

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
 Data File : BM038512.D
 Acq On : 23 Jan 2023 16:56
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Jan 24 05:14:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	70414	20.000	ng	0.00
21) Naphthalene-d8	10.774	136	233799	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	146347	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	334618	20.000	ng	0.00
76) Chrysene-d12	21.515	240	371309	20.000	ng	0.00
86) Perylene-d12	23.927	264	463050	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	460000	107.995	ng	0.00
7) Phenol-d6	7.128	99	588019	108.200	ng	0.00
23) Nitrobenzene-d5	9.139	82	382746	71.090	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	264255	125.391	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	866444	72.930	ng	0.00
79) Terphenyl-d14	19.956	244	1348150	70.783	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	9096	4.553	ng	97
3) Pyridine	3.810	79	20331	3.875	ng	97
4) n-Nitrosodimethylamine	3.704	42	12308	4.941	ng	# 92
6) Aniline	7.292	93	33869	5.021	ng	# 96
8) 2-Chlorophenol	7.528	128	23512	5.404	ng	97
9) Benzaldehyde	7.110	77	20857	6.470	ng	95
10) Phenol	7.151	94	29777	5.483	ng	87
11) bis(2-Chloroethyl)ether	7.386	93	23148	5.402	ng	95
12) 1,3-Dichlorobenzene	7.851	146	27055	5.469	ng	96
13) 1,4-Dichlorobenzene	7.998	146	28246	5.651	ng	96
14) 1,2-Dichlorobenzene	8.316	146	27384	5.656	ng	97
15) Benzyl Alcohol	8.216	79	20778	5.114	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.492	45	24445	5.433	ng	98
17) 2-Methylphenol	8.410	107	18018	4.688	ng	95
18) Hexachloroethane	9.045	117	10347	5.568	ng	96
19) n-Nitroso-di-n-propyla...	8.775	70	18144	4.737	ng	96
20) 3+4-Methylphenols	8.745	107	23632	4.588	ng	97
22) Acetophenone	8.798	105	29745	4.618	ng	95
24) Nitrobenzene	9.180	77	31580	5.797	ng	97
25) Isophorone	9.704	82	45093	5.075	ng	# 97
26) 2-Nitrophenol	9.892	139	10316	4.771	ng	93
27) 2,4-Dimethylphenol	9.945	122	12633	3.510	ng	93
28) bis(2-Chloroethoxy)met...	10.186	93	27041	5.203	ng	96
29) 2,4-Dichlorophenol	10.427	162	20181	4.780	ng	94
30) 1,2,4-Trichlorobenzene	10.633	180	26602	5.510	ng	96
31) Naphthalene	10.827	128	65154	5.130	ng	98
32) Benzoic acid	10.027	122	5111	7.192	ng	# 85
33) 4-Chloroaniline	10.951	127	24793	4.677	ng	96
34) Hexachlorobutadiene	11.104	225	18383	5.788	ng	97
35) Caprolactam	11.727	113	3285	3.209	ng	# 72
36) 4-Chloro-3-methylphenol	12.063	107	18636	4.854	ng	96
37) 2-Methylnaphthalene	12.433	142	44267	4.850	ng	95
38) 1-Methylnaphthalene	12.651	142	42037	4.883	ng	95
40) 1,2,4,5-Tetrachloroben...	12.798	216	25820	4.690	ng	96
41) Hexachlorocyclopentadiene	12.768	237	12863	4.251	ng	99
43) 2,4,6-Trichlorophenol	13.039	196	17608	4.997	ng	96

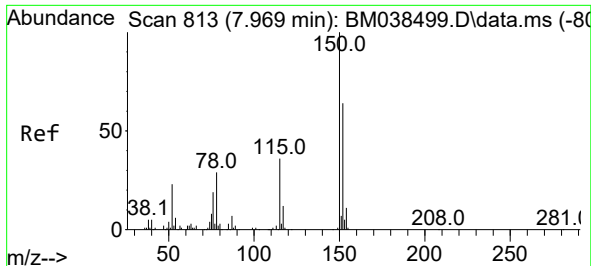
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.115	196	19408	4.702	ng	98
46) 1,1'-Biphenyl	13.439	154	53130	4.533	ng	98
47) 2-Chloronaphthalene	13.480	162	49929	5.457	ng	96
48) 2-Nitroaniline	13.698	65	11083	4.125	ng	99
49) Acenaphthylene	14.321	152	69550	4.859	ng	99
50) Dimethylphthalate	14.057	163	57187	5.076	ng	98
51) 2,6-Dinitrotoluene	14.186	165	11276	4.756	ng	97
52) Acenaphthene	14.662	154	44378	5.083	ng	98
53) 3-Nitroaniline	14.515	138	9884	4.195	ng #	93
54) 2,4-Dinitrophenol	14.733	184	6120	7.965	ng	98
55) Dibenzofuran	14.998	168	74783	5.124	ng	97
56) 4-Nitrophenol	14.827	139	7242	3.733	ng #	82
57) 2,4-Dinitrotoluene	14.974	165	14163	4.407	ng #	99
58) Fluorene	15.645	166	58612	4.952	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.221	232	17317	5.133	ng #	96
60) Diethylphthalate	15.415	149	54398	4.931	ng	100
61) 4-Chlorophenyl-phenyle...	15.639	204	32105	5.167	ng	98
62) 4-Nitroaniline	15.680	138	8992	6.481	ng	98
63) Azobenzene	15.927	77	53685	4.593	ng	98
65) 4,6-Dinitro-2-methylph...	15.733	198	8727	4.018	ng	97
66) n-Nitrosodiphenylamine	15.851	169	48961	4.874	ng	99
67) 4-Bromophenyl-phenylether	16.533	248	18607	5.013	ng	95
68) Hexachlorobenzene	16.645	284	23017	5.747	ng	98
69) Atrazine	16.803	200	14890	4.443	ng	98
70) Pentachlorophenol	16.992	266	12230	4.289	ng	96
71) Phenanthrene	17.386	178	94656	5.065	ng	99
72) Anthracene	17.474	178	90732	4.772	ng	99
73) Carbazole	17.750	167	81506	4.867	ng	98
74) Di-n-butylphthalate	18.297	149	82028	4.459	ng	99
75) Fluoranthene	19.397	202	112059	4.990	ng	97
77) Benzidine	19.586	184	31246	3.693	ng	98
78) Pyrene	19.756	202	121108	4.684	ng	99
80) Butylbenzylphthalate	20.644	149	36320	4.062	ng	97
81) Benzo(a)anthracene	21.503	228	134578	5.115	ng	99
82) 3,3'-Dichlorobenzidine	21.438	252	39217	4.640	ng	97
83) Chrysene	21.556	228	130167	5.059	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	53783	4.151	ng	97
85) Di-n-octyl phthalate	22.338	149	93276	4.049	ng	100
87) Indeno(1,2,3-cd)pyrene	26.444	276	179761	5.246	ng	98
88) Benzo(b)fluoranthene	23.191	252	147235	5.271	ng	99
89) Benzo(k)fluoranthene	23.191	252	147235	5.094	ng	99
90) Benzo(a)pyrene	23.821	252	132733	4.793	ng	97
91) Dibenzo(a,h)anthracene	26.456	278	154883	5.430	ng	97
92) Benzo(g,h,i)perylene	27.220	276	156883	5.370	ng	96

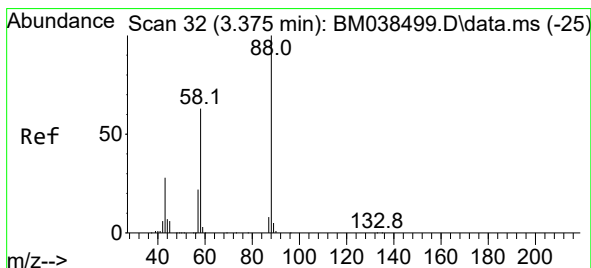
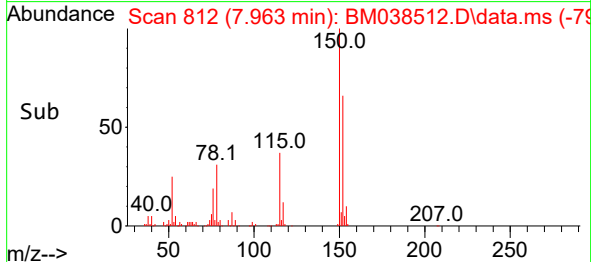
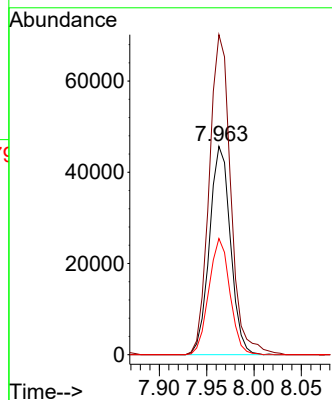
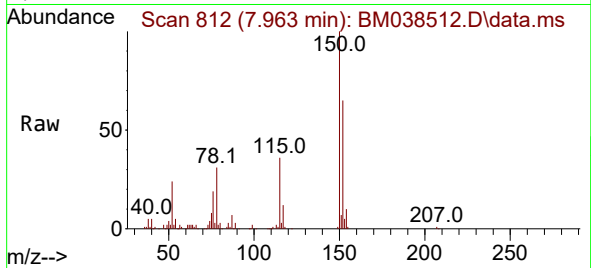
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

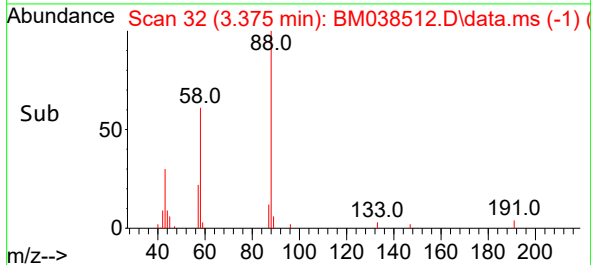
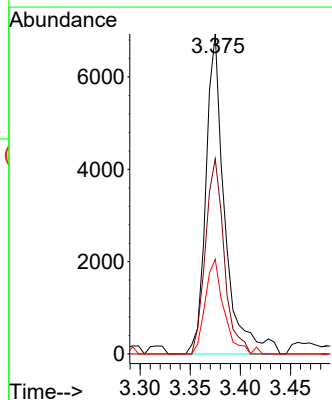
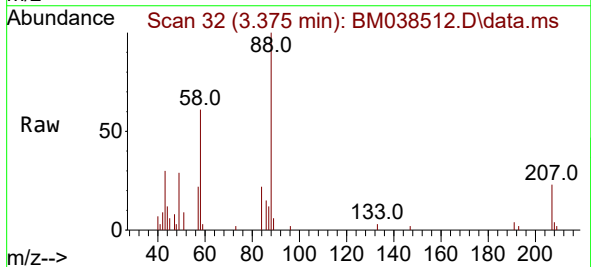
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

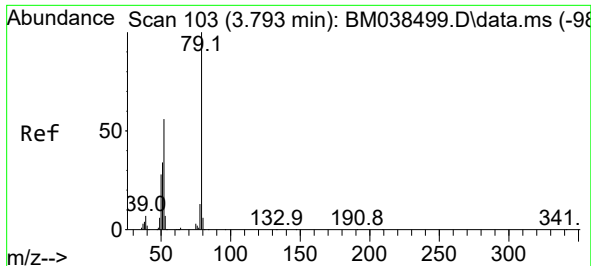
Tgt Ion:152 Resp: 70414
Ion Ratio Lower Upper
152 100
150 153.6 124.2 186.4
115 55.7 44.8 67.2



#2
1,4-Dioxane
Concen: 4.553 ng
RT: 3.375 min Scan# 32
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion: 88 Resp: 9096
Ion Ratio Lower Upper
88 100
58 60.4 50.5 75.7
43 29.6 23.9 35.9

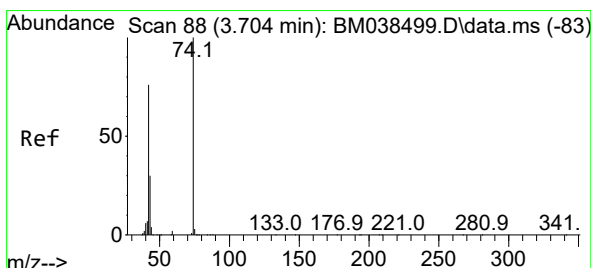
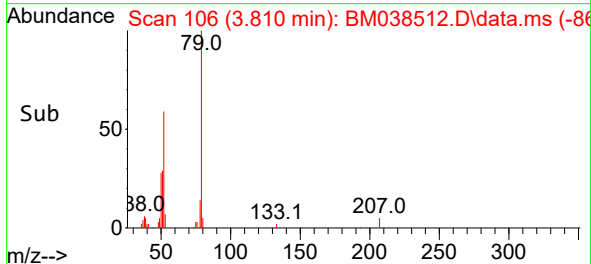
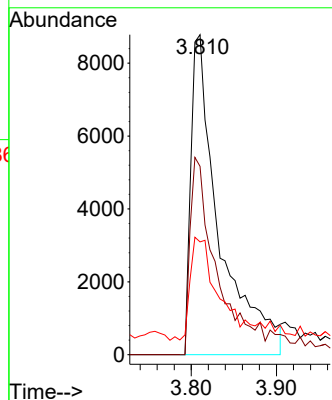
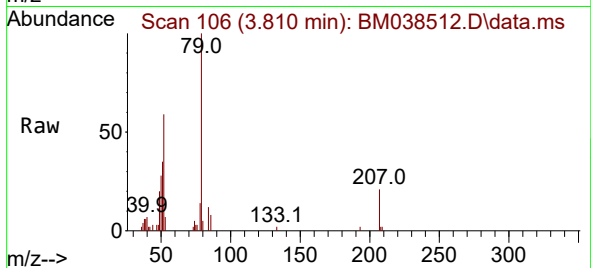




#3
Pyridine
Concen: 3.875 ng
RT: 3.810 min Scan# 106
Delta R.T. 0.018 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

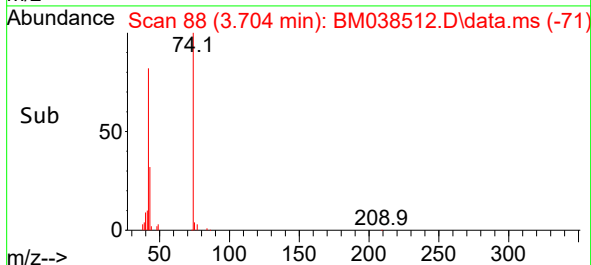
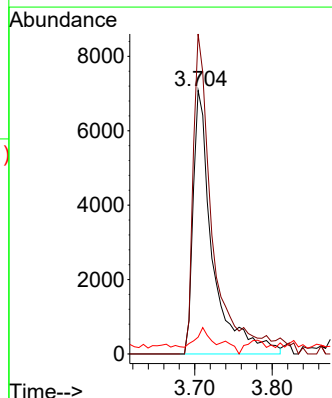
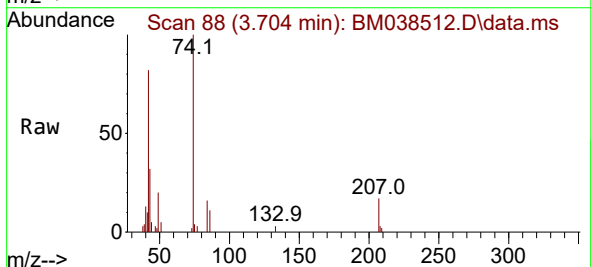
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

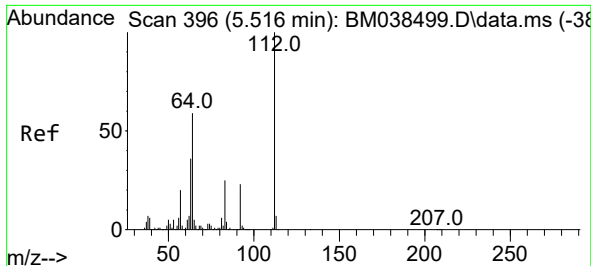
Tgt Ion: 79 Resp: 20331
Ion Ratio Lower Upper
79 100
52 58.9 45.0 67.4
51 35.2 27.1 40.7



#4
n-Nitrosodimethylamine
Concen: 4.941 ng
RT: 3.704 min Scan# 88
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion: 42 Resp: 12308
Ion Ratio Lower Upper
42 100
74 121.4 105.0 157.4
44 6.4 4.1 6.1#

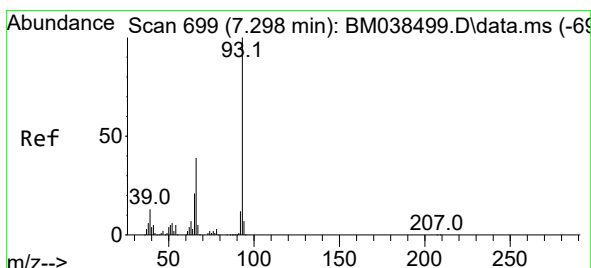
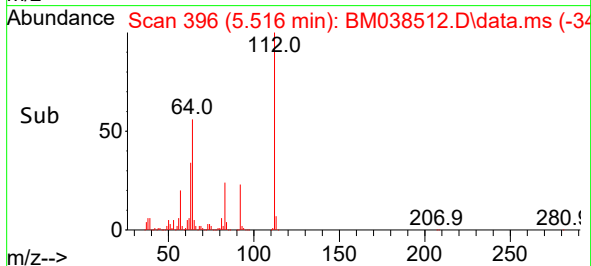
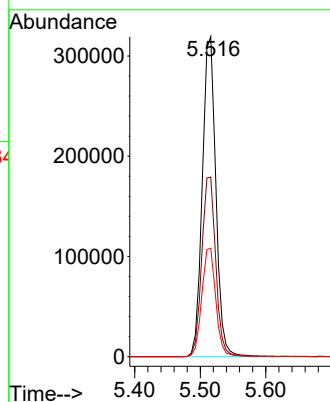
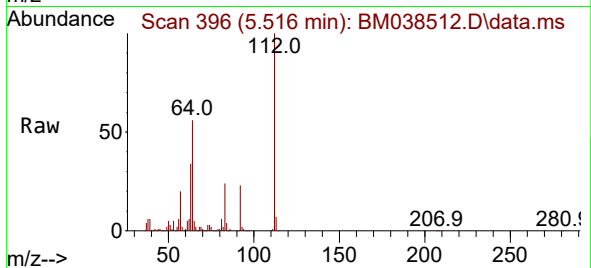




#5
2-Fluorophenol
Concen: 107.995 ng
RT: 5.516 min Scan# 396
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

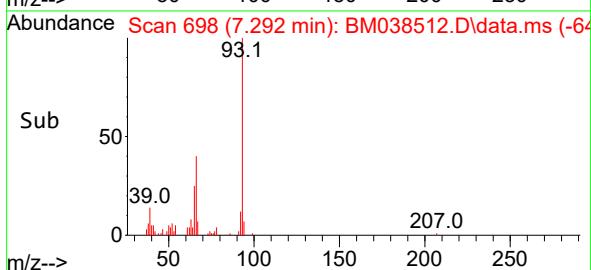
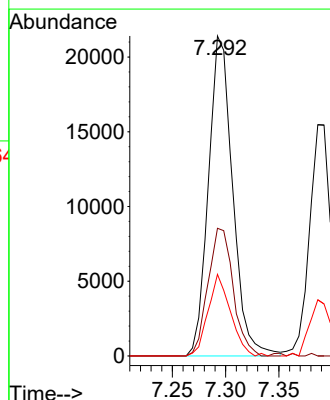
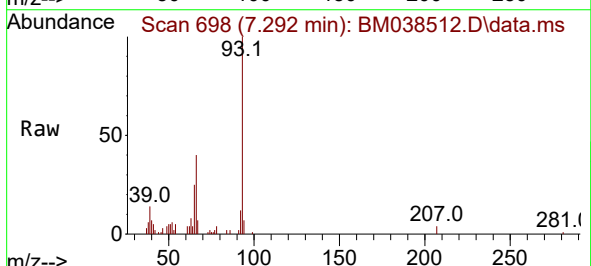
Instrument :
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ClientSampleId :
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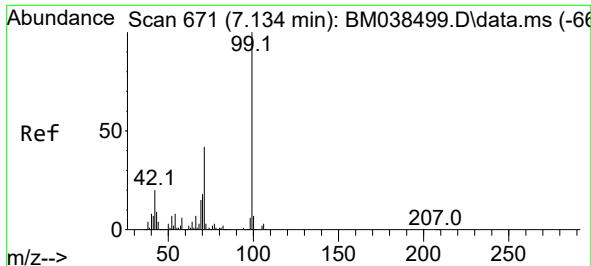
Tgt Ion:112 Resp: 460000
Ion Ratio Lower Upper
112 100
64 56.1 47.3 70.9
63 33.9 28.8 43.2



#6
Aniline
Concen: 5.021 ng
RT: 7.292 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion: 93 Resp: 33869
Ion Ratio Lower Upper
93 100
66 39.9 31.6 47.4
65 25.5 16.6 24.8#

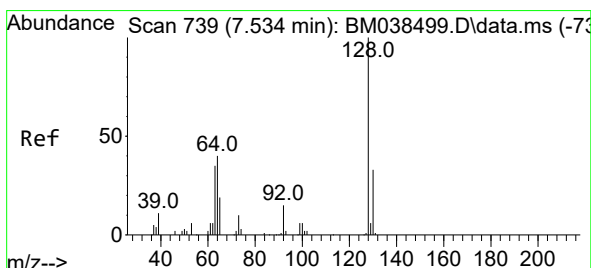
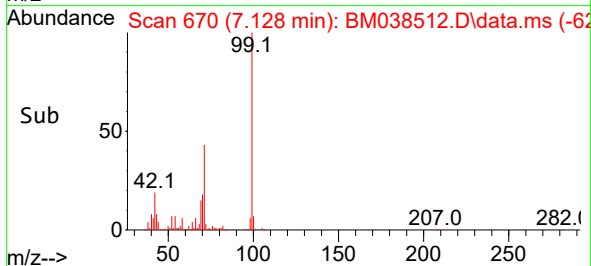
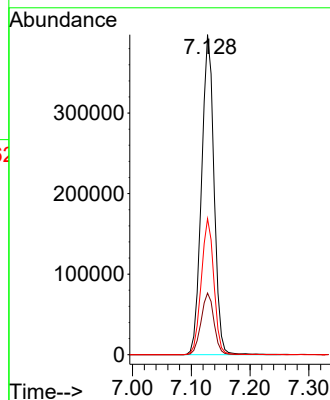
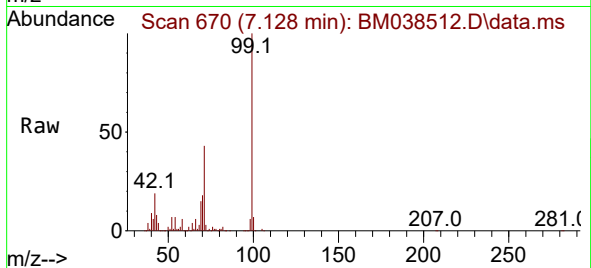




#7
Phenol-d6
Concen: 108.200 ng
RT: 7.128 min Scan# 671
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

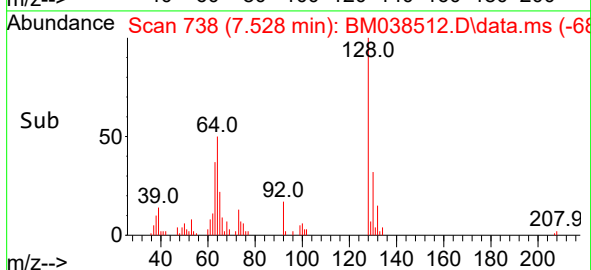
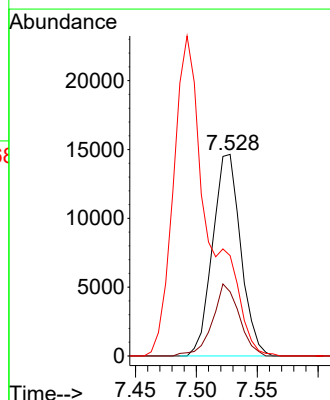
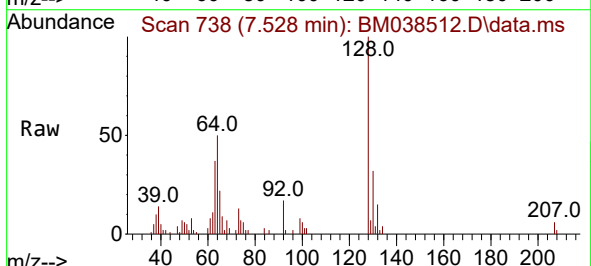
Instrument :
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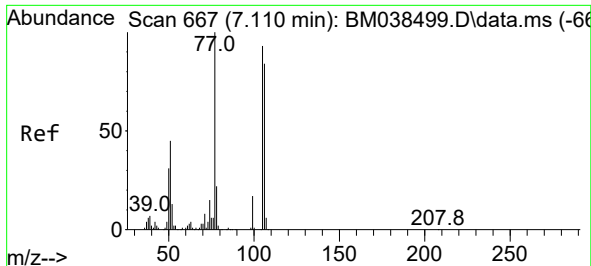
Tgt Ion: 99 Resp: 588019
Ion Ratio Lower Upper
99 100
42 19.3 16.0 24.0
71 42.5 33.8 50.6



#8
2-Chlorophenol
Concen: 5.404 ng
RT: 7.528 min Scan# 738
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:128 Resp: 23512
Ion Ratio Lower Upper
128 100
130 31.8 13.2 53.2
64 49.8 27.7 67.7

