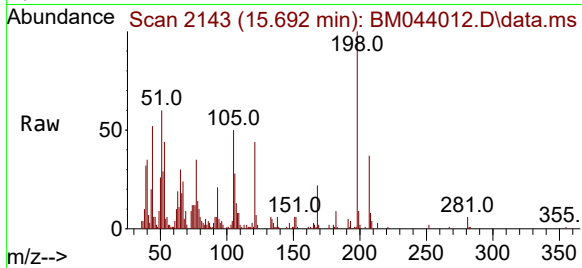




#65
4,6-Dinitro-2-methylphenol
Concen: 7.898 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

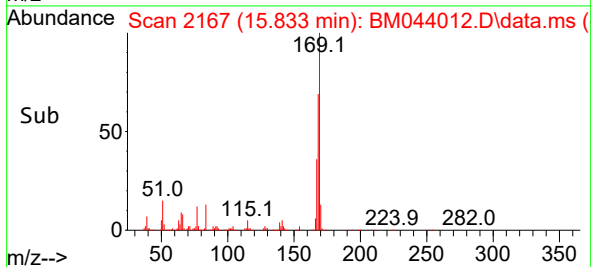
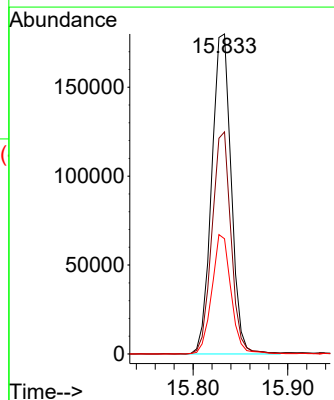
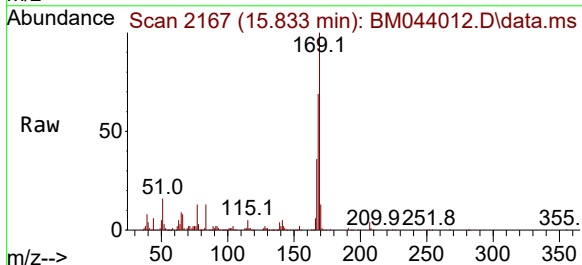
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

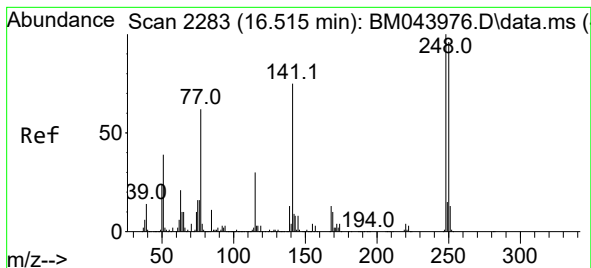
Tgt Ion:198 Resp: 28627
Ion Ratio Lower Upper
198 100
51 60.0 31.9 71.9
105 49.8 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 3.630 ng
RT: 15.833 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:169 Resp: 257015
Ion Ratio Lower Upper
169 100
168 69.4 53.4 80.2
167 36.0 29.0 43.4

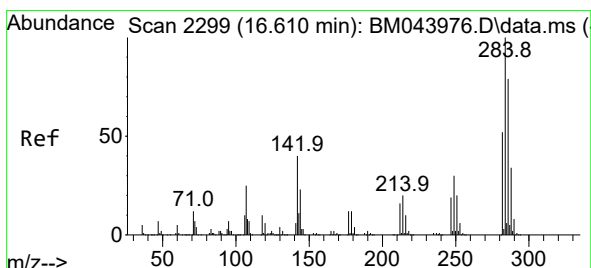
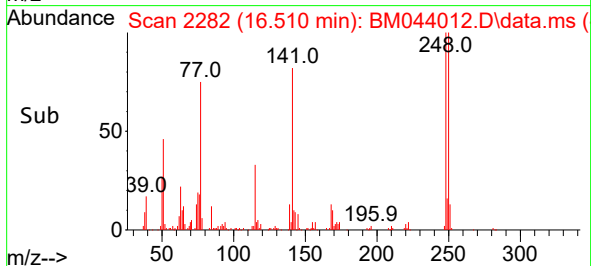
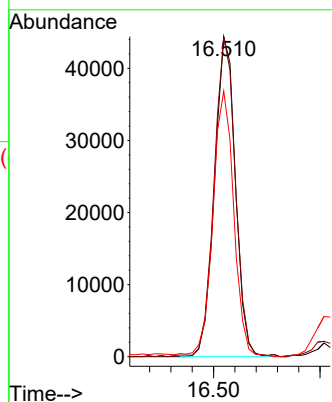
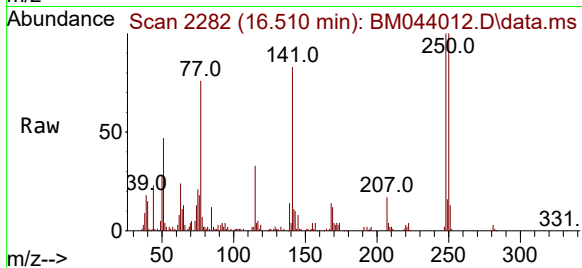




#67
4-Bromophenyl-phenylether
Concen: 2.579 ng
RT: 16.510 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

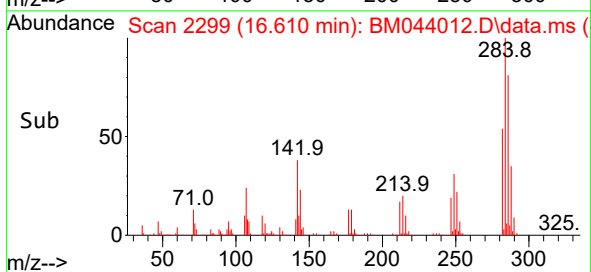
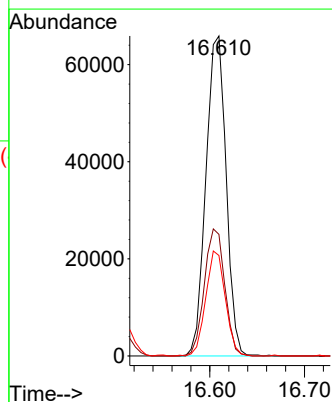
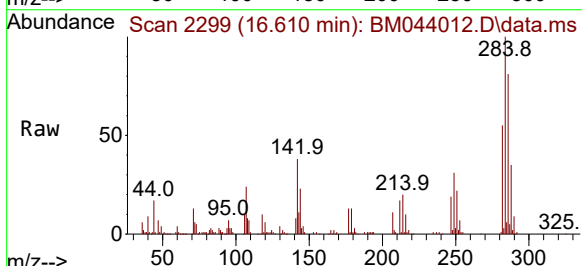
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

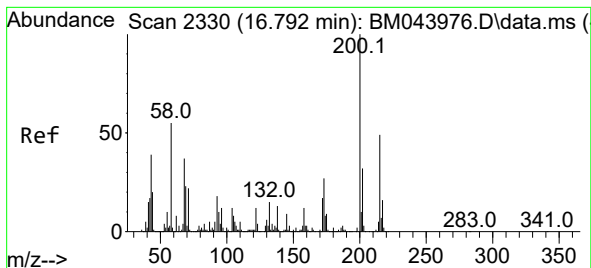
Tgt Ion:248 Resp: 60392
Ion Ratio Lower Upper
248 100
250 99.8 77.0 115.4
141 83.0 59.9 89.9



