

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044009.D
 Acq On : 07 Feb 2024 02:44
 Operator : MA/JU
 Sample : 04699-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Feb 07 03:46:42 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	561038	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	2573474	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	1643413	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	3557678	20.000	ng	0.00
76) Chrysene-d12	21.515	240	3330273	20.000	ng	0.00
86) Perylene-d12	23.921	264	3574450	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	3767912	99.177	ng	0.00
7) Phenol-d6	7.087	99	5178931	92.261	ng	0.00
23) Nitrobenzene-d5	9.092	82	3640532	68.193	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1803880	90.045	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	8378850	70.056	ng	0.00
79) Terphenyl-d14	19.956	244	12219112	70.829	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	115093	7.839	ng	97
3) Pyridine	3.799	79	267994	5.998	ng	95
4) n-Nitrosodimethylamine	3.722	42	132610	6.904	ng	99
6) Aniline	7.251	93	415841	7.445	ng	99
8) 2-Chlorophenol	7.481	128	290216	6.880	ng	94
9) Benzaldehyde	7.069	77	273375	6.624	ng	98
10) Phenol	7.116	94	368213	6.597	ng	97
11) bis(2-Chloroethyl)ether	7.357	93	303545	6.939	ng	100
12) 1,3-Dichlorobenzene	7.804	146	309432	6.795	ng	98
13) 1,4-Dichlorobenzene	7.957	146	317754	6.899	ng	99
14) 1,2-Dichlorobenzene	8.269	146	303249	6.676	ng	99
15) Benzyl Alcohol	8.169	79	259159	6.736	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.457	45	433333	7.387	ng	99
17) 2-Methylphenol	8.363	107	231791	6.497	ng	98
18) Hexachloroethane	8.992	117	118277	6.843	ng	99
19) n-Nitroso-di-n-propyla...	8.734	70	258316	6.994	ng	99
20) 3+4-Methylphenols	8.692	107	316910	6.293	ng	98
22) Acetophenone	8.751	105	482118	6.914	ng	# 97
24) Nitrobenzene	9.134	77	361955	6.758	ng	99
25) Isophorone	9.657	82	670872	6.751	ng	98
26) 2-Nitrophenol	9.839	139	133855	6.183	ng	97
27) 2,4-Dimethylphenol	9.898	122	232408	7.819	ng	99
28) bis(2-Chloroethoxy)met...	10.151	93	434359	7.157	ng	100
29) 2,4-Dichlorophenol	10.369	162	247524	6.529	ng	98
30) 1,2,4-Trichlorobenzene	10.586	180	288533	6.738	ng	100
31) Naphthalene	10.775	128	951117	6.631	ng	99
32) Benzoic acid	9.981	122	119998	9.840	ng	98
33) 4-Chloroaniline	10.892	127	405871	6.884	ng	98
34) Hexachlorobutadiene	11.051	225	158752	6.797	ng	99
35) Caprolactam	11.669	113	89742	5.772	ng	98
36) 4-Chloro-3-methylphenol	12.010	107	298179	6.422	ng	98
37) 2-Methylnaphthalene	12.386	142	658367	6.582	ng	99
38) 1-Methylnaphthalene	12.604	142	645373	6.463	ng	100
40) 1,2,4,5-Tetrachloroben...	12.751	216	326521	7.005	ng	99
41) Hexachlorocyclopentadiene	12.722	237	137029	8.939	ng	99
43) 2,4,6-Trichlorophenol	12.992	196	201374	6.393	ng	99

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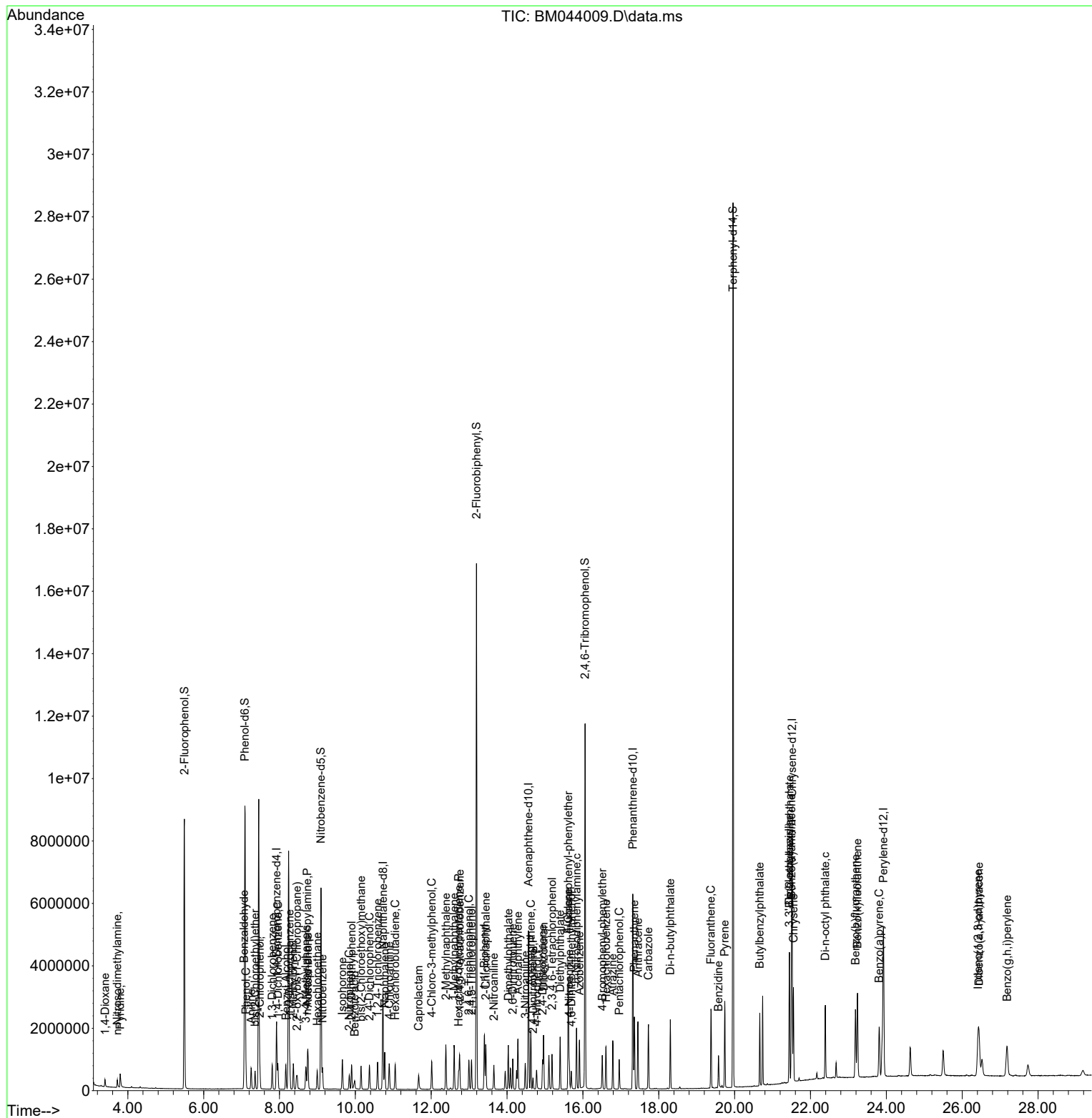
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	228676	6.363	ng	98
46) 1,1'-Biphenyl	13.404	154	909676	7.039	ng	99
47) 2-Chloronaphthalene	13.439	162	679725	6.595	ng	99
48) 2-Nitroaniline	13.651	65	204864	6.112	ng	96
49) Acenaphthylene	14.286	152	1122315	7.124	ng	100
50) Dimethylphthalate	14.033	163	864119	6.769	ng	100
51) 2,6-Dinitrotoluene	14.151	165	173787	6.193	ng	95
52) Acenaphthene	14.627	154	654438	6.553	ng	99
53) 3-Nitroaniline	14.480	138	191466	5.878	ng	94
54) 2,4-Dinitrophenol	14.686	184	64887	10.804	ng	98
55) Dibenzofuran	14.963	168	1061195	6.828	ng	100
56) 4-Nitrophenol	14.780	139	156647	5.503	ng	98
57) 2,4-Dinitrotoluene	14.933	165	223648	5.726	ng	95
58) Fluorene	15.616	166	854669	6.511	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	202222	6.527	ng	99
60) Diethylphthalate	15.398	149	882533	6.678	ng	99
61) 4-Chlorophenyl-phenyle...	15.616	204	411575	6.721	ng	98
62) 4-Nitroaniline	15.639	138	196533	5.518	ng	98
63) Azobenzene	15.910	77	892282	6.760	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	99104	10.125	ng	89
66) n-Nitrosodiphenylamine	15.833	169	731595	6.903	ng	100
67) 4-Bromophenyl-phenylether	16.510	248	175464	5.006	ng	97
68) Hexachlorobenzene	16.610	284	269344	6.446	ng	98
69) Atrazine	16.786	200	242782	8.281	ng	98
70) Pentachlorophenol	16.957	266	139880	5.098	ng	98
71) Phenanthrene	17.357	178	1338729	6.756	ng	100
72) Anthracene	17.451	178	1311199	6.759	ng	99
73) Carbazole	17.727	167	1245383	6.198	ng	100
74) Di-n-butylphthalate	18.304	149	1474834	6.693	ng	99
75) Fluoranthene	19.374	202	1493886	6.096	ng	99
77) Benzidine	19.574	184	587673	13.908	ng	100
78) Pyrene	19.739	202	1574919	6.880	ng	99
80) Butylbenzylphthalate	20.662	149	616000	6.796	ng	99
81) Benzo(a)anthracene	21.498	228	1610102	6.891	ng	100
82) 3,3'-Dichlorobenzidine	21.439	252	503124	6.735	ng	98
83) Chrysene	21.550	228	1446027	6.460	ng	100
84) Bis(2-ethylhexyl)phtha...	21.445	149	985249	7.309	ng	98
85) Di-n-octyl phthalate	22.392	149	1555335	6.698	ng	99
87) Indeno(1,2,3-cd)pyrene	26.415	276	1559641	5.831	ng	99
88) Benzo(b)fluoranthene	23.186	252	1472066	6.547	ng	99
89) Benzo(k)fluoranthene	23.239	252	1464610	6.790	ng	99
90) Benzo(a)pyrene	23.809	252	1243463	6.257	ng	99
91) Dibenzo(a,h)anthracene	26.444	278	1295825	5.875	ng	99
92) Benzo(g,h,i)perylene	27.180	276	1234080	5.485	ng	99

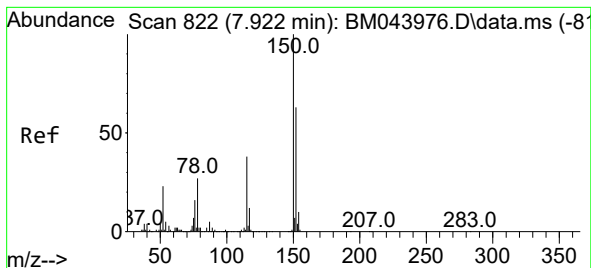
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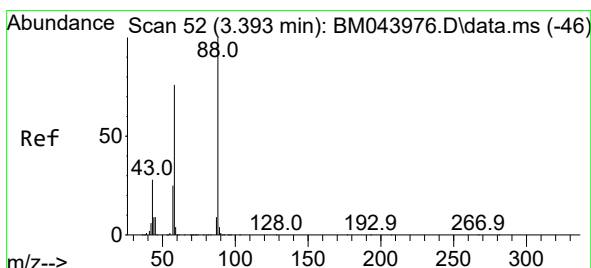
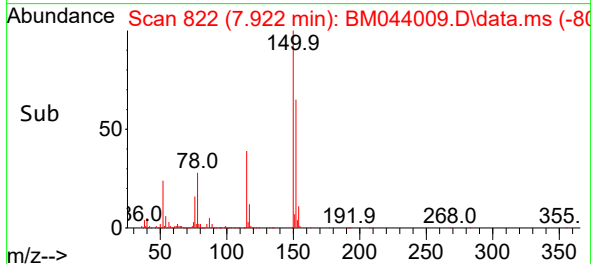
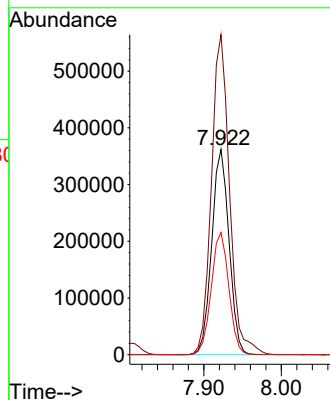
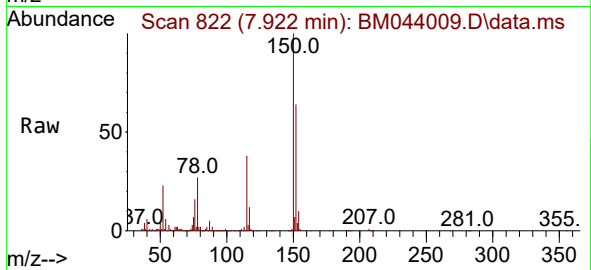




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044009.D
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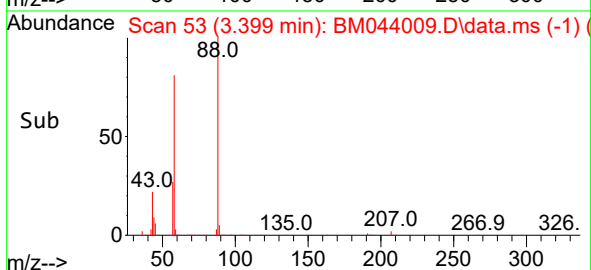
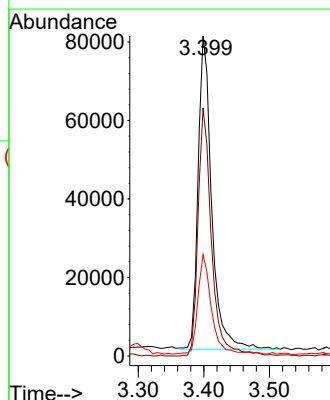
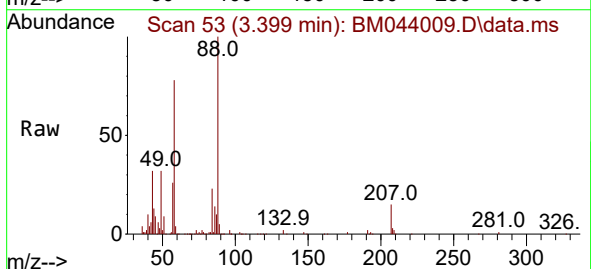
Instrument :
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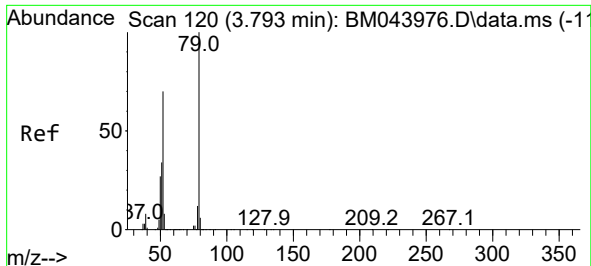
Tgt Ion:152 Resp: 561038
Ion Ratio Lower Upper
152 100
150 155.9 126.1 189.1
115 59.6 48.2 72.2



#2
1,4-Dioxane
Concen: 7.839 ng
RT: 3.399 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 88 Resp: 115093
Ion Ratio Lower Upper
88 100
58 78.7 61.0 91.6
43 31.4 23.0 34.6

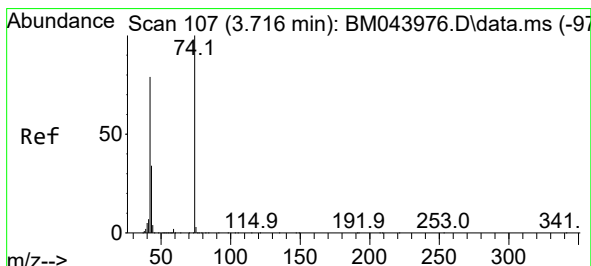
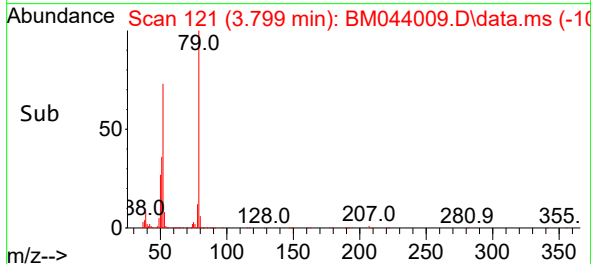
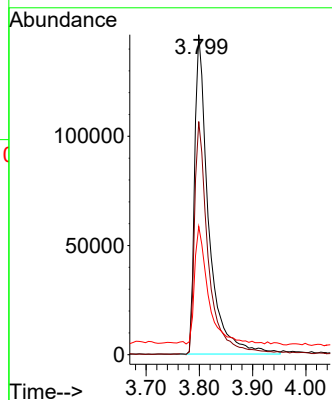
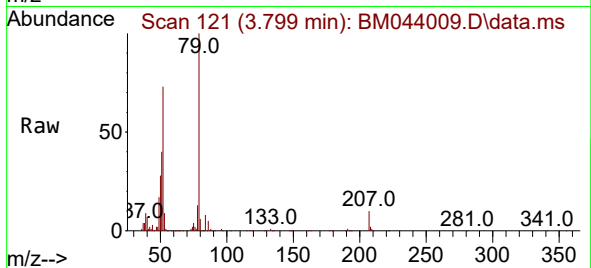




#3
 Pyridine
 Concen: 5.998 ng
 RT: 3.799 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

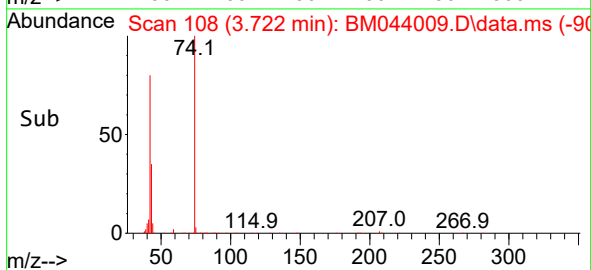
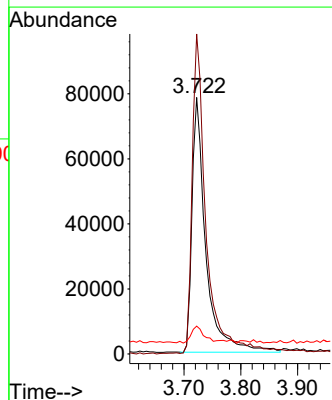
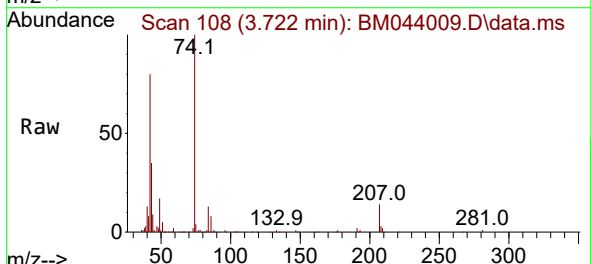
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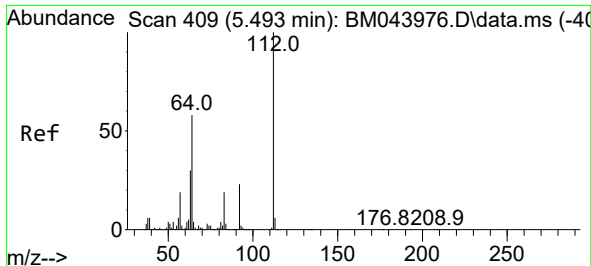
Tgt Ion: 79 Resp: 267994
 Ion Ratio Lower Upper
 79 100
 52 72.9 55.9 83.9
 51 40.1 28.2 42.2



#4
 n-Nitrosodimethylamine
 Concen: 6.904 ng
 RT: 3.722 min Scan# 108
 Delta R.T. 0.006 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

Tgt Ion: 42 Resp: 132610
 Ion Ratio Lower Upper
 42 100
 74 124.7 100.7 151.1
 44 10.8 7.3 10.9

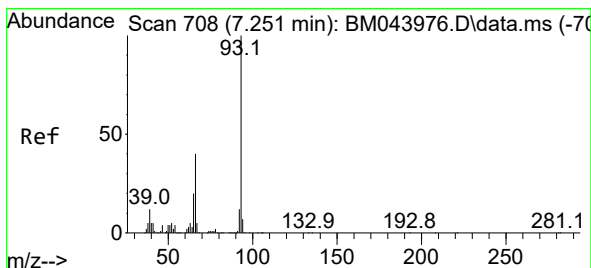
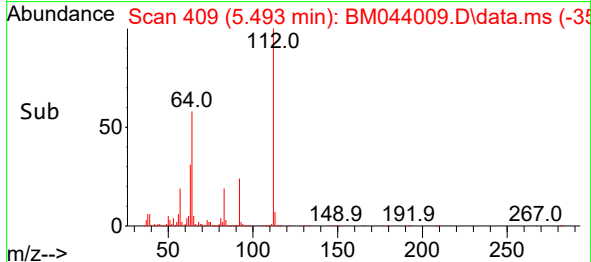
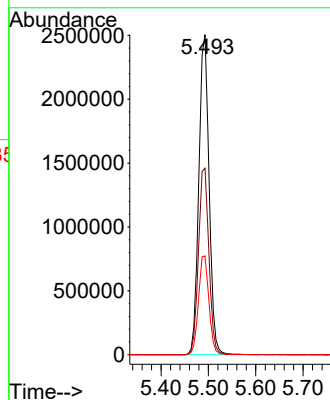
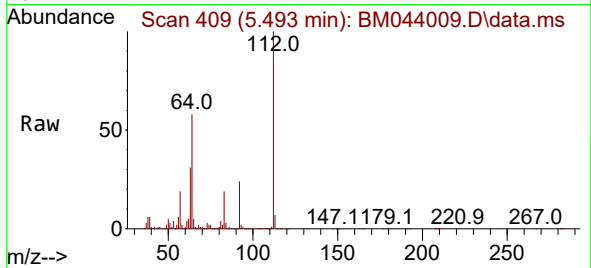




#5
2-Fluorophenol
Concen: 99.177 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

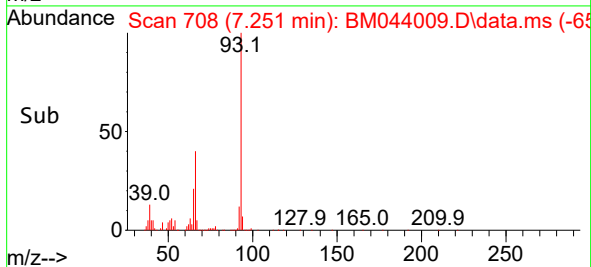
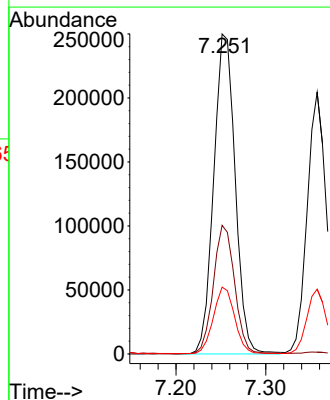
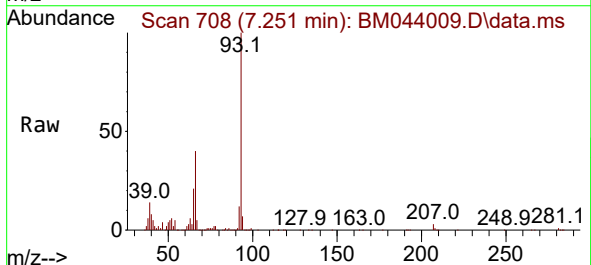
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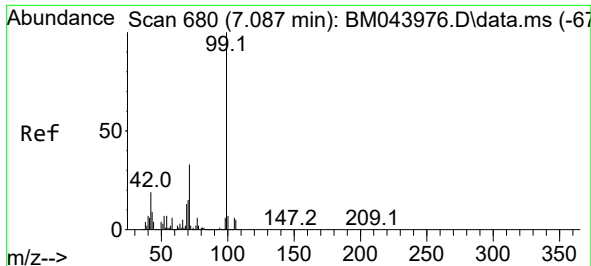
Tgt Ion:112 Resp: 3767912
Ion Ratio Lower Upper
112 100
64 58.3 46.6 70.0
63 30.8 24.2 36.4



#6
Aniline
Concen: 7.445 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 93 Resp: 415841
Ion Ratio Lower Upper
93 100
66 40.2 32.2 48.2
65 20.9 15.8 23.8

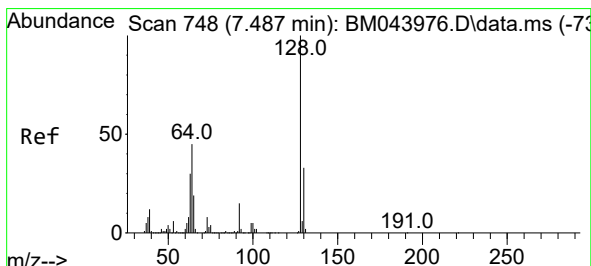
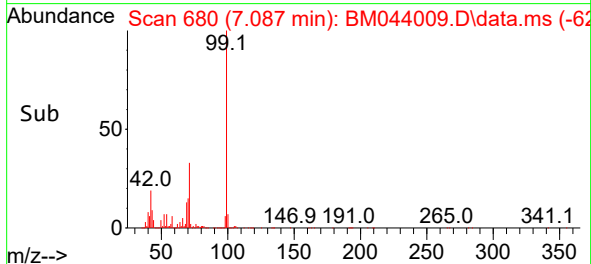
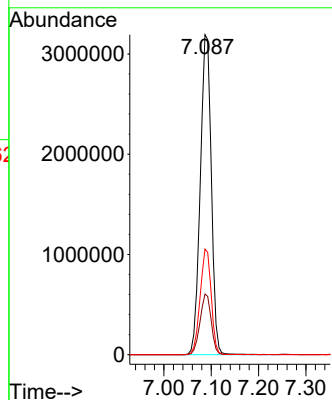
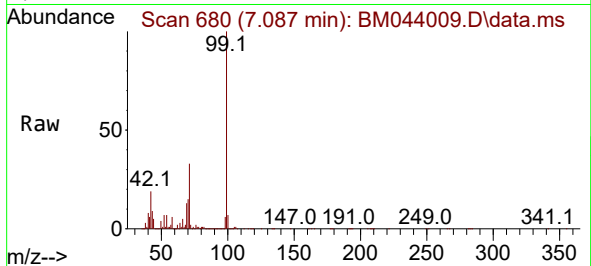