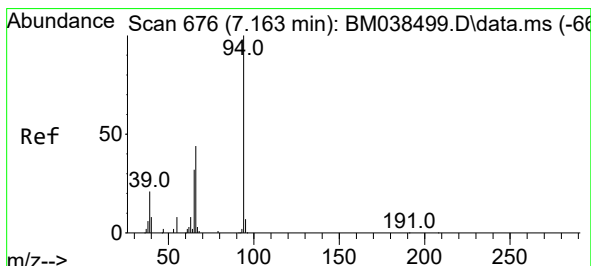
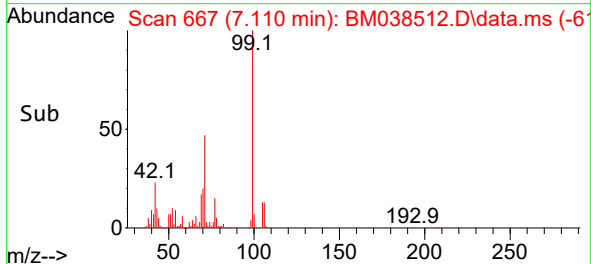
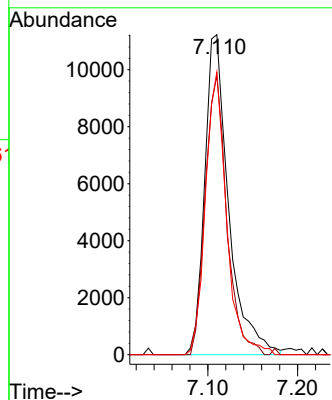
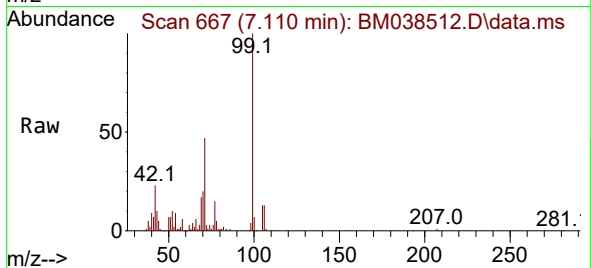




#9
Benzaldehyde
Concen: 6.470 ng
RT: 7.110 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

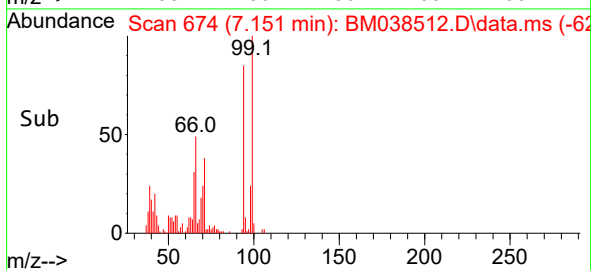
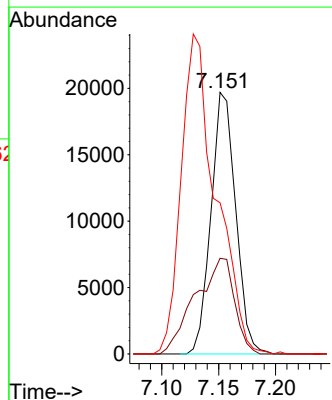
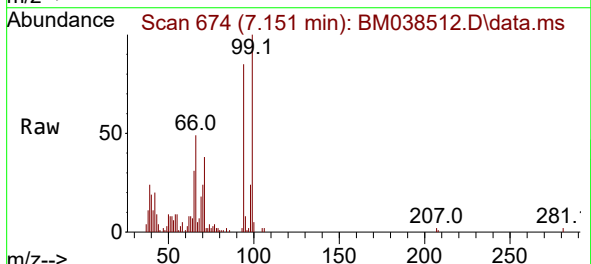
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2022

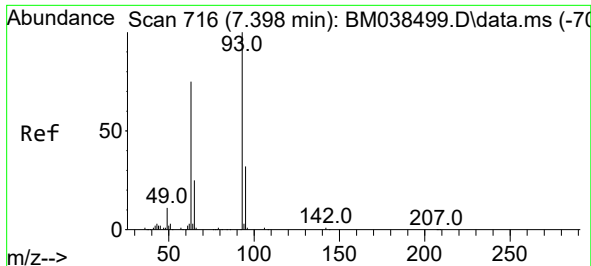
Tgt Ion: 77 Resp: 20857
Ion Ratio Lower Upper
77 100
105 87.2 72.9 112.9
106 88.3 63.8 103.8



#10
Phenol
Concen: 5.483 ng
RT: 7.151 min Scan# 674
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion: 94 Resp: 29777
Ion Ratio Lower Upper
94 100
65 36.6 12.7 52.7
66 57.8 26.0 66.0

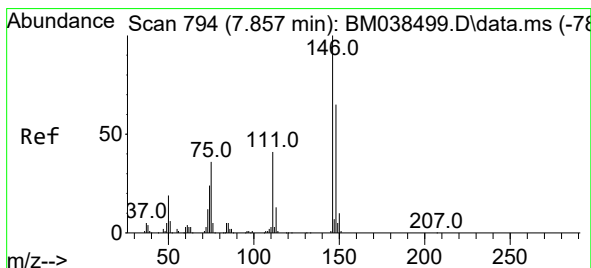
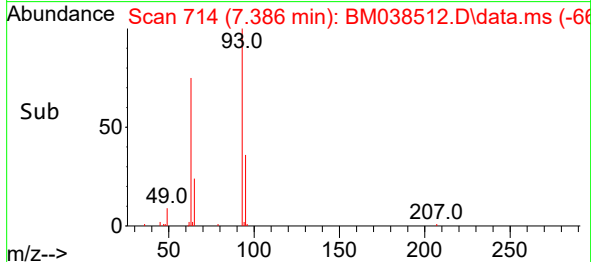
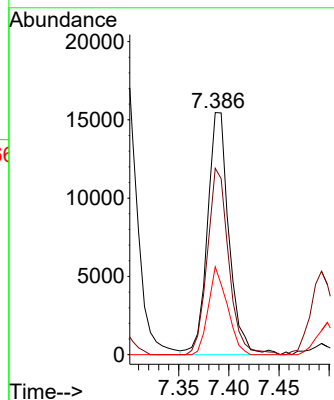
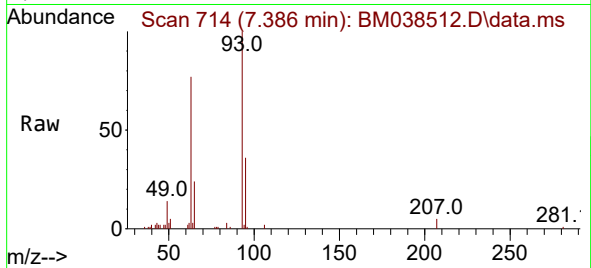




#11
bis(2-Chloroethyl)ether
Concen: 5.402 ng
RT: 7.386 min Scan# 716
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

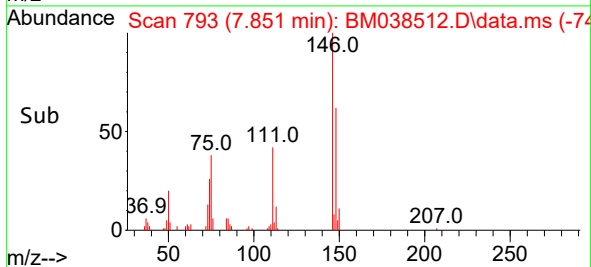
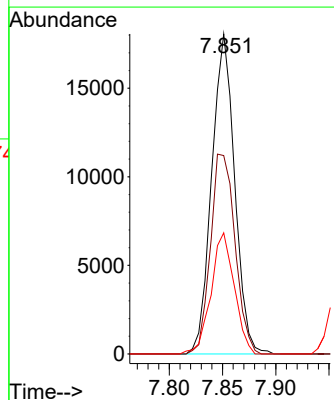
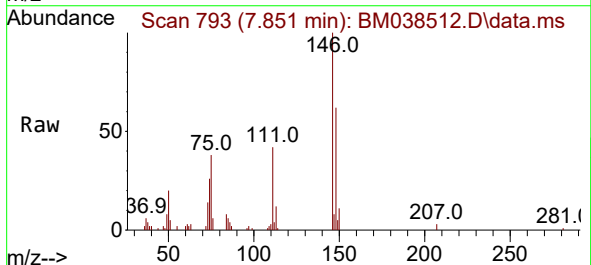
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

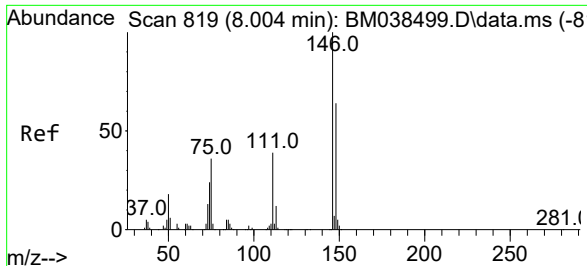
Tgt Ion: 93 Resp: 23148
Ion Ratio Lower Upper
93 100
63 77.0 54.4 94.4
95 36.3 11.4 51.4



#12
1,3-Dichlorobenzene
Concen: 5.469 ng
RT: 7.851 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:146 Resp: 27055
Ion Ratio Lower Upper
146 100
148 62.0 52.1 78.1
75 37.8 28.7 43.1

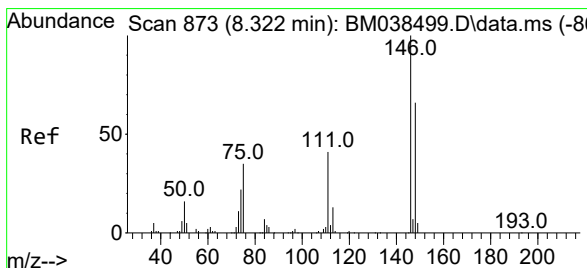
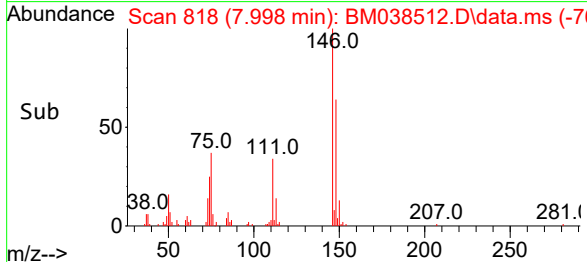
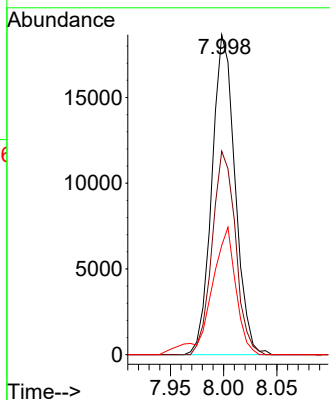
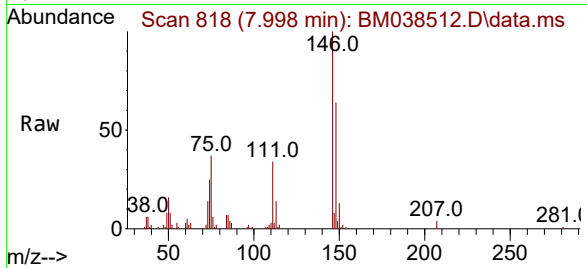




#13
1,4-Dichlorobenzene
Concen: 5.651 ng
RT: 7.998 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

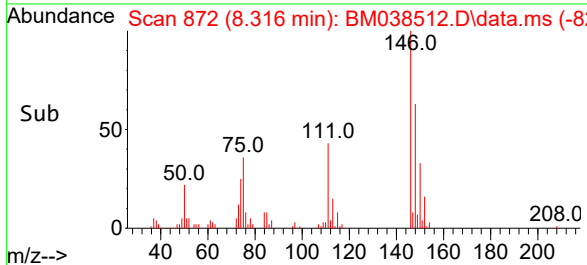
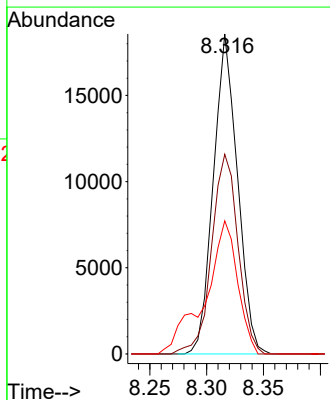
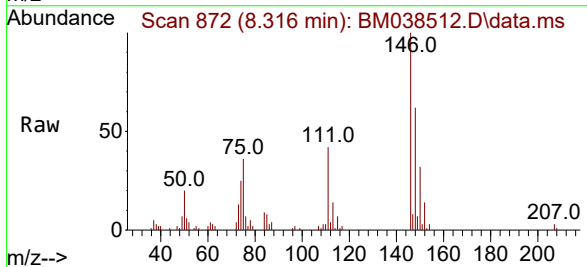
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

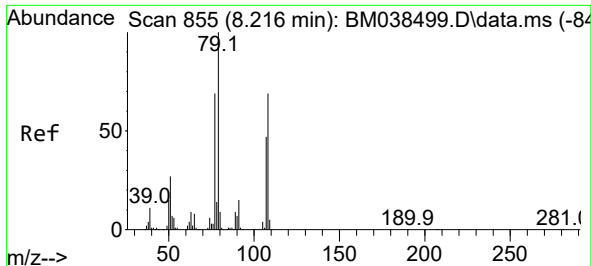
Tgt Ion:146 Resp: 28246
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
111 34.1 31.4 47.0



#14
1,2-Dichlorobenzene
Concen: 5.656 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:146 Resp: 27384
Ion Ratio Lower Upper
146 100
148 62.4 52.7 79.1
111 41.6 33.2 49.8

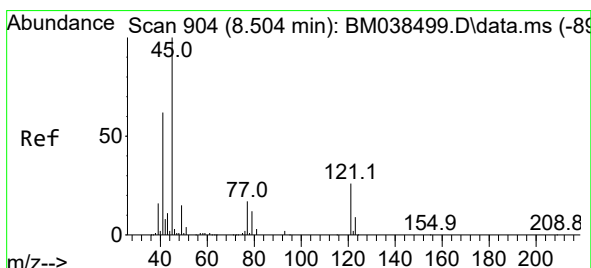
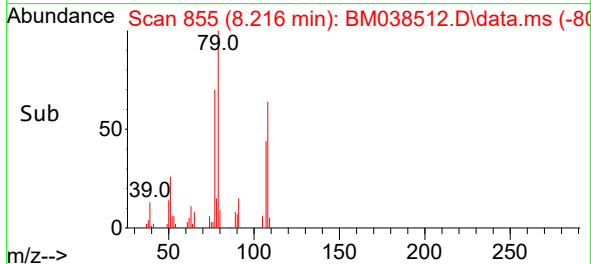
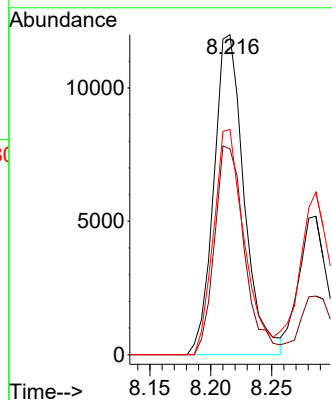
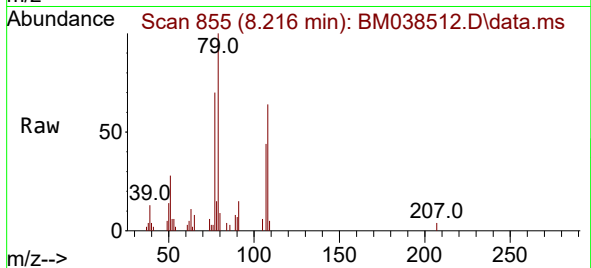




#15
Benzyl Alcohol
Concen: 5.114 ng
RT: 8.216 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

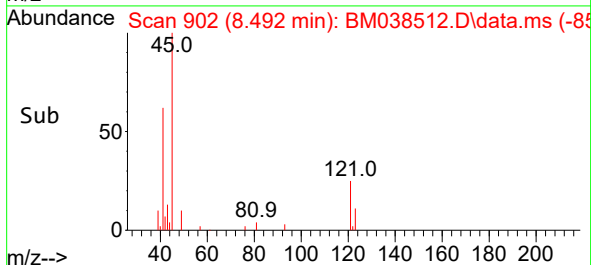
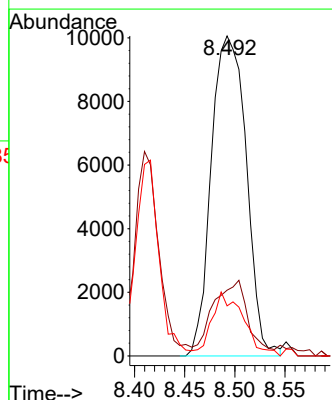
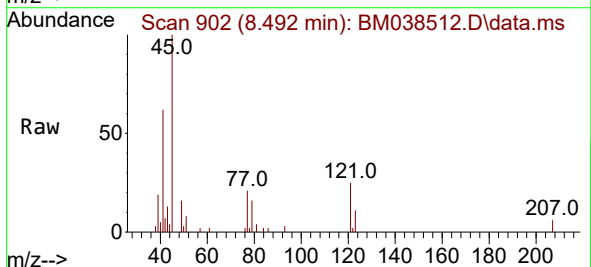
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

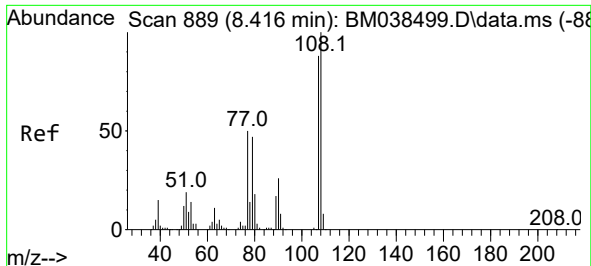
Tgt Ion: 79 Resp: 20778
Ion Ratio Lower Upper
79 100
108 64.3 55.0 82.6
77 70.4 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.433 ng
RT: 8.492 min Scan# 902
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion: 45 Resp: 24445
Ion Ratio Lower Upper
45 100
77 20.5 0.0 39.2
79 15.6 0.0 34.9

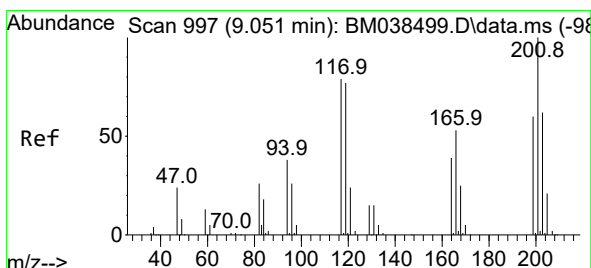
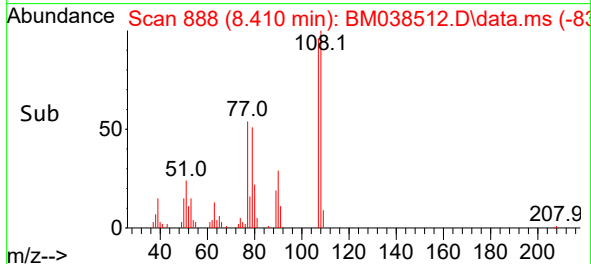
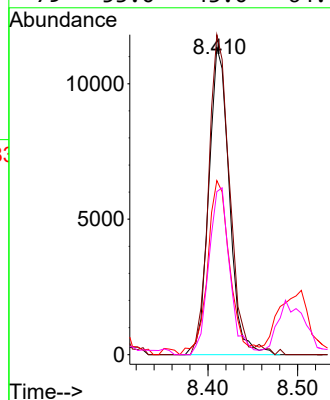
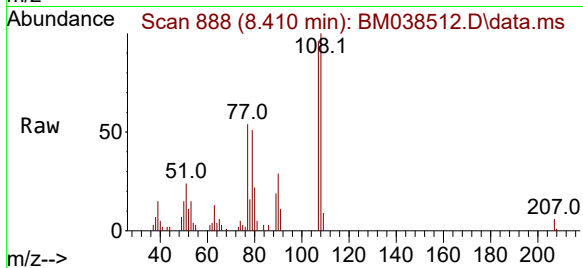




#17
2-Methylphenol
Concen: 4.688 ng
RT: 8.410 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

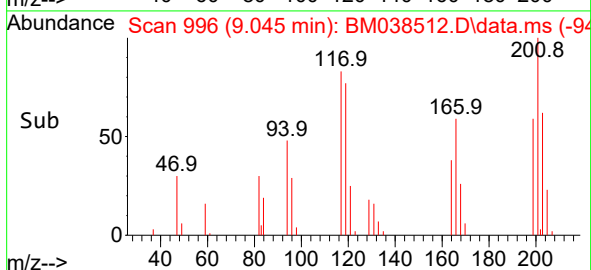
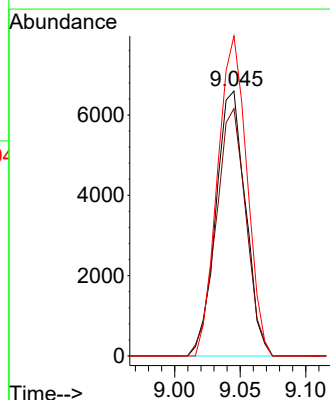
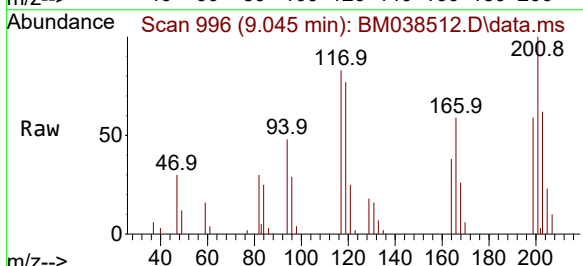
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

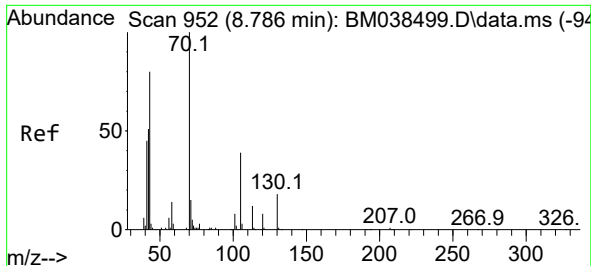
Tgt Ion:	107	Resp:	18018
Ion	Ratio	Lower	Upper
107	100		
108	104.1	90.8	136.2
77	56.6	46.1	69.1
79	53.0	43.0	64.4



#18
Hexachloroethane
Concen: 5.568 ng
RT: 9.045 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:	117	Resp:	10347
Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.9	116.9
201	120.8	100.6	151.0

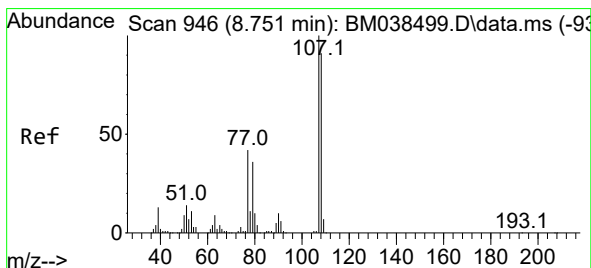
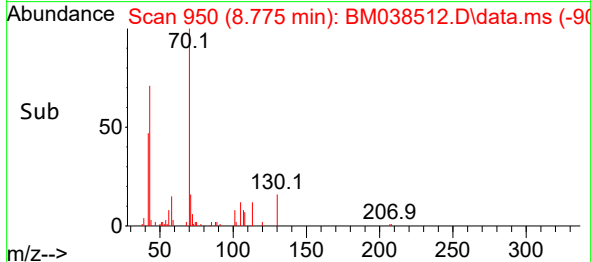
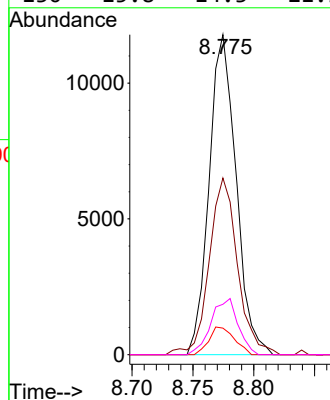
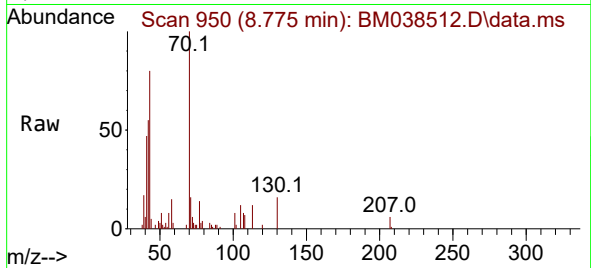




#19
n-Nitroso-di-n-propylamine
Concen: 4.737 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

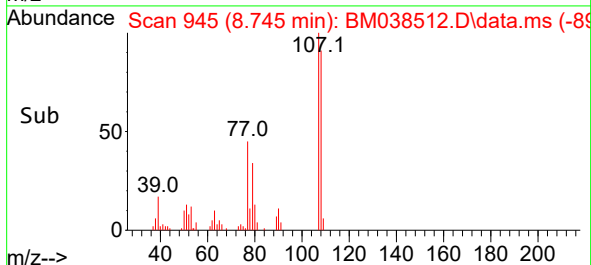
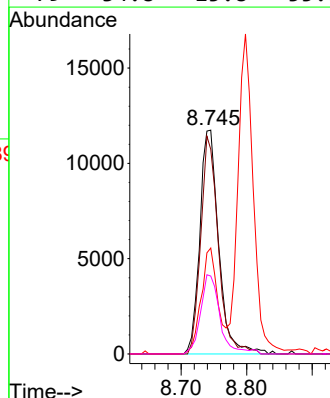
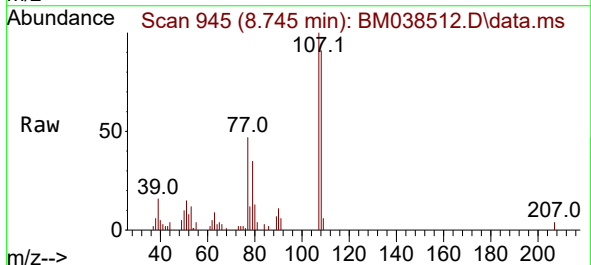
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

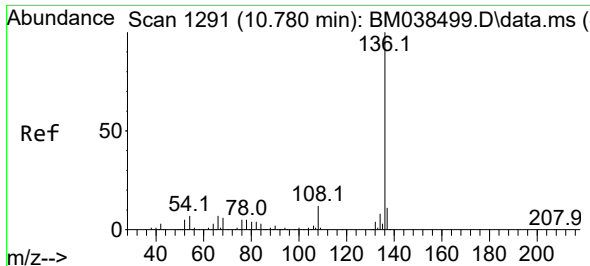
Tgt Ion:	70	Resp:	18144
Ion	Ratio	Lower	Upper
70	100		
42	55.2	41.4	62.2
101	8.3	6.5	9.7
130	15.8	14.3	21.5



#20
3+4-Methylphenols
Concen: 4.588 ng
RT: 8.745 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:	107	Resp:	23632
Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.7	110.7
77	47.3	22.0	62.0
79	34.8	15.8	55.8