#68
Hexachlorobenzene
Concen: 3.489 ng
RT: 16.610 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:284 Resp: 97424
Ion Ratio Lower Upper
284 100
142 38.0 32.2 48.4
249 31.4 24.4 36.6





#69

Atrazine

Concen: 4.134 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

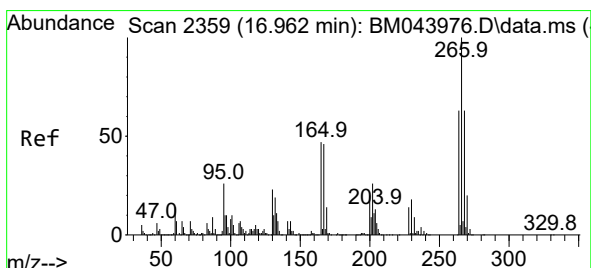
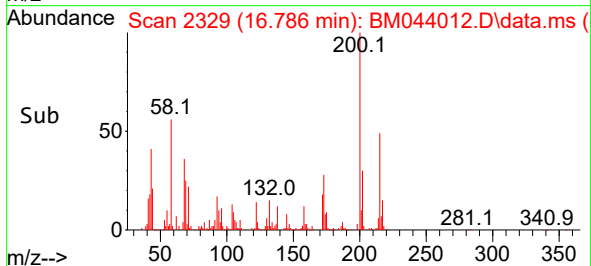
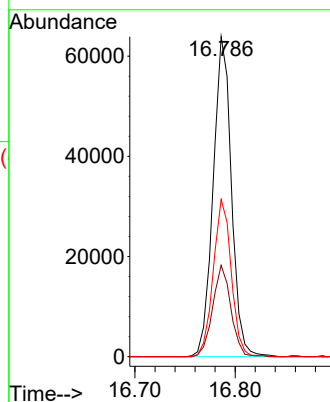
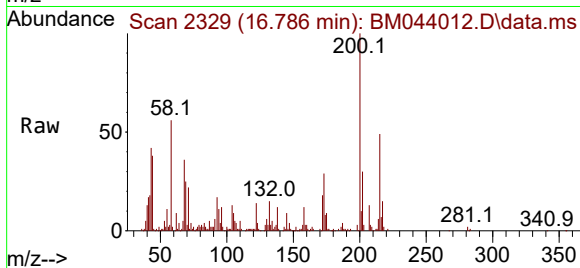
Tgt Ion:200 Resp: 80988

Ion Ratio Lower Upper

200 100

173 28.5 7.3 47.3

215 49.2 28.7 68.7



#70

Pentachlorophenol

Concen: 2.265 ng

RT: 16.957 min Scan# 2358

Delta R.T. -0.005 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

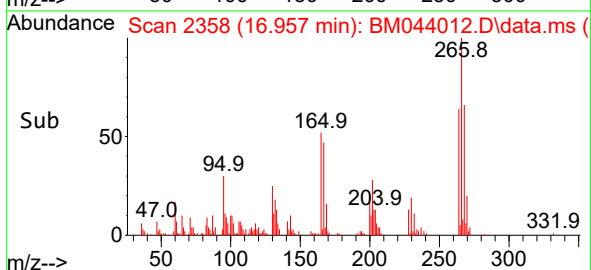
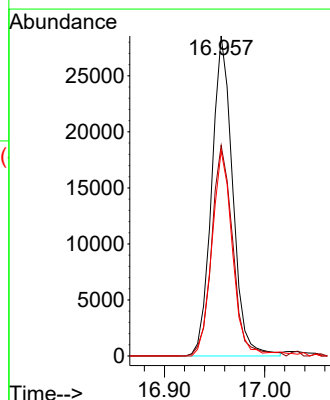
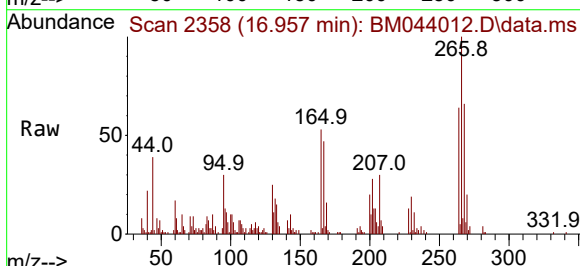
Tgt Ion:266 Resp: 41517

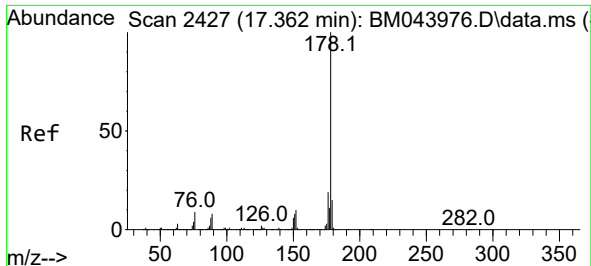
Ion Ratio Lower Upper

266 100

268 65.8 50.6 76.0

264 64.1 50.6 76.0

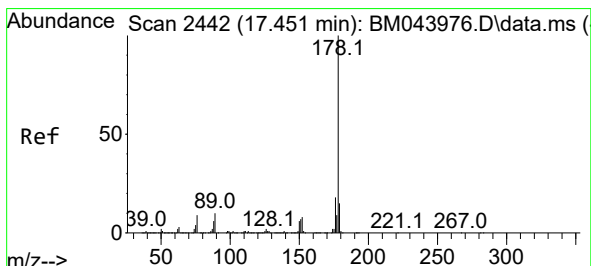
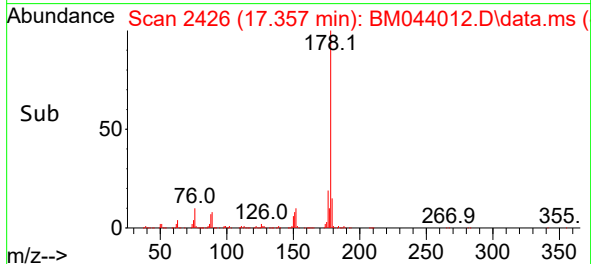
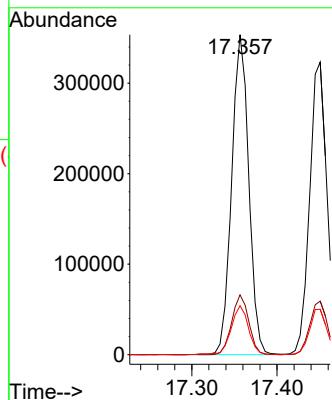
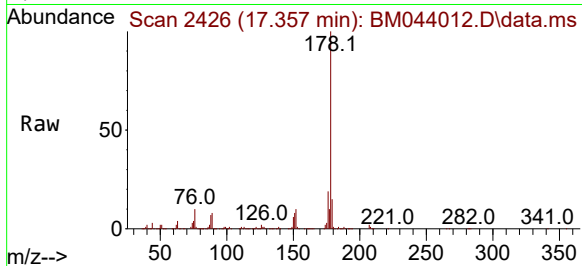




#71
Phenanthrene
Concen: 3.725 ng
RT: 17.357 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

