

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038736.D
 Acq On : 14 Feb 2023 18:48
 Operator : CG/JU
 Sample : 01542-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOILMS

Quant Time: Feb 15 02:09:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	40555	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	143250	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	94084	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	191608	20.000	ng	0.00
76) Chrysene-d12	21.462	240	182212	20.000	ng	# 0.00
86) Perylene-d12	23.844	264	246889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	253400	122.399	ng	0.00
7) Phenol-d6	7.075	99	292450	123.856	ng	0.00
23) Nitrobenzene-d5	9.075	82	173599	68.834	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	150382	117.595	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	486879	65.882	ng	0.00
79) Terphenyl-d14	19.903	244	647751	62.733	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.310	88	37669	41.272	ng	96
3) Pyridine	3.728	79	92971	42.838	ng	96
4) n-Nitrosodimethylamine	3.640	42	43868	44.774	ng	# 90
6) Aniline	7.234	93	61261	20.799	ng	95
8) 2-Chlorophenol	7.463	128	118821	52.598	ng	93
9) Benzaldehyde	7.040	77	52007	49.972	ng	96
10) Phenol	7.104	94	126133	52.876	ng	91
11) bis(2-Chloroethyl)ether	7.328	93	96792	50.104	ng	97
12) 1,3-Dichlorobenzene	7.787	146	149405	51.763	ng	97
13) 1,4-Dichlorobenzene	7.934	146	151626	52.052	ng	99
14) 1,2-Dichlorobenzene	8.251	146	146332	52.437	ng	98
15) Benzyl Alcohol	8.151	79	83982	48.323	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.422	45	83663	45.722	ng	99
17) 2-Methylphenol	8.357	107	89165	48.732	ng	94
18) Hexachloroethane	8.975	117	49915	53.060	ng	91
19) n-Nitroso-di-n-propyla...	8.716	70	68032	47.800	ng	95
20) 3+4-Methylphenols	8.687	107	119589	49.022	ng	96
22) Acetophenone	8.734	105	156147	45.708	ng	# 98
24) Nitrobenzene	9.116	77	112357	43.893	ng	93
25) Isophorone	9.639	82	190760	43.178	ng	99
26) 2-Nitrophenol	9.828	139	70433	49.447	ng	99
27) 2,4-Dimethylphenol	9.892	122	103360	50.293	ng	95
28) bis(2-Chloroethoxy)met...	10.128	93	123565	45.765	ng	99
29) 2,4-Dichlorophenol	10.363	162	133970	45.883	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	136672	44.005	ng	98
31) Naphthalene	10.757	128	353699	48.116	ng	99
32) Benzoic acid	10.039	122	76403	45.925	ng	90
33) 4-Chloroaniline	10.886	127	22668	7.036	ng	# 89
34) Hexachlorobutadiene	11.028	225	67592	43.444	ng	98
35) Caprolactam	11.680	113	17260	27.448	ng	96
36) 4-Chloro-3-methylphenol	12.010	107	97788	45.293	ng	95
37) 2-Methylnaphthalene	12.369	142	265000	44.610	ng	98
38) 1-Methylnaphthalene	12.586	142	249550	44.582	ng	98
40) 1,2,4,5-Tetrachloroben...	12.733	216	113861	46.501	ng	# 98
41) Hexachlorocyclopentadiene	12.704	237	148721	97.880	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	90351	46.969	ng	95

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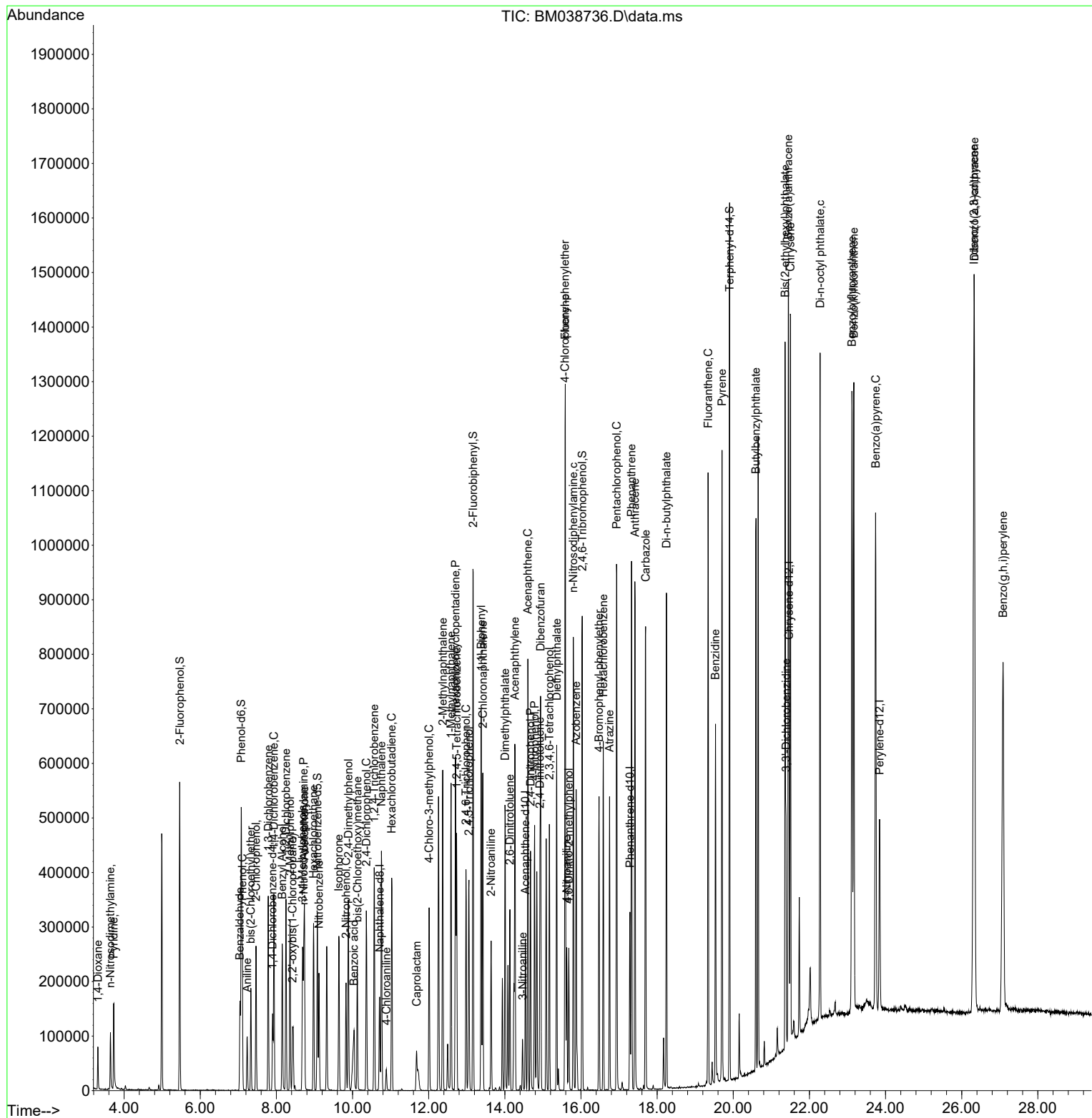
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.057	196	98350	43.447	ng	96
46) 1,1'-Biphenyl	13.380	154	369077	49.522	ng	100
47) 2-Chloronaphthalene	13.422	162	290891	49.602	ng	98
48) 2-Nitroaniline	13.639	65	58758	44.558	ng	94
49) Acenaphthylene	14.263	152	460623	49.867	ng	99
50) Dimethylphthalate	14.004	163	356872	46.481	ng	100
51) 2,6-Dinitrotoluene	14.133	165	76440	48.985	ng	96
52) Acenaphthene	14.604	154	268814	48.739	ng	99
53) 3-Nitroaniline	14.469	138	28479	18.475	ng	86
54) 2,4-Dinitrophenol	14.674	184	97445	95.937	ng	93
55) Dibenzofuran	14.939	168	438139	46.131	ng	98
56) 4-Nitrophenol	14.780	139	137930	110.209	ng	93
57) 2,4-Dinitrotoluene	14.921	165	107893	46.896	ng	98
58) Fluorene	15.586	166	361224	48.067	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.168	232	75231	47.751	ng	97
60) Diethylphthalate	15.363	149	353793	48.641	ng	98
61) 4-Chlorophenyl-phenyle...	15.580	204	145840	45.745	ng	99
62) 4-Nitroaniline	15.627	138	70629	42.354	ng	94
63) Azobenzene	15.874	77	293535	52.454	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	55127	45.703	ng	96
66) n-Nitrosodiphenylamine	15.798	169	301317	48.162	ng	98
67) 4-Bromophenyl-phenylether	16.474	248	88098	47.618	ng	97
68) Hexachlorobenzene	16.586	284	115790	51.210	ng	96
69) Atrazine	16.751	200	96112	53.004	ng	98
70) Pentachlorophenol	16.939	266	147067	89.226	ng	98
71) Phenanthrene	17.327	178	555782	48.851	ng	99
72) Anthracene	17.415	178	572005	49.146	ng	100
73) Carbazole	17.698	167	553691	51.009	ng	98
74) Di-n-butylphthalate	18.245	149	667290	54.412	ng	100
75) Fluoranthene	19.339	202	605623	50.699	ng	98
77) Benzidine	19.533	184	359898	64.592	ng	98
78) Pyrene	19.703	202	646840	46.109	ng	100
80) Butylbenzylphthalate	20.598	149	333022	47.697	ng	99
81) Benzo(a)anthracene	21.445	228	640635	49.704	ng	99
82) 3,3'-Dichlorobenzidine	21.386	252	113366	25.566	ng	96
83) Chrysene	21.503	228	602727	48.534	ng	100
84) Bis(2-ethylhexyl)phtha...	21.362	149	492833	48.480	ng	98
85) Di-n-octyl phthalate	22.280	149	885434	53.621	ng	100
87) Indeno(1,2,3-cd)pyrene	26.321	276	974112	50.092	ng	98
88) Benzo(b)fluoranthene	23.115	252	747717	50.564	ng	98
89) Benzo(k)fluoranthene	23.168	252	759992	50.611	ng	99
90) Benzo(a)pyrene	23.738	252	682192	46.650	ng	97
91) Dibenzo(a,h)anthracene	26.332	278	825157	50.434	ng	98
92) Benzo(g,h,i)perylene	27.085	276	790591	47.803	ng	99

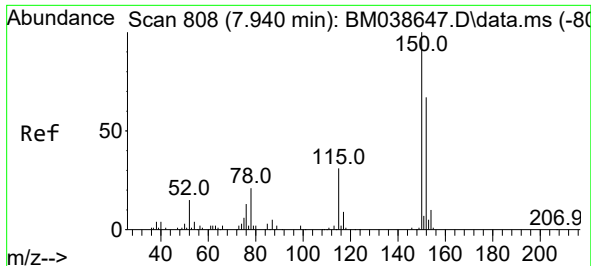
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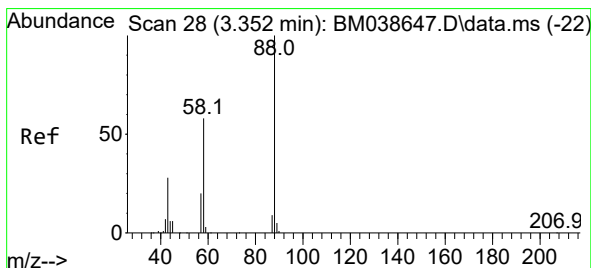
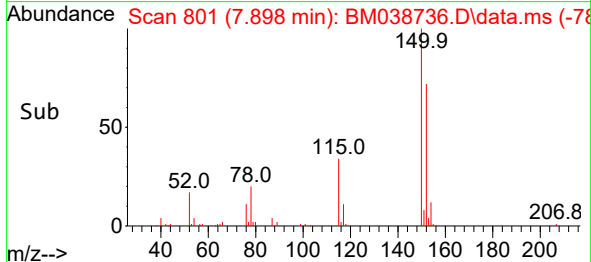
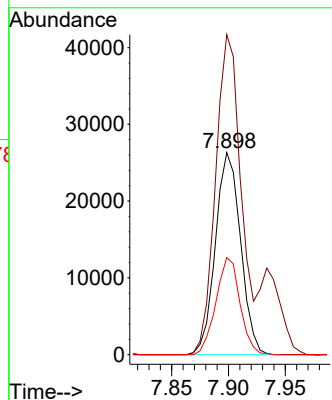
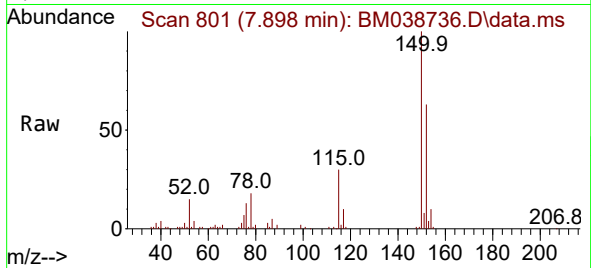




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.898 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BM038736.D
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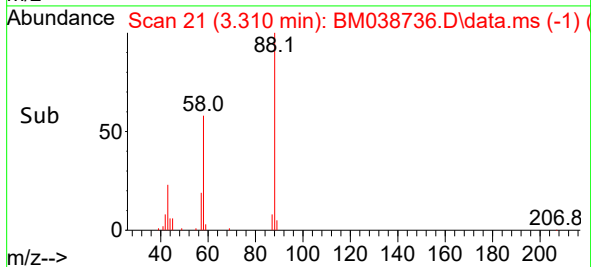
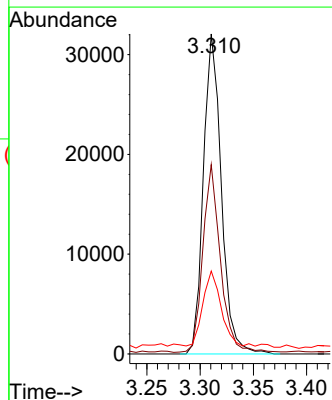
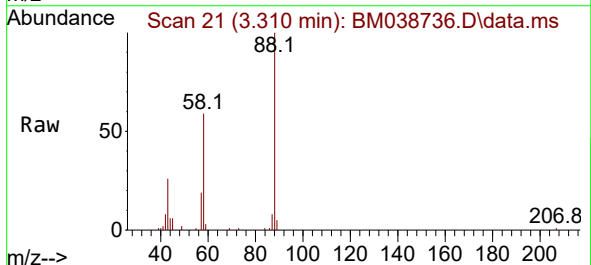
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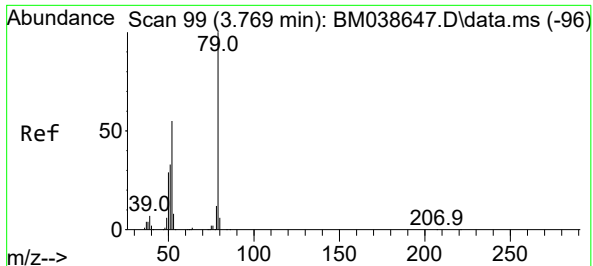
Tgt Ion:152 Resp: 40555
 Ion Ratio Lower Upper
 152 100
 150 158.3 119.5 179.3
 115 48.1 37.6 56.4



#2
 1,4-Dioxane
 Concen: 41.272 ng
 RT: 3.310 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

Tgt Ion: 88 Resp: 37669
 Ion Ratio Lower Upper
 88 100
 58 57.3 47.0 70.4
 43 24.3 22.6 33.8

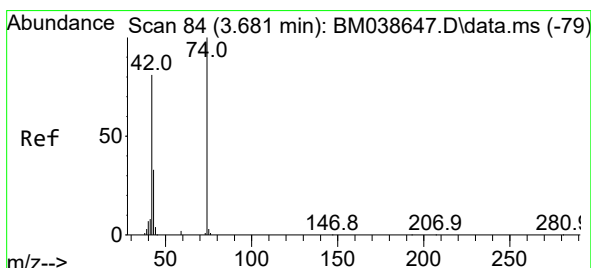
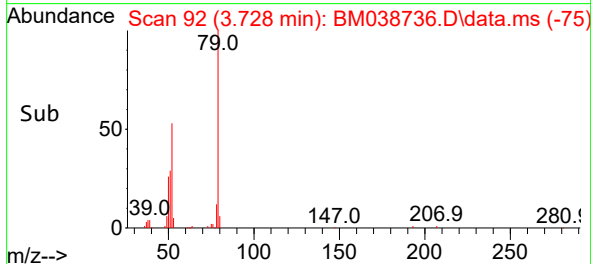
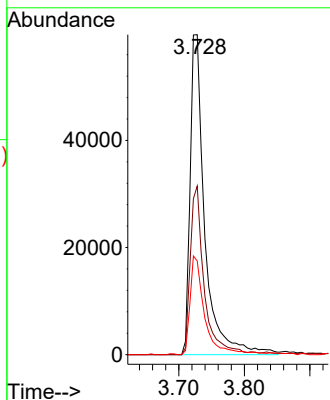
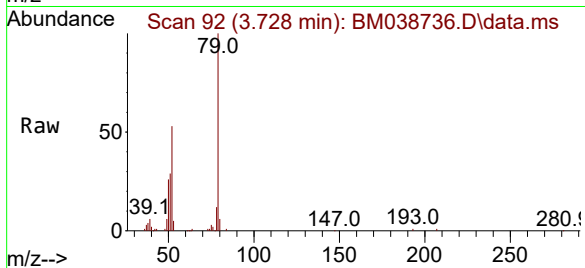




#3
 Pyridine
 Concen: 42.838 ng
 RT: 3.728 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

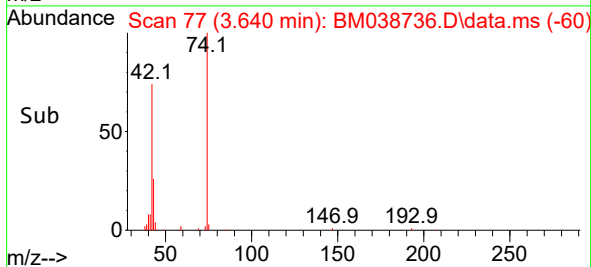
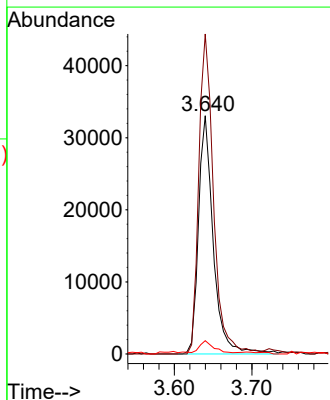
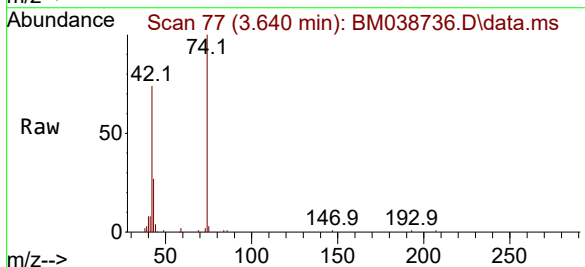
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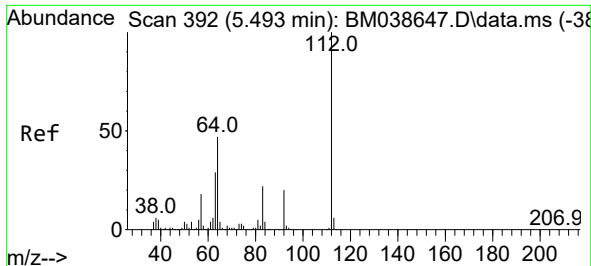
Tgt Ion: 79 Resp: 92971
 Ion Ratio Lower Upper
 79 100
 52 52.7 43.7 65.5
 51 29.2 26.6 40.0



#4
 n-Nitrosodimethylamine
 Concen: 44.774 ng
 RT: 3.640 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

Tgt Ion: 42 Resp: 43868
 Ion Ratio Lower Upper
 42 100
 74 134.4 98.4 147.6
 44 5.6 3.5 5.3

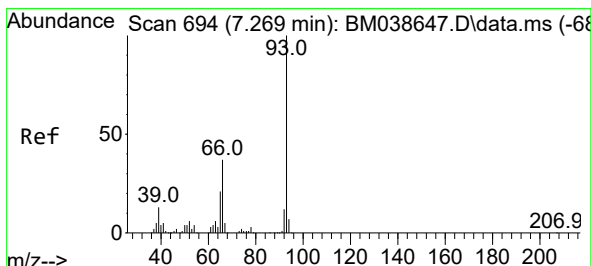
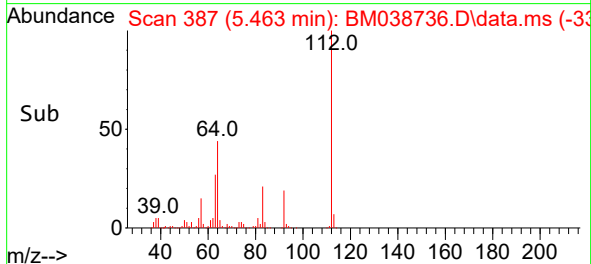
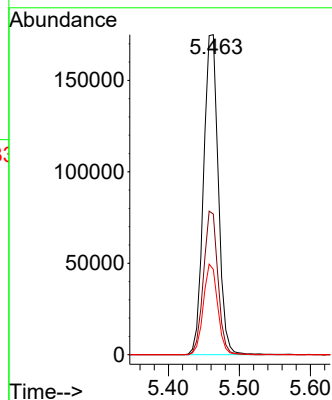
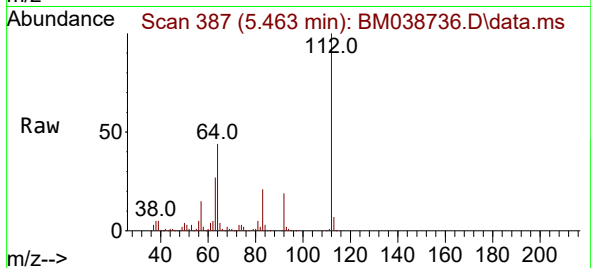




#5
2-Fluorophenol
Concen: 122.399 ng
RT: 5.463 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

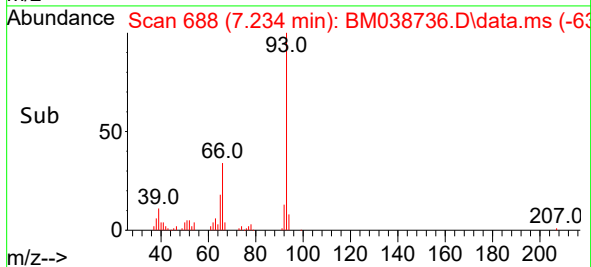
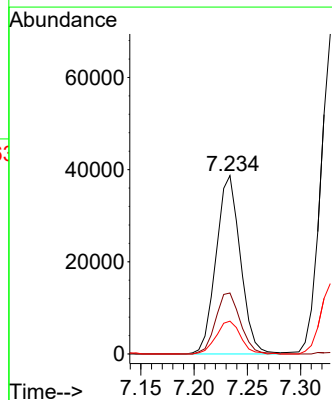
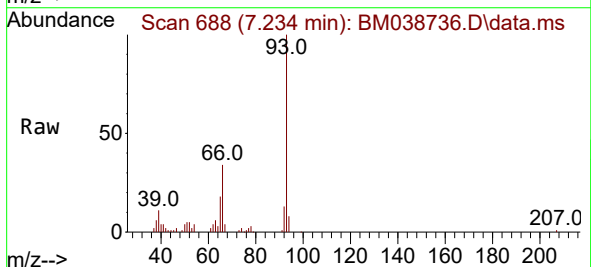
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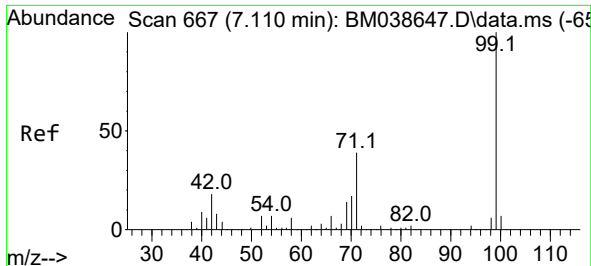
Tgt Ion:112 Resp: 253400
Ion Ratio Lower Upper
112 100
64 43.9 37.9 56.9
63 26.7 23.3 34.9



#6
Aniline
Concen: 20.799 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion: 93 Resp: 61261
Ion Ratio Lower Upper
93 100
66 34.2 29.8 44.8
65 18.4 16.9 25.3

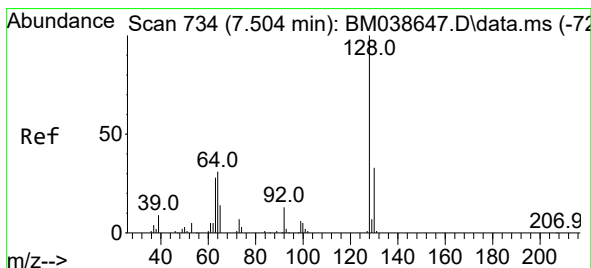
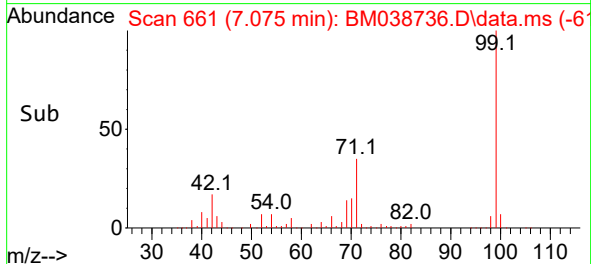
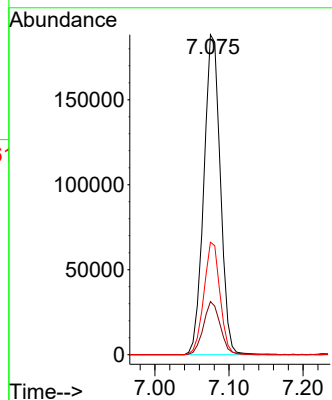
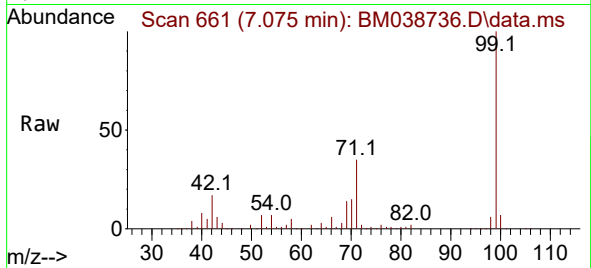




#7
Phenol-d6
Concen: 123.856 ng
RT: 7.075 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