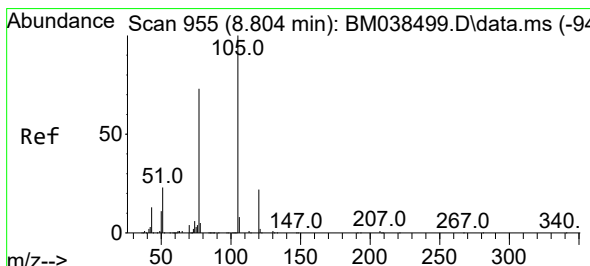
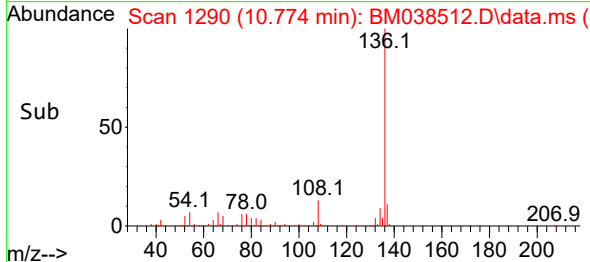
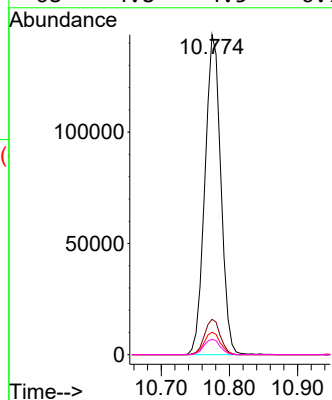
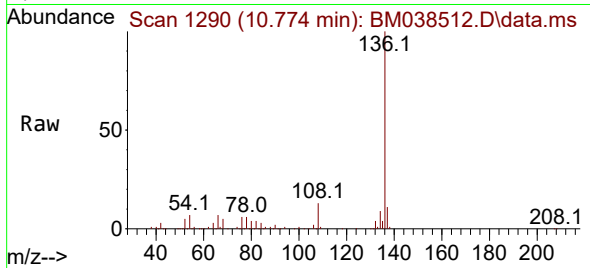




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.774 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

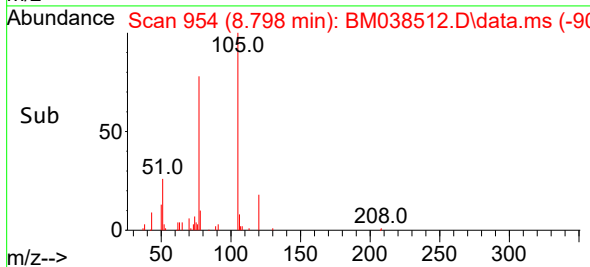
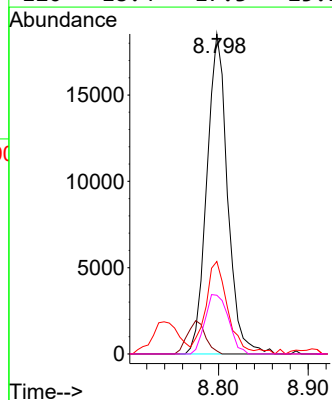
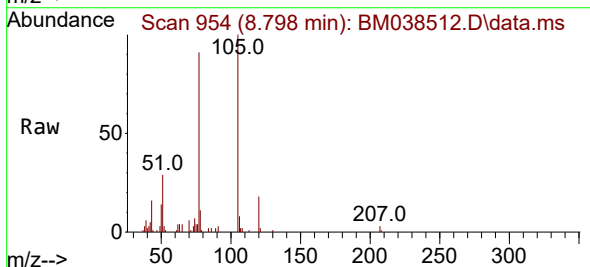
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

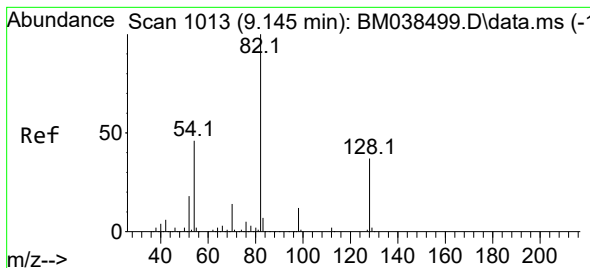
Tgt Ion:136 Resp: 233799
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.0 6.0 9.0
68 4.8 4.5 6.7



#22
Acetophenone
Concen: 4.618 ng
RT: 8.798 min Scan# 954
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:105 Resp: 29745
Ion Ratio Lower Upper
105 100
71 1.0 0.9 1.3
51 28.9 21.8 32.8
120 18.4 17.3 25.9





#23

Nitrobenzene-d5

Concen: 71.090 ng

RT: 9.139 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

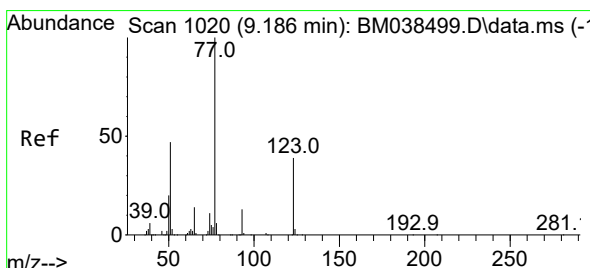
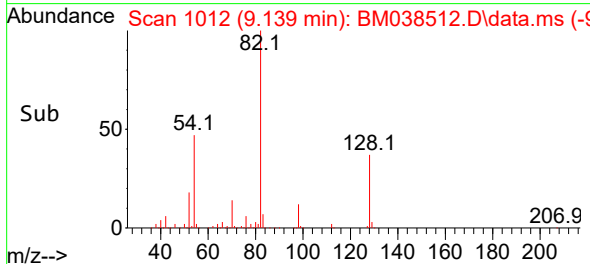
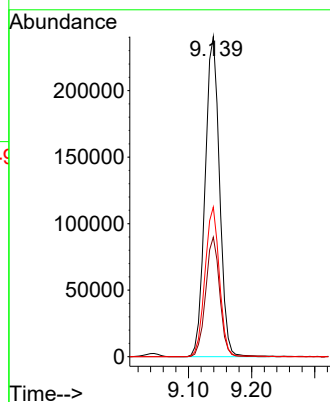
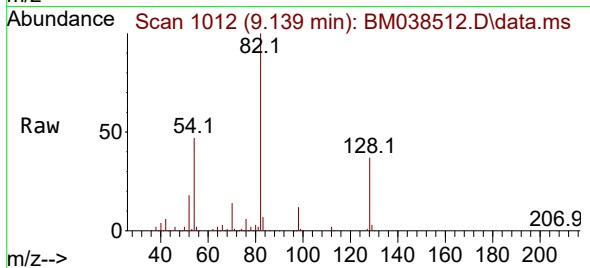
Tgt Ion: 82 Resp: 382746

Ion Ratio Lower Upper

82 100

128 37.3 29.3 43.9

54 46.8 36.9 55.3



#24

Nitrobenzene

Concen: 5.797 ng

RT: 9.180 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

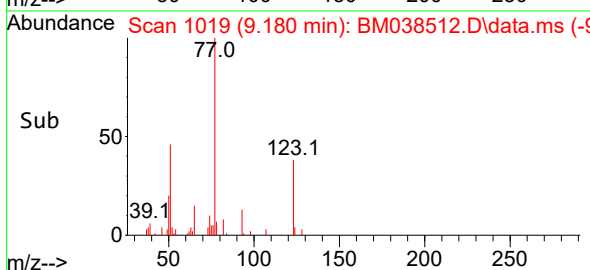
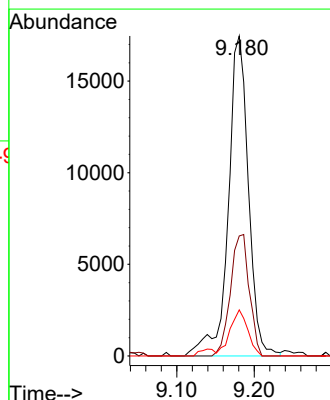
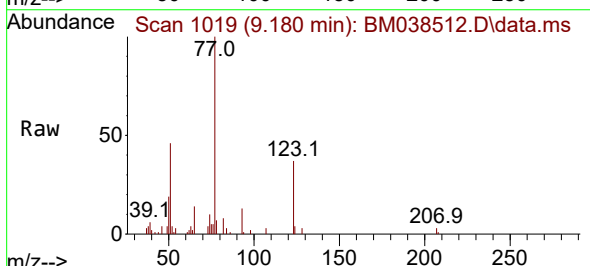
Tgt Ion: 77 Resp: 31580

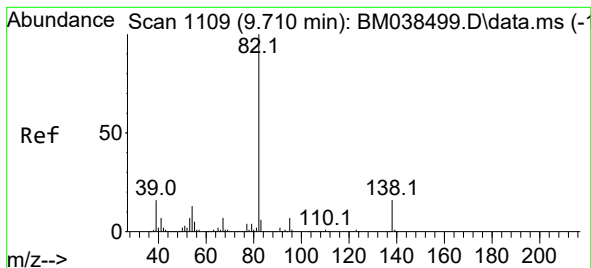
Ion Ratio Lower Upper

77 100

123 37.5 31.5 47.3

65 14.4 11.2 16.8





#25

Isophorone

Concen: 5.075 ng

RT: 9.704 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

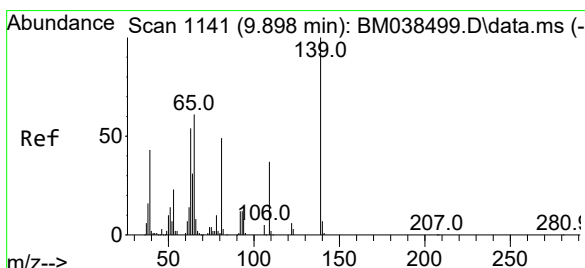
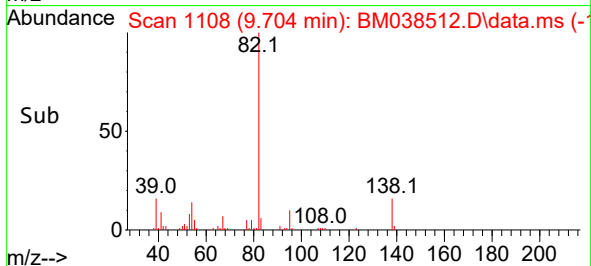
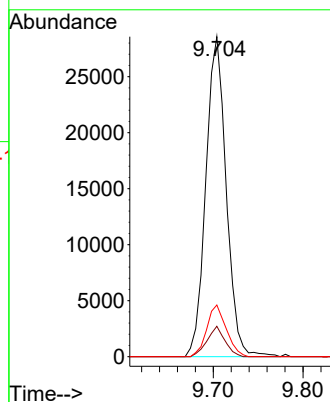
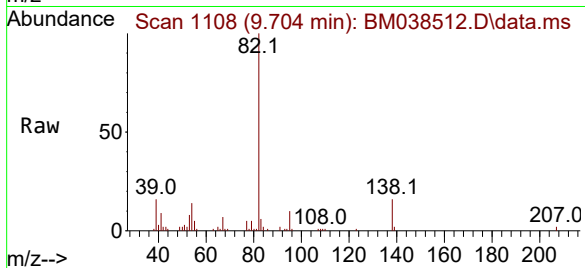
Tgt Ion: 82 Resp: 45093

Ion Ratio Lower Upper

82 100

95 9.5 5.6 8.4#

138 16.1 13.2 19.8



#26

2-Nitrophenol

Concen: 4.771 ng

RT: 9.892 min Scan# 1140

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

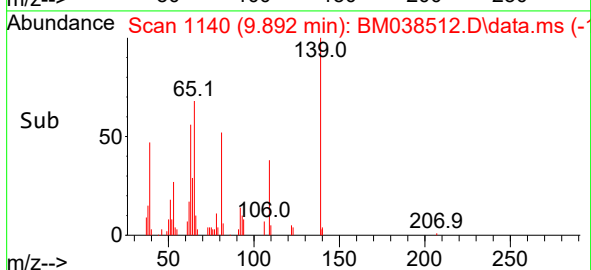
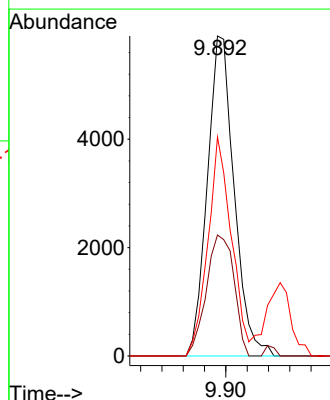
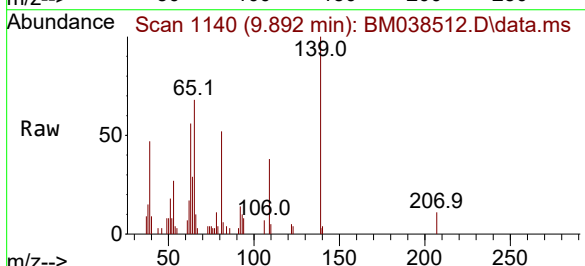
Tgt Ion: 139 Resp: 10316

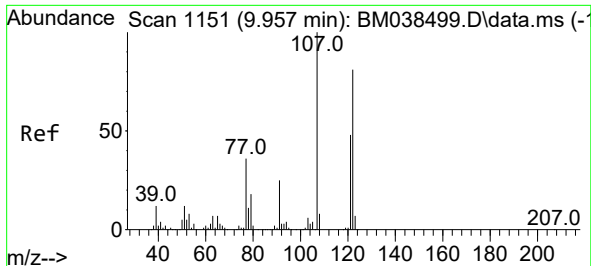
Ion Ratio Lower Upper

139 100

109 37.8 29.3 43.9

65 68.5 48.6 72.8

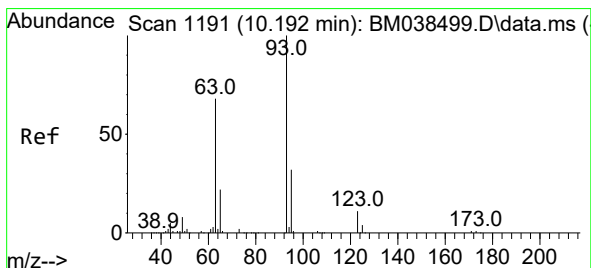
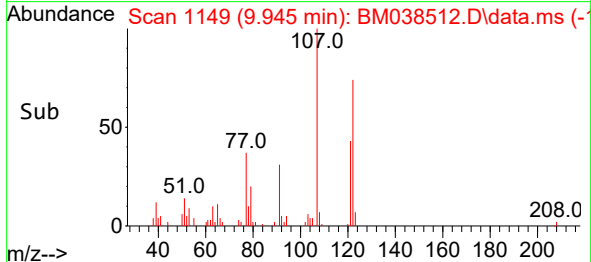
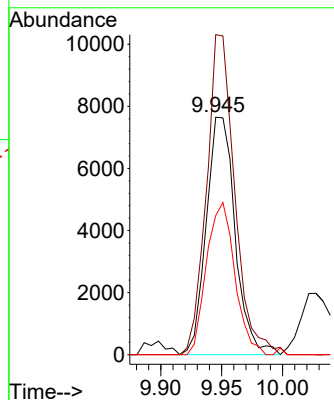
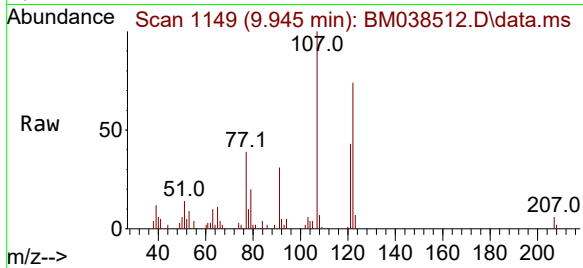




#27
2,4-Dimethylphenol
Concen: 3.510 ng
RT: 9.945 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

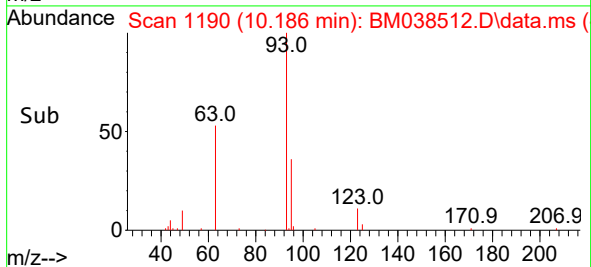
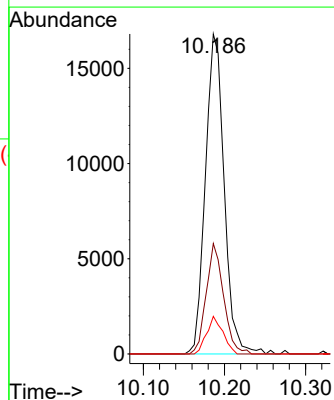
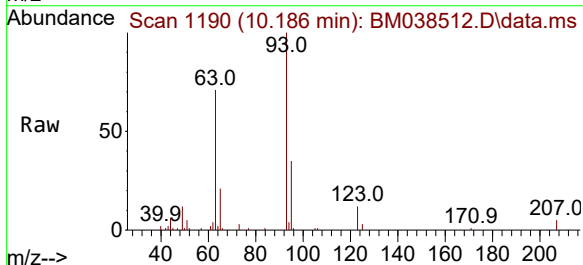
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2022

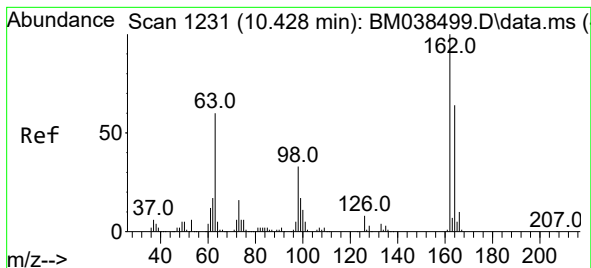
Tgt Ion:122 Resp: 12633
Ion Ratio Lower Upper
122 100
107 134.7 98.2 147.2
121 58.6 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 5.203 ng
RT: 10.186 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion: 93 Resp: 27041
Ion Ratio Lower Upper
93 100
95 34.5 25.3 37.9
123 11.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 4.780 ng

RT: 10.427 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM038512.D

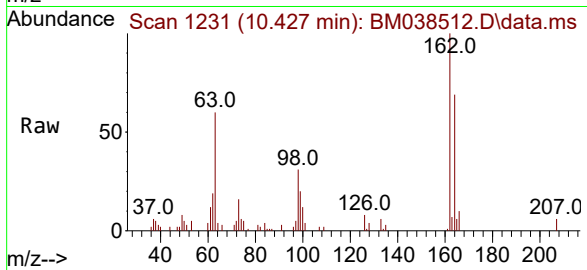
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



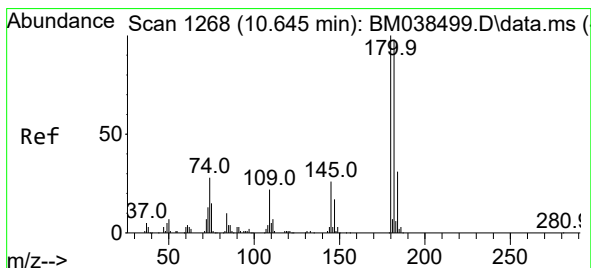
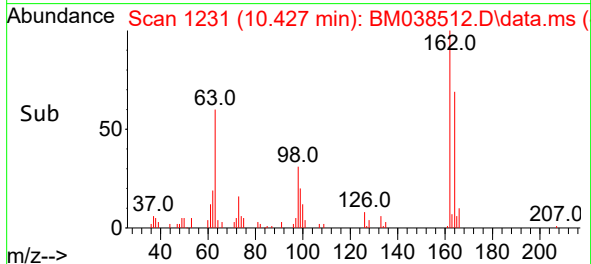
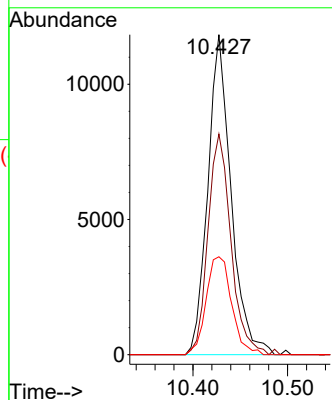
Tgt Ion:162 Resp: 20181

Ion Ratio Lower Upper

162 100

164 69.0 43.7 83.7

98 30.6 12.9 52.9



#30

1,2,4-Trichlorobenzene

Concen: 5.510 ng

RT: 10.633 min Scan# 1266

Delta R.T. -0.012 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

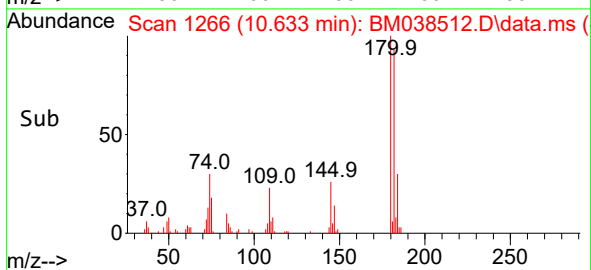
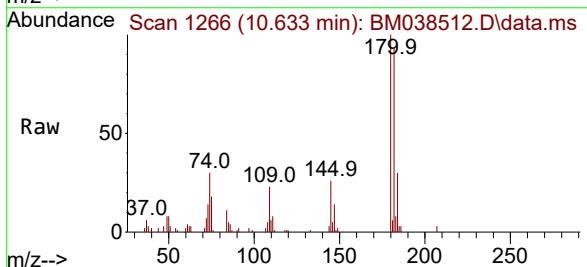
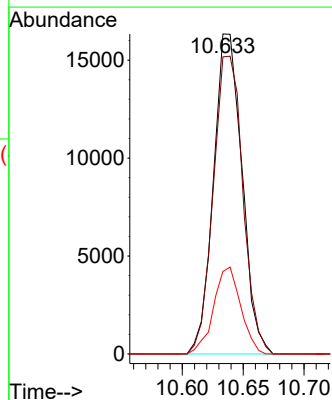
Tgt Ion:180 Resp: 26602

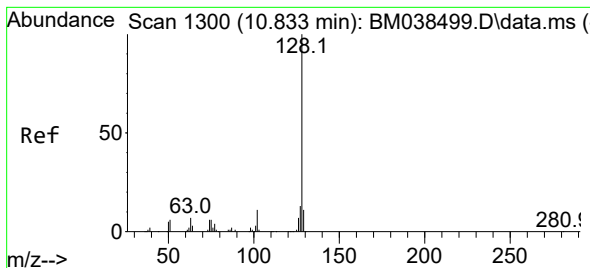
Ion Ratio Lower Upper

180 100

182 92.9 78.3 117.5

145 25.8 21.0 31.6





#31

Naphthalene

Concen: 5.130 ng

RT: 10.827 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

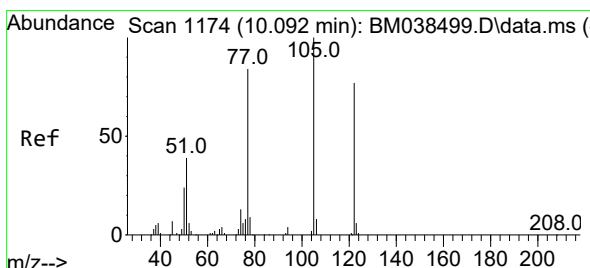
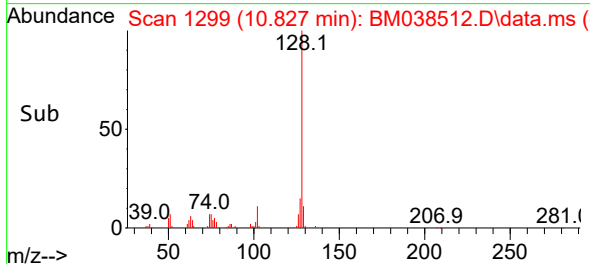
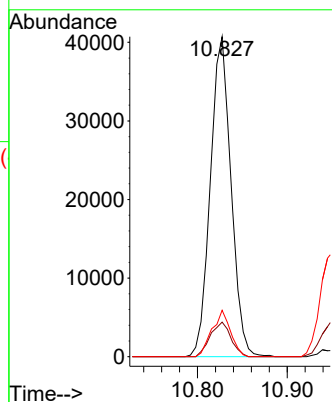
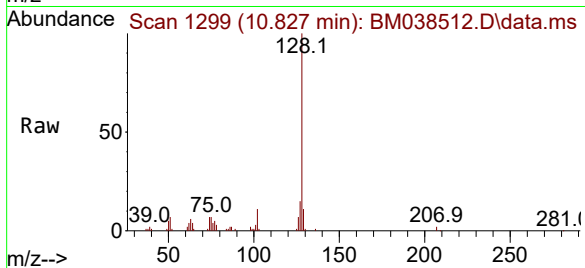
Tgt Ion:128 Resp: 65154

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 14.5 10.3 15.5



#32

Benzoic acid

Concen: 7.192 ng

RT: 10.027 min Scan# 1163

Delta R.T. -0.065 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

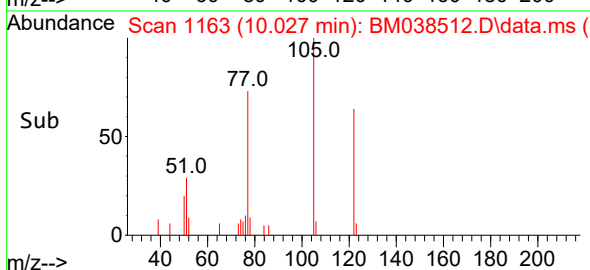
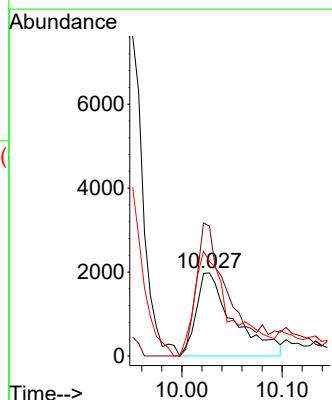
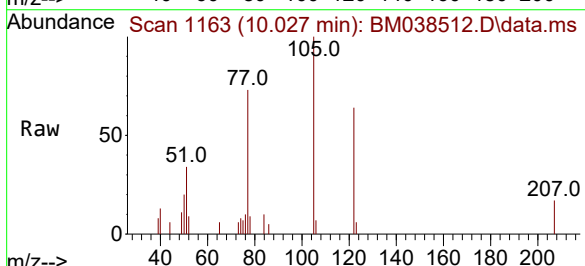
Tgt Ion:122 Resp: 5111