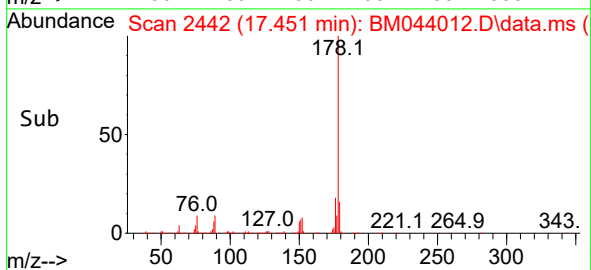
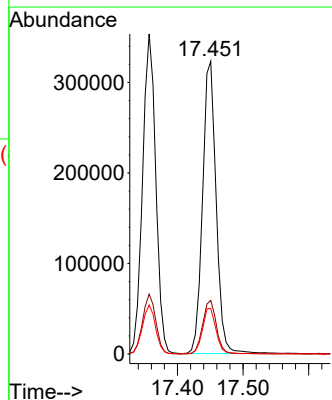
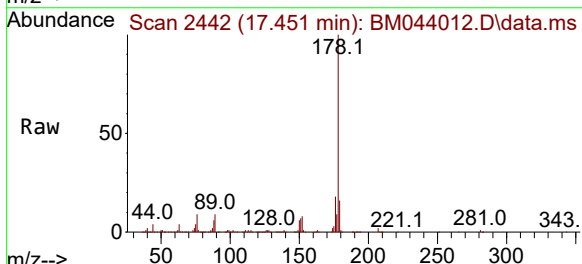
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

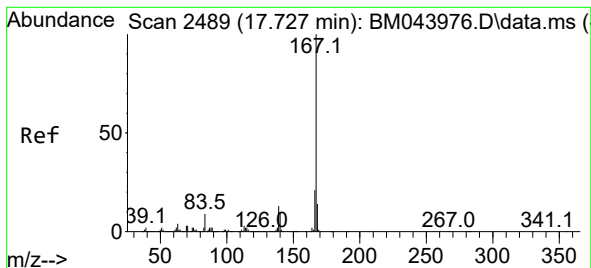
Tgt Ion:178 Resp: 493218
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 12.4 18.6



#72
Anthracene
Concen: 3.593 ng
RT: 17.451 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:178 Resp: 465687
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.5 12.2 18.4





#73

Carbazole

Concen: 3.225 ng

RT: 17.727 min Scan# 2489

Delta R.T. 0.000 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

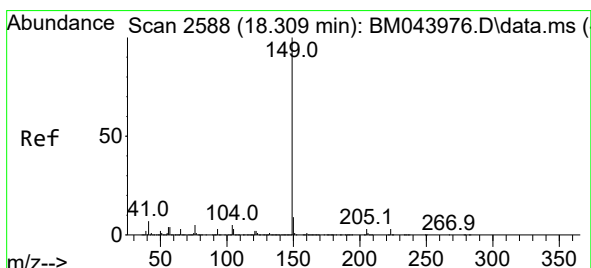
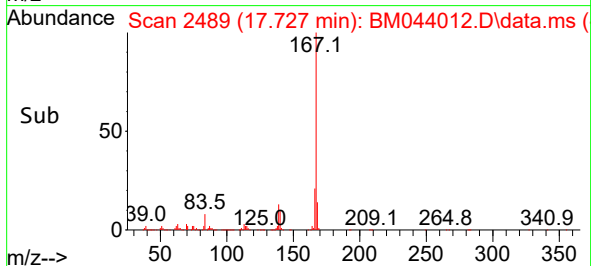
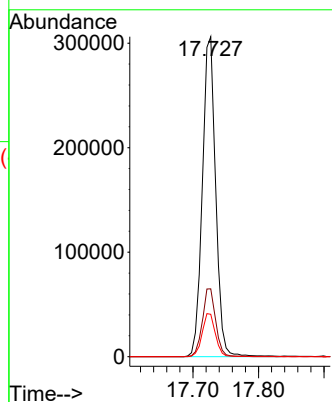
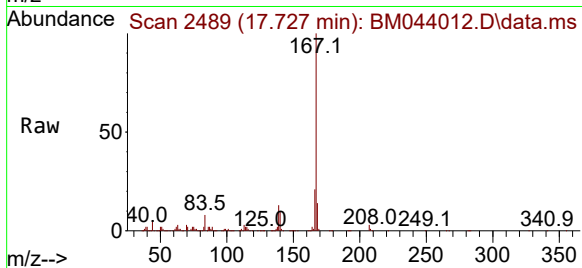
Tgt Ion:167 Resp: 432889

Ion Ratio Lower Upper

167 100

166 21.2 17.1 25.7

139 13.2 10.6 15.8



#74

Di-n-butylphthalate

Concen: 3.285 ng

RT: 18.304 min Scan# 2587

Delta R.T. -0.005 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

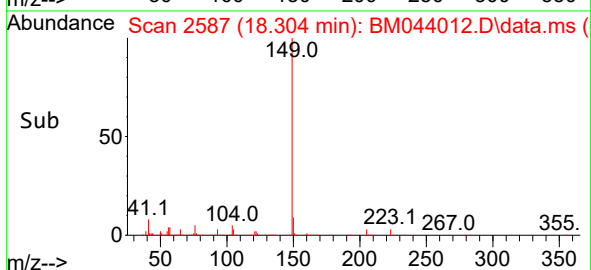
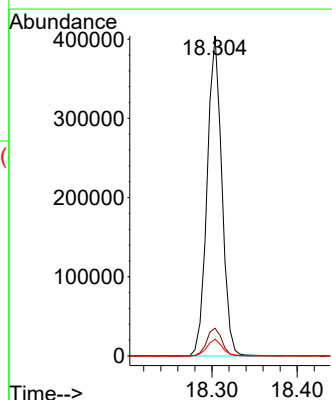
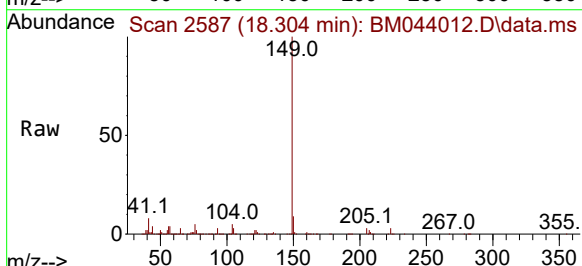
Tgt Ion:149 Resp: 483678

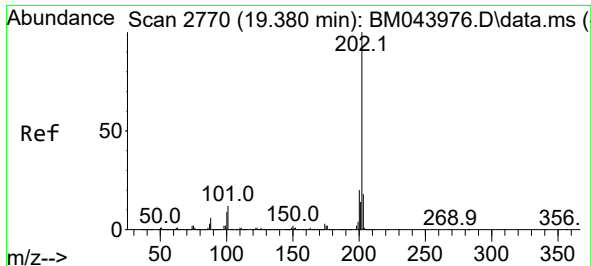
Ion Ratio Lower Upper

149 100

150 8.7 7.4 11.0

104 5.3 4.1 6.1

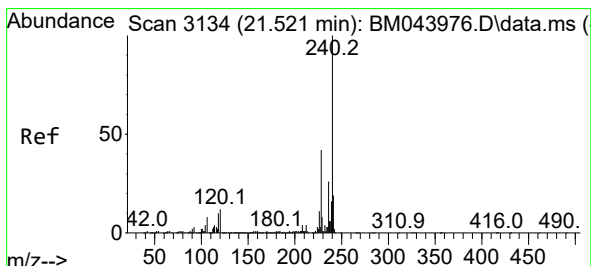
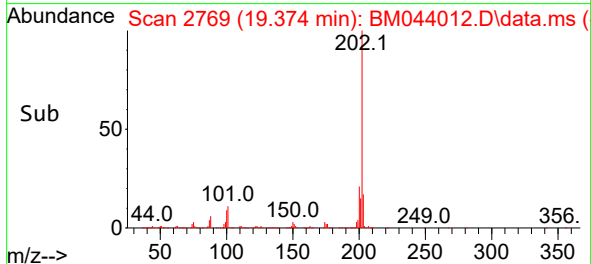
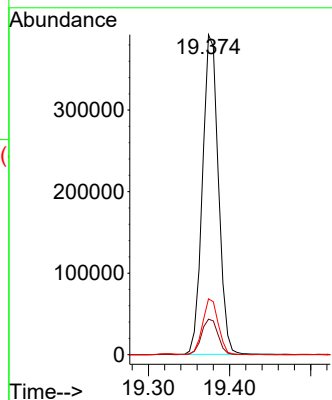
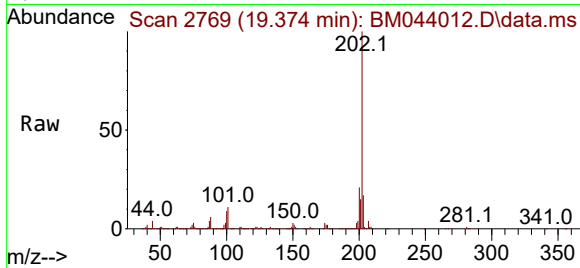




