

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039017.D
 Acq On : 16 Mar 2023 14:45
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 17 06:15:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 06:13:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	339995	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	1453594	20.000	ng	0.00
39) Acenaphthene-d10	14.615	164	902262	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	1922709	20.000	ng	0.00
76) Chrysene-d12	21.544	240	1816218	20.000	ng	0.00
86) Perylene-d12	23.985	264	1829537	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2292557	102.444	ng	0.00
7) Phenol-d6	7.134	99	3135380	107.865	ng	0.00
23) Nitrobenzene-d5	9.145	82	2351594	79.467	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	1146648	109.856	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	5031262	72.592	ng	0.00
79) Terphenyl-d14	19.986	244	7627662	76.785	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	41637	4.182	ng	95
3) Pyridine	3.810	79	120319	4.358	ng	96
4) n-Nitrosodimethylamine	3.716	42	59823	5.324	ng	# 96
6) Aniline	7.298	93	199048	5.215	ng	97
8) 2-Chlorophenol	7.534	128	121793	5.112	ng	95
9) Benzaldehyde	7.110	77	109507	7.917	ng	97
10) Phenol	7.157	94	165517	5.362	ng	96
11) bis(2-Chloroethyl)ether	7.398	93	134424	5.356	ng	99
12) 1,3-Dichlorobenzene	7.863	146	134800	5.324	ng	99
13) 1,4-Dichlorobenzene	8.010	146	135143	5.248	ng	98
14) 1,2-Dichlorobenzene	8.328	146	135126	5.448	ng	97
15) Benzyl Alcohol	8.216	79	114136	5.478	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.504	45	190586	6.013	ng	98
17) 2-Methylphenol	8.416	107	104375	4.922	ng	99
18) Hexachloroethane	9.063	117	50258	5.290	ng	93
19) n-Nitroso-di-n-propyla...	8.786	70	113060	6.175	ng	98
20) 3+4-Methylphenols	8.745	107	136535	4.822	ng	99
22) Acetophenone	8.804	105	183300	4.495	ng	# 96
24) Nitrobenzene	9.186	77	171024	5.499	ng	98
25) Isophorone	9.710	82	296024	5.436	ng	99
26) 2-Nitrophenol	9.898	139	55796	4.539	ng	96
27) 2,4-Dimethylphenol	9.957	122	117909	4.969	ng	97
28) bis(2-Chloroethoxy)met...	10.198	93	189304	5.410	ng	99
29) 2,4-Dichlorophenol	10.433	162	102417	4.553	ng	99
30) 1,2,4-Trichlorobenzene	10.651	180	119669	4.868	ng	99
31) Naphthalene	10.839	128	418277	5.046	ng	100
33) 4-Chloroaniline	10.951	127	171276	4.849	ng	99
34) Hexachlorobutadiene	11.127	225	66376	4.708	ng	97
35) Caprolactam	11.722	113	28469	4.158	ng	93
36) 4-Chloro-3-methylphenol	12.063	107	119332	4.982	ng	99
37) 2-Methylnaphthalene	12.445	142	285814	5.145	ng	99
38) 1-Methylnaphthalene	12.669	142	267991	5.148	ng	100
40) 1,2,4,5-Tetrachloroben...	12.810	216	112920	3.850	ng	98
41) Hexachlorocyclopentadiene	12.792	237	75483	4.688	ng	95
43) 2,4,6-Trichlorophenol	13.051	196	80391	4.232	ng	98
44) 2,4,5-Trichlorophenol	13.116	196	88694	3.989	ng	98

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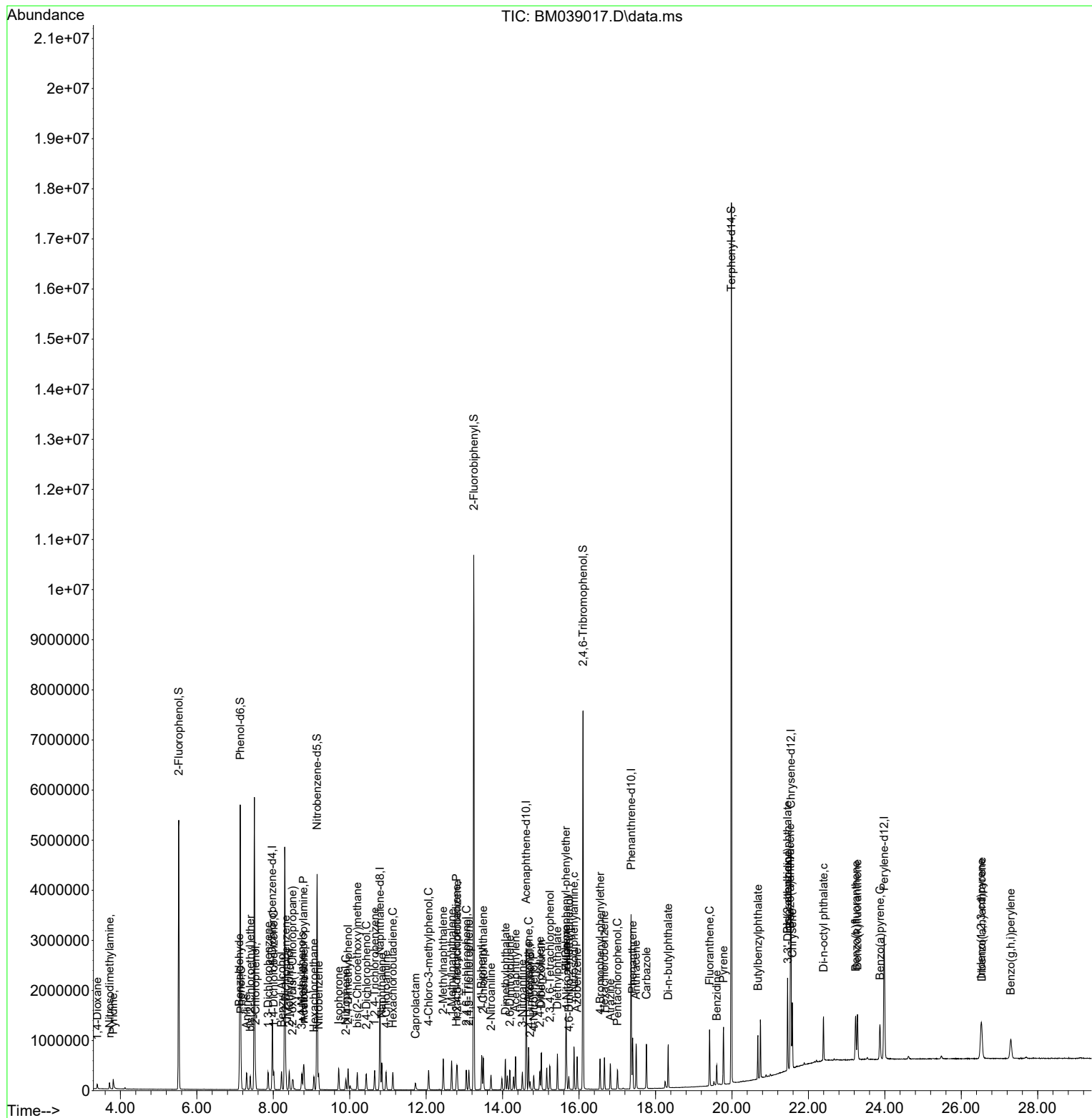
Instrument :
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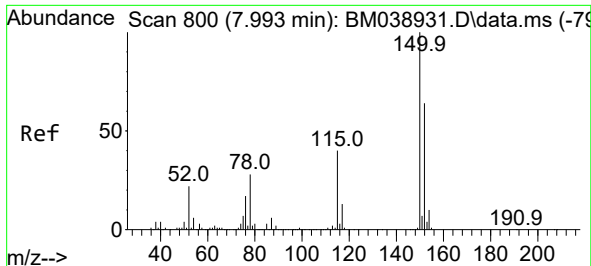
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.451	154	332697	4.353	ng	99
47) 2-Chloronaphthalene	13.492	162	287636	4.990	ng	98
48) 2-Nitroaniline	13.698	65	75646	4.570	ng	96
49) Acenaphthylene	14.339	152	438721	4.779	ng	99
50) Dimethylphthalate	14.074	163	368440	5.307	ng	99
51) 2,6-Dinitrotoluene	14.192	165	66408	4.704	ng	91
52) Acenaphthene	14.680	154	282295	5.003	ng	98
53) 3-Nitroaniline	14.515	138	73992	4.522	ng	98
54) 2,4-Dinitrophenol	14.721	184	26083	3.429	ng	97
55) Dibenzofuran	15.015	168	452526	5.125	ng	99
56) 4-Nitrophenol	14.815	139	61348	4.449	ng	94
57) 2,4-Dinitrotoluene	14.974	165	81888	4.530	ng	89
58) Fluorene	15.662	166	356913	5.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.239	232	82103	4.788	ng	97
60) Diethylphthalate	15.433	149	359779	5.326	ng	99
61) 4-Chlorophenyl-phenyle...	15.657	204	170753	5.025	ng	96
62) 4-Nitroaniline	15.674	138	70845	4.338	ng	94
63) Azobenzene	15.951	77	364368	5.097	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	38502	3.345	ng	89
66) n-Nitrosodiphenylamine	15.868	169	297057	4.583	ng	98
67) 4-Bromophenyl-phenylether	16.551	248	94866	4.568	ng	95
68) Hexachlorobenzene	16.662	284	117169	5.047	ng	95
69) Atrazine	16.821	200	75545	4.267	ng	98
70) Pentachlorophenol	17.004	266	58060	3.400	ng	99
71) Phenanthrene	17.404	178	566928	5.024	ng	100
72) Anthracene	17.492	178	538808	4.788	ng	100
73) Carbazole	17.762	167	506267	4.929	ng	98
74) Di-n-butylphthalate	18.333	149	569264	4.990	ng	99
75) Fluoranthene	19.415	202	595922	5.002	ng	98
77) Benzidine	19.603	184	212432	5.612	ng	100
78) Pyrene	19.780	202	635684	4.660	ng	99
80) Butylbenzylphthalate	20.680	149	233706	4.613	ng	98
81) Benzo(a)anthracene	21.527	228	636079	4.863	ng	99
82) 3,3'-Dichlorobenzidine	21.462	252	171430	4.265	ng	99
83) Chrysene	21.580	228	614378	4.830	ng	100
84) Bis(2-ethylhexyl)phtha...	21.456	149	350614	4.716	ng	99
85) Di-n-octyl phthalate	22.397	149	543816	4.235	ng	96
87) Indeno(1,2,3-cd)pyrene	26.521	276	598375	4.298	ng	98
88) Benzo(b)fluoranthene	23.238	252	597709	5.114	ng	99
89) Benzo(k)fluoranthene	23.285	252	590283	4.853	ng	99
90) Benzo(a)pyrene	23.874	252	482923	4.293	ng	99
91) Dibenzo(a,h)anthracene	26.538	278	504909	4.283	ng	98
92) Benzo(g,h,i)perylene	27.297	276	473575	4.106	ng	99

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

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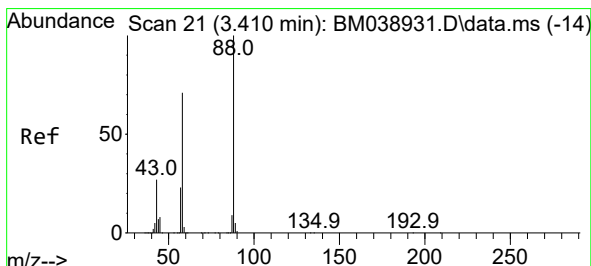
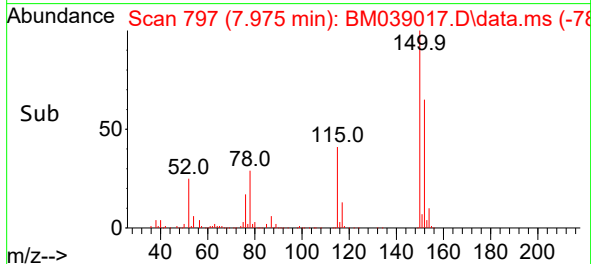
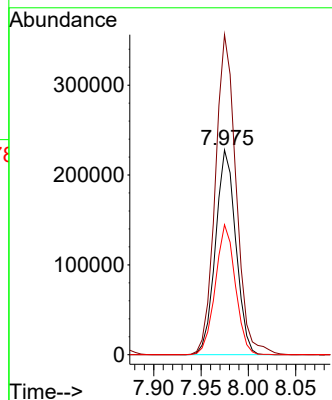
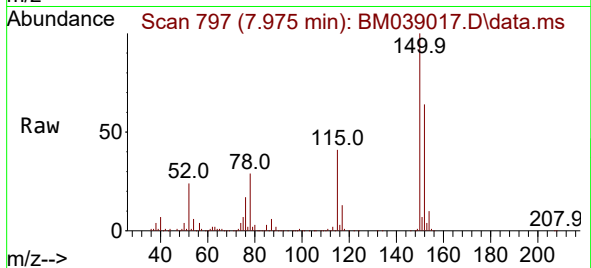




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

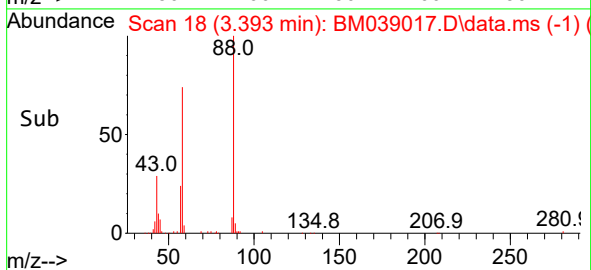
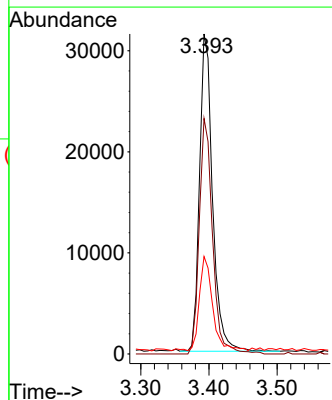
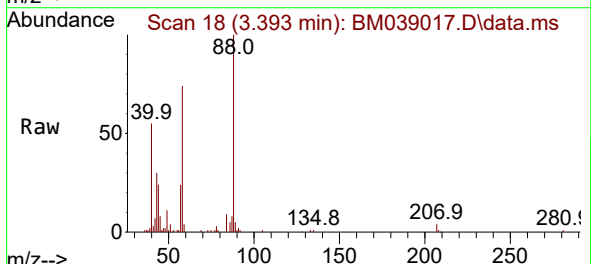
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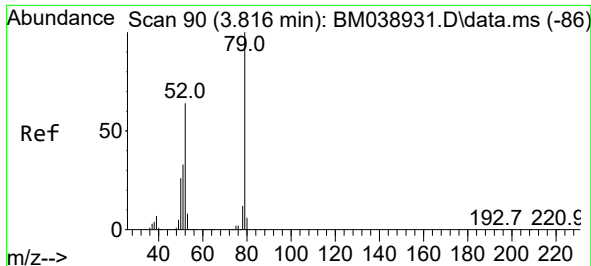
Tgt Ion:152 Resp: 339995
Ion Ratio Lower Upper
152 100
150 156.3 125.1 187.7
115 63.5 49.6 74.4



#2
1,4-Dioxane
Concen: 4.182 ng
RT: 3.393 min Scan# 18
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 88 Resp: 41637
Ion Ratio Lower Upper
88 100
58 75.9 57.2 85.8
43 30.1 22.0 33.0

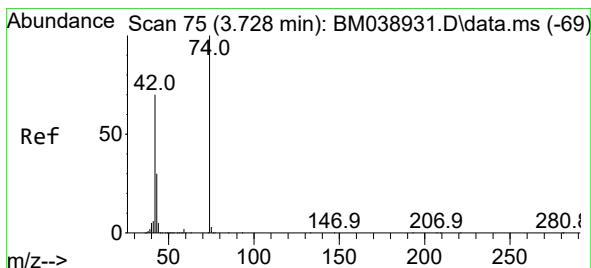
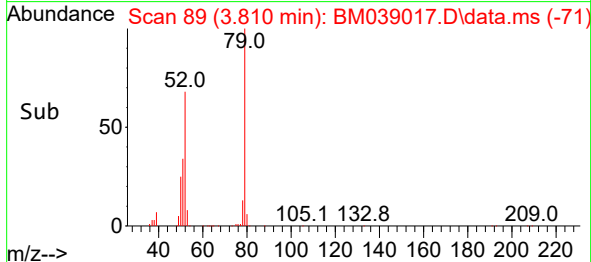
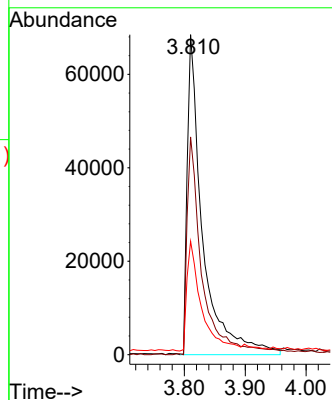
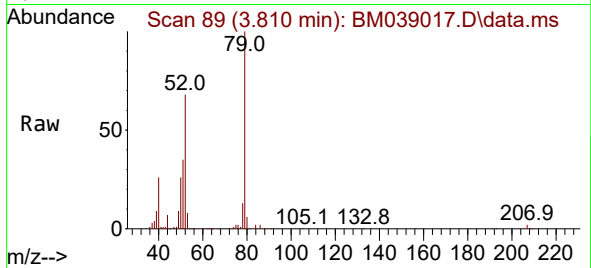




#3
Pyridine
Concen: 4.358 ng
RT: 3.810 min Scan# 89
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

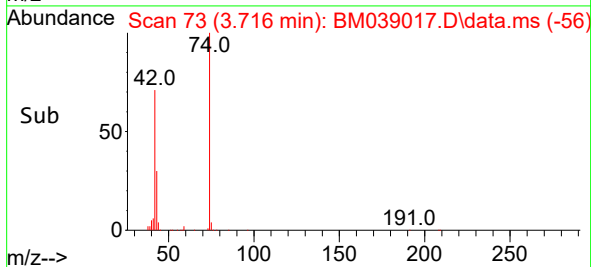
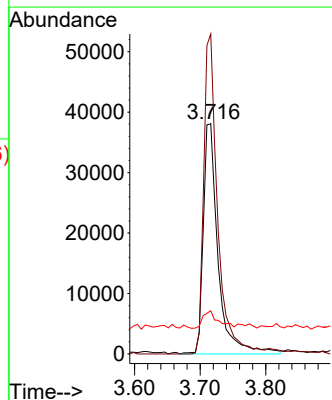
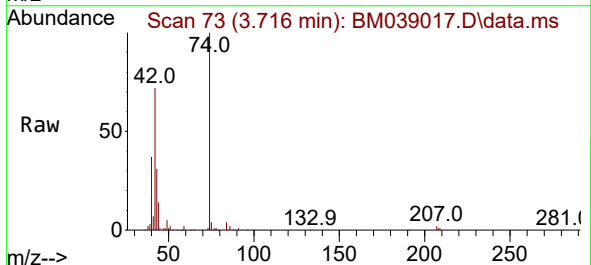
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ClientSampleId :
LOQ-SOIL-02-QT1-2023

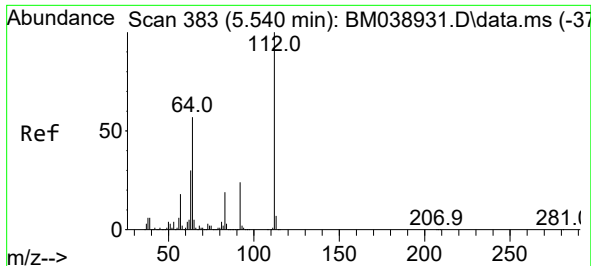
Tgt Ion: 79 Resp: 120319
Ion Ratio Lower Upper
79 100
52 68.1 51.4 77.2
51 35.5 26.6 40.0



#4
n-Nitrosodimethylamine
Concen: 5.324 ng
RT: 3.716 min Scan# 73
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 42 Resp: 59823
Ion Ratio Lower Upper
42 100
74 139.0 113.8 170.8
44 18.8 6.2 9.2

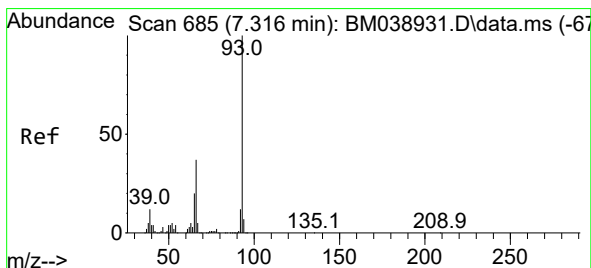
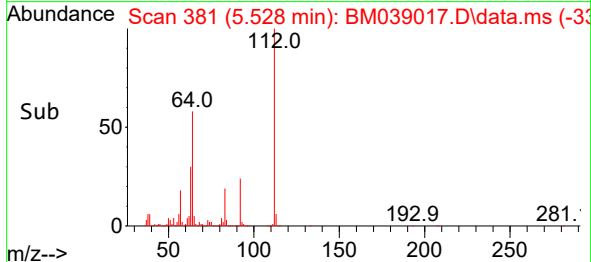
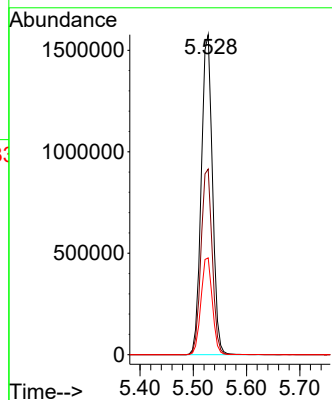
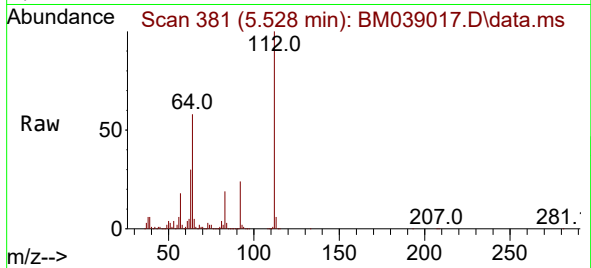




#5
2-Fluorophenol
Concen: 102.444 ng
RT: 5.528 min Scan# 381
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

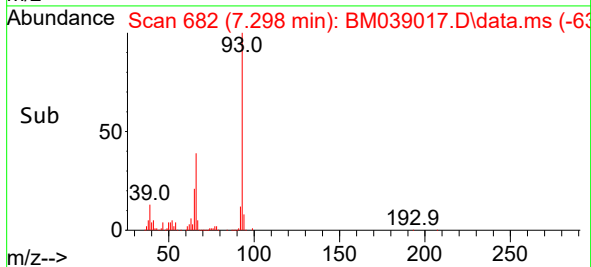
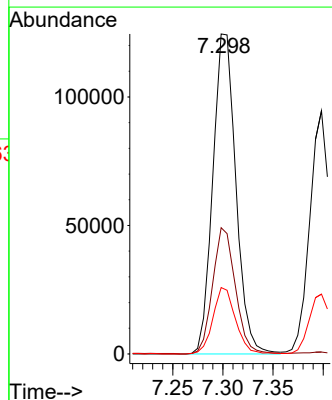
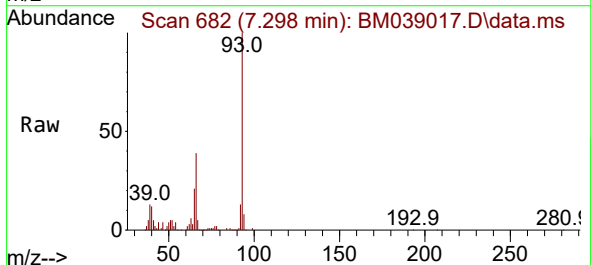
Instrument :
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ClientSampleId :
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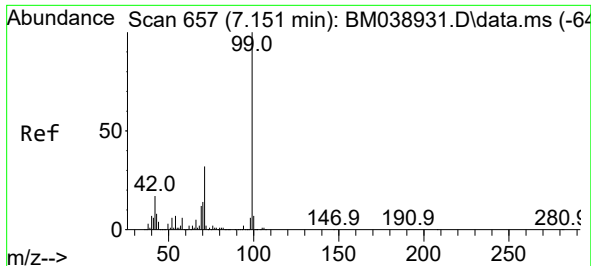
Tgt Ion:112 Resp: 2292557
Ion Ratio Lower Upper
112 100
64 58.0 45.9 68.9
63 30.2 23.8 35.8



#6
Aniline
Concen: 5.215 ng
RT: 7.298 min Scan# 682
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 93 Resp: 199048
Ion Ratio Lower Upper
93 100
66 39.5 30.0 45.0
65 20.8 15.8 23.6

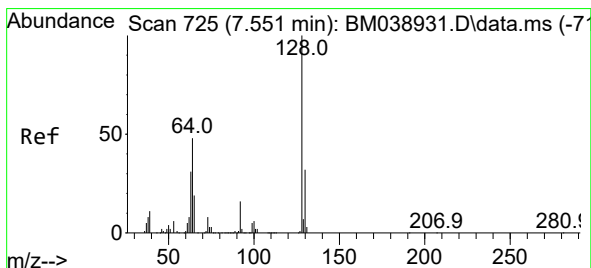
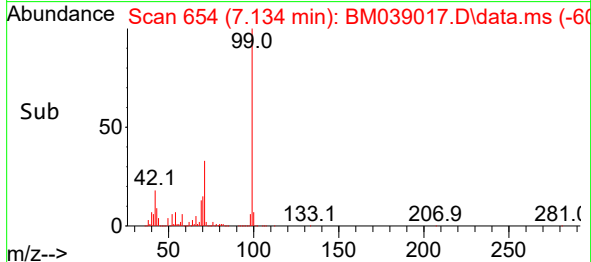
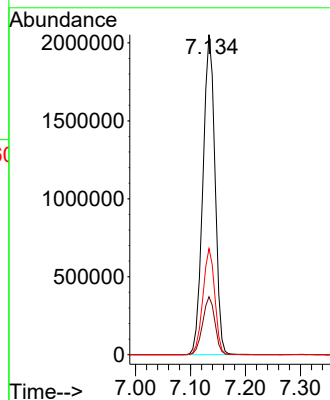
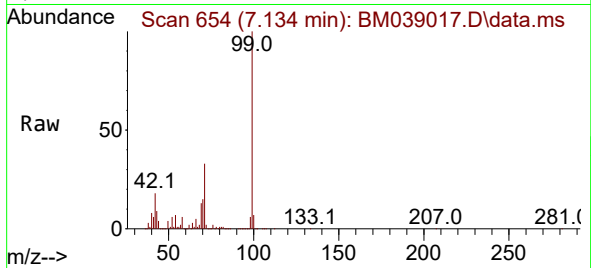




#7
Phenol-d6
Concen: 107.865 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

