

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038466.D
 Acq On : 17 Jan 2023 16:16
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 19 04:49:53 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	62676	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	224585	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	137585	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	320180	20.000	ng	0.00
76) Chrysene-d12	21.527	240	342212	20.000	ng	0.00
86) Perylene-d12	23.950	264	416614	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	344324	83.801	ng	-0.01
7) Phenol-d6	7.134	99	419363	79.676	ng	-0.01
23) Nitrobenzene-d5	9.145	82	346002	62.773	ng	-0.01
42) 2,4,6-Tribromophenol	16.098	330	173681	74.673	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	654387	59.315	ng	0.00
79) Terphenyl-d14	19.968	244	1193566	65.293	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	8656	4.610	ng	98
3) Pyridine	3.810	79	19033	3.504	ng	# 90
4) n-Nitrosodimethylamine	3.710	42	14063	4.376	ng	# 96
6) Aniline	7.304	93	27431	4.126	ng	97
8) 2-Chlorophenol	7.528	128	18247	4.485	ng	90
9) Benzaldehyde	7.116	77	17191	4.884	ng	94
10) Phenol	7.163	94	24860	4.532	ng	93
11) bis(2-Chloroethyl)ether	7.398	93	19132	4.304	ng	93
12) 1,3-Dichlorobenzene	7.857	146	20370	4.674	ng	99
13) 1,4-Dichlorobenzene	7.857	146	20370	4.646	ng	98
14) 1,2-Dichlorobenzene	8.328	146	20310	4.738	ng	97
15) Benzyl Alcohol	8.222	79	17460	4.142	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.510	45	29472	4.756	ng	97
17) 2-Methylphenol	8.422	107	14351	3.874	ng	93
18) Hexachloroethane	9.051	117	8672	4.829	ng	96
19) n-Nitroso-di-n-propyla...	8.781	70	15707	4.111	ng	97
20) 3+4-Methylphenols	8.751	107	18902	3.800	ng	95
22) Acetophenone	8.810	105	24729	3.725	ng	# 98
24) Nitrobenzene	9.187	77	27190	4.669	ng	95
25) Isophorone	9.710	82	39171	4.012	ng	97
26) 2-Nitrophenol	9.904	139	7946	3.886	ng	# 92
27) 2,4-Dimethylphenol	9.957	122	13903	3.993	ng	97
28) bis(2-Chloroethoxy)met...	10.198	93	22816	4.155	ng	94
29) 2,4-Dichlorophenol	10.434	162	14135	3.675	ng	97
30) 1,2,4-Trichlorobenzene	10.645	180	19023	4.277	ng	93
31) Naphthalene	10.839	128	49792	4.183	ng	95
32) Benzoic acid	10.034	122	4072	6.352	ng	92
33) 4-Chloroaniline	10.957	127	17897	3.426	ng	# 90
34) Hexachlorobutadiene	11.110	225	13037	4.180	ng	94
35) Caprolactam	11.739	113	2926	2.692	ng	# 86
36) 4-Chloro-3-methylphenol	12.069	107	15488	3.693	ng	94
37) 2-Methylnaphthalene	12.439	142	31713	3.644	ng	97
38) 1-Methylnaphthalene	12.663	142	30505	3.734	ng	97
40) 1,2,4,5-Tetrachloroben...	12.810	216	18243	3.543	ng	99
41) Hexachlorocyclopentadiene	12.775	237	11549	3.944	ng	99
43) 2,4,6-Trichlorophenol	13.051	196	12074	3.709	ng	99

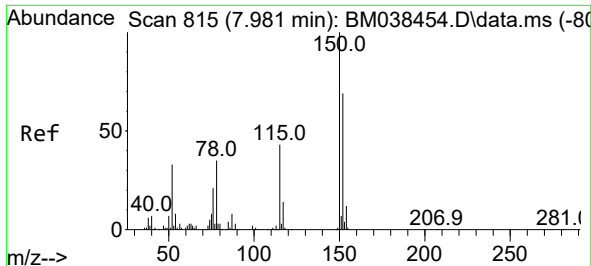
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.122	196	13374	3.485	ng	95
46) 1,1'-Biphenyl	13.445	154	38095	3.569	ng	96
47) 2-Chloronaphthalene	13.492	162	35362	4.209	ng	97
48) 2-Nitroaniline	13.704	65	10622	5.285	ng	97
49) Acenaphthylene	14.333	152	49764	3.757	ng	96
50) Dimethylphthalate	14.069	163	42762	3.835	ng	# 98
51) 2,6-Dinitrotoluene	14.192	165	8274	3.648	ng	# 84
52) Acenaphthene	14.674	154	32135	3.992	ng	98
53) 3-Nitroaniline	14.527	138	6946	5.278	ng	89
54) 2,4-Dinitrophenol	14.733	184	4075	7.516	ng	95
55) Dibenzofuran	15.004	168	53507	3.904	ng	99
56) 4-Nitrophenol	14.833	139	5194	6.337	ng	# 80
57) 2,4-Dinitrotoluene	14.980	165	9730	3.086	ng	# 95
58) Fluorene	15.657	166	41983	3.666	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	11399	3.350	ng	96
60) Diethylphthalate	15.421	149	43629	3.814	ng	99
61) 4-Chlorophenyl-phenyle...	15.645	204	22951	3.651	ng	# 88
62) 4-Nitroaniline	15.686	138	6868	5.360	ng	92
63) Azobenzene	15.939	77	47959	3.810	ng	97
65) 4,6-Dinitro-2-methylph...	15.745	198	5792	2.666	ng	96
66) n-Nitrosodiphenylamine	15.863	169	35191	3.746	ng	99
67) 4-Bromophenyl-phenylether	16.539	248	13692	3.697	ng	95
68) Hexachlorobenzene	16.657	284	16326	3.937	ng	# 93
69) Atrazine	16.810	200	10576	3.183	ng	91
70) Pentachlorophenol	17.004	266	8808	2.909	ng	91
71) Phenanthrene	17.392	178	69980	3.951	ng	99
72) Anthracene	17.486	178	66156	3.634	ng	99
73) Carbazole	17.762	167	59164	3.716	ng	97
74) Di-n-butylphthalate	18.309	149	71021	3.756	ng	99
75) Fluoranthene	19.404	202	80196	3.601	ng	98
77) Benzidine	19.598	184	26835	3.579	ng	98
78) Pyrene	19.768	202	85586	3.758	ng	98
80) Butylbenzylphthalate	20.656	149	30426	3.655	ng	89
81) Benzo(a)anthracene	21.509	228	97542	3.963	ng	99
82) 3,3'-Dichlorobenzidine	21.445	252	28343	3.576	ng	98
83) Chrysene	21.568	228	94287	3.942	ng	99
84) Bis(2-ethylhexyl)phtha...	21.427	149	44582	3.725	ng	98
85) Di-n-octyl phthalate	22.356	149	81834	3.887	ng	96
87) Indeno(1,2,3-cd)pyrene	26.468	276	115103	3.733	ng	99
88) Benzo(b)fluoranthene	23.256	252	102995	3.987	ng	99
89) Benzo(k)fluoranthene	23.256	252	102995	3.855	ng	99
90) Benzo(a)pyrene	23.839	252	92452	3.647	ng	# 98
91) Dibenzo(a,h)anthracene	26.485	278	102047	3.944	ng	98
92) Benzo(g,h,i)perylene	27.244	276	101496	3.954	ng	99

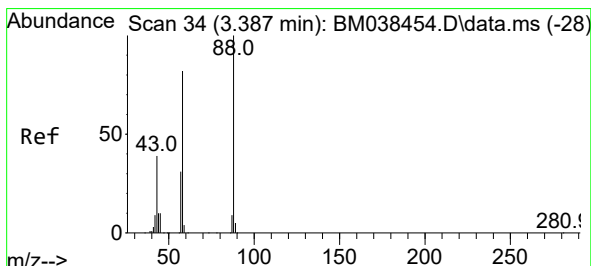
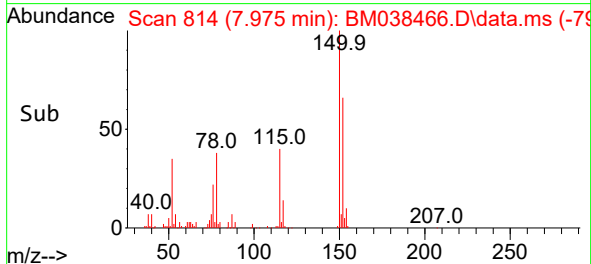
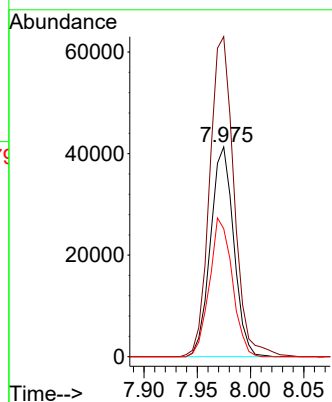
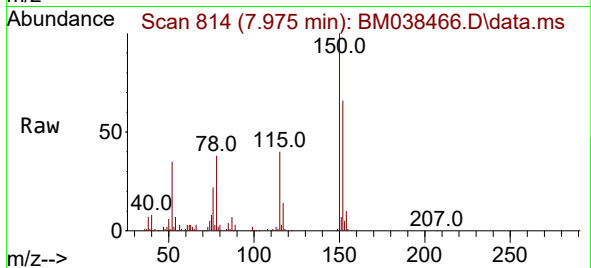
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

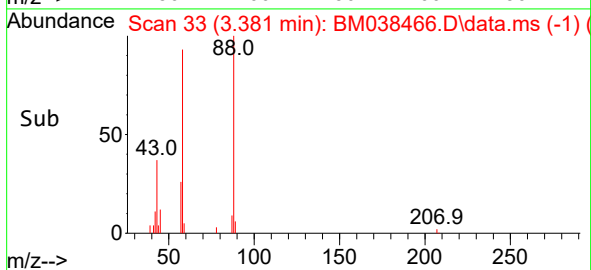
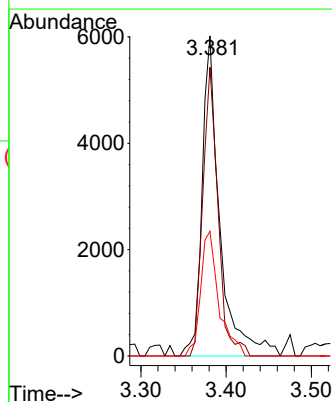
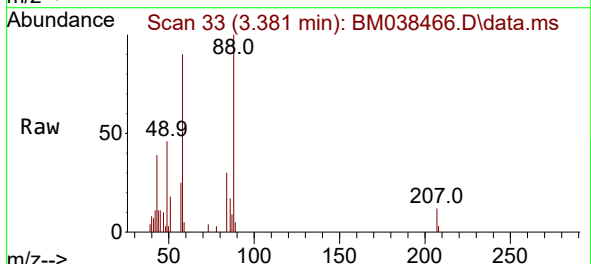
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

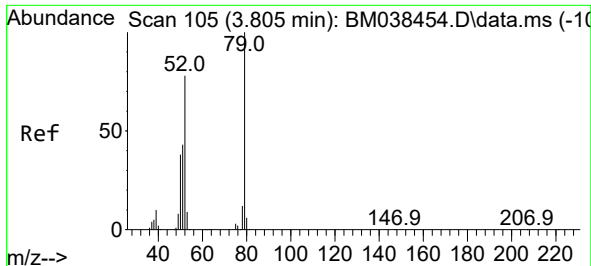
Tgt Ion:152 Resp: 62676
Ion Ratio Lower Upper
152 100
150 152.5 116.0 174.0
115 61.0 49.4 74.2



#2
1,4-Dioxane
Concen: 4.610 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 88 Resp: 8656
Ion Ratio Lower Upper
88 100
58 77.6 64.3 96.5
43 40.1 32.3 48.5

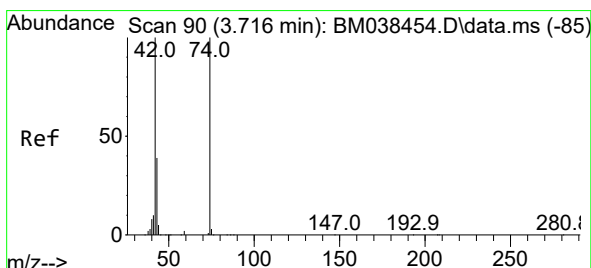
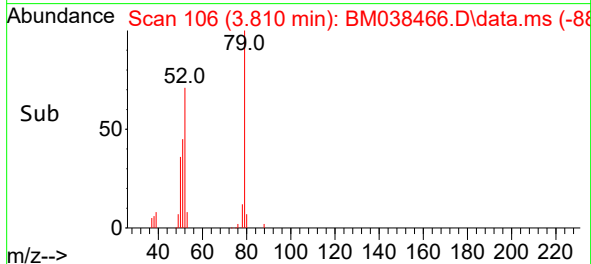
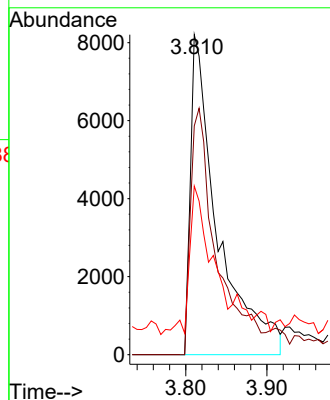
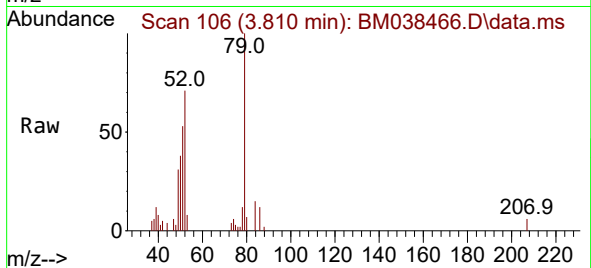




#3
Pyridine
Concen: 3.504 ng
RT: 3.810 min Scan# 105
Delta R.T. 0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

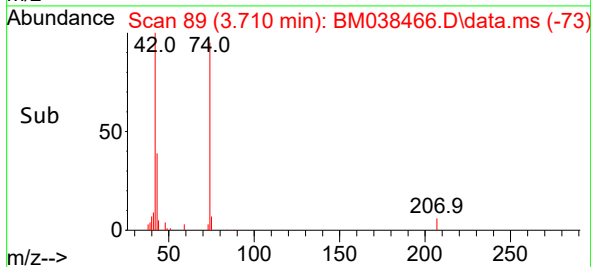
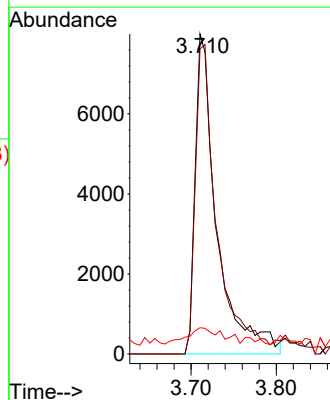
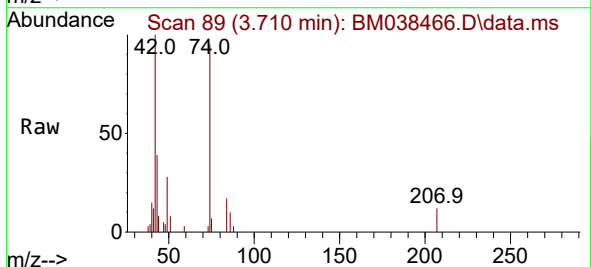
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ClientSampleId :
LOQ-SOIL-02-QT3-2022

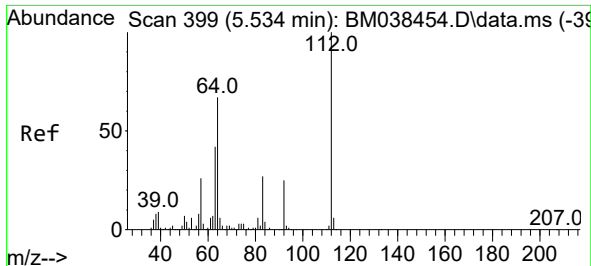
Tgt Ion: 79 Resp: 19033
Ion Ratio Lower Upper
79 100
52 71.5 62.2 93.2
51 52.7 34.8 52.2#



#4
n-Nitrosodimethylamine
Concen: 4.376 ng
RT: 3.710 min Scan# 89
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 42 Resp: 14063
Ion Ratio Lower Upper
42 100
74 95.4 79.7 119.5
44 8.2 4.7 7.1#

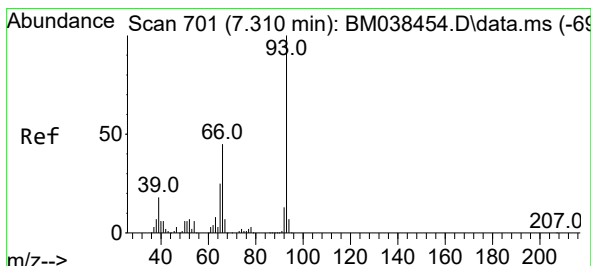
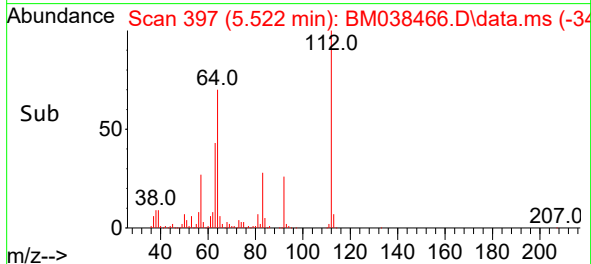
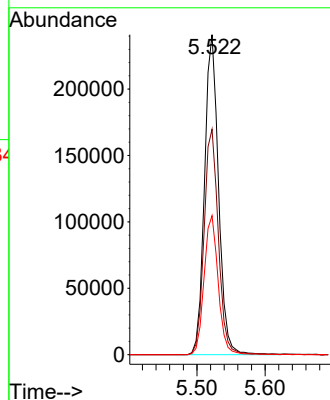
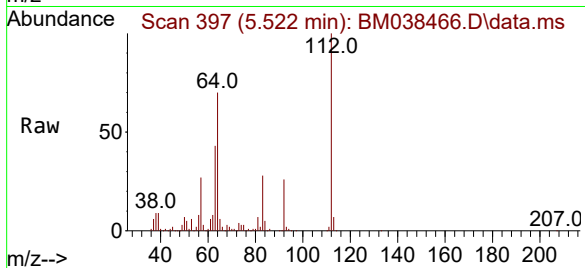




#5
2-Fluorophenol
Concen: 83.801 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

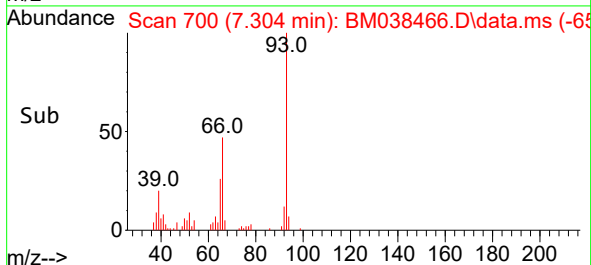
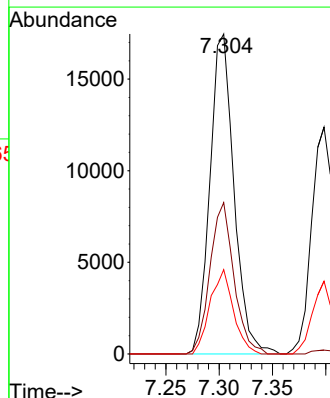
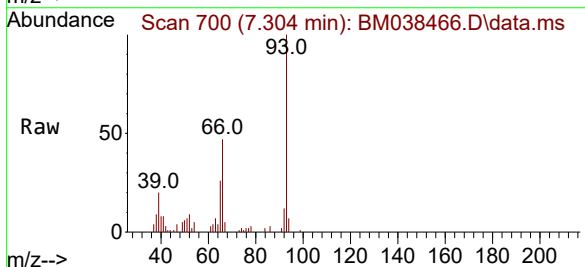
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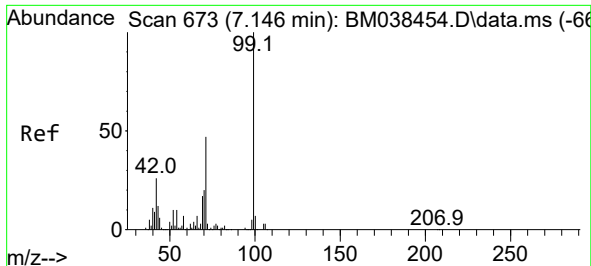
Tgt Ion:112 Resp: 344324
Ion Ratio Lower Upper
112 100
64 70.5 53.7 80.5
63 43.5 33.7 50.5



#6
Aniline
Concen: 4.126 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 93 Resp: 27431
Ion Ratio Lower Upper
93 100
66 47.3 36.2 54.2
65 26.3 19.8 29.8

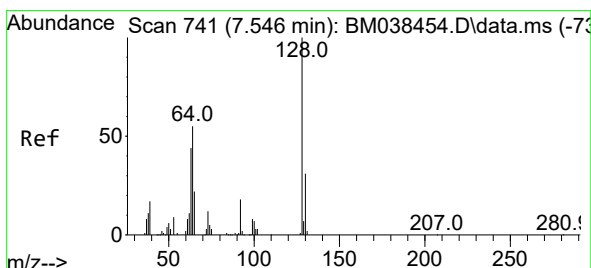
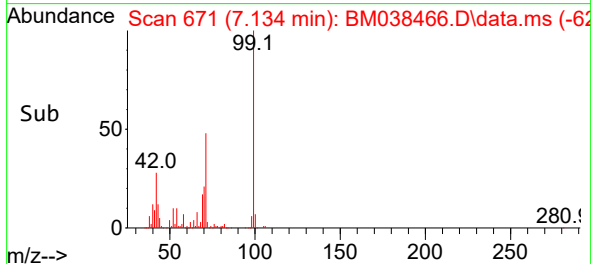
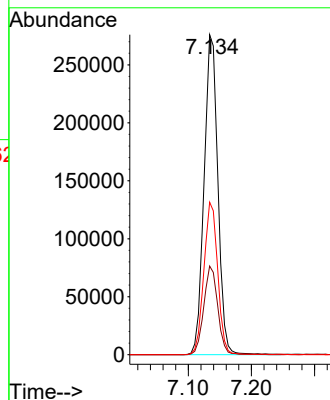
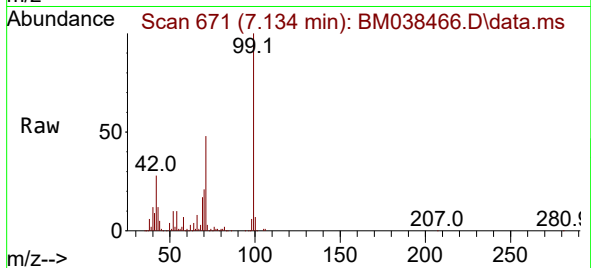




#7
Phenol-d6
Concen: 79.676 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

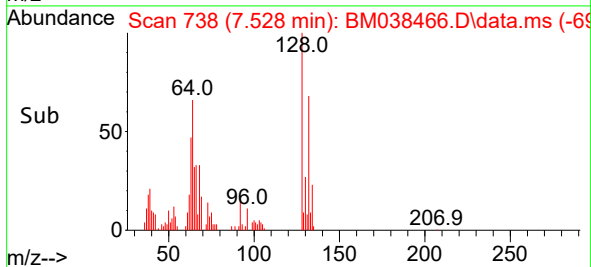
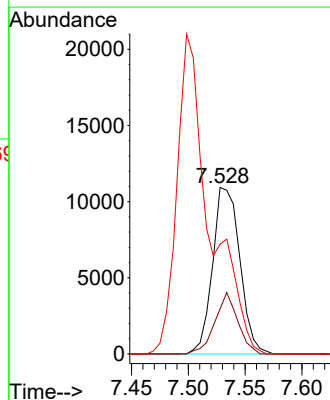
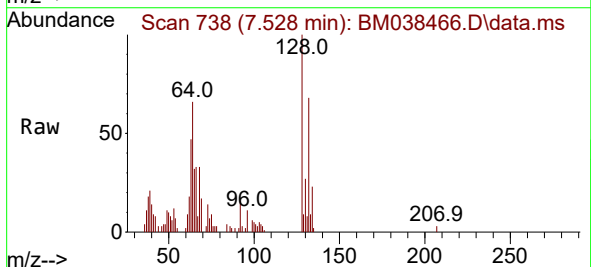
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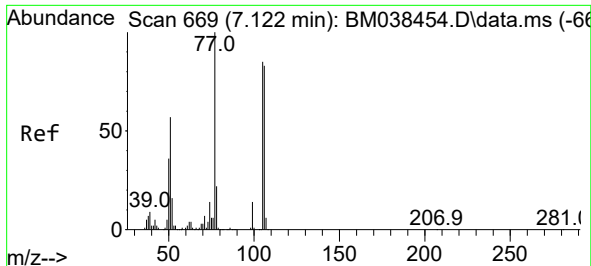
Tgt Ion: 99 Resp: 419363
Ion Ratio Lower Upper
99 100
42 27.7 20.8 31.2
71 47.7 37.8 56.8



#8
2-Chlorophenol
Concen: 4.485 ng
RT: 7.528 min Scan# 738
Delta R.T. -0.018 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 128 Resp: 18247
Ion Ratio Lower Upper
128 100
130 27.0 11.5 51.5
64 65.9 38.0 78.0

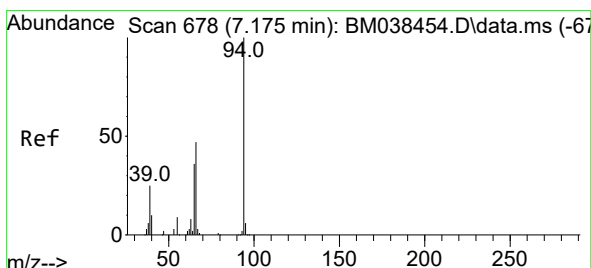
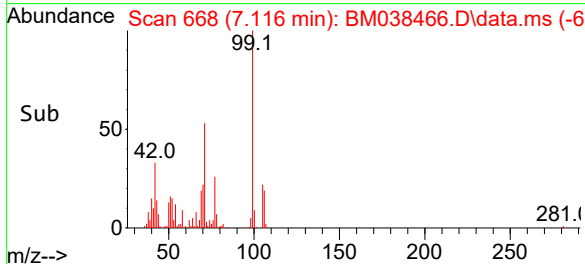
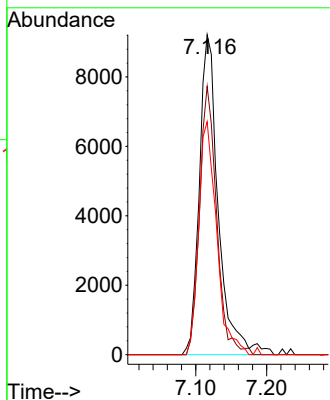
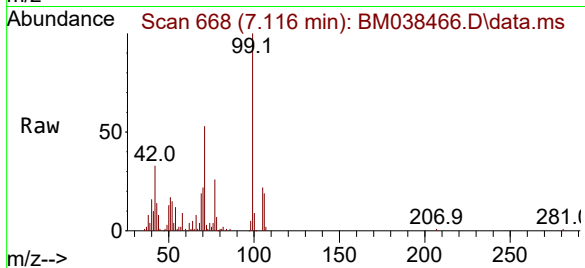




