

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031723\
 Data File : BM039031.D
 Acq On : 17 Mar 2023 12:05
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL10ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 18 01:43:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	440659	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	1893622	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	1148847	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	2350189	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1901917	20.000	ng	0.00
86) Perylene-d12	23.980	264	1880868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2282598	78.699	ng	0.00
7) Phenol-d6	7.134	99	3092929	82.098	ng	0.00
23) Nitrobenzene-d5	9.145	82	2243496	58.197	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	1038052	78.106	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4664882	52.859	ng	0.00
79) Terphenyl-d14	19.980	244	6148210	59.103	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	85377	6.617	ng	98
3) Pyridine	3.805	79	298834	8.351	ng	98
4) n-Nitrosodimethylamine	3.710	42	140753	9.666	ng	# 98
6) Aniline	7.298	93	484985	9.804	ng	97
8) 2-Chlorophenol	7.534	128	302405	9.793	ng	100
9) Benzaldehyde	7.110	77	204647	11.415	ng	100
10) Phenol	7.157	94	396794	9.918	ng	99
11) bis(2-Chloroethyl)ether	7.398	93	327303	10.062	ng	99
12) 1,3-Dichlorobenzene	7.863	146	317708	9.682	ng	100
13) 1,4-Dichlorobenzene	8.010	146	322660	9.668	ng	100
14) 1,2-Dichlorobenzene	8.328	146	316855	9.856	ng	99
15) Benzyl Alcohol	8.216	79	276503	10.240	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.510	45	460753	11.216	ng	99
17) 2-Methylphenol	8.416	107	257737	9.378	ng	99
18) Hexachloroethane	9.063	117	132939	10.796	ng	98
19) n-Nitroso-di-n-propyla...	8.787	70	267465	11.271	ng	97
20) 3+4-Methylphenols	8.745	107	346769	9.450	ng	99
22) Acetophenone	8.804	105	357683	6.732	ng	# 99
24) Nitrobenzene	9.187	77	386792	9.546	ng	98
25) Isophorone	9.710	82	728208	10.265	ng	99
26) 2-Nitrophenol	9.898	139	150223	10.864	ng	98
27) 2,4-Dimethylphenol	9.957	122	291990	9.446	ng	97
28) bis(2-Chloroethoxy)met...	10.198	93	440271	9.659	ng	99
29) 2,4-Dichlorophenol	10.428	162	260320	8.883	ng	99
30) 1,2,4-Trichlorobenzene	10.651	180	281460	8.789	ng	100
31) Naphthalene	10.839	128	973099	9.012	ng	99
32) Benzoic acid	10.034	122	131003	10.819	ng	98
33) 4-Chloroaniline	10.945	127	414151	9.000	ng	98
34) Hexachlorobutadiene	11.128	225	164482	8.956	ng	98
35) Caprolactam	11.722	113	84282	9.449	ng	94
36) 4-Chloro-3-methylphenol	12.063	107	299971	9.613	ng	97
37) 2-Methylnaphthalene	12.445	142	655800	9.061	ng	99
38) 1-Methylnaphthalene	12.663	142	616890	9.096	ng	100
40) 1,2,4,5-Tetrachloroben...	12.810	216	214678	5.748	ng	99
41) Hexachlorocyclopentadiene	12.792	237	222991	10.877	ng	97
43) 2,4,6-Trichlorophenol	13.051	196	201448	8.329	ng	97

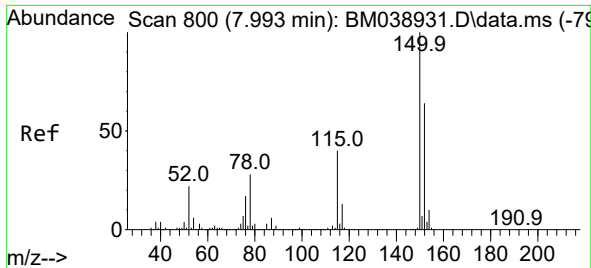
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 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	215637	7.617	ng	98
46) 1,1'-Biphenyl	13.451	154	624087	6.412	ng	99
47) 2-Chloronaphthalene	13.492	162	652477	8.890	ng	99
48) 2-Nitroaniline	13.692	65	192282	10.021	ng	94
49) Acenaphthylene	14.339	152	1027981	8.794	ng	100
50) Dimethylphthalate	14.074	163	812756	9.194	ng	99
51) 2,6-Dinitrotoluene	14.186	165	161250	9.508	ng	89
52) Acenaphthene	14.680	154	648161	9.022	ng	100
53) 3-Nitroaniline	14.516	138	178069	9.123	ng	98
54) 2,4-Dinitrophenol	14.721	184	87423	12.466	ng	100
55) Dibenzofuran	15.010	168	1021029	9.082	ng	98
56) 4-Nitrophenol	14.816	139	192684	10.975	ng	98
57) 2,4-Dinitrotoluene	14.974	165	210243	9.890	ng	94
58) Fluorene	15.663	166	838070	9.516	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.233	232	195937	8.975	ng	98
60) Diethylphthalate	15.433	149	843134	9.802	ng	100
61) 4-Chlorophenyl-phenyle...	15.657	204	406222	9.389	ng	97
62) 4-Nitroaniline	15.674	138	181469	9.265	ng	93
63) Azobenzene	15.945	77	896121	9.846	ng	98
65) 4,6-Dinitro-2-methylph...	15.733	198	119041	11.979	ng	90
66) n-Nitrosodiphenylamine	15.868	169	683313	8.624	ng	99
67) 4-Bromophenyl-phenylether	16.551	248	242379	9.548	ng	96
68) Hexachlorobenzene	16.662	284	272786	9.613	ng	97
69) Atrazine	16.815	200	157005	7.255	ng	98
70) Pentachlorophenol	17.004	266	191738	9.187	ng	99
71) Phenanthrene	17.404	178	1349147	9.781	ng	99
72) Anthracene	17.492	178	1457738	10.597	ng	99
73) Carbazole	17.762	167	1170263	9.322	ng	99
74) Di-n-butylphthalate	18.327	149	1572325	11.682	ng	100
75) Fluoranthene	19.415	202	1539041	10.568	ng	99
77) Benzidine	19.598	184	381522	12.783	ng	99
78) Pyrene	19.774	202	1614248	11.300	ng	99
80) Butylbenzylphthalate	20.674	149	597918	12.480	ng	97
81) Benzo(a)anthracene	21.521	228	1423906	10.396	ng	100
82) 3,3'-Dichlorobenzidine	21.456	252	304520	7.234	ng	99
83) Chrysene	21.574	228	1310747	9.840	ng	100
84) Bis(2-ethylhexyl)phtha...	21.450	149	850852	11.672	ng	99
85) Di-n-octyl phthalate	22.392	149	1381227	12.524	ng	98
87) Indeno(1,2,3-cd)pyrene	26.515	276	1354010	9.461	ng	98
88) Benzo(b)fluoranthene	23.233	252	1282103	10.670	ng	99
89) Benzo(k)fluoranthene	23.280	252	1264135	10.109	ng	99
90) Benzo(a)pyrene	23.868	252	1099591	9.508	ng	99
91) Dibenzo(a,h)anthracene	26.532	278	1138348	9.392	ng	98
92) Benzo(g,h,i)perylene	27.291	276	1066764	8.996	ng	98

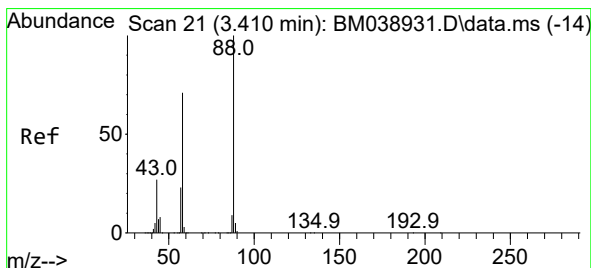
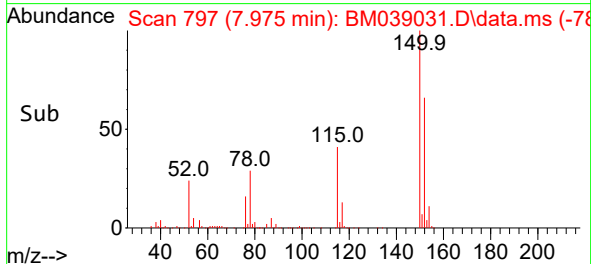
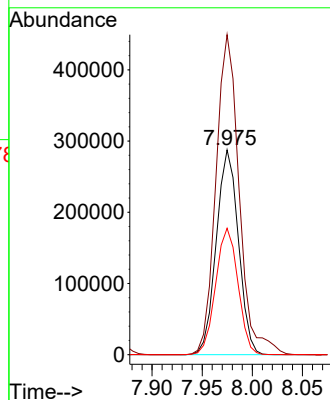
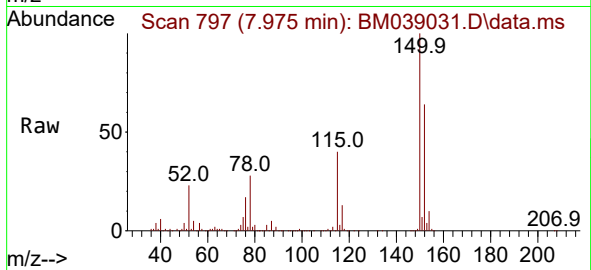
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

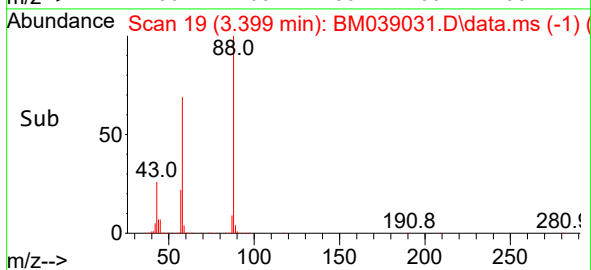
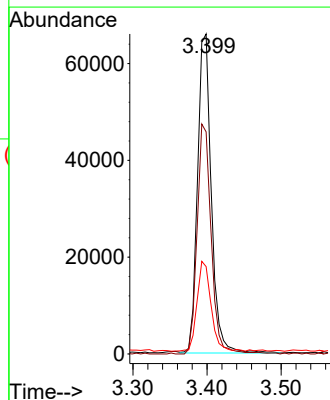
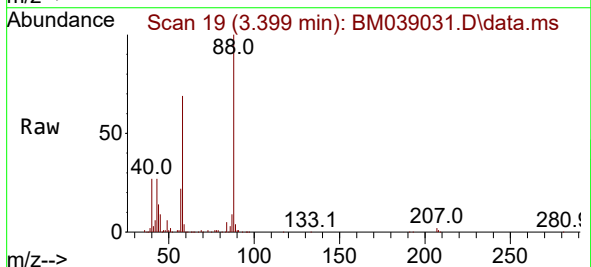
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BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

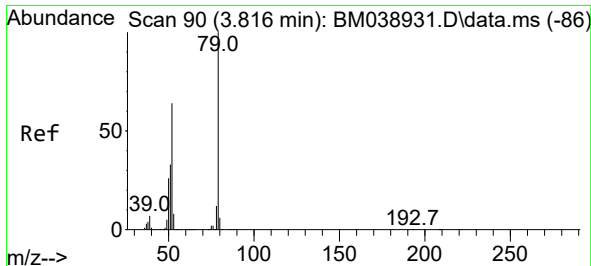
Tgt Ion:152 Resp: 440659
Ion Ratio Lower Upper
152 100
150 156.3 125.1 187.7
115 61.7 49.6 74.4



#2
1,4-Dioxane
Concen: 6.617 ng
RT: 3.399 min Scan# 19
Delta R.T. 0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 88 Resp: 85377
Ion Ratio Lower Upper
88 100
58 73.6 57.2 85.8
43 28.5 22.0 33.0





#3

Pyridine

Concen: 8.351 ng

RT: 3.805 min Scan# 81

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

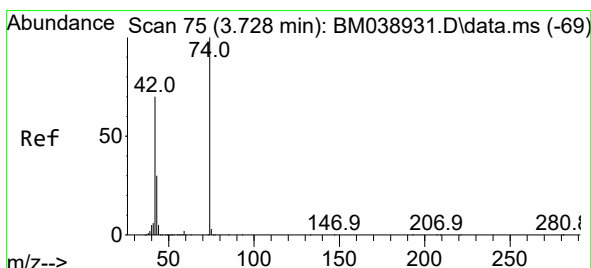
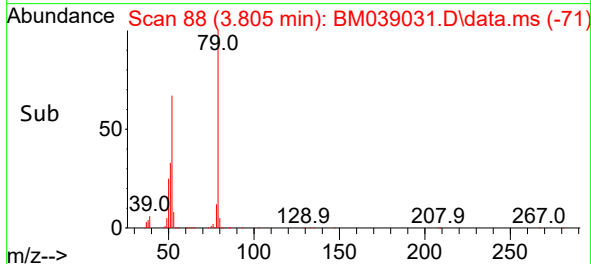
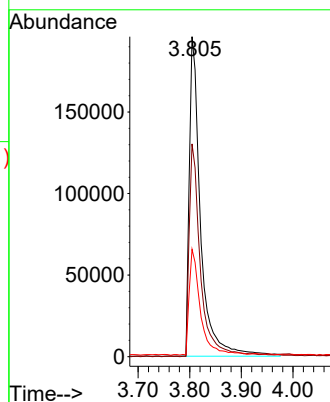
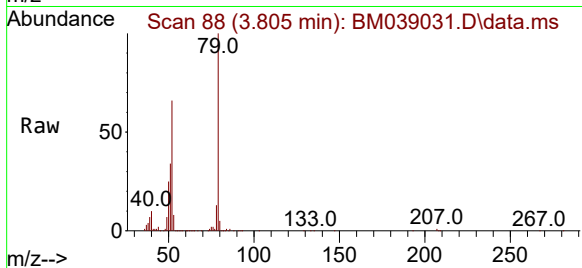
Tgt Ion: 79 Resp: 298834

Ion Ratio Lower Upper

79 100

52 66.5 51.4 77.2

51 33.6 26.6 40.0



#4

n-Nitrosodimethylamine

Concen: 9.666 ng

RT: 3.710 min Scan# 72

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

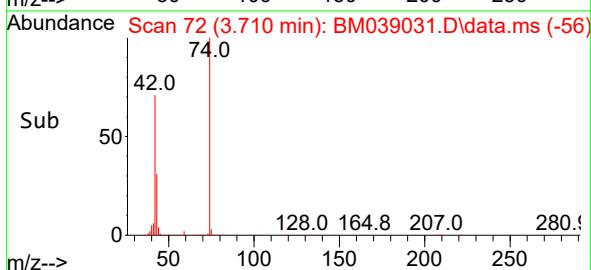
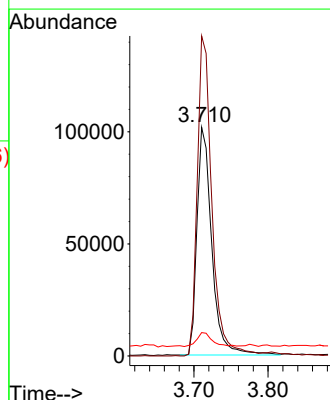
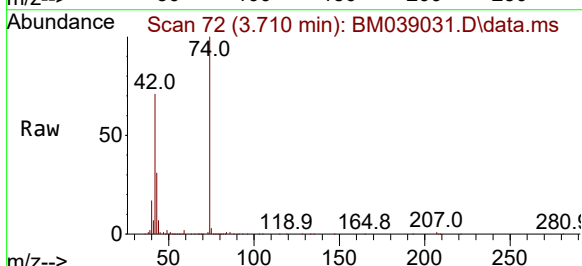
Tgt Ion: 42 Resp: 140753

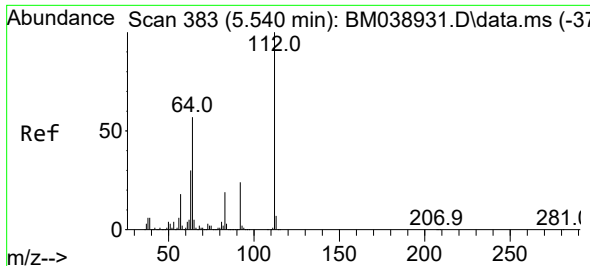
Ion Ratio Lower Upper

42 100

74 139.9 113.8 170.8

44 10.2 6.2 9.2

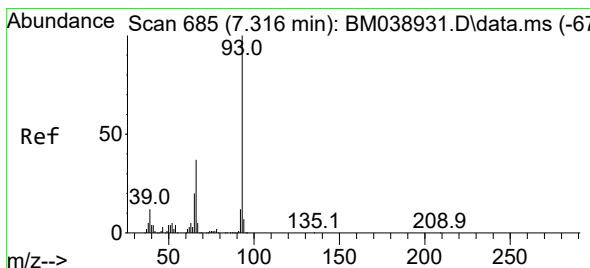
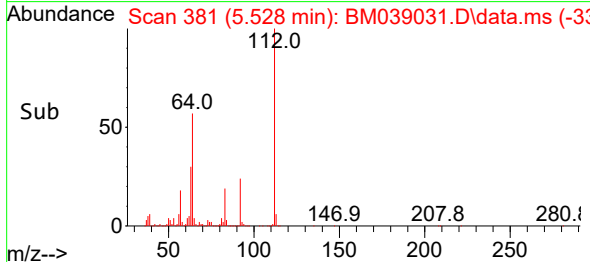
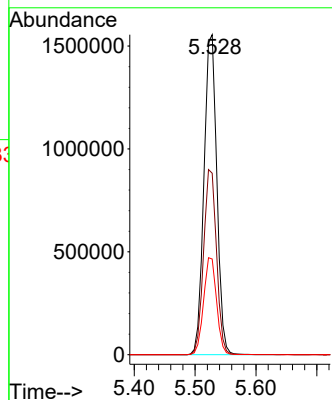
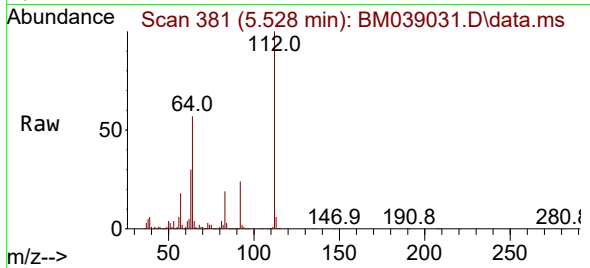




#5
2-Fluorophenol
Concen: 78.699 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

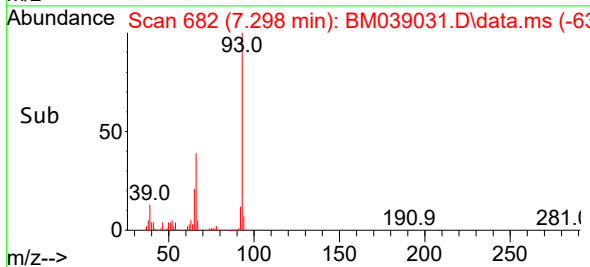
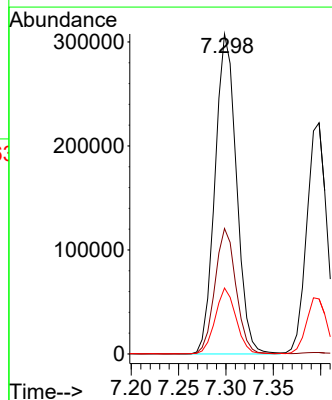
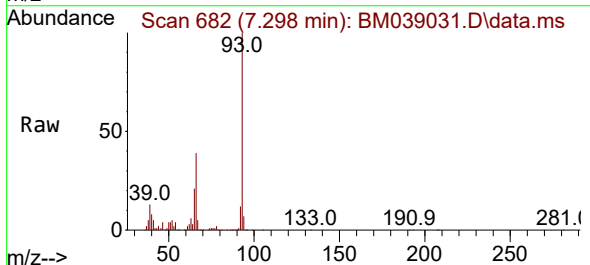
Instrument :
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ClientSampleId :
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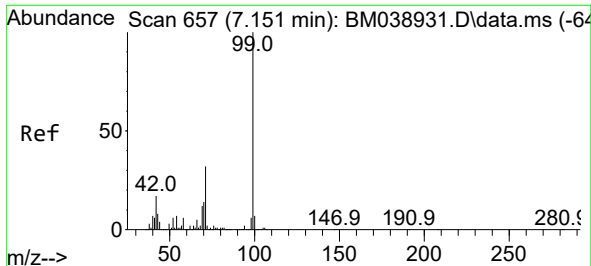
Tgt Ion:112 Resp: 2282598
Ion Ratio Lower Upper
112 100
64 56.7 45.9 68.9
63 29.9 23.8 35.8



#6
Aniline
Concen: 9.804 ng
RT: 7.298 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 93 Resp: 484985
Ion Ratio Lower Upper
93 100
66 39.2 30.0 45.0
65 20.6 15.8 23.6

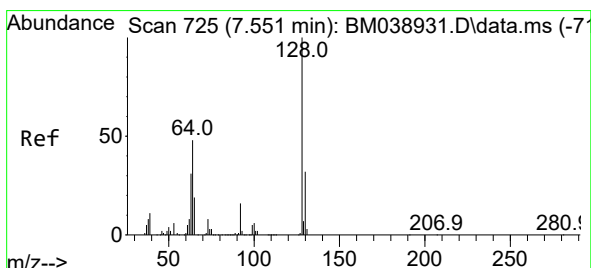
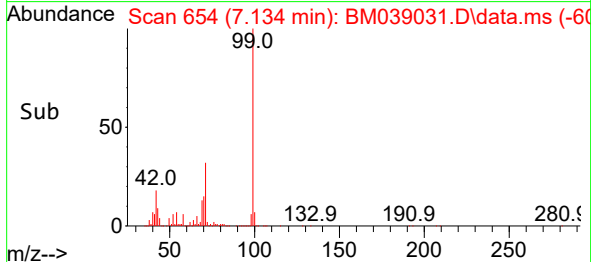
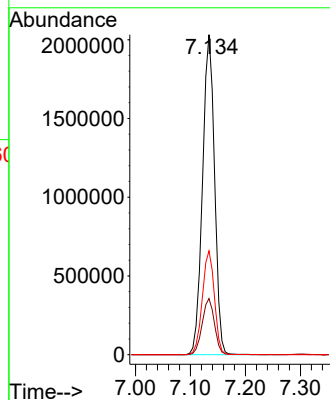
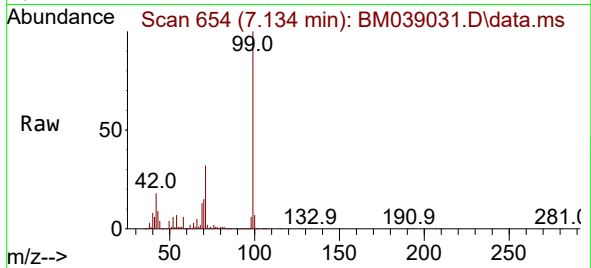




#7
Phenol-d6
Concen: 82.098 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

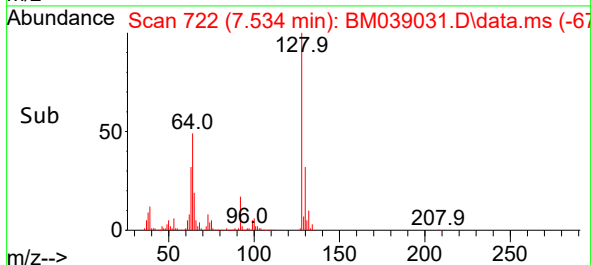
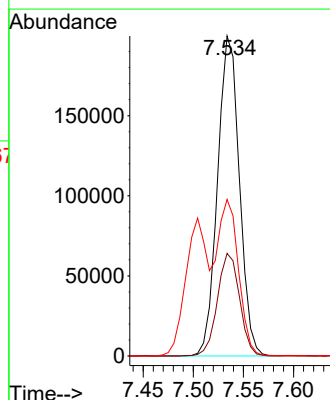
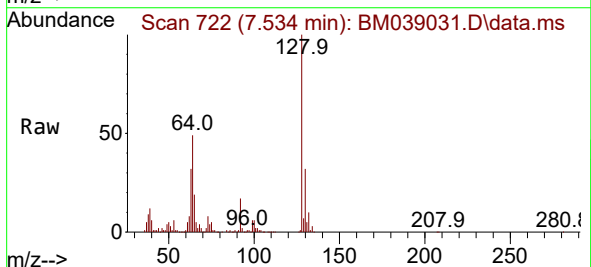
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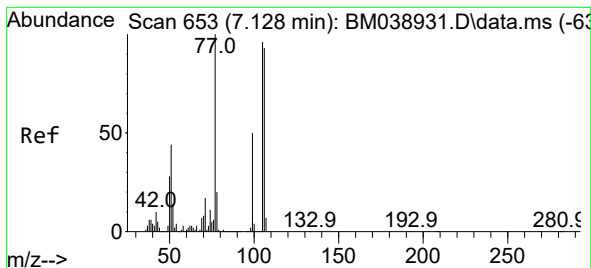
Tgt Ion: 99 Resp: 3092929
Ion Ratio Lower Upper
99 100
42 17.6 13.5 20.3
71 32.5 25.6 38.4



#8
2-Chlorophenol
Concen: 9.793 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 128 Resp: 302405
Ion Ratio Lower Upper
128 100
130 32.0 11.9 51.9
64 48.9 28.6 68.6





#9

Benzaldehyde

Concen: 11.415 ng

RT: 7.110 min Scan# 61

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

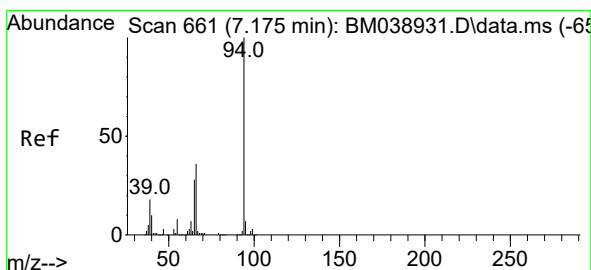
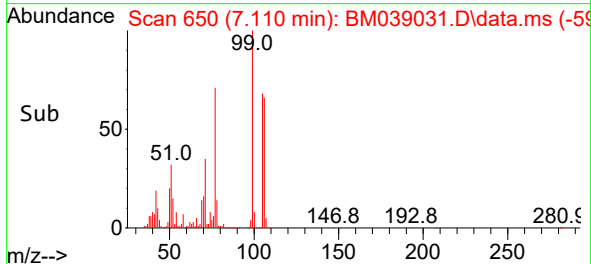
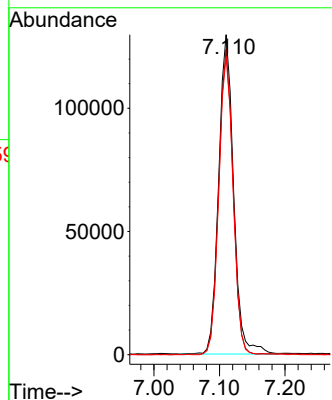
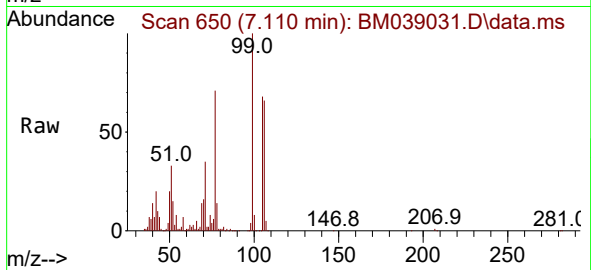
Tgt Ion: 77 Resp: 204647

