

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038468.D
 Acq On : 17 Jan 2023 17:29
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 19 04:50:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	70616	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	251296	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	154394	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	348497	20.000	ng	0.00
76) Chrysene-d12	21.527	240	358011	20.000	ng	0.00
86) Perylene-d12	23.950	264	429290	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	374634	80.926	ng	-0.01
7) Phenol-d6	7.140	99	461351	77.798	ng	0.00
23) Nitrobenzene-d5	9.151	82	387188	62.779	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	194622	74.567	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	734987	59.368	ng	0.00
79) Terphenyl-d14	19.968	244	1273690	66.601	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	8750	4.136	ng	97
3) Pyridine	3.811	79	22397	3.660	ng	# 92
4) n-Nitrosodimethylamine	3.716	42	17585	4.856	ng	# 86
6) Aniline	7.304	93	33245	4.438	ng	94
8) 2-Chlorophenol	7.534	128	22402	4.888	ng	96
9) Benzaldehyde	7.116	77	20091	5.066	ng	91
10) Phenol	7.163	94	30602	4.952	ng	94
11) bis(2-Chloroethyl)ether	7.399	93	23615	4.715	ng	95
12) 1,3-Dichlorobenzene	7.863	146	24556	5.001	ng	97
13) 1,4-Dichlorobenzene	8.010	146	25442	5.150	ng	94
14) 1,2-Dichlorobenzene	8.328	146	24837	5.142	ng	96
15) Benzyl Alcohol	8.228	79	21250	4.474	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.498	45	36384	5.211	ng	97
17) 2-Methylphenol	8.422	107	17473	4.186	ng	97
18) Hexachloroethane	9.051	117	10137	5.010	ng	96
19) n-Nitroso-di-n-propyla...	8.787	70	19533	4.538	ng	99
20) 3+4-Methylphenols	8.751	107	23079	4.118	ng	94
22) Acetophenone	8.810	105	27629	3.720	ng	# 95
24) Nitrobenzene	9.193	77	30988	4.755	ng	96
25) Isophorone	9.716	82	48298	4.421	ng	98
26) 2-Nitrophenol	9.904	139	9392	4.105	ng	93
27) 2,4-Dimethylphenol	9.957	122	16606	4.263	ng	100
28) bis(2-Chloroethoxy)met...	10.198	93	28866	4.698	ng	94
29) 2,4-Dichlorophenol	10.440	162	18164	4.221	ng	92
30) 1,2,4-Trichlorobenzene	10.645	180	22811	4.583	ng	97
31) Naphthalene	10.840	128	60136	4.515	ng	98
32) Benzoic acid	10.034	122	5094	6.501	ng	# 84
33) 4-Chloroaniline	10.957	127	23310	3.988	ng	95
34) Hexachlorobutadiene	11.116	225	15978	4.578	ng	95
35) Caprolactam	11.739	113	3160	2.598	ng	# 83
36) 4-Chloro-3-methylphenol	12.075	107	19522	4.160	ng	96
37) 2-Methylnaphthalene	12.445	142	39437	4.050	ng	98
38) 1-Methylnaphthalene	12.663	142	38261	4.185	ng	95
40) 1,2,4,5-Tetrachloroben...	12.810	216	20937	3.623	ng	98
41) Hexachlorocyclopentadiene	12.781	237	14985	4.561	ng	98
43) 2,4,6-Trichlorophenol	13.051	196	15356	4.204	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038468.D
 Acq On : 17 Jan 2023 17:29
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 19 04:50:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

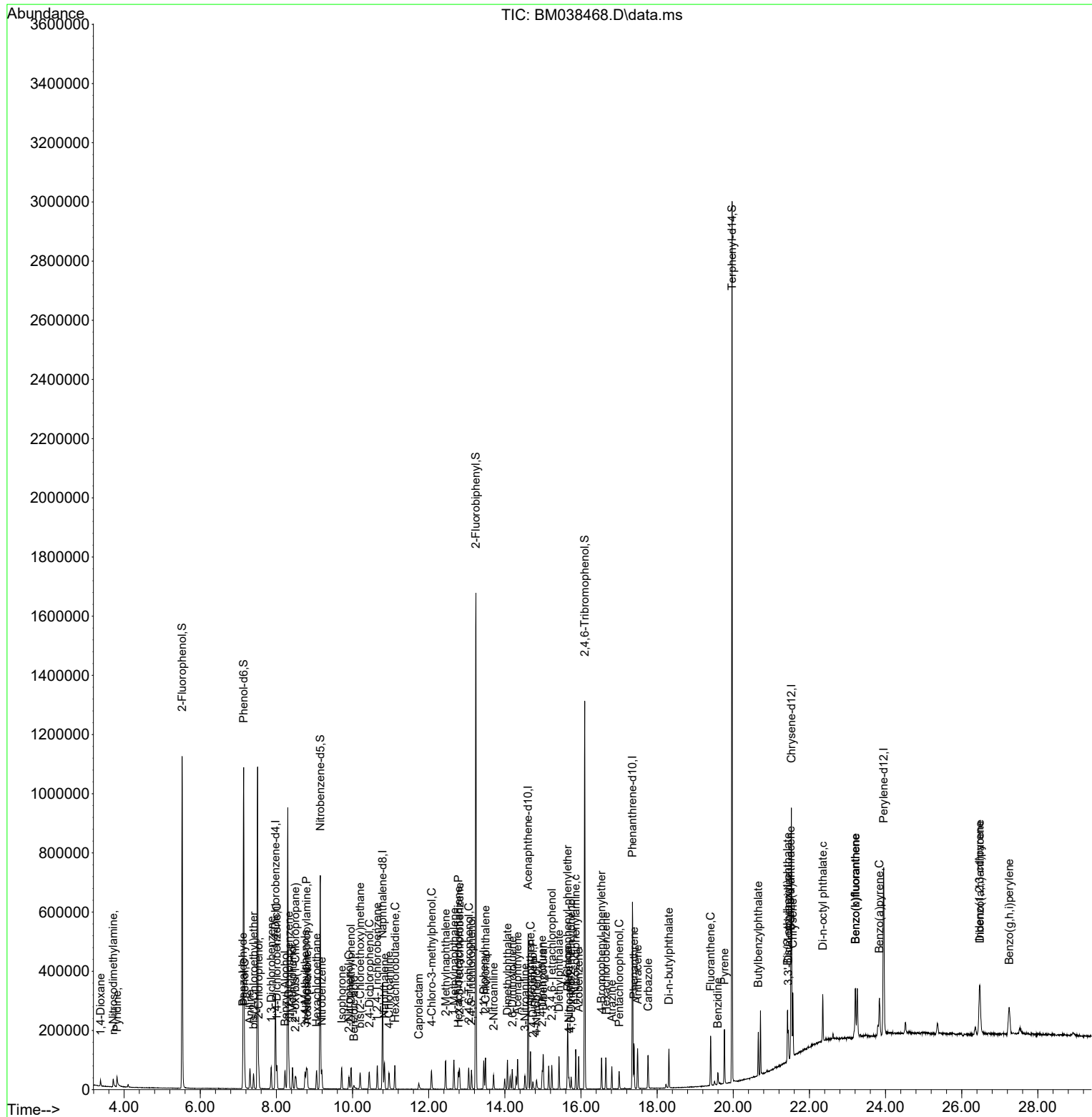
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.122	196	16504	3.832	ng	93
46) 1,1'-Biphenyl	13.445	154	43577	3.638	ng	98
47) 2-Chloronaphthalene	13.492	162	44000	4.667	ng	94
48) 2-Nitroaniline	13.704	65	13320	5.648	ng	98
49) Acenaphthylene	14.333	152	63240	4.255	ng	100
50) Dimethylphthalate	14.069	163	52833	4.222	ng	99
51) 2,6-Dinitrotoluene	14.198	165	9958	3.912	ng	95
52) Acenaphthene	14.675	154	39618	4.386	ng	99
53) 3-Nitroaniline	14.528	138	8741	5.597	ng	97
54) 2,4-Dinitrophenol	14.739	184	5235	7.817	ng	86
55) Dibenzofuran	15.010	168	64899	4.220	ng	97
56) 4-Nitrophenol	14.833	139	6658	6.673	ng	94
57) 2,4-Dinitrotoluene	14.980	165	12918	3.651	ng #	94
58) Fluorene	15.657	166	50298	3.914	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	14703	3.850	ng #	97
60) Diethylphthalate	15.422	149	52558	4.095	ng	96
61) 4-Chlorophenyl-phenyle...	15.645	204	28376	4.023	ng	97
62) 4-Nitroaniline	15.686	138	8142	5.497	ng	95
63) Azobenzene	15.939	77	59903	4.241	ng	98
65) 4,6-Dinitro-2-methylph...	15.739	198	7687	3.251	ng	91
66) n-Nitrosodiphenylamine	15.863	169	43176	4.222	ng	95
67) 4-Bromophenyl-phenylether	16.539	248	16391	4.066	ng	93
68) Hexachlorobenzene	16.657	284	19918	4.412	ng	97
69) Atrazine	16.810	200	12257	3.390	ng	97
70) Pentachlorophenol	17.004	266	10650	3.232	ng	94
71) Phenanthrene	17.392	178	82725	4.291	ng	98
72) Anthracene	17.486	178	81299	4.103	ng	99
73) Carbazole	17.763	167	70367	4.061	ng	99
74) Di-n-butylphthalate	18.310	149	83891	4.076	ng	98
75) Fluoranthene	19.404	202	95849	3.955	ng	97
77) Benzidine	19.592	184	29327	3.739	ng	99
78) Pyrene	19.768	202	101073	4.242	ng	98
80) Butylbenzylphthalate	20.657	149	35880	4.120	ng	90
81) Benzo(a)anthracene	21.509	228	114340	4.441	ng	98
82) 3,3'-Dichlorobenzidine	21.445	252	30655	3.697	ng	96
83) Chrysene	21.562	228	107916	4.313	ng	100
84) Bis(2-ethylhexyl)phtha...	21.427	149	51574	4.120	ng	96
85) Di-n-octyl phthalate	22.351	149	92610	4.204	ng	97
87) Indeno(1,2,3-cd)pyrene	26.468	276	130773	4.116	ng	98
88) Benzo(b)fluoranthene	23.209	252	120548	4.529	ng	97
89) Benzo(k)fluoranthene	23.209	252	120548	4.379	ng	98
90) Benzo(a)pyrene	23.839	252	102857	3.938	ng	99
91) Dibenzo(a,h)anthracene	26.480	278	112568	4.222	ng	97
92) Benzo(g,h,i)perylene	27.250	276	113694	4.298	ng #	97

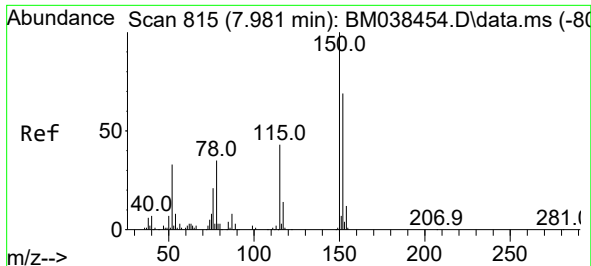
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
Data File : BM038468.D
Acq On : 17 Jan 2023 17:29
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Quant Time: Jan 19 04:50:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 03:06:05 2023
Response via : Initial Calibration

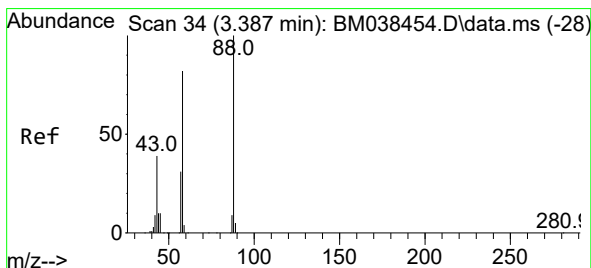
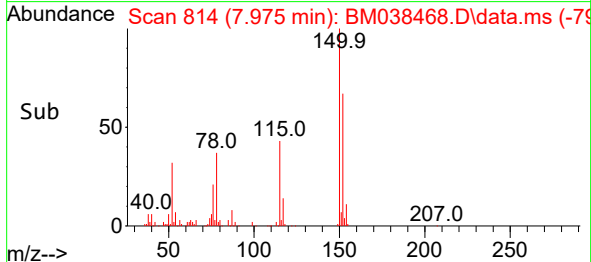
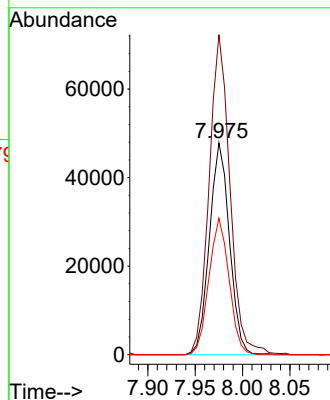
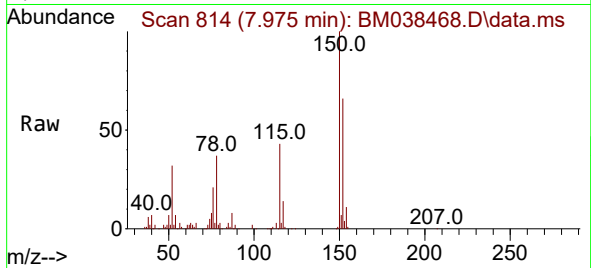




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

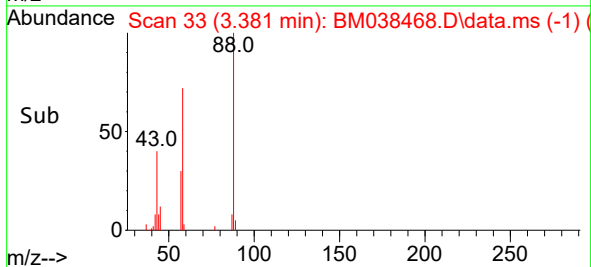
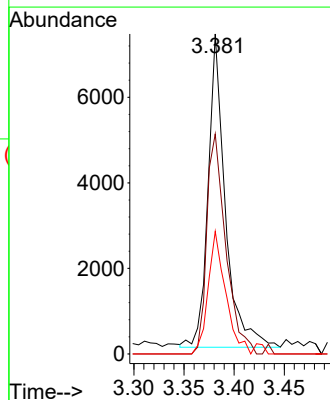
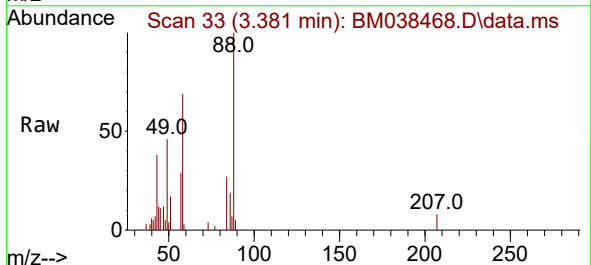
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

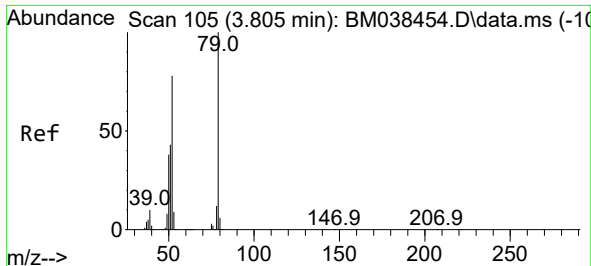
Tgt Ion:152 Resp: 70616
Ion Ratio Lower Upper
152 100
150 151.0 116.0 174.0
115 64.4 49.4 74.2



#2
1,4-Dioxane
Concen: 4.136 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion: 88 Resp: 8750
Ion Ratio Lower Upper
88 100
58 77.4 64.3 96.5
43 39.8 32.3 48.5

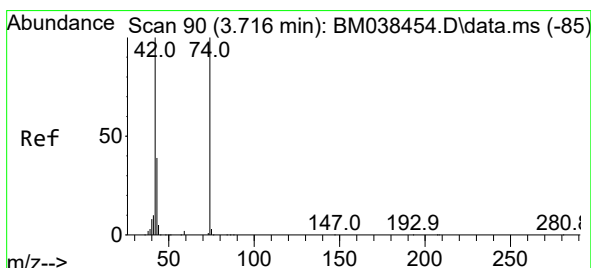
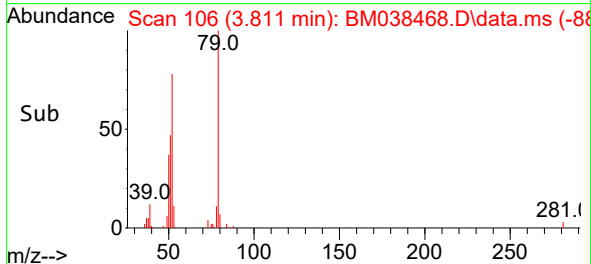
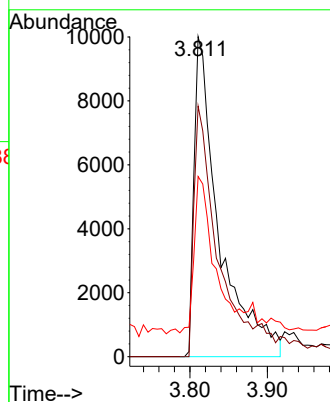
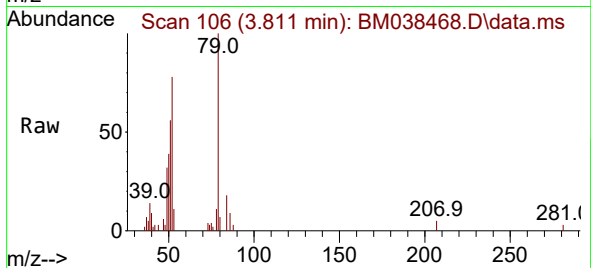




#3
Pyridine
Concen: 3.660 ng
RT: 3.811 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

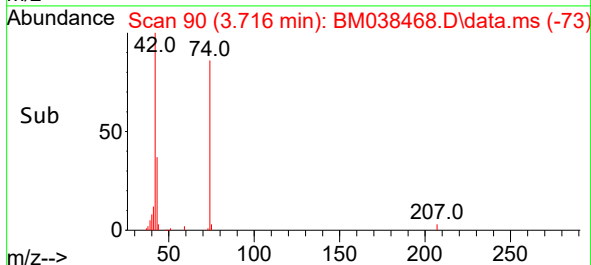
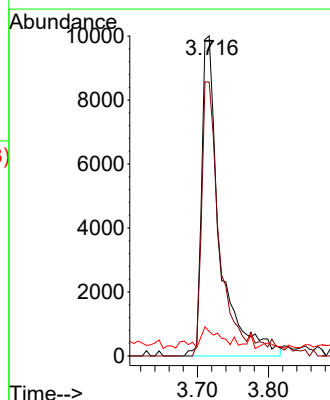
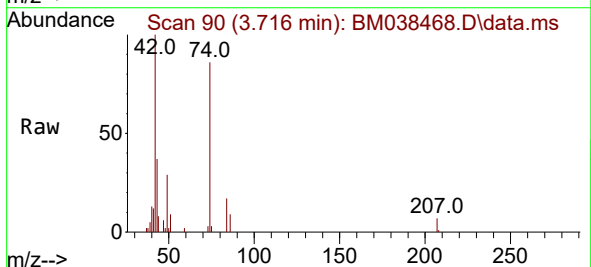
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

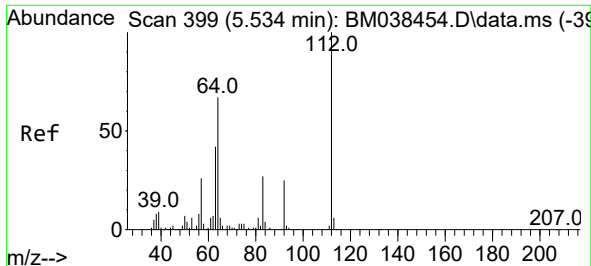
Tgt Ion: 79 Resp: 22397
Ion Ratio Lower Upper
79 100
52 78.3 62.2 93.2
51 56.3 34.8 52.2#



#4
n-Nitrosodimethylamine
Concen: 4.856 ng
RT: 3.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion: 42 Resp: 17585
Ion Ratio Lower Upper
42 100
74 85.6 79.7 119.5
44 7.6 4.7 7.1#

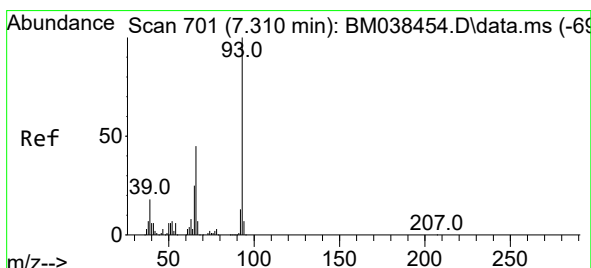
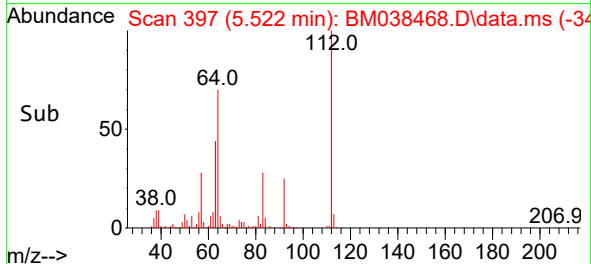
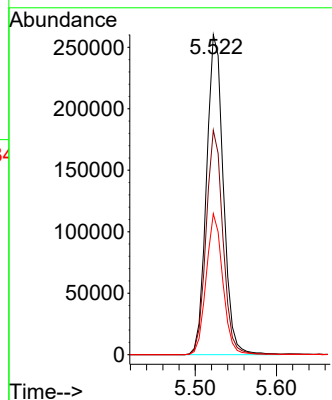
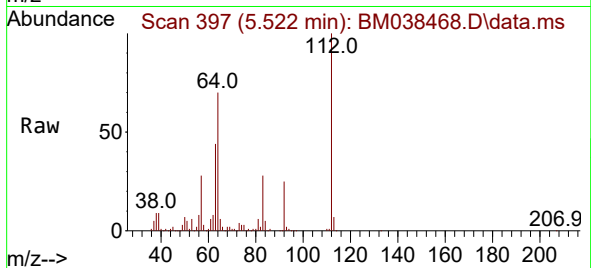




#5
2-Fluorophenol
Concen: 80.926 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

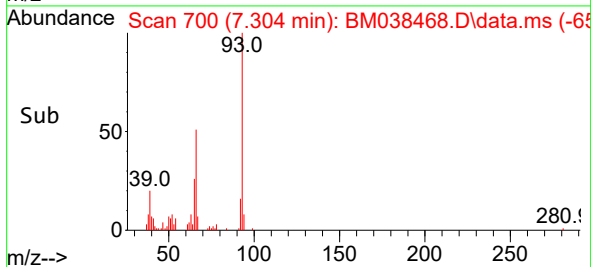
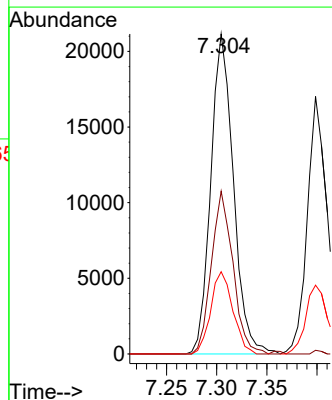
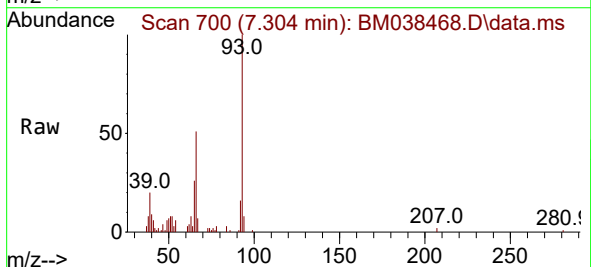
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

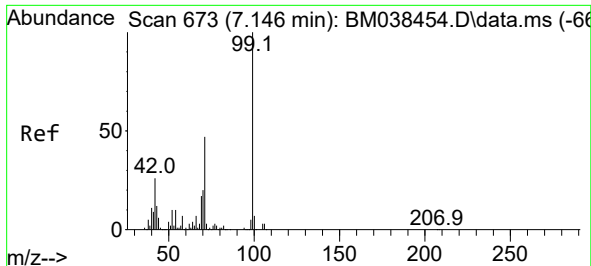
Tgt Ion:112 Resp: 374634
Ion Ratio Lower Upper
112 100
64 70.1 53.7 80.5
63 44.0 33.7 50.5



#6
Aniline
Concen: 4.438 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion: 93 Resp: 33245
Ion Ratio Lower Upper
93 100
66 50.8 36.2 54.2
65 25.7 19.8 29.8

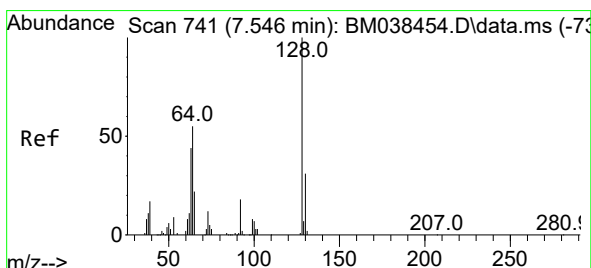
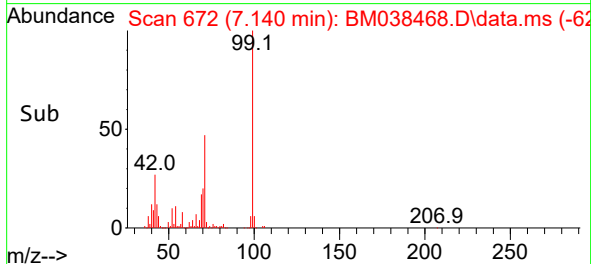
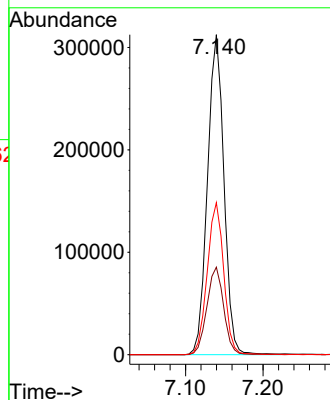
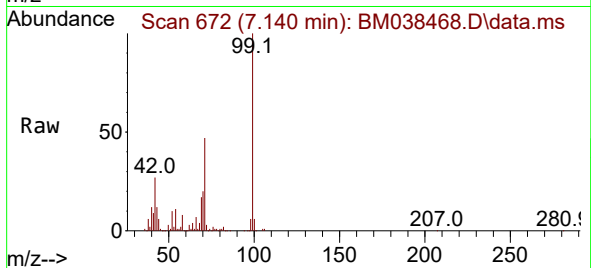




#7
Phenol-d6
Concen: 77.798 ng
RT: 7.140 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