#7
Phenol-d6
Concen: 92.261 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.000 min
Lab File: BM044009.D
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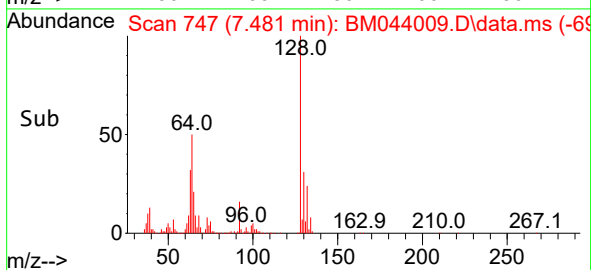
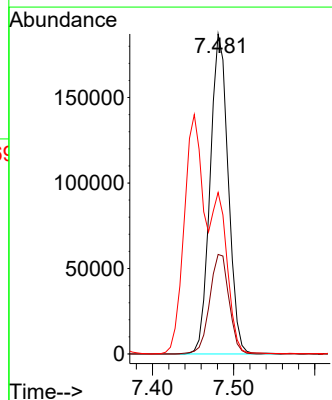
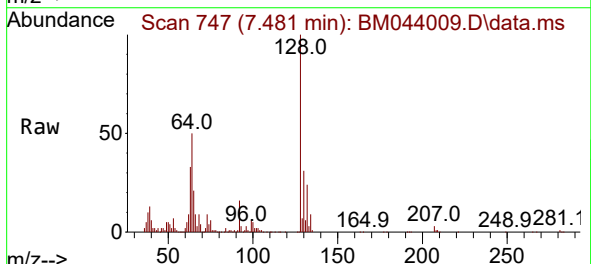
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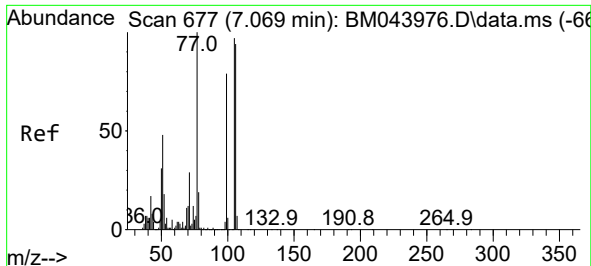
Tgt Ion: 99 Resp: 5178931
Ion Ratio Lower Upper
99 100
42 19.0 14.9 22.3
71 33.0 26.3 39.5



#8
2-Chlorophenol
Concen: 6.880 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:128 Resp: 290216
Ion Ratio Lower Upper
128 100
130 31.1 12.9 52.9
64 50.4 25.6 65.6

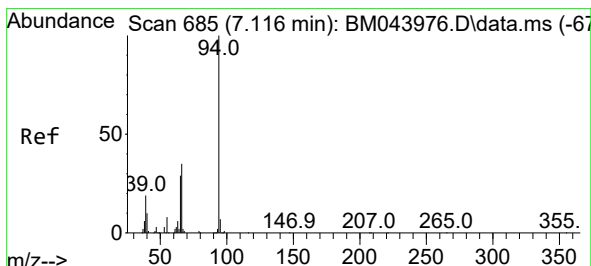
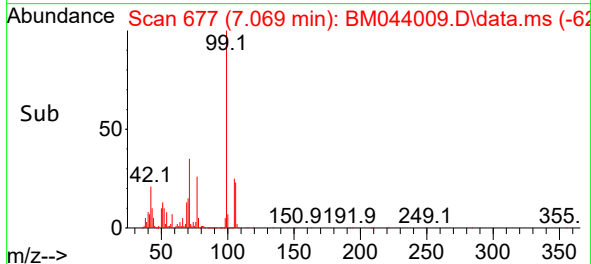
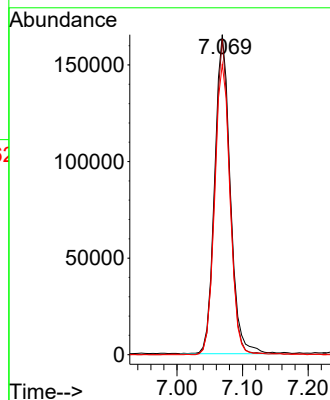
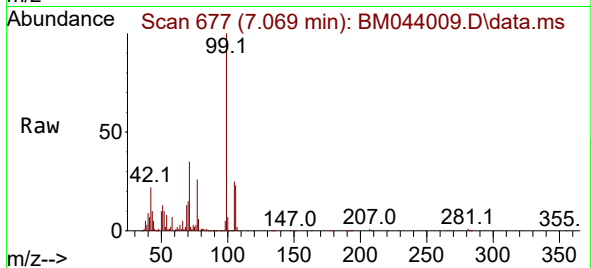




#9
Benzaldehyde
Concen: 6.624 ng
RT: 7.069 min Scan# 611
Delta R.T. 0.000 min
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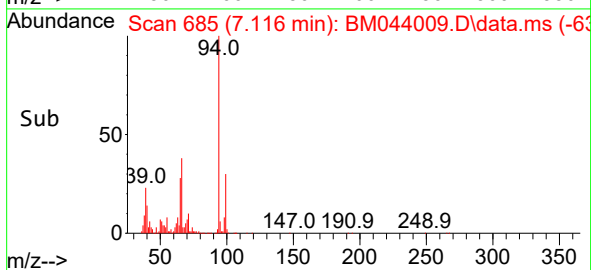
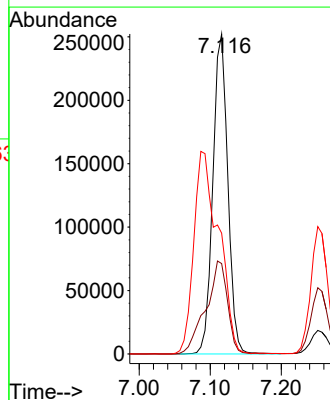
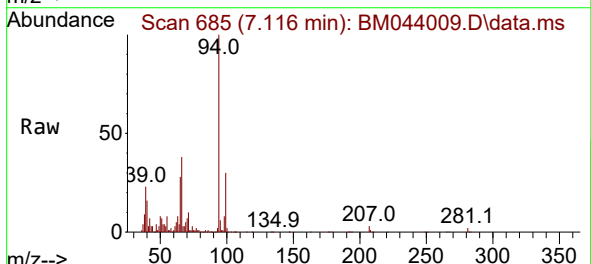
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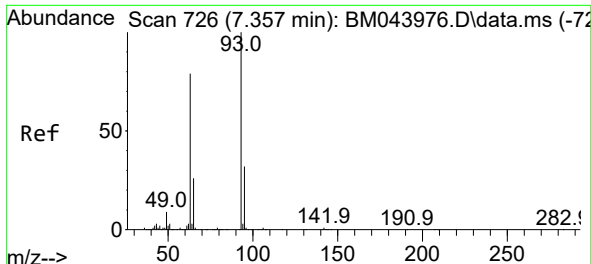
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Ion Ratio Lower Upper
77 100
105 98.6 77.4 117.4
106 90.7 73.5 113.5



#10
Phenol
Concen: 6.597 ng
RT: 7.116 min Scan# 685
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 94 Resp: 368213
Ion Ratio Lower Upper
94 100
65 28.2 9.3 49.3
66 37.8 15.7 55.7

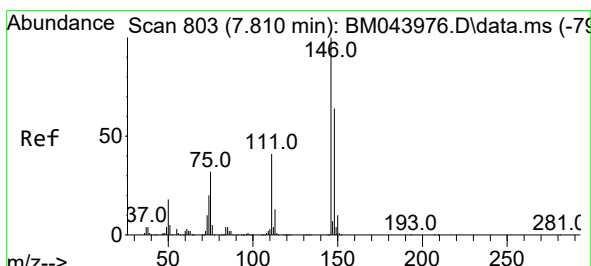
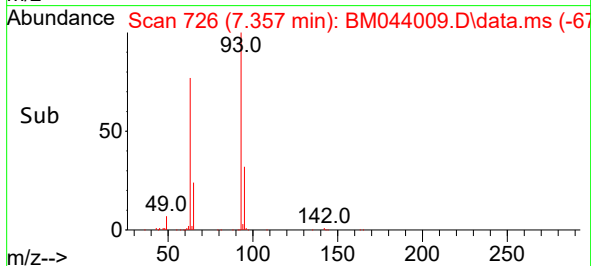
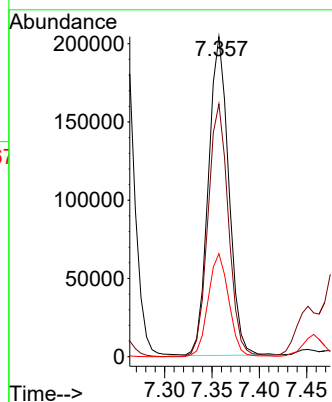
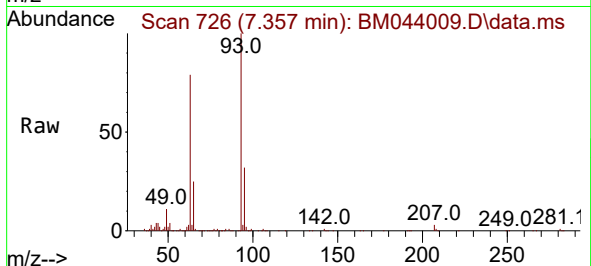




#11
bis(2-Chloroethyl)ether
Concen: 6.939 ng
RT: 7.357 min Scan# 726
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

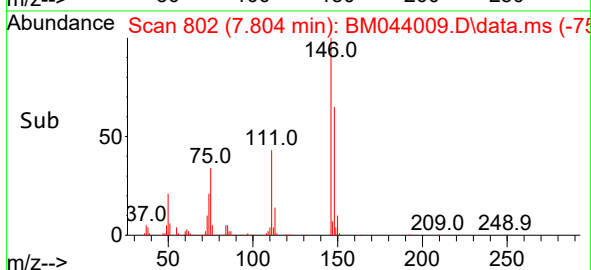
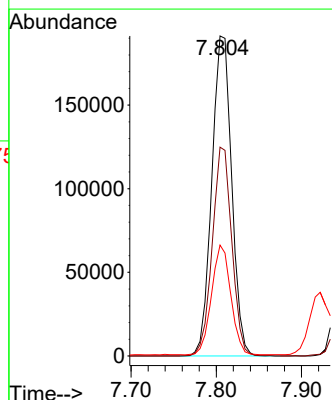
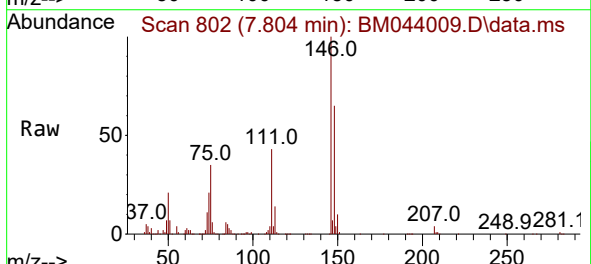
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

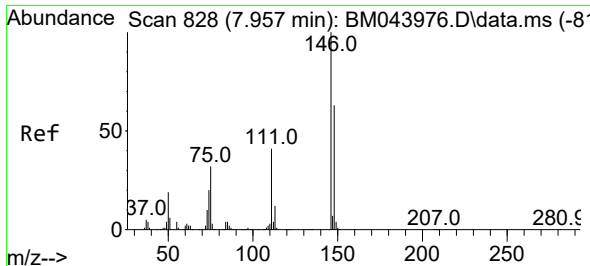
Tgt Ion: 93 Resp: 303545
Ion Ratio Lower Upper
93 100
63 79.0 59.0 99.0
95 32.2 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 6.795 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 146 Resp: 309432
Ion Ratio Lower Upper
146 100
148 65.3 51.0 76.6
75 34.7 26.1 39.1

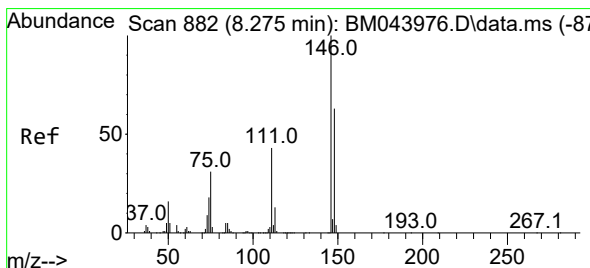
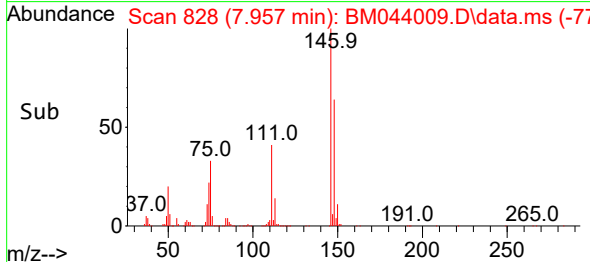
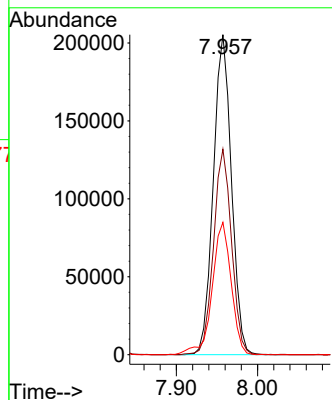
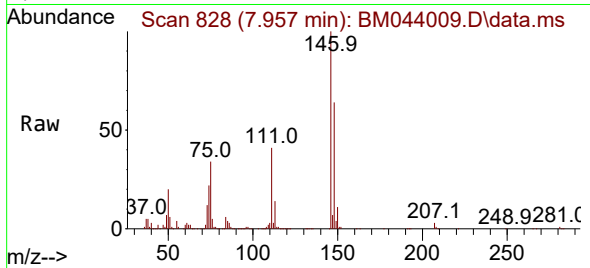




#13
1,4-Dichlorobenzene
Concen: 6.899 ng
RT: 7.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

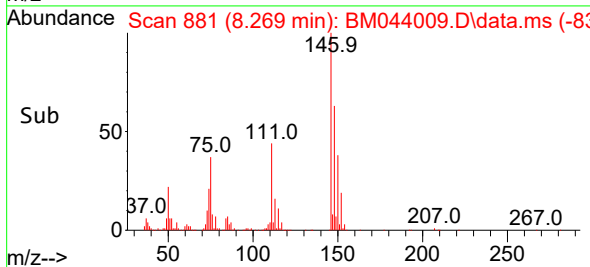
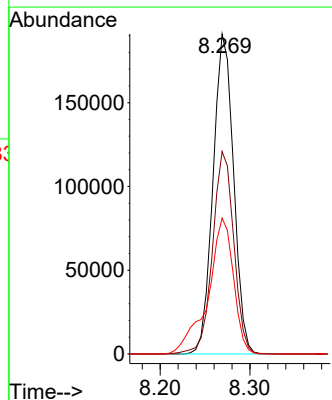
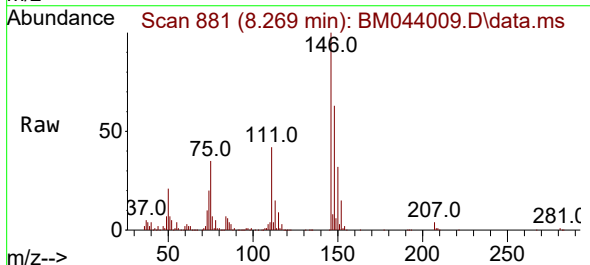
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

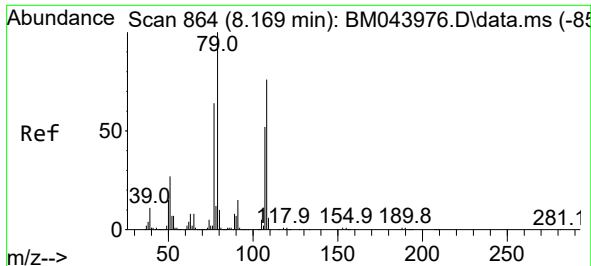
Tgt Ion:146 Resp: 317754
Ion Ratio Lower Upper
146 100
148 64.2 50.7 76.1
111 41.4 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 6.676 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:146 Resp: 303249
Ion Ratio Lower Upper
146 100
148 63.3 50.3 75.5
111 42.4 34.3 51.5

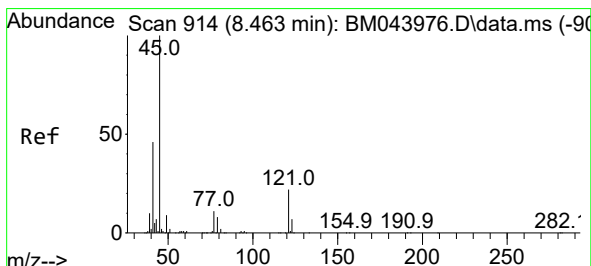
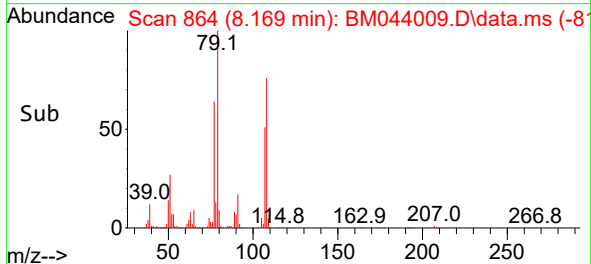
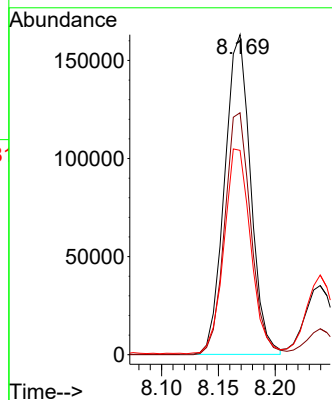
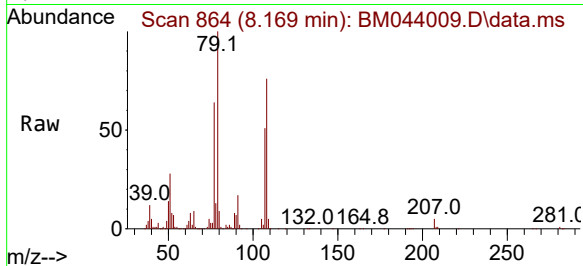




#15
Benzyl Alcohol
Concen: 6.736 ng
RT: 8.169 min Scan# 864
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

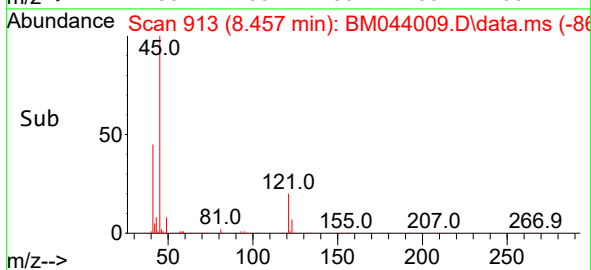
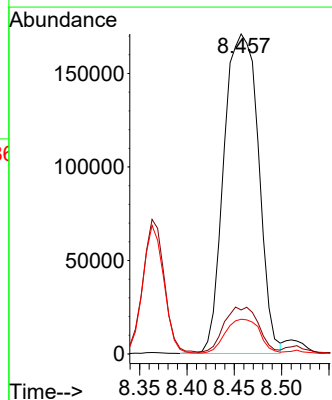
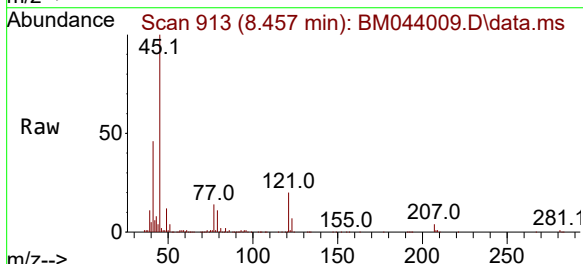
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

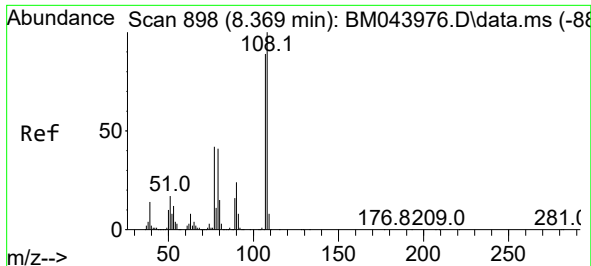
Tgt Ion: 79 Resp: 259159
Ion Ratio Lower Upper
79 100
108 75.6 60.7 91.1
77 63.8 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.387 ng
RT: 8.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 45 Resp: 433333
Ion Ratio Lower Upper
45 100
77 13.8 0.0 34.4
79 10.9 0.0 31.2



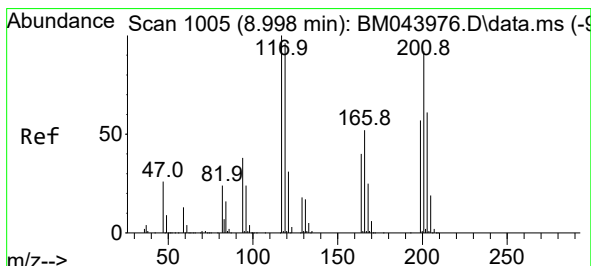
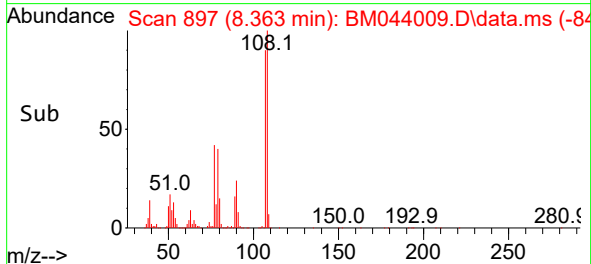
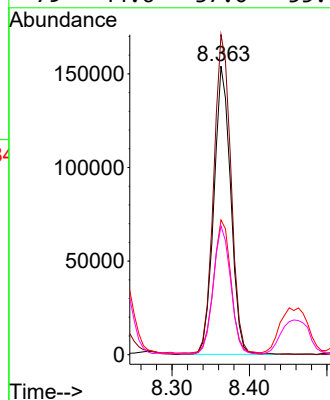
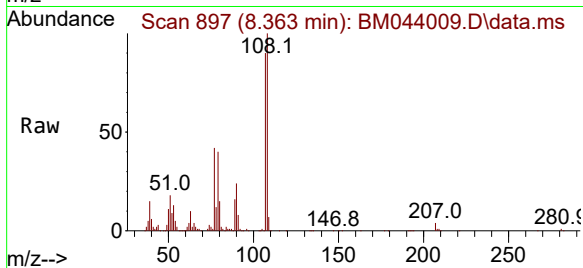


#17
2-Methylphenol
Concen: 6.497 ng
RT: 8.363 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:107 Resp: 231791

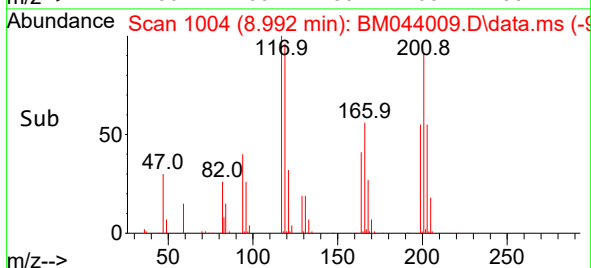
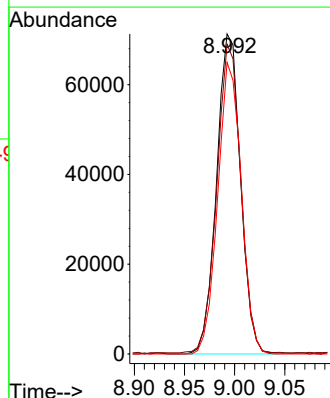
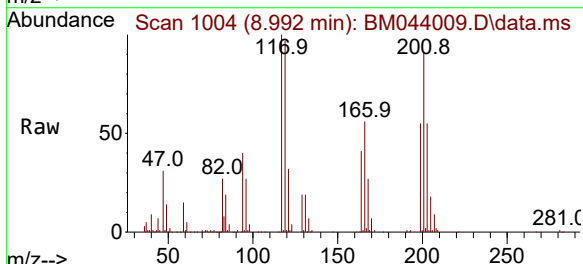
Ion	Ratio	Lower	Upper
107	100		
108	110.9	90.4	135.6
77	46.7	38.0	57.0
79	44.6	37.0	55.4

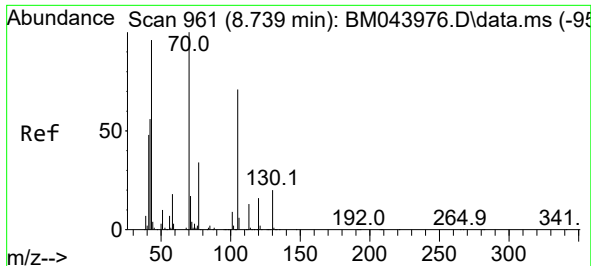


#18
Hexachloroethane
Concen: 6.843 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:117 Resp: 118277

Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.7	115.1
201	91.1	73.4	110.2



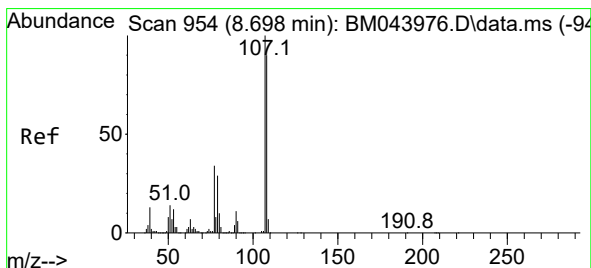
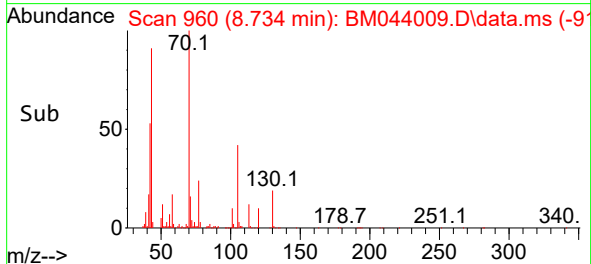
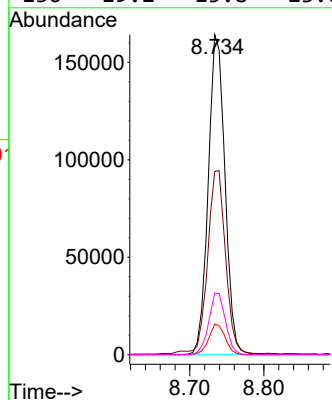
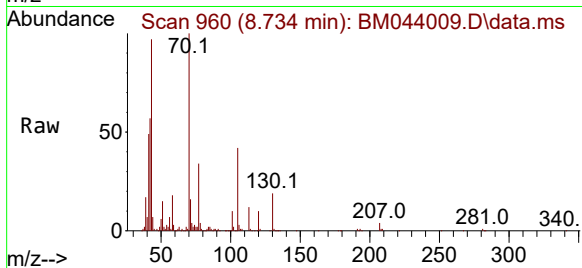


#19
n-Nitroso-di-n-propylamine
Concen: 6.994 ng
RT: 8.734 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 70 Resp: 258316

