

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
 Data File : BM038511.D
 Acq On : 23 Jan 2023 16:15
 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 05:13:42 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	49329	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	240465	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	145981	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	334567	20.000	ng	# 0.00
76) Chrysene-d12	21.515	240	367964	20.000	ng	0.00
86) Perylene-d12	23.933	264	457171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	457109	153.188	ng	0.00
7) Phenol-d6	7.128	99	578177	151.864	ng	0.00
23) Nitrobenzene-d5	9.140	82	265666	47.976	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	262335	124.792	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	864180	72.921	ng	0.00
79) Terphenyl-d14	19.957	244	1339591	70.973	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.375	88	8997	6.428	ng	98
3) Pyridine	3.811	79	20622	5.610	ng	92
4) n-Nitrosodimethylamine	3.705	42	12120	6.946	ng	# 90
6) Aniline	7.293	93	33372	7.062	ng	98
8) 2-Chlorophenol	7.522	128	23940	7.854	ng	92
9) Benzaldehyde	7.110	77	20449	9.055	ng	92
10) Phenol	7.157	94	29358	7.717	ng	94
11) bis(2-Chloroethyl)ether	7.387	93	23812	7.933	ng	98
12) 1,3-Dichlorobenzene	7.852	146	19122	5.518	ng	94
13) 1,4-Dichlorobenzene	7.999	146	19734	5.636	ng	95
14) 1,2-Dichlorobenzene	8.316	146	19539	5.761	ng	92
15) Benzyl Alcohol	8.216	79	13432	4.719	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.499	45	14544	4.614	ng	93
17) 2-Methylphenol	8.416	107	11879	4.412	ng	98
18) Hexachloroethane	9.040	117	7451	5.724	ng	95
19) n-Nitroso-di-n-propyla...	8.775	70	12329	4.590	ng	# 94
20) 3+4-Methylphenols	8.740	107	16119	4.467	ng	98
22) Acetophenone	8.799	105	21057	3.179	ng	# 95
24) Nitrobenzene	9.181	77	19793	3.533	ng	98
25) Isophorone	9.704	82	34231	3.746	ng	# 94
26) 2-Nitrophenol	9.898	139	9731	4.375	ng	92
27) 2,4-Dimethylphenol	9.945	122	13131	3.548	ng	96
28) bis(2-Chloroethoxy)met...	10.187	93	27043	5.059	ng	# 89
29) 2,4-Dichlorophenol	10.428	162	20815	4.794	ng	94
30) 1,2,4-Trichlorobenzene	10.640	180	29636	5.968	ng	99
31) Naphthalene	10.828	128	66192	5.067	ng	98
32) Benzoic acid	10.028	122	4724	7.029	ng	90
33) 4-Chloroaniline	10.945	127	25247	4.630	ng	96
34) Hexachlorobutadiene	11.098	225	17975	5.503	ng	91
35) Caprolactam	11.728	113	3131	2.974	ng	96
36) 4-Chloro-3-methylphenol	12.063	107	18473	4.678	ng	93
37) 2-Methylnaphthalene	12.434	142	44215	4.710	ng	97
38) 1-Methylnaphthalene	12.651	142	42480	4.798	ng	94
40) 1,2,4,5-Tetrachloroben...	12.798	216	25742	4.688	ng	97
41) Hexachlorocyclopentadiene	12.769	237	13047	4.323	ng	95
43) 2,4,6-Trichlorophenol	13.039	196	17633	5.016	ng	94

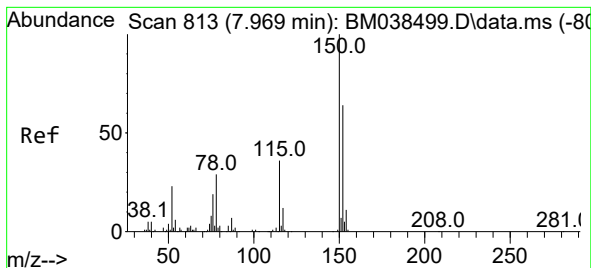
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	19690	4.782	ng	96
46) 1,1'-Biphenyl	13.439	154	52317	4.475	ng	98
47) 2-Chloronaphthalene	13.481	162	49842	5.461	ng	96
48) 2-Nitroaniline	13.698	65	10960	4.089	ng	90
49) Acenaphthylene	14.328	152	69139	4.842	ng	98
50) Dimethylphthalate	14.057	163	57608	5.126	ng	# 99
51) 2,6-Dinitrotoluene	14.186	165	10474	4.429	ng	94
52) Acenaphthene	14.663	154	44129	5.067	ng	97
53) 3-Nitroaniline	14.522	138	9344	3.976	ng	# 97
54) 2,4-Dinitrophenol	14.733	184	5834	7.828	ng	90
55) Dibenzofuran	14.998	168	74472	5.115	ng	96
56) 4-Nitrophenol	14.828	139	7306	3.775	ng	92
57) 2,4-Dinitrotoluene	14.975	165	13774	4.297	ng	# 96
58) Fluorene	15.645	166	58200	4.930	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.227	232	16537	4.914	ng	98
60) Diethylphthalate	15.416	149	54691	4.970	ng	98
61) 4-Chlorophenyl-phenyle...	15.639	204	32008	5.164	ng	98
62) 4-Nitroaniline	15.675	138	8825	6.431	ng	96
63) Azobenzene	15.933	77	54632	4.686	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	8381	3.859	ng	95
66) n-Nitrosodiphenylamine	15.851	169	48265	4.805	ng	100
67) 4-Bromophenyl-phenylether	16.533	248	19200	5.174	ng	95
68) Hexachlorobenzene	16.645	284	23340	5.828	ng	100
69) Atrazine	16.798	200	14955	4.463	ng	98
70) Pentachlorophenol	16.992	266	12499	4.384	ng	91
71) Phenanthrene	17.386	178	97527	5.220	ng	98
72) Anthracene	17.474	178	91827	4.830	ng	99
73) Carbazole	17.751	167	82010	4.898	ng	98
74) Di-n-butylphthalate	18.298	149	82543	4.488	ng	98
75) Fluoranthene	19.398	202	109897	4.894	ng	97
77) Benzidine	19.586	184	29776	3.551	ng	97
78) Pyrene	19.757	202	118911	4.641	ng	99
80) Butylbenzylphthalate	20.645	149	35448	4.001	ng	94
81) Benzo(a)anthracene	21.504	228	132324	5.075	ng	98
82) 3,3'-Dichlorobenzidine	21.439	252	39587	4.727	ng	# 98
83) Chrysene	21.557	228	130311	5.111	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	52731	4.107	ng	100
85) Di-n-octyl phthalate	22.339	149	94409	4.135	ng	100
87) Indeno(1,2,3-cd)pyrene	26.444	276	170550	5.041	ng	97
88) Benzo(b)fluoranthene	23.192	252	142742	5.176	ng	99
89) Benzo(k)fluoranthene	23.245	252	149794	5.249	ng	99
90) Benzo(a)pyrene	23.827	252	128443	4.698	ng	98
91) Dibenzo(a,h)anthracene	26.456	278	149640	5.314	ng	# 95
92) Benzo(g,h,i)perylene	27.221	276	153109	5.308	ng	98

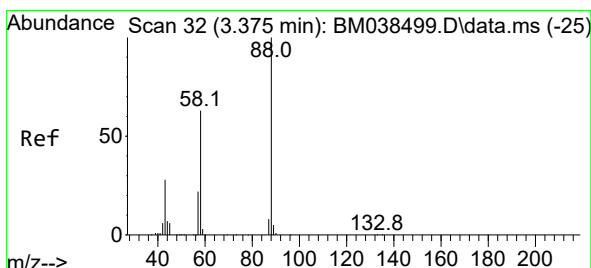
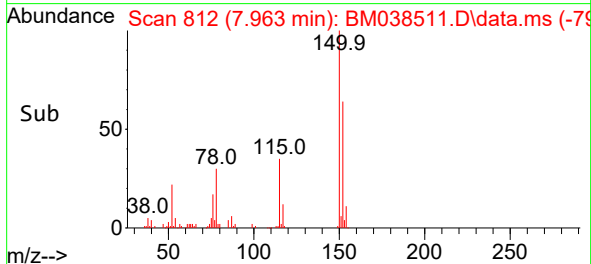
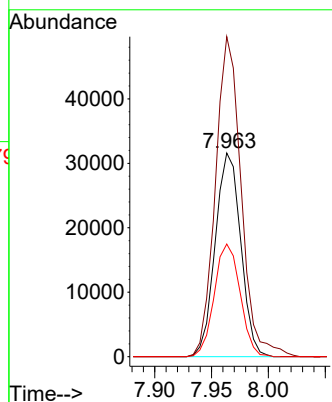
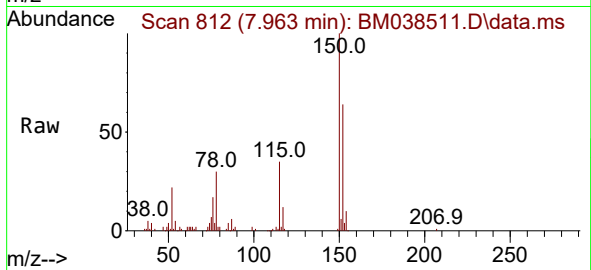
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

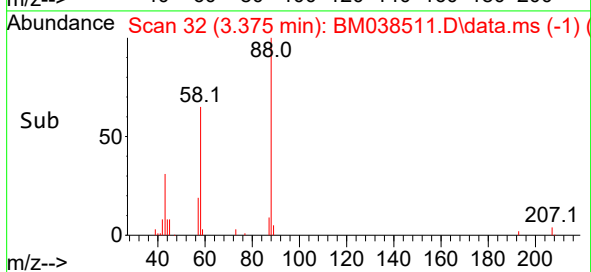
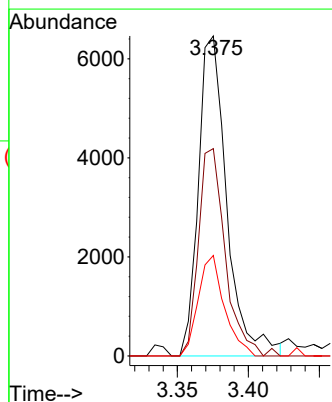
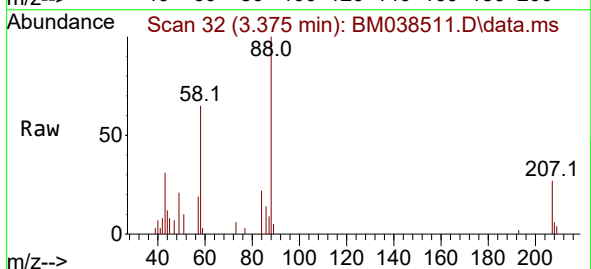
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

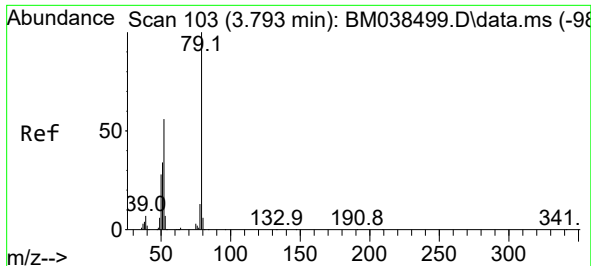
Tgt Ion:152 Resp: 49329
Ion Ratio Lower Upper
152 100
150 157.1 124.2 186.4
115 55.3 44.8 67.2



#2
1,4-Dioxane
Concen: 6.428 ng
RT: 3.375 min Scan# 32
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 88 Resp: 8997
Ion Ratio Lower Upper
88 100
58 61.4 50.5 75.7
43 28.9 23.9 35.9

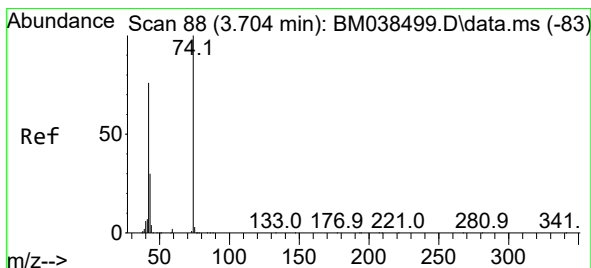
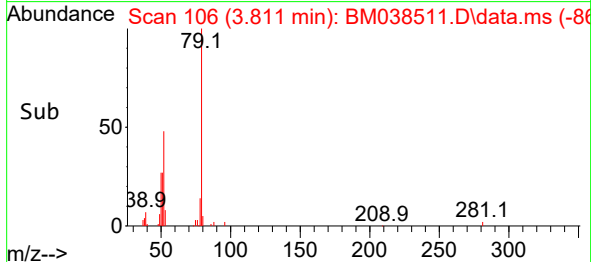
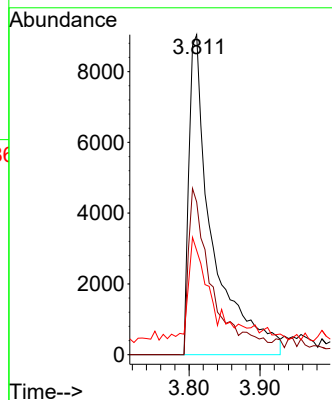
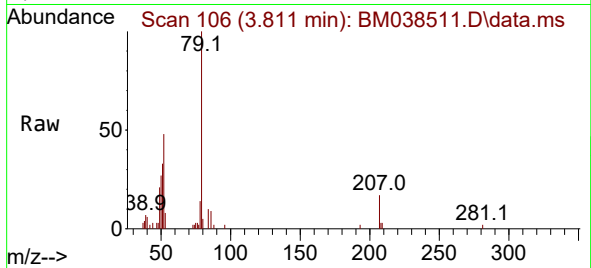




#3
Pyridine
Concen: 5.610 ng
RT: 3.811 min Scan# 106
Delta R.T. 0.018 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

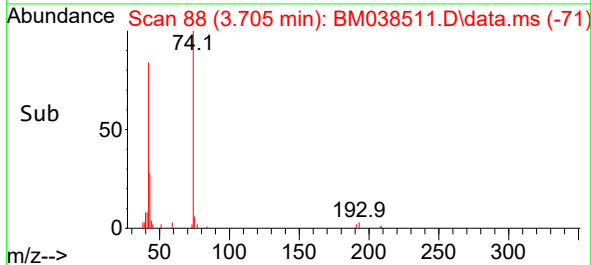
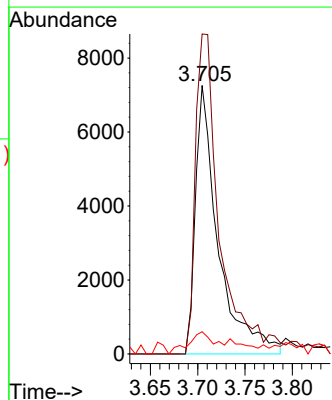
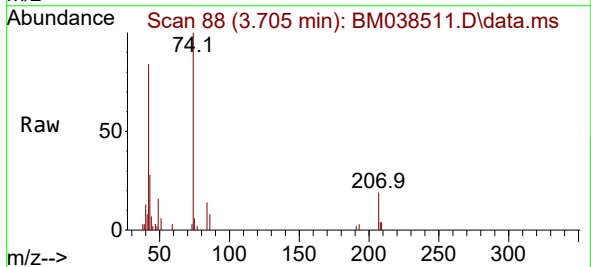
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

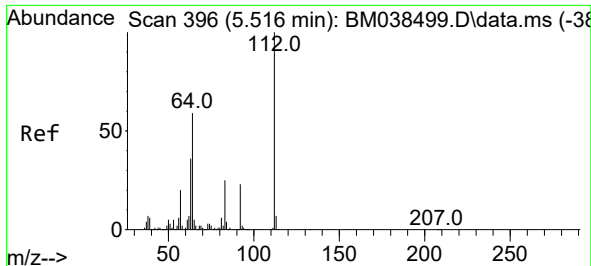
Tgt Ion: 79 Resp: 20622
Ion Ratio Lower Upper
79 100
52 47.7 45.0 67.4
51 32.6 27.1 40.7



#4
n-Nitrosodimethylamine
Concen: 6.946 ng
RT: 3.705 min Scan# 88
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 42 Resp: 12120
Ion Ratio Lower Upper
42 100
74 119.2 105.0 157.4
44 8.3 4.1 6.1#