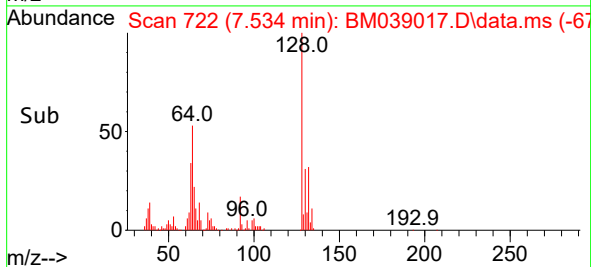
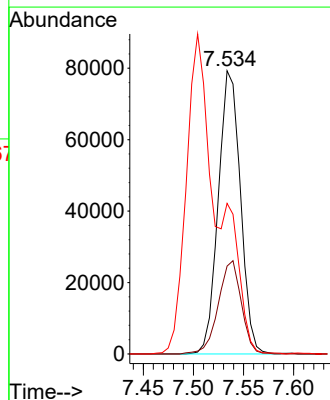
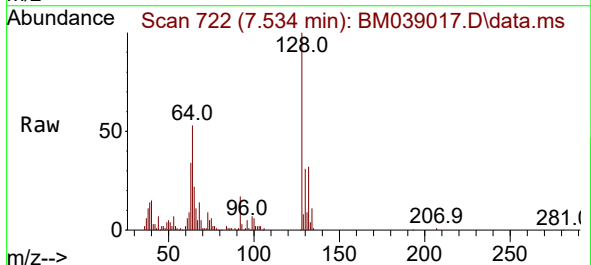
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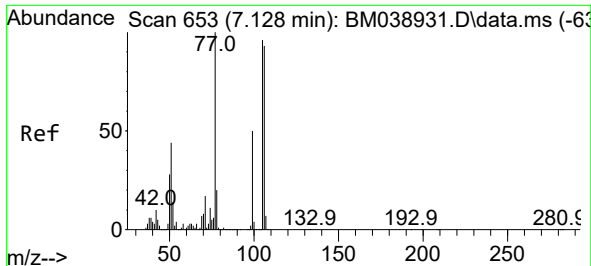
Tgt Ion: 99 Resp: 3135380
Ion Ratio Lower Upper
99 100
42 18.1 13.5 20.3
71 33.2 25.6 38.4



#8
2-Chlorophenol
Concen: 5.112 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 128 Resp: 121793
Ion Ratio Lower Upper
128 100
130 31.0 11.9 51.9
64 53.2 28.6 68.6

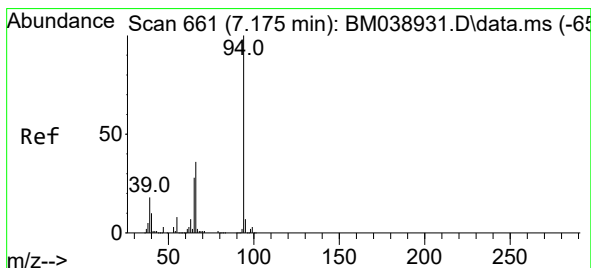
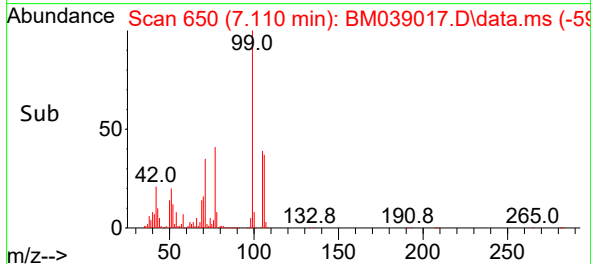
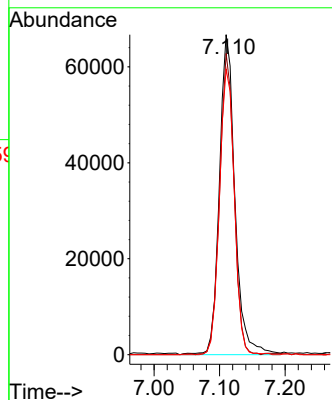
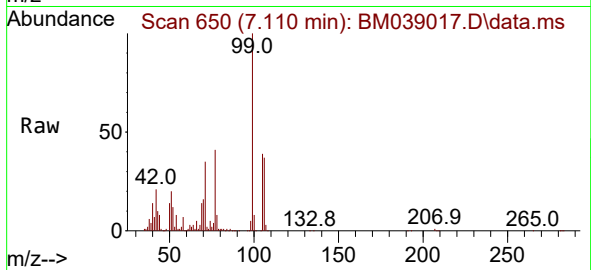




#9
Benzaldehyde
Concen: 7.917 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

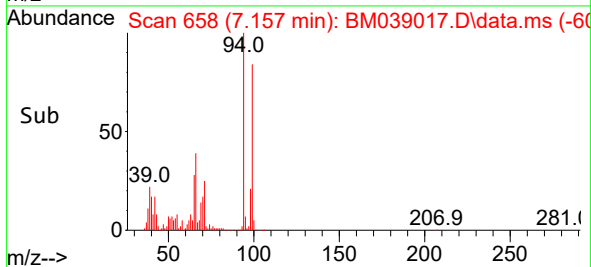
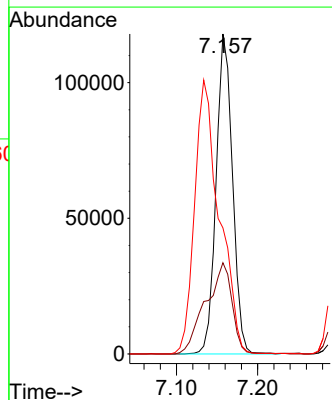
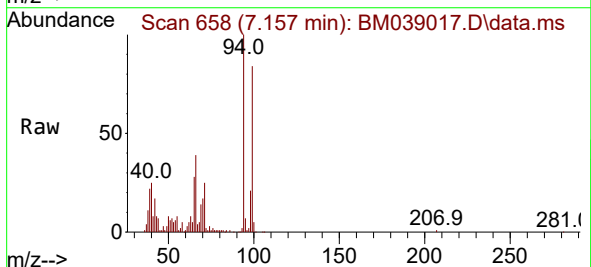
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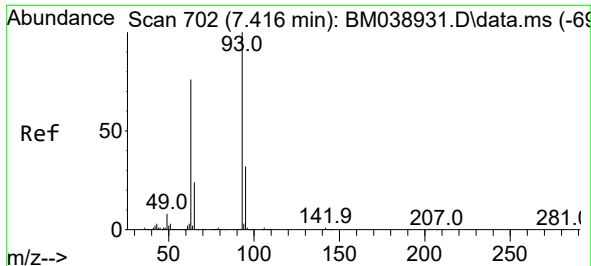
Tgt Ion: 77 Resp: 109507
Ion Ratio Lower Upper
77 100
105 94.1 75.8 115.8
106 89.2 72.6 112.6



#10
Phenol
Concen: 5.362 ng
RT: 7.157 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 94 Resp: 165517
Ion Ratio Lower Upper
94 100
65 28.5 7.9 47.9
66 39.4 15.8 55.8

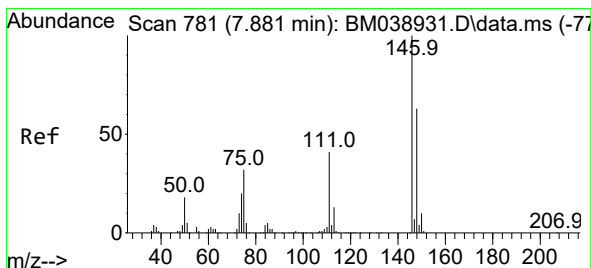
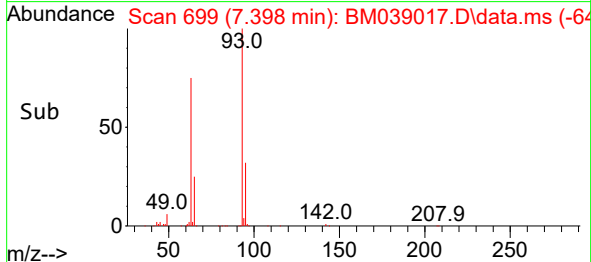
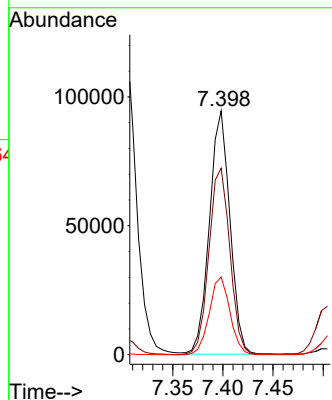
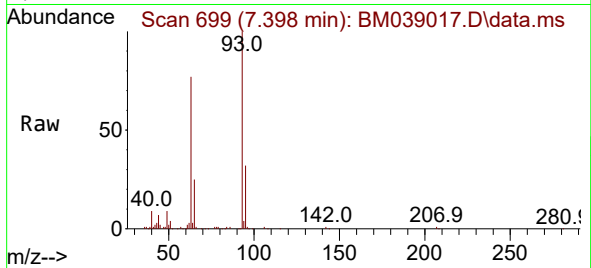




#11
bis(2-Chloroethyl)ether
Concen: 5.356 ng
RT: 7.398 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

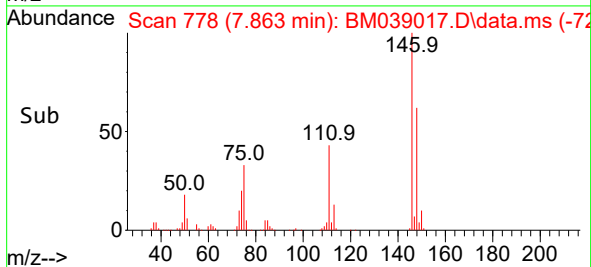
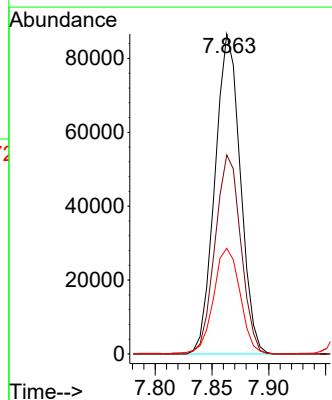
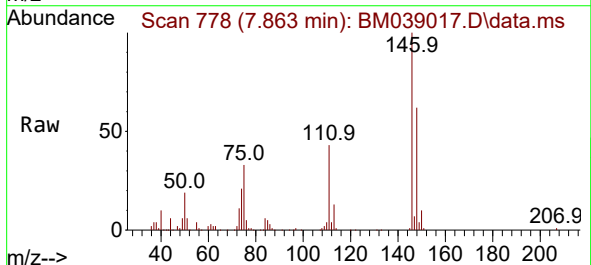
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

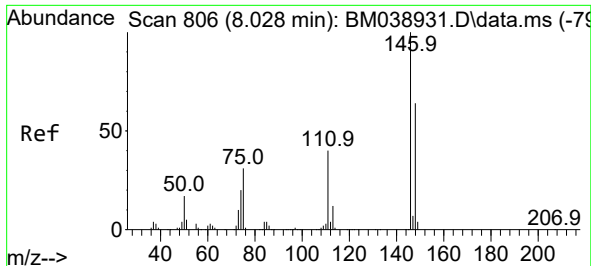
Tgt Ion: 93 Resp: 134424
Ion Ratio Lower Upper
93 100
63 76.5 55.8 95.8
95 31.9 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 5.324 ng
RT: 7.863 min Scan# 778
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 146 Resp: 134800
Ion Ratio Lower Upper
146 100
148 62.2 50.6 75.8
75 33.0 26.0 39.0

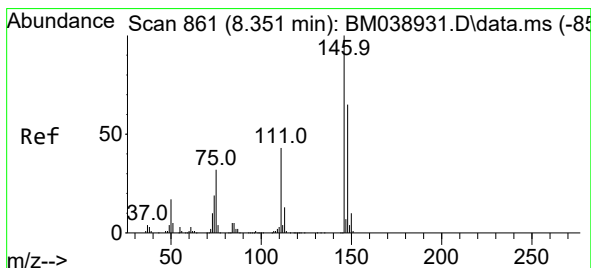
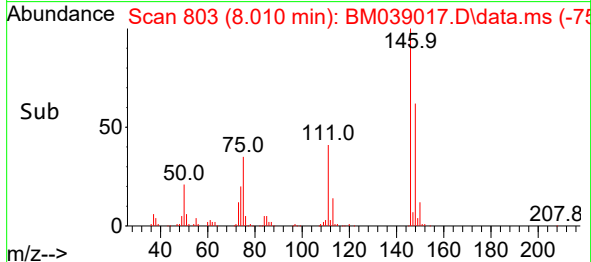
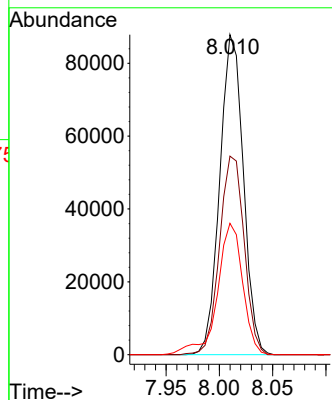
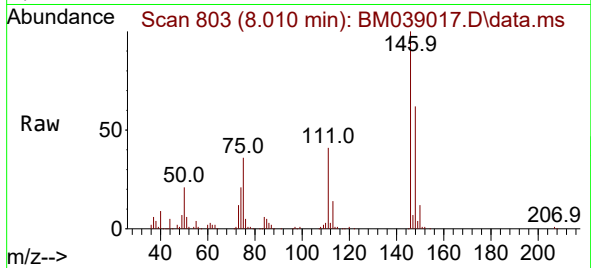




#13
1,4-Dichlorobenzene
Concen: 5.248 ng
RT: 8.010 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

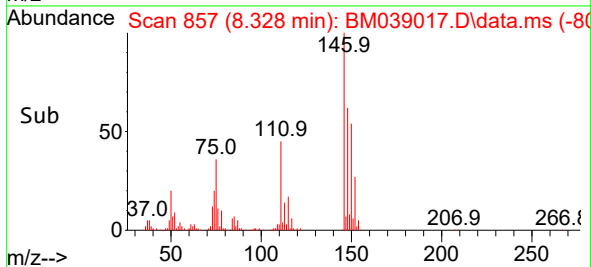
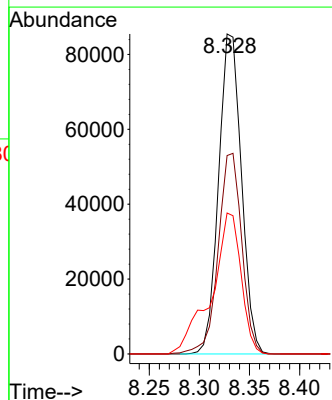
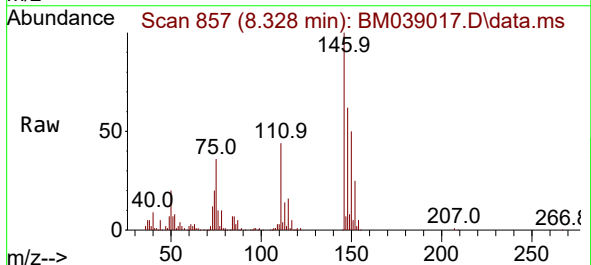
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

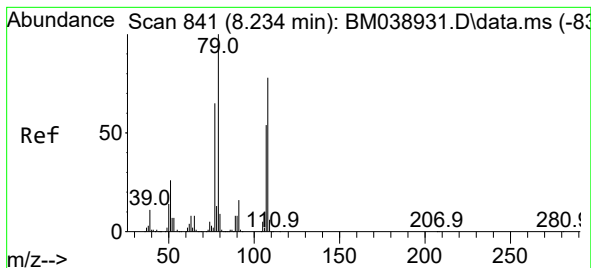
Tgt Ion:146 Resp: 135143
Ion Ratio Lower Upper
146 100
148 62.1 51.0 76.4
111 41.1 32.2 48.4



#14
1,2-Dichlorobenzene
Concen: 5.448 ng
RT: 8.328 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:146 Resp: 135126
Ion Ratio Lower Upper
146 100
148 62.0 51.7 77.5
111 44.1 34.2 51.4





#15

Benzyl Alcohol

Concen: 5.478 ng

RT: 8.216 min Scan# 81

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

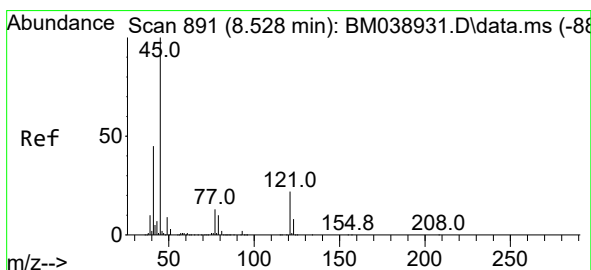
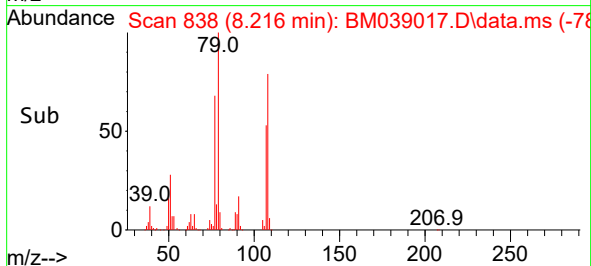
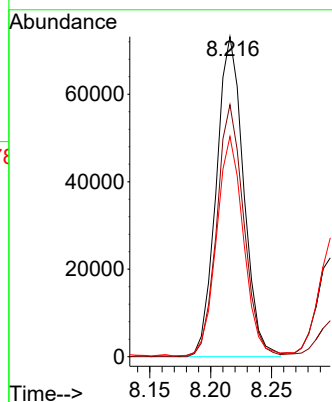
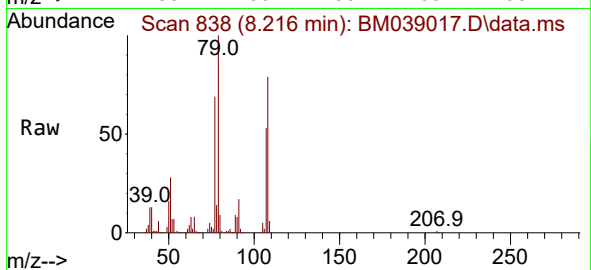
Tgt Ion: 79 Resp: 114136

Ion Ratio Lower Upper

79 100

108 78.7 62.4 93.6

77 68.8 52.2 78.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.013 ng

RT: 8.504 min Scan# 887

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

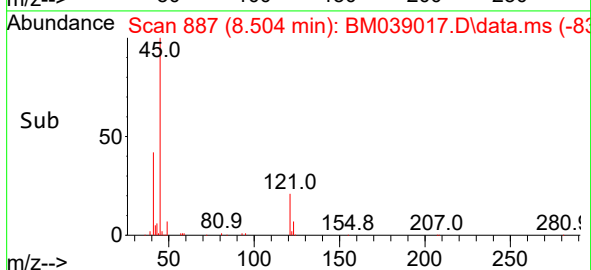
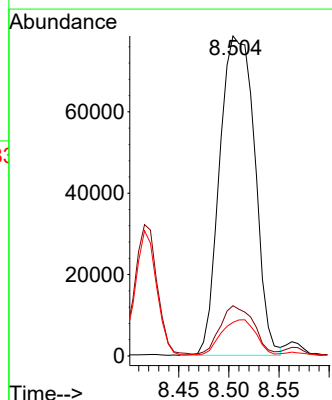
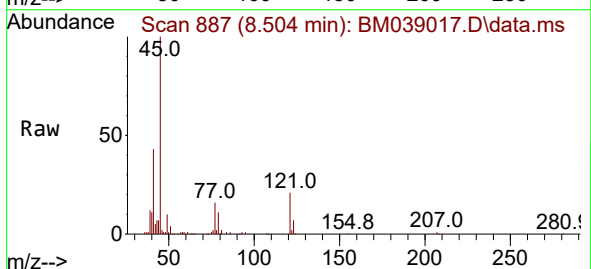
Tgt Ion: 45 Resp: 190586

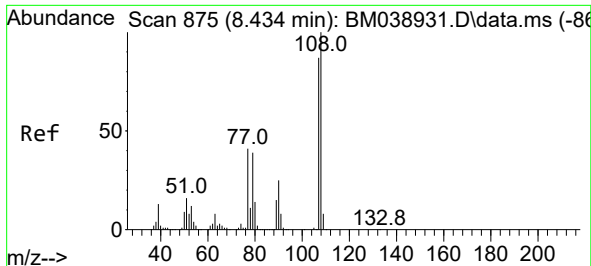
Ion Ratio Lower Upper

45 100

77 15.7 0.0 34.8

79 10.5 0.0 31.5

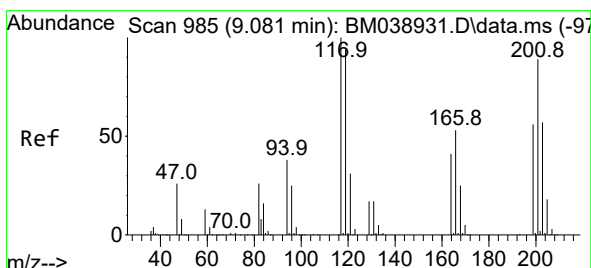
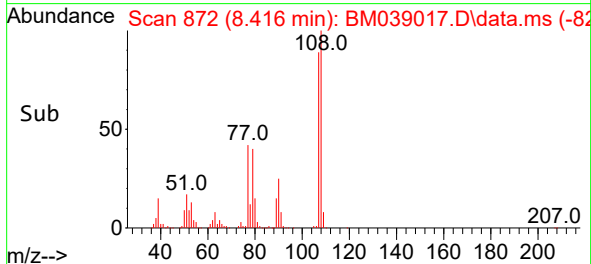
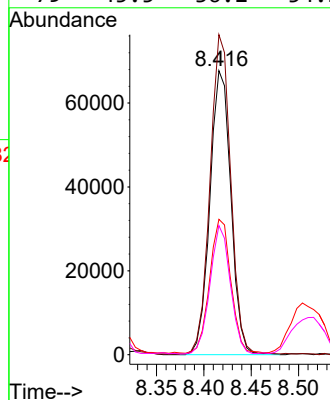
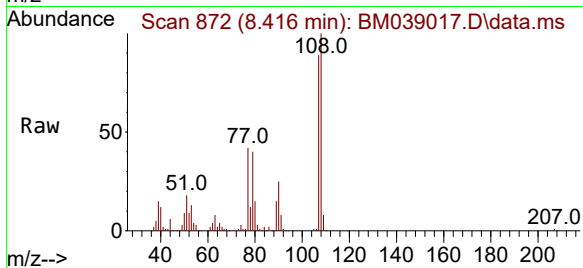




#17
2-Methylphenol
Concen: 4.922 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

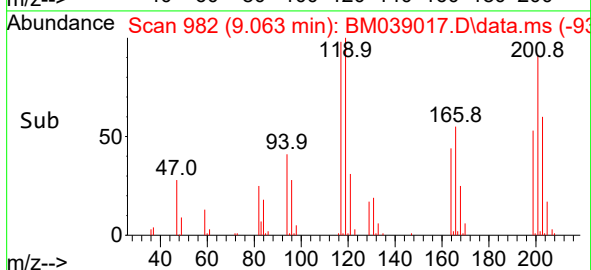
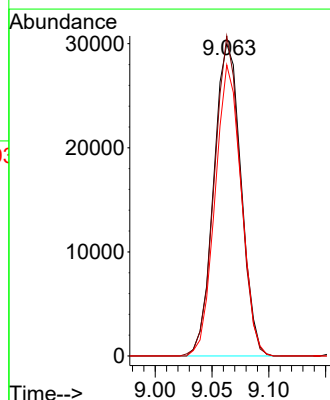
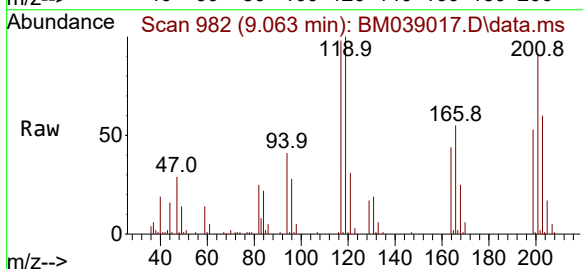
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

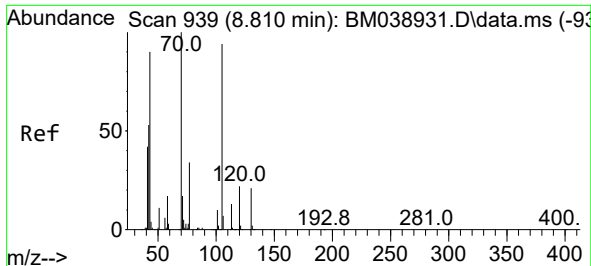
Tgt Ion:	107	Resp:	104375
Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.7	137.5
77	47.7	37.4	56.2
79	45.5	36.2	54.2



#18
Hexachloroethane
Concen: 5.290 ng
RT: 9.063 min Scan# 982
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:	117	Resp:	50258
Ion	Ratio	Lower	Upper
117	100		
119	102.5	75.4	113.0
201	93.3	71.3	106.9

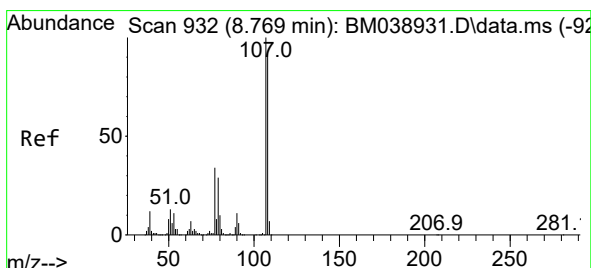
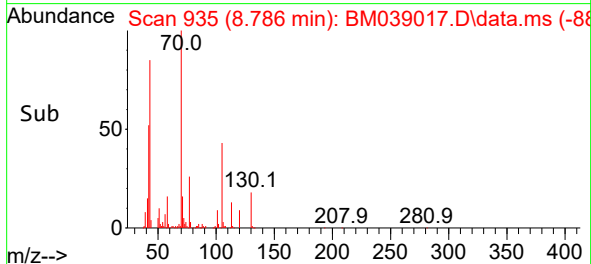
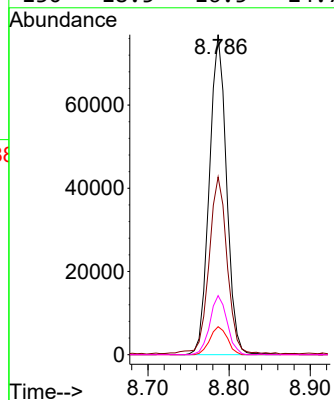
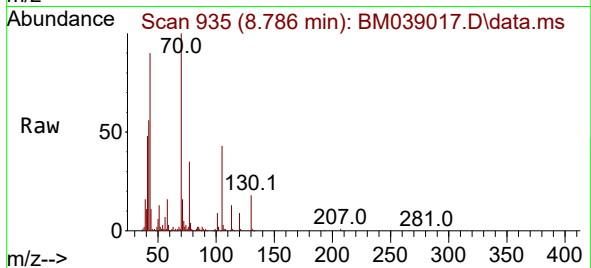