Ion Ratio Lower Upper

77 100

105 95.5 75.8 115.8

106 93.2 72.6 112.6



#10

Phenol

Concen: 9.918 ng

RT: 7.157 min Scan# 658

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

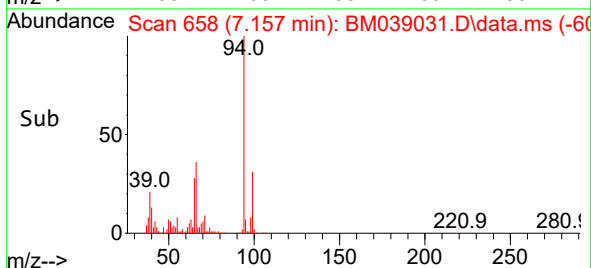
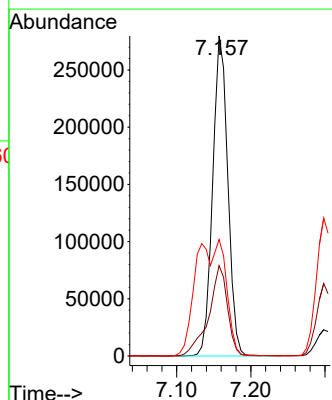
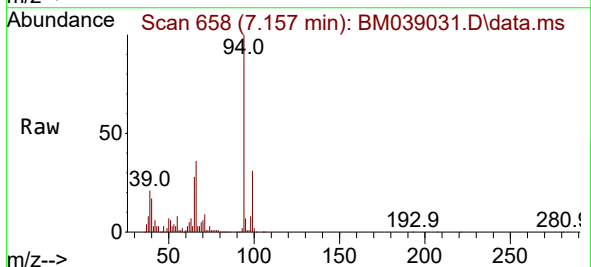
Tgt Ion: 94 Resp: 396794

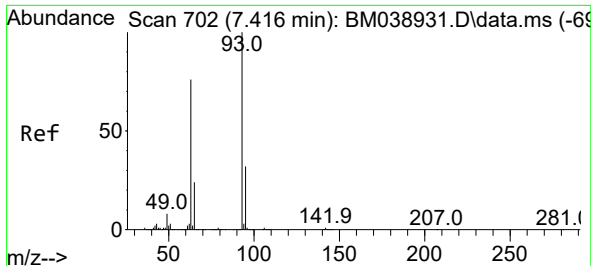
Ion Ratio Lower Upper

94 100

65 28.2 7.9 47.9

66 36.4 15.8 55.8

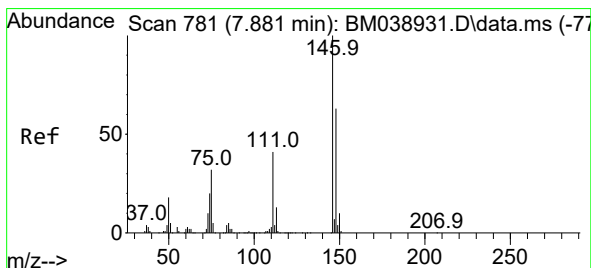
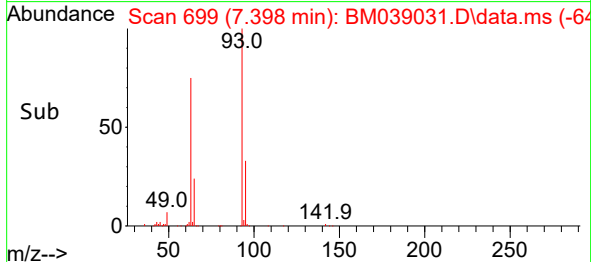
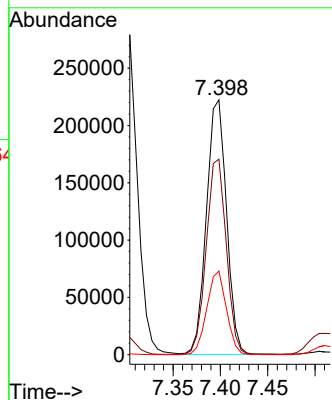
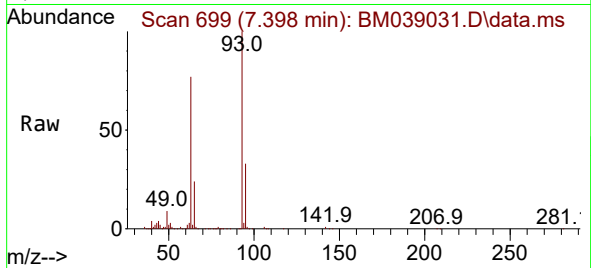




#11
bis(2-Chloroethyl)ether
Concen: 10.062 ng
RT: 7.398 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

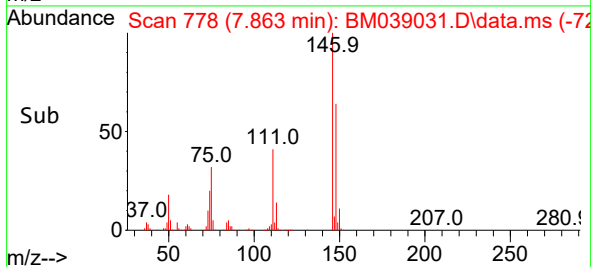
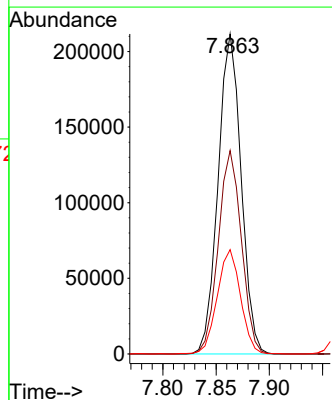
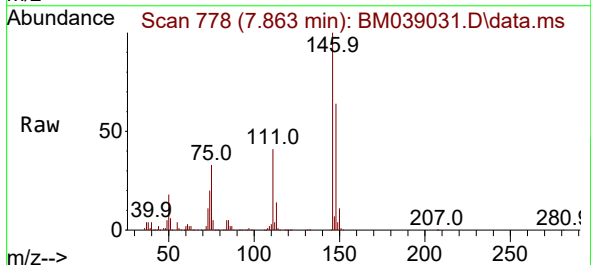
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

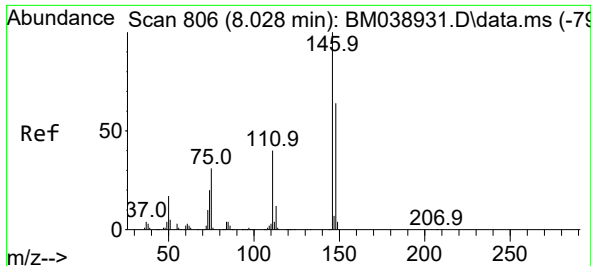
Tgt Ion: 93 Resp: 327303
Ion Ratio Lower Upper
93 100
63 76.7 55.8 95.8
95 32.9 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 9.682 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 146 Resp: 317708
Ion Ratio Lower Upper
146 100
148 63.6 50.6 75.8
75 32.6 26.0 39.0

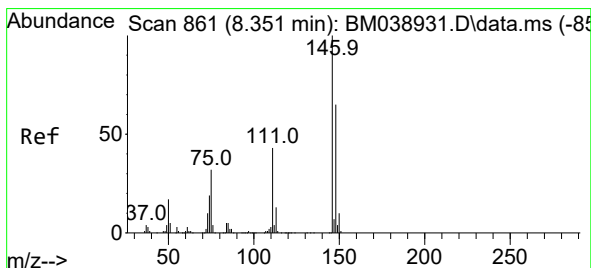
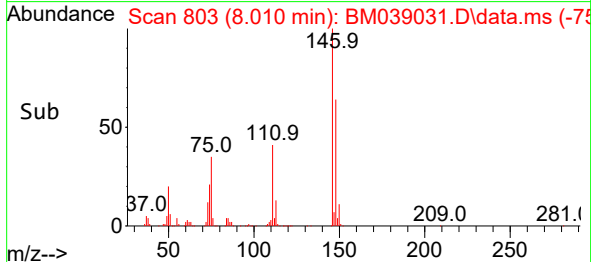
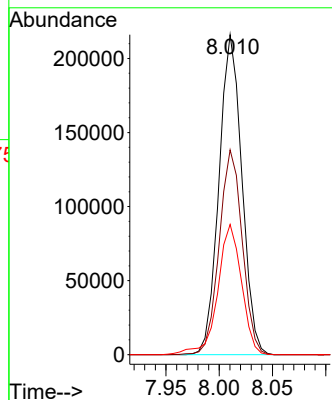
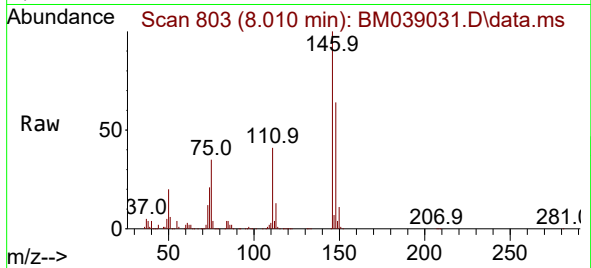




#13
1,4-Dichlorobenzene
Concen: 9.668 ng
RT: 8.010 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

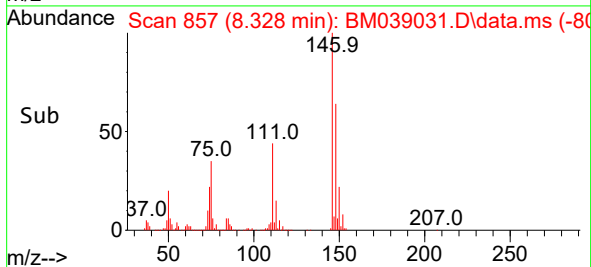
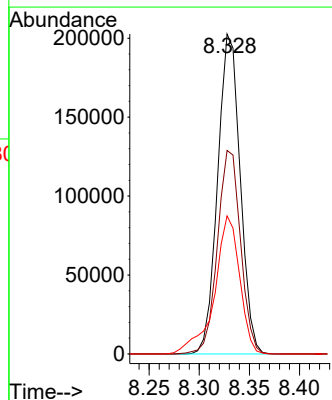
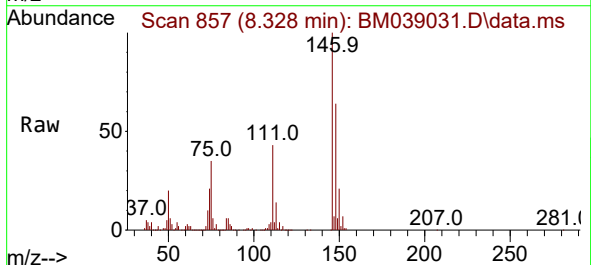
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

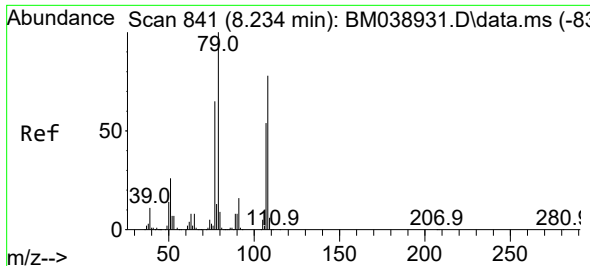
Tgt Ion:146 Resp: 322660
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.4
111 40.7 32.2 48.4



#14
1,2-Dichlorobenzene
Concen: 9.856 ng
RT: 8.328 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:146 Resp: 316855
Ion Ratio Lower Upper
146 100
148 63.6 51.7 77.5
111 43.1 34.2 51.4

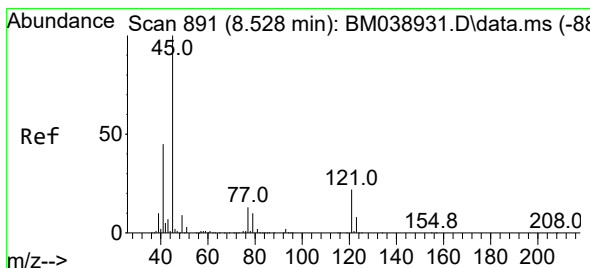
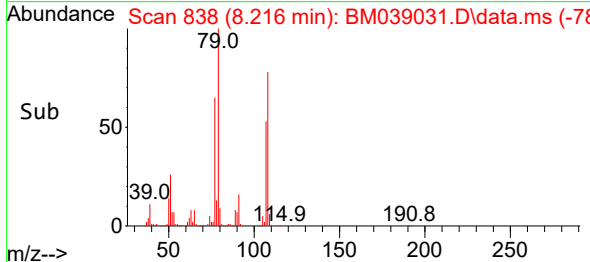
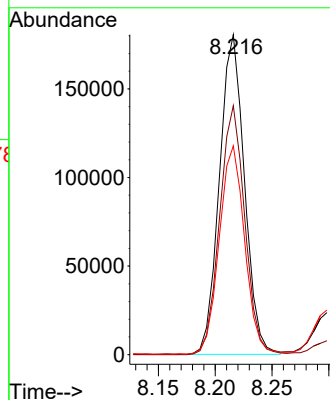
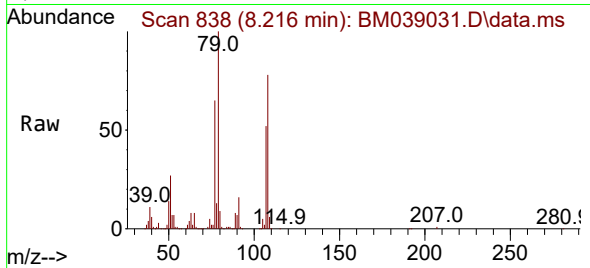




#15
Benzyl Alcohol
Concen: 10.240 ng
RT: 8.216 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

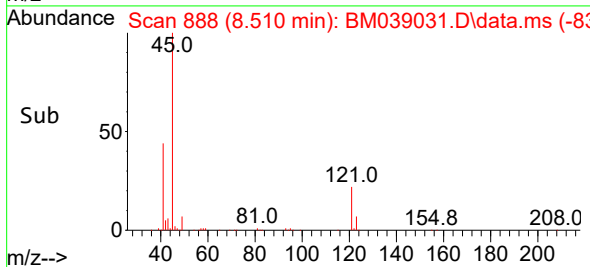
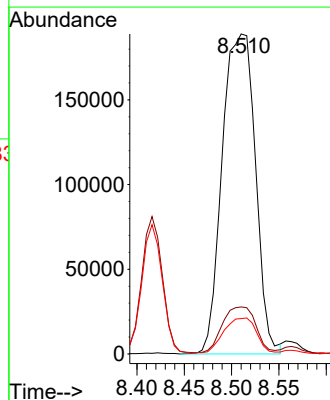
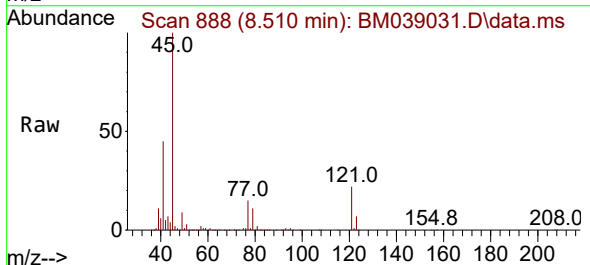
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

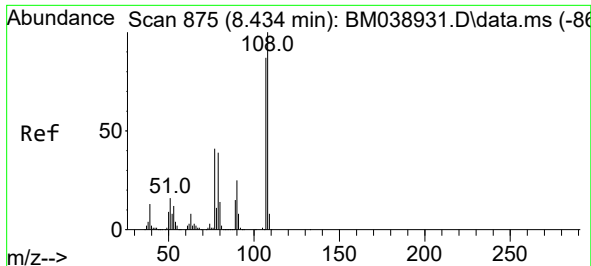
Tgt Ion: 79 Resp: 276503
Ion Ratio Lower Upper
79 100
108 77.8 62.4 93.6
77 65.3 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.216 ng
RT: 8.510 min Scan# 888
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 45 Resp: 460753
Ion Ratio Lower Upper
45 100
77 14.7 0.0 34.8
79 11.0 0.0 31.5

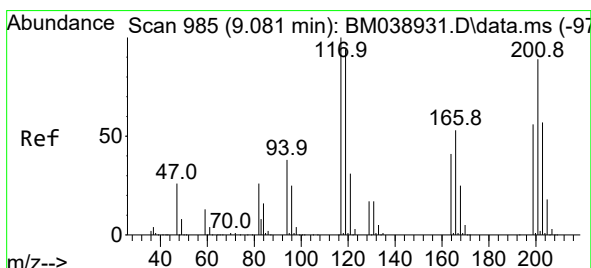
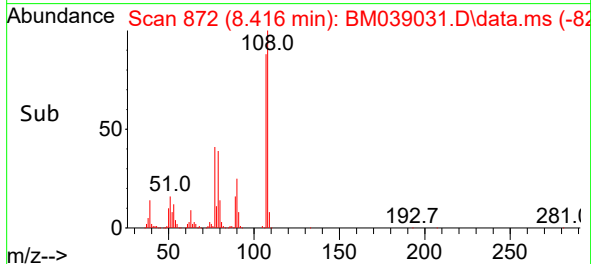
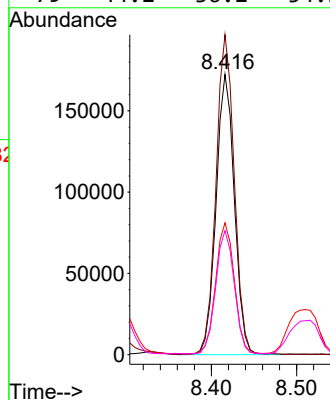
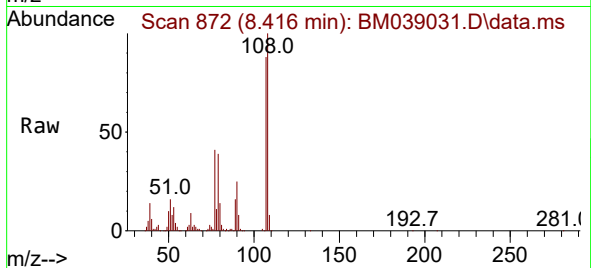




#17
2-Methylphenol
Concen: 9.378 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

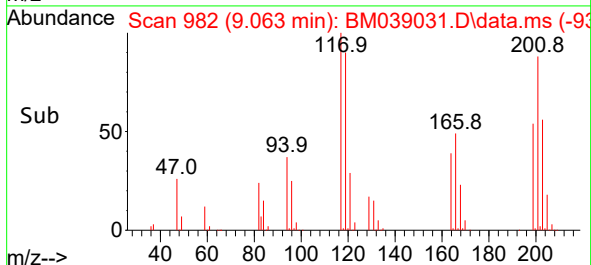
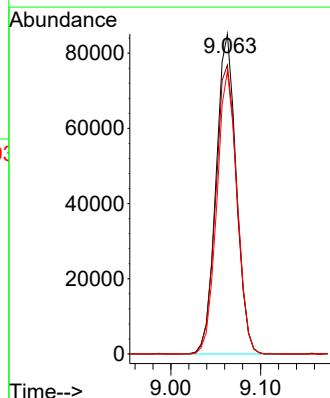
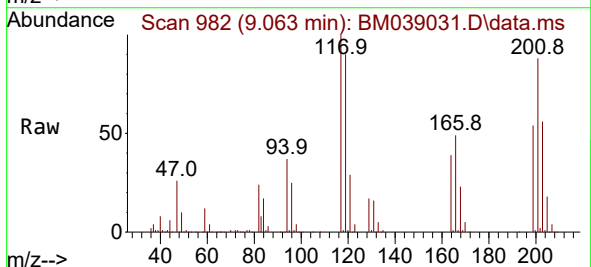
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

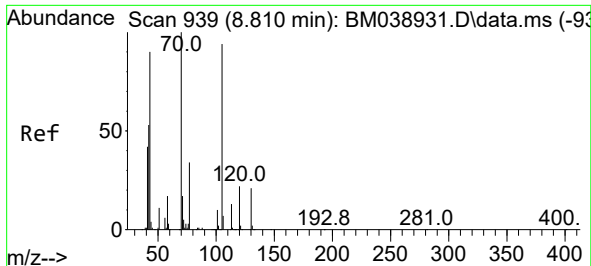
Tgt Ion:107 Resp: 257737
Ion Ratio Lower Upper
107 100
108 114.1 91.7 137.5
77 47.0 37.4 56.2
79 44.2 36.2 54.2



#18
Hexachloroethane
Concen: 10.796 ng
RT: 9.063 min Scan# 982
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:117 Resp: 132939
Ion Ratio Lower Upper
117 100
119 90.3 75.4 113.0
201 88.4 71.3 106.9

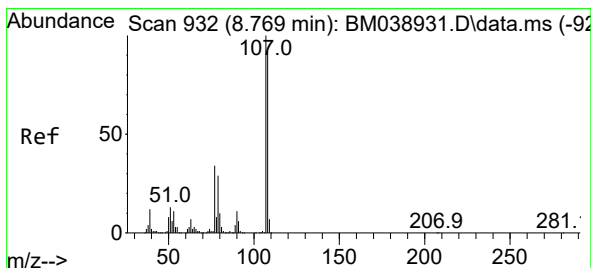
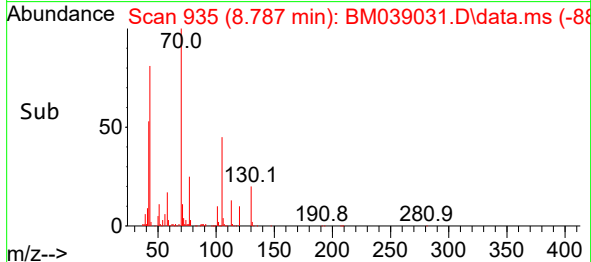
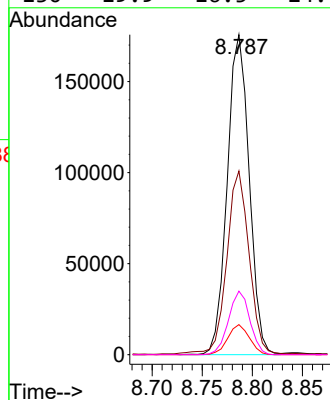
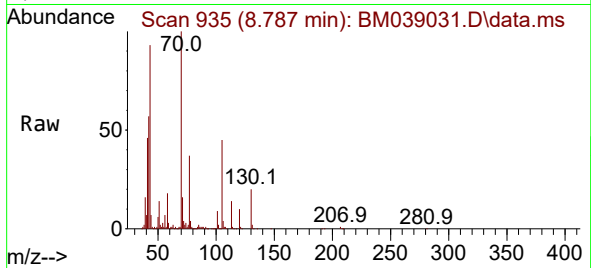




#19
n-Nitroso-di-n-propylamine
Concen: 11.271 ng
RT: 8.787 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

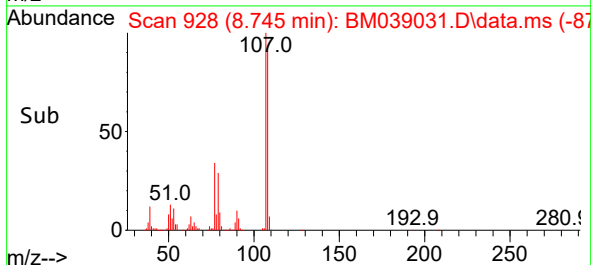
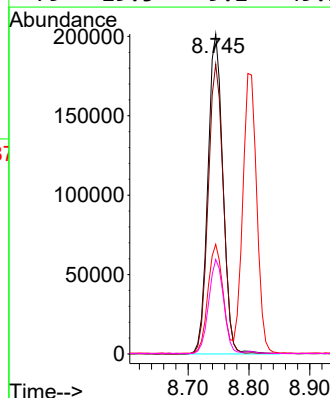
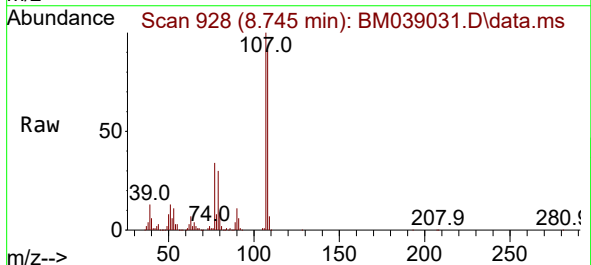
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

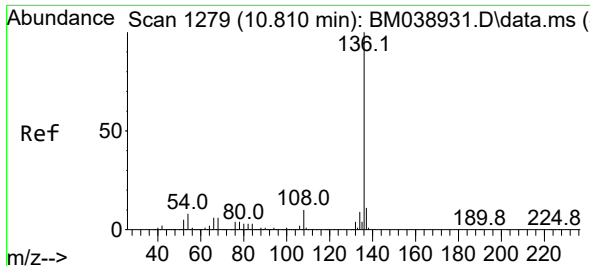
Tgt Ion: 70 Resp: 267465
Ion Ratio Lower Upper
70 100
42 57.4 43.4 65.2
101 9.4 7.6 11.4
130 19.9 16.5 24.7



#20
3+4-Methylphenols
Concen: 9.450 ng
RT: 8.745 min Scan# 928
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 107 Resp: 346769
Ion Ratio Lower Upper
107 100
108 90.5 71.8 111.8
77 34.3 13.6 53.6
79 29.5 9.2 49.2