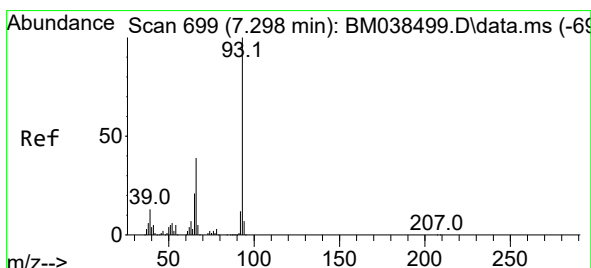
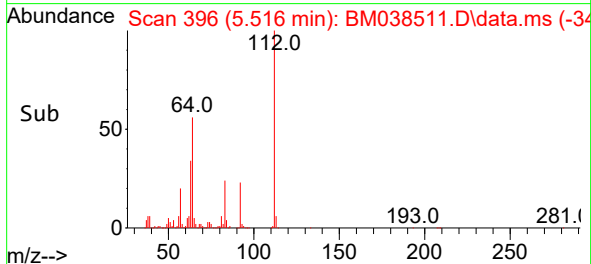
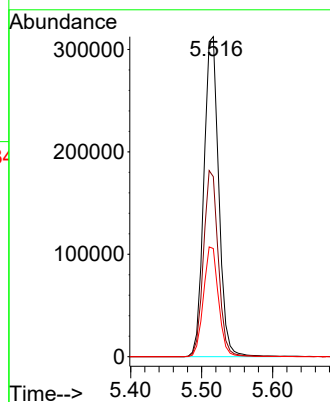
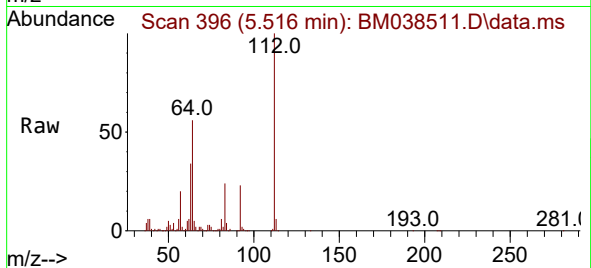




#5
2-Fluorophenol
Concen: 153.188 ng
RT: 5.516 min Scan# 396
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

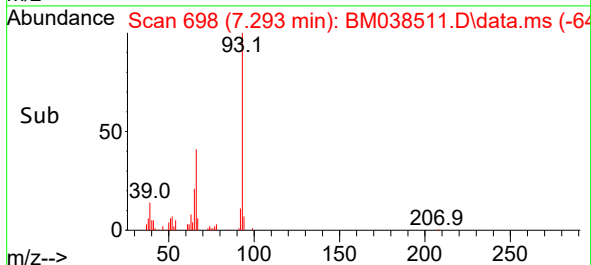
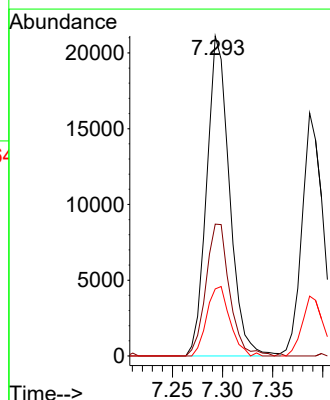
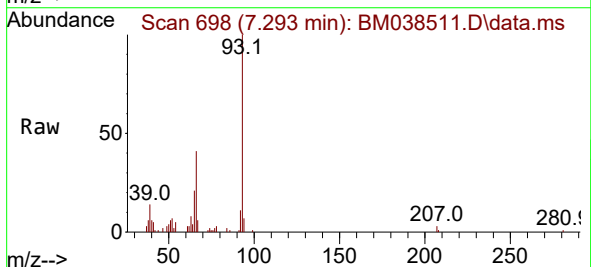
Instrument :
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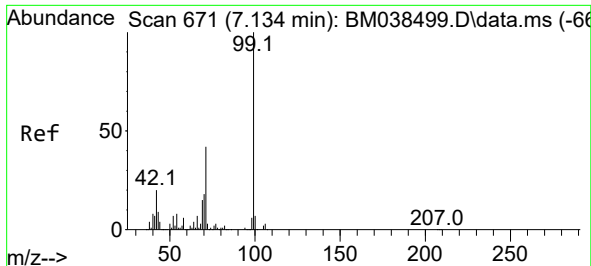
Tgt Ion:112 Resp: 457109
Ion Ratio Lower Upper
112 100
64 56.2 47.3 70.9
63 33.8 28.8 43.2



#6
Aniline
Concen: 7.062 ng
RT: 7.293 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 93 Resp: 33372
Ion Ratio Lower Upper
93 100
66 41.2 31.6 47.4
65 20.9 16.6 24.8

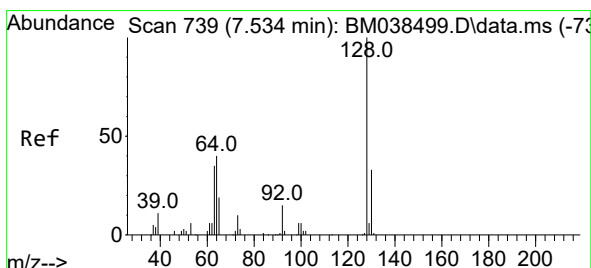
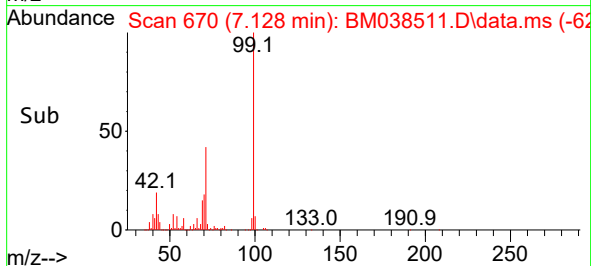
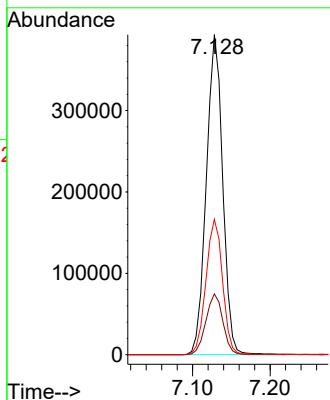
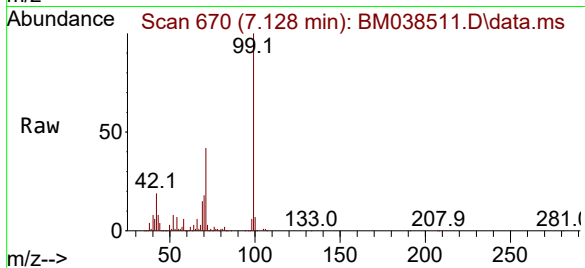




#7
Phenol-d6
Concen: 151.864 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

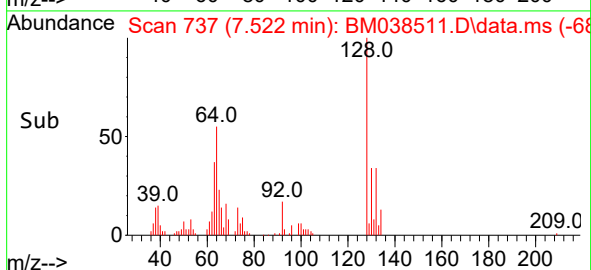
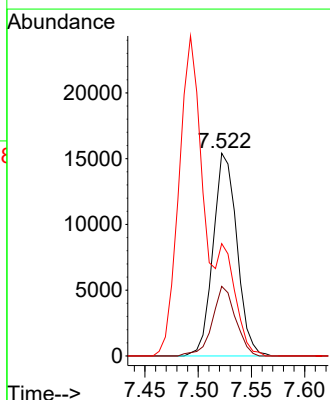
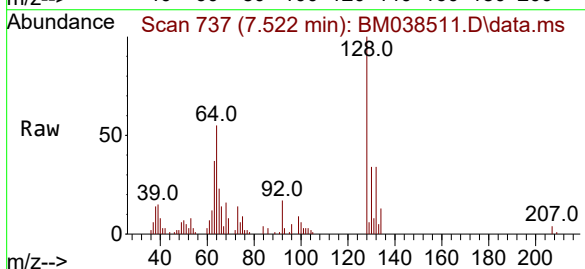
Instrument :
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LOQ-SOIL-02-QT4-2022

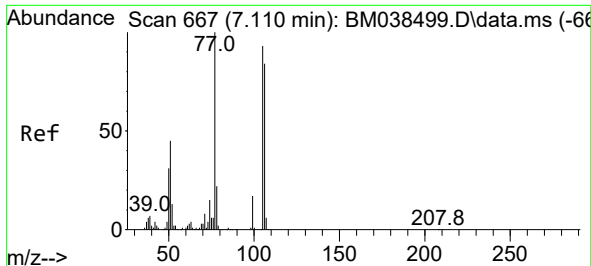
Tgt Ion: 99 Resp: 578177
Ion Ratio Lower Upper
99 100
42 19.0 16.0 24.0
71 42.3 33.8 50.6



#8
2-Chlorophenol
Concen: 7.854 ng
RT: 7.522 min Scan# 737
Delta R.T. -0.011 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 128 Resp: 23940
Ion Ratio Lower Upper
128 100
130 34.3 13.2 53.2
64 55.4 27.7 67.7

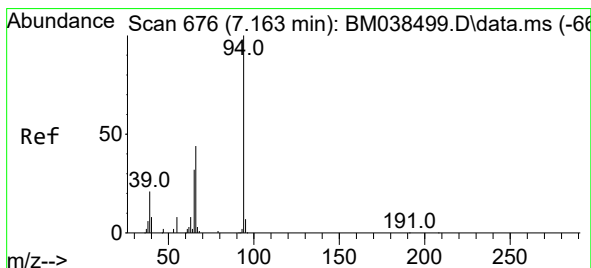
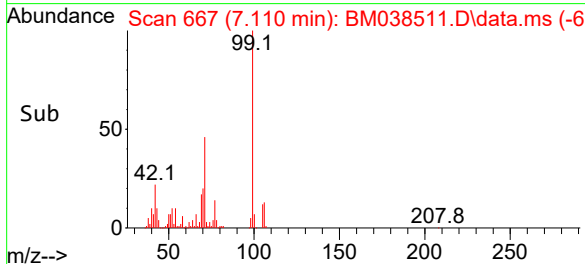
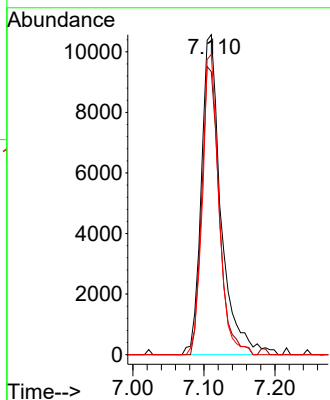
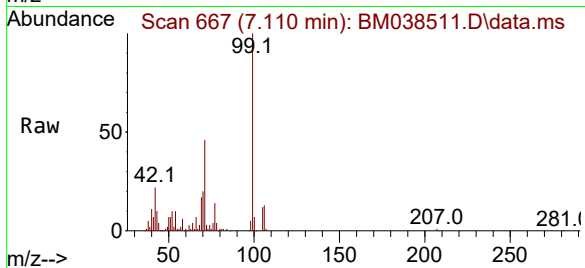




#9
Benzaldehyde
Concen: 9.055 ng
RT: 7.110 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

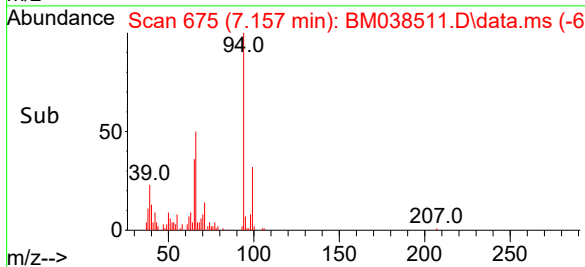
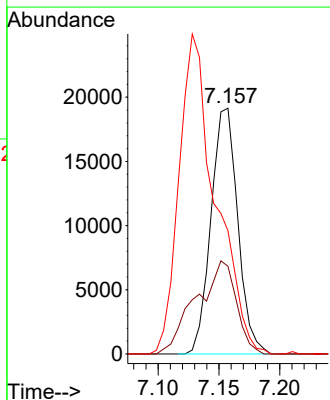
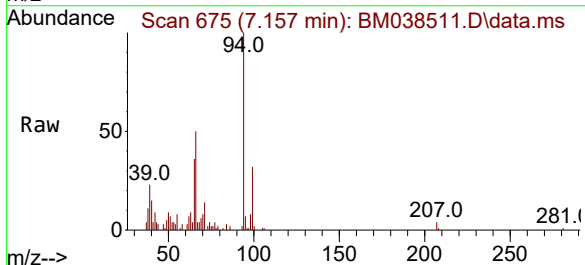
Instrument :
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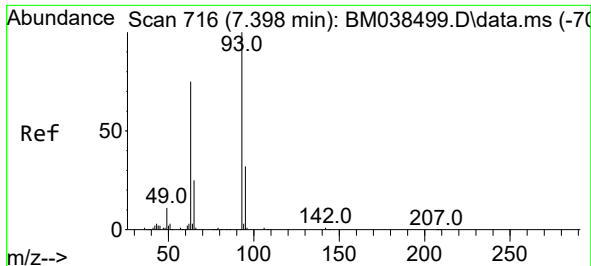
Tgt Ion: 77 Resp: 20449
Ion Ratio Lower Upper
77 100
105 88.4 72.9 112.9
106 93.9 63.8 103.8



#10
Phenol
Concen: 7.717 ng
RT: 7.157 min Scan# 675
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 94 Resp: 29358
Ion Ratio Lower Upper
94 100
65 35.7 12.7 52.7
66 50.1 26.0 66.0

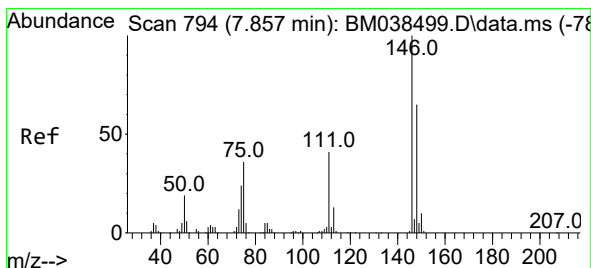
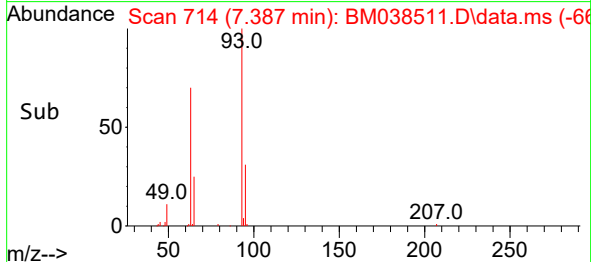
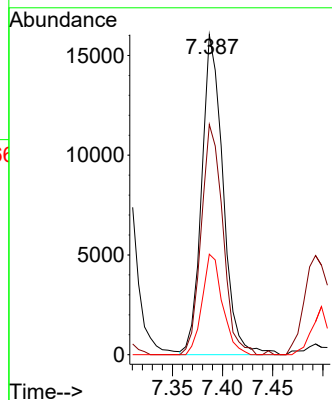
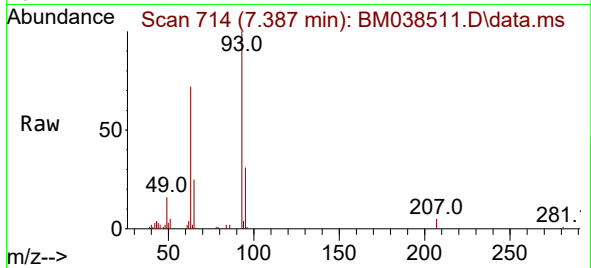




#11
bis(2-Chloroethyl)ether
Concen: 7.933 ng
RT: 7.387 min Scan# 716
Delta R.T. -0.011 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