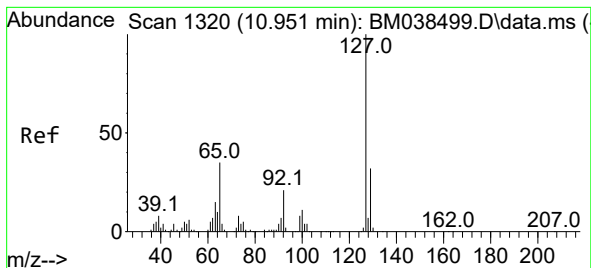
Ion Ratio Lower Upper

122 100

105 156.2 107.9 147.9#

77 113.6 88.6 128.6

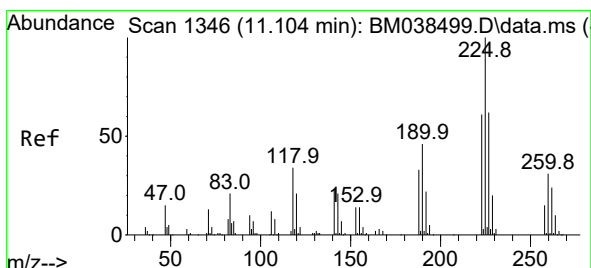
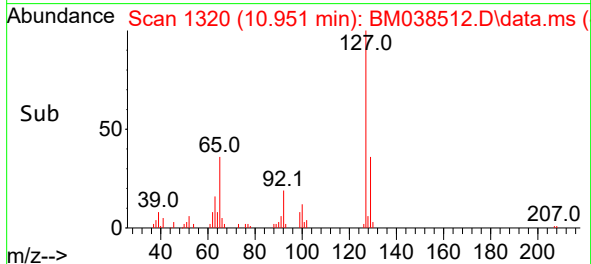
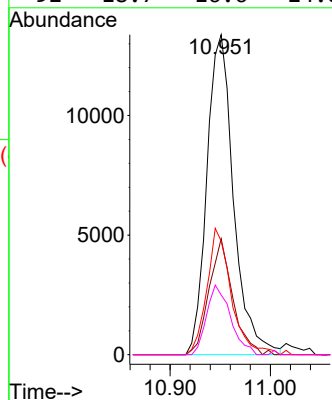
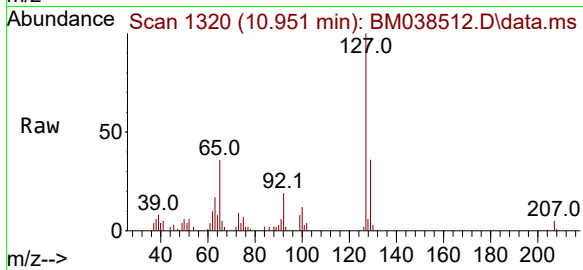




#33
4-Chloroaniline
Concen: 4.677 ng
RT: 10.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

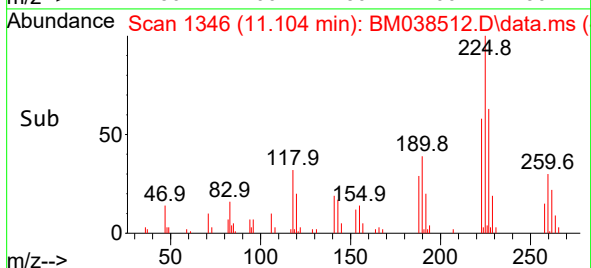
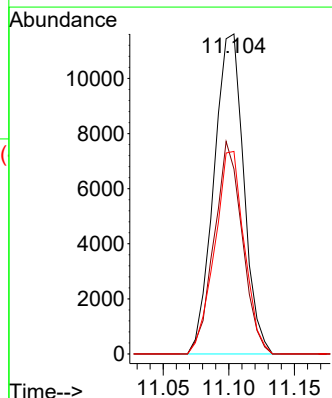
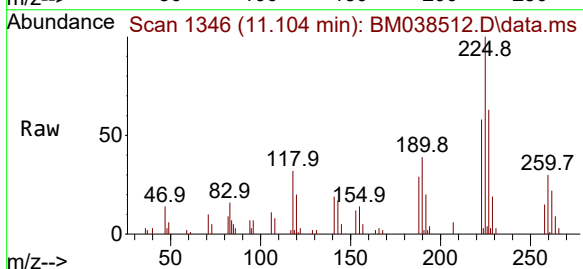
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

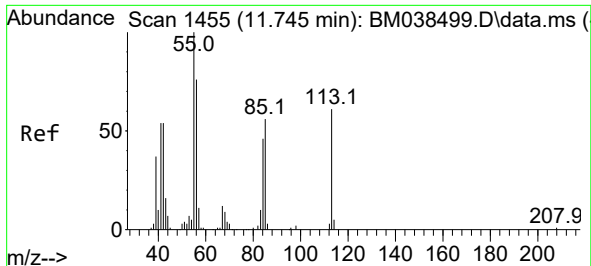
Tgt Ion:	127	Resp:	24793
Ion Ratio	Lower	Upper	
127	100		
129	36.2	25.8	38.6
65	35.5	28.2	42.2
92	18.7	16.6	24.8



#34
Hexachlorobutadiene
Concen: 5.788 ng
RT: 11.104 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:	225	Resp:	18383
Ion Ratio	Lower	Upper	
225	100		
223	57.8	48.8	73.2
227	63.3	49.4	74.0

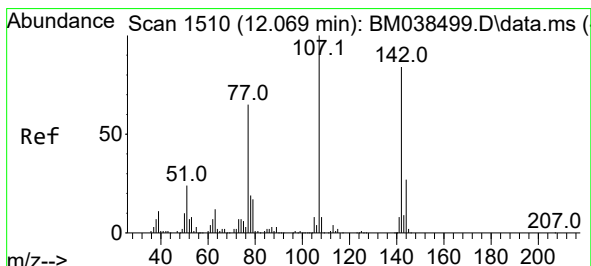
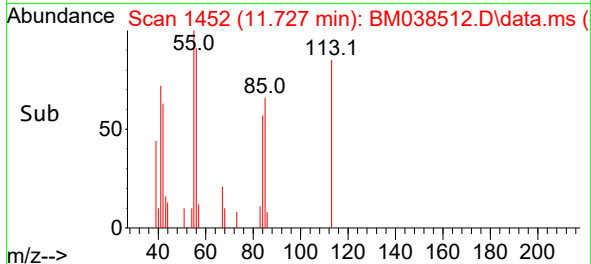
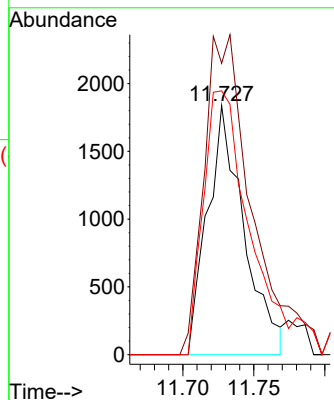
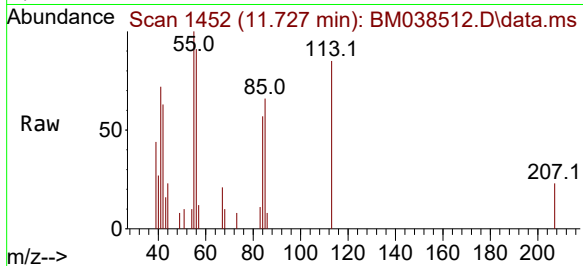




#35
Caprolactam
Concen: 3.209 ng
RT: 11.727 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

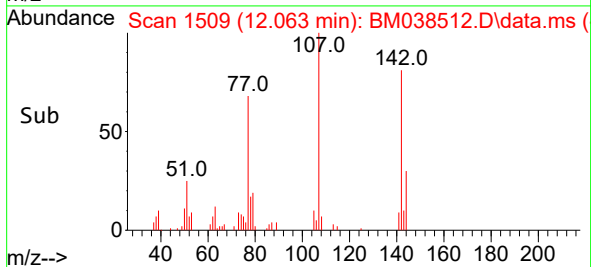
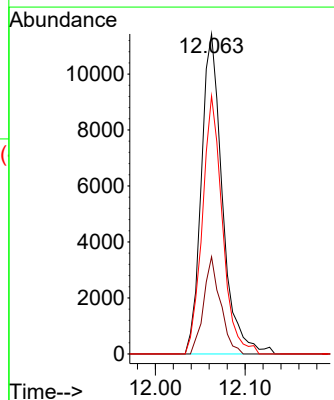
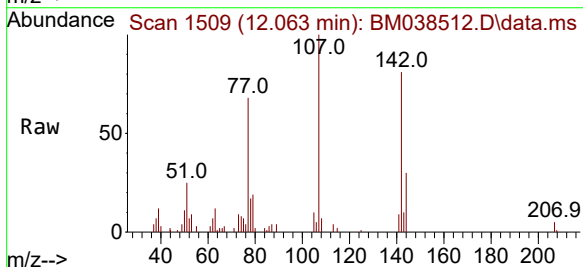
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

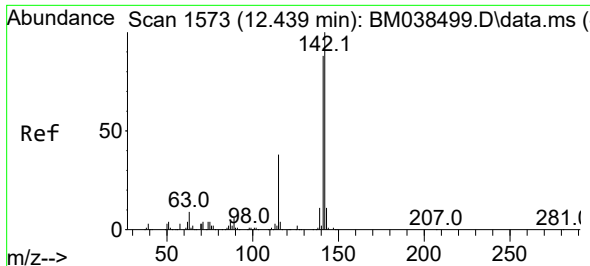
Tgt Ion:113 Resp: 3285
Ion Ratio Lower Upper
113 100
55 117.0 145.0 185.0#
56 105.9 105.7 145.7



#36
4-Chloro-3-methylphenol
Concen: 4.854 ng
RT: 12.063 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:107 Resp: 18636
Ion Ratio Lower Upper
107 100
144 30.3 22.0 33.0
142 80.6 67.5 101.3

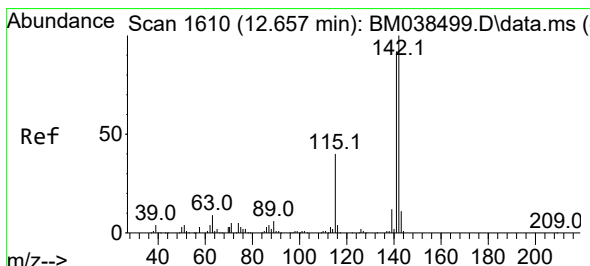
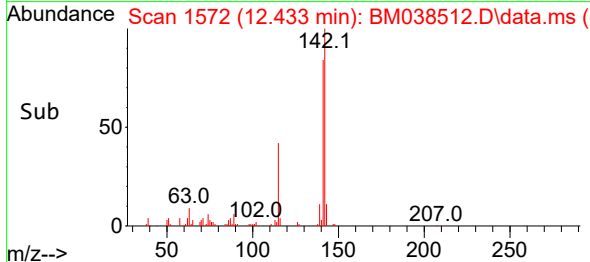
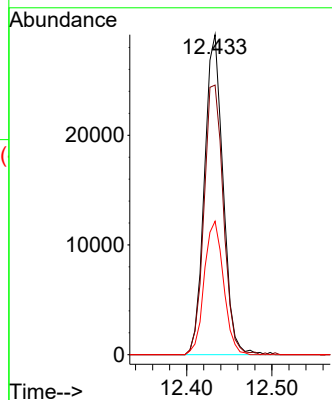
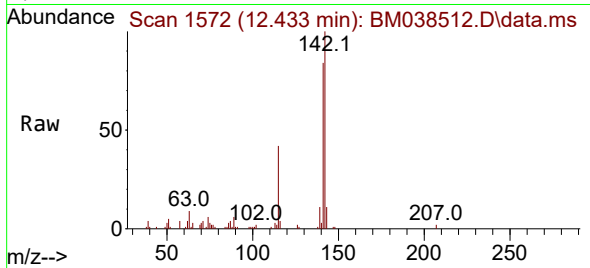




#37
2-Methylnaphthalene
Concen: 4.850 ng
RT: 12.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

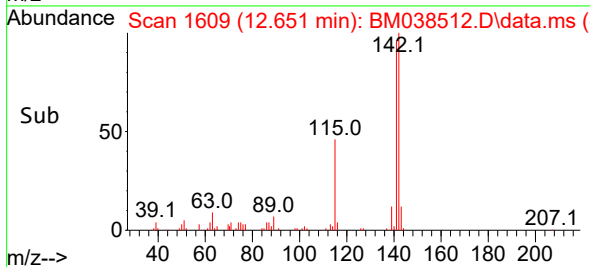
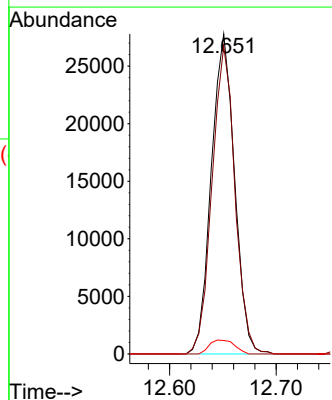
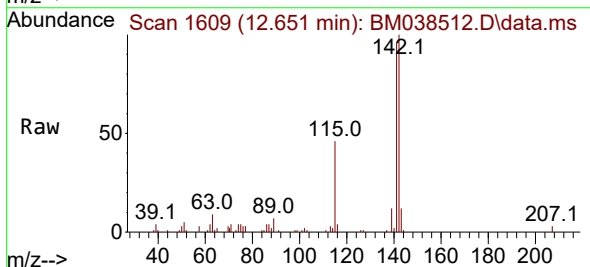
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

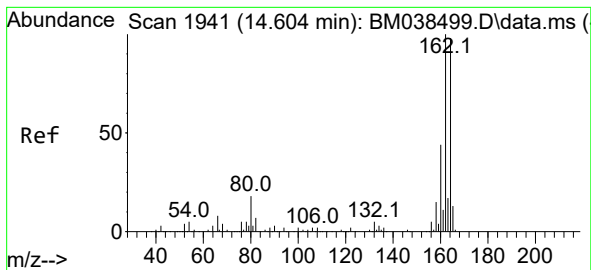
Tgt Ion:142 Resp: 44267
Ion Ratio Lower Upper
142 100
141 84.2 70.7 106.1
115 41.7 30.4 45.6



#38
1-Methylnaphthalene
Concen: 4.883 ng
RT: 12.651 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:142 Resp: 42037
Ion Ratio Lower Upper
142 100
141 96.2 73.4 110.0
116 4.2 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1941

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

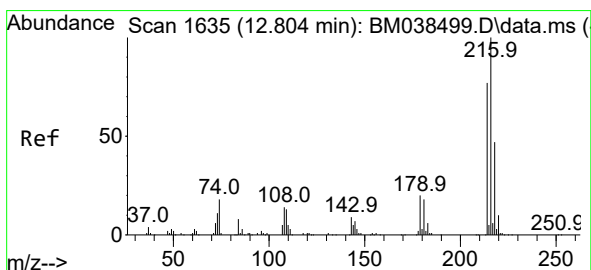
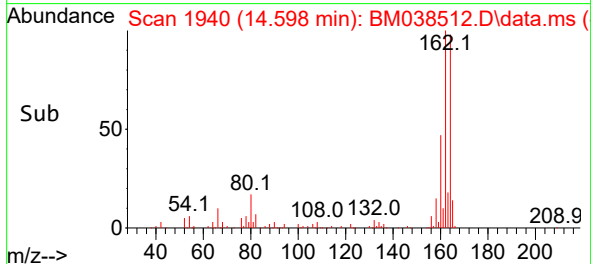
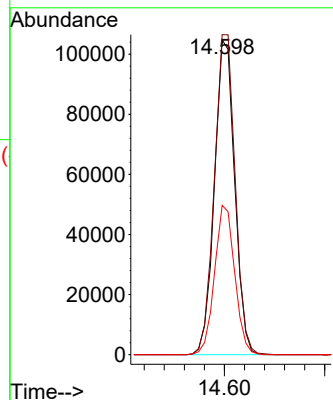
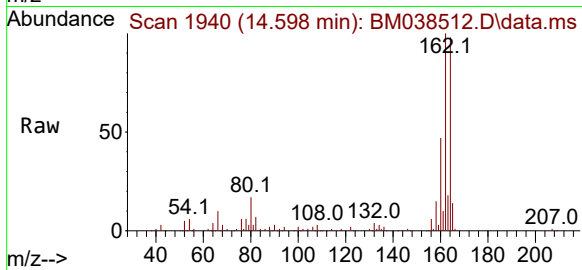
Tgt Ion:164 Resp: 146347

Ion Ratio Lower Upper

164 100

162 101.6 82.0 123.0

160 47.4 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.690 ng

RT: 12.798 min Scan# 1634

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Tgt Ion:216 Resp: 25820

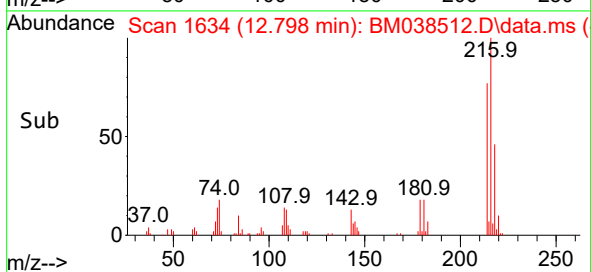
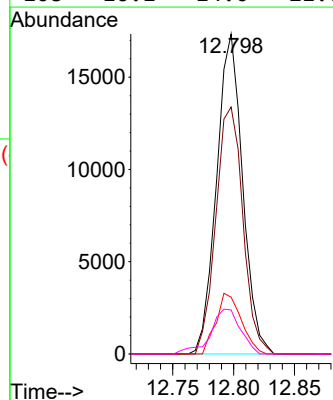
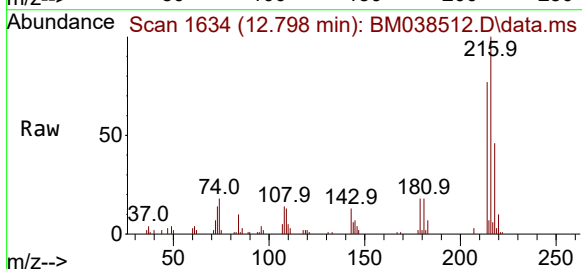
Ion Ratio Lower Upper

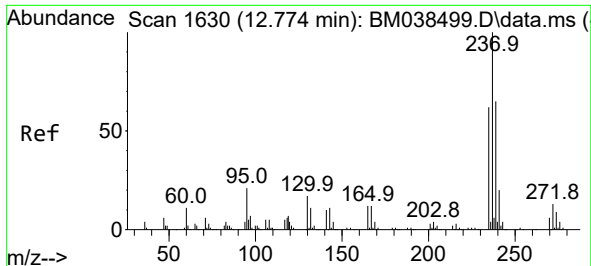
216 100

214 80.0 61.4 92.0

179 18.4 15.7 23.5

108 16.1 14.0 21.0

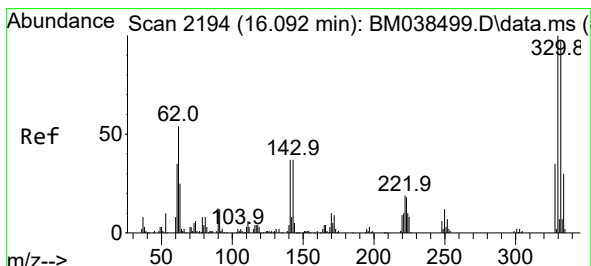
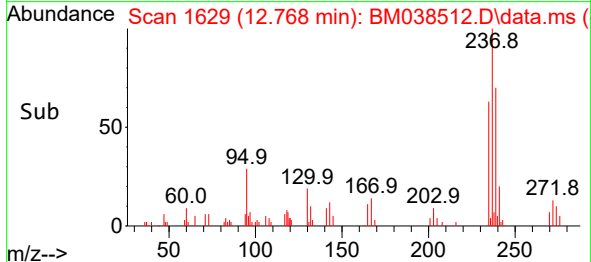
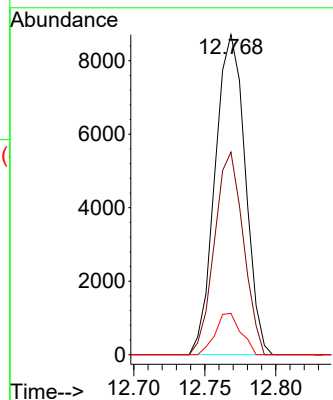
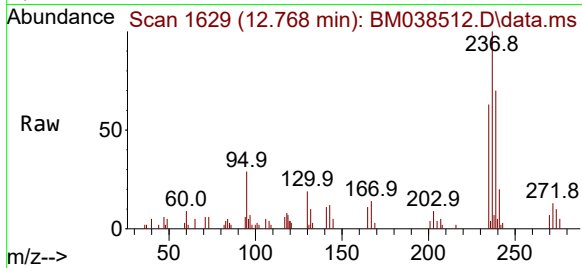




#41
Hexachlorocyclopentadiene
Concen: 4.251 ng
RT: 12.768 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

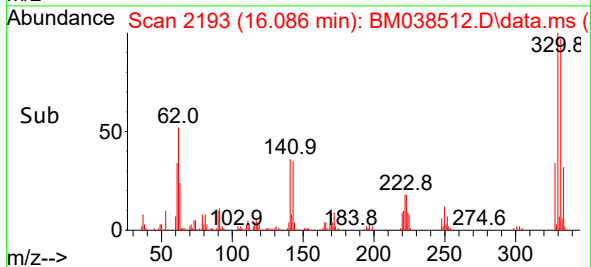
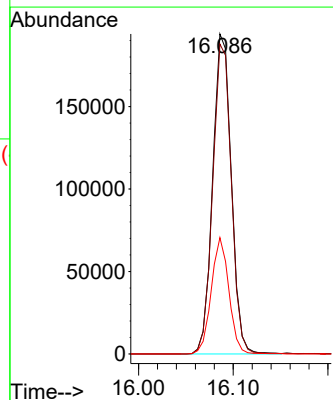
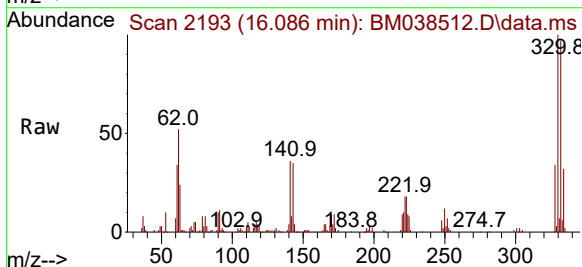
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

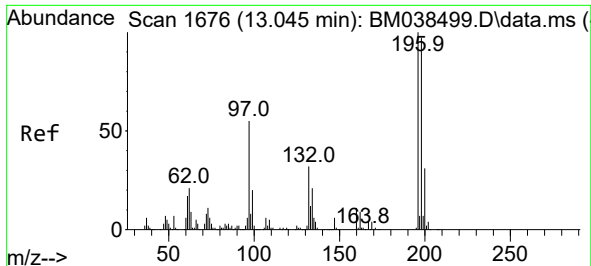
Tgt Ion:237 Resp: 12863
Ion Ratio Lower Upper
237 100
235 63.3 42.3 82.3
272 12.9 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 125.391 ng
RT: 16.086 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:330 Resp: 264255
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 34.5 29.0 43.4

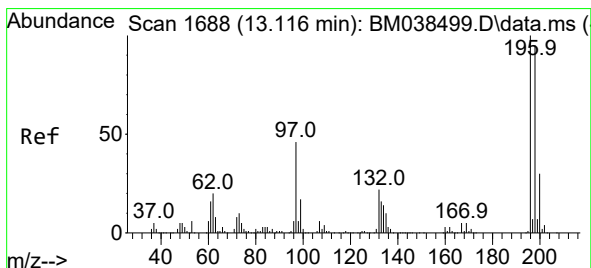
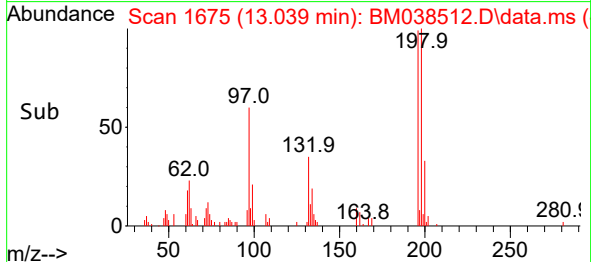
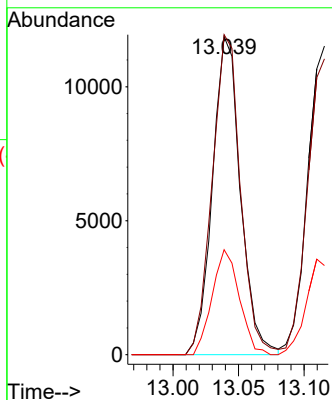
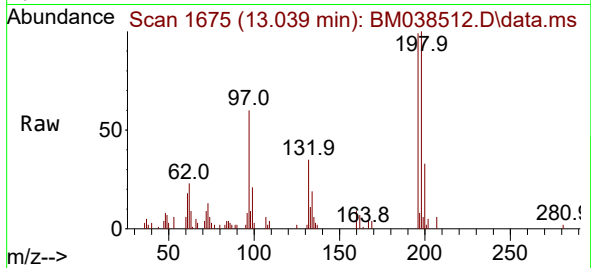




#43
2,4,6-Trichlorophenol
Concen: 4.997 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

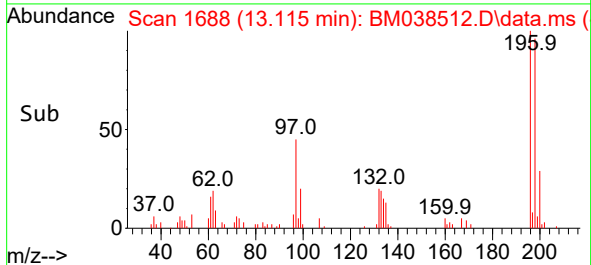
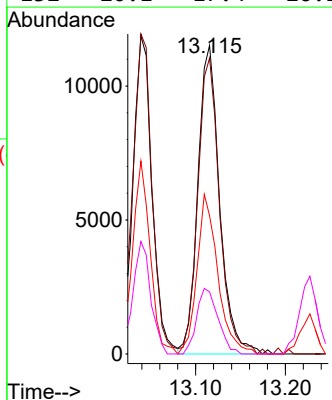
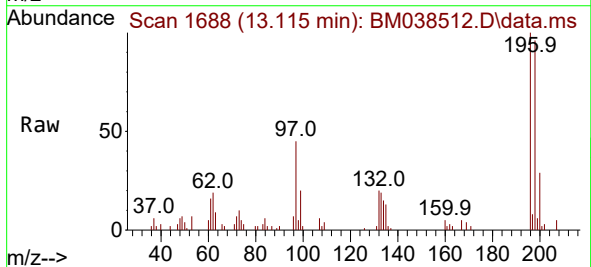
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