#9
Benzaldehyde
Concen: 4.884 ng
RT: 7.116 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

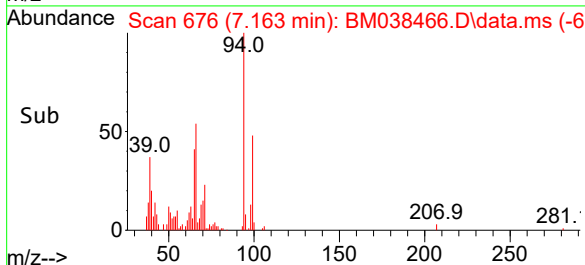
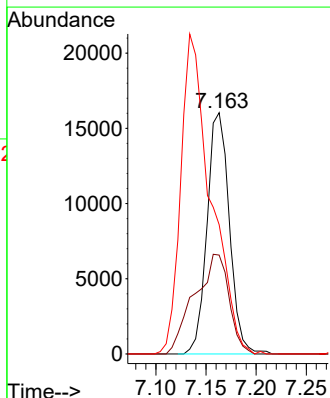
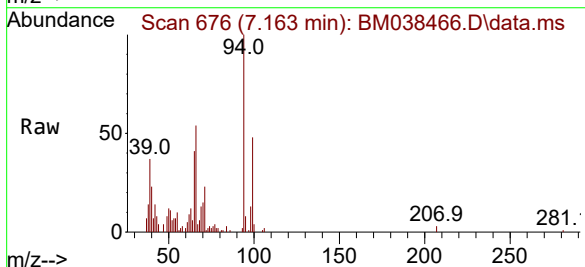
Instrument :
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ClientSampleId :
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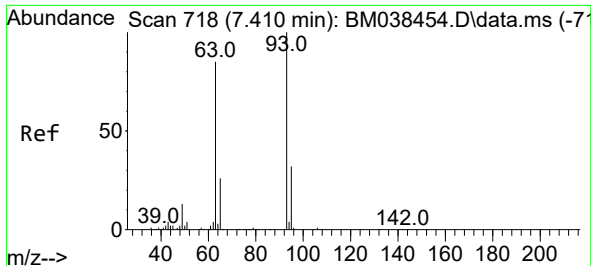
Tgt Ion: 77 Resp: 17191
Ion Ratio Lower Upper
77 100
105 83.8 65.3 105.3
106 72.8 62.5 102.5



#10
Phenol
Concen: 4.532 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 94 Resp: 24860
Ion Ratio Lower Upper
94 100
65 41.0 16.3 56.3
66 53.6 29.2 69.2

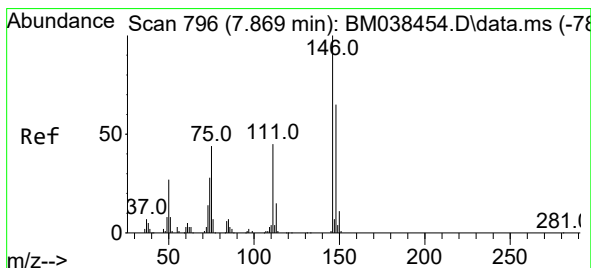
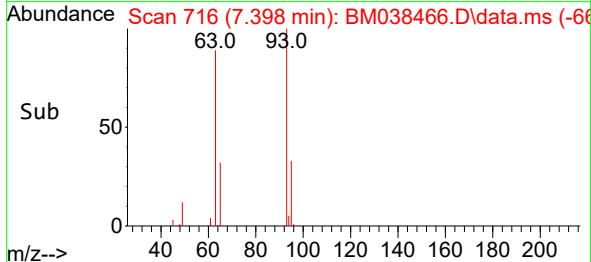
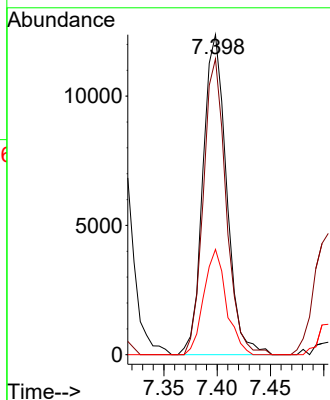
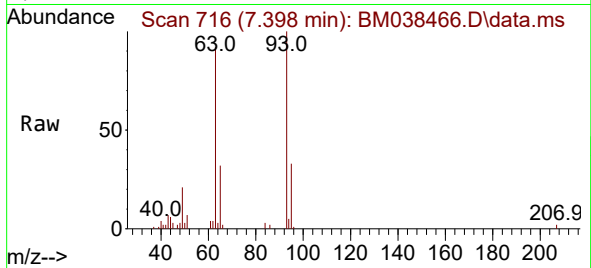




#11
bis(2-Chloroethyl)ether
Concen: 4.304 ng
RT: 7.398 min Scan# 716
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

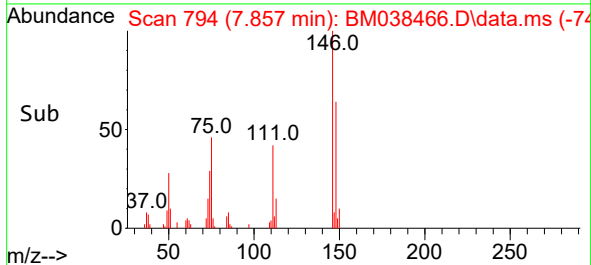
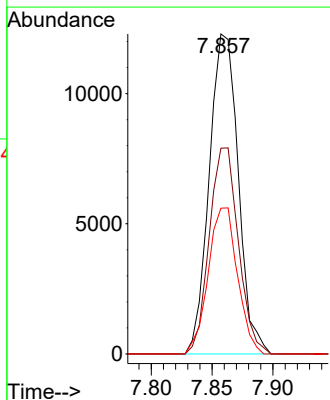
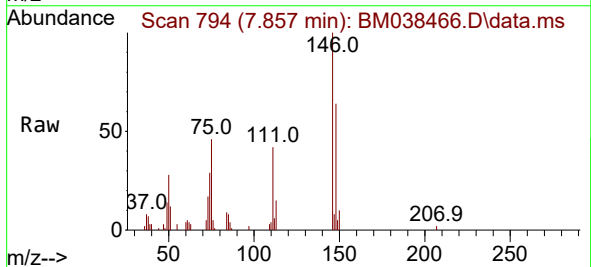
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

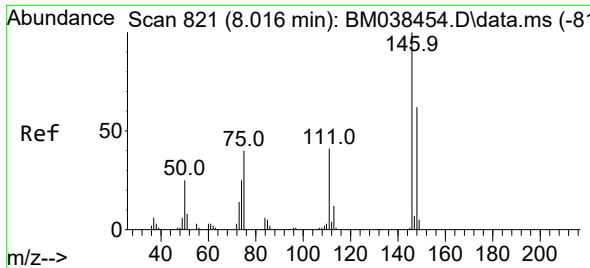
Tgt Ion: 93 Resp: 19132
Ion Ratio Lower Upper
93 100
63 92.4 64.6 104.6
95 32.9 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 4.674 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:146 Resp: 20370
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 45.6 35.1 52.7

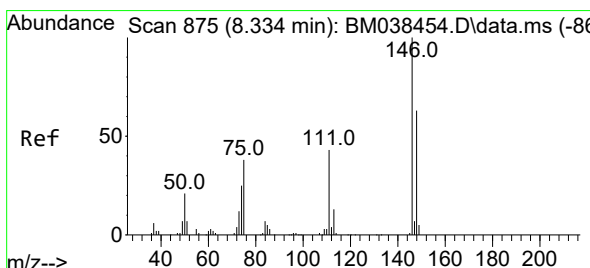
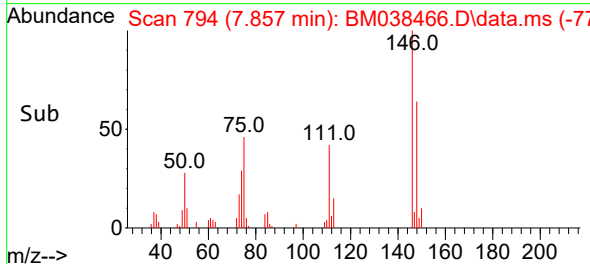
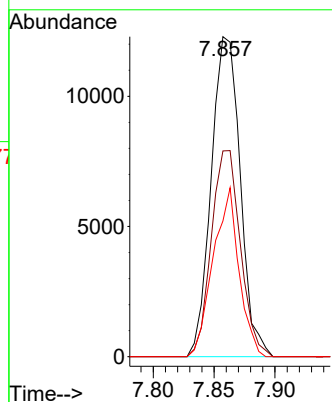
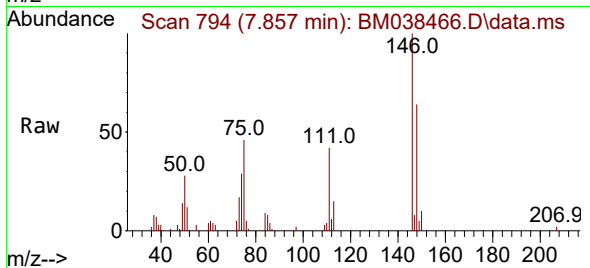




#13
1,4-Dichlorobenzene
Concen: 4.646 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.159 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

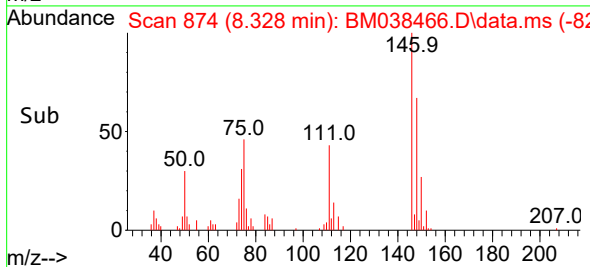
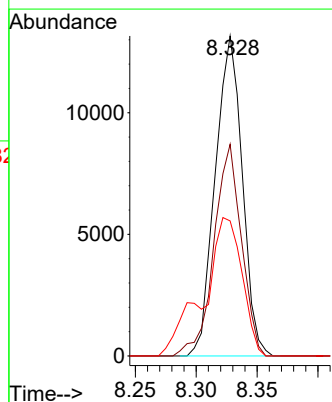
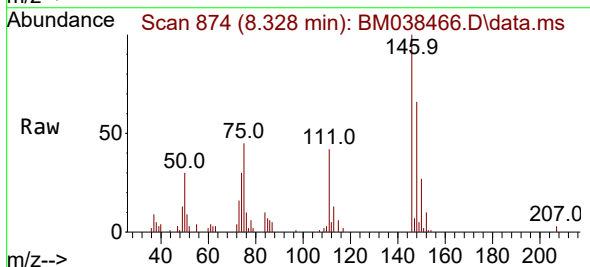
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

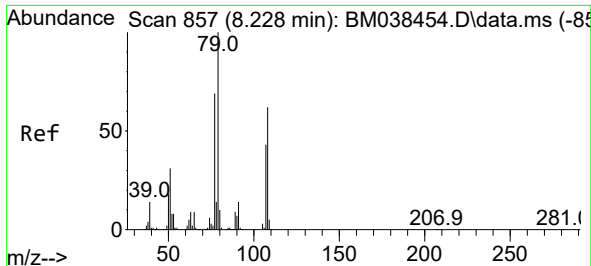
Tgt Ion:146 Resp: 20370
Ion Ratio Lower Upper
146 100
148 64.3 50.1 75.1
111 42.4 32.8 49.2



#14
1,2-Dichlorobenzene
Concen: 4.738 ng
RT: 8.328 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:146 Resp: 20310
Ion Ratio Lower Upper
146 100
148 66.2 50.7 76.1
111 42.2 35.2 52.8

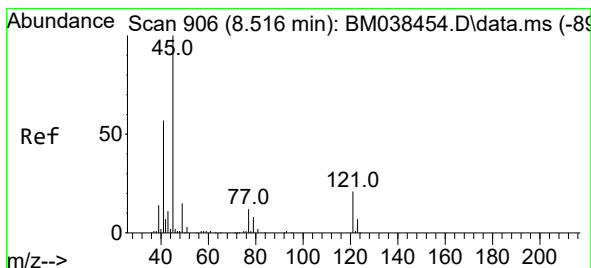
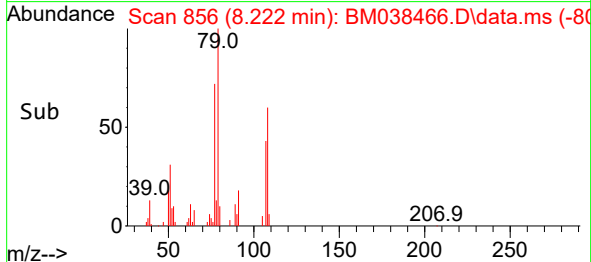
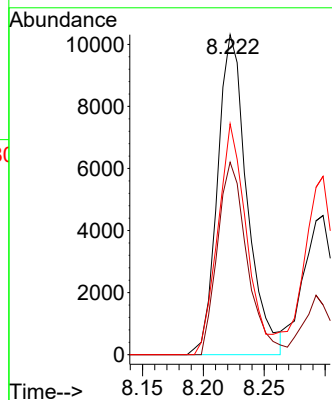
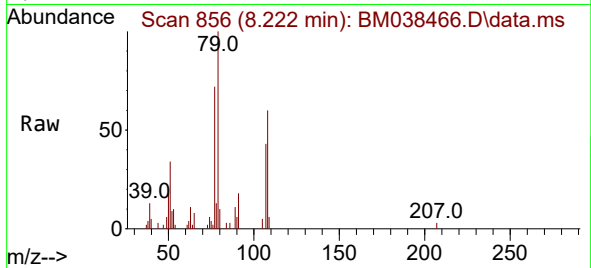




#15
Benzyl Alcohol
Concen: 4.142 ng
RT: 8.222 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

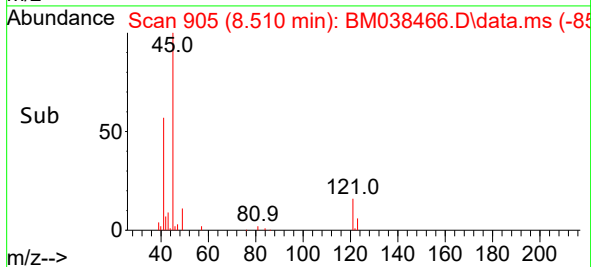
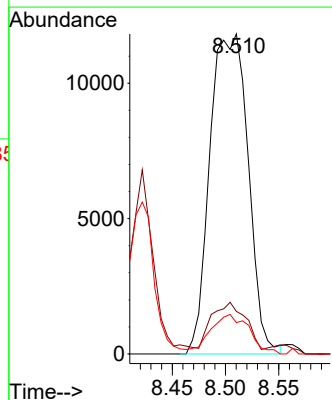
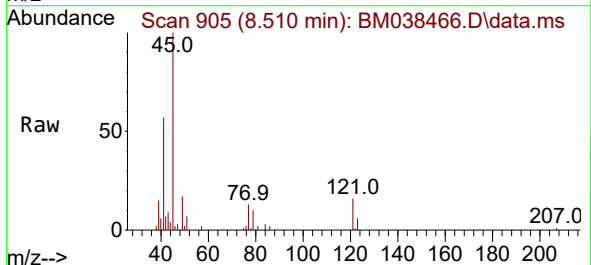
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

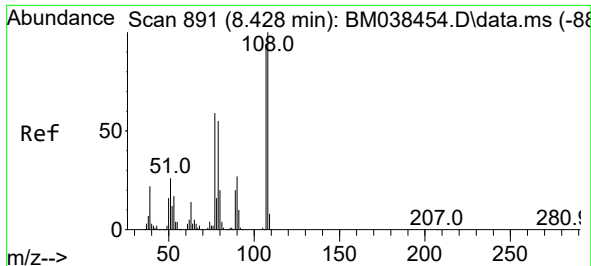
Tgt Ion: 79 Resp: 17460
Ion Ratio Lower Upper
79 100
108 60.1 49.3 73.9
77 72.2 55.1 82.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.756 ng
RT: 8.510 min Scan# 905
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 45 Resp: 29472
Ion Ratio Lower Upper
45 100
77 13.3 0.0 34.7
79 9.8 0.0 30.4

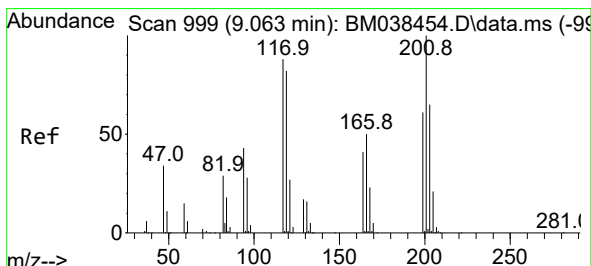
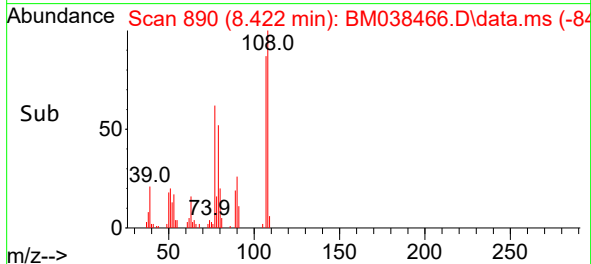
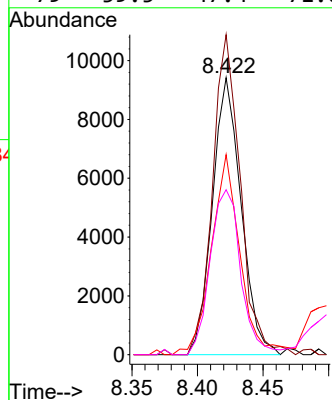
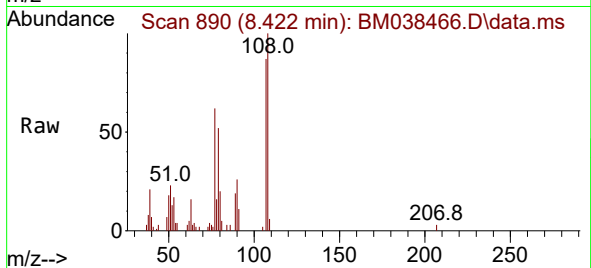




#17
2-Methylphenol
Concen: 3.874 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

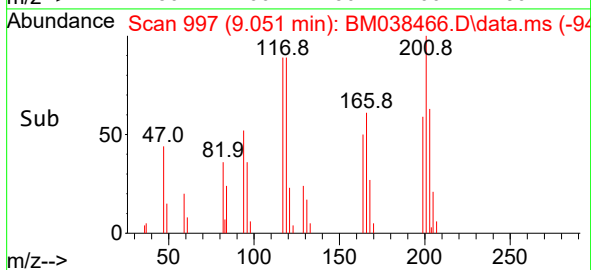
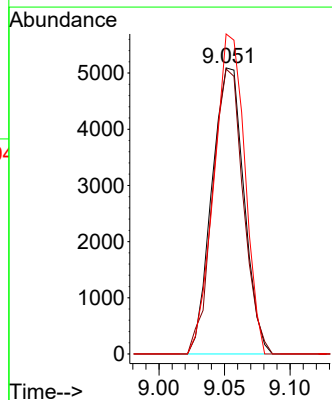
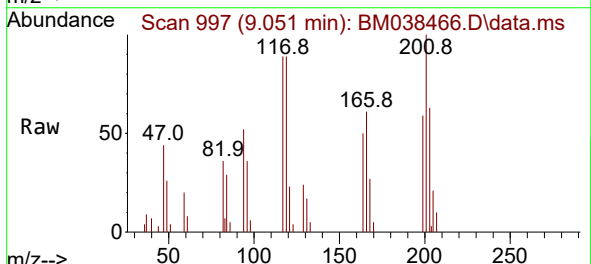
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

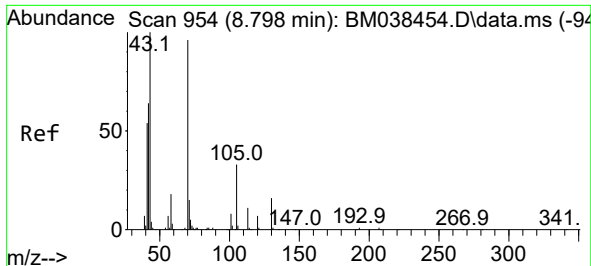
Tgt Ion:	107	Resp:	14351
Ion	Ratio	Lower	Upper
107	100		
108	115.5	85.7	128.5
77	72.2	50.5	75.7
79	59.5	47.4	71.0



#18
Hexachloroethane
Concen: 4.829 ng
RT: 9.051 min Scan# 997
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:	117	Resp:	8672
Ion	Ratio	Lower	Upper
117	100		
119	99.6	74.5	111.7
201	111.9	91.3	136.9

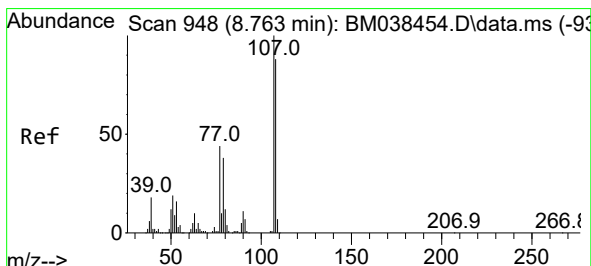
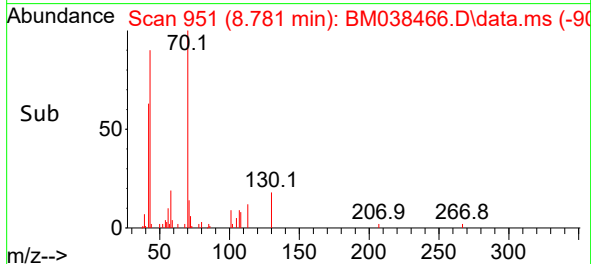
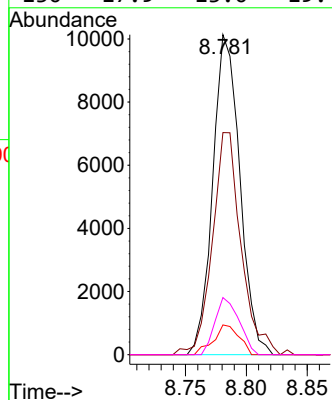
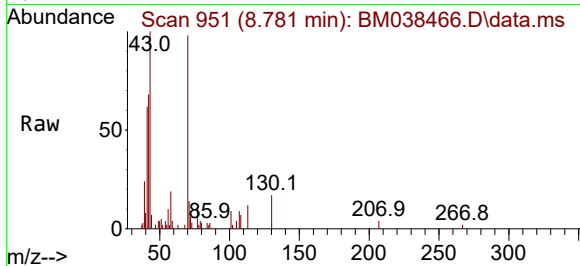




#19
n-Nitroso-di-n-propylamine
Concen: 4.111 ng
RT: 8.781 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

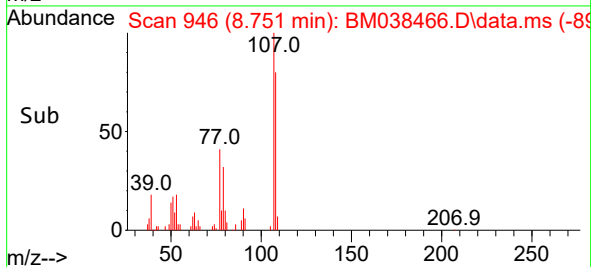
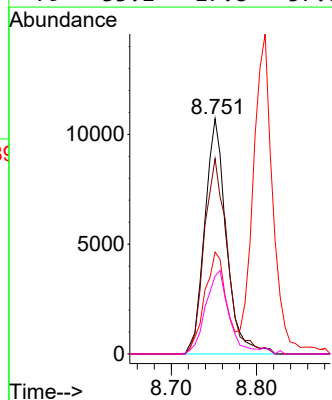
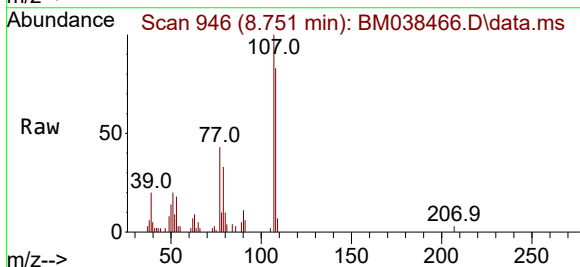
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

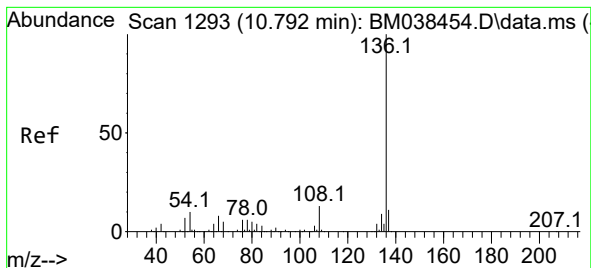
Tgt Ion:	70	Resp:	15707
Ion	Ratio	Lower	Upper
70	100		
42	69.4	54.2	81.2
101	9.3	6.6	10.0
130	17.9	13.0	19.4



#20
3+4-Methylphenols
Concen: 3.800 ng
RT: 8.751 min Scan# 946
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:	107	Resp:	18902
Ion	Ratio	Lower	Upper
107	100		
108	83.0	67.6	107.6
77	43.3	24.1	64.1
79	33.1	17.8	57.8