#75
Fluoranthene
Concen: 3.253 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

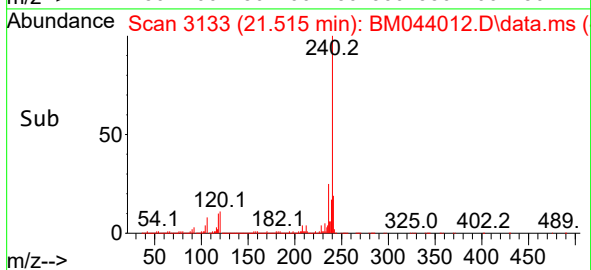
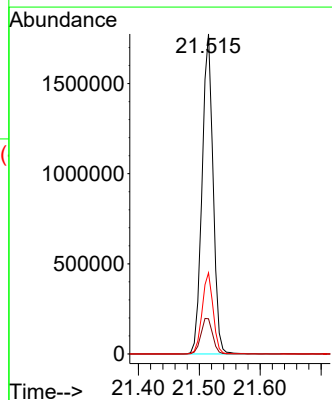
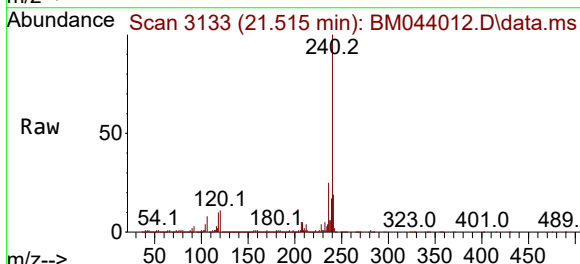
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

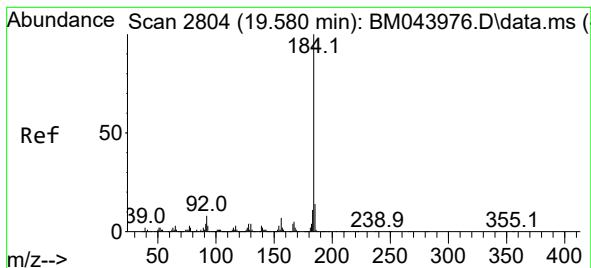
Tgt Ion:202 Resp: 532557
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.9
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:240 Resp: 2226697
Ion Ratio Lower Upper
240 100
120 11.0 9.3 13.9
236 25.4 20.5 30.7





#77

Benzidine

Concen: 5.798 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

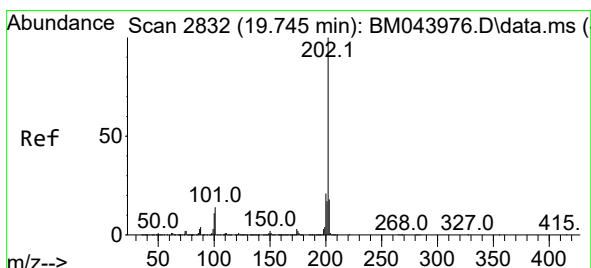
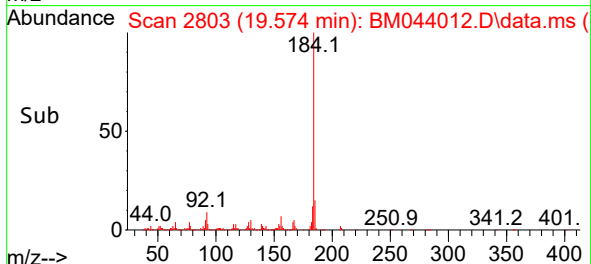
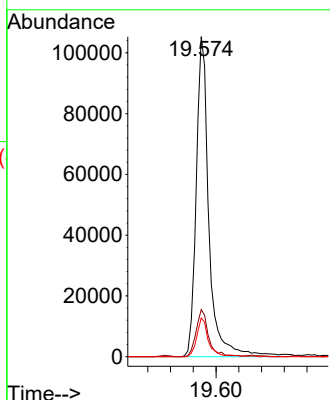
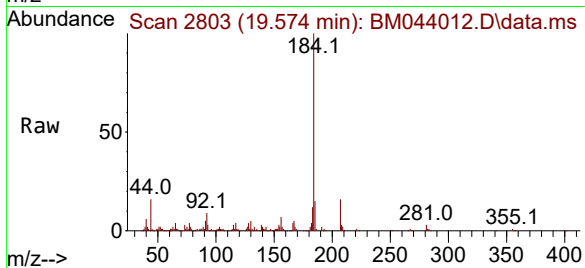
Tgt Ion:184 Resp: 163797

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 12.1 8.9 13.3



#78

Pyrene

Concen: 3.705 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

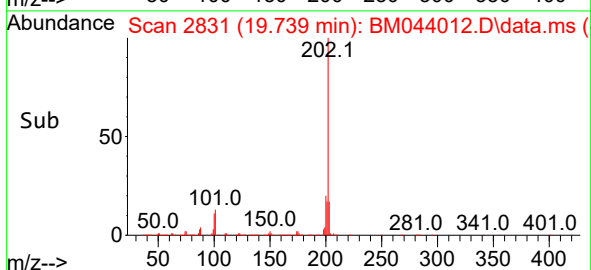
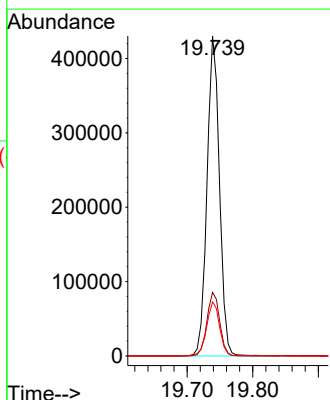
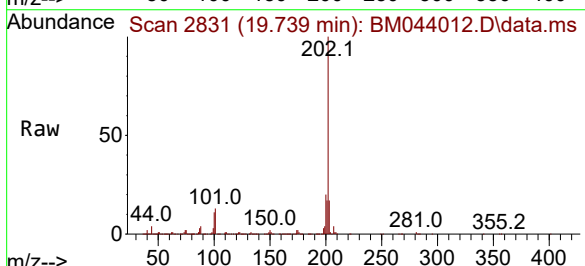
Tgt Ion:202 Resp: 567140

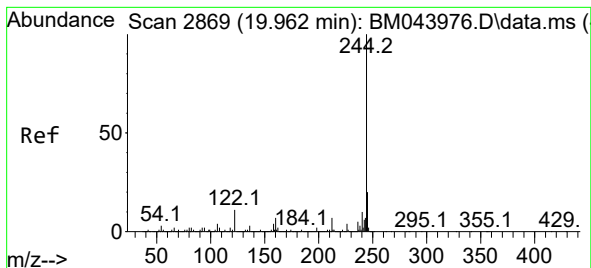
Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