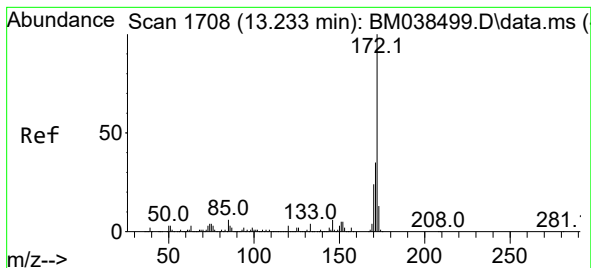
Tgt Ion:196 Resp: 17608
Ion Ratio Lower Upper
196 100
198 100.6 77.9 116.9
200 33.0 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 4.702 ng
RT: 13.115 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:196 Resp: 19408
Ion Ratio Lower Upper
196 100
198 95.9 76.0 114.0
97 44.8 36.9 55.3
132 20.1 17.4 26.2





#45

2-Fluorobiphenyl

Concen: 72.930 ng

RT: 13.227 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

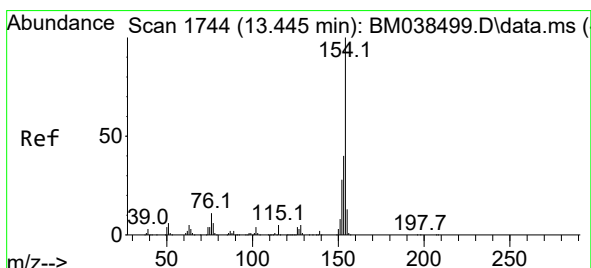
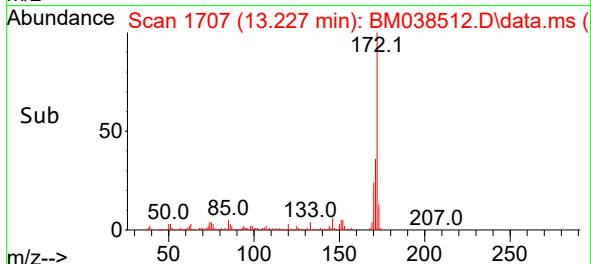
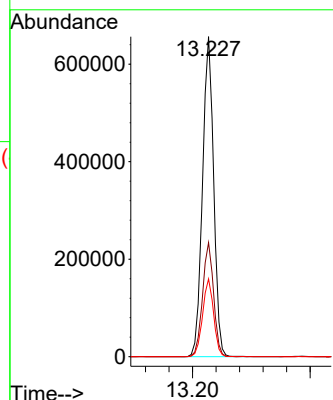
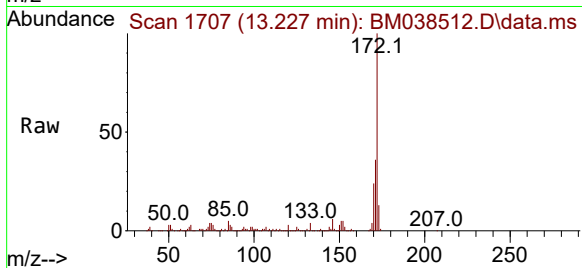
Tgt Ion:172 Resp: 866444

Ion Ratio Lower Upper

172 100

171 35.6 28.0 42.0

170 24.3 19.5 29.3



#46

1,1'-Biphenyl

Concen: 4.533 ng

RT: 13.439 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

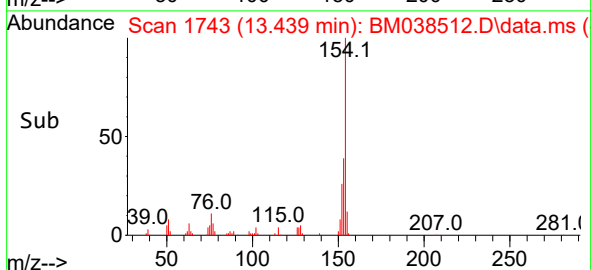
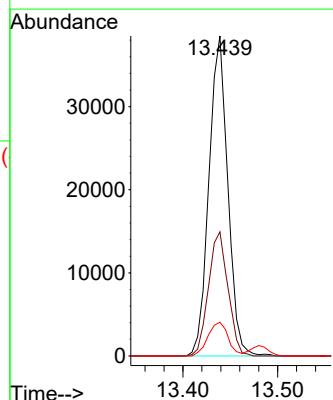
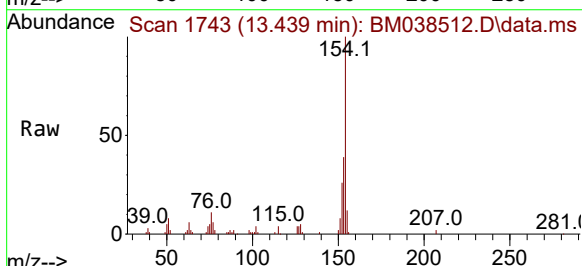
Tgt Ion:154 Resp: 53130

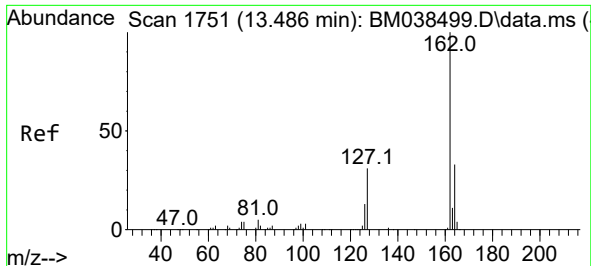
Ion Ratio Lower Upper

154 100

153 38.8 20.1 60.1

76 10.5 0.0 31.3

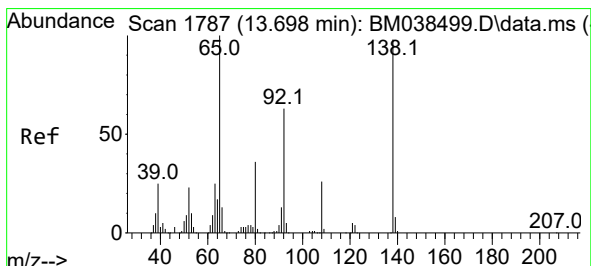
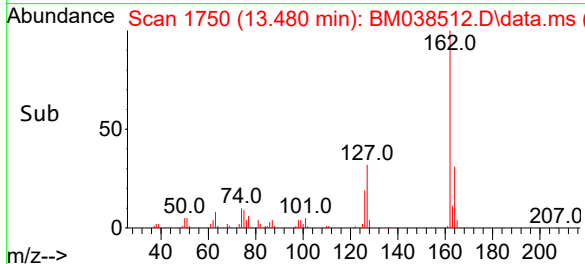
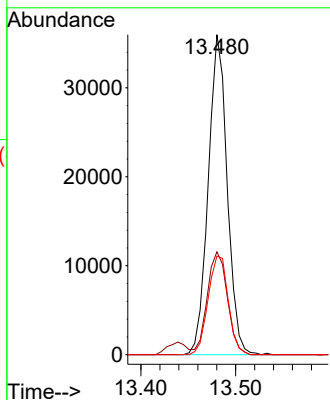
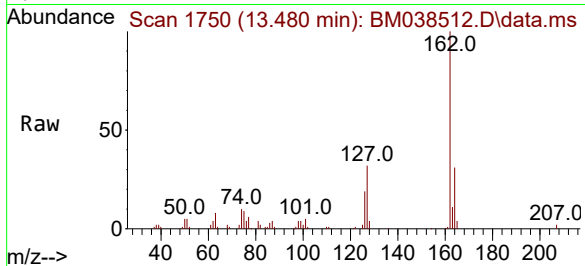




#47
2-Chloronaphthalene
Concen: 5.457 ng
RT: 13.480 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

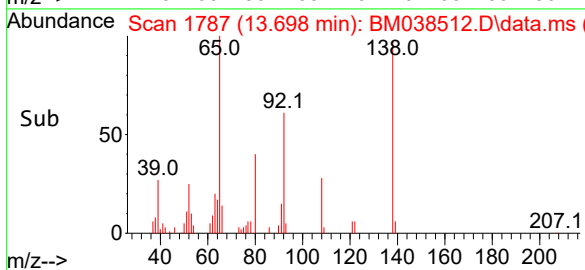
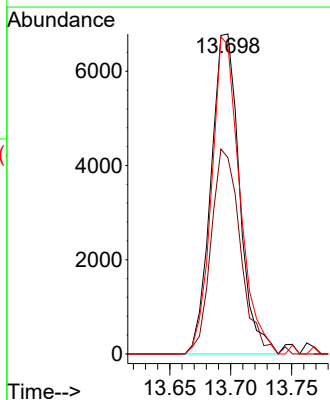
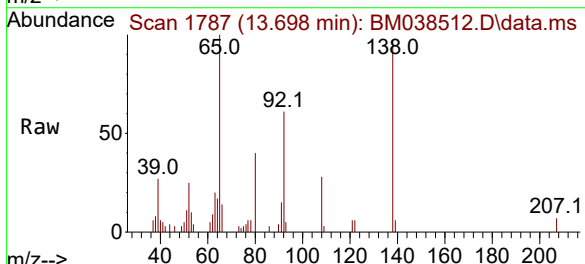
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

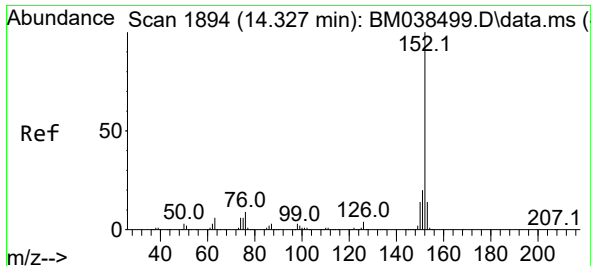
Tgt Ion:	162	Resp:	49929
Ion Ratio	Lower	Upper	
162	100		
127	32.2	27.4	41.2
164	30.8	26.7	40.1



#48
2-Nitroaniline
Concen: 4.125 ng
RT: 13.698 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:	65	Resp:	11083
Ion Ratio	Lower	Upper	
65	100		
92	61.4	50.0	75.0
138	96.6	78.2	117.2

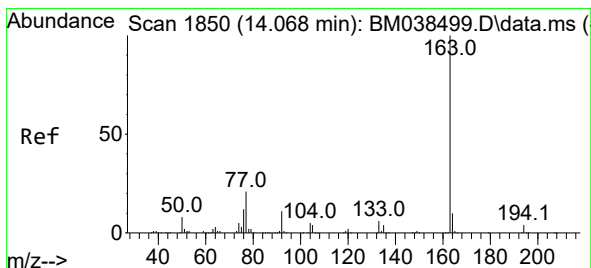
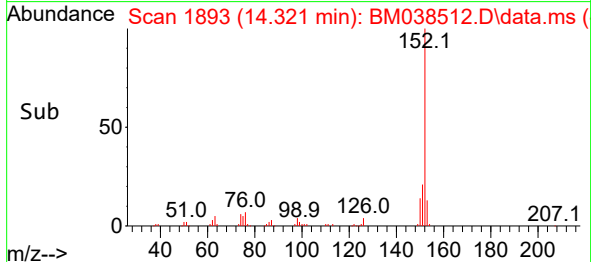
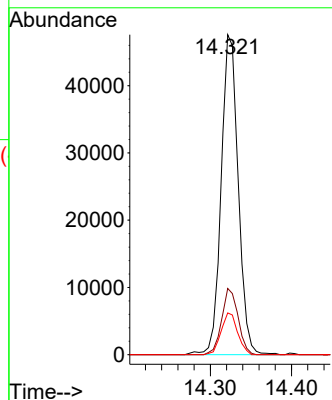
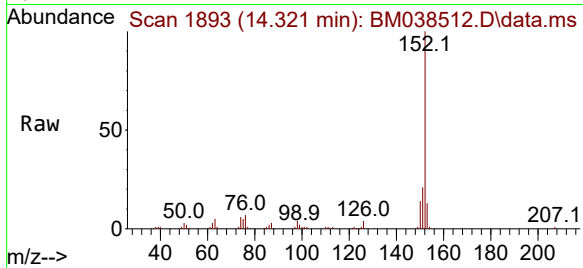




#49
Acenaphthylene
Concen: 4.859 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

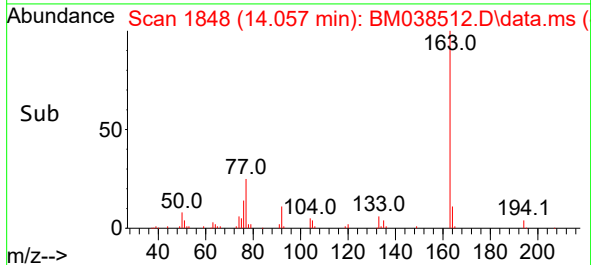
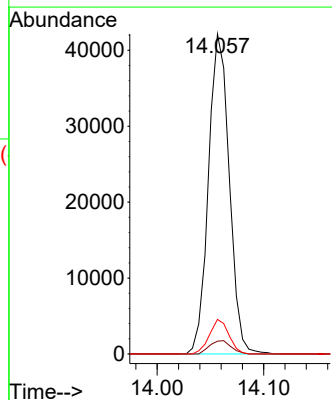
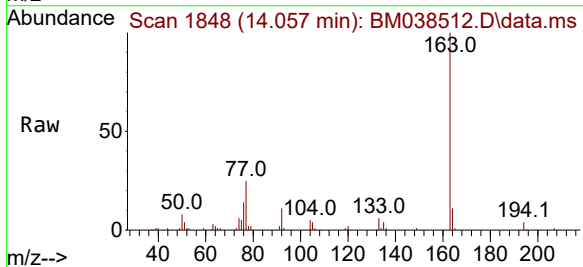
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

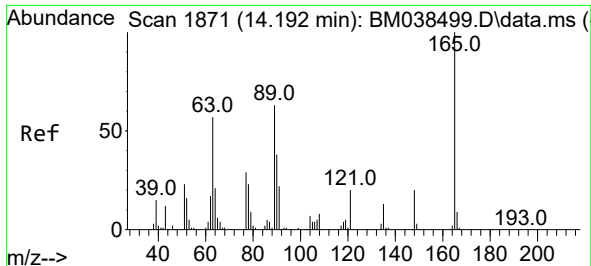
Tgt Ion:152 Resp: 69550
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 13.1 10.8 16.2



#50
Dimethylphthalate
Concen: 5.076 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:163 Resp: 57187
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.8 8.0 12.0

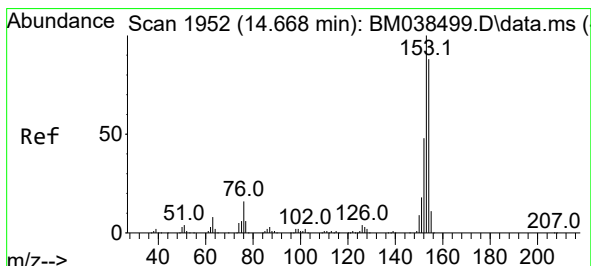
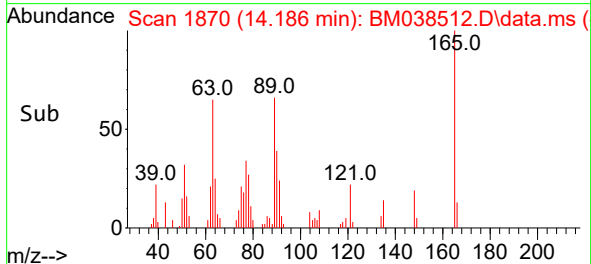
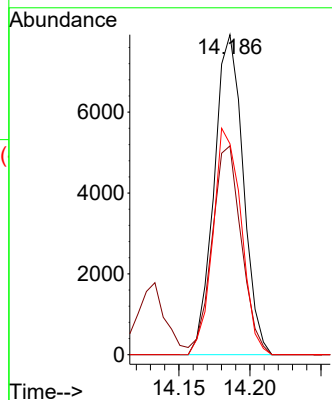
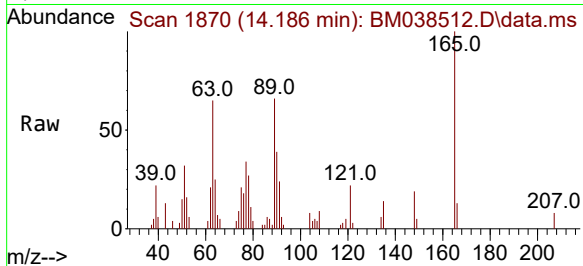




#51
2,6-Dinitrotoluene
Concen: 4.756 ng
RT: 14.186 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

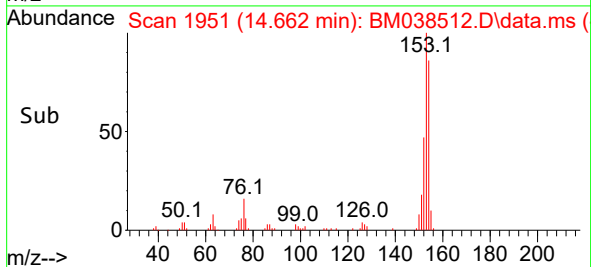
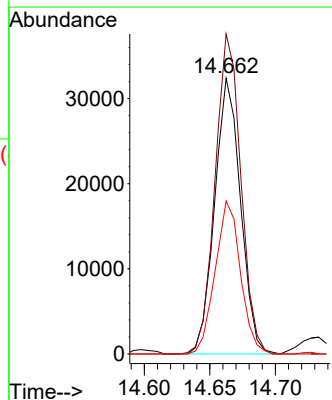
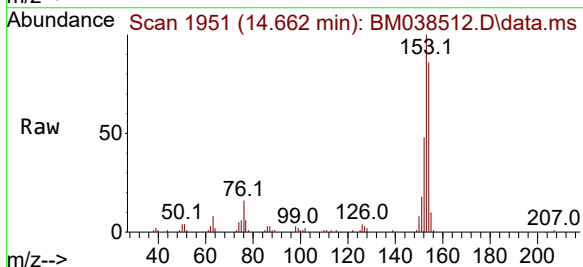
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

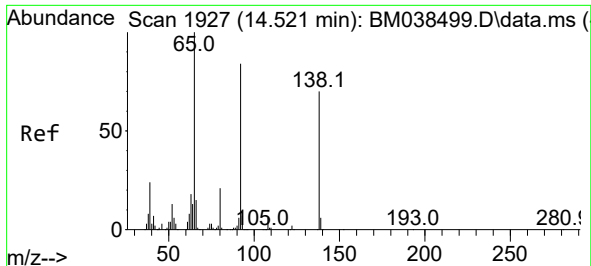
Tgt Ion:165 Resp: 11276
Ion Ratio Lower Upper
165 100
63 65.2 51.0 76.4
89 65.9 50.2 75.4



#52
Acenaphthene
Concen: 5.083 ng
RT: 14.662 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:154 Resp: 44378
Ion Ratio Lower Upper
154 100
153 116.1 90.7 136.1
152 55.5 43.8 65.8

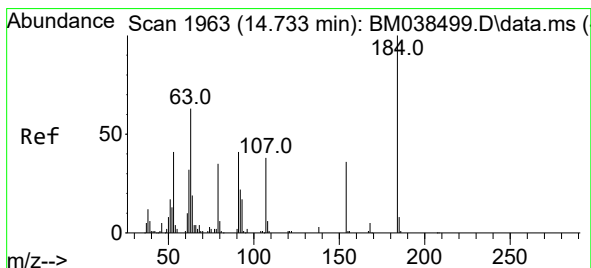
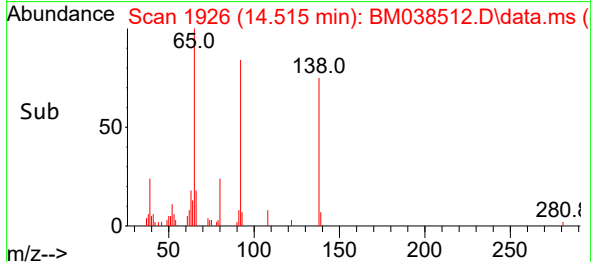
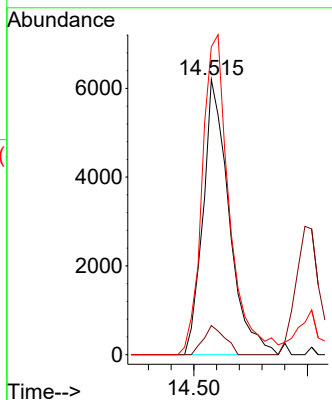
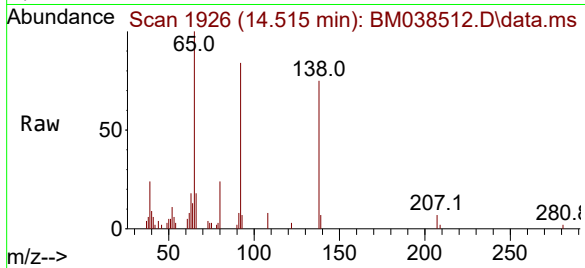




#53
3-Nitroaniline
Concen: 4.195 ng
RT: 14.515 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

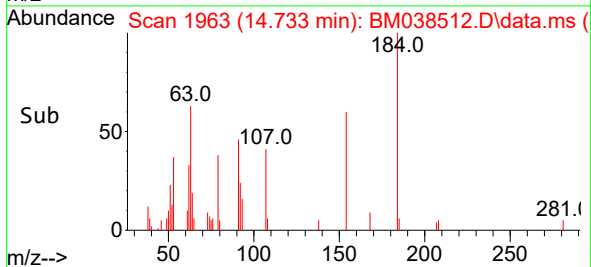
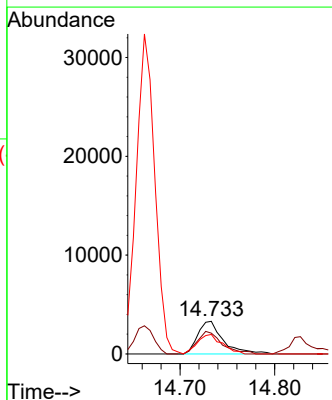
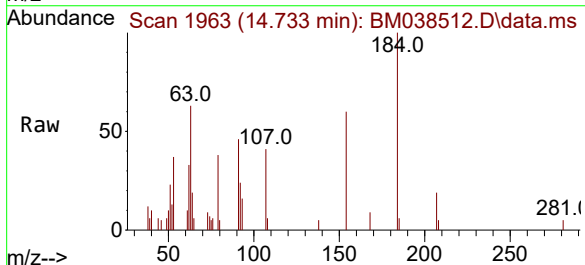
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

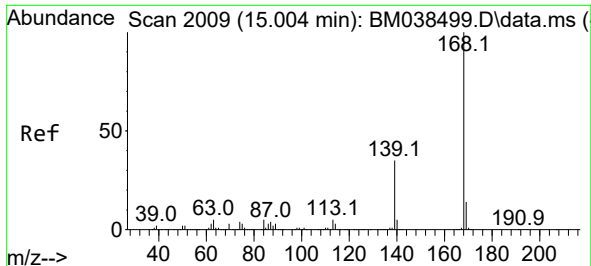
Tgt Ion:138 Resp: 9884
Ion Ratio Lower Upper
138 100
108 10.6 7.0 10.4#
92 111.8 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 7.965 ng
RT: 14.733 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:184 Resp: 6120
Ion Ratio Lower Upper
184 100
63 63.5 52.2 78.4
154 59.9 48.9 73.3

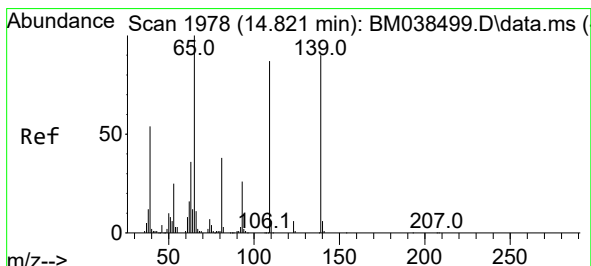
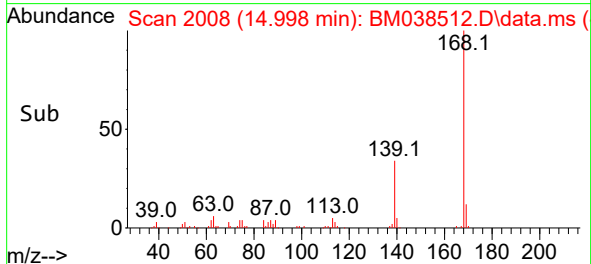
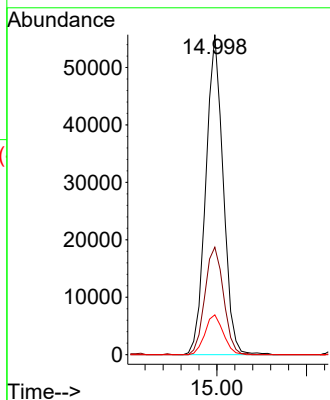
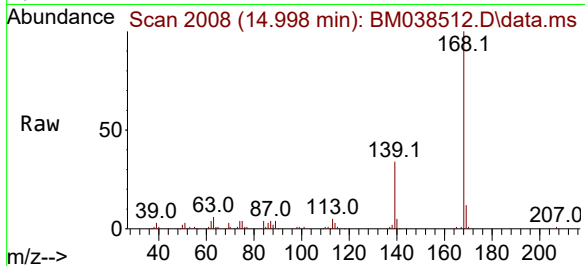




#55
Dibenzofuran
Concen: 5.124 ng
RT: 14.998 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

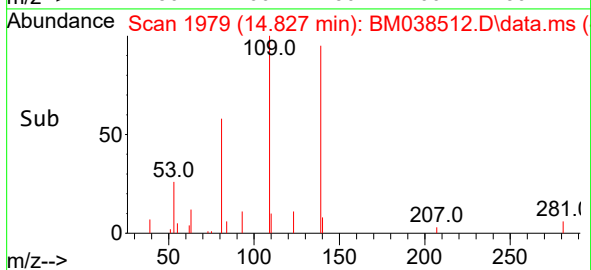
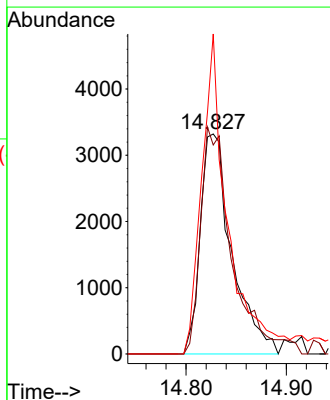
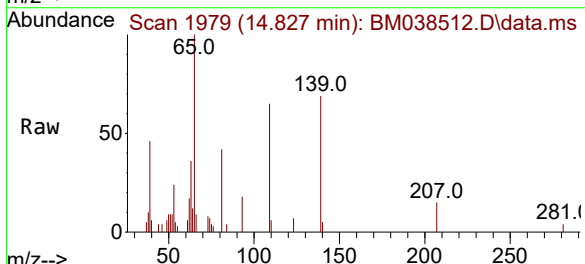
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