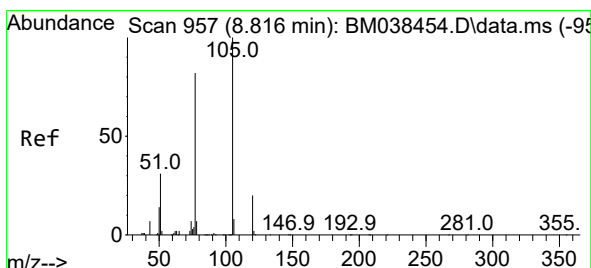
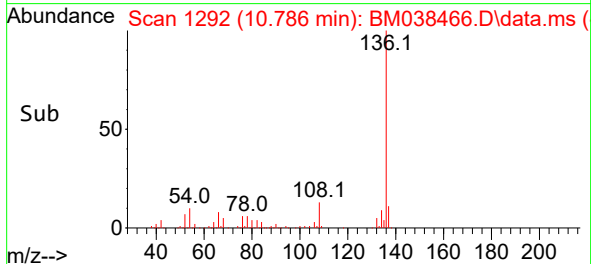
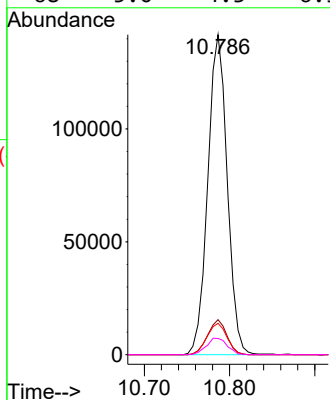
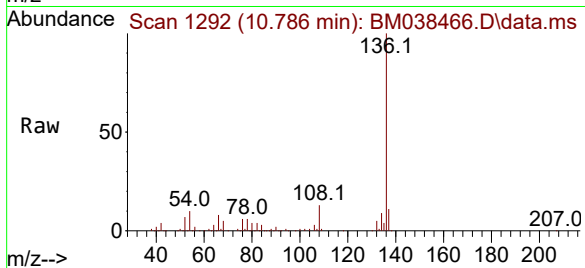




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

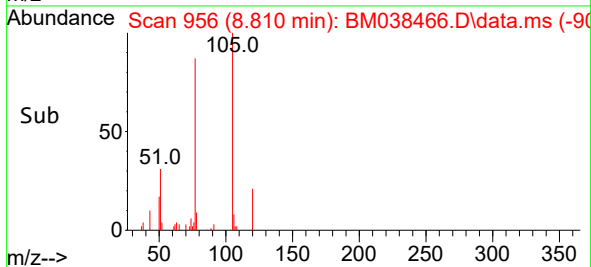
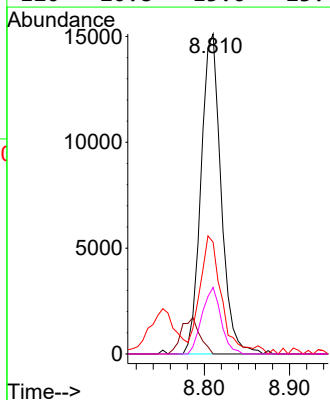
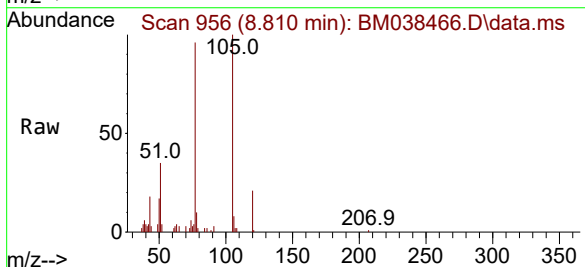
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022

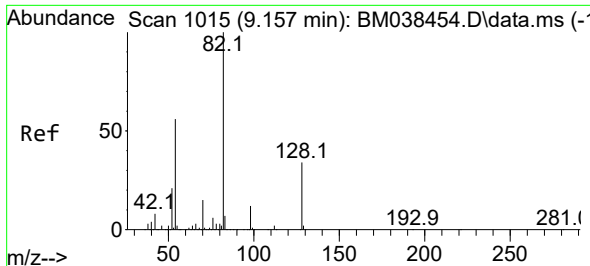
Tgt Ion:	136	Resp:	224585
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	9.8	7.6	11.4
68	5.0	4.3	6.5



#22
Acetophenone
Concen: 3.725 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:	105	Resp:	24729
Ion Ratio	Lower	Upper	
105	100		
71	0.0	1.0	1.6
51	34.9	27.4	41.2
120	20.8	15.6	23.4





#23

Nitrobenzene-d5

Concen: 62.773 ng

RT: 9.145 min Scan# 1013

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

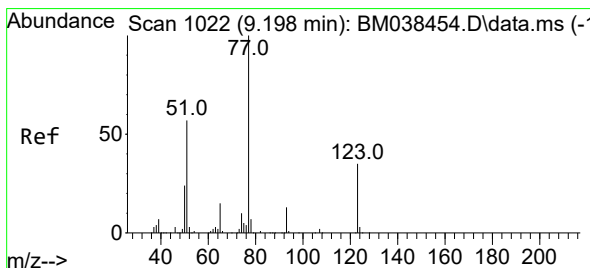
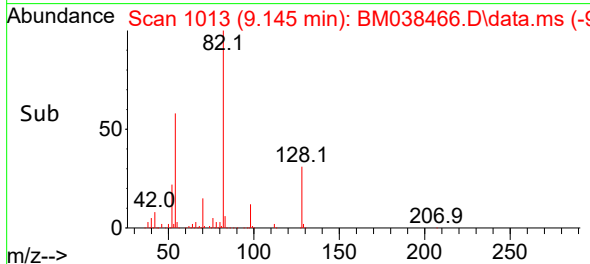
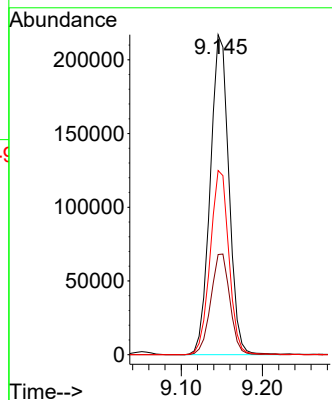
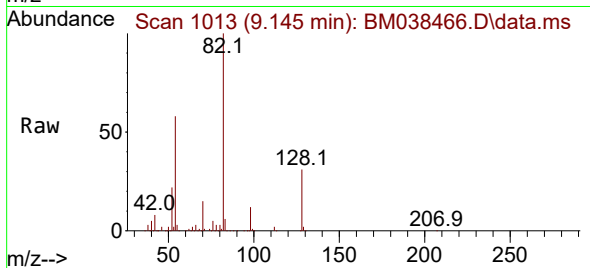
Tgt Ion: 82 Resp: 346002

Ion Ratio Lower Upper

82 100

128 31.3 27.0 40.6

54 57.6 45.0 67.6



#24

Nitrobenzene

Concen: 4.669 ng

RT: 9.187 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

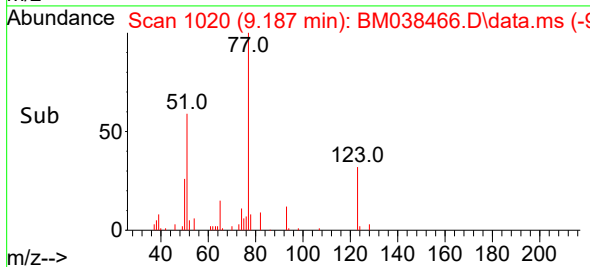
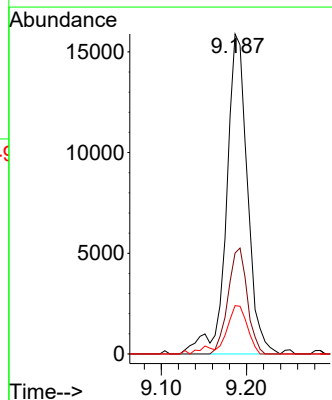
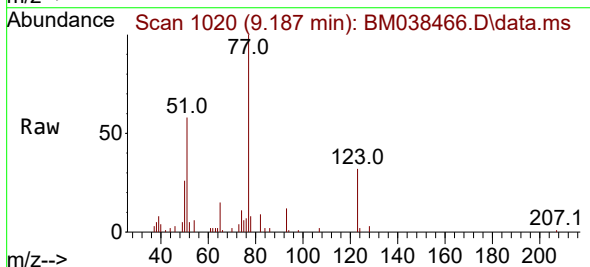
Tgt Ion: 77 Resp: 27190

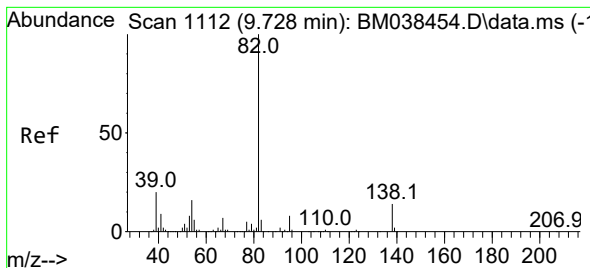
Ion Ratio Lower Upper

77 100

123 31.5 28.2 42.4

65 15.1 12.1 18.1





#25

Isophorone

Concen: 4.012 ng

RT: 9.710 min Scan# 1109

Delta R.T. -0.018 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

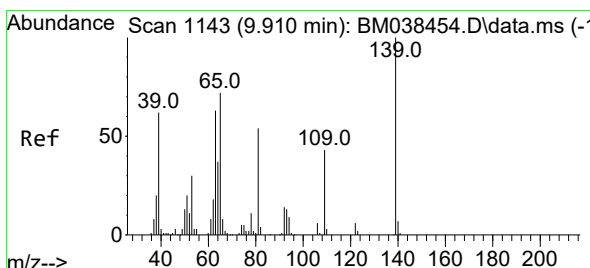
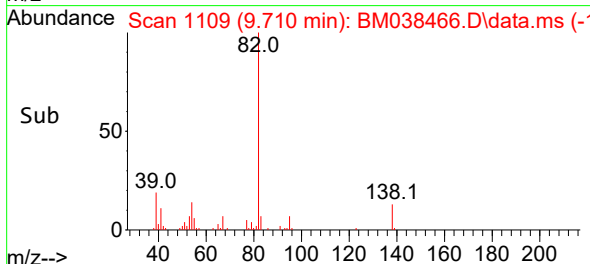
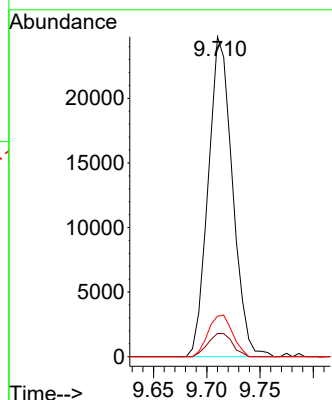
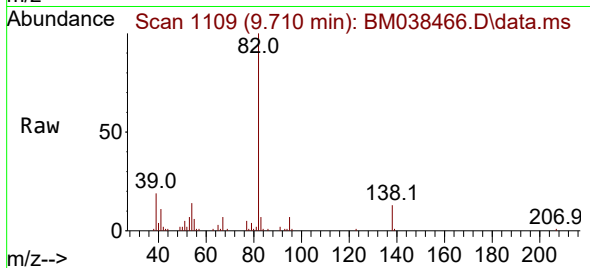
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:	82	Resp:	39171
Ion Ratio	Lower	Upper	
82	100		
95	7.2	6.1	9.1
138	12.6	11.5	17.3



#26

2-Nitrophenol

Concen: 3.886 ng

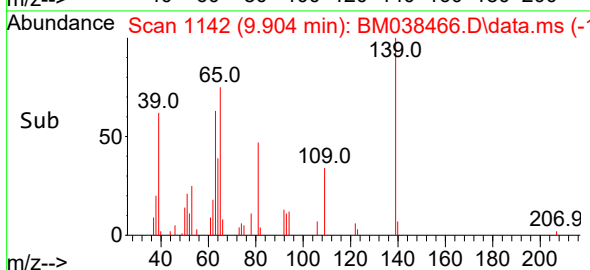
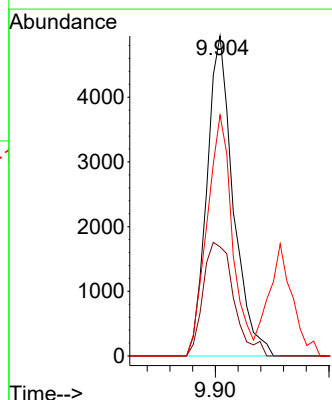
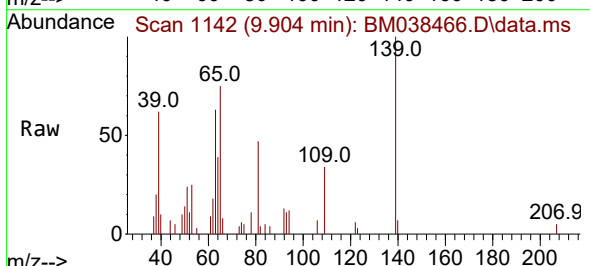
RT: 9.904 min Scan# 1142

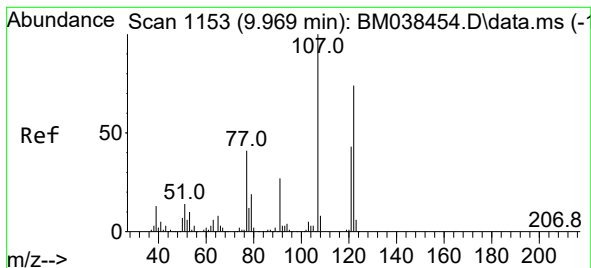
Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:	139	Resp:	7946
Ion Ratio	Lower	Upper	
139	100		
109	34.1	34.7	52.1#
65	75.3	57.4	86.0

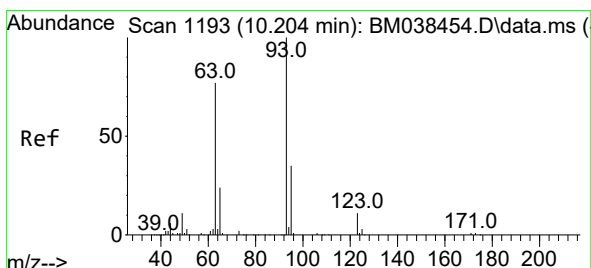
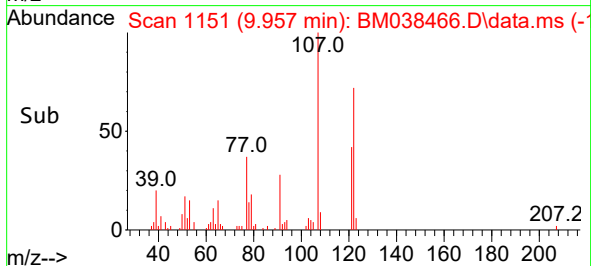
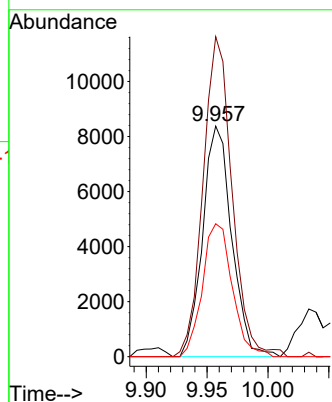
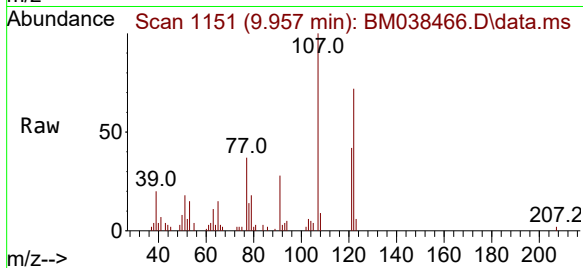




#27
2,4-Dimethylphenol
Concen: 3.993 ng
RT: 9.957 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

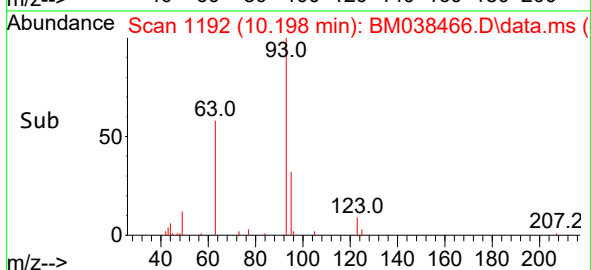
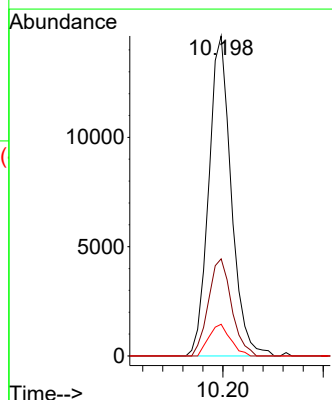
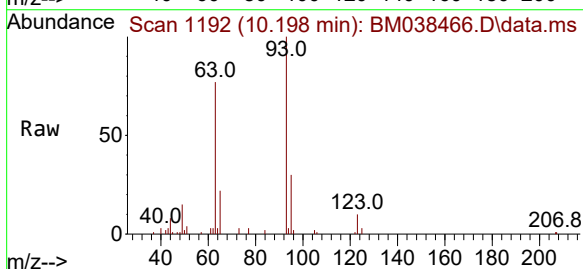
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

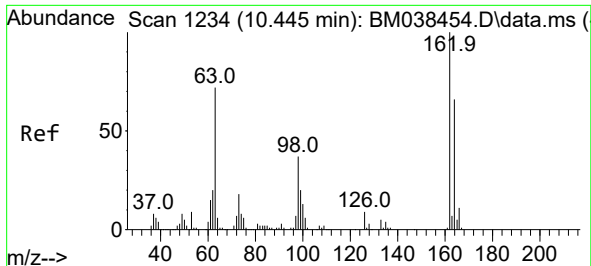
Tgt Ion:122 Resp: 13903
Ion Ratio Lower Upper
122 100
107 138.8 107.4 161.0
121 57.7 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 4.155 ng
RT: 10.198 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 93 Resp: 22816
Ion Ratio Lower Upper
93 100
95 30.4 27.7 41.5
123 9.9 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 3.675 ng

RT: 10.434 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

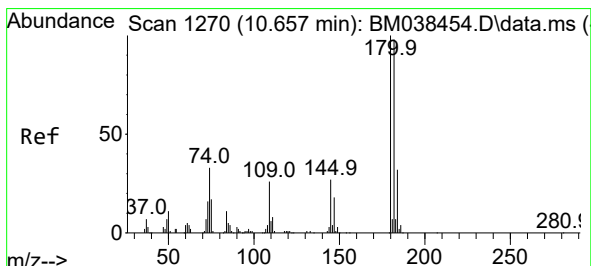
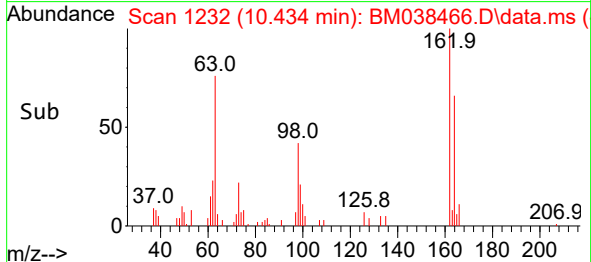
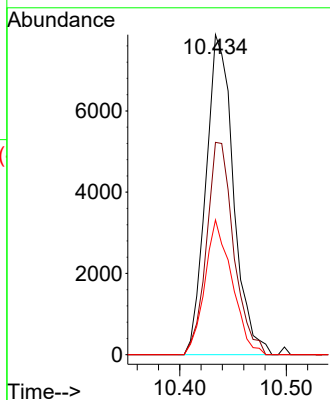
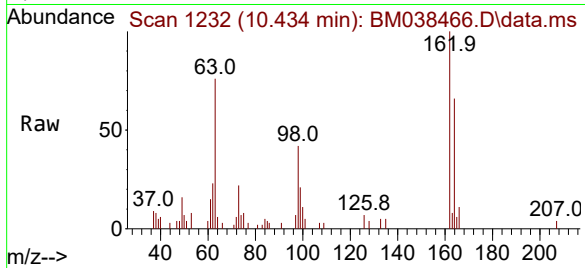
Tgt Ion:162 Resp: 14135

Ion Ratio Lower Upper

162 100

164 66.4 46.5 86.5

98 42.1 17.1 57.1



#30

1,2,4-Trichlorobenzene

Concen: 4.277 ng

RT: 10.645 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

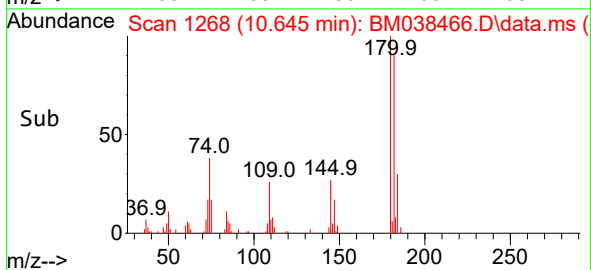
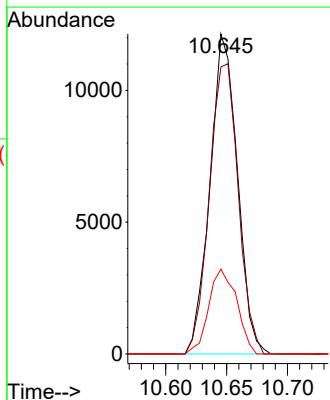
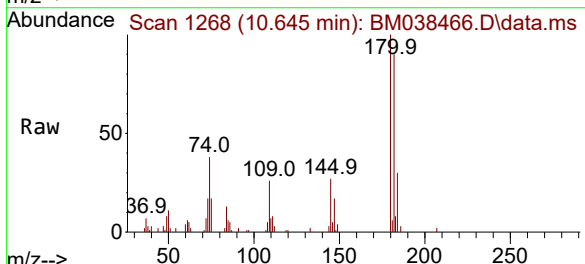
Tgt Ion:180 Resp: 19023

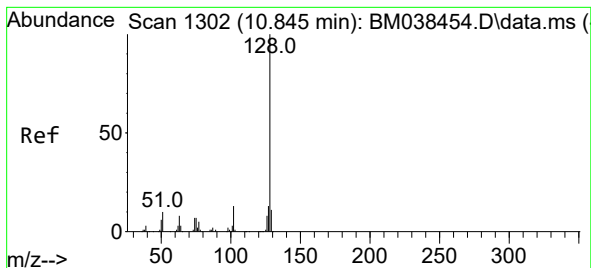
Ion Ratio Lower Upper

180 100

182 89.7 78.1 117.1

145 26.5 21.9 32.9





#31

Naphthalene

Concen: 4.183 ng

RT: 10.839 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

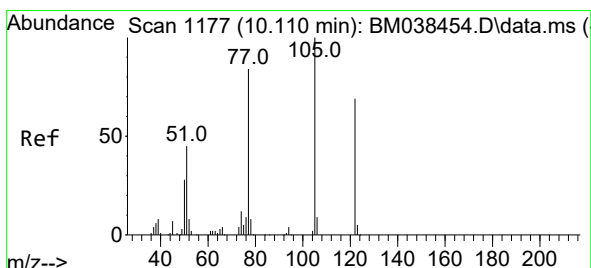
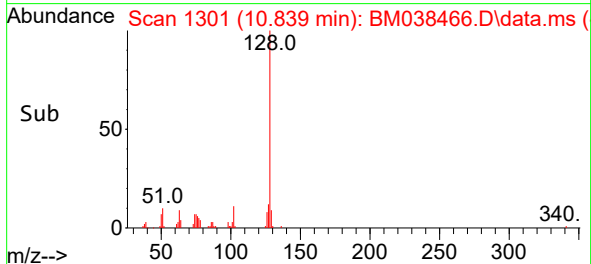
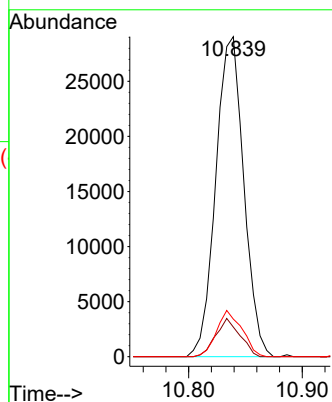
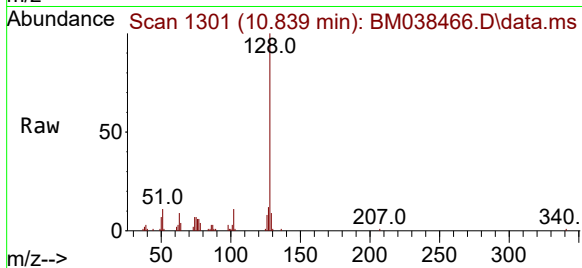
Tgt Ion:128 Resp: 49792

Ion Ratio Lower Upper

128 100

129 9.2 8.9 13.3

127 11.7 10.8 16.2



#32

Benzoic acid

Concen: 6.352 ng

RT: 10.034 min Scan# 1164

Delta R.T. -0.076 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

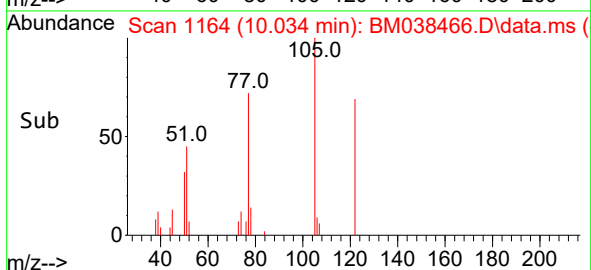
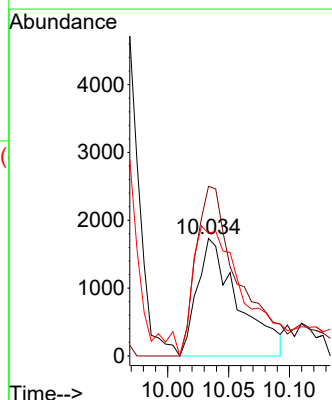
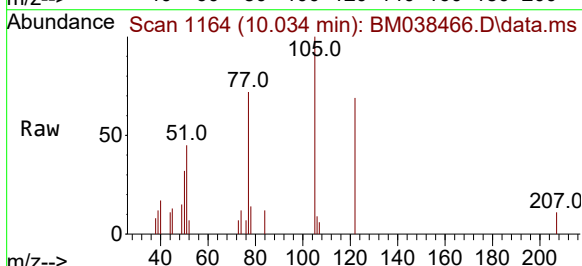
Tgt Ion:122 Resp: 4072