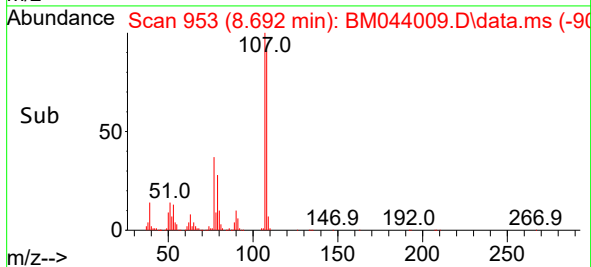
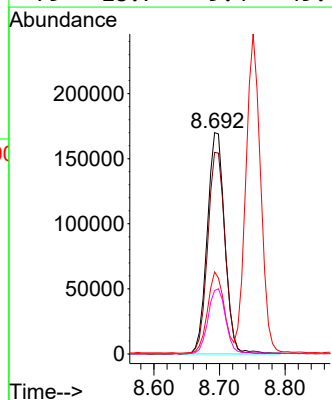
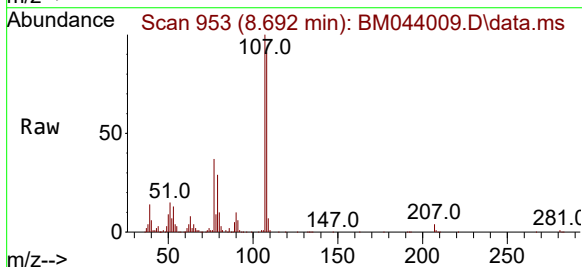
Ion	Ratio	Lower	Upper
70	100		
42	57.3	45.6	68.4
101	9.6	7.5	11.3
130	19.2	15.8	23.6

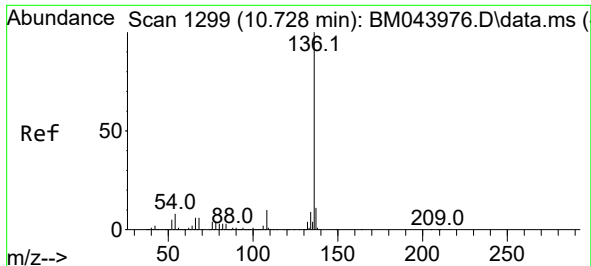


#20
3+4-Methylphenols
Concen: 6.293 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 107 Resp: 316910

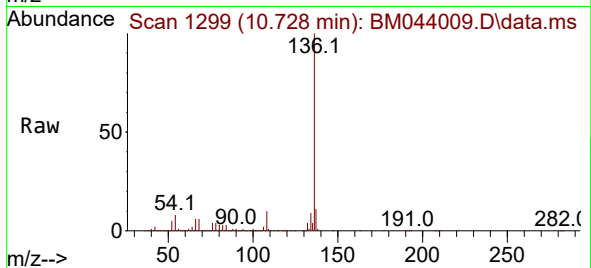
Ion	Ratio	Lower	Upper
107	100		
108	91.1	70.3	110.3
77	37.1	14.0	54.0
79	28.7	9.4	49.4





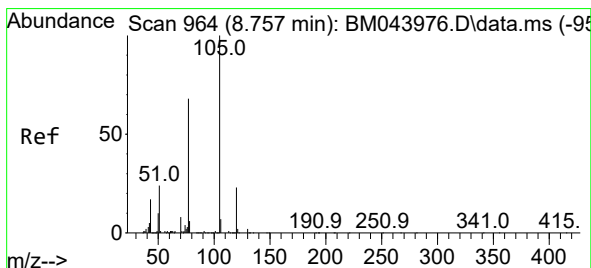
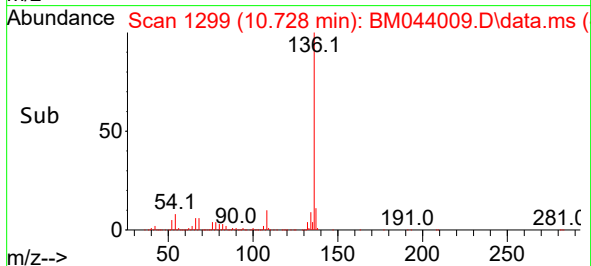
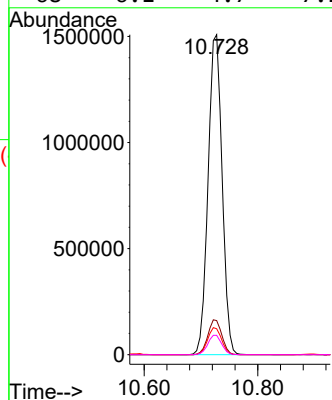
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:136 Resp: 2573474

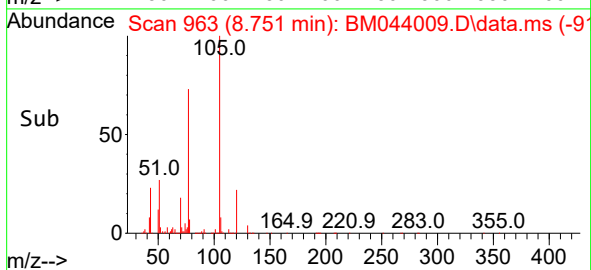
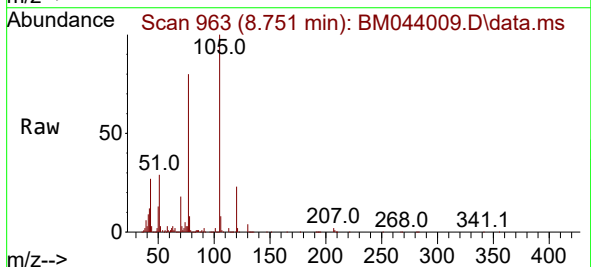
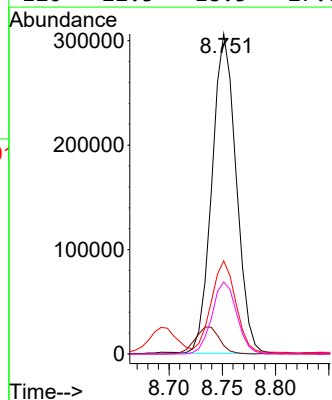
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.1	6.5	9.7
68	6.1	4.7	7.1

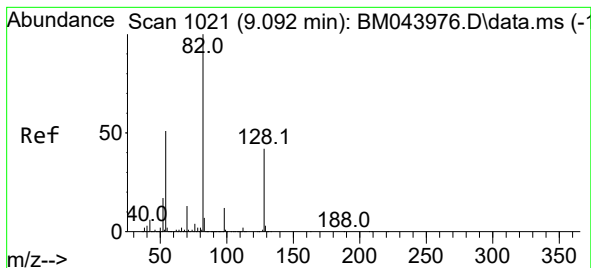


#22
Acetophenone
Concen: 6.914 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:105 Resp: 482118

Ion	Ratio	Lower	Upper
105	100		
71	2.7	1.6	2.4
51	29.1	21.8	32.6
120	22.5	18.5	27.7

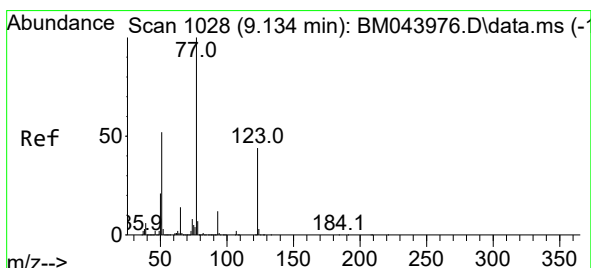
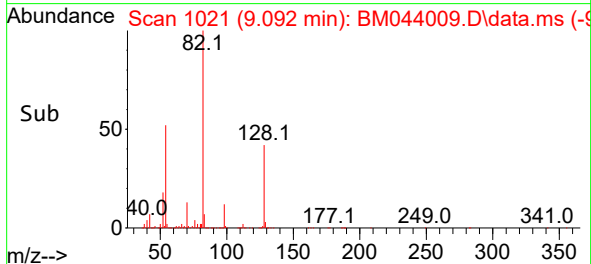
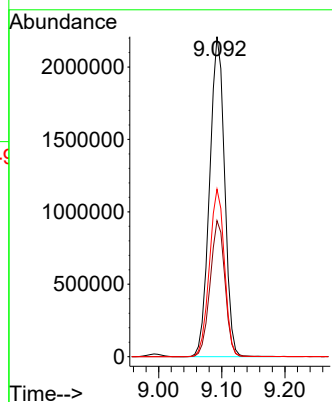
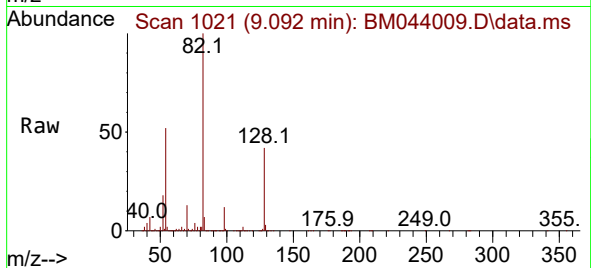




#23
Nitrobenzene-d5
Concen: 68.193 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

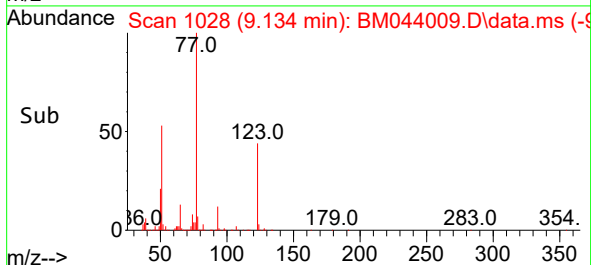
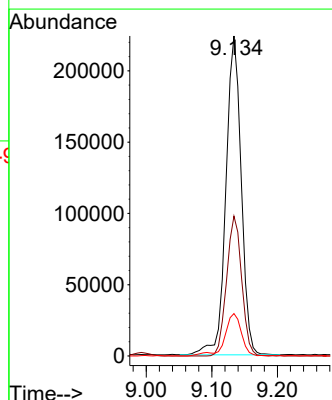
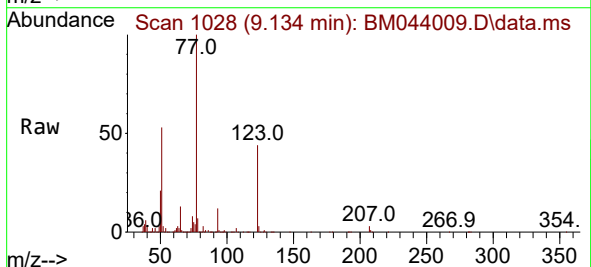
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

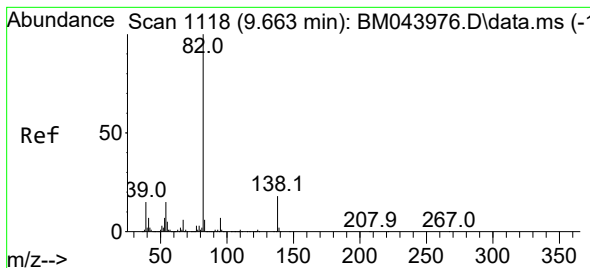
Tgt Ion: 82 Resp: 3640532
Ion Ratio Lower Upper
82 100
128 42.5 33.9 50.9
54 52.4 41.1 61.7



#24
Nitrobenzene
Concen: 6.758 ng
RT: 9.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 77 Resp: 361955
Ion Ratio Lower Upper
77 100
123 43.7 35.3 52.9
65 13.2 10.9 16.3





#25

Isophorone

Concen: 6.751 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

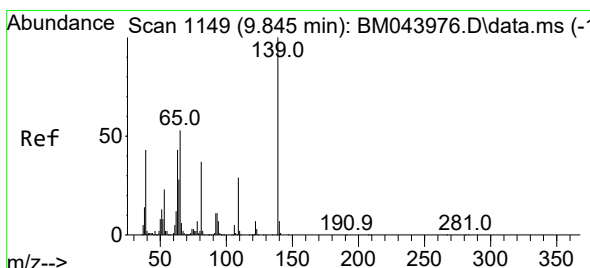
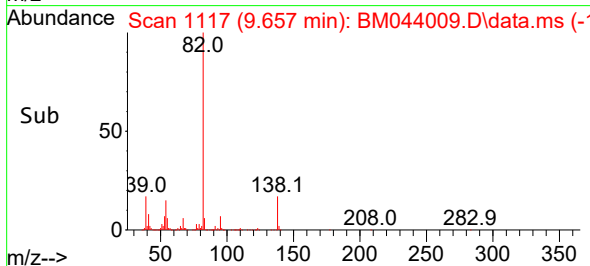
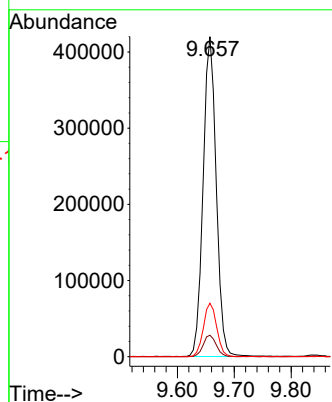
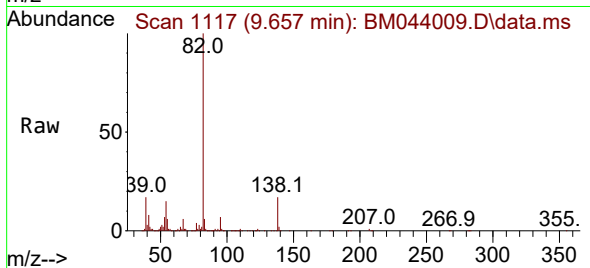
Tgt Ion: 82 Resp: 670872

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 16.7 14.2 21.2



#26

2-Nitrophenol

Concen: 6.183 ng

RT: 9.839 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

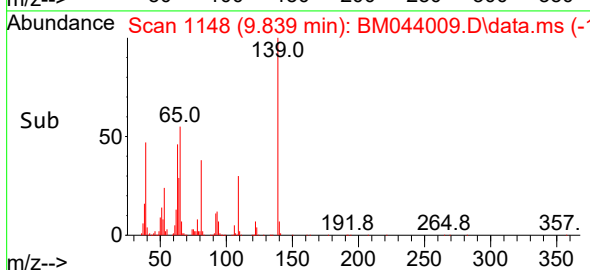
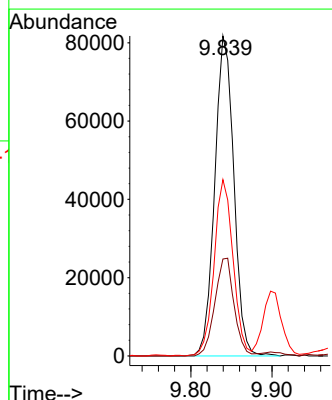
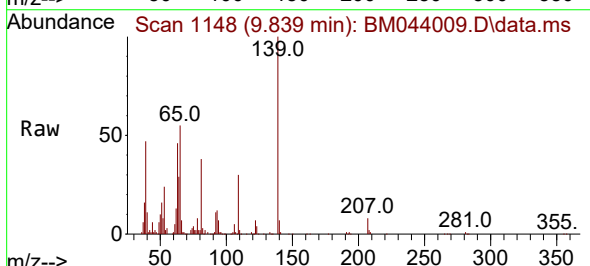
Tgt Ion:139 Resp: 133855

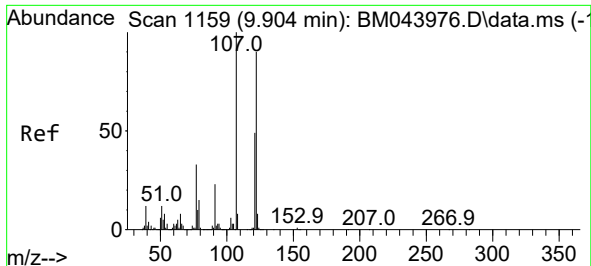
Ion Ratio Lower Upper

139 100

109 30.3 23.3 34.9

65 55.1 42.5 63.7

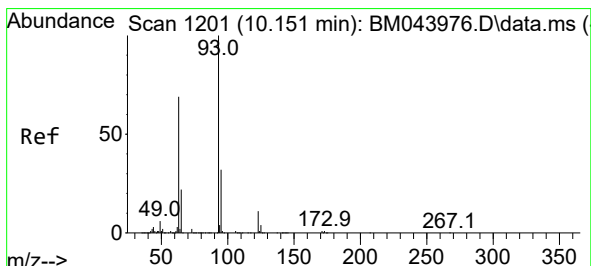
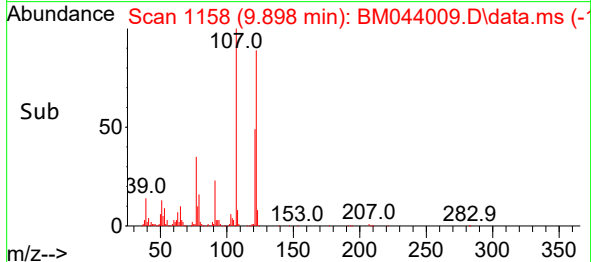
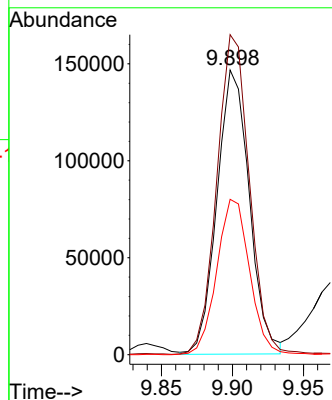
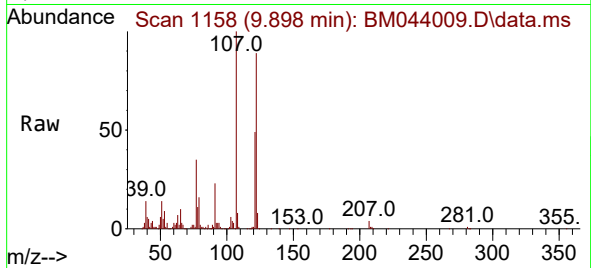




#27
2,4-Dimethylphenol
Concen: 7.819 ng
RT: 9.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

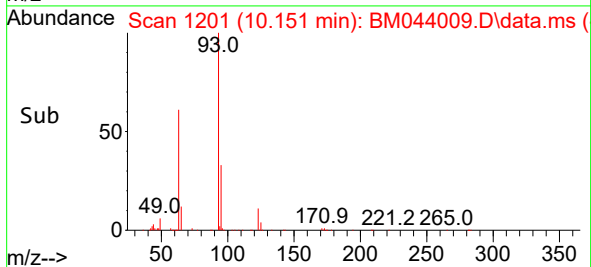
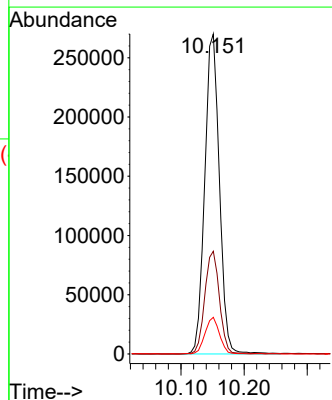
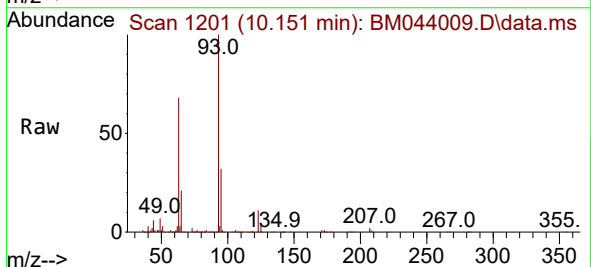
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

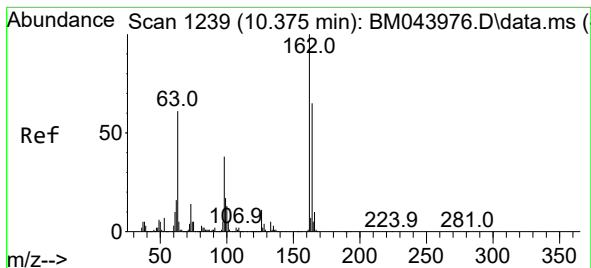
Tgt Ion:122 Resp: 232408
Ion Ratio Lower Upper
122 100
107 112.4 89.0 133.4
121 54.6 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 7.157 ng
RT: 10.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 93 Resp: 434359
Ion Ratio Lower Upper
93 100
95 32.1 25.9 38.9
123 11.5 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 6.529 ng

RT: 10.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

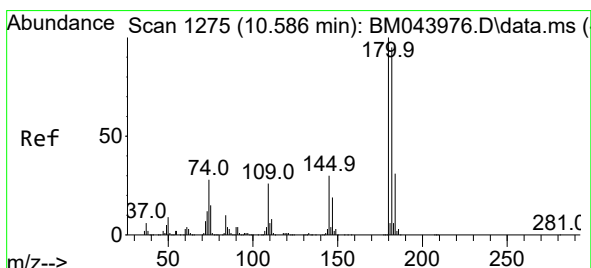
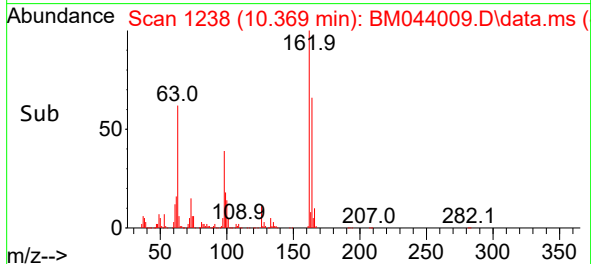
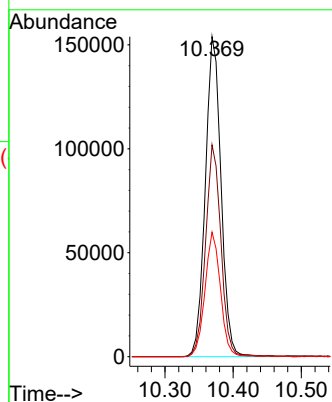
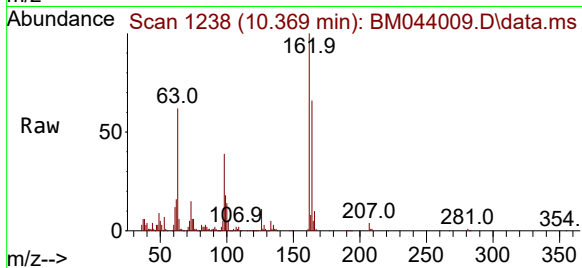
Tgt Ion:162 Resp: 247524

Ion Ratio Lower Upper

162 100

164 66.2 45.1 85.1

98 38.9 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 6.738 ng

RT: 10.586 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

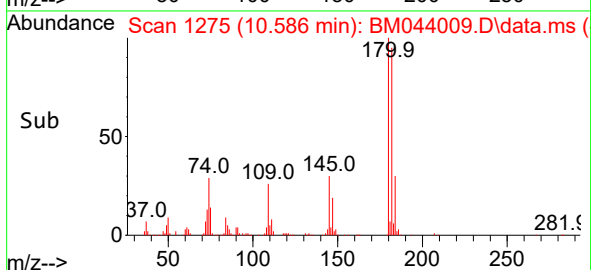
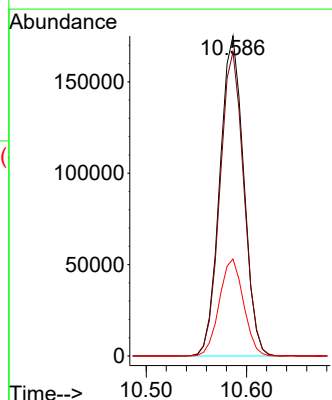
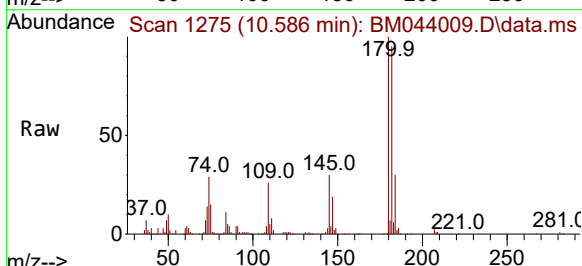
Tgt Ion:180 Resp: 288533

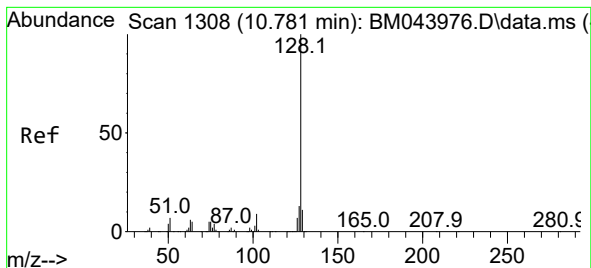
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 30.3 24.2 36.2





#31

Naphthalene

Concen: 6.631 ng

RT: 10.775 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

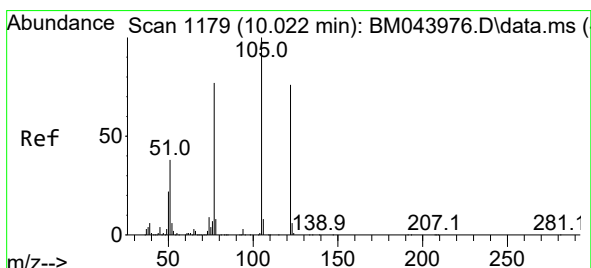
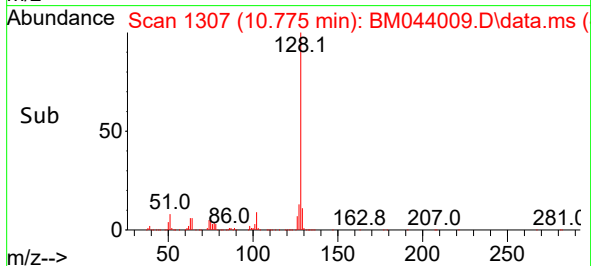
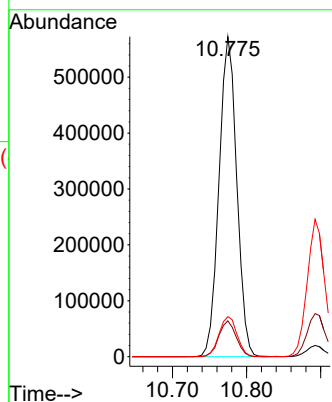
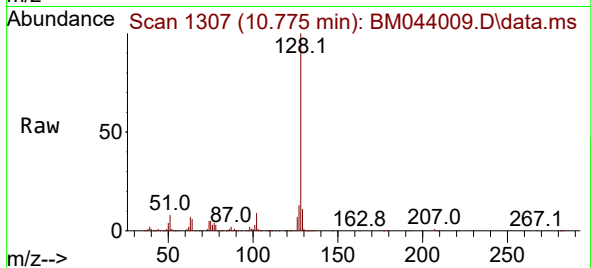
Tgt Ion:128 Resp: 951117