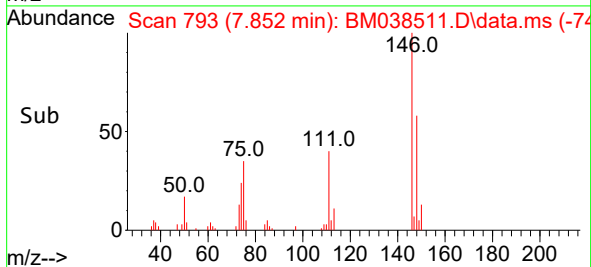
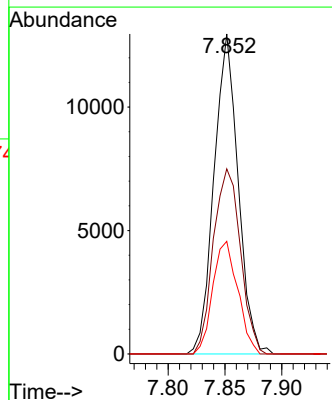
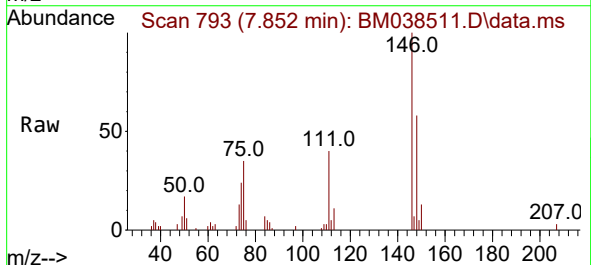
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

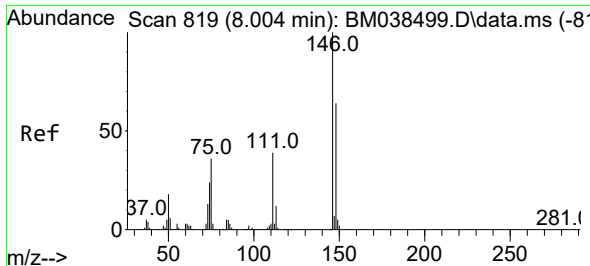
Tgt Ion: 93 Resp: 23812
Ion Ratio Lower Upper
93 100
63 71.9 54.4 94.4
95 31.4 11.4 51.4



#12
1,3-Dichlorobenzene
Concen: 5.518 ng
RT: 7.852 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:146 Resp: 19122
Ion Ratio Lower Upper
146 100
148 57.9 52.1 78.1
75 35.2 28.7 43.1

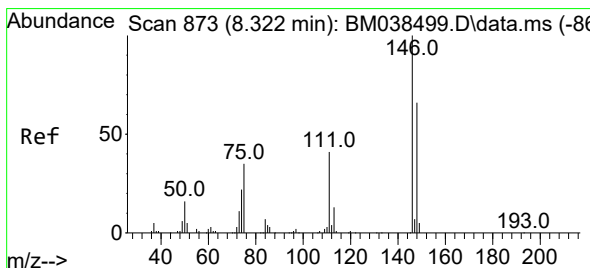
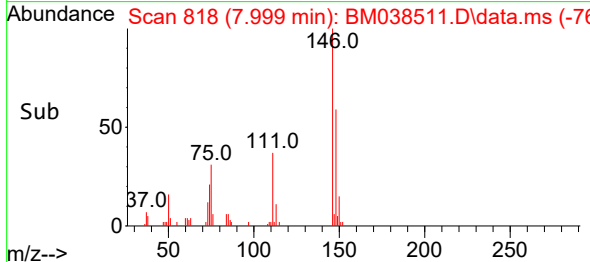
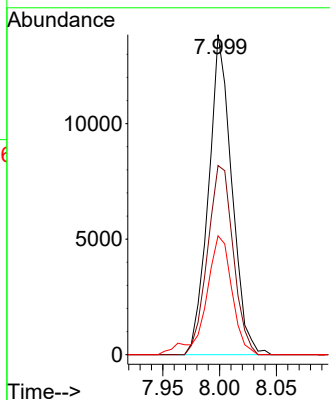
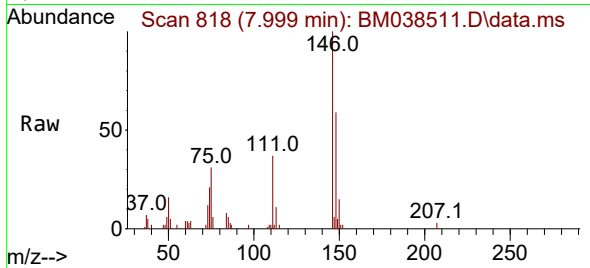




#13
1,4-Dichlorobenzene
Concen: 5.636 ng
RT: 7.999 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

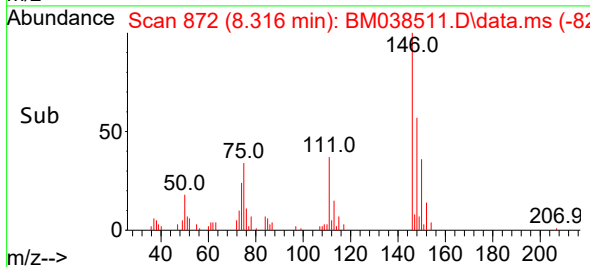
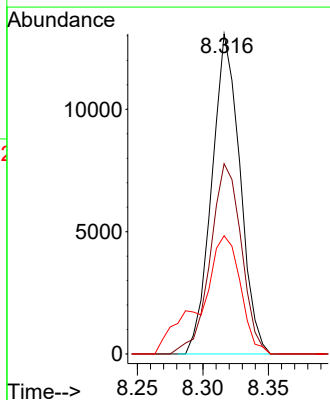
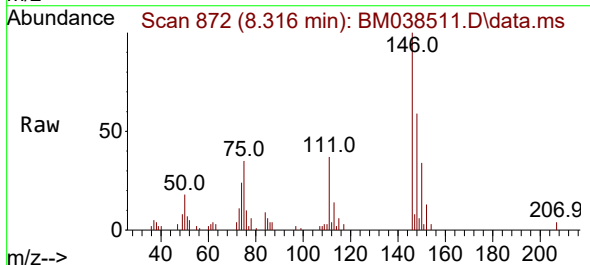
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

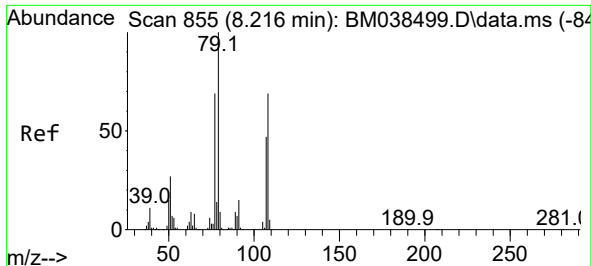
Tgt Ion:146 Resp: 19734
Ion Ratio Lower Upper
146 100
148 59.1 51.3 76.9
111 37.1 31.4 47.0



#14
1,2-Dichlorobenzene
Concen: 5.761 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:146 Resp: 19539
Ion Ratio Lower Upper
146 100
148 59.4 52.7 79.1
111 37.0 33.2 49.8

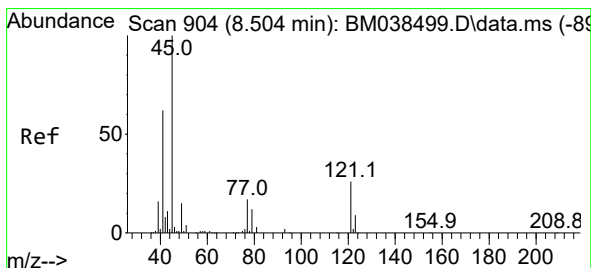
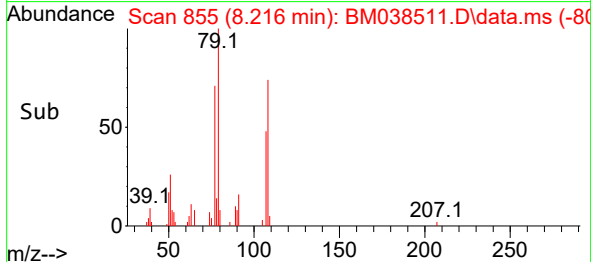
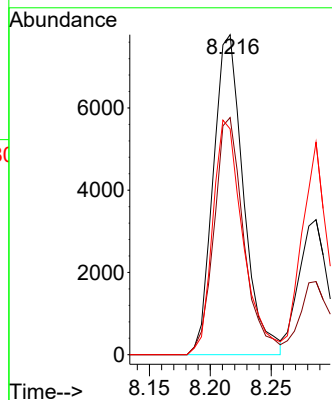
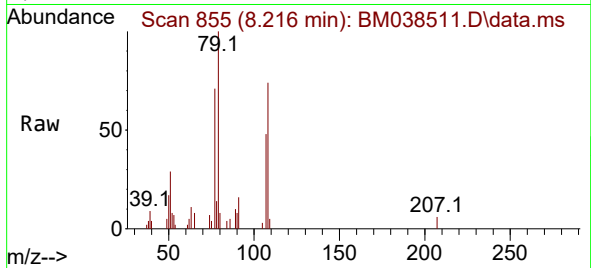




#15
Benzyl Alcohol
Concen: 4.719 ng
RT: 8.216 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

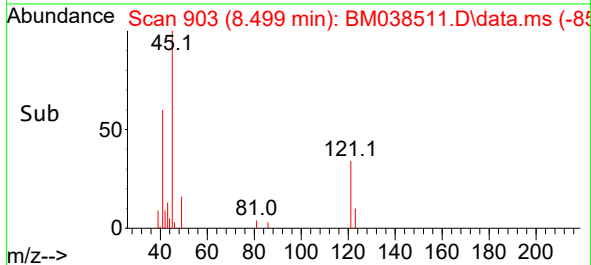
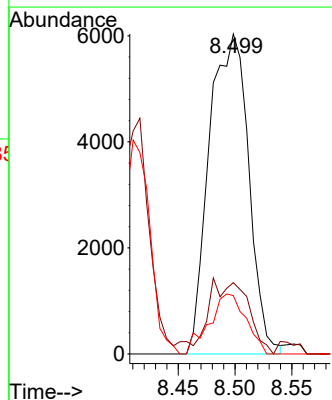
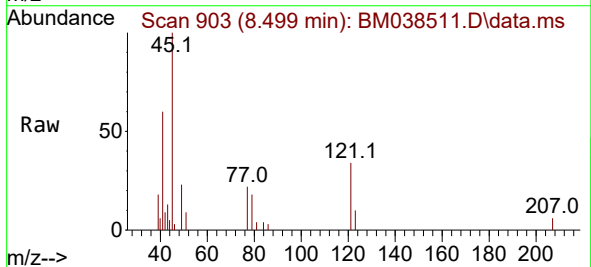
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

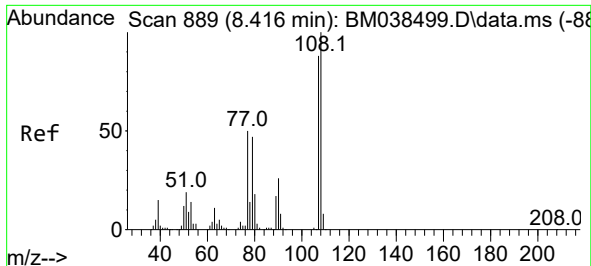
Tgt Ion: 79 Resp: 13432
Ion Ratio Lower Upper
79 100
108 74.1 55.0 82.6
77 70.6 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.614 ng
RT: 8.499 min Scan# 903
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 45 Resp: 14544
Ion Ratio Lower Upper
45 100
77 22.3 0.0 39.2
79 18.3 0.0 34.9

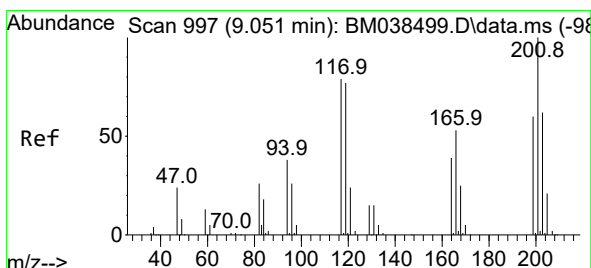
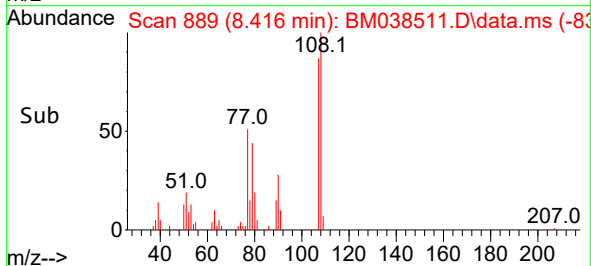
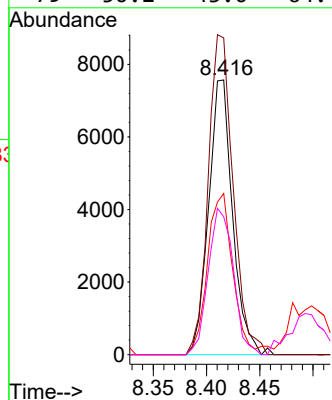
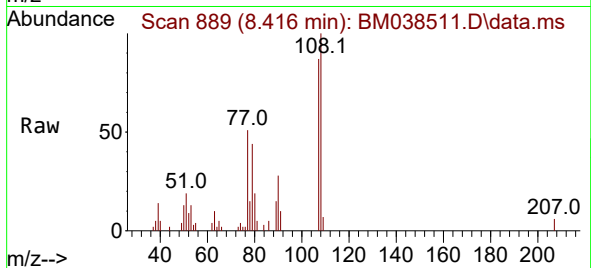




#17
2-Methylphenol
Concen: 4.412 ng
RT: 8.416 min Scan# 889
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

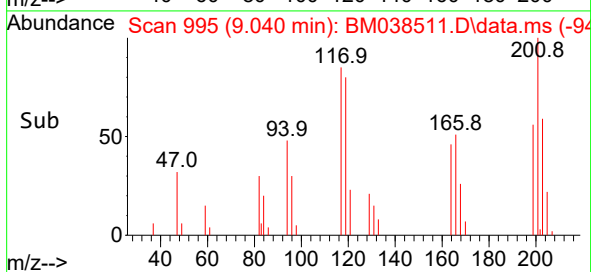
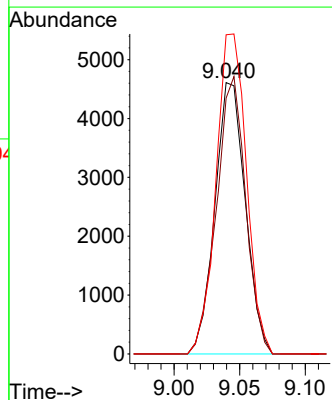
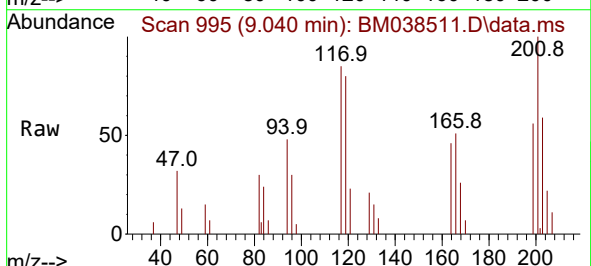
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

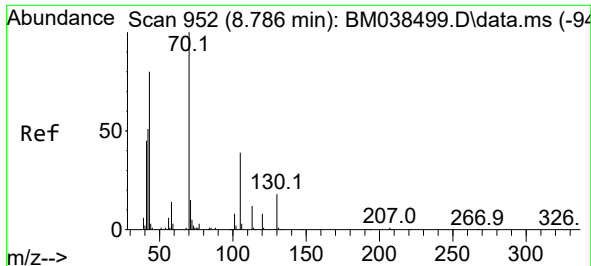
Tgt Ion:	107	Resp:	11879
Ion	Ratio	Lower	Upper
107	100		
108	115.3	90.8	136.2
77	58.7	46.1	69.1
79	50.2	43.0	64.4



#18
Hexachloroethane
Concen: 5.724 ng
RT: 9.040 min Scan# 995
Delta R.T. -0.011 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:	117	Resp:	7451
Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.9	116.9
201	117.6	100.6	151.0