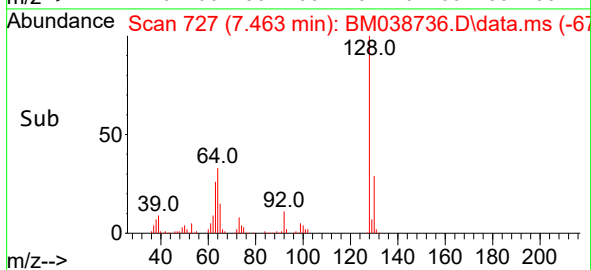
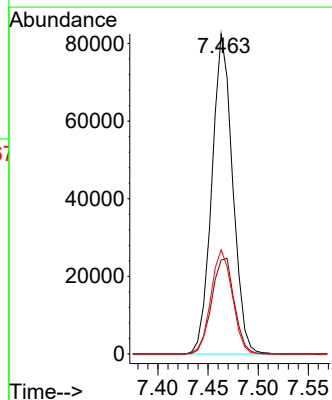
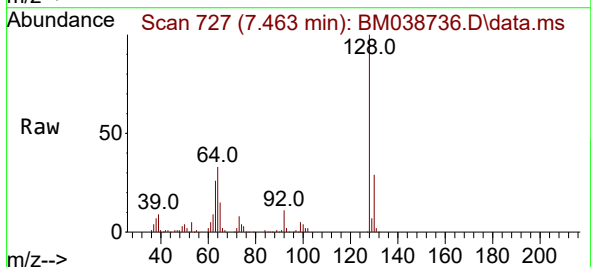
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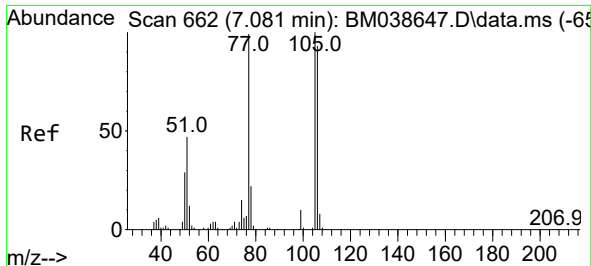
Tgt Ion: 99 Resp: 292450
Ion Ratio Lower Upper
99 100
42 16.6 14.6 22.0
71 35.1 31.0 46.4



#8
2-Chlorophenol
Concen: 52.598 ng
RT: 7.463 min Scan# 727
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:128 Resp: 118821
Ion Ratio Lower Upper
128 100
130 29.3 13.2 53.2
64 32.6 17.3 57.3

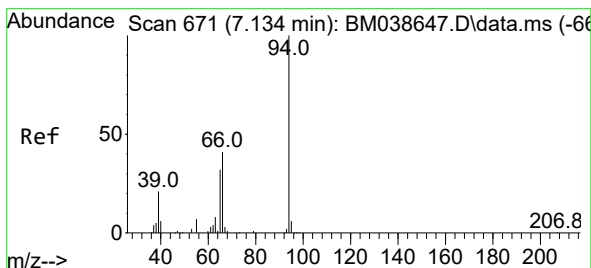
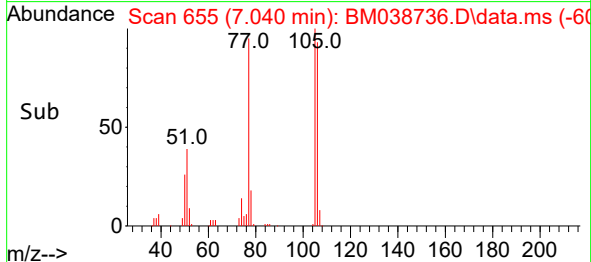
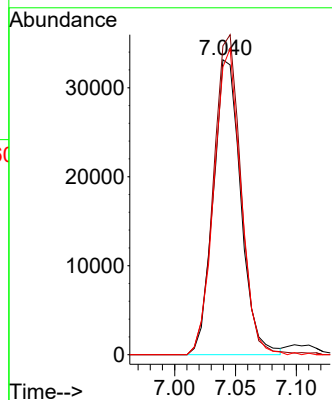
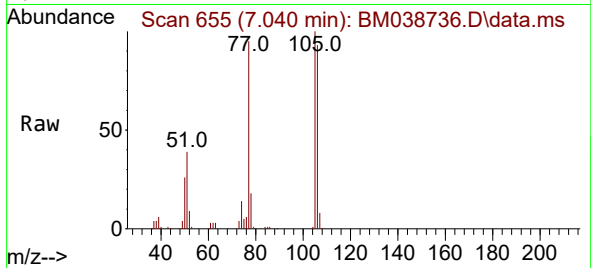




#9
Benzaldehyde
Concen: 49.972 ng
RT: 7.040 min Scan# 611
Delta R.T. -0.006 min
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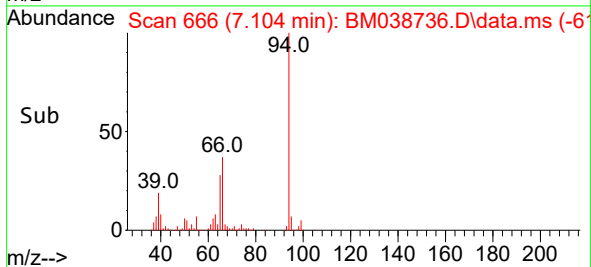
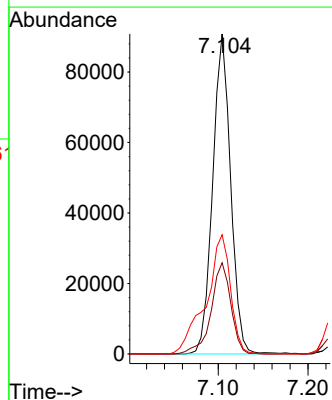
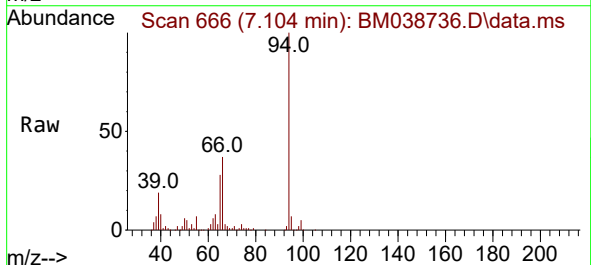
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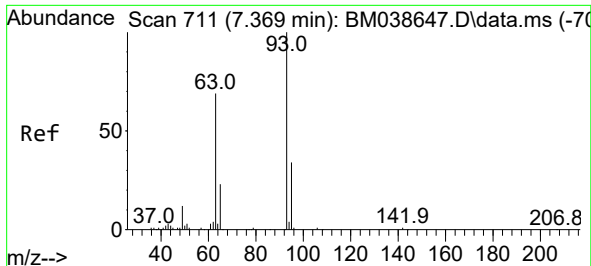
Tgt Ion: 77 Resp: 52007
Ion Ratio Lower Upper
77 100
105 104.7 80.8 120.8
106 97.5 73.8 113.8



#10
Phenol
Concen: 52.876 ng
RT: 7.104 min Scan# 666
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion: 94 Resp: 126133
Ion Ratio Lower Upper
94 100
65 28.5 12.3 52.3
66 37.2 24.2 64.2

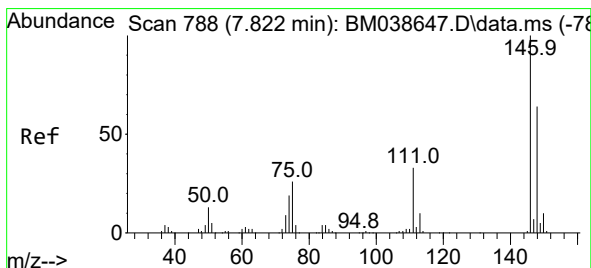
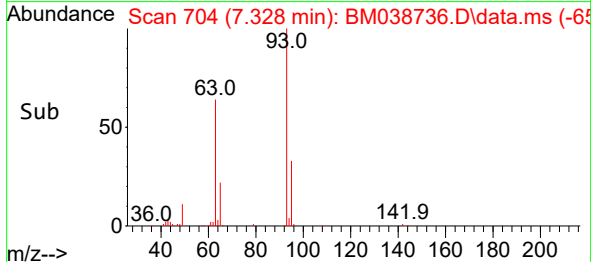
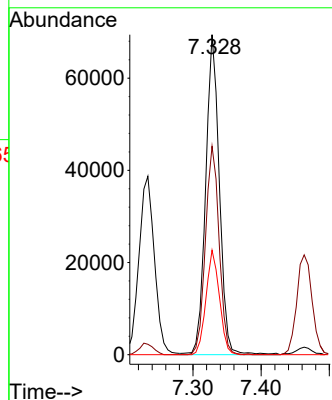
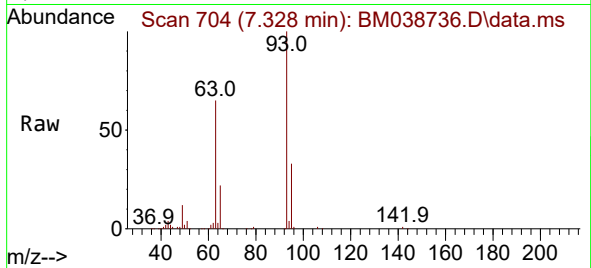




#11
bis(2-Chloroethyl)ether
Concen: 50.104 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

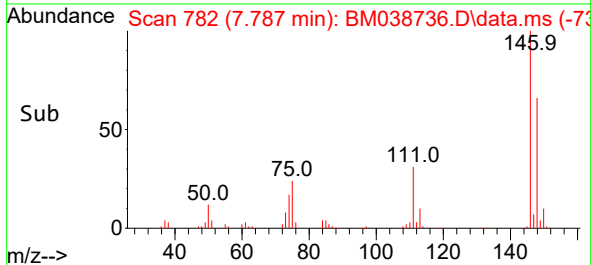
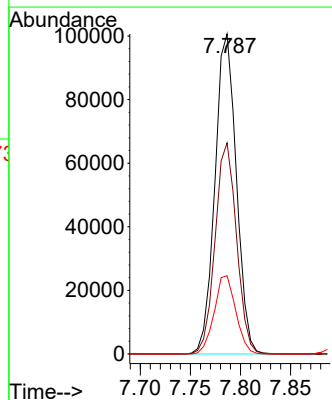
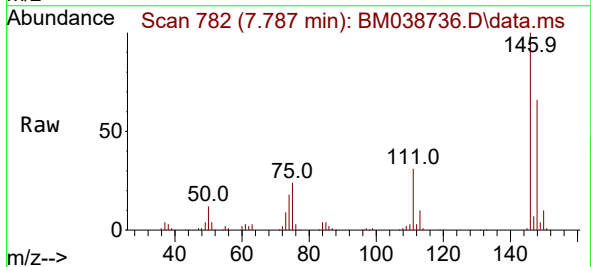
Instrument :
BNA_M
ClientSampleId :
SOILMS

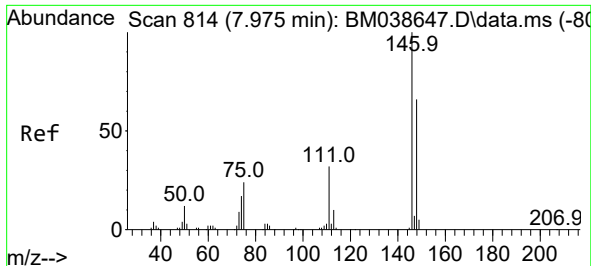
Tgt Ion: 93 Resp: 96792
Ion Ratio Lower Upper
93 100
63 65.1 48.5 88.5
95 32.7 13.8 53.8



#12
1,3-Dichlorobenzene
Concen: 51.763 ng
RT: 7.787 min Scan# 782
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:146 Resp: 149405
Ion Ratio Lower Upper
146 100
148 66.0 51.5 77.3
75 24.4 21.1 31.7

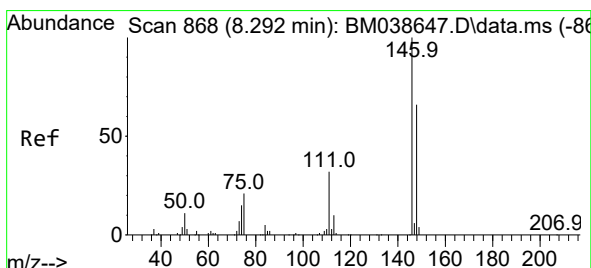
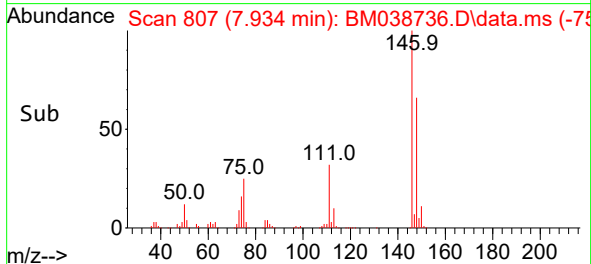
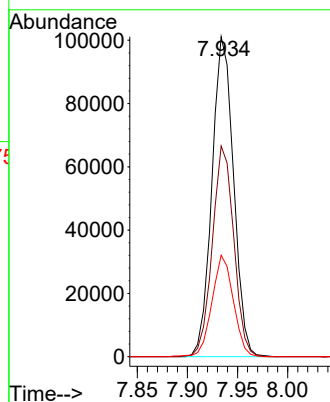
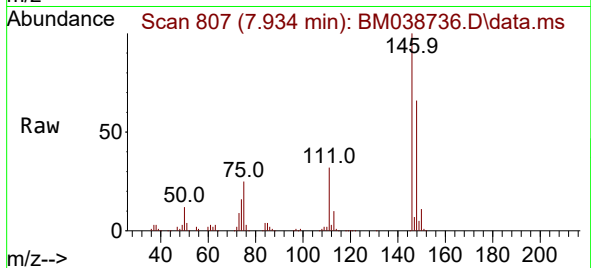




#13
1,4-Dichlorobenzene
Concen: 52.052 ng
RT: 7.934 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

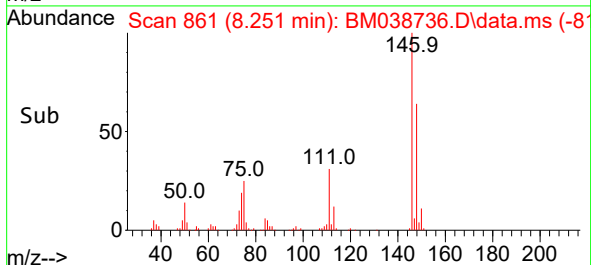
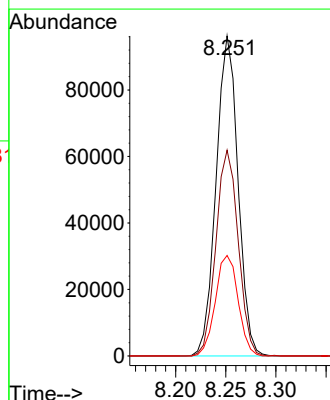
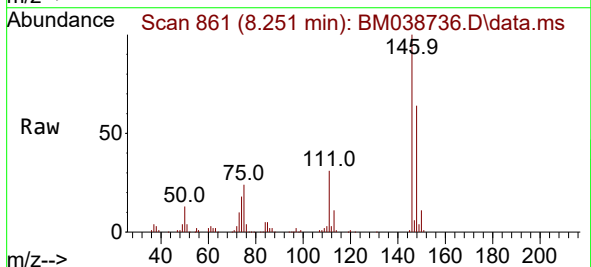
Instrument :
BNA_M
ClientSampleId :
SOILMS

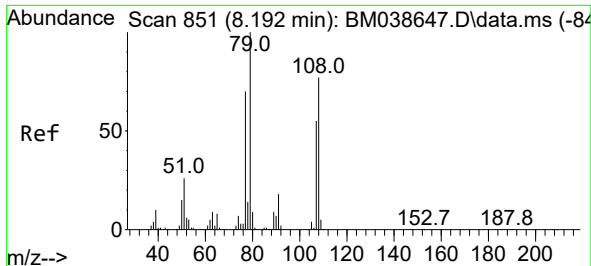
Tgt Ion:146 Resp: 151626
Ion Ratio Lower Upper
146 100
148 65.9 53.1 79.7
111 31.7 25.9 38.9



#14
1,2-Dichlorobenzene
Concen: 52.437 ng
RT: 8.251 min Scan# 861
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:146 Resp: 146332
Ion Ratio Lower Upper
146 100
148 64.3 52.9 79.3
111 31.4 26.2 39.2

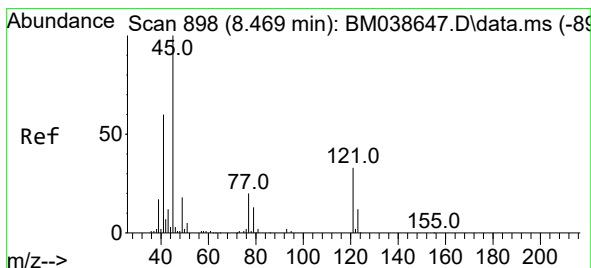
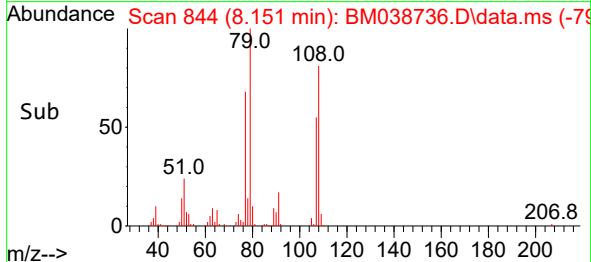
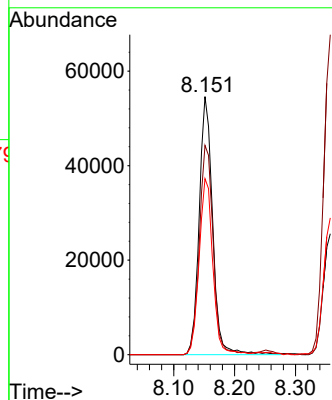
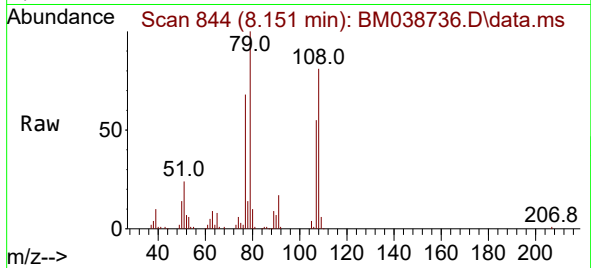




#15
Benzyl Alcohol
Concen: 48.323 ng
RT: 8.151 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

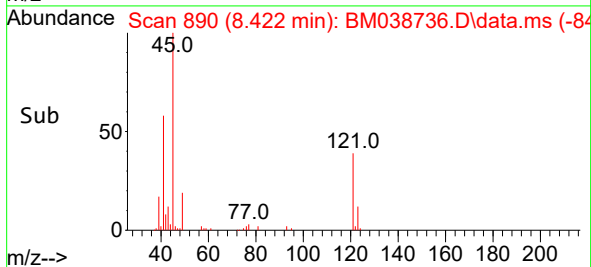
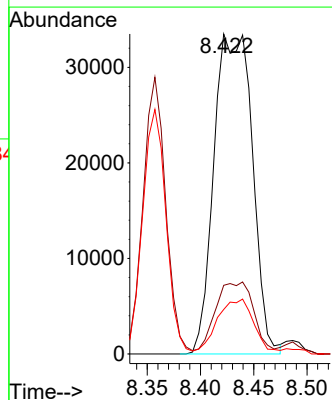
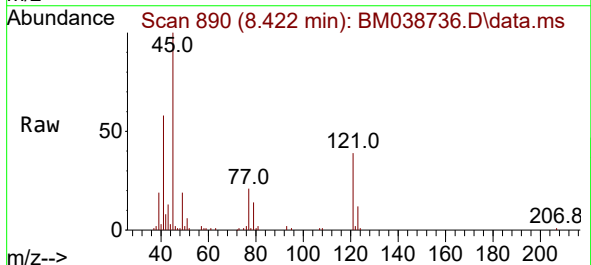
Instrument :
BNA_M
ClientSampleId :
SOILMS

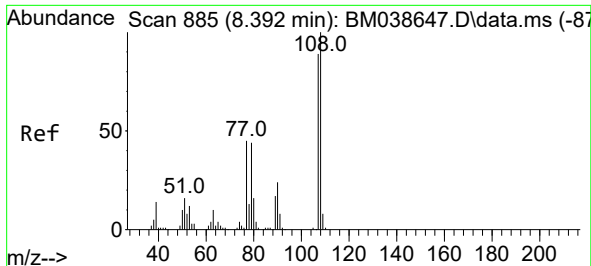
Tgt Ion: 79 Resp: 83982
Ion Ratio Lower Upper
79 100
108 81.1 61.9 92.9
77 68.2 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.722 ng
RT: 8.422 min Scan# 890
Delta R.T. -0.012 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion: 45 Resp: 83663
Ion Ratio Lower Upper
45 100
77 21.5 1.1 41.1
79 13.9 0.0 34.6

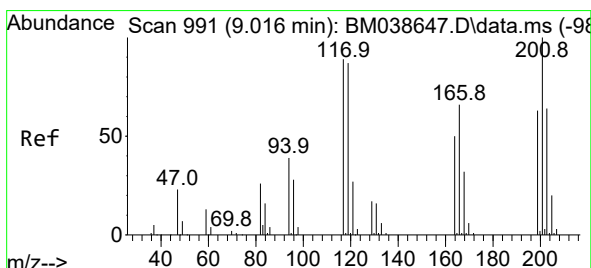
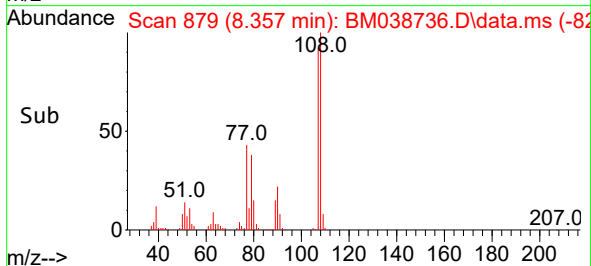
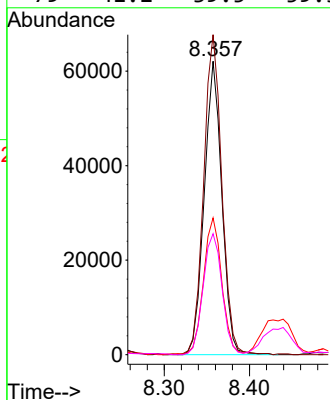
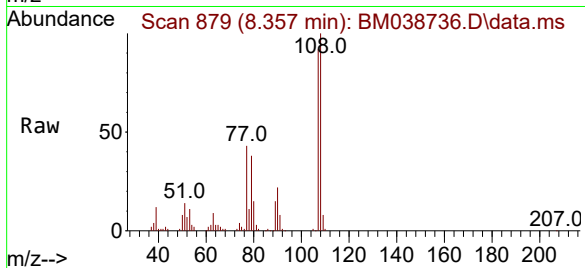




#17
2-Methylphenol
Concen: 48.732 ng
RT: 8.357 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

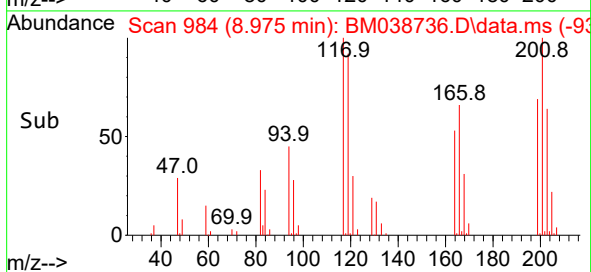
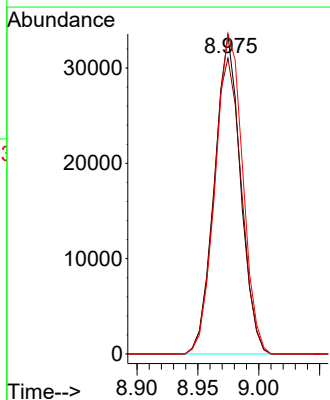
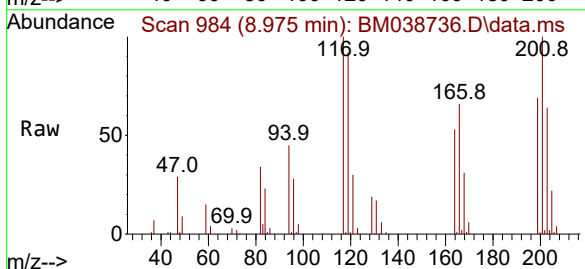
Instrument :
BNA_M
ClientSampleId :
SOILMS

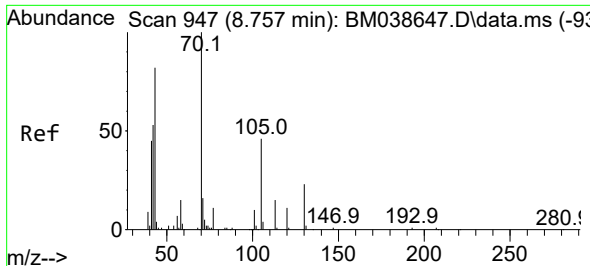
Tgt Ion:	107	Resp:	89165
Ion	Ratio	Lower	Upper
107	100		
108	109.1	89.6	134.4
77	46.6	40.7	61.1
79	41.2	39.5	59.3



#18
Hexachloroethane
Concen: 53.060 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:	117	Resp:	49915
Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.6	117.8
201	100.4	90.2	135.2

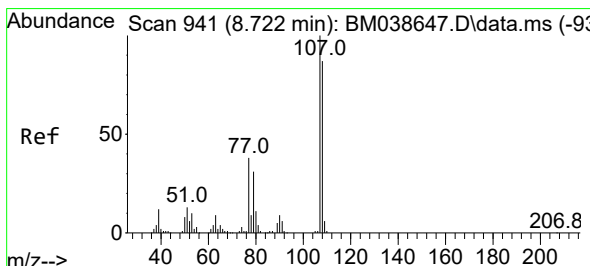
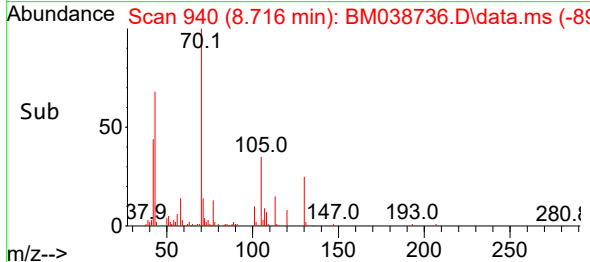
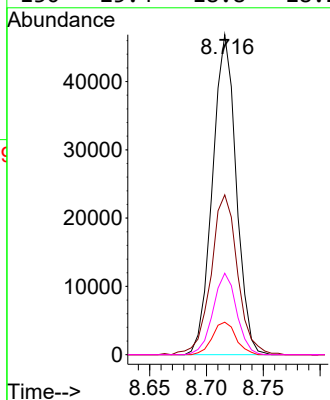
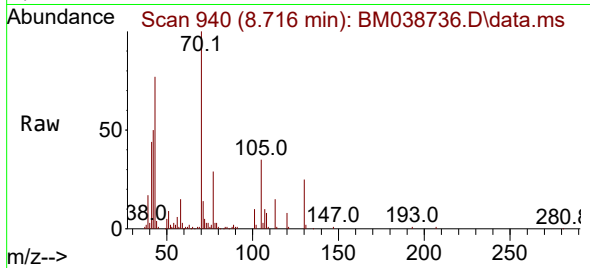




#19
n-Nitroso-di-n-propylamine
Concen: 47.800 ng
RT: 8.716 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