#19
n-Nitroso-di-n-propylamine
Concen: 6.175 ng
RT: 8.786 min Scan# 911
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

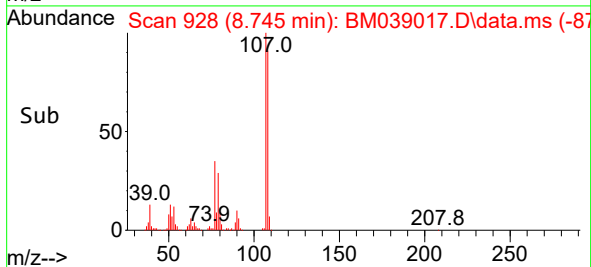
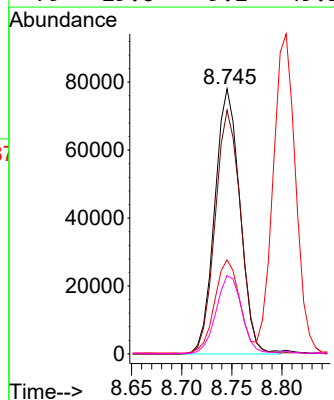
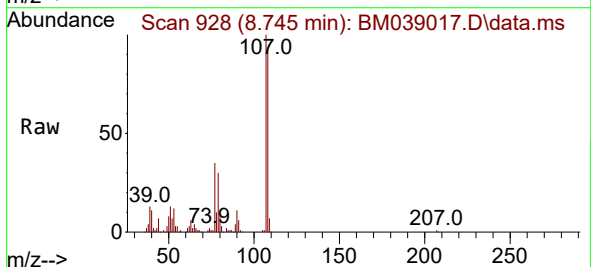
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

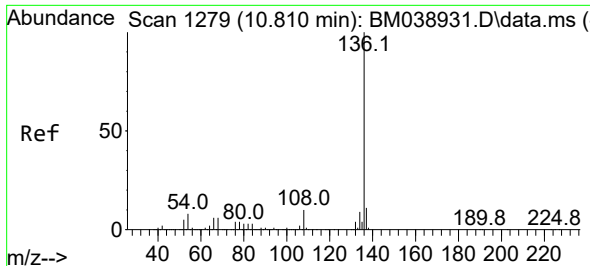
Tgt Ion: 70 Resp: 113060
Ion Ratio Lower Upper
70 100
42 55.5 43.4 65.2
101 8.8 7.6 11.4
130 18.5 16.5 24.7



#20
3+4-Methylphenols
Concen: 4.822 ng
RT: 8.745 min Scan# 928
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 107 Resp: 136535
Ion Ratio Lower Upper
107 100
108 91.9 71.8 111.8
77 35.5 13.6 53.6
79 29.6 9.2 49.2

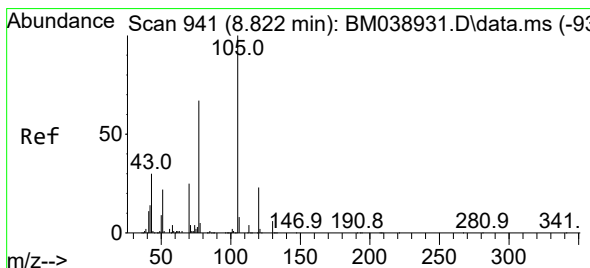
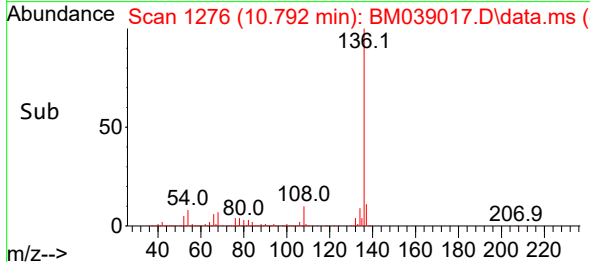
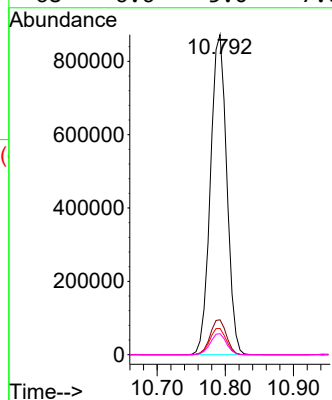
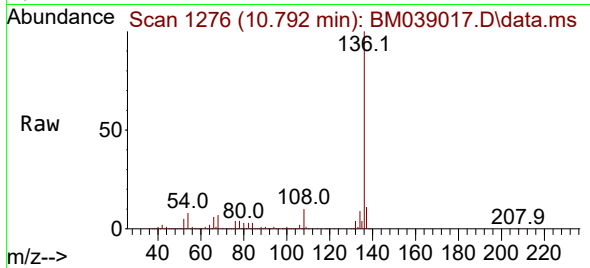




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

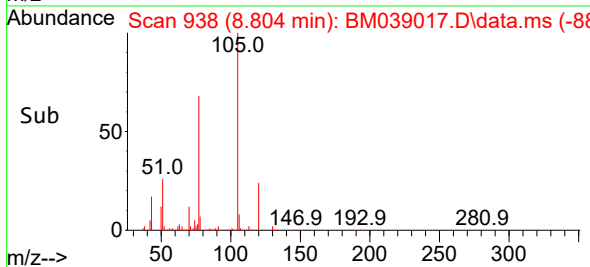
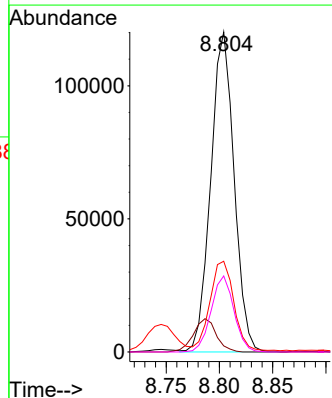
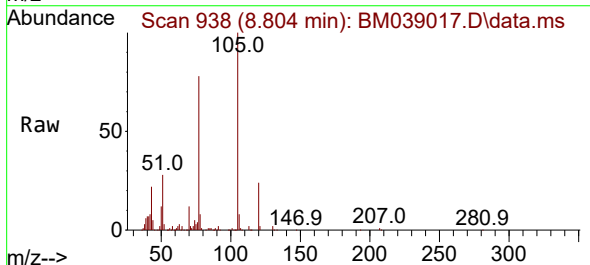
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

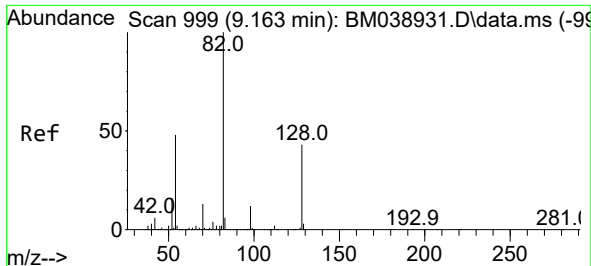
Tgt Ion:136 Resp: 1453594
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 6.3 9.5
68 6.6 5.0 7.6



#22
Acetophenone
Concen: 4.495 ng
RT: 8.804 min Scan# 938
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:105 Resp: 183300
Ion Ratio Lower Upper
105 100
71 1.9 3.4 5.0#
51 28.3 21.0 31.4
120 23.7 18.1 27.1

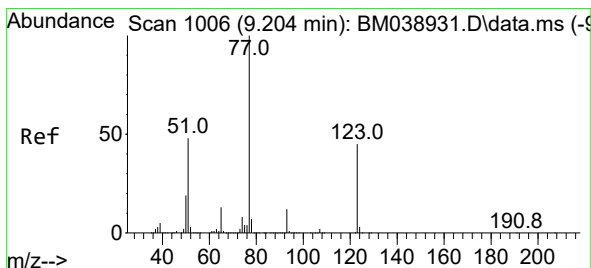
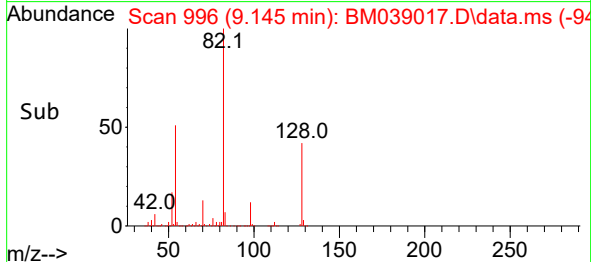
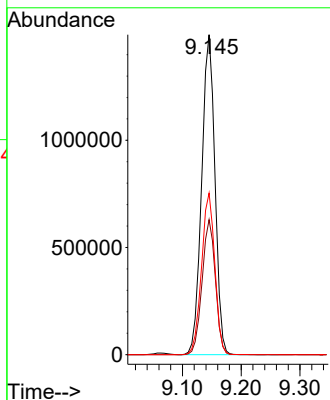
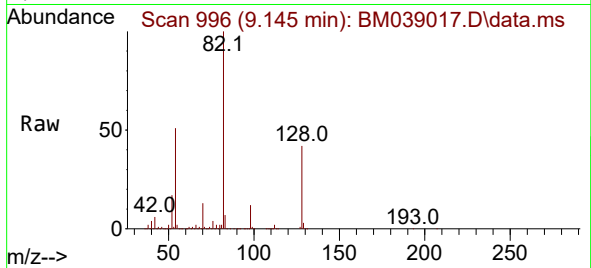




#23
Nitrobenzene-d5
Concen: 79.467 ng
RT: 9.145 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

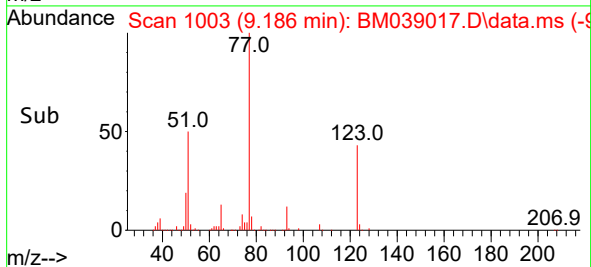
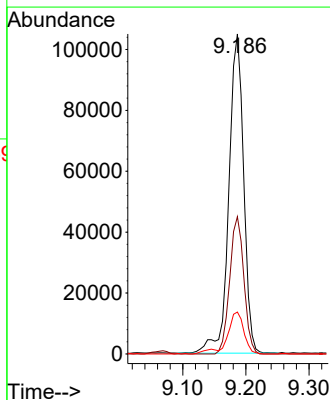
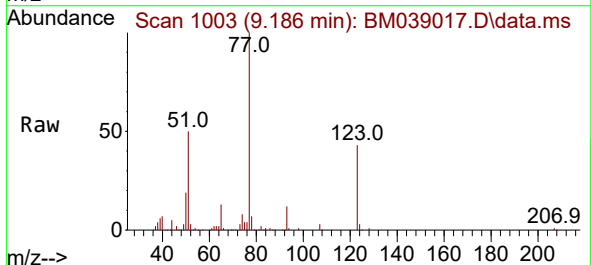
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

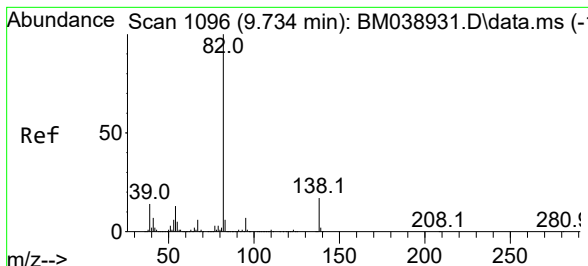
Tgt Ion: 82 Resp: 2351594
Ion Ratio Lower Upper
82 100
128 42.2 34.4 51.6
54 50.5 38.8 58.2



#24
Nitrobenzene
Concen: 5.499 ng
RT: 9.186 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 77 Resp: 171024
Ion Ratio Lower Upper
77 100
123 42.9 35.8 53.6
65 13.1 10.2 15.4





#25

Isophorone

Concen: 5.436 ng

RT: 9.710 min Scan# 1102

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

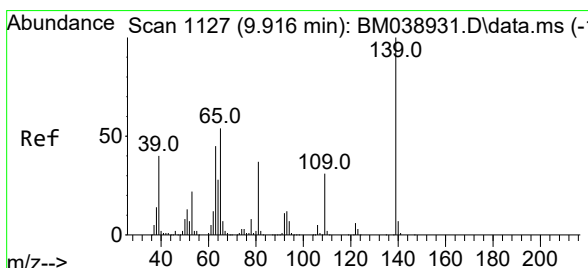
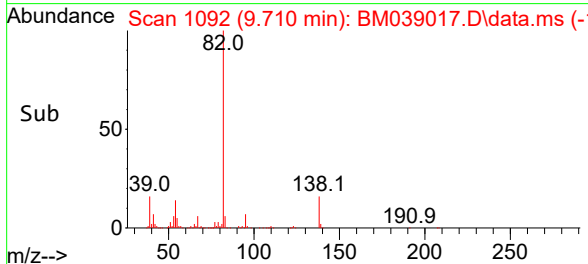
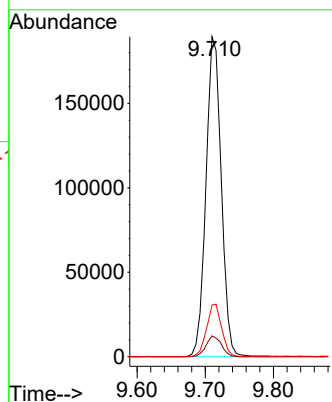
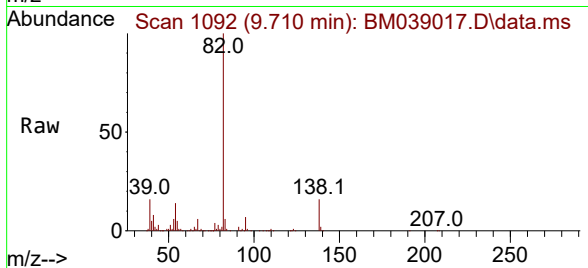
Tgt Ion: 82 Resp: 296024

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 16.1 13.6 20.4



#26

2-Nitrophenol

Concen: 4.539 ng

RT: 9.898 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

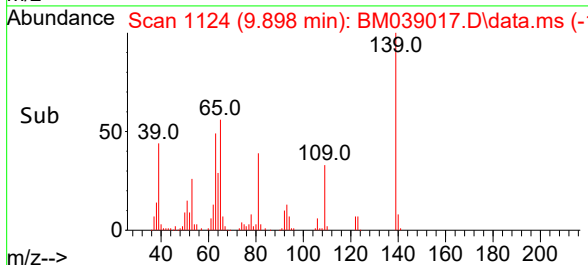
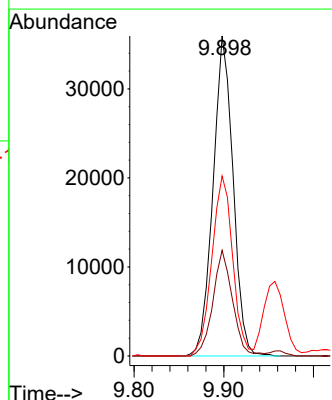
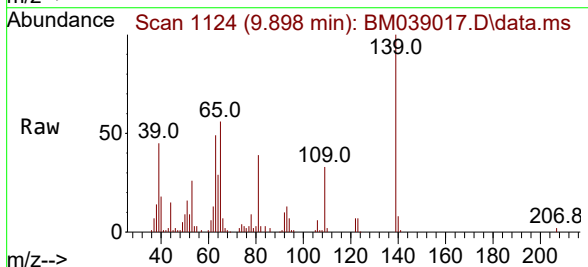
Tgt Ion: 139 Resp: 55796

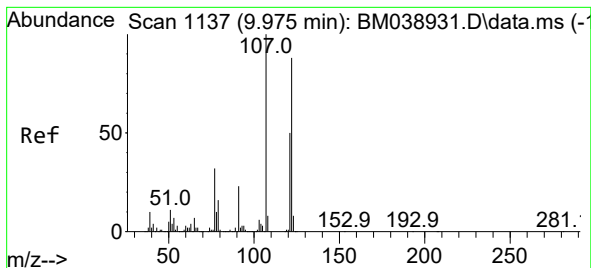
Ion Ratio Lower Upper

139 100

109 33.0 24.5 36.7

65 56.2 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 4.969 ng

RT: 9.957 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

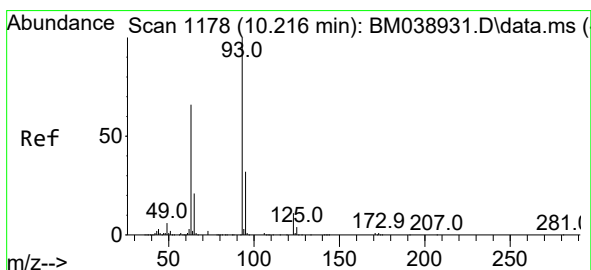
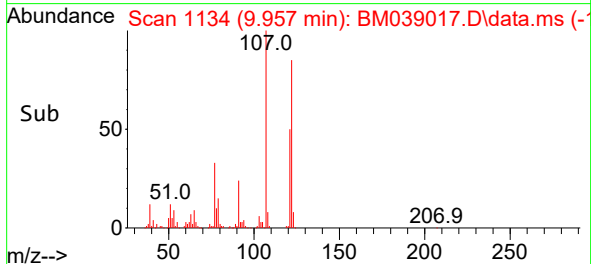
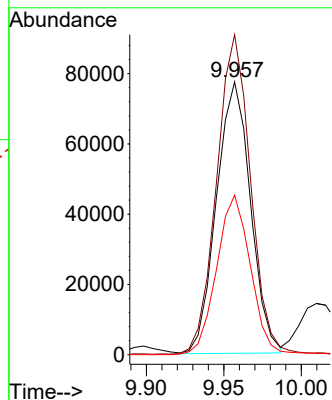
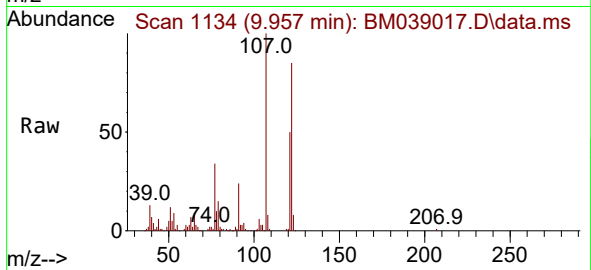
Tgt Ion:122 Resp: 117909

Ion Ratio Lower Upper

122 100

107 117.3 91.0 136.4

121 58.5 45.1 67.7



#28

bis(2-Chloroethoxy)methane

Concen: 5.410 ng

RT: 10.198 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

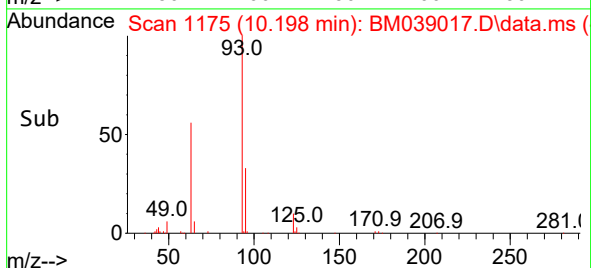
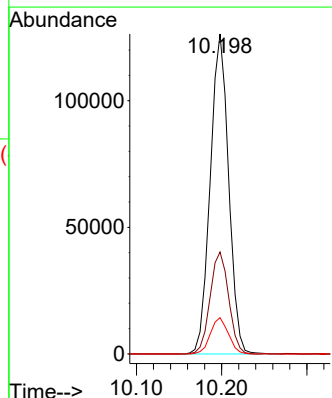
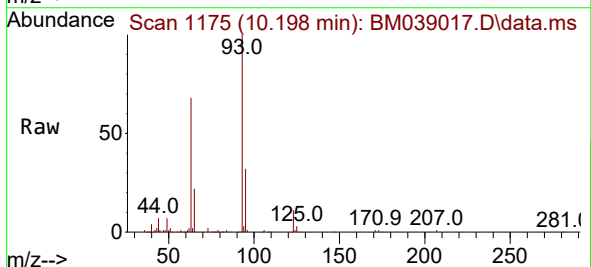
Tgt Ion: 93 Resp: 189304

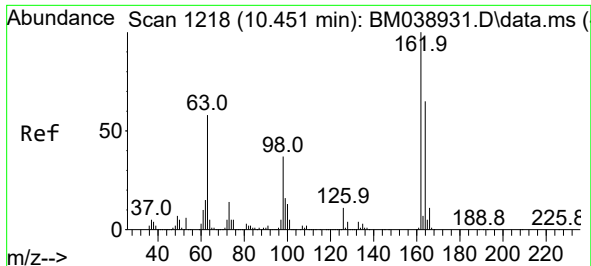
Ion Ratio Lower Upper

93 100

95 31.9 25.9 38.9

123 11.3 8.8 13.2

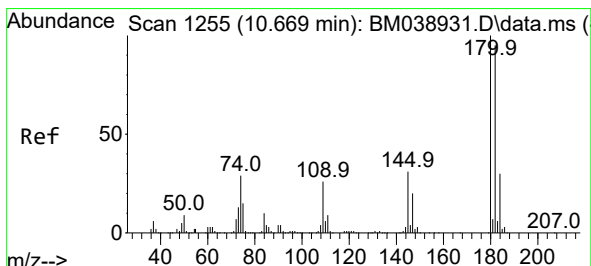
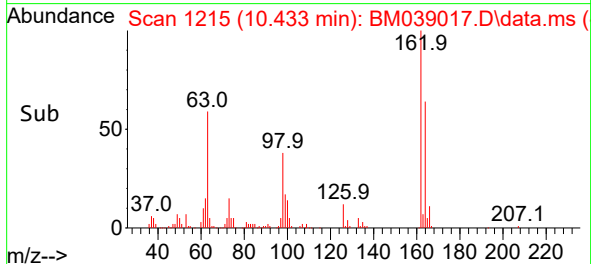
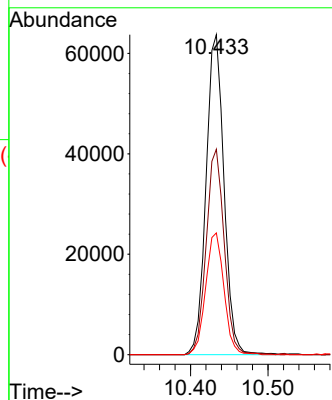
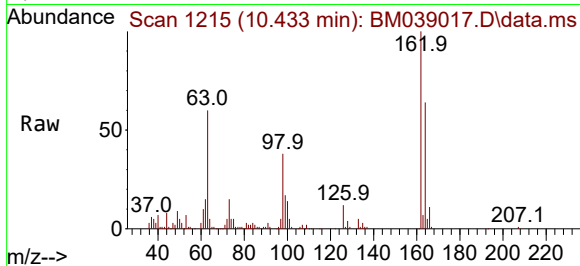




#29
2,4-Dichlorophenol
Concen: 4.553 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

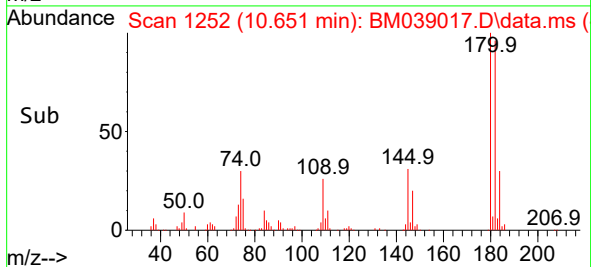
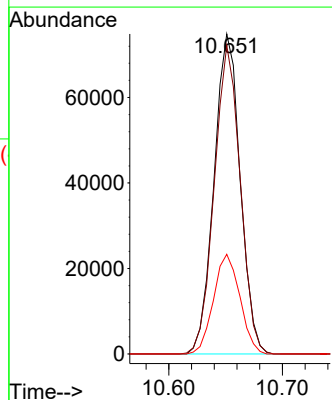
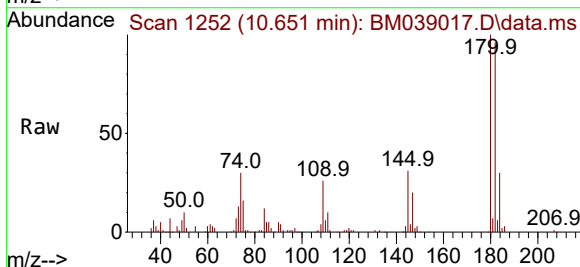
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

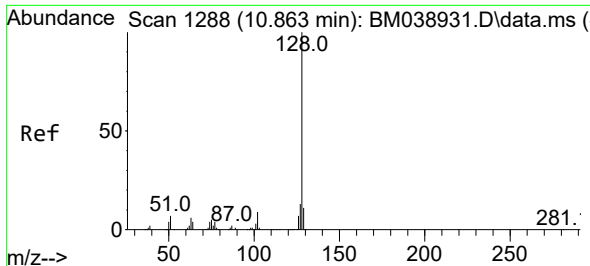
Tgt Ion:162 Resp: 102417
Ion Ratio Lower Upper
162 100
164 64.2 44.6 84.6
98 38.1 17.5 57.5



#30
1,2,4-Trichlorobenzene
Concen: 4.868 ng
RT: 10.651 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:180 Resp: 119669
Ion Ratio Lower Upper
180 100
182 96.4 76.3 114.5
145 31.1 25.0 37.4

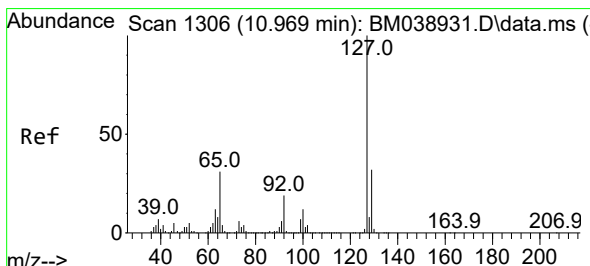
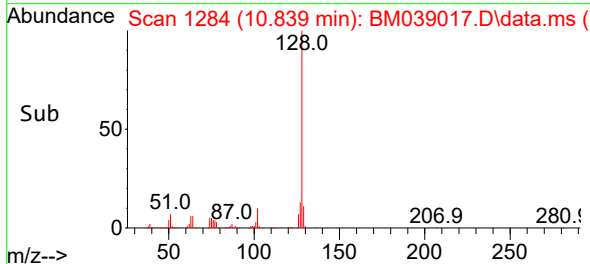
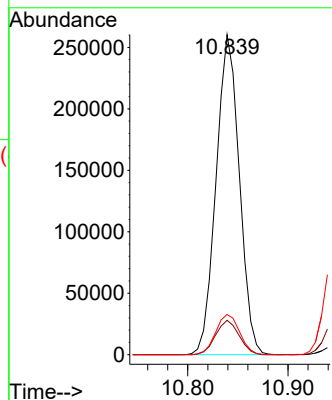
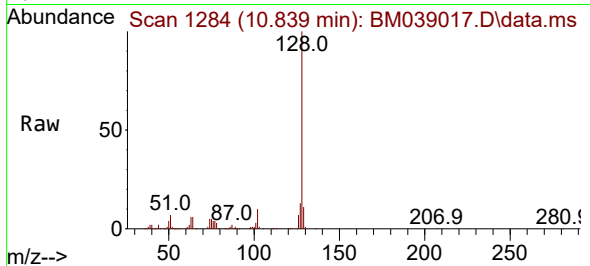