203 16.9 14.2 21.4





#79

Terphenyl-d14

Concen: 92.027 ng

RT: 19.956 min Scan# 2868

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

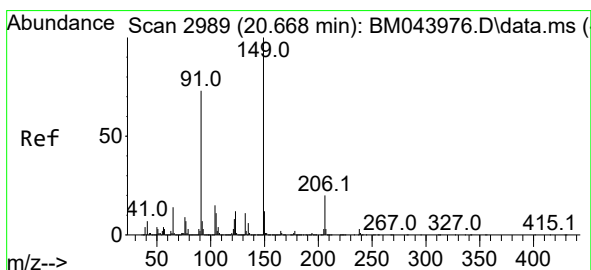
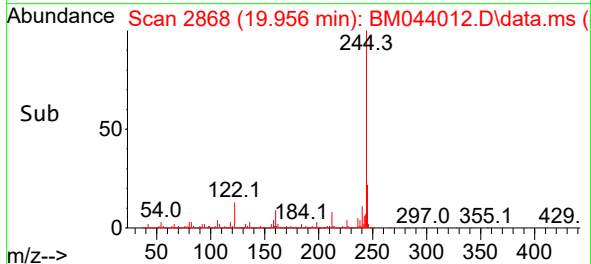
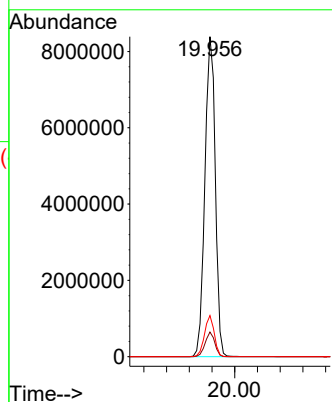
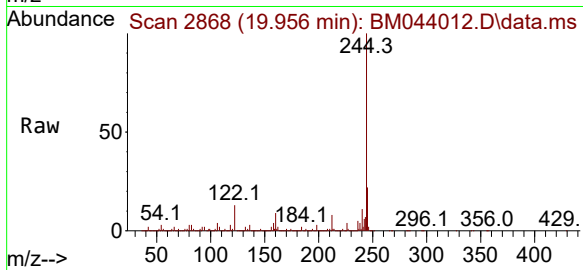
Tgt Ion:244 Resp:10615110

Ion Ratio Lower Upper

244 100

212 7.7 5.5 8.3

122 12.9 8.7 13.1



#80

Butylbenzylphthalate

Concen: 3.128 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

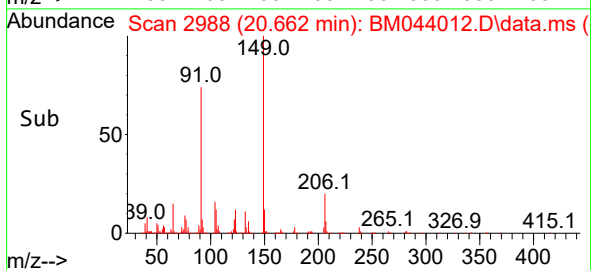
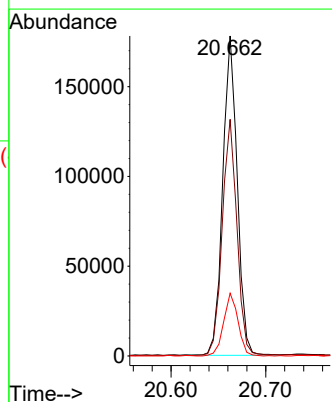
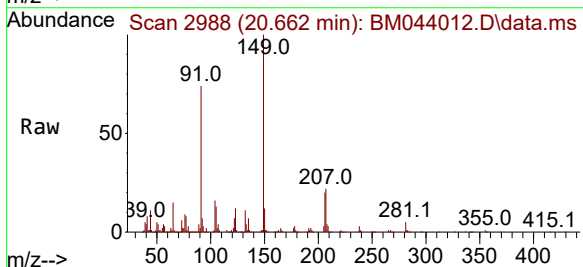
Tgt Ion:149 Resp: 189614

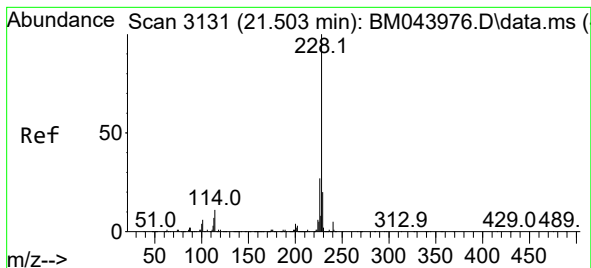
Ion Ratio Lower Upper

149 100

91 74.0 58.4 87.6

206 19.6 15.8 23.6





#81

Benzo(a)anthracene

Concen: 3.715 ng

RT: 21.497 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

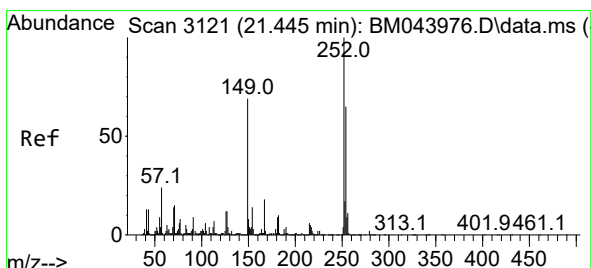
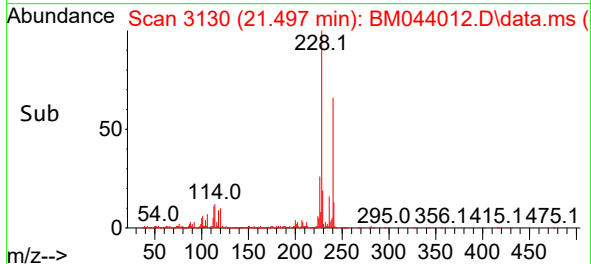
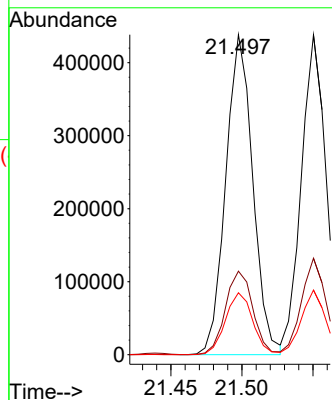
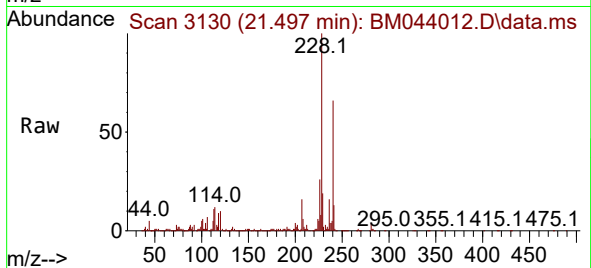
Tgt Ion:228 Resp: 580270

Ion Ratio Lower Upper

228 100

226 26.1 21.8 32.8

229 19.4 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 3.279 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