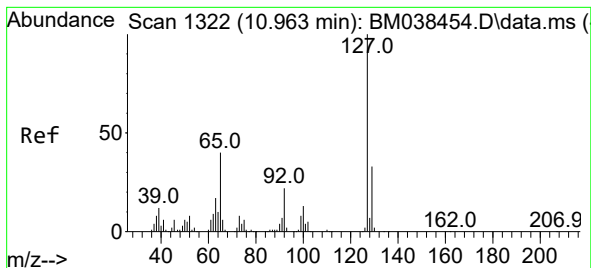
Ion Ratio Lower Upper

122 100

105 144.3 122.6 162.6

77 104.3 101.5 141.5





#33

4-Chloroaniline

Concen: 3.426 ng

RT: 10.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM038466.D

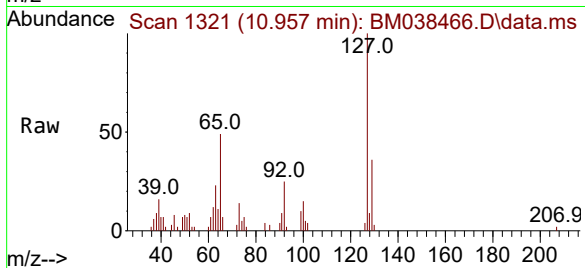
Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:127 Resp: 17897

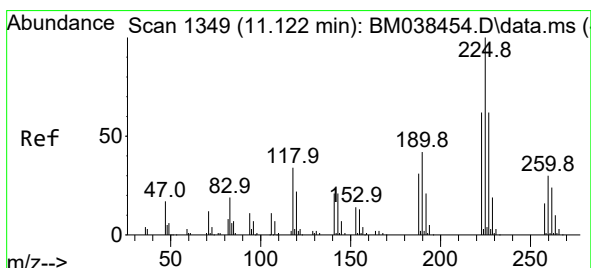
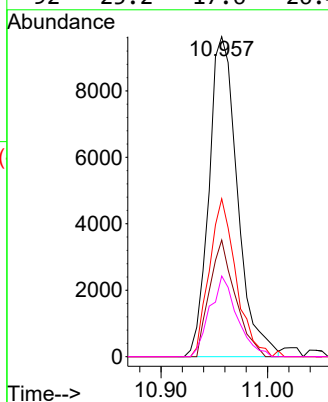
Ion Ratio Lower Upper

127 100

129 36.5 26.4 39.6

65 49.4 32.1 48.1#

92 25.2 17.6 26.4



#34

Hexachlorobutadiene

Concen: 4.180 ng

RT: 11.110 min Scan# 1347

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

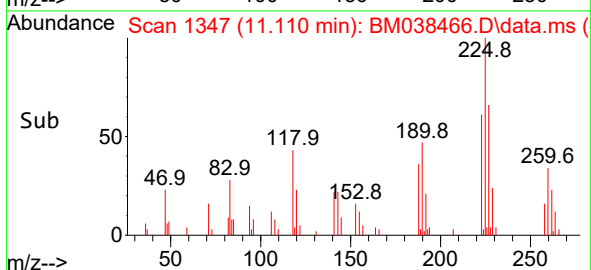
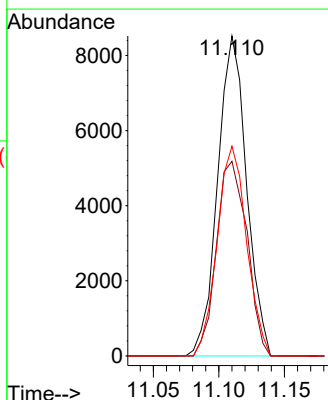
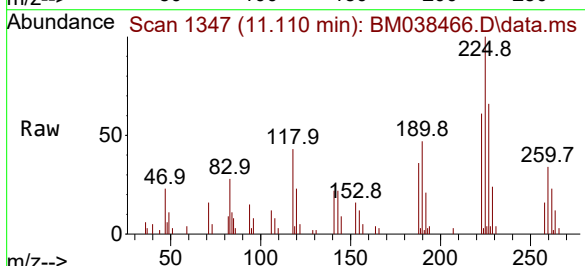
Tgt Ion:225 Resp: 13037

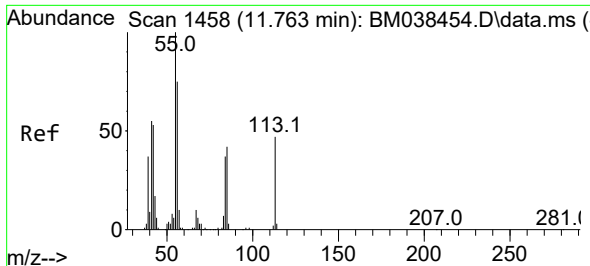
Ion Ratio Lower Upper

225 100

223 58.5 49.8 74.8

227 66.7 49.6 74.4

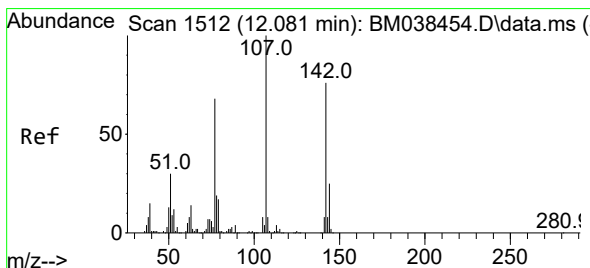
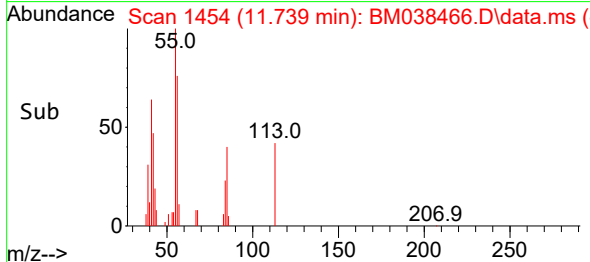
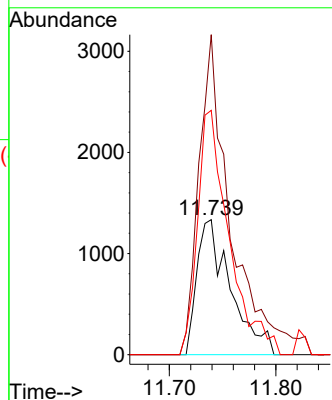
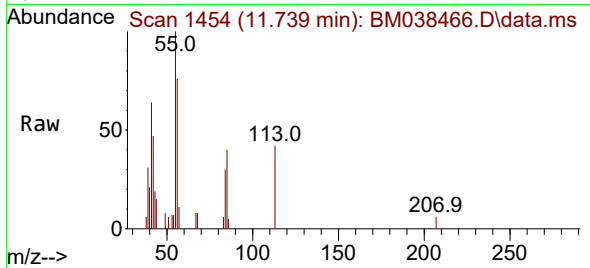




#35
 Caprolactam
 Concen: 2.692 ng
 RT: 11.739 min Scan# 1454
 Delta R.T. -0.024 min
 Lab File: BM038466.D
 Acq: 17 Jan 2023 16:16

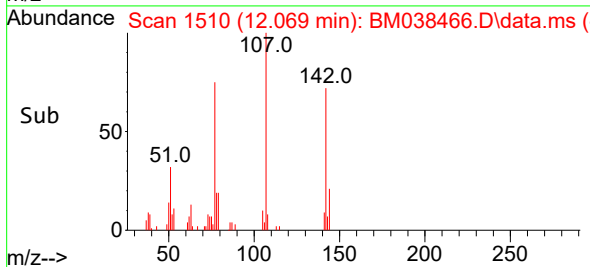
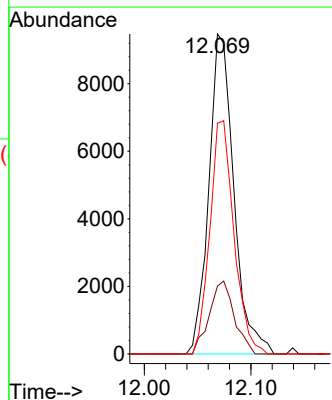
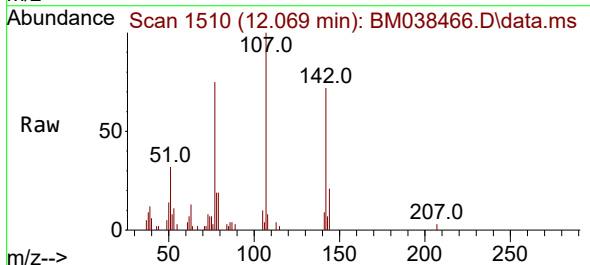
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

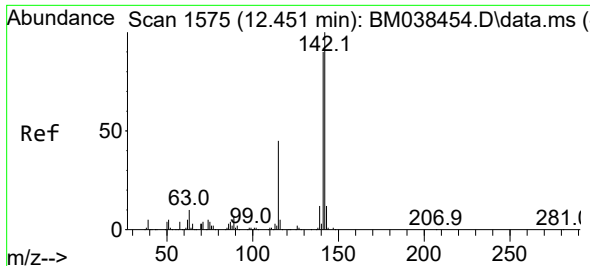
Tgt Ion:113 Resp: 2926
 Ion Ratio Lower Upper
 113 100
 55 237.0 194.2 234.2#
 56 181.0 141.6 181.6



#36
 4-Chloro-3-methylphenol
 Concen: 3.693 ng
 RT: 12.069 min Scan# 1510
 Delta R.T. -0.012 min
 Lab File: BM038466.D
 Acq: 17 Jan 2023 16:16

Tgt Ion:107 Resp: 15488
 Ion Ratio Lower Upper
 107 100
 144 21.2 20.3 30.5
 142 72.1 61.2 91.8

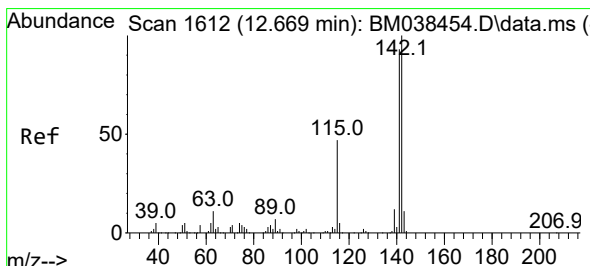
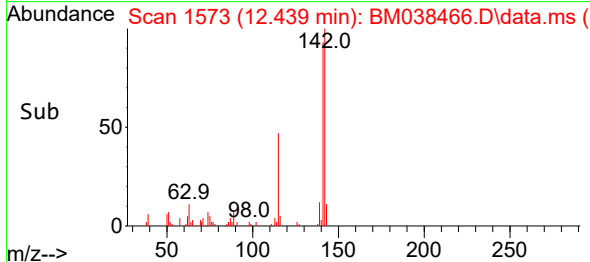
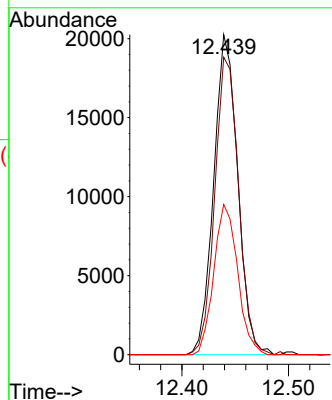
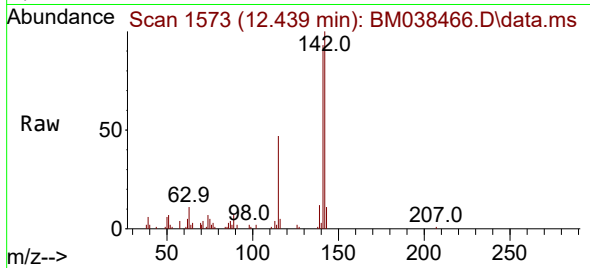




#37
2-Methylnaphthalene
Concen: 3.644 ng
RT: 12.439 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

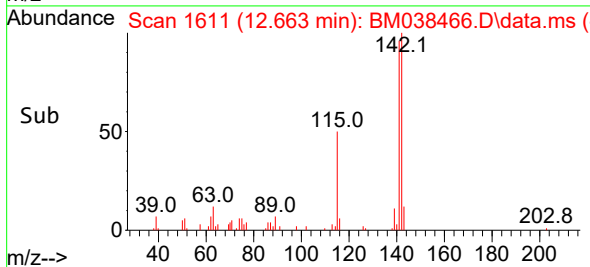
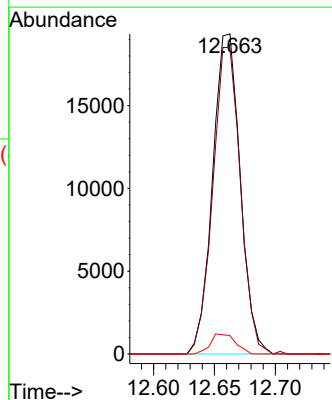
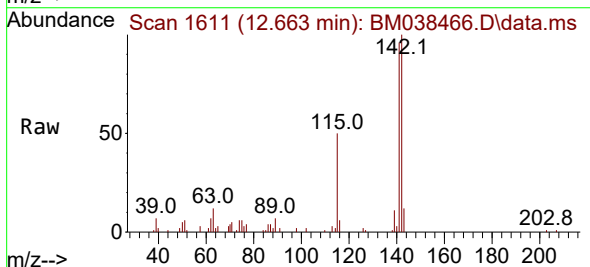
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

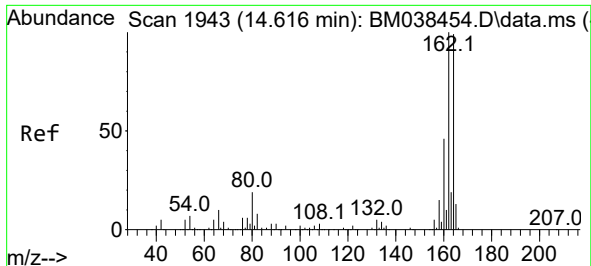
Tgt Ion:142 Resp: 31713
Ion Ratio Lower Upper
142 100
141 92.9 72.0 108.0
115 47.0 35.9 53.9



#38
1-Methylnaphthalene
Concen: 3.734 ng
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:142 Resp: 30505
Ion Ratio Lower Upper
142 100
141 95.8 74.4 111.6
116 5.8 3.8 5.8

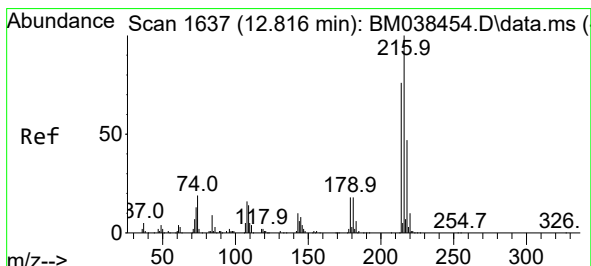
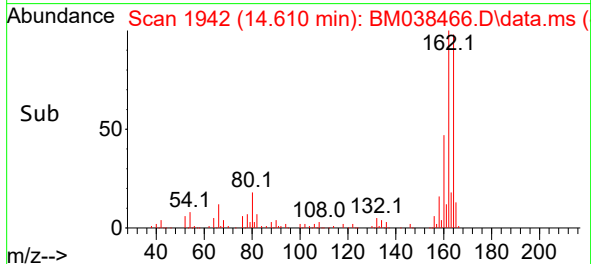
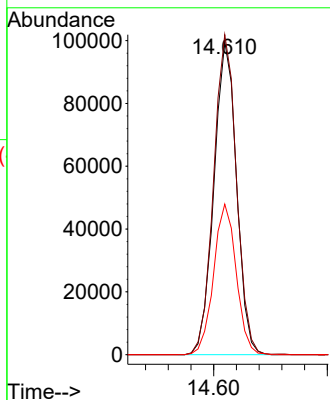
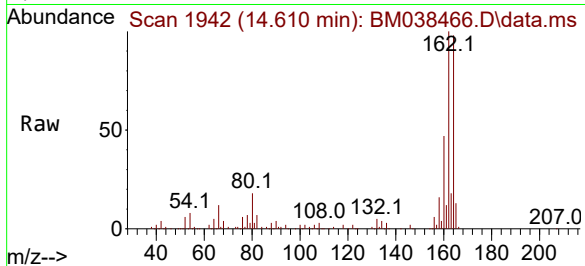




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

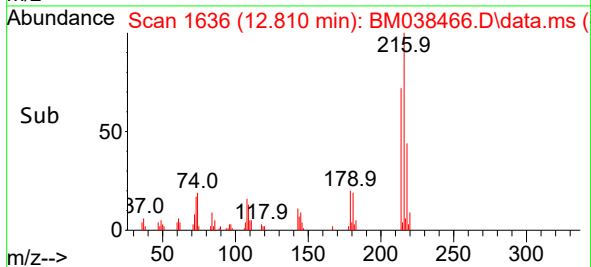
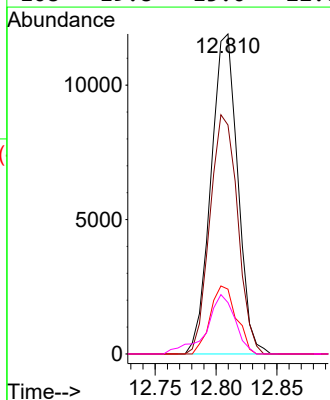
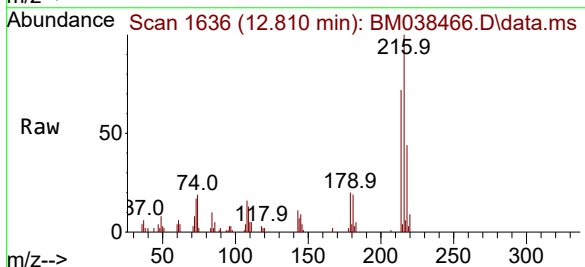
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

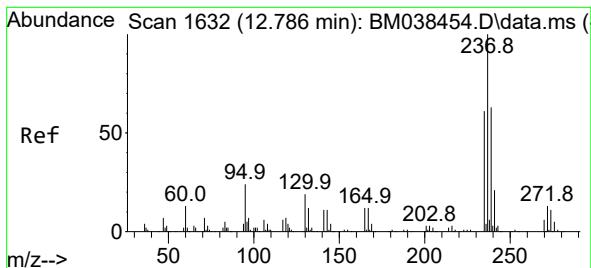
Tgt Ion:164 Resp: 137585
Ion Ratio Lower Upper
164 100
162 102.3 80.9 121.3
160 48.1 37.4 56.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.543 ng
RT: 12.810 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:216 Resp: 18243
Ion Ratio Lower Upper
216 100
214 77.1 61.4 92.0
179 20.7 15.3 22.9
108 19.8 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 3.944 ng

RT: 12.775 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

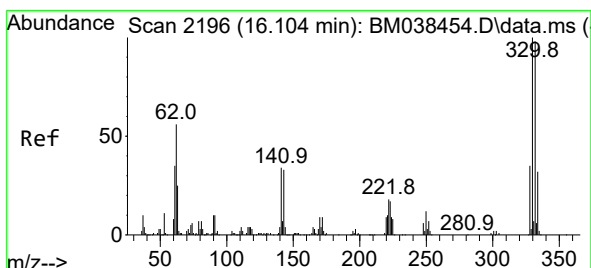
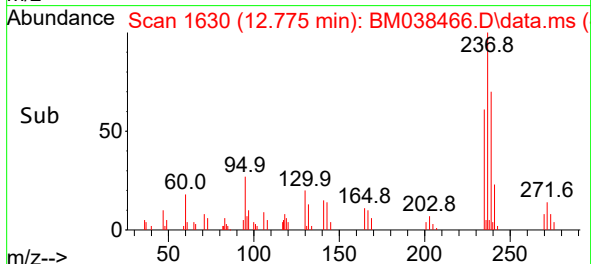
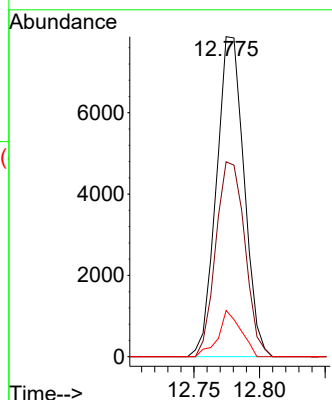
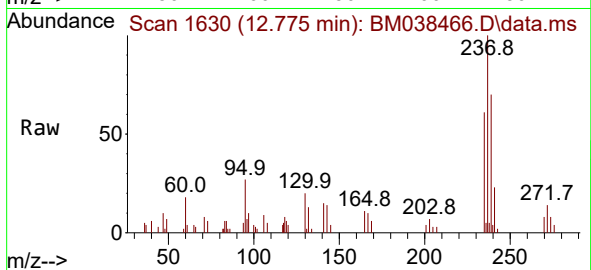
Tgt Ion:237 Resp: 11549

Ion Ratio Lower Upper

237 100

235 60.9 40.9 80.9

272 14.4 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 74.673 ng

RT: 16.098 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

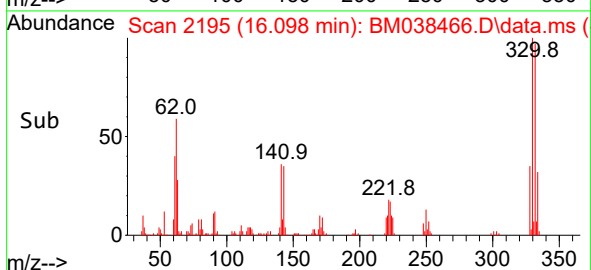
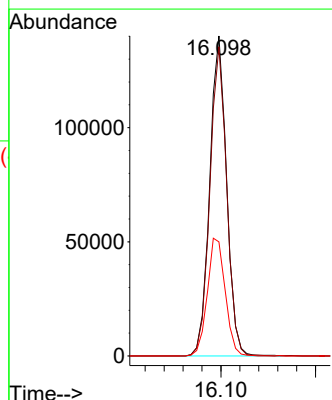
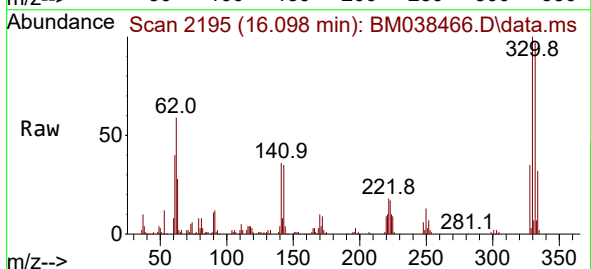
Tgt Ion:330 Resp: 173681

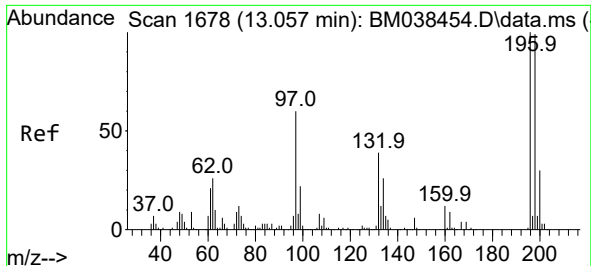
Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.4

141 39.1 28.1 42.1

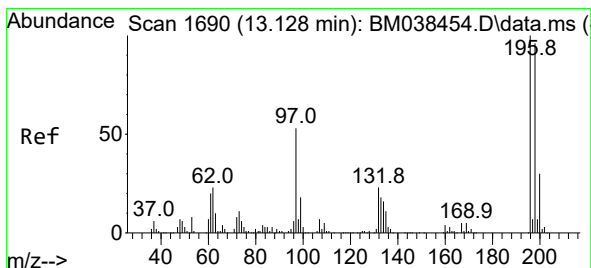
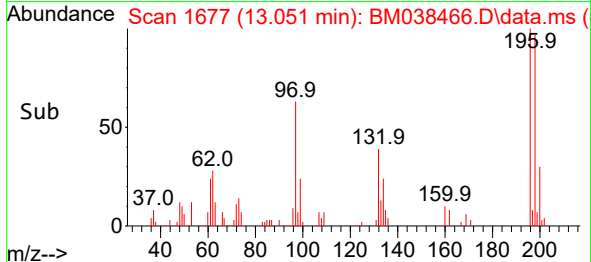
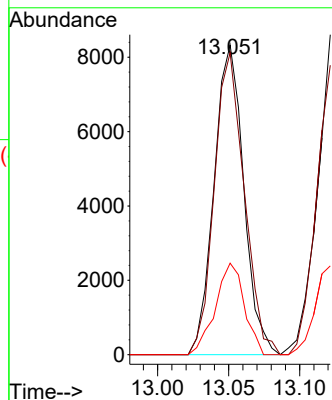
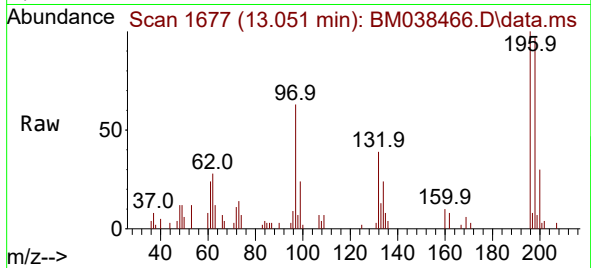




#43
2,4,6-Trichlorophenol
Concen: 3.709 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

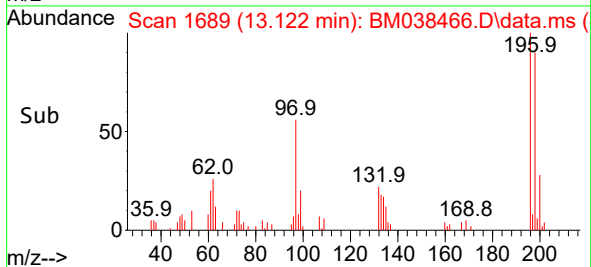
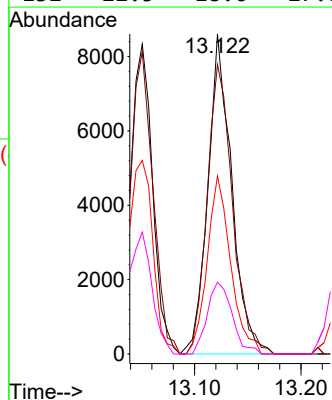
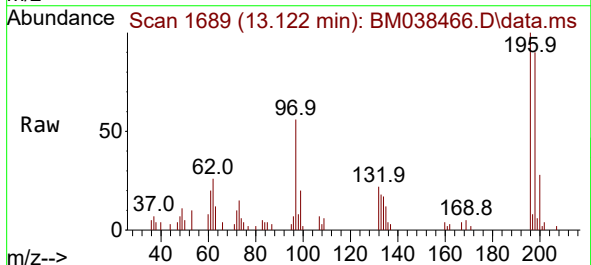
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