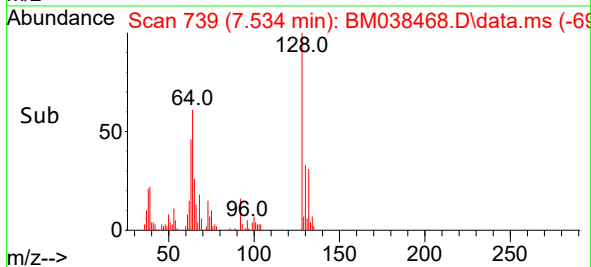
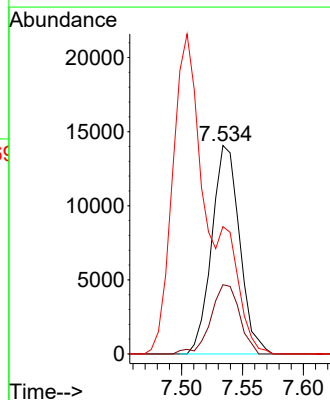
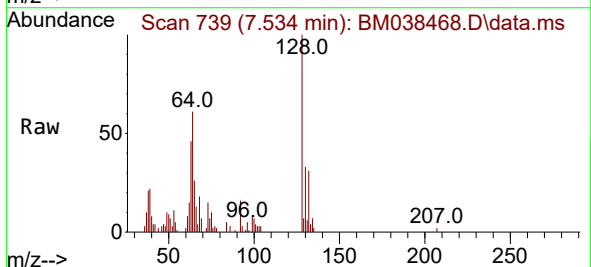
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

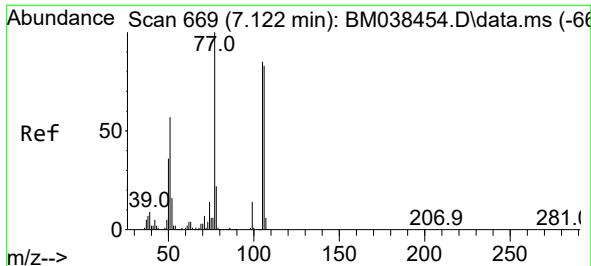
Tgt Ion: 99 Resp: 461351
Ion Ratio Lower Upper
99 100
42 27.4 20.8 31.2
71 47.5 37.8 56.8



#8
2-Chlorophenol
Concen: 4.888 ng
RT: 7.534 min Scan# 739
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion: 128 Resp: 22402
Ion Ratio Lower Upper
128 100
130 33.3 11.5 51.5
64 61.1 38.0 78.0

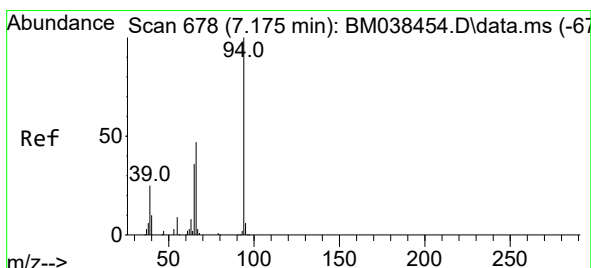
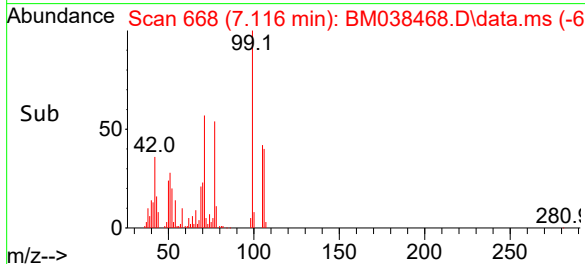
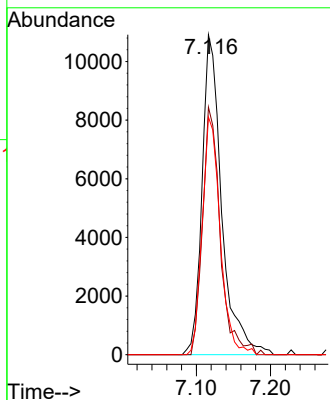
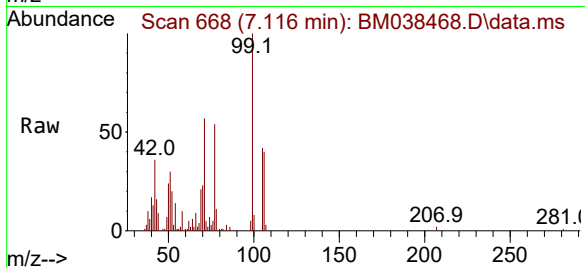




#9
Benzaldehyde
Concen: 5.066 ng
RT: 7.116 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

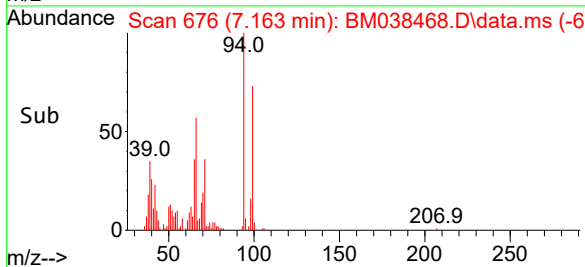
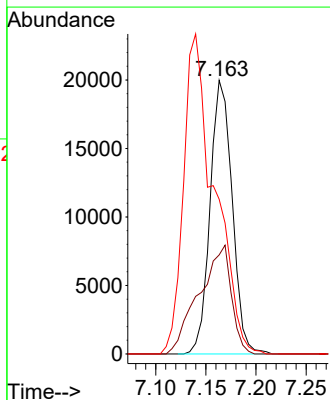
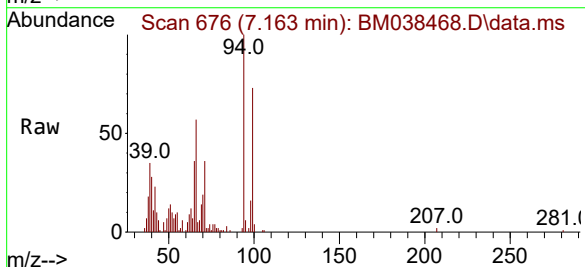
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

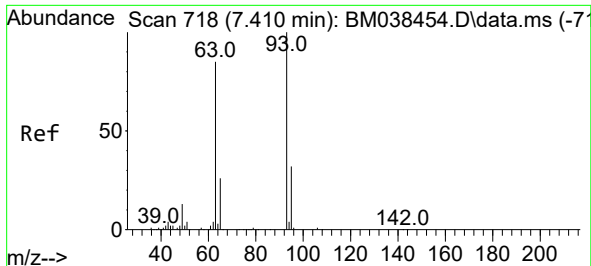
Tgt Ion: 77 Resp: 20091
Ion Ratio Lower Upper
77 100
105 77.3 65.3 105.3
106 74.2 62.5 102.5



#10
Phenol
Concen: 4.952 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion: 94 Resp: 30602
Ion Ratio Lower Upper
94 100
65 36.2 16.3 56.3
66 56.5 29.2 69.2

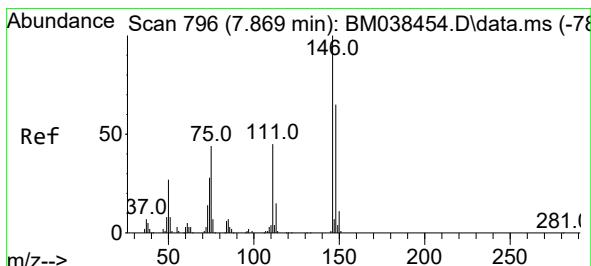
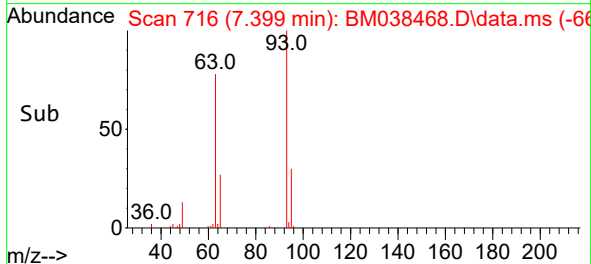
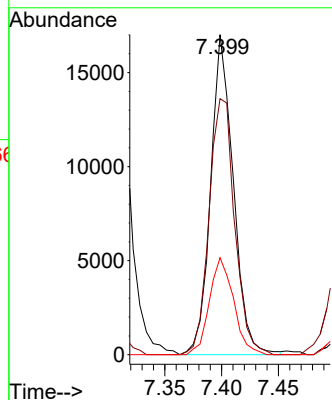
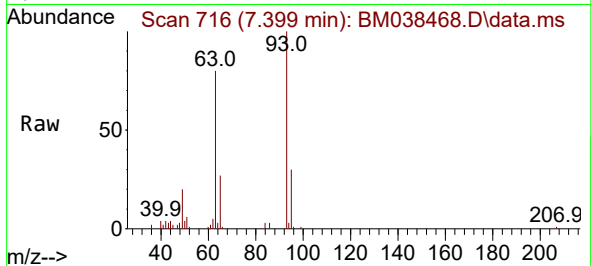




#11
bis(2-Chloroethyl)ether
Concen: 4.715 ng
RT: 7.399 min Scan# 718
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

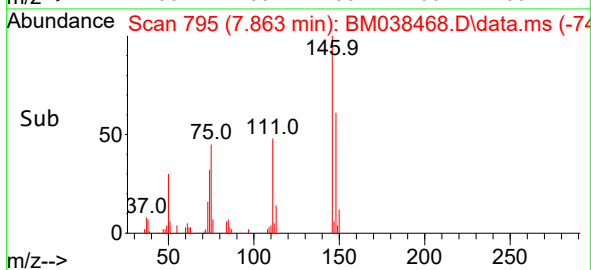
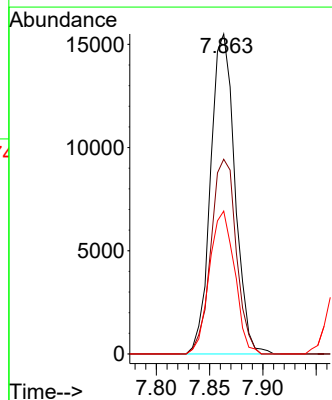
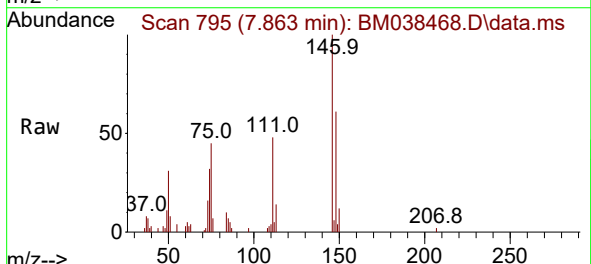
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

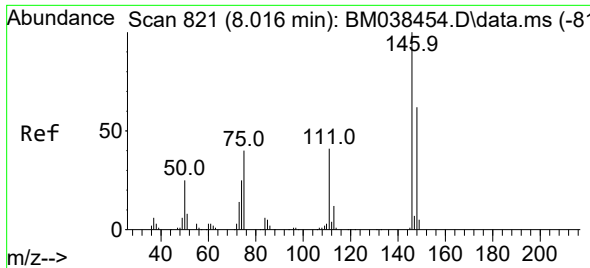
Tgt Ion: 93 Resp: 23615
Ion Ratio Lower Upper
93 100
63 80.0 64.6 104.6
95 30.3 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 5.001 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:146 Resp: 24556
Ion Ratio Lower Upper
146 100
148 60.9 51.8 77.8
75 44.6 35.1 52.7

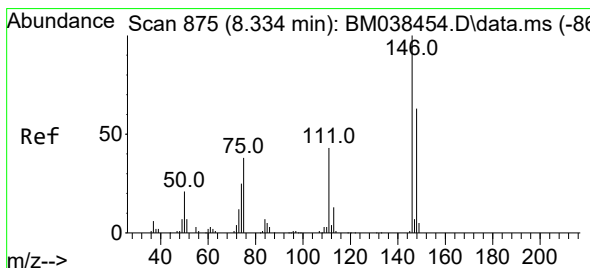
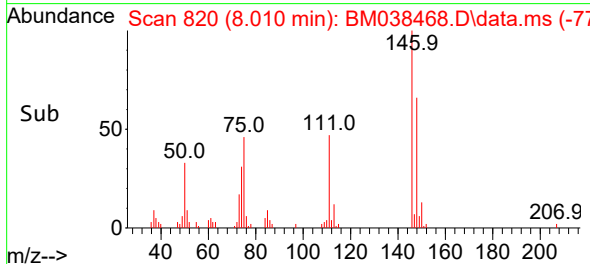
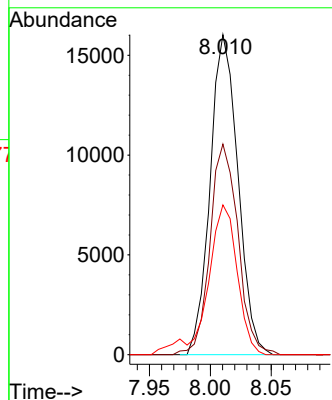
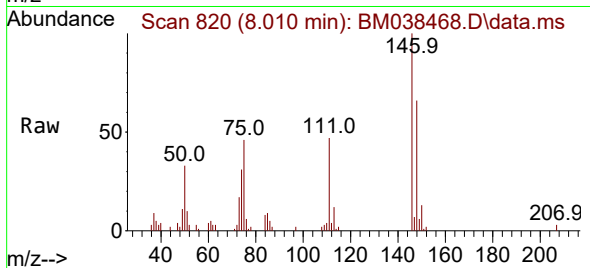




#13
1,4-Dichlorobenzene
Concen: 5.150 ng
RT: 8.010 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

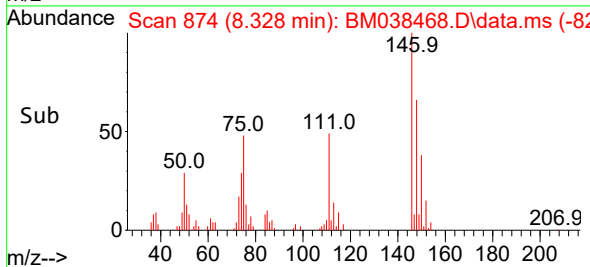
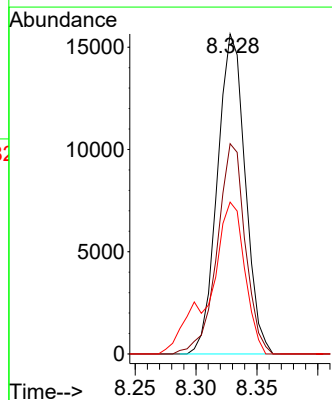
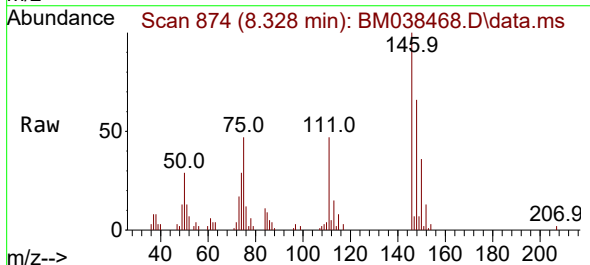
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

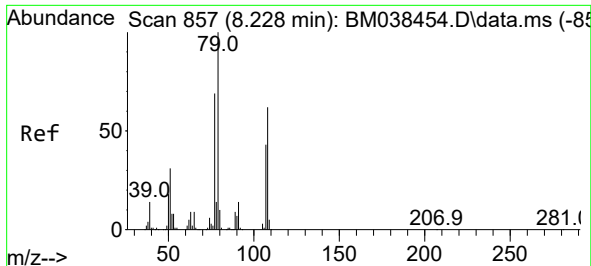
Tgt Ion:146 Resp: 25442
Ion Ratio Lower Upper
146 100
148 65.8 50.1 75.1
111 46.8 32.8 49.2



#14
1,2-Dichlorobenzene
Concen: 5.142 ng
RT: 8.328 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:146 Resp: 24837
Ion Ratio Lower Upper
146 100
148 65.7 50.7 76.1
111 47.5 35.2 52.8

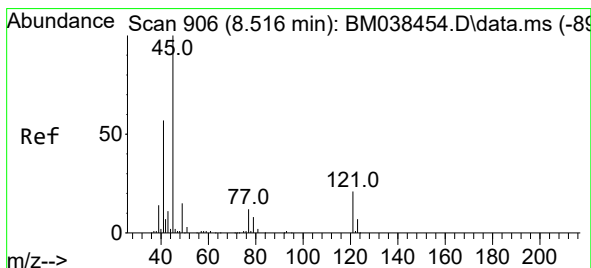
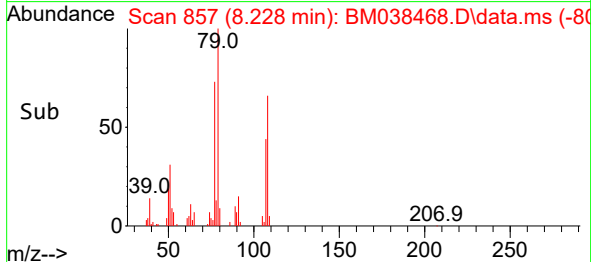
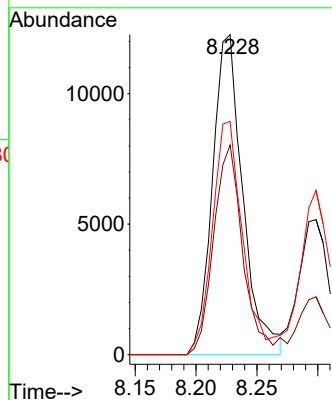
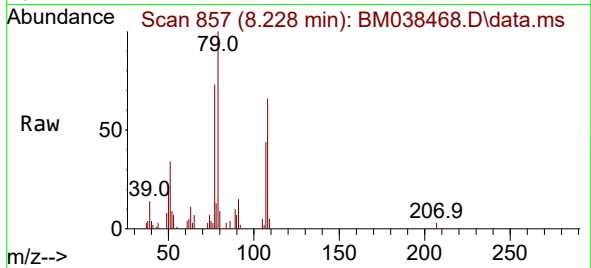




#15
Benzyl Alcohol
Concen: 4.474 ng
RT: 8.228 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

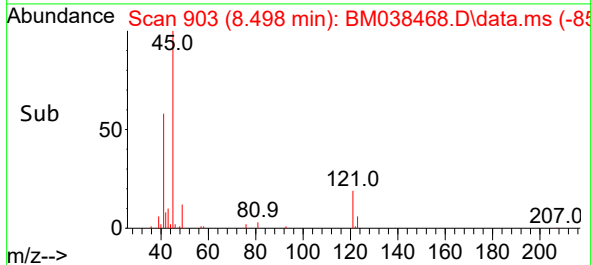
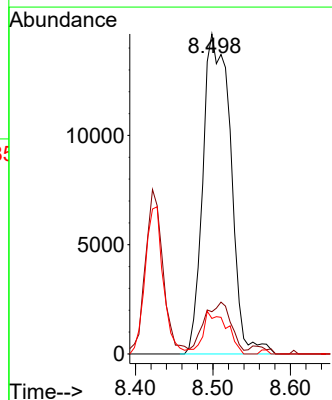
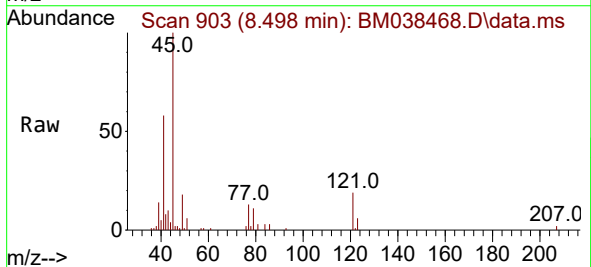
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

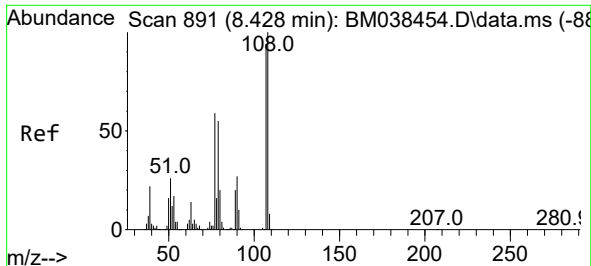
Tgt Ion: 79 Resp: 21250
Ion Ratio Lower Upper
79 100
108 65.5 49.3 73.9
77 72.9 55.1 82.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.211 ng
RT: 8.498 min Scan# 903
Delta R.T. -0.018 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion: 45 Resp: 36384
Ion Ratio Lower Upper
45 100
77 13.2 0.0 34.7
79 11.1 0.0 30.4

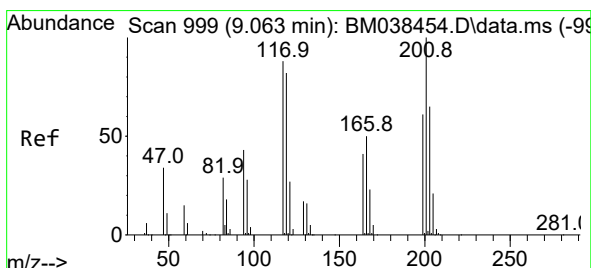
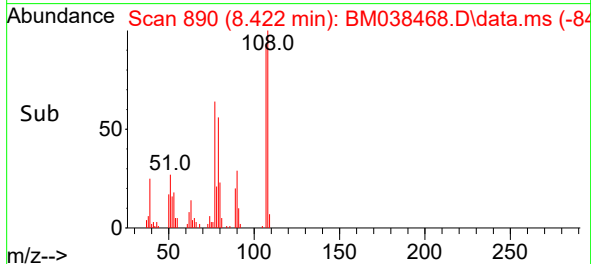
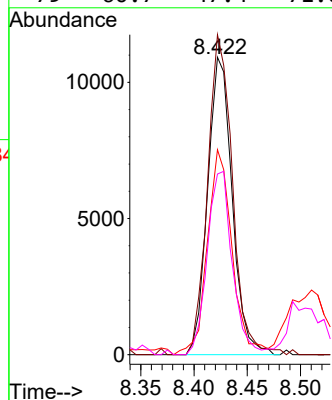
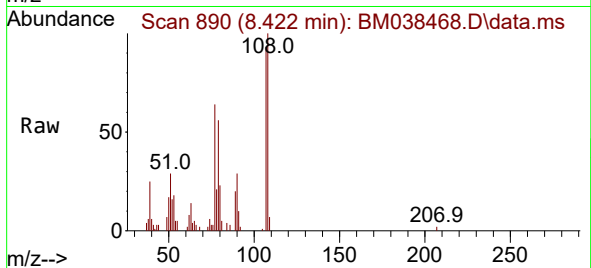




#17
2-Methylphenol
Concen: 4.186 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

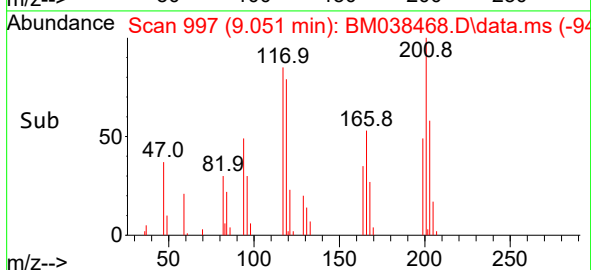
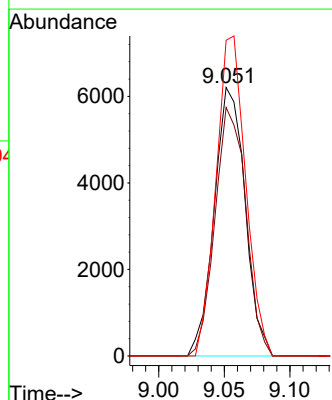
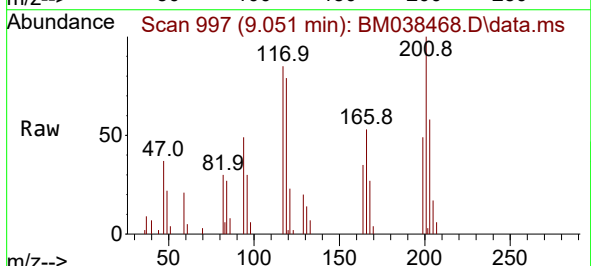
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

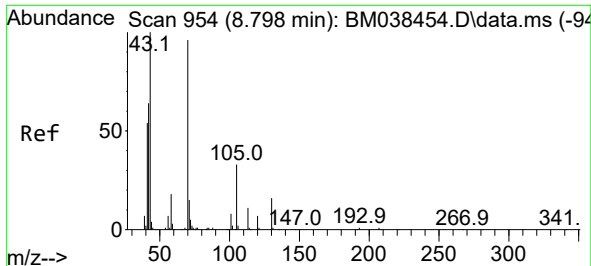
Tgt Ion:	107	Resp:	17473
Ion	Ratio	Lower	Upper
107	100		
108	107.6	85.7	128.5
77	68.9	50.5	75.7
79	60.7	47.4	71.0



#18
Hexachloroethane
Concen: 5.010 ng
RT: 9.051 min Scan# 997
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:	117	Resp:	10137
Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.5	111.7
201	121.5	91.3	136.9

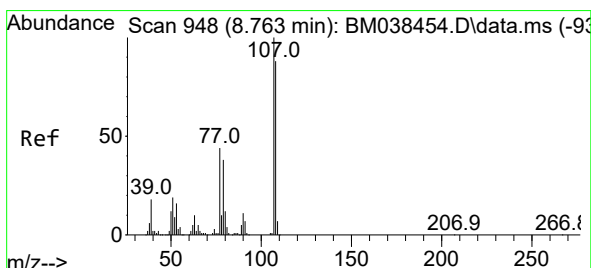
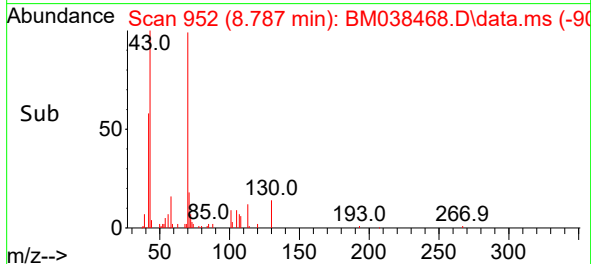
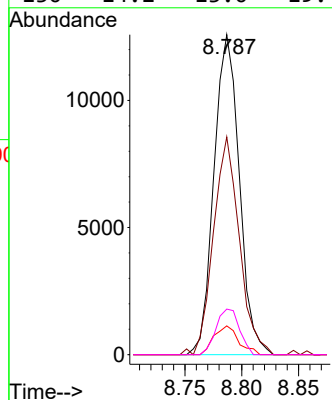
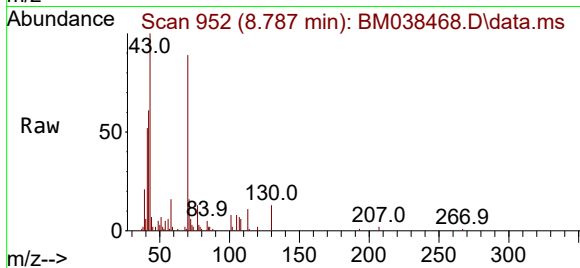




#19
n-Nitroso-di-n-propylamine
Concen: 4.538 ng
RT: 8.787 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