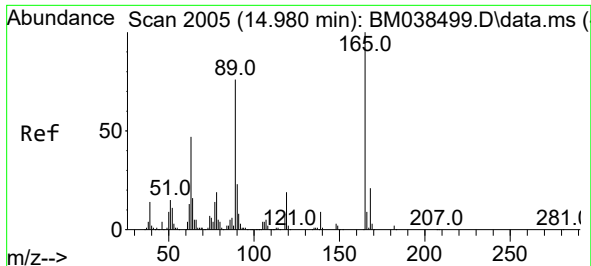
Tgt Ion:168 Resp: 74783
Ion Ratio Lower Upper
168 100
139 33.6 27.9 41.9
169 12.4 11.0 16.6



#56
4-Nitrophenol
Concen: 3.733 ng
RT: 14.827 min Scan# 1979
Delta R.T. 0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:139 Resp: 7242
Ion Ratio Lower Upper
139 100
109 95.0 76.8 116.8
65 145.5 91.7 131.7#





#57

2,4-Dinitrotoluene

Concen: 4.407 ng

RT: 14.974 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BM038512.D

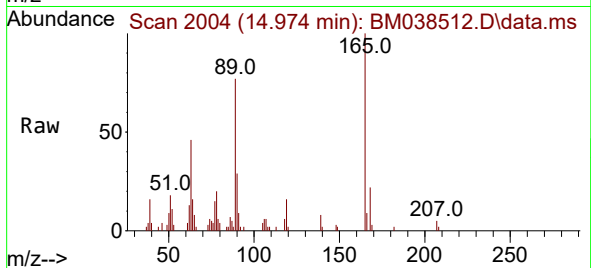
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 14163

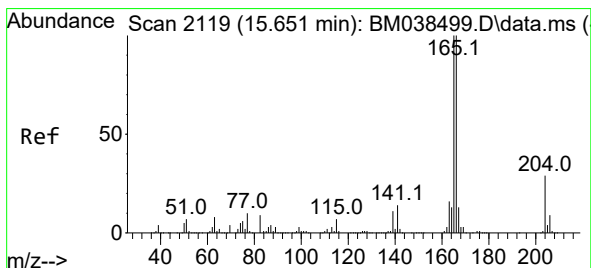
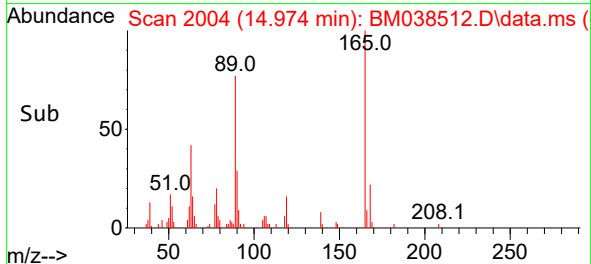
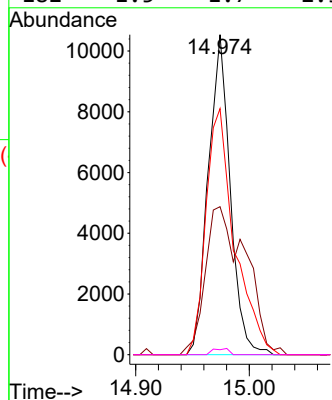
Ion Ratio Lower Upper

165 100

63 46.3 37.8 56.8

89 76.9 60.9 91.3

182 1.5 1.7 2.5#



#58

Fluorene

Concen: 4.952 ng

RT: 15.645 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

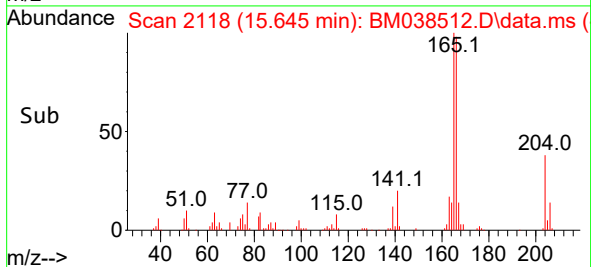
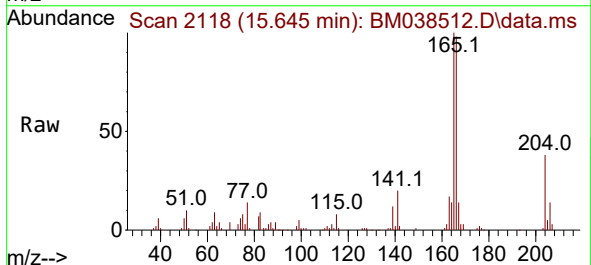
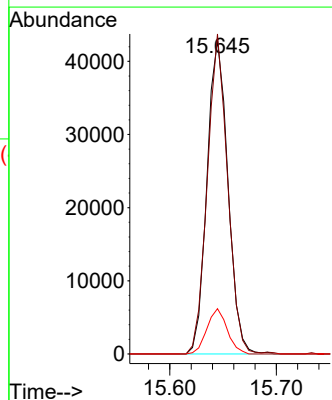
Tgt Ion:166 Resp: 58612

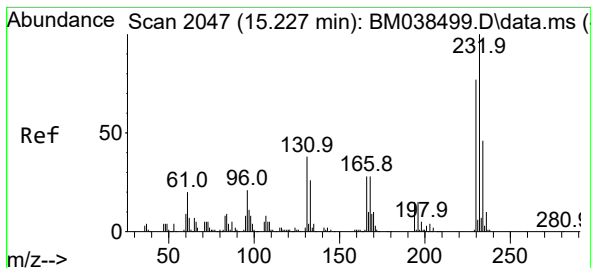
Ion Ratio Lower Upper

166 100

165 101.9 79.6 119.4

167 14.4 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 5.133 ng

RT: 15.221 min Scan# 2046

Delta R.T. -0.006 min

Lab File: BM038512.D

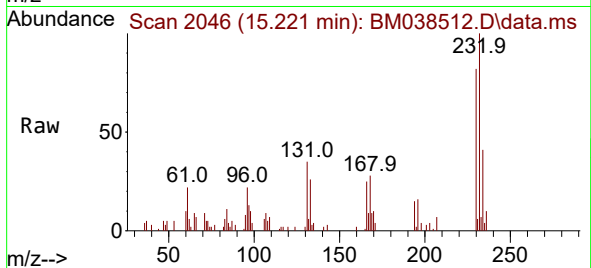
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 17317

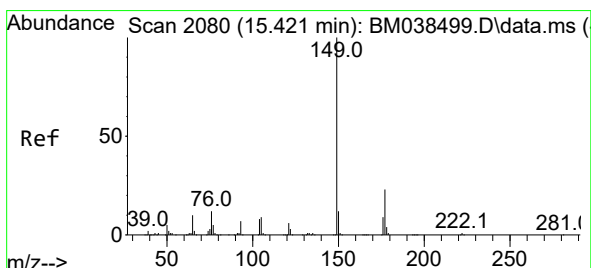
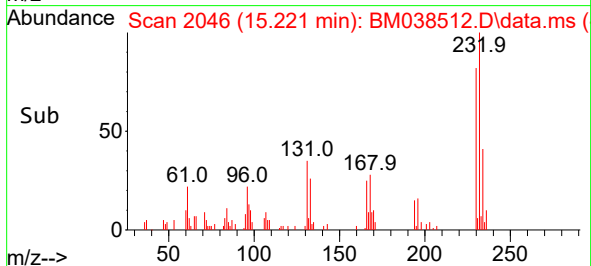
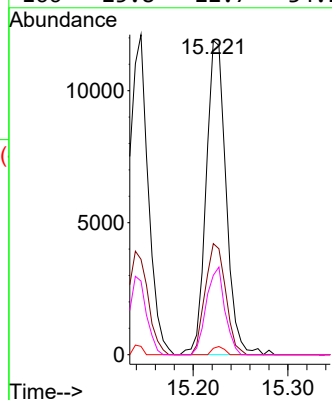
Ion Ratio Lower Upper

232 100

131 36.2 31.0 46.4

130 1.5 1.8 2.6#

166 25.8 22.7 34.1



#60

Diethylphthalate

Concen: 4.931 ng

RT: 15.415 min Scan# 2079

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

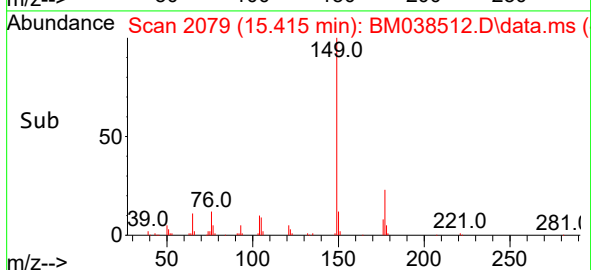
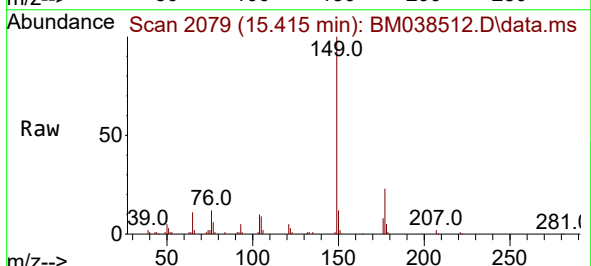
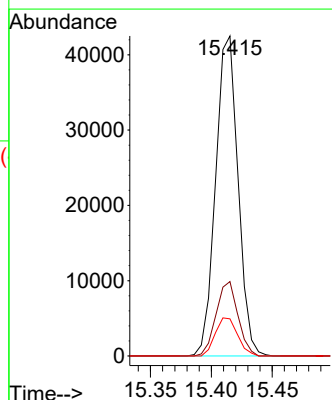
Tgt Ion:149 Resp: 54398

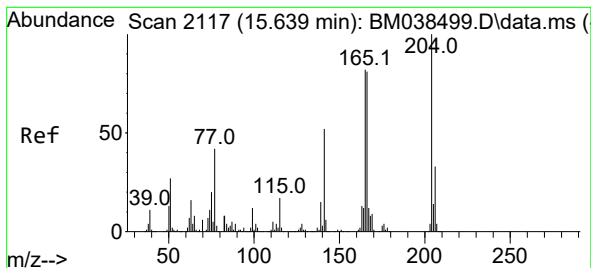
Ion Ratio Lower Upper

149 100

177 23.2 18.6 27.8

150 11.6 9.5 14.3

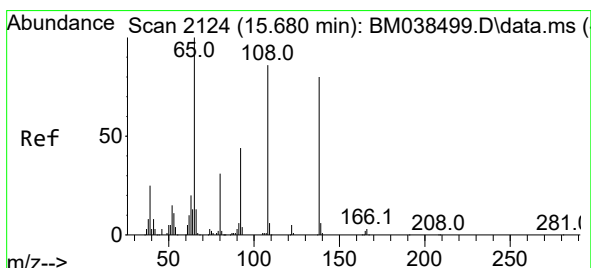
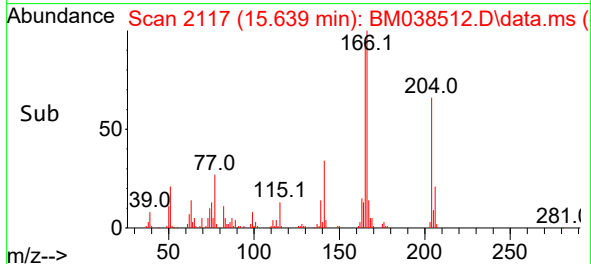
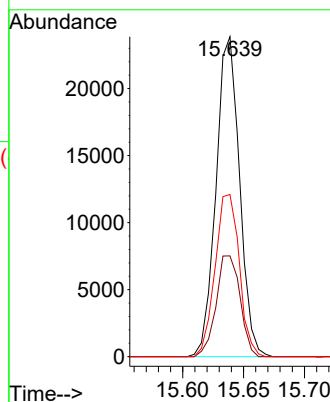
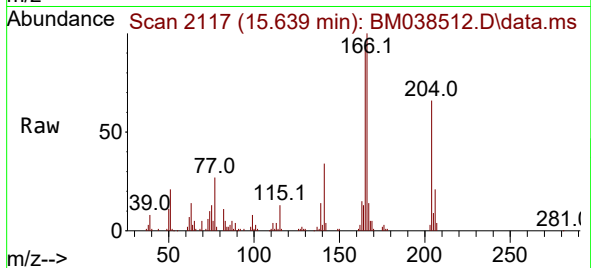




#61
4-Chlorophenyl-phenylether
Concen: 5.167 ng
RT: 15.639 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

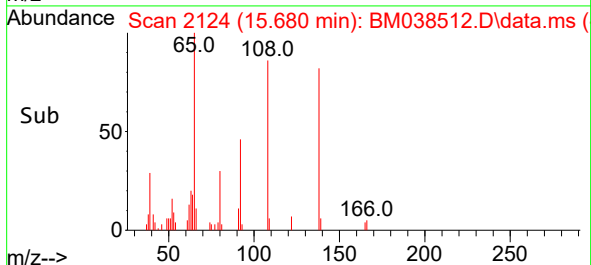
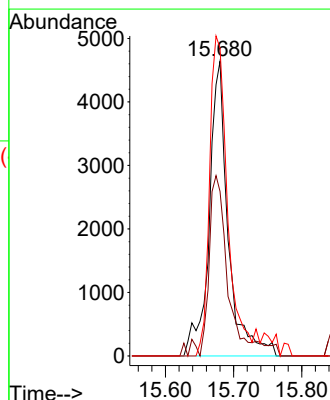
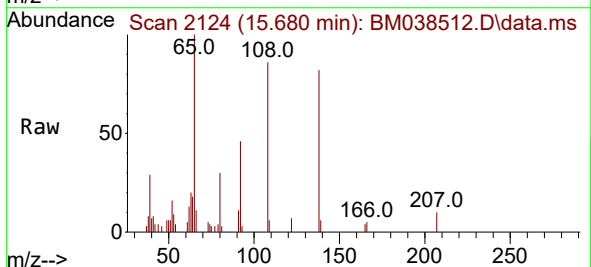
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

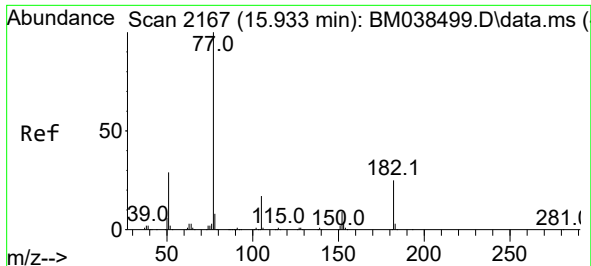
Tgt Ion:204 Resp: 32105
Ion Ratio Lower Upper
204 100
206 31.5 26.2 39.4
141 50.7 41.5 62.3



#62
4-Nitroaniline
Concen: 6.481 ng
RT: 15.680 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:138 Resp: 8992
Ion Ratio Lower Upper
138 100
92 55.8 35.2 75.2
108 104.4 87.3 127.3

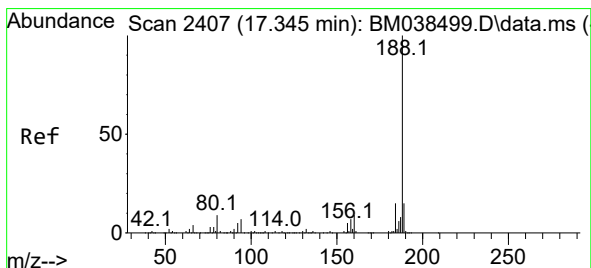
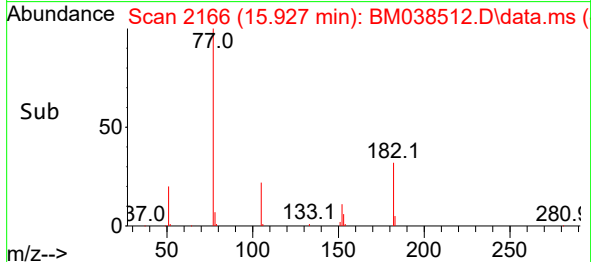
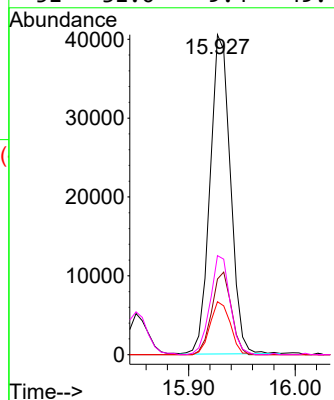
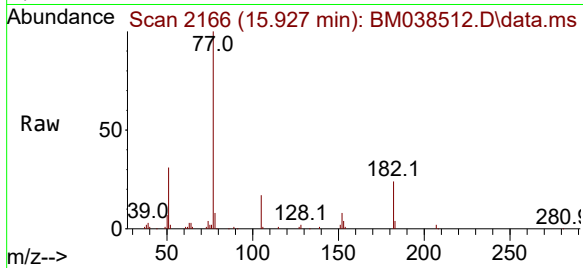




#63
Azobenzene
Concen: 4.593 ng
RT: 15.927 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

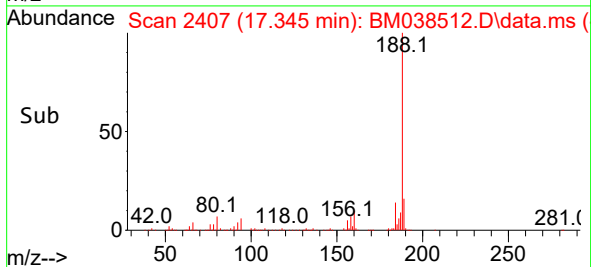
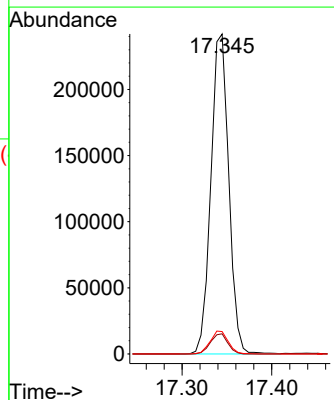
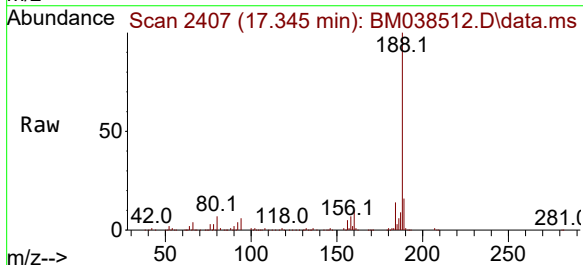
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

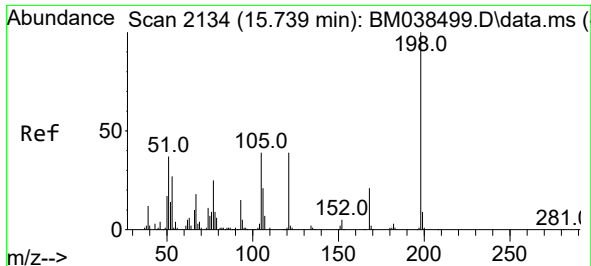
Tgt Ion: 77	Resp: 53685
Ion Ratio	Lower Upper
77 100	
182 23.7	4.7 44.7
105 16.6	0.0 36.7
51 31.0	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion: 188	Resp: 334618
Ion Ratio	Lower Upper
188 100	
94 6.3	6.0 9.0
80 7.0	6.9 10.3

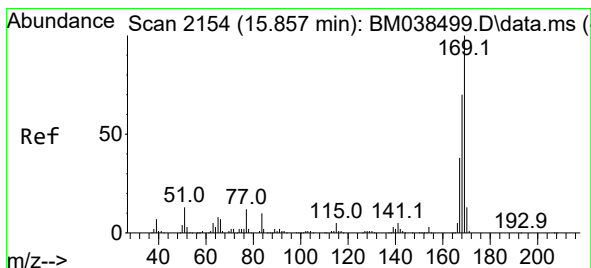
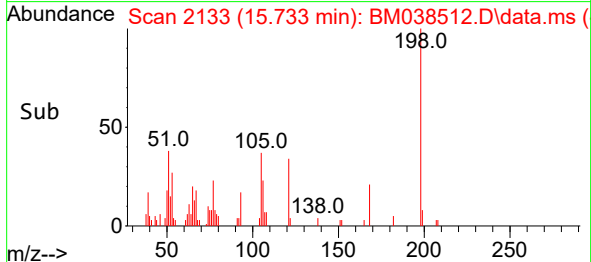
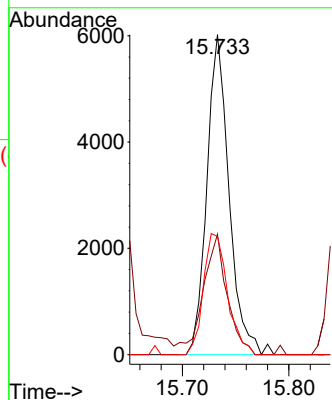
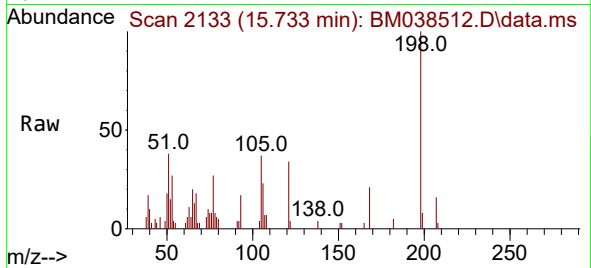




#65
4,6-Dinitro-2-methylphenol
Concen: 4.018 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

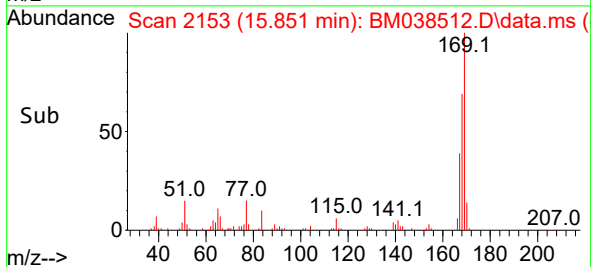
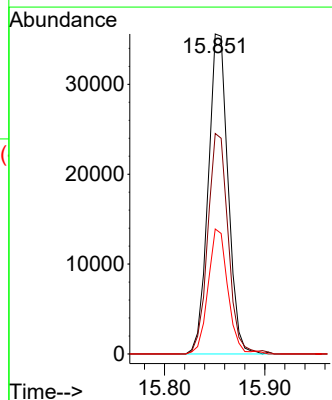
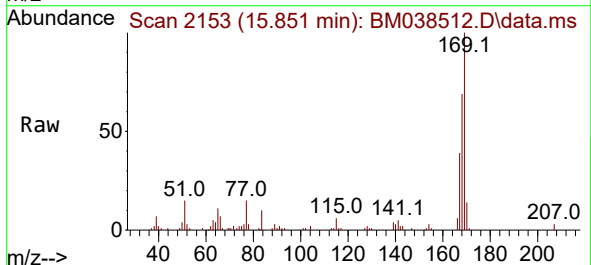
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

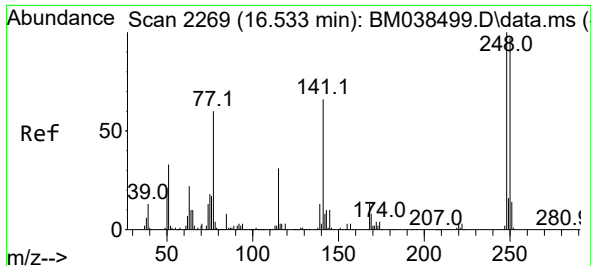
Tgt Ion:198 Resp: 8727
Ion Ratio Lower Upper
198 100
51 37.6 18.8 58.8
105 36.9 19.7 59.7



#66
n-Nitrosodiphenylamine
Concen: 4.874 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:169 Resp: 48961
Ion Ratio Lower Upper
169 100
168 68.9 55.8 83.8
167 39.0 30.3 45.5

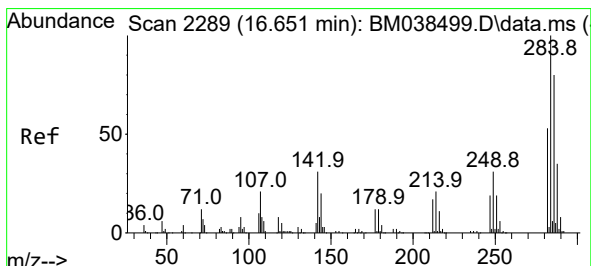
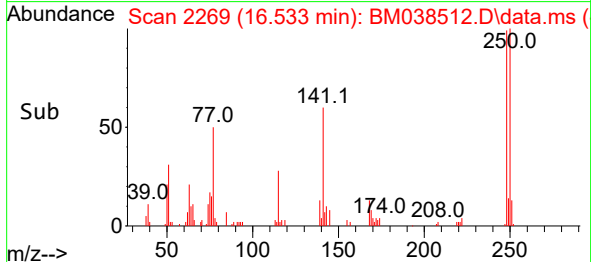
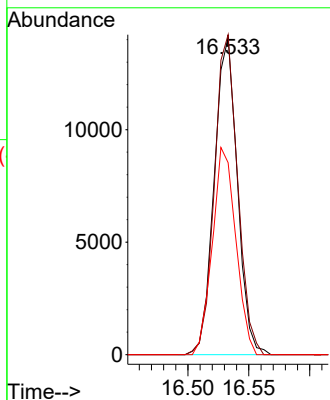
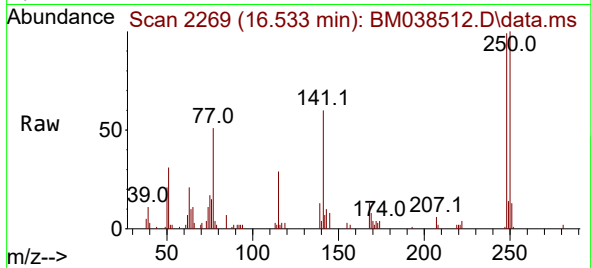




#67
4-Bromophenyl-phenylether
Concen: 5.013 ng
RT: 16.533 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