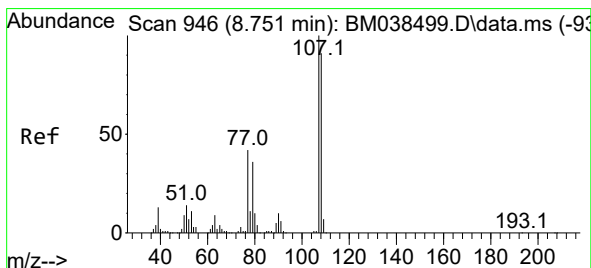
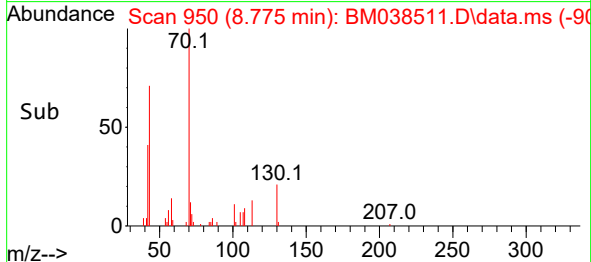
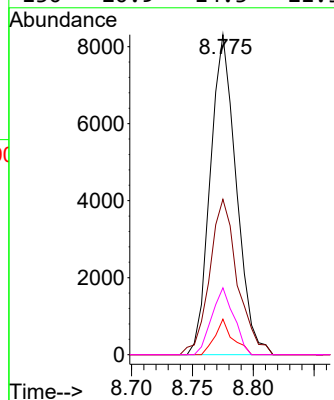
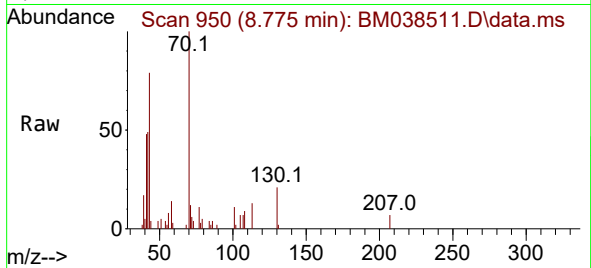




#19
n-Nitroso-di-n-propylamine
Concen: 4.590 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

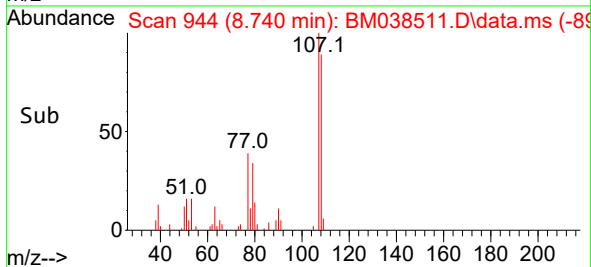
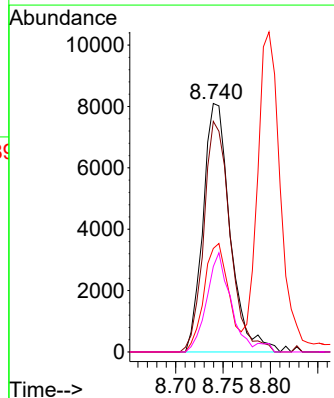
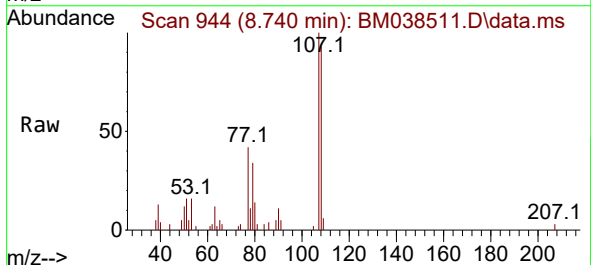
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

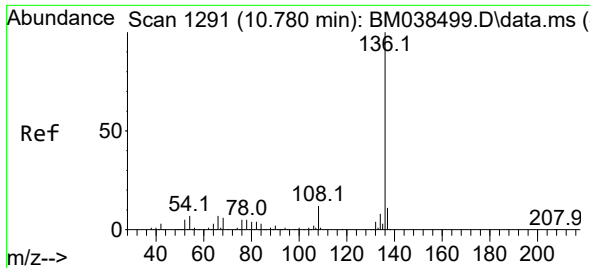
Tgt Ion: 70	Resp: 12329
Ion Ratio	Lower Upper
70 100	
42 48.5	41.4 62.2
101 11.1	6.5 9.7#
130 20.9	14.3 21.5



#20
3+4-Methylphenols
Concen: 4.467 ng
RT: 8.740 min Scan# 944
Delta R.T. -0.011 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:107	Resp: 16119
Ion Ratio	Lower Upper
107 100	
108 92.8	70.7 110.7
77 41.7	22.0 62.0
79 34.4	15.8 55.8

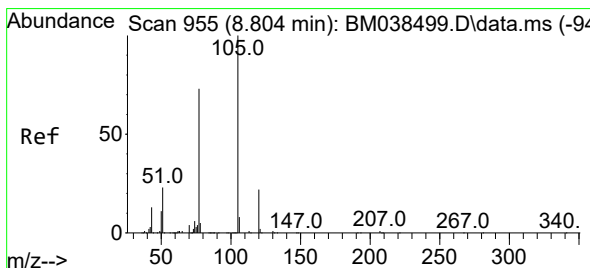
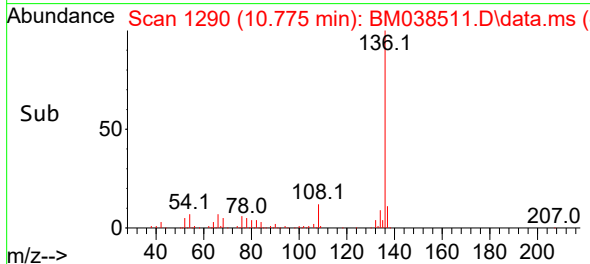
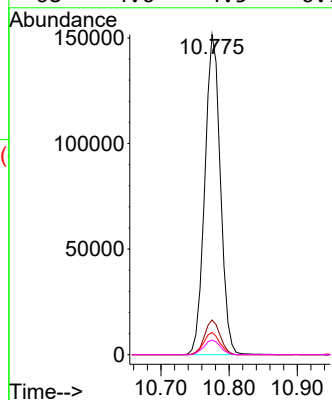
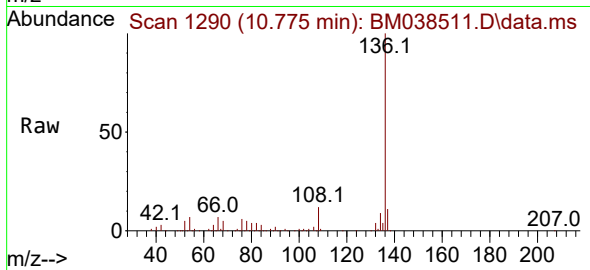




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

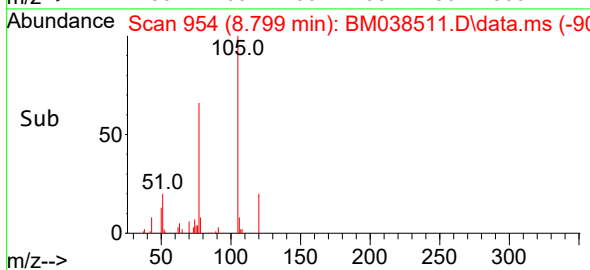
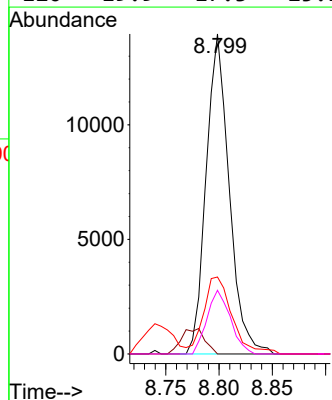
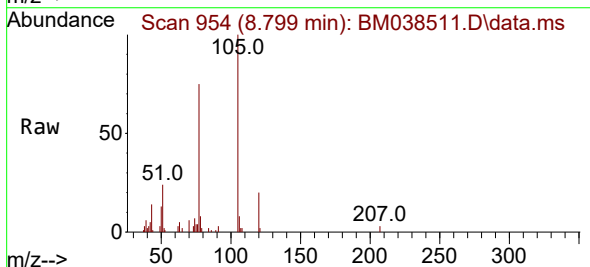
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

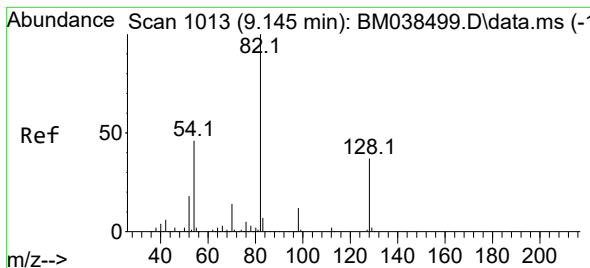
Tgt Ion:136 Resp: 240465
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.9 6.0 9.0
68 4.6 4.5 6.7



#22
Acetophenone
Concen: 3.179 ng
RT: 8.799 min Scan# 954
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:105 Resp: 21057
Ion Ratio Lower Upper
105 100
71 0.0 0.9 1.3#
51 24.0 21.8 32.8
120 19.9 17.3 25.9





#23

Nitrobenzene-d5

Concen: 47.976 ng

RT: 9.140 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

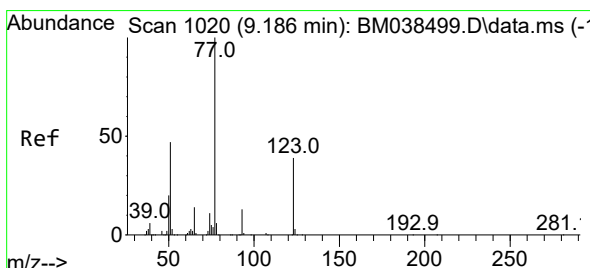
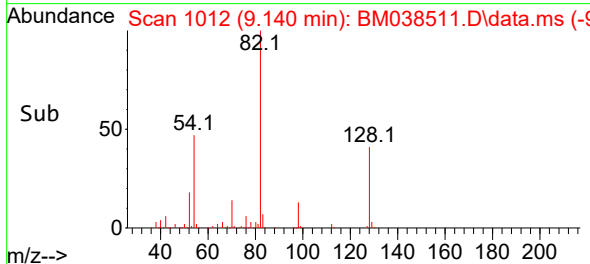
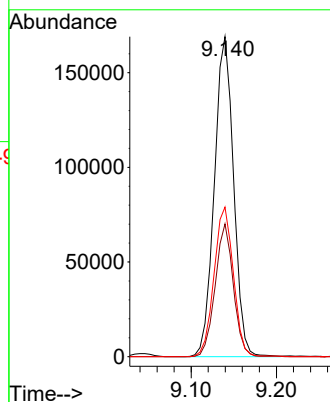
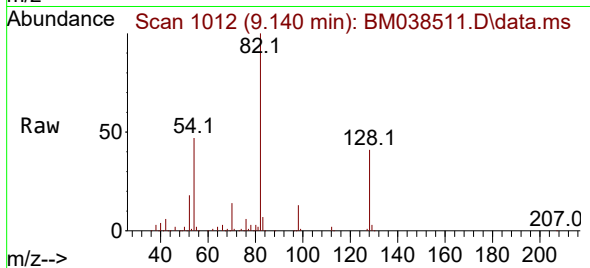
Tgt Ion: 82 Resp: 265666

Ion Ratio Lower Upper

82 100

128 41.5 29.3 43.9

54 46.8 36.9 55.3



#24

Nitrobenzene

Concen: 3.533 ng

RT: 9.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

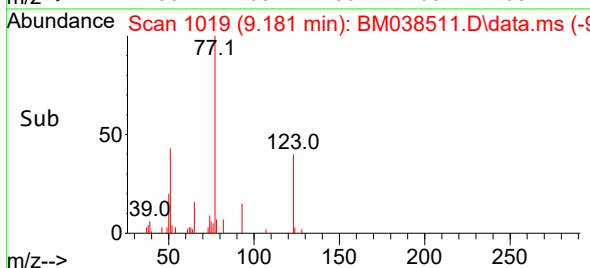
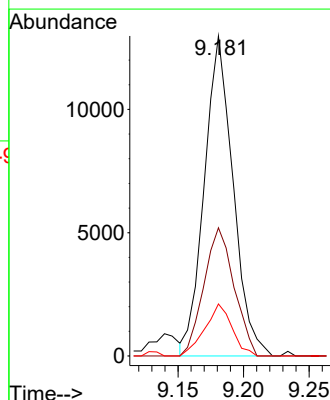
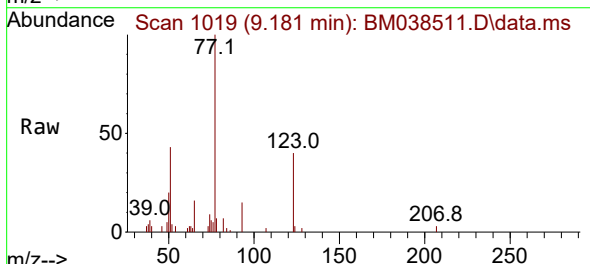
Tgt Ion: 77 Resp: 19793

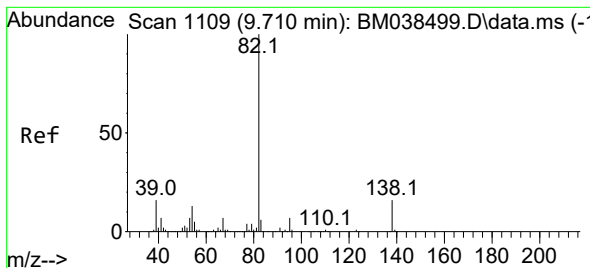
Ion Ratio Lower Upper

77 100

123 40.1 31.5 47.3

65 16.2 11.2 16.8





#25

Isophorone

Concen: 3.746 ng

RT: 9.704 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

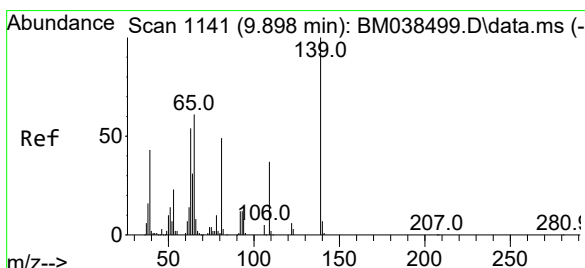
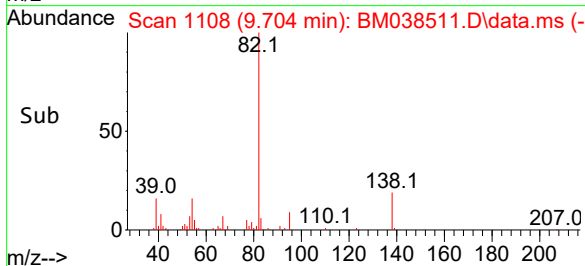
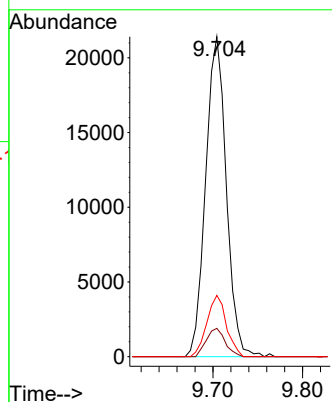
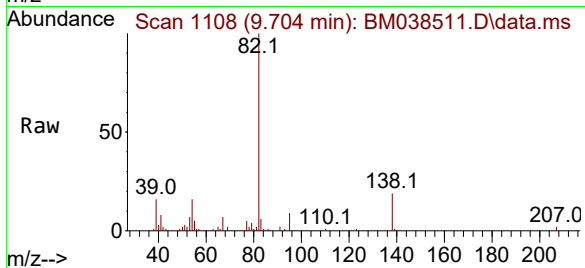
Tgt Ion: 82 Resp: 34231