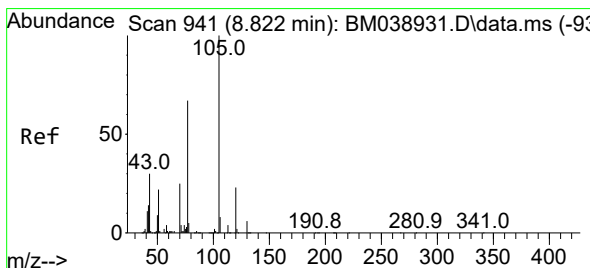
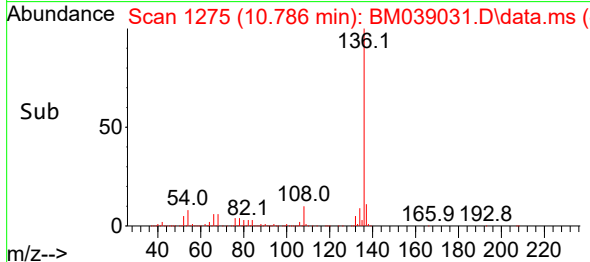
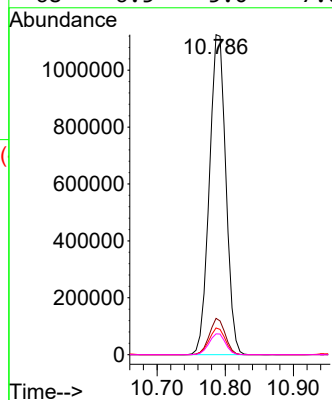
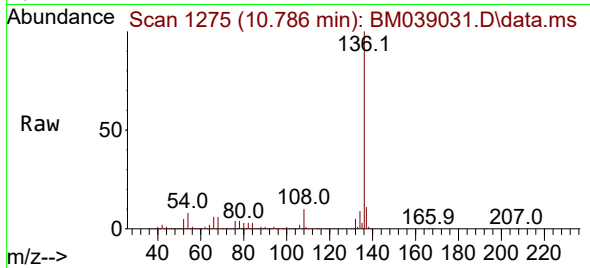




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

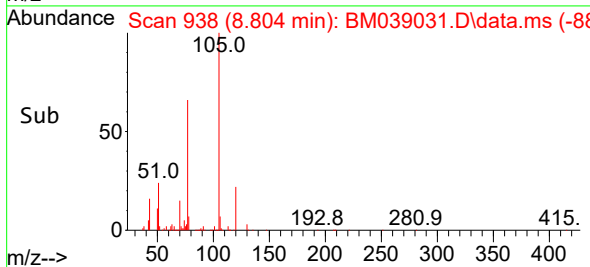
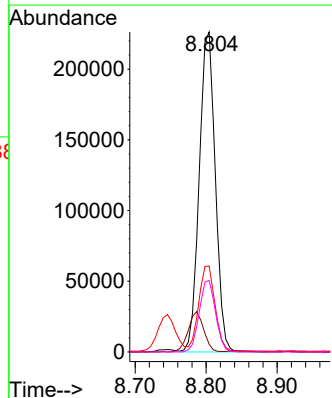
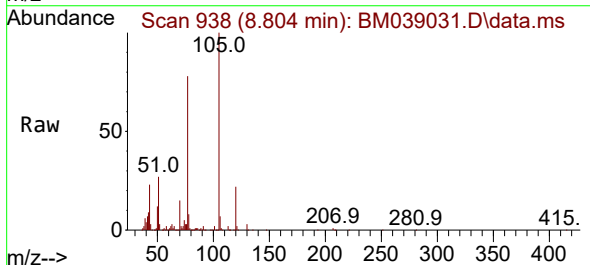
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

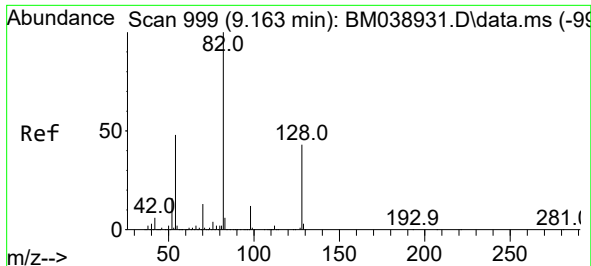
Tgt Ion:136 Resp: 1893622
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.4 6.3 9.5
68 6.5 5.0 7.6



#22
Acetophenone
Concen: 6.732 ng
RT: 8.804 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:105 Resp: 357683
Ion Ratio Lower Upper
105 100
71 2.4 3.4 5.0#
51 26.8 21.0 31.4
120 22.4 18.1 27.1

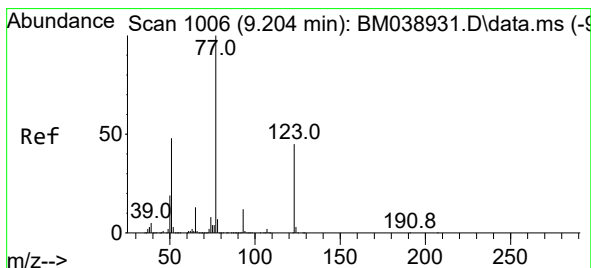
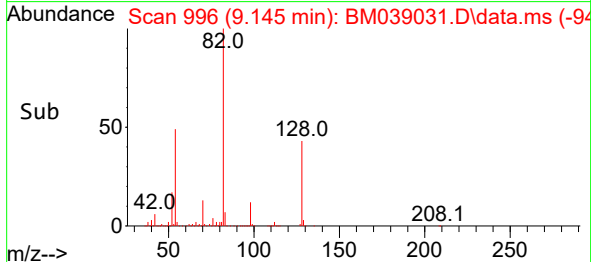
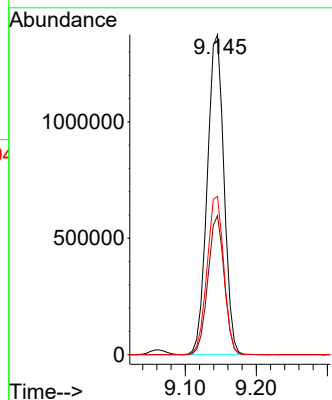
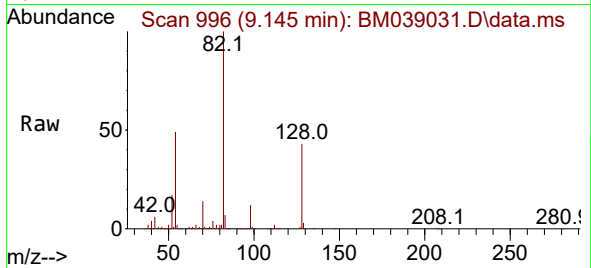




#23
Nitrobenzene-d5
Concen: 58.197 ng
RT: 9.145 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

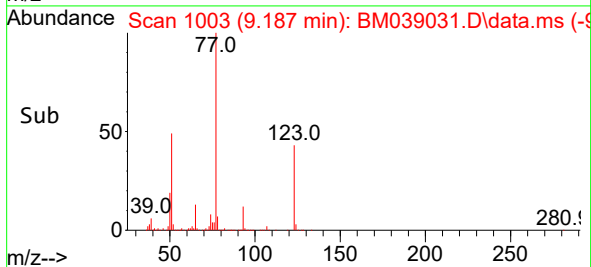
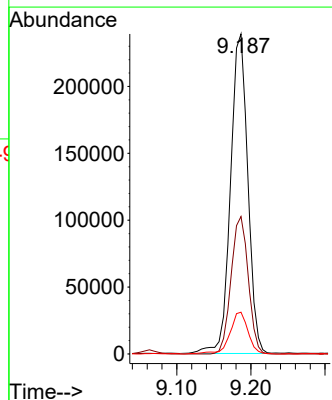
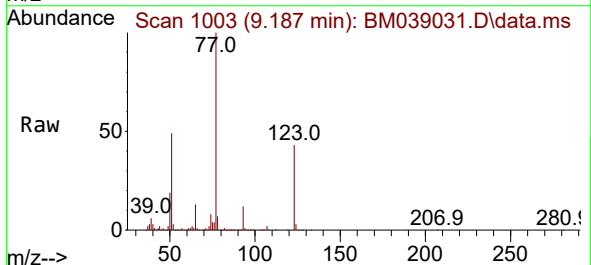
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

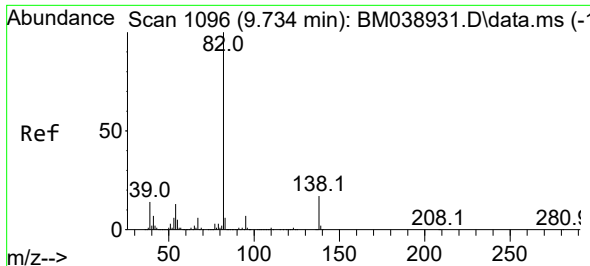
Tgt Ion: 82 Resp: 2243496
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 49.5 38.8 58.2



#24
Nitrobenzene
Concen: 9.546 ng
RT: 9.187 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 77 Resp: 386792
Ion Ratio Lower Upper
77 100
123 42.9 35.8 53.6
65 13.1 10.2 15.4

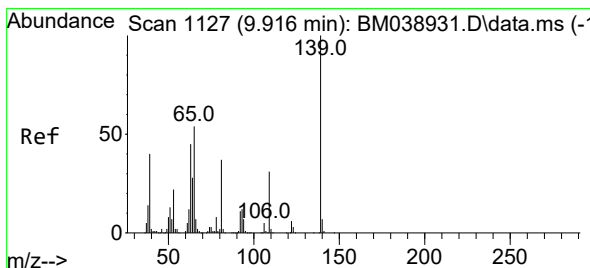
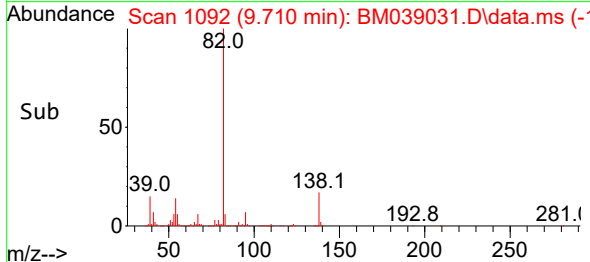
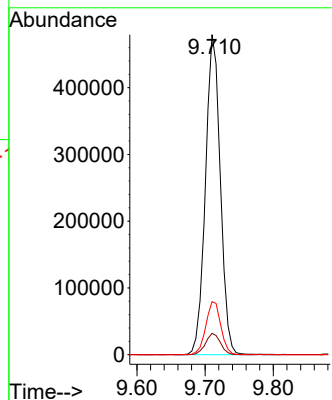
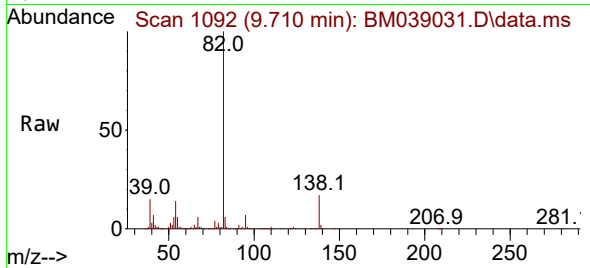




#25
Isophorone
Concen: 10.265 ng
RT: 9.710 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

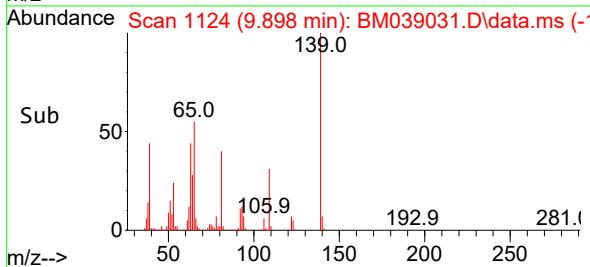
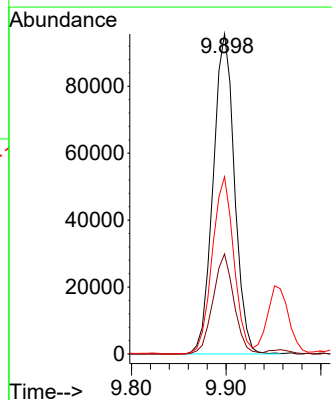
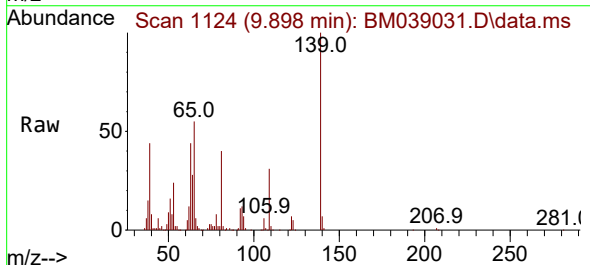
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

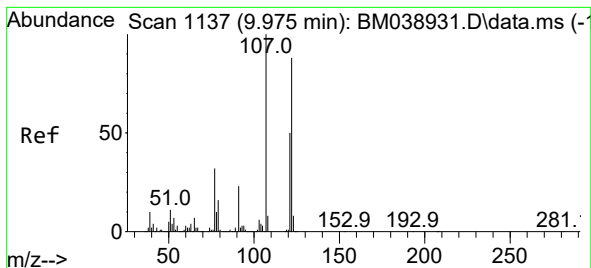
Tgt Ion: 82 Resp: 728208
Ion Ratio Lower Upper
82 100
95 6.6 5.2 7.8
138 16.5 13.6 20.4



#26
2-Nitrophenol
Concen: 10.864 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion: 139 Resp: 150223
Ion Ratio Lower Upper
139 100
109 31.3 24.5 36.7
65 55.3 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 9.446 ng

RT: 9.957 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

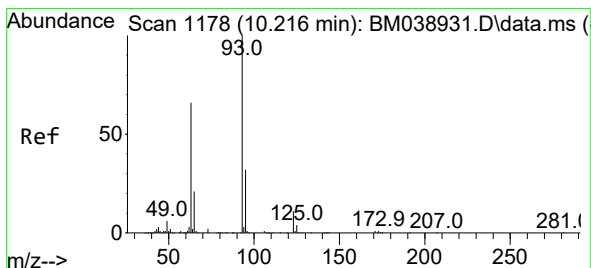
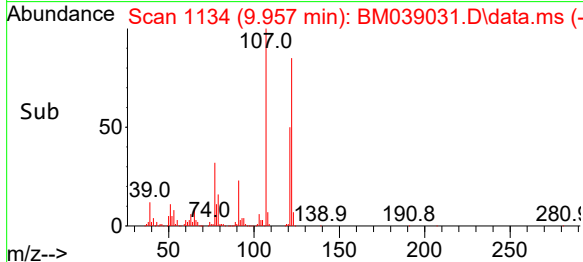
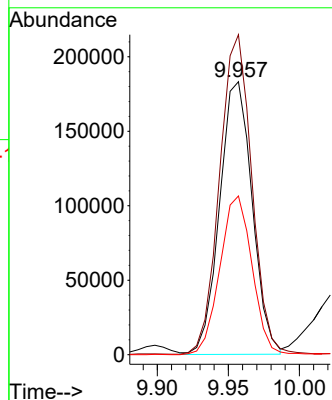
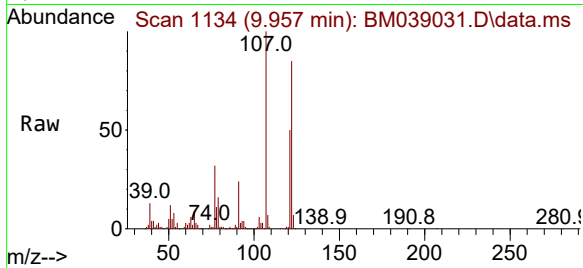
Tgt Ion:122 Resp: 291990

Ion Ratio Lower Upper

122 100

107 117.3 91.0 136.4

121 58.2 45.1 67.7



#28

bis(2-Chloroethoxy)methane

Concen: 9.659 ng

RT: 10.198 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

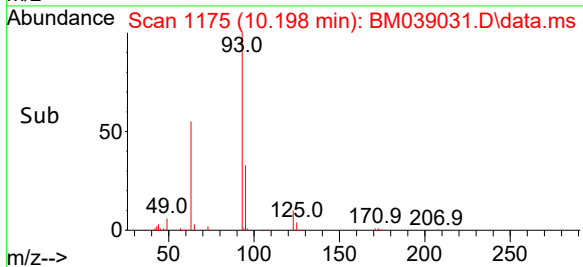
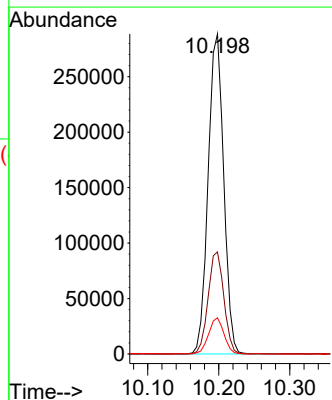
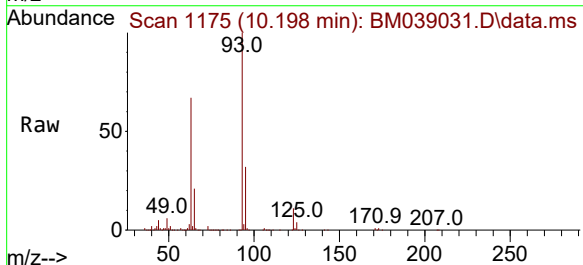
Tgt Ion: 93 Resp: 440271

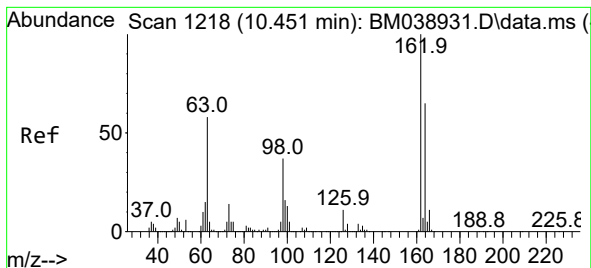
Ion Ratio Lower Upper

93 100

95 31.9 25.9 38.9

123 11.3 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 8.883 ng

RT: 10.428 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

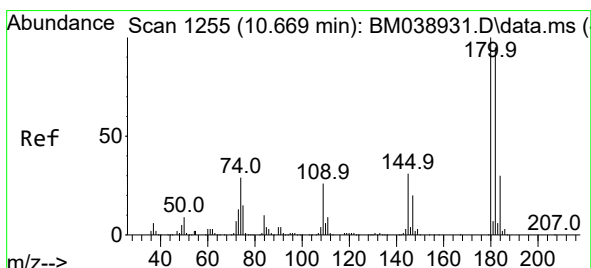
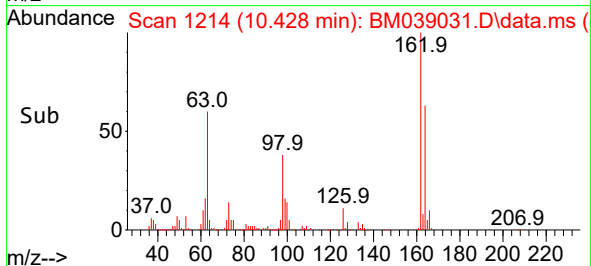
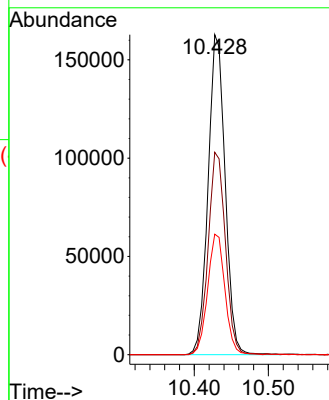
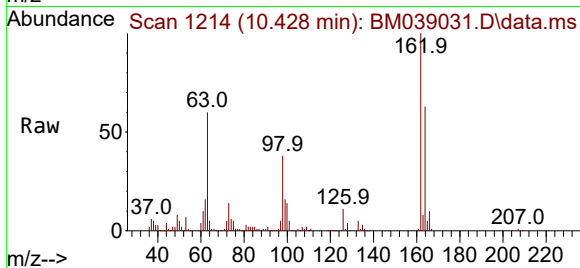
Tgt Ion:162 Resp: 260320

Ion Ratio Lower Upper

162 100

164 63.3 44.6 84.6

98 37.7 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 8.789 ng

RT: 10.651 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

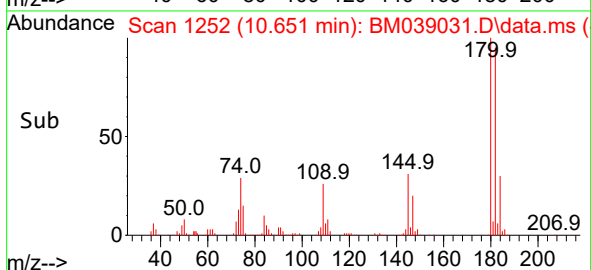
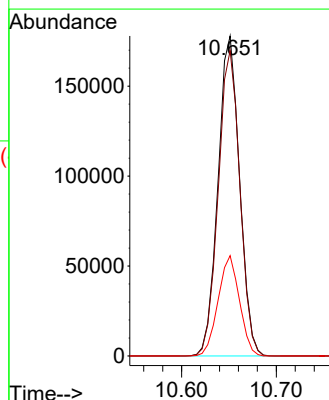
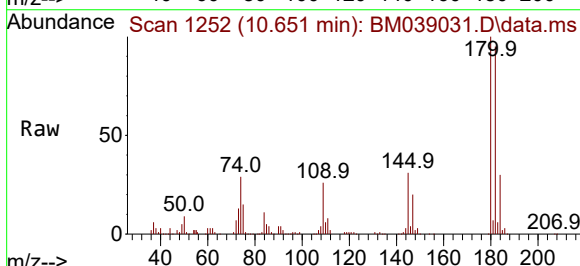
Tgt Ion:180 Resp: 281460

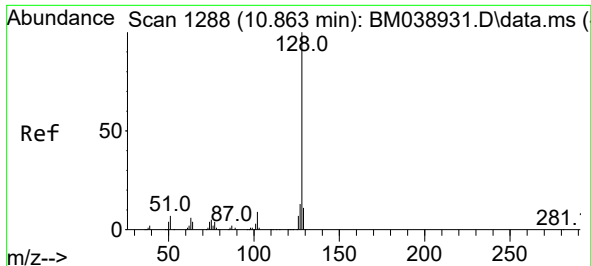
Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

145 31.4 25.0 37.4

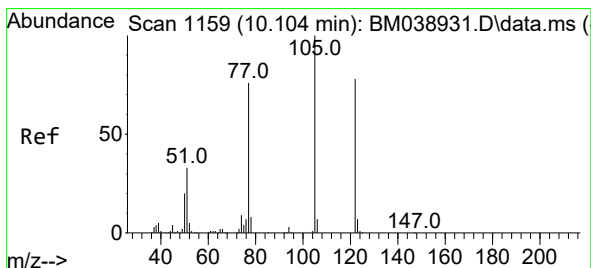
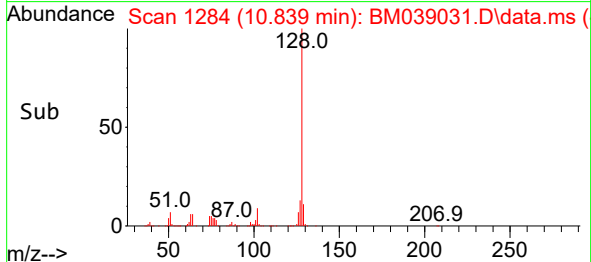
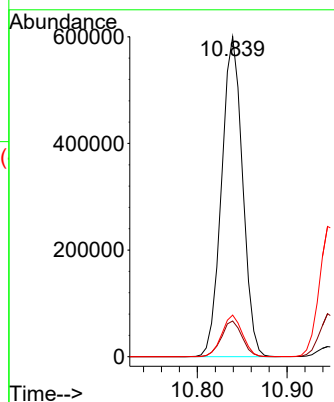
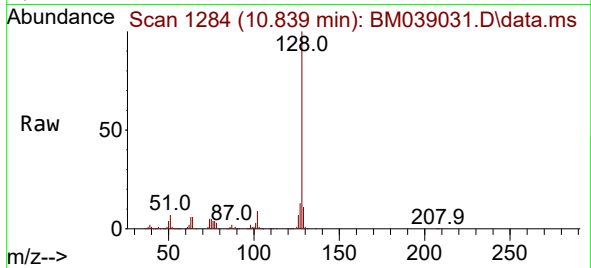




#31
Naphthalene
Concen: 9.012 ng
RT: 10.839 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

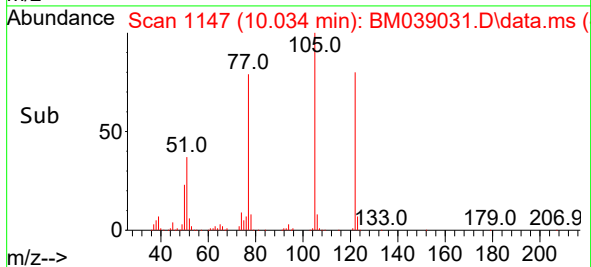
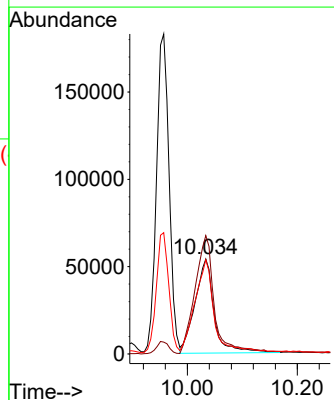
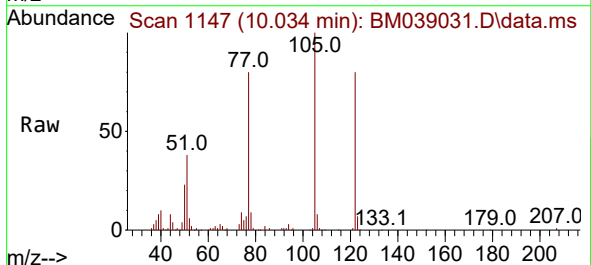
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

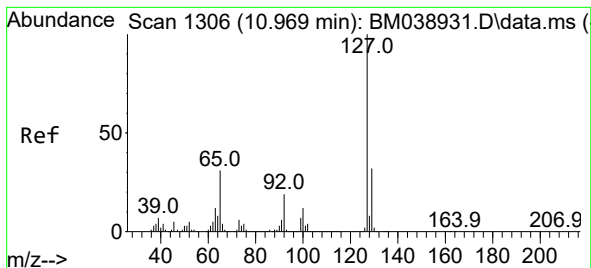
Tgt Ion:128 Resp: 973099
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.0 10.2 15.4



#32
Benzoic acid
Concen: 10.819 ng
RT: 10.034 min Scan# 1147
Delta R.T. -0.065 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:122 Resp: 131003
Ion Ratio Lower Upper
122 100
105 124.8 104.2 144.2
77 99.3 75.1 115.1





#33

4-Chloroaniline

Concen: 9.000 ng

RT: 10.945 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:127 Resp: 414151