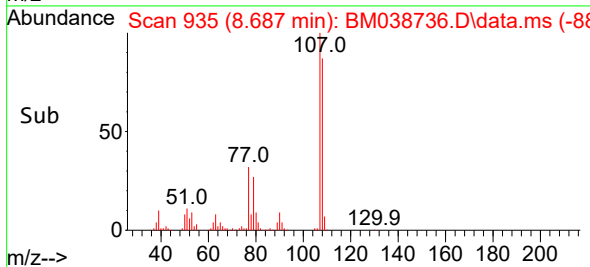
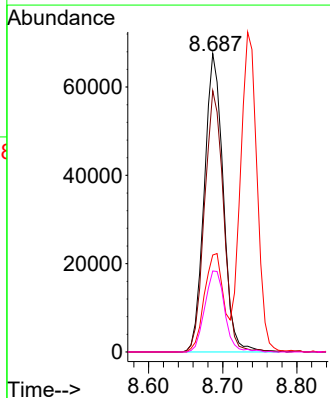
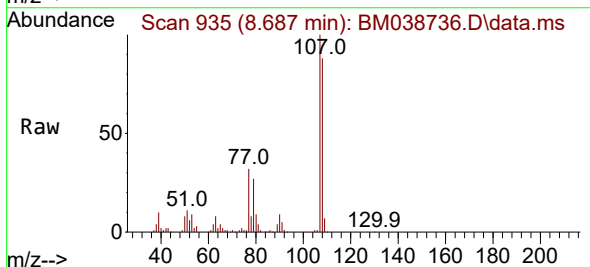
Instrument :
BNA_M
ClientSampleId :
SOILMS

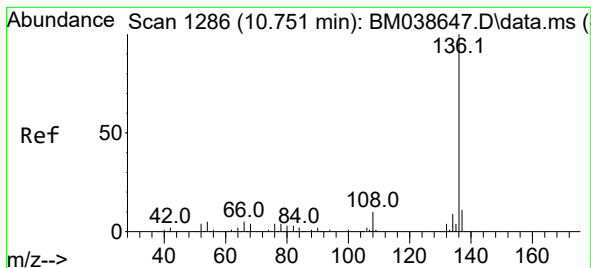
Tgt Ion: 70	Resp: 68032
Ion Ratio	Lower Upper
70 100	
42 49.9	43.4 65.2
101 10.1	8.2 12.2
130 25.4	18.8 28.2



#20
3+4-Methylphenols
Concen: 49.022 ng
RT: 8.687 min Scan# 935
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt	Ion:107	Resp:	119589
Ion	Ratio	Lower	Upper
107	100		
108	87.5	67.2	107.2
77	32.5	17.5	57.5
79	27.1	10.8	50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.710 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

Tgt Ion:136 Resp: 143250

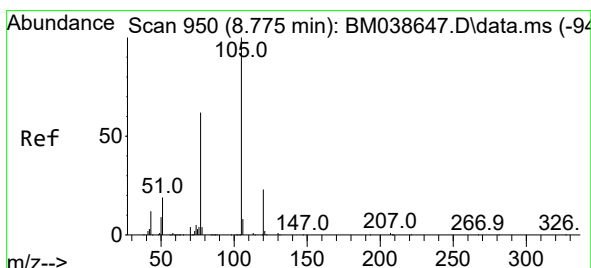
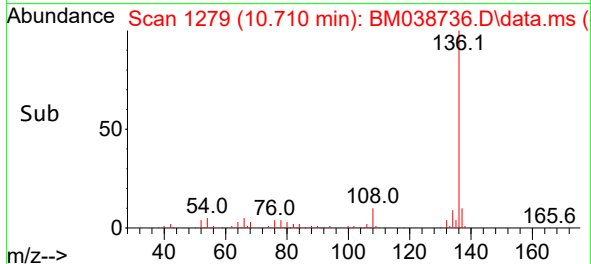
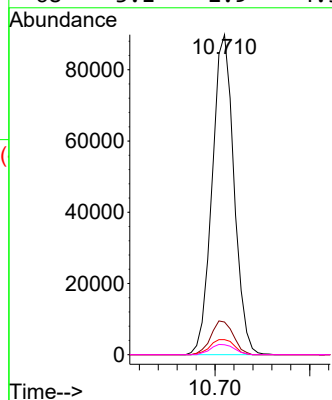
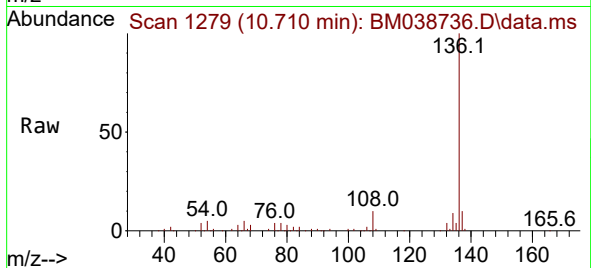
Ion Ratio Lower Upper

136 100

137 10.2 8.8 13.2

54 4.7 4.2 6.4

68 3.1 2.9 4.3



#22

Acetophenone

Concen: 45.708 ng

RT: 8.734 min Scan# 943

Delta R.T. -0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Tgt Ion:105 Resp: 156147

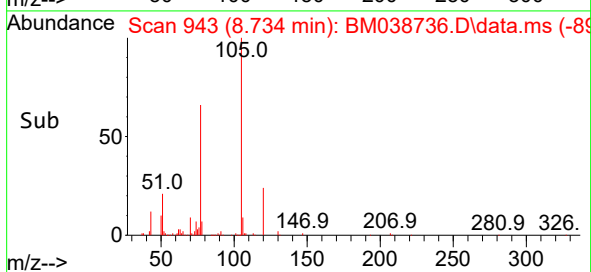
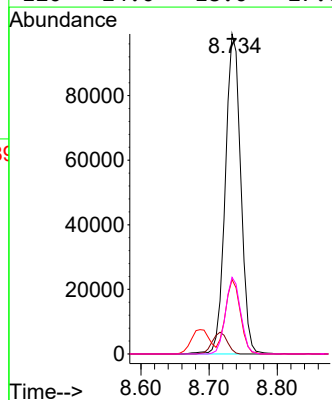
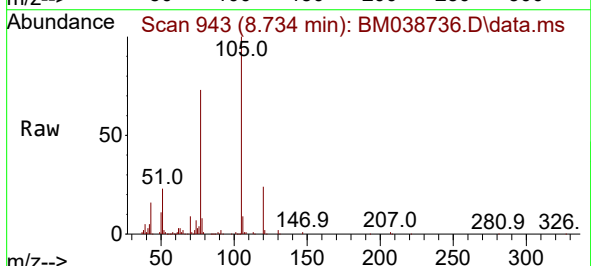
Ion Ratio Lower Upper

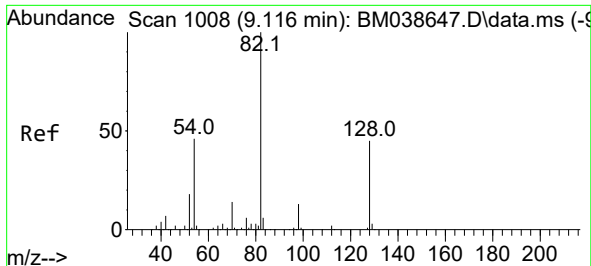
105 100

71 1.4 0.9 1.3#

51 23.2 19.3 28.9

120 24.0 18.0 27.0

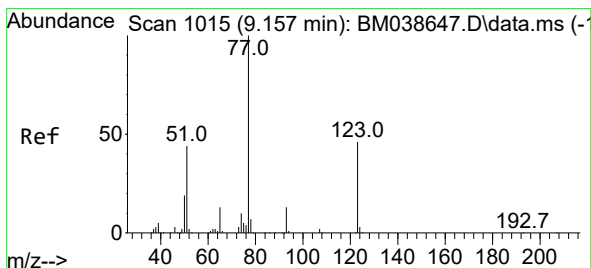
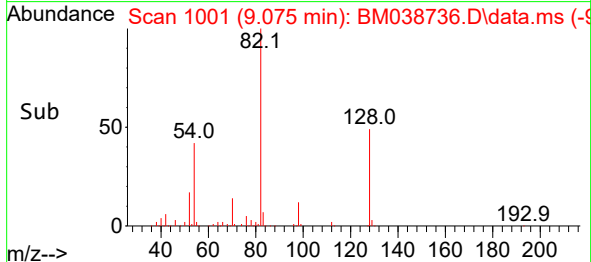
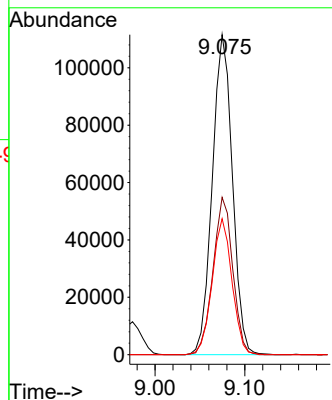
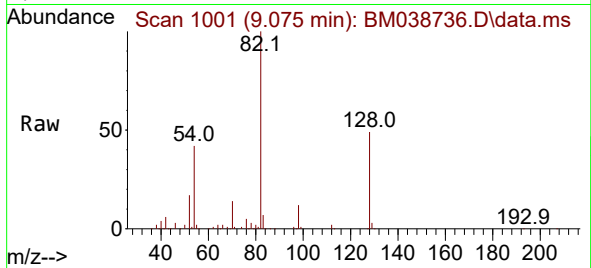




#23
Nitrobenzene-d5
Concen: 68.834 ng
RT: 9.075 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

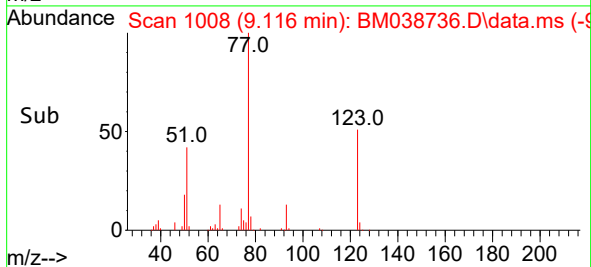
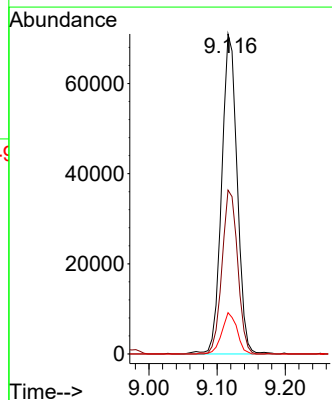
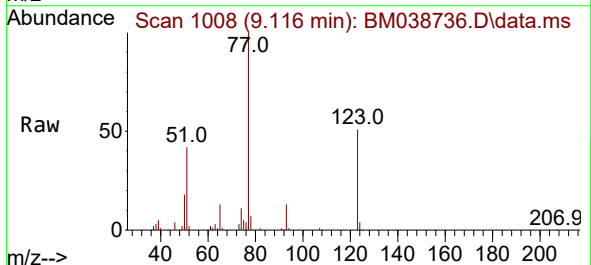
Instrument :
BNA_M
ClientSampleId :
SOILMS

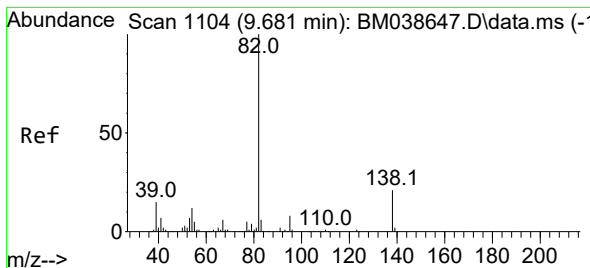
Tgt Ion: 82 Resp: 173599
Ion Ratio Lower Upper
82 100
128 49.1 36.0 54.0
54 42.5 36.8 55.2



#24
Nitrobenzene
Concen: 43.893 ng
RT: 9.116 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion: 77 Resp: 112357
Ion Ratio Lower Upper
77 100
123 51.2 36.5 54.7
65 12.9 10.7 16.1





#25

Isophorone

Concen: 43.178 ng

RT: 9.639 min Scan# 1104

Delta R.T. -0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

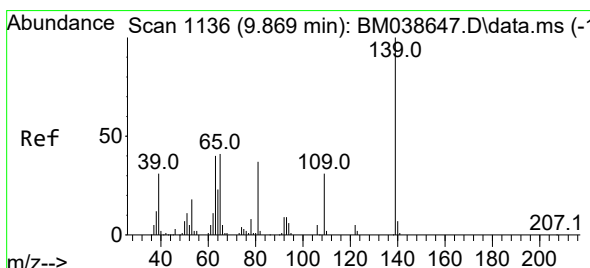
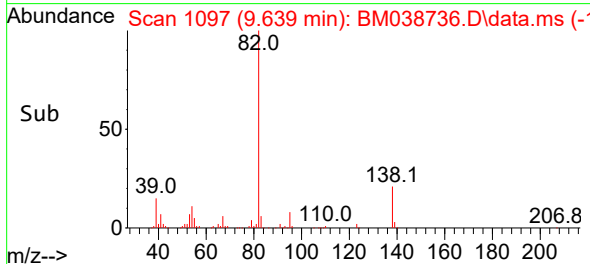
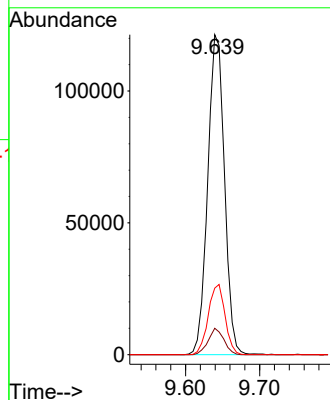
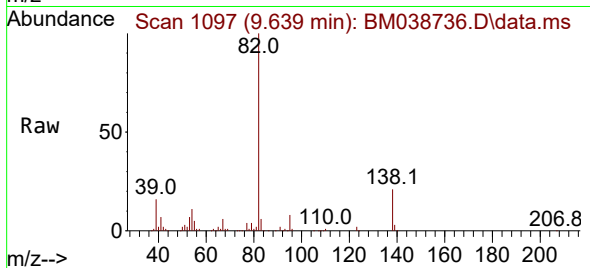
Tgt Ion: 82 Resp: 190760

Ion Ratio Lower Upper

82 100

95 8.2 6.4 9.6

138 20.8 17.0 25.6



#26

2-Nitrophenol

Concen: 49.447 ng

RT: 9.828 min Scan# 1129

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

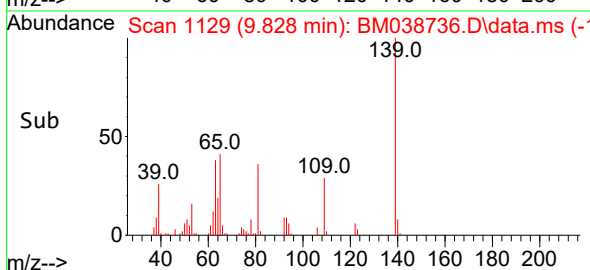
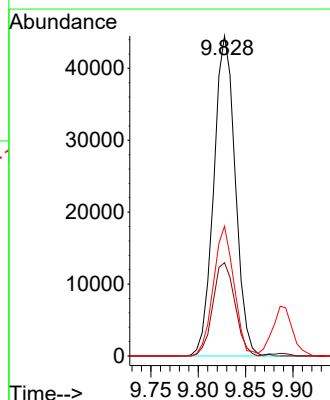
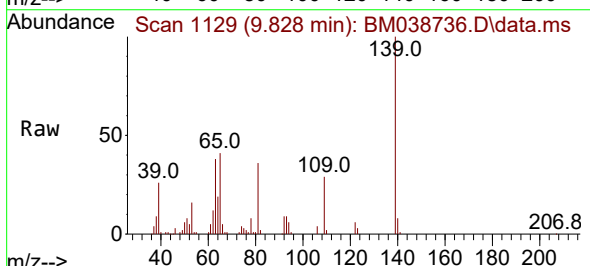
Tgt Ion: 139 Resp: 70433

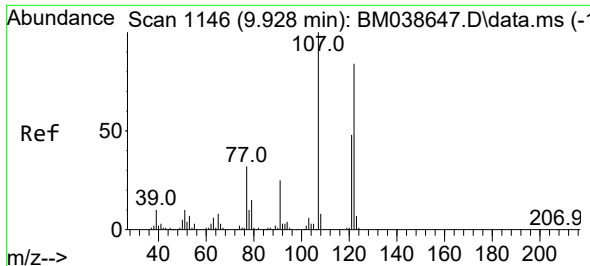
Ion Ratio Lower Upper

139 100

109 29.2 24.5 36.7

65 40.6 32.6 49.0





#27

2,4-Dimethylphenol

Concen: 50.293 ng

RT: 9.892 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

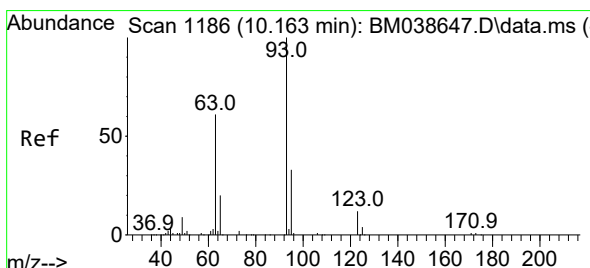
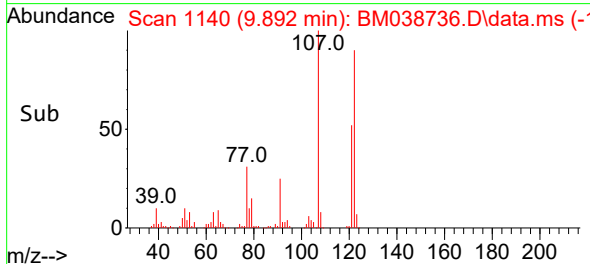
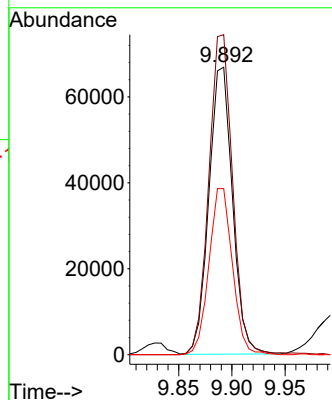
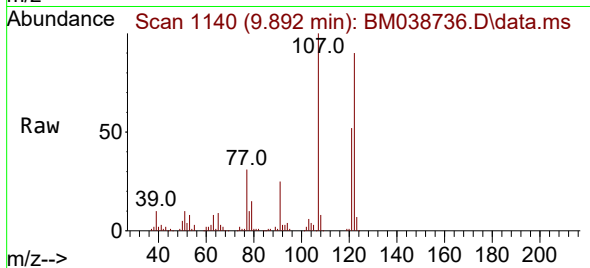
Tgt Ion:122 Resp: 103360

Ion Ratio Lower Upper

122 100

107 111.3 94.9 142.3

121 57.7 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 45.765 ng

RT: 10.128 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

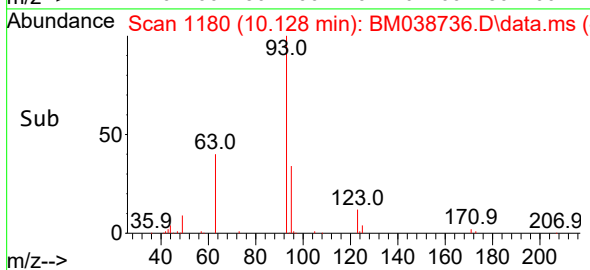
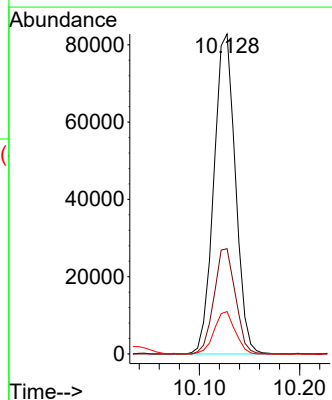
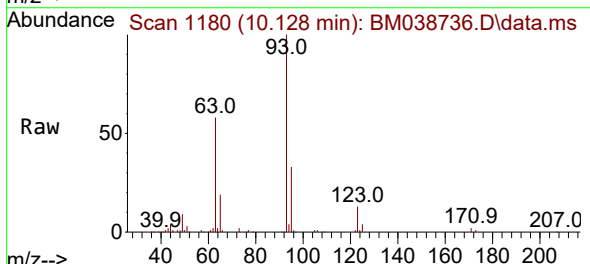
Tgt Ion: 93 Resp: 123565

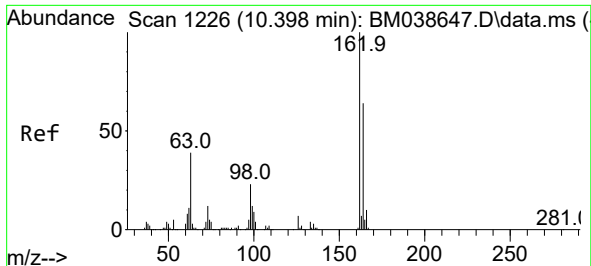
Ion Ratio Lower Upper

93 100

95 32.9 26.6 40.0

123 13.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 45.883 ng

RT: 10.363 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

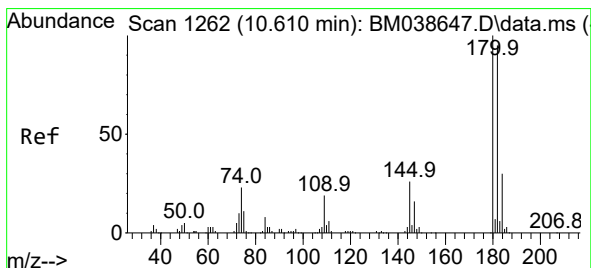
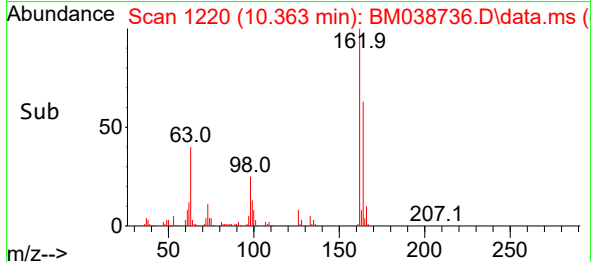
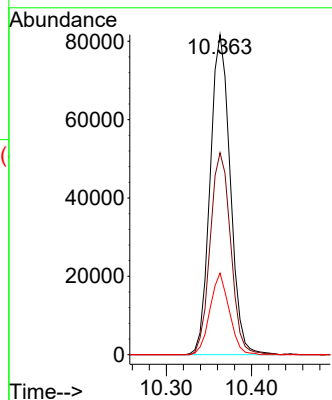
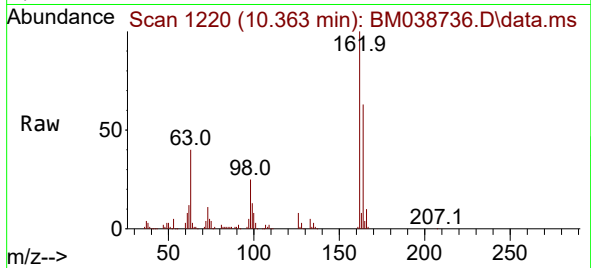
Tgt Ion:162 Resp: 133970

Ion Ratio Lower Upper

162 100

164 63.1 44.3 84.3

98 25.5 3.1 43.1



#30

1,2,4-Trichlorobenzene

Concen: 44.005 ng

RT: 10.569 min Scan# 1255

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

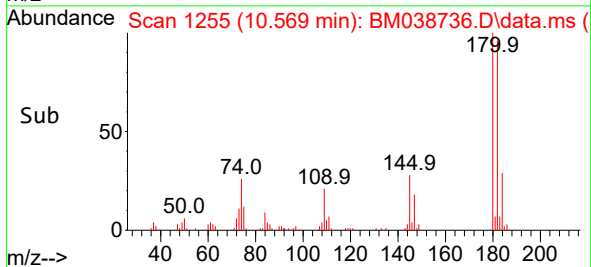
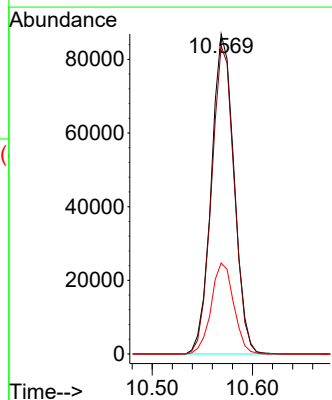
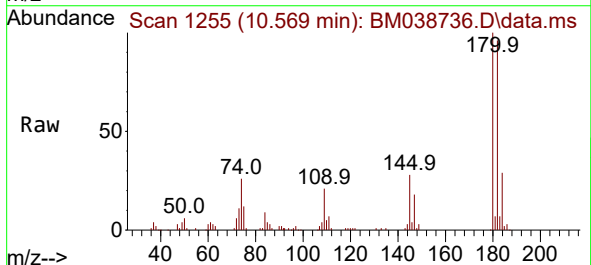
Tgt Ion:180 Resp: 136672

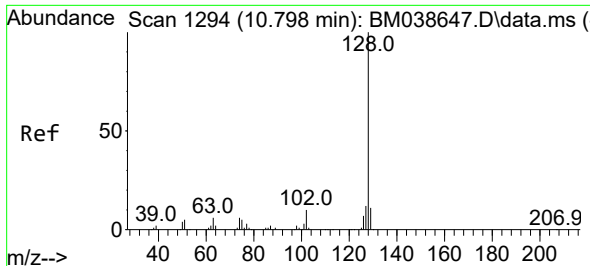
Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.2

145 28.4 20.8 31.2

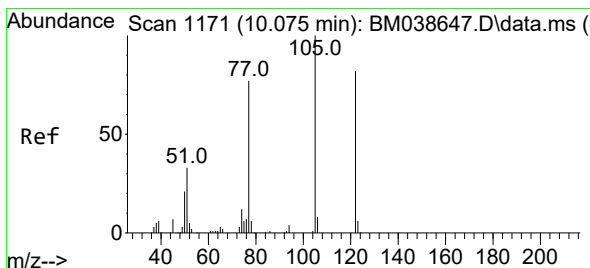
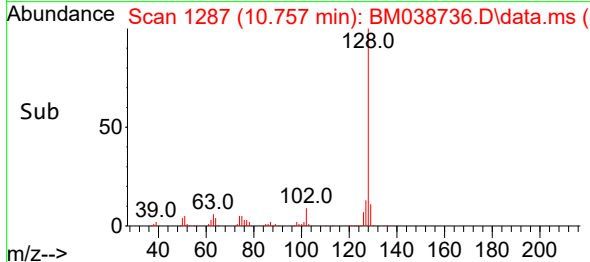
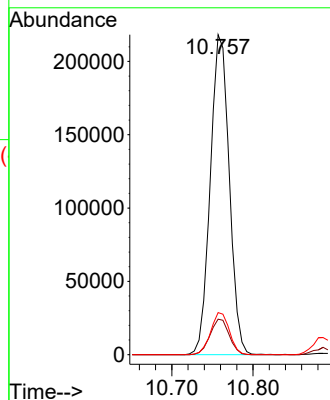
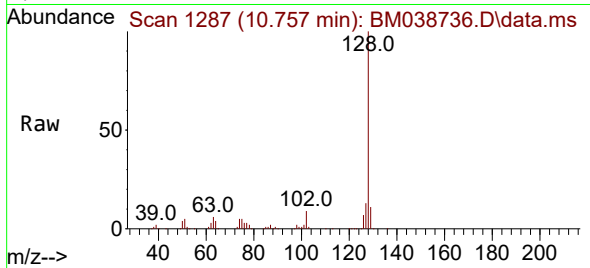




#31
Naphthalene
Concen: 48.116 ng
RT: 10.757 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