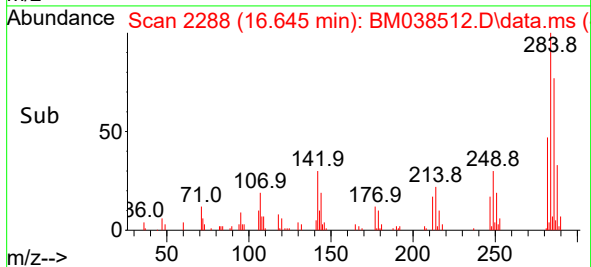
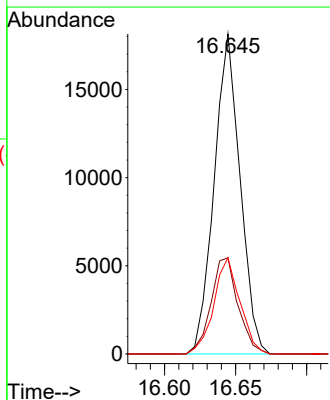
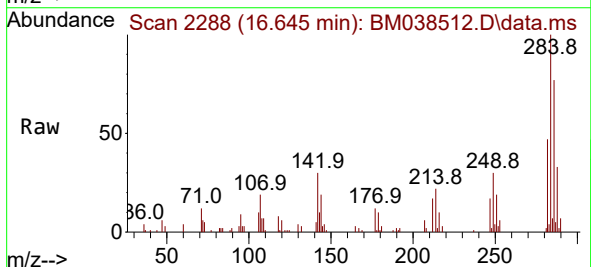
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

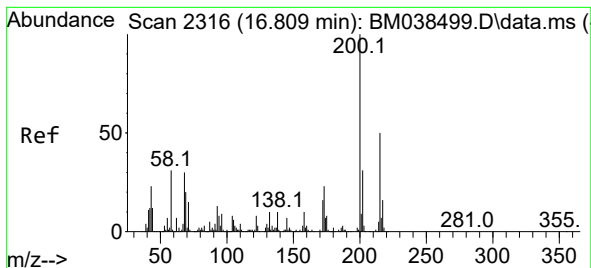
Tgt Ion:248 Resp: 18607
Ion Ratio Lower Upper
248 100
250 100.9 77.6 116.4
141 60.5 52.5 78.7



#68
Hexachlorobenzene
Concen: 5.747 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:284 Resp: 23017
Ion Ratio Lower Upper
284 100
142 30.1 25.2 37.8
249 30.1 24.4 36.6





#69

Atrazine

Concen: 4.443 ng

RT: 16.803 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

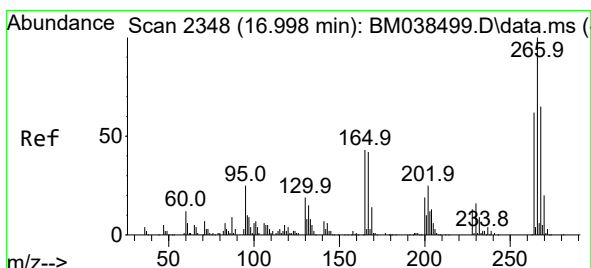
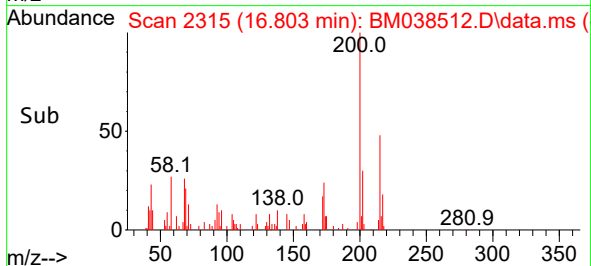
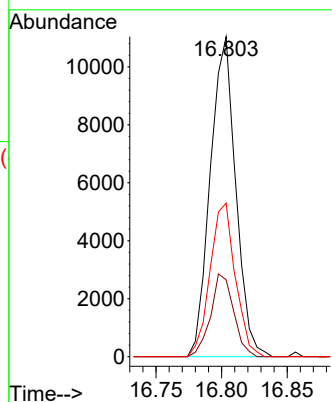
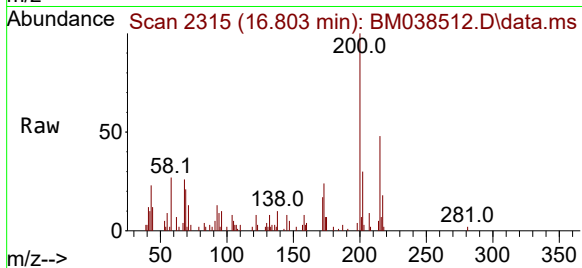
Tgt Ion:200 Resp: 14890

Ion Ratio Lower Upper

200 100

173 24.0 3.5 43.5

215 48.0 30.0 70.0



#70

Pentachlorophenol

Concen: 4.289 ng

RT: 16.992 min Scan# 2347

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

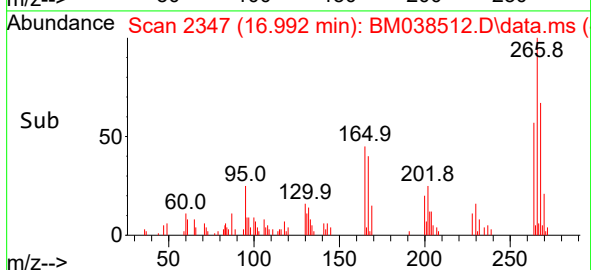
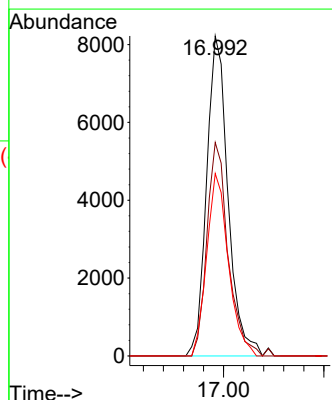
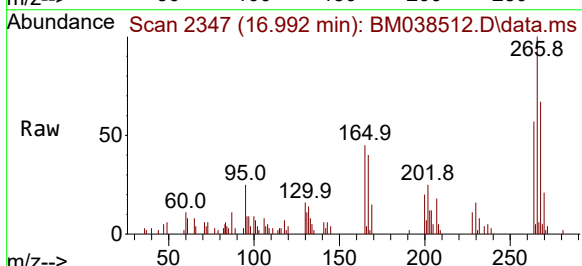
Tgt Ion:266 Resp: 12230

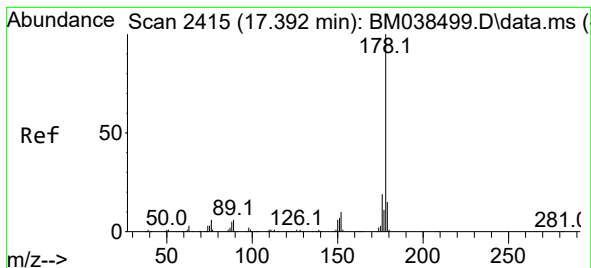
Ion Ratio Lower Upper

266 100

268 66.7 51.7 77.5

264 57.0 49.4 74.0





#71

Phenanthrene

Concen: 5.065 ng

RT: 17.386 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

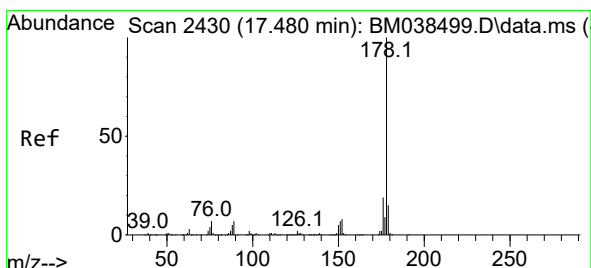
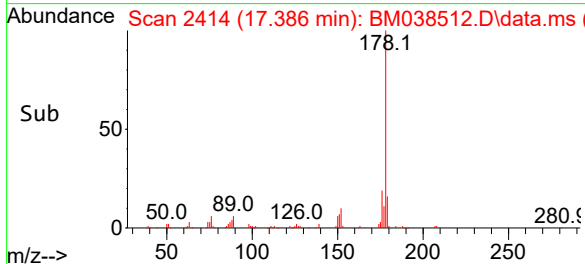
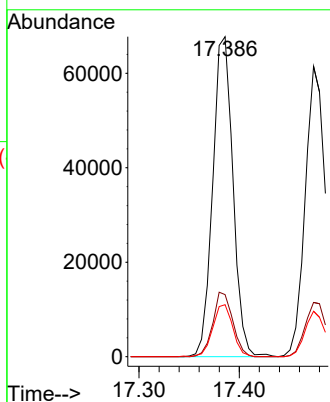
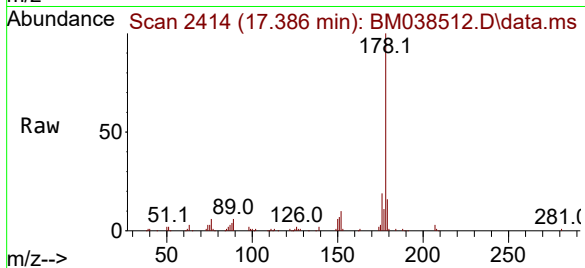
Tgt Ion:178 Resp: 94656

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 16.2 12.2 18.4



#72

Anthracene

Concen: 4.772 ng

RT: 17.474 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

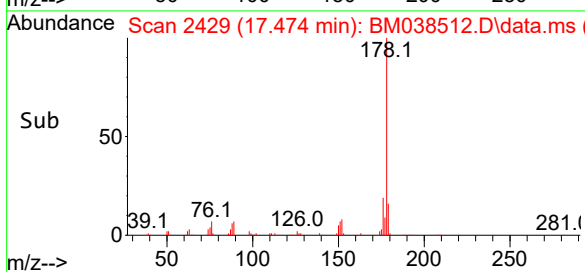
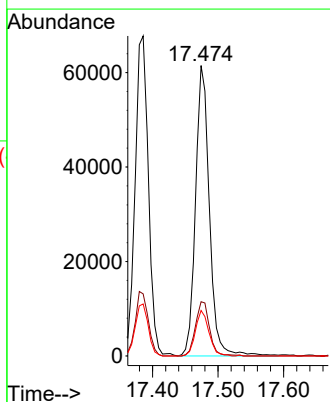
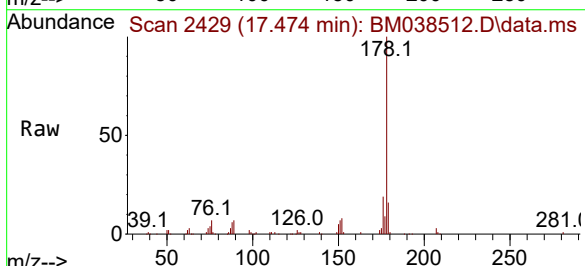
Tgt Ion:178 Resp: 90732

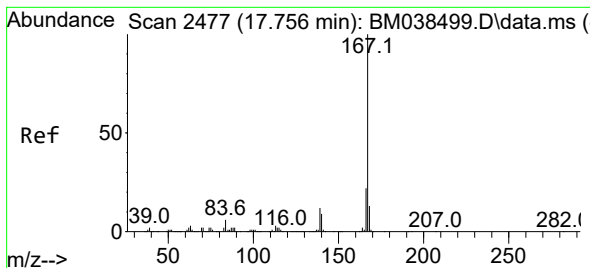
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

179 15.7 12.2 18.4





#73

Carbazole

Concen: 4.867 ng

RT: 17.750 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BM038512.D

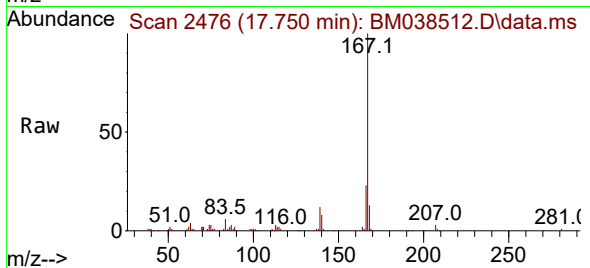
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



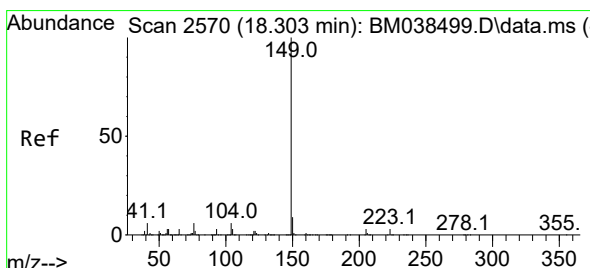
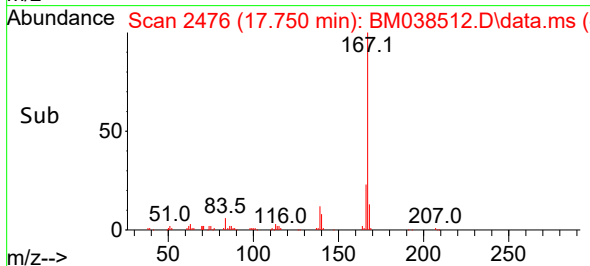
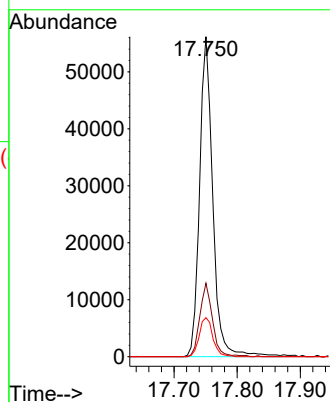
Tgt Ion:167 Resp: 81506

Ion Ratio Lower Upper

167 100

166 23.0 17.7 26.5

139 12.2 9.4 14.0



#74

Di-n-butylphthalate

Concen: 4.459 ng

RT: 18.297 min Scan# 2569

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

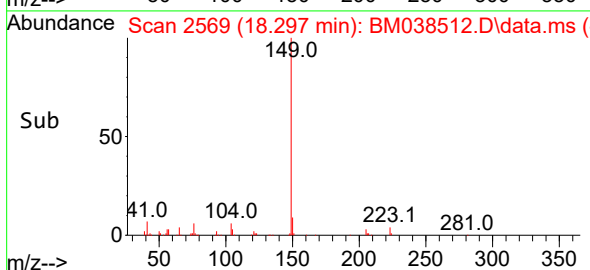
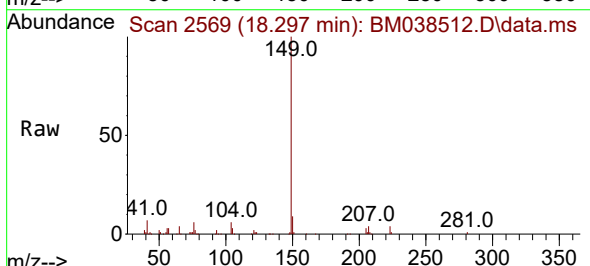
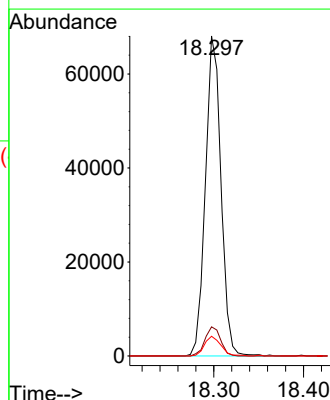
Tgt Ion:149 Resp: 82028

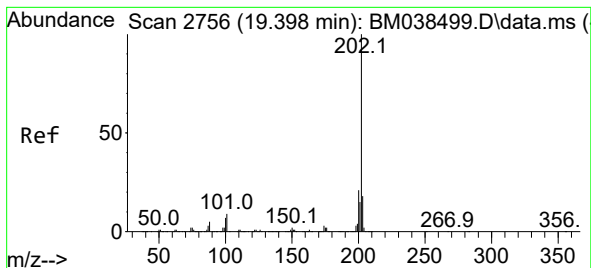
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 6.2 4.6 6.8





#75

Fluoranthene

Concen: 4.990 ng

RT: 19.397 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

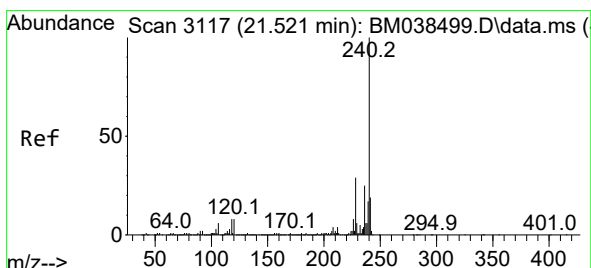
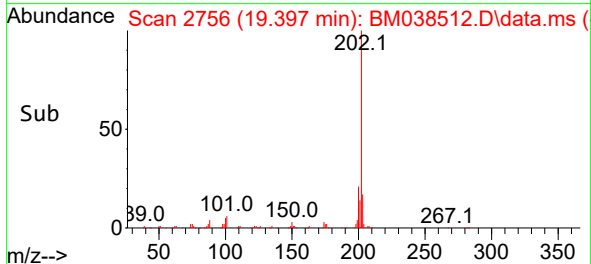
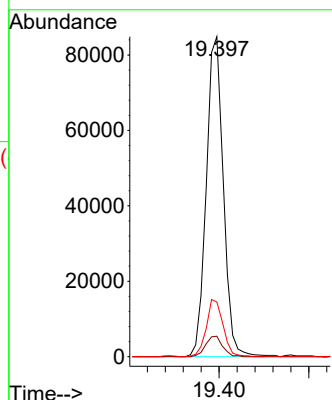
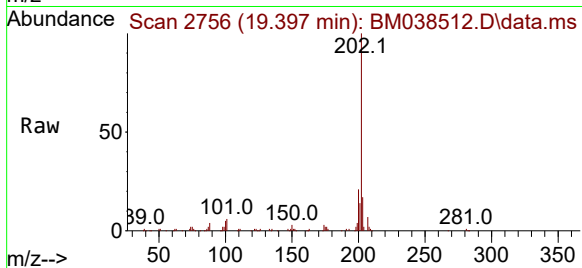
Tgt Ion:202 Resp: 112059

Ion Ratio Lower Upper

202 100

101 6.4 0.0 28.7

203 17.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

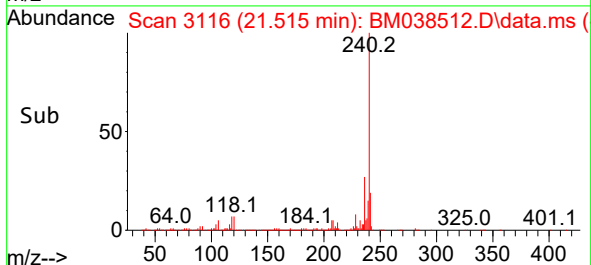
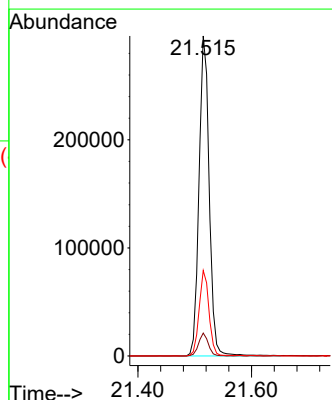
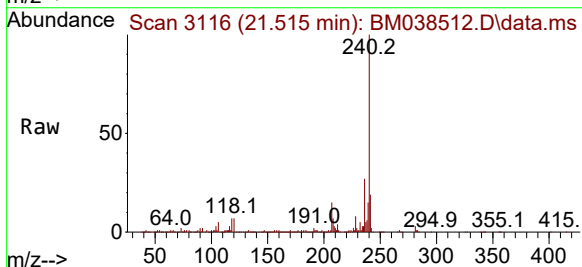
Tgt Ion:240 Resp: 371309

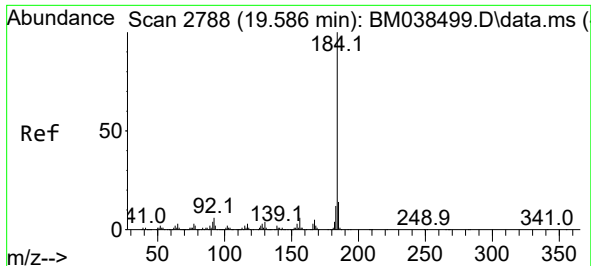
Ion Ratio Lower Upper

240 100

120 7.2 6.2 9.2

236 26.7 20.2 30.2

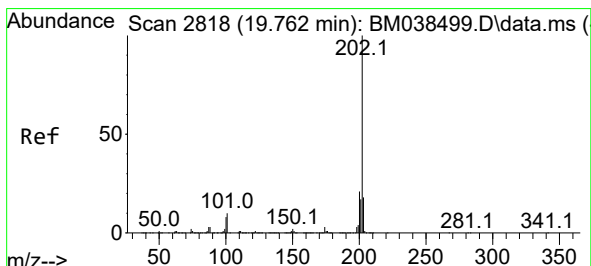
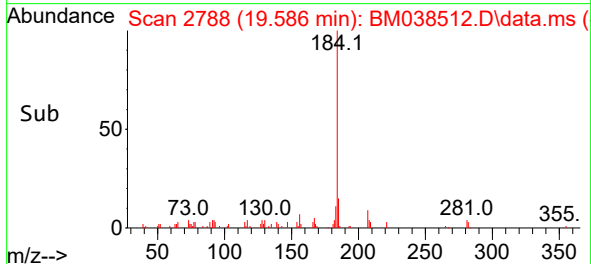
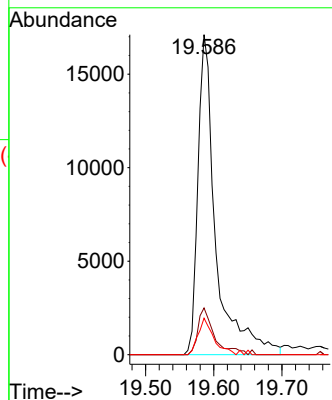
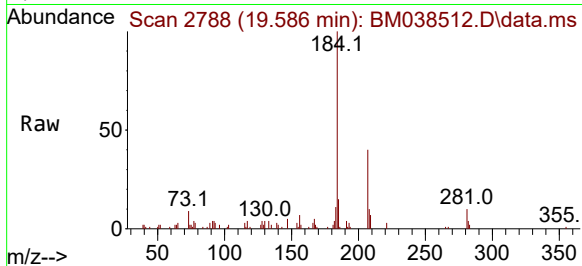




#77
Benzidine
Concen: 3.693 ng
RT: 19.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

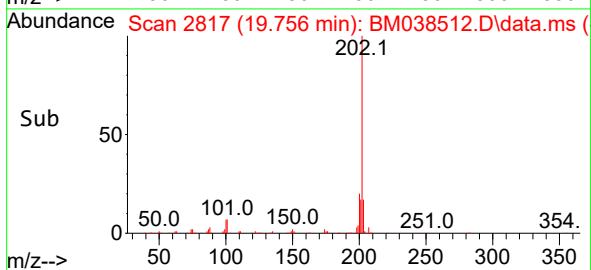
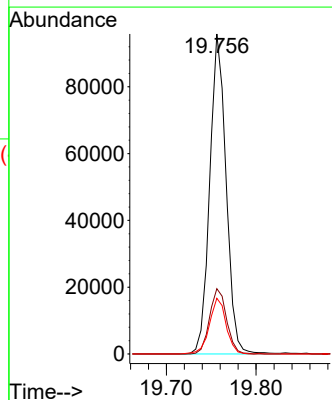
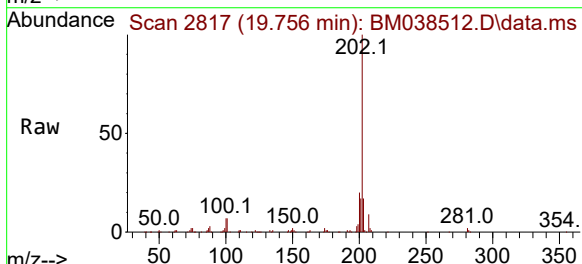
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

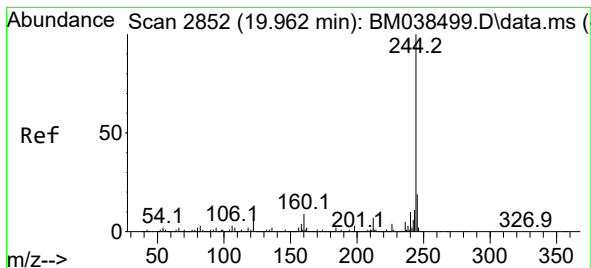
Tgt Ion:184 Resp: 31246
Ion Ratio Lower Upper
184 100
185 14.6 10.9 16.3
183 11.4 9.3 13.9



#78
Pyrene
Concen: 4.684 ng
RT: 19.756 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:202 Resp: 121108
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 70.783 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

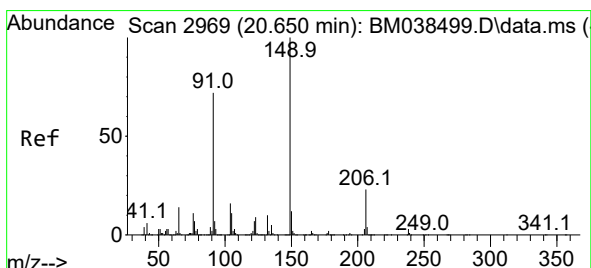
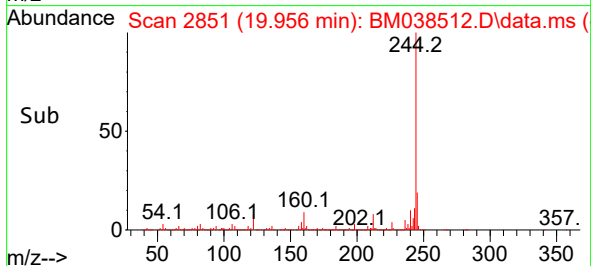
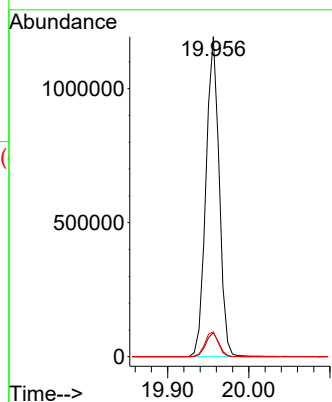
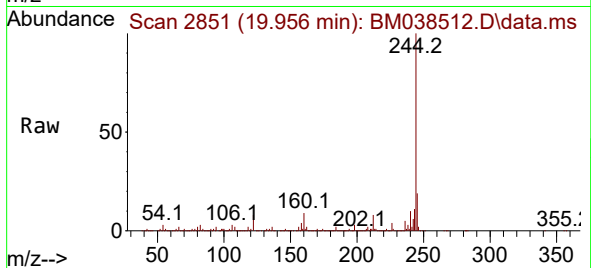
Tgt Ion:244 Resp: 1348150