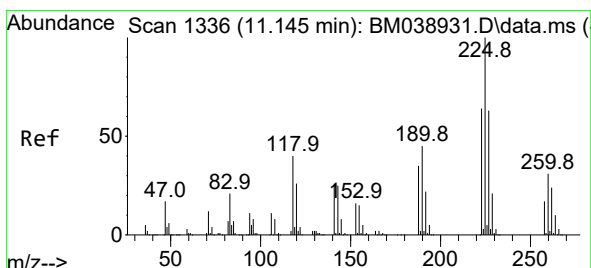
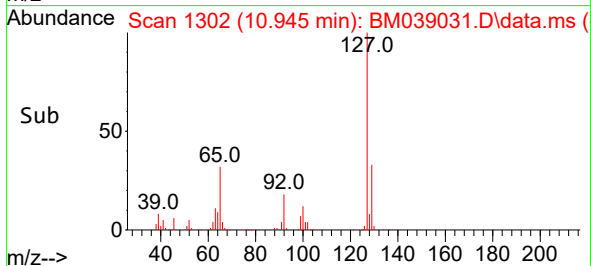
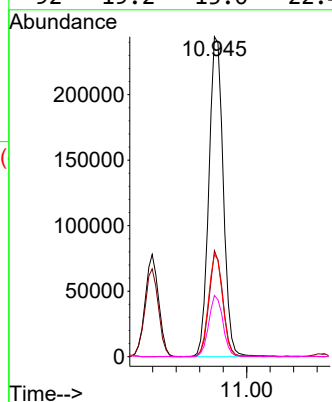
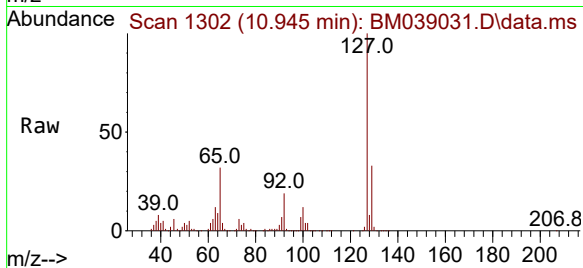
Ion Ratio Lower Upper

127 100

129 33.1 25.4 38.2

65 32.0 24.4 36.6

92 19.2 15.0 22.4



#34

Hexachlorobutadiene

Concen: 8.956 ng

RT: 11.128 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

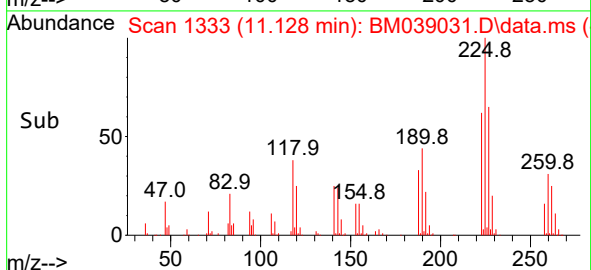
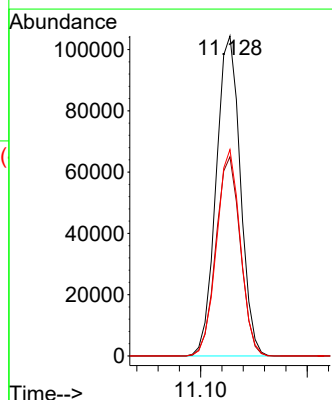
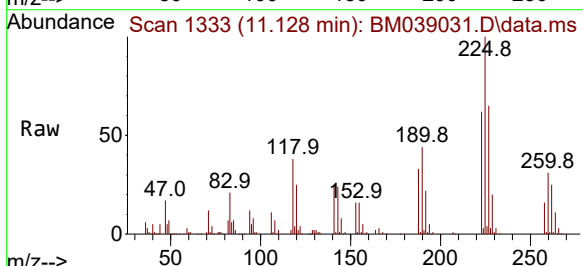
Tgt Ion:225 Resp: 164482

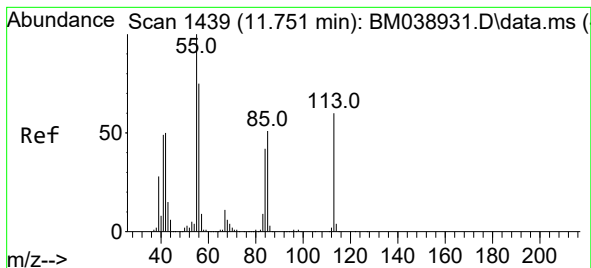
Ion Ratio Lower Upper

225 100

223 62.3 51.3 76.9

227 64.5 50.6 76.0





#35

Caprolactam

Concen: 9.449 ng

RT: 11.722 min Scan# 1439

Delta R.T. -0.018 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

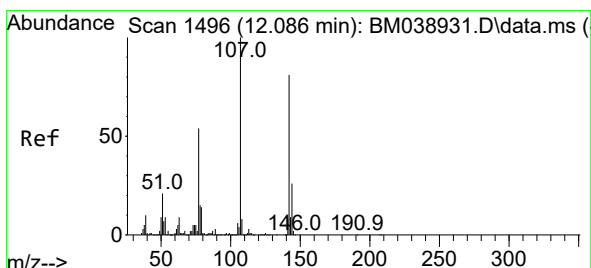
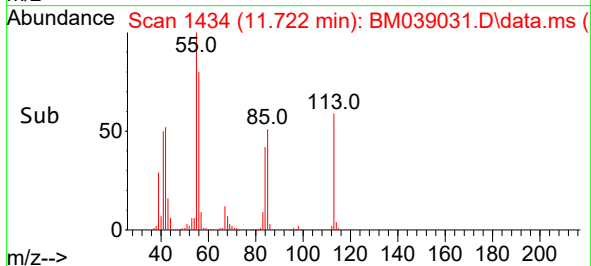
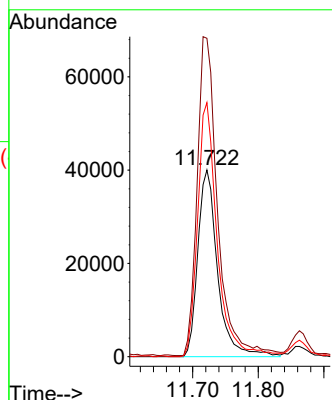
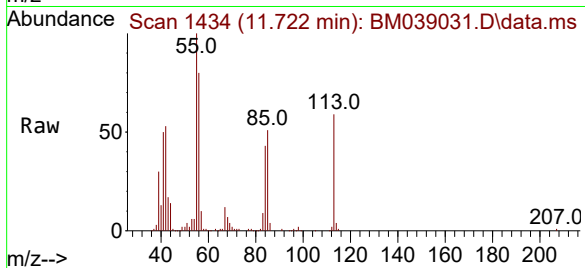
Tgt Ion:113 Resp: 84282

Ion Ratio Lower Upper

113 100

55 170.4 147.0 187.0

56 136.0 105.1 145.1



#36

4-Chloro-3-methylphenol

Concen: 9.613 ng

RT: 12.063 min Scan# 1492

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

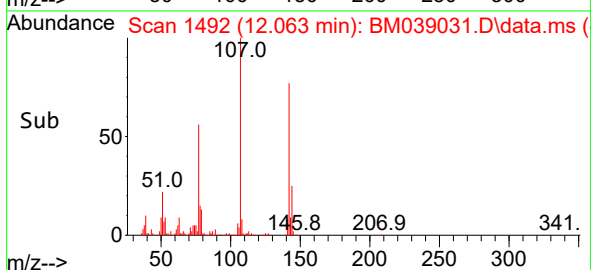
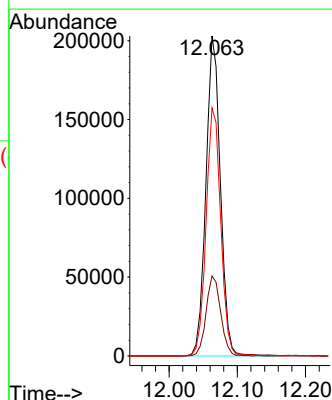
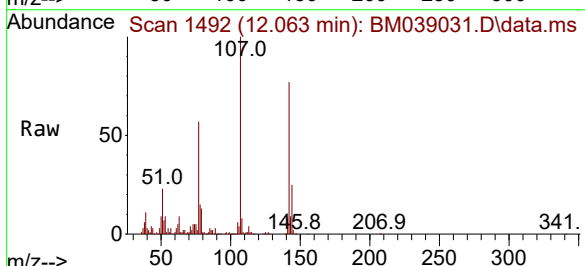
Tgt Ion:107 Resp: 299971

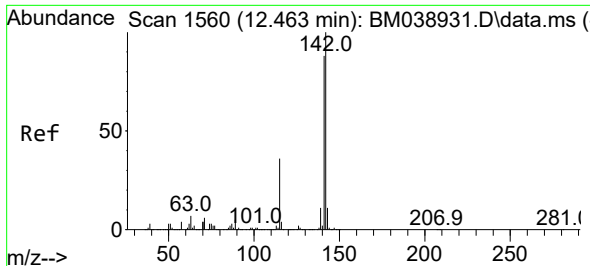
Ion Ratio Lower Upper

107 100

144 25.0 20.7 31.1

142 77.5 64.6 97.0

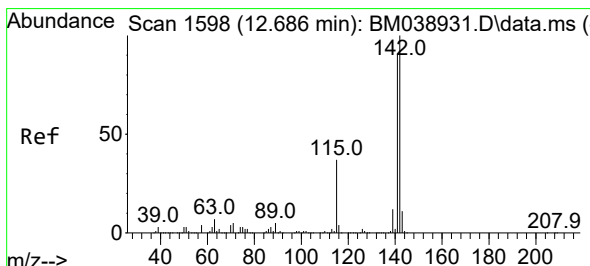
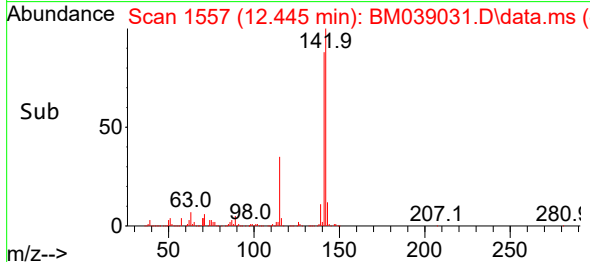
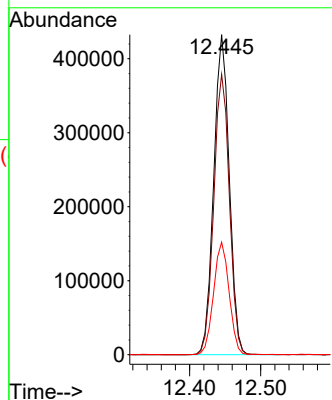
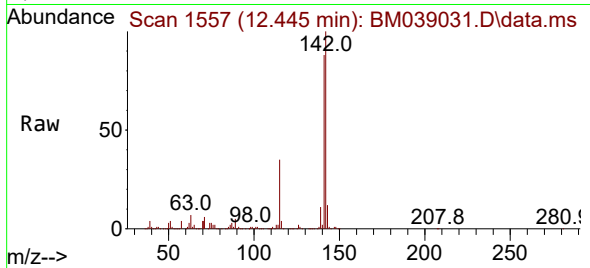




#37
2-Methylnaphthalene
Concen: 9.061 ng
RT: 12.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

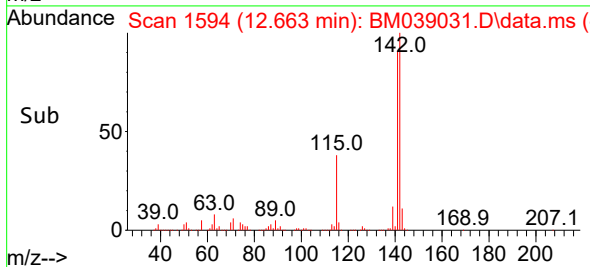
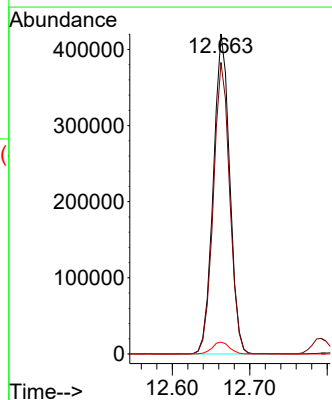
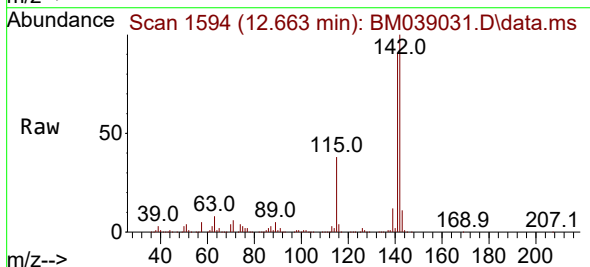
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

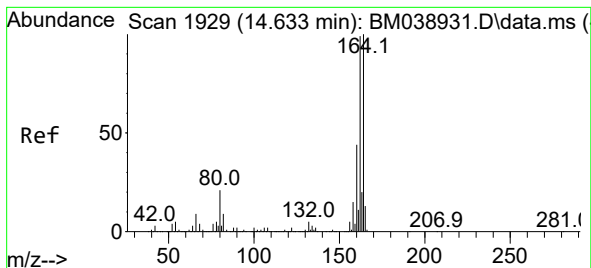
Tgt Ion:142 Resp: 655800
Ion Ratio Lower Upper
142 100
141 87.6 70.6 106.0
115 35.2 28.5 42.7



#38
1-Methylnaphthalene
Concen: 9.096 ng
RT: 12.663 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:142 Resp: 616890
Ion Ratio Lower Upper
142 100
141 91.1 72.8 109.2
116 3.7 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.616 min Scan# 1619

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

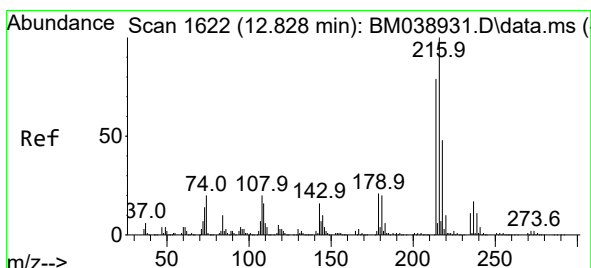
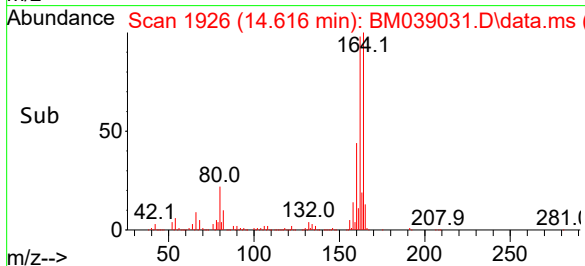
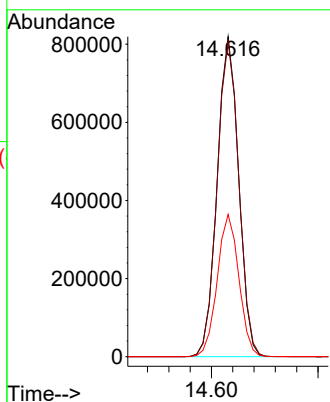
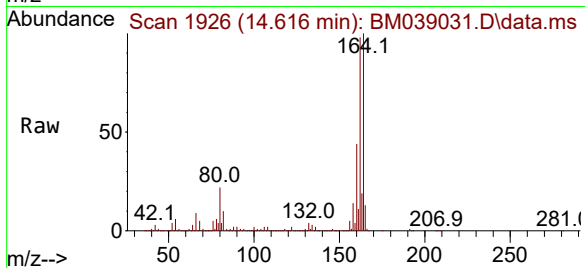
Tgt Ion:164 Resp: 1148847

Ion Ratio Lower Upper

164 100

162 98.5 79.2 118.8

160 44.5 35.5 53.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.748 ng

RT: 12.810 min Scan# 1619

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Tgt Ion:216 Resp: 214678

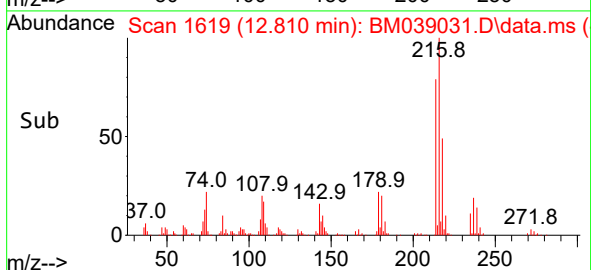
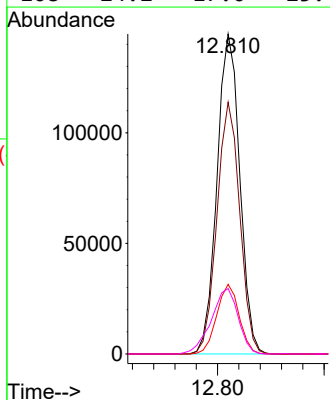
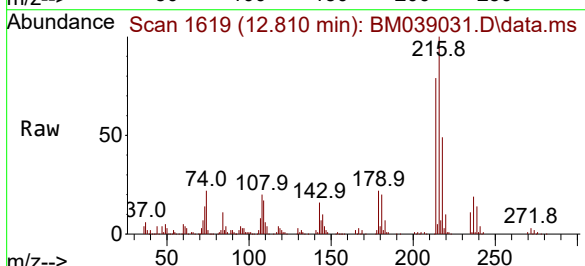
Ion Ratio Lower Upper

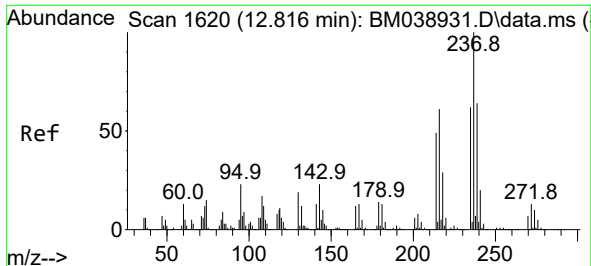
216 100

214 78.6 63.0 94.4

179 21.4 16.8 25.2

108 24.2 17.0 25.4

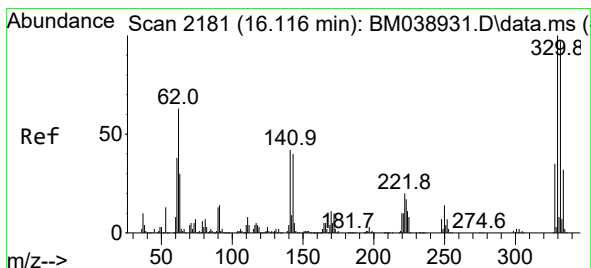
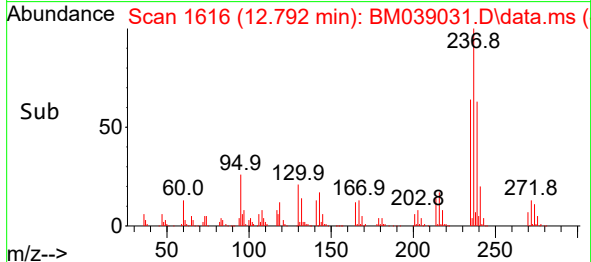
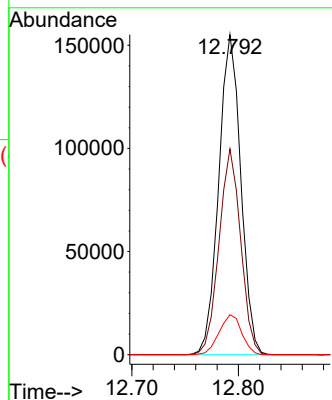
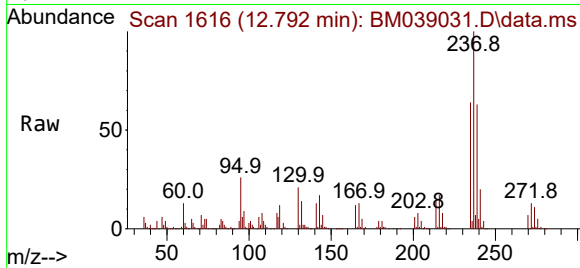




#41
Hexachlorocyclopentadiene
Concen: 10.877 ng
RT: 12.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

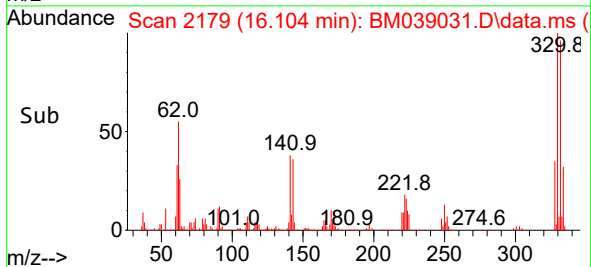
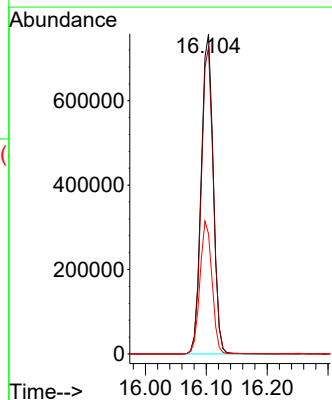
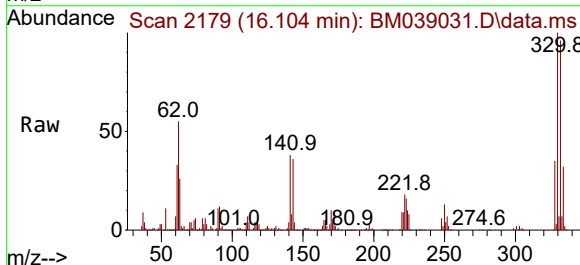
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

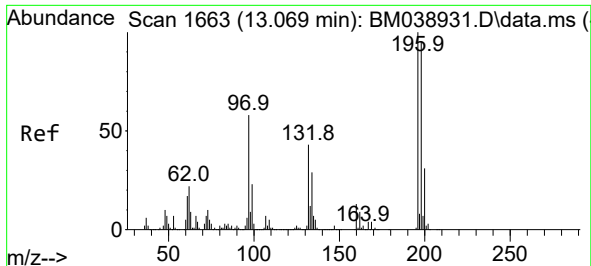
Tgt Ion:237 Resp: 222991
Ion Ratio Lower Upper
237 100
235 64.3 41.7 81.7
272 12.5 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 78.106 ng
RT: 16.104 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:330 Resp: 1038052
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 41.7 32.2 48.4

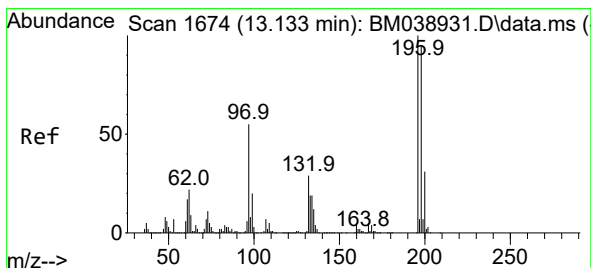
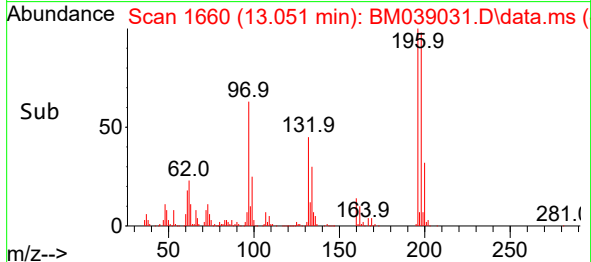
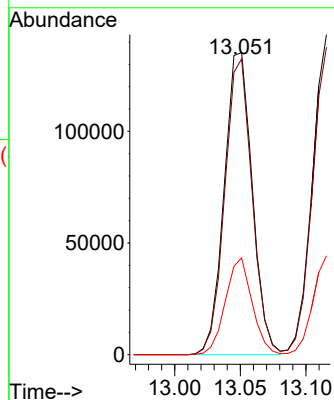
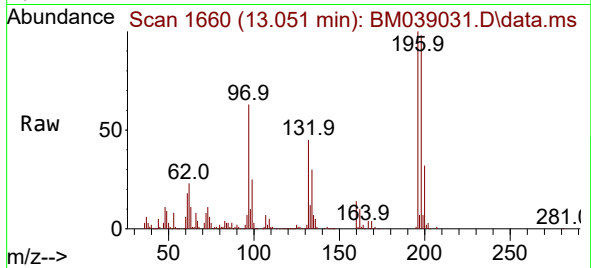




#43
2,4,6-Trichlorophenol
Concen: 8.329 ng
RT: 13.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

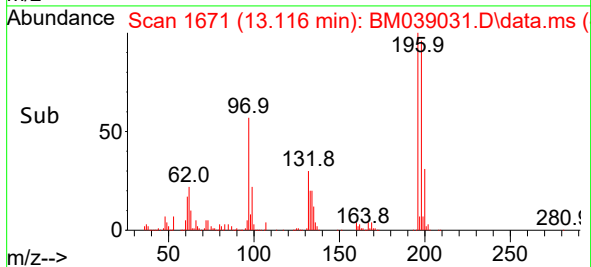
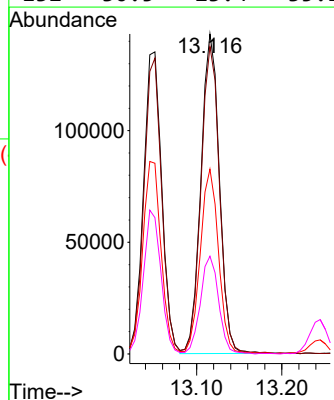
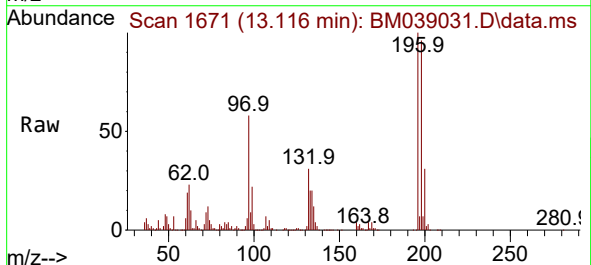
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

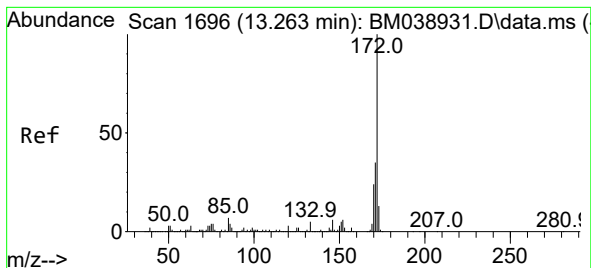
Tgt Ion:196 Resp: 201448
Ion Ratio Lower Upper
196 100
198 97.9 75.8 113.8
200 32.0 25.0 37.4