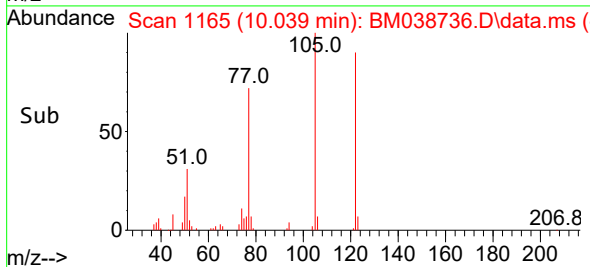
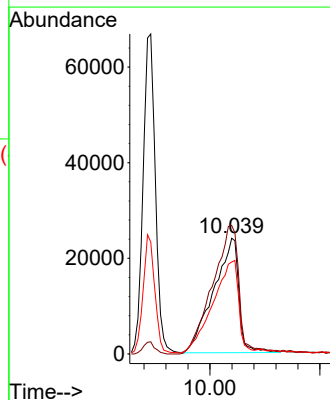
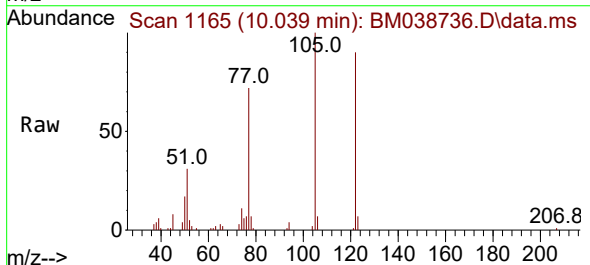
Instrument :
BNA_M
ClientSampleId :
SOILMS

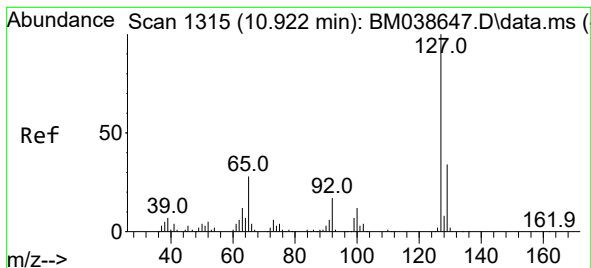
Tgt Ion:128 Resp: 353699
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.1 9.9 14.9



#32
Benzoic acid
Concen: 45.925 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:122 Resp: 76403
Ion Ratio Lower Upper
122 100
105 111.1 99.2 139.2
77 79.6 72.3 112.3

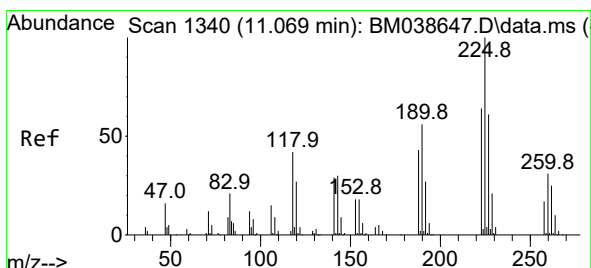
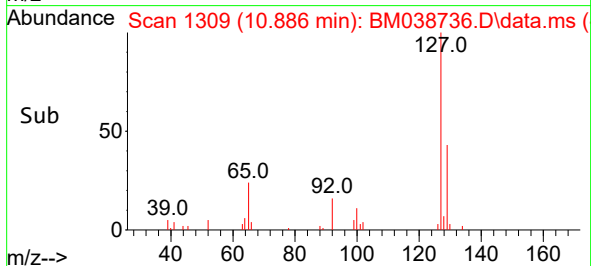
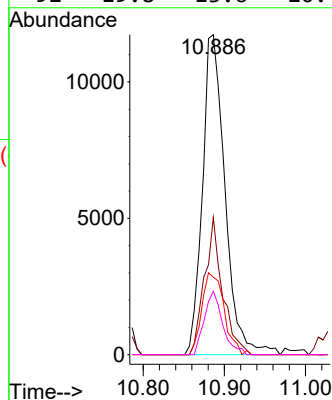
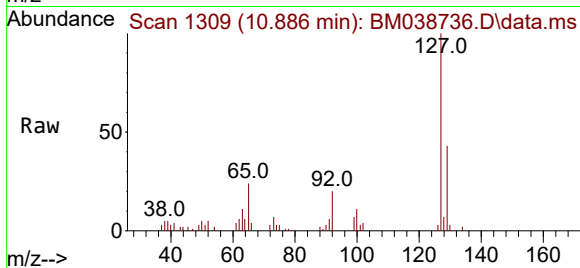




#33
4-Chloroaniline
Concen: 7.036 ng
RT: 10.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

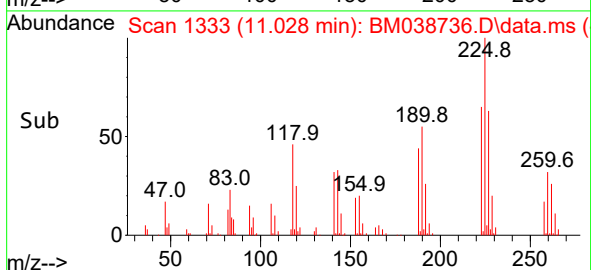
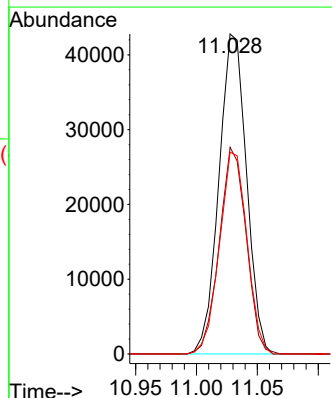
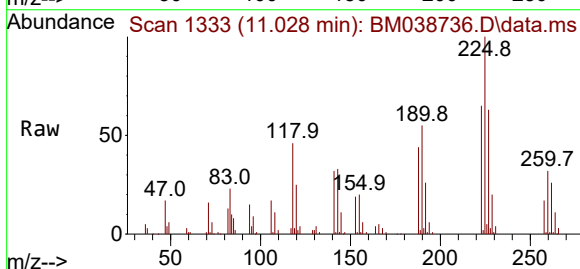
Instrument :
BNA_M
ClientSampleId :
SOILMS

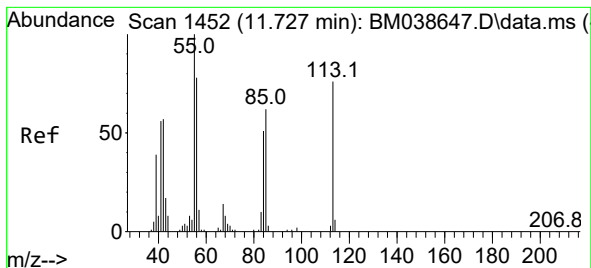
Tgt Ion:	127	Resp:	22668
Ion Ratio	Lower	Upper	
127	100		
129	42.8	27.1	40.7#
65	24.2	22.2	33.4
92	19.8	13.6	20.4



#34
Hexachlorobutadiene
Concen: 43.444 ng
RT: 11.028 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:	225	Resp:	67592
Ion Ratio	Lower	Upper	
225	100		
223	64.6	51.0	76.4
227	63.0	49.2	73.8

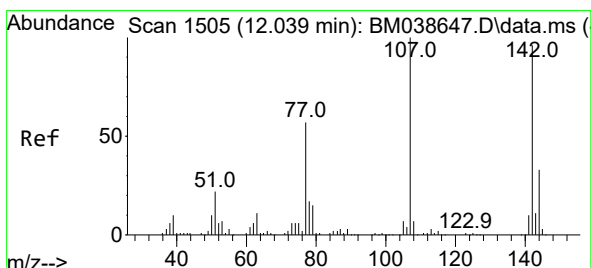
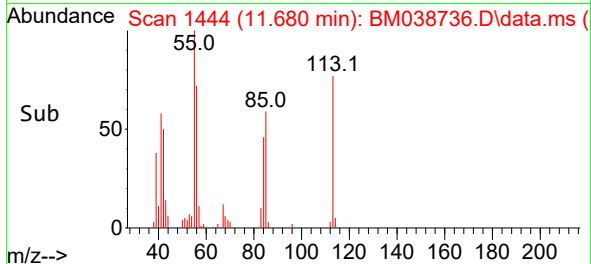
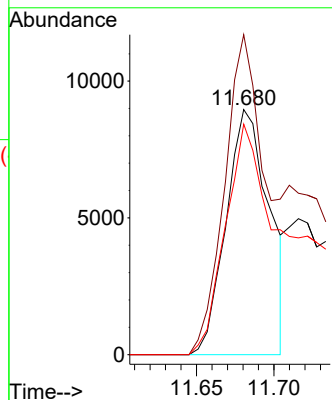
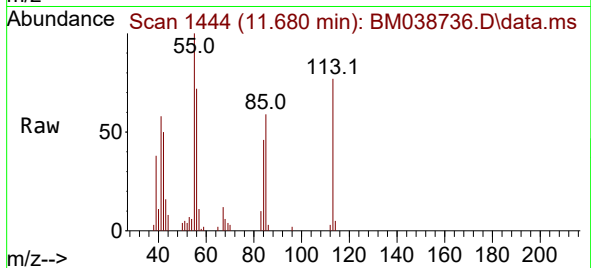




#35
 Caprolactam
 Concen: 27.448 ng
 RT: 11.680 min Scan# 1452
 Delta R.T. -0.006 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

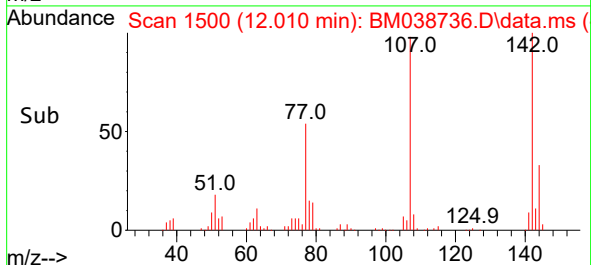
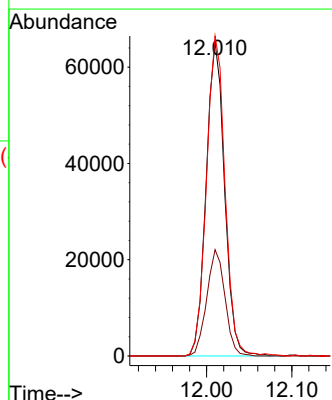
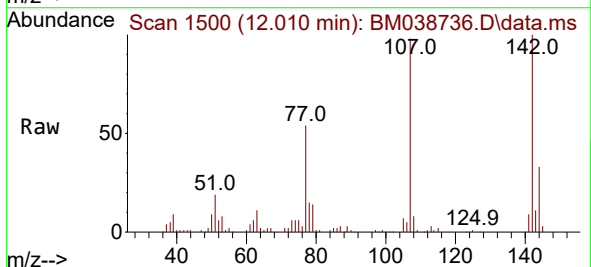
Instrument :
 BNA_M
 ClientSampleId :
 SOILMS

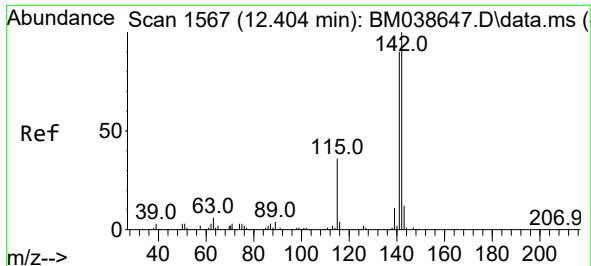
Tgt Ion:113 Resp: 17260
 Ion Ratio Lower Upper
 113 100
 55 130.6 111.2 151.2
 56 94.1 82.0 122.0



#36
 4-Chloro-3-methylphenol
 Concen: 45.293 ng
 RT: 12.010 min Scan# 1500
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

Tgt Ion:107 Resp: 97788
 Ion Ratio Lower Upper
 107 100
 144 33.8 26.5 39.7
 142 101.9 77.0 115.6





#37

2-Methylnaphthalene

Concen: 44.610 ng

RT: 12.369 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

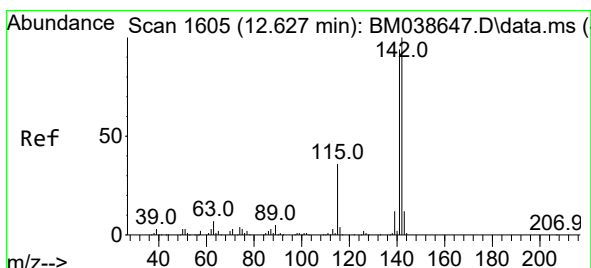
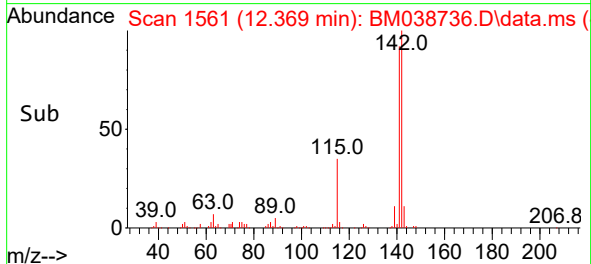
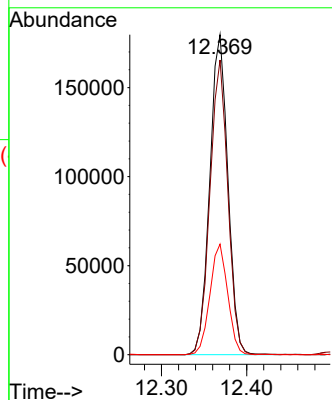
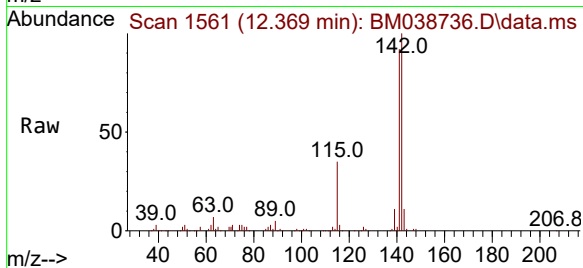
Tgt Ion:142 Resp: 265000

Ion Ratio Lower Upper

142 100

141 92.1 71.8 107.8

115 34.6 28.7 43.1



#38

1-Methylnaphthalene

Concen: 44.582 ng

RT: 12.586 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

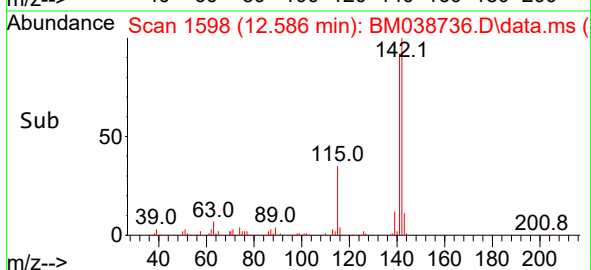
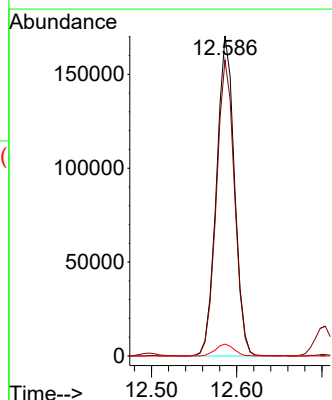
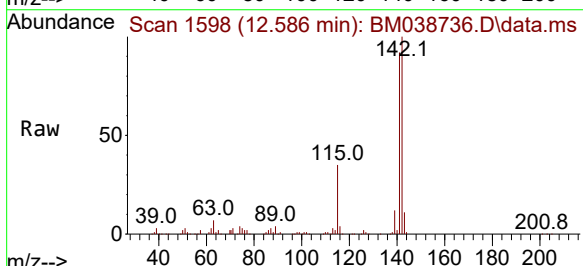
Tgt Ion:142 Resp: 249550

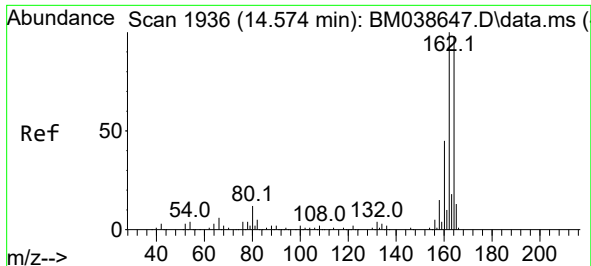
Ion Ratio Lower Upper

142 100

141 92.5 75.5 113.3

116 3.7 3.1 4.7

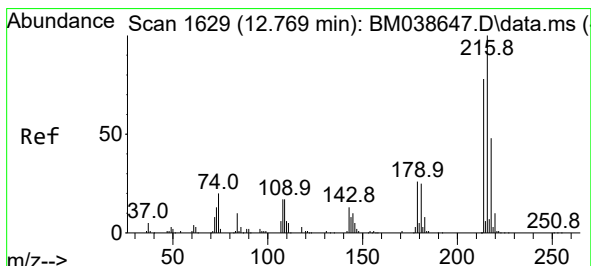
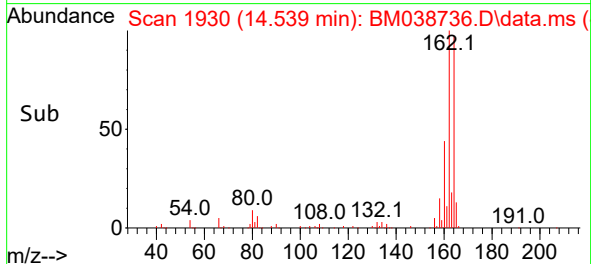
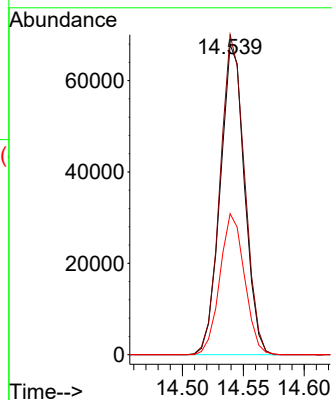
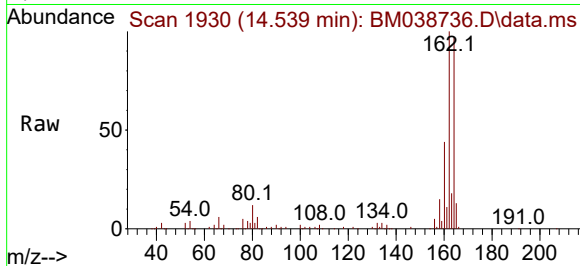




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

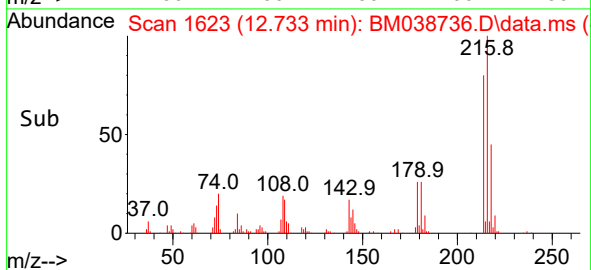
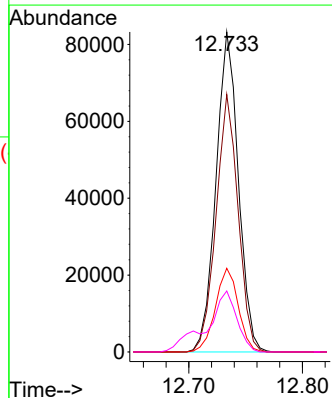
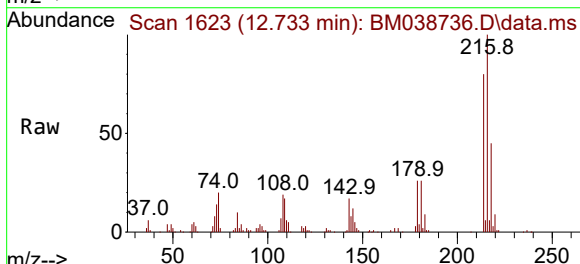
Instrument :
BNA_M
ClientSampleId :
SOILMS

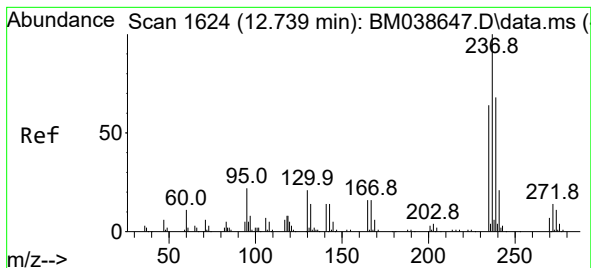
Tgt Ion:164 Resp: 94084
Ion Ratio Lower Upper
164 100
162 103.1 81.4 122.0
160 45.4 36.5 54.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.501 ng
RT: 12.733 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:216 Resp: 113861
Ion Ratio Lower Upper
216 100
214 79.1 63.4 95.0
179 26.7 21.0 31.4
108 25.7 16.8 25.2#

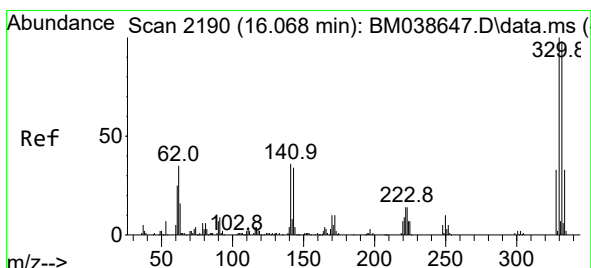
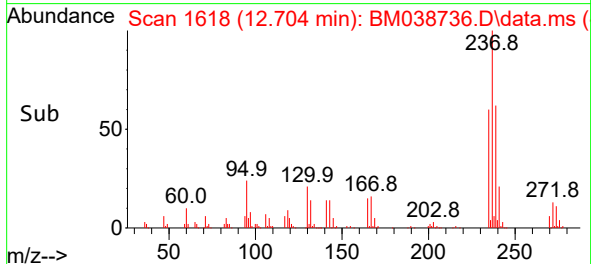
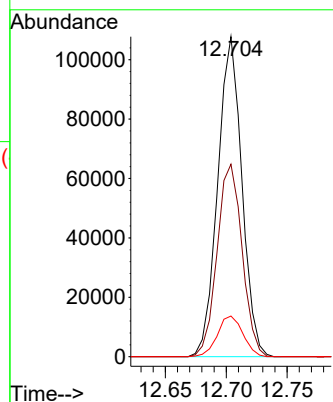
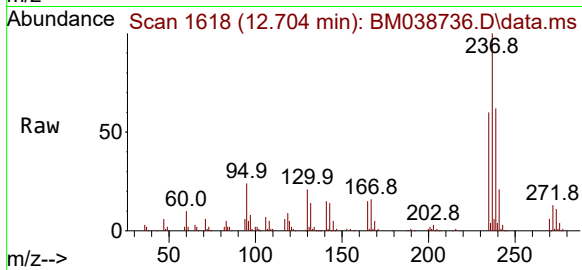




#41
Hexachlorocyclopentadiene
Concen: 97.880 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

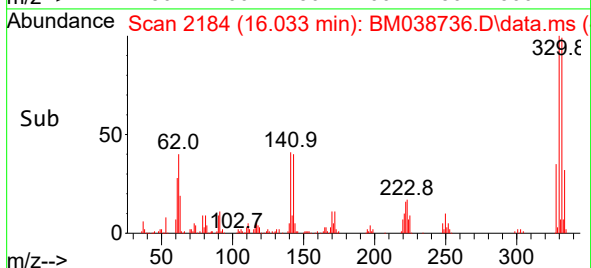
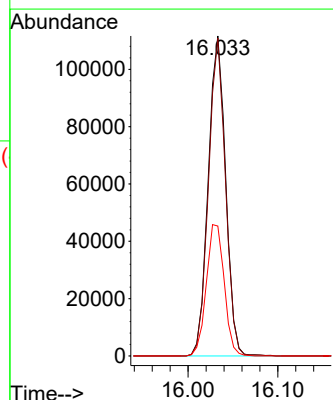
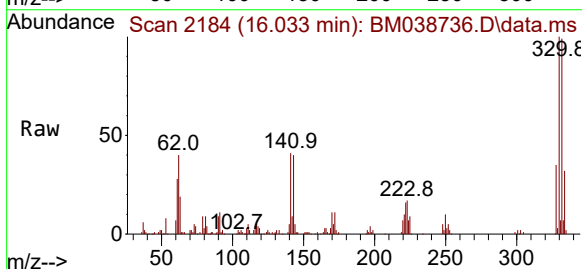
Instrument :
BNA_M
ClientSampleId :
SOILMS

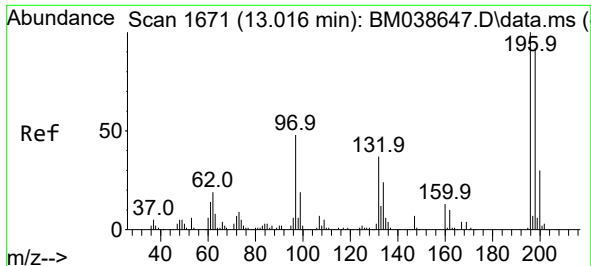
Tgt Ion:237 Resp: 148721
Ion Ratio Lower Upper
237 100
235 60.1 43.8 83.8
272 12.7 0.0 33.8



#42
2,4,6-Tribromophenol
Concen: 117.595 ng
RT: 16.033 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:330 Resp: 150382
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.6
141 42.2 31.0 46.6

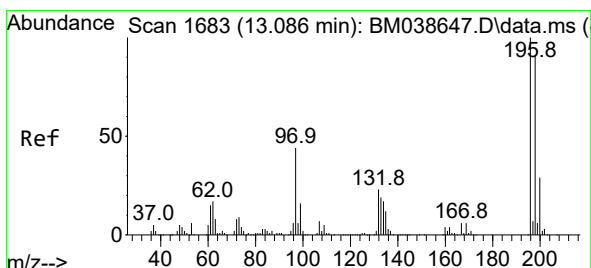
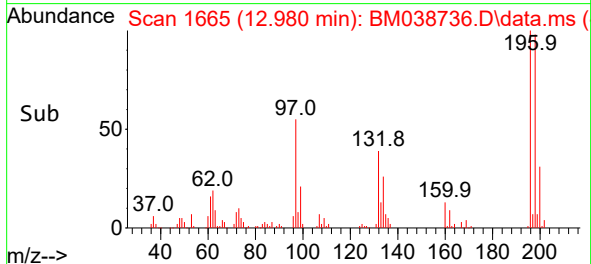
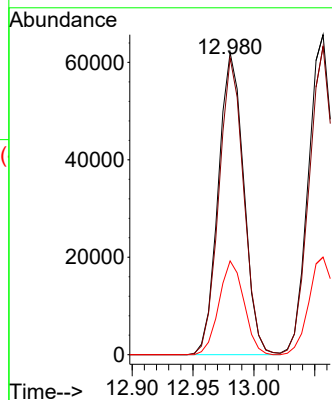
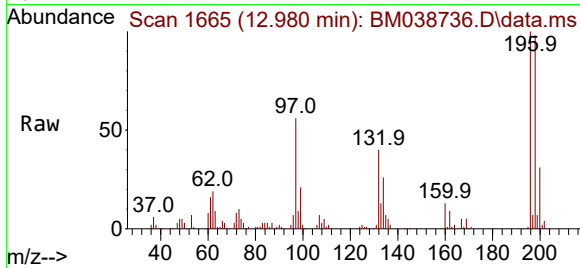




#43
2,4,6-Trichlorophenol
Concen: 46.969 ng
RT: 12.980 min Scan# 1665
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