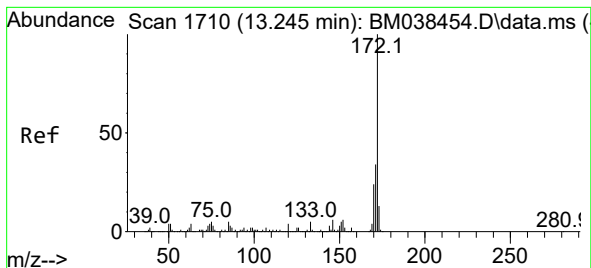
Tgt Ion:196 Resp: 12074
Ion Ratio Lower Upper
196 100
198 97.5 78.8 118.2
200 29.6 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 3.485 ng
RT: 13.122 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:196 Resp: 13374
Ion Ratio Lower Upper
196 100
198 90.5 77.4 116.2
97 55.6 42.4 63.6
132 22.5 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 59.315 ng

RT: 13.239 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

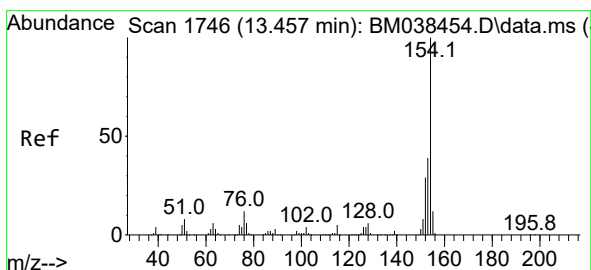
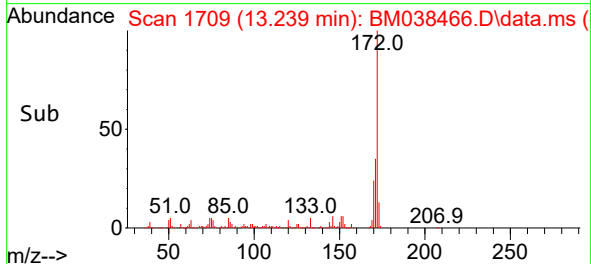
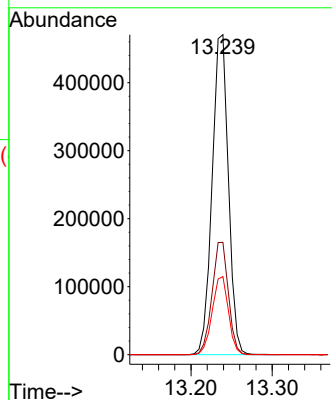
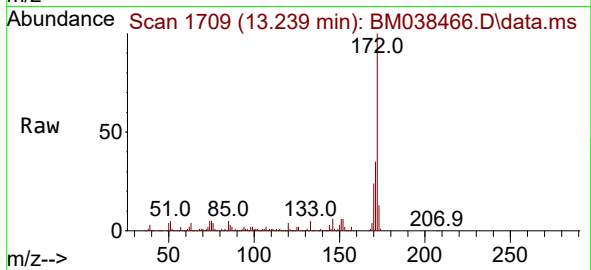
Tgt Ion:172 Resp: 654387

Ion Ratio Lower Upper

172 100

171 35.1 27.5 41.3

170 24.4 19.0 28.6



#46

1,1'-Biphenyl

Concen: 3.569 ng

RT: 13.445 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

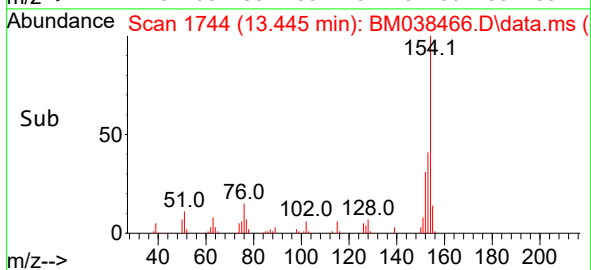
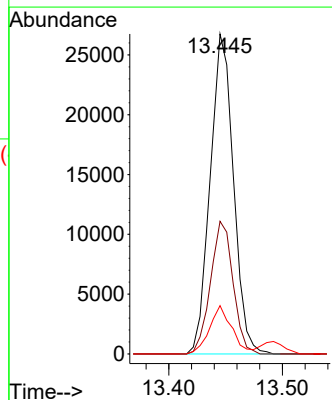
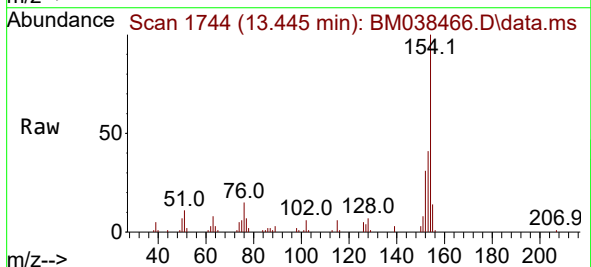
Tgt Ion:154 Resp: 38095

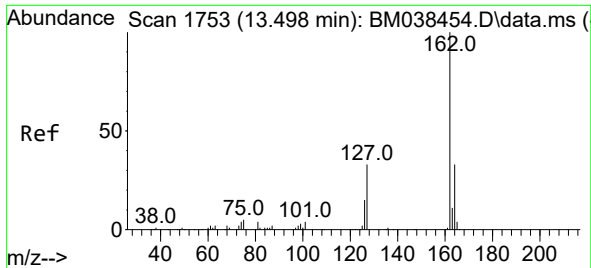
Ion Ratio Lower Upper

154 100

153 41.5 19.3 59.3

76 15.1 0.0 32.2

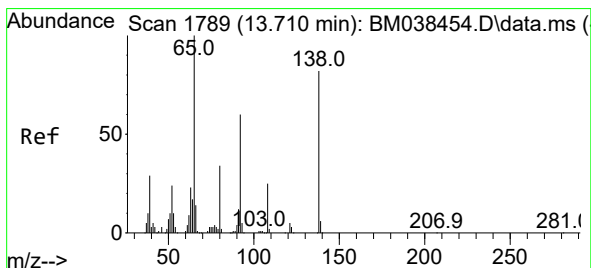
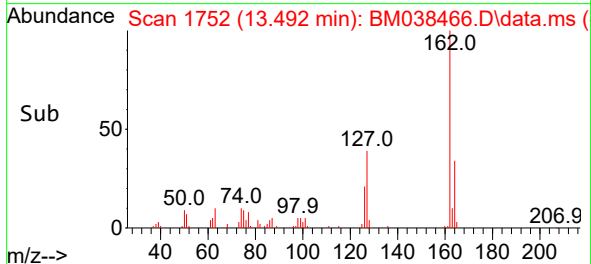
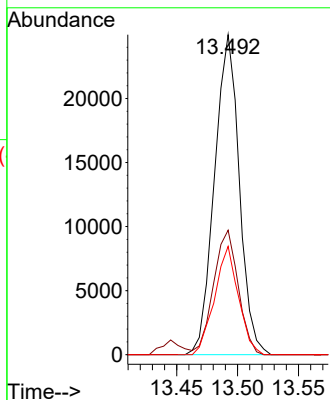
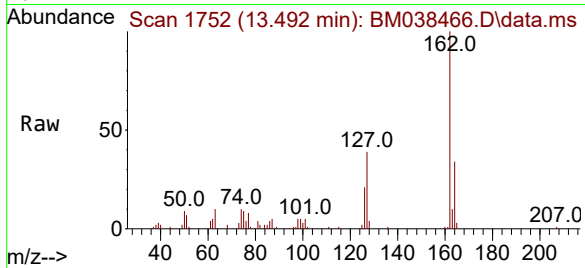




#47
2-Chloronaphthalene
Concen: 4.209 ng
RT: 13.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

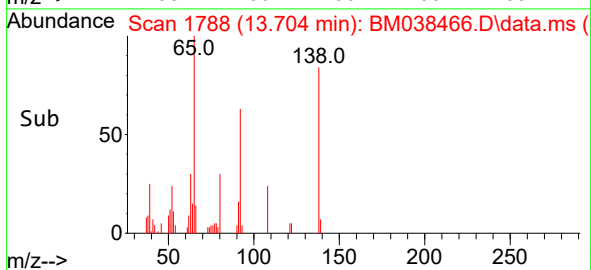
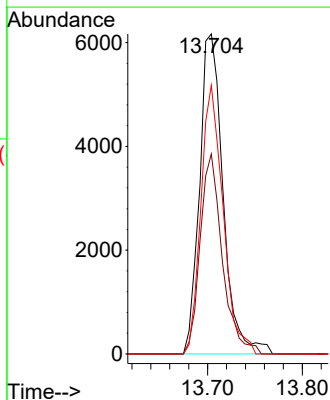
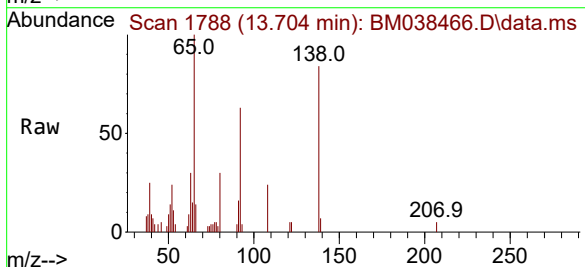
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

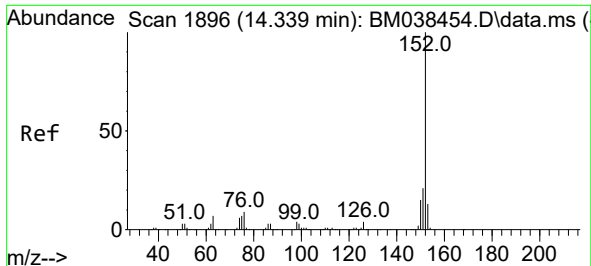
Tgt Ion:	162	Resp:	35362
Ion Ratio	Lower	Upper	
162	100		
127	38.9	29.5	44.3
164	33.9	26.2	39.4



#48
2-Nitroaniline
Concen: 5.285 ng
RT: 13.704 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:	65	Resp:	10622
Ion Ratio	Lower	Upper	
65	100		
92	62.5	47.6	71.4
138	83.9	65.8	98.8

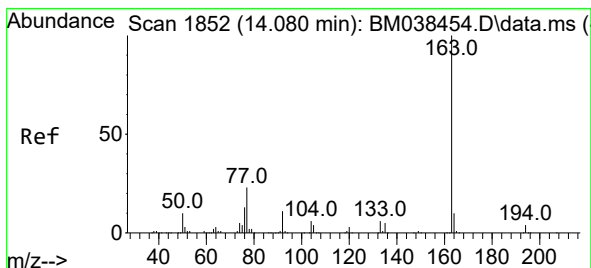
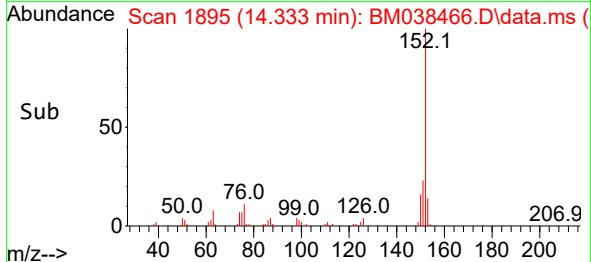
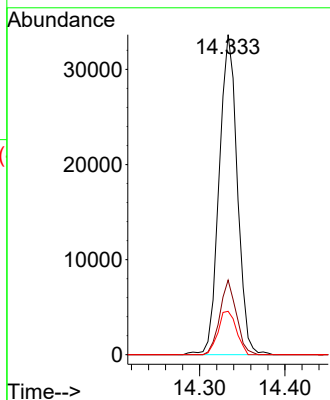
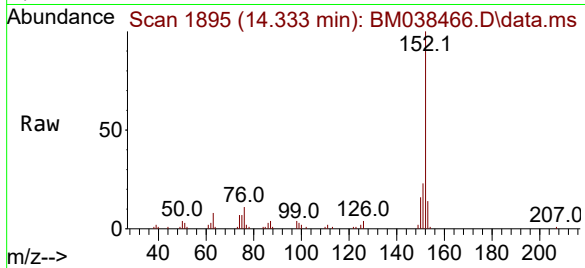




#49
Acenaphthylene
Concen: 3.757 ng
RT: 14.333 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

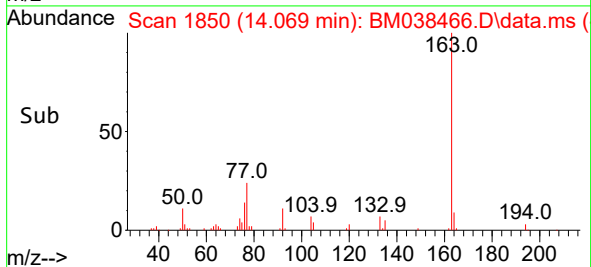
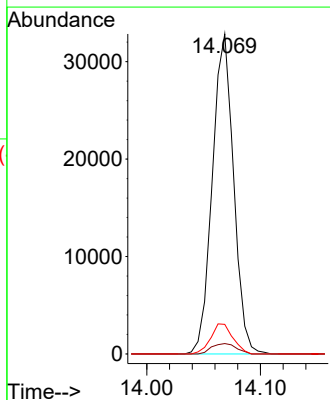
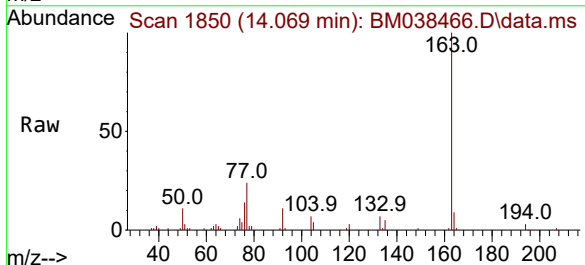
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

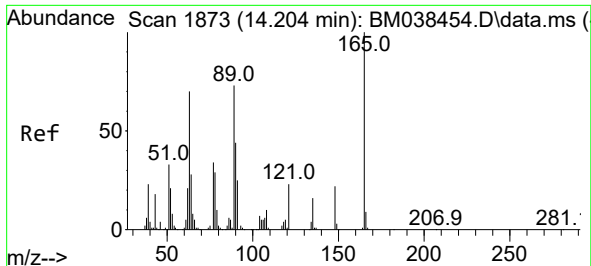
Tgt Ion:152 Resp: 49764
Ion Ratio Lower Upper
152 100
151 23.3 16.4 24.6
153 13.6 10.6 15.8



#50
Dimethylphthalate
Concen: 3.835 ng
RT: 14.069 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:163 Resp: 42762
Ion Ratio Lower Upper
163 100
194 3.3 3.6 5.4#
164 9.2 7.8 11.8

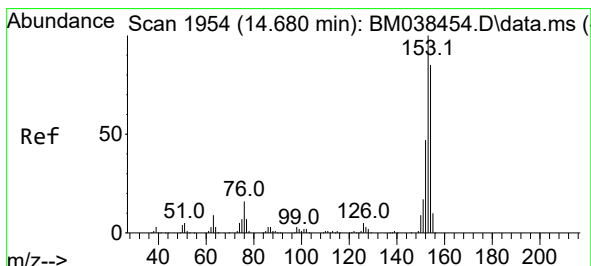
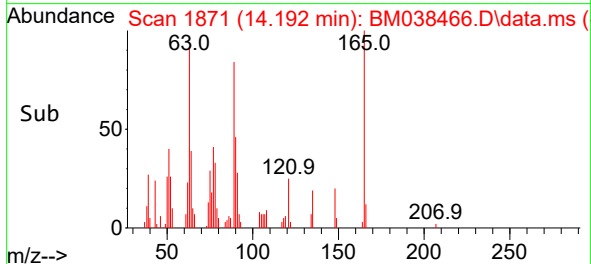
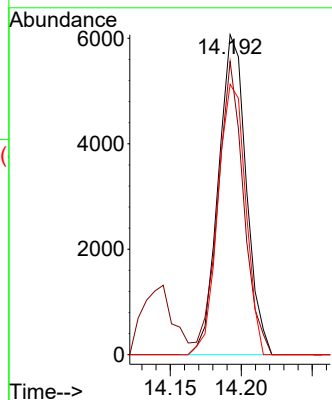
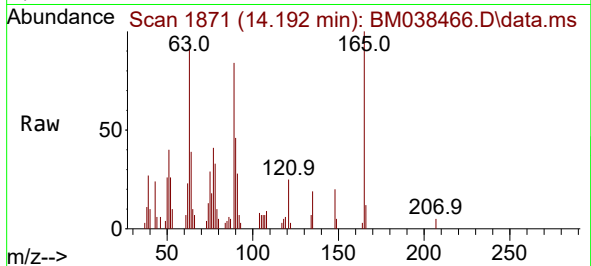




#51
2,6-Dinitrotoluene
Concen: 3.648 ng
RT: 14.192 min Scan# 1871
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

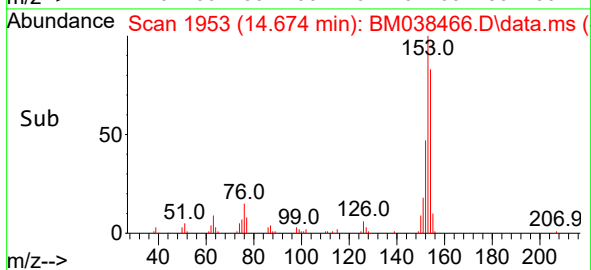
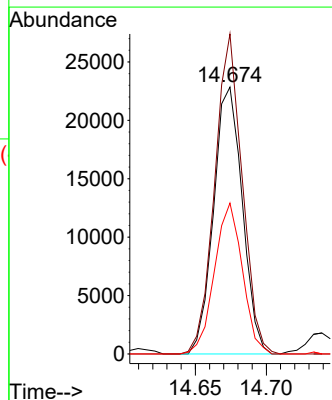
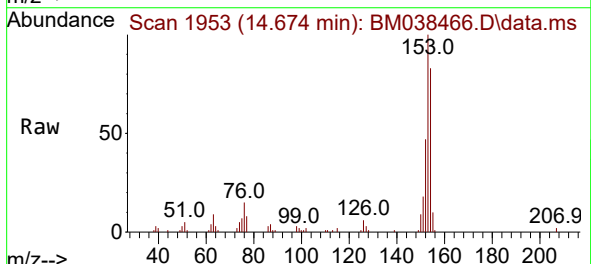
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

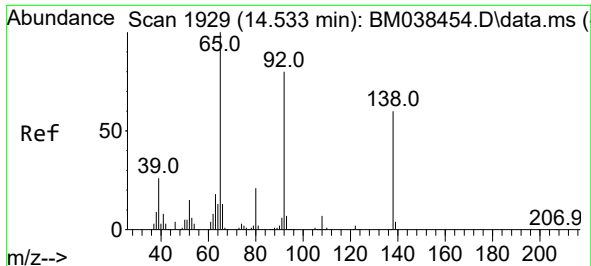
Tgt Ion:165 Resp: 8274
Ion Ratio Lower Upper
165 100
63 91.7 60.9 91.3#
89 84.5 58.6 87.8



#52
Acenaphthene
Concen: 3.992 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:154 Resp: 32135
Ion Ratio Lower Upper
154 100
153 119.9 93.8 140.6
152 56.6 44.2 66.4

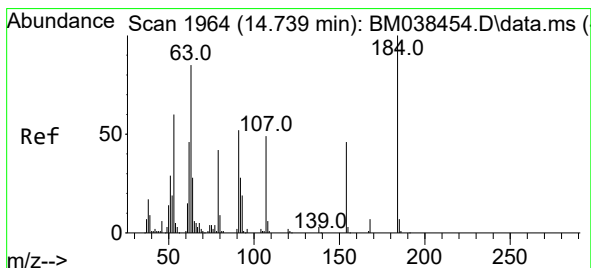
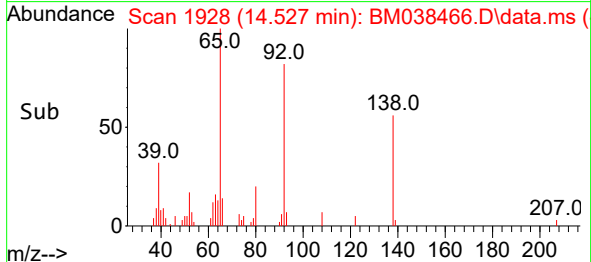
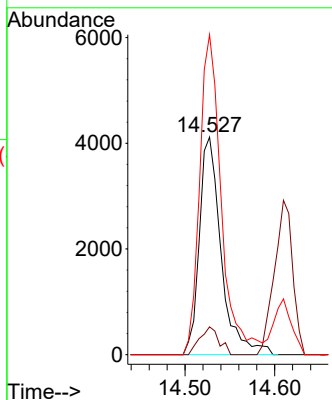
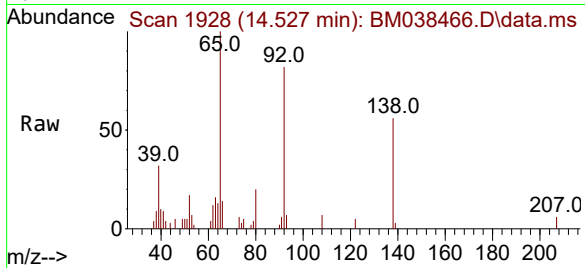




#53
3-Nitroaniline
Concen: 5.278 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

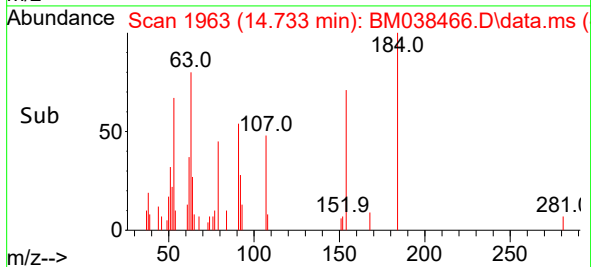
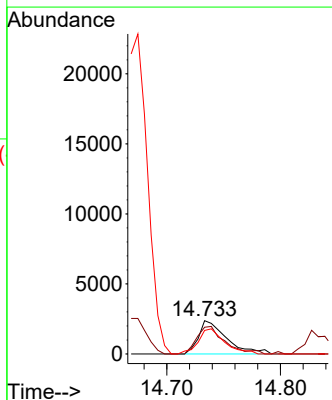
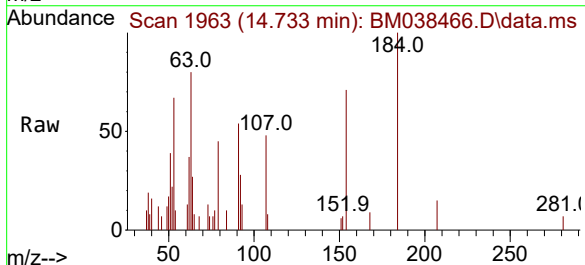
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

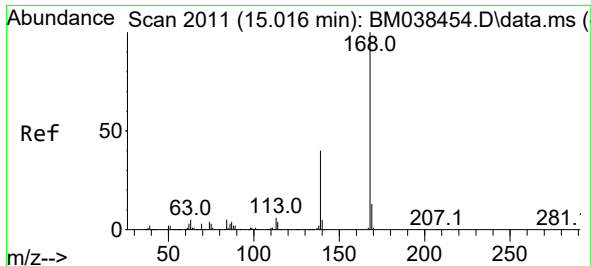
Tgt Ion:138 Resp: 6946
Ion Ratio Lower Upper
138 100
108 12.8 8.9 13.3
92 147.1 106.4 159.6



#54
2,4-Dinitrophenol
Concen: 7.516 ng
RT: 14.733 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:184 Resp: 4075
Ion Ratio Lower Upper
184 100
63 80.4 70.0 105.0
154 70.7 55.6 83.4

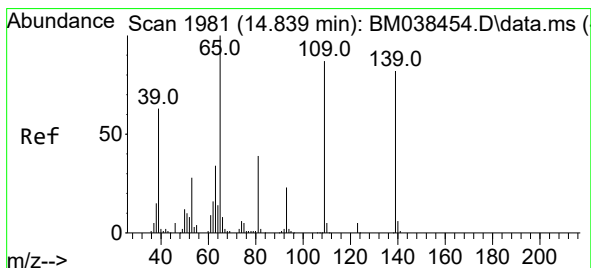
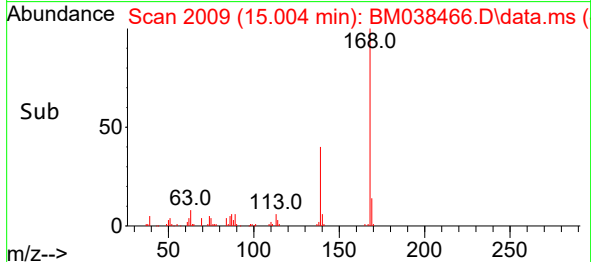
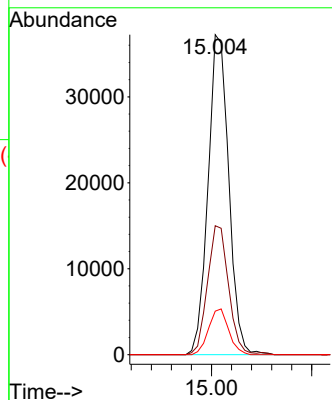
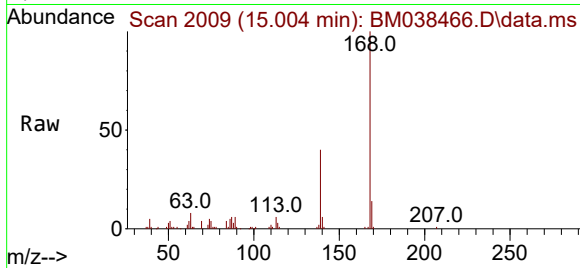




#55
Dibenzenofuran
Concen: 3.904 ng
RT: 15.004 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

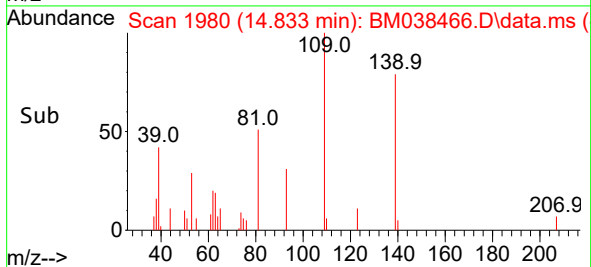
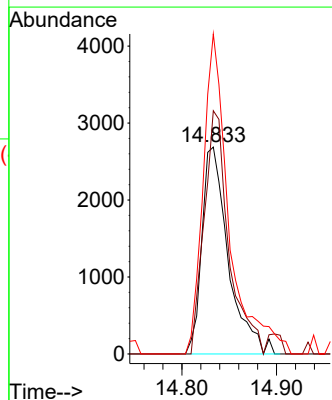
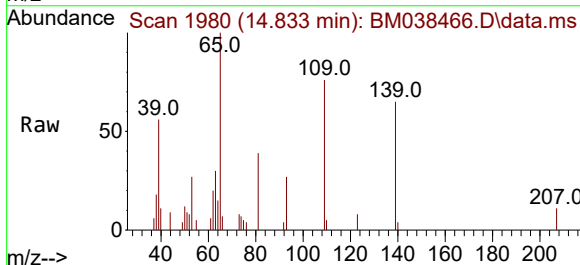
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