Ion Ratio Lower Upper

82 100

95 8.9 5.6 8.4#

138 19.2 13.2 19.8



#26

2-Nitrophenol

Concen: 4.375 ng

RT: 9.898 min Scan# 1141

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

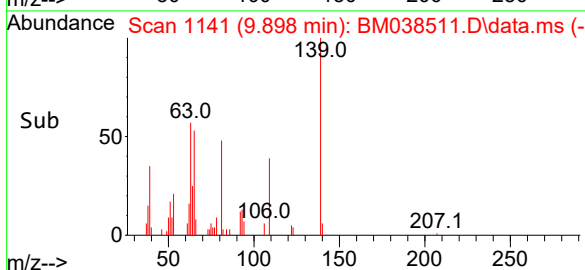
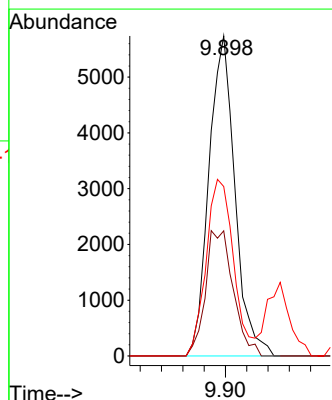
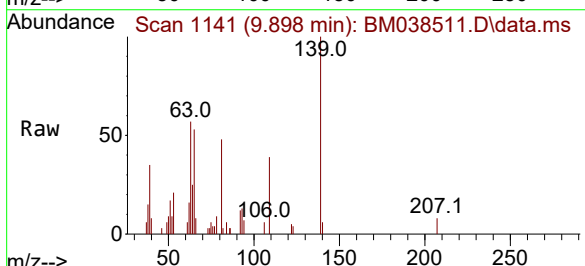
Tgt Ion: 139 Resp: 9731

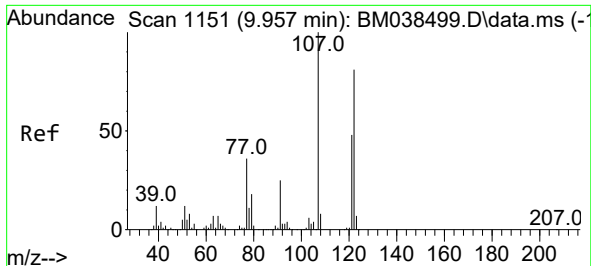
Ion Ratio Lower Upper

139 100

109 39.1 29.3 43.9

65 53.0 48.6 72.8

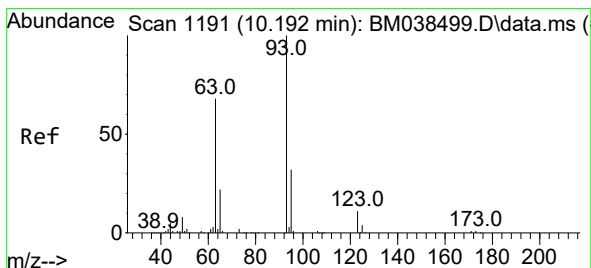
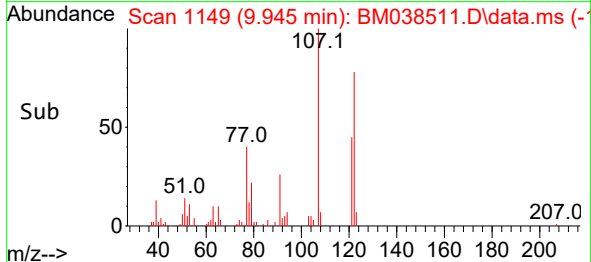
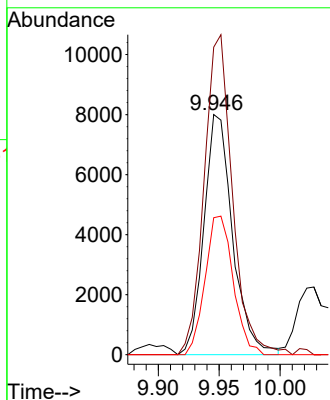
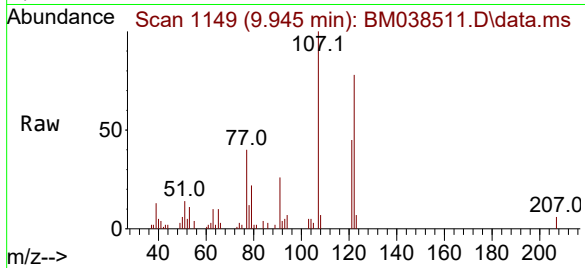




#27
2,4-Dimethylphenol
Concen: 3.548 ng
RT: 9.945 min Scan# 1151
Delta R.T. -0.011 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

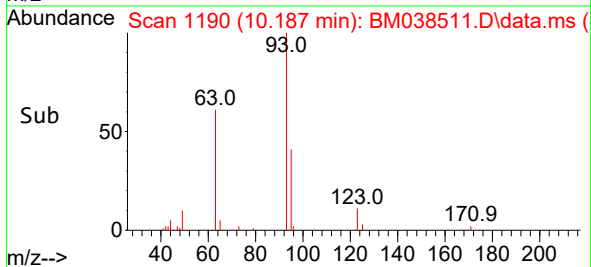
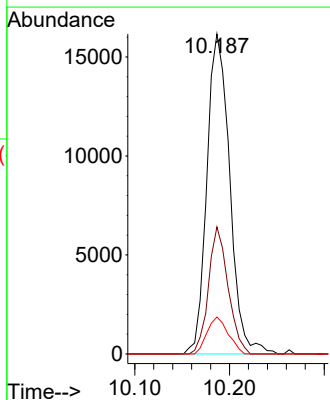
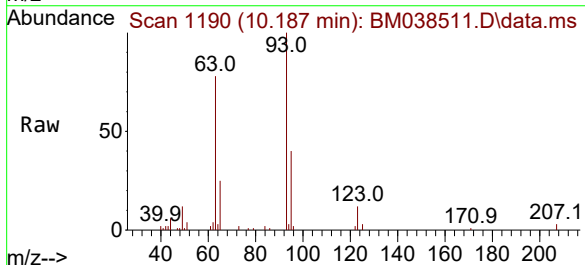
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

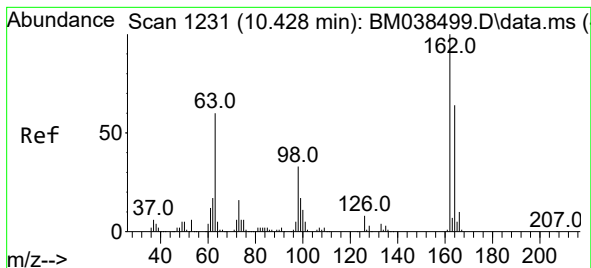
Tgt Ion:122 Resp: 13131
Ion Ratio Lower Upper
122 100
107 128.0 98.2 147.2
121 57.0 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 5.059 ng
RT: 10.187 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 93 Resp: 27043
Ion Ratio Lower Upper
93 100
95 39.7 25.3 37.9#
123 11.6 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 4.794 ng

RT: 10.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

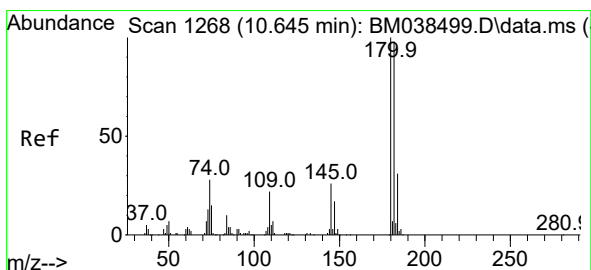
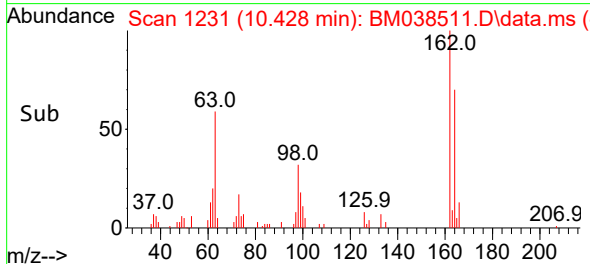
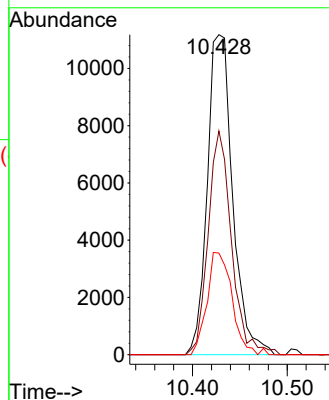
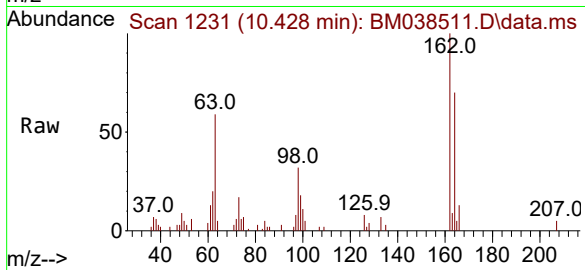
Tgt Ion:162 Resp: 20815

Ion Ratio Lower Upper

162 100

164 69.9 43.7 83.7

98 31.8 12.9 52.9



#30

1,2,4-Trichlorobenzene

Concen: 5.968 ng

RT: 10.640 min Scan# 1267

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

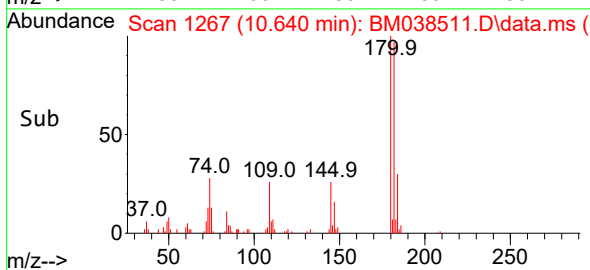
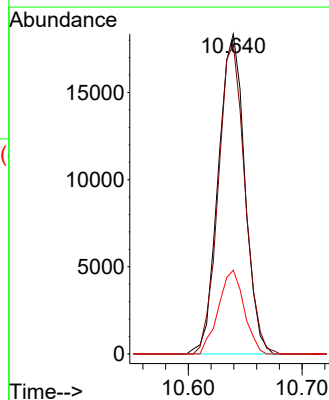
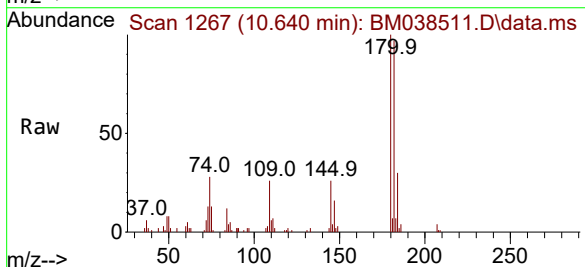
Tgt Ion:180 Resp: 29636

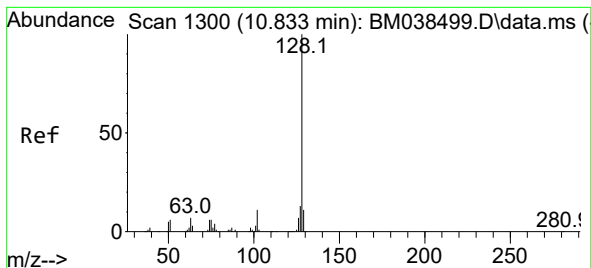
Ion Ratio Lower Upper

180 100

182 96.9 78.3 117.5

145 26.2 21.0 31.6





#31

Naphthalene

Concen: 5.067 ng

RT: 10.828 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

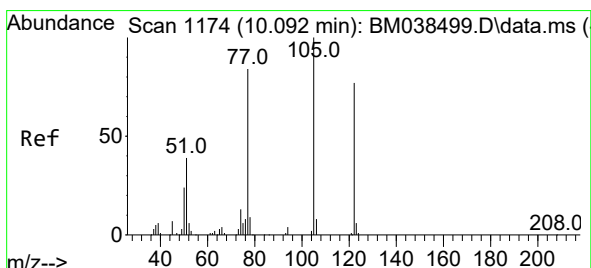
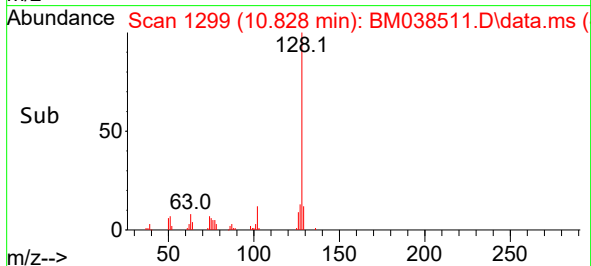
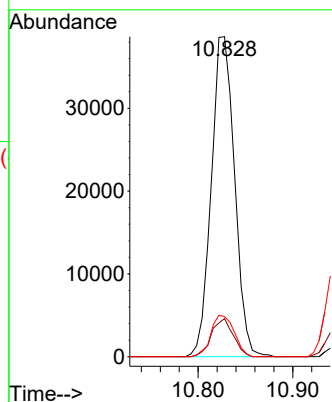
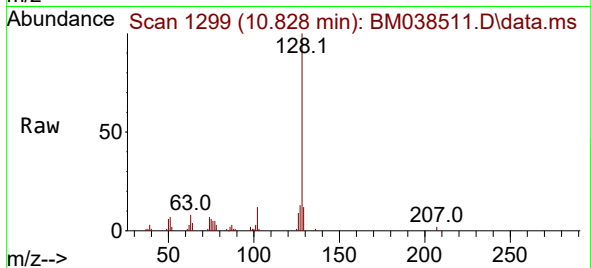
Tgt Ion:128 Resp: 66192

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

127 12.6 10.3 15.5



#32

Benzoic acid

Concen: 7.029 ng

RT: 10.028 min Scan# 1163

Delta R.T. -0.064 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

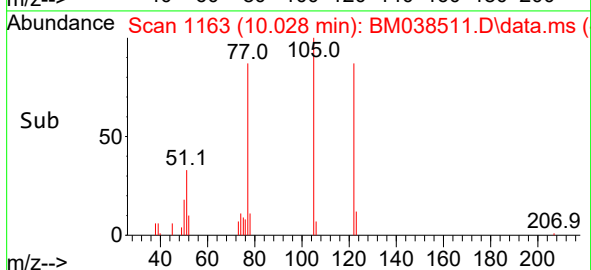
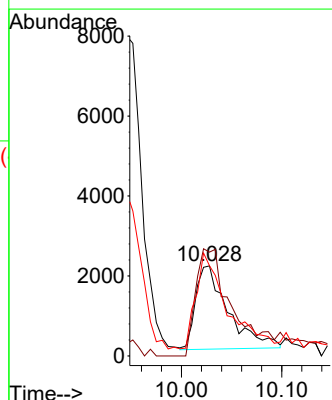
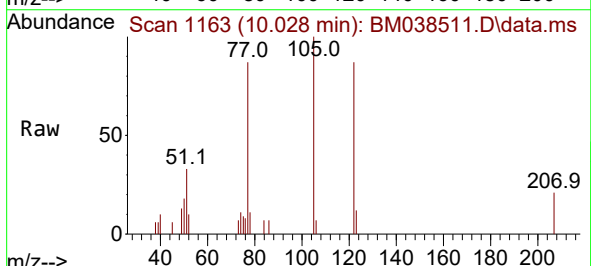
Tgt Ion:122 Resp: 4724