#44
2,4,5-Trichlorophenol
Concen: 7.617 ng
RT: 13.116 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:196 Resp: 215637
Ion Ratio Lower Upper
196 100
198 96.1 76.3 114.5
97 57.7 44.2 66.4
132 30.5 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 52.859 ng

RT: 13.245 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

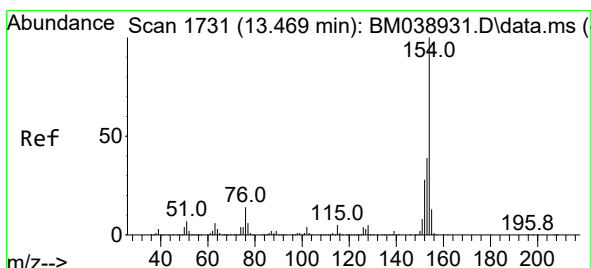
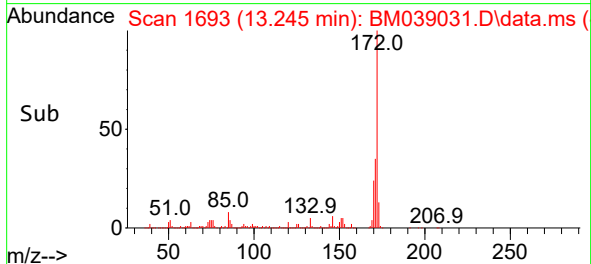
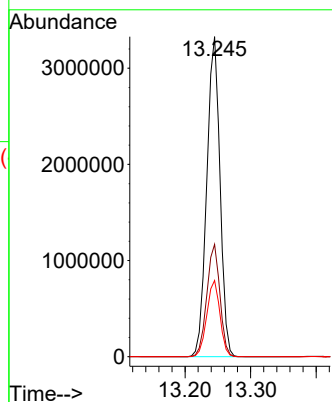
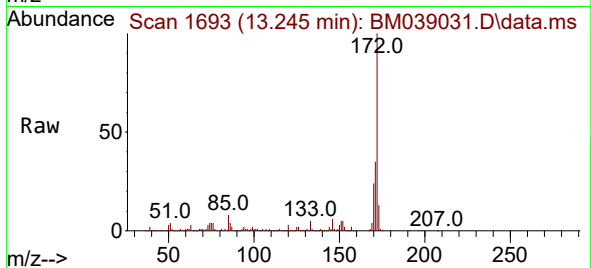
Tgt Ion:172 Resp: 4664882

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 6.412 ng

RT: 13.451 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

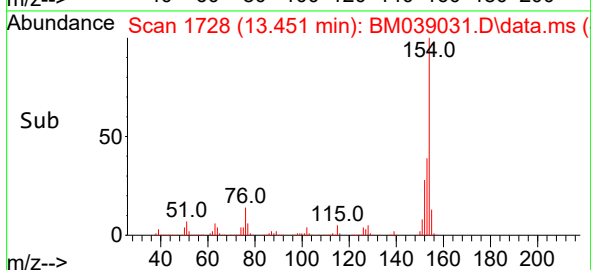
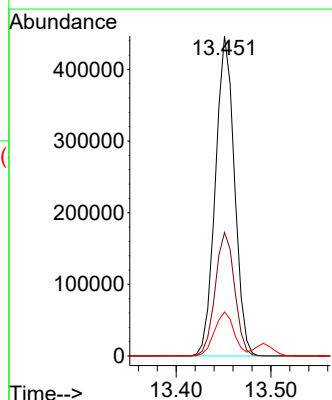
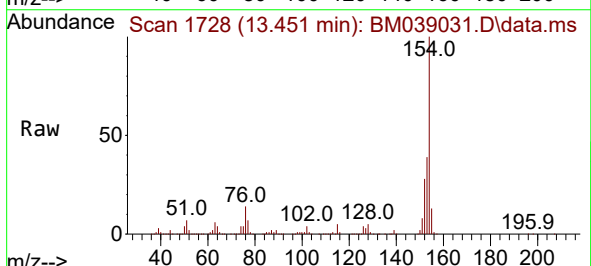
Tgt Ion:154 Resp: 624087

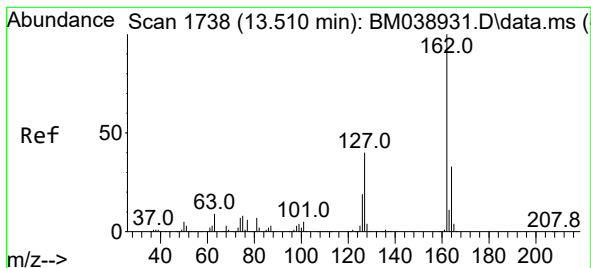
Ion Ratio Lower Upper

154 100

153 38.6 19.3 59.3

76 13.7 0.0 34.0





#47

2-Chloronaphthalene

Concen: 8.890 ng

RT: 13.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

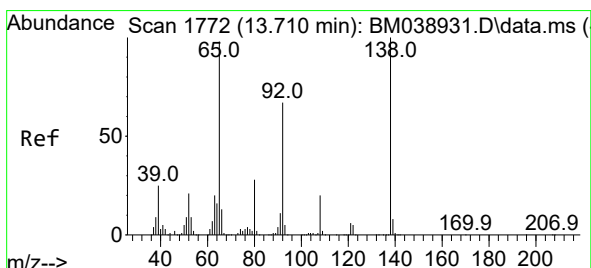
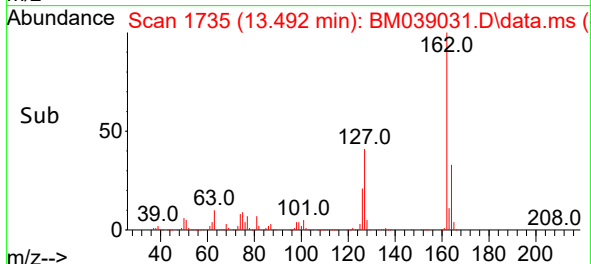
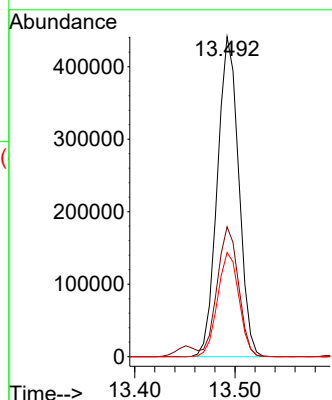
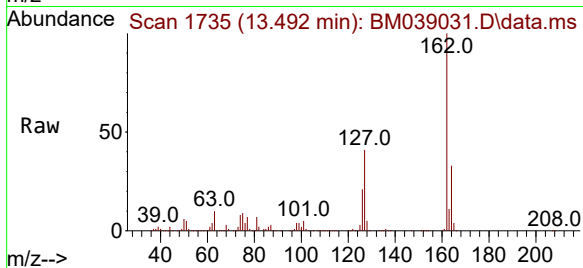
Tgt Ion:162 Resp: 652477

Ion Ratio Lower Upper

162 100

127 40.6 32.1 48.1

164 32.6 26.2 39.4



#48

2-Nitroaniline

Concen: 10.021 ng

RT: 13.692 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

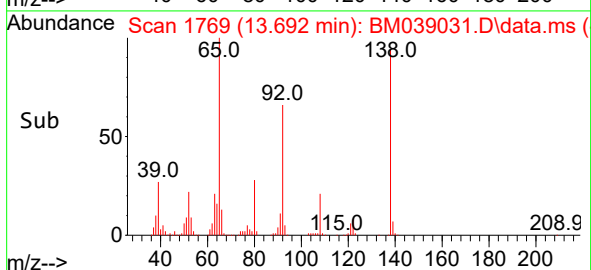
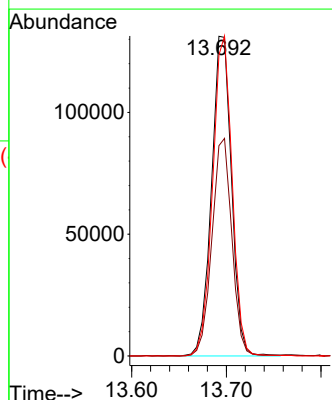
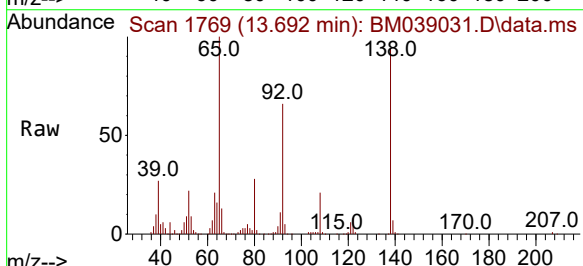
Tgt Ion: 65 Resp: 192282

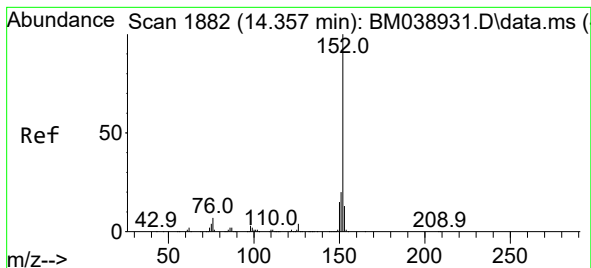
Ion Ratio Lower Upper

65 100

92 65.7 54.9 82.3

138 94.1 81.6 122.4





#49

Acenaphthylene

Concen: 8.794 ng

RT: 14.339 min Scan# 1879

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

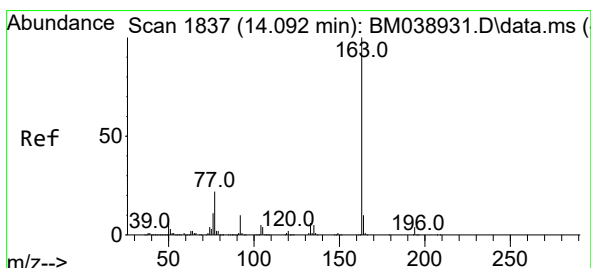
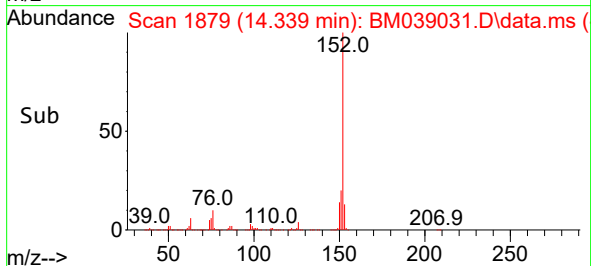
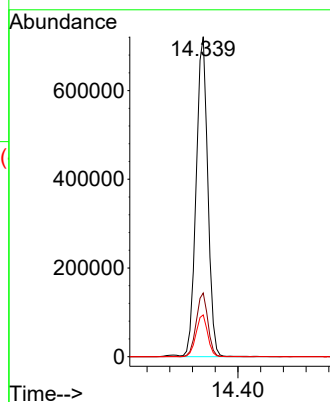
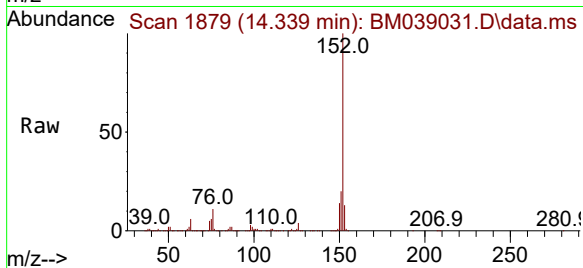
Tgt Ion:152 Resp: 1027981

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 9.194 ng

RT: 14.074 min Scan# 1834

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

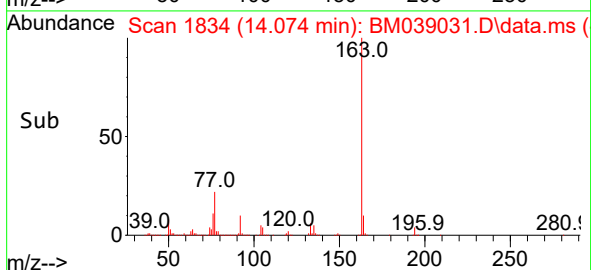
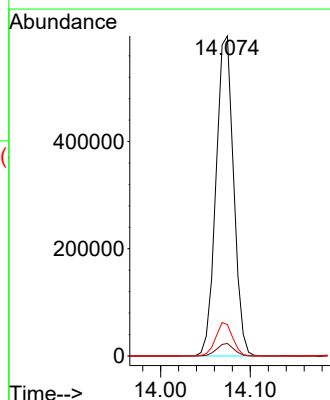
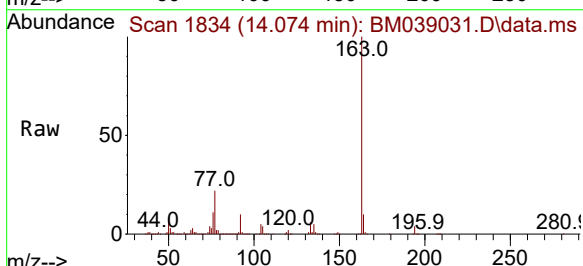
Tgt Ion:163 Resp: 812756

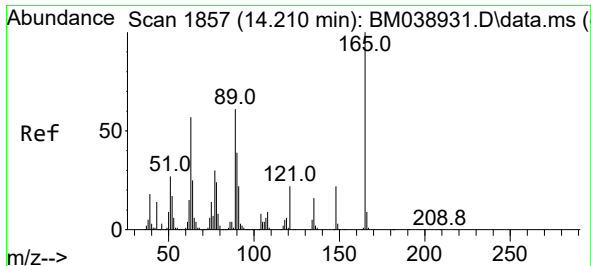
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.8 8.1 12.1

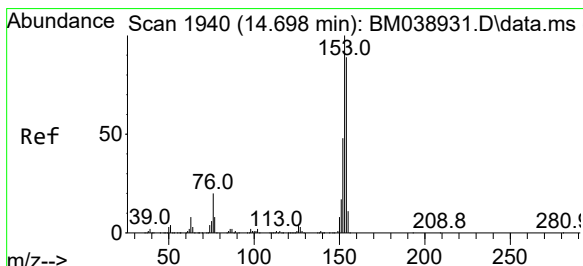
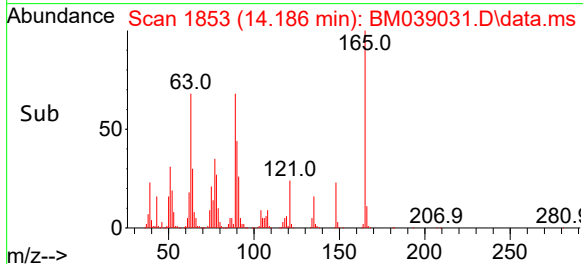
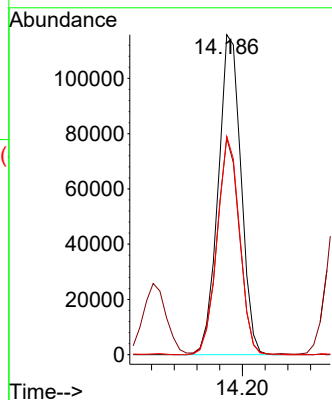
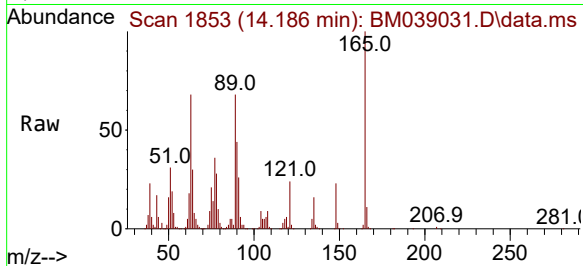




#51
2,6-Dinitrotoluene
Concen: 9.508 ng
RT: 14.186 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

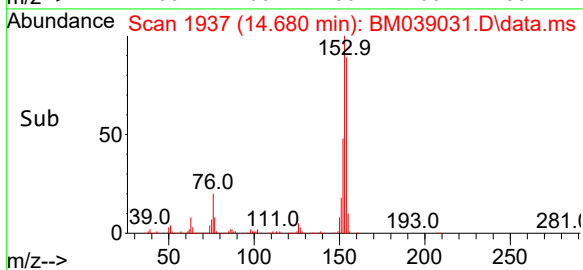
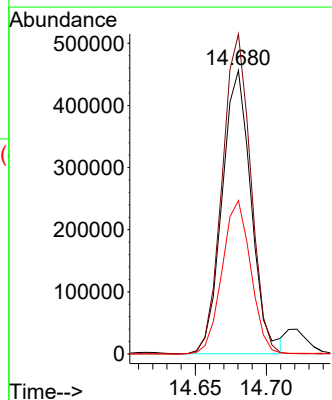
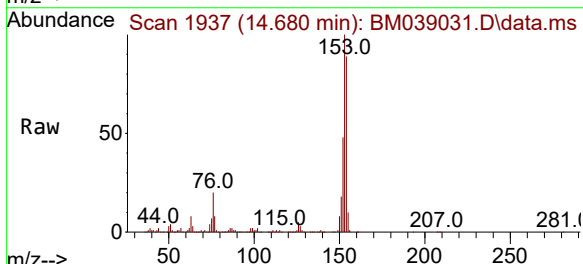
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

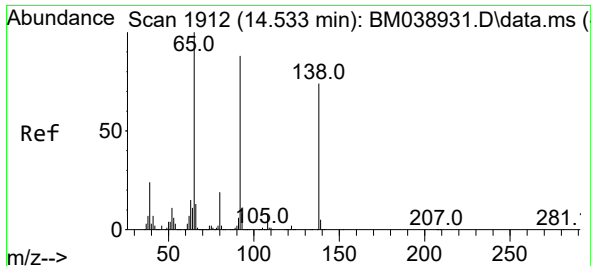
Tgt Ion:165 Resp: 161250
Ion Ratio Lower Upper
165 100
63 67.7 46.6 70.0
89 68.3 48.6 73.0



#52
Acenaphthene
Concen: 9.022 ng
RT: 14.680 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:154 Resp: 648161
Ion Ratio Lower Upper
154 100
153 112.9 90.2 135.2
152 54.1 43.4 65.2

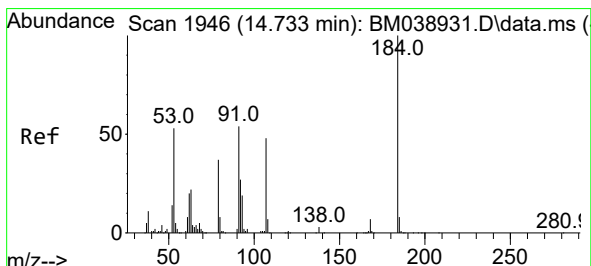
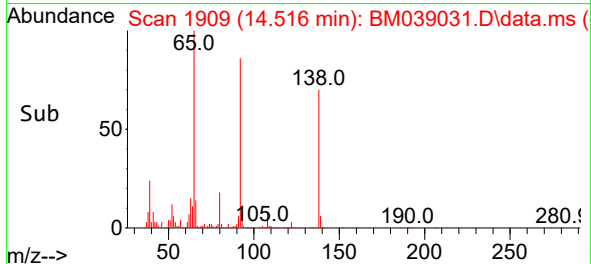
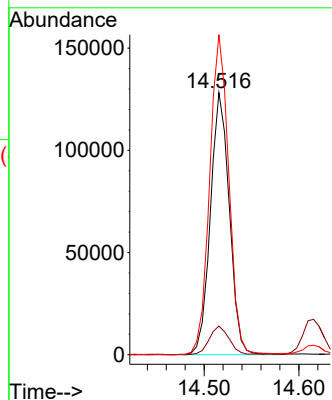
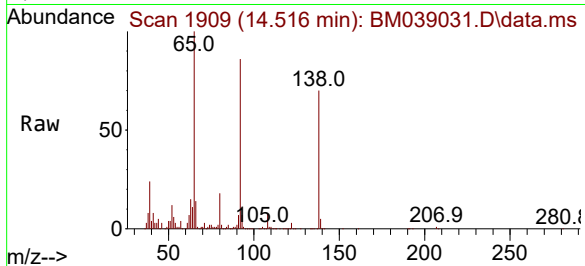




#53
3-Nitroaniline
Concen: 9.123 ng
RT: 14.516 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

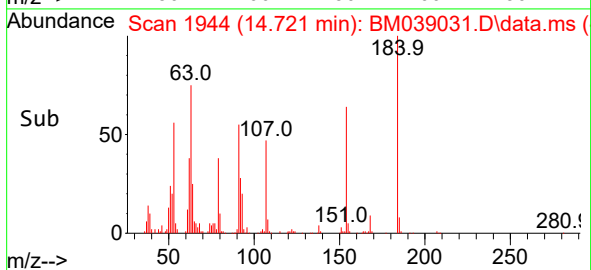
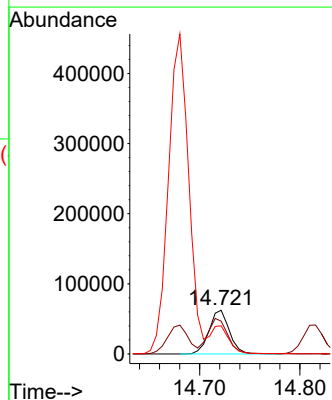
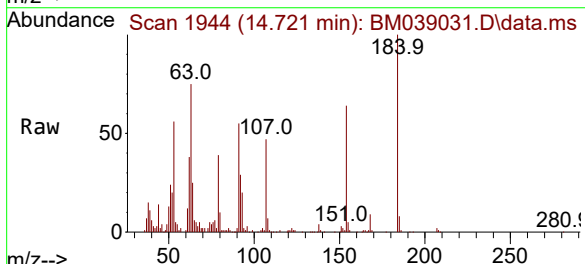
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

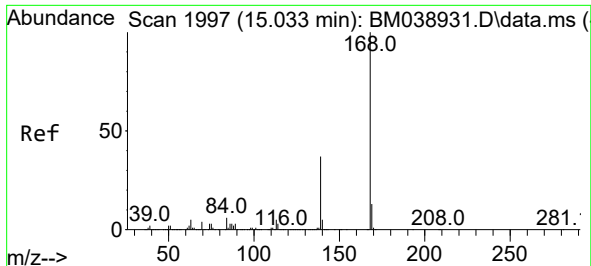
Tgt Ion:138 Resp: 178069
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 122.1 95.8 143.8



#54
2,4-Dinitrophenol
Concen: 12.466 ng
RT: 14.721 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:184 Resp: 87423
Ion Ratio Lower Upper
184 100
63 75.2 60.6 90.8
154 64.3 51.4 77.2

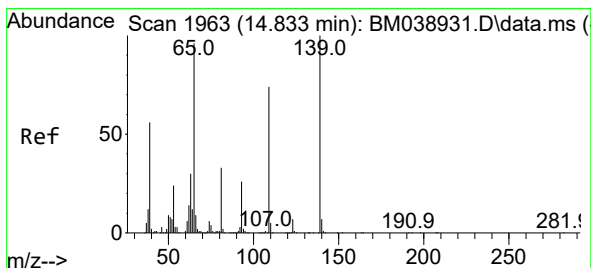
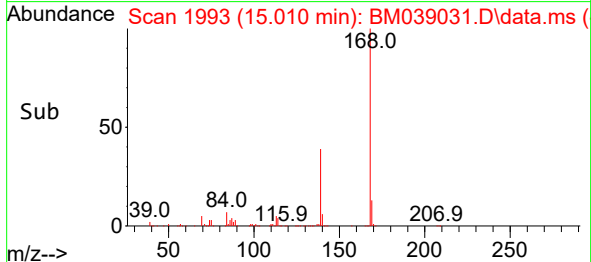
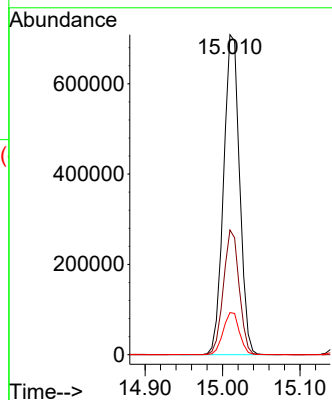
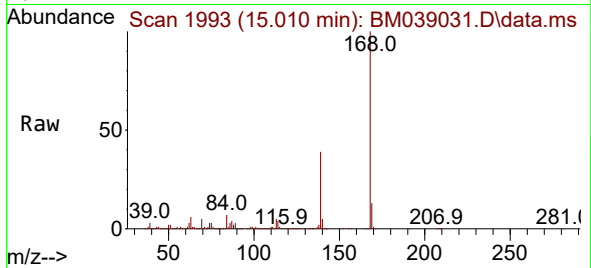




#55
Dibenzofuran
Concen: 9.082 ng
RT: 15.010 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

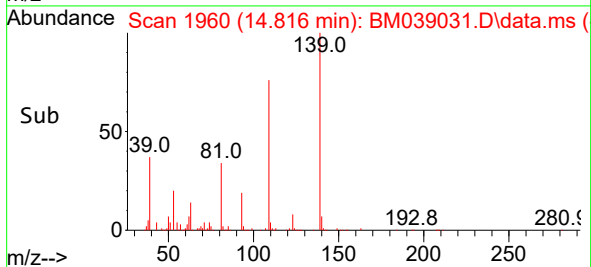
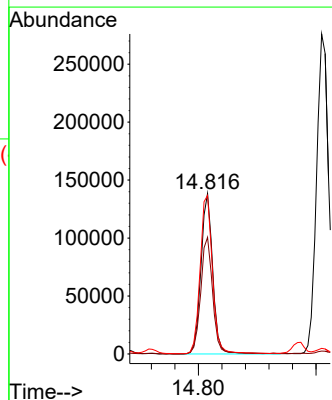
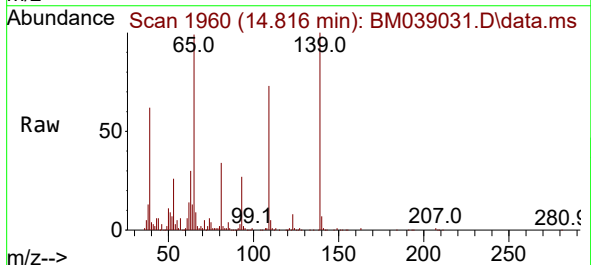
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