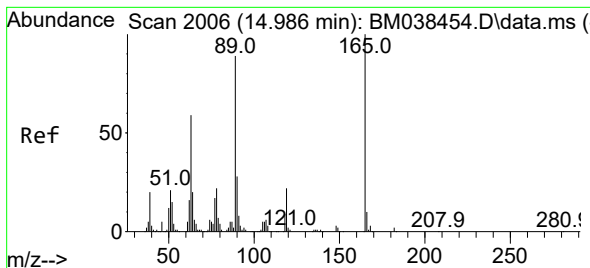
Tgt Ion:168 Resp: 53507
Ion Ratio Lower Upper
168 100
139 40.3 31.9 47.9
169 13.6 10.5 15.7



#56
4-Nitrophenol
Concen: 6.337 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:139 Resp: 5194
Ion Ratio Lower Upper
139 100
109 117.6 86.0 126.0
65 154.6 102.7 142.7#





#57

2,4-Dinitrotoluene

Concen: 3.086 ng

RT: 14.980 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BM038466.D

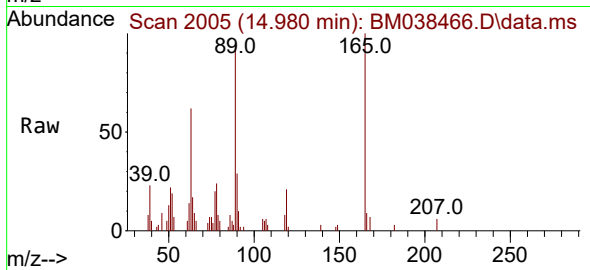
Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 9730

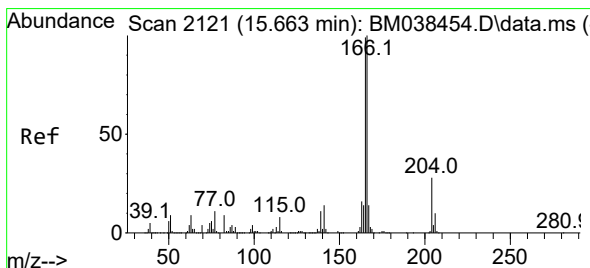
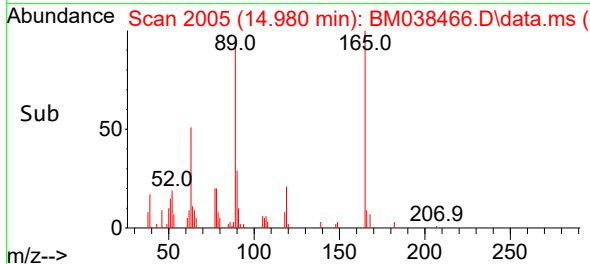
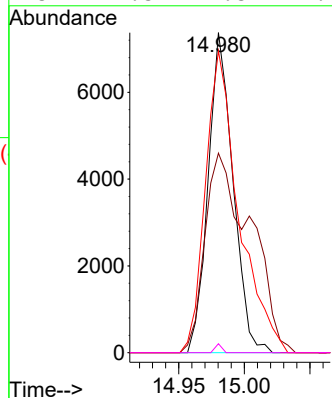
Ion Ratio Lower Upper

165 100

63 62.3 47.7 71.5

89 94.3 71.5 107.3

182 2.8 1.8 2.6#



#58

Fluorene

Concen: 3.666 ng

RT: 15.657 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

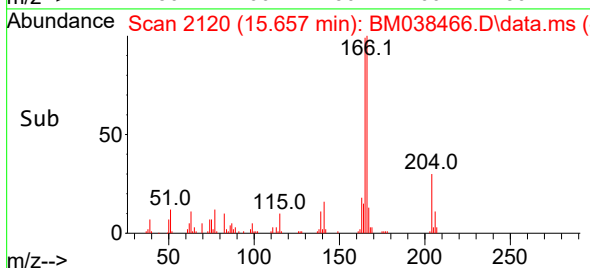
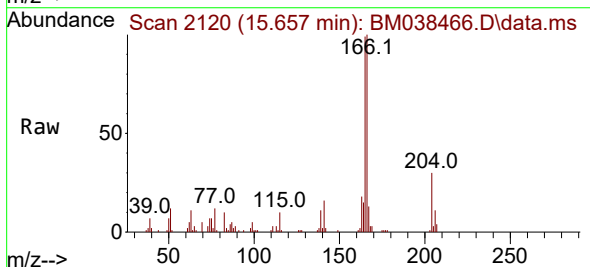
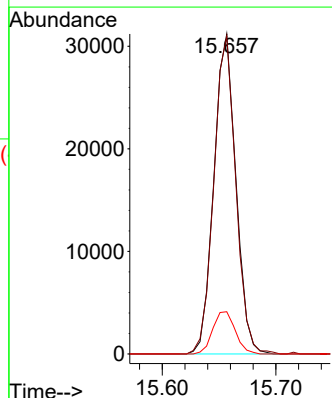
Tgt Ion:166 Resp: 41983

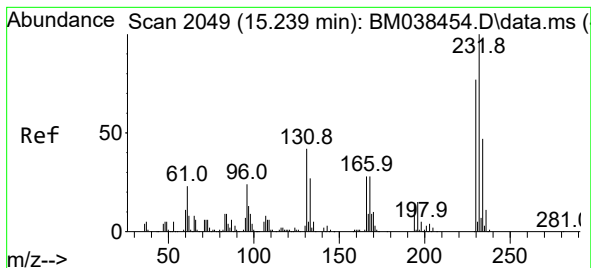
Ion Ratio Lower Upper

166 100

165 99.4 79.2 118.8

167 13.2 11.0 16.4

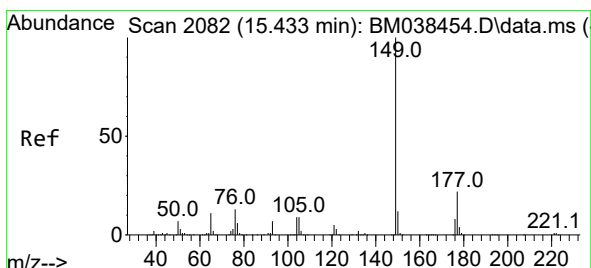
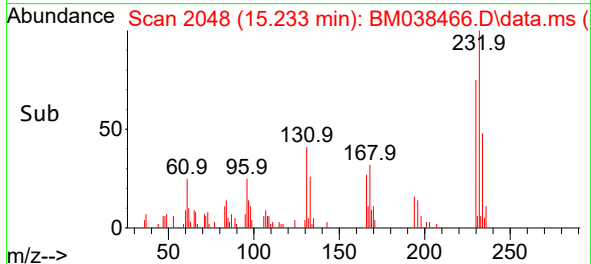
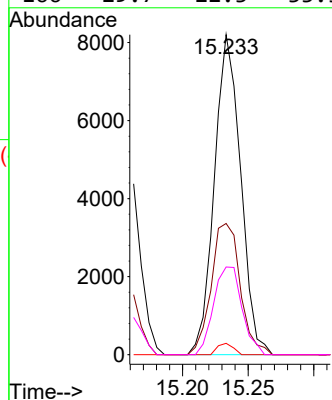
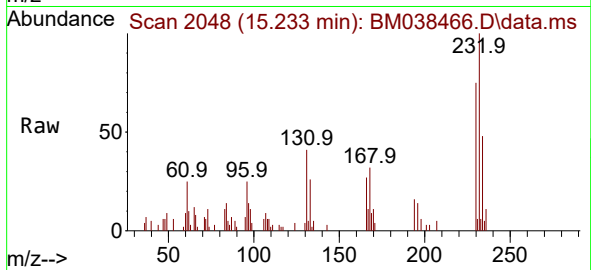




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.350 ng
RT: 15.233 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

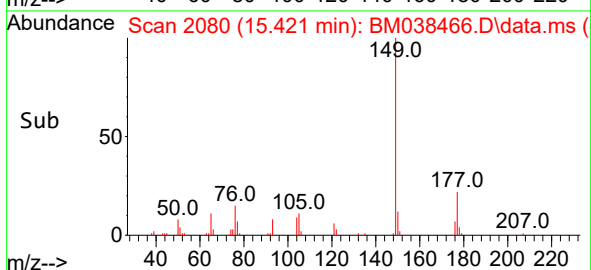
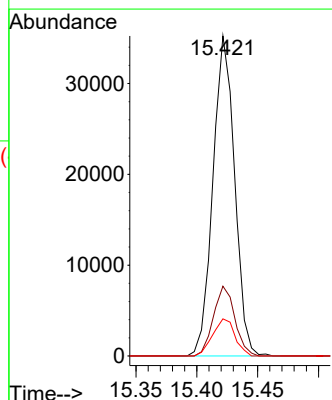
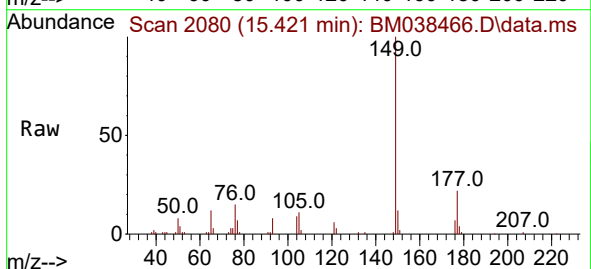
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

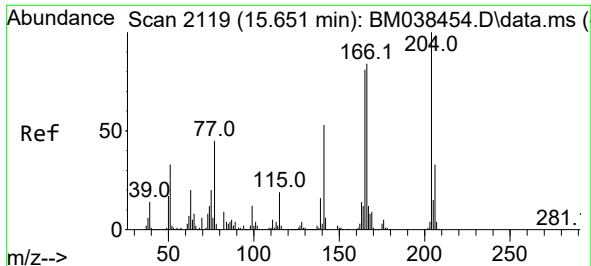
Tgt Ion:232	Resp:	11399
Ion Ratio	Lower	Upper
232	100	
131	45.4	33.8 50.6
130	2.1	1.9 2.9
166	29.7	22.3 33.5



#60
Diethylphthalate
Concen: 3.814 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:149	Resp:	43629
Ion Ratio	Lower	Upper
149	100	
177	21.8	17.8 26.6
150	11.6	9.5 14.3

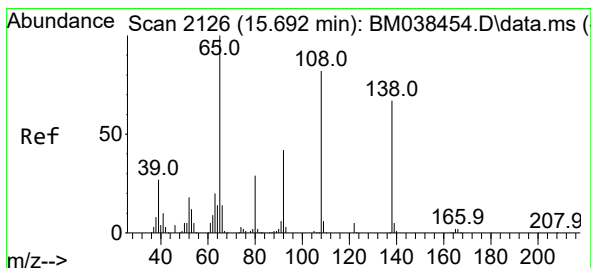
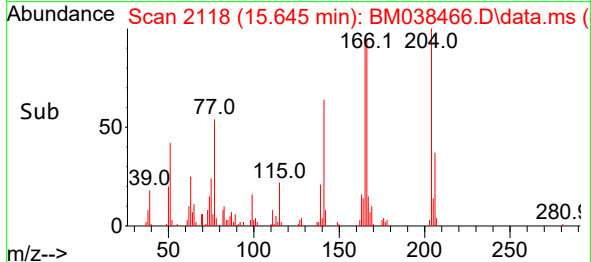
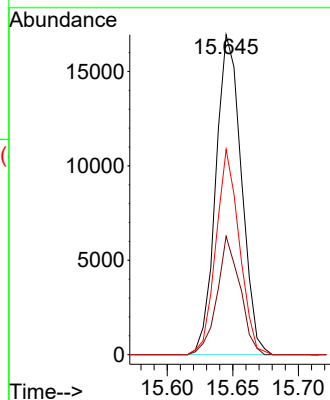
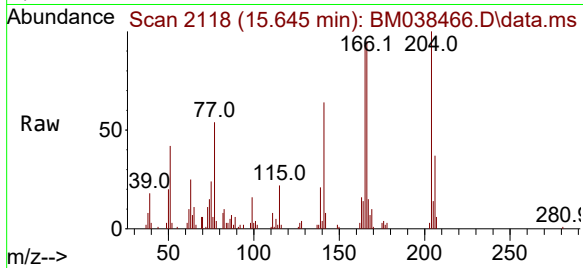




#61
4-Chlorophenyl-phenylether
Concen: 3.651 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

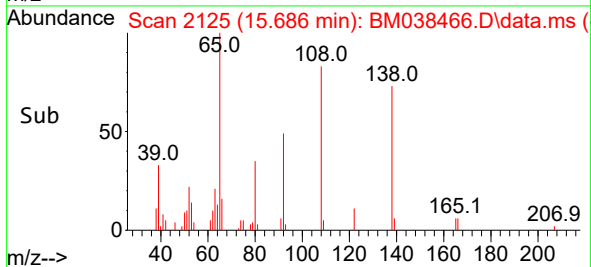
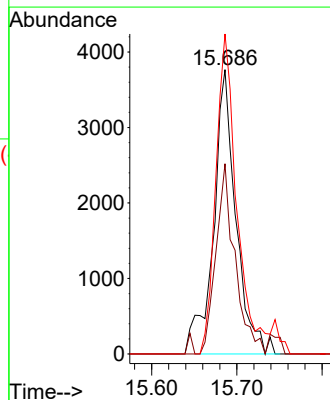
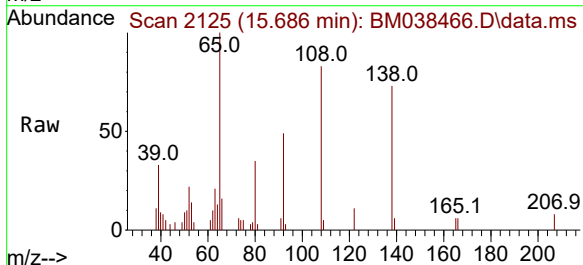
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

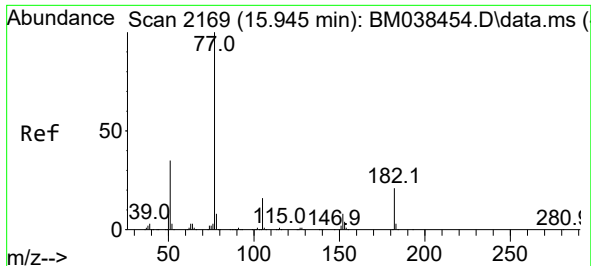
Tgt Ion:204 Resp: 22951
Ion Ratio Lower Upper
204 100
206 37.0 26.2 39.4
141 64.2 42.5 63.7#



#62
4-Nitroaniline
Concen: 5.360 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:138 Resp: 6868
Ion Ratio Lower Upper
138 100
92 66.9 42.1 82.1
108 112.6 102.5 142.5

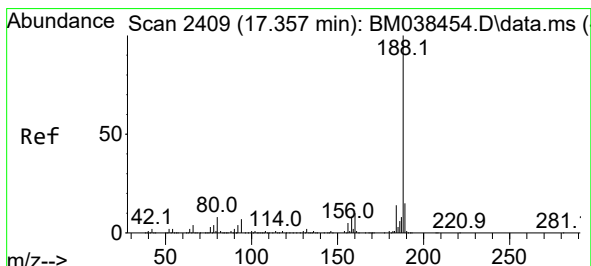
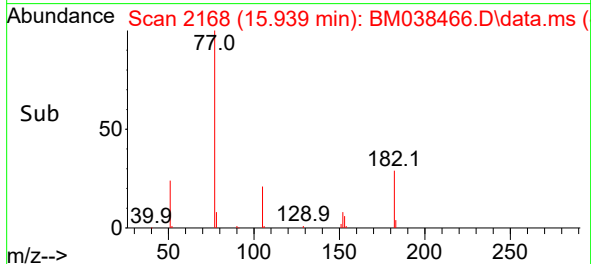
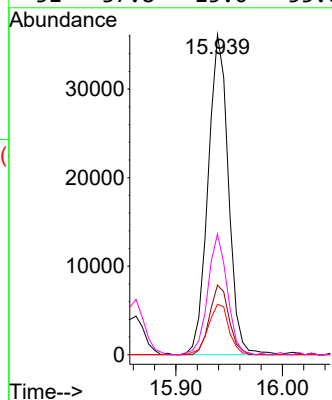
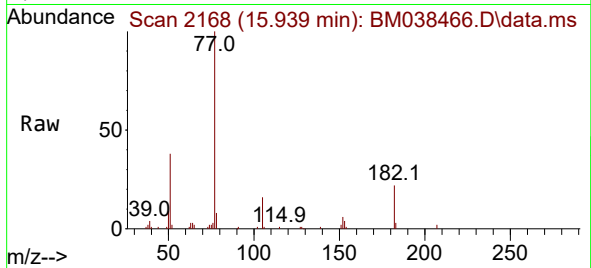




#63
Azobenzene
Concen: 3.810 ng
RT: 15.939 min Scan# 2169
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

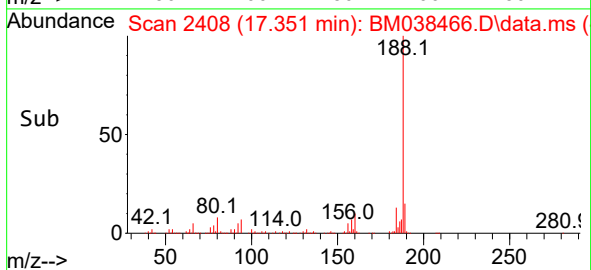
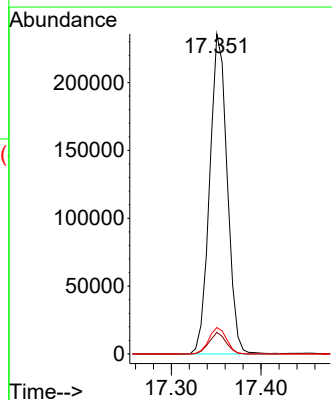
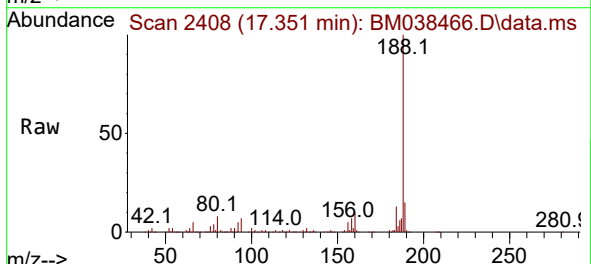
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

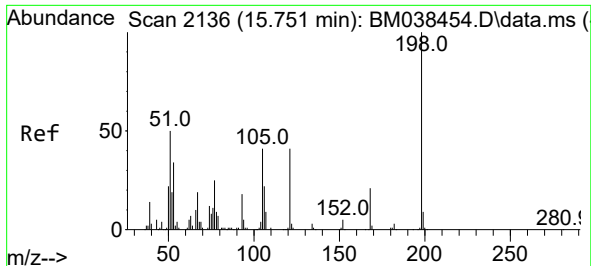
Tgt Ion: 77	Resp: 47959
Ion Ratio	Lower Upper
77 100	
182 21.8	1.1 41.1
105 15.8	0.0 36.4
51 37.8	15.0 55.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion: 188	Resp: 320180
Ion Ratio	Lower Upper
188 100	
94 6.8	5.4 8.0
80 8.2	6.5 9.7

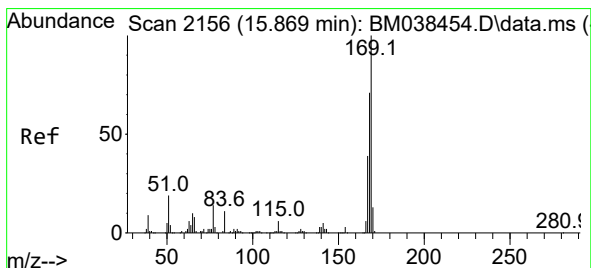
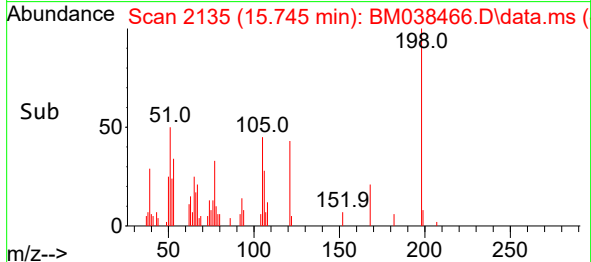
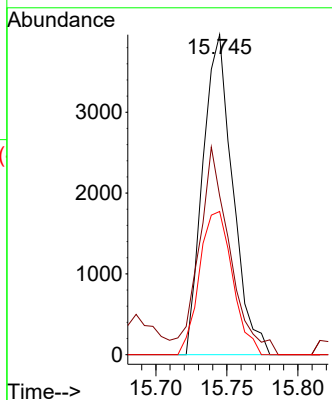
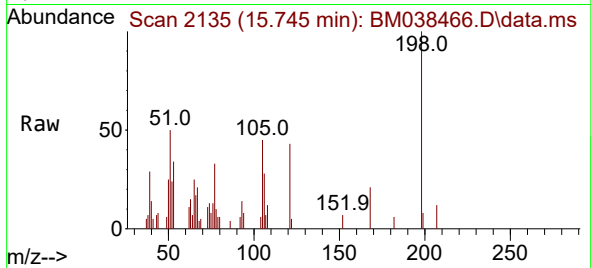




#65
4,6-Dinitro-2-methylphenol
Concen: 2.666 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

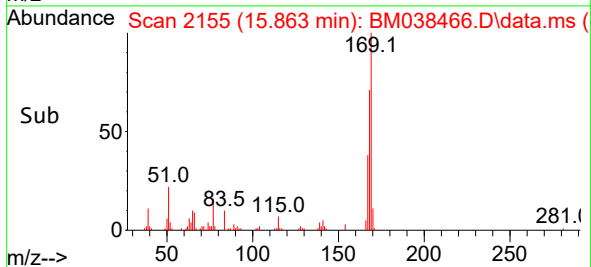
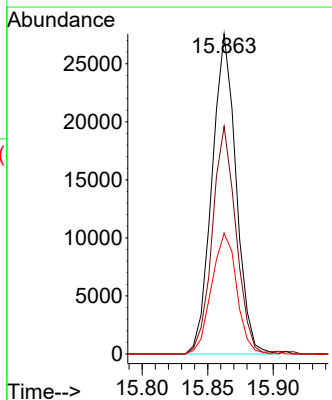
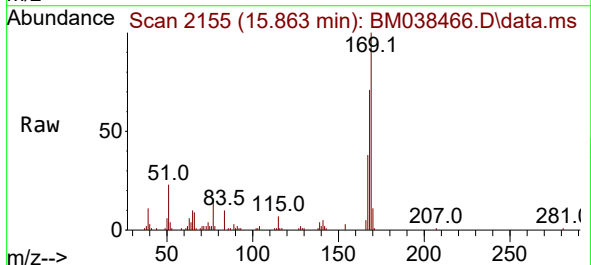
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

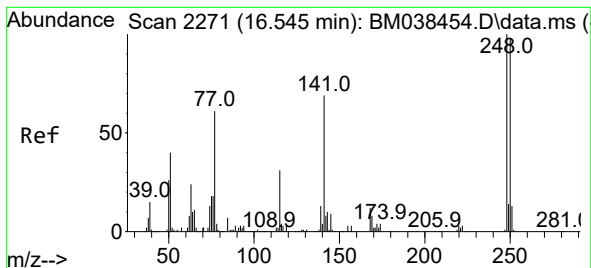
Tgt Ion:198 Resp: 5792
Ion Ratio Lower Upper
198 100
51 49.7 31.6 71.6
105 44.8 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 3.746 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:169 Resp: 35191
Ion Ratio Lower Upper
169 100
168 71.1 56.6 85.0
167 37.7 31.1 46.7

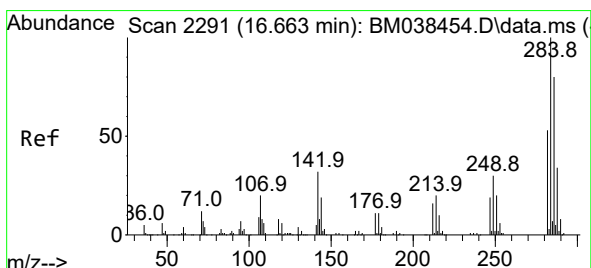
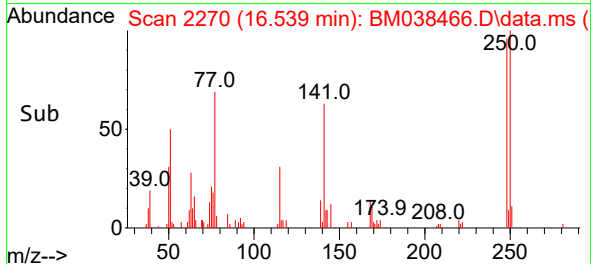
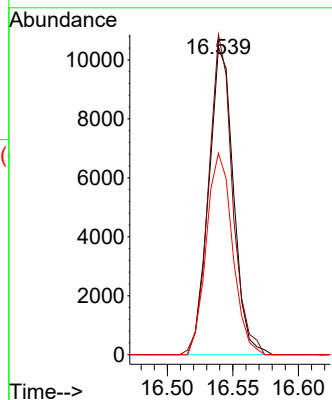
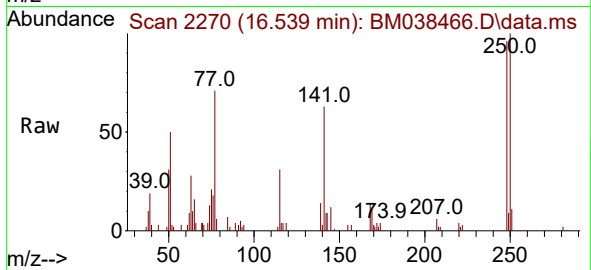




#67
4-Bromophenyl-phenylether
Concen: 3.697 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