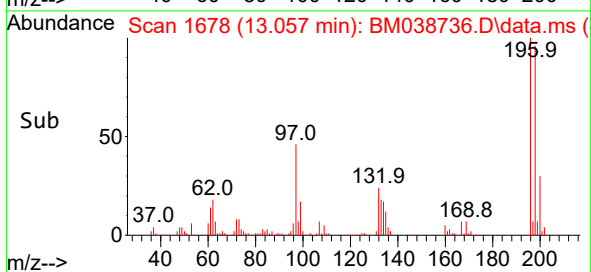
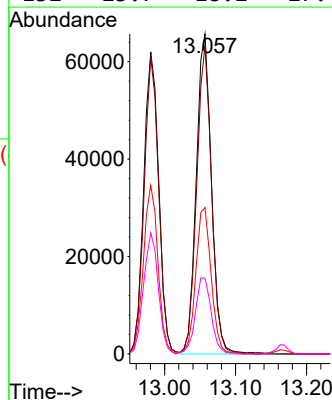
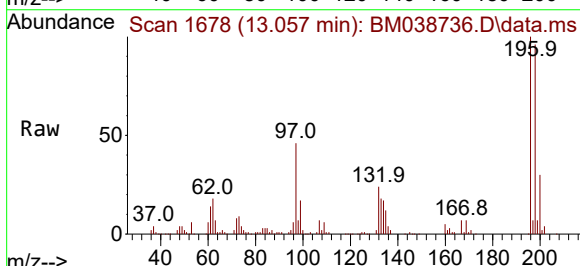
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BNA_M
ClientSampleId :
SOILMS

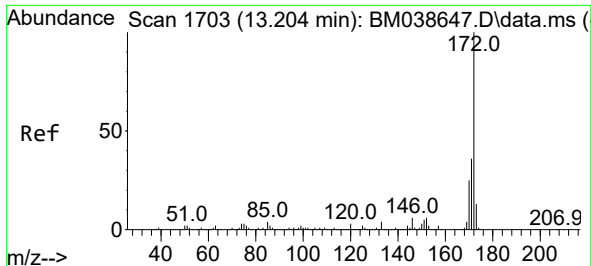
Tgt Ion:196 Resp: 90351
Ion Ratio Lower Upper
196 100
198 98.3 73.7 110.5
200 31.0 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 43.447 ng
RT: 13.057 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:196 Resp: 98350
Ion Ratio Lower Upper
196 100
198 96.3 73.1 109.7
97 45.8 35.5 53.3
132 23.7 18.2 27.4

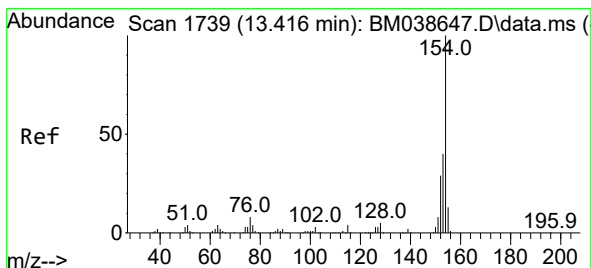
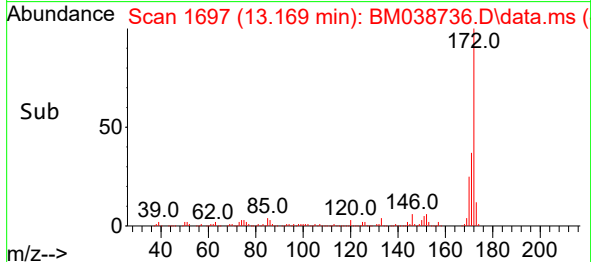
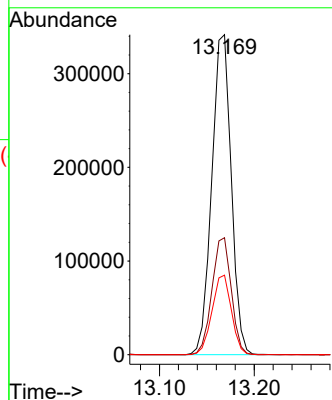
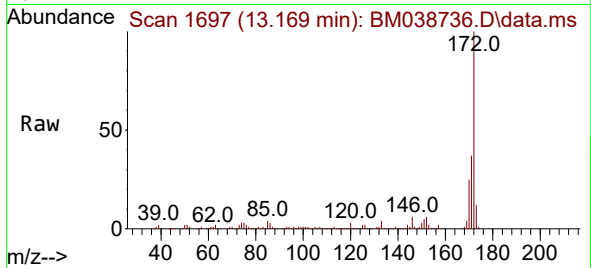




#45
2-Fluorobiphenyl
Concen: 65.882 ng
RT: 13.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

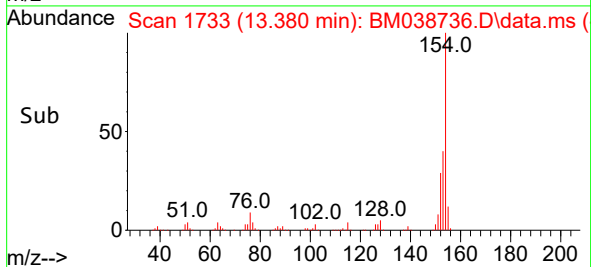
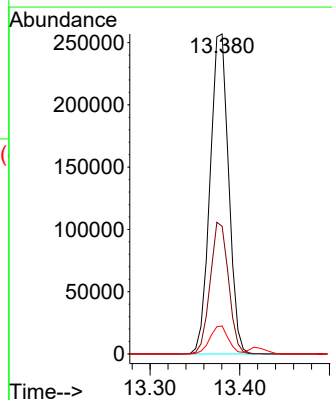
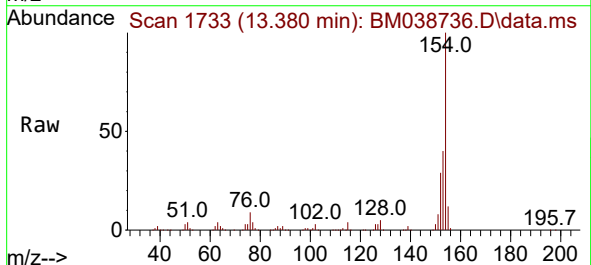
Instrument :
BNA_M
ClientSampleId :
SOILMS

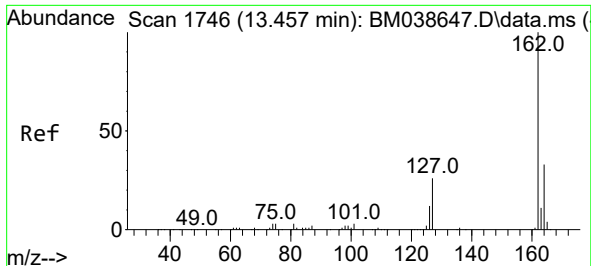
Tgt Ion:172 Resp: 486879
Ion Ratio Lower Upper
172 100
171 36.5 28.7 43.1
170 24.9 20.0 30.0



#46
1,1'-Biphenyl
Concen: 49.522 ng
RT: 13.380 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:154 Resp: 369077
Ion Ratio Lower Upper
154 100
153 39.9 19.9 59.9
76 8.7 0.0 27.9

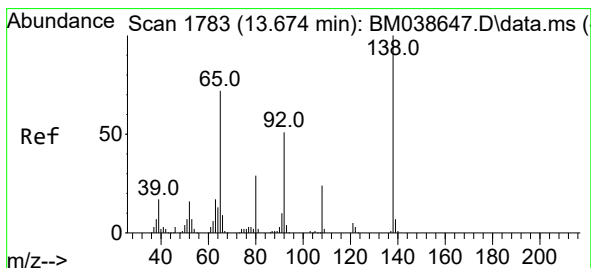
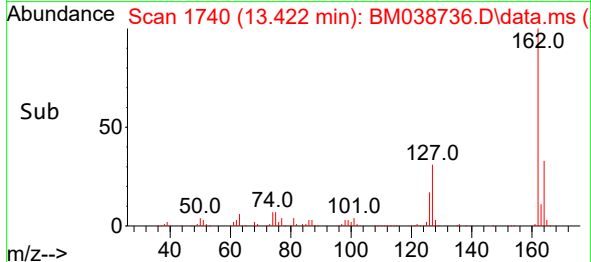
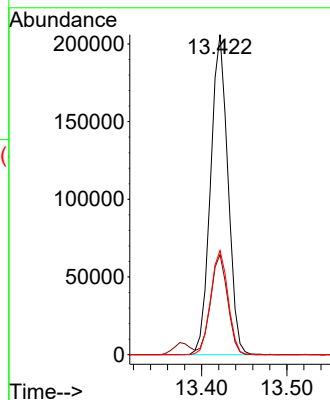
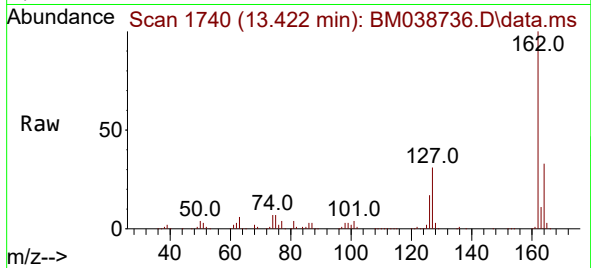




#47
2-Chloronaphthalene
Concen: 49.602 ng
RT: 13.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

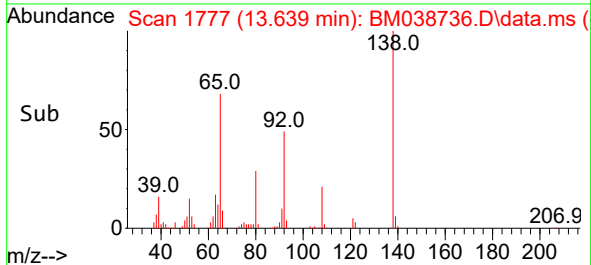
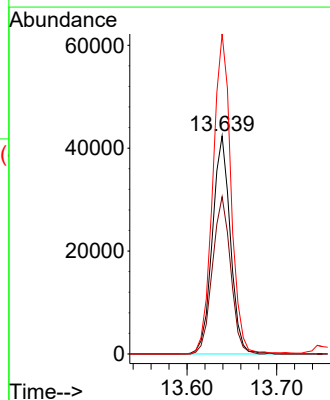
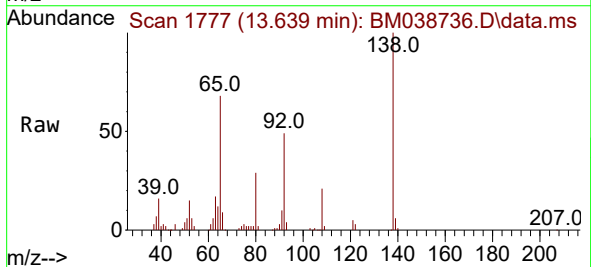
Instrument :
BNA_M
ClientSampleId :
SOILMS

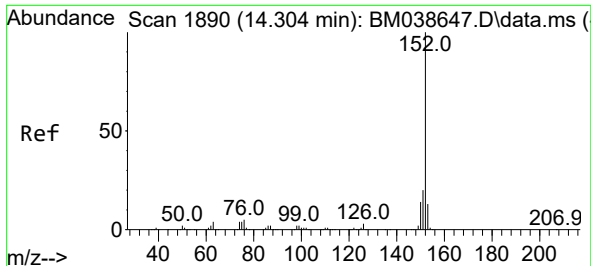
Tgt Ion:162 Resp: 290891
Ion Ratio Lower Upper
162 100
127 31.3 23.6 35.4
164 32.6 26.7 40.1



#48
2-Nitroaniline
Concen: 44.558 ng
RT: 13.639 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion: 65 Resp: 58758
Ion Ratio Lower Upper
65 100
92 72.1 55.9 83.9
138 146.8 110.6 166.0

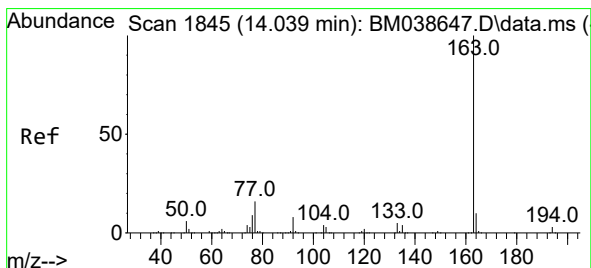
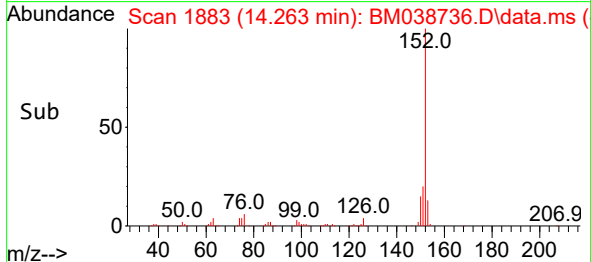
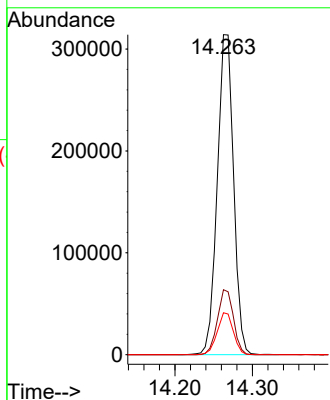
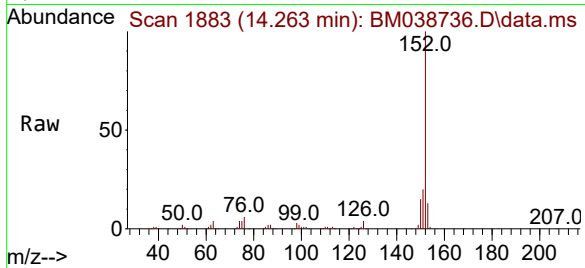




#49
Acenaphthylene
Concen: 49.867 ng
RT: 14.263 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

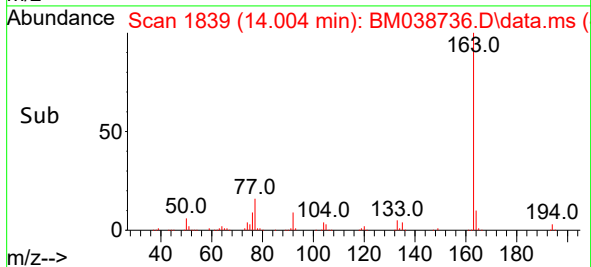
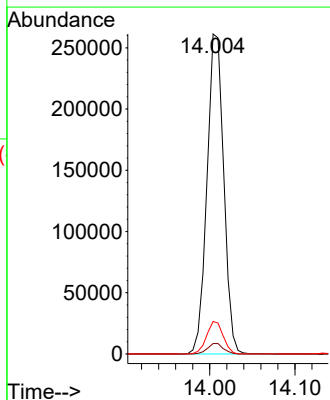
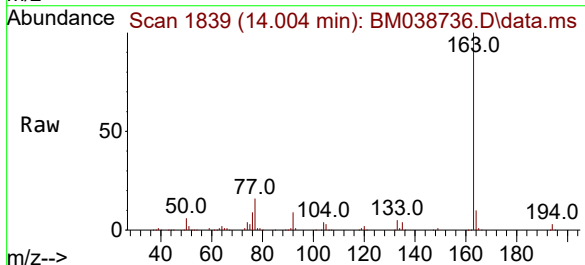
Instrument :
BNA_M
ClientSampleId :
SOILMS

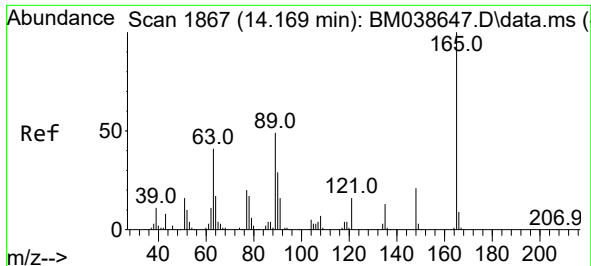
Tgt Ion:152 Resp: 460623
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 13.1 10.0 15.0



#50
Dimethylphthalate
Concen: 46.481 ng
RT: 14.004 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:163 Resp: 356872
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.1 8.2 12.4

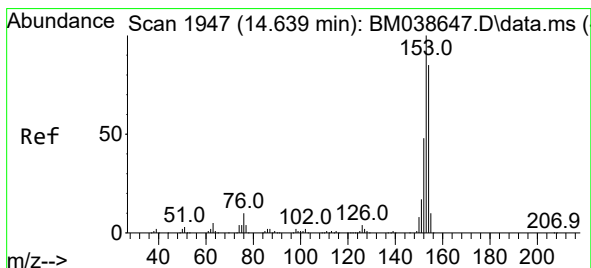
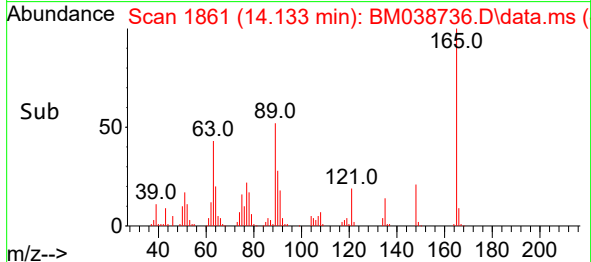
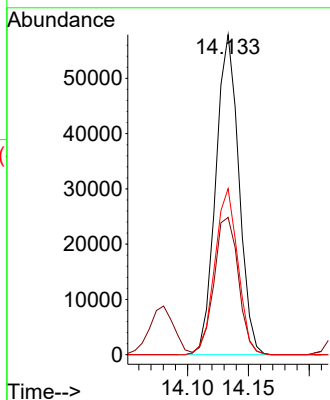
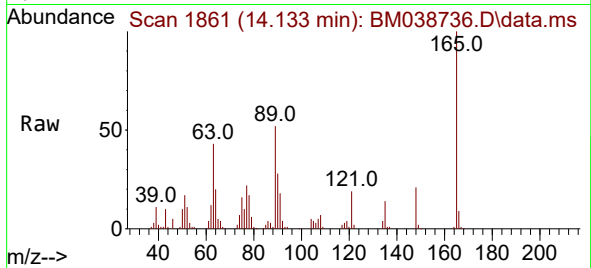




#51
2,6-Dinitrotoluene
Concen: 48.985 ng
RT: 14.133 min Scan# 1861
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

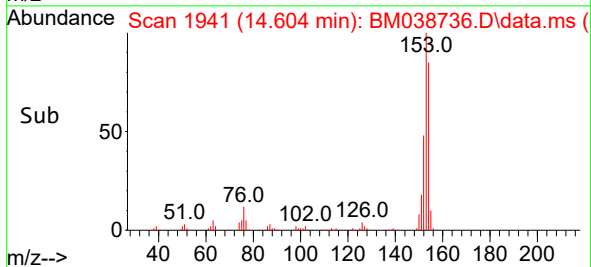
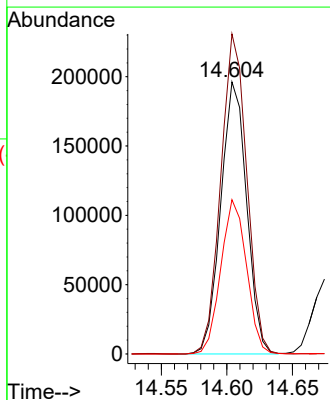
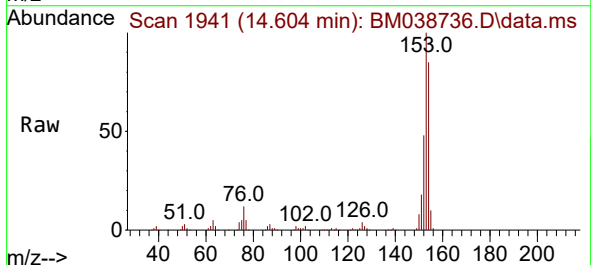
Instrument :
BNA_M
ClientSampleId :
SOILMS

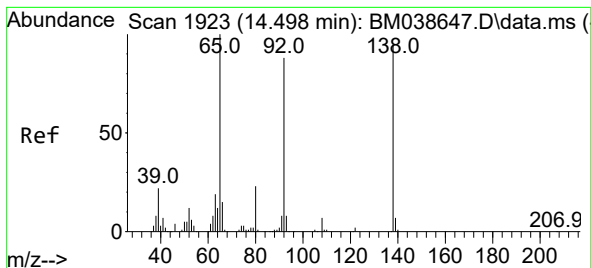
Tgt Ion:165 Resp: 76440
Ion Ratio Lower Upper
165 100
63 42.9 35.8 53.8
89 51.9 39.3 58.9



#52
Acenaphthene
Concen: 48.739 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:154 Resp: 268814
Ion Ratio Lower Upper
154 100
153 117.6 93.7 140.5
152 56.7 44.6 67.0

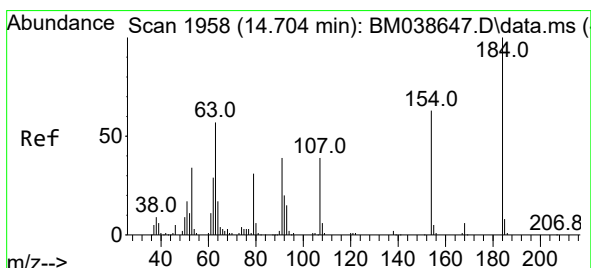
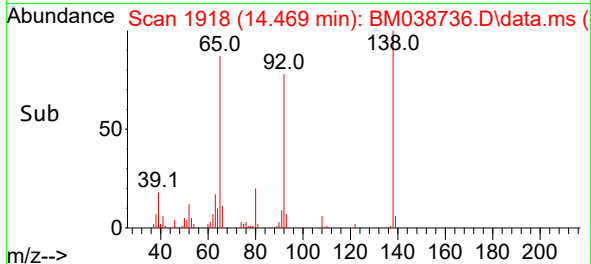
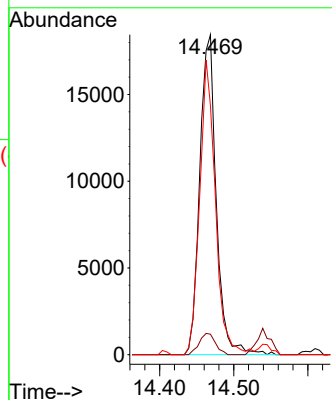
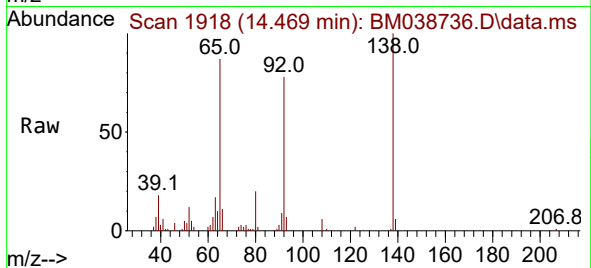




#53
3-Nitroaniline
Concen: 18.475 ng
RT: 14.469 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

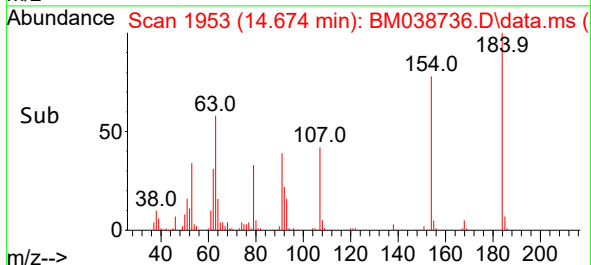
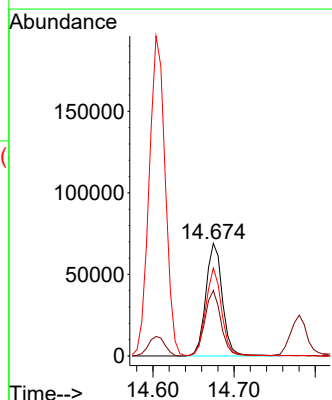
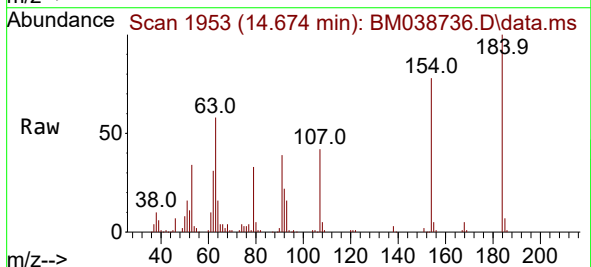
Instrument :
BNA_M
ClientSampleId :
SOILMS

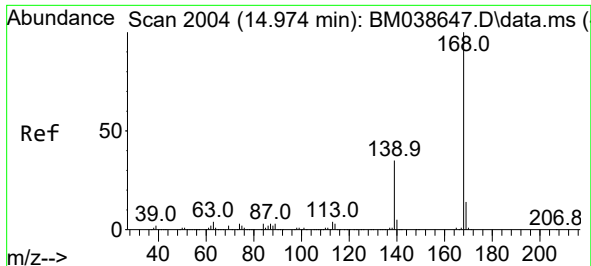
Tgt Ion:138 Resp: 28479
Ion Ratio Lower Upper
138 100
108 6.4 5.8 8.8
92 77.8 73.9 110.9



#54
2,4-Dinitrophenol
Concen: 95.937 ng
RT: 14.674 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:184 Resp: 97445
Ion Ratio Lower Upper
184 100
63 58.2 45.9 68.9
154 78.2 54.9 82.3

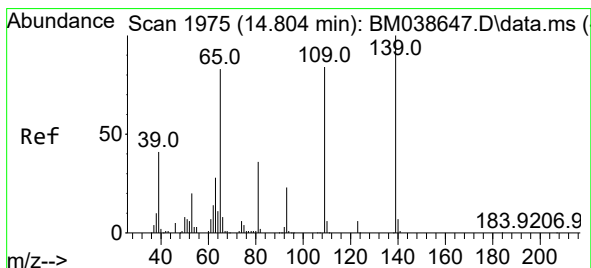
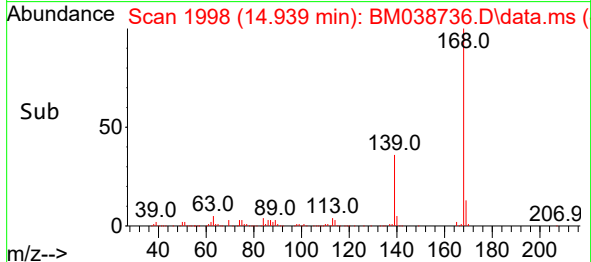
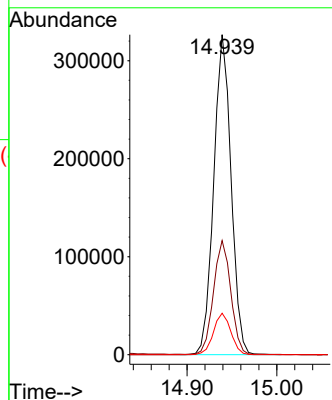
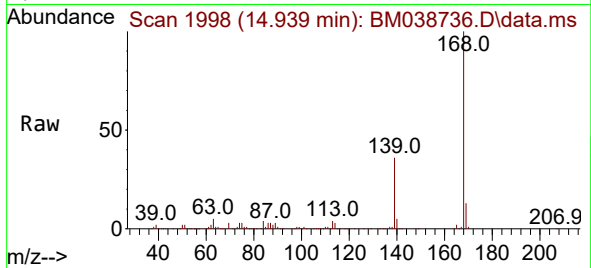