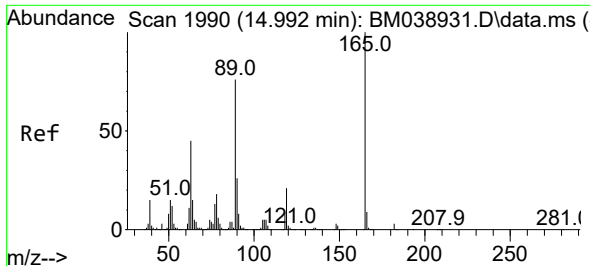
Tgt Ion:168 Resp: 1021029
Ion Ratio Lower Upper
168 100
139 39.0 29.9 44.9
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 10.975 ng
RT: 14.816 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:139 Resp: 192684
Ion Ratio Lower Upper
139 100
109 72.7 53.5 93.5
65 98.8 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 9.890 ng

RT: 14.974 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:165 Resp: 210243

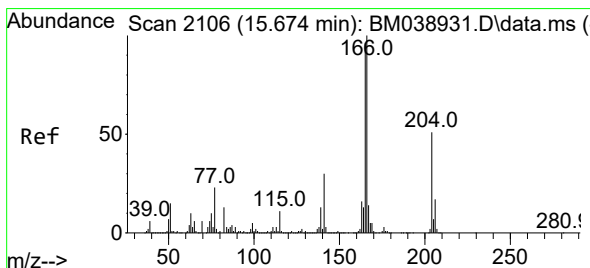
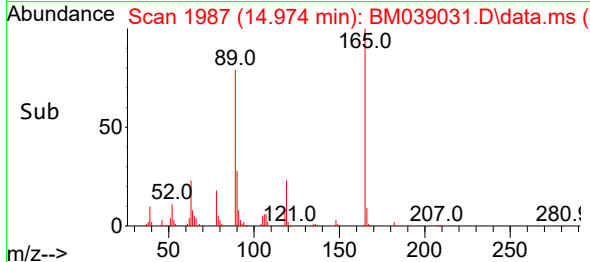
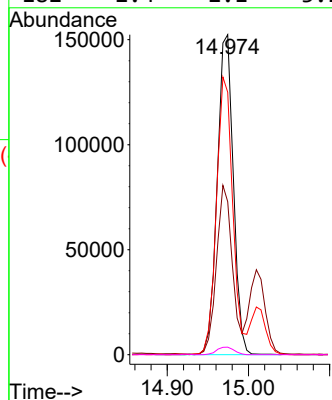
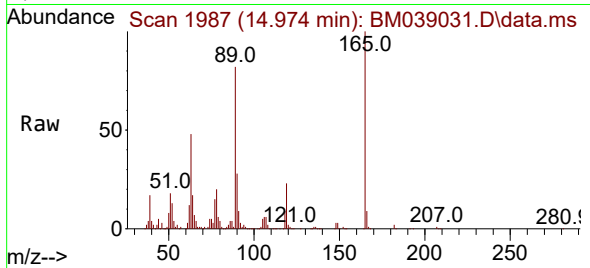
Ion Ratio Lower Upper

165 100

63 47.8 35.9 53.9

89 82.0 61.0 91.6

182 2.4 2.1 3.1



#58

Fluorene

Concen: 9.516 ng

RT: 15.663 min Scan# 2104

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

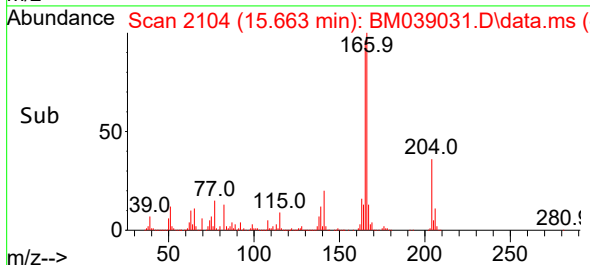
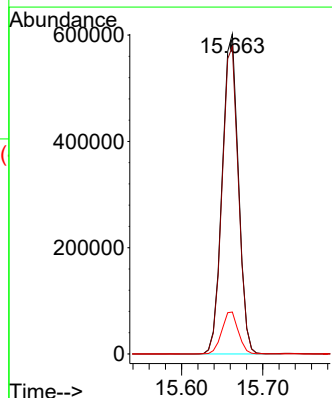
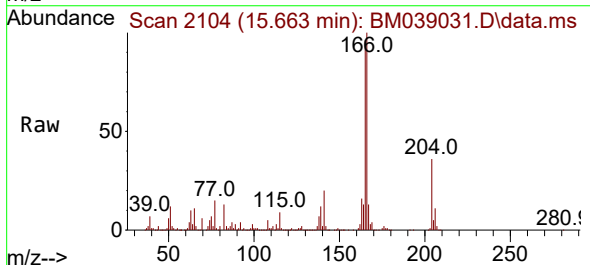
Tgt Ion:166 Resp: 838070

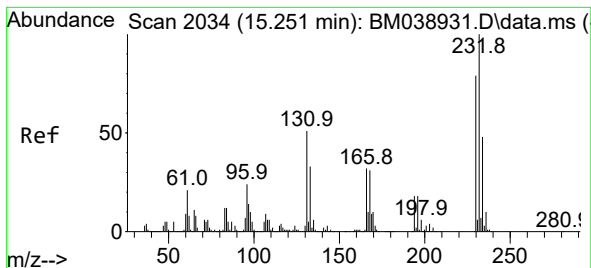
Ion Ratio Lower Upper

166 100

165 96.0 77.1 115.7

167 13.1 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.975 ng

RT: 15.233 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:232 Resp: 195937

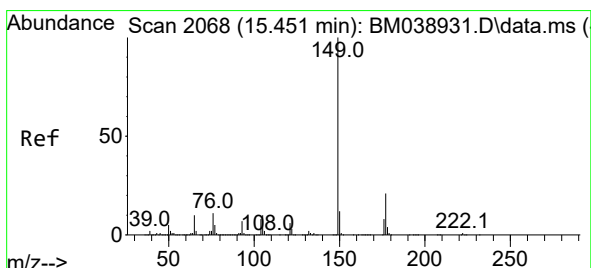
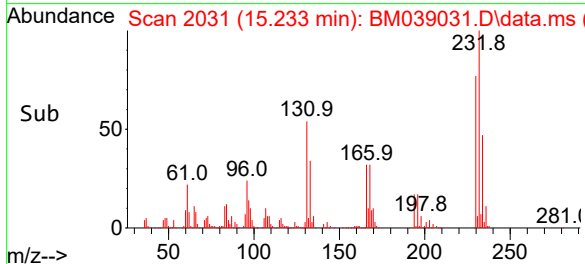
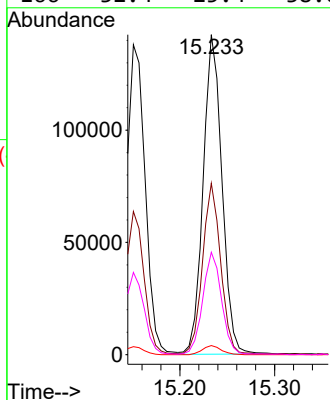
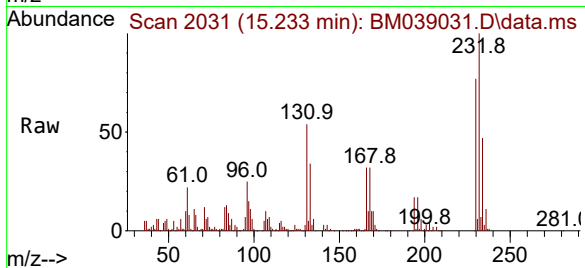
Ion Ratio Lower Upper

232 100

131 51.2 40.0 60.0

130 2.8 2.0 3.0

166 32.4 25.4 38.0



#60

Diethylphthalate

Concen: 9.802 ng

RT: 15.433 min Scan# 2065

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

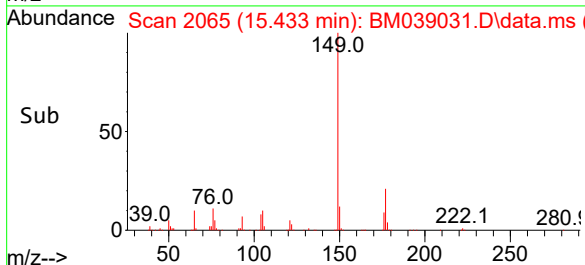
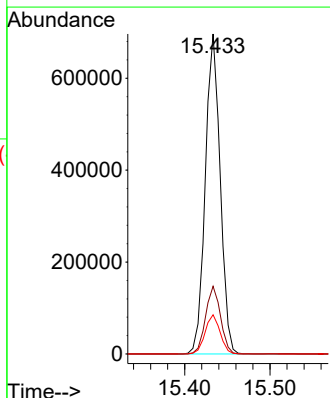
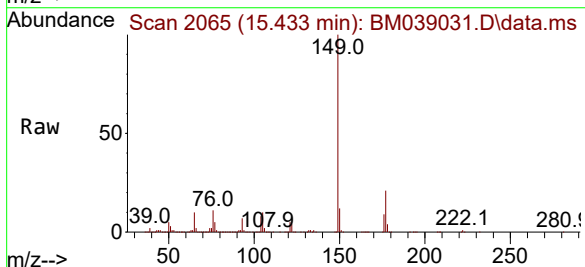
Tgt Ion:149 Resp: 843134

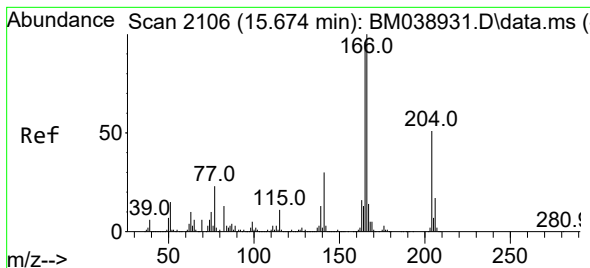
Ion Ratio Lower Upper

149 100

177 21.2 17.1 25.7

150 12.2 9.7 14.5

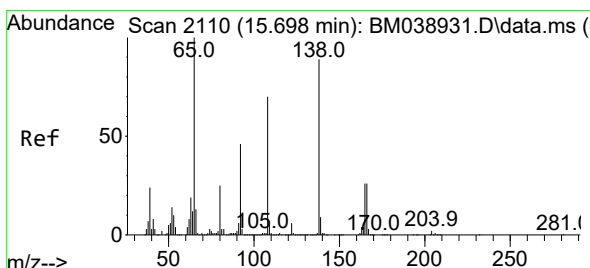
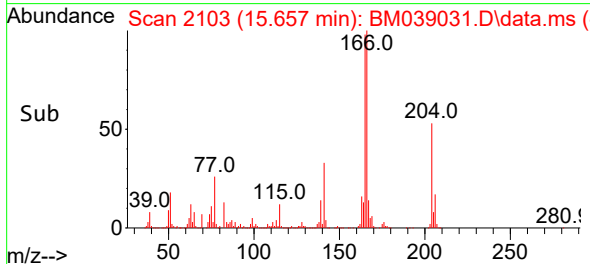
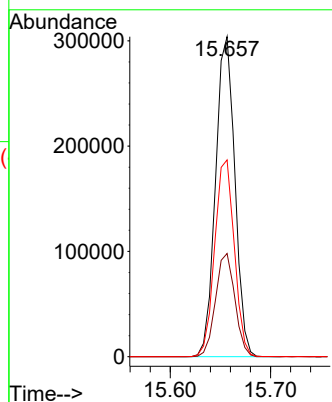
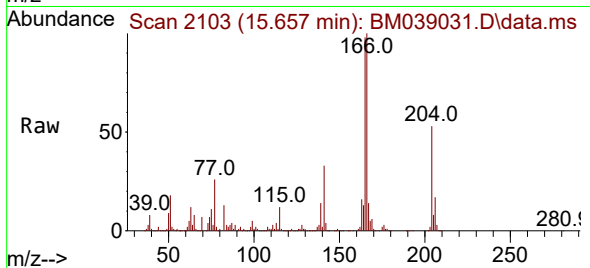




#61
4-Chlorophenyl-phenylether
Concen: 9.389 ng
RT: 15.657 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

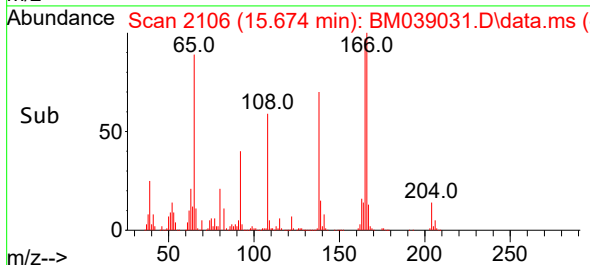
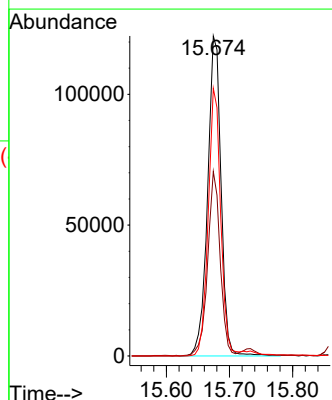
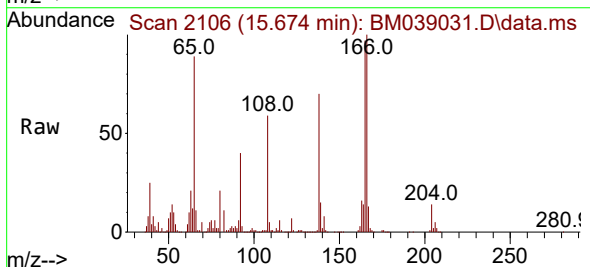
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

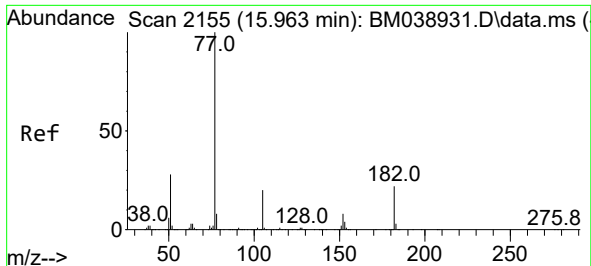
Tgt Ion:204 Resp: 406222
Ion Ratio Lower Upper
204 100
206 32.2 26.4 39.6
141 61.5 46.4 69.6



#62
4-Nitroaniline
Concen: 9.265 ng
RT: 15.674 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:138 Resp: 181469
Ion Ratio Lower Upper
138 100
92 57.7 31.6 71.6
108 83.7 58.6 98.6

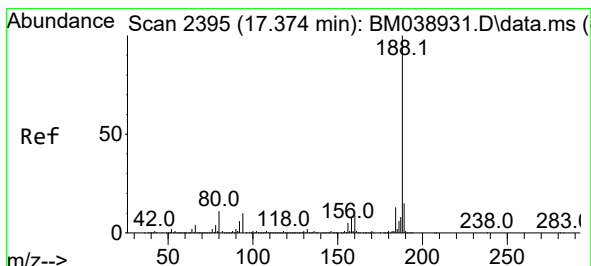
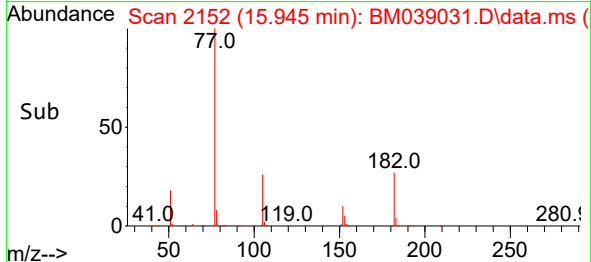
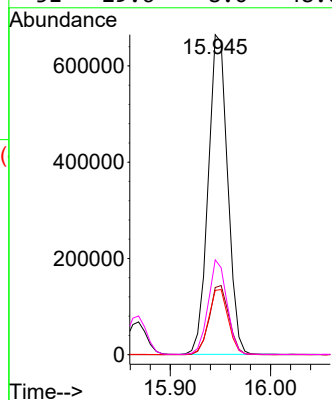
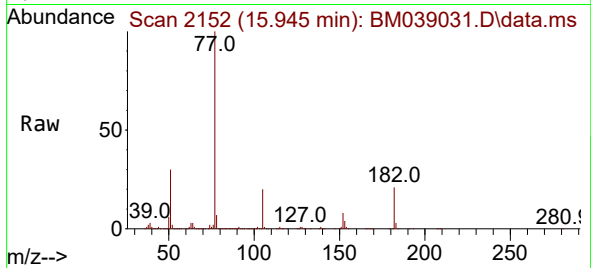




#63
Azobenzene
Concen: 9.846 ng
RT: 15.945 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

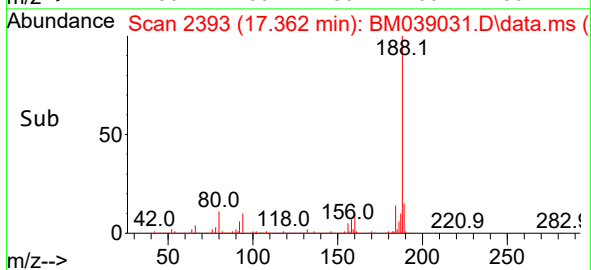
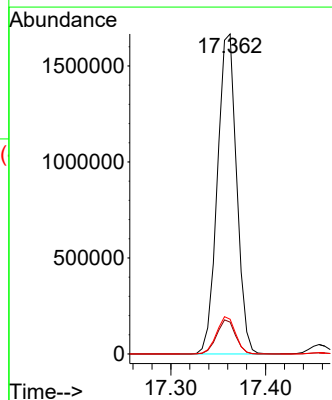
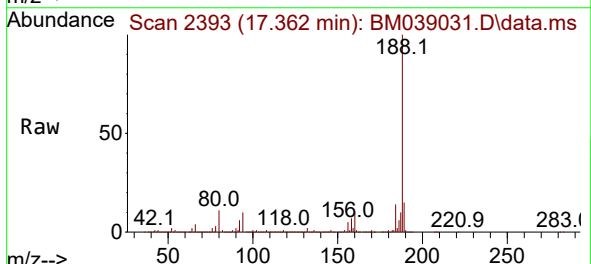
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

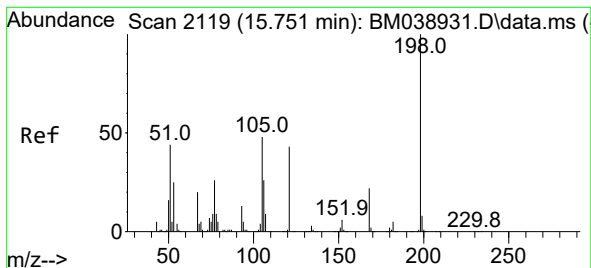
Tgt Ion: 77 Resp: 896121
Ion Ratio Lower Upper
77 100
182 21.0 2.0 42.0
105 20.1 0.4 40.4
51 29.6 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.362 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:188 Resp: 2350189
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.8 8.5 12.7

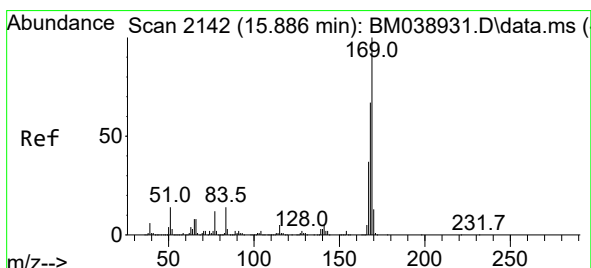
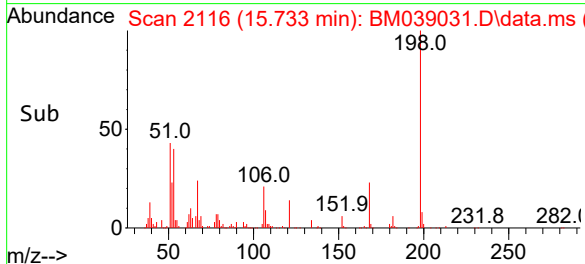
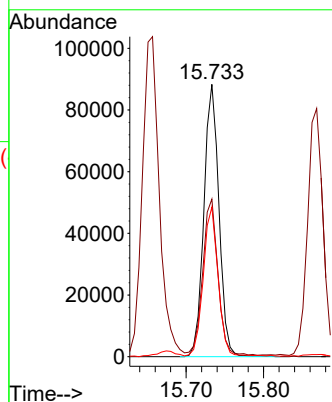
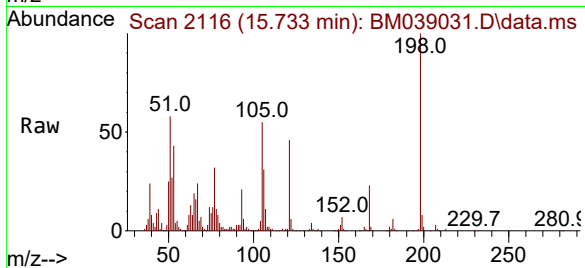




#65
4,6-Dinitro-2-methylphenol
Concen: 11.979 ng
RT: 15.733 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

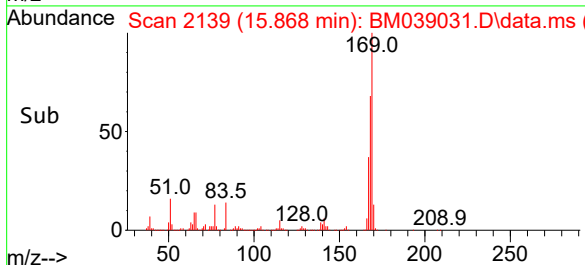
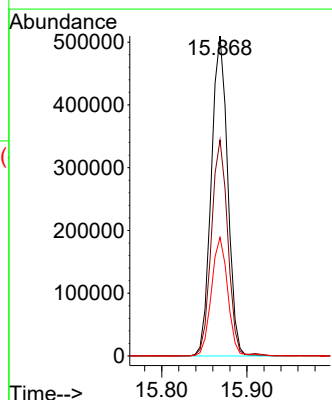
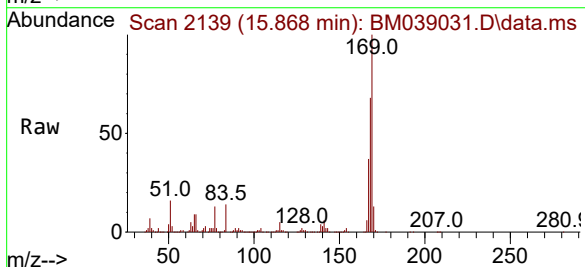
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

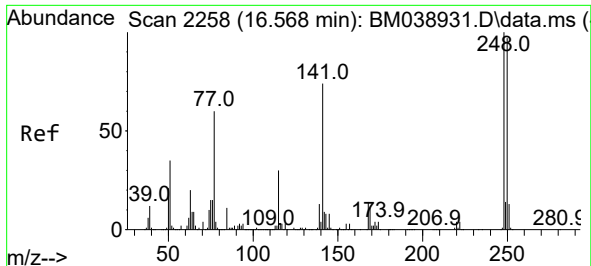
Tgt Ion:198 Resp: 119041
Ion Ratio Lower Upper
198 100
51 57.9 30.1 70.1
105 54.9 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 8.624 ng
RT: 15.868 min Scan# 2139
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:169 Resp: 683313
Ion Ratio Lower Upper
169 100
168 67.5 53.4 80.0
167 37.1 29.4 44.0

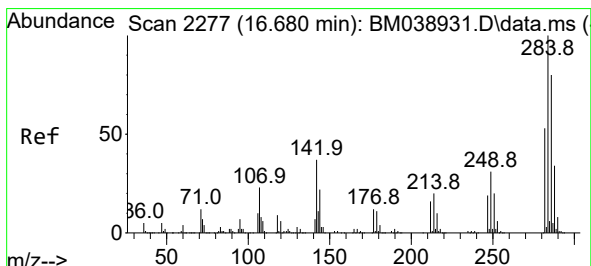
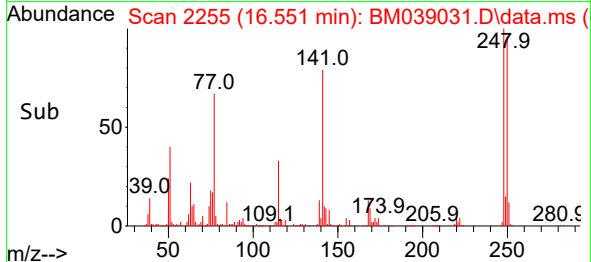
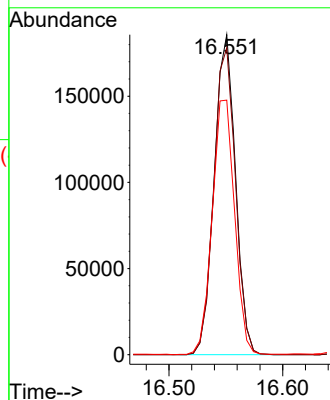
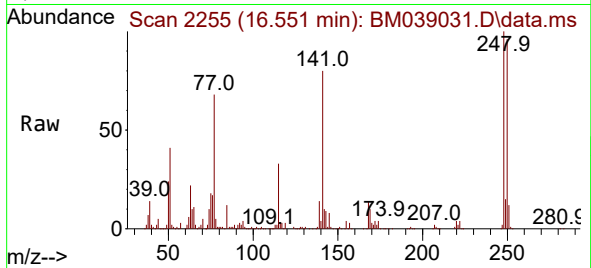




#67
4-Bromophenyl-phenylether
Concen: 9.548 ng
RT: 16.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

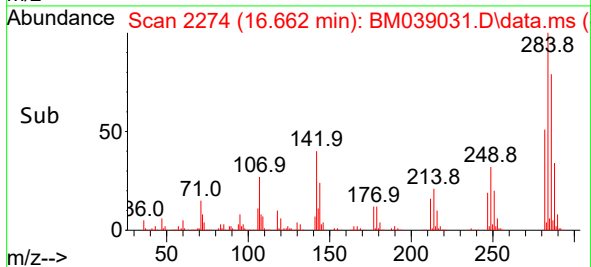
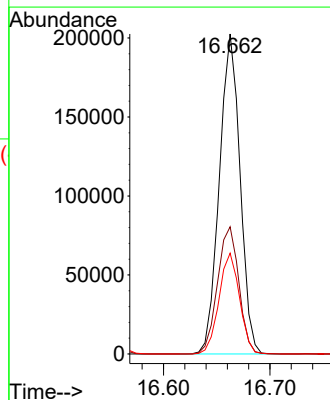
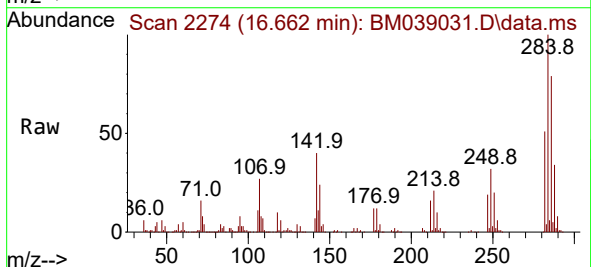
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