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

127 12.5 10.1 15.1



#32

Benzoic acid

Concen: 9.840 ng

RT: 9.981 min Scan# 1172

Delta R.T. -0.041 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

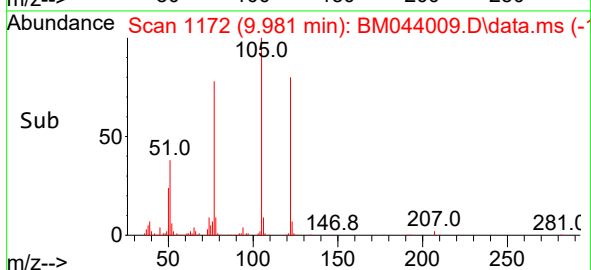
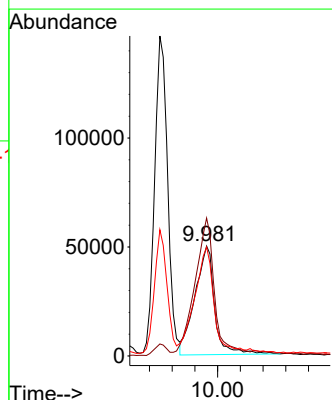
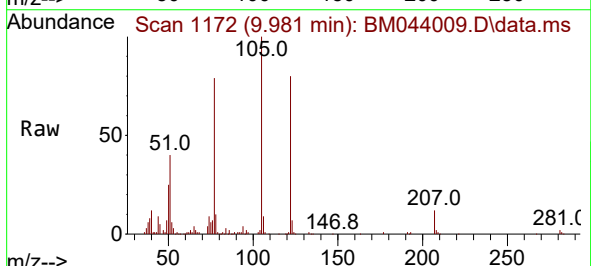
Tgt Ion:122 Resp: 119998

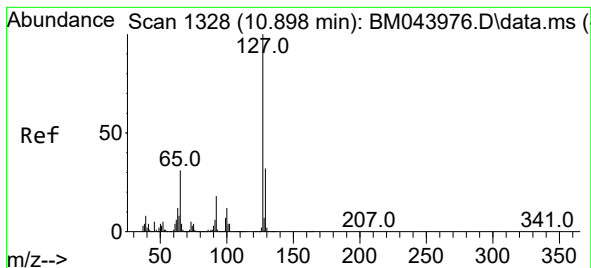
Ion Ratio Lower Upper

122 100

105 125.5 109.4 149.4

77 99.1 80.5 120.5

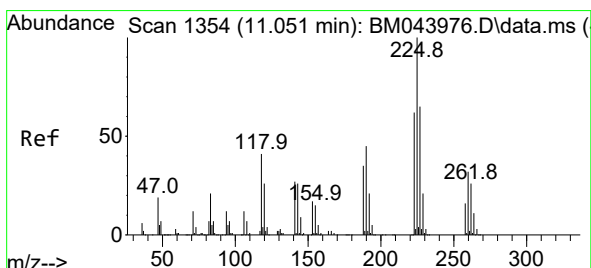
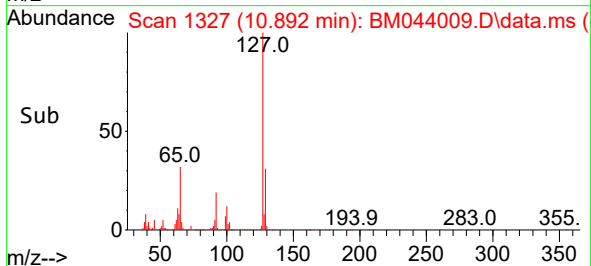
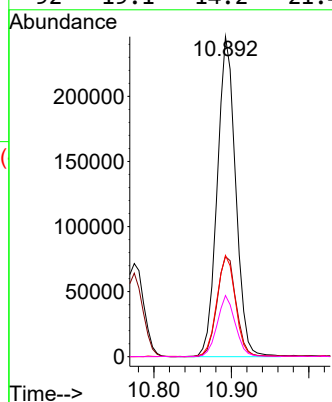
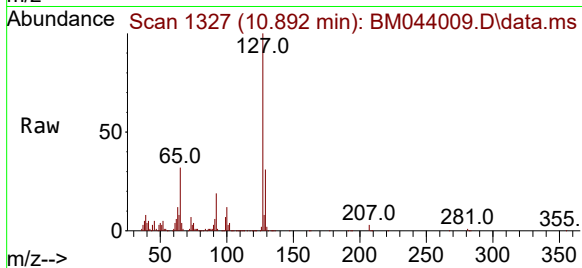




#33
4-Chloroaniline
Concen: 6.884 ng
RT: 10.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

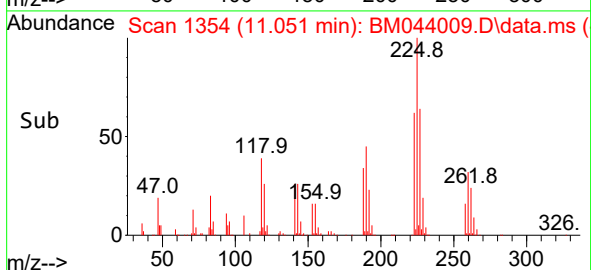
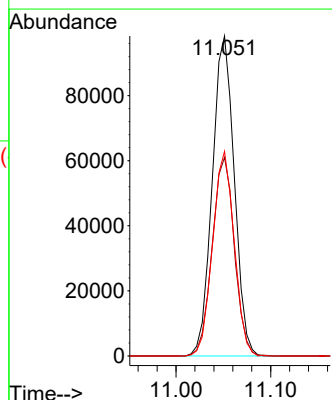
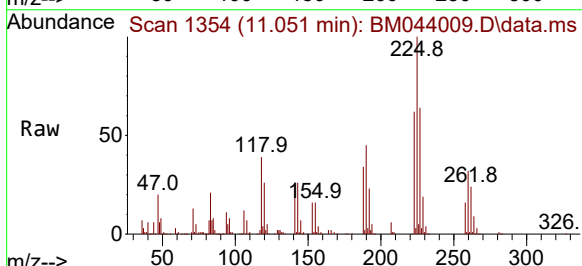
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

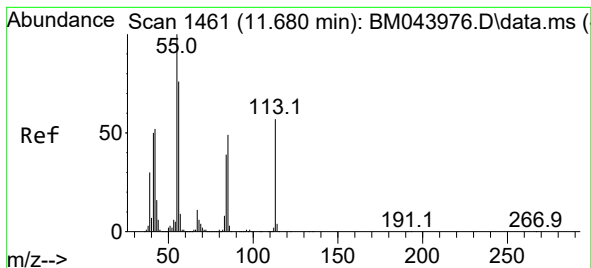
Tgt Ion:127	Resp: 405871
Ion Ratio	Lower Upper
127 100	
129 31.3	25.6 38.4
65 31.6	24.5 36.7
92 19.1	14.2 21.4



#34
Hexachlorobutadiene
Concen: 6.797 ng
RT: 11.051 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:225	Resp: 158752
Ion Ratio	Lower Upper
225 100	
223 62.0	49.8 74.8
227 63.9	51.7 77.5

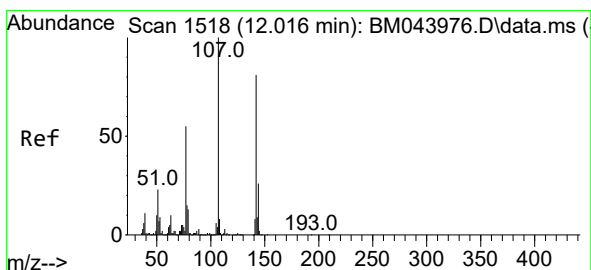
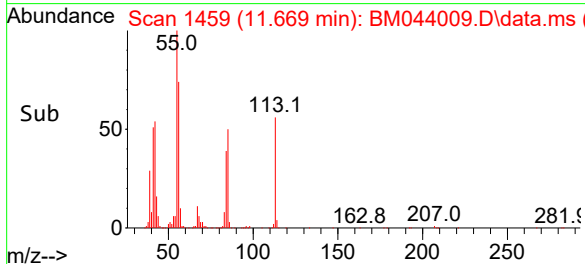
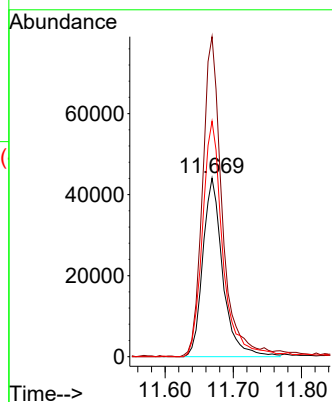
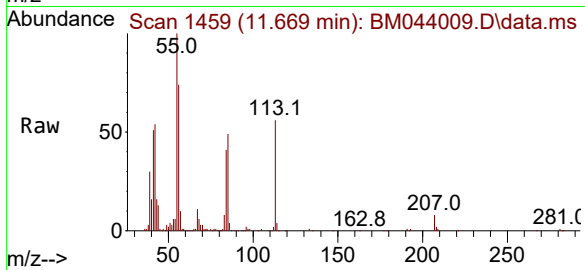




#35
 Caprolactam
 Concen: 5.772 ng
 RT: 11.669 min Scan# 1461
 Delta R.T. -0.012 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

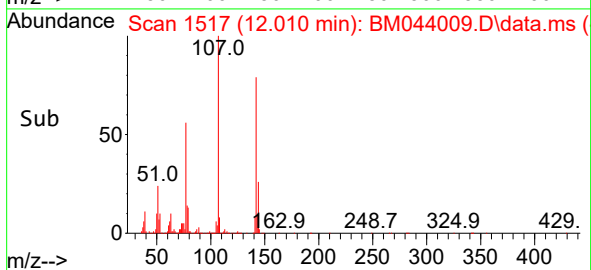
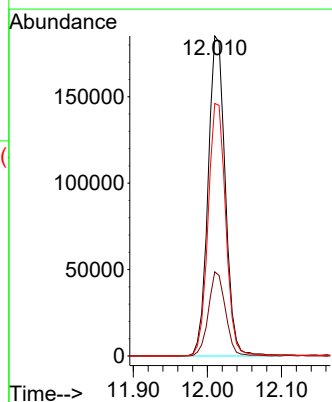
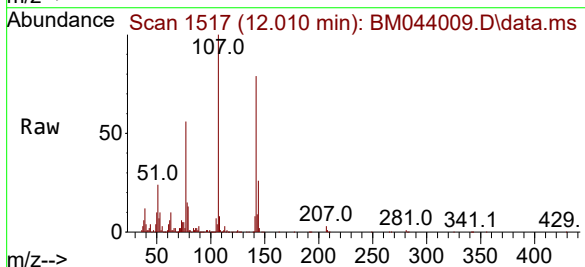
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

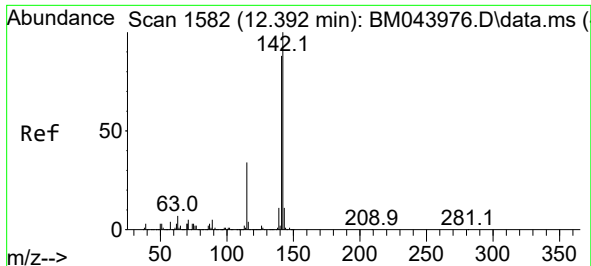
Tgt Ion:113 Resp: 89742
 Ion Ratio Lower Upper
 113 100
 55 179.2 154.3 194.3
 56 131.9 112.2 152.2



#36
 4-Chloro-3-methylphenol
 Concen: 6.422 ng
 RT: 12.010 min Scan# 1517
 Delta R.T. -0.006 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

Tgt Ion:107 Resp: 298179
 Ion Ratio Lower Upper
 107 100
 144 26.3 21.1 31.7
 142 78.9 65.0 97.4

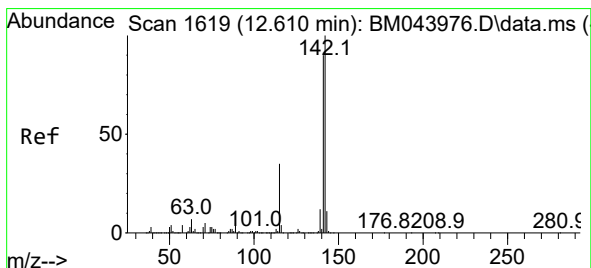
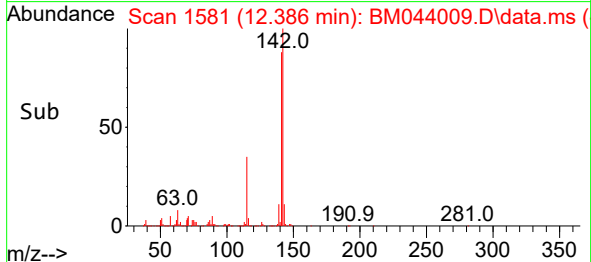
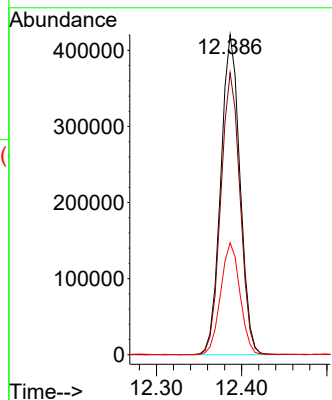
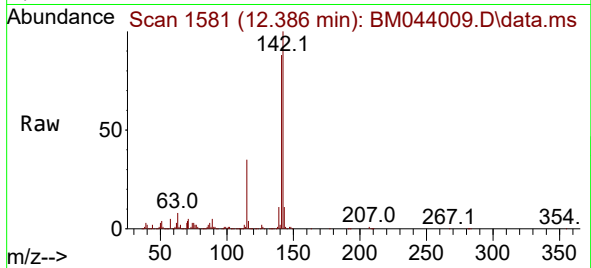




#37
2-Methylnaphthalene
Concen: 6.582 ng
RT: 12.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

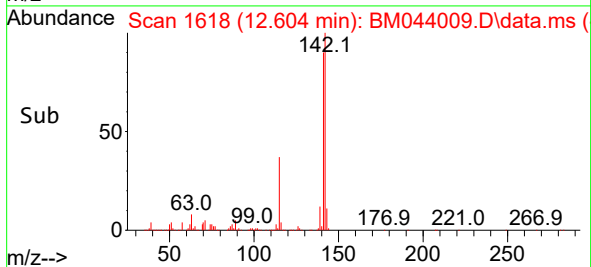
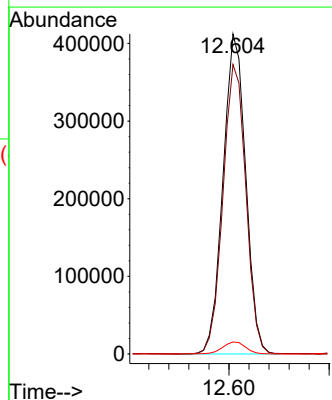
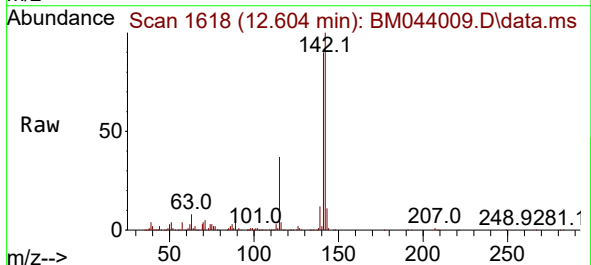
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

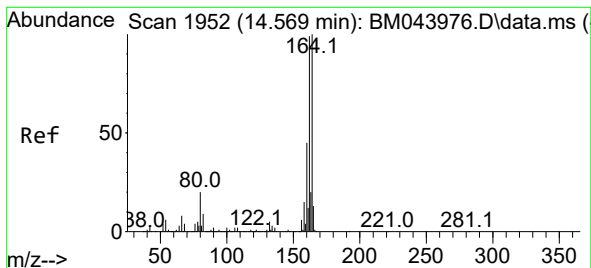
Tgt Ion:142 Resp: 658367
Ion Ratio Lower Upper
142 100
141 88.1 70.2 105.2
115 35.0 27.2 40.8



#38
1-Methylnaphthalene
Concen: 6.463 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:142 Resp: 645373
Ion Ratio Lower Upper
142 100
141 90.4 72.1 108.1
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

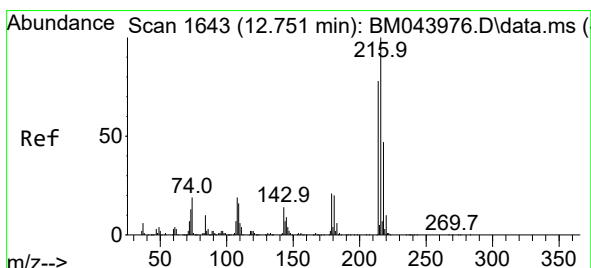
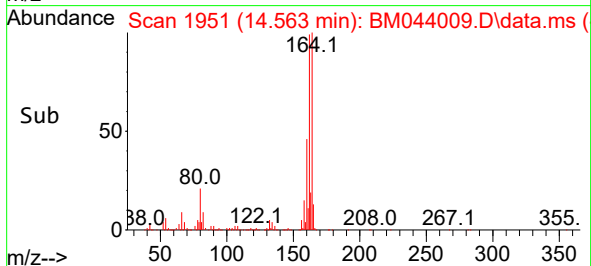
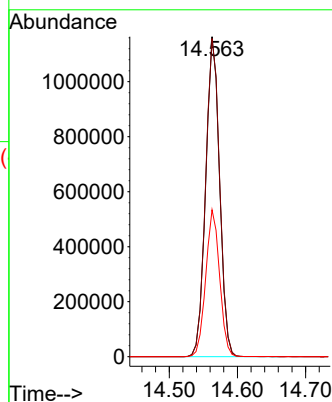
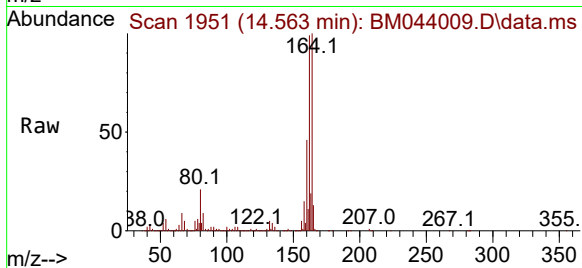
Tgt Ion:164 Resp: 1643413

Ion Ratio Lower Upper

164 100

162 99.4 79.0 118.4

160 45.9 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.005 ng

RT: 12.751 min Scan# 1643

Delta R.T. 0.000 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Tgt Ion:216 Resp: 326521

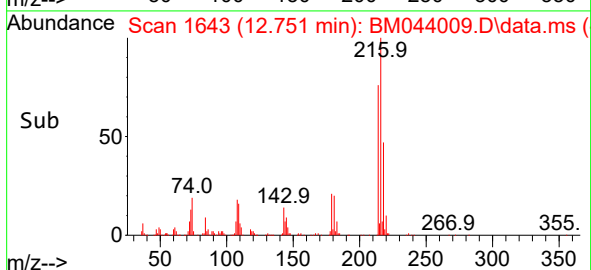
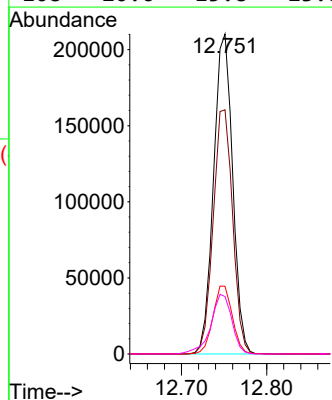
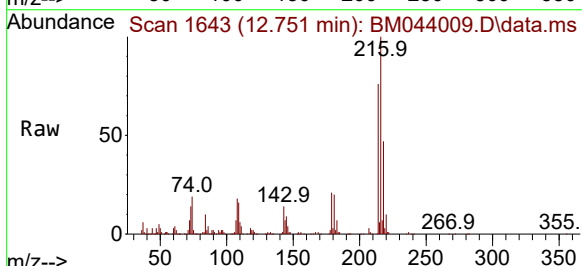
Ion Ratio Lower Upper

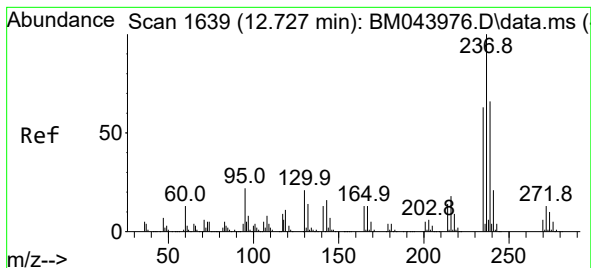
216 100

214 77.7 62.6 94.0

179 21.6 16.7 25.1

108 20.6 15.8 23.8





#41

Hexachlorocyclopentadiene

Concen: 8.939 ng

RT: 12.722 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

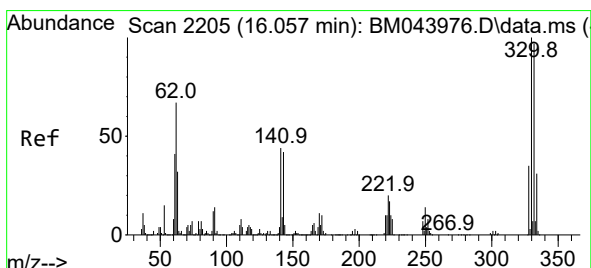
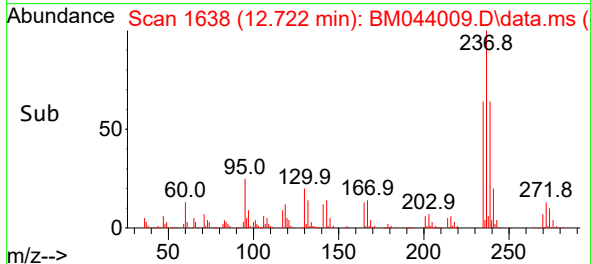
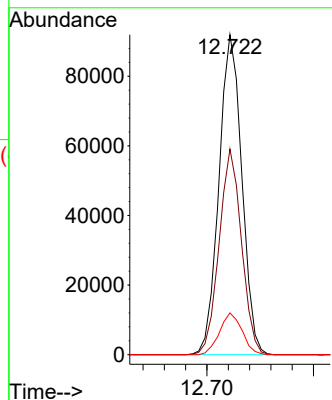
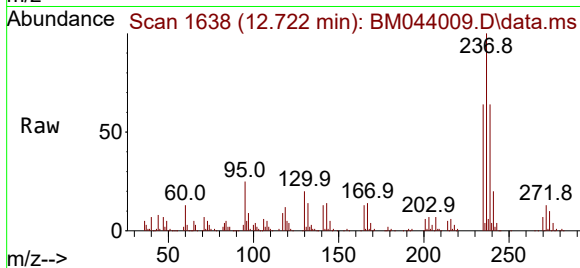
Tgt Ion:237 Resp: 137029

Ion Ratio Lower Upper

237 100

235 64.2 43.5 83.5

272 13.1 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 90.045 ng

RT: 16.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

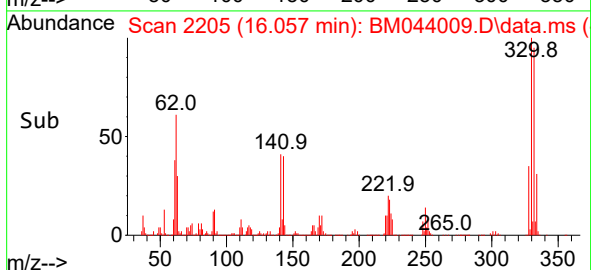
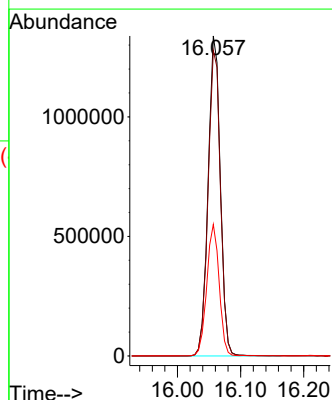
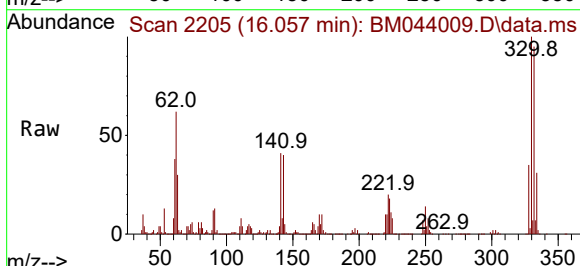
Tgt Ion:330 Resp: 1803880

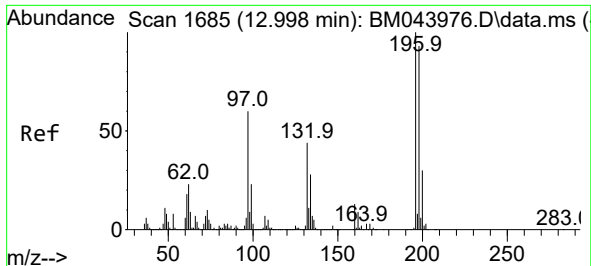
Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 41.7 33.5 50.3

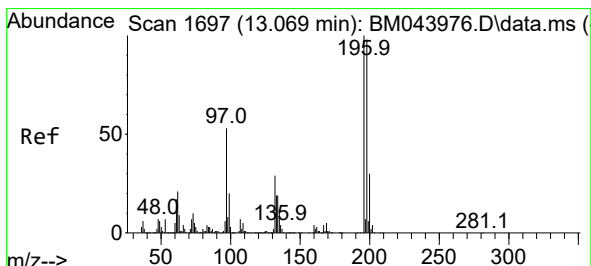
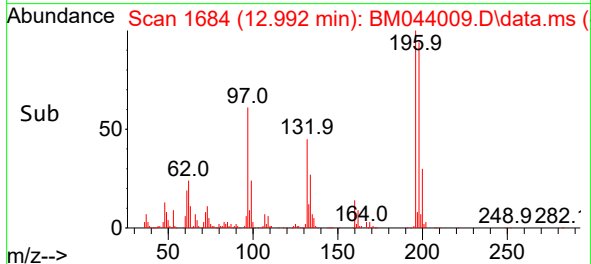
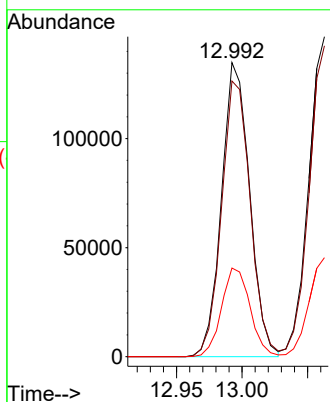
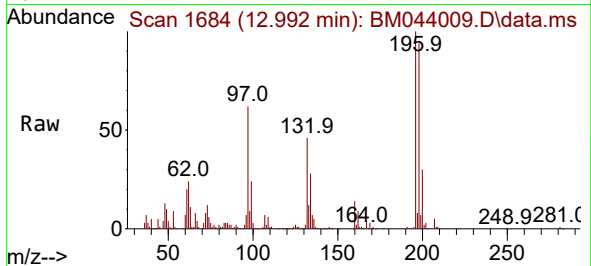