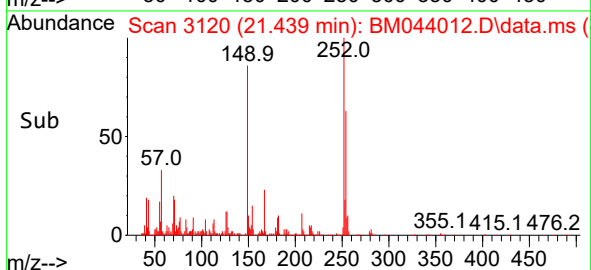
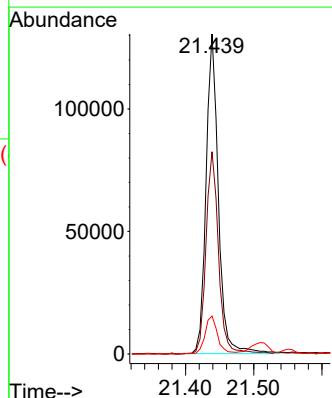
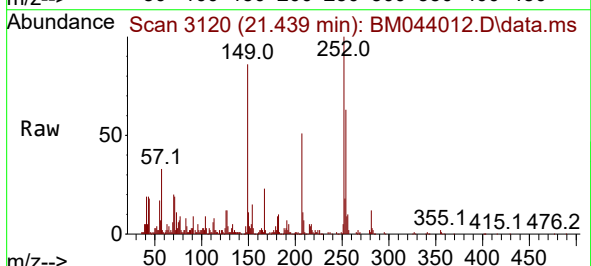
Tgt Ion:252 Resp: 163808

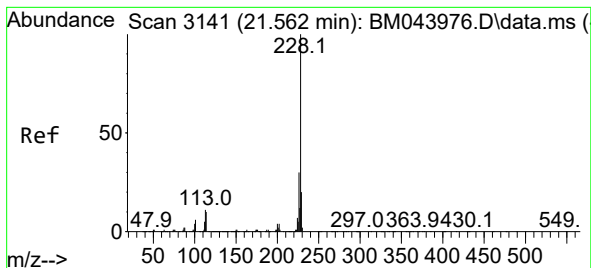
Ion Ratio Lower Upper

252 100

254 63.2 51.6 77.4

126 11.8 9.4 14.2





#83

Chrysene

Concen: 3.576 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

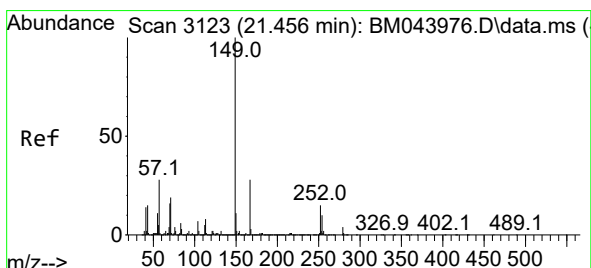
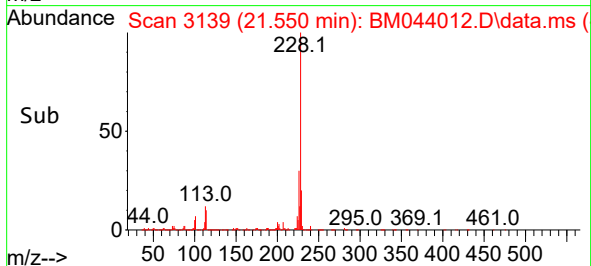
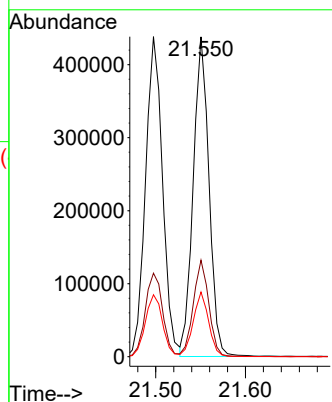
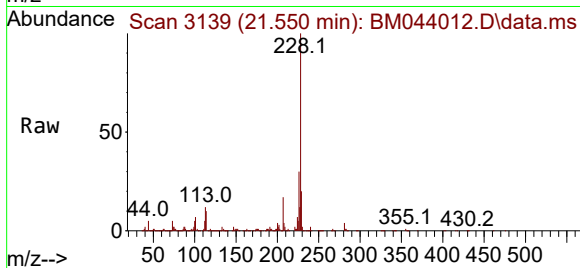
Tgt Ion:228 Resp: 535164

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 20.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.512 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

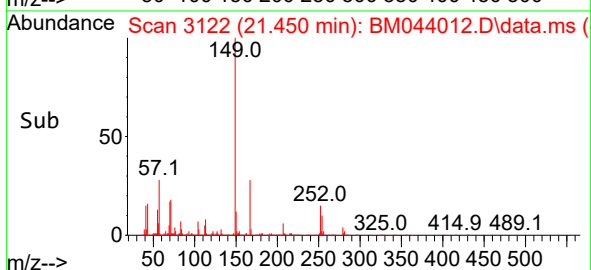
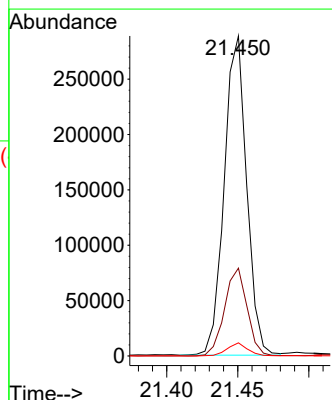
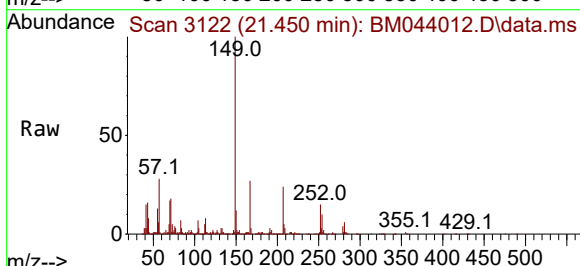
Tgt Ion:149 Resp: 316593

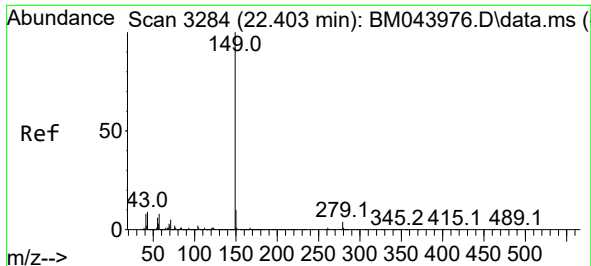
Ion Ratio Lower Upper

149 100

167 27.4 22.0 33.0

279 4.1 3.1 4.7

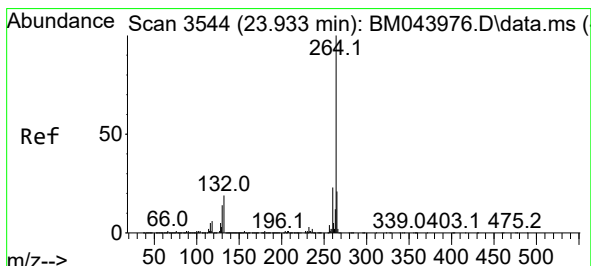
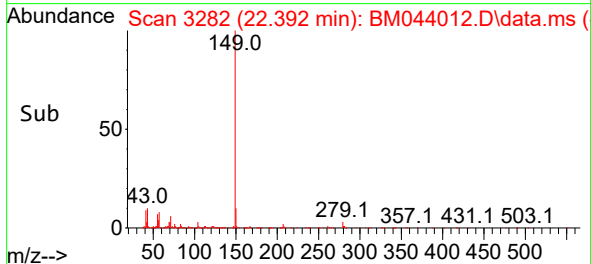
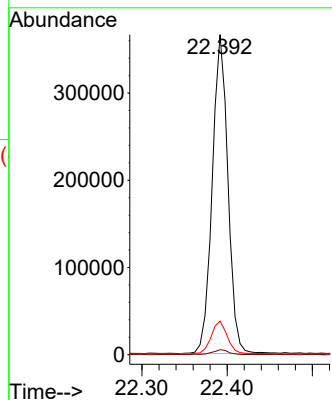
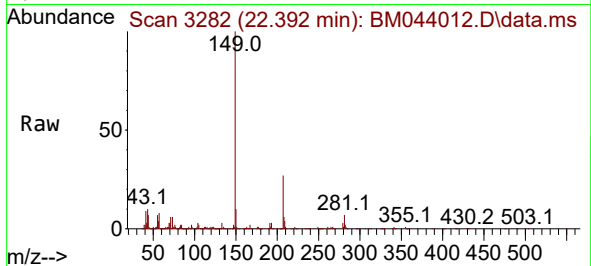