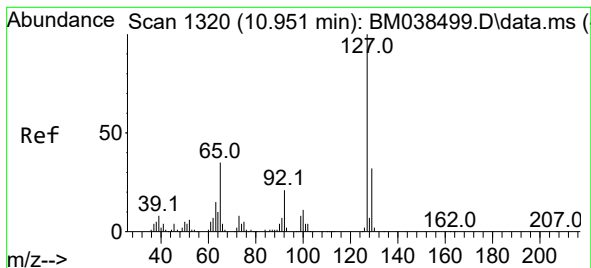
Ion Ratio Lower Upper

122 100

105 115.3 107.9 147.9

77 100.1 88.6 128.6





#33

4-Chloroaniline

Concen: 4.630 ng

RT: 10.945 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:127 Resp: 25247

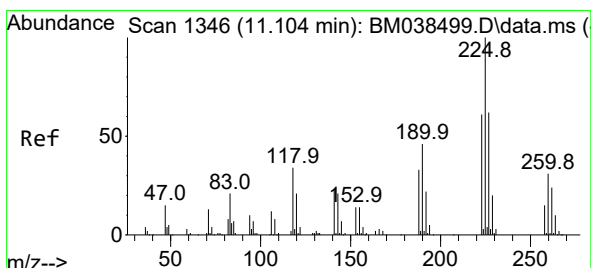
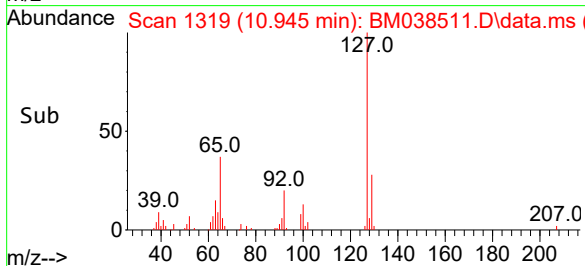
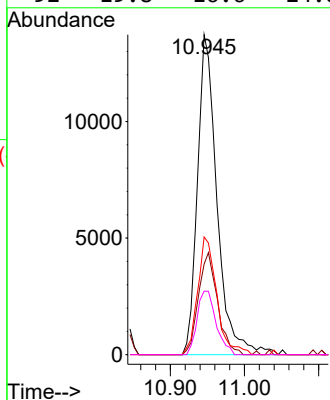
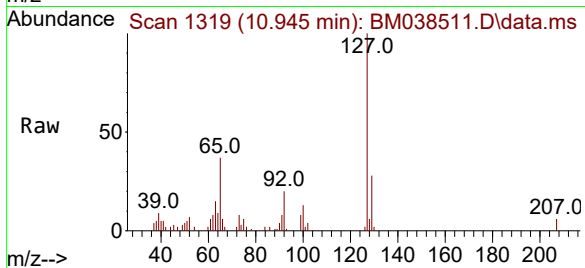
Ion Ratio Lower Upper

127 100

129 28.3 25.8 38.6

65 36.8 28.2 42.2

92 19.8 16.6 24.8



#34

Hexachlorobutadiene

Concen: 5.503 ng

RT: 11.098 min Scan# 1345

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

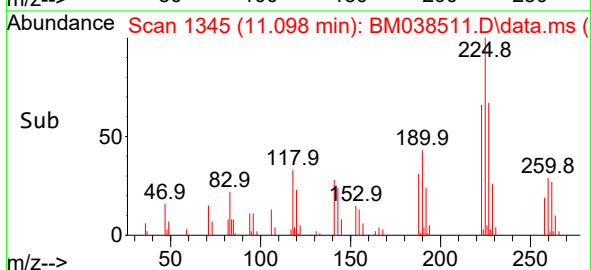
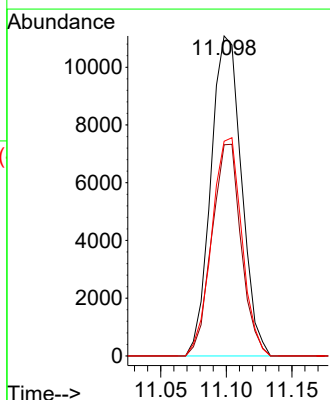
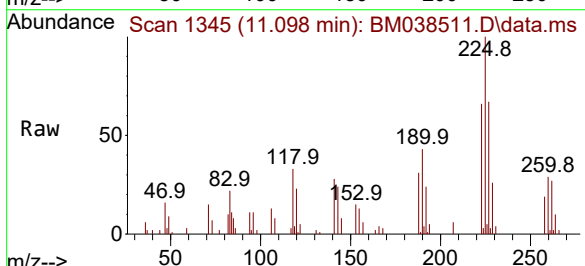
Tgt Ion:225 Resp: 17975

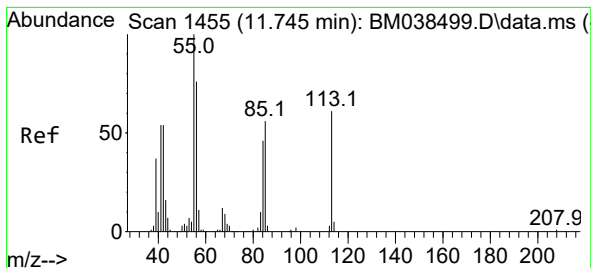
Ion Ratio Lower Upper

225 100

223 66.0 48.8 73.2

227 70.2 49.4 74.0





#35

Caprolactam

Concen: 2.974 ng

RT: 11.728 min Scan# 1452

Delta R.T. -0.017 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

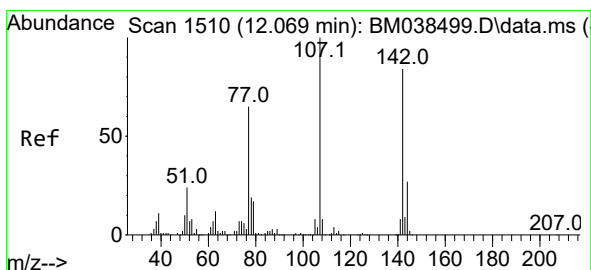
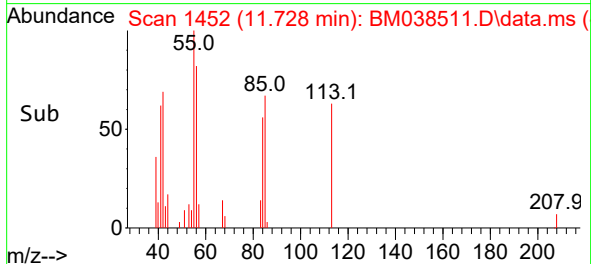
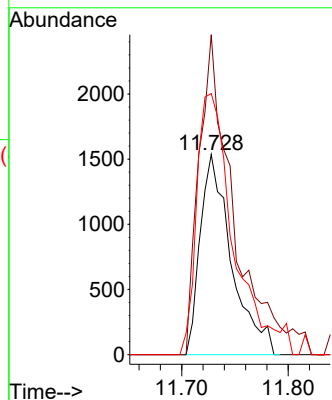
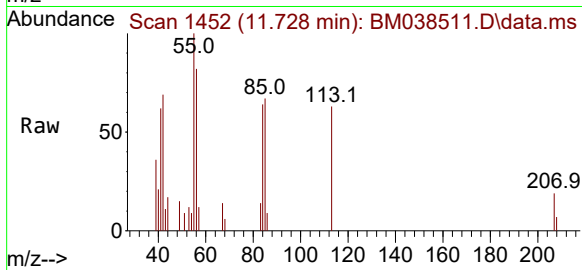
Tgt Ion:113 Resp: 3131

Ion Ratio Lower Upper

113 100

55 159.9 145.0 185.0

56 130.5 105.7 145.7



#36

4-Chloro-3-methylphenol

Concen: 4.678 ng

RT: 12.063 min Scan# 1509

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

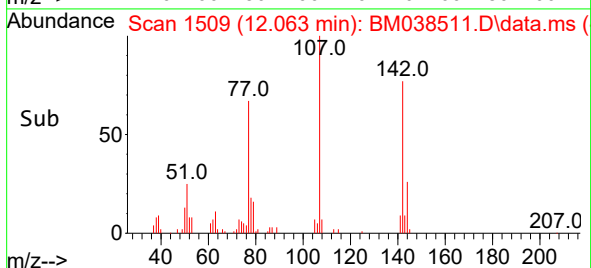
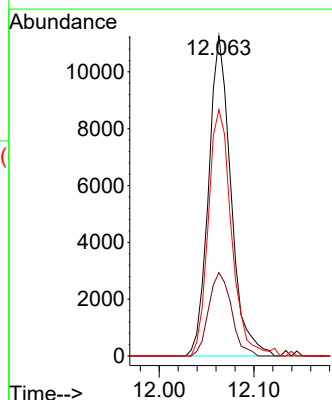
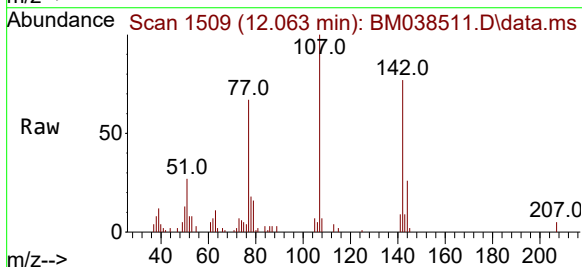
Tgt Ion:107 Resp: 18473

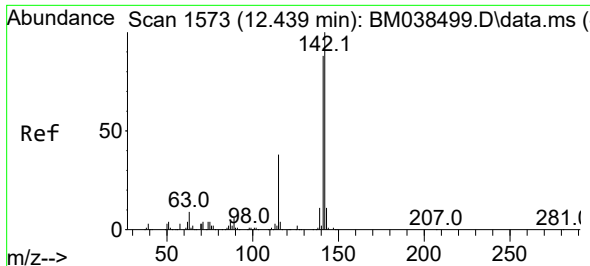
Ion Ratio Lower Upper

107 100

144 26.1 22.0 33.0

142 76.9 67.5 101.3

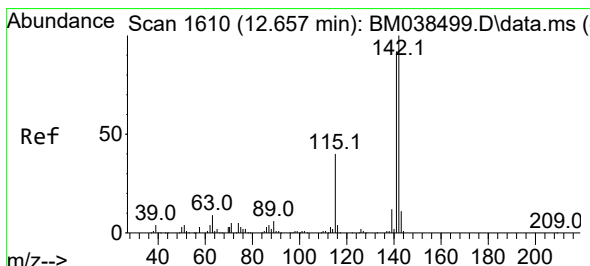
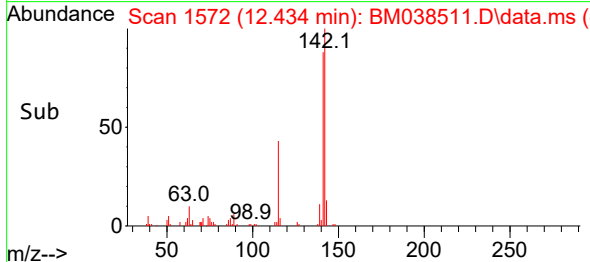
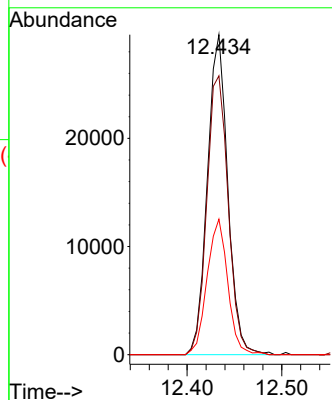
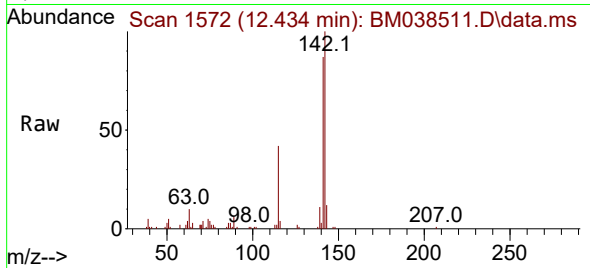




#37
2-Methylnaphthalene
Concen: 4.710 ng
RT: 12.434 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

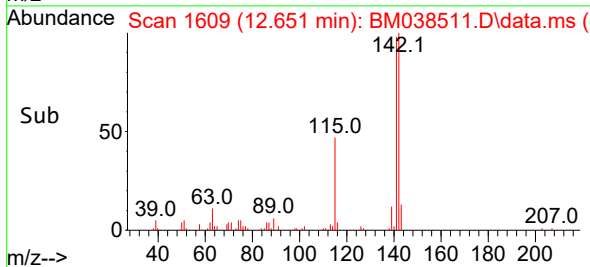
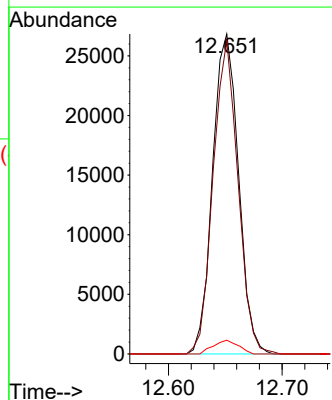
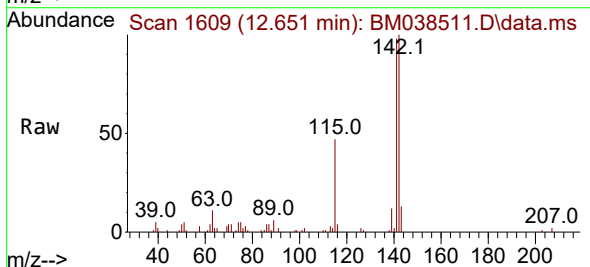
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

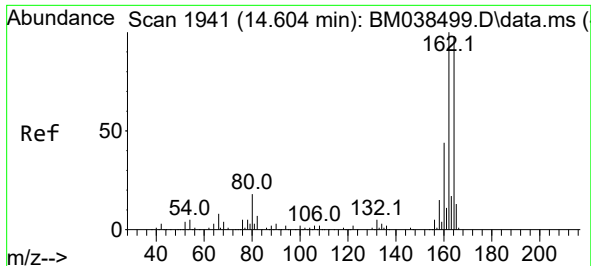
Tgt Ion:142 Resp: 44215
Ion Ratio Lower Upper
142 100
141 87.1 70.7 106.1
115 42.3 30.4 45.6



#38
1-Methylnaphthalene
Concen: 4.798 ng
RT: 12.651 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:142 Resp: 42480
Ion Ratio Lower Upper
142 100
141 98.1 73.4 110.0
116 4.3 3.3 4.9

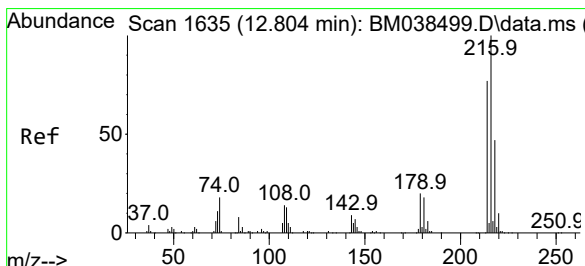
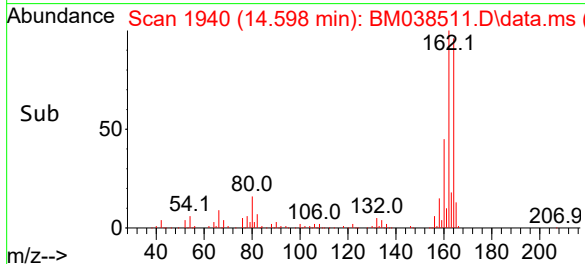
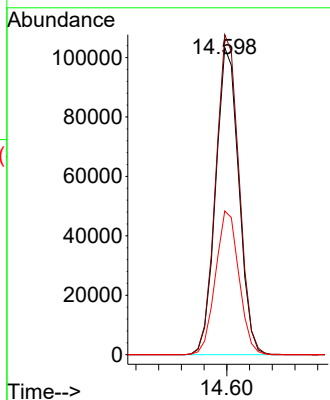
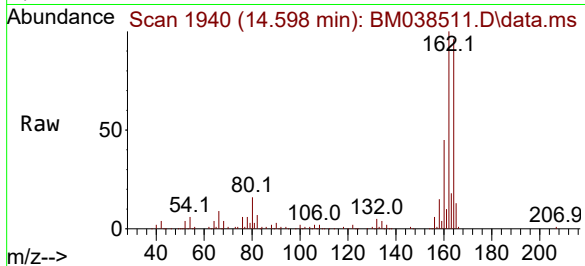




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 145981
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