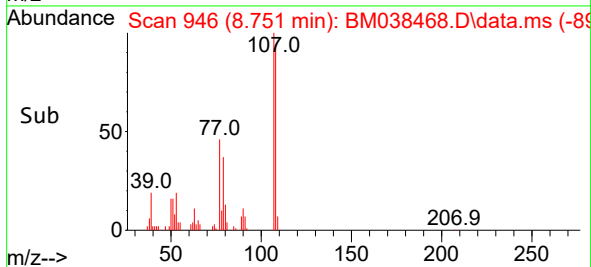
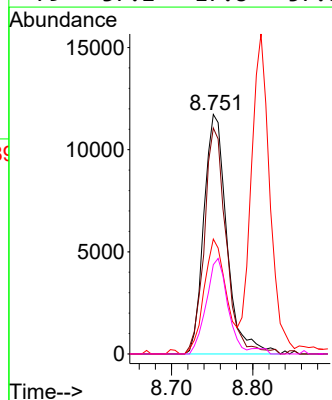
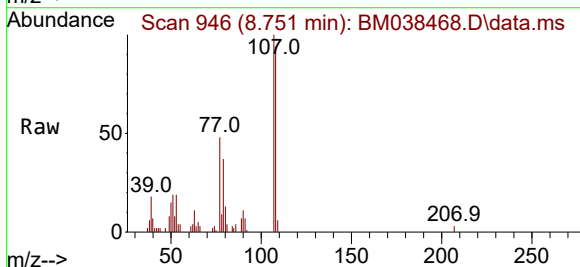
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

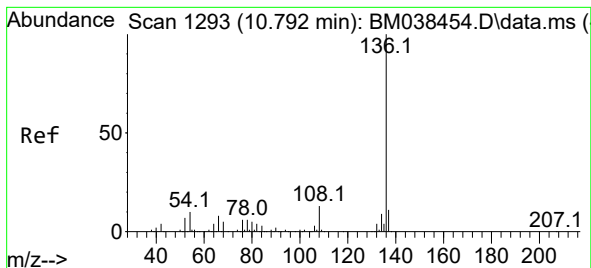
Tgt Ion:	70	Resp:	19533
Ion	Ratio	Lower	Upper
70	100		
42	68.1	54.2	81.2
101	9.0	6.6	10.0
130	14.2	13.0	19.4



#20
3+4-Methylphenols
Concen: 4.118 ng
RT: 8.751 min Scan# 946
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:	107	Resp:	23079
Ion	Ratio	Lower	Upper
107	100		
108	94.3	67.6	107.6
77	48.0	24.1	64.1
79	37.2	17.8	57.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.787 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BM038468.D

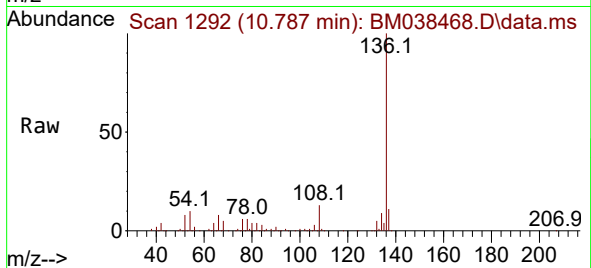
Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 251296

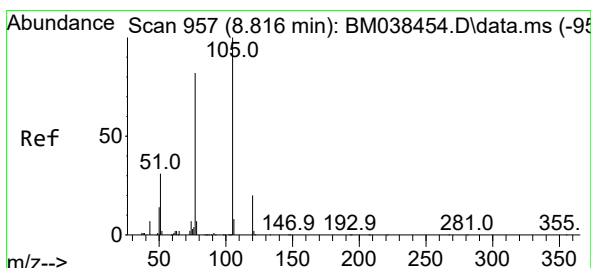
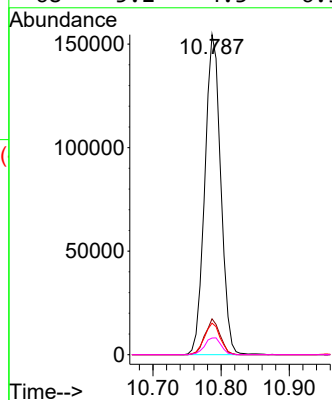
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 9.9 7.6 11.4

68 5.2 4.3 6.5



#22

Acetophenone

Concen: 3.720 ng

RT: 8.810 min Scan# 956

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Tgt Ion:105 Resp: 27629

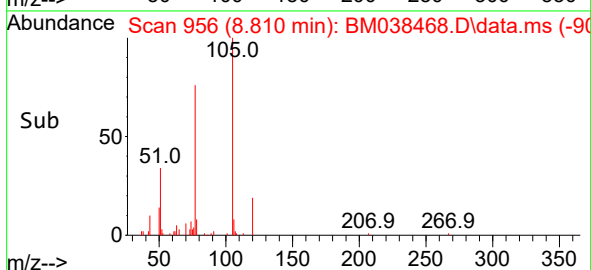
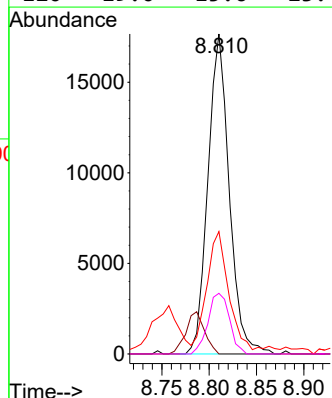
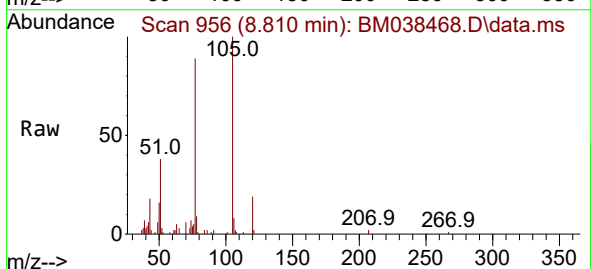
Ion Ratio Lower Upper

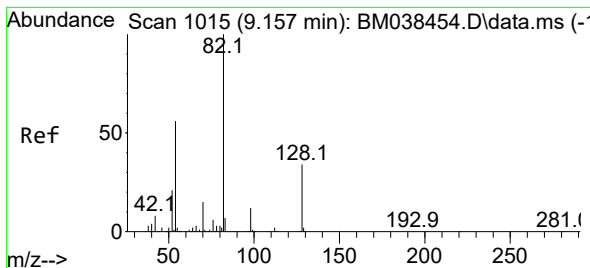
105 100

71 0.0 1.0 1.6

51 38.3 27.4 41.2

120 19.0 15.6 23.4





#23

Nitrobenzene-d5

Concen: 62.779 ng

RT: 9.151 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

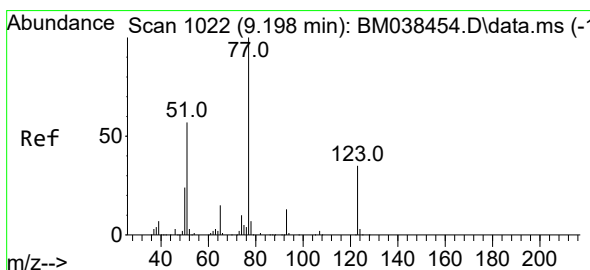
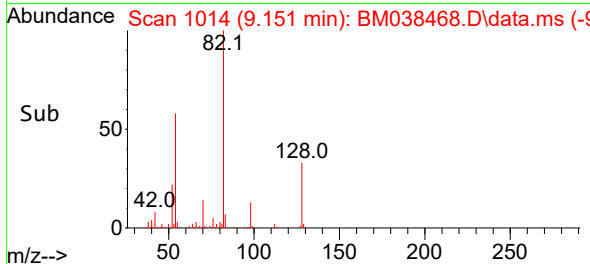
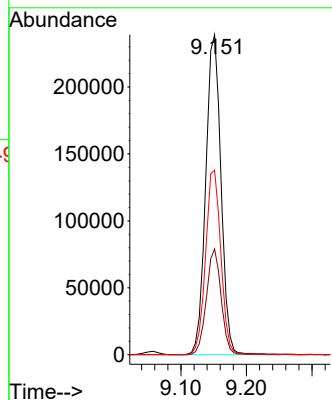
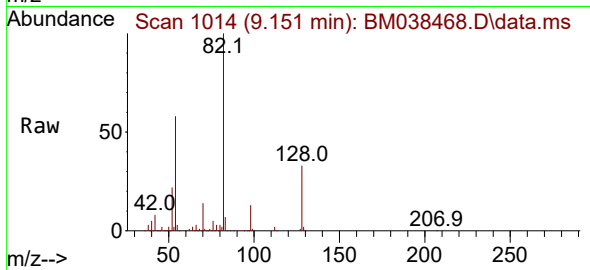
Tgt Ion: 82 Resp: 387188

Ion Ratio Lower Upper

82 100

128 33.1 27.0 40.6

54 57.7 45.0 67.6



#24

Nitrobenzene

Concen: 4.755 ng

RT: 9.193 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

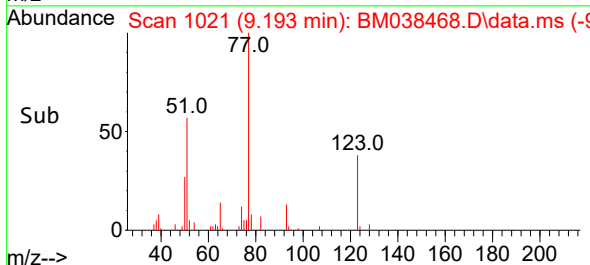
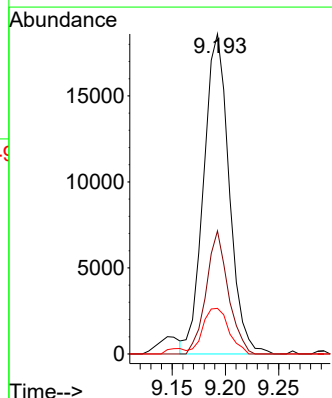
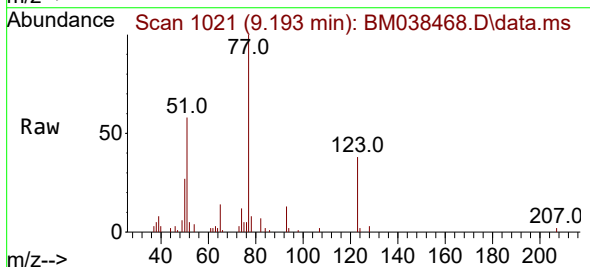
Tgt Ion: 77 Resp: 30988

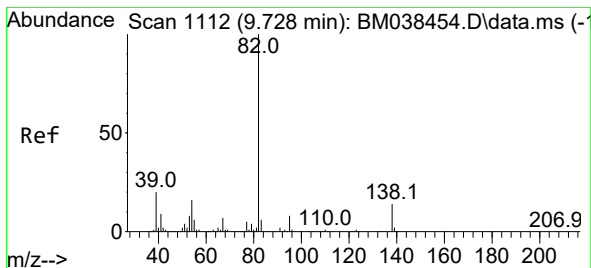
Ion Ratio Lower Upper

77 100

123 38.5 28.2 42.4

65 14.3 12.1 18.1





#25

Isophorone

Concen: 4.421 ng

RT: 9.716 min Scan# 1110

Delta R.T. -0.012 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

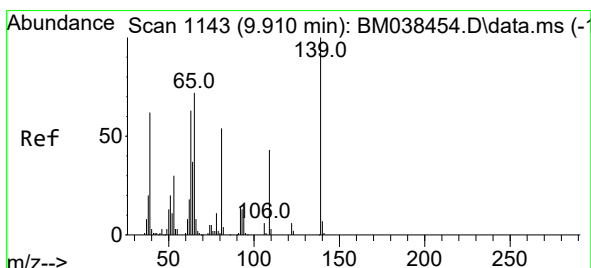
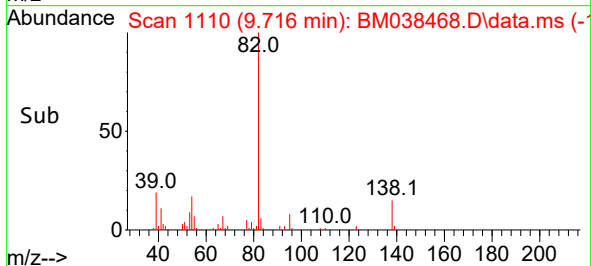
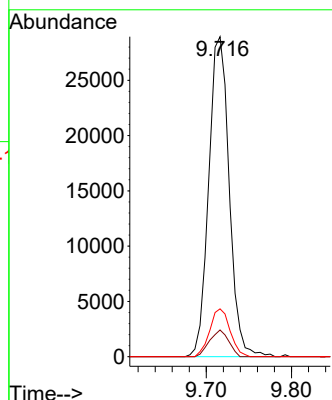
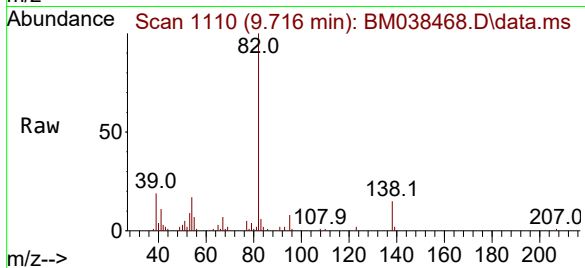
Tgt Ion: 82 Resp: 48298

Ion Ratio Lower Upper

82 100

95 8.3 6.1 9.1

138 14.9 11.5 17.3



#26

2-Nitrophenol

Concen: 4.105 ng

RT: 9.904 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

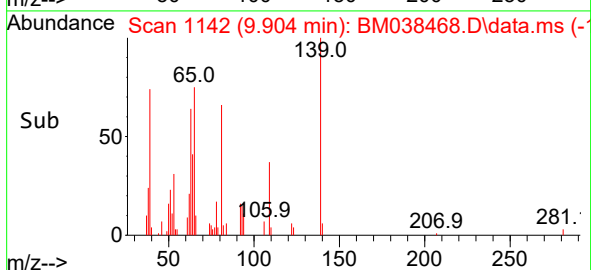
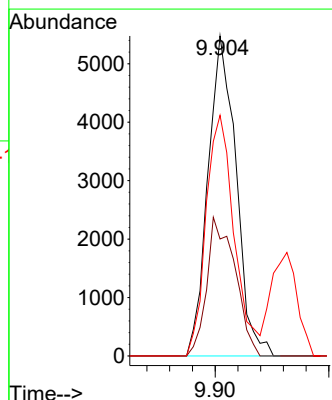
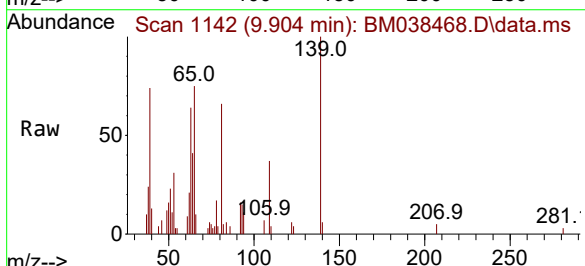
Tgt Ion: 139 Resp: 9392

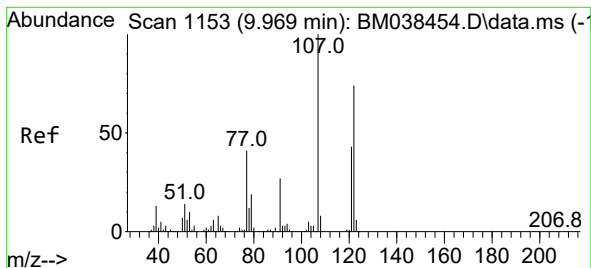
Ion Ratio Lower Upper

139 100

109 36.6 34.7 52.1

65 75.2 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 4.263 ng

RT: 9.957 min Scan# 1151

Delta R.T. -0.012 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

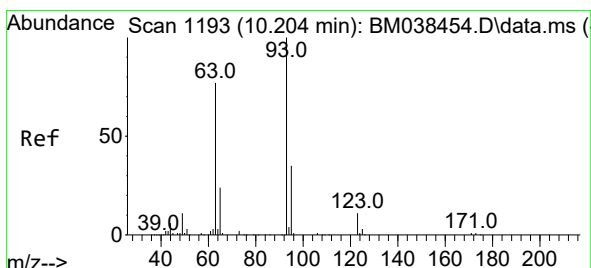
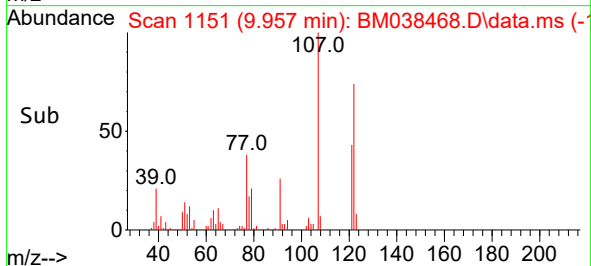
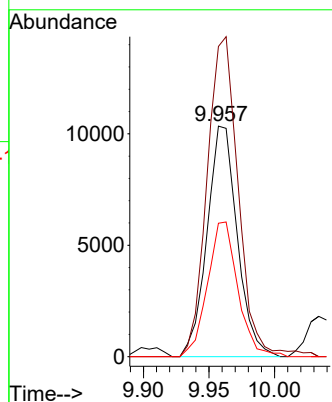
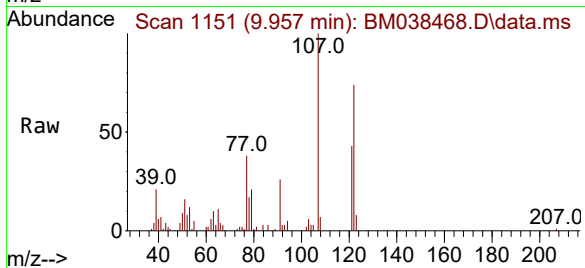
Tgt Ion:122 Resp: 16606

Ion Ratio Lower Upper

122 100

107 134.6 107.4 161.0

121 57.9 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.698 ng

RT: 10.198 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

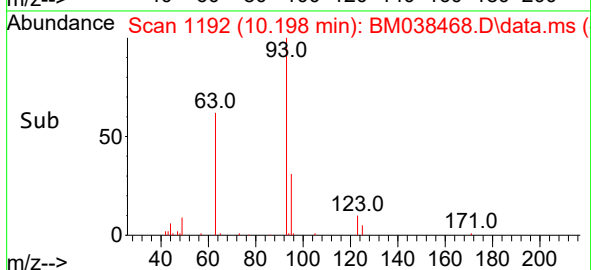
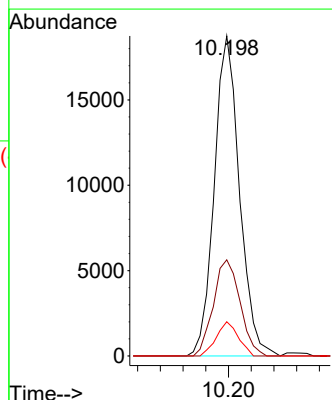
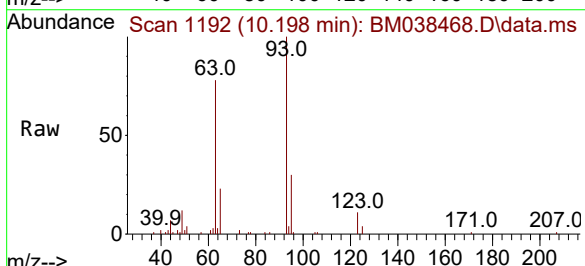
Tgt Ion: 93 Resp: 28866

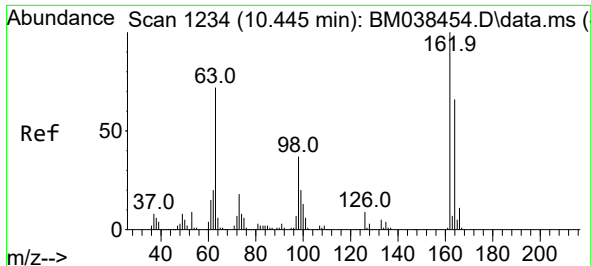
Ion Ratio Lower Upper

93 100

95 30.1 27.7 41.5

123 10.7 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 4.221 ng

RT: 10.440 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

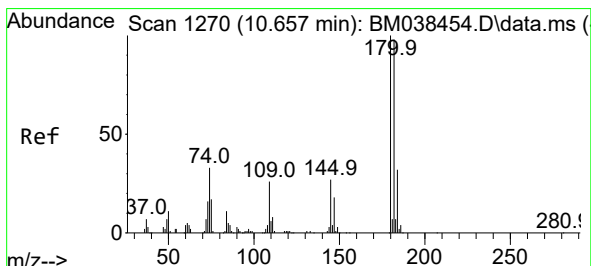
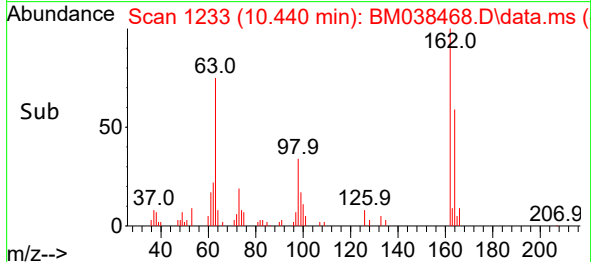
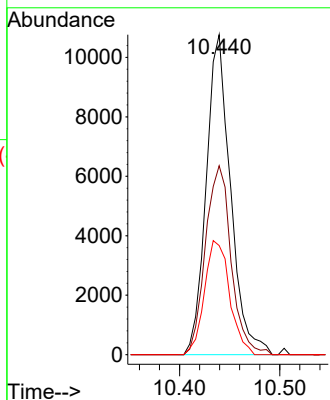
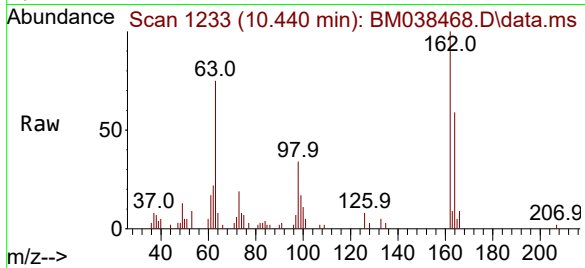
Tgt Ion:162 Resp: 18164

Ion Ratio Lower Upper

162 100

164 59.0 46.5 86.5

98 34.1 17.1 57.1



#30

1,2,4-Trichlorobenzene

Concen: 4.583 ng

RT: 10.645 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

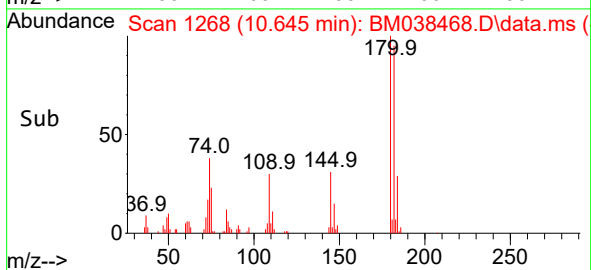
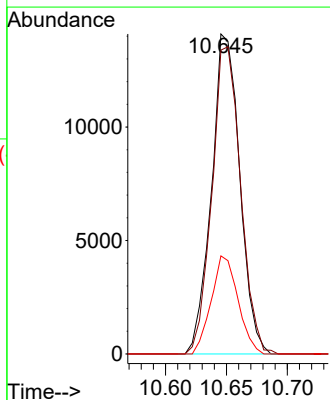
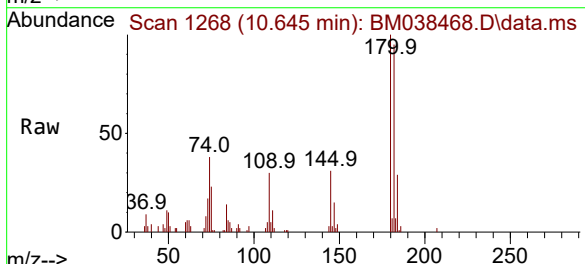
Tgt Ion:180 Resp: 22811

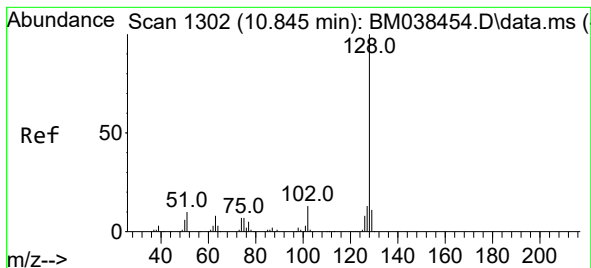
Ion Ratio Lower Upper

180 100

182 94.9 78.1 117.1

145 30.7 21.9 32.9





#31

Naphthalene

Concen: 4.515 ng

RT: 10.840 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

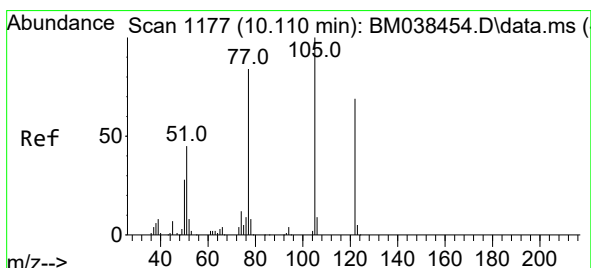
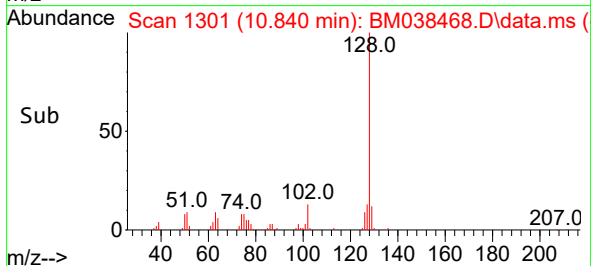
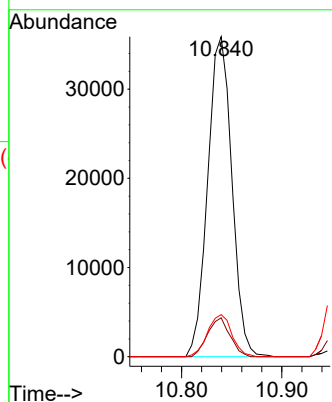
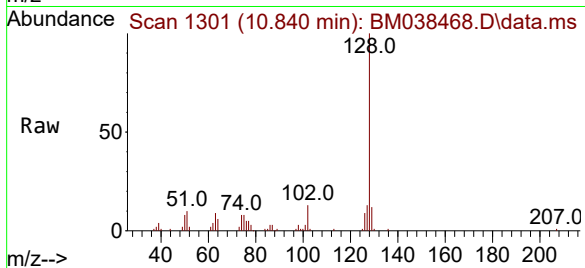
Tgt Ion:128 Resp: 60136