#55
Dibenzenofuran
Concen: 46.131 ng
RT: 14.939 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

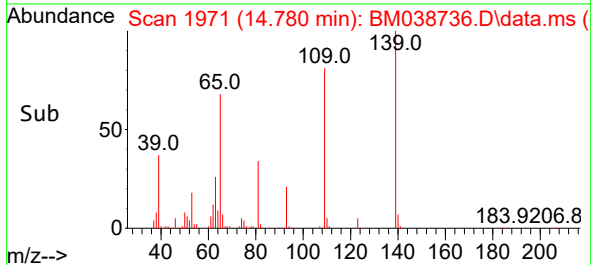
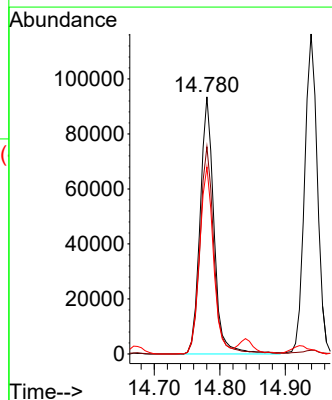
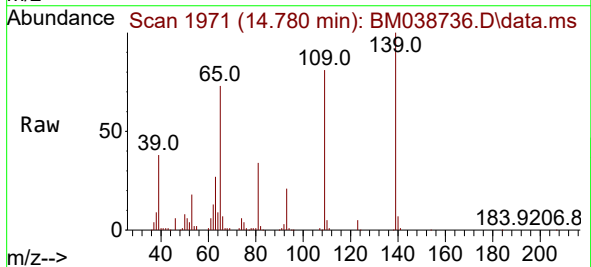
Instrument :
BNA_M
ClientSampleId :
SOILMS

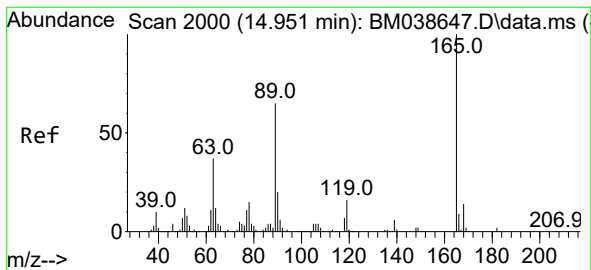
Tgt Ion:168 Resp: 438139
Ion Ratio Lower Upper
168 100
139 35.6 27.8 41.6
169 13.0 10.9 16.3



#56
4-Nitrophenol
Concen: 110.209 ng
RT: 14.780 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:139 Resp: 137930
Ion Ratio Lower Upper
139 100
109 80.6 63.8 103.8
65 72.8 62.5 102.5

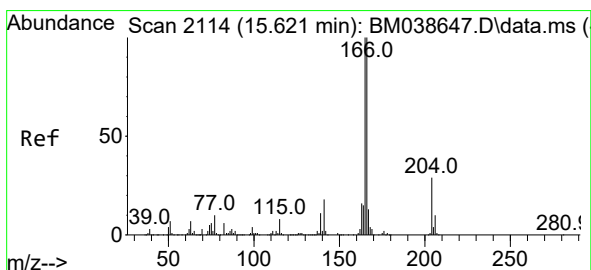
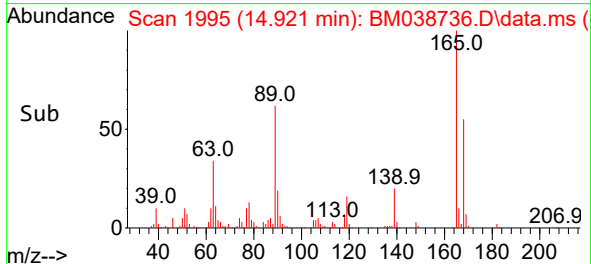
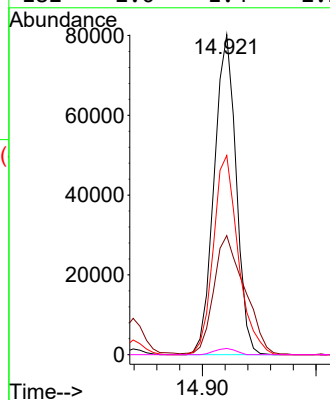
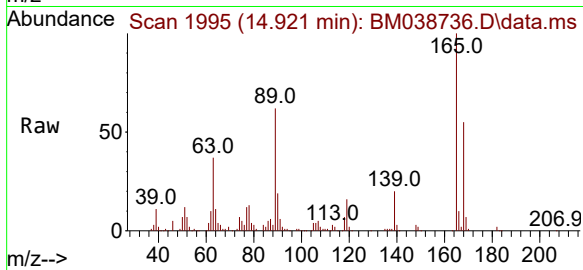




#57
2,4-Dinitrotoluene
Concen: 46.896 ng
RT: 14.921 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

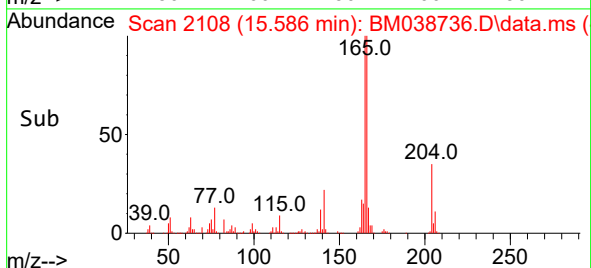
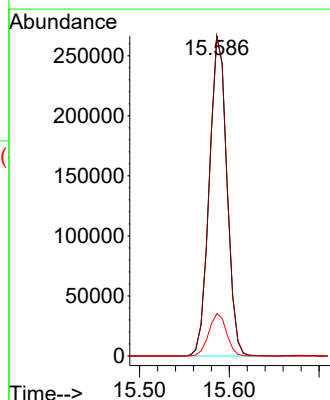
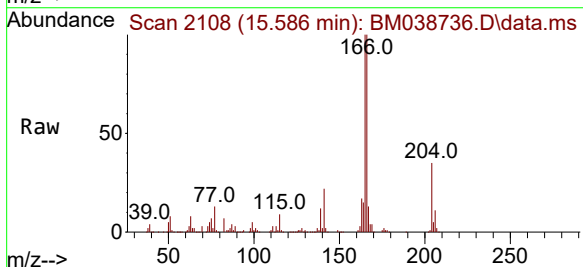
Instrument :
BNA_M
ClientSampleId :
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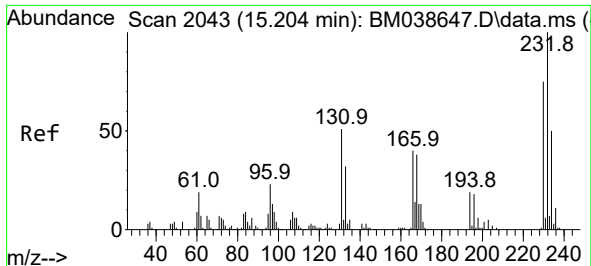
Tgt Ion:165 Resp: 107893
Ion Ratio Lower Upper
165 100
63 37.2 29.4 44.0
89 62.3 51.8 77.6
182 2.0 1.4 2.2



#58
Fluorene
Concen: 48.067 ng
RT: 15.586 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:166 Resp: 361224
Ion Ratio Lower Upper
166 100
165 99.8 80.2 120.4
167 13.3 10.7 16.1

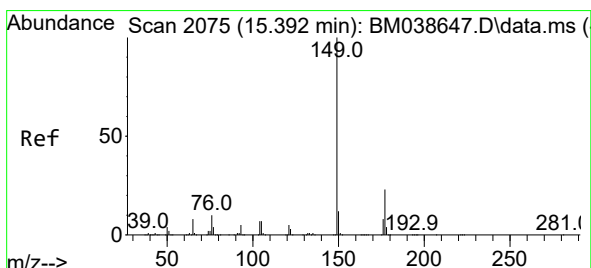
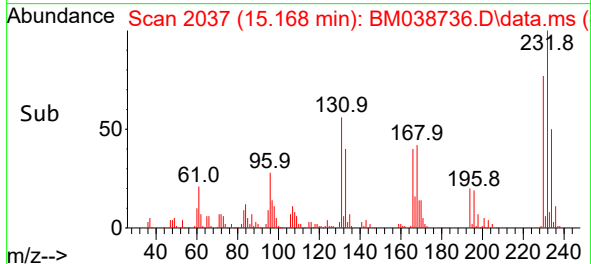
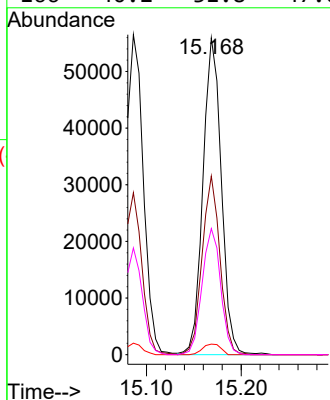
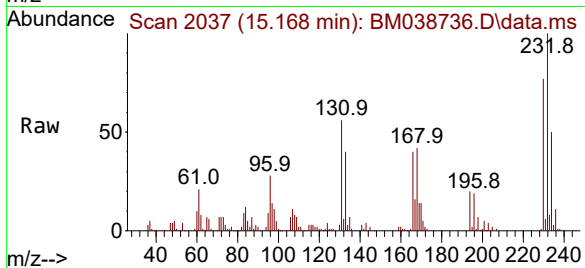




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.751 ng
RT: 15.168 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

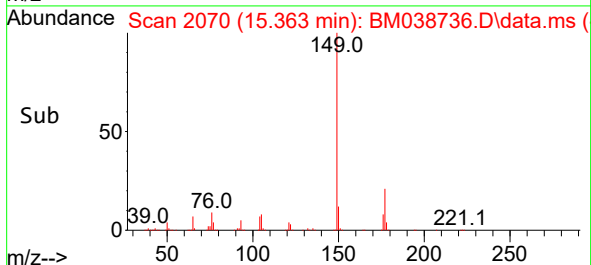
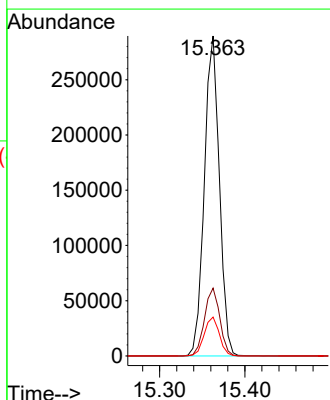
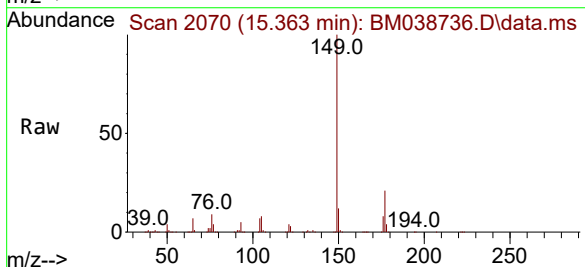
Instrument :
BNA_M
ClientSampleId :
SOILMS

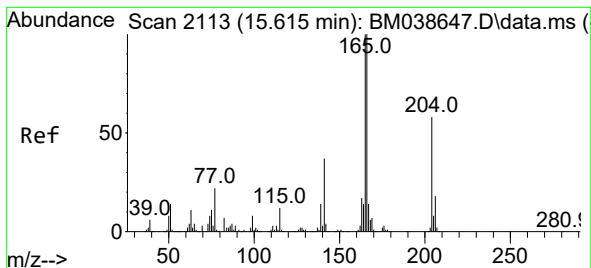
Tgt Ion:232 Resp: 75231
Ion Ratio Lower Upper
232 100
131 54.7 41.2 61.8
130 3.3 2.4 3.6
166 40.2 31.8 47.6



#60
Diethylphthalate
Concen: 48.641 ng
RT: 15.363 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:149 Resp: 353793
Ion Ratio Lower Upper
149 100
177 21.2 18.1 27.1
150 12.2 10.0 15.0

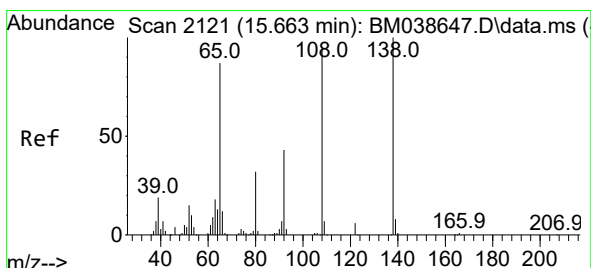
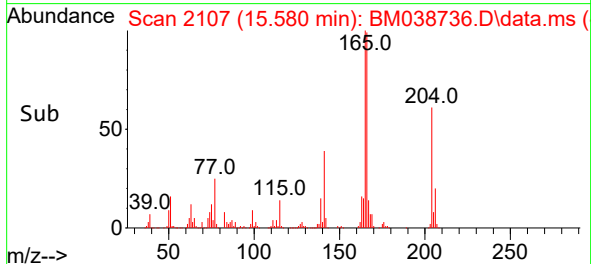
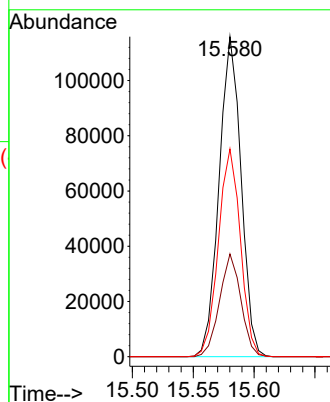
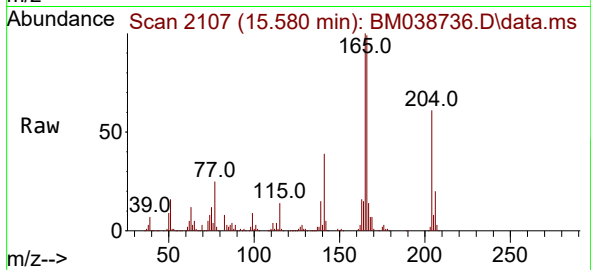




#61
4-Chlorophenyl-phenylether
Concen: 45.745 ng
RT: 15.580 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

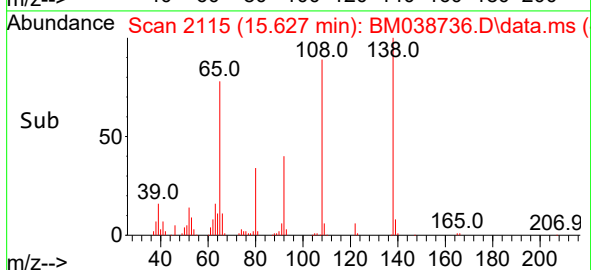
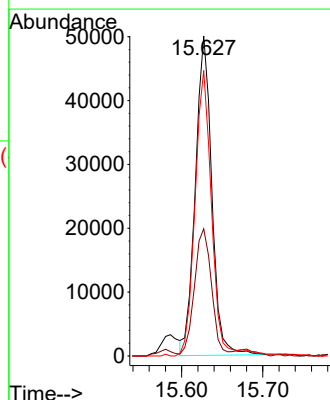
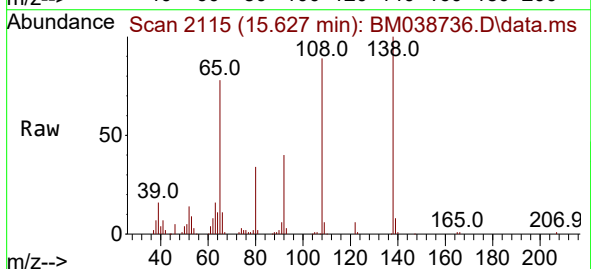
Instrument :
BNA_M
ClientSampleId :
SOILMS

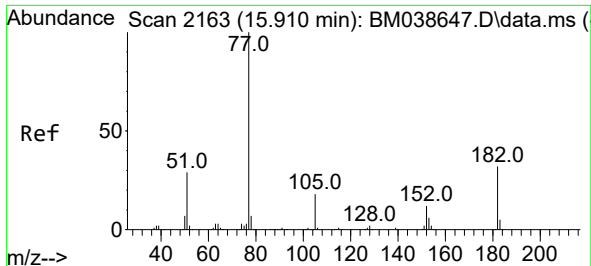
Tgt Ion:204 Resp: 145840
Ion Ratio Lower Upper
204 100
206 32.1 25.3 37.9
141 64.9 51.3 76.9



#62
4-Nitroaniline
Concen: 42.354 ng
RT: 15.627 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:138 Resp: 70629
Ion Ratio Lower Upper
138 100
92 39.7 23.4 63.4
108 89.2 75.1 115.1

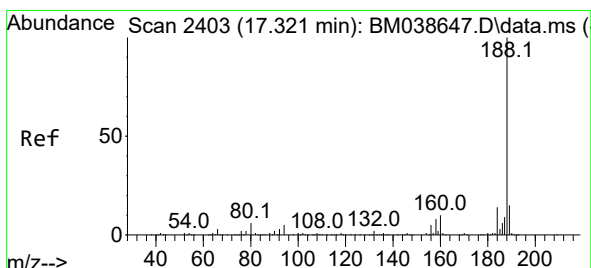
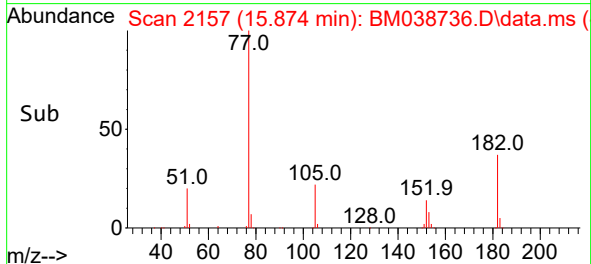
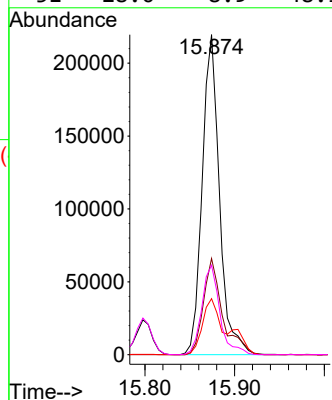
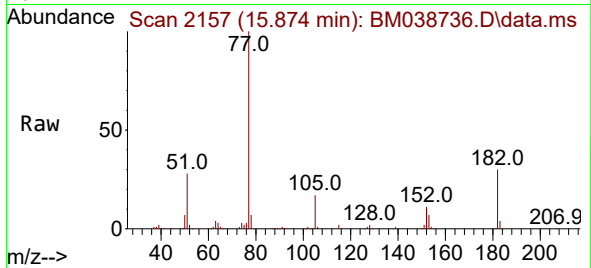




#63
Azobenzene
Concen: 52.454 ng
RT: 15.874 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

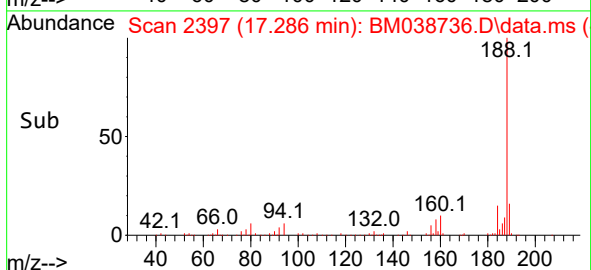
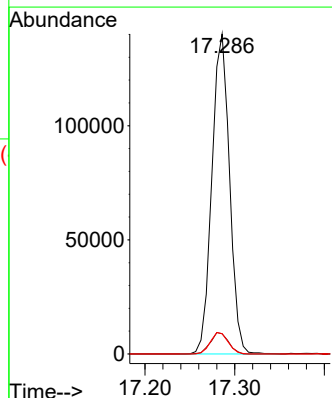
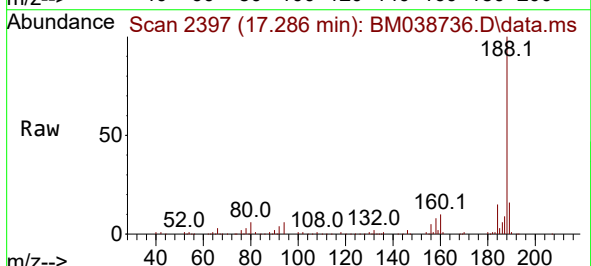
Instrument :
BNA_M
ClientSampleId :
SOILMS

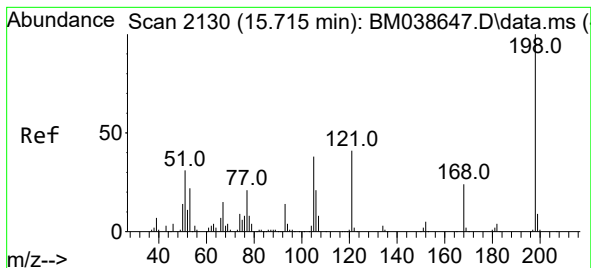
Tgt Ion: 77	Resp: 293535
Ion Ratio	Lower Upper
77 100	
182 30.1	12.0 52.0
105 17.5	0.0 37.5
51 28.0	8.9 48.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:188	Resp: 191608
Ion Ratio	Lower Upper
188 100	
94 6.3	4.2 6.4
80 6.3	4.6 7.0

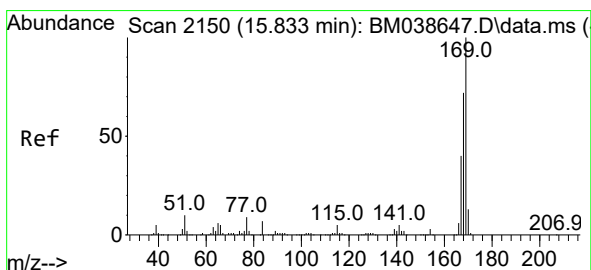
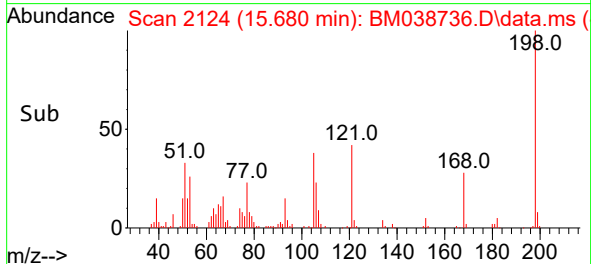
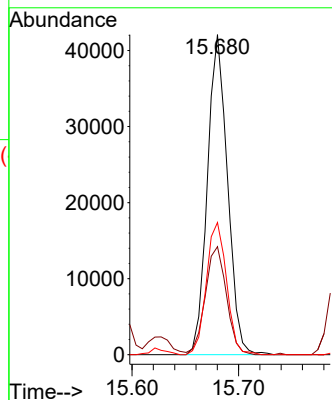
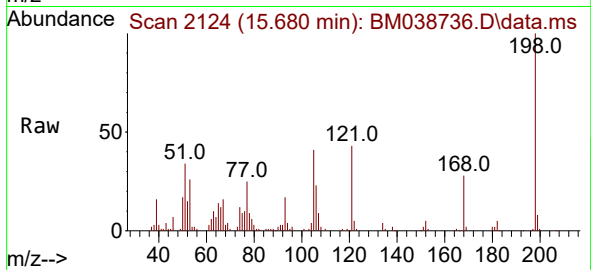




#65
4,6-Dinitro-2-methylphenol
Concen: 45.703 ng
RT: 15.680 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

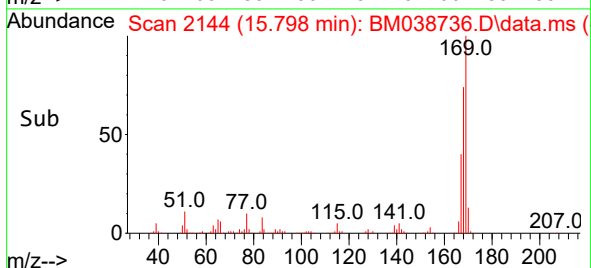
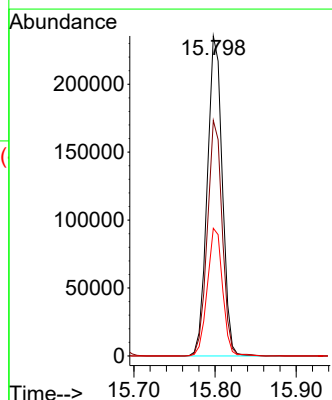
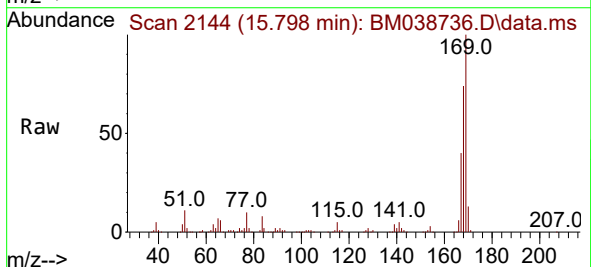
Instrument :
BNA_M
ClientSampleId :
SOILMS

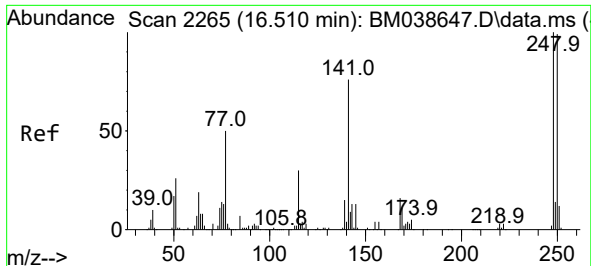
Tgt Ion:198 Resp: 55127
Ion Ratio Lower Upper
198 100
51 33.7 13.0 53.0
105 41.3 17.9 57.9



#66
n-Nitrosodiphenylamine
Concen: 48.162 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:169 Resp: 301317
Ion Ratio Lower Upper
169 100
168 73.6 57.6 86.4
167 39.9 32.3 48.5

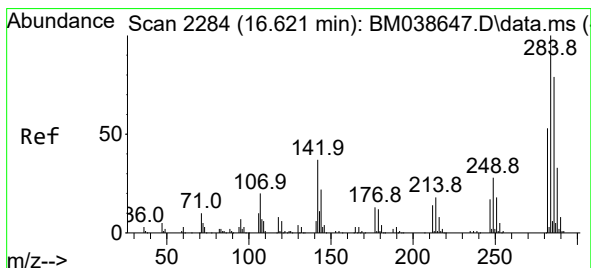
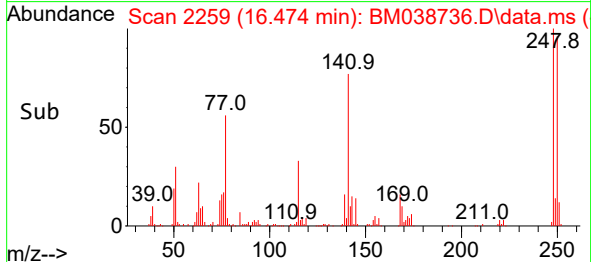
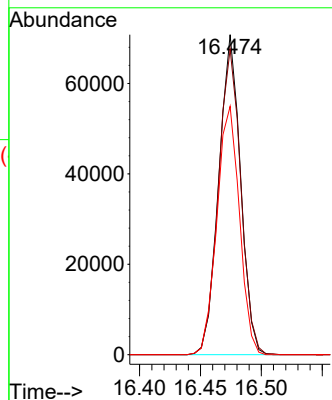
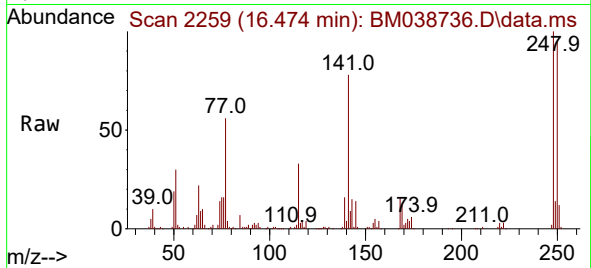