#43
2,4,6-Trichlorophenol
Concen: 6.393 ng
RT: 12.992 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

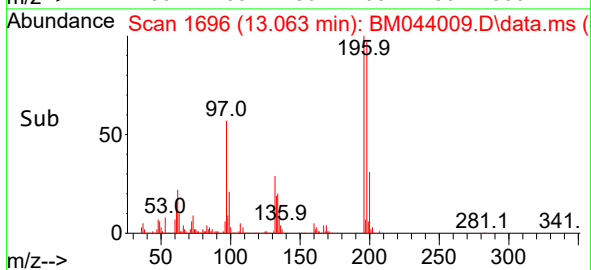
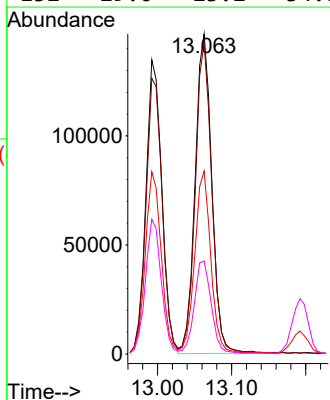
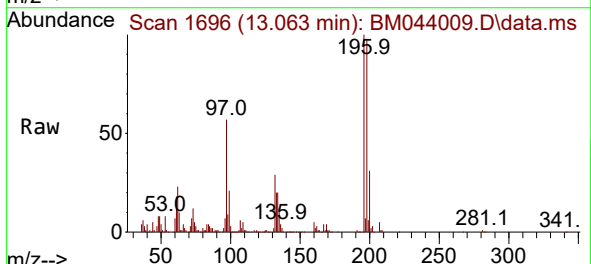
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

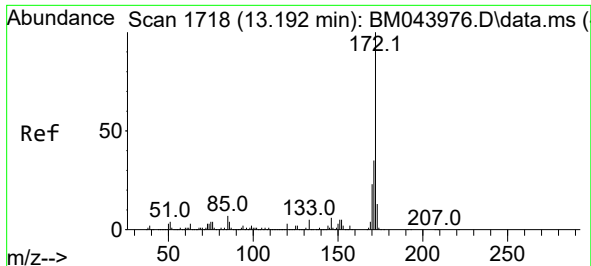
Tgt Ion:196 Resp: 201374
Ion Ratio Lower Upper
196 100
198 93.8 74.2 111.2
200 30.1 23.8 35.8



#44
2,4,5-Trichlorophenol
Concen: 6.363 ng
RT: 13.063 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:196 Resp: 228676
Ion Ratio Lower Upper
196 100
198 97.2 78.1 117.1
97 57.1 42.2 63.2
132 29.0 23.2 34.8

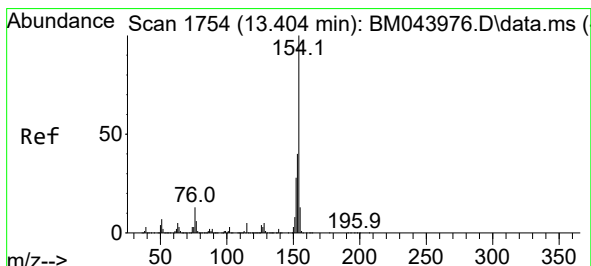
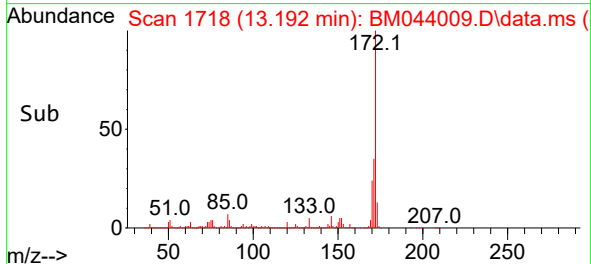
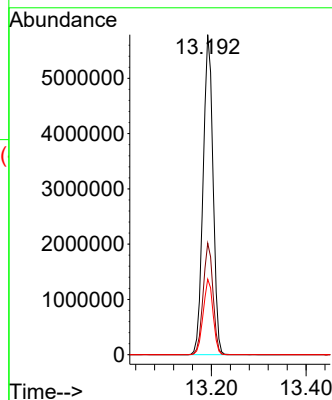
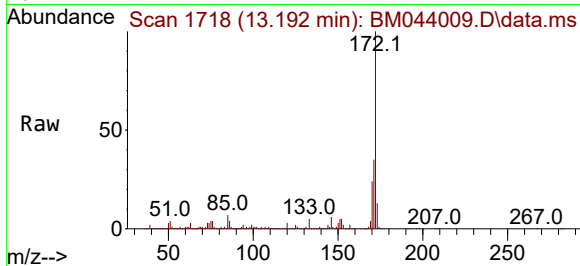




#45
2-Fluorobiphenyl
Concen: 70.056 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

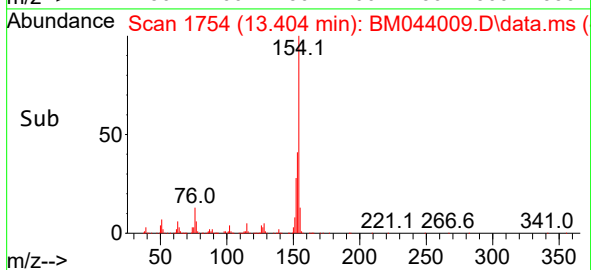
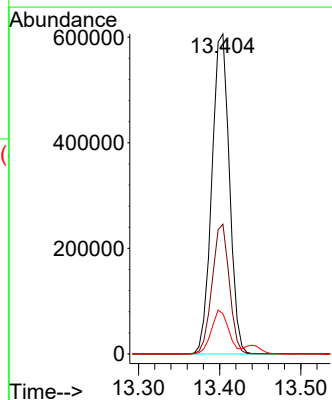
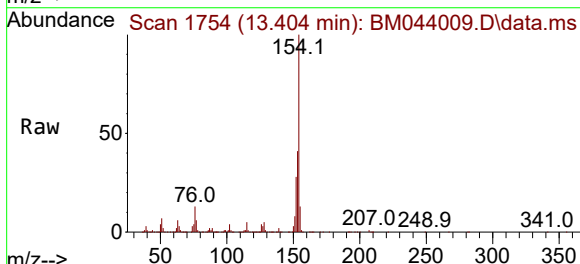
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

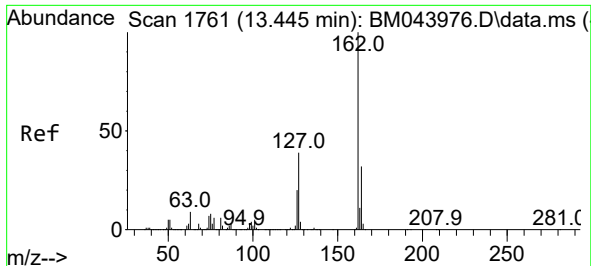
Tgt Ion:172 Resp: 8378850
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.6 18.6 28.0



#46
1,1'-Biphenyl
Concen: 7.039 ng
RT: 13.404 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:154 Resp: 909676
Ion Ratio Lower Upper
154 100
153 40.5 19.8 59.8
76 12.6 0.0 33.0

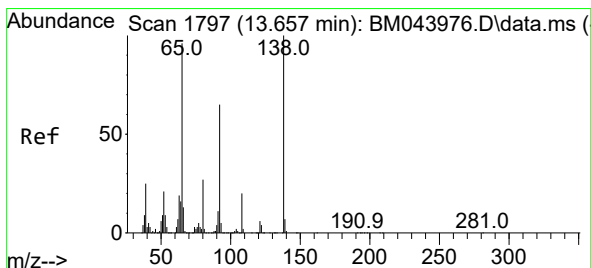
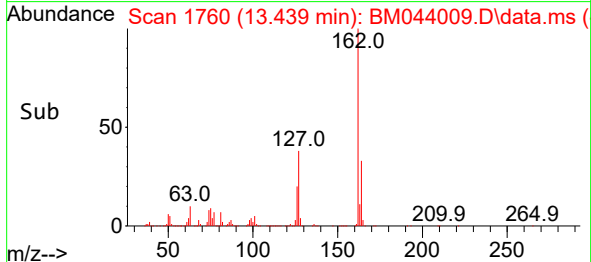
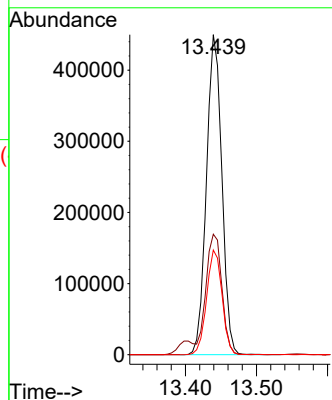
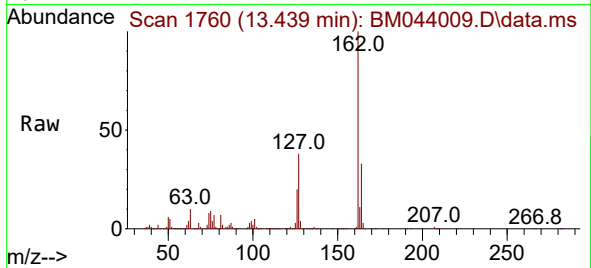




#47
2-Chloronaphthalene
Concen: 6.595 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

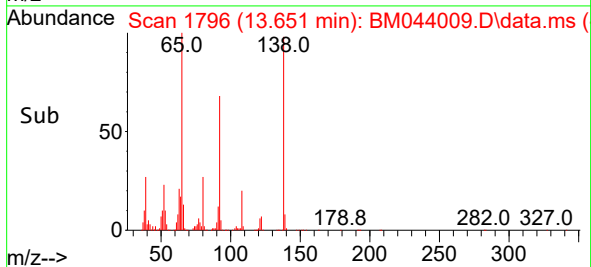
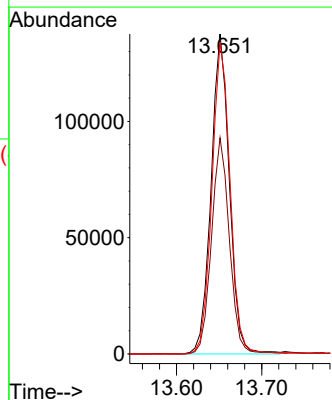
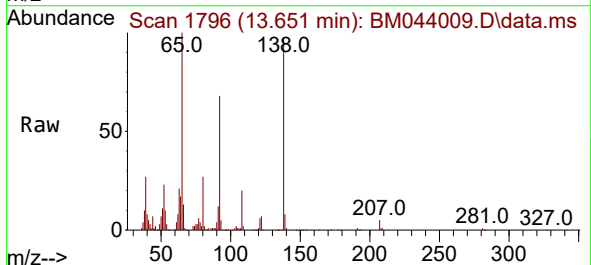
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

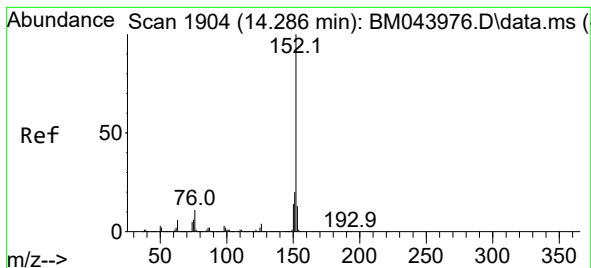
Tgt Ion:162 Resp: 679725
Ion Ratio Lower Upper
162 100
127 37.7 31.0 46.6
164 32.7 25.8 38.6



#48
2-Nitroaniline
Concen: 6.112 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion: 65 Resp: 204864
Ion Ratio Lower Upper
65 100
92 67.6 53.6 80.4
138 97.4 83.0 124.6





#49

Acenaphthylene

Concen: 7.124 ng

RT: 14.286 min Scan# 1904

Delta R.T. 0.000 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

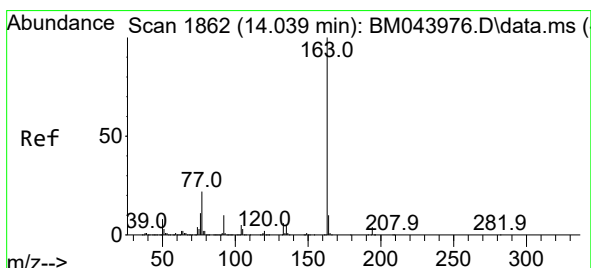
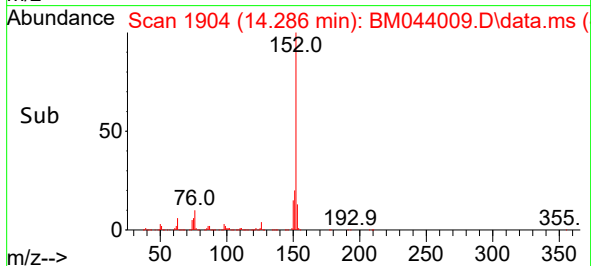
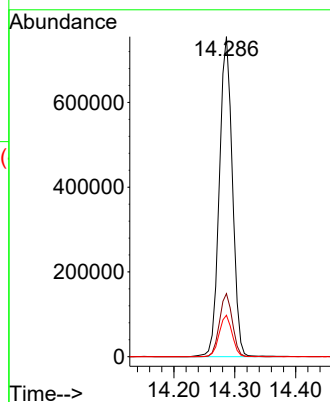
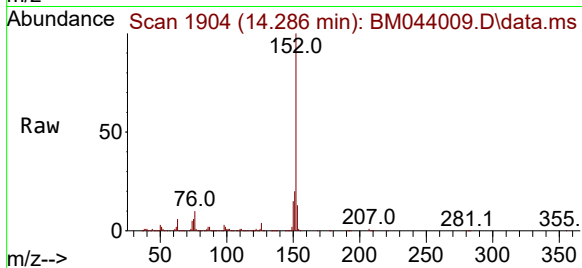
Tgt Ion:152 Resp: 1122315

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 6.769 ng

RT: 14.033 min Scan# 1861

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

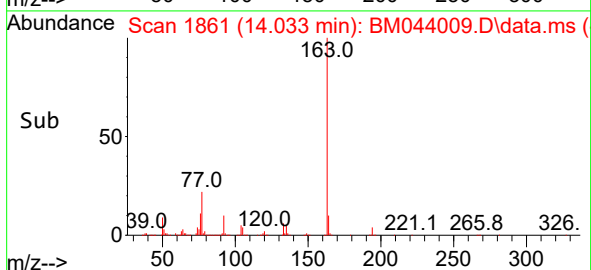
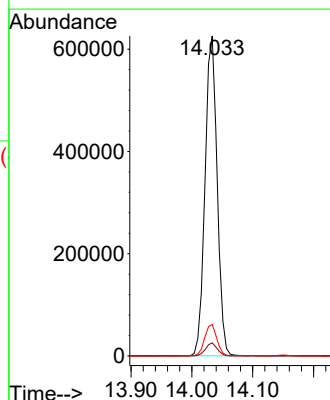
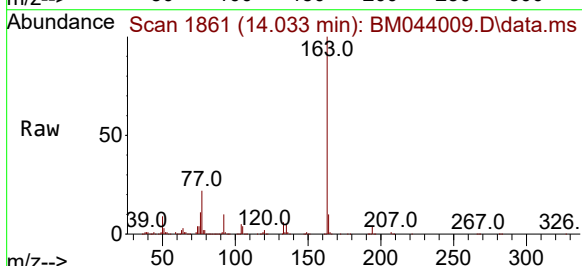
Tgt Ion:163 Resp: 864119

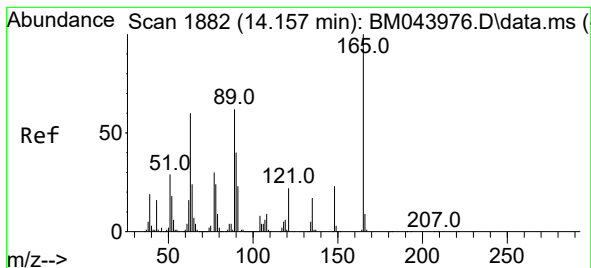
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 9.9 8.0 12.0

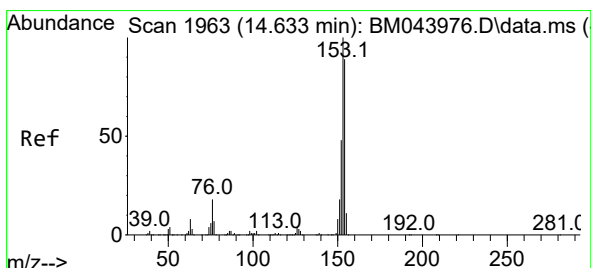
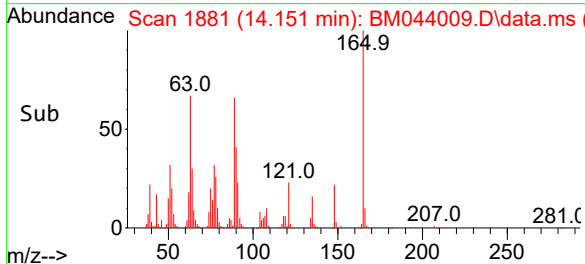
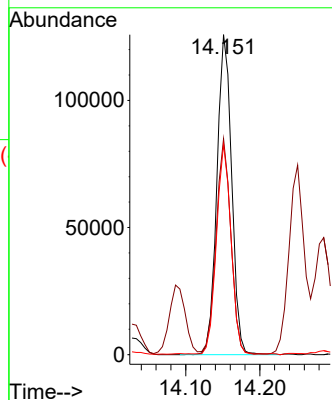
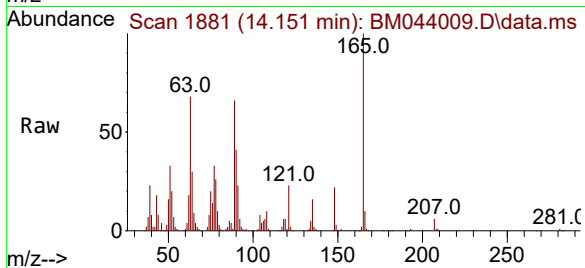




#51
2,6-Dinitrotoluene
Concen: 6.193 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

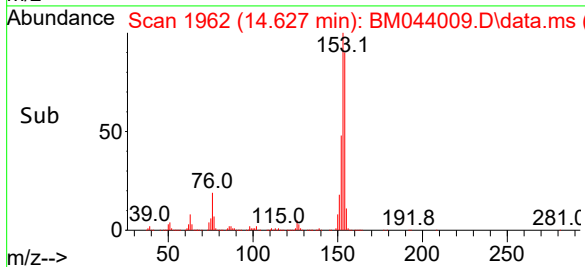
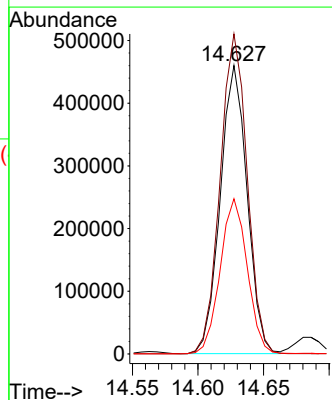
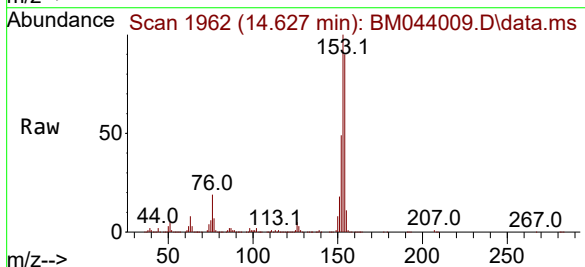
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

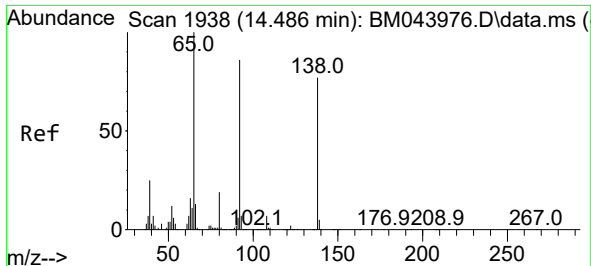
Tgt Ion:165 Resp: 173787
Ion Ratio Lower Upper
165 100
63 67.5 51.1 76.7
89 65.8 49.5 74.3



#52
Acenaphthene
Concen: 6.553 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:154 Resp: 654438
Ion Ratio Lower Upper
154 100
153 110.9 90.1 135.1
152 53.8 43.6 65.4

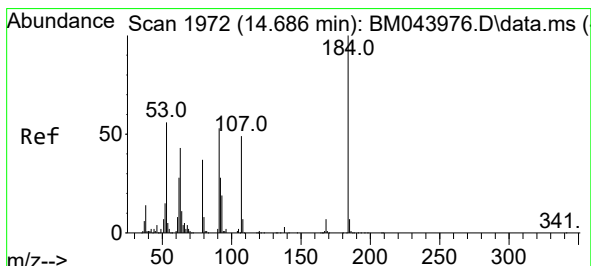
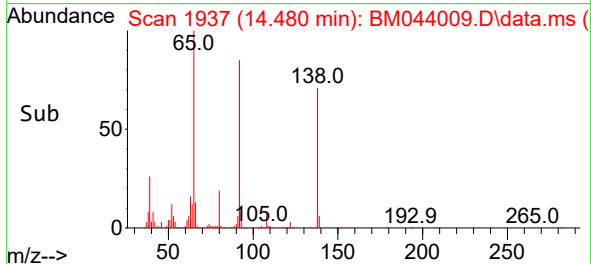
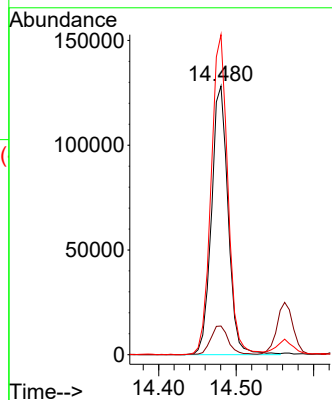
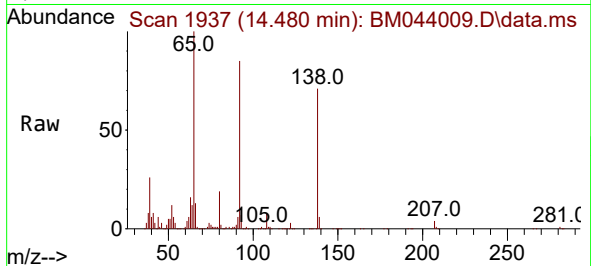




#53
3-Nitroaniline
Concen: 5.878 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

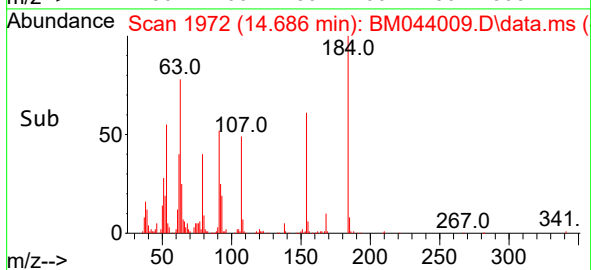
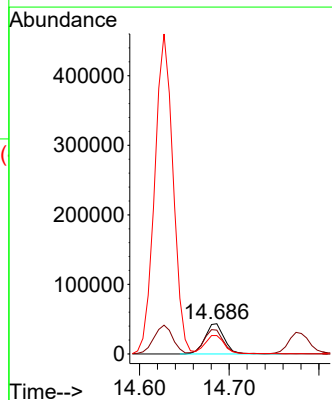
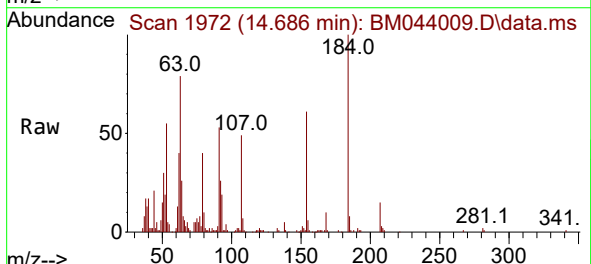
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

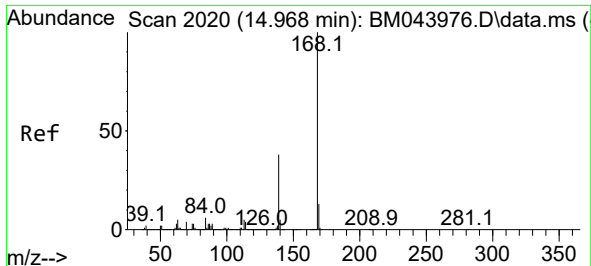
Tgt Ion:138 Resp: 191466
Ion Ratio Lower Upper
138 100
108 10.7 7.8 11.6
92 119.1 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 10.804 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:184 Resp: 64887
Ion Ratio Lower Upper
184 100
63 79.2 62.8 94.2
154 61.3 51.4 77.2

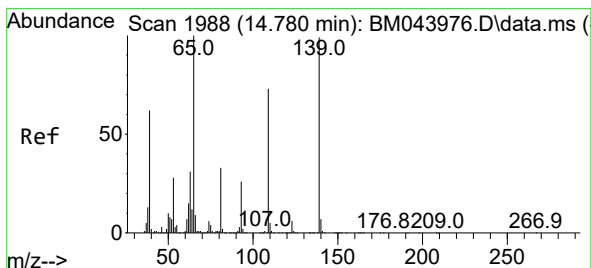
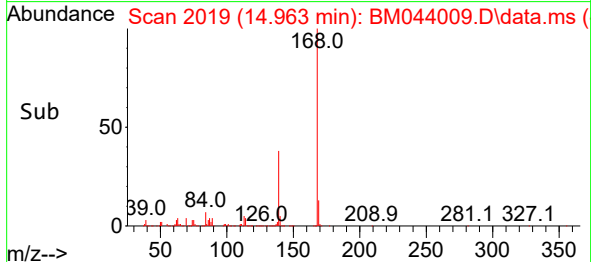
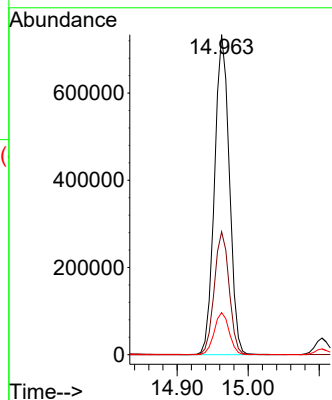
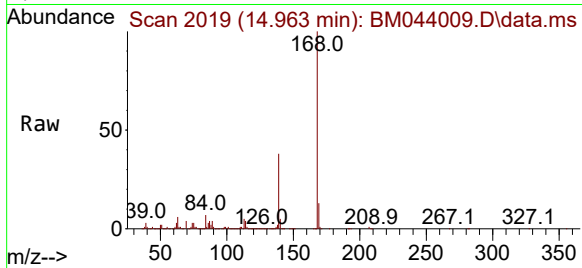




#55
Dibenzofuran
Concen: 6.828 ng
RT: 14.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