Ion Ratio Lower Upper

128 100

129 12.1 8.9 13.3

127 13.1 10.8 16.2



#32

Benzoic acid

Concen: 6.501 ng

RT: 10.034 min Scan# 1164

Delta R.T. -0.076 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

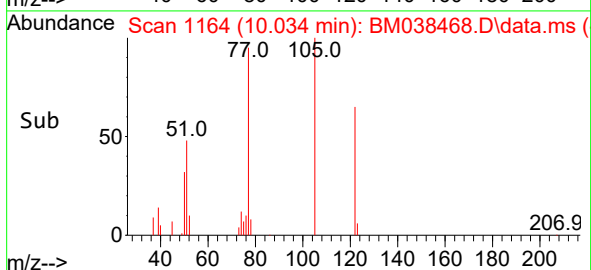
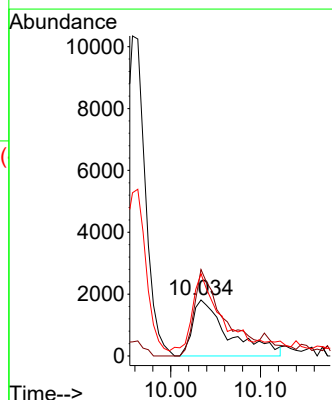
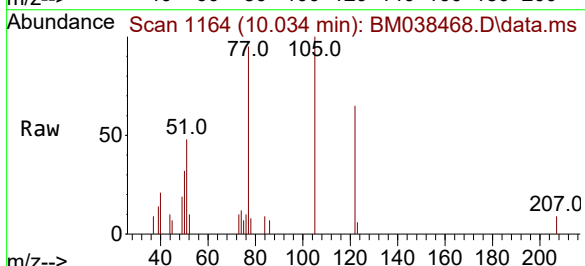
Tgt Ion:122 Resp: 5094

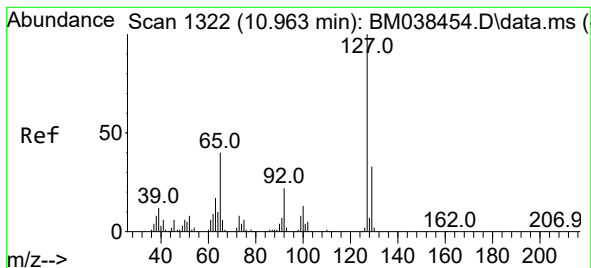
Ion Ratio Lower Upper

122 100

105 154.3 122.6 162.6

77 146.7 101.5 141.5#





#33

4-Chloroaniline

Concen: 3.988 ng

RT: 10.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:127 Resp: 23310

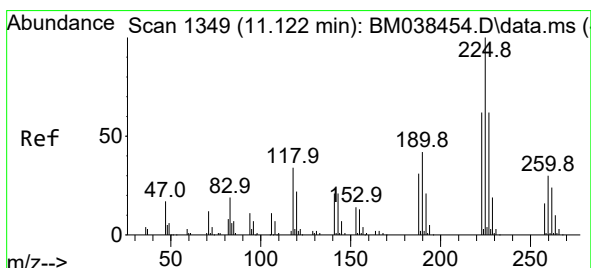
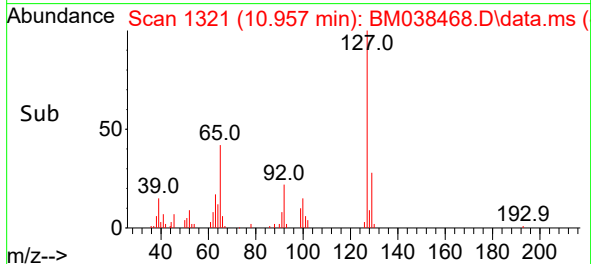
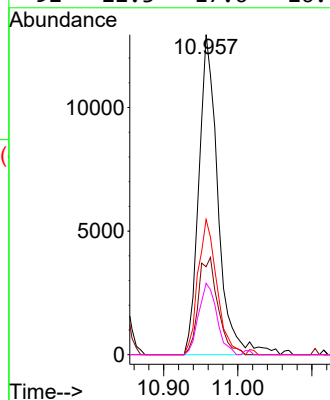
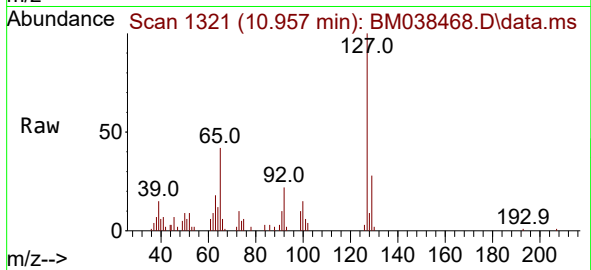
Ion Ratio Lower Upper

127 100

129 27.5 26.4 39.6

65 42.3 32.1 48.1

92 22.3 17.6 26.4



#34

Hexachlorobutadiene

Concen: 4.578 ng

RT: 11.116 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

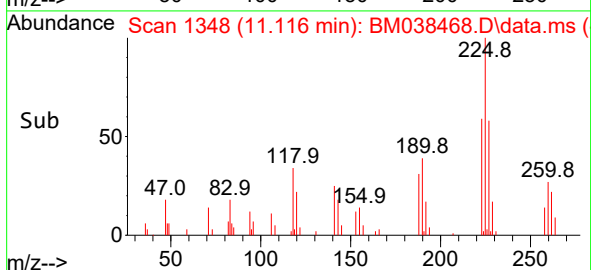
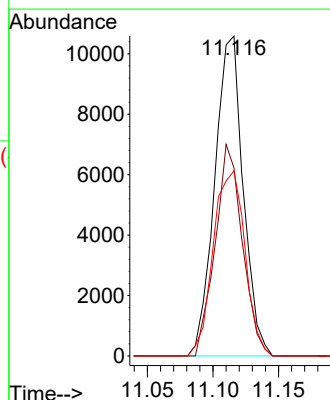
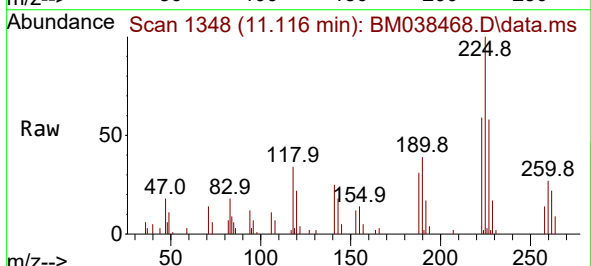
Tgt Ion:225 Resp: 15978

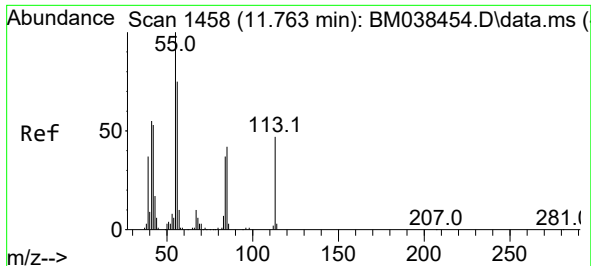
Ion Ratio Lower Upper

225 100

223 58.7 49.8 74.8

227 57.9 49.6 74.4

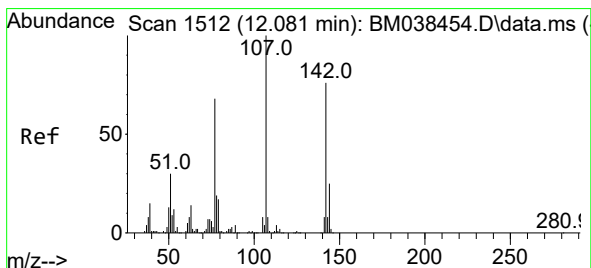
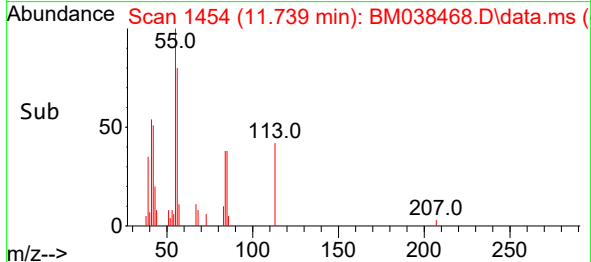
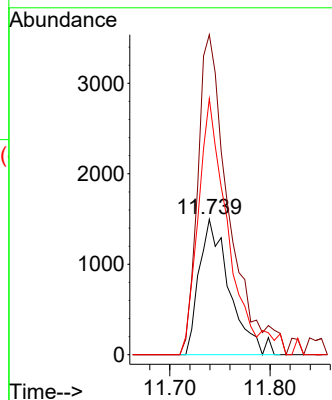
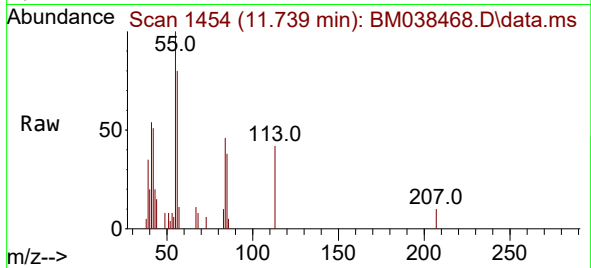




#35
Caprolactam
Concen: 2.598 ng
RT: 11.739 min Scan# 1454
Delta R.T. -0.023 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

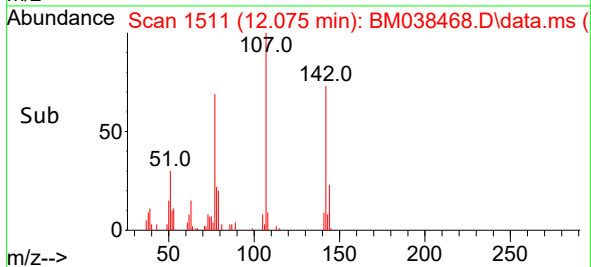
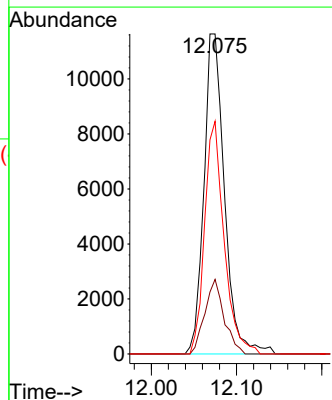
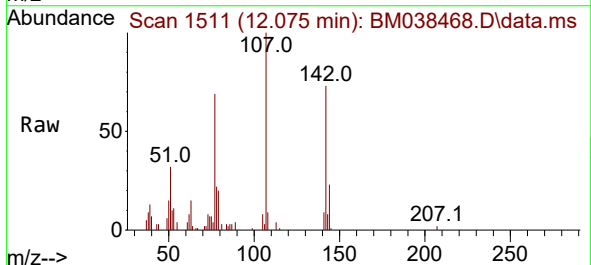
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

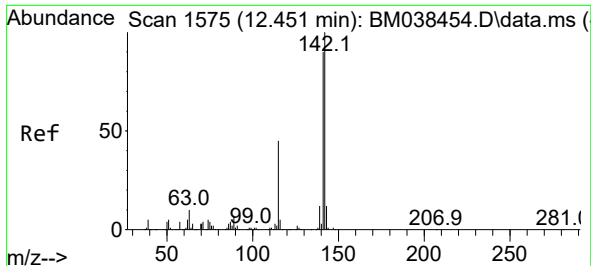
Tgt Ion:113 Resp: 3160
Ion Ratio Lower Upper
113 100
55 236.3 194.2 234.2#
56 189.0 141.6 181.6#



#36
4-Chloro-3-methylphenol
Concen: 4.160 ng
RT: 12.075 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:107 Resp: 19522
Ion Ratio Lower Upper
107 100
144 23.3 20.3 30.5
142 72.7 61.2 91.8

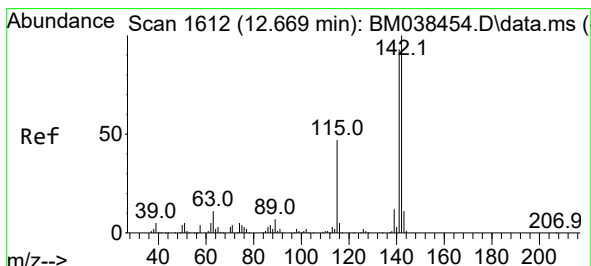
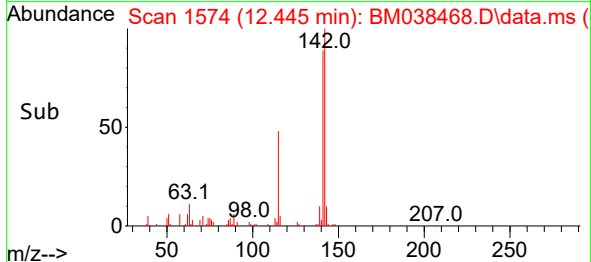
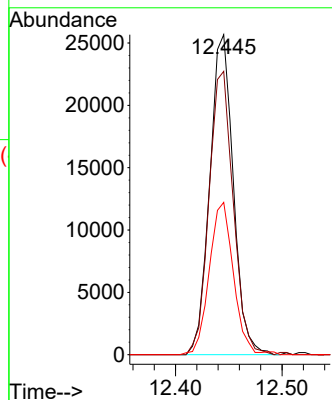
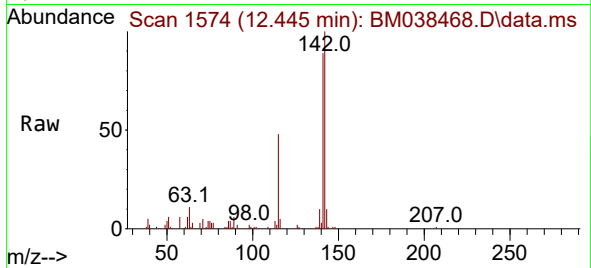




#37
2-Methylnaphthalene
Concen: 4.050 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

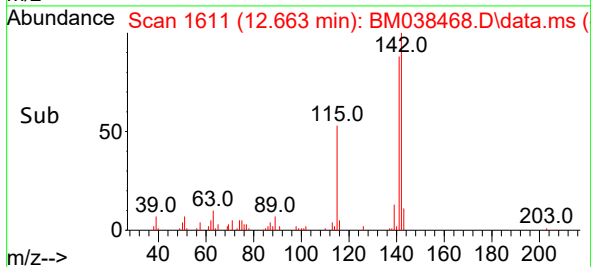
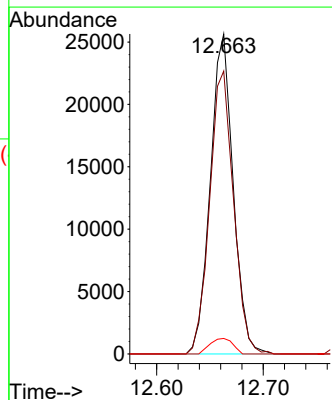
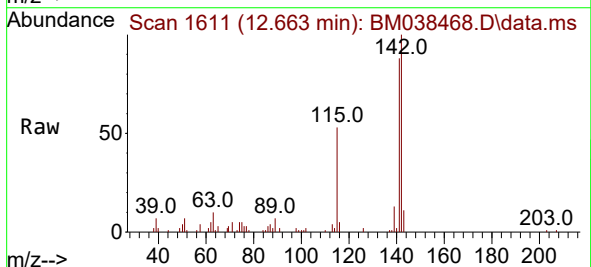
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

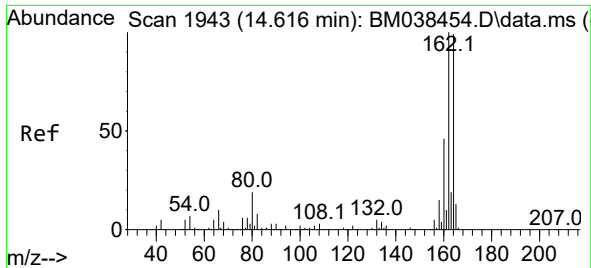
Tgt Ion:142 Resp: 39437
Ion Ratio Lower Upper
142 100
141 88.5 72.0 108.0
115 47.6 35.9 53.9



#38
1-Methylnaphthalene
Concen: 4.185 ng
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:142 Resp: 38261
Ion Ratio Lower Upper
142 100
141 88.4 74.4 111.6
116 4.8 3.8 5.8

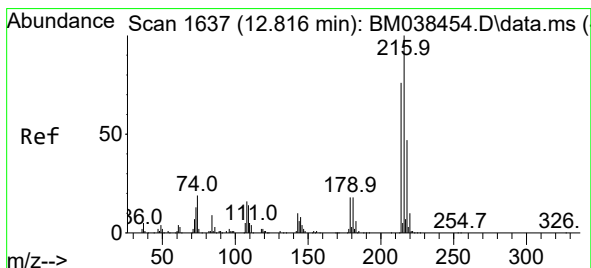
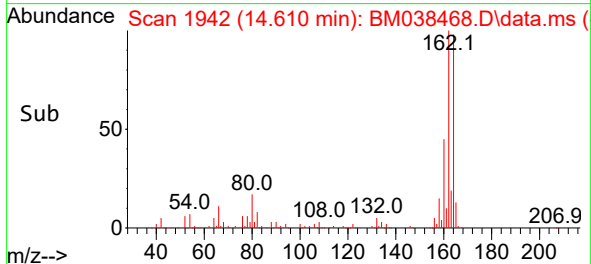
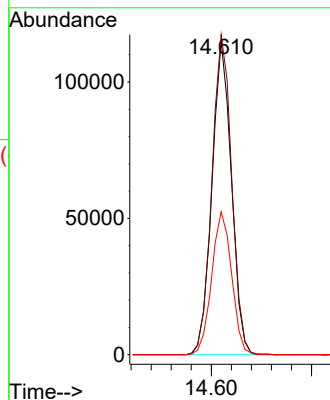
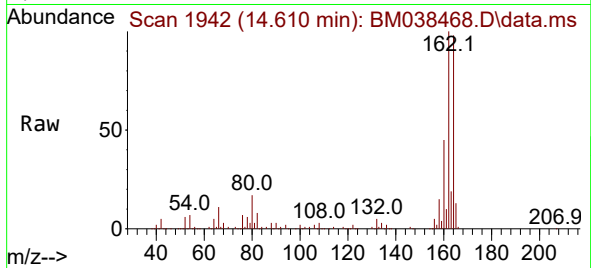




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

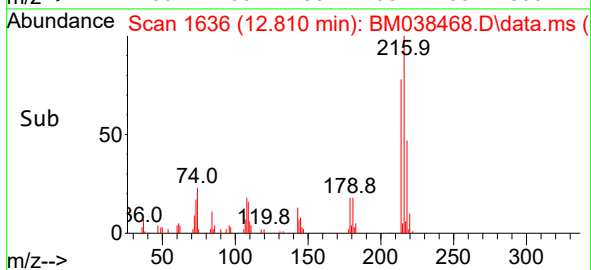
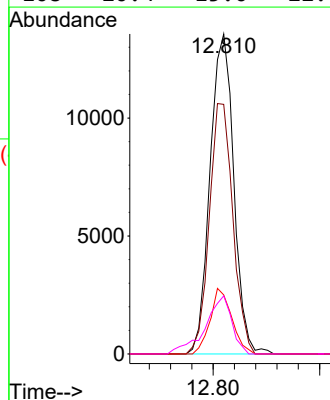
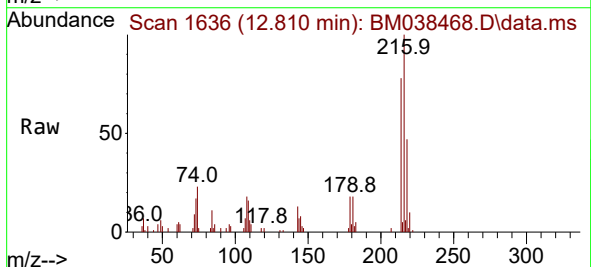
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

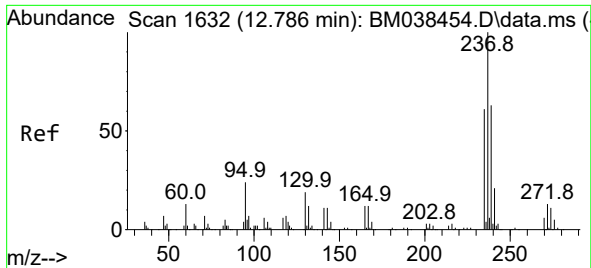
Tgt Ion:164 Resp: 154394
Ion Ratio Lower Upper
164 100
162 102.0 80.9 121.3
160 45.5 37.4 56.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.623 ng
RT: 12.810 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:216 Resp: 20937
Ion Ratio Lower Upper
216 100
214 77.8 61.4 92.0
179 18.7 15.3 22.9
108 20.4 15.0 22.6

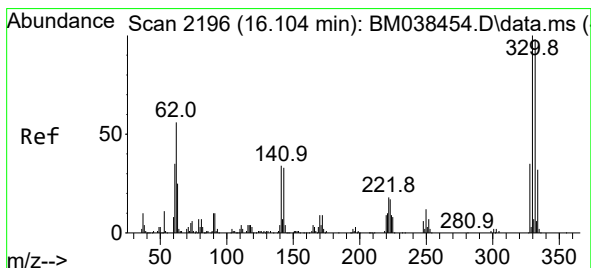
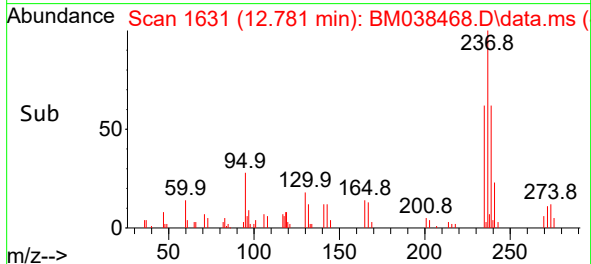
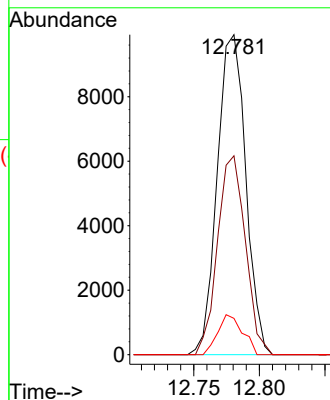
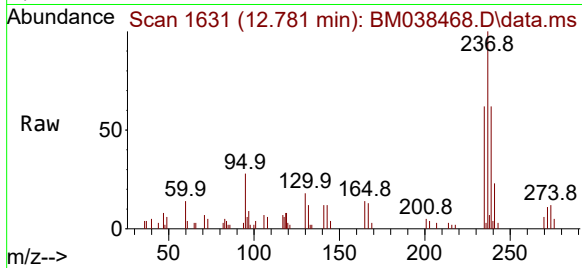




#41
Hexachlorocyclopentadiene
Concen: 4.561 ng
RT: 12.781 min Scan# 1631
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

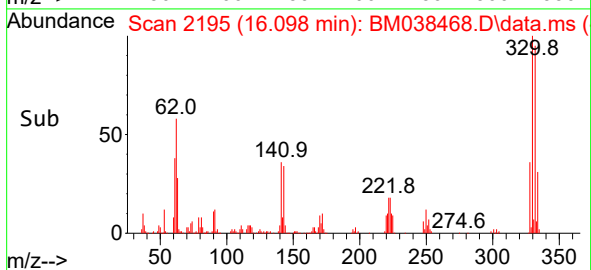
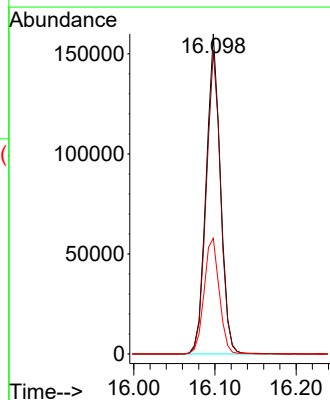
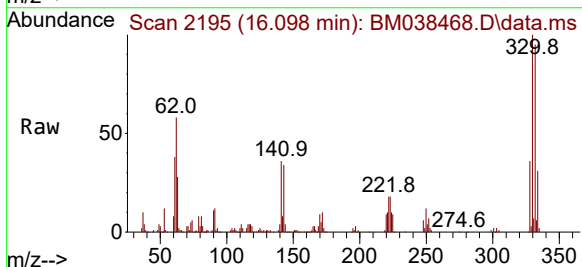
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

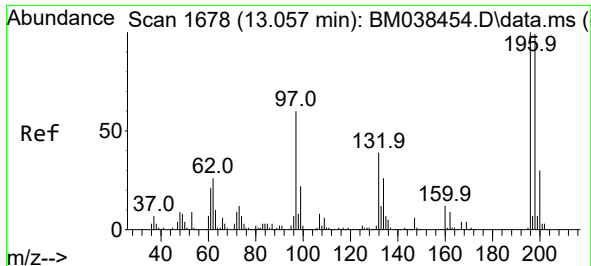
Tgt Ion:237 Resp: 14985
Ion Ratio Lower Upper
237 100
235 62.2 40.9 80.9
272 11.4 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 74.567 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:330 Resp: 194622
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.4
141 38.4 28.1 42.1

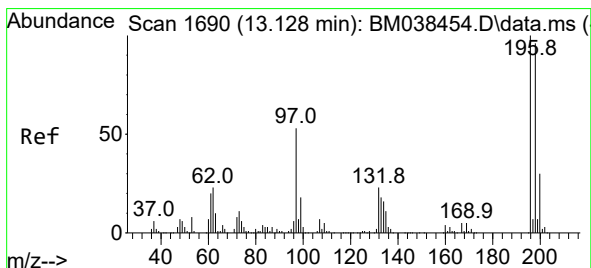
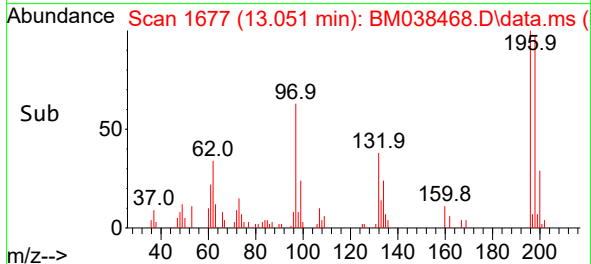
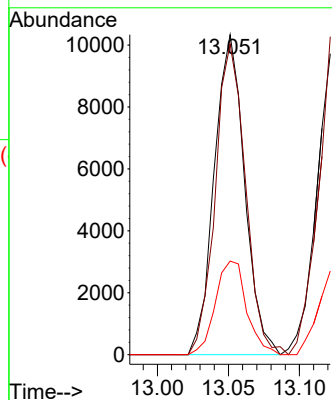
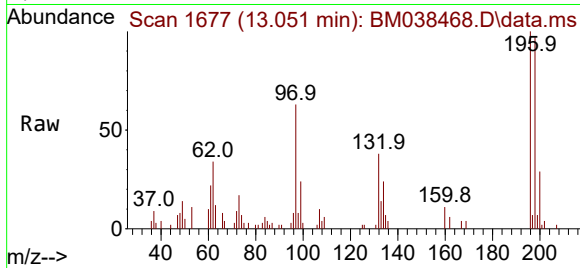




#43
2,4,6-Trichlorophenol
Concen: 4.204 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