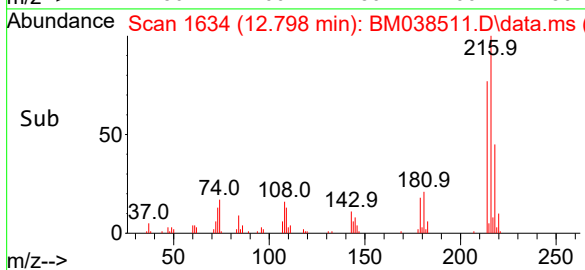
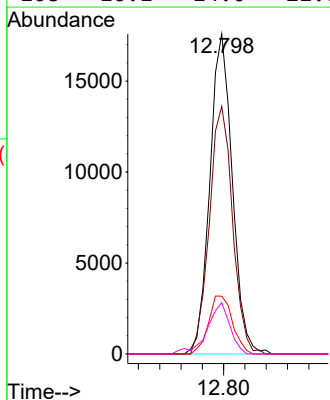
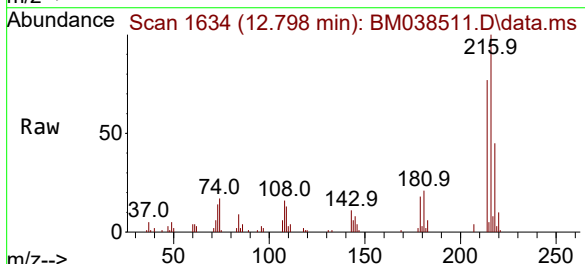
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

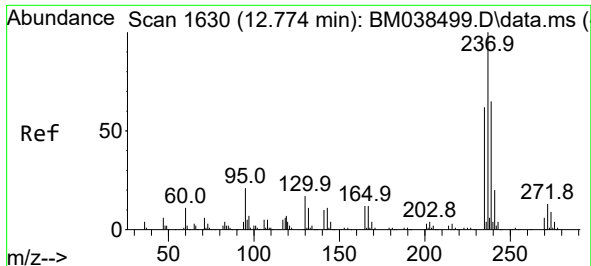
Tgt Ion:164 Resp: 145981
Ion Ratio Lower Upper
164 100
162 104.2 82.0 123.0
160 46.8 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.688 ng
RT: 12.798 min Scan# 1634
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:216 Resp: 25742
Ion Ratio Lower Upper
216 100
214 79.7 61.4 92.0
179 19.3 15.7 23.5
108 16.1 14.0 21.0

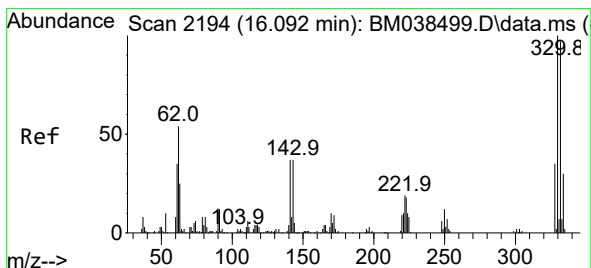
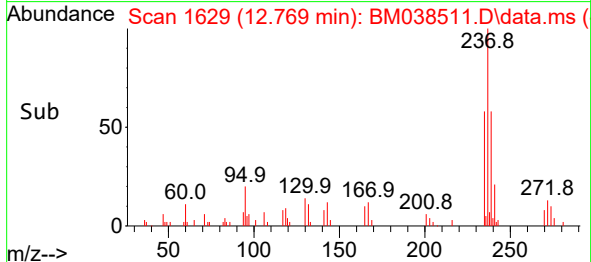
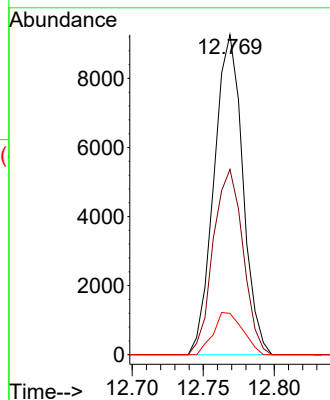
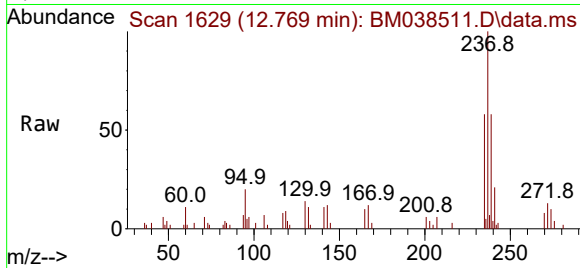




#41
Hexachlorocyclopentadiene
Concen: 4.323 ng
RT: 12.769 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

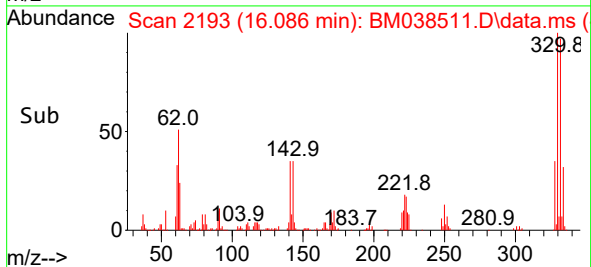
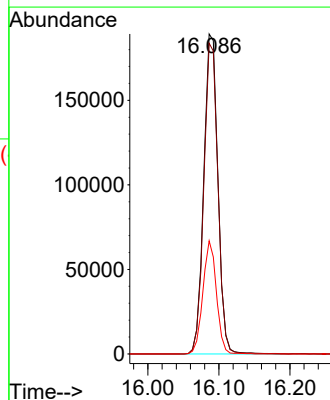
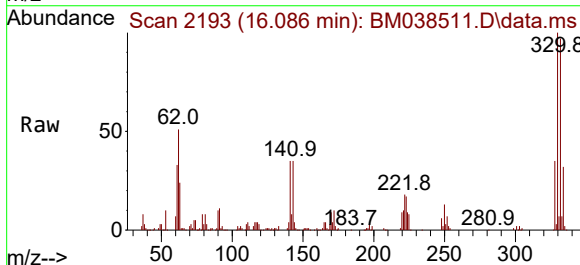
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

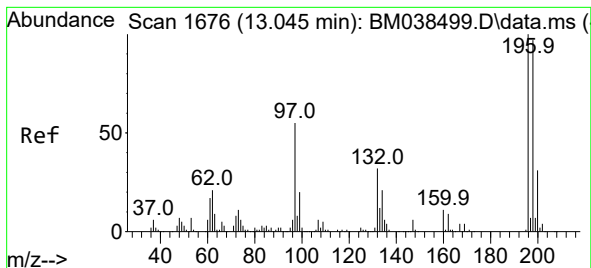
Tgt Ion:237	Resp:	13047
Ion Ratio	Lower	Upper
237	100	
235	57.9	42.3 82.3
272	12.9	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 124.792 ng
RT: 16.086 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:330	Resp:	262335
Ion Ratio	Lower	Upper
330	100	
332	96.9	77.5 116.3
141	33.9	29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 5.016 ng

RT: 13.039 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

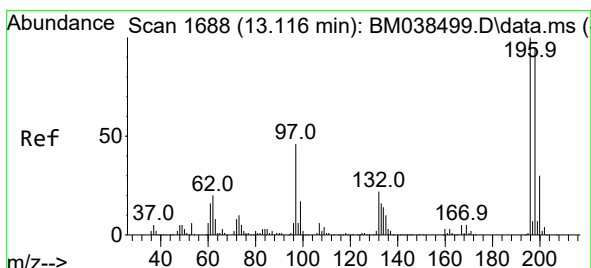
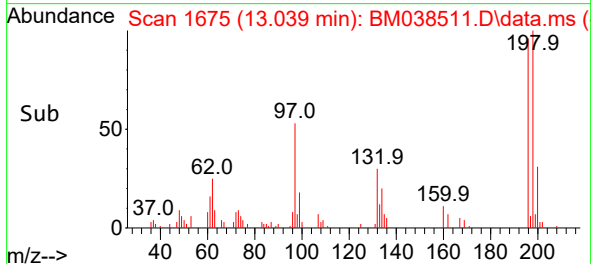
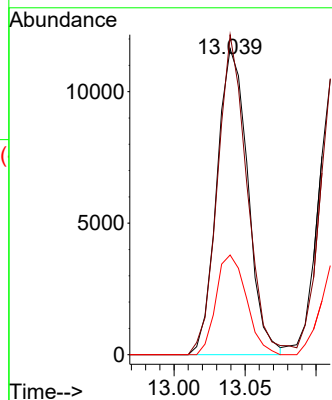
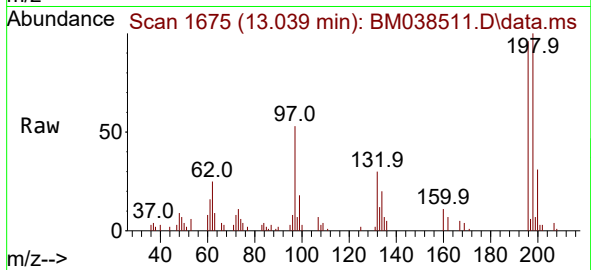
Tgt Ion:196 Resp: 17633

Ion Ratio Lower Upper

196 100

198 104.5 77.9 116.9

200 32.6 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 4.782 ng

RT: 13.116 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Tgt Ion:196 Resp: 19690

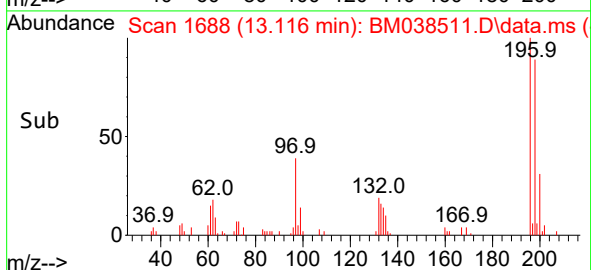
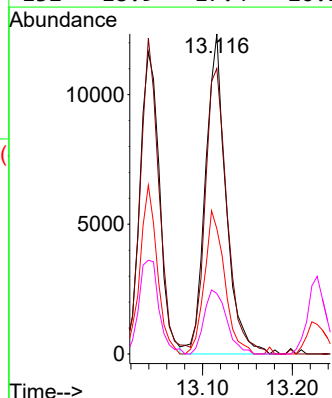
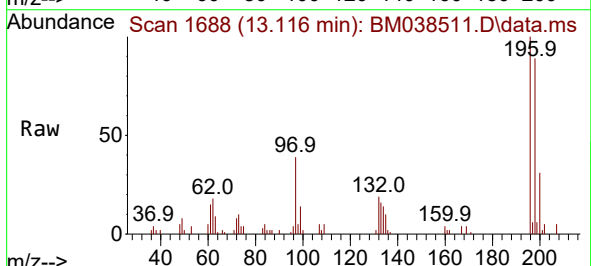
Ion Ratio Lower Upper

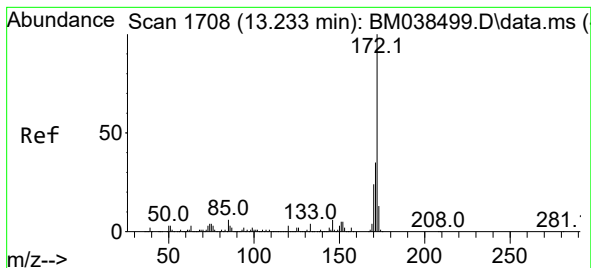
196 100

198 94.8 76.0 114.0

97 39.2 36.9 55.3

132 18.9 17.4 26.2





#45

2-Fluorobiphenyl

Concen: 72.921 ng

RT: 13.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

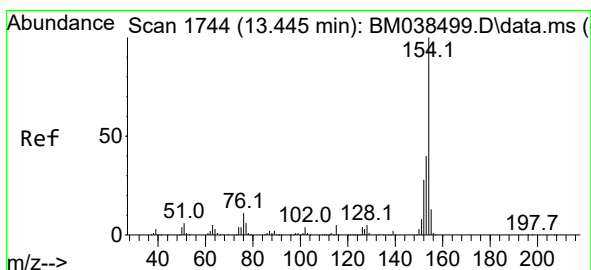
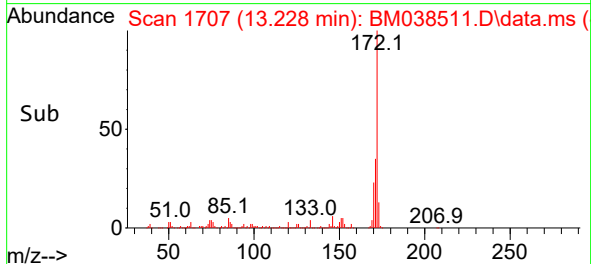
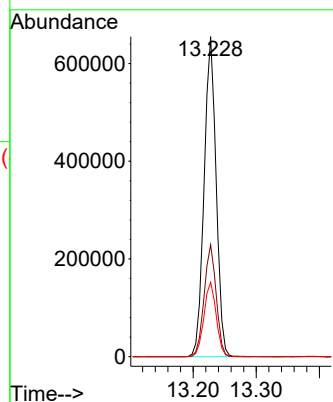
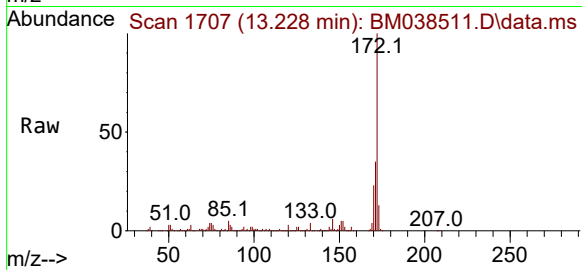
Tgt Ion:172 Resp: 864180

Ion Ratio Lower Upper

172 100

171 35.0 28.0 42.0

170 23.3 19.5 29.3



#46

1,1'-Biphenyl

Concen: 4.475 ng

RT: 13.439 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

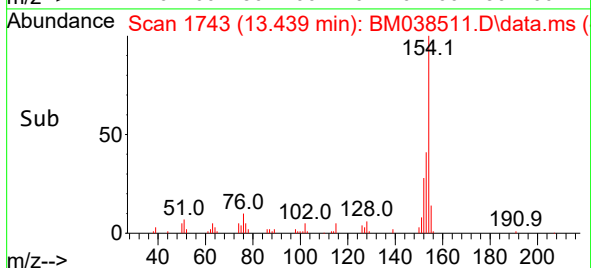
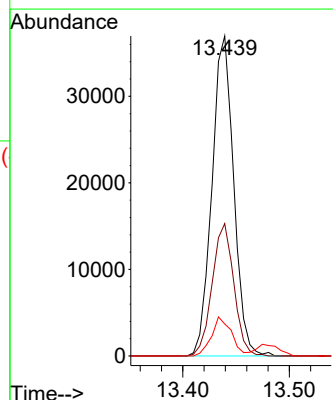
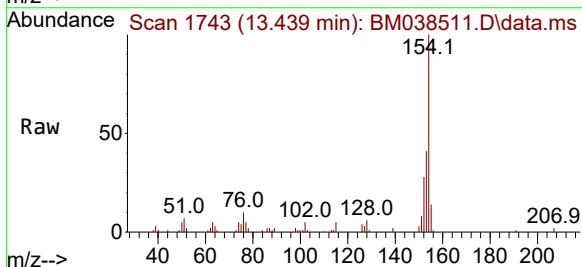
Tgt Ion:154 Resp: 52317