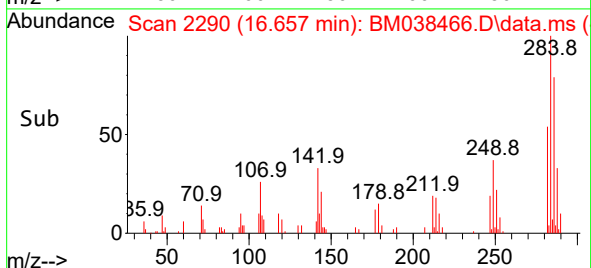
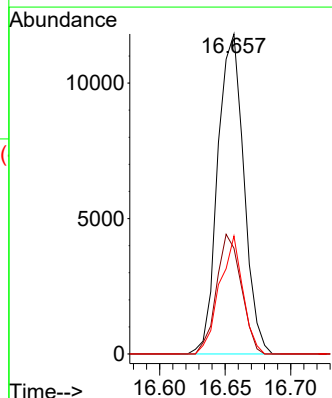
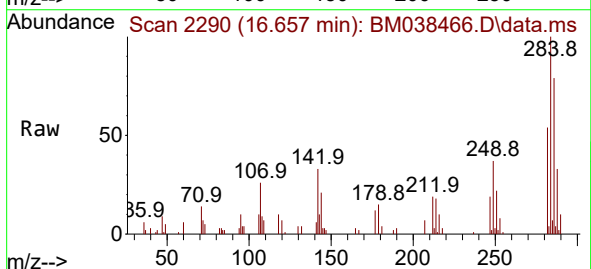
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

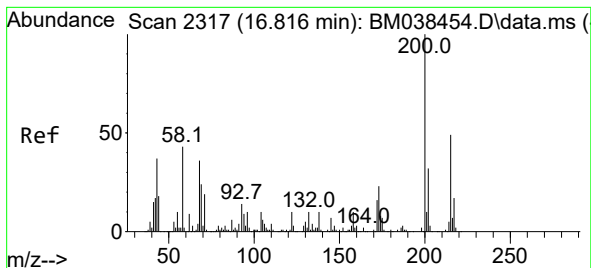
Tgt Ion:248 Resp: 13692
Ion Ratio Lower Upper
248 100
250 104.1 78.3 117.5
141 65.6 55.1 82.7



#68
Hexachlorobenzene
Concen: 3.937 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:284 Resp: 16326
Ion Ratio Lower Upper
284 100
142 33.0 26.0 39.0
249 36.8 23.8 35.8#





#69

Atrazine

Concen: 3.183 ng

RT: 16.810 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

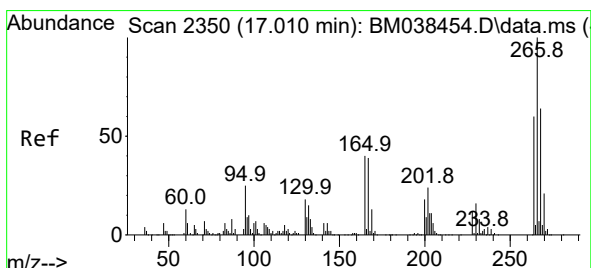
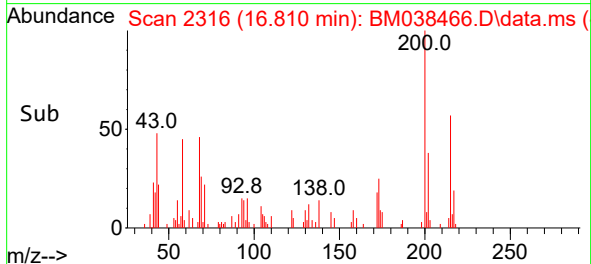
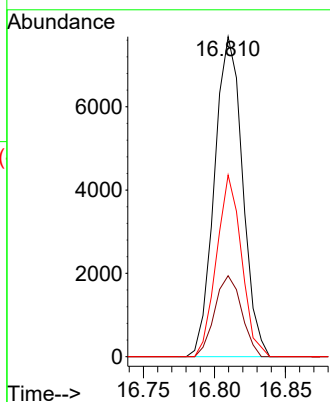
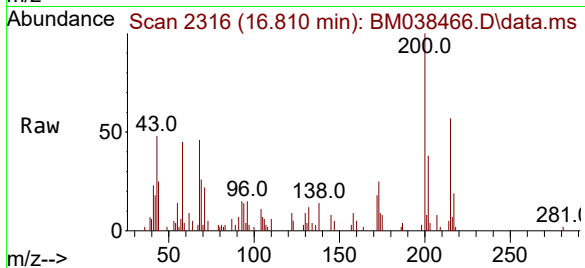
Tgt Ion:200 Resp: 10576

Ion Ratio Lower Upper

200 100

173 25.3 3.4 43.4

215 56.7 29.3 69.3



#70

Pentachlorophenol

Concen: 2.909 ng

RT: 17.004 min Scan# 2349

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

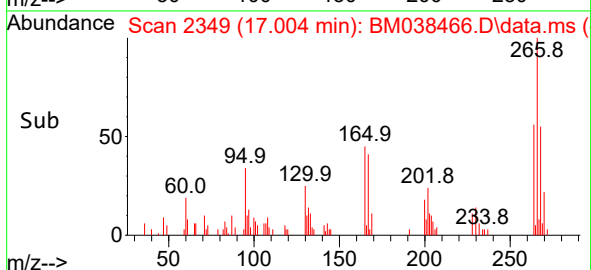
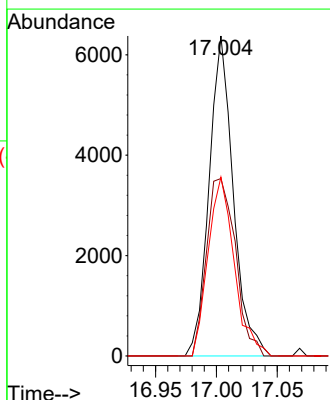
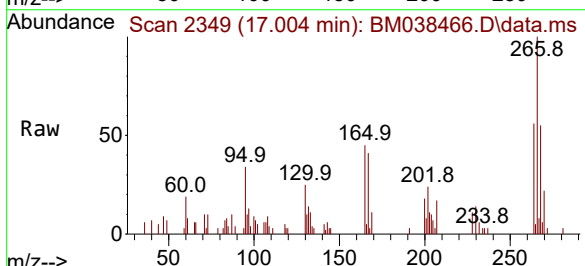
Tgt Ion:266 Resp: 8808

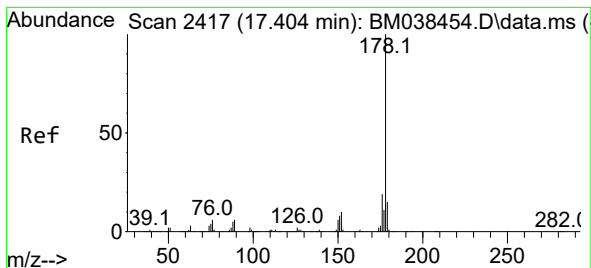
Ion Ratio Lower Upper

266 100

268 55.5 51.4 77.0

264 55.9 48.2 72.2





#71

Phenanthrene

Concen: 3.951 ng

RT: 17.392 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BM038466.D

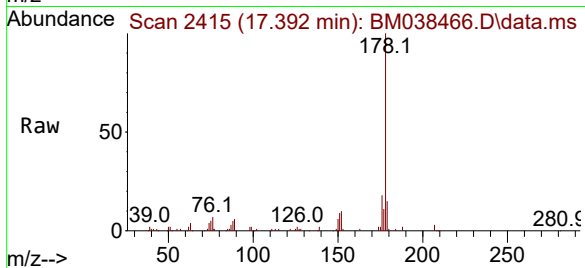
Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



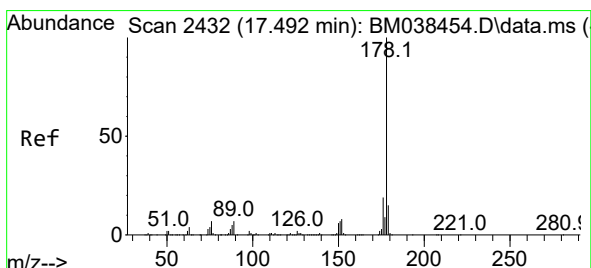
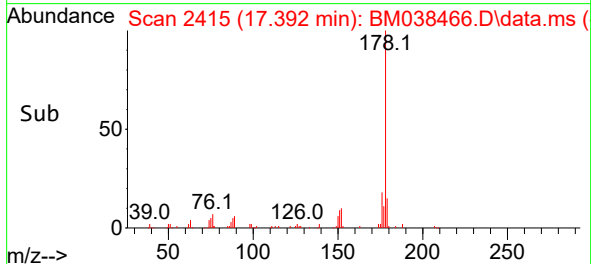
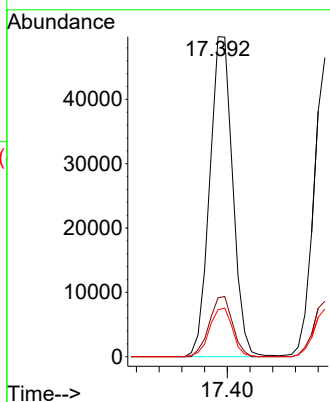
Tgt Ion:178 Resp: 69980

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 14.7 12.1 18.1



#72

Anthracene

Concen: 3.634 ng

RT: 17.486 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

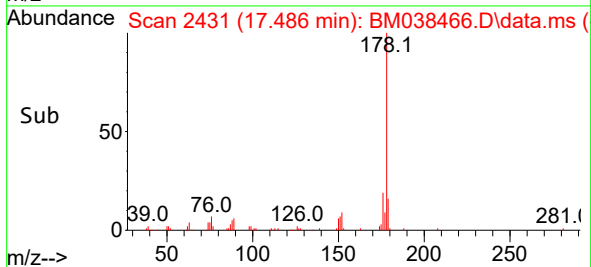
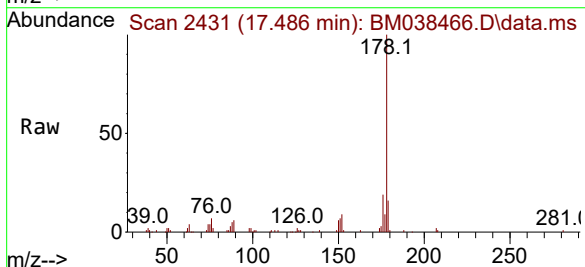
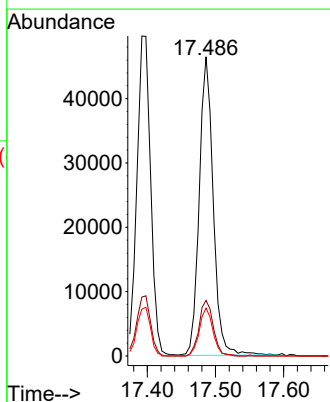
Tgt Ion:178 Resp: 66156

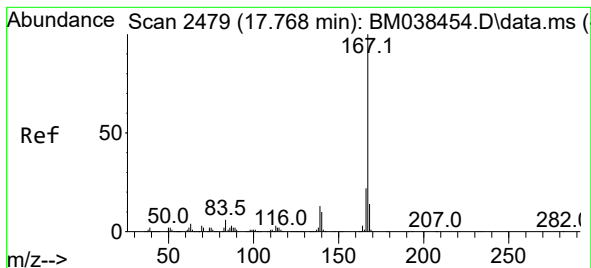
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 16.0 12.2 18.2





#73

Carbazole

Concen: 3.716 ng

RT: 17.762 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

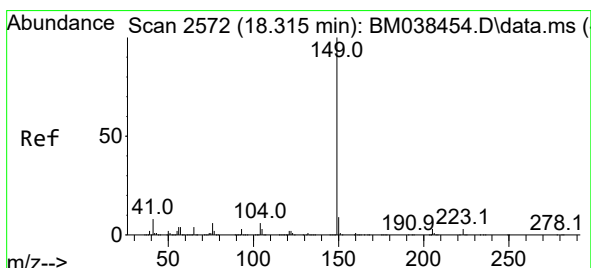
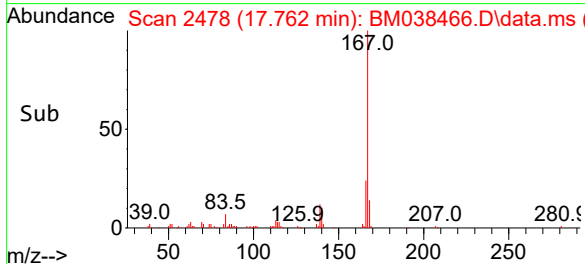
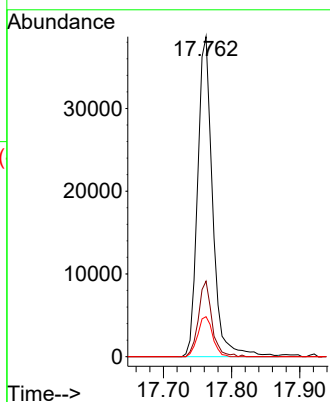
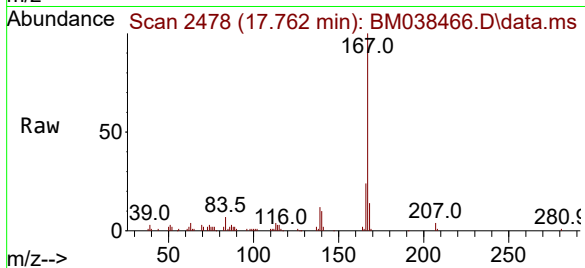
Tgt Ion:167 Resp: 59164

Ion Ratio Lower Upper

167 100

166 23.6 17.4 26.0

139 12.5 10.1 15.1



#74

Di-n-butylphthalate

Concen: 3.756 ng

RT: 18.309 min Scan# 2571

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

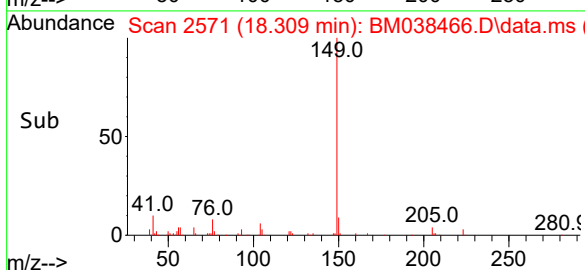
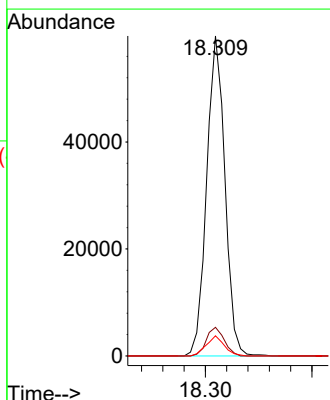
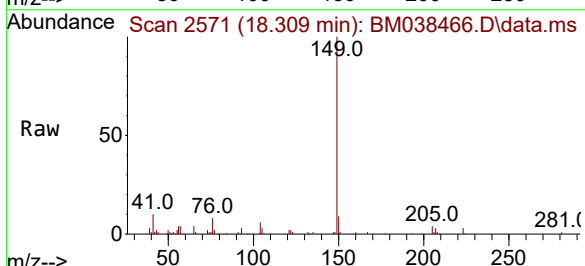
Tgt Ion:149 Resp: 71021

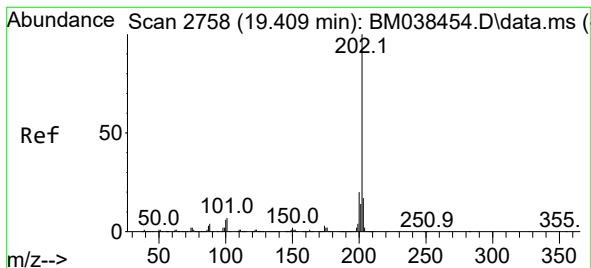
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 6.3 4.7 7.1





#75

Fluoranthene

Concen: 3.601 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

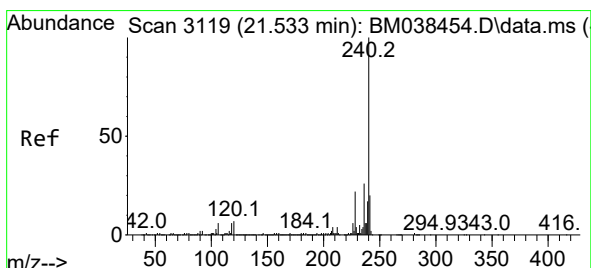
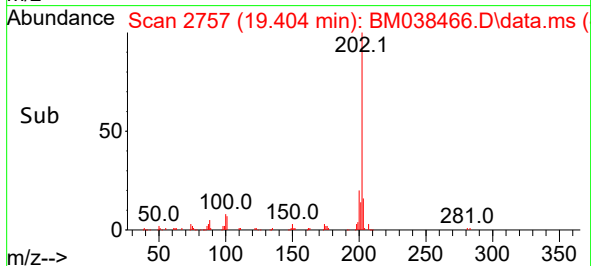
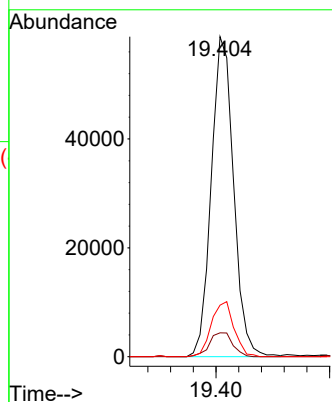
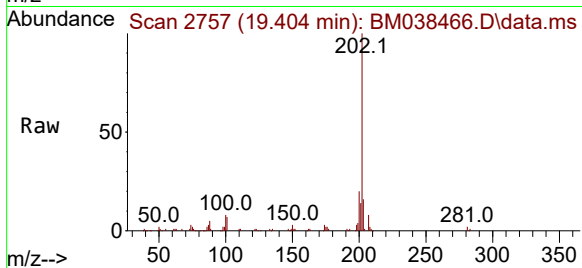
Tgt Ion:202 Resp: 80196

Ion Ratio Lower Upper

202 100

101 7.4 0.0 27.4

203 16.1 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: BM038466.D

Acq: 17 Jan 2023 16:16

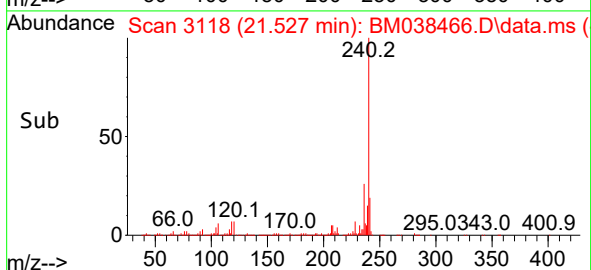
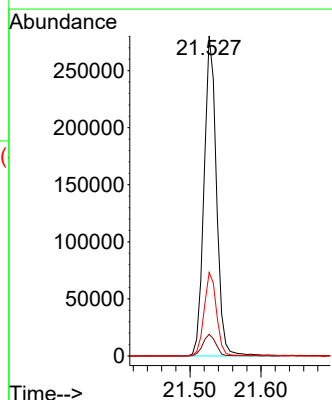
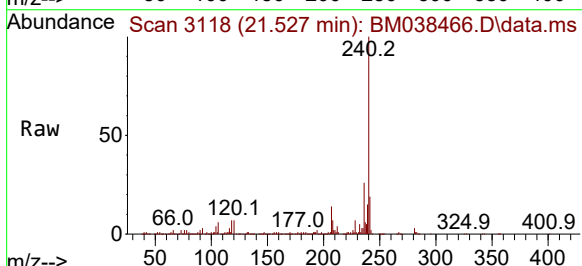
Tgt Ion:240 Resp: 342212

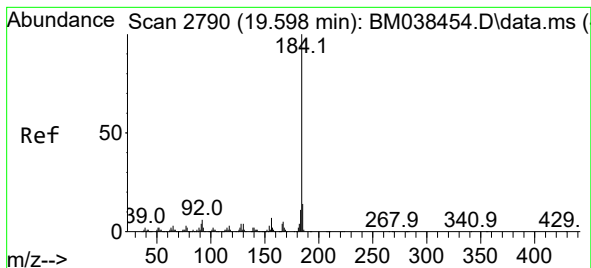
Ion Ratio Lower Upper

240 100

120 6.7 5.6 8.4

236 26.1 21.0 31.4





#77

Benzidine

Concen: 3.579 ng

RT: 19.598 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

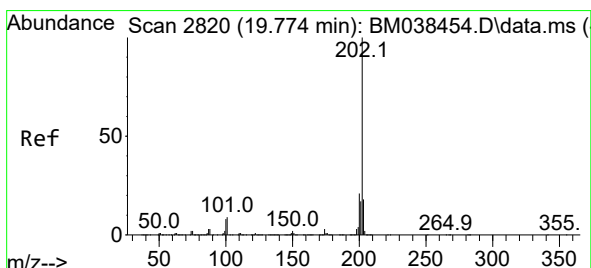
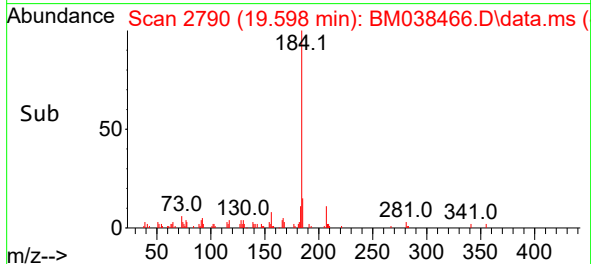
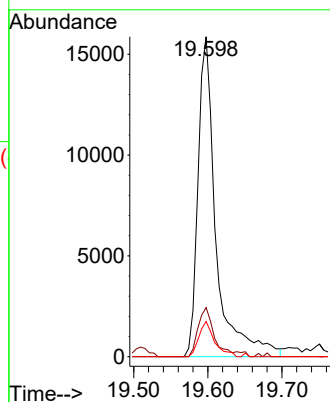
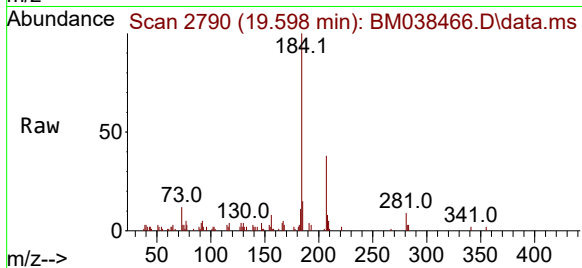
Tgt Ion:184 Resp: 26835

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

183 11.0 8.6 13.0



#78

Pyrene

Concen: 3.758 ng

RT: 19.768 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

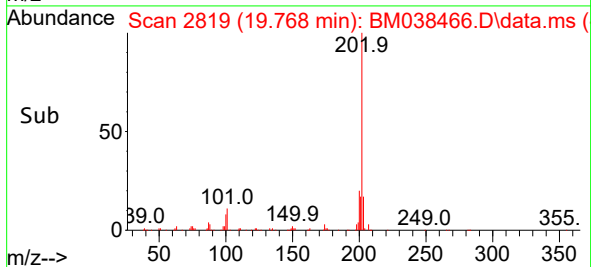
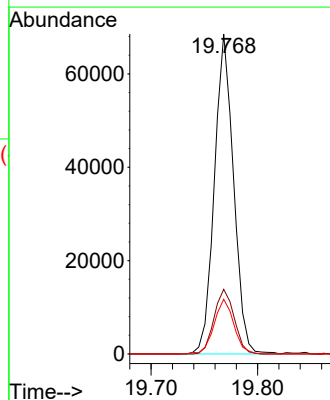
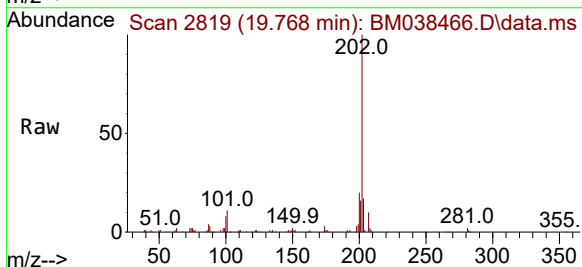
Tgt Ion:202 Resp: 85586

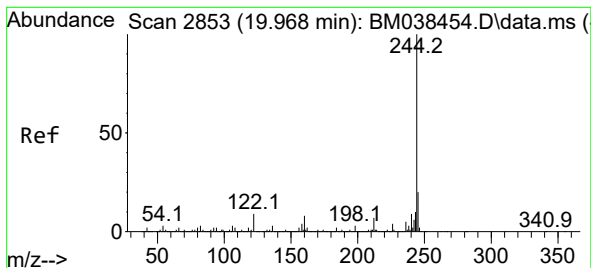
Ion Ratio Lower Upper

202 100

200 20.2 16.9 25.3

203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 65.293 ng

RT: 19.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

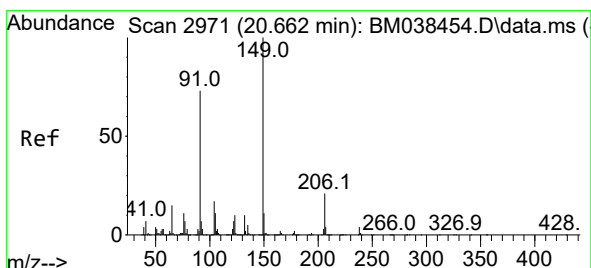
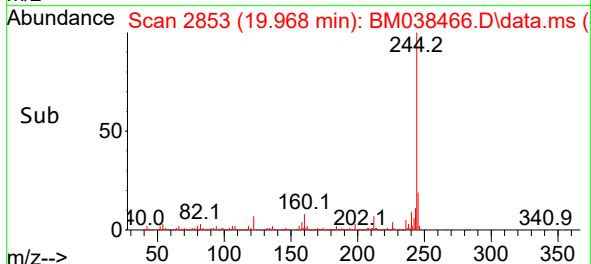
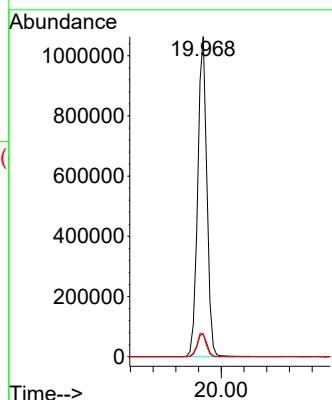
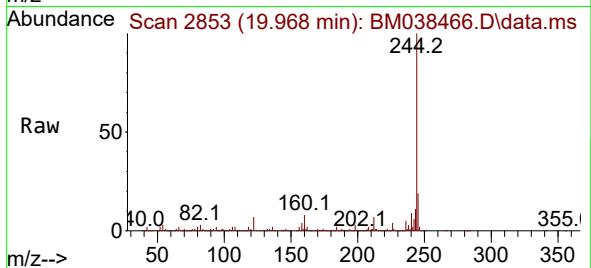
Tgt Ion:244 Resp: 1193566