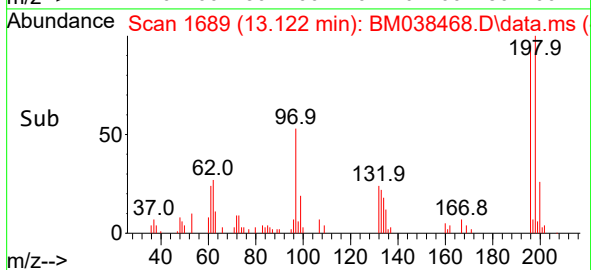
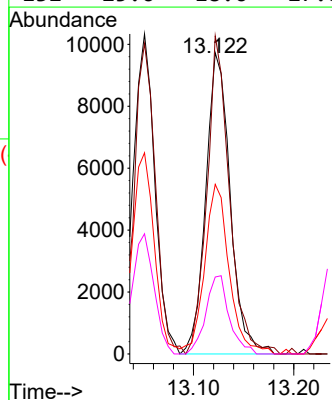
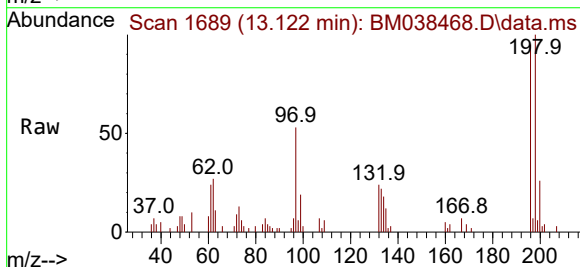
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

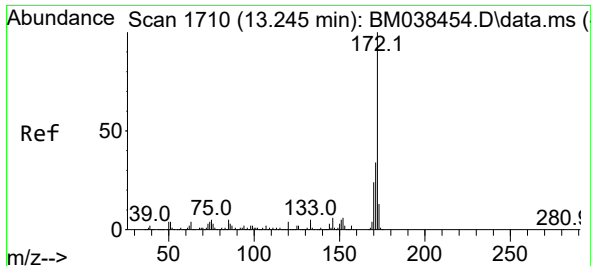
Tgt Ion:196 Resp: 15356
Ion Ratio Lower Upper
196 100
198 97.0 78.8 118.2
200 29.3 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 3.832 ng
RT: 13.122 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:196 Resp: 16504
Ion Ratio Lower Upper
196 100
198 105.7 77.4 116.2
97 56.3 42.4 63.6
132 25.6 18.6 27.8

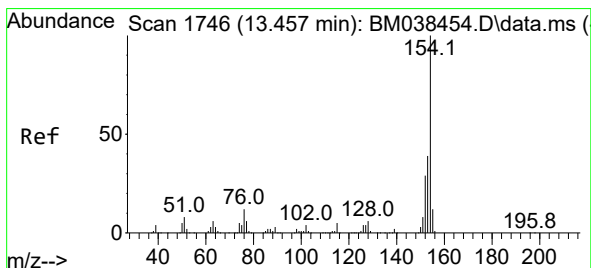
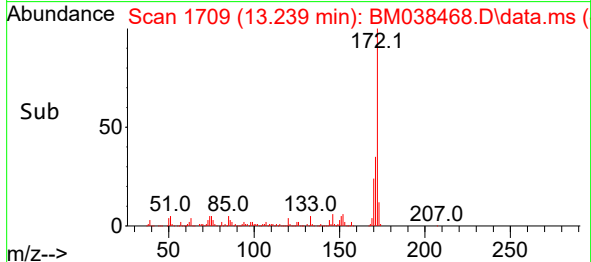
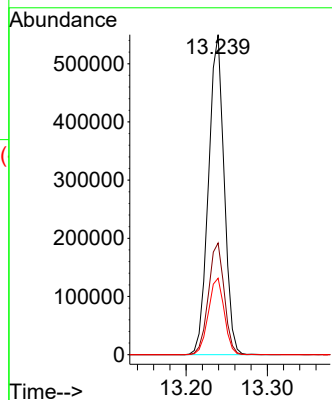
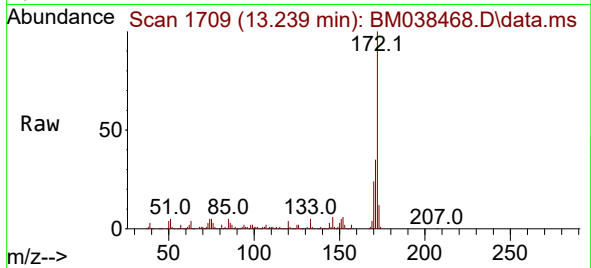




#45
2-Fluorobiphenyl
Concen: 59.368 ng
RT: 13.239 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

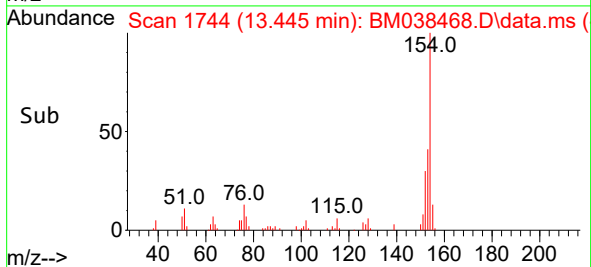
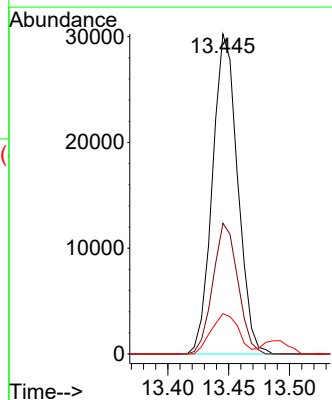
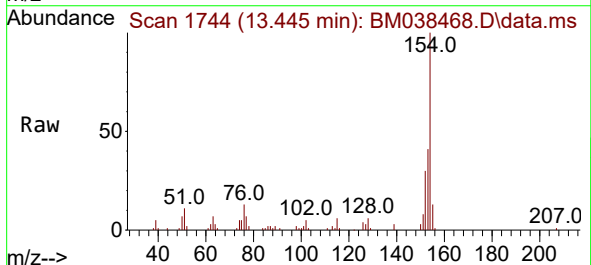
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

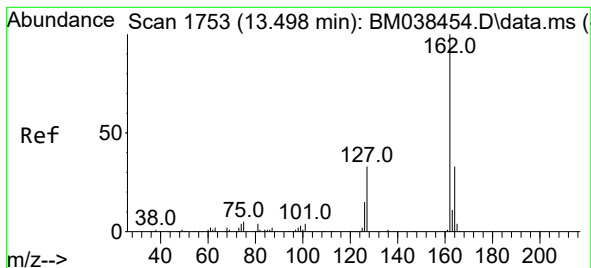
Tgt Ion:172 Resp: 734987
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.9 19.0 28.6



#46
1,1'-Biphenyl
Concen: 3.638 ng
RT: 13.445 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:154 Resp: 43577
Ion Ratio Lower Upper
154 100
153 40.9 19.3 59.3
76 12.6 0.0 32.2





#47

2-Chloronaphthalene

Concen: 4.667 ng

RT: 13.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

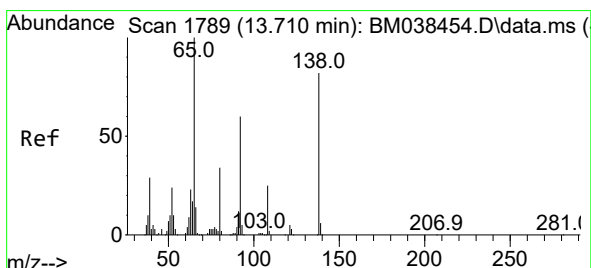
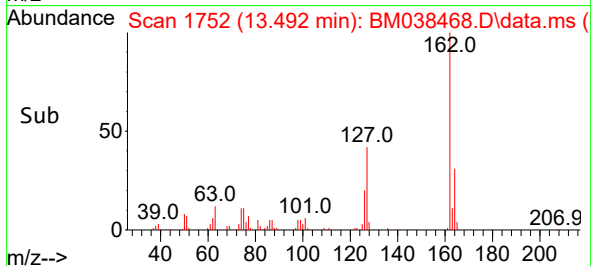
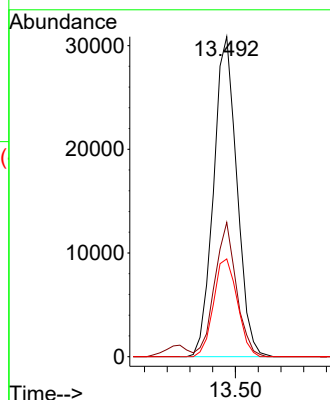
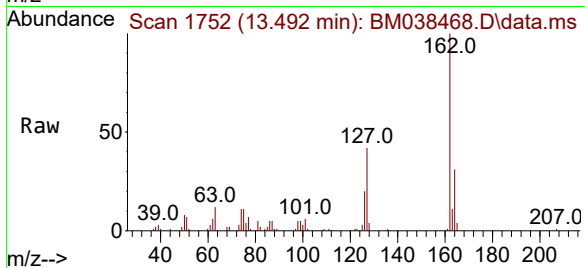
Tgt Ion:162 Resp: 44000

Ion Ratio Lower Upper

162 100

127 41.9 29.5 44.3

164 30.5 26.2 39.4



#48

2-Nitroaniline

Concen: 5.648 ng

RT: 13.704 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

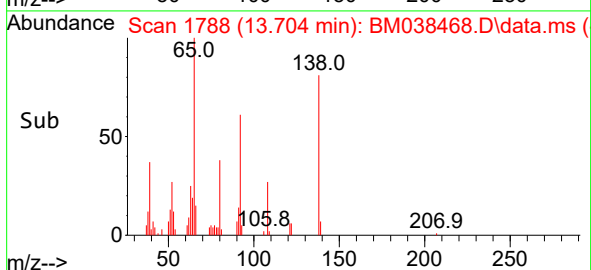
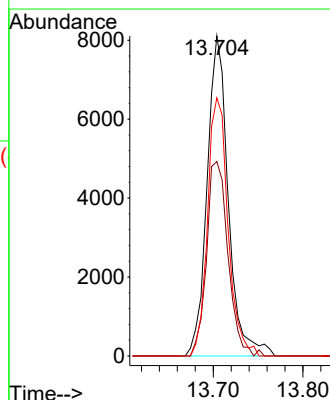
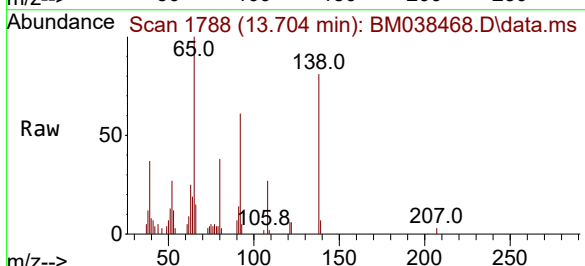
Tgt Ion: 65 Resp: 13320

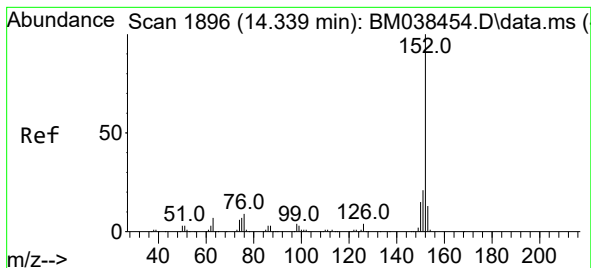
Ion Ratio Lower Upper

65 100

92 60.8 47.6 71.4

138 80.7 65.8 98.8





#49

Acenaphthylene

Concen: 4.255 ng

RT: 14.333 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

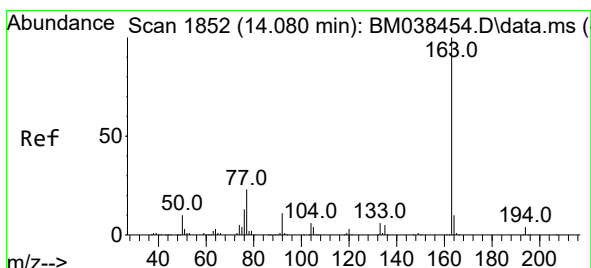
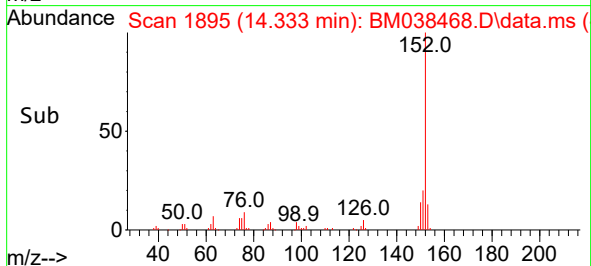
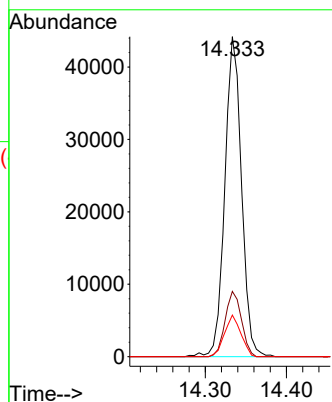
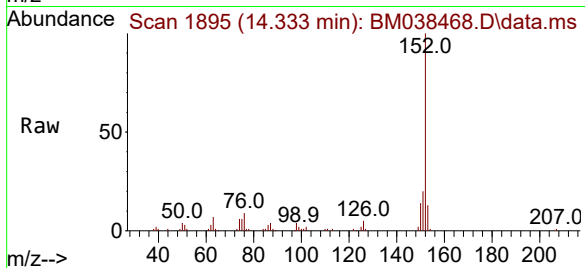
Tgt Ion:152 Resp: 63240

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 13.0 10.6 15.8



#50

Dimethylphthalate

Concen: 4.222 ng

RT: 14.069 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

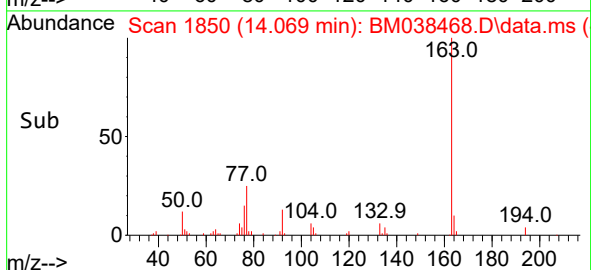
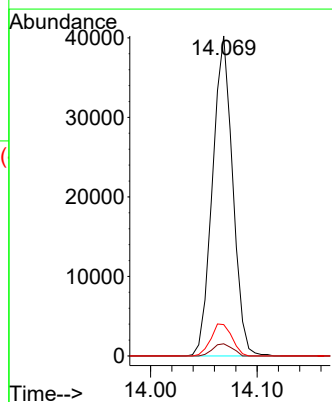
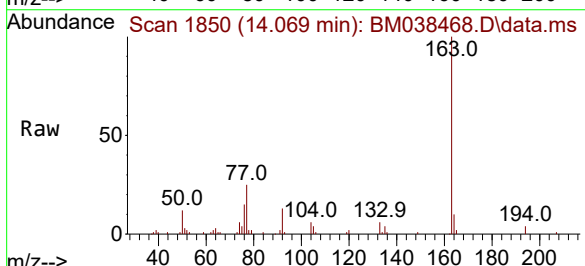
Tgt Ion:163 Resp: 52833

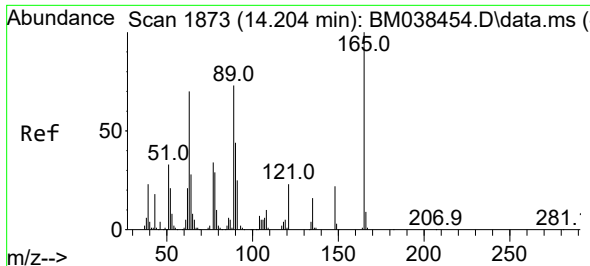
Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

164 9.8 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 3.912 ng

RT: 14.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

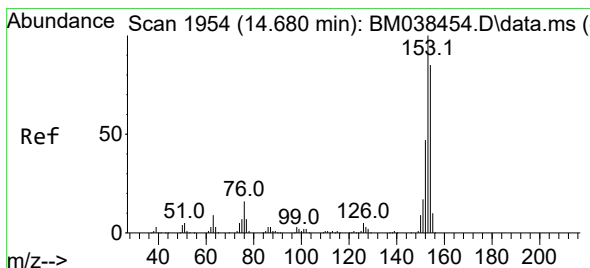
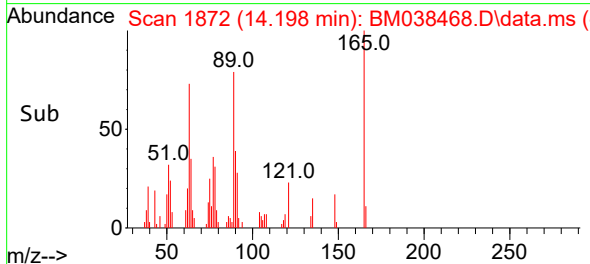
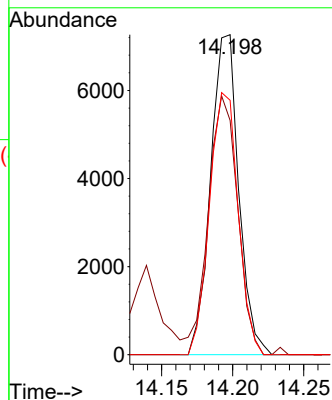
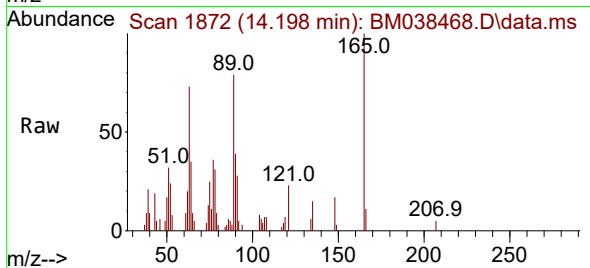
Tgt Ion:165 Resp: 9958

Ion Ratio Lower Upper

165 100

63 73.2 60.9 91.3

89 79.5 58.6 87.8



#52

Acenaphthene

Concen: 4.386 ng

RT: 14.675 min Scan# 1953

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

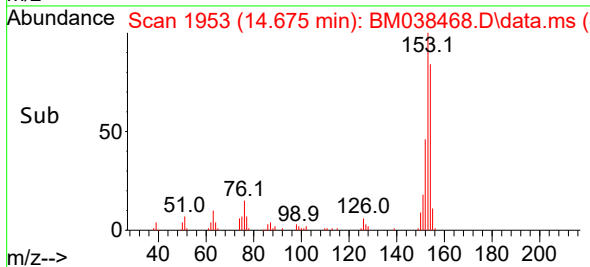
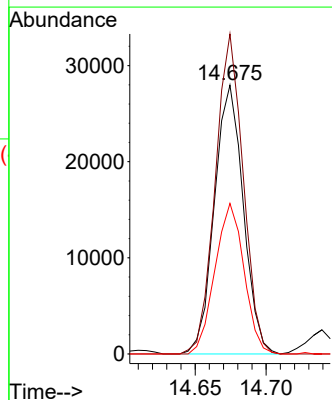
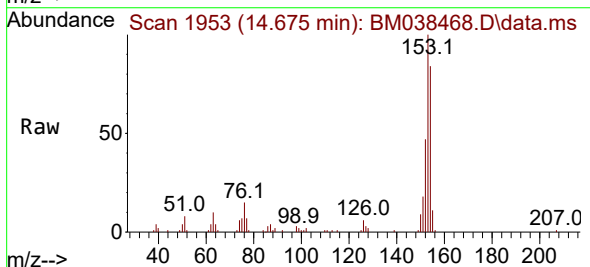
Tgt Ion:154 Resp: 39618

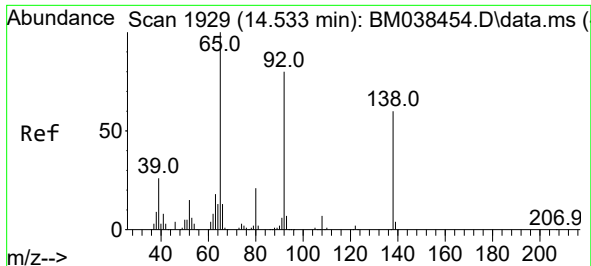
Ion Ratio Lower Upper

154 100

153 119.0 93.8 140.6

152 56.0 44.2 66.4

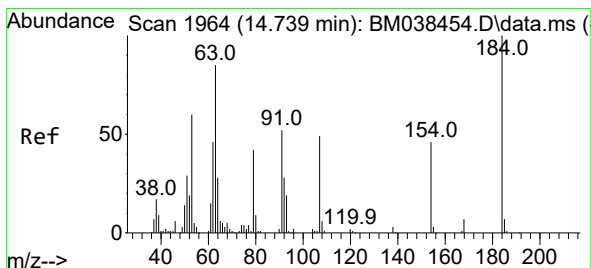
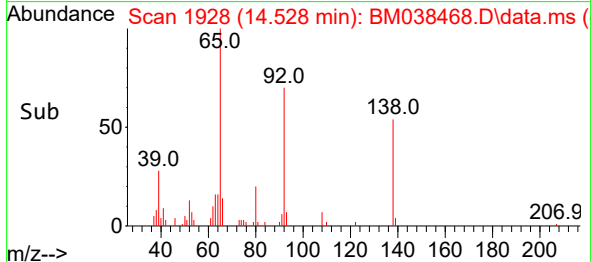
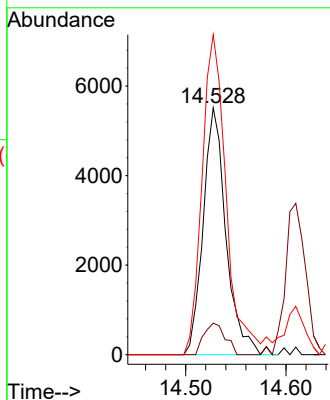
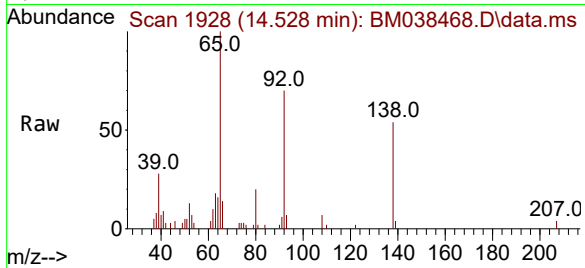




#53
3-Nitroaniline
Concen: 5.597 ng
RT: 14.528 min Scan# 1928
Delta R.T. -0.005 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

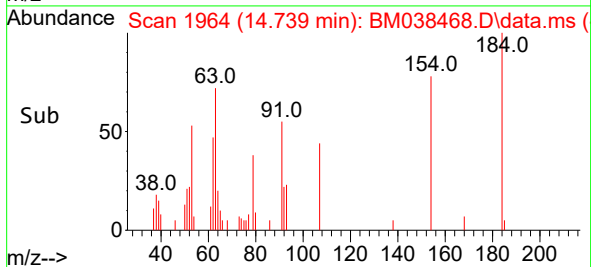
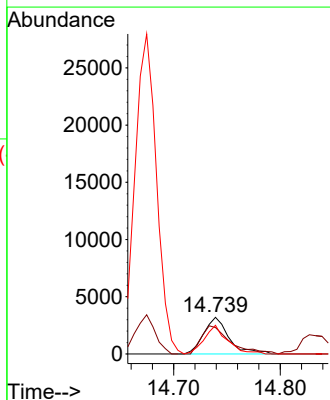
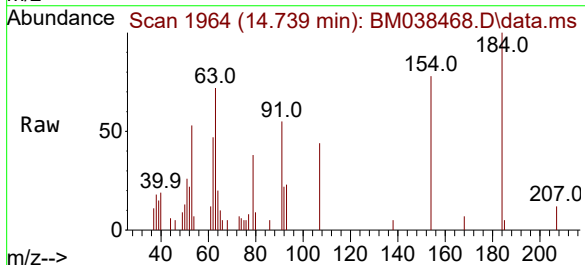
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

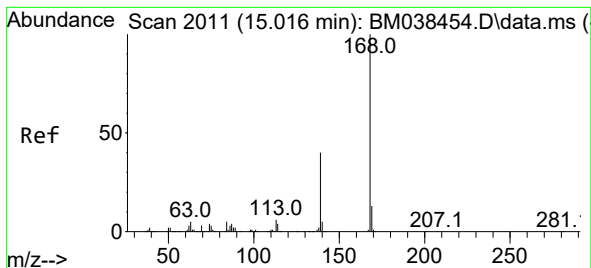
Tgt Ion:138 Resp: 8741
Ion Ratio Lower Upper
138 100
108 12.8 8.9 13.3
92 129.6 106.4 159.6



#54
2,4-Dinitrophenol
Concen: 7.817 ng
RT: 14.739 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:184 Resp: 5235
Ion Ratio Lower Upper
184 100
63 72.2 70.0 105.0
154 78.3 55.6 83.4





#55

Dibenzenofuran

Concen: 4.220 ng

RT: 15.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

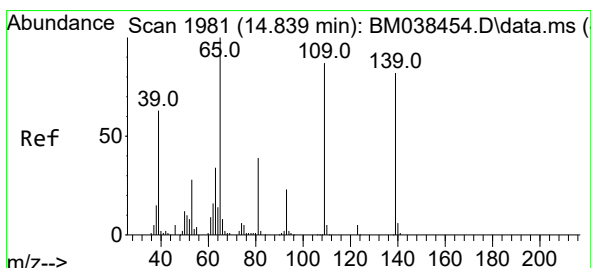
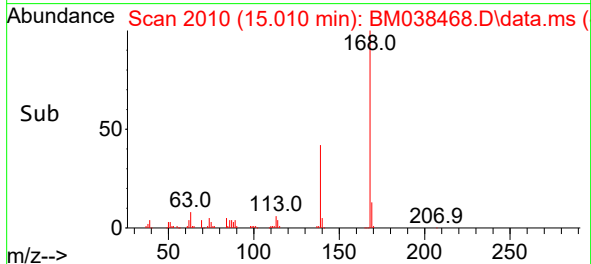
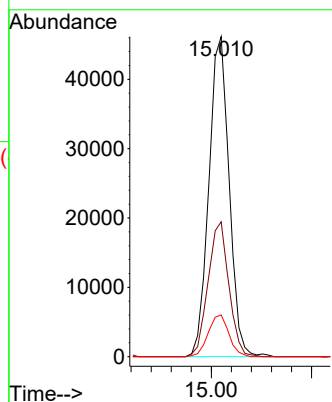
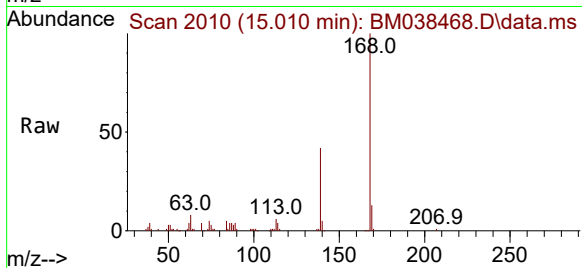
Tgt Ion:168 Resp: 64899