#31
Naphthalene
Concen: 5.046 ng
RT: 10.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

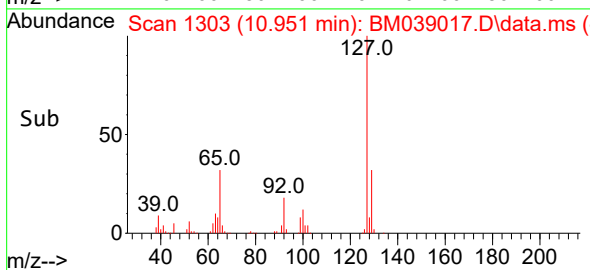
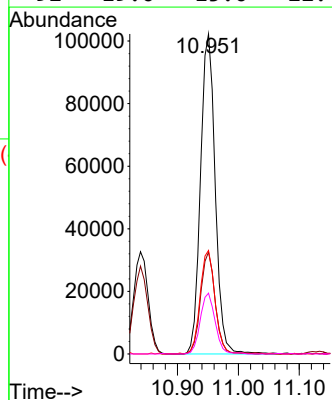
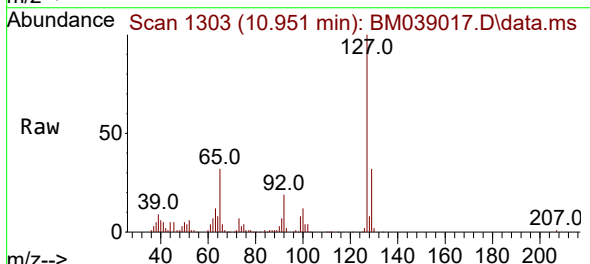
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

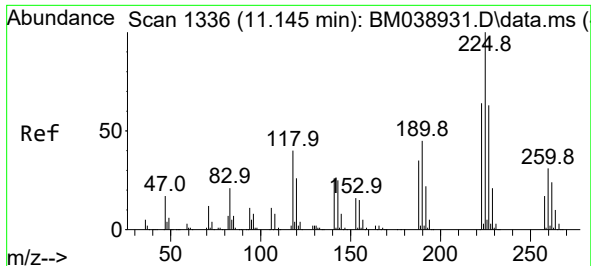
Tgt Ion:128 Resp: 418277
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.5 10.2 15.4



#33
4-Chloroaniline
Concen: 4.849 ng
RT: 10.951 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:127 Resp: 171276
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 32.4 24.4 36.6
92 19.0 15.0 22.4

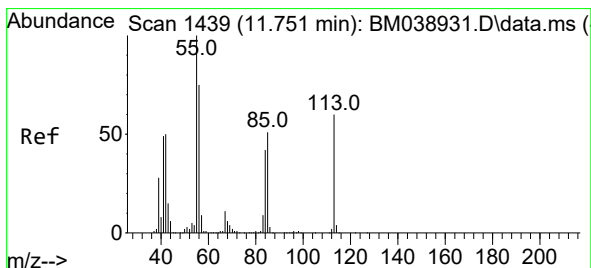
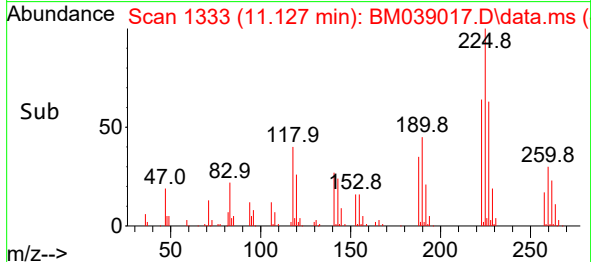
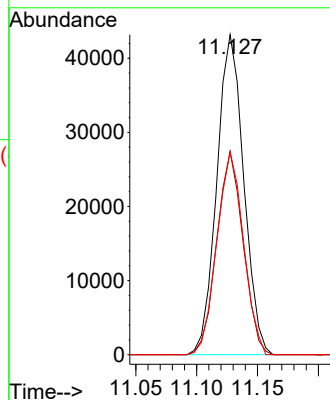
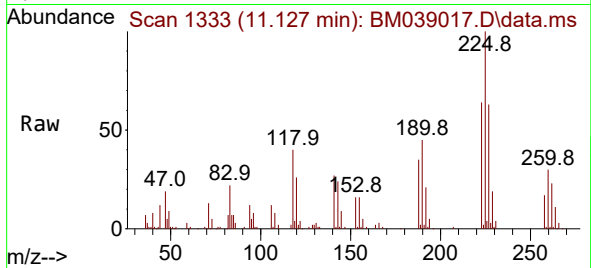




#34
Hexachlorobutadiene
Concen: 4.708 ng
RT: 11.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

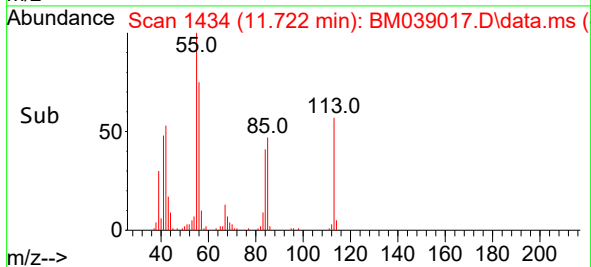
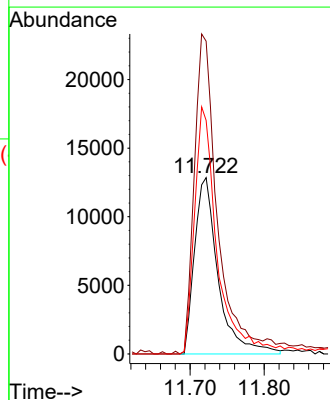
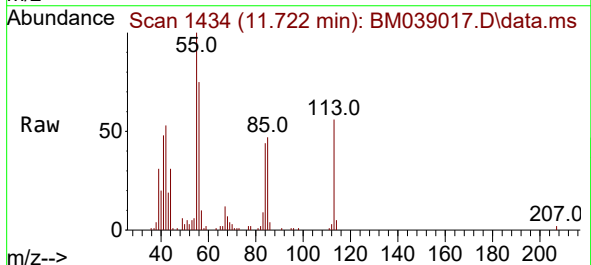
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

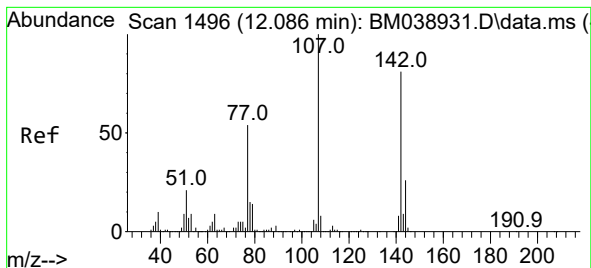
Tgt Ion:225 Resp: 66376
Ion Ratio Lower Upper
225 100
223 61.1 51.3 76.9
227 61.0 50.6 76.0



#35
Caprolactam
Concen: 4.158 ng
RT: 11.722 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:113 Resp: 28469
Ion Ratio Lower Upper
113 100
55 177.4 147.0 187.0
56 132.5 105.1 145.1

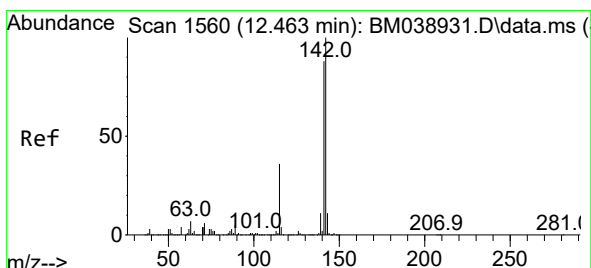
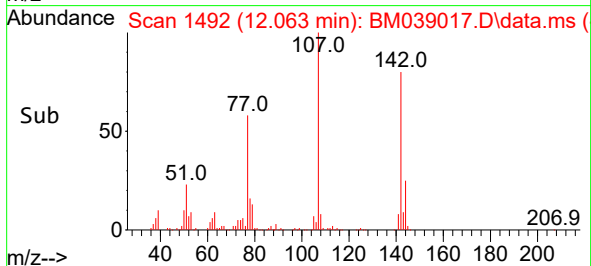
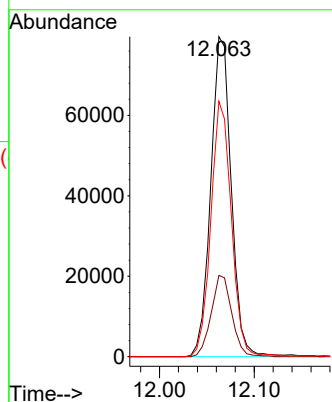
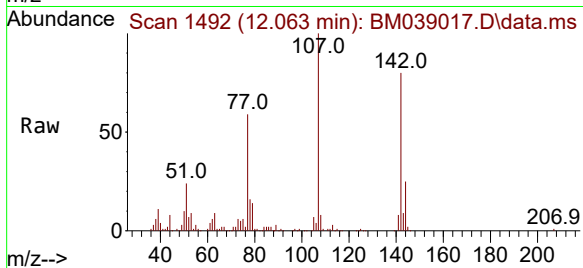




#36
4-Chloro-3-methylphenol
Concen: 4.982 ng
RT: 12.063 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

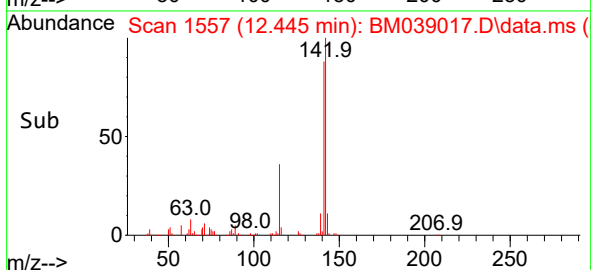
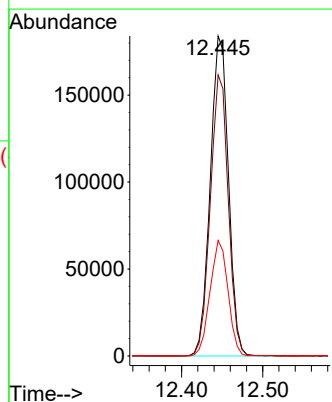
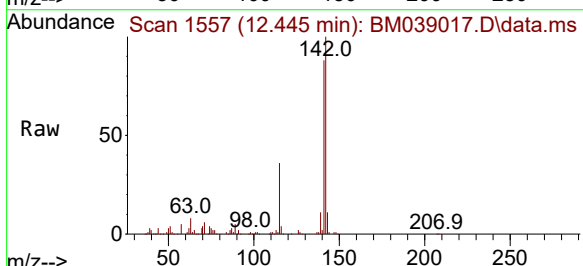
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

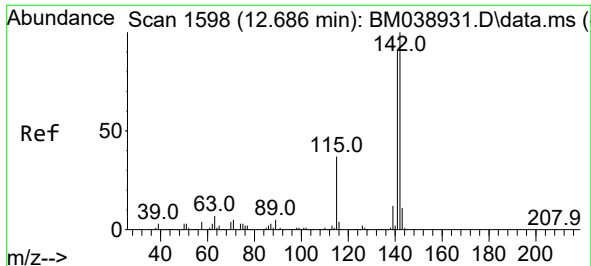
Tgt Ion:107 Resp: 119332
Ion Ratio Lower Upper
107 100
144 25.4 20.7 31.1
142 79.8 64.6 97.0



#37
2-Methylnaphthalene
Concen: 5.145 ng
RT: 12.445 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:142 Resp: 285814
Ion Ratio Lower Upper
142 100
141 87.9 70.6 106.0
115 36.1 28.5 42.7

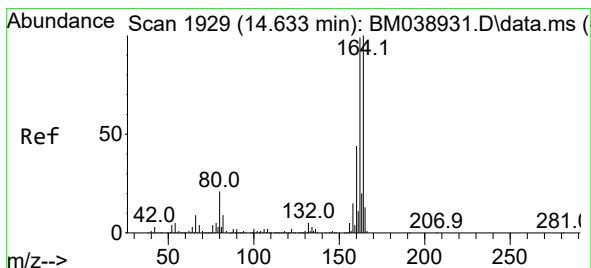
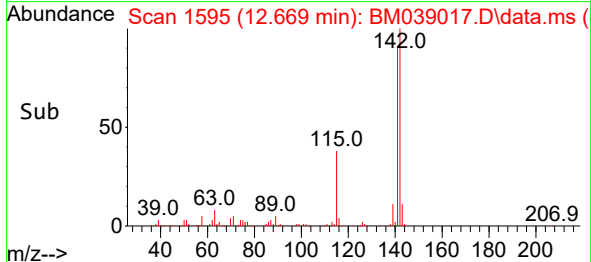
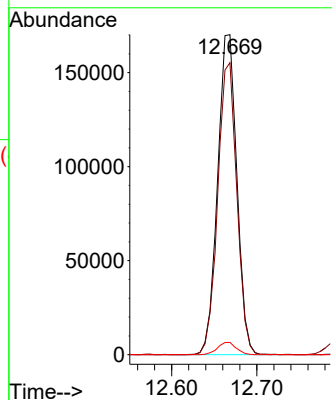
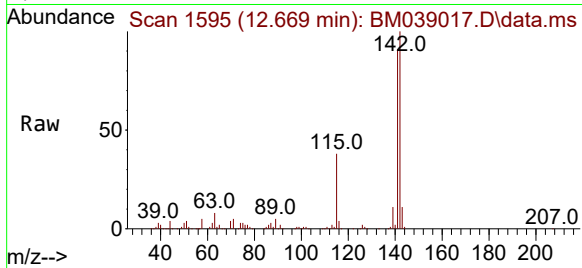




#38
1-Methylnaphthalene
Concen: 5.148 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

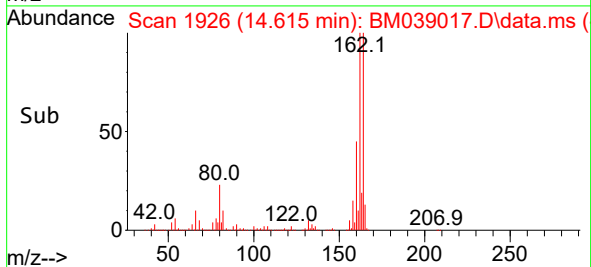
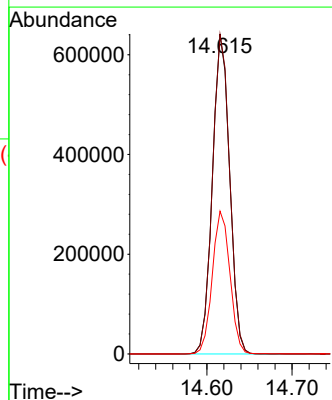
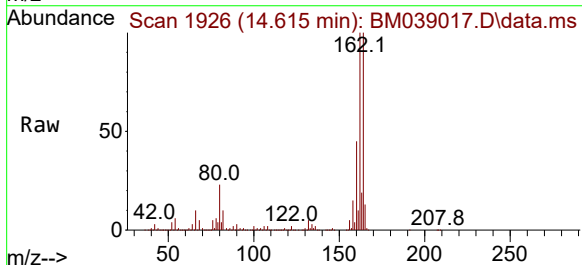
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

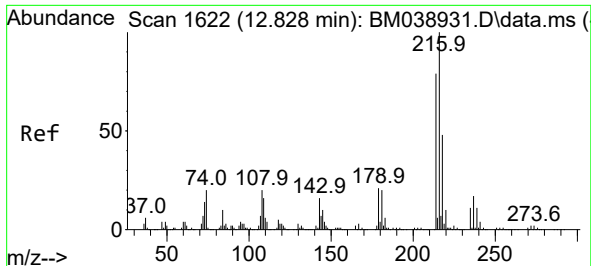
Tgt Ion:142 Resp: 267991
Ion Ratio Lower Upper
142 100
141 91.3 72.8 109.2
116 3.9 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:164 Resp: 902262
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.6 35.5 53.3

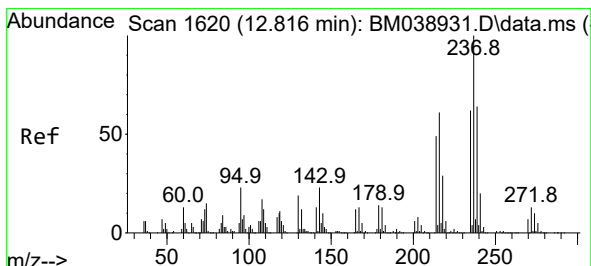
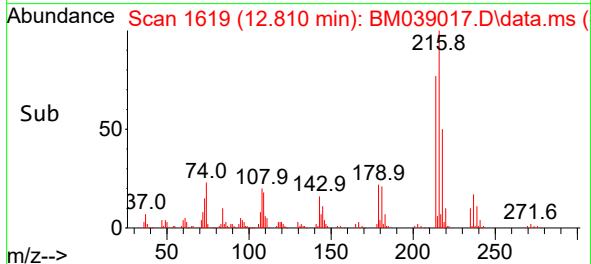
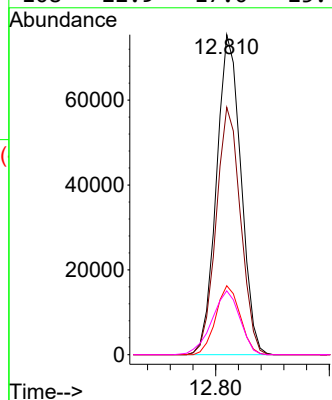
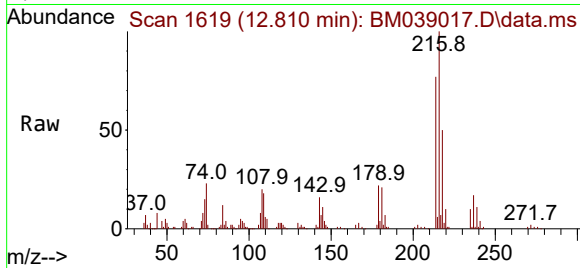




#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.850 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

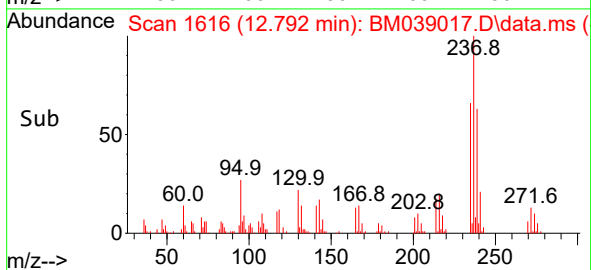
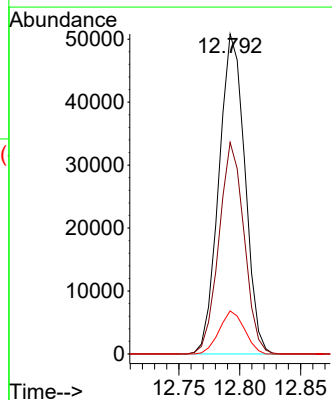
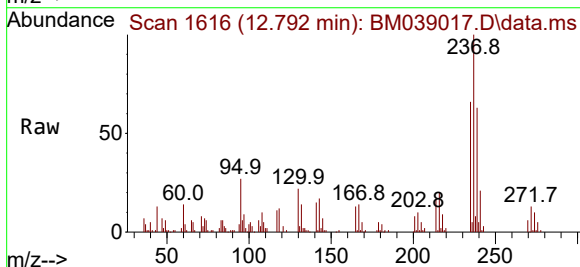
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

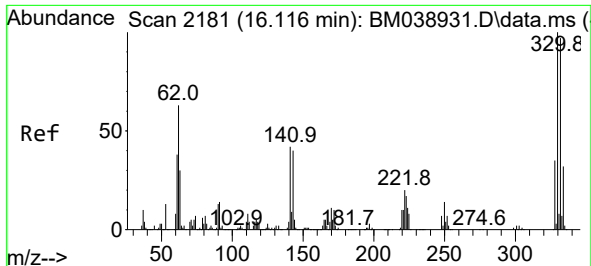
Tgt Ion:216 Resp: 112920
Ion Ratio Lower Upper
216 100
214 77.2 63.0 94.4
179 21.5 16.8 25.2
108 22.9 17.0 25.4



#41
Hexachlorocyclopentadiene
Concen: 4.688 ng
RT: 12.792 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:237 Resp: 75483
Ion Ratio Lower Upper
237 100
235 66.1 41.7 81.7
272 13.5 0.0 33.2

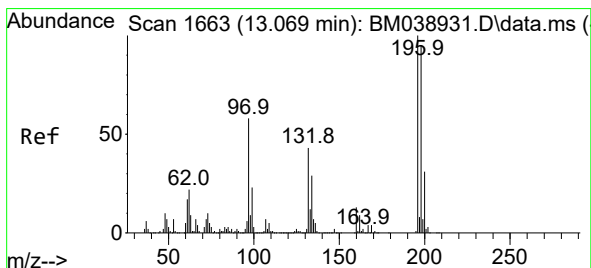
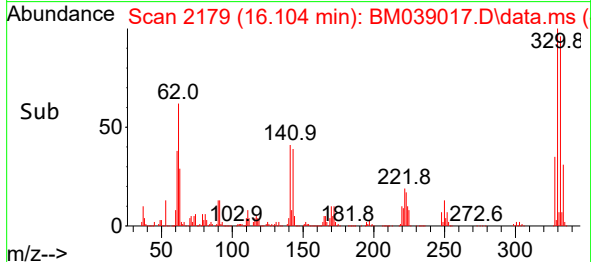
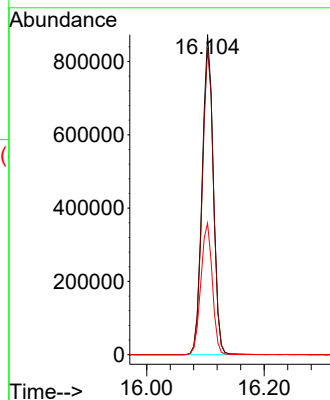
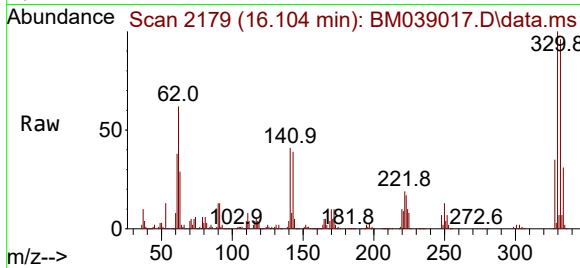




#42
2,4,6-Tribromophenol
Concen: 109.856 ng
RT: 16.104 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

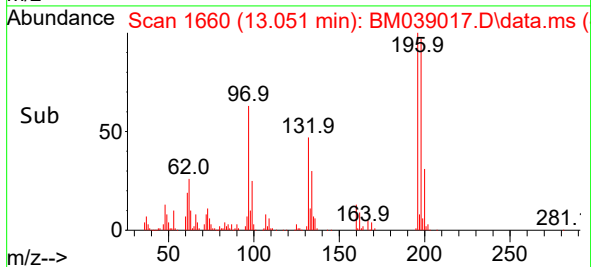
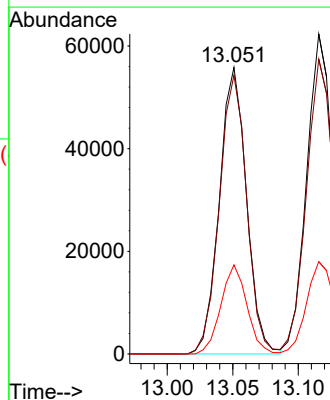
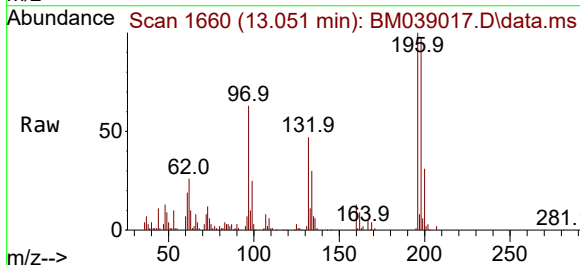
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

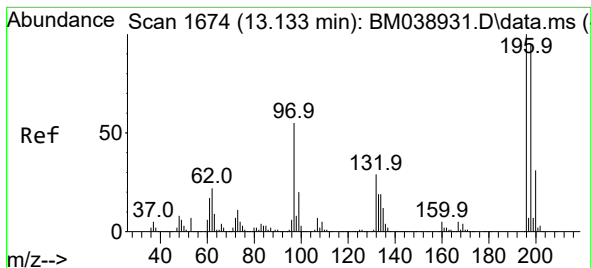
Tgt Ion:330 Resp: 1146648
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 42.5 32.2 48.4



#43
2,4,6-Trichlorophenol
Concen: 4.232 ng
RT: 13.051 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:196 Resp: 80391
Ion Ratio Lower Upper
196 100
198 97.3 75.8 113.8
200 31.1 25.0 37.4





#44

2,4,5-Trichlorophenol

Concen: 3.989 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:196 Resp: 88694

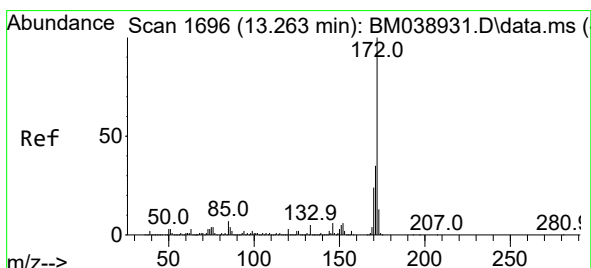
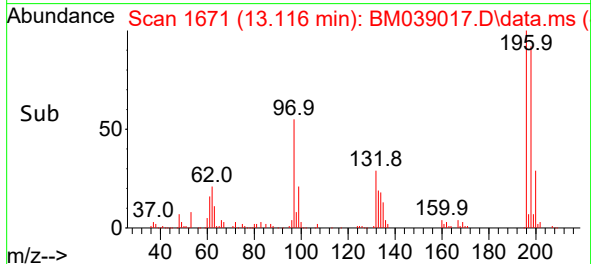
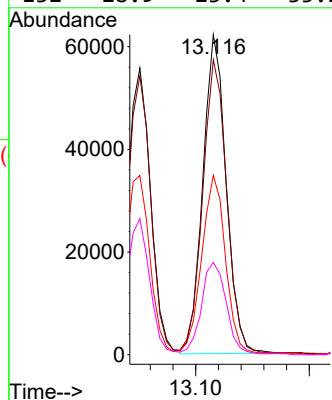
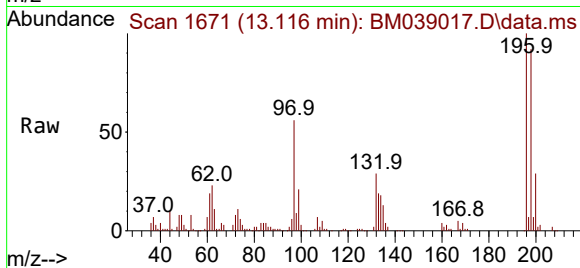
Ion Ratio Lower Upper