#85
Di-n-octyl phthalate
Concen: 3.011 ng
RT: 22.392 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

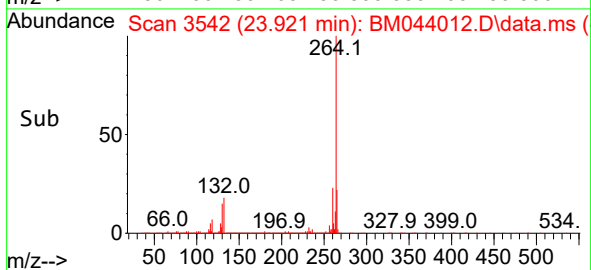
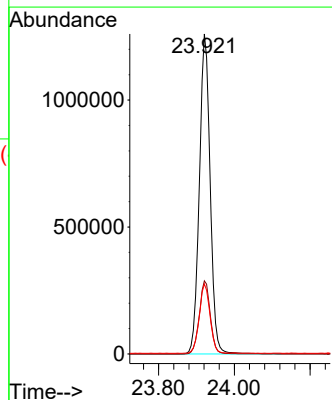
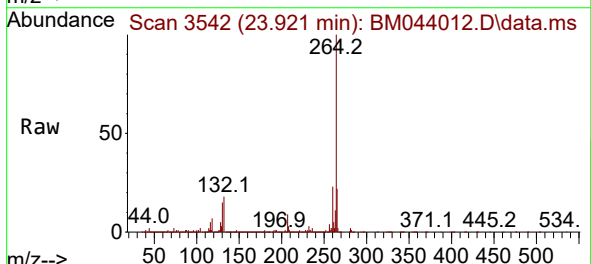
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

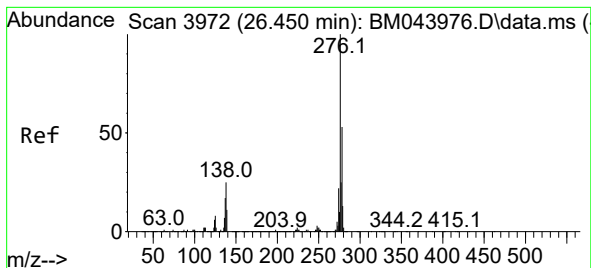
Tgt Ion:149 Resp: 467457
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.7 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.921 min Scan# 3542
Delta R.T. -0.012 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:264 Resp: 2504214
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.257 ng

RT: 26.409 min Scan# 3965

Delta R.T. -0.041 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

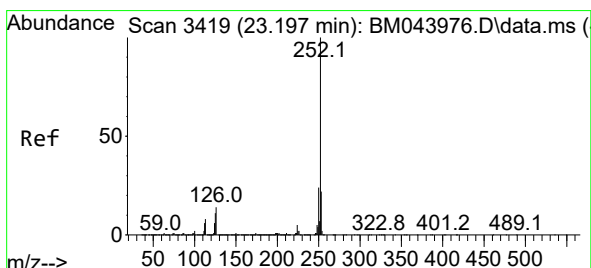
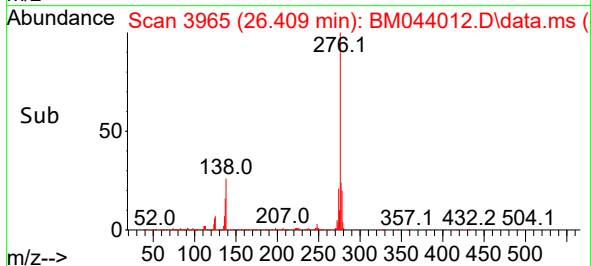
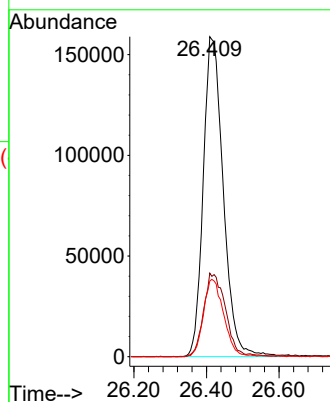
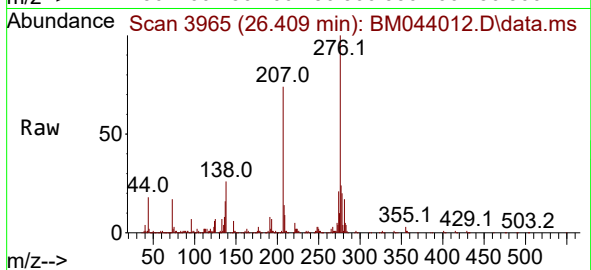
Tgt Ion:276 Resp: 610250

Ion Ratio Lower Upper

276 100

138 28.0 21.8 32.6

277 24.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 3.464 ng

RT: 23.186 min Scan# 3417

Delta R.T. -0.012 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

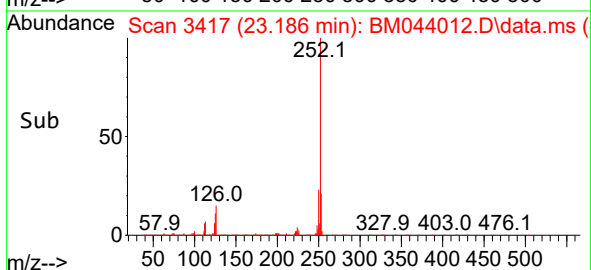
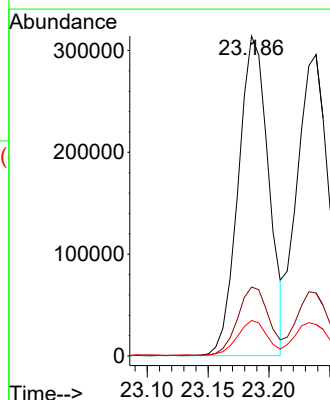
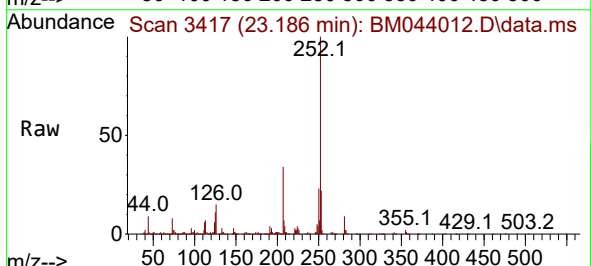
Tgt Ion:252 Resp: 545612

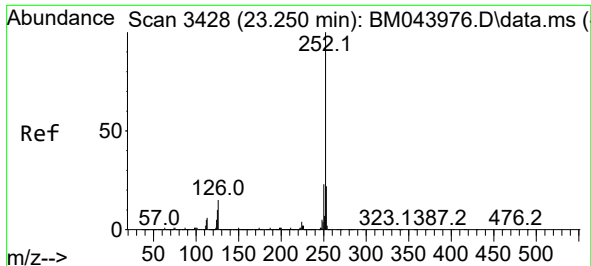
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 11.1 9.0 13.6