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 7.1 7.1 10.7#



#80

Butylbenzylphthalate

Concen: 3.655 ng

RT: 20.656 min Scan# 2970

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

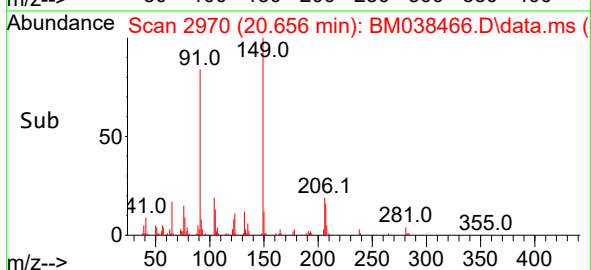
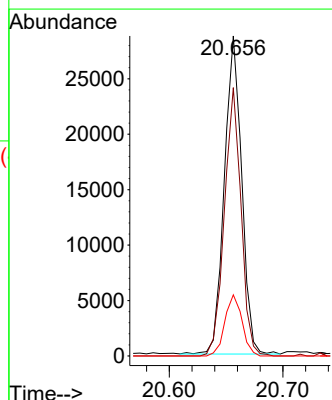
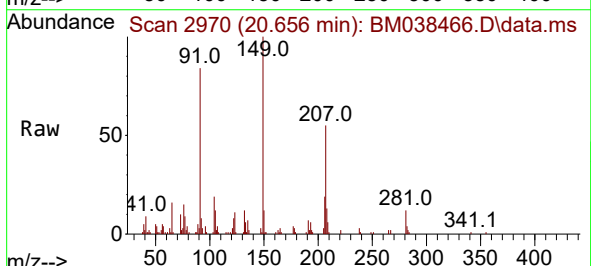
Tgt Ion:149 Resp: 30426

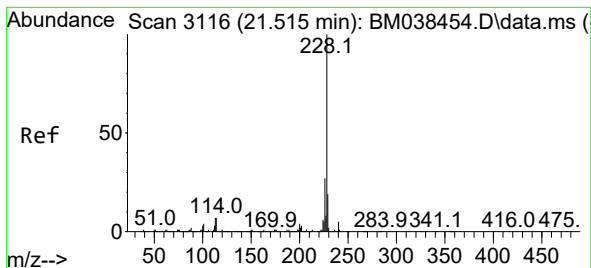
Ion Ratio Lower Upper

149 100

91 83.8 58.3 87.5

206 19.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 3.963 ng

RT: 21.509 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

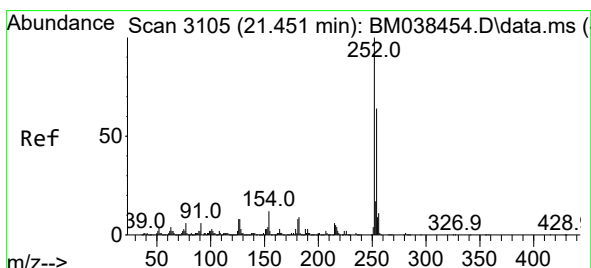
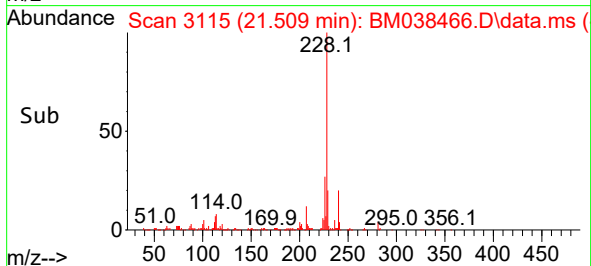
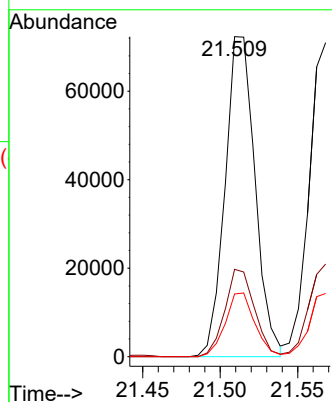
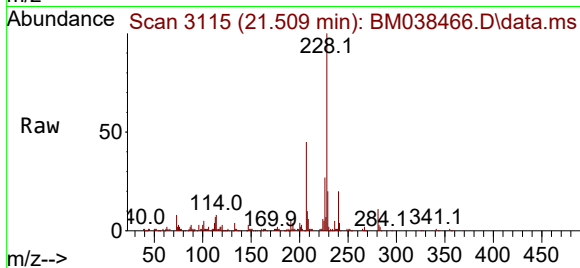
Tgt Ion:228 Resp: 97542

Ion Ratio Lower Upper

228 100

226 27.3 22.0 33.0

229 19.6 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 3.576 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

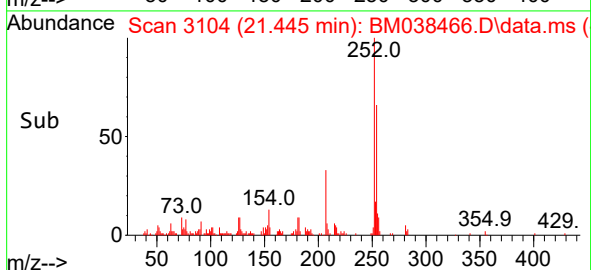
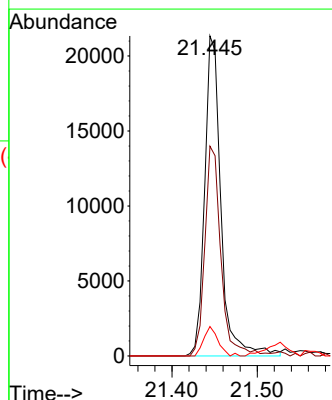
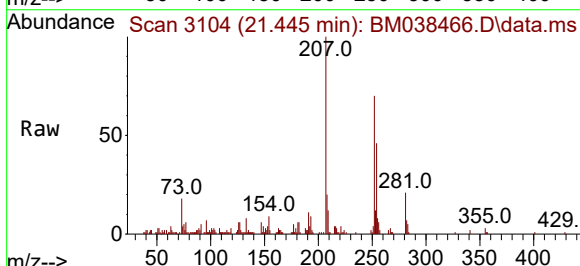
Tgt Ion:252 Resp: 28343

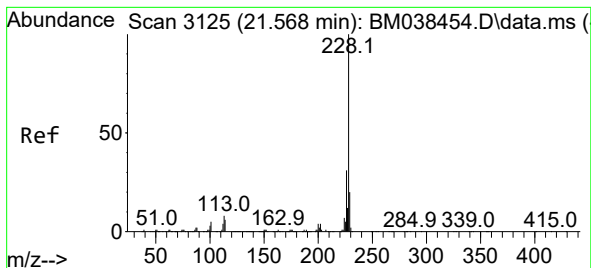
Ion Ratio Lower Upper

252 100

254 65.5 51.2 76.8

126 9.2 6.3 9.5





#83

Chrysene

Concen: 3.942 ng

RT: 21.568 min Scan# 3125

Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

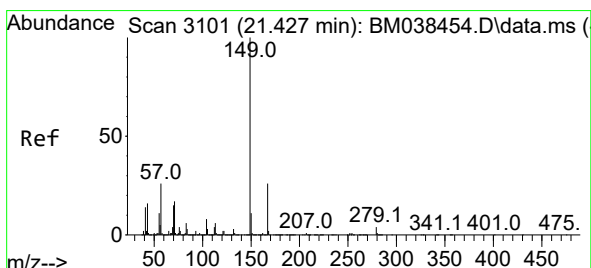
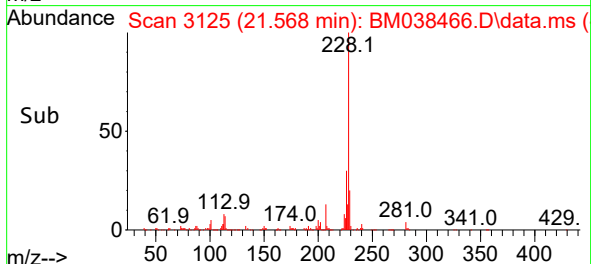
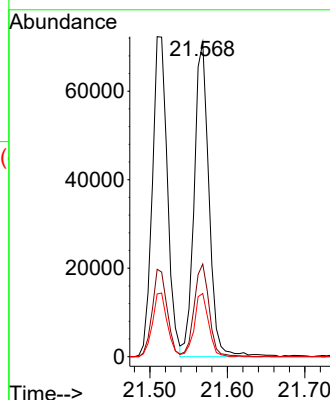
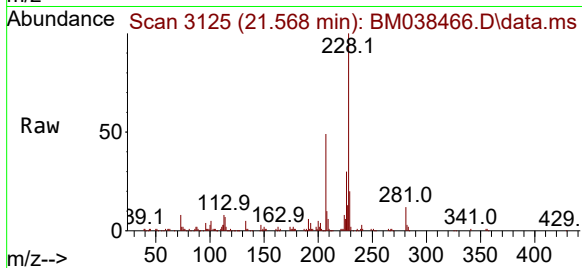
Tgt Ion:228 Resp: 94287

Ion Ratio Lower Upper

228 100

226 29.5 24.6 36.8

229 20.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.725 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

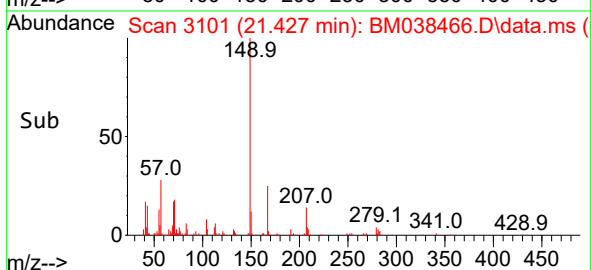
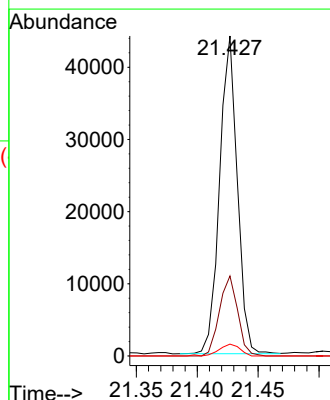
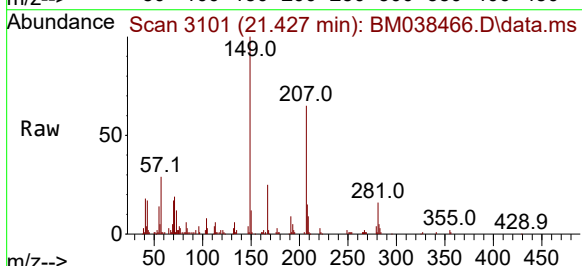
Tgt Ion:149 Resp: 44582

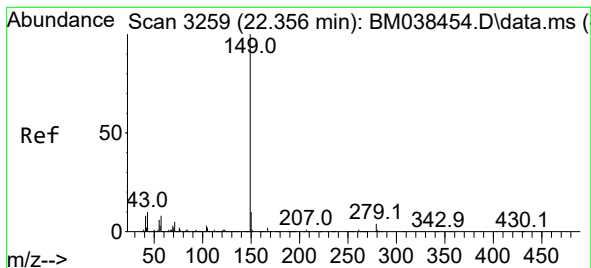
Ion Ratio Lower Upper

149 100

167 25.0 21.0 31.4

279 3.7 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 3.887 ng

RT: 22.356 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

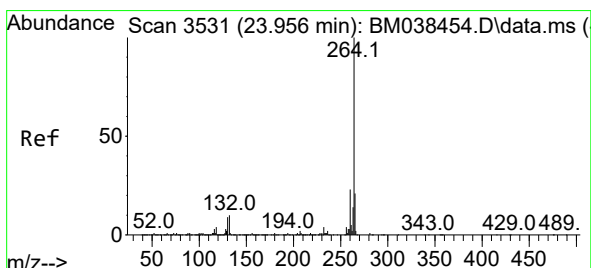
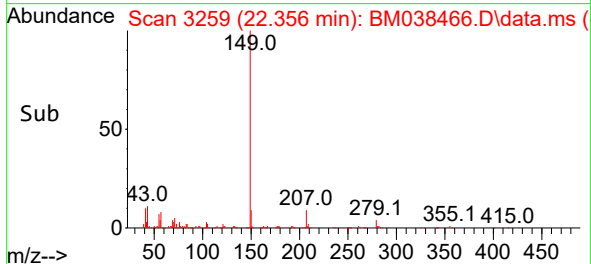
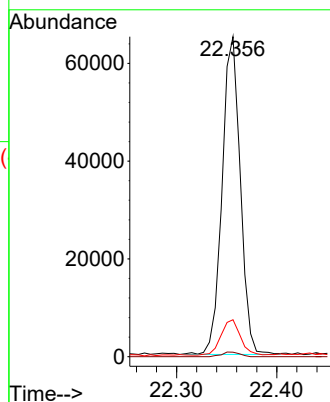
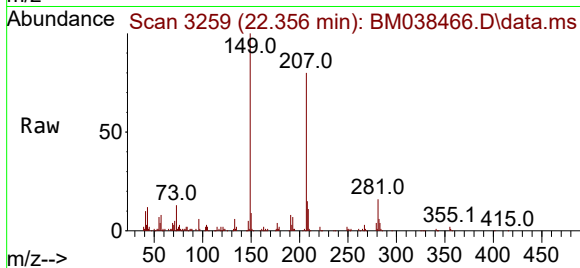
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:149	Resp:	81834
Ion Ratio	Lower	Upper
149	100	
167	1.4	1.3 1.9
43	12.0	8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

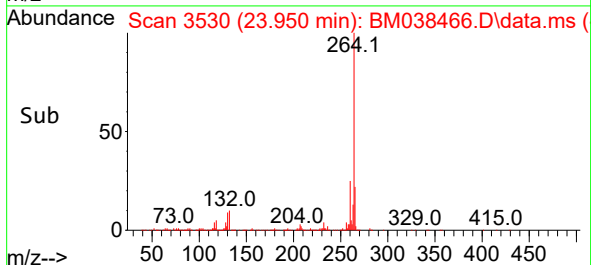
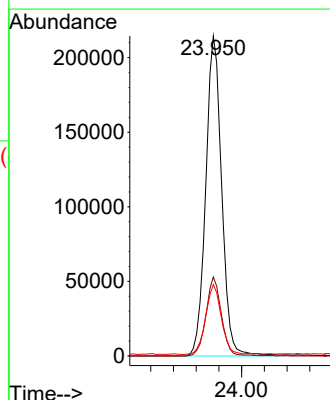
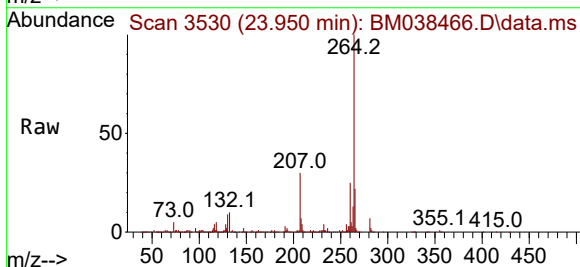
RT: 23.950 min Scan# 3530

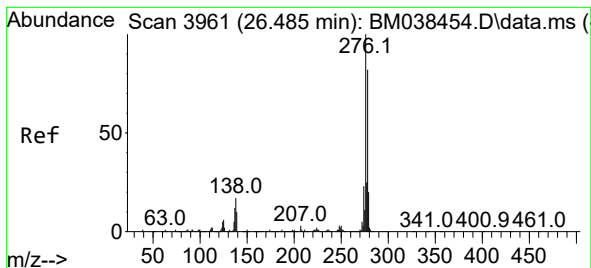
Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:264	Resp:	416614
Ion Ratio	Lower	Upper
264	100	
260	24.7	18.2 27.4
265	22.3	17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.733 ng

RT: 26.468 min Scan# 3412

Delta R.T. -0.018 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

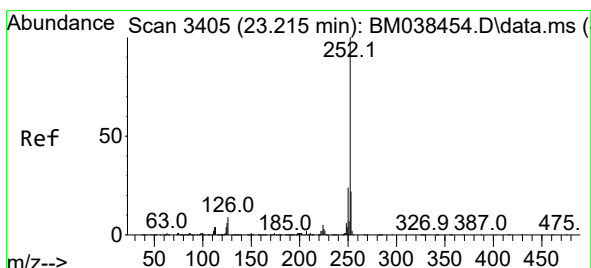
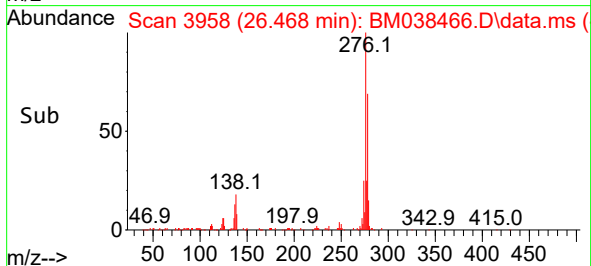
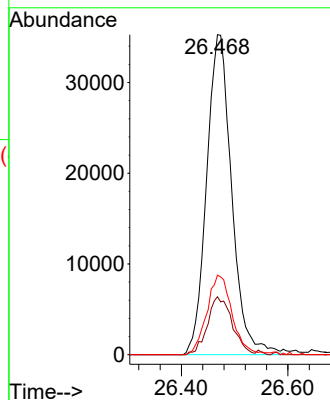
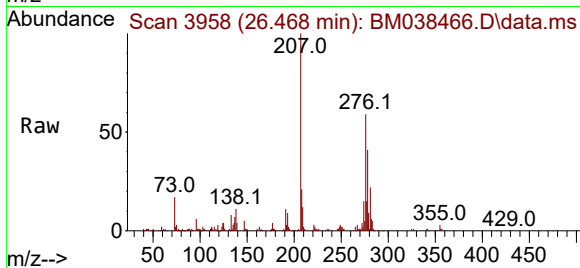
Tgt Ion:276 Resp: 115103

Ion Ratio Lower Upper

276 100

138 17.9 13.4 20.2

277 25.2 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 3.987 ng

RT: 23.256 min Scan# 3412

Delta R.T. 0.041 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

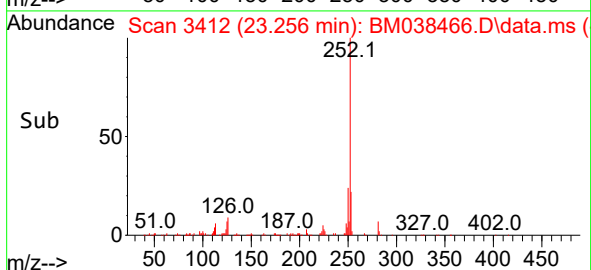
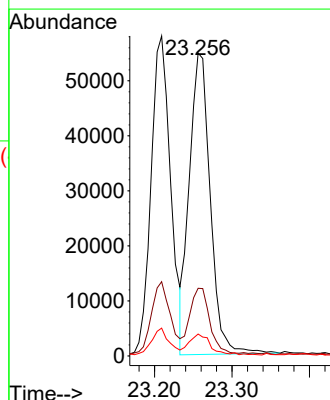
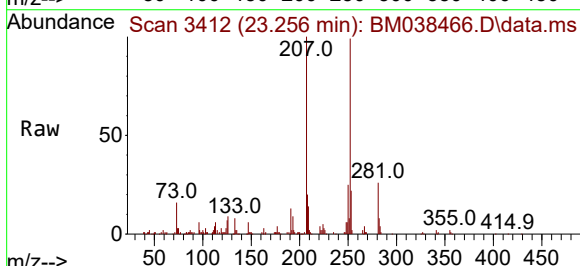
Tgt Ion:252 Resp: 102995

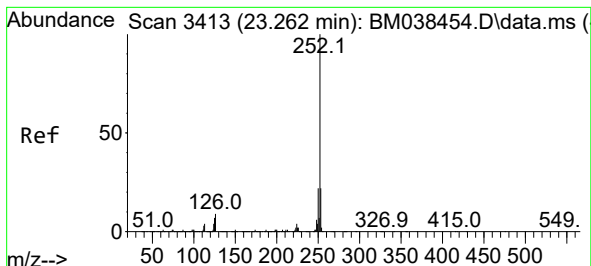
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 7.2 5.1 7.7





#89

Benzo(k)fluoranthene

Concen: 3.855 ng

RT: 23.256 min Scan# 3413

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

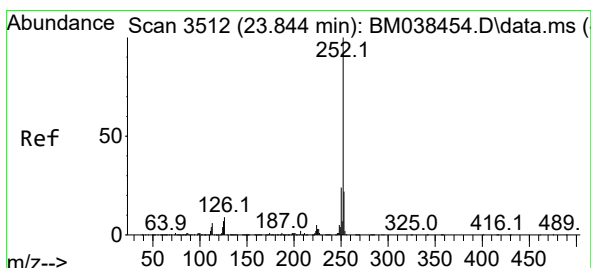
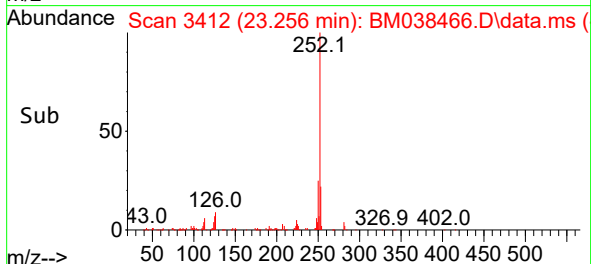
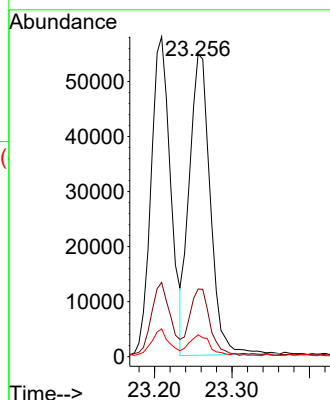
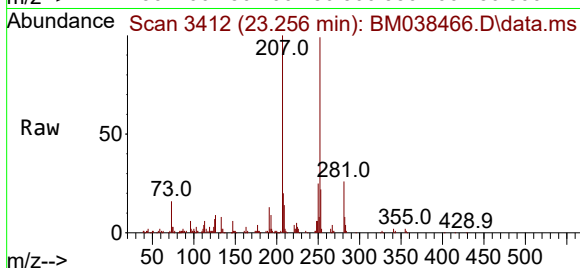
Tgt Ion:252 Resp: 102995

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 7.2 5.5 8.3



#90

Benzo(a)pyrene

Concen: 3.647 ng

RT: 23.839 min Scan# 3511

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

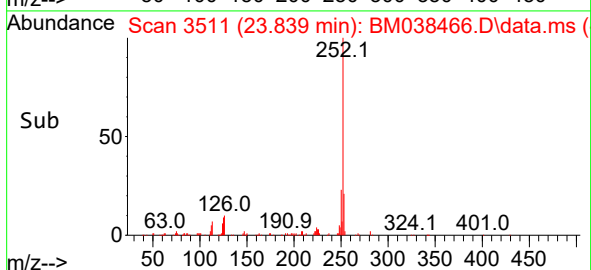
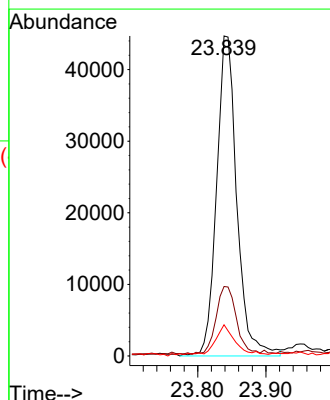
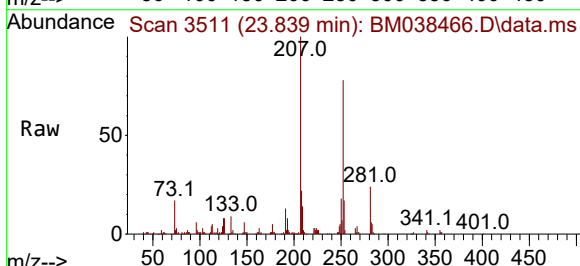
Tgt Ion:252 Resp: 92452

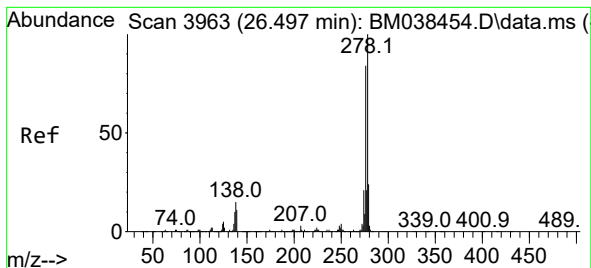
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 9.8 5.8 8.8#





#91

Dibenzo(a,h)anthracene

Concen: 3.944 ng

RT: 26.485 min Scan# 3961

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

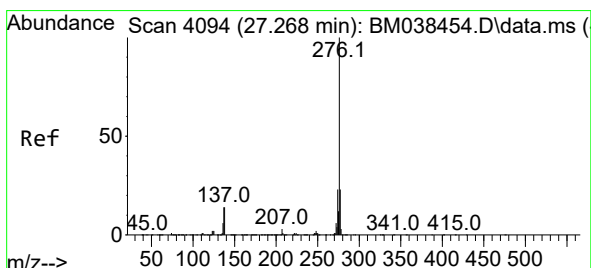
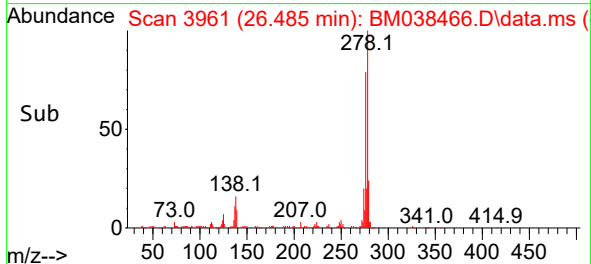
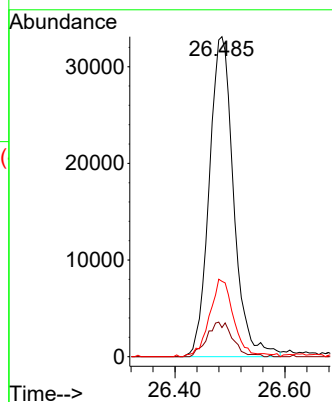
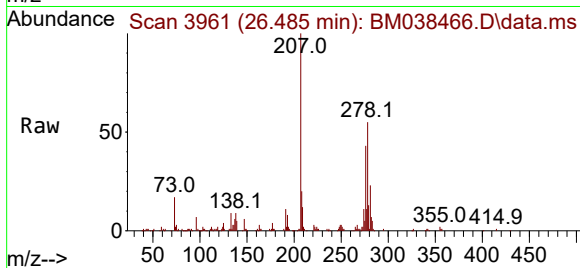
Tgt Ion:278 Resp: 102047

Ion Ratio Lower Upper

278 100

139 9.1 8.4 12.6

279 23.5 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 3.954 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.024 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:276 Resp: 101496

Ion Ratio Lower Upper

276 100

277 22.7 18.6 27.8

138 14.7 11.3 16.9