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 7.8 6.7 10.1



#80

Butylbenzylphthalate

Concen: 4.062 ng

RT: 20.644 min Scan# 2968

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

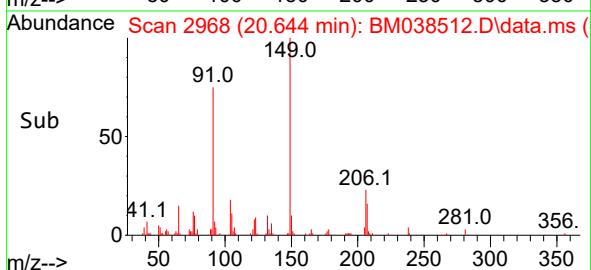
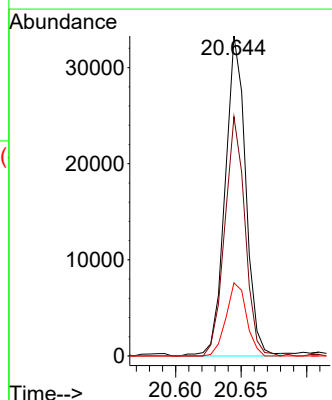
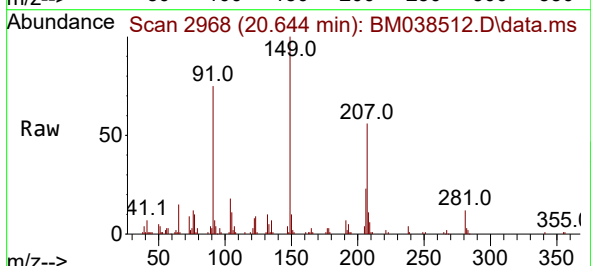
Tgt Ion:149 Resp: 36320

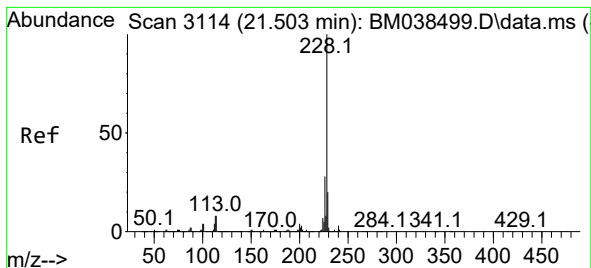
Ion Ratio Lower Upper

149 100

91 74.8 57.5 86.3

206 22.9 18.2 27.2





#81

Benzo(a)anthracene

Concen: 5.115 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.000 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

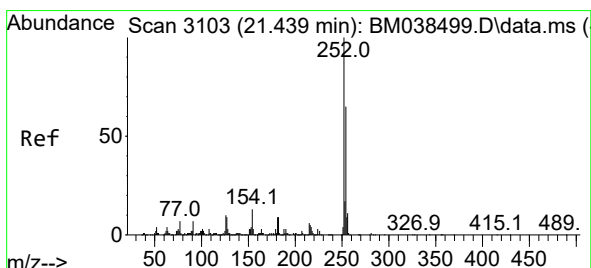
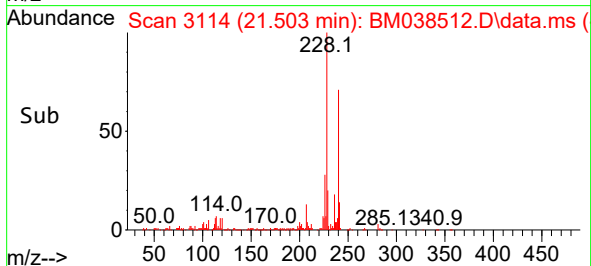
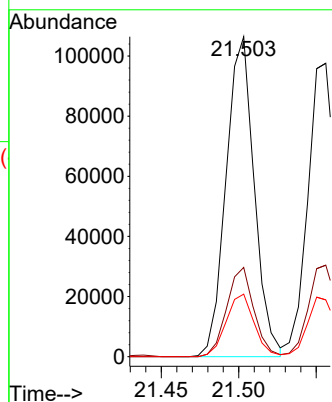
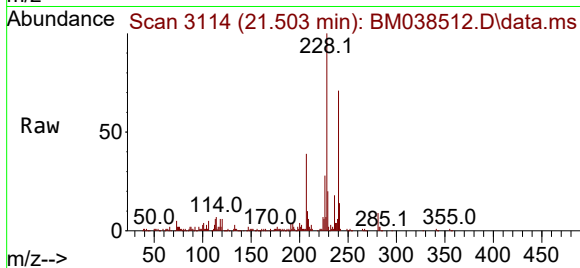
Tgt Ion:228 Resp: 134578

Ion Ratio Lower Upper

228 100

226 27.9 22.2 33.2

229 19.5 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 4.640 ng

RT: 21.438 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

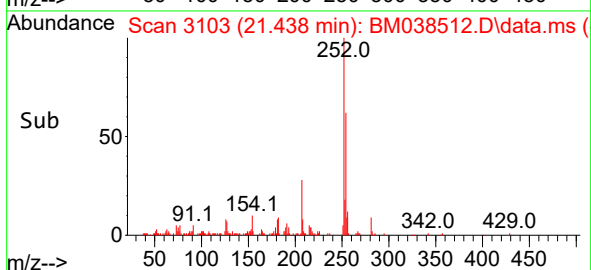
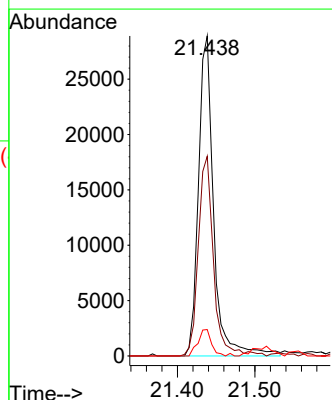
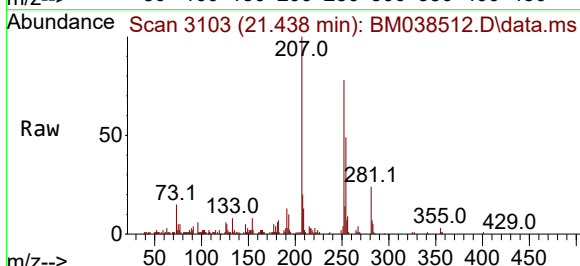
Tgt Ion:252 Resp: 39217

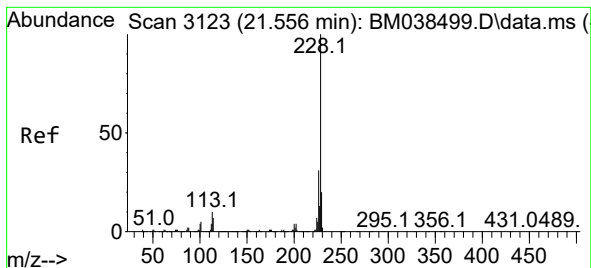
Ion Ratio Lower Upper

252 100

254 62.4 51.9 77.9

126 8.2 7.7 11.5





#83

Chrysene

Concen: 5.059 ng

RT: 21.556 min Scan# 3123

Delta R.T. -0.000 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

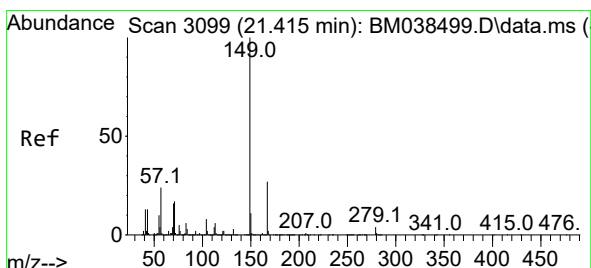
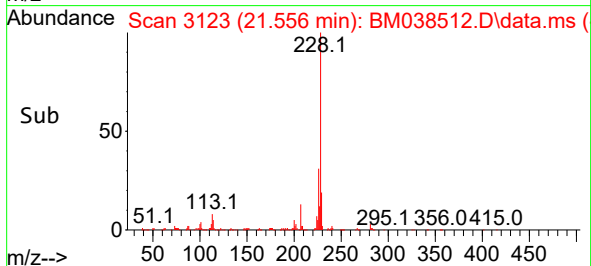
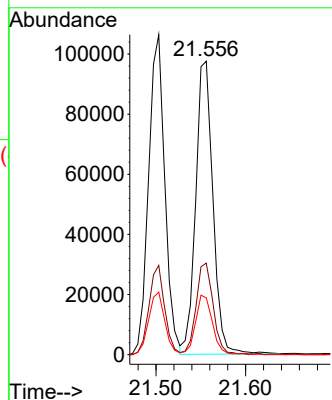
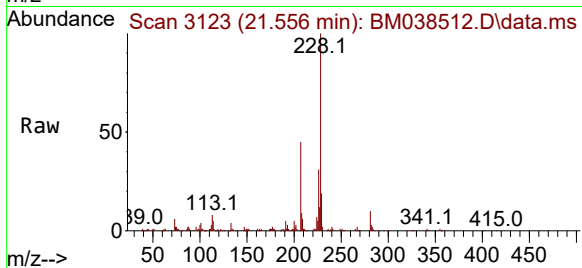
Tgt Ion:228 Resp: 130167

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.151 ng

RT: 21.415 min Scan# 3099

Delta R.T. -0.000 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

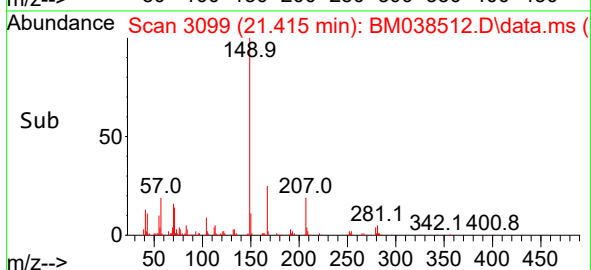
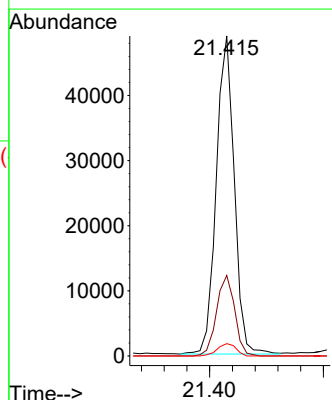
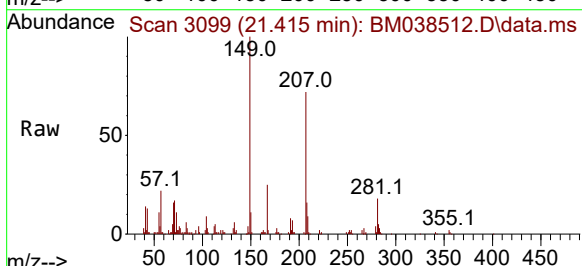
Tgt Ion:149 Resp: 53783

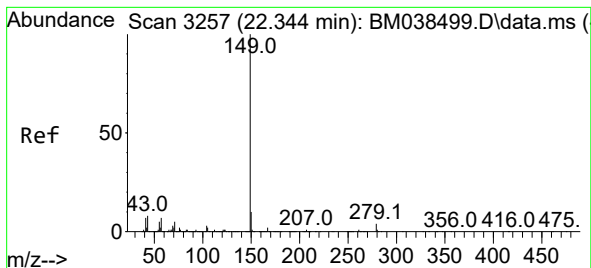
Ion Ratio Lower Upper

149 100

167 25.2 21.3 31.9

279 3.8 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 4.049 ng

RT: 22.338 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

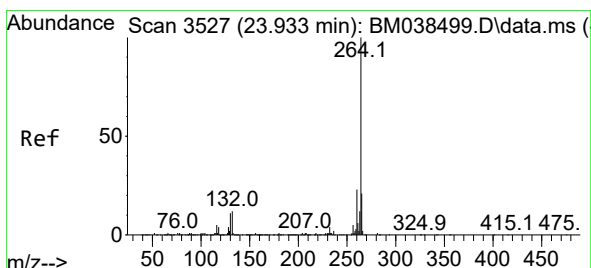
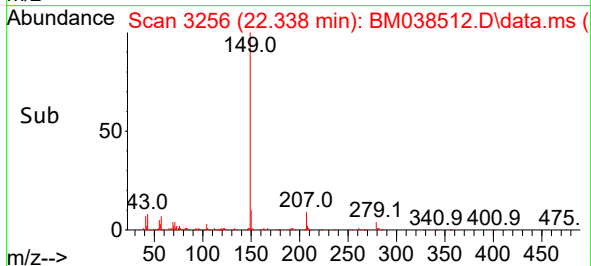
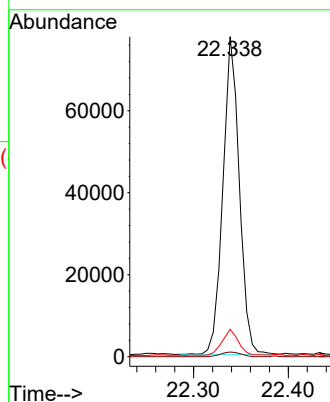
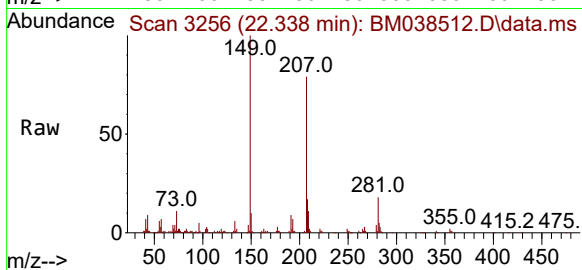
Tgt Ion:149 Resp: 93276

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 8.5 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3526

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

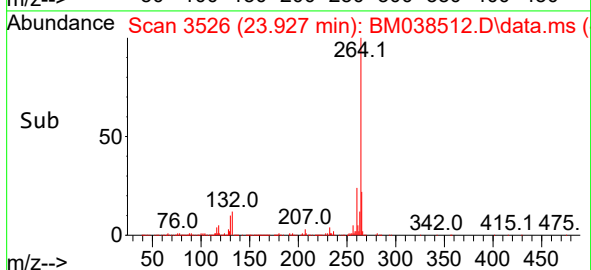
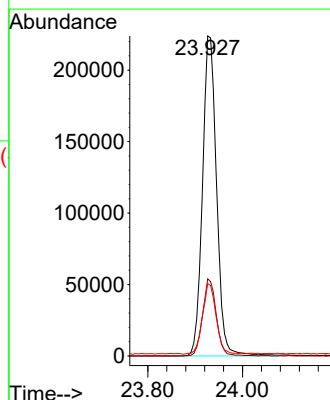
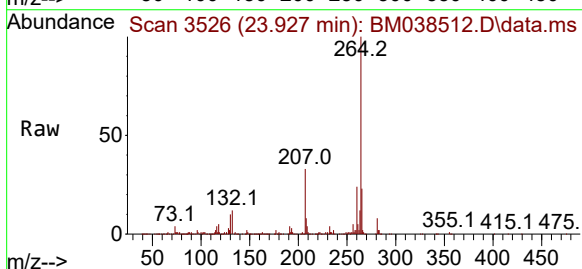
Tgt Ion:264 Resp: 463050

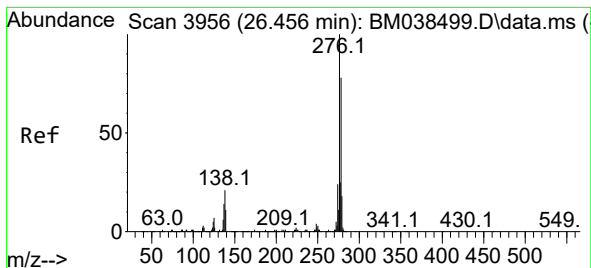
Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

265 22.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.246 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.012 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

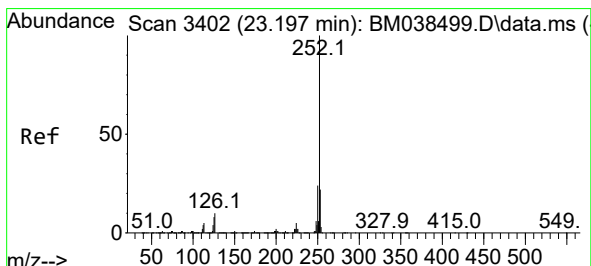
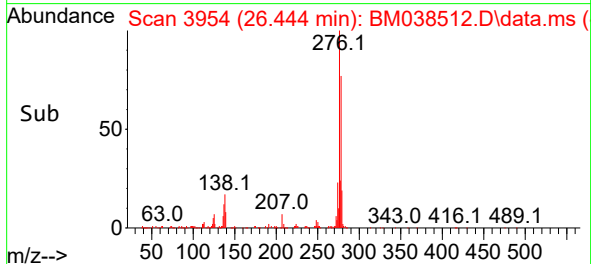
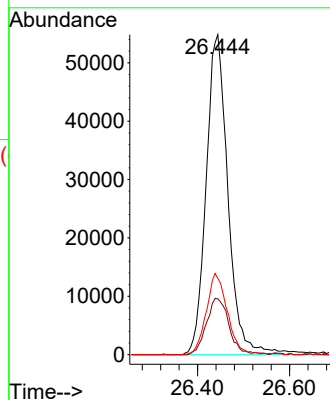
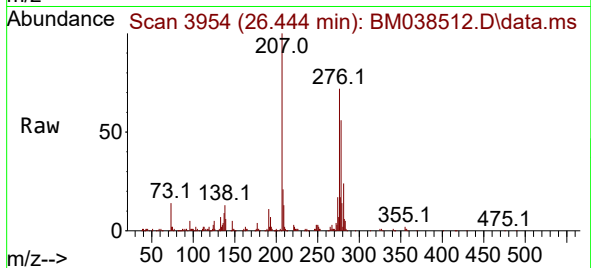
Tgt Ion:276 Resp: 179761

Ion Ratio Lower Upper

276 100

138 18.3 15.8 23.8

277 24.7 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 5.271 ng

RT: 23.191 min Scan# 3401

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

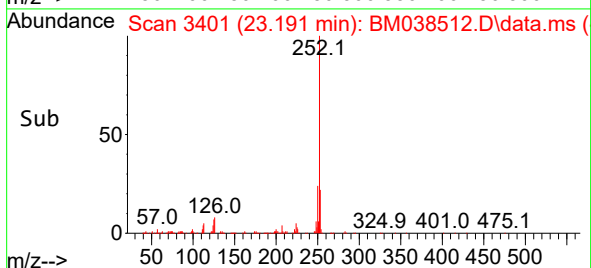
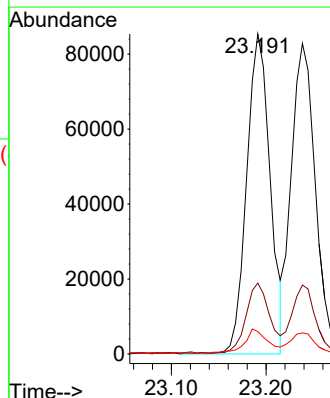
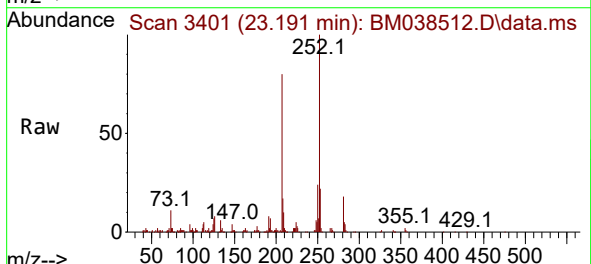
Tgt Ion:252 Resp: 147235

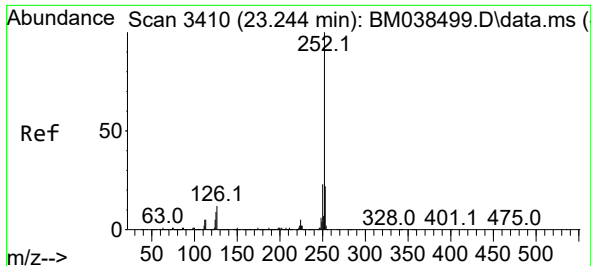
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 7.0 6.4 9.6

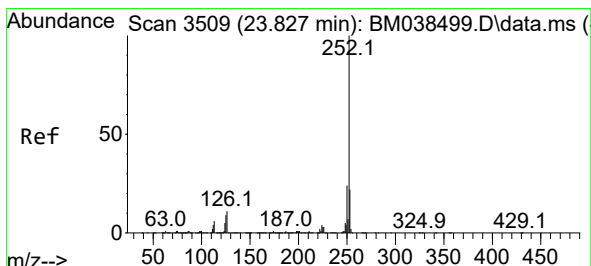
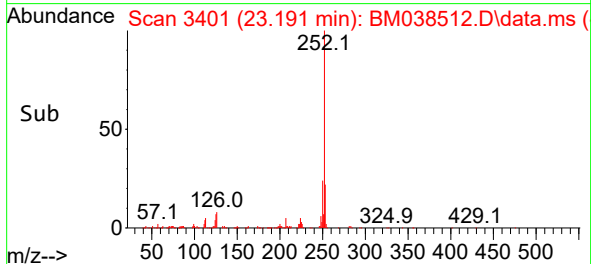
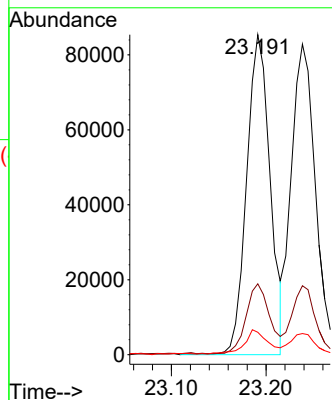
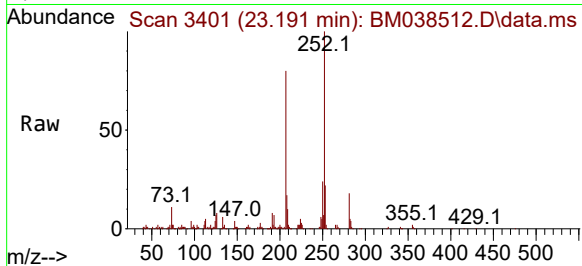




#89
Benzo(k)fluoranthene
Concen: 5.094 ng
RT: 23.191 min Scan# 3410
Delta R.T. -0.053 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

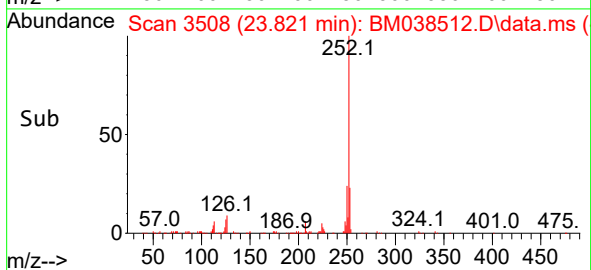
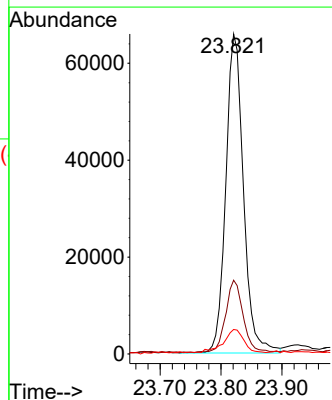
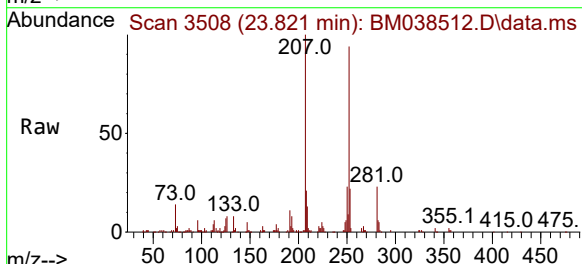
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

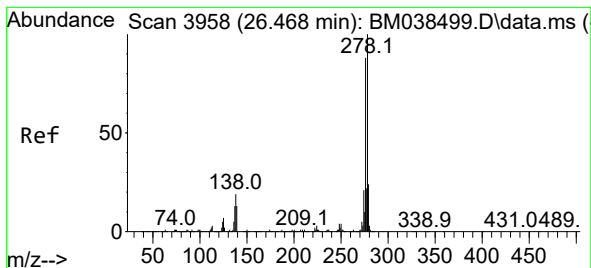
Tgt Ion:252 Resp: 147235
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 7.0 6.8 10.2



#90
Benzo(a)pyrene
Concen: 4.793 ng
RT: 23.821 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:252 Resp: 132733
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 7.7 7.3 10.9





#91

Dibenzo(a,h)anthracene

Concen: 5.430 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

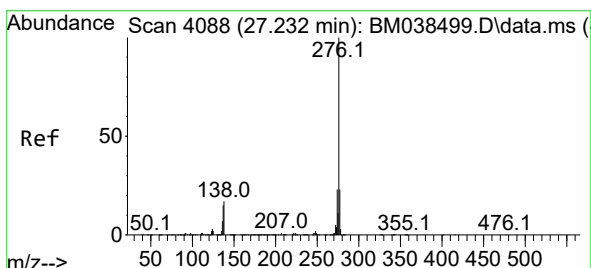
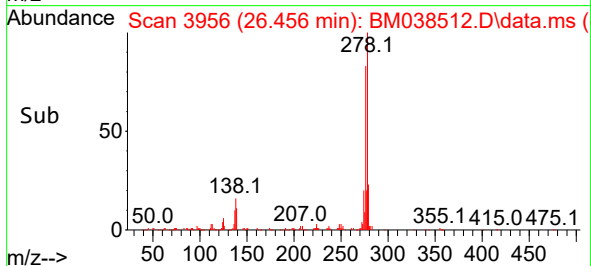
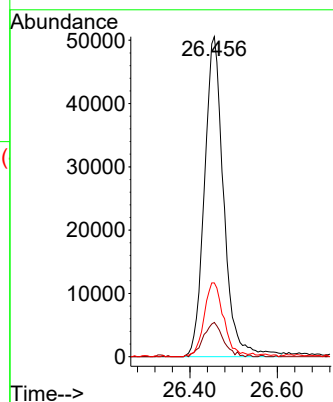
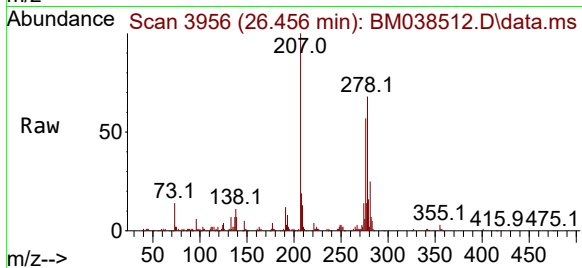
Tgt Ion:278 Resp: 154883

Ion Ratio Lower Upper

278 100

139 10.7 10.3 15.5

279 23.1 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 5.370 ng

RT: 27.220 min Scan# 4086

Delta R.T. -0.012 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Tgt Ion:276 Resp: 156883

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 14.0 13.8 20.8