#67
4-Bromophenyl-phenylether
Concen: 47.618 ng
RT: 16.474 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

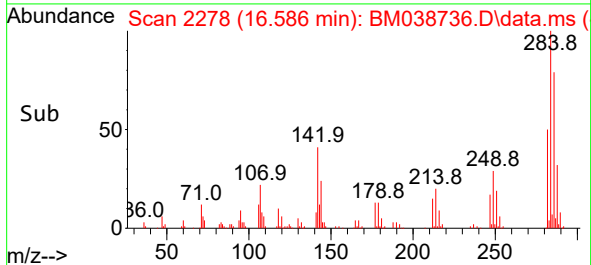
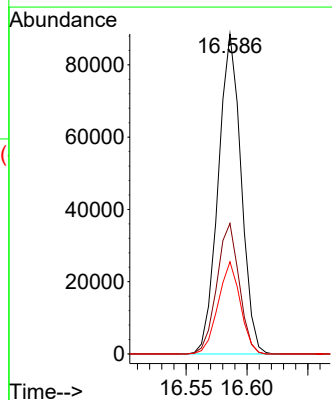
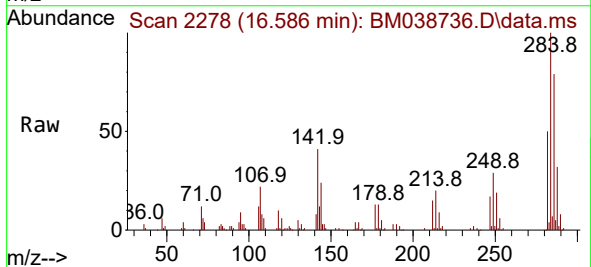
Instrument :
BNA_M
ClientSampleId :
SOILMS

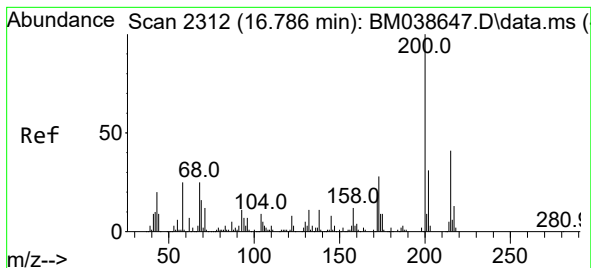
Tgt Ion:248 Resp: 88098
Ion Ratio Lower Upper
248 100
250 95.5 79.4 119.2
141 77.6 61.0 91.6



#68
Hexachlorobenzene
Concen: 51.210 ng
RT: 16.586 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:284 Resp: 115790
Ion Ratio Lower Upper
284 100
142 40.8 29.8 44.6
249 28.8 22.2 33.4





#69

Atrazine

Concen: 53.004 ng

RT: 16.751 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

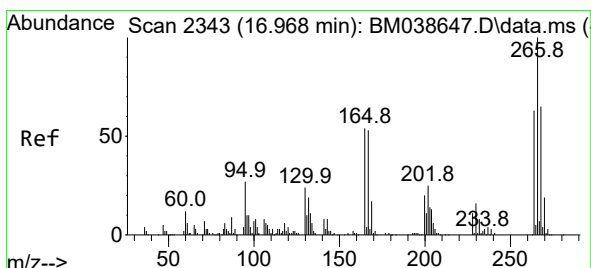
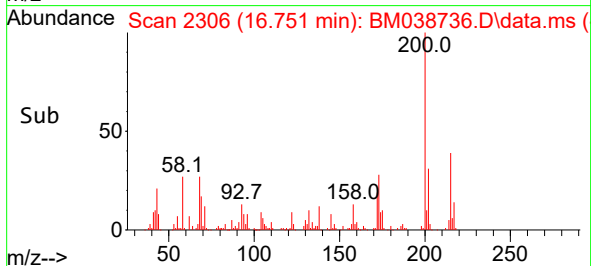
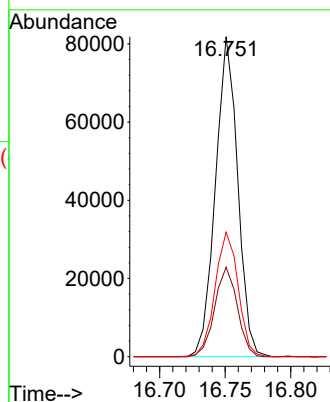
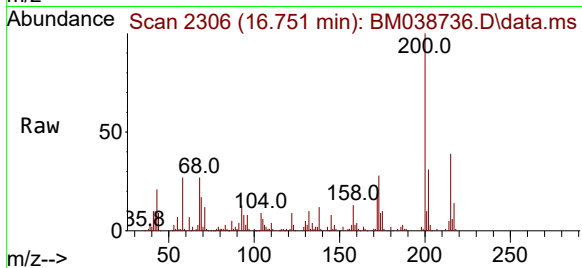
Tgt Ion:200 Resp: 96112

Ion Ratio Lower Upper

200 100

173 27.9 7.9 47.9

215 38.9 20.8 60.8



#70

Pentachlorophenol

Concen: 89.226 ng

RT: 16.939 min Scan# 2338

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

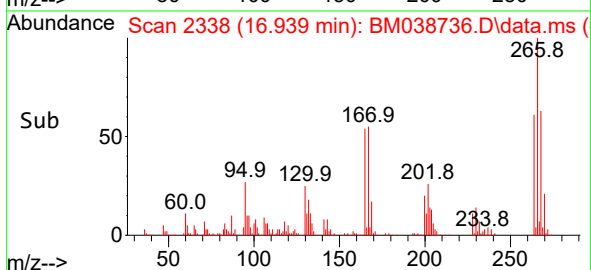
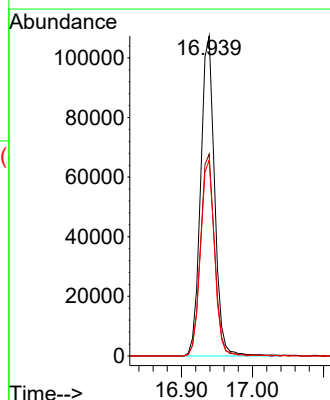
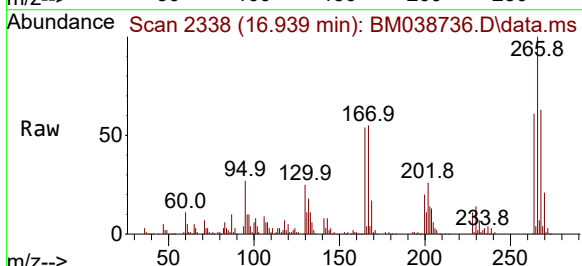
Tgt Ion:266 Resp: 147067

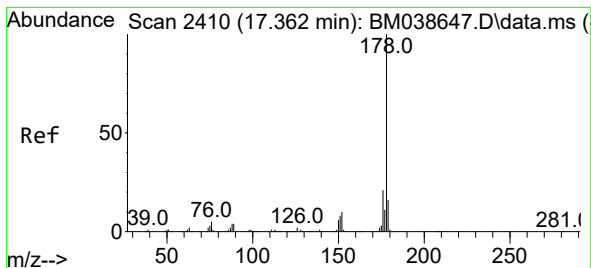
Ion Ratio Lower Upper

266 100

268 63.0 51.8 77.6

264 61.2 50.6 76.0





#71

Phenanthrene

Concen: 48.851 ng

RT: 17.327 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

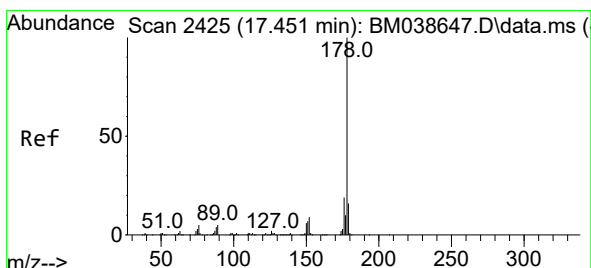
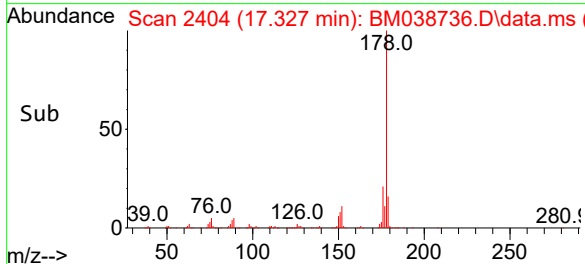
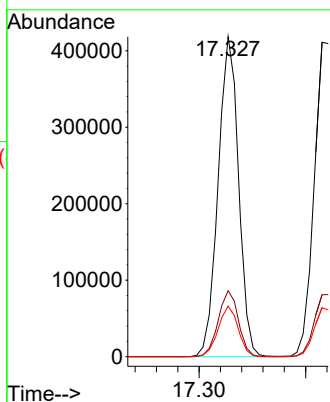
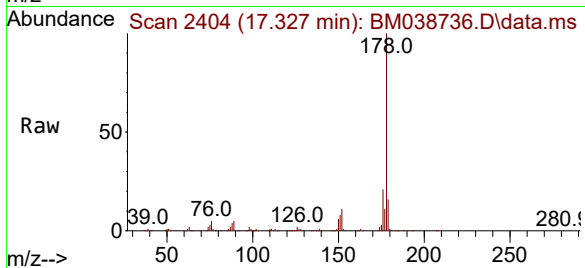
Tgt Ion:178 Resp: 555782

Ion Ratio Lower Upper

178 100

176 20.6 16.7 25.1

179 15.8 12.5 18.7



#72

Anthracene

Concen: 49.146 ng

RT: 17.415 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

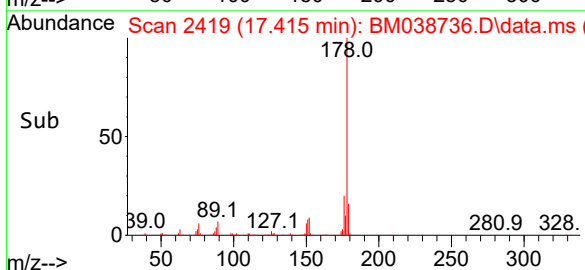
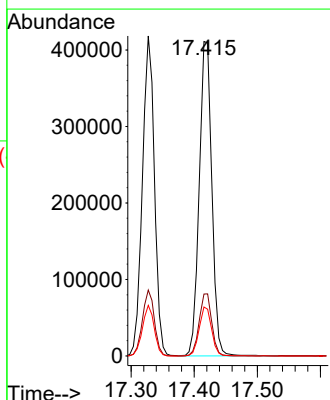
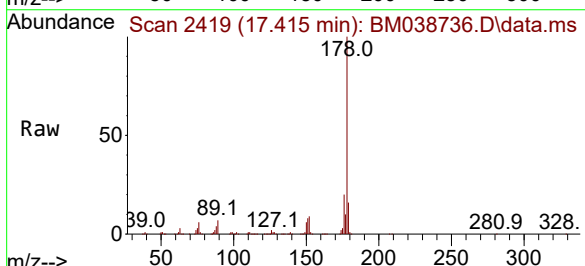
Tgt Ion:178 Resp: 572005

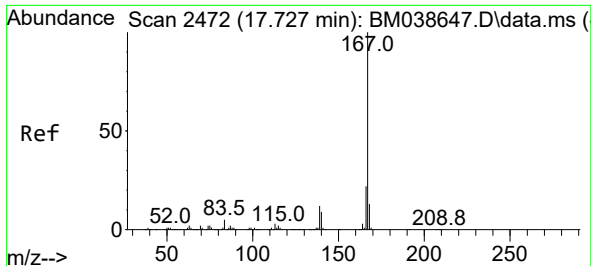
Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 15.6 12.4 18.6

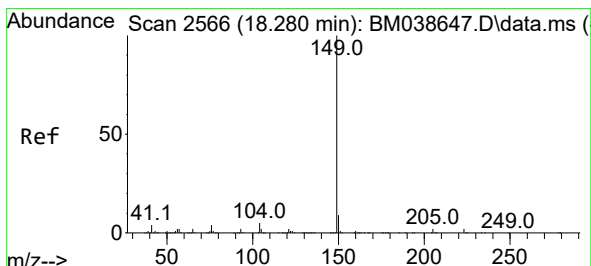
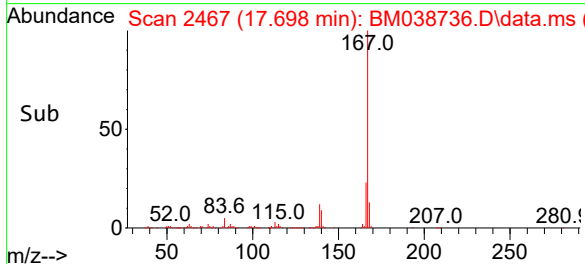
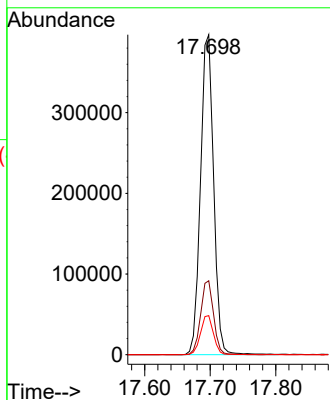
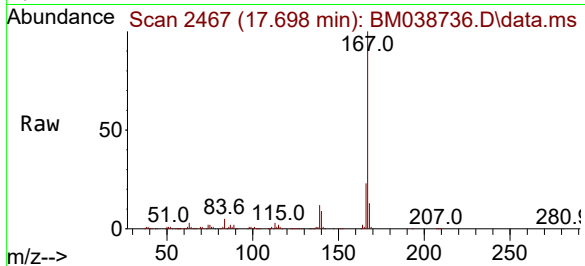




#73
 Carbazole
 Concen: 51.009 ng
 RT: 17.698 min Scan# 2472
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

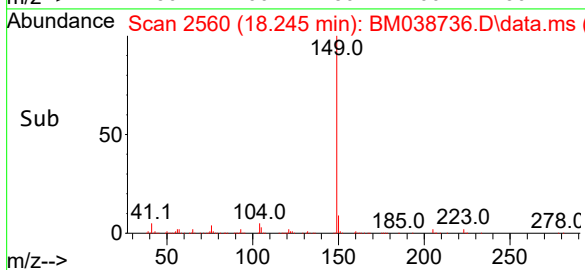
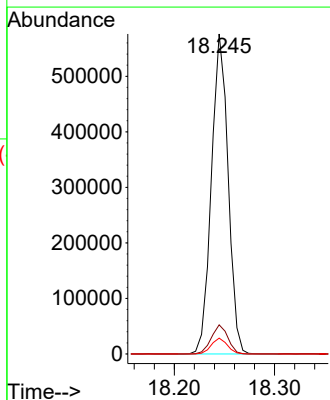
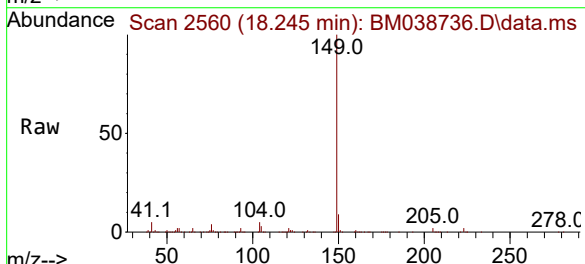
Instrument :
 BNA_M
 ClientSampleId :
 SOILMS

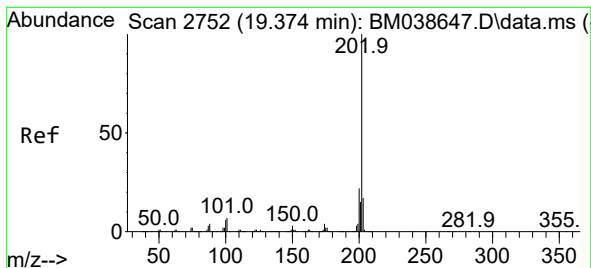
Tgt Ion:167 Resp: 553691
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.8 26.6
 139 12.2 9.4 14.2



#74
 Di-n-butylphthalate
 Concen: 54.412 ng
 RT: 18.245 min Scan# 2560
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

Tgt Ion:149 Resp: 667290
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.0 3.8 5.6





#75

Fluoranthene

Concen: 50.699 ng

RT: 19.339 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

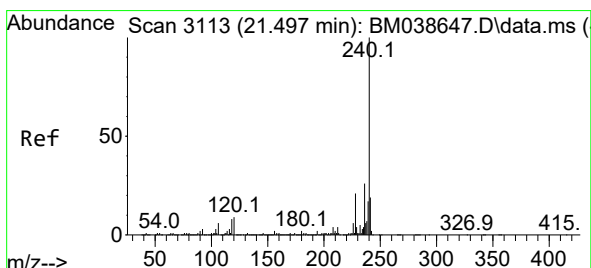
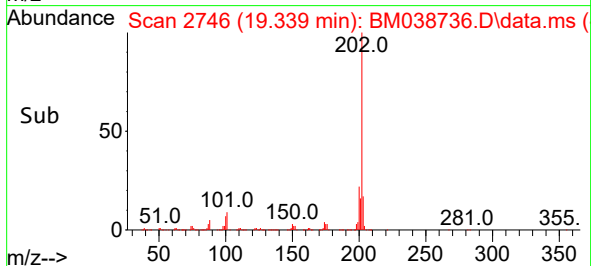
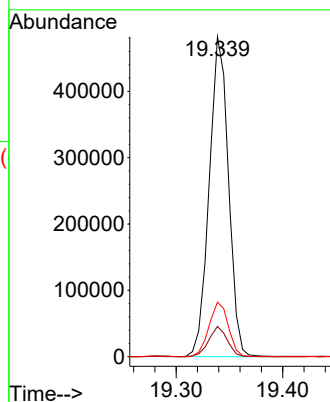
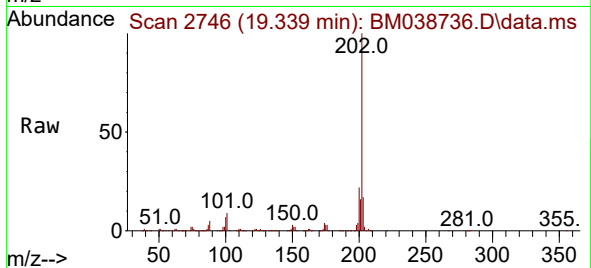
Tgt Ion:202 Resp: 605623

Ion Ratio Lower Upper

202 100

101 9.4 0.0 27.4

203 17.0 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

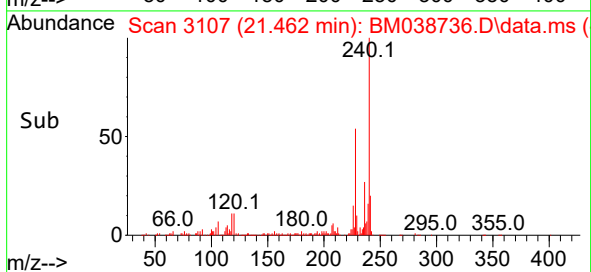
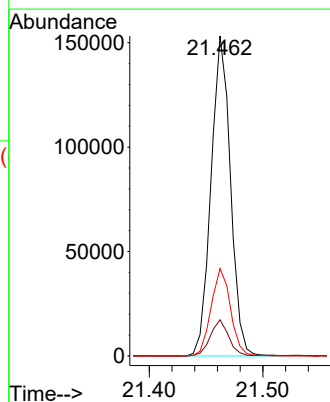
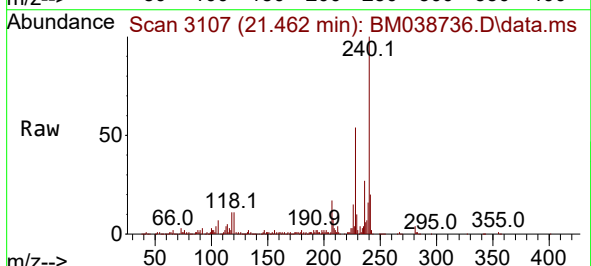
Tgt Ion:240 Resp: 182212

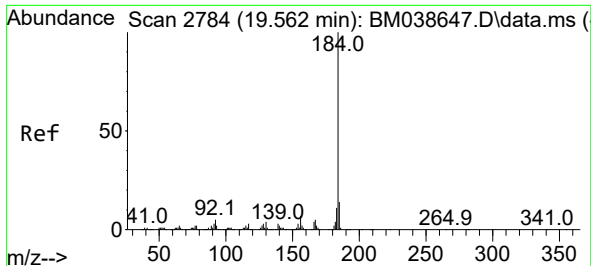
Ion Ratio Lower Upper

240 100

120 11.3 7.0 10.4#

236 27.3 20.9 31.3

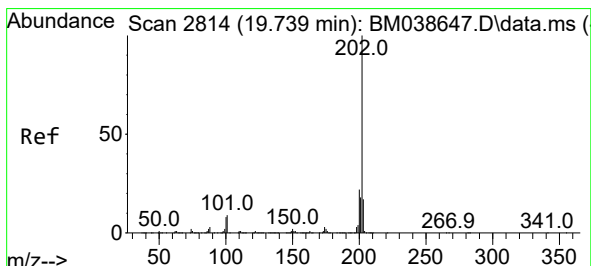
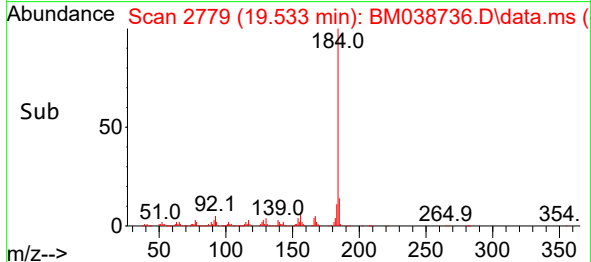
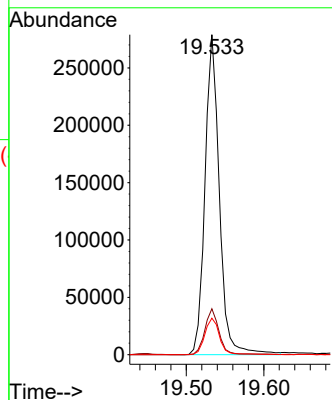
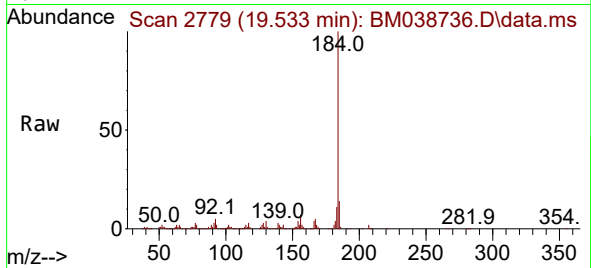




#77
Benzidine
Concen: 64.592 ng
RT: 19.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

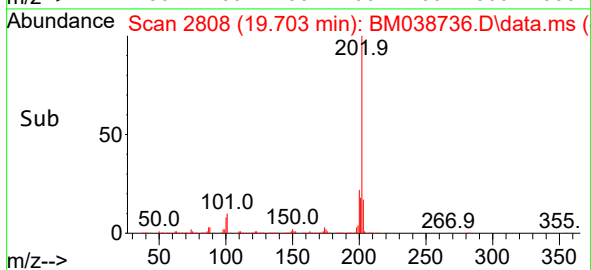
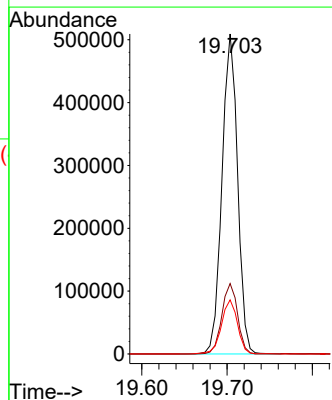
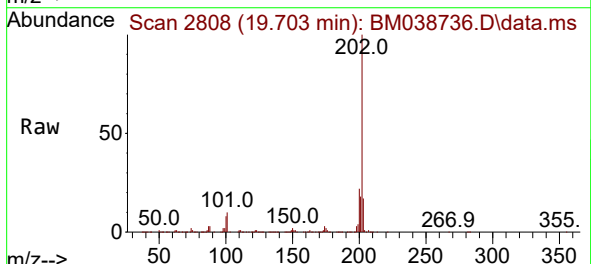
Instrument :
BNA_M
ClientSampleId :
SOILMS

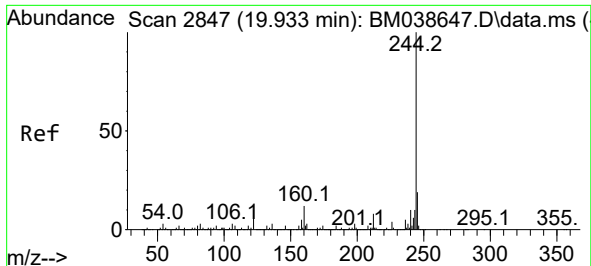
Tgt Ion:184 Resp: 359898
Ion Ratio Lower Upper
184 100
185 14.4 10.8 16.2
183 11.4 8.8 13.2



#78
Pyrene
Concen: 46.109 ng
RT: 19.703 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:202 Resp: 646840
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.6
203 16.9 13.5 20.3

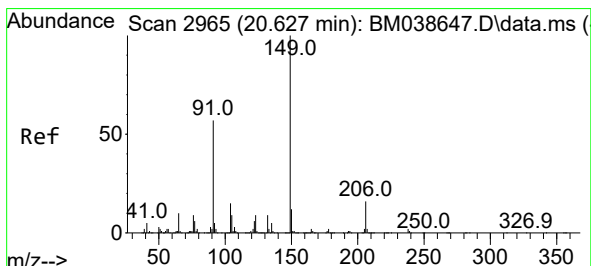
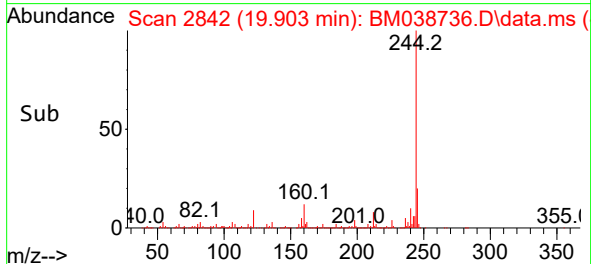
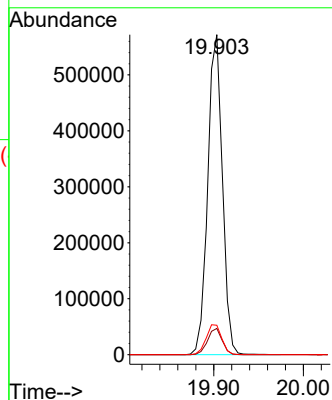
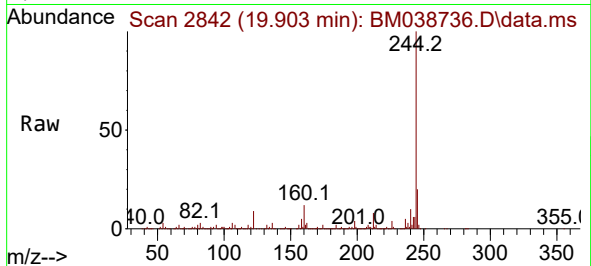