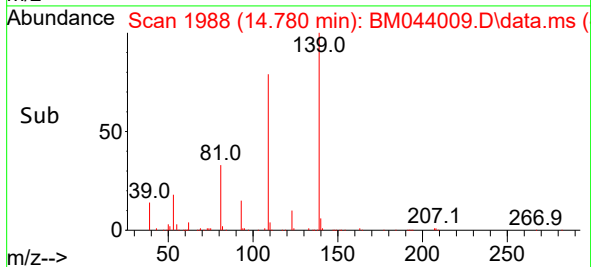
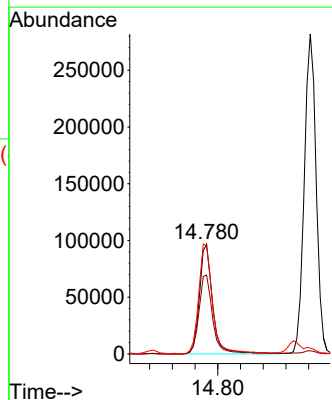
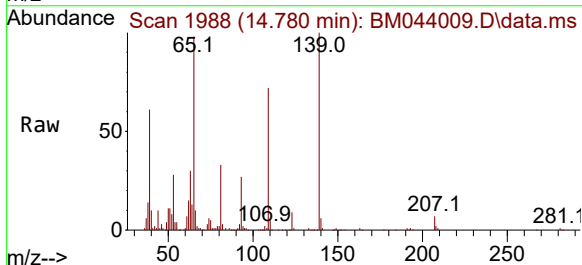
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

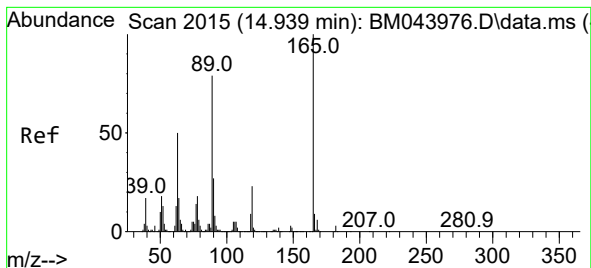
Tgt Ion:168 Resp: 1061195
Ion Ratio Lower Upper
168 100
139 38.4 30.7 46.1
169 13.2 10.5 15.7



#56
4-Nitrophenol
Concen: 5.503 ng
RT: 14.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:139 Resp: 156647
Ion Ratio Lower Upper
139 100
109 72.0 53.2 93.2
65 98.3 80.7 120.7

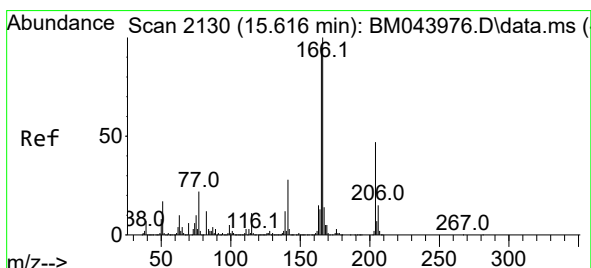
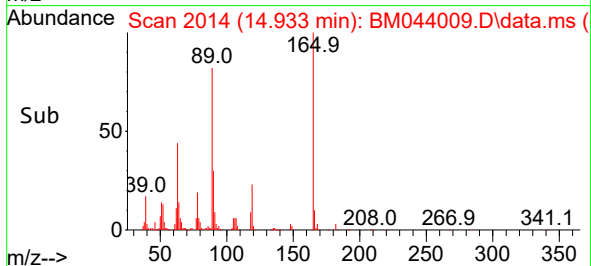
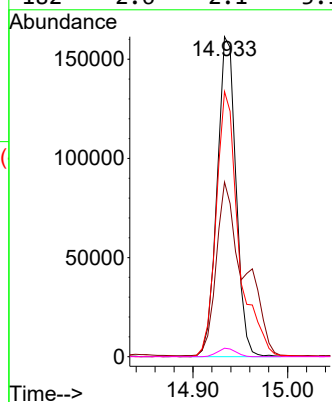
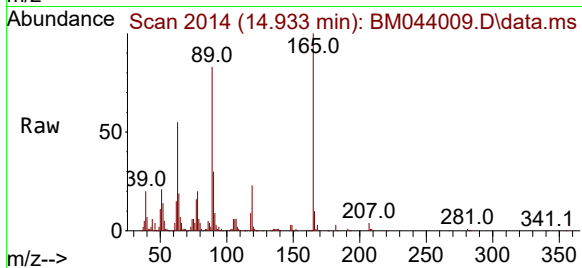




#57
2,4-Dinitrotoluene
Concen: 5.726 ng
RT: 14.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

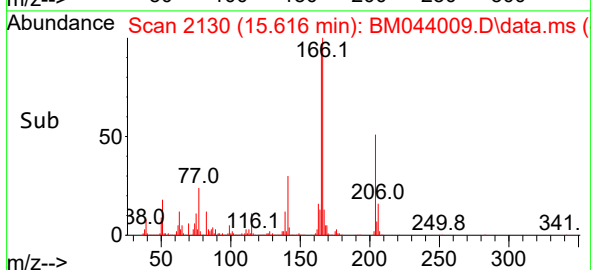
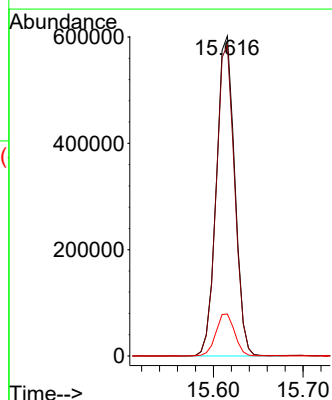
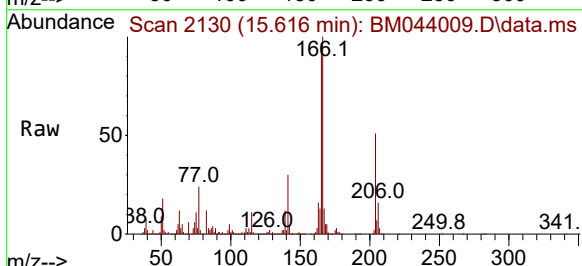
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

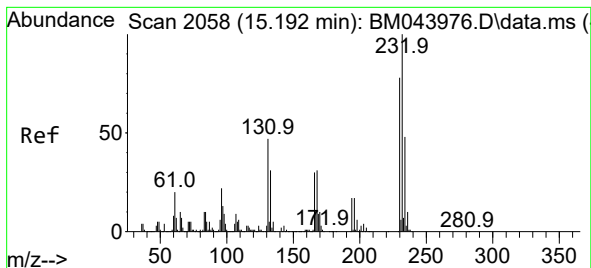
Tgt Ion:165 Resp: 223648
Ion Ratio Lower Upper
165 100
63 54.5 40.2 60.4
89 82.8 63.3 94.9
182 2.6 2.1 3.1



#58
Fluorene
Concen: 6.511 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:166 Resp: 854669
Ion Ratio Lower Upper
166 100
165 97.1 76.3 114.5
167 13.1 10.9 16.3

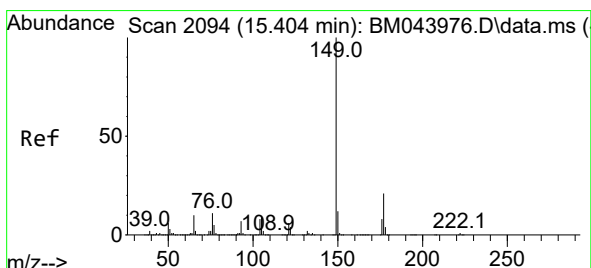
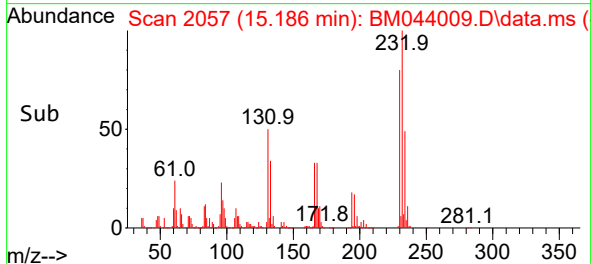
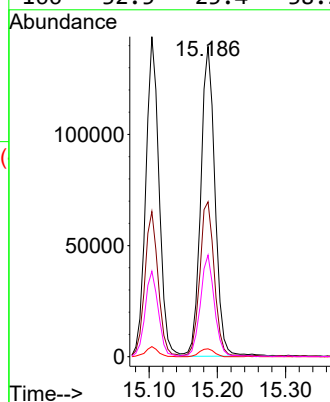
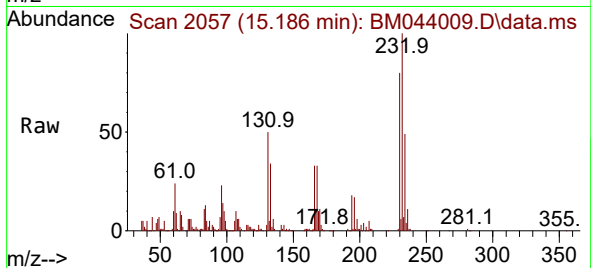




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.527 ng
RT: 15.186 min Scan# 2058
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

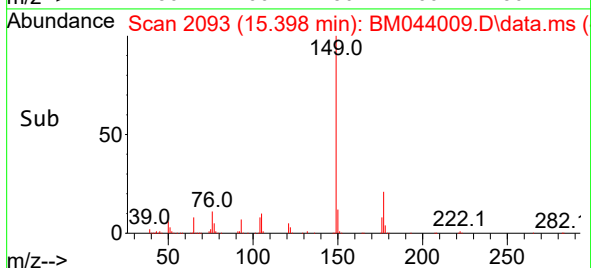
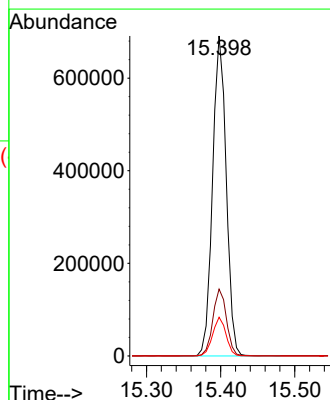
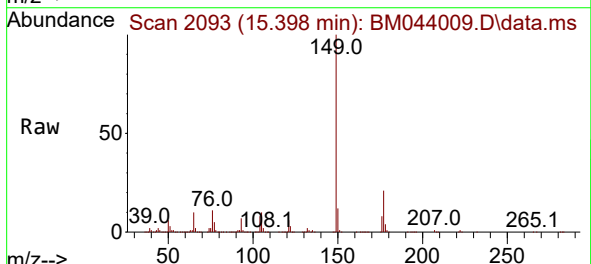
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

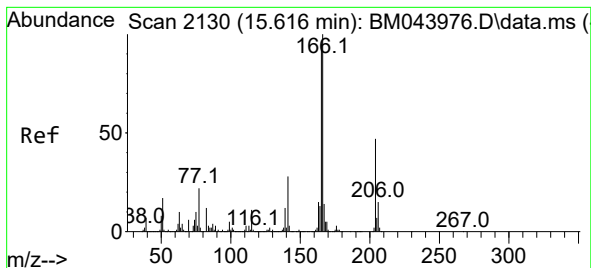
Tgt Ion:232 Resp: 202222
Ion Ratio Lower Upper
232 100
131 50.7 39.8 59.6
130 2.6 2.0 3.0
166 32.5 25.4 38.2



#60
Diethylphthalate
Concen: 6.678 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:149 Resp: 882533
Ion Ratio Lower Upper
149 100
177 20.9 17.1 25.7
150 12.1 9.8 14.6

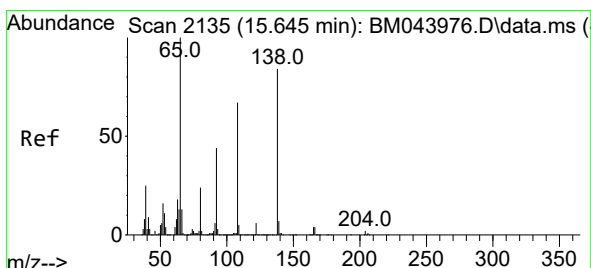
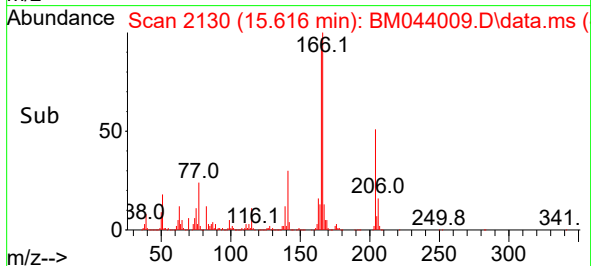
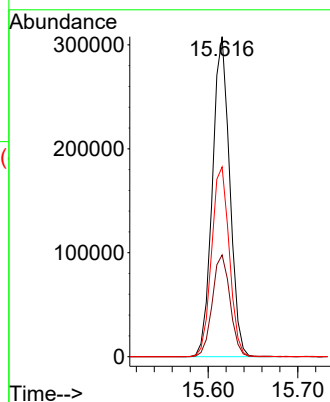
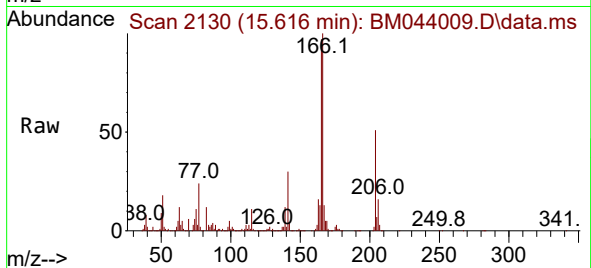




#61
4-Chlorophenyl-phenylether
Concen: 6.721 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

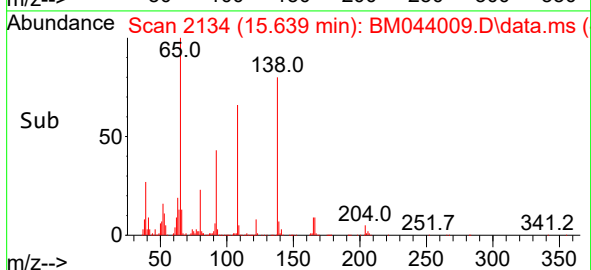
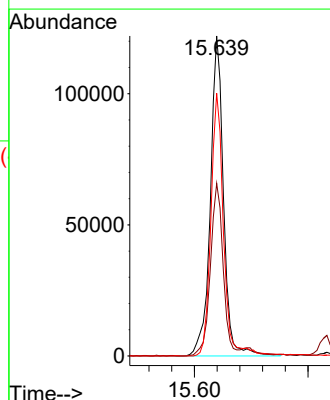
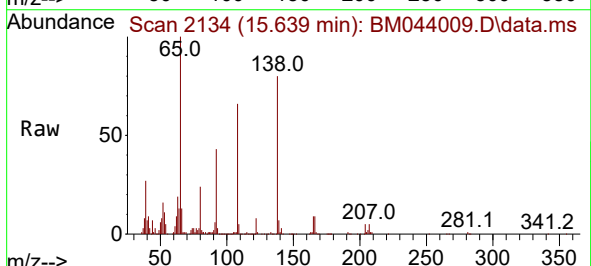
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

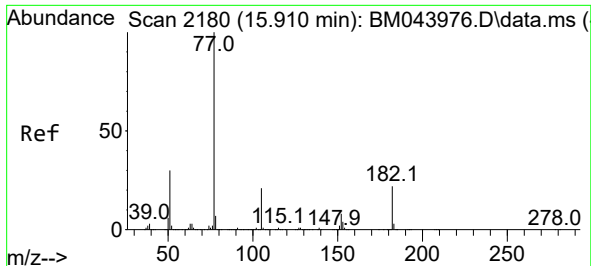
Tgt Ion:204 Resp: 411575
Ion Ratio Lower Upper
204 100
206 31.8 26.2 39.2
141 59.3 48.6 72.8



#62
4-Nitroaniline
Concen: 5.518 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:138 Resp: 196533
Ion Ratio Lower Upper
138 100
92 54.0 32.7 72.7
108 82.1 60.0 100.0

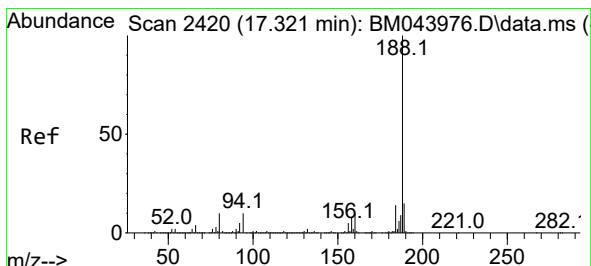
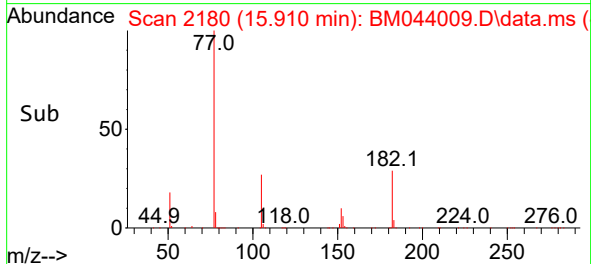
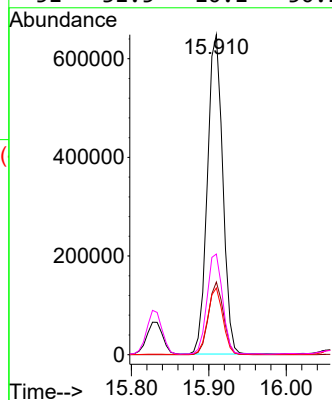
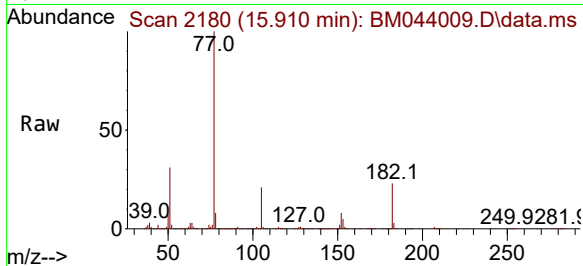




#63
Azobenzene
Concen: 6.760 ng
RT: 15.910 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

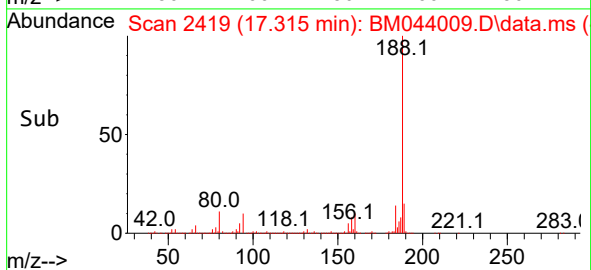
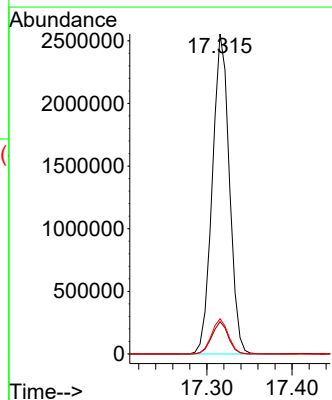
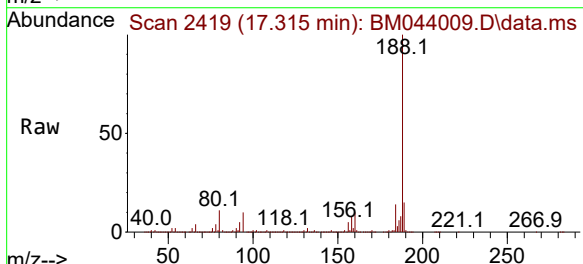
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

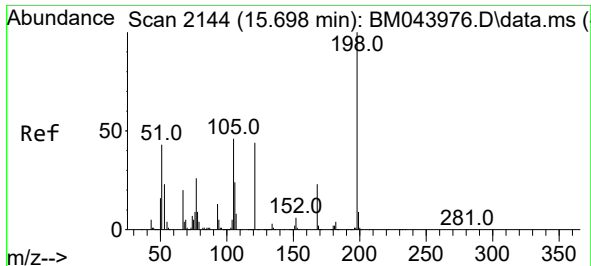
Tgt Ion: 77 Resp: 892282
Ion Ratio Lower Upper
77 100
182 22.7 2.0 42.0
105 20.9 0.5 40.5
51 31.5 10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:188 Resp: 3557678
Ion Ratio Lower Upper
188 100
94 10.1 7.7 11.5
80 11.0 8.2 12.4

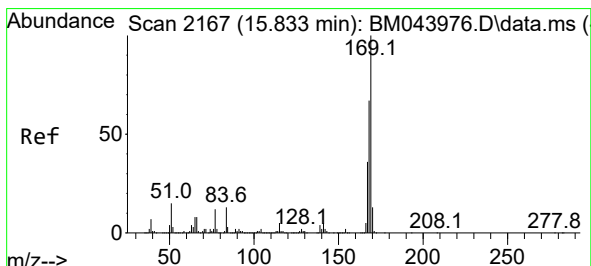
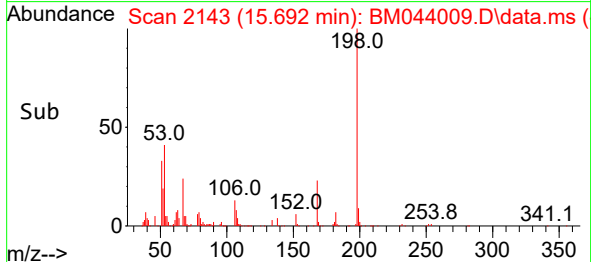
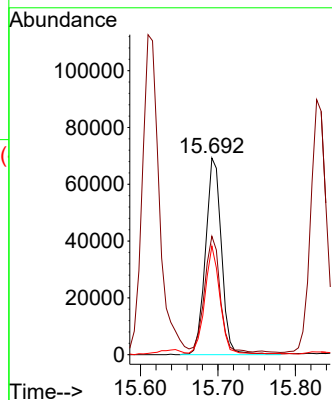
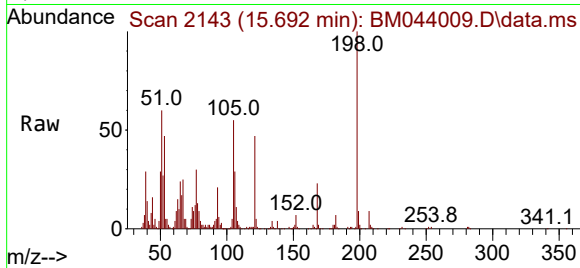




#65
4,6-Dinitro-2-methylphenol
Concen: 10.125 ng
RT: 15.692 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

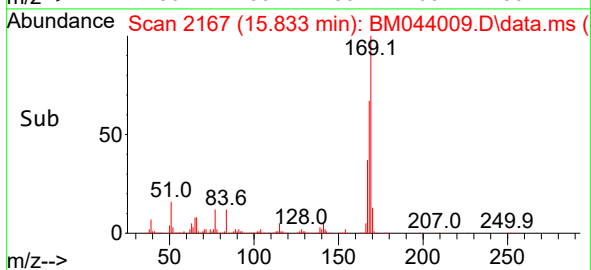
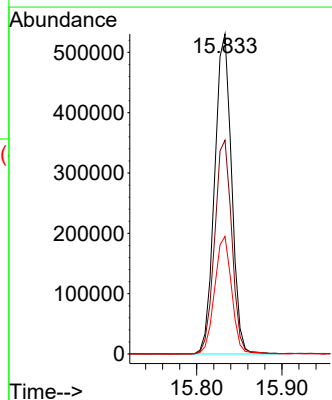
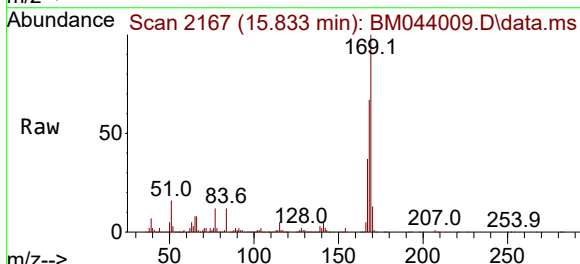
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

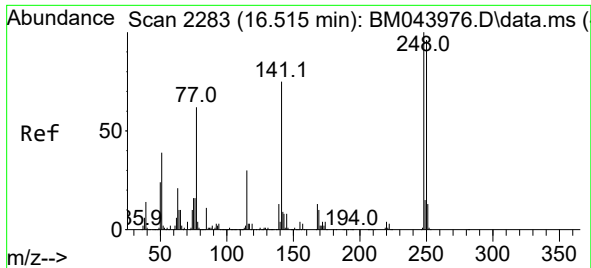
Tgt Ion:198 Resp: 99104
Ion Ratio Lower Upper
198 100
51 60.3 31.9 71.9
105 55.3 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 6.903 ng
RT: 15.833 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:169 Resp: 731595
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.2
167 36.7 29.0 43.4

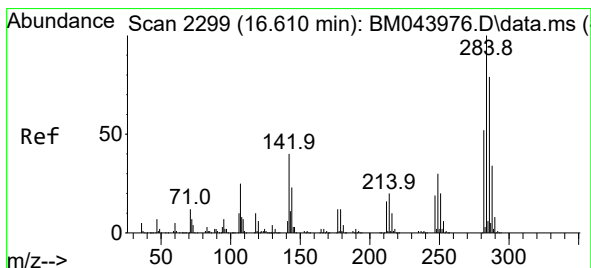
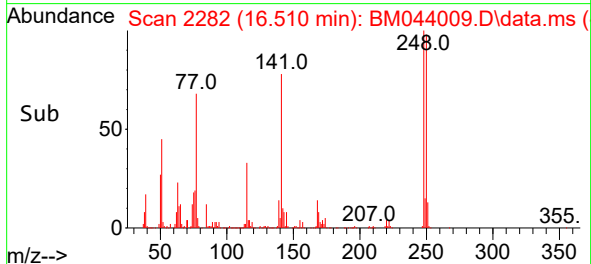
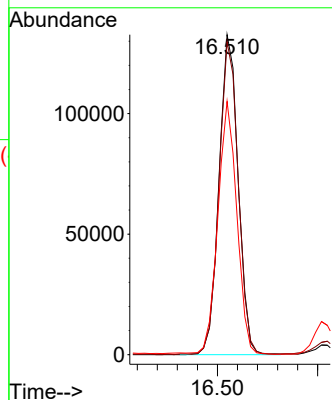
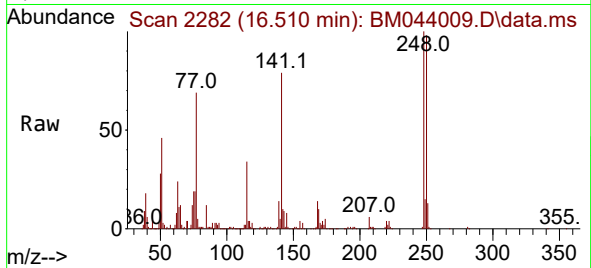