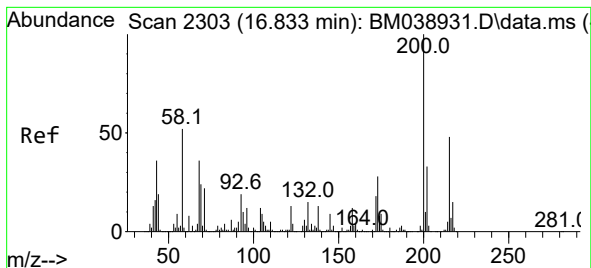
Tgt Ion:248 Resp: 242379
Ion Ratio Lower Upper
248 100
250 95.9 77.8 116.8
141 79.5 59.0 88.4



#68
Hexachlorobenzene
Concen: 9.613 ng
RT: 16.662 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:284 Resp: 272786
Ion Ratio Lower Upper
284 100
142 39.8 29.5 44.3
249 31.5 25.0 37.4





#69

Atrazine

Concen: 7.255 ng

RT: 16.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

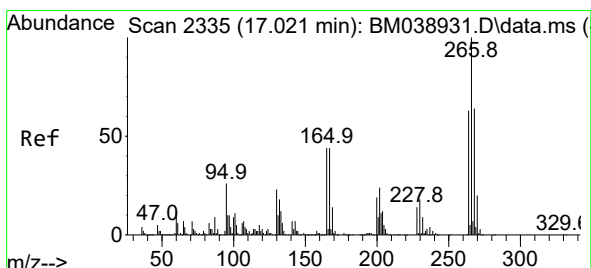
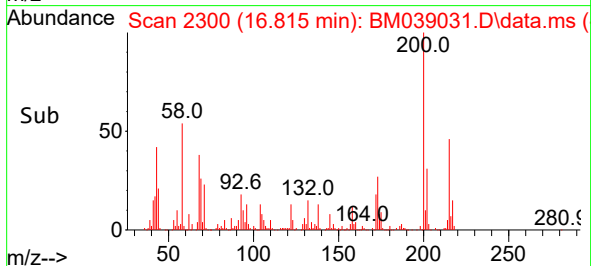
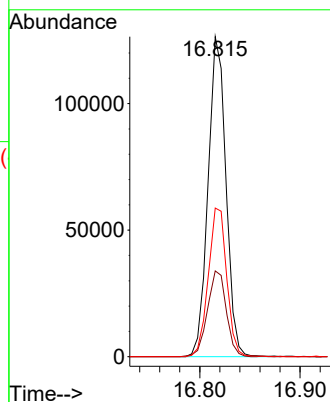
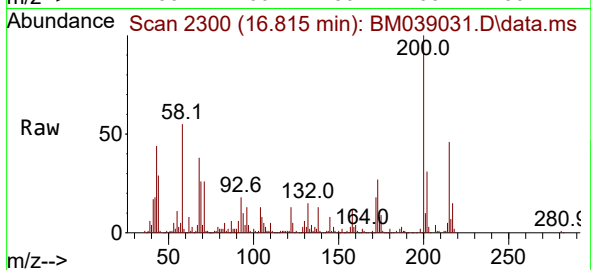
Tgt Ion:200 Resp: 157005

Ion Ratio Lower Upper

200 100

173 26.8 8.2 48.2

215 46.5 27.8 67.8



#70

Pentachlorophenol

Concen: 9.187 ng

RT: 17.004 min Scan# 2332

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

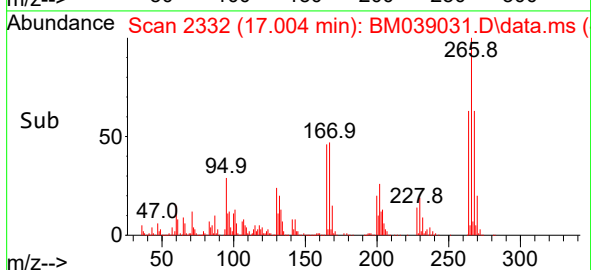
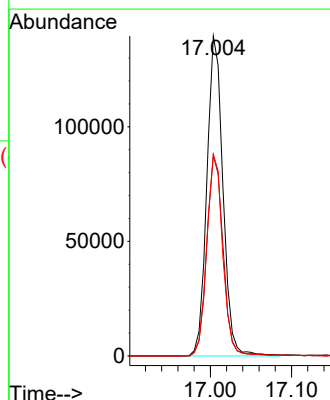
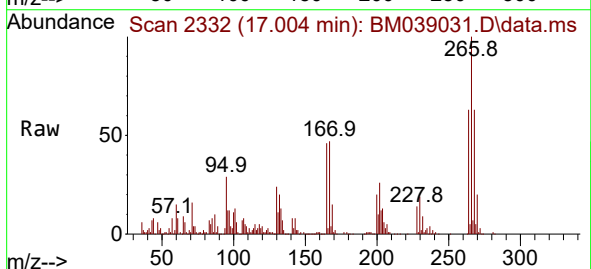
Tgt Ion:266 Resp: 191738

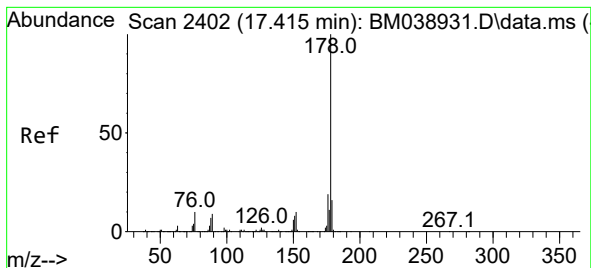
Ion Ratio Lower Upper

266 100

268 62.7 51.0 76.4

264 63.0 50.3 75.5





#71

Phenanthrene

Concen: 9.781 ng

RT: 17.404 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

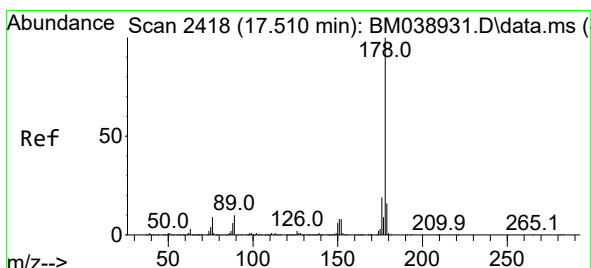
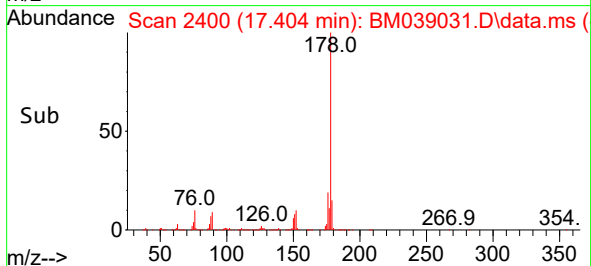
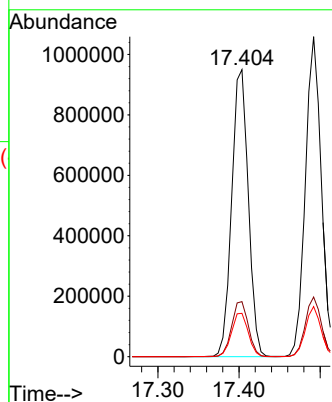
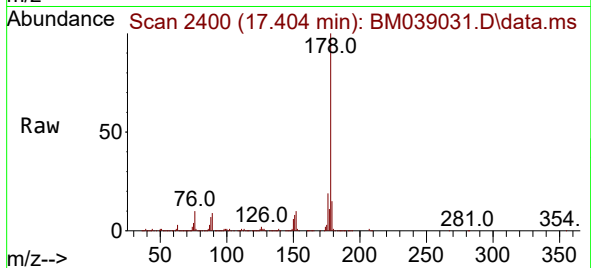
Tgt Ion:178 Resp: 1349147

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.1 12.5 18.7



#72

Anthracene

Concen: 10.597 ng

RT: 17.492 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

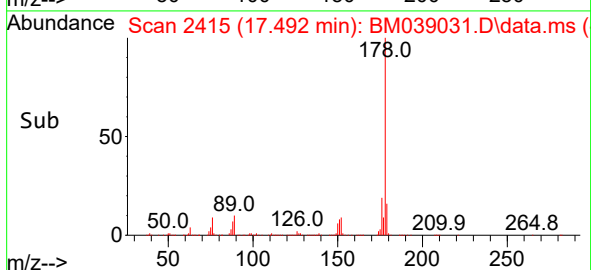
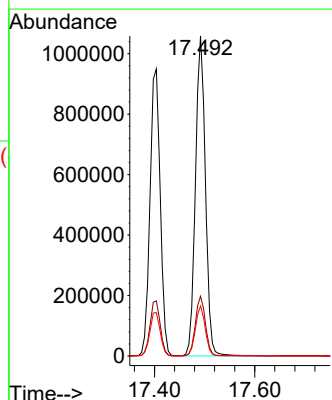
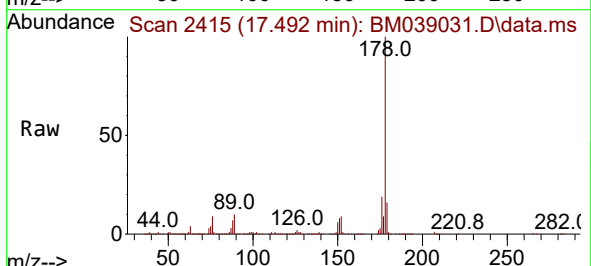
Tgt Ion:178 Resp: 1457738

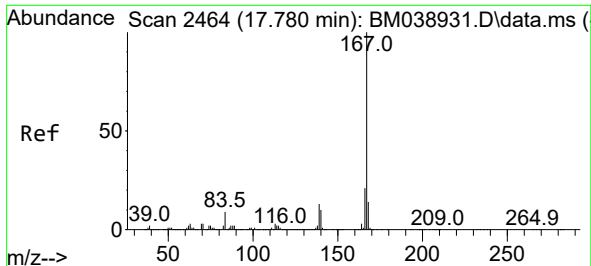
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.6 12.5 18.7

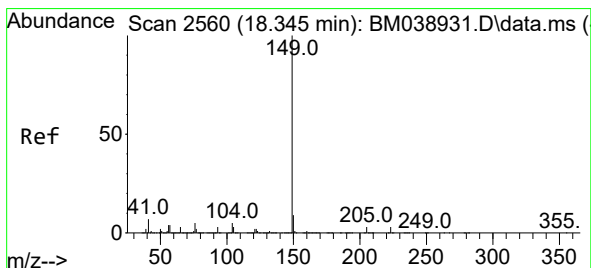
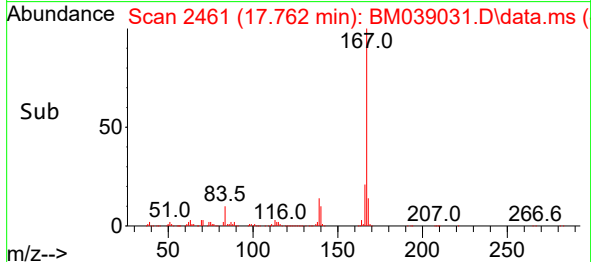
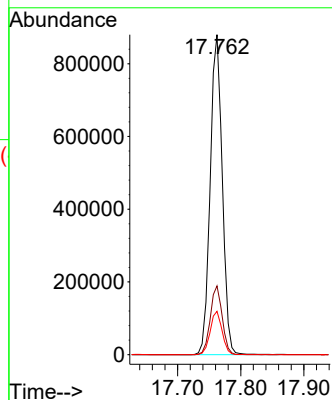
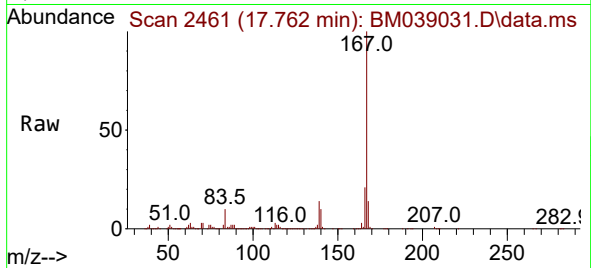




#73
 Carbazole
 Concen: 9.322 ng
 RT: 17.762 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BM039031.D
 Acq: 17 Mar 2023 12:05

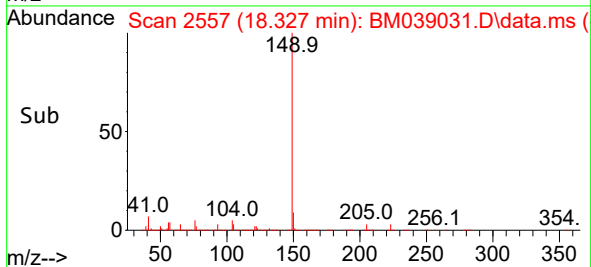
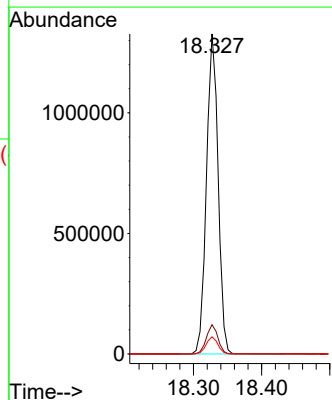
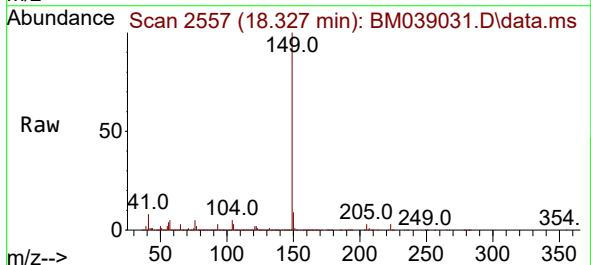
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

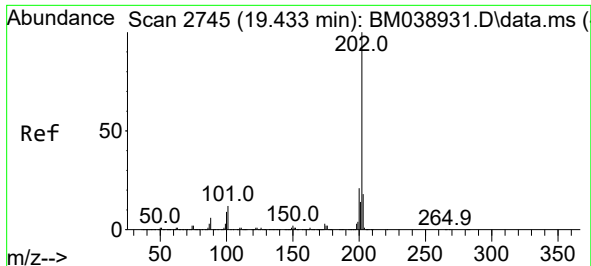
Tgt Ion:167 Resp: 1170263
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.4
 139 13.5 10.3 15.5



#74
 Di-n-butylphthalate
 Concen: 11.682 ng
 RT: 18.327 min Scan# 2557
 Delta R.T. 0.000 min
 Lab File: BM039031.D
 Acq: 17 Mar 2023 12:05

Tgt Ion:149 Resp: 1572325
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 5.4 4.3 6.5

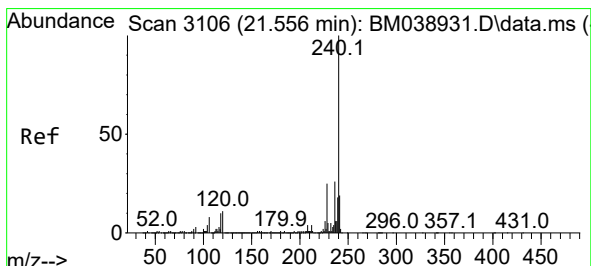
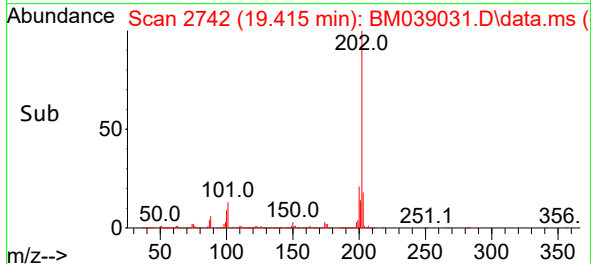
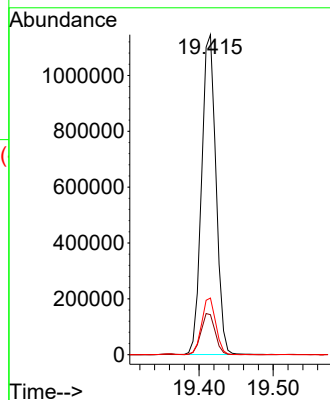
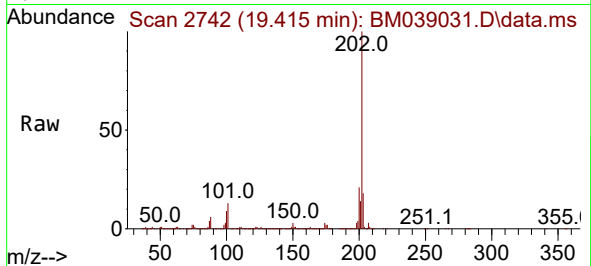




#75
Fluoranthene
Concen: 10.568 ng
RT: 19.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

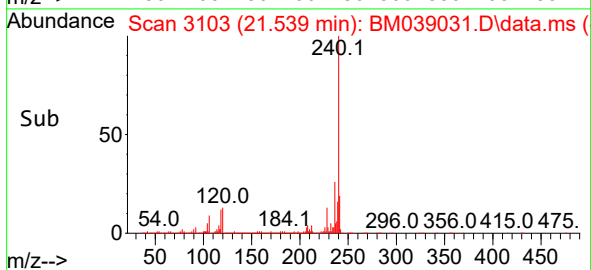
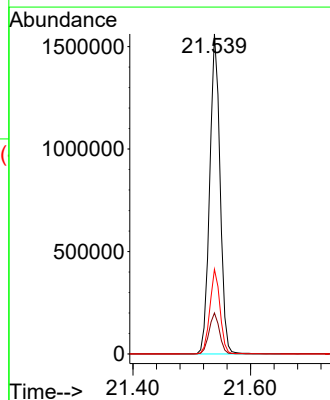
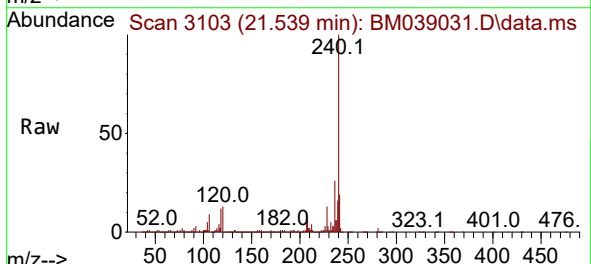
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

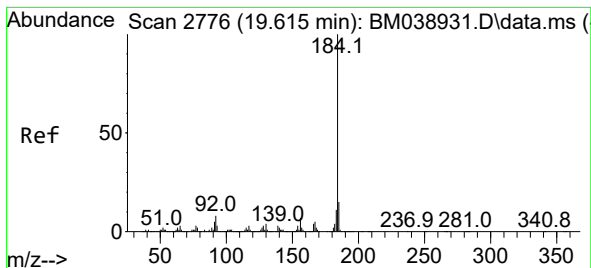
Tgt Ion:202 Resp: 1539041
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.7
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.539 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:240 Resp: 1901917
Ion Ratio Lower Upper
240 100
120 12.8 9.2 13.8
236 26.4 20.8 31.2





#77

Benzidine

Concen: 12.783 ng

RT: 19.598 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

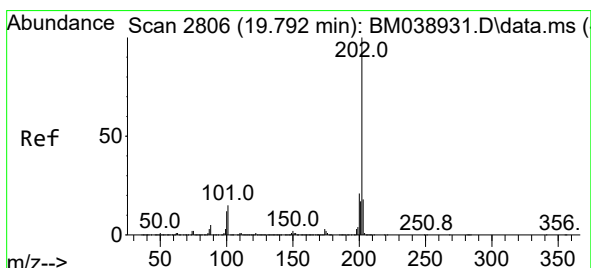
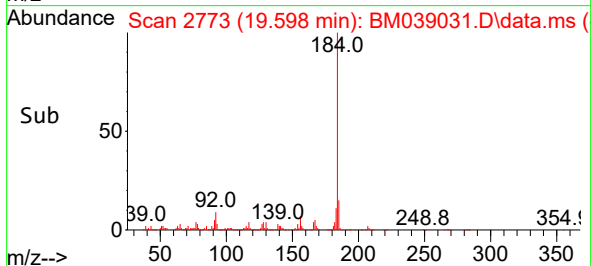
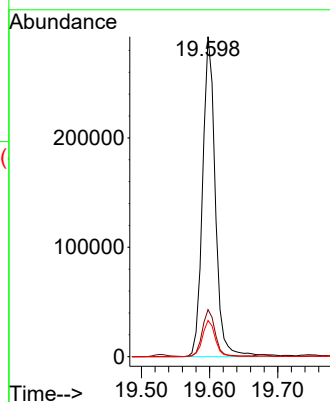
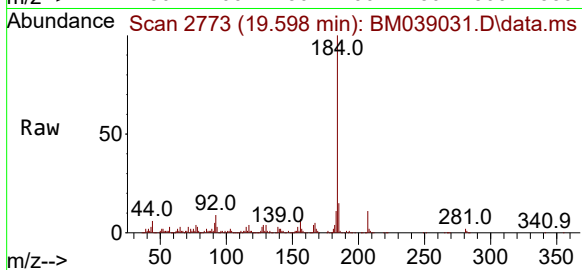
Tgt Ion:184 Resp: 381522

Ion Ratio Lower Upper

184 100

185 14.7 12.2 18.4

183 11.3 8.8 13.2



#78

Pyrene

Concen: 11.300 ng

RT: 19.774 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

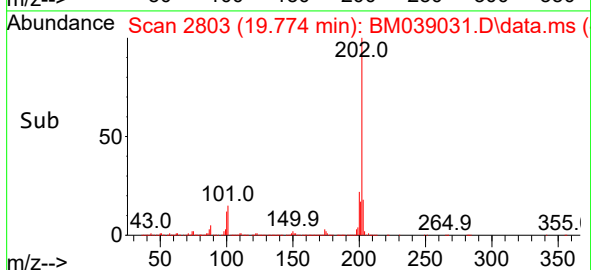
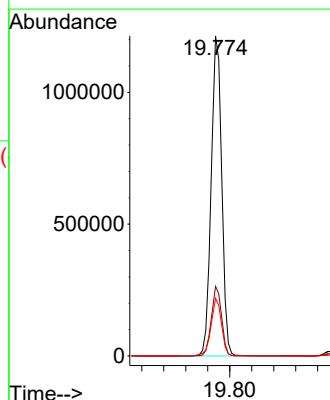
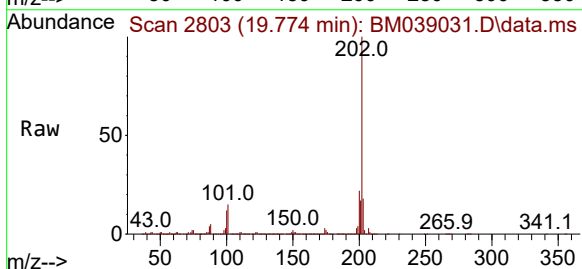
Tgt Ion:202 Resp: 1614248

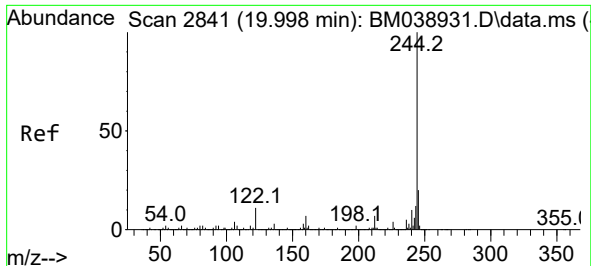
Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.1 14.1 21.1

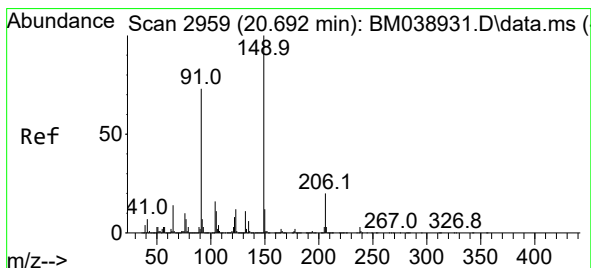
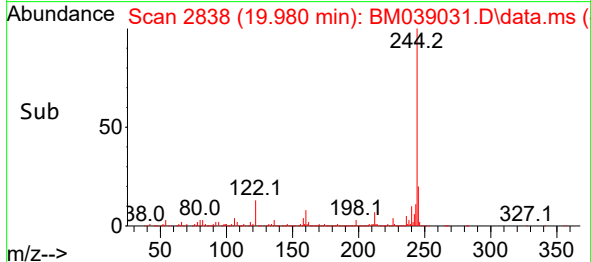
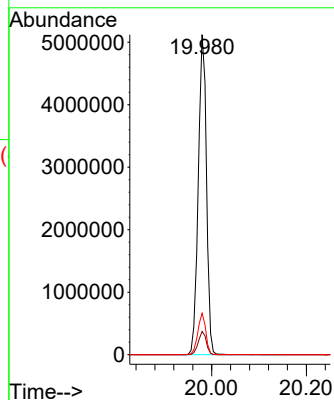
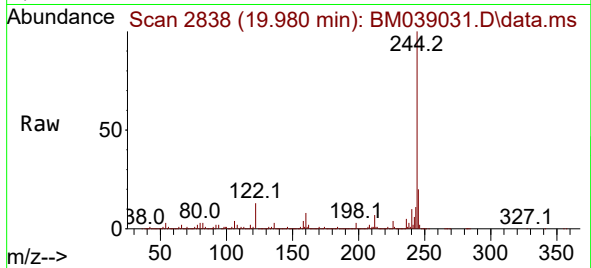




#79
 Terphenyl-d14
 Concen: 59.103 ng
 RT: 19.980 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039031.D
 Acq: 17 Mar 2023 12:05