196 100

198 92.1 76.3 114.5

97 56.1 44.2 66.4

132 28.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 72.592 ng

RT: 13.245 min Scan# 1693

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

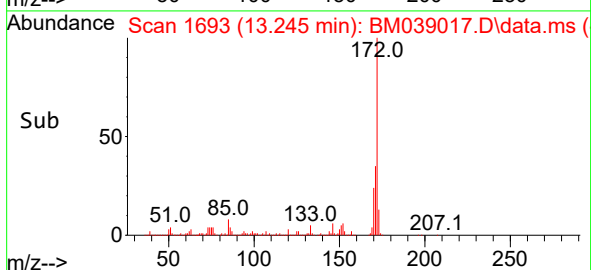
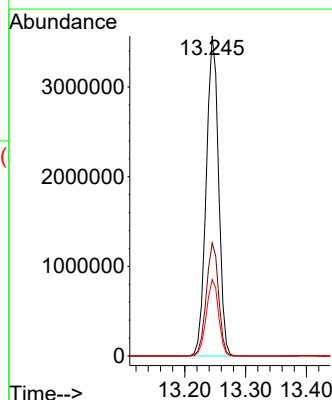
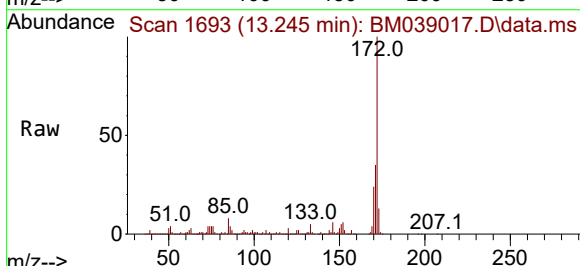
Tgt Ion:172 Resp: 5031262

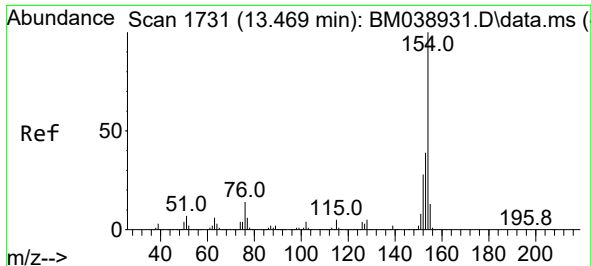
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.9 19.1 28.7

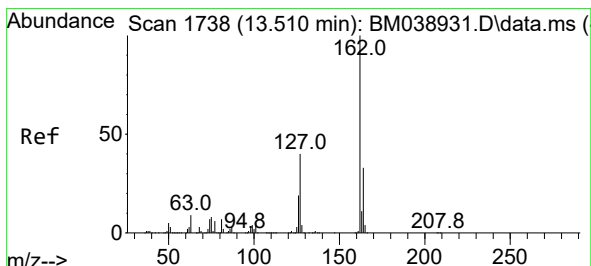
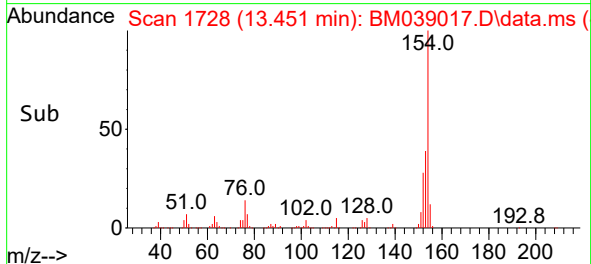
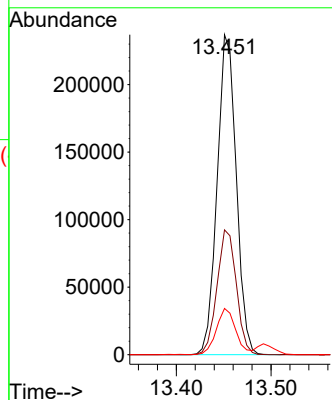
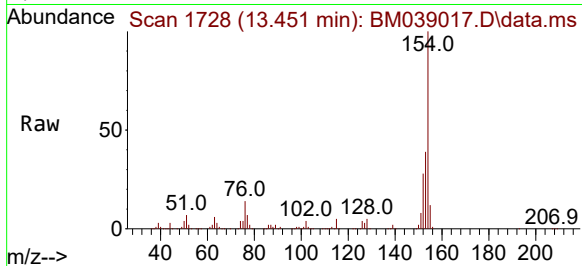




#46
1,1'-Biphenyl
Concen: 4.353 ng
RT: 13.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

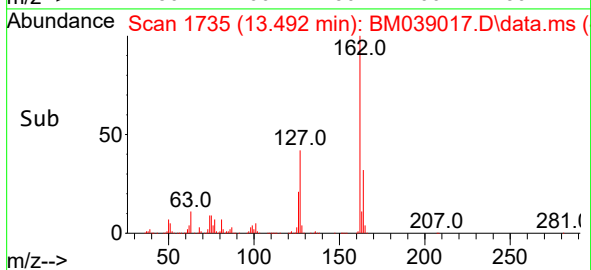
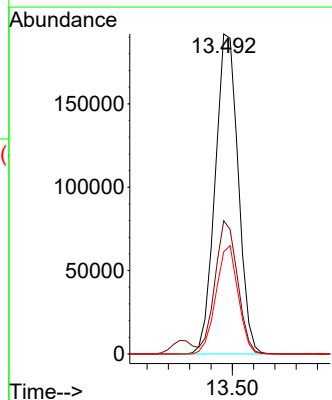
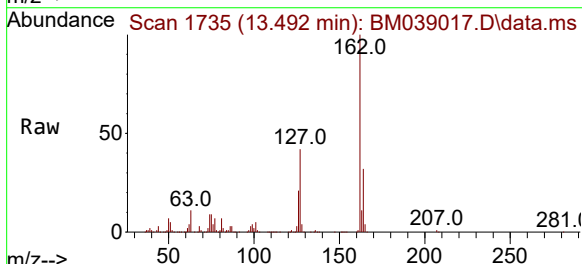
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

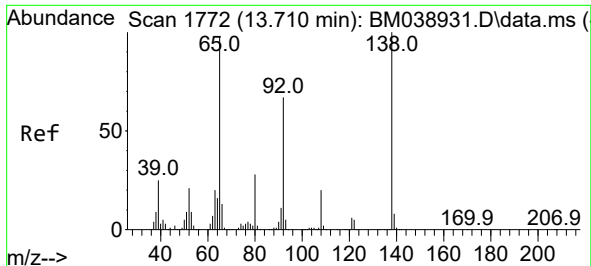
Tgt Ion:154 Resp: 332697
Ion Ratio Lower Upper
154 100
153 39.0 19.3 59.3
76 14.4 0.0 34.0



#47
2-Chloronaphthalene
Concen: 4.990 ng
RT: 13.492 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:162 Resp: 287636
Ion Ratio Lower Upper
162 100
127 41.6 32.1 48.1
164 31.9 26.2 39.4

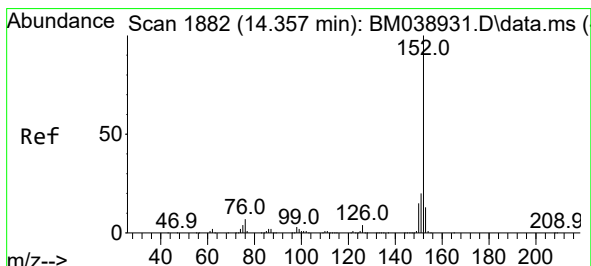
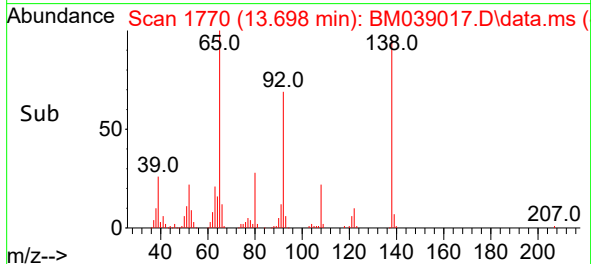
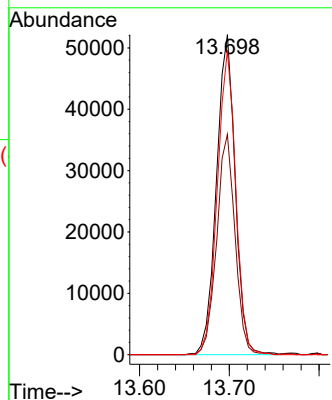
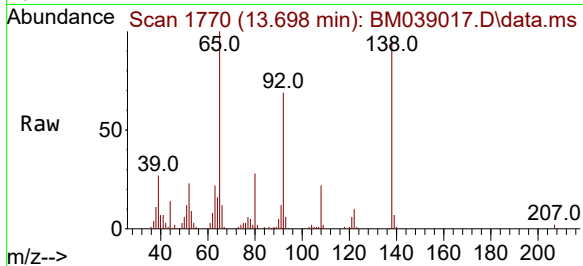




#48
2-Nitroaniline
Concen: 4.570 ng
RT: 13.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

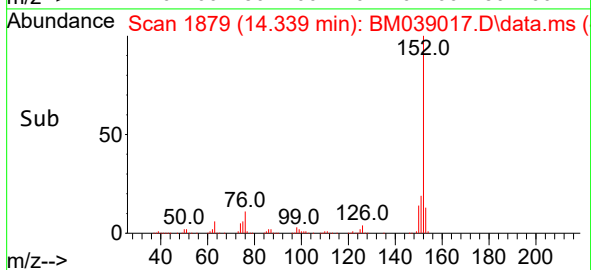
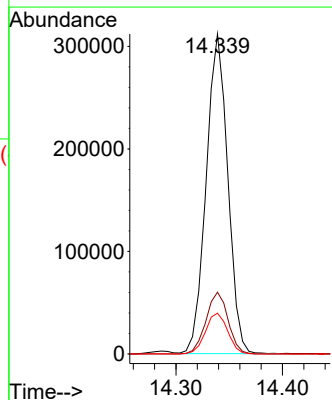
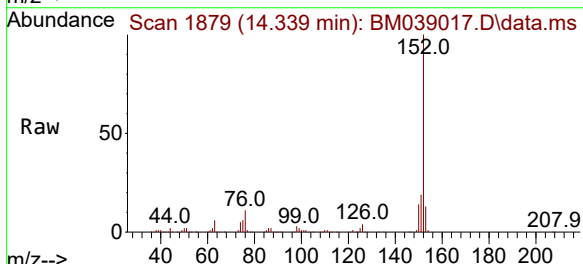
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

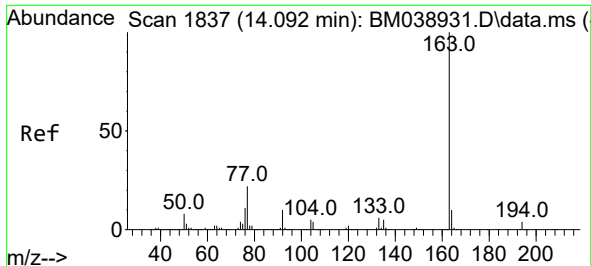
Tgt Ion:	65	Resp:	75646
Ion Ratio	Lower	Upper	
65	100		
92	68.8	54.9	82.3
138	95.1	81.6	122.4



#49
Acenaphthylene
Concen: 4.779 ng
RT: 14.339 min Scan# 1879
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:	152	Resp:	438721
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.8	23.8
153	12.7	10.4	15.6

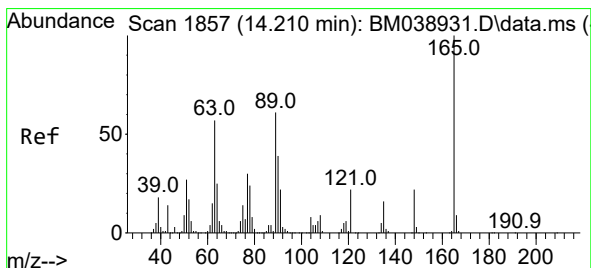
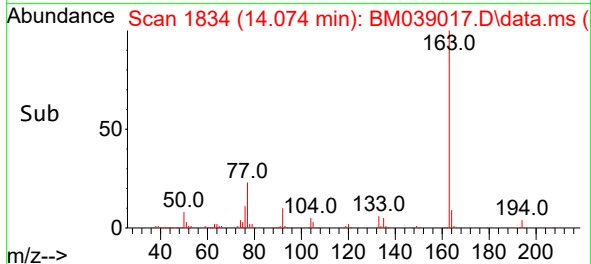
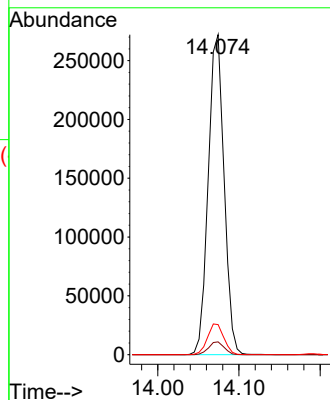
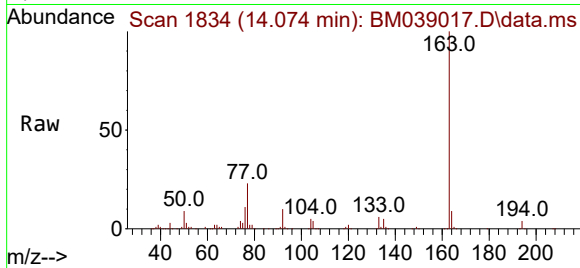




#50
Dimethylphthalate
Concen: 5.307 ng
RT: 14.074 min Scan# 1834
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

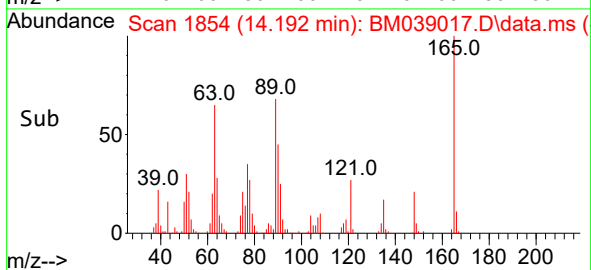
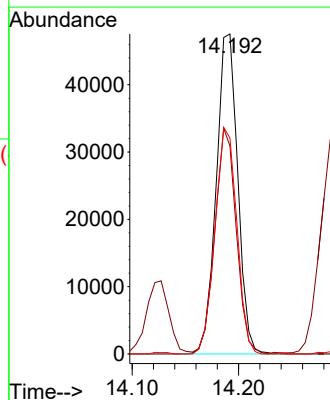
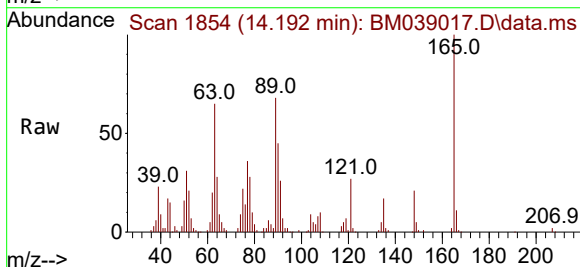
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

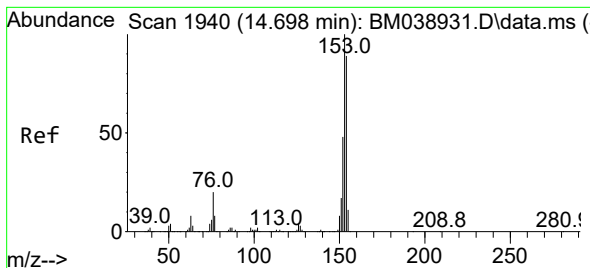
Tgt Ion:163 Resp: 368440
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.4 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 4.704 ng
RT: 14.192 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:165 Resp: 66408
Ion Ratio Lower Upper
165 100
63 65.0 46.6 70.0
89 67.5 48.6 73.0





#52

Acenaphthene

Concen: 5.003 ng

RT: 14.680 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

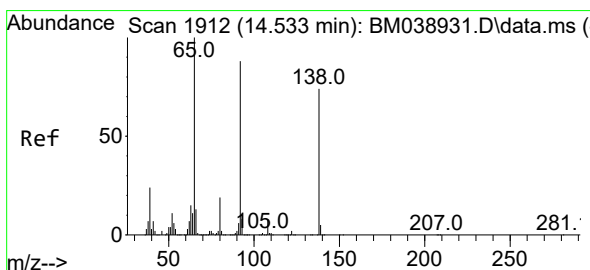
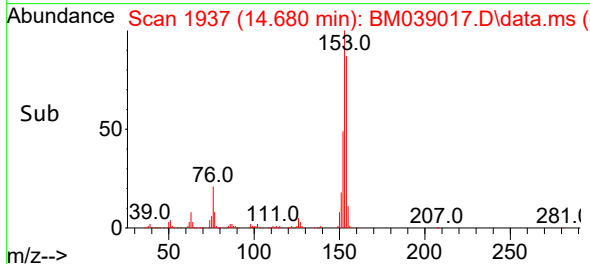
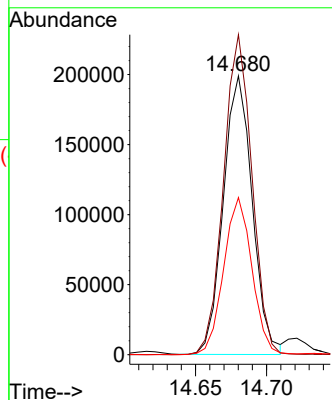
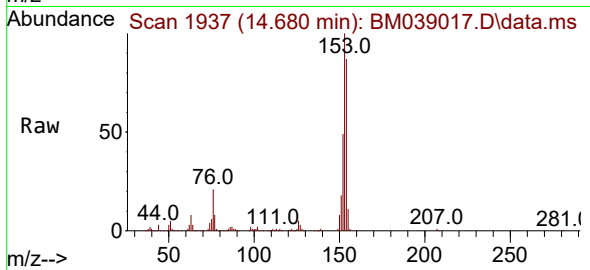
Tgt Ion:154 Resp: 282295

Ion Ratio Lower Upper

154 100

153 114.8 90.2 135.2

152 56.4 43.4 65.2



#53

3-Nitroaniline

Concen: 4.522 ng

RT: 14.515 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

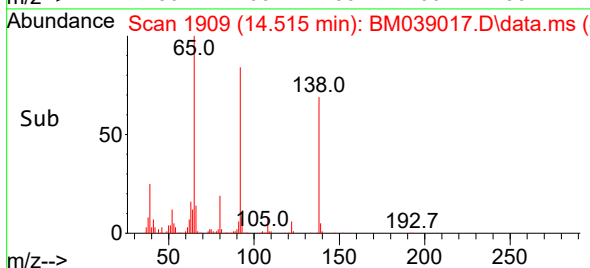
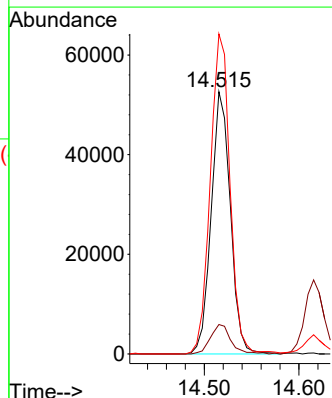
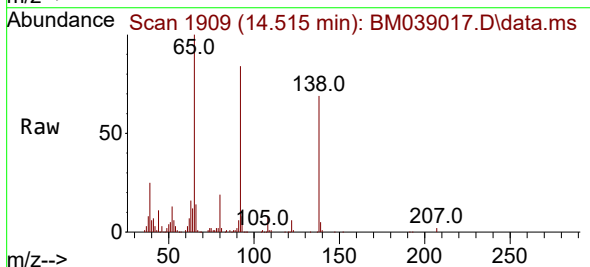
Tgt Ion:138 Resp: 73992

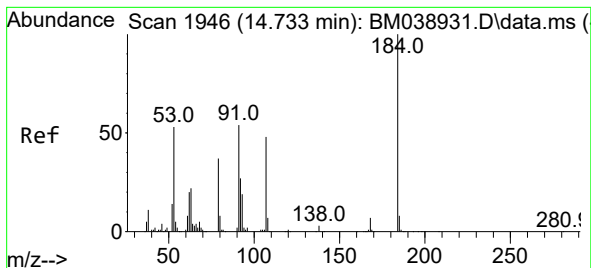
Ion Ratio Lower Upper

138 100

108 11.2 8.3 12.5

92 122.0 95.8 143.8





#54

2,4-Dinitrophenol

Concen: 3.429 ng

RT: 14.721 min Scan# 1944

Delta R.T. 0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

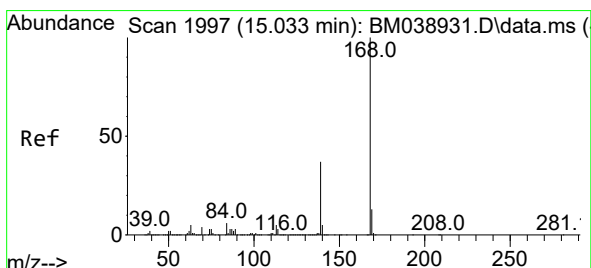
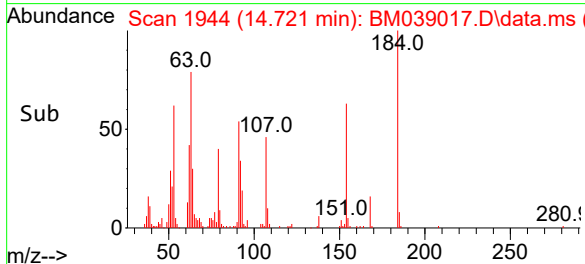
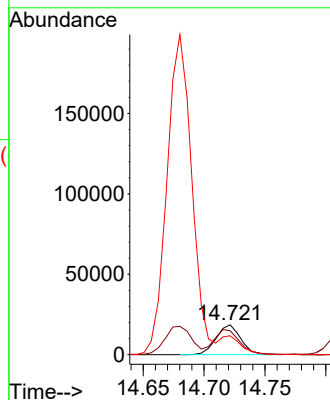
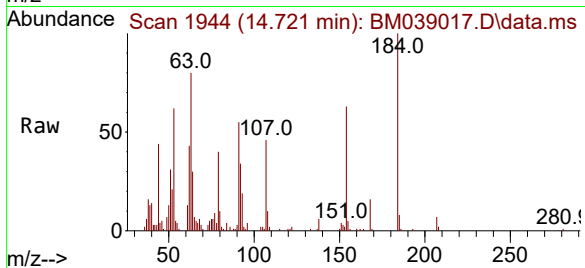
Tgt Ion:184 Resp: 26083

Ion Ratio Lower Upper

184 100

63 80.0 60.6 90.8

154 63.3 51.4 77.2



#55

Dibenzofuran

Concen: 5.125 ng

RT: 15.015 min Scan# 1994

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

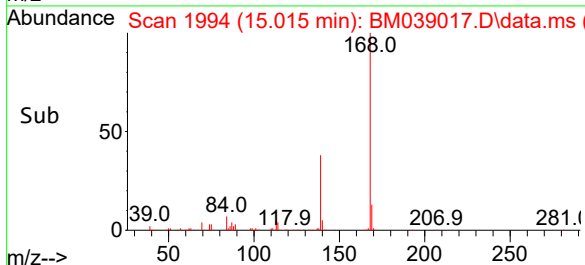
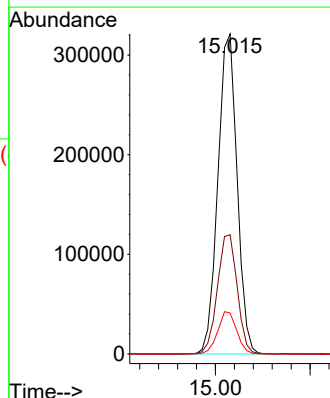
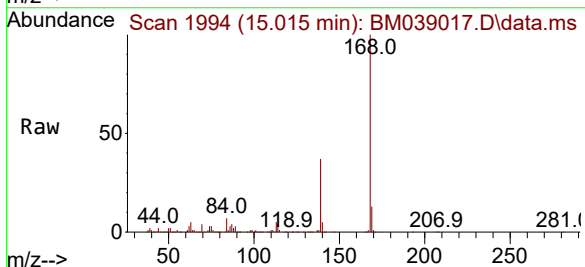
Tgt Ion:168 Resp: 452526

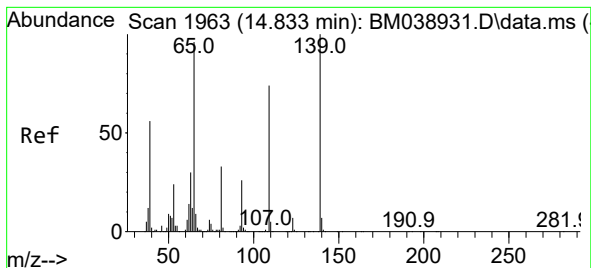
Ion Ratio Lower Upper

168 100

139 37.3 29.9 44.9

169 12.8 10.7 16.1

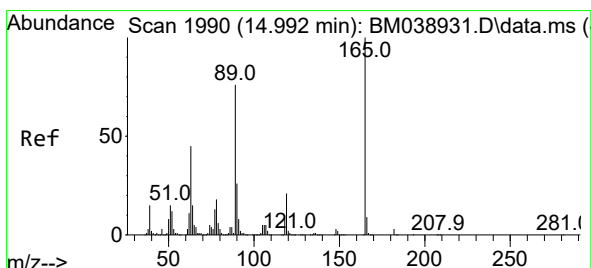
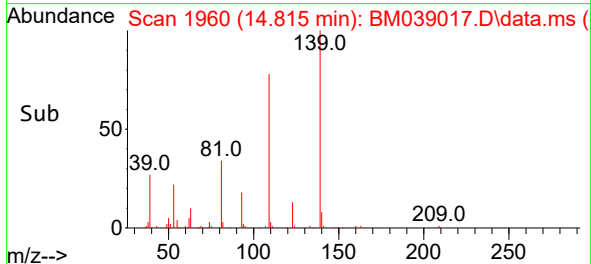
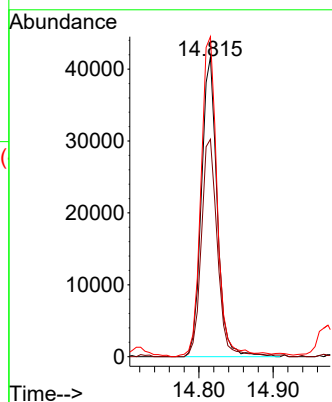
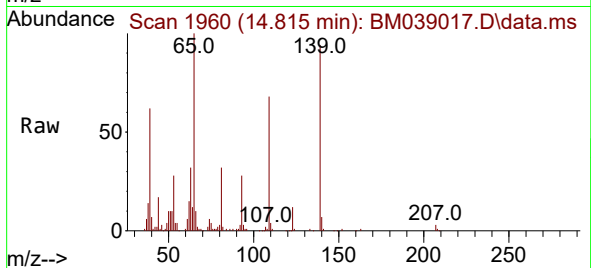