#79
 Terphenyl-d14
 Concen: 62.733 ng
 RT: 19.903 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

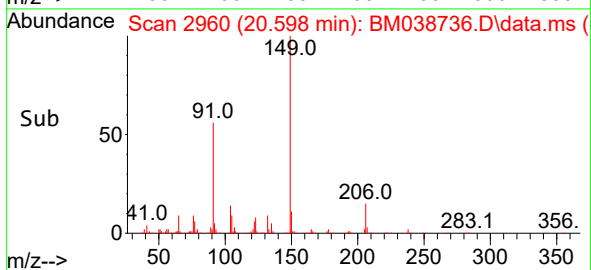
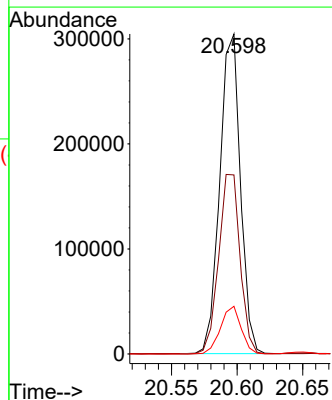
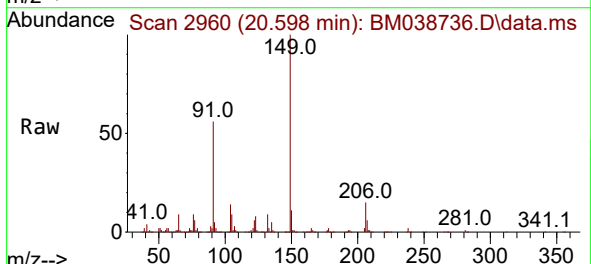
Instrument :
 BNA_M
 ClientSampleId :
 SOILMS

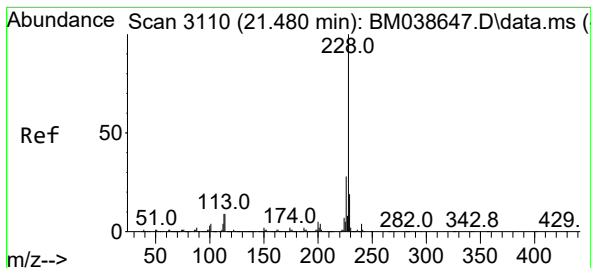
Tgt Ion:244 Resp: 647751
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 9.2 7.8 11.8



#80
 Butylbenzylphthalate
 Concen: 47.697 ng
 RT: 20.598 min Scan# 2960
 Delta R.T. 0.006 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

Tgt Ion:149 Resp: 333022
 Ion Ratio Lower Upper
 149 100
 91 55.9 45.6 68.4
 206 14.9 12.5 18.7





#81

Benzo(a)anthracene

Concen: 49.704 ng

RT: 21.445 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

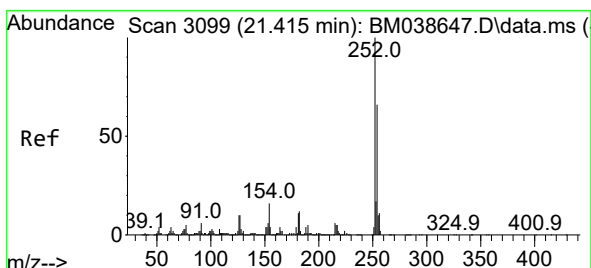
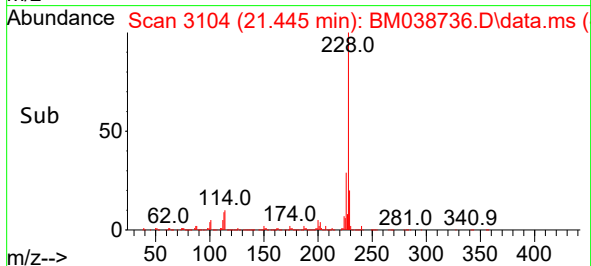
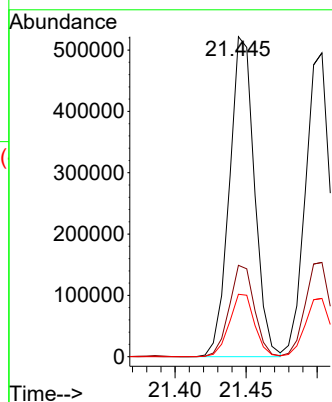
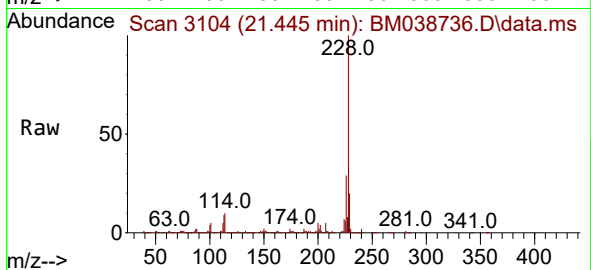
Tgt Ion:228 Resp: 640635

Ion Ratio Lower Upper

228 100

226 28.6 22.2 33.4

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 25.566 ng

RT: 21.386 min Scan# 3094

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

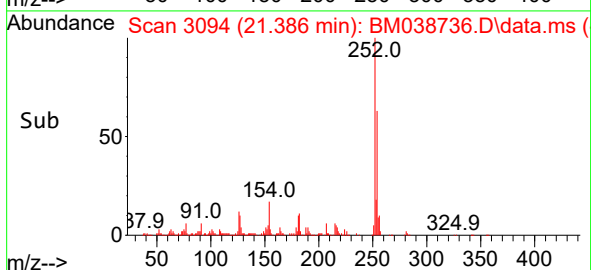
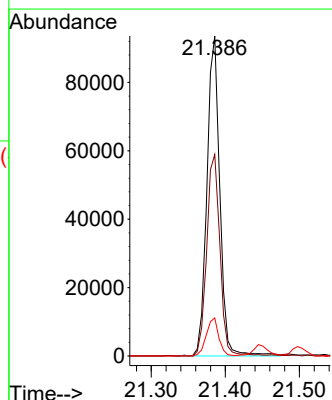
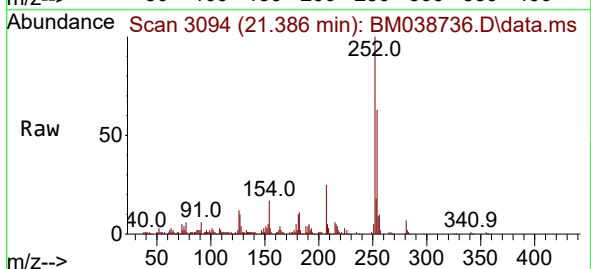
Tgt Ion:252 Resp: 113366

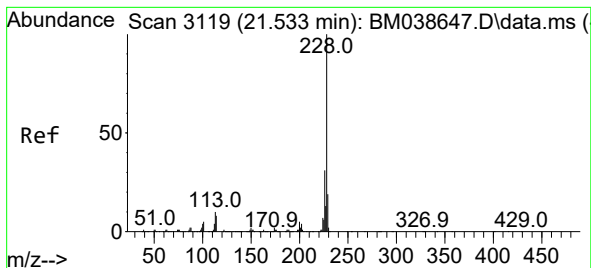
Ion Ratio Lower Upper

252 100

254 62.9 52.8 79.2

126 11.9 8.2 12.2





#83

Chrysene

Concen: 48.534 ng

RT: 21.503 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

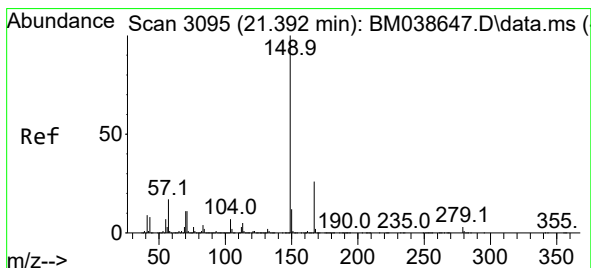
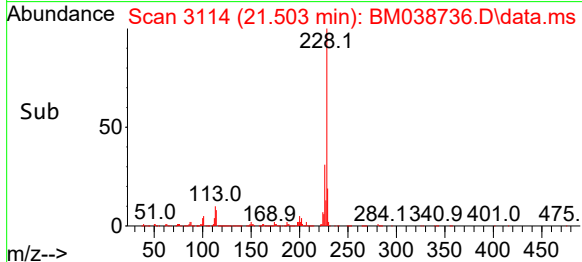
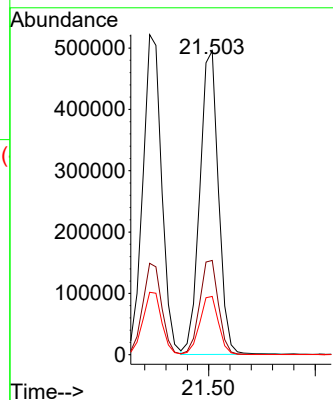
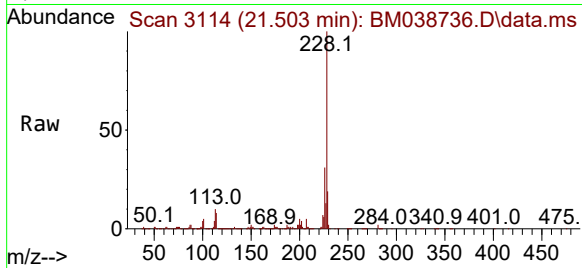
Tgt Ion:228 Resp: 602727

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

229 19.2 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.480 ng

RT: 21.362 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

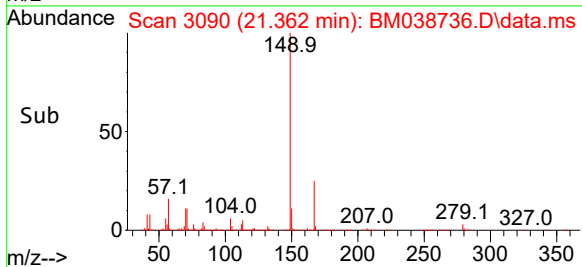
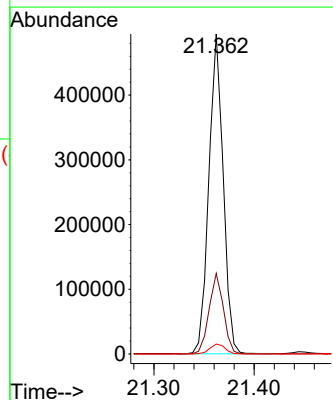
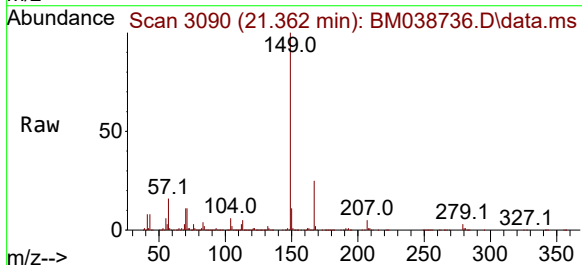
Tgt Ion:149 Resp: 492833

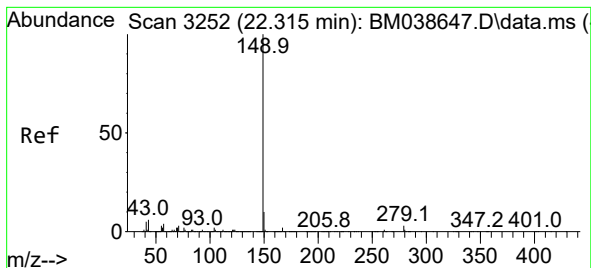
Ion Ratio Lower Upper

149 100

167 25.1 20.8 31.2

279 3.1 2.5 3.7





#85

Di-n-octyl phthalate

Concen: 53.621 ng

RT: 22.280 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

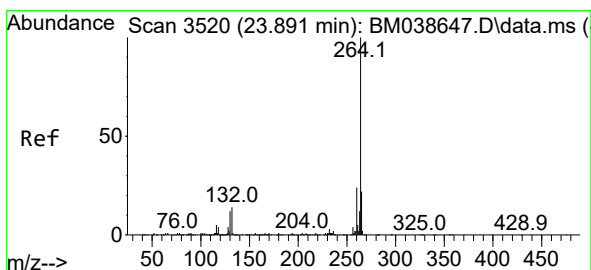
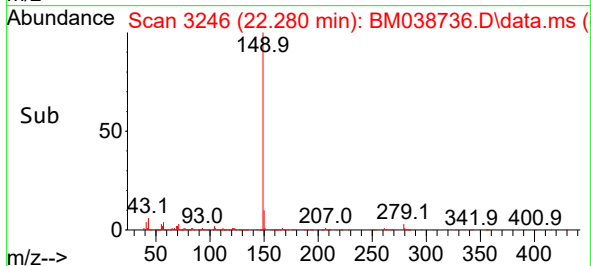
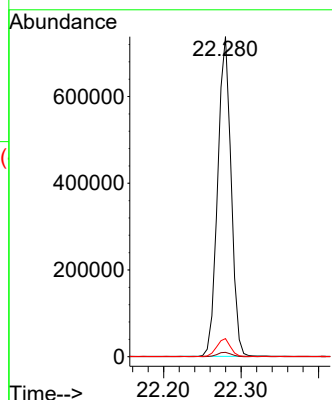
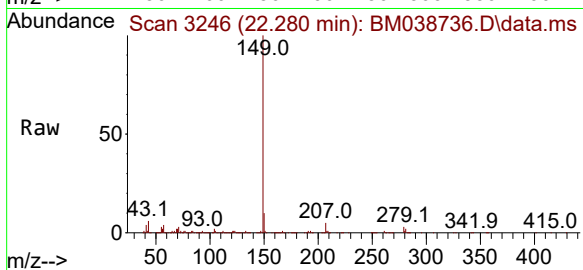
Tgt Ion:149 Resp: 885434

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 5.8 4.6 6.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 3512

Delta R.T. 0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

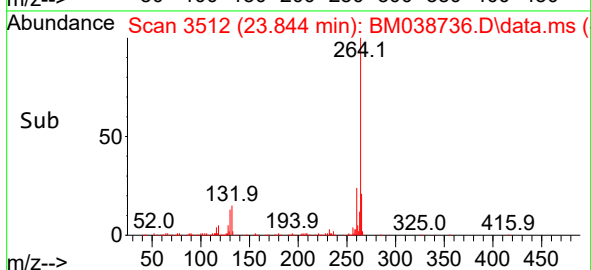
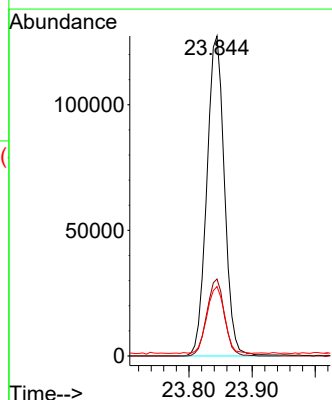
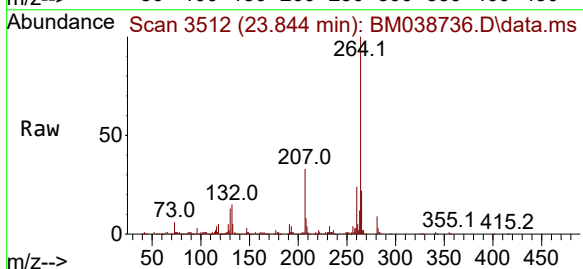
Tgt Ion:264 Resp: 246889

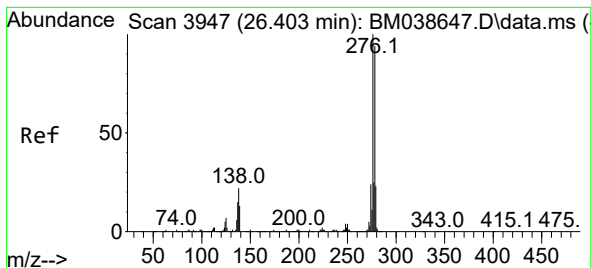
Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 21.7 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.092 ng

RT: 26.321 min Scan# 3947

Delta R.T. 0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

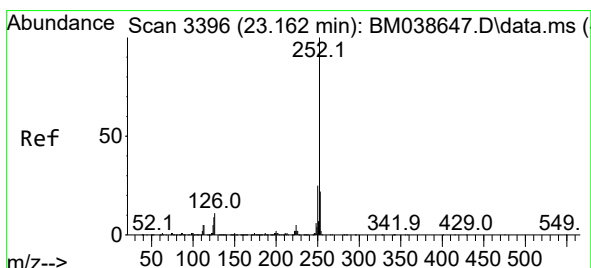
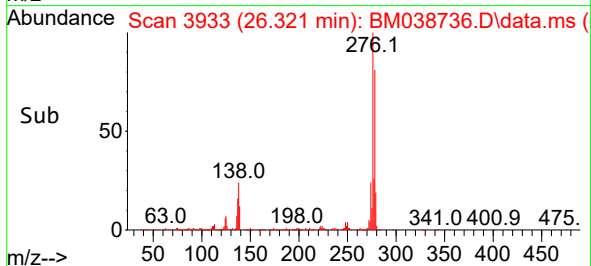
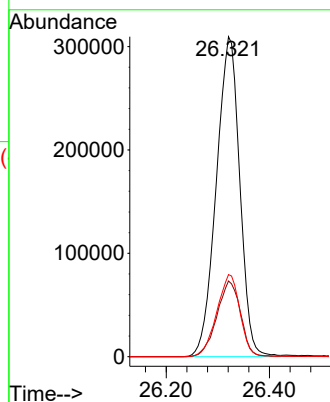
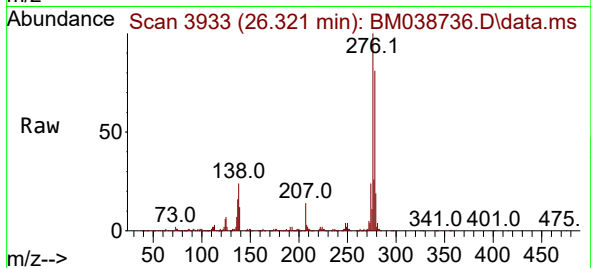
Tgt Ion:276 Resp: 974112

Ion Ratio Lower Upper

276 100

138 24.0 17.2 25.8

277 25.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 50.564 ng

RT: 23.115 min Scan# 3388

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

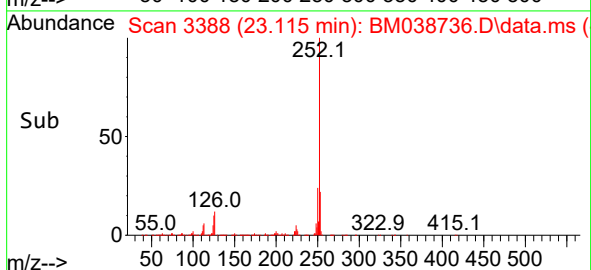
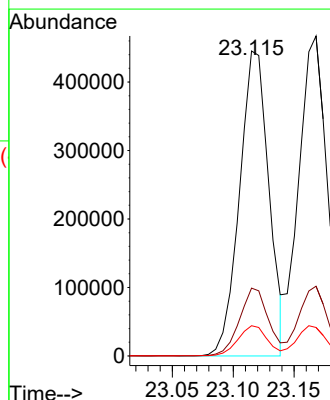
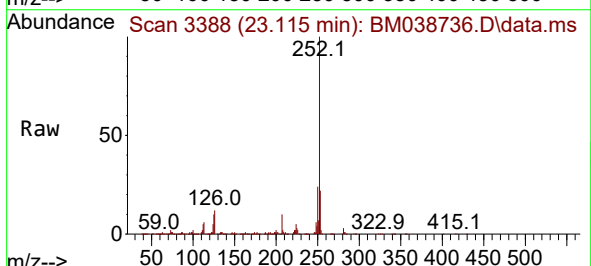
Tgt Ion:252 Resp: 747717

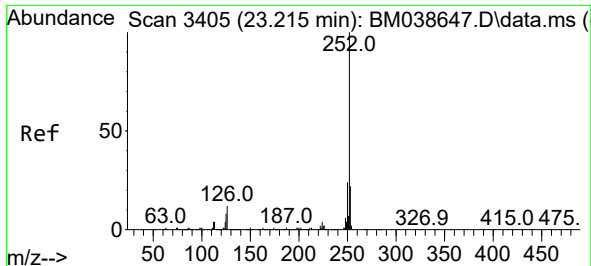
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.9 7.0 10.6

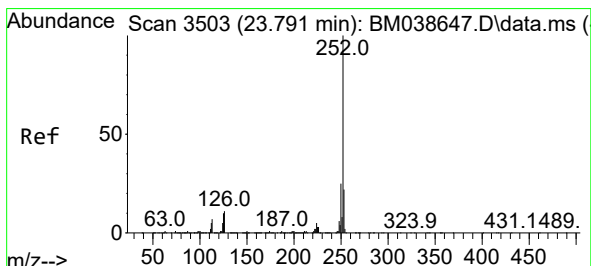
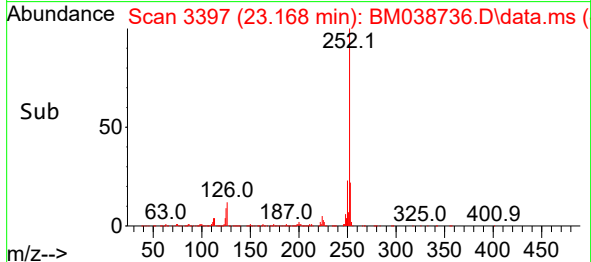
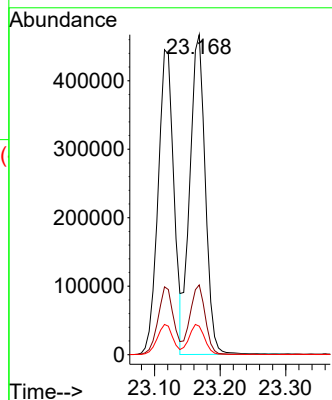
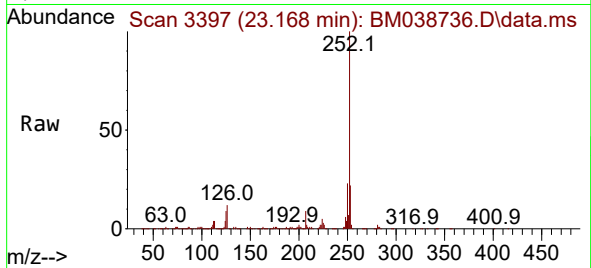




#89
Benzo(k)fluoranthene
Concen: 50.611 ng
RT: 23.168 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

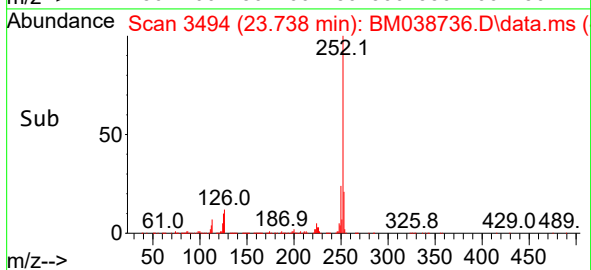
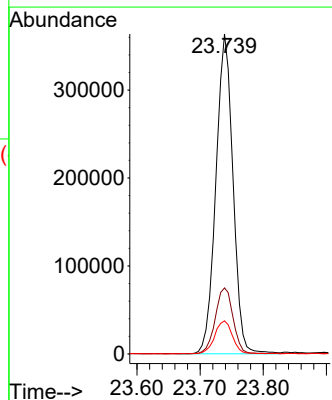
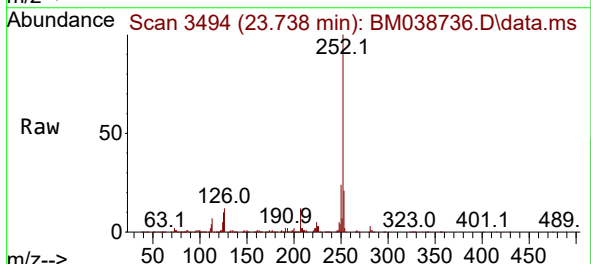
Instrument :
BNA_M
ClientSampleId :
SOILMS

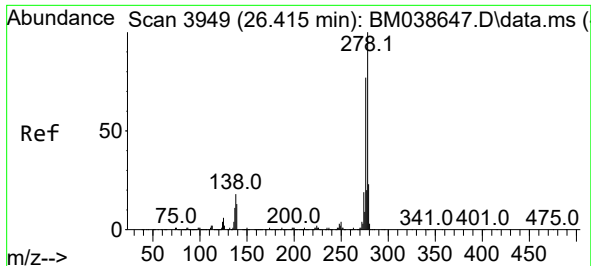
Tgt Ion:252 Resp: 759992
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 8.9 6.6 9.8



#90
Benzo(a)pyrene
Concen: 46.650 ng
RT: 23.738 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:252 Resp: 682192
Ion Ratio Lower Upper
252 100
253 20.7 17.7 26.5
125 10.4 7.8 11.8

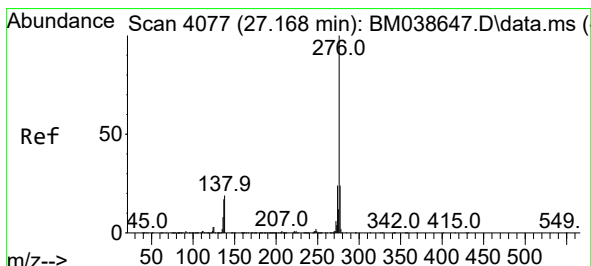
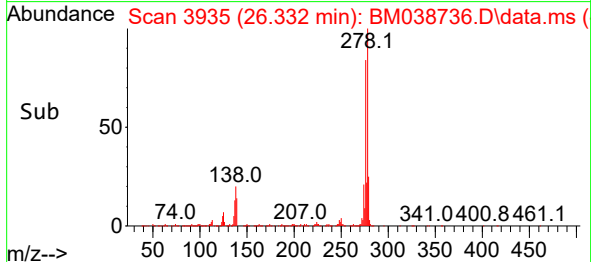
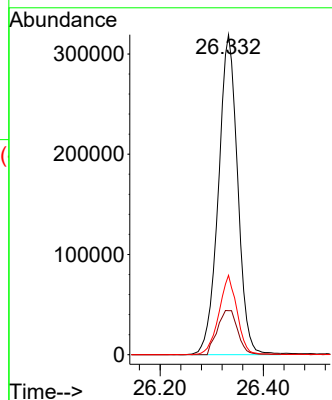
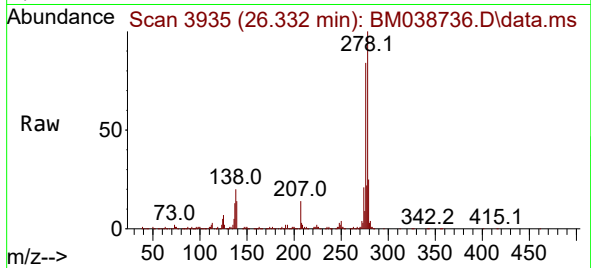




#91
Dibenzo(a,h)anthracene
Concen: 50.434 ng
RT: 26.332 min Scan# 3949
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion:278 Resp: 825157
Ion Ratio Lower Upper
278 100
139 13.7 10.5 15.7
279 24.8 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 47.803 ng
RT: 27.085 min Scan# 4063
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:276 Resp: 790591
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 19.7 15.3 22.9