#67
4-Bromophenyl-phenylether
Concen: 5.006 ng
RT: 16.510 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

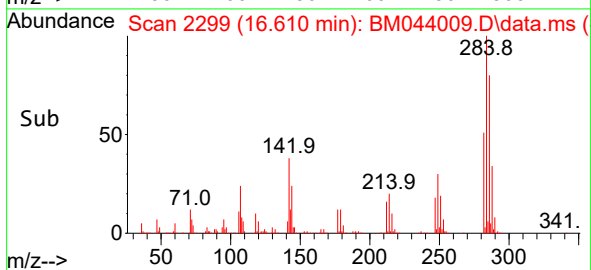
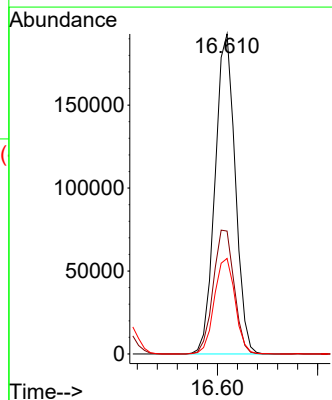
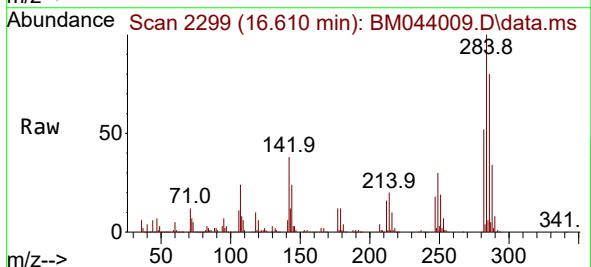
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

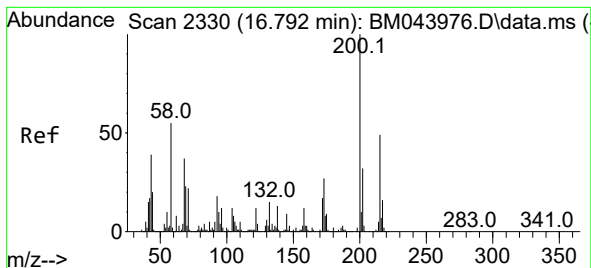
Tgt Ion:248 Resp: 175464
Ion Ratio Lower Upper
248 100
250 97.7 77.0 115.4
141 79.2 59.9 89.9



#68
Hexachlorobenzene
Concen: 6.446 ng
RT: 16.610 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:284 Resp: 269344
Ion Ratio Lower Upper
284 100
142 38.4 32.2 48.4
249 29.8 24.4 36.6





#69

Atrazine

Concen: 8.281 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

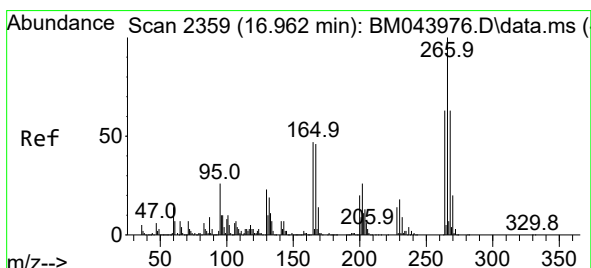
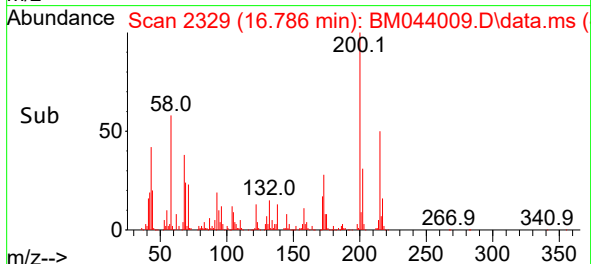
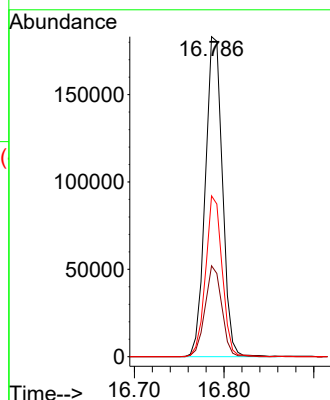
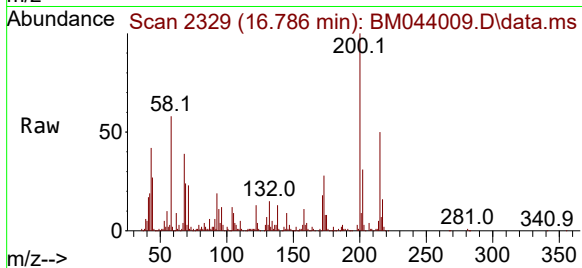
Tgt Ion:200 Resp: 242782

Ion Ratio Lower Upper

200 100

173 28.4 7.3 47.3

215 50.2 28.7 68.7



#70

Pentachlorophenol

Concen: 5.098 ng

RT: 16.957 min Scan# 2358

Delta R.T. -0.005 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

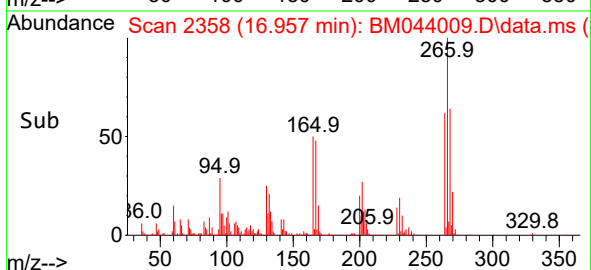
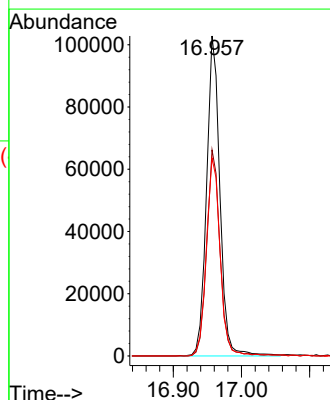
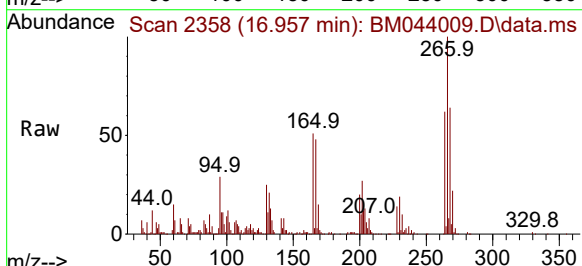
Tgt Ion:266 Resp: 139880

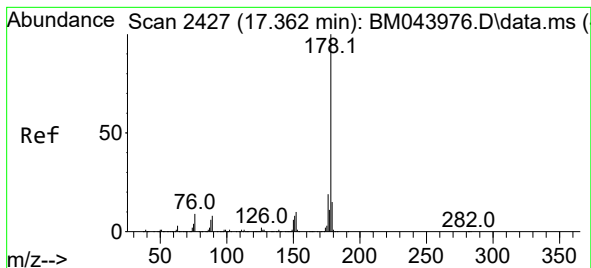
Ion Ratio Lower Upper

266 100

268 64.4 50.6 76.0

264 61.9 50.6 76.0





#71

Phenanthrene

Concen: 6.756 ng

RT: 17.357 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

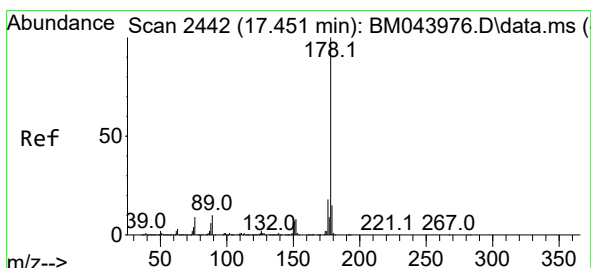
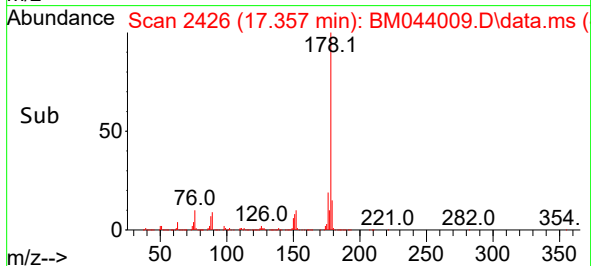
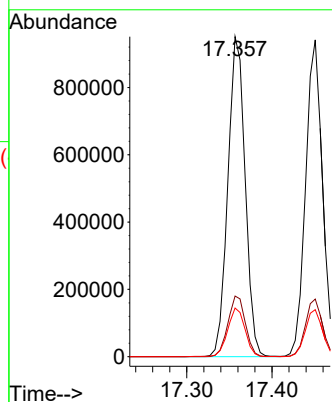
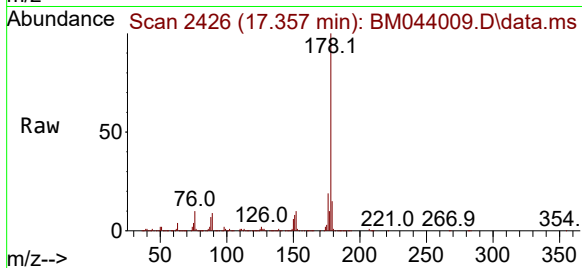
Tgt Ion:178 Resp: 1338729

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.2 12.4 18.6



#72

Anthracene

Concen: 6.759 ng

RT: 17.451 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

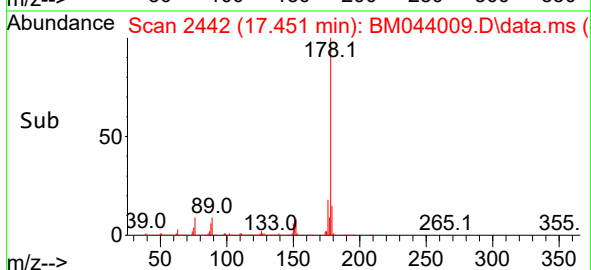
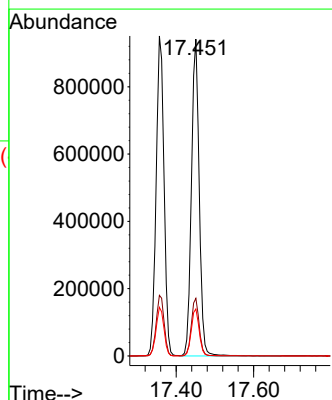
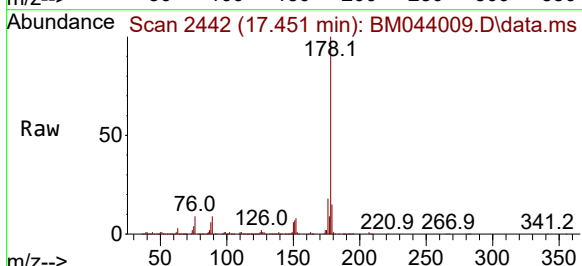
Tgt Ion:178 Resp: 1311199

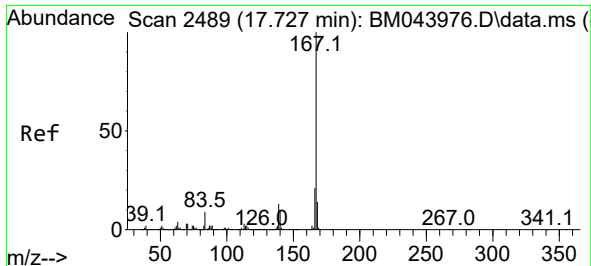
Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

179 14.8 12.2 18.4

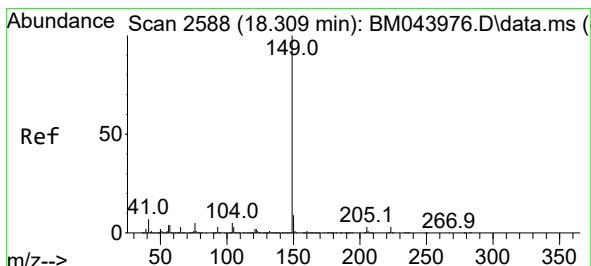
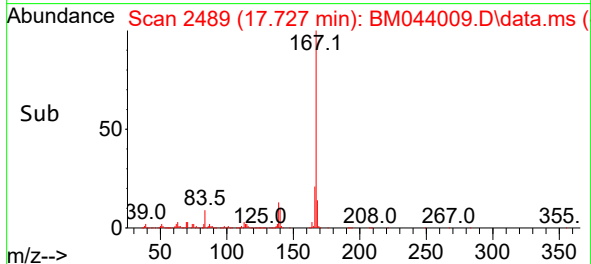
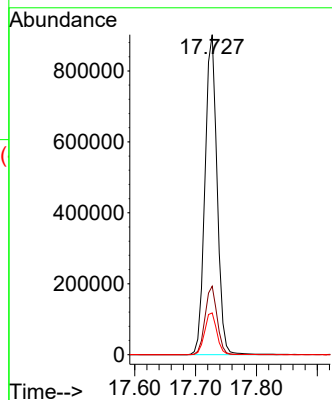
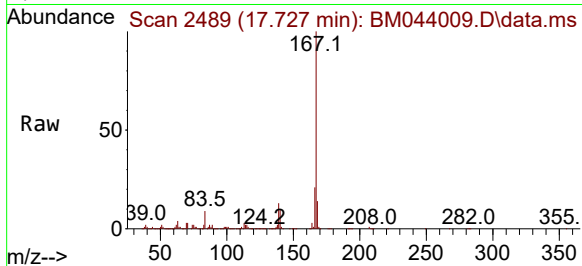




#73
 Carbazole
 Concen: 6.198 ng
 RT: 17.727 min Scan# 2489
 Delta R.T. 0.000 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

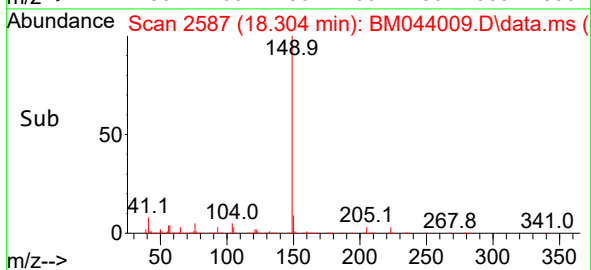
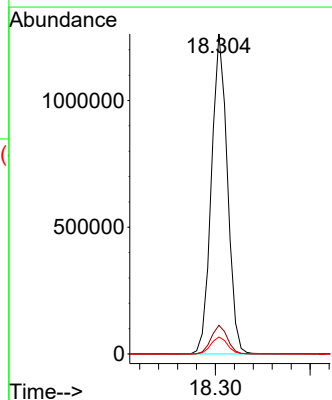
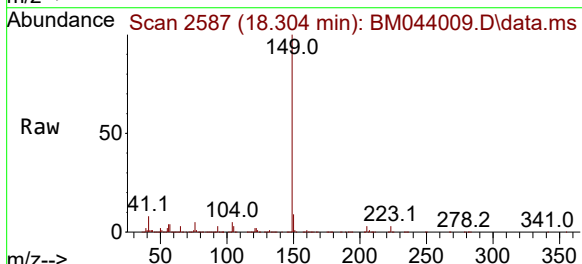
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

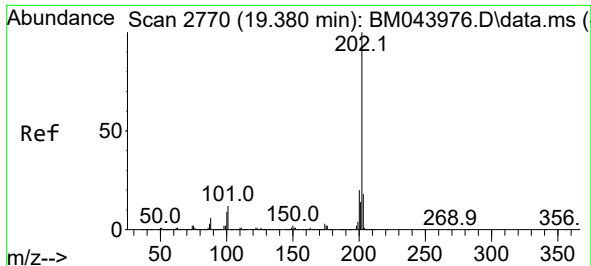
Tgt Ion:167 Resp: 1245383
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 13.1 10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 6.693 ng
 RT: 18.304 min Scan# 2587
 Delta R.T. -0.005 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

Tgt Ion:149 Resp: 1474834
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 5.3 4.1 6.1

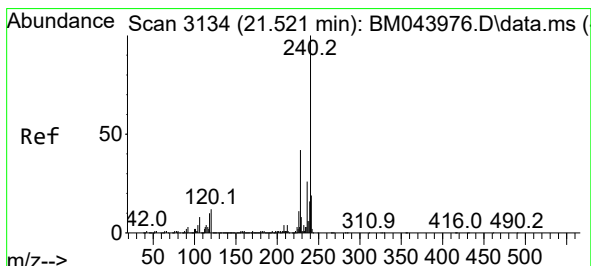
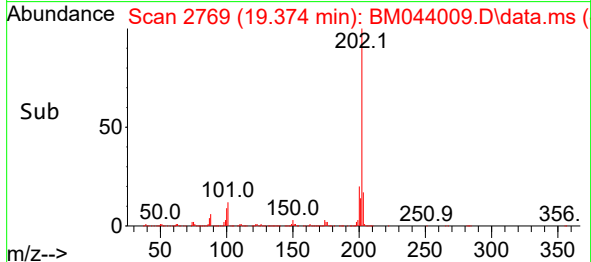
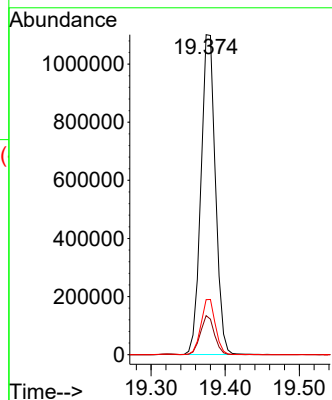
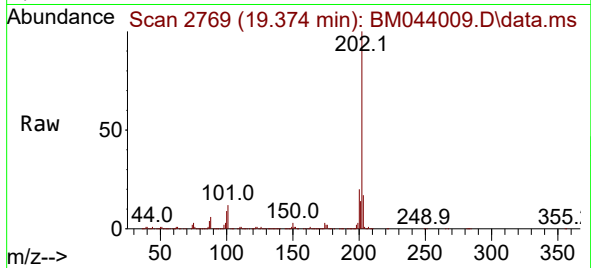




#75
Fluoranthene
Concen: 6.096 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

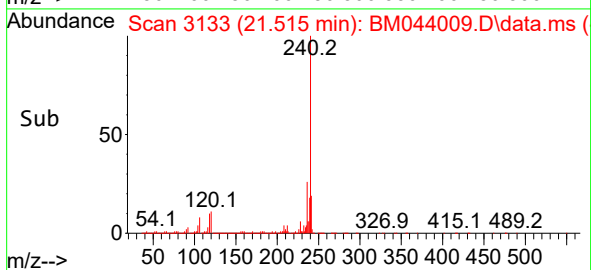
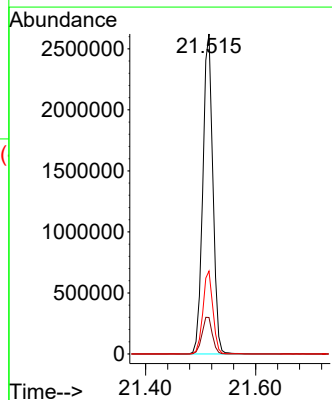
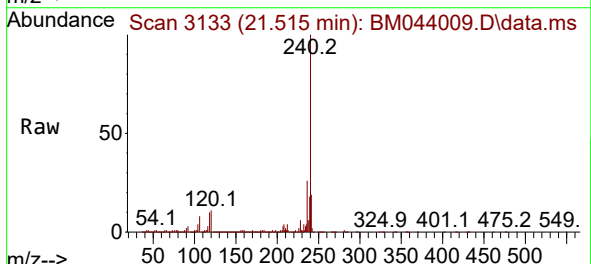
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

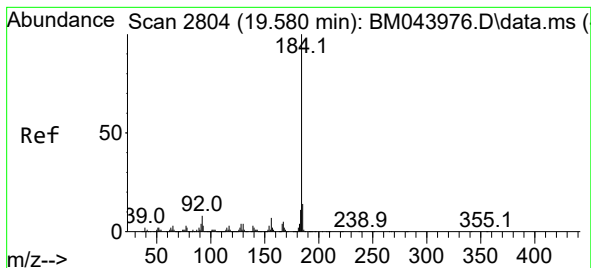
Tgt Ion:202 Resp: 1493886
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM044009.D
Acq: 07 Feb 2024 02:44

Tgt Ion:240 Resp: 3330273
Ion Ratio Lower Upper
240 100
120 11.4 9.3 13.9
236 25.9 20.5 30.7





#77

Benzidine

Concen: 13.908 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

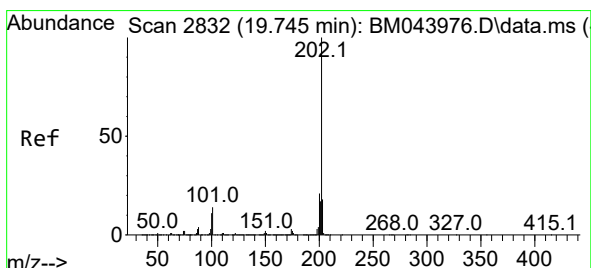
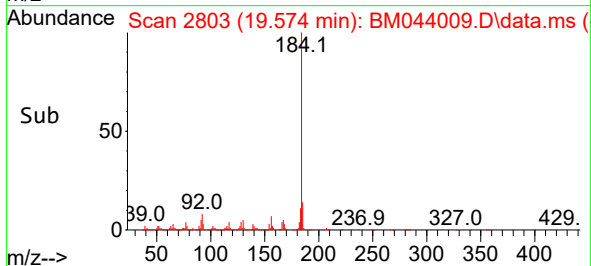
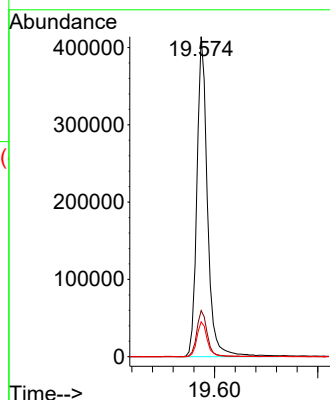
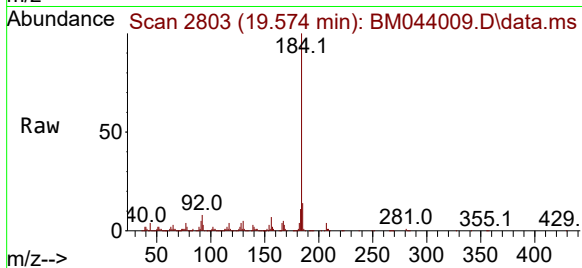
Tgt Ion:184 Resp: 587673

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

183 10.9 8.9 13.3



#78

Pyrene

Concen: 6.880 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

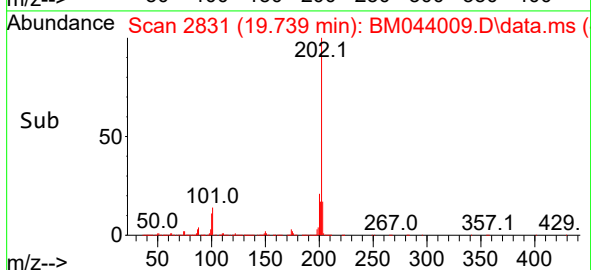
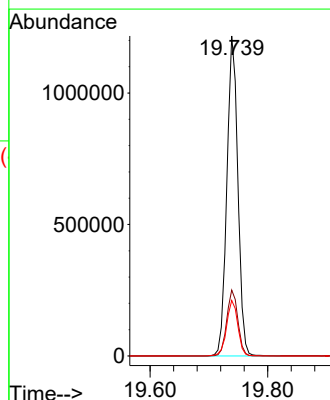
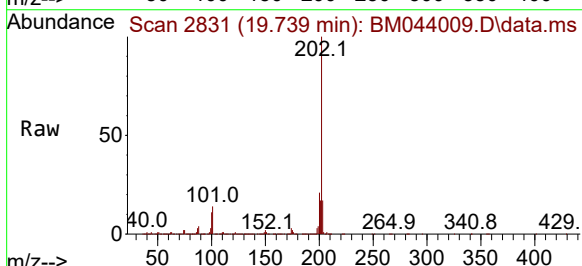
Tgt Ion:202 Resp: 1574919

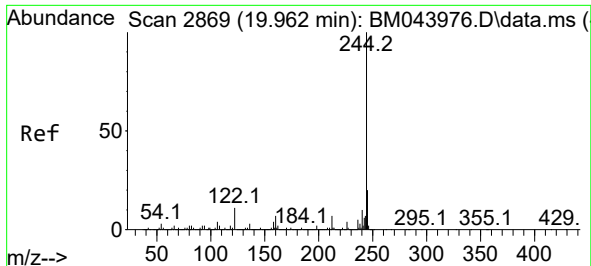
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 17.3 14.2 21.4

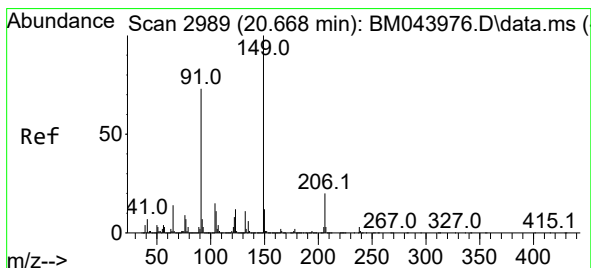
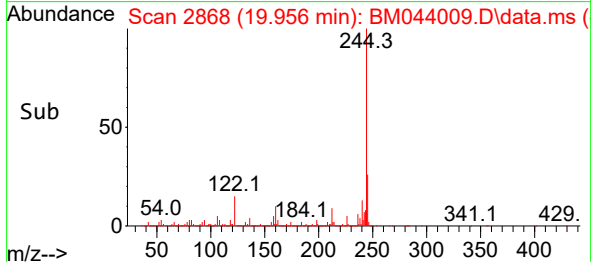
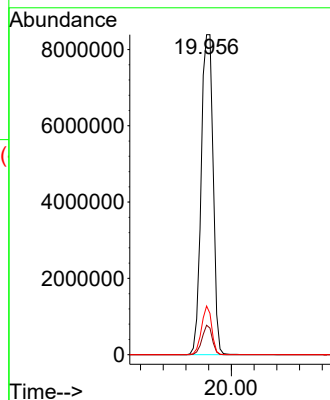
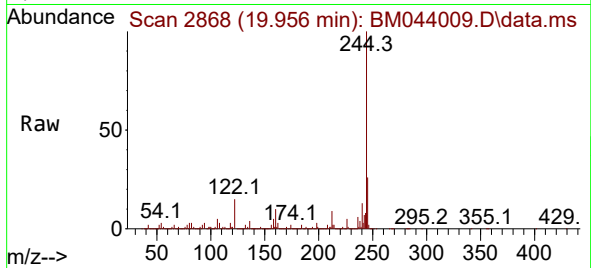




#79
 Terphenyl-d14
 Concen: 70.829 ng
 RT: 19.956 min Scan# 2868
 Delta R.T. -0.006 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