#56
4-Nitrophenol
Concen: 4.449 ng
RT: 14.815 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

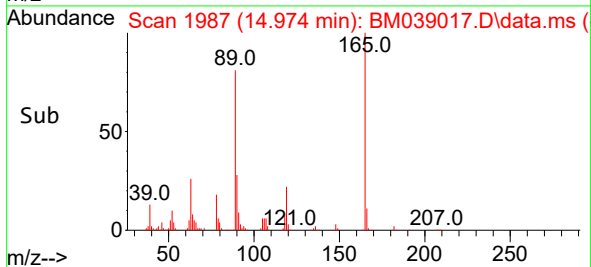
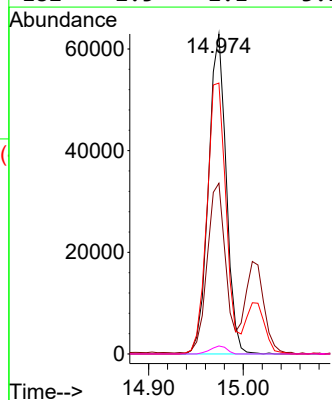
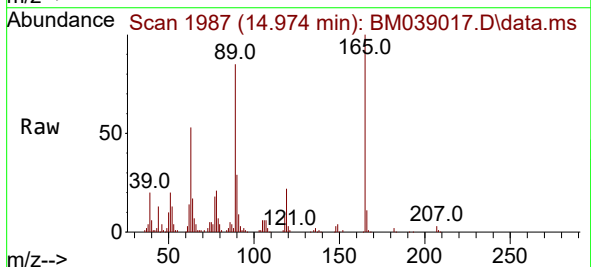
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

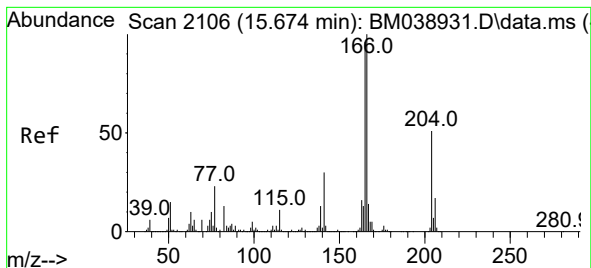
Tgt Ion:139 Resp: 61348
Ion Ratio Lower Upper
139 100
109 72.6 53.5 93.5
65 106.8 76.4 116.4



#57
2,4-Dinitrotoluene
Concen: 4.530 ng
RT: 14.974 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:165 Resp: 81888
Ion Ratio Lower Upper
165 100
63 53.3 35.9 53.9
89 84.7 61.0 91.6
182 2.5 2.1 3.1





#58

Fluorene

Concen: 5.160 ng

RT: 15.662 min Scan# 2104

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

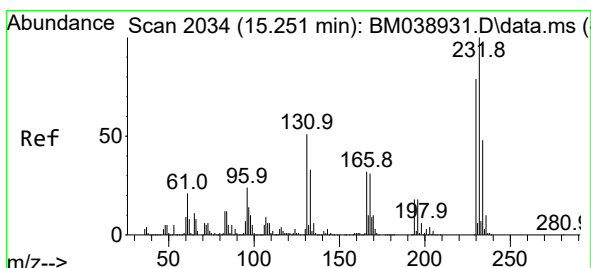
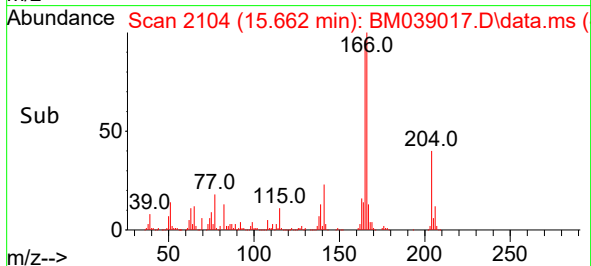
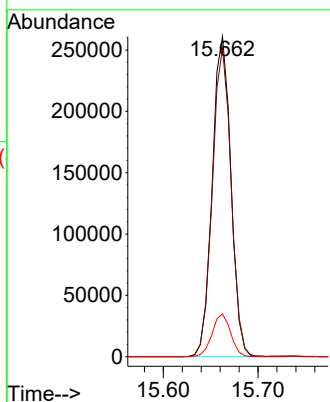
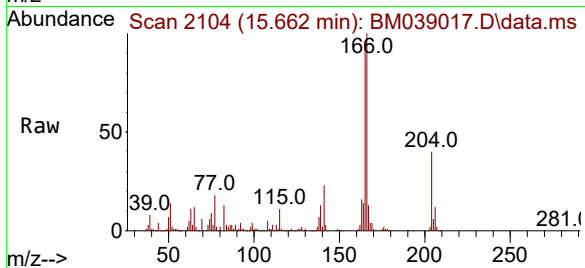
Tgt Ion:166 Resp: 356913

Ion Ratio Lower Upper

166 100

165 96.4 77.1 115.7

167 13.3 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.788 ng

RT: 15.239 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Tgt Ion:232 Resp: 82103

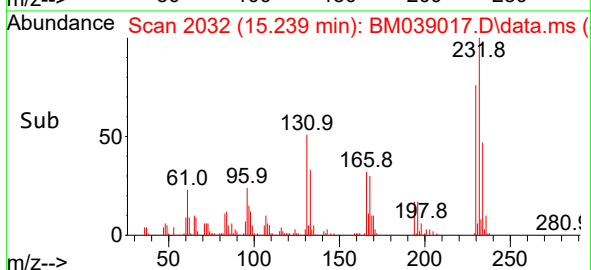
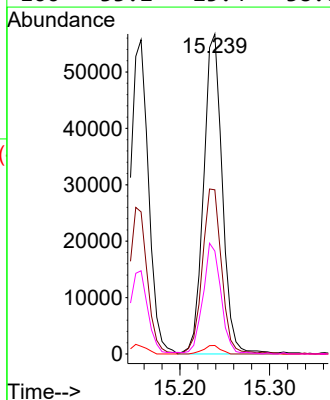
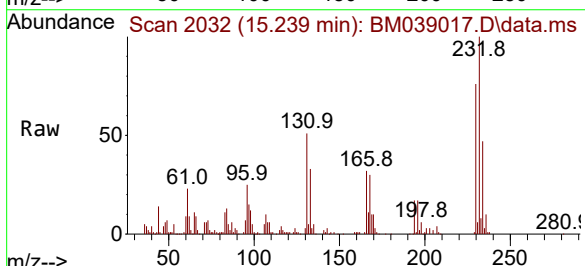
Ion Ratio Lower Upper

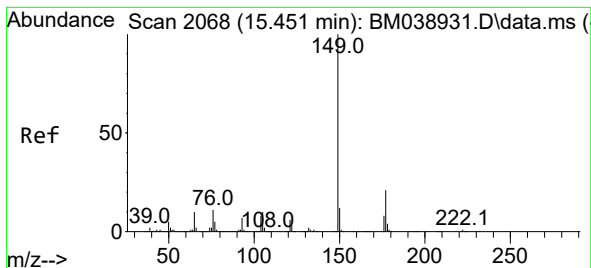
232 100

131 51.8 40.0 60.0

130 2.4 2.0 3.0

166 33.2 25.4 38.0





#60

Diethylphthalate

Concen: 5.326 ng

RT: 15.433 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

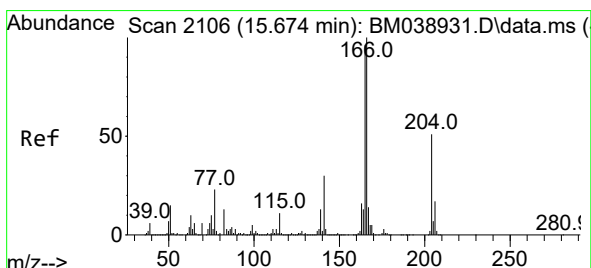
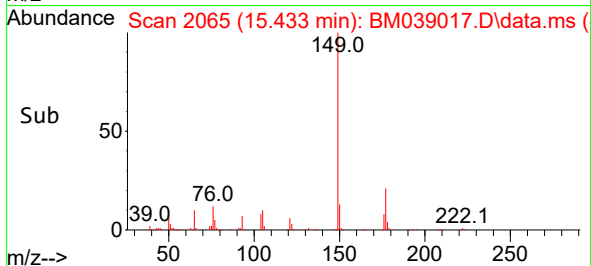
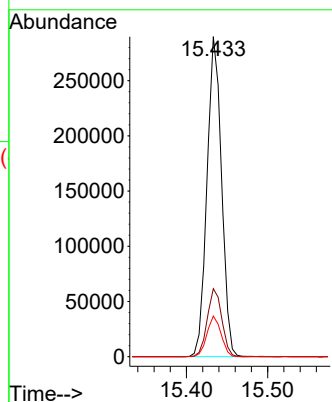
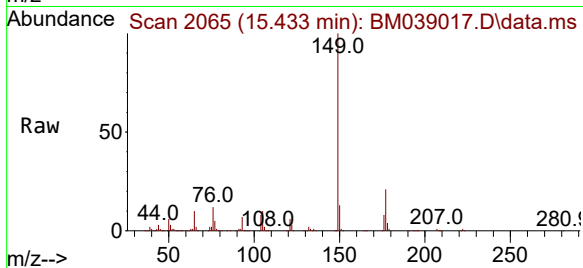
Tgt Ion:149 Resp: 359779

Ion Ratio Lower Upper

149 100

177 21.3 17.1 25.7

150 12.7 9.7 14.5



#61

4-Chlorophenyl-phenylether

Concen: 5.025 ng

RT: 15.657 min Scan# 2103

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

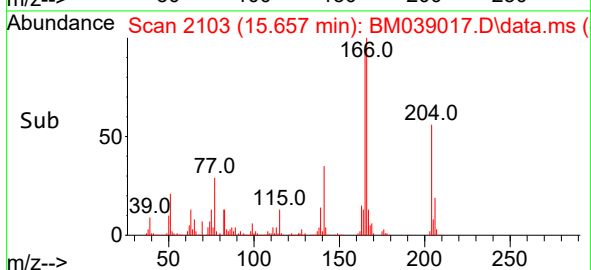
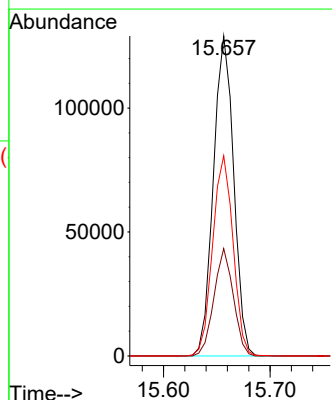
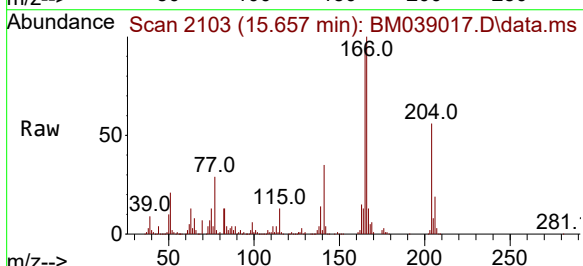
Tgt Ion:204 Resp: 170753

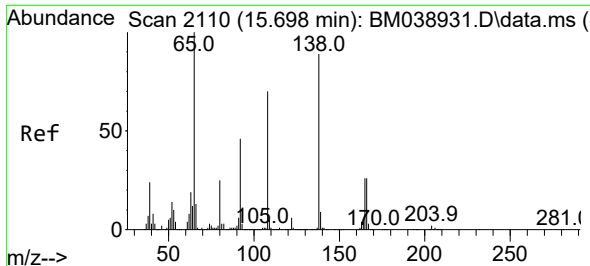
Ion Ratio Lower Upper

204 100

206 33.6 26.4 39.6

141 62.6 46.4 69.6

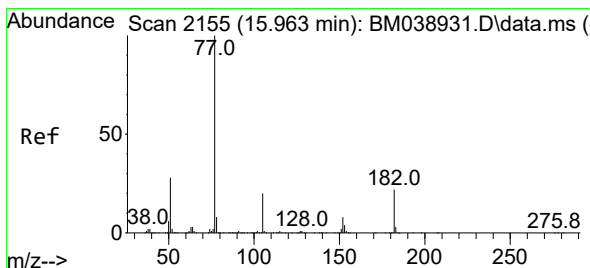
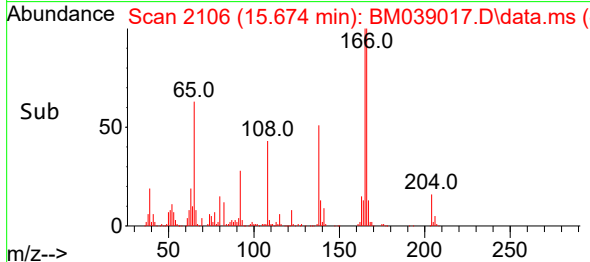
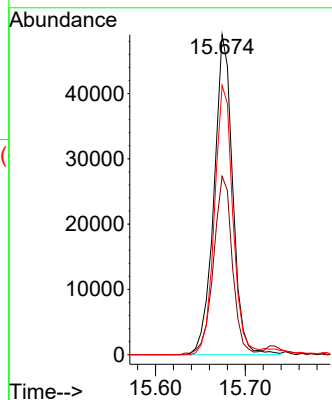
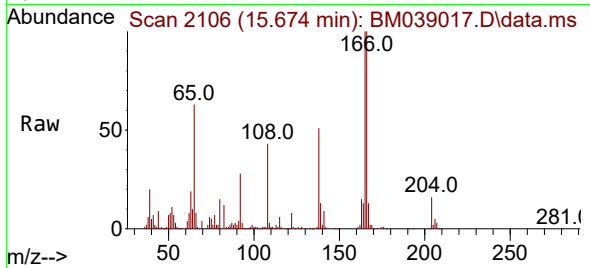




#62
4-Nitroaniline
Concen: 4.338 ng
RT: 15.674 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

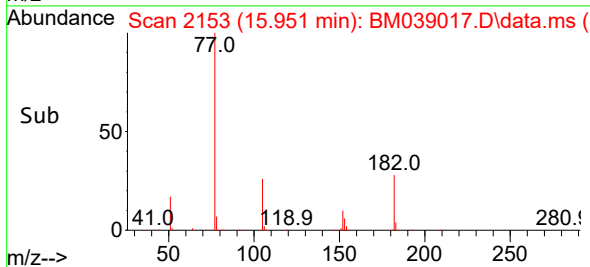
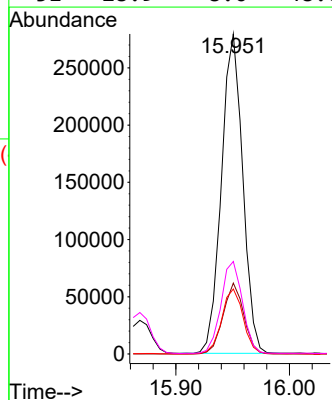
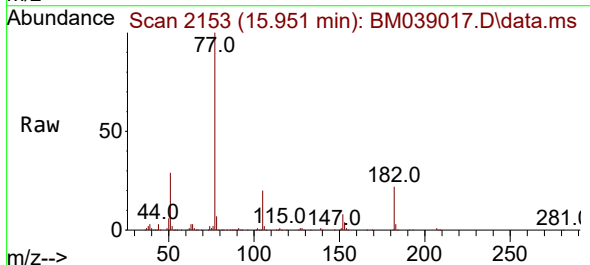
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

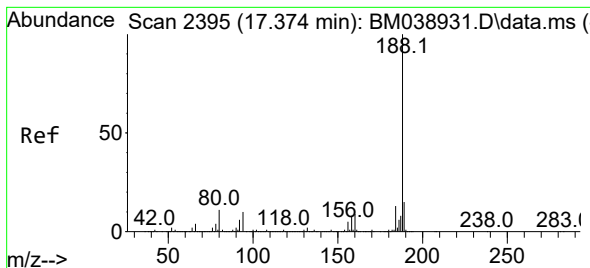
Tgt Ion:138	Resp:	70845
Ion Ratio	Lower	Upper
138	100	
92	55.8	31.6 71.6
108	84.1	58.6 98.6



#63
Azobenzene
Concen: 5.097 ng
RT: 15.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 77	Resp:	364368
Ion Ratio	Lower	Upper
77	100	
182	22.1	2.0 42.0
105	20.3	0.4 40.4
51	28.9	8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.362 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

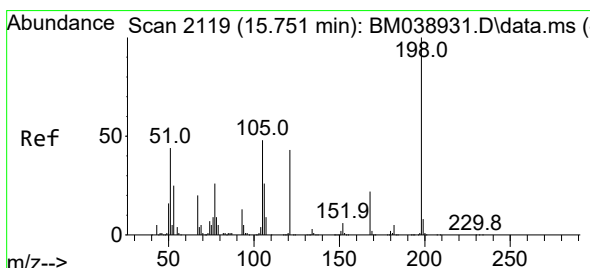
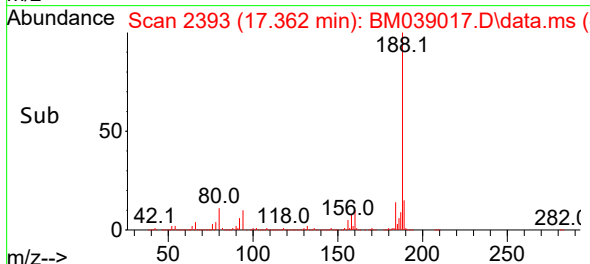
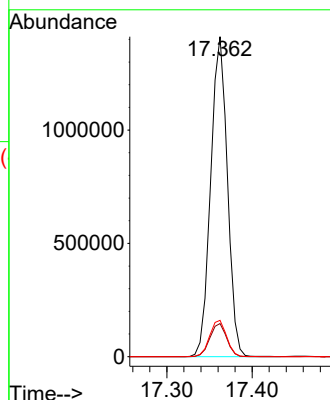
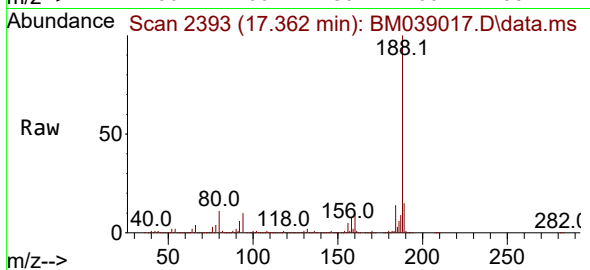
Tgt Ion:188 Resp: 1922709

Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 11.3 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 3.345 ng

RT: 15.733 min Scan# 2116

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

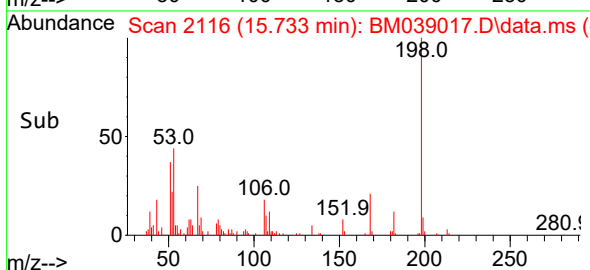
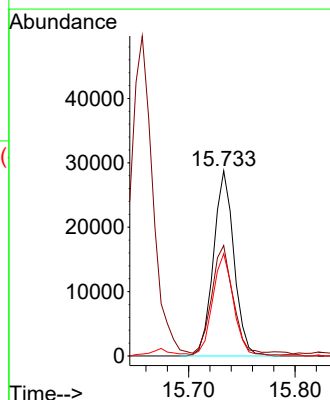
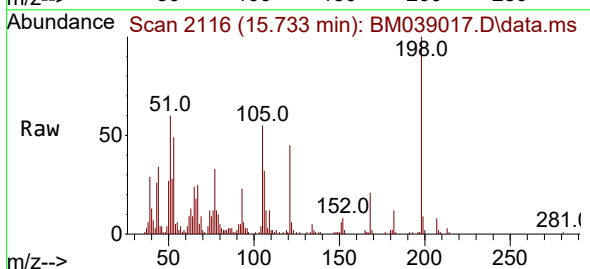
Tgt Ion:198 Resp: 38502

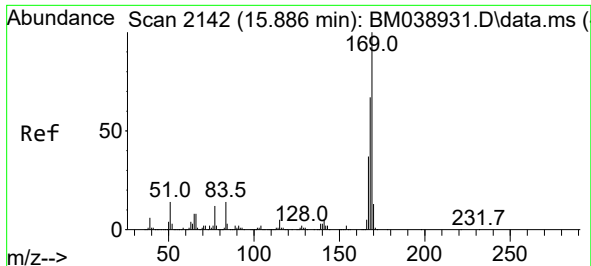
Ion Ratio Lower Upper

198 100

51 59.6 30.1 70.1

105 55.3 29.3 69.3

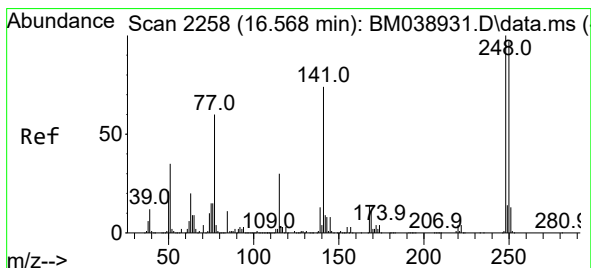
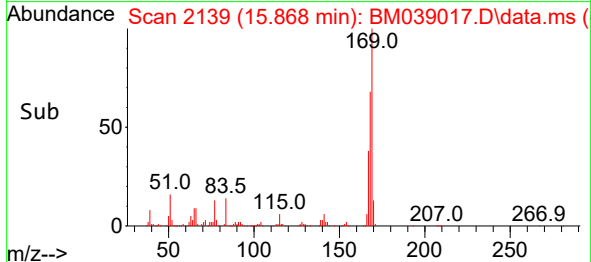
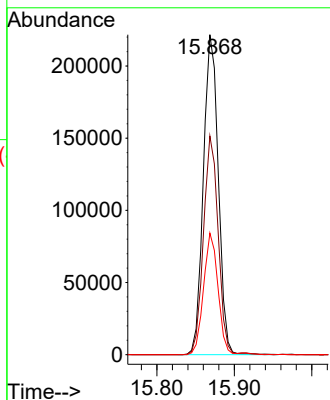
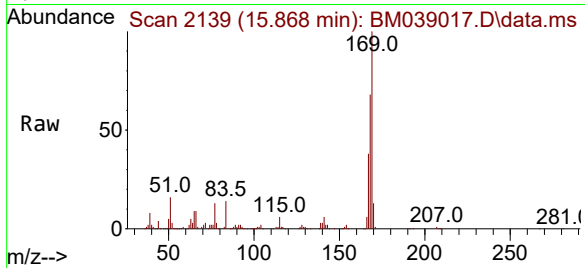




#66
 n-Nitrosodiphenylamine
 Concen: 4.583 ng
 RT: 15.868 min Scan# 2142
 Delta R.T. -0.006 min
 Lab File: BM039017.D
 Acq: 16 Mar 2023 14:45

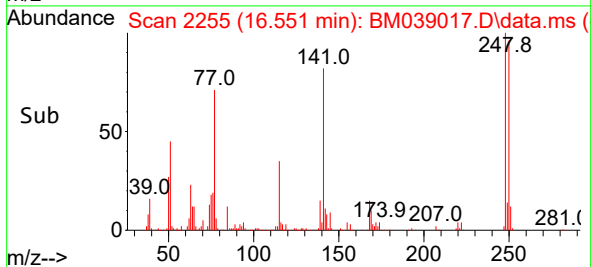
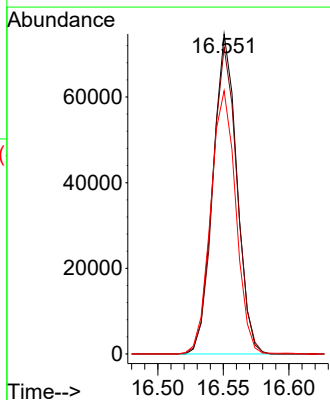
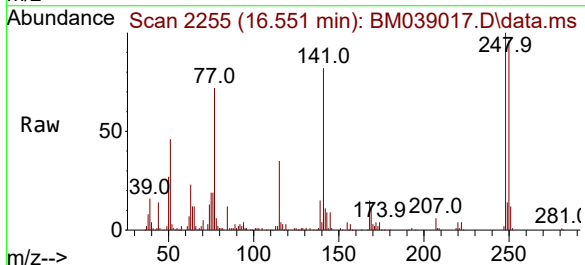
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

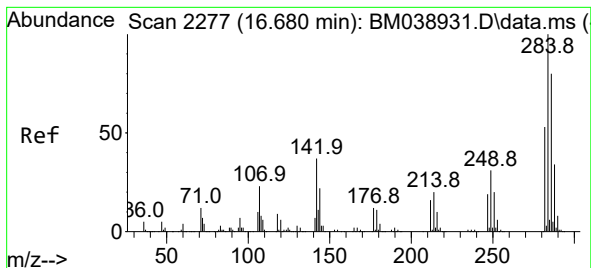
Tgt Ion:169 Resp: 297057
 Ion Ratio Lower Upper
 169 100
 168 68.4 53.4 80.0
 167 38.0 29.4 44.0



#67
 4-Bromophenyl-phenylether
 Concen: 4.568 ng
 RT: 16.551 min Scan# 2255
 Delta R.T. -0.000 min
 Lab File: BM039017.D
 Acq: 16 Mar 2023 14:45

Tgt Ion:248 Resp: 94866
 Ion Ratio Lower Upper
 248 100
 250 95.8 77.8 116.8
 141 82.2 59.0 88.4