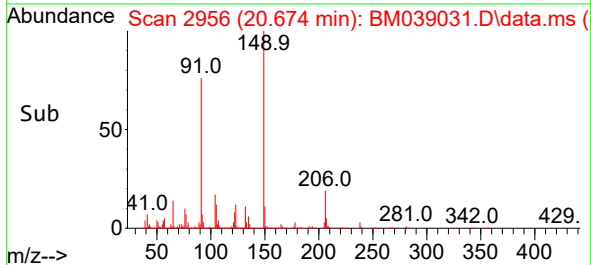
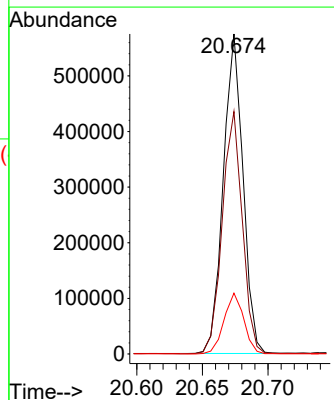
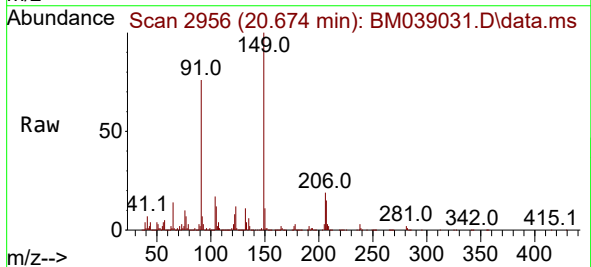
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

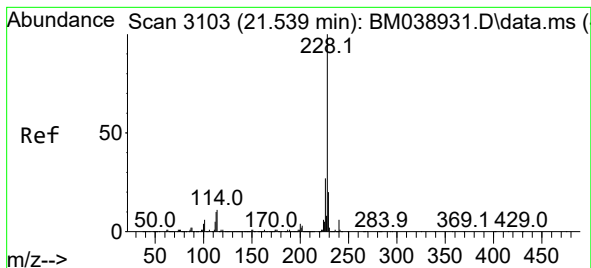
Tgt Ion:244 Resp: 6148210
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 13.0 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 12.480 ng
 RT: 20.674 min Scan# 2956
 Delta R.T. 0.000 min
 Lab File: BM039031.D
 Acq: 17 Mar 2023 12:05

Tgt Ion:149 Resp: 597918
 Ion Ratio Lower Upper
 149 100
 91 75.8 58.4 87.6
 206 19.0 16.1 24.1





#81

Benzo(a)anthracene

Concen: 10.396 ng

RT: 21.521 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

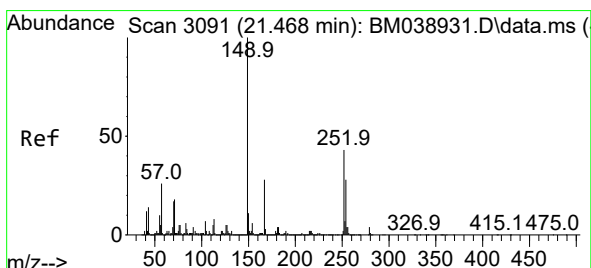
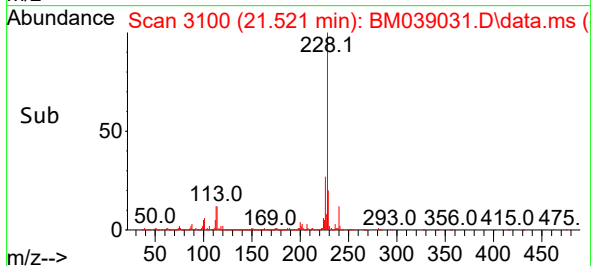
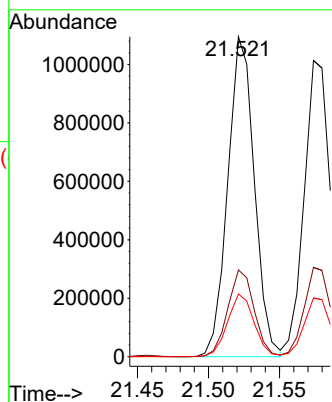
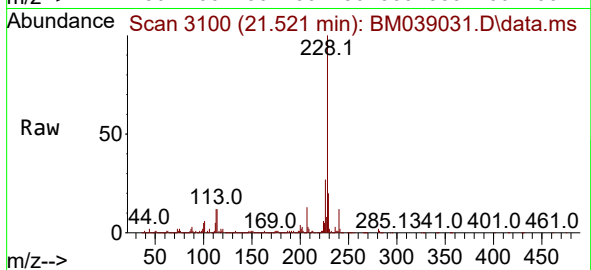
Tgt Ion:228 Resp: 1423906

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

229 19.6 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 7.234 ng

RT: 21.456 min Scan# 3089

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

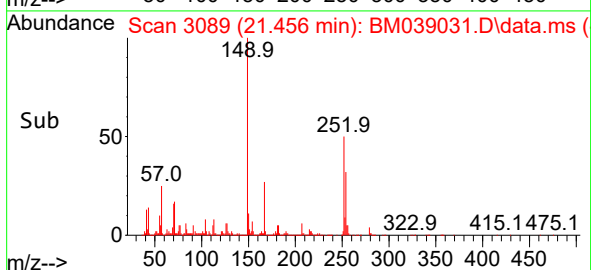
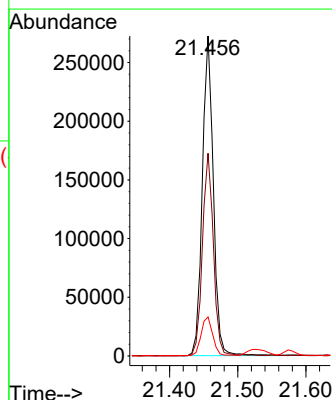
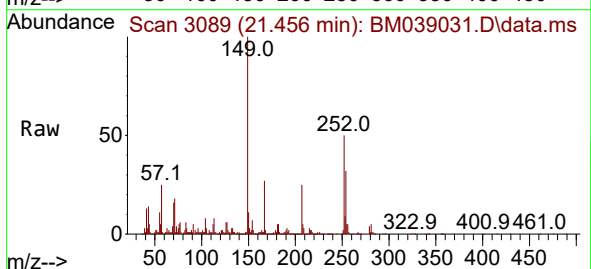
Tgt Ion:252 Resp: 304520

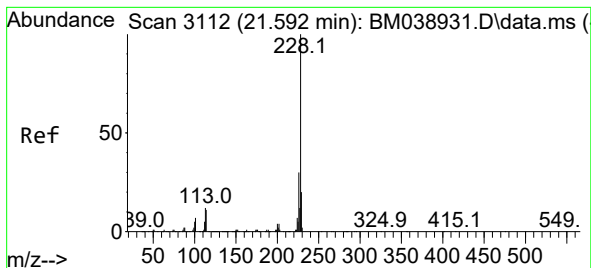
Ion Ratio Lower Upper

252 100

254 63.3 51.5 77.3

126 12.2 9.9 14.9





#83

Chrysene

Concen: 9.840 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

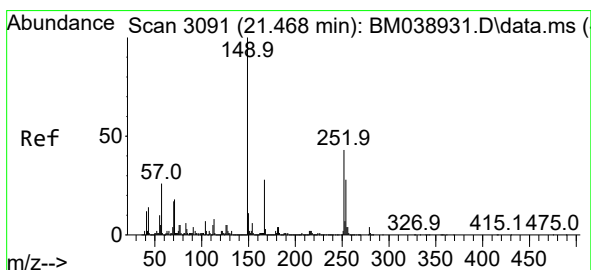
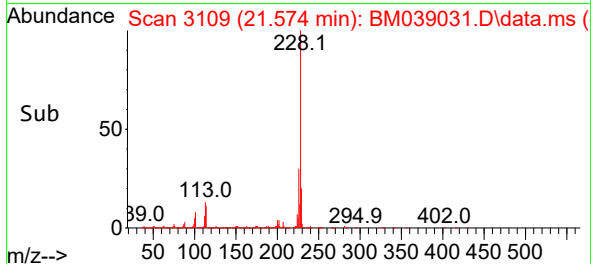
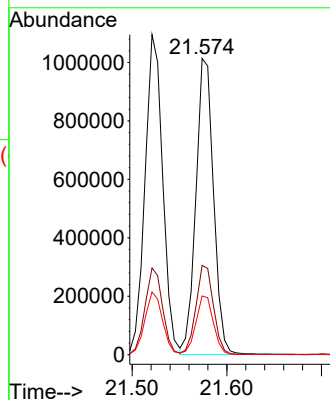
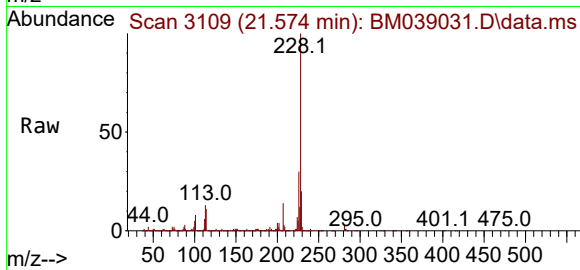
Tgt Ion:228 Resp: 1310747

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 19.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.672 ng

RT: 21.450 min Scan# 3088

Delta R.T. 0.000 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

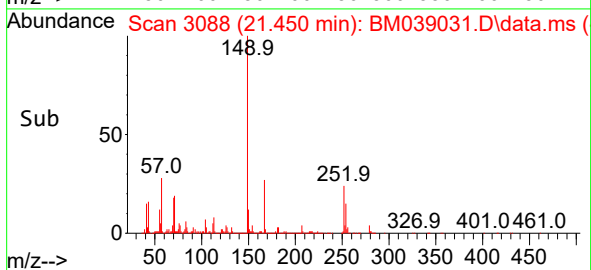
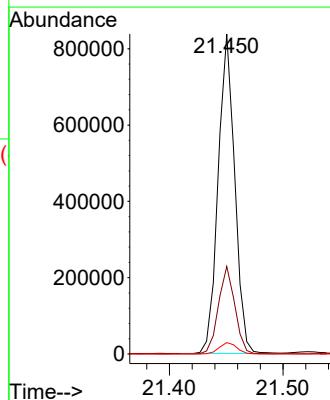
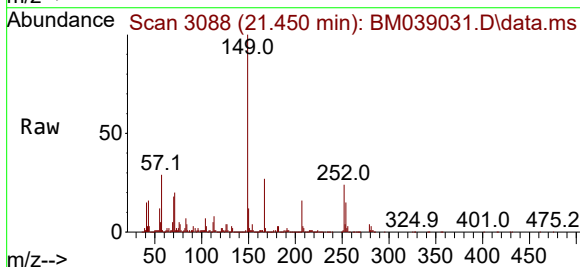
Tgt Ion:149 Resp: 850852

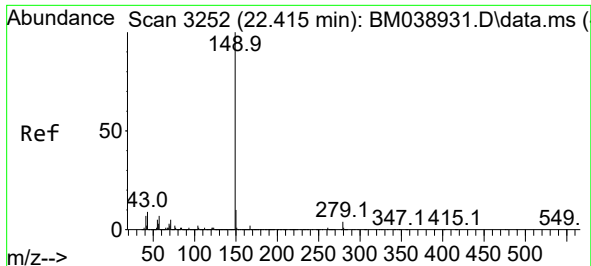
Ion Ratio Lower Upper

149 100

167 27.4 22.3 33.5

279 3.5 3.2 4.8

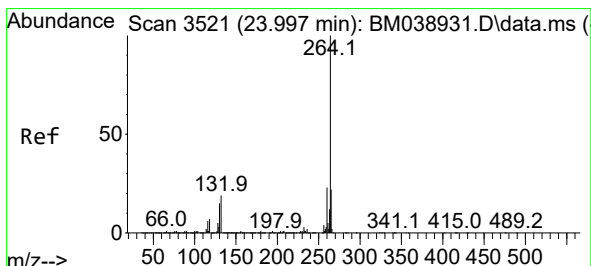
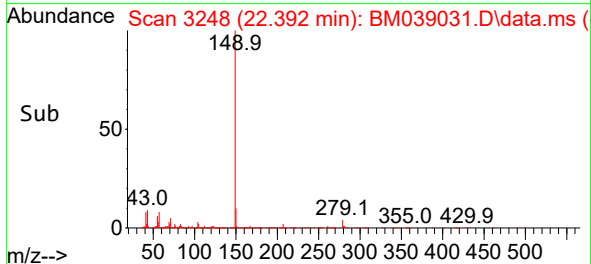
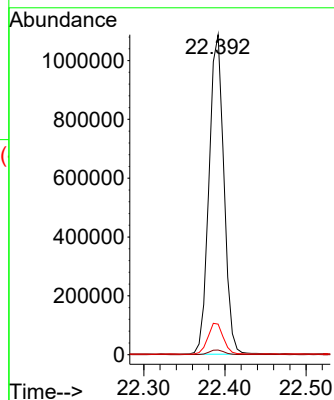
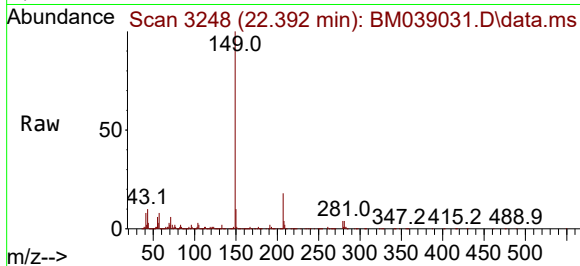




#85
Di-n-octyl phthalate
Concen: 12.524 ng
RT: 22.392 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

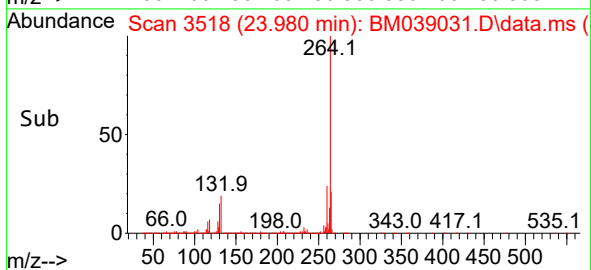
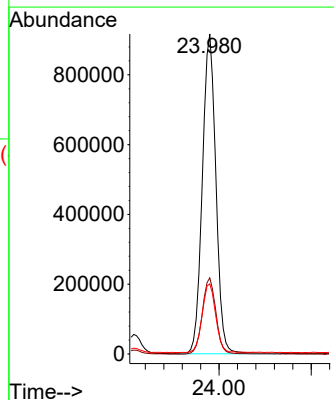
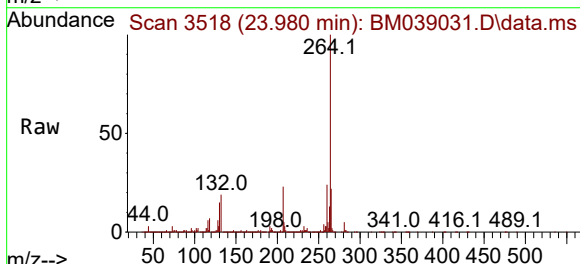
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

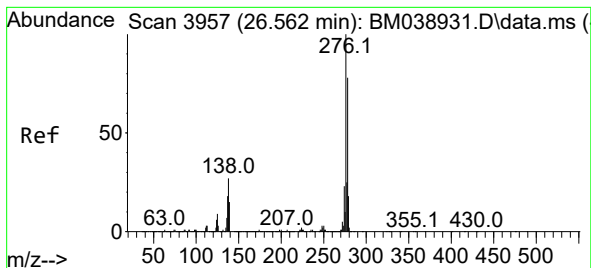
Tgt Ion:149 Resp: 1381227
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.0 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.980 min Scan# 3518
Delta R.T. 0.000 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:264 Resp: 1880868
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.9 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.461 ng

RT: 26.515 min Scan# 3949

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

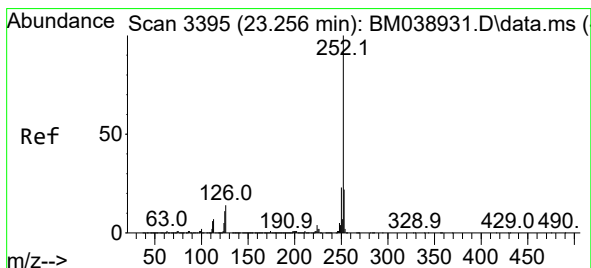
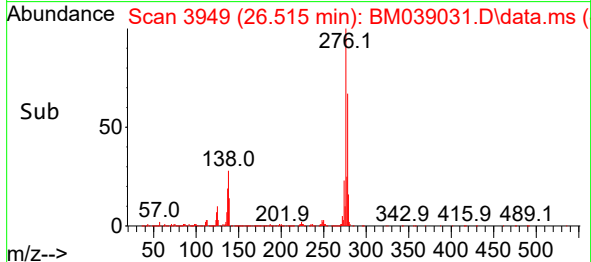
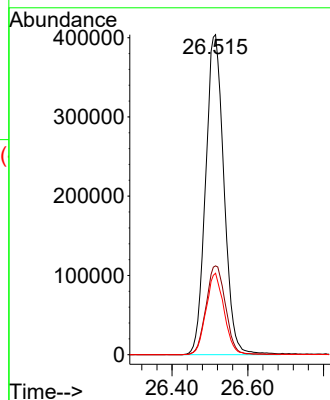
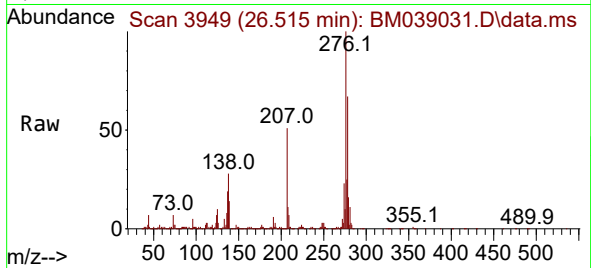
Tgt Ion:276 Resp: 1354010

Ion Ratio Lower Upper

276 100

138 29.5 22.1 33.1

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 10.670 ng

RT: 23.233 min Scan# 3391

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

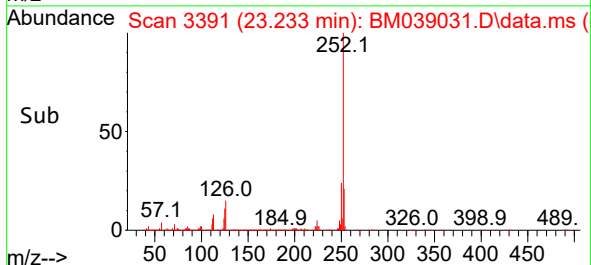
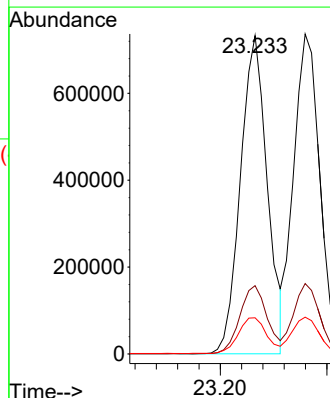
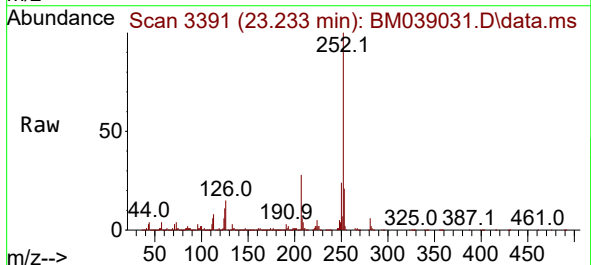
Tgt Ion:252 Resp: 1282103

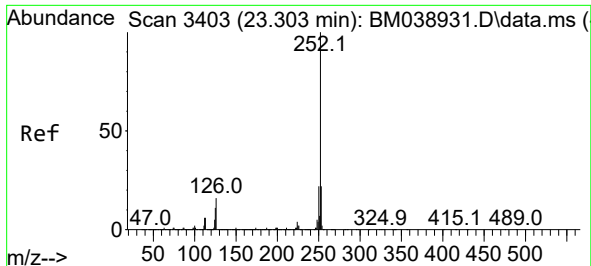
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 11.4 8.8 13.2

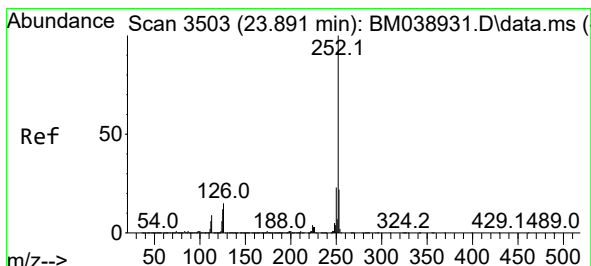
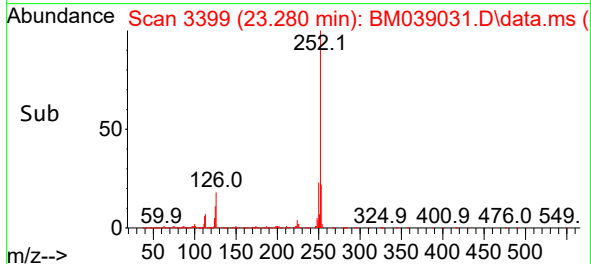
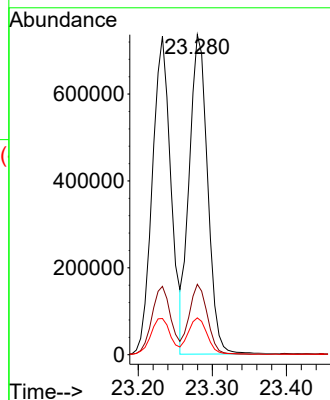
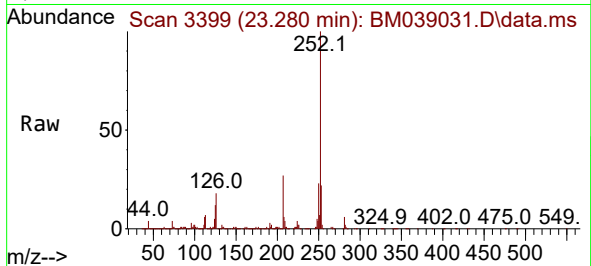




#89
Benzo(k)fluoranthene
Concen: 10.109 ng
RT: 23.280 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

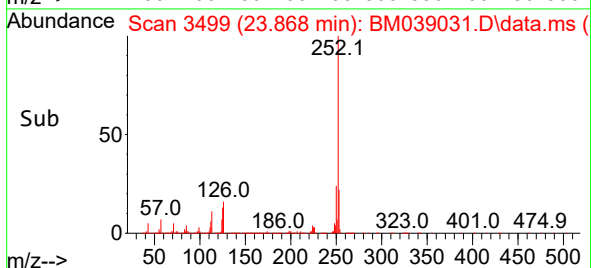
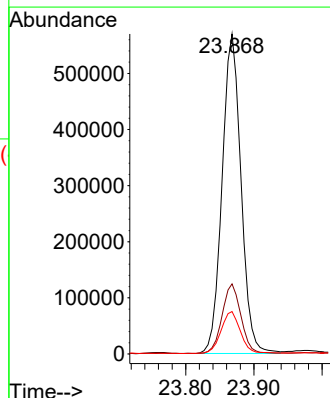
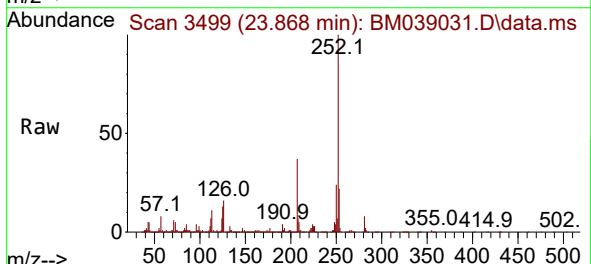
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

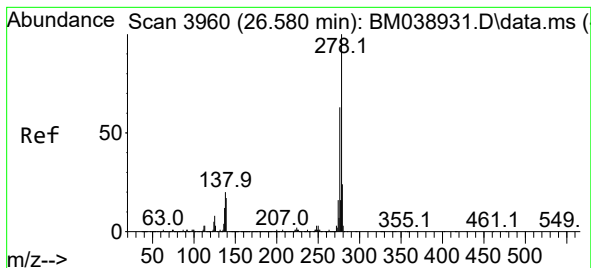
Tgt Ion:252 Resp: 1264135
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.5 8.9 13.3



#90
Benzo(a)pyrene
Concen: 9.508 ng
RT: 23.868 min Scan# 3499
Delta R.T. -0.006 min
Lab File: BM039031.D
Acq: 17 Mar 2023 12:05

Tgt Ion:252 Resp: 1099591
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 13.3 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 9.392 ng

RT: 26.532 min Scan# 3960

Delta R.T. -0.006 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

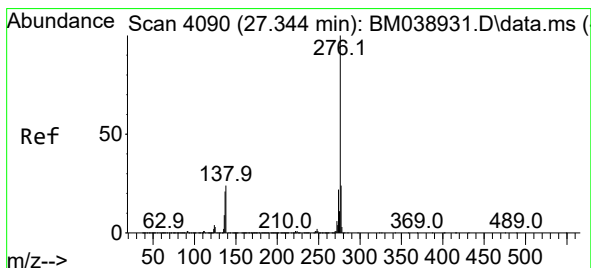
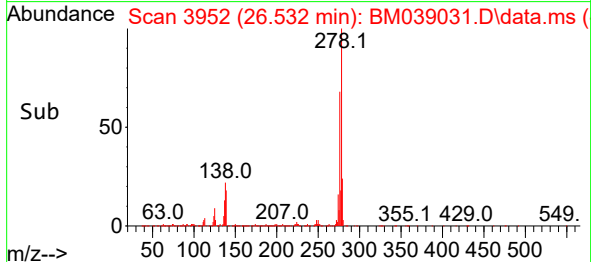
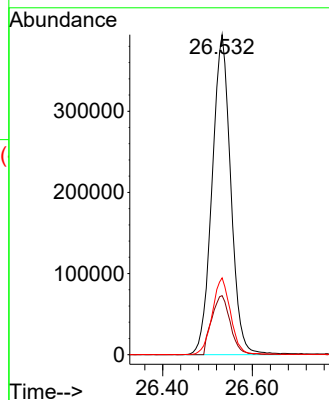
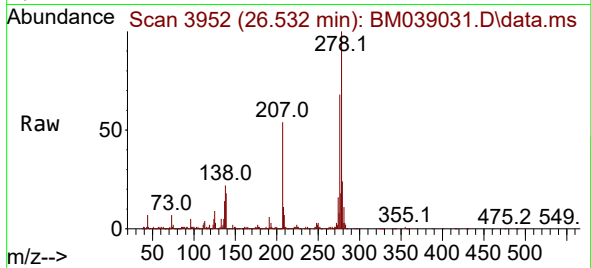
Tgt Ion:278 Resp: 1138348

Ion Ratio Lower Upper

278 100

139 18.4 13.7 20.5

279 24.0 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 8.996 ng

RT: 27.291 min Scan# 4081

Delta R.T. -0.012 min

Lab File: BM039031.D

Acq: 17 Mar 2023 12:05

Tgt Ion:276 Resp: 1066764

Ion Ratio Lower Upper

276 100

277 23.3 19.3 28.9

138 24.9 19.0 28.6