Ion Ratio Lower Upper

168 100

139 42.1 31.9 47.9

169 13.0 10.5 15.7



#56

4-Nitrophenol

Concen: 6.673 ng

RT: 14.833 min Scan# 1980

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

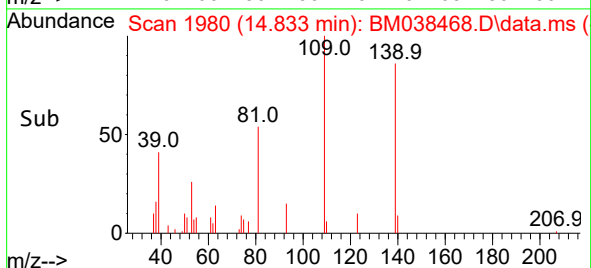
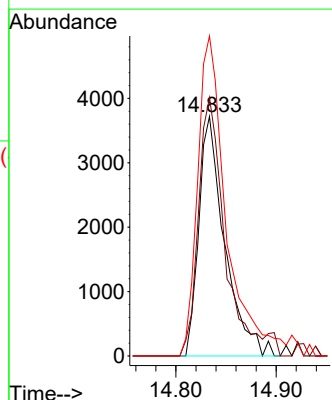
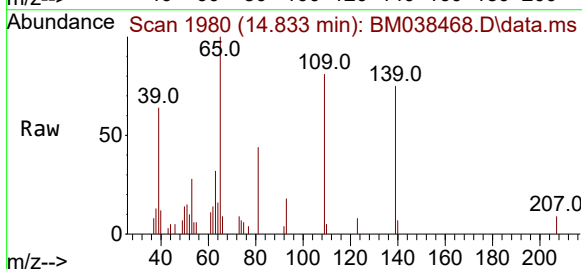
Tgt Ion:139 Resp: 6658

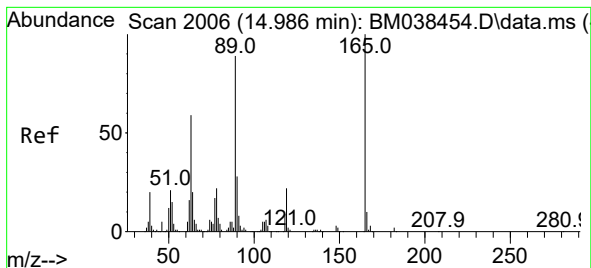
Ion Ratio Lower Upper

139 100

109 108.0 86.0 126.0

65 133.6 102.7 142.7





#57

2,4-Dinitrotoluene

Concen: 3.651 ng

RT: 14.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM038468.D

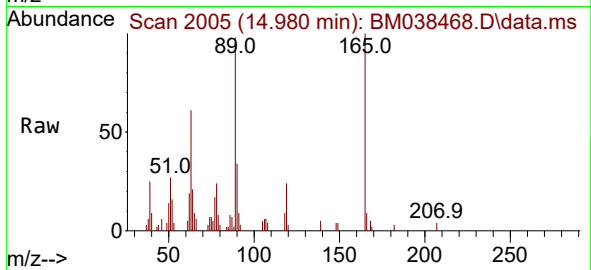
Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 12918

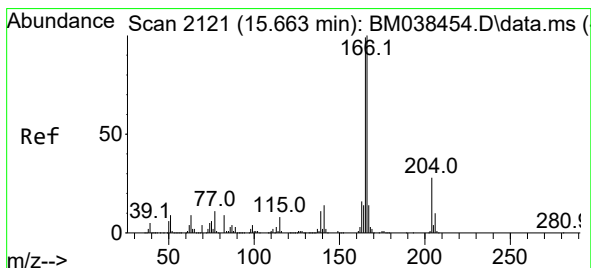
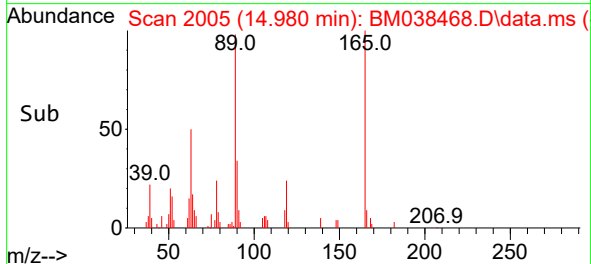
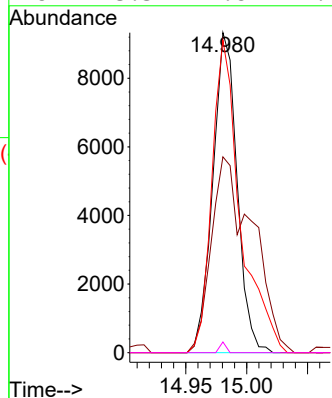
Ion Ratio Lower Upper

165 100

63 61.2 47.7 71.5

89 97.7 71.5 107.3

182 3.3 1.8 2.6#



#58

Fluorene

Concen: 3.914 ng

RT: 15.657 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

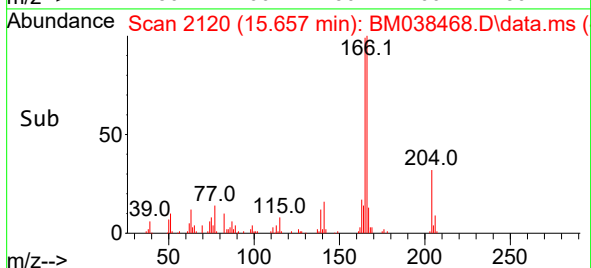
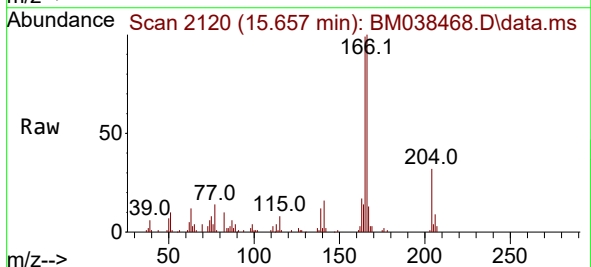
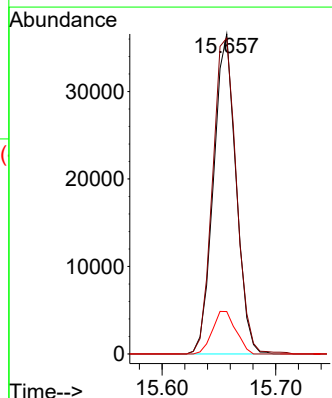
Tgt Ion:166 Resp: 50298

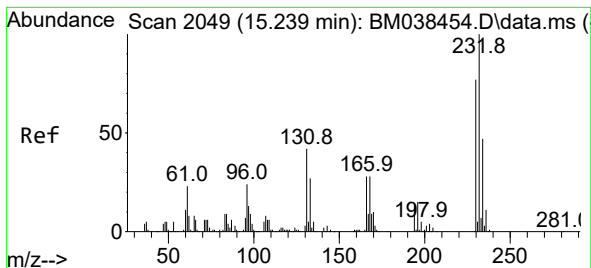
Ion Ratio Lower Upper

166 100

165 98.8 79.2 118.8

167 13.3 11.0 16.4

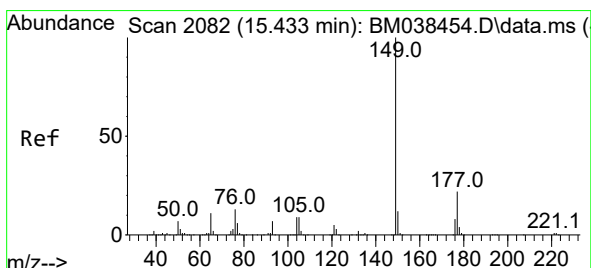
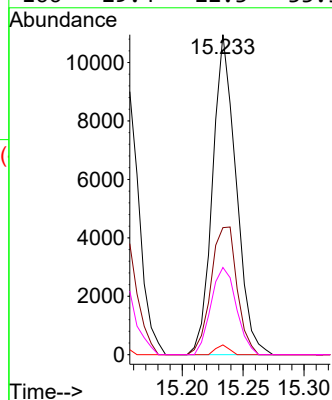
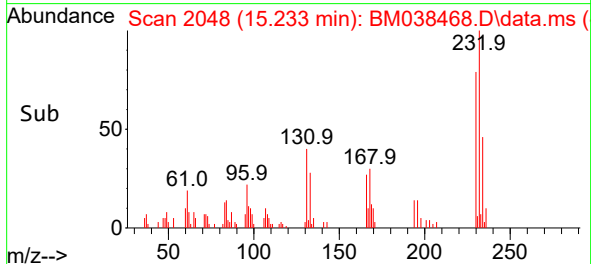
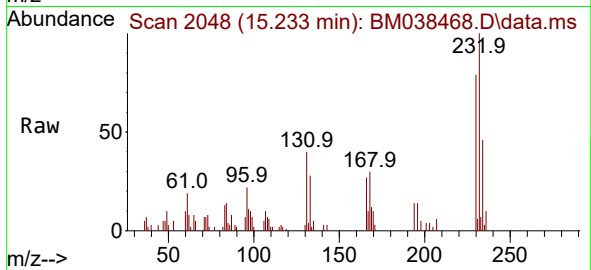




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.850 ng
RT: 15.233 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

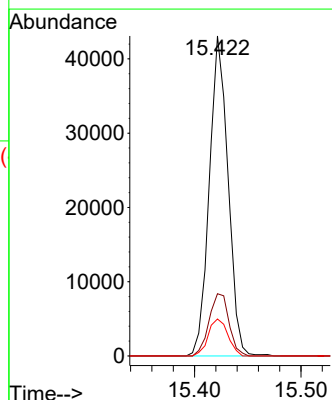
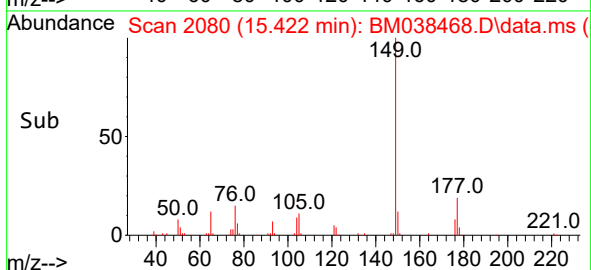
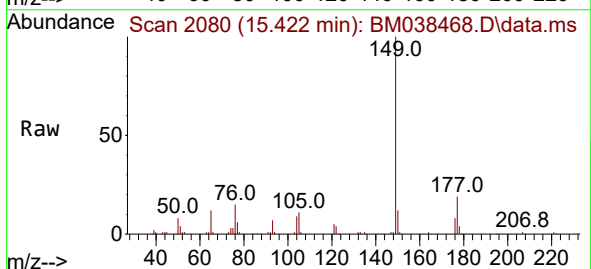
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

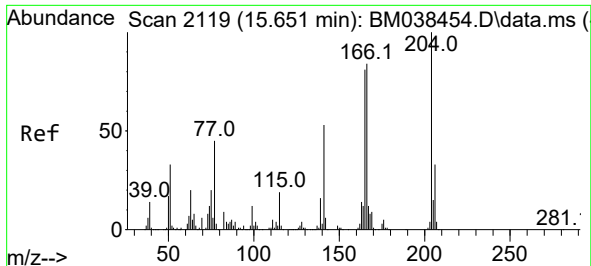
Tgt Ion:232	Resp:	14703
Ion Ratio	Lower	Upper
232	100	
131	44.3	33.8 50.6
130	1.7	1.9 2.9#
166	29.4	22.3 33.5



#60
Diethylphthalate
Concen: 4.095 ng
RT: 15.422 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:149	Resp:	52558
Ion Ratio	Lower	Upper
149	100	
177	19.5	17.8 26.6
150	11.6	9.5 14.3

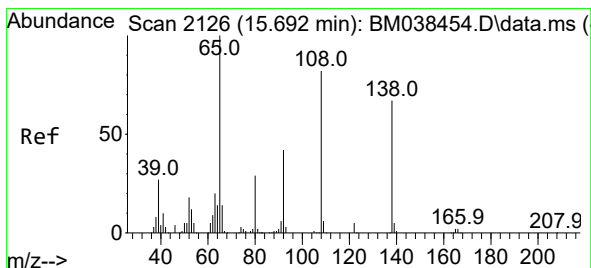
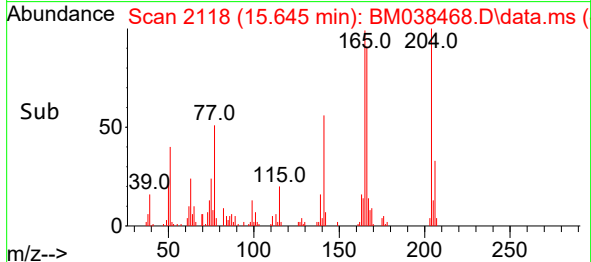
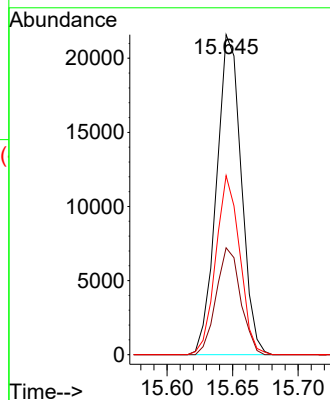
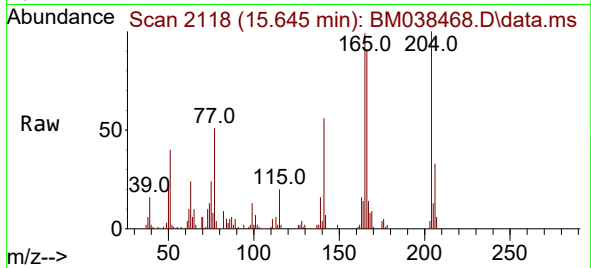




#61
4-Chlorophenyl-phenylether
Concen: 4.023 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

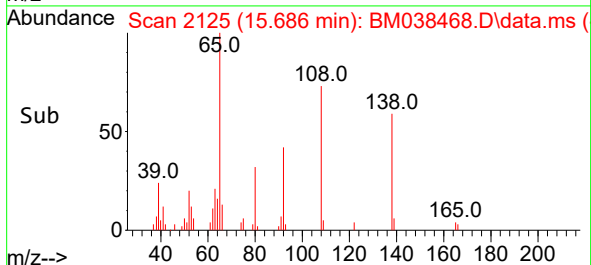
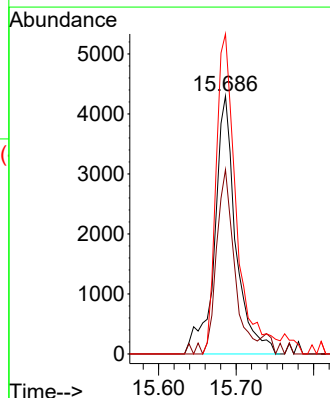
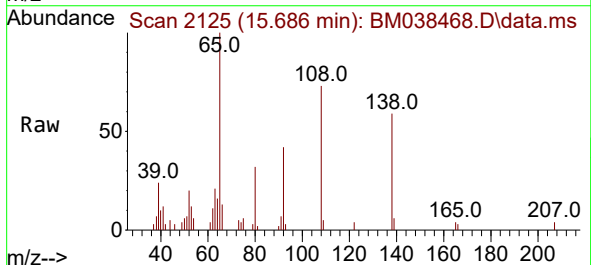
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

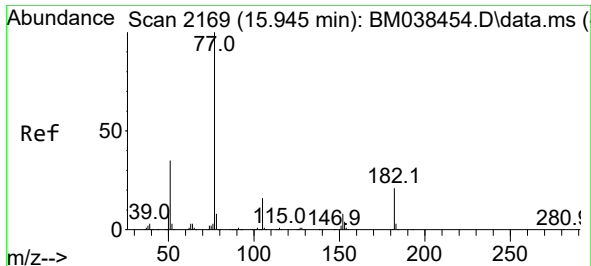
Tgt Ion:204 Resp: 28376
Ion Ratio Lower Upper
204 100
206 33.4 26.2 39.4
141 56.0 42.5 63.7



#62
4-Nitroaniline
Concen: 5.497 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:138 Resp: 8142
Ion Ratio Lower Upper
138 100
92 71.5 42.1 82.1
108 124.1 102.5 142.5

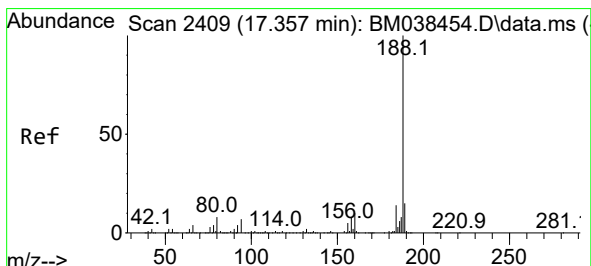
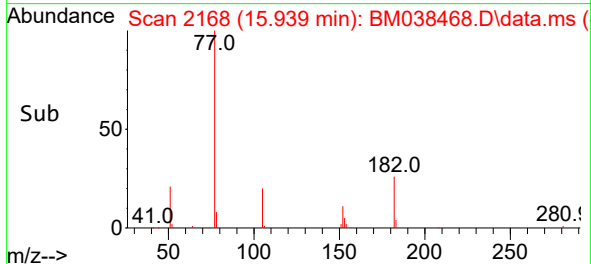
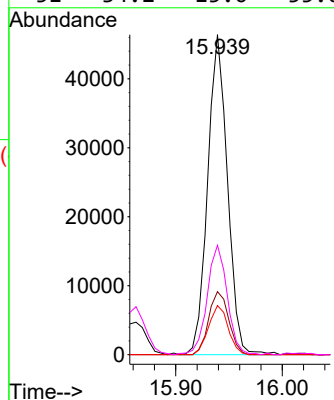
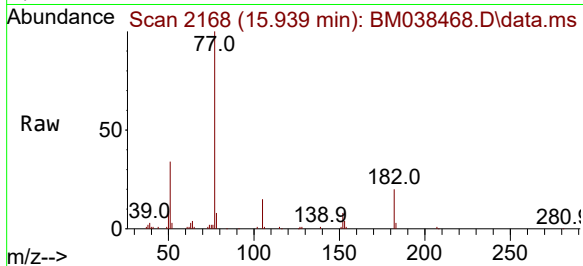




#63
Azobenzene
Concen: 4.241 ng
RT: 15.939 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

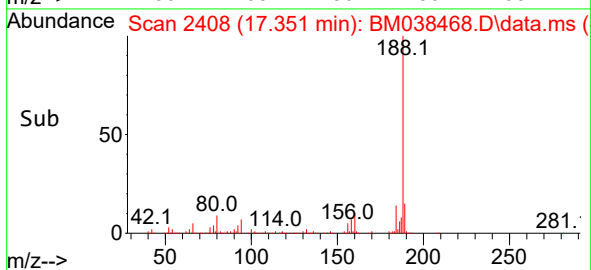
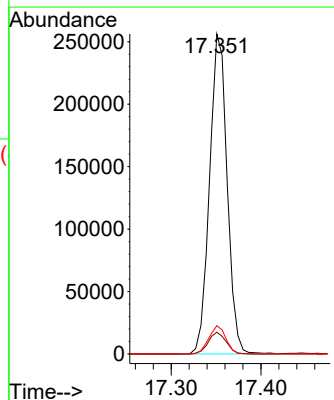
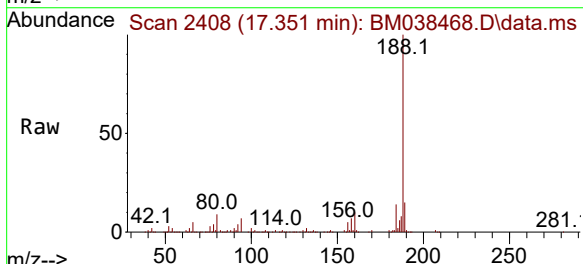
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

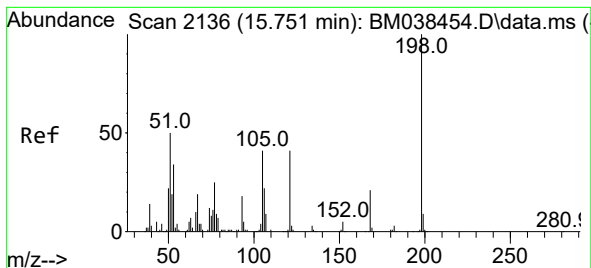
Tgt Ion: 77	Resp: 59903
Ion Ratio	Lower Upper
77 100	
182 19.7	1.1 41.1
105 15.3	0.0 36.4
51 34.2	15.0 55.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion: 188	Resp: 348497
Ion Ratio	Lower Upper
188 100	
94 6.8	5.4 8.0
80 8.9	6.5 9.7

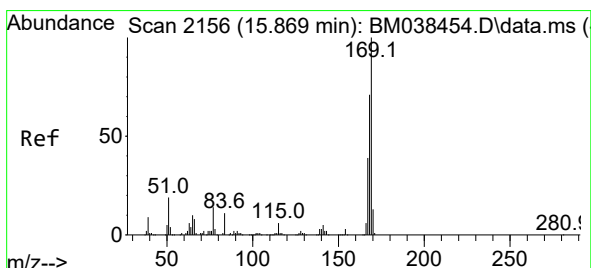
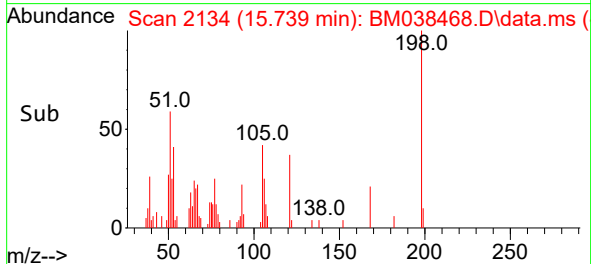
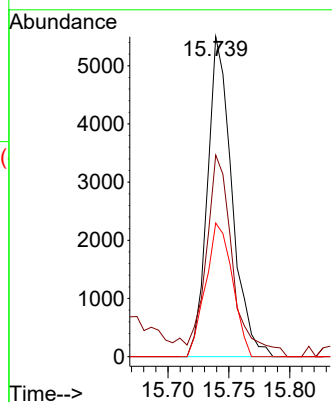
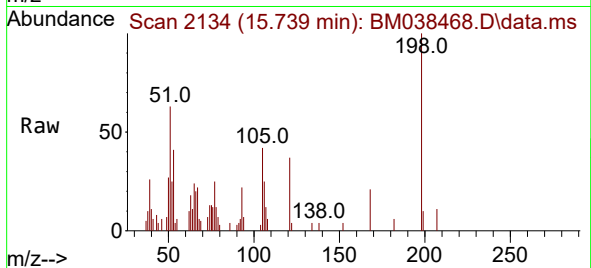




#65
4,6-Dinitro-2-methylphenol
Concen: 3.251 ng
RT: 15.739 min Scan# 2136
Delta R.T. -0.012 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

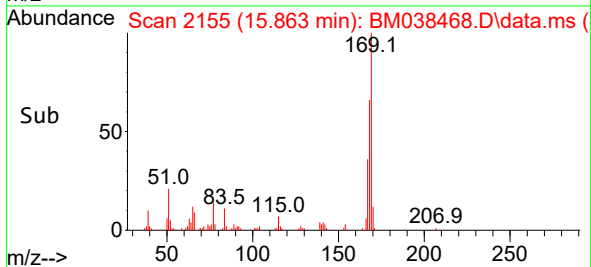
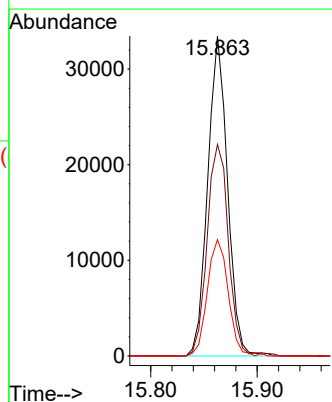
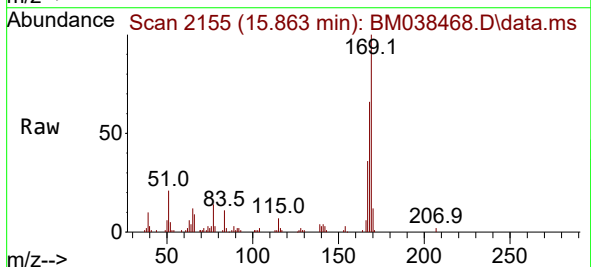
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

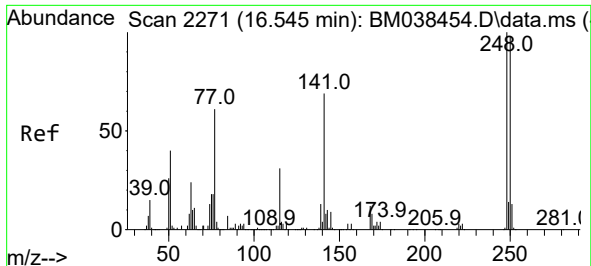
Tgt Ion:198 Resp: 7687
Ion Ratio Lower Upper
198 100
51 63.0 31.6 71.6
105 41.7 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 4.222 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:169 Resp: 43176
Ion Ratio Lower Upper
169 100
168 66.1 56.6 85.0
167 36.4 31.1 46.7

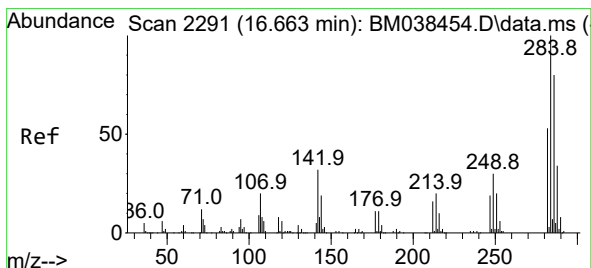
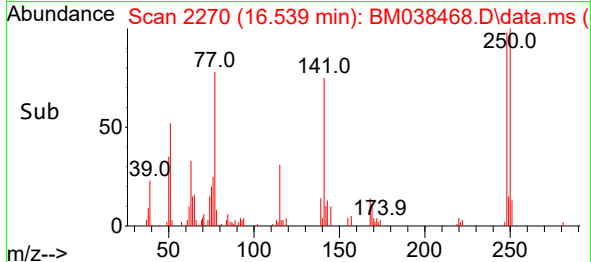
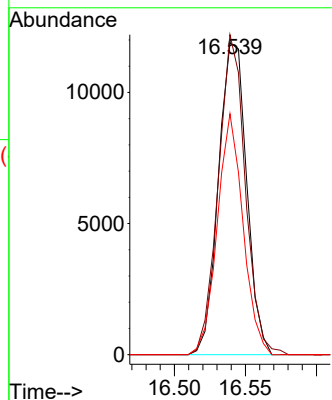
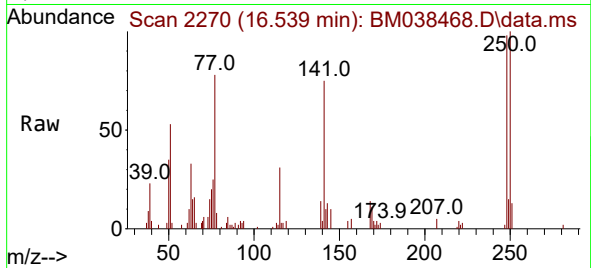