#68

Hexachlorobenzene

Concen: 5.047 ng

RT: 16.662 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

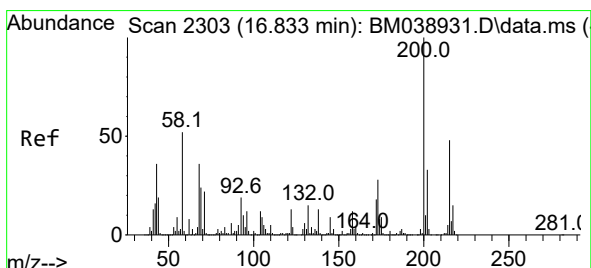
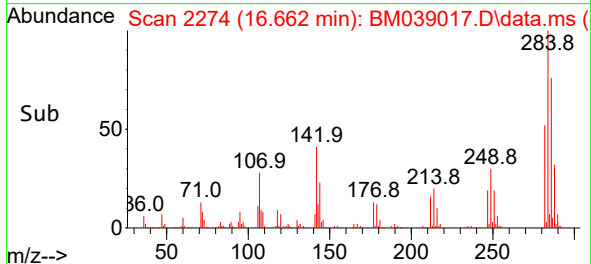
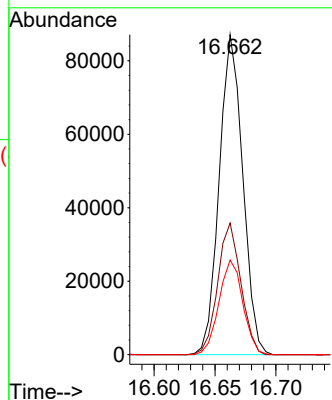
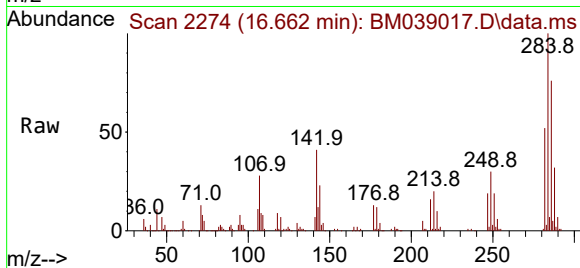
Tgt Ion:284 Resp: 117169

Ion Ratio Lower Upper

284 100

142 41.1 29.5 44.3

249 29.6 25.0 37.4



#69

Atrazine

Concen: 4.267 ng

RT: 16.821 min Scan# 2301

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

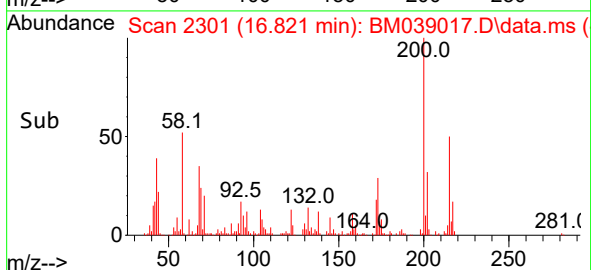
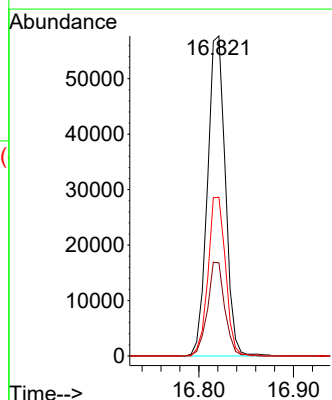
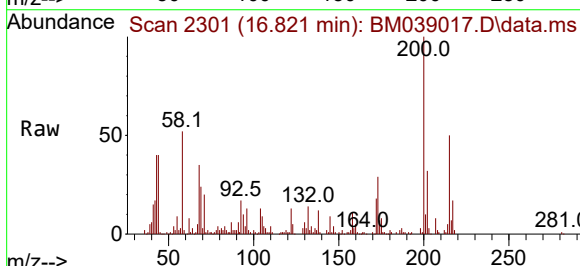
Tgt Ion:200 Resp: 75545

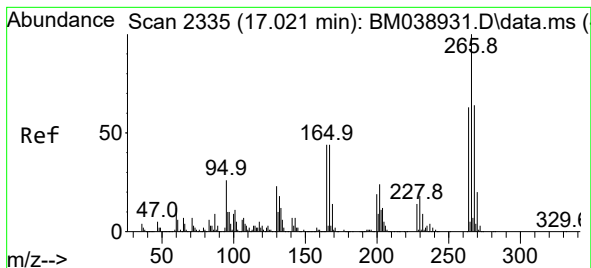
Ion Ratio Lower Upper

200 100

173 29.1 8.2 48.2

215 49.6 27.8 67.8





#70

Pentachlorophenol

Concen: 3.400 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

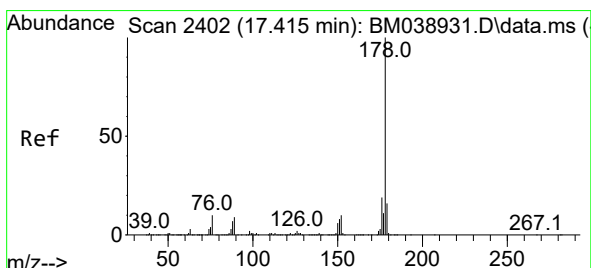
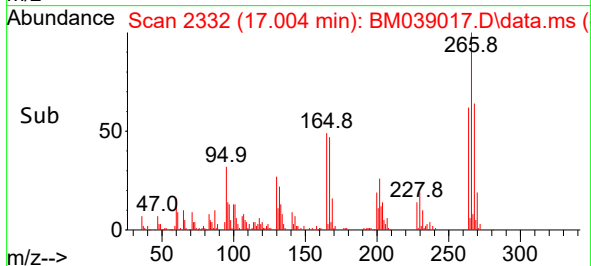
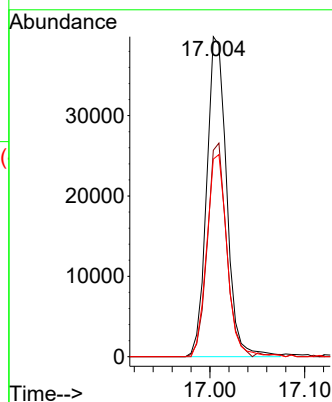
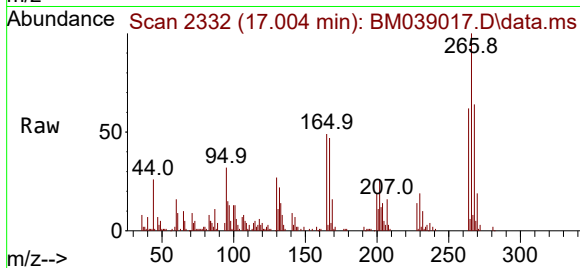
Tgt Ion:266 Resp: 58060

Ion Ratio Lower Upper

266 100

268 64.5 51.0 76.4

264 61.8 50.3 75.5



#71

Phenanthrene

Concen: 5.024 ng

RT: 17.404 min Scan# 2400

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

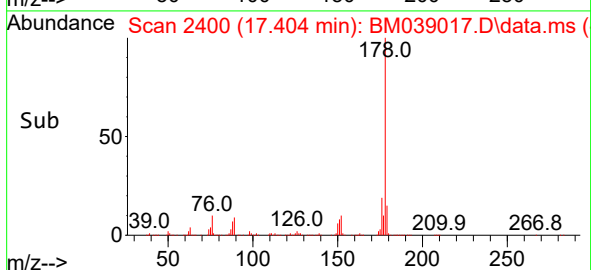
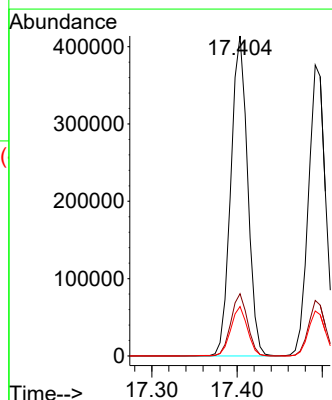
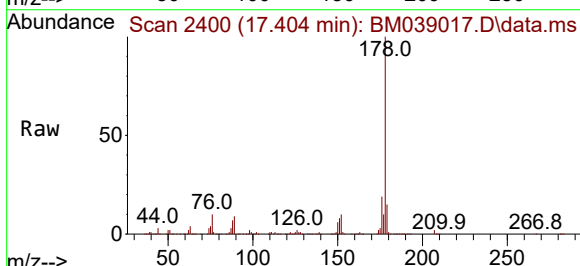
Tgt Ion:178 Resp: 566928

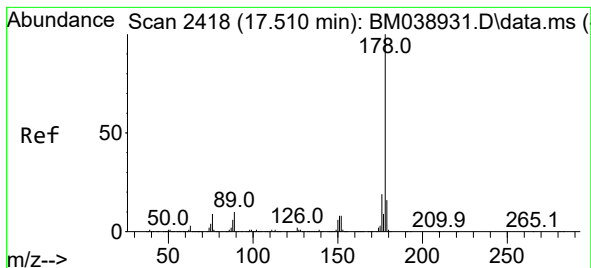
Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.5 12.5 18.7





#72

Anthracene

Concen: 4.788 ng

RT: 17.492 min Scan# 2415

Delta R.T. -0.000 min

Lab File: BM039017.D

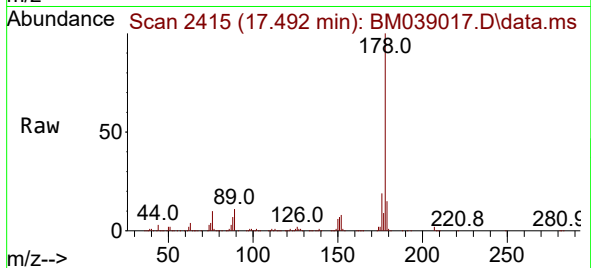
Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023



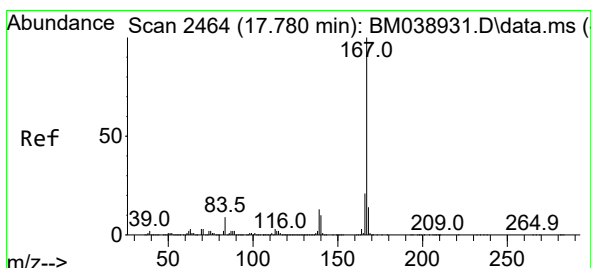
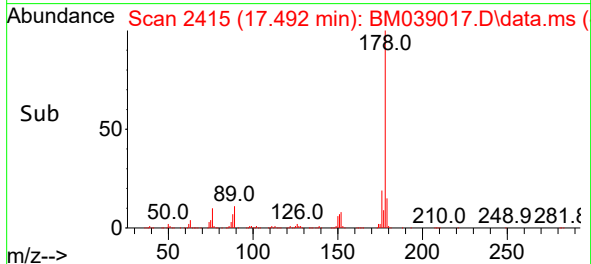
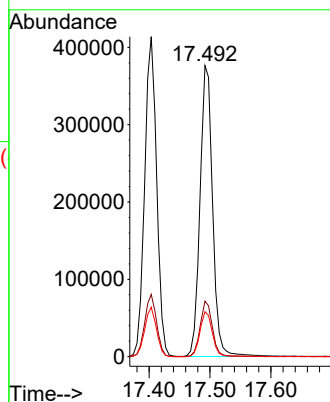
Tgt Ion:178 Resp: 538808

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.4 12.5 18.7



#73

Carbazole

Concen: 4.929 ng

RT: 17.762 min Scan# 2461

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

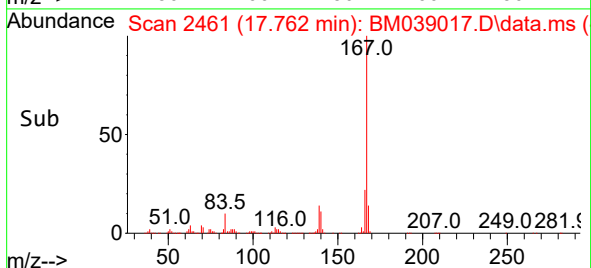
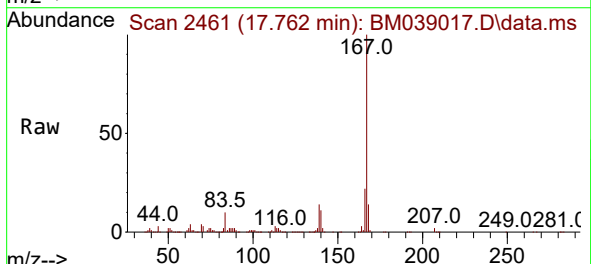
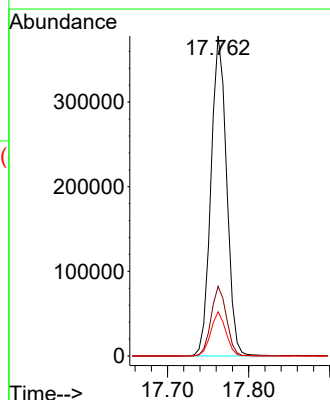
Tgt Ion:167 Resp: 506267

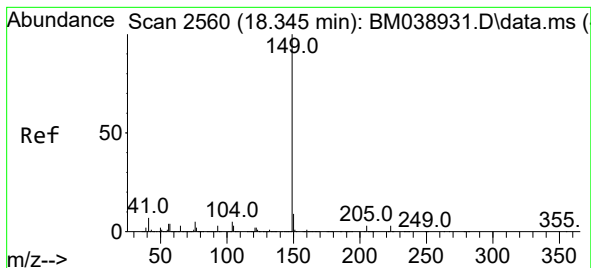
Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

139 13.8 10.3 15.5





#74

Di-n-butylphthalate

Concen: 4.990 ng

RT: 18.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

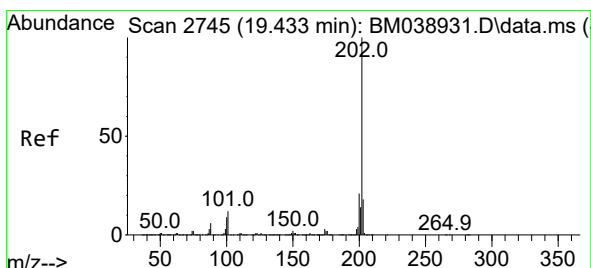
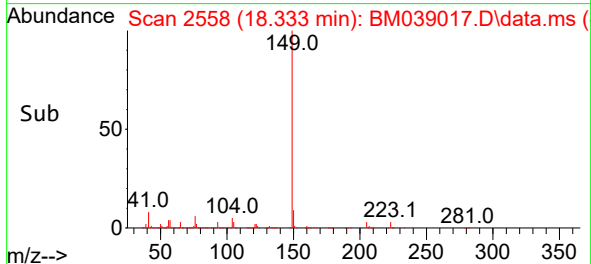
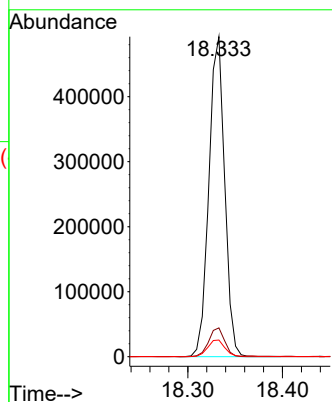
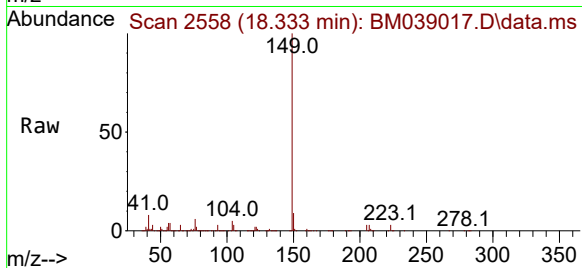
Tgt Ion:149 Resp: 569264

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 5.2 4.3 6.5



#75

Fluoranthene

Concen: 5.002 ng

RT: 19.415 min Scan# 2742

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

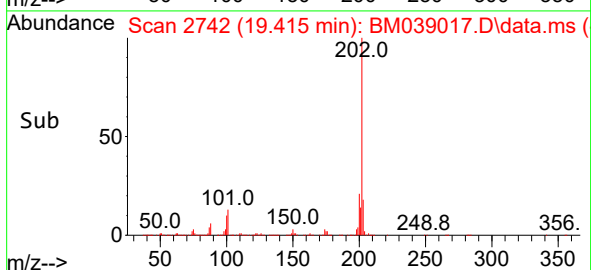
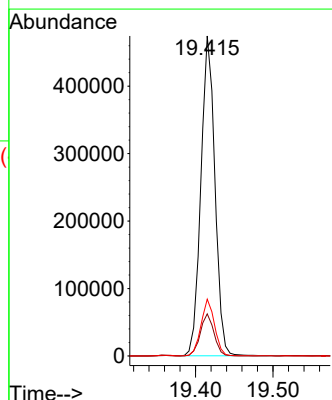
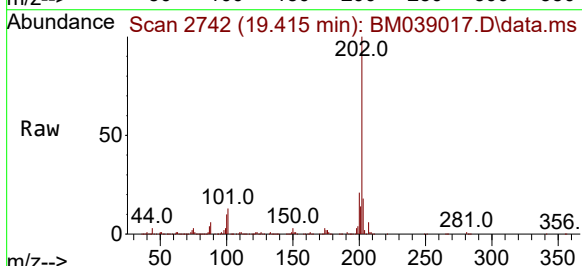
Tgt Ion:202 Resp: 595922

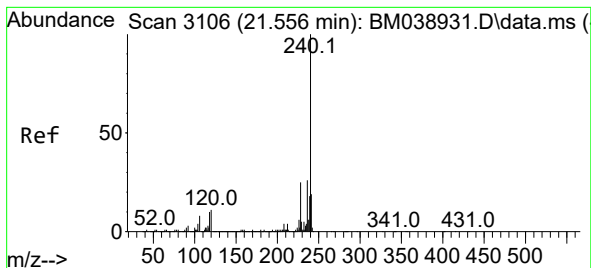
Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.7

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.544 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

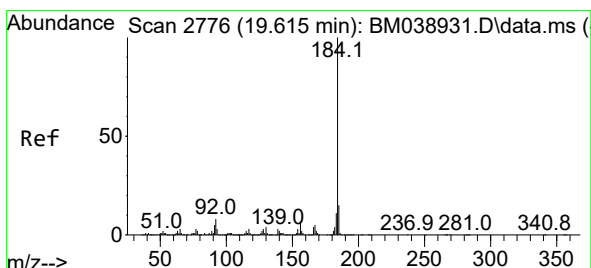
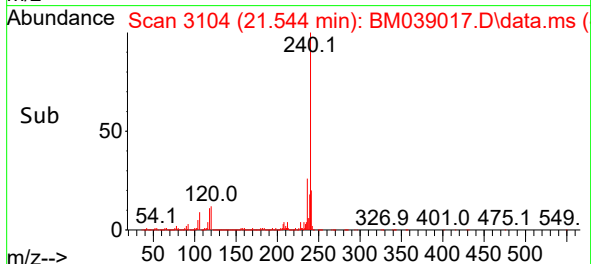
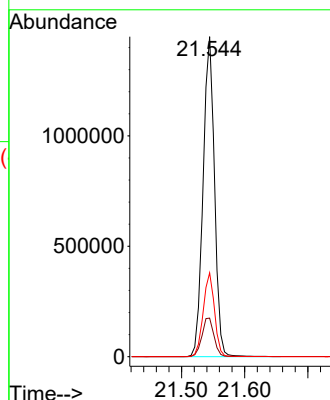
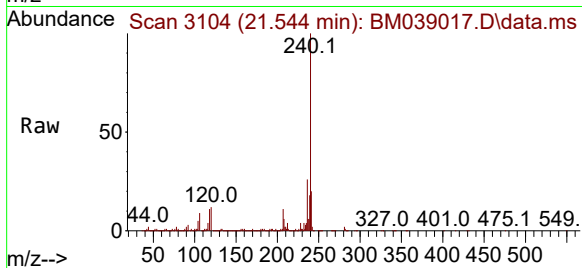
Tgt Ion:240 Resp: 1816218

Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 26.2 20.8 31.2



#77

Benzidine

Concen: 5.612 ng

RT: 19.603 min Scan# 2774

Delta R.T. 0.005 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

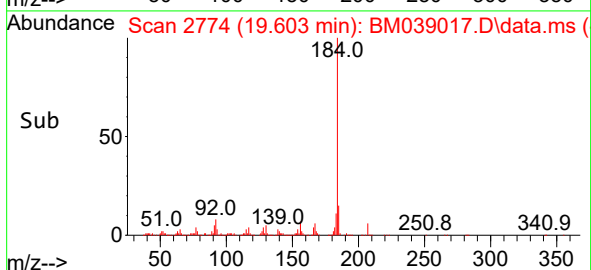
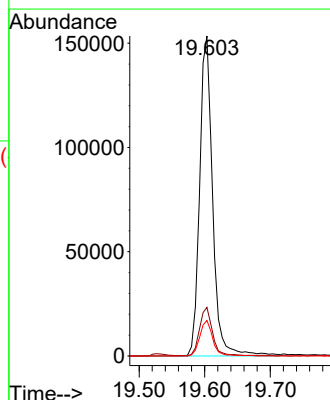
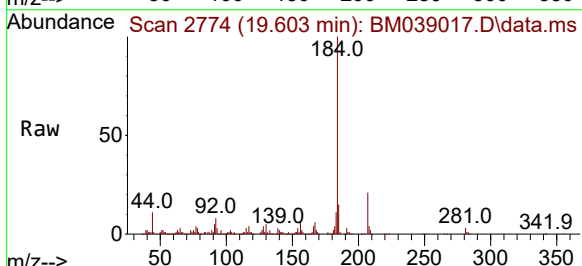
Tgt Ion:184 Resp: 212432

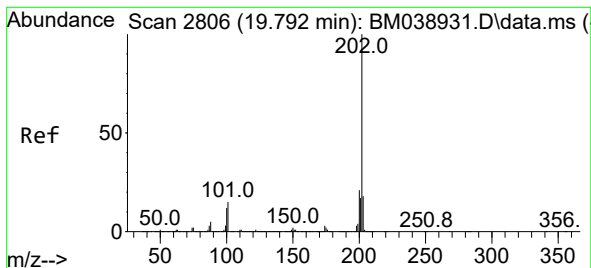
Ion Ratio Lower Upper

184 100

185 15.2 12.2 18.4

183 11.1 8.8 13.2





#78

Pyrene

Concen: 4.660 ng

RT: 19.780 min Scan# 2804

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

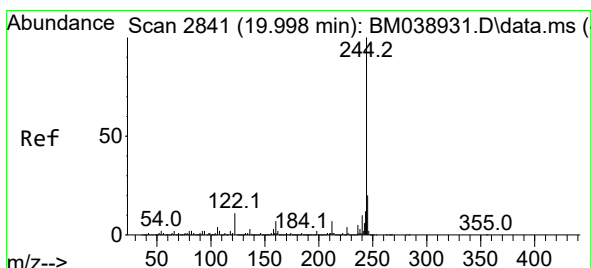
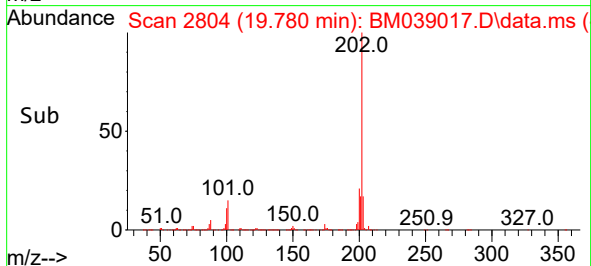
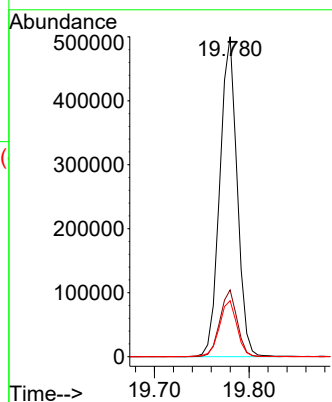
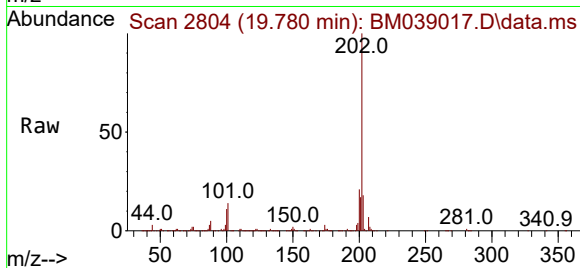
Tgt Ion:202 Resp: 635684

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 76.785 ng

RT: 19.986 min Scan# 2839

Delta R.T. 0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

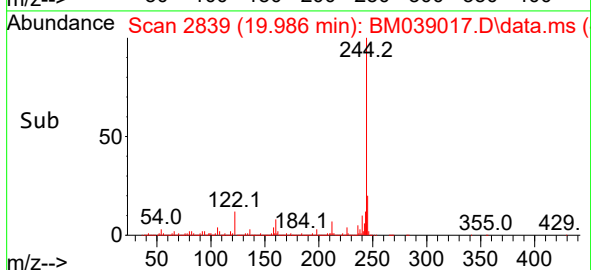
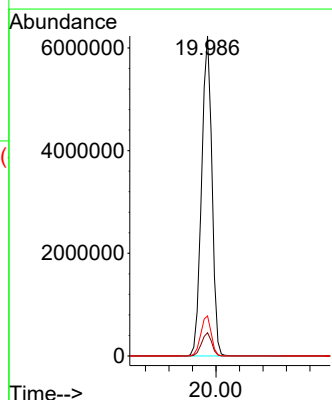
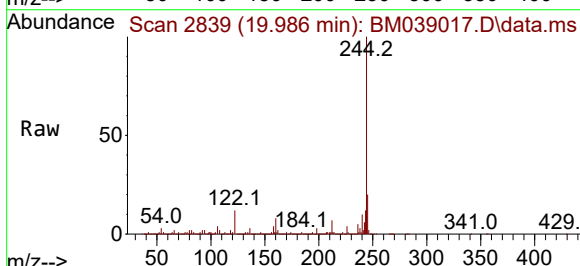
Tgt Ion:244 Resp: 7627662

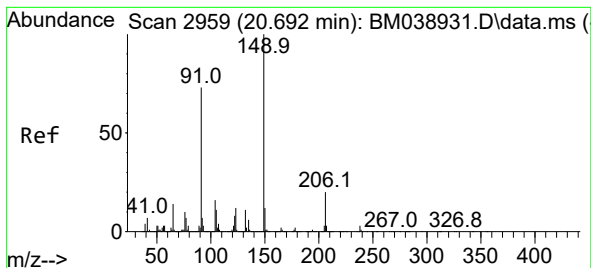
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 12.5 9.0 13.4