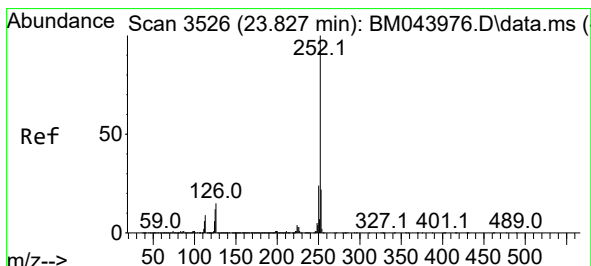
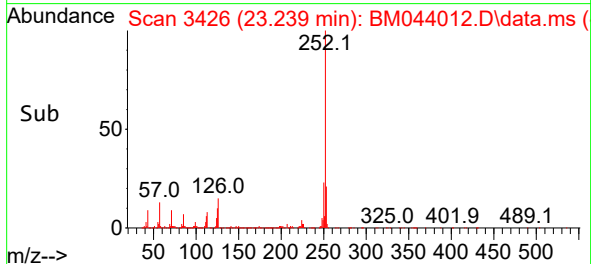
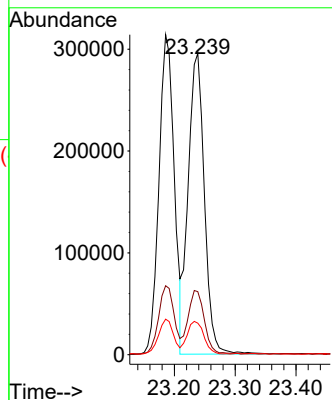
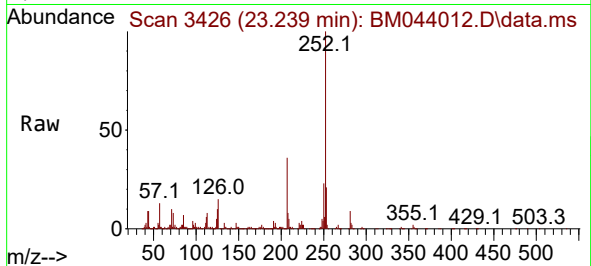




#89
Benzo(k)fluoranthene
Concen: 3.601 ng
RT: 23.239 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

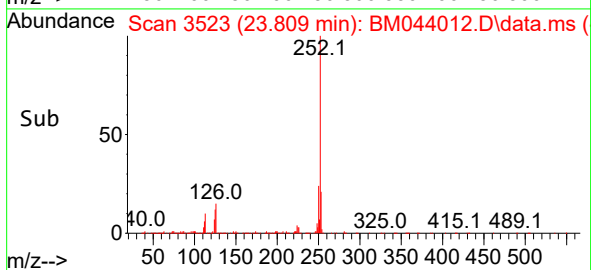
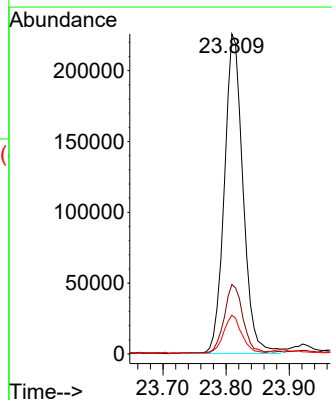
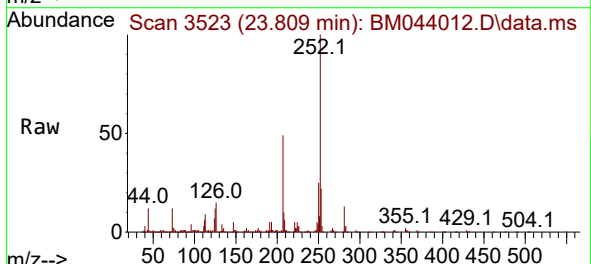
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

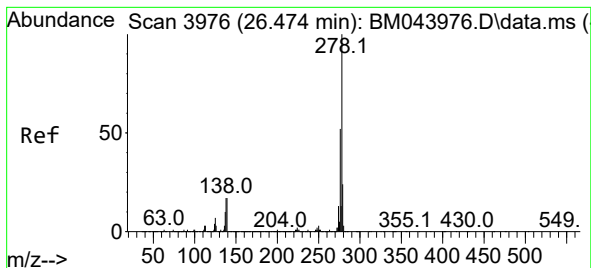
Tgt Ion:252 Resp: 544229
Ion Ratio Lower Upper
252 100
253 20.9 17.4 26.2
125 10.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 3.311 ng
RT: 23.809 min Scan# 3523
Delta R.T. -0.018 min
Lab File: BM044012.D
Acq: 07 Feb 2024 04:33

Tgt Ion:252 Resp: 460973
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 3.317 ng

RT: 26.444 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

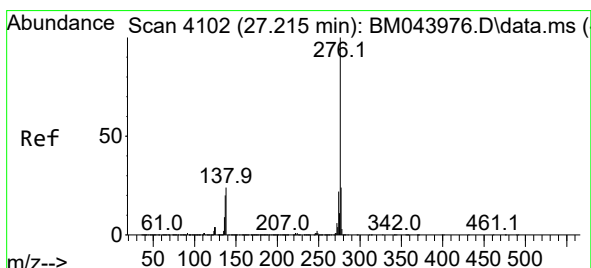
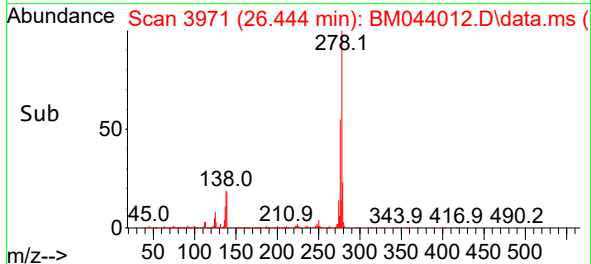
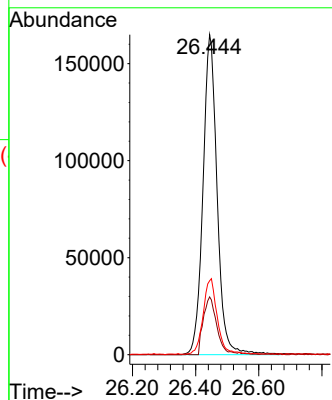
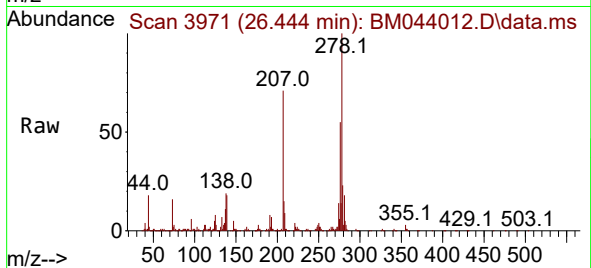
Tgt Ion:278 Resp: 512561

Ion Ratio Lower Upper

278 100

139 18.1 13.7 20.5

279 23.1 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.103 ng

RT: 27.179 min Scan# 4096

Delta R.T. -0.035 min

Lab File: BM044012.D

Acq: 07 Feb 2024 04:33

Tgt Ion:276 Resp: 489170

Ion Ratio Lower Upper

276 100

277 22.8 19.0 28.4

138 24.8 18.8 28.2