#67
4-Bromophenyl-phenylether
Concen: 4.066 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

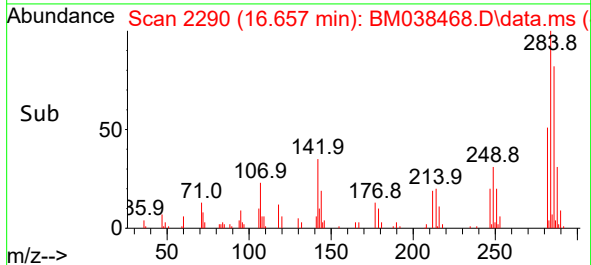
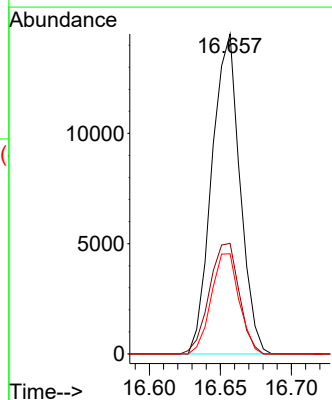
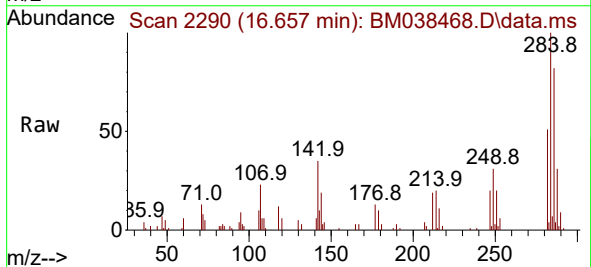
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

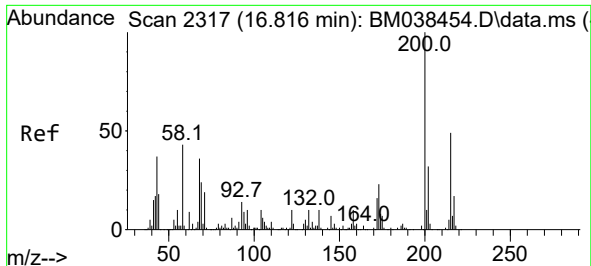
Tgt Ion:248 Resp: 16391
Ion Ratio Lower Upper
248 100
250 102.5 78.3 117.5
141 77.2 55.1 82.7



#68
Hexachlorobenzene
Concen: 4.412 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038468.D
Acq: 17 Jan 2023 17:29

Tgt Ion:284 Resp: 19918
Ion Ratio Lower Upper
284 100
142 34.6 26.0 39.0
249 31.3 23.8 35.8

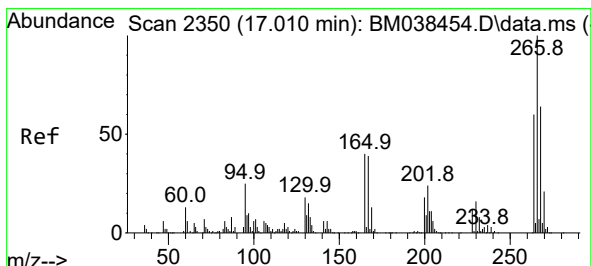
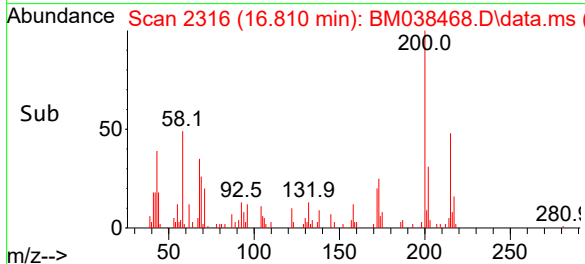
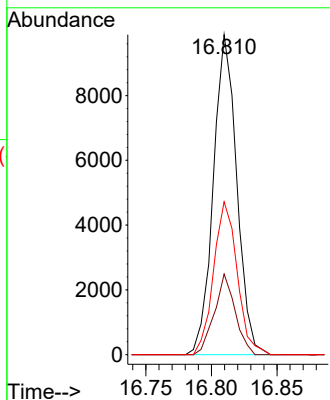
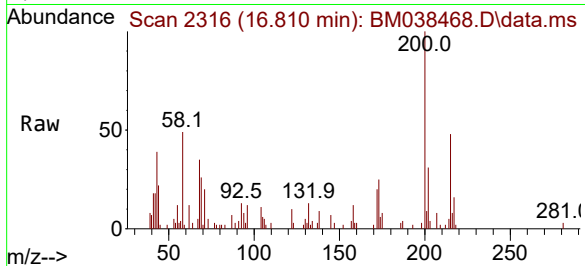




#69
 Atrazine
 Concen: 3.390 ng
 RT: 16.810 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038468.D
 Acq: 17 Jan 2023 17:29

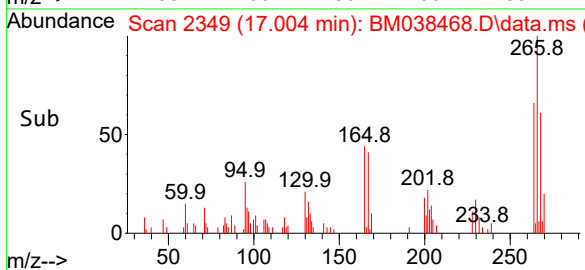
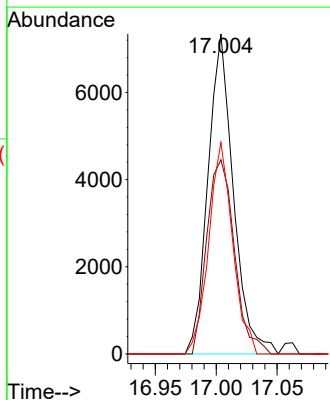
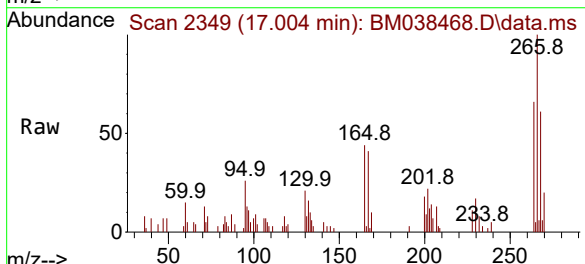
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

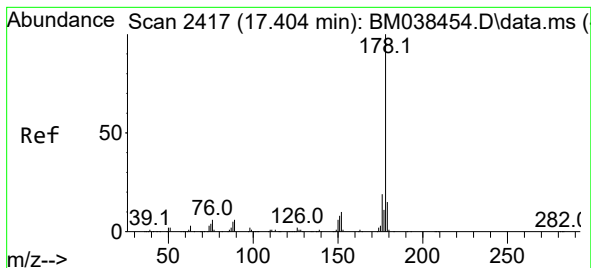
Tgt Ion:200 Resp: 12257
 Ion Ratio Lower Upper
 200 100
 173 25.2 3.4 43.4
 215 47.8 29.3 69.3



#70
 Pentachlorophenol
 Concen: 3.232 ng
 RT: 17.004 min Scan# 2349
 Delta R.T. -0.006 min
 Lab File: BM038468.D
 Acq: 17 Jan 2023 17:29

Tgt Ion:266 Resp: 10650
 Ion Ratio Lower Upper
 266 100
 268 60.7 51.4 77.0
 264 66.0 48.2 72.2





#71

Phenanthrene

Concen: 4.291 ng

RT: 17.392 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

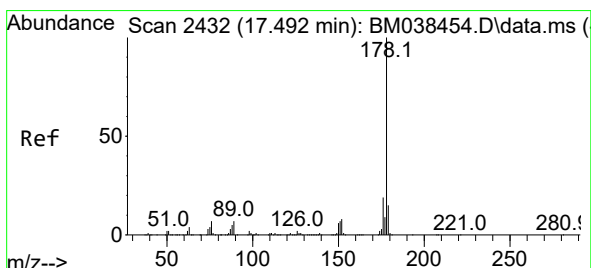
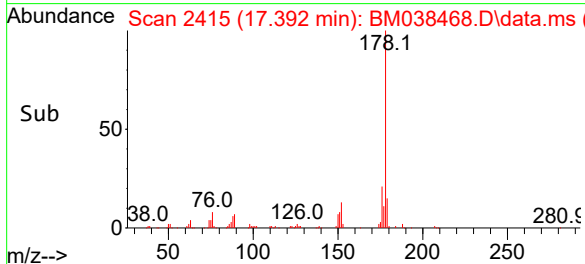
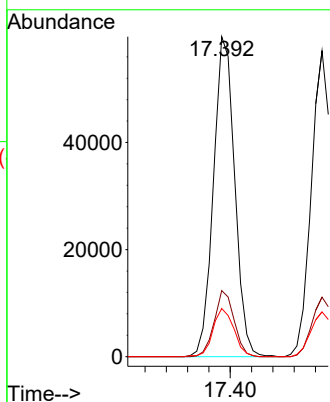
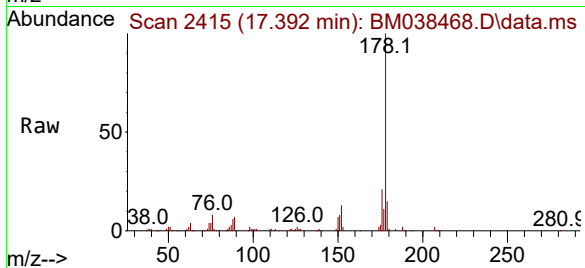
Tgt Ion:178 Resp: 82725

Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.0

179 15.0 12.1 18.1



#72

Anthracene

Concen: 4.103 ng

RT: 17.486 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

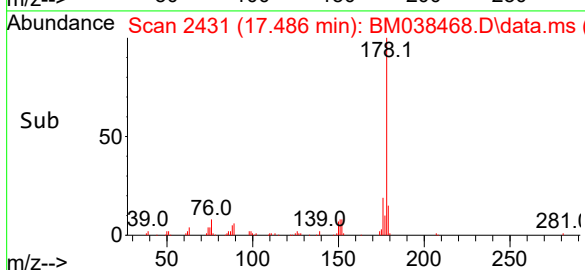
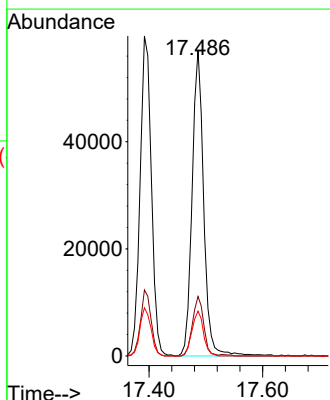
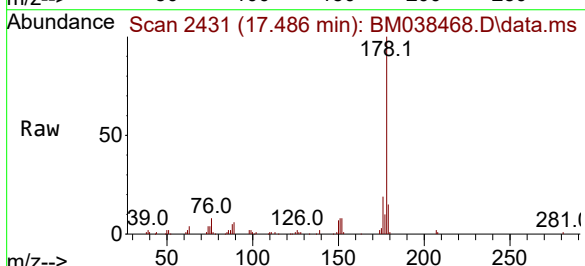
Tgt Ion:178 Resp: 81299

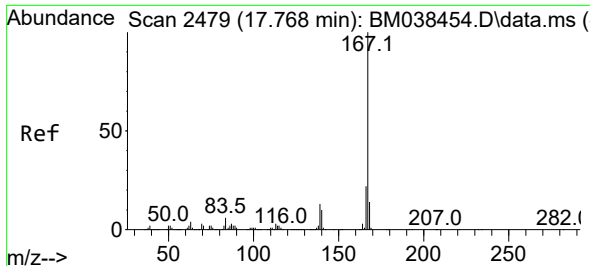
Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.6

179 14.6 12.2 18.2

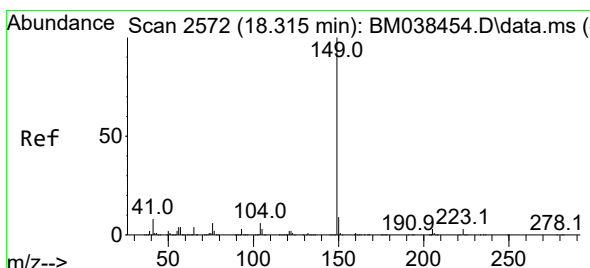
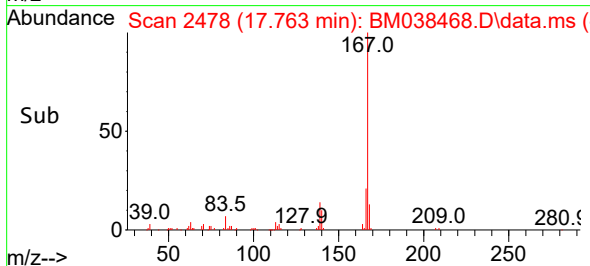
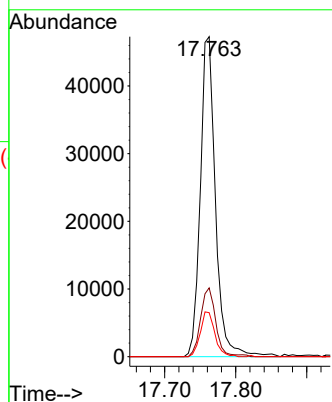
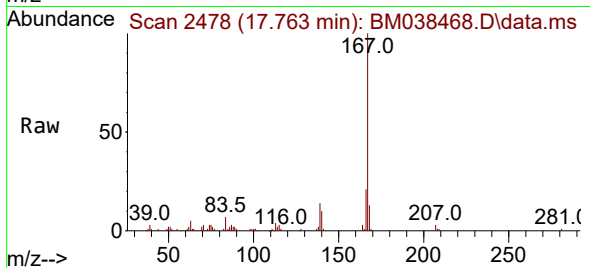




#73
 Carbazole
 Concen: 4.061 ng
 RT: 17.763 min Scan# 2479
 Delta R.T. -0.006 min
 Lab File: BM038468.D
 Acq: 17 Jan 2023 17:29

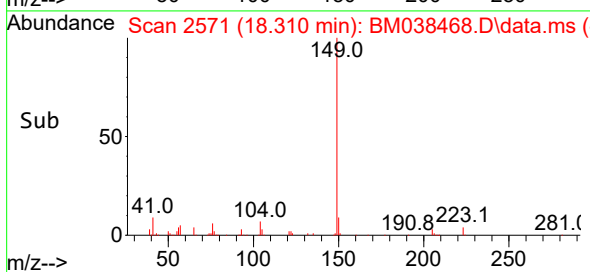
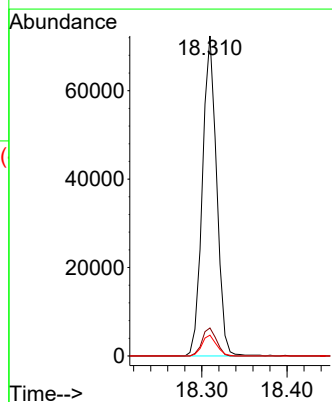
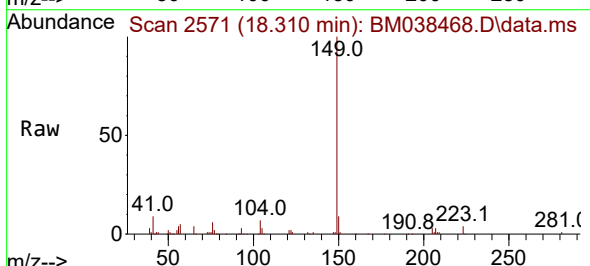
Instrument : BNA_M
 ClientSampleId : LOQ-SOIL-02-QT3-2022

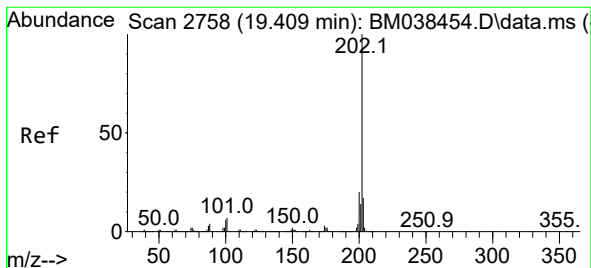
Tgt Ion:167 Resp: 70367
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.7 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 4.076 ng
 RT: 18.310 min Scan# 2571
 Delta R.T. -0.006 min
 Lab File: BM038468.D
 Acq: 17 Jan 2023 17:29

Tgt Ion:149 Resp: 83891
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.4 11.2
 104 6.5 4.7 7.1





#75

Fluoranthene

Concen: 3.955 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

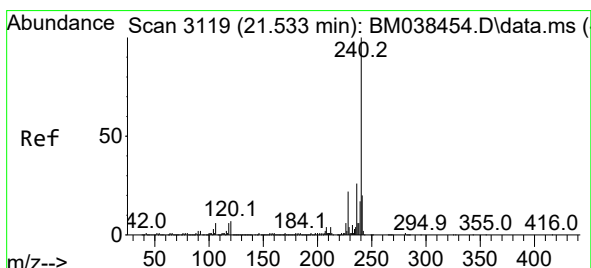
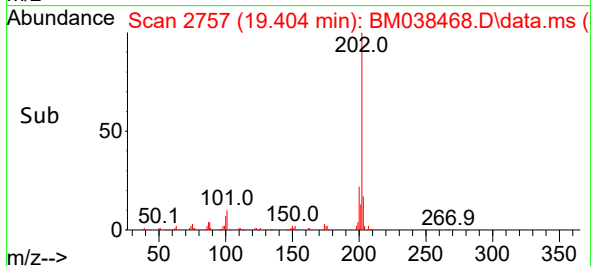
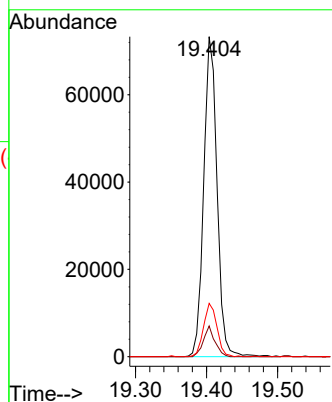
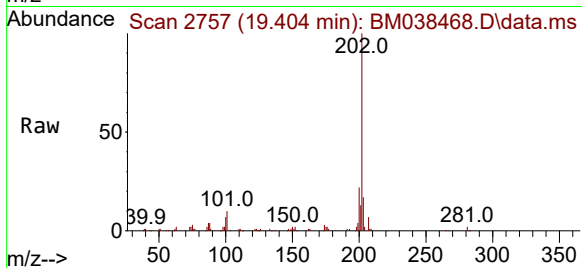
Tgt Ion:202 Resp: 95849

Ion Ratio Lower Upper

202 100

101 9.6 0.0 27.4

203 16.6 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

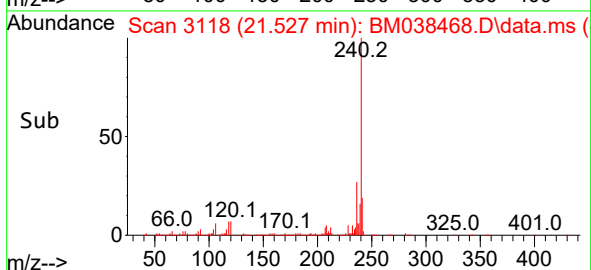
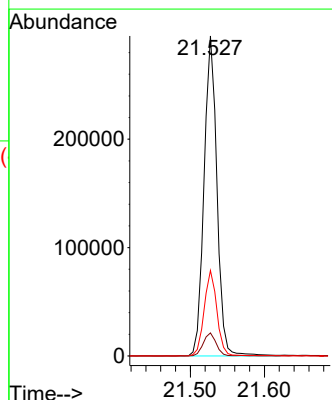
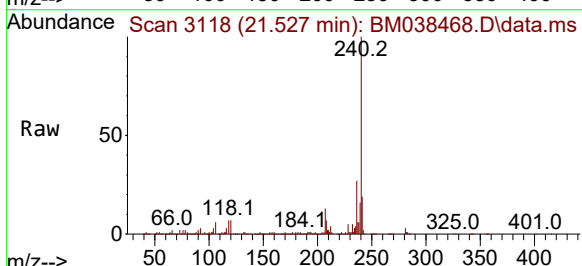
Tgt Ion:240 Resp: 358011

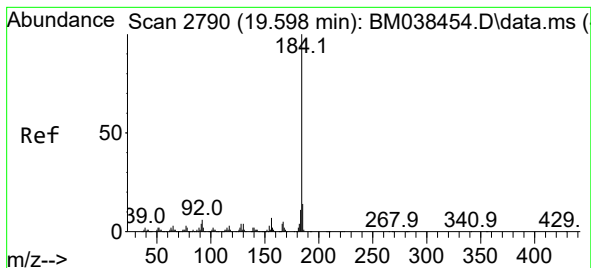
Ion Ratio Lower Upper

240 100

120 7.2 5.6 8.4

236 26.7 21.0 31.4





#77

Benzidine

Concen: 3.739 ng

RT: 19.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

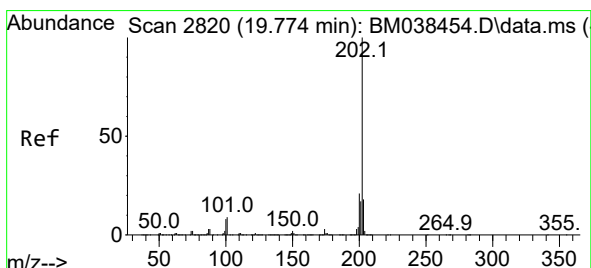
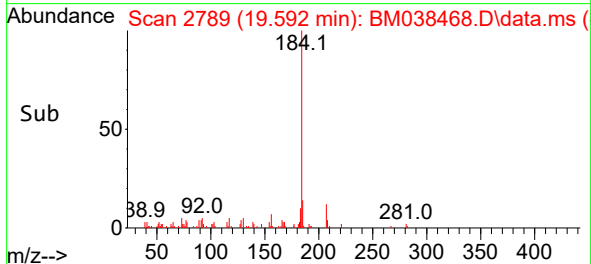
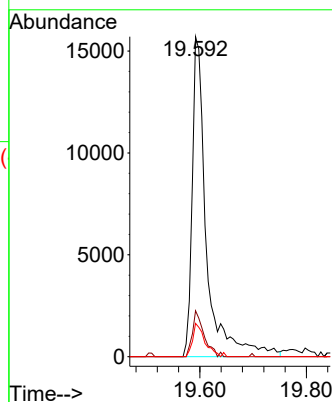
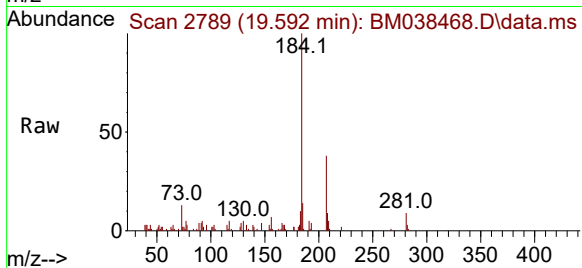
Tgt Ion:184 Resp: 29327

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

183 10.4 8.6 13.0



#78

Pyrene

Concen: 4.242 ng

RT: 19.768 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

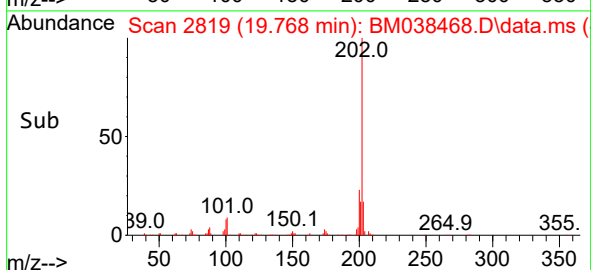
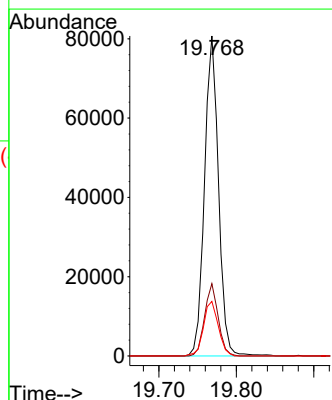
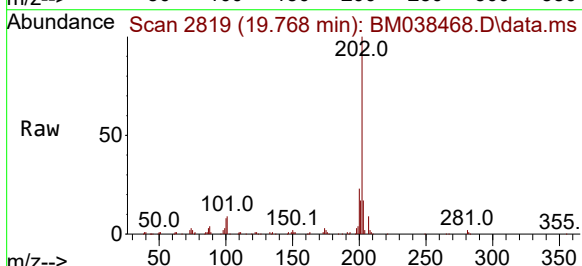
Tgt Ion:202 Resp: 101073

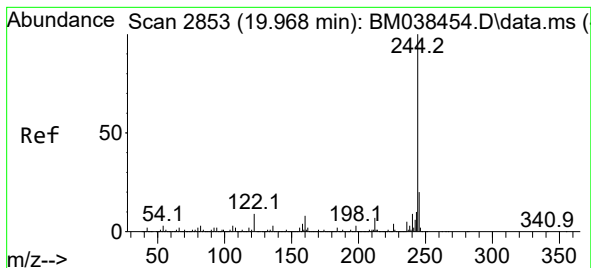
Ion Ratio Lower Upper

202 100

200 22.6 16.9 25.3

203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 66.601 ng

RT: 19.968 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

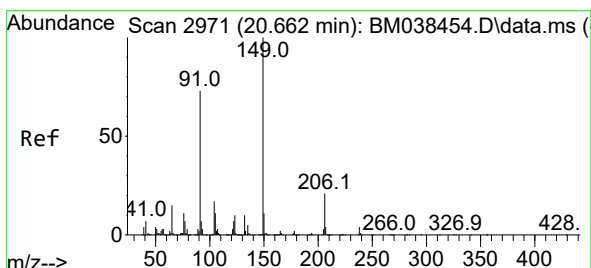
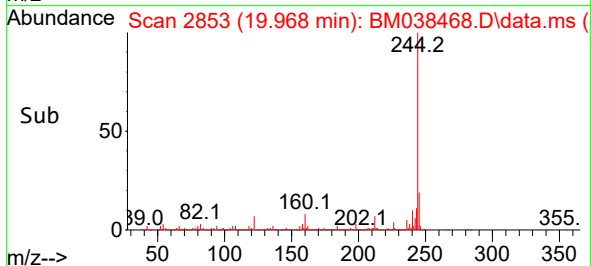
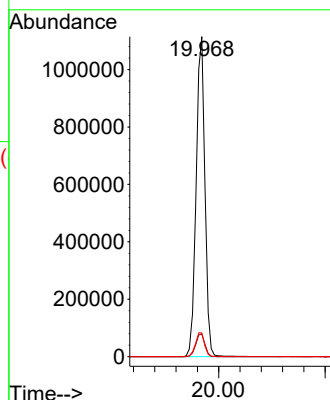
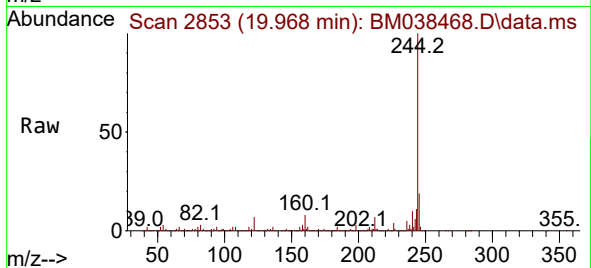
Tgt Ion:244 Resp: 1273690