#80

Butylbenzylphthalate

Concen: 4.613 ng

RT: 20.680 min Scan# 2959

Delta R.T. 0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

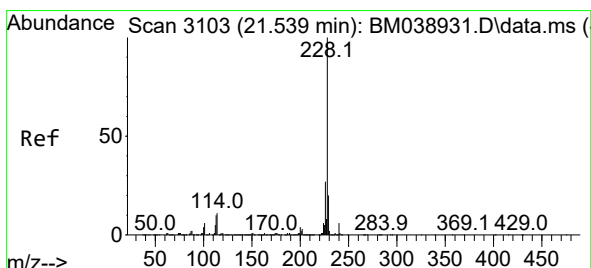
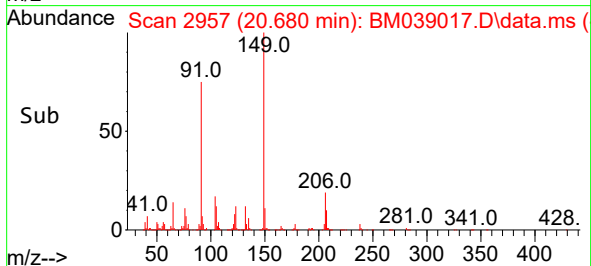
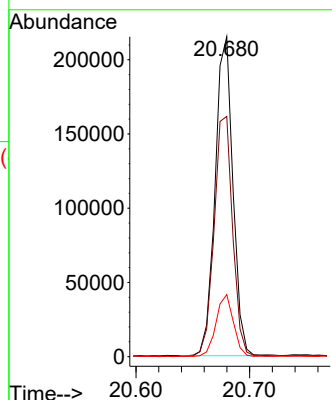
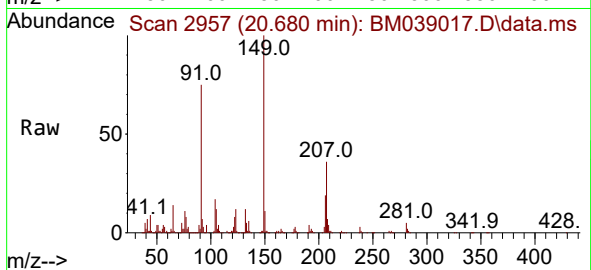
Tgt Ion:149 Resp: 233706

Ion Ratio Lower Upper

149 100

91 75.1 58.4 87.6

206 19.4 16.1 24.1



#81

Benzo(a)anthracene

Concen: 4.863 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

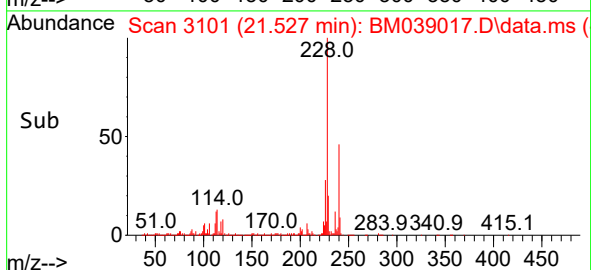
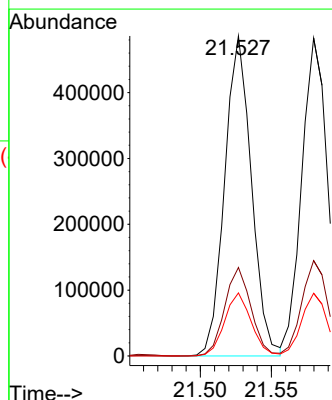
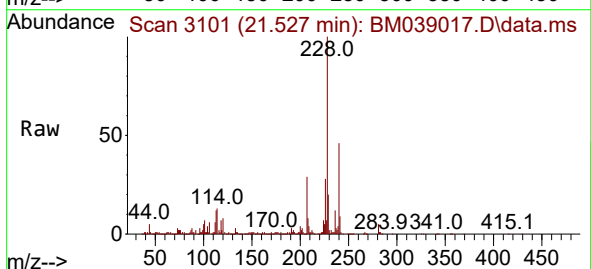
Tgt Ion:228 Resp: 636079

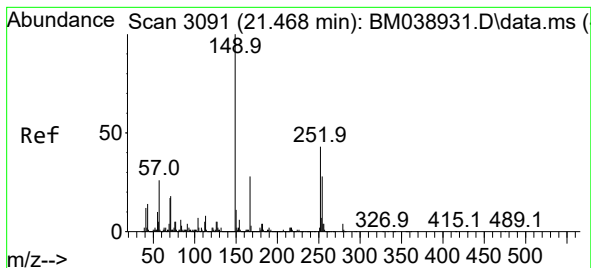
Ion Ratio Lower Upper

228 100

226 27.6 21.4 32.2

229 19.7 15.7 23.5

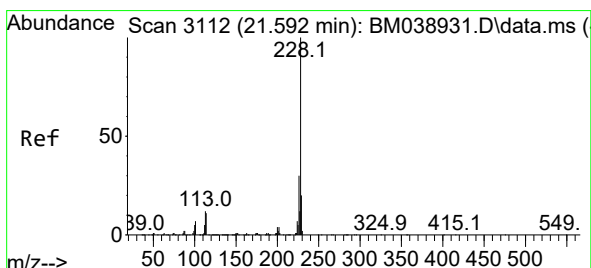
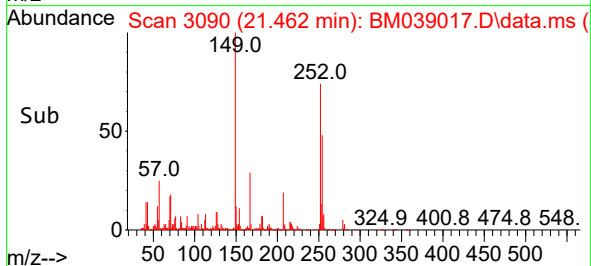
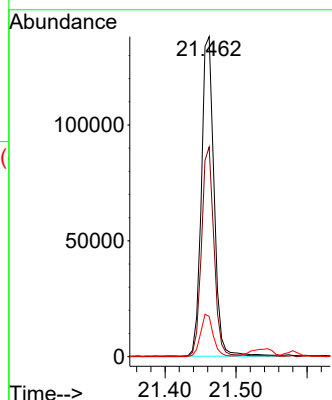
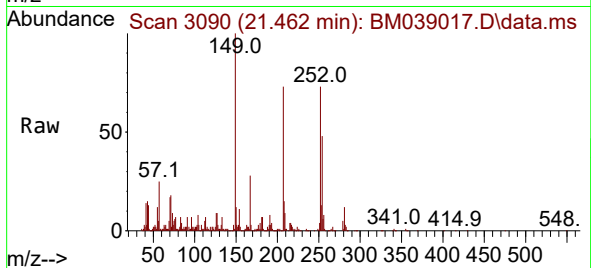




#82
3,3'-Dichlorobenzidine
Concen: 4.265 ng
RT: 21.462 min Scan# 3091
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

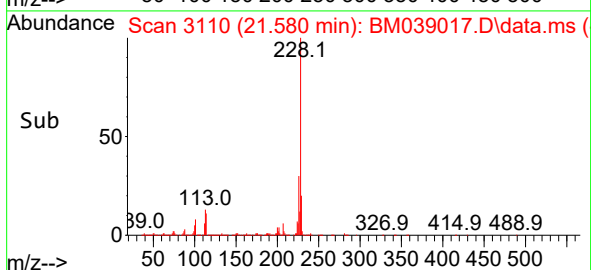
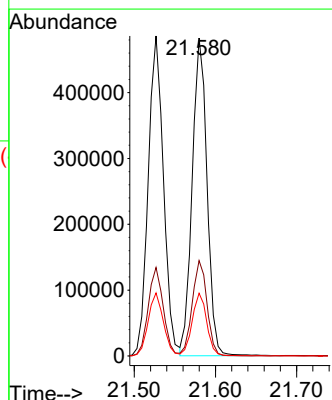
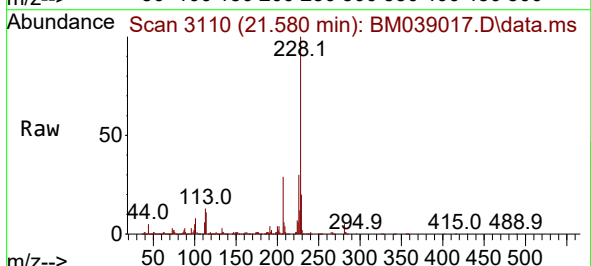
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

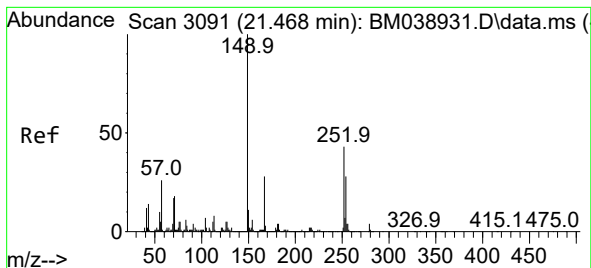
Tgt Ion:252 Resp: 171430
Ion Ratio Lower Upper
252 100
254 65.6 51.5 77.3
126 12.6 9.9 14.9



#83
Chrysene
Concen: 4.830 ng
RT: 21.580 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:228 Resp: 614378
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 19.7 16.0 24.0

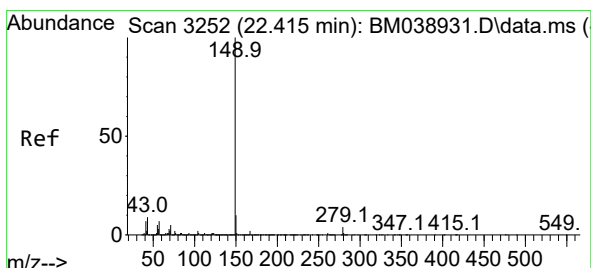
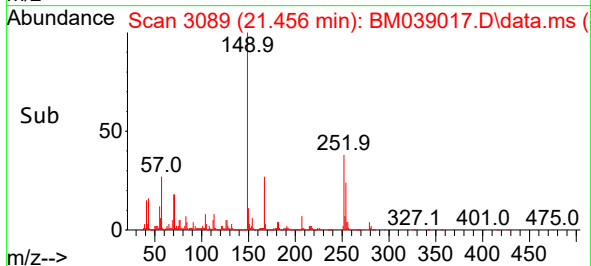
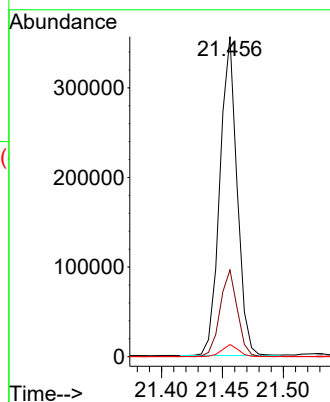
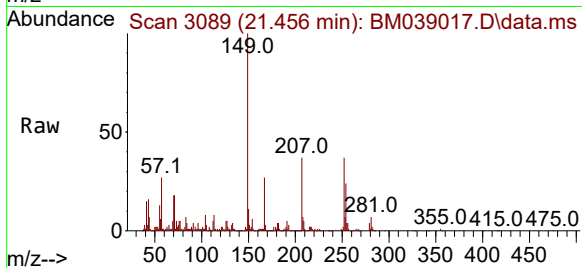




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.716 ng
RT: 21.456 min Scan# 3091
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

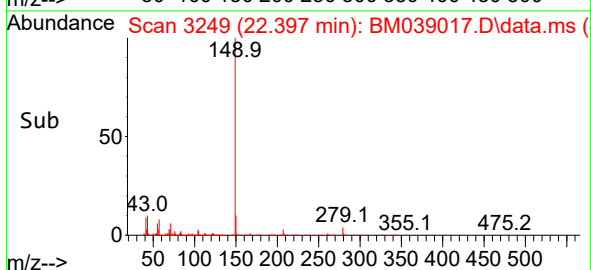
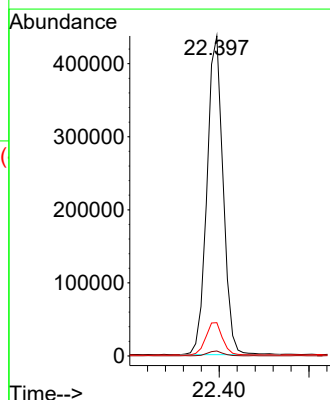
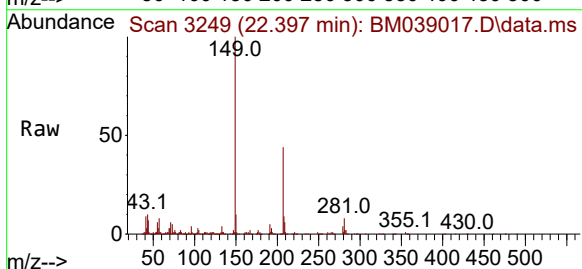
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

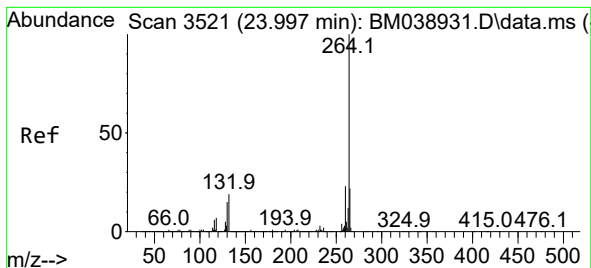
Tgt Ion:149 Resp: 350614
Ion Ratio Lower Upper
149 100
167 27.1 22.3 33.5
279 3.8 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 4.235 ng
RT: 22.397 min Scan# 3249
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:149 Resp: 543816
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.0 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.985 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

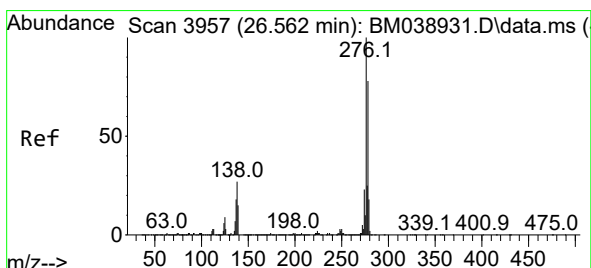
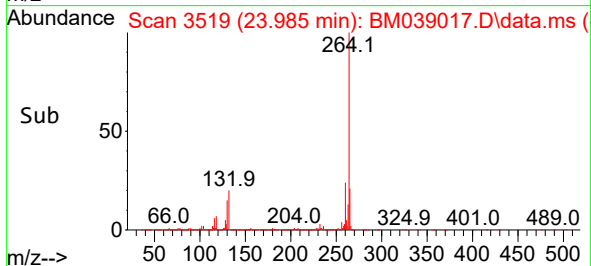
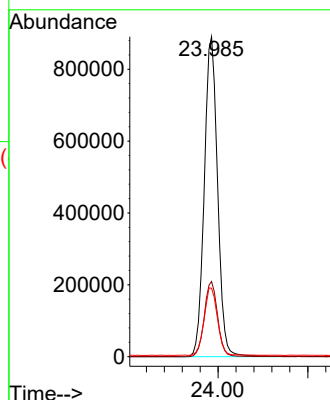
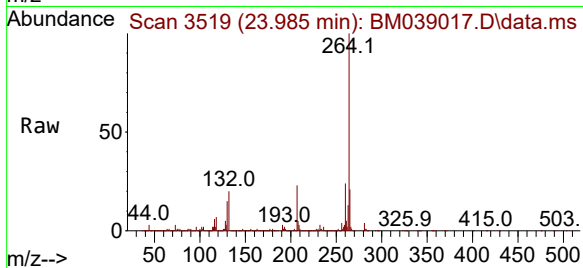
Tgt Ion:264 Resp: 1829537

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.4 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.298 ng

RT: 26.521 min Scan# 3950

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

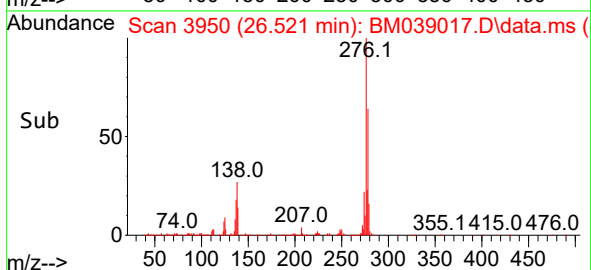
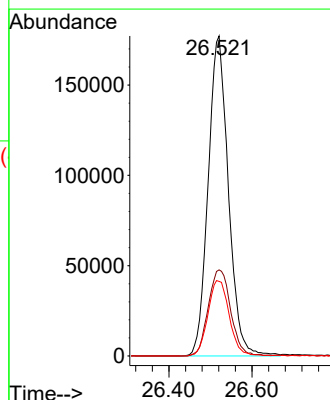
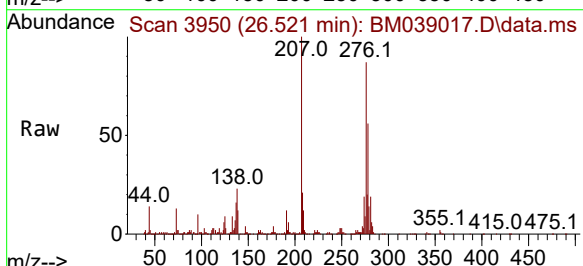
Tgt Ion:276 Resp: 598375

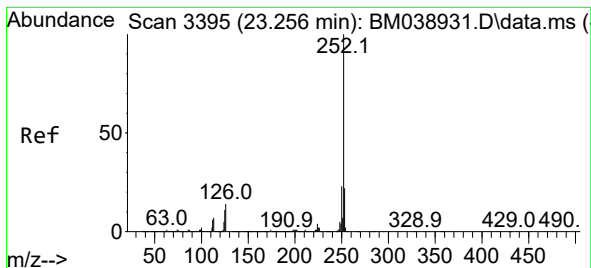
Ion Ratio Lower Upper

276 100

138 29.8 22.1 33.1

277 24.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.114 ng

RT: 23.238 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

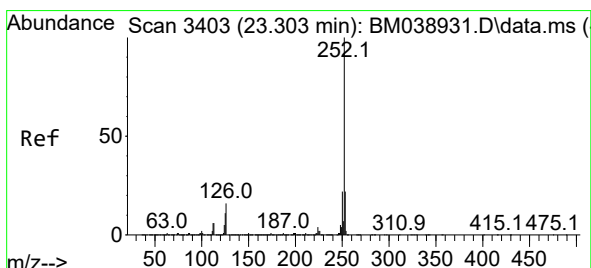
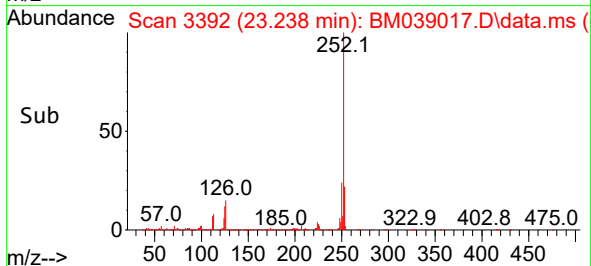
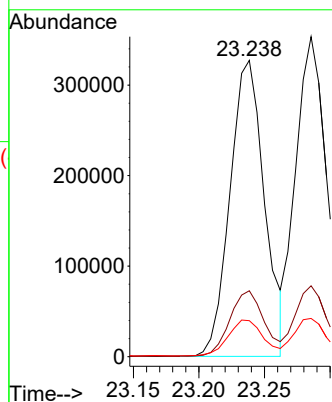
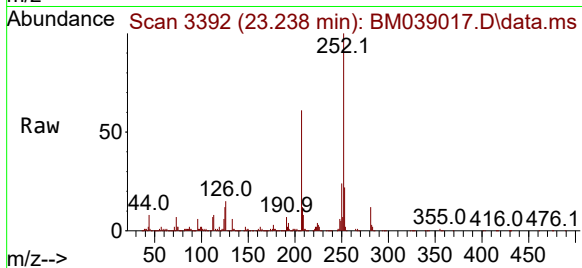
Tgt Ion:252 Resp: 597709

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 12.2 8.8 13.2



#89

Benzo(k)fluoranthene

Concen: 4.853 ng

RT: 23.285 min Scan# 3400

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

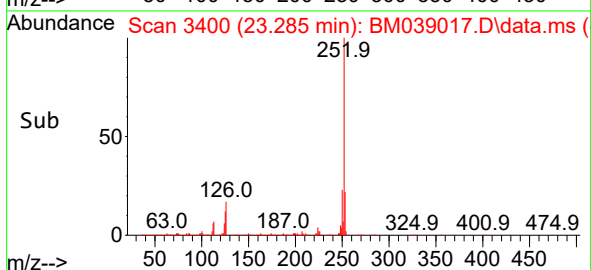
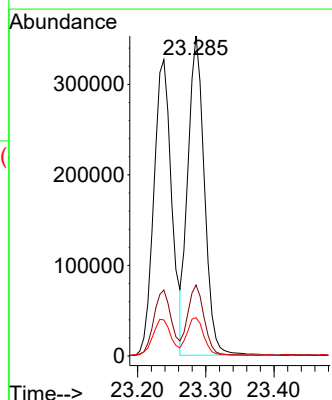
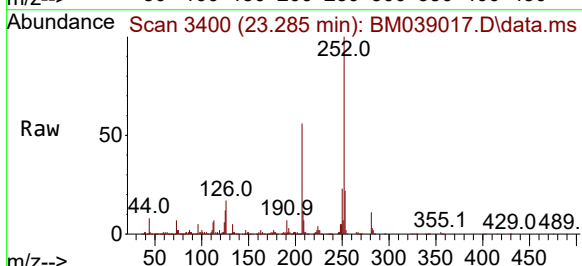
Tgt Ion:252 Resp: 590283

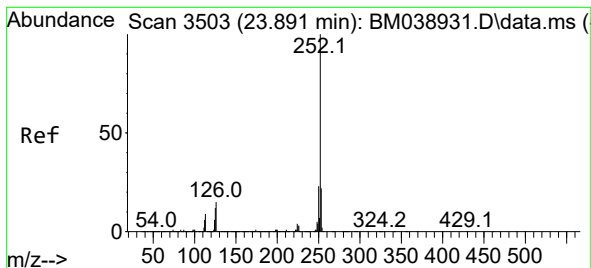
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 11.9 8.9 13.3





#90

Benzo(a)pyrene

Concen: 4.293 ng

RT: 23.874 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

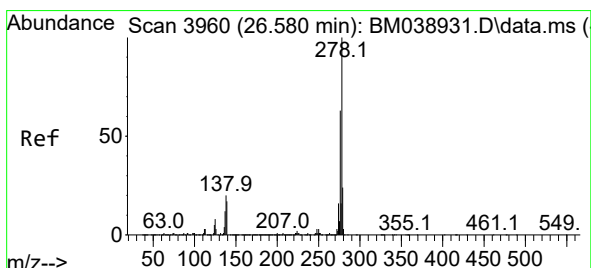
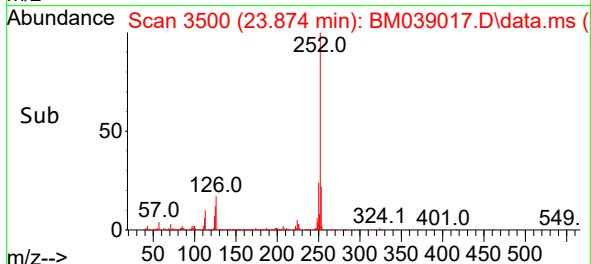
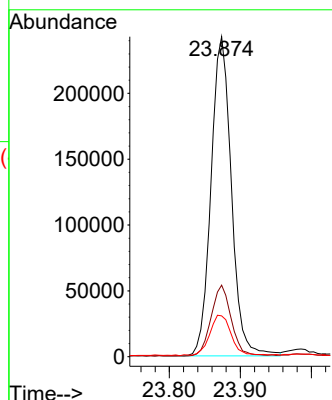
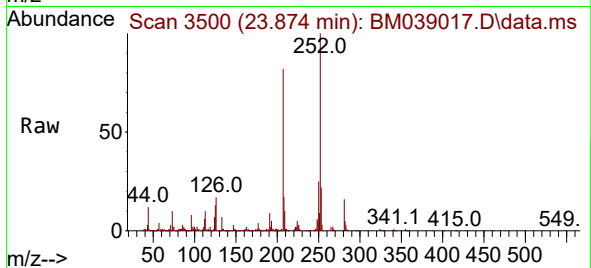
Tgt Ion:252 Resp: 482923

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 12.8 9.8 14.8



#91

Dibenzo(a,h)anthracene

Concen: 4.283 ng

RT: 26.538 min Scan# 3953

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

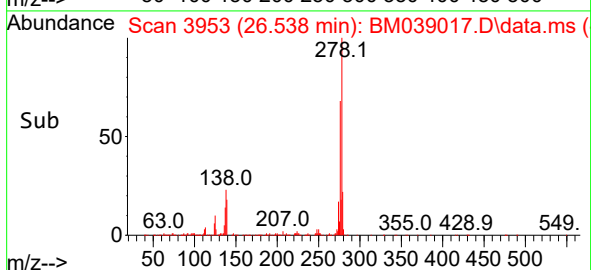
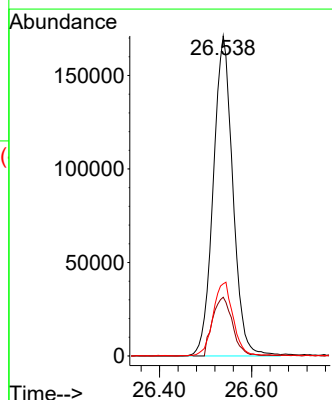
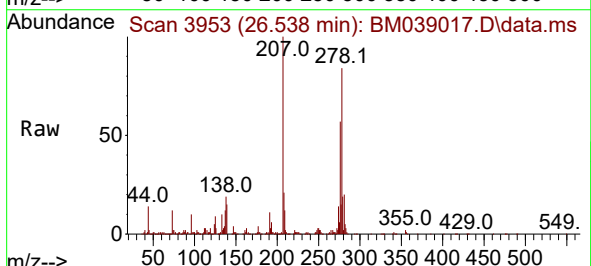
Tgt Ion:278 Resp: 504909

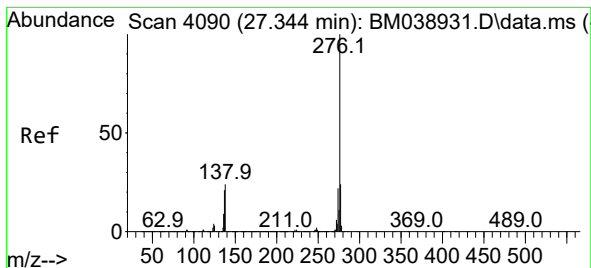
Ion Ratio Lower Upper

278 100

139 18.4 13.7 20.5

279 22.6 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 4.106 ng

RT: 27.297 min Scan# 40

Delta R.T. -0.006 min

Lab File: BM039017.D

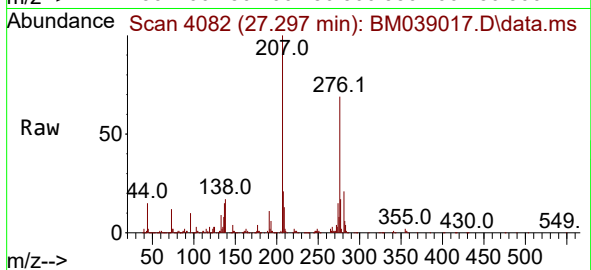
Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023



Tgt Ion:276 Resp: 473575

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 25.0 19.0 28.6