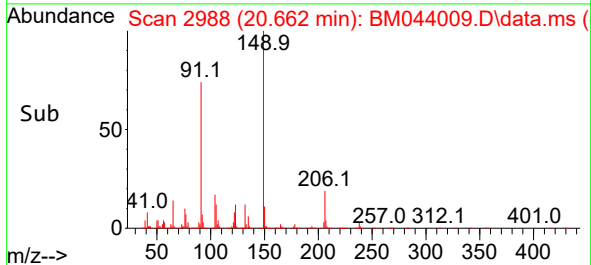
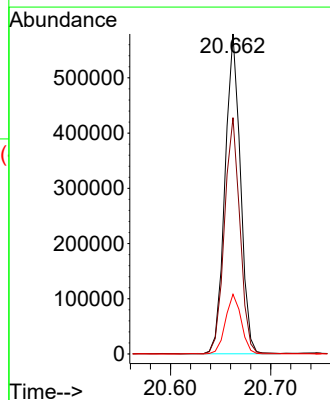
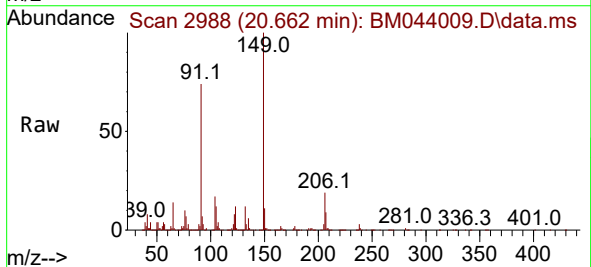
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

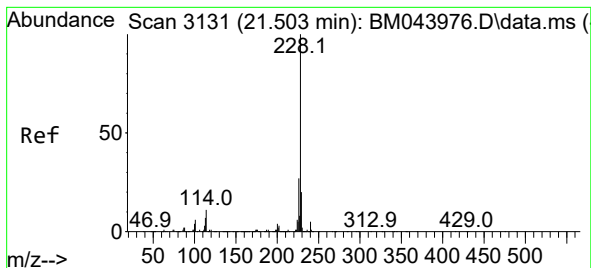
Tgt Ion:244 Resp:12219112
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.5 8.3#
 122 15.2 8.7 13.1#



#80
 Butylbenzylphthalate
 Concen: 6.796 ng
 RT: 20.662 min Scan# 2988
 Delta R.T. -0.006 min
 Lab File: BM044009.D
 Acq: 07 Feb 2024 02:44

Tgt Ion:149 Resp: 616000
 Ion Ratio Lower Upper
 149 100
 91 73.8 58.4 87.6
 206 18.6 15.8 23.6





#81

Benzo(a)anthracene

Concen: 6.891 ng

RT: 21.498 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

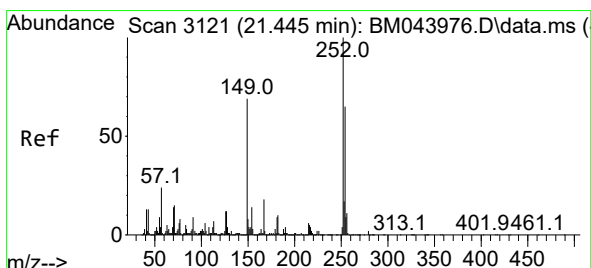
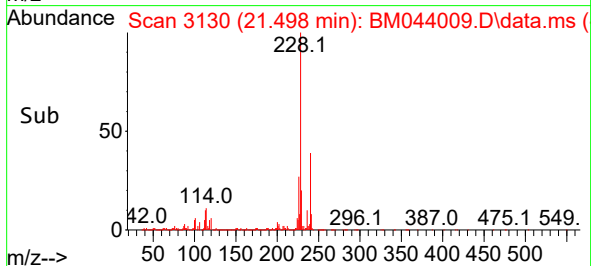
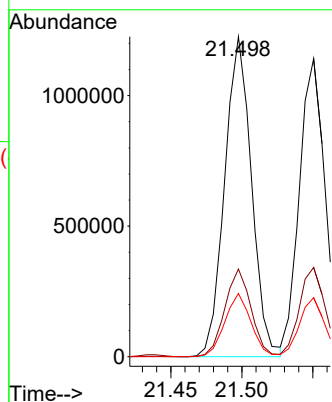
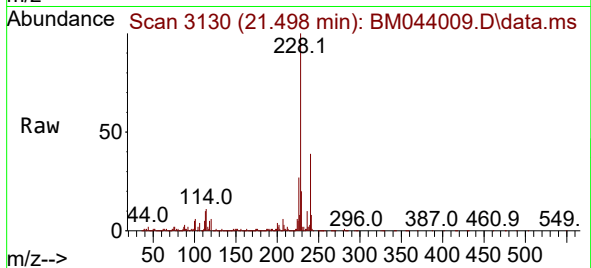
Tgt Ion:228 Resp: 1610102

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 19.7 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 6.735 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

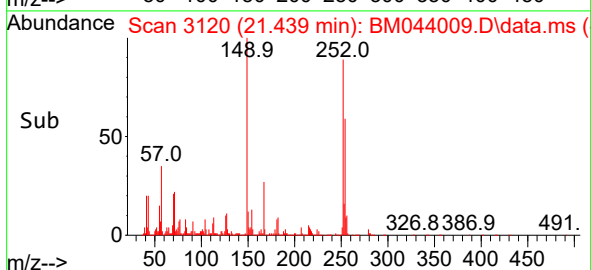
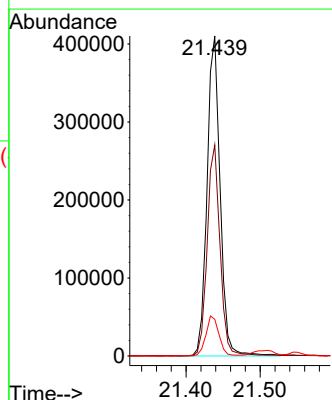
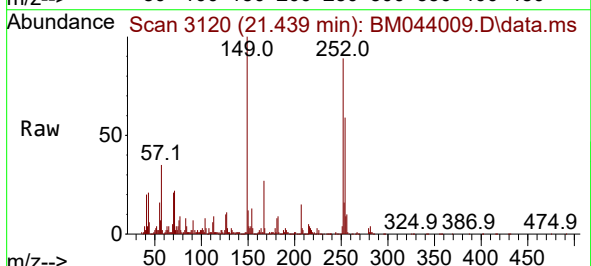
Tgt Ion:252 Resp: 503124

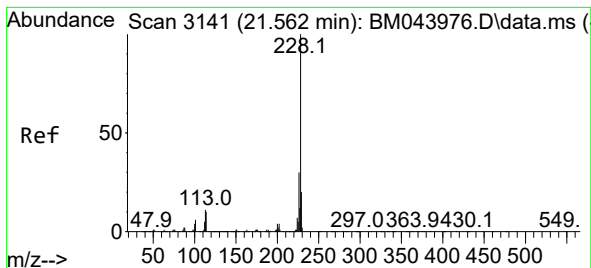
Ion Ratio Lower Upper

252 100

254 65.9 51.6 77.4

126 11.4 9.4 14.2





#83

Chrysene

Concen: 6.460 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

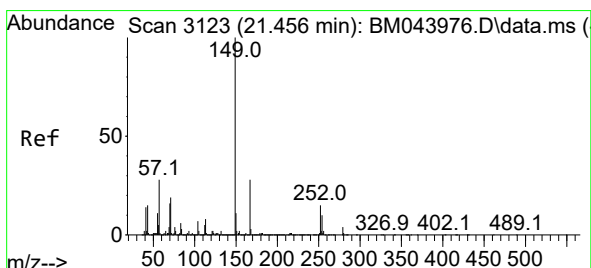
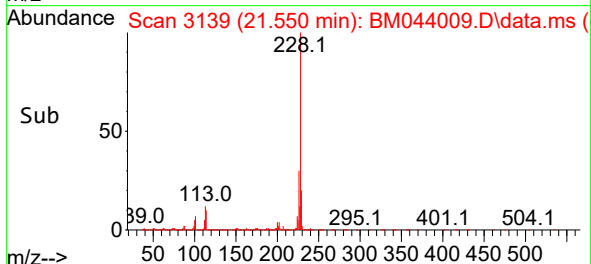
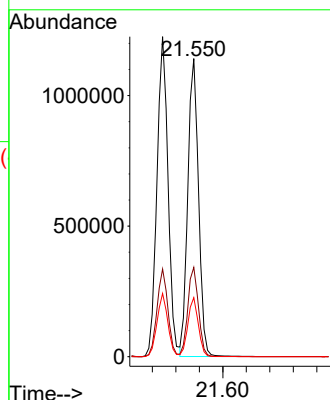
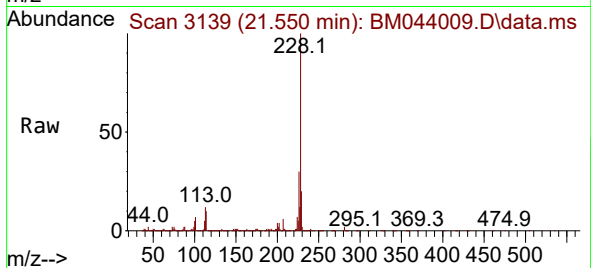
Tgt Ion:228 Resp: 1446027

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

229 19.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.309 ng

RT: 21.445 min Scan# 3121

Delta R.T. -0.012 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

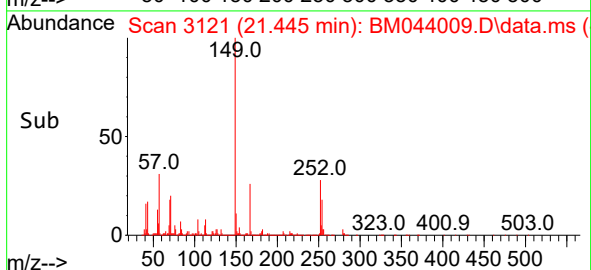
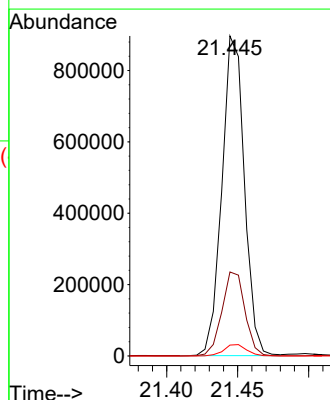
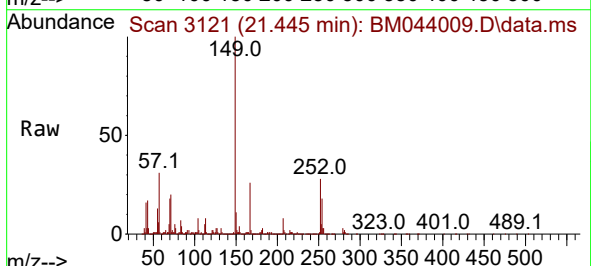
Tgt Ion:149 Resp: 985249

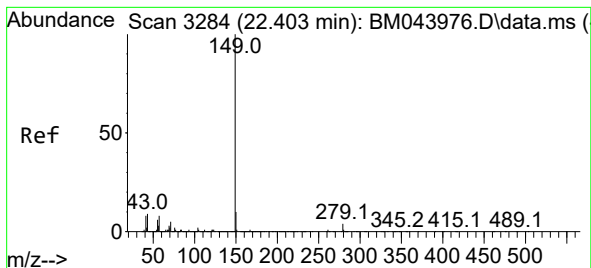
Ion Ratio Lower Upper

149 100

167 26.3 22.0 33.0

279 3.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 6.698 ng

RT: 22.392 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

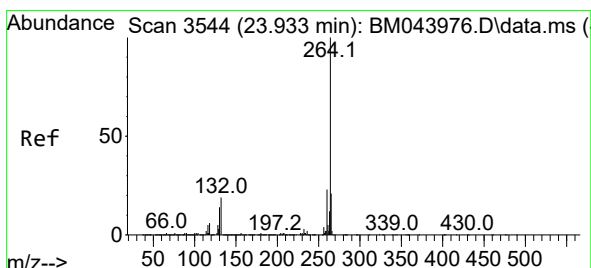
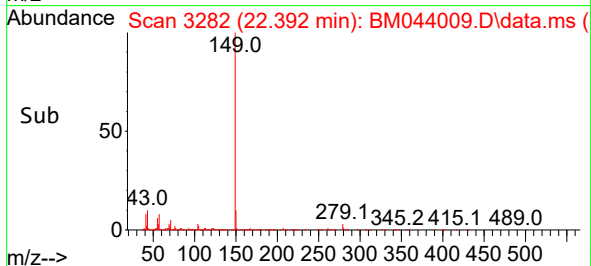
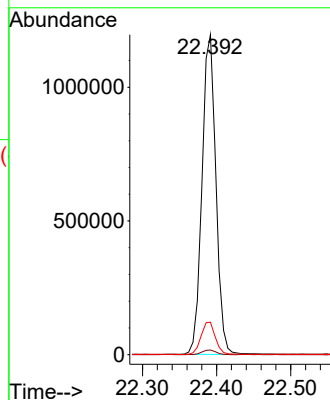
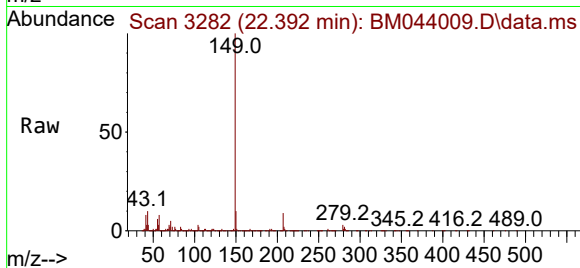
Tgt Ion:149 Resp: 1555335

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.5 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: BM044009.D

Acq: 07 Feb 2024 02:44

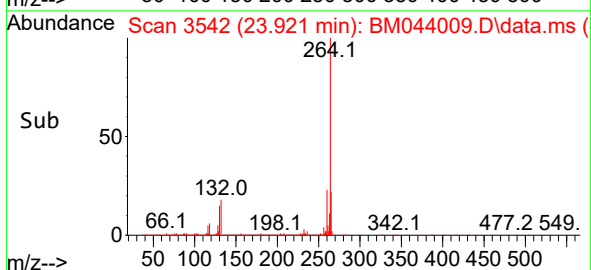
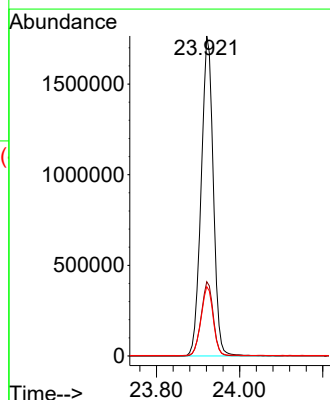
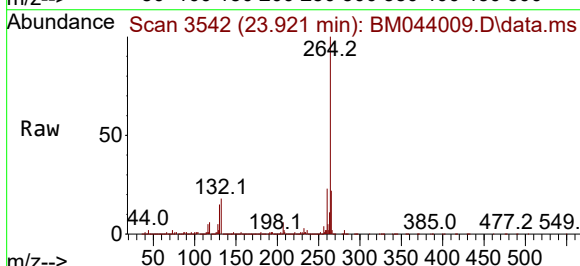
Tgt Ion:264 Resp: 3574450

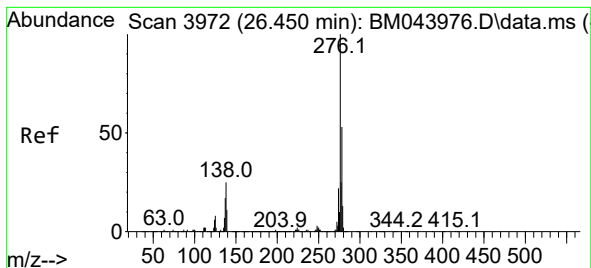
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.831 ng

RT: 26.415 min Scan# 3972

Delta R.T. -0.035 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

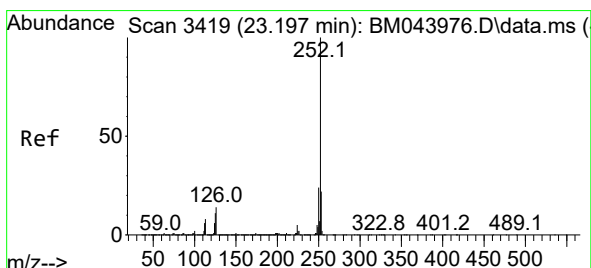
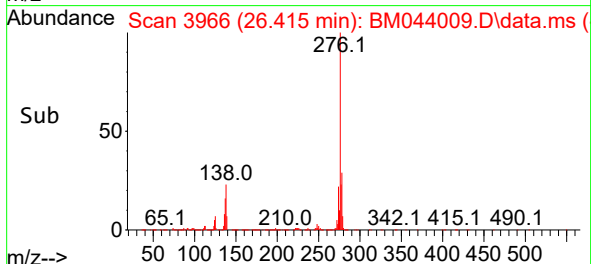
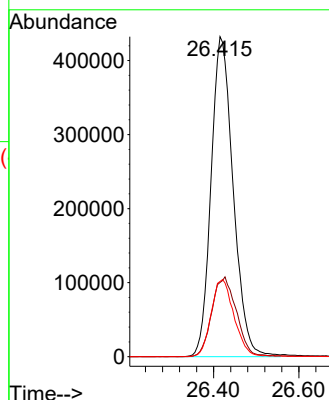
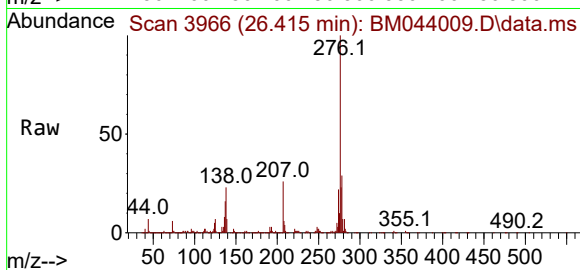
Tgt Ion:276 Resp: 1559641

Ion Ratio Lower Upper

276 100

138 27.8 21.8 32.6

277 25.1 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 6.547 ng

RT: 23.186 min Scan# 3417

Delta R.T. -0.012 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

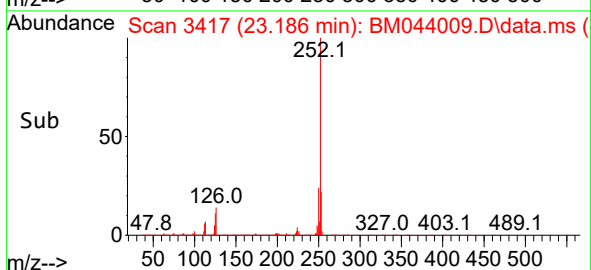
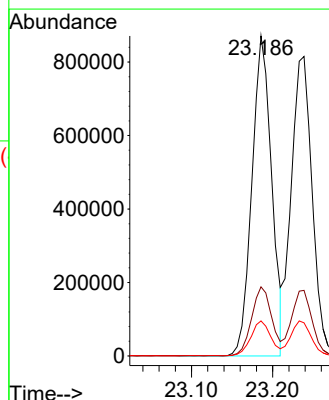
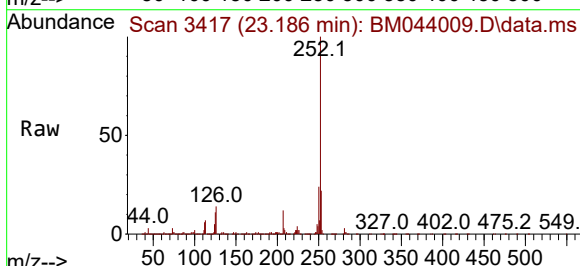
Tgt Ion:252 Resp: 1472066

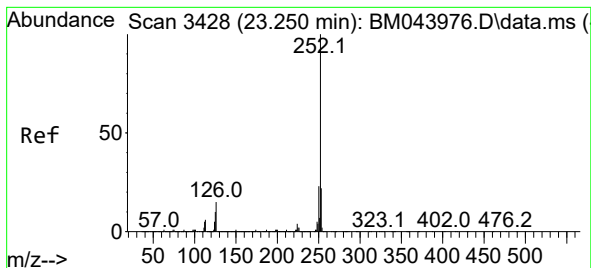
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 11.0 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 6.790 ng

RT: 23.239 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

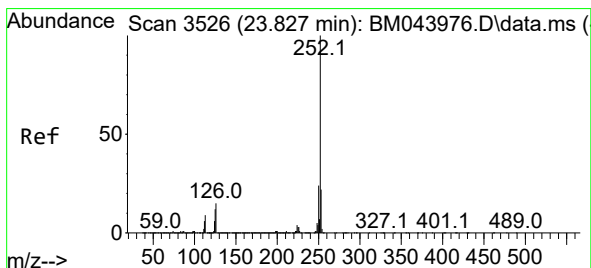
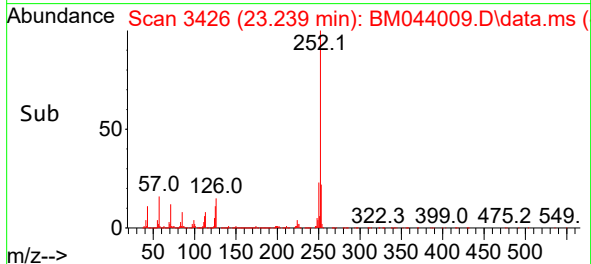
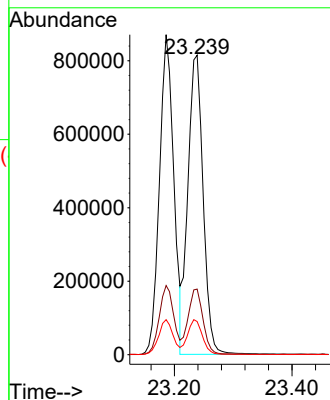
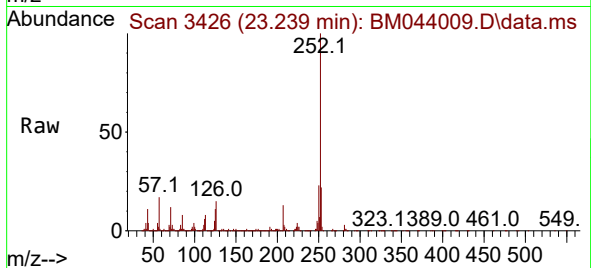
Tgt Ion:252 Resp: 1464610

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 11.1 8.3 12.5



#90

Benzo(a)pyrene

Concen: 6.257 ng

RT: 23.809 min Scan# 3523

Delta R.T. -0.018 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

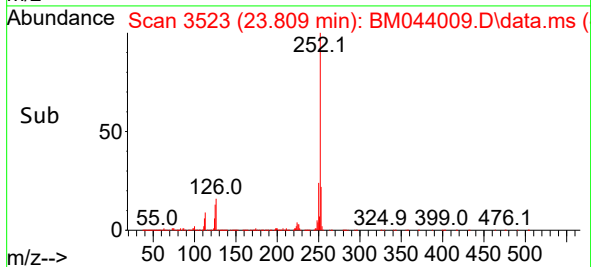
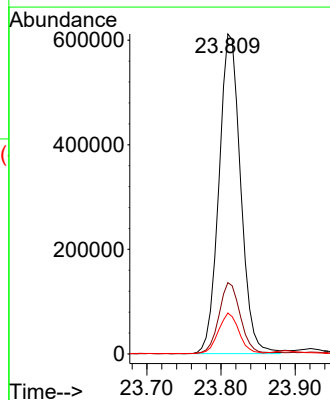
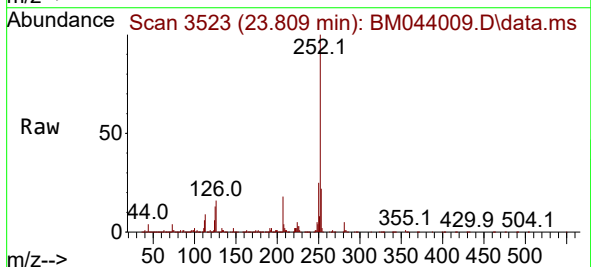
Tgt Ion:252 Resp: 1243463

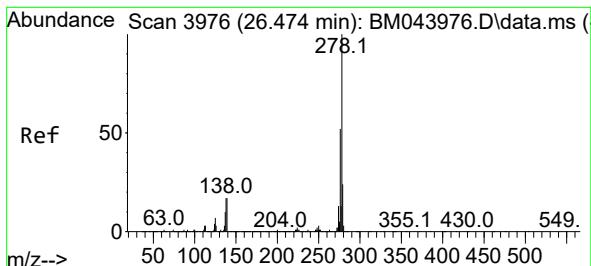
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 12.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 5.875 ng

RT: 26.444 min Scan# 3976

Delta R.T. -0.029 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

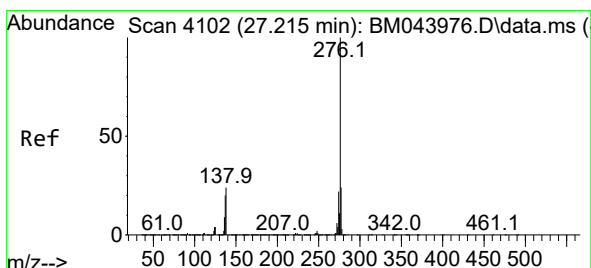
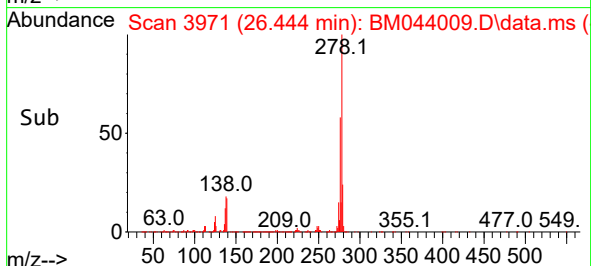
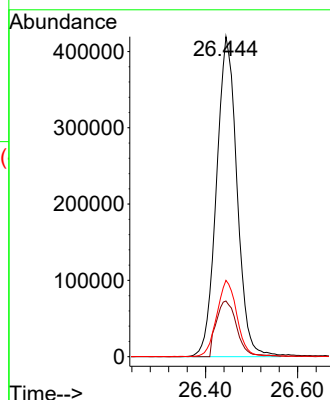
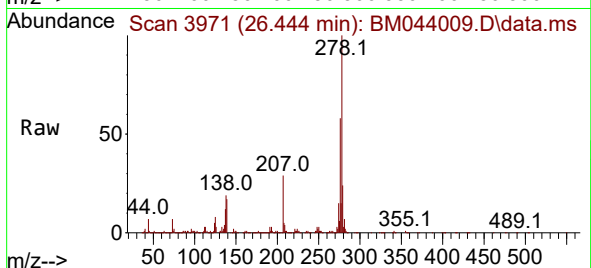
Tgt Ion:278 Resp: 1295825

Ion Ratio Lower Upper

278 100

139 17.4 13.7 20.5

279 23.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 5.485 ng

RT: 27.180 min Scan# 4096

Delta R.T. -0.035 min

Lab File: BM044009.D

Acq: 07 Feb 2024 02:44

Tgt Ion:276 Resp: 1234080

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 24.1 18.8 28.2