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 7.5 7.1 10.7



#80

Butylbenzylphthalate

Concen: 4.120 ng

RT: 20.657 min Scan# 2970

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

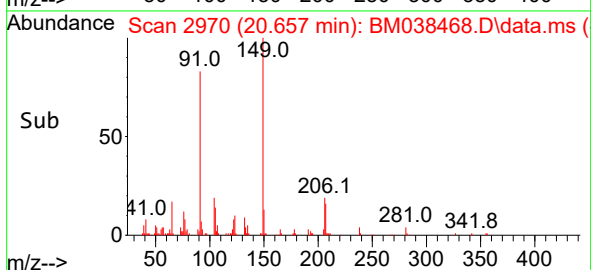
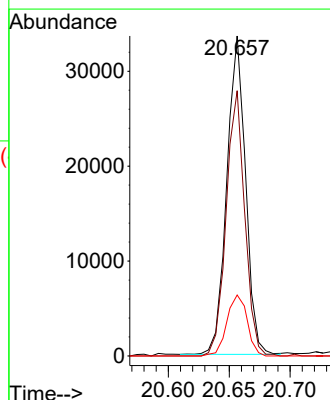
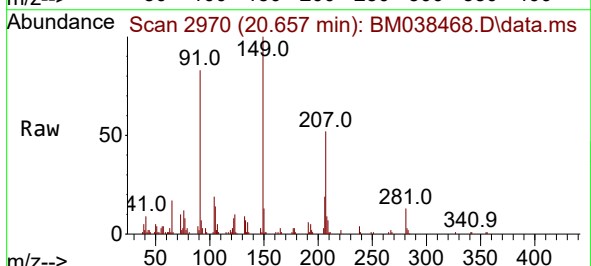
Tgt Ion:149 Resp: 35880

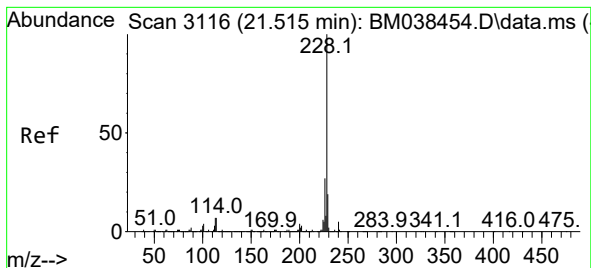
Ion Ratio Lower Upper

149 100

91 82.9 58.3 87.5

206 19.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 4.441 ng

RT: 21.509 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

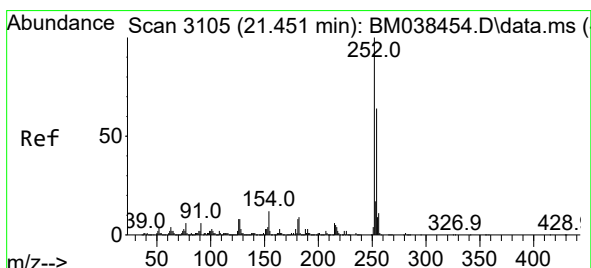
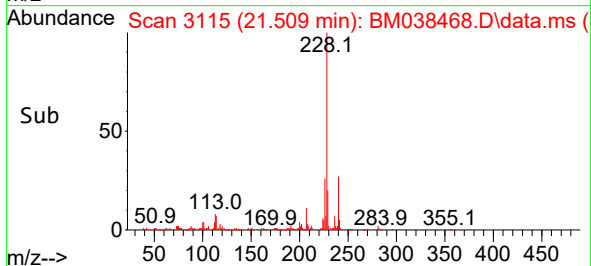
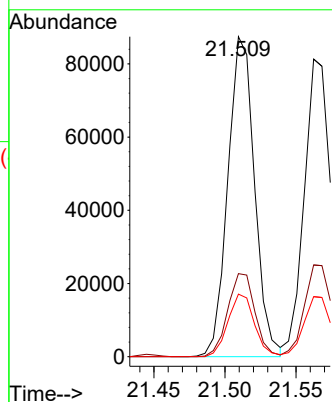
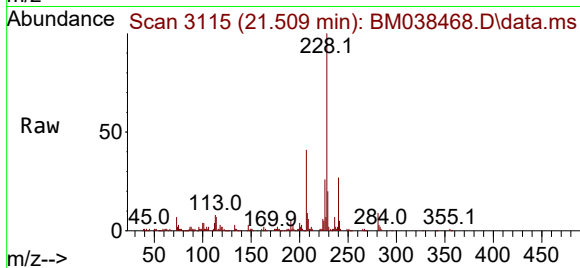
Tgt Ion:228 Resp: 114340

Ion Ratio Lower Upper

228 100

226 25.9 22.0 33.0

229 19.6 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 3.697 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

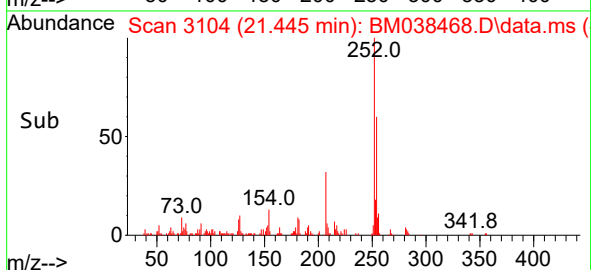
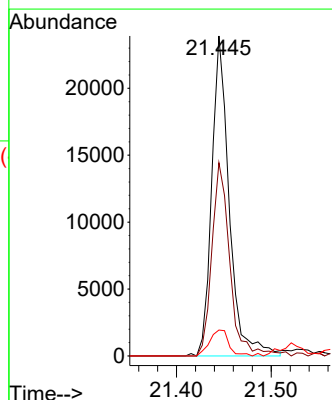
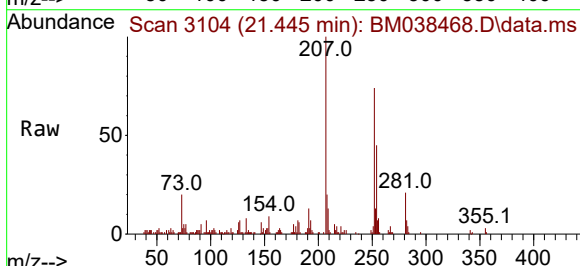
Tgt Ion:252 Resp: 30655

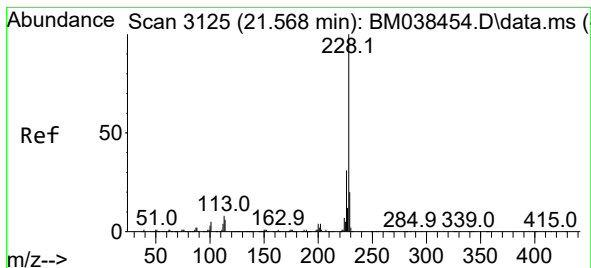
Ion Ratio Lower Upper

252 100

254 60.4 51.2 76.8

126 8.1 6.3 9.5





#83

Chrysene

Concen: 4.313 ng

RT: 21.562 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

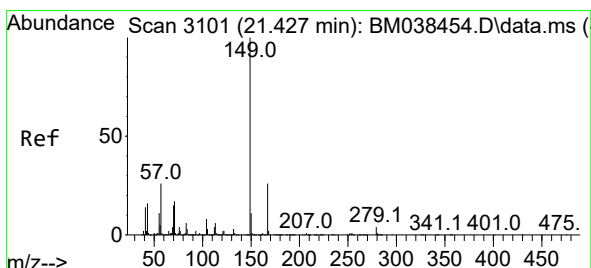
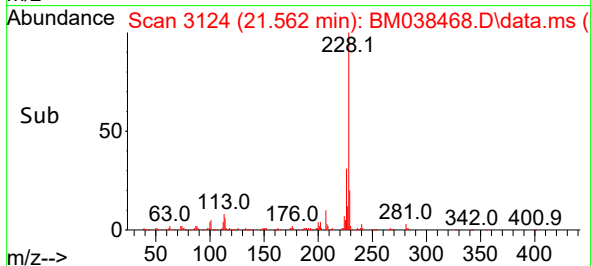
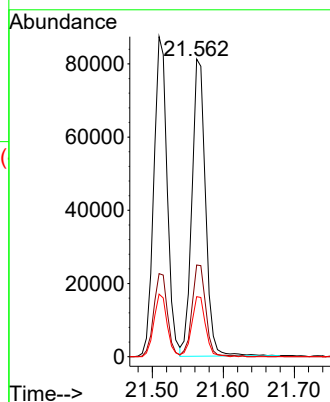
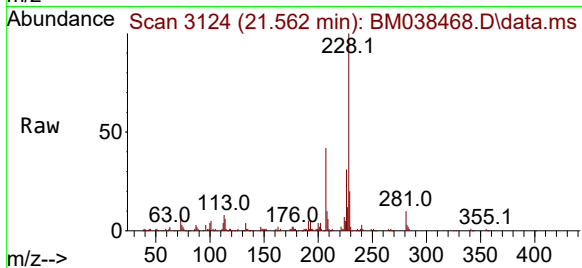
Tgt Ion:228 Resp: 107916

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

229 20.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.120 ng

RT: 21.427 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

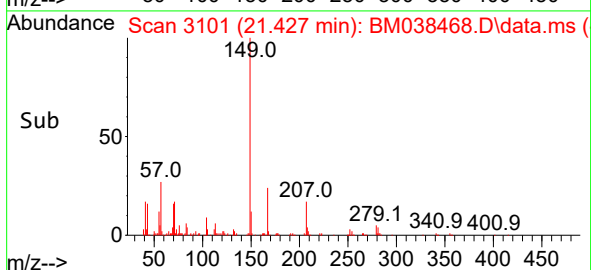
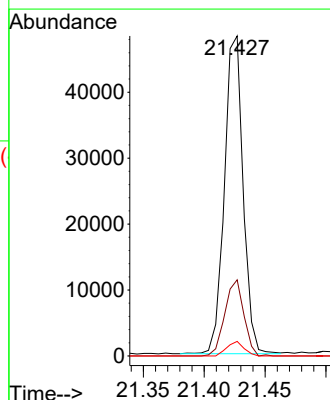
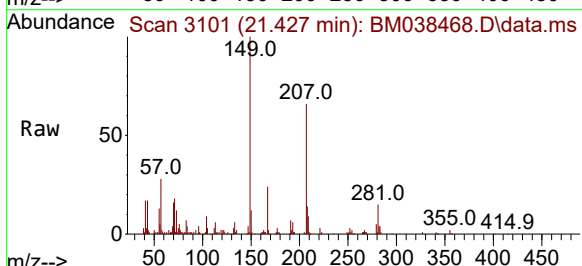
Tgt Ion:149 Resp: 51574

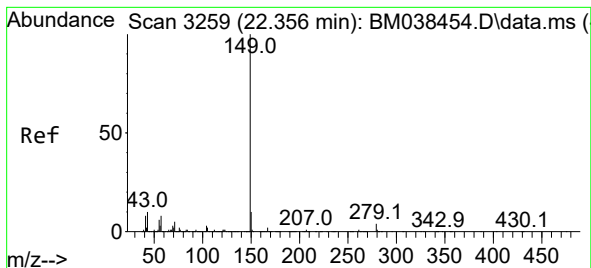
Ion Ratio Lower Upper

149 100

167 23.8 21.0 31.4

279 4.6 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 4.204 ng

RT: 22.351 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

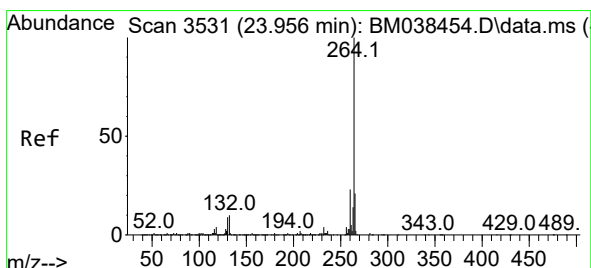
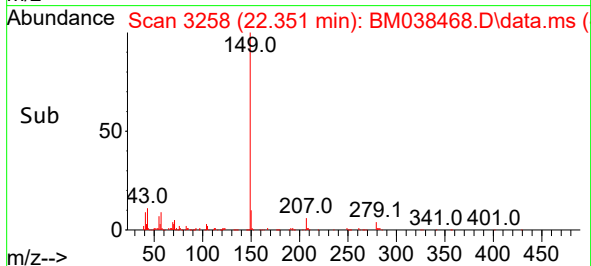
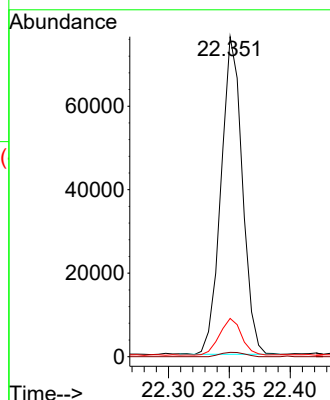
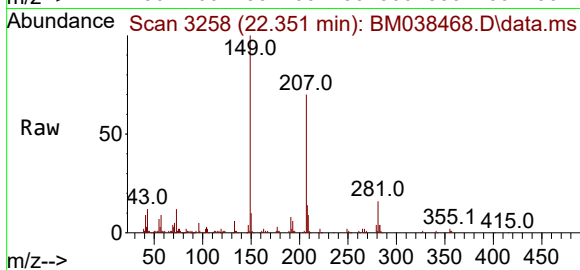
Tgt Ion:149 Resp: 92610

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 12.0 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.950 min Scan# 3530

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

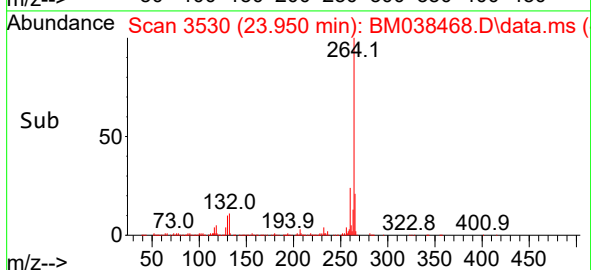
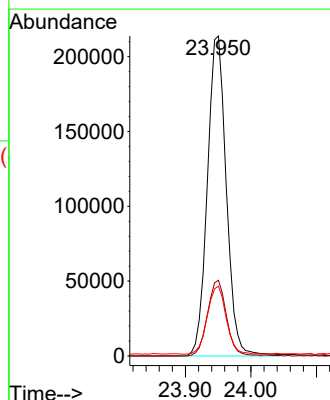
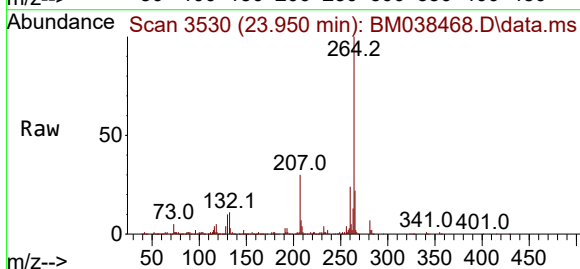
Tgt Ion:264 Resp: 429290

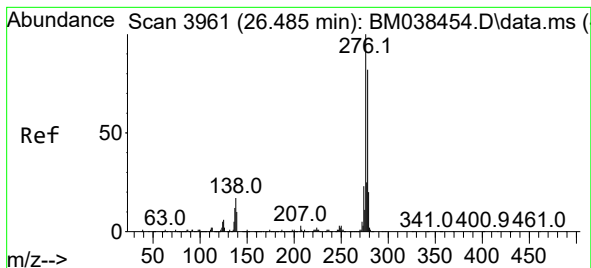
Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.116 ng

RT: 26.468 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

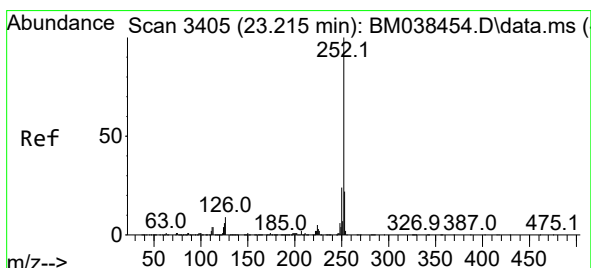
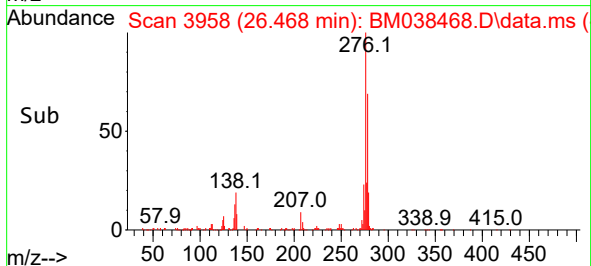
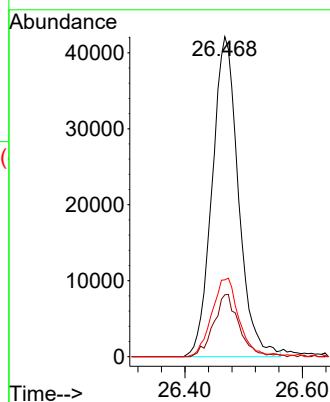
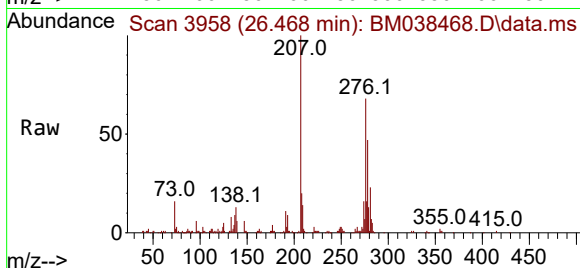
Tgt Ion:276 Resp: 130773

Ion Ratio Lower Upper

276 100

138 18.9 13.4 20.2

277 25.0 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 4.529 ng

RT: 23.209 min Scan# 3404

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

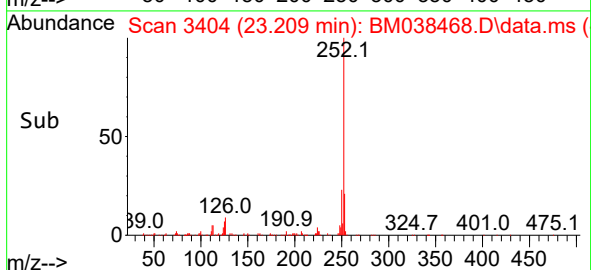
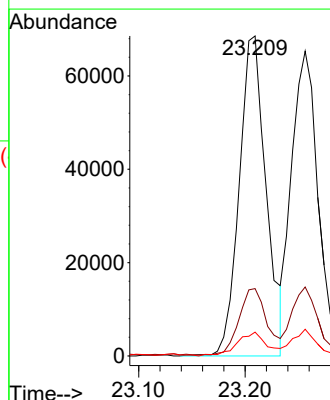
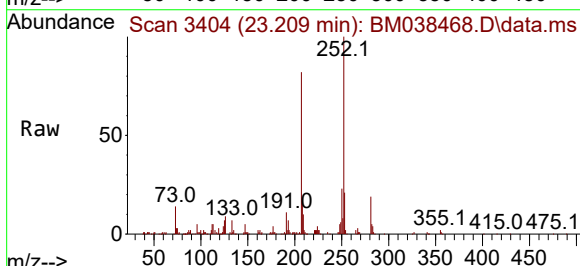
Tgt Ion:252 Resp: 120548

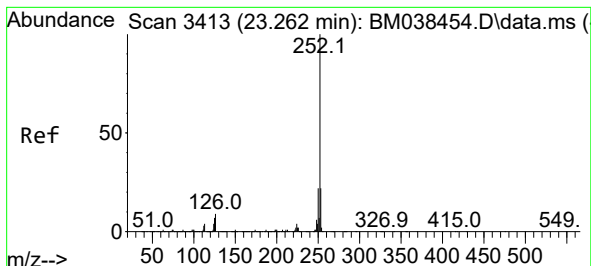
Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

125 7.5 5.1 7.7





#89

Benzo(k)fluoranthene

Concen: 4.379 ng

RT: 23.209 min Scan# 3413

Delta R.T. -0.053 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

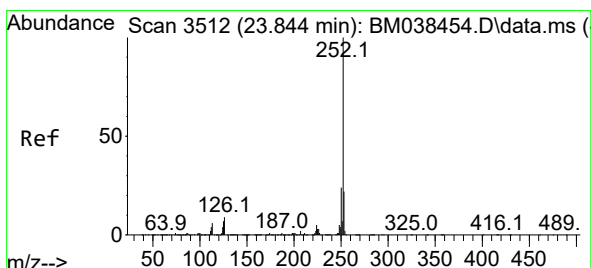
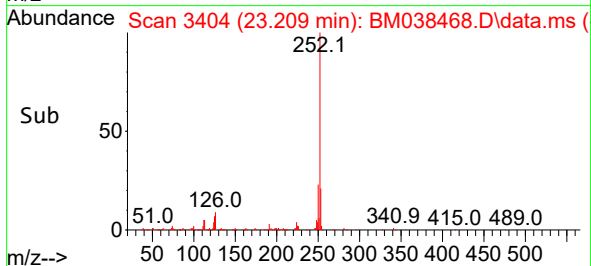
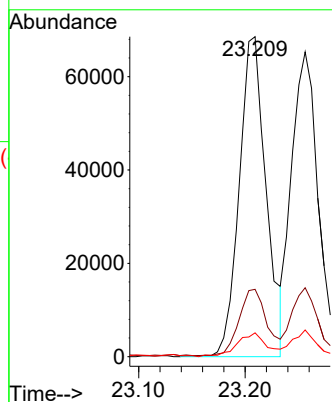
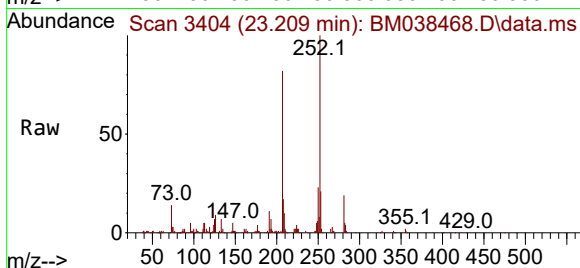
Tgt Ion:252 Resp: 120548

Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

125 7.5 5.5 8.3



#90

Benzo(a)pyrene

Concen: 3.938 ng

RT: 23.839 min Scan# 3511

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

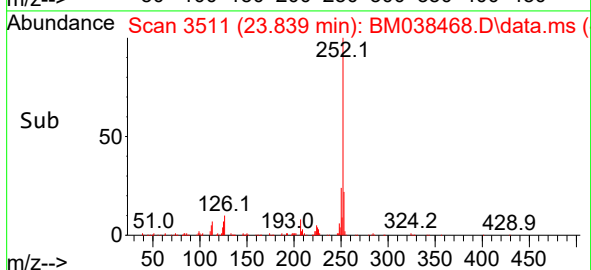
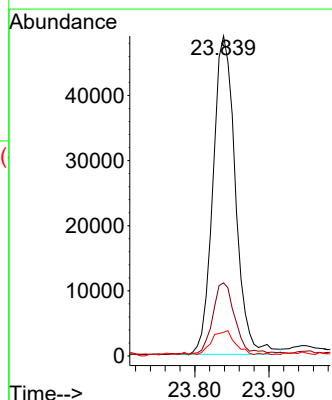
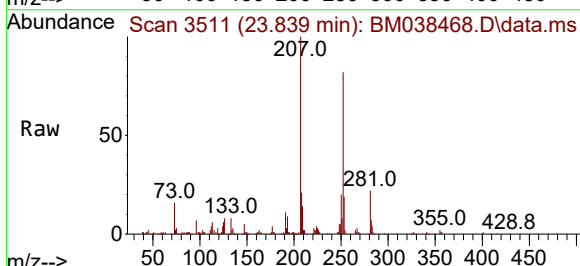
Tgt Ion:252 Resp: 102857

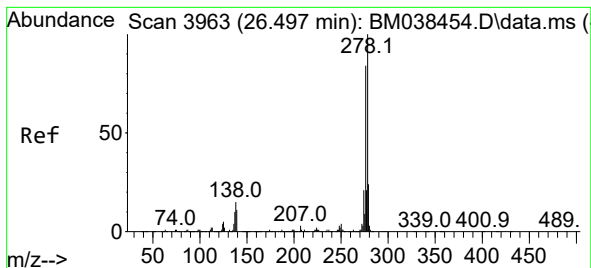
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 7.4 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 4.222 ng

RT: 26.480 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

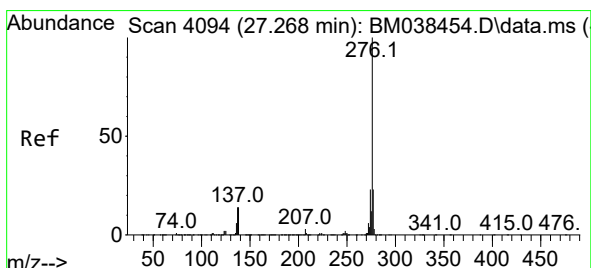
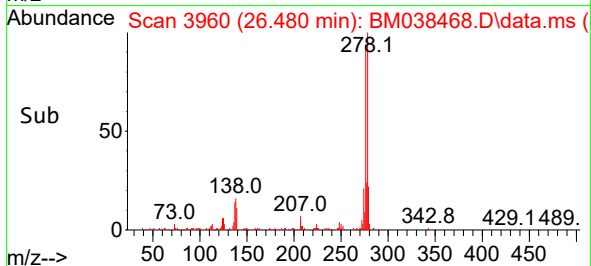
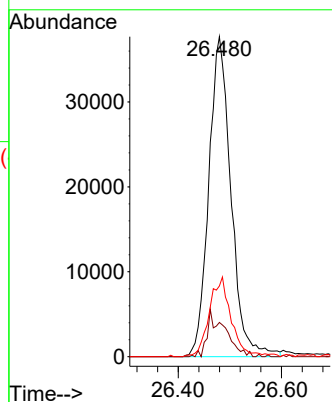
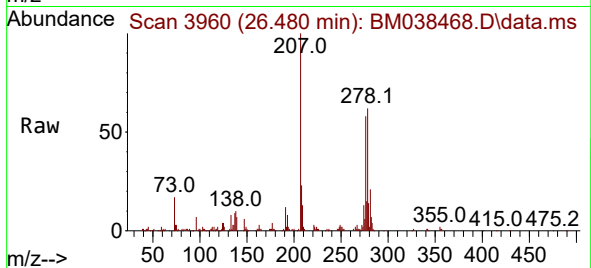
Tgt Ion:278 Resp: 112568

Ion Ratio Lower Upper

278 100

139 10.7 8.4 12.6

279 22.1 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 4.298 ng

RT: 27.250 min Scan# 4091

Delta R.T. -0.018 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Tgt Ion:276 Resp: 113694

Ion Ratio Lower Upper

276 100

277 22.9 18.6 27.8

138 17.2 11.3 16.9#