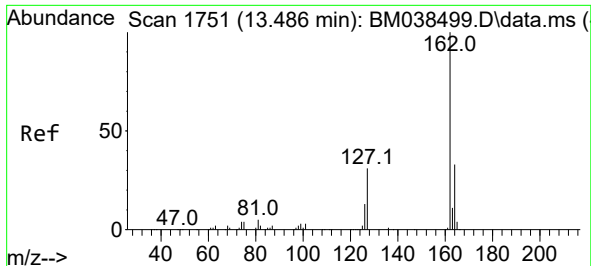
Ion Ratio Lower Upper

154 100

153 41.4 20.1 60.1

76 10.0 0.0 31.3

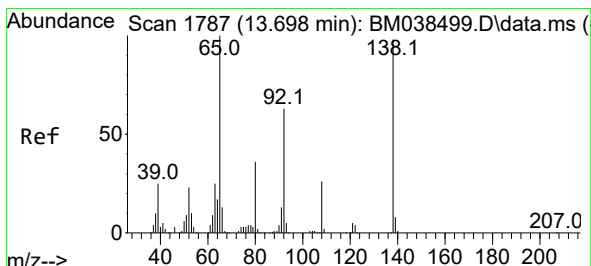
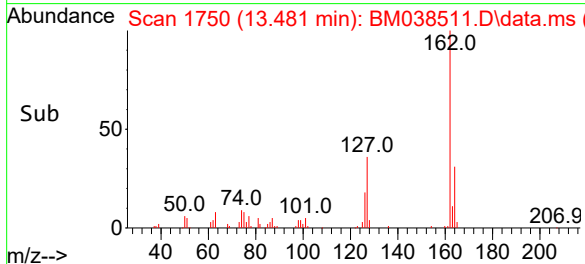
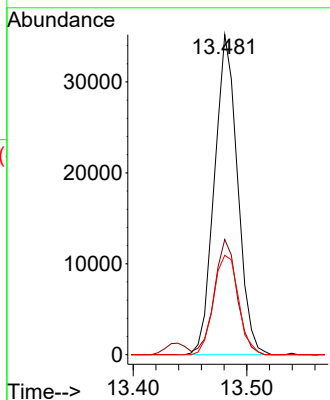
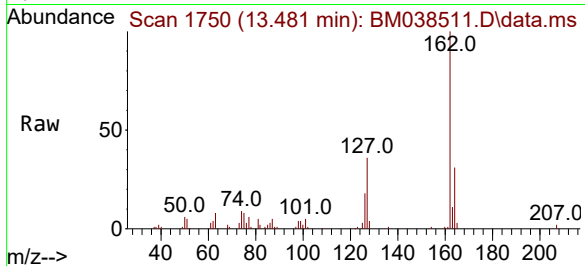




#47
2-Chloronaphthalene
Concen: 5.461 ng
RT: 13.481 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

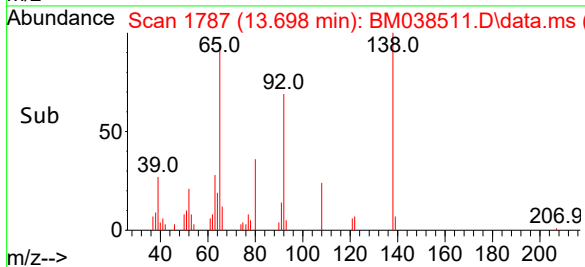
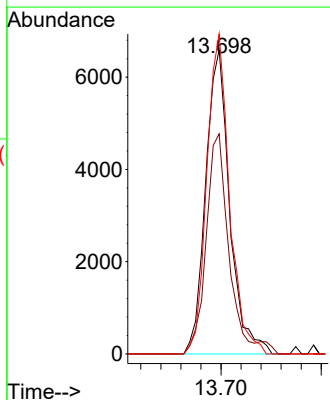
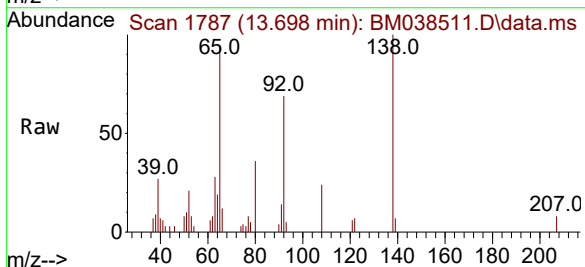
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

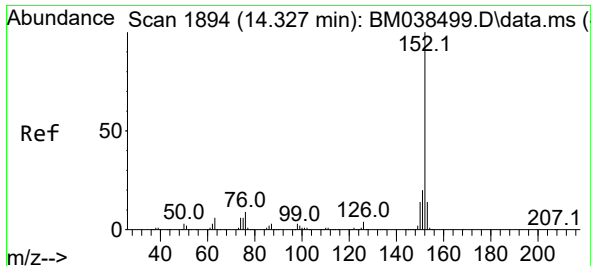
Tgt Ion:162 Resp: 49842
Ion Ratio Lower Upper
162 100
127 36.0 27.4 41.2
164 31.0 26.7 40.1



#48
2-Nitroaniline
Concen: 4.089 ng
RT: 13.698 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion: 65 Resp: 10960
Ion Ratio Lower Upper
65 100
92 72.4 50.0 75.0
138 105.2 78.2 117.2

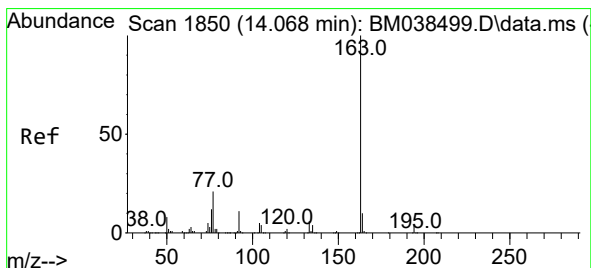
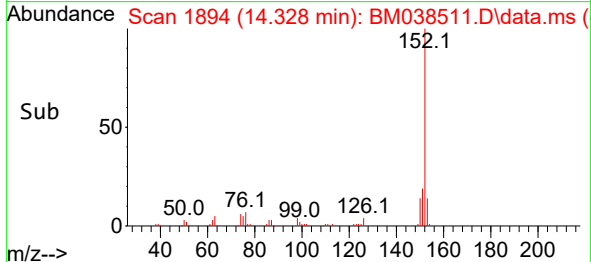
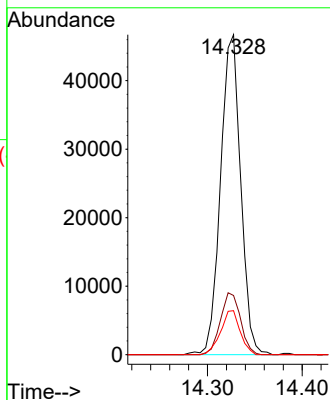
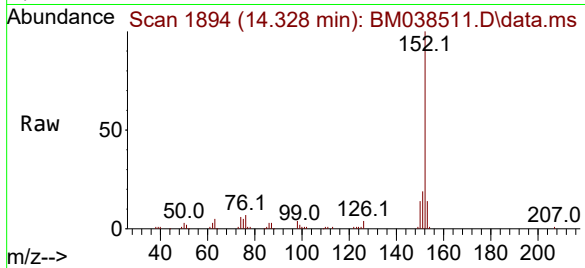




#49
Acenaphthylene
Concen: 4.842 ng
RT: 14.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

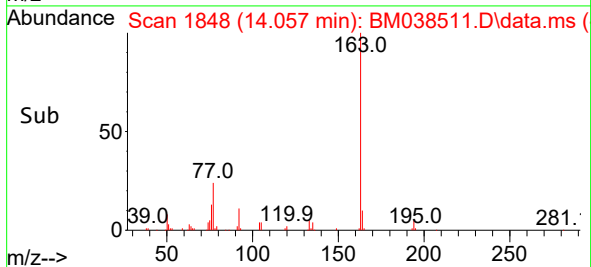
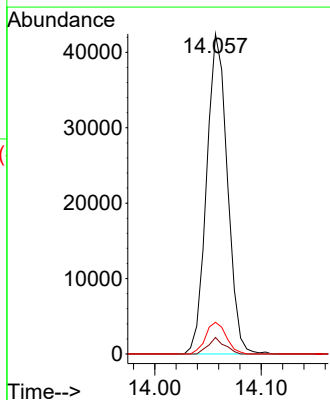
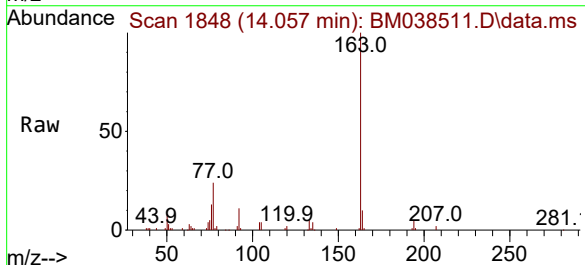
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

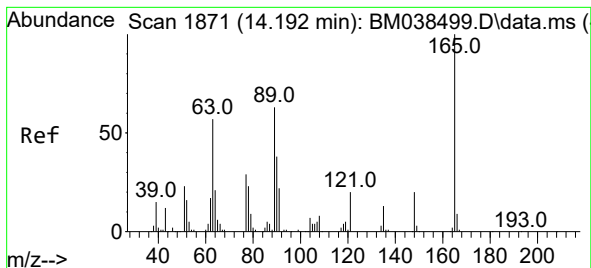
Tgt Ion:152 Resp: 69139
Ion Ratio Lower Upper
152 100
151 18.5 16.0 24.0
153 13.7 10.8 16.2



#50
Dimethylphthalate
Concen: 5.126 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.011 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:163 Resp: 57608
Ion Ratio Lower Upper
163 100
194 5.2 3.3 4.9#
164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 4.429 ng

RT: 14.186 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

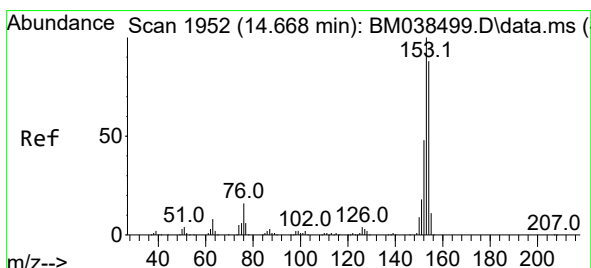
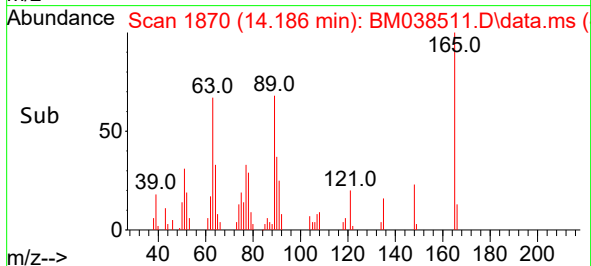
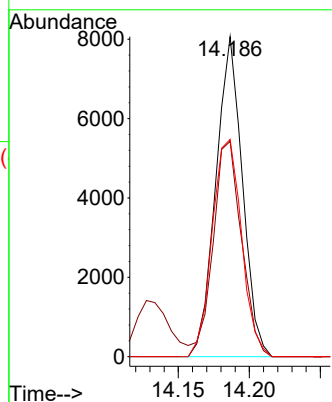
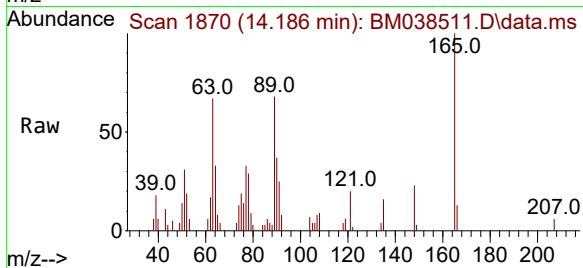
Tgt Ion:165 Resp: 10474

Ion Ratio Lower Upper

165 100

63 67.3 51.0 76.4

89 67.9 50.2 75.4



#52

Acenaphthene

Concen: 5.067 ng

RT: 14.663 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

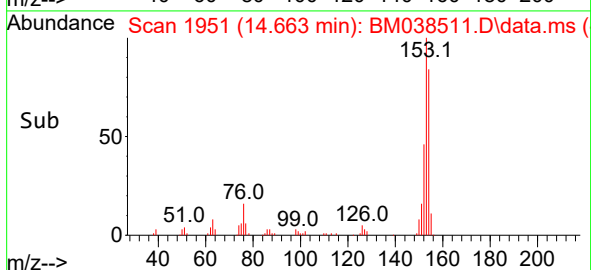
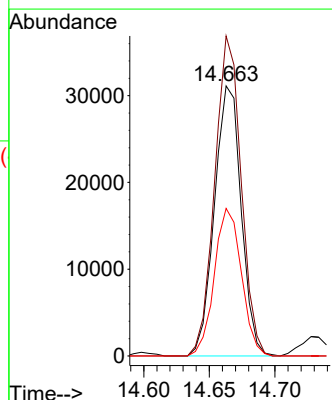
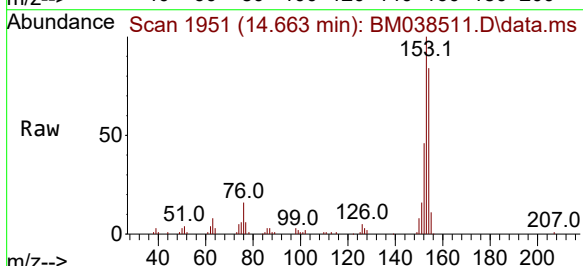
Tgt Ion:154 Resp: 44129

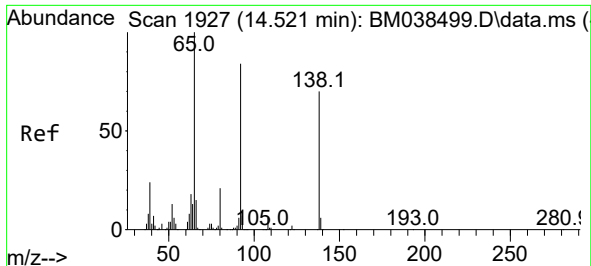
Ion Ratio Lower Upper

154 100

153 118.5 90.7 136.1

152 54.6 43.8 65.8

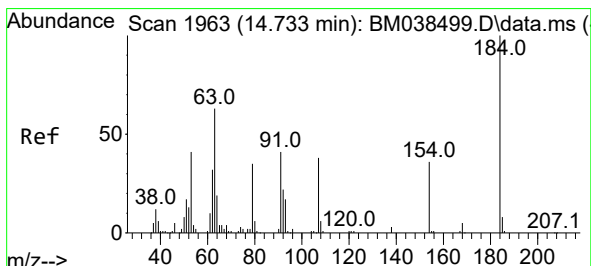
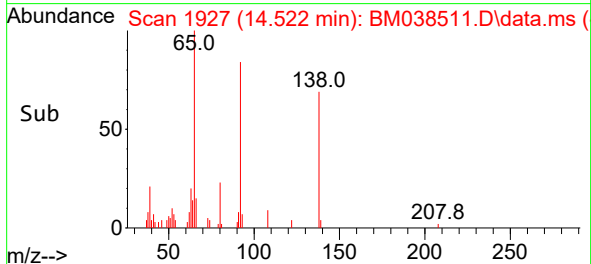
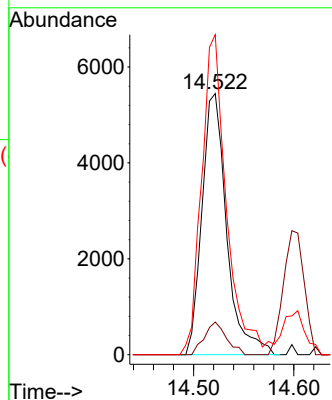
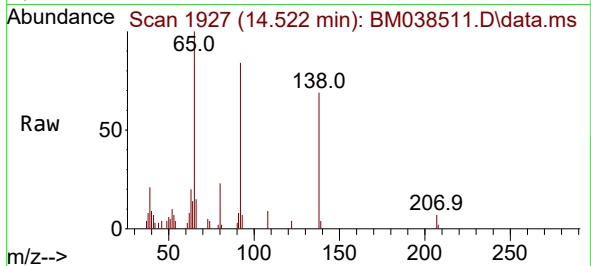




#53
3-Nitroaniline
Concen: 3.976 ng
RT: 14.522 min Scan# 1927
Delta R.T. 0.001 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

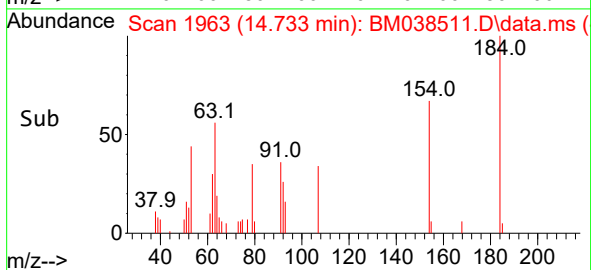
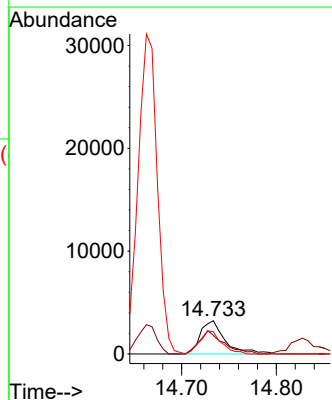
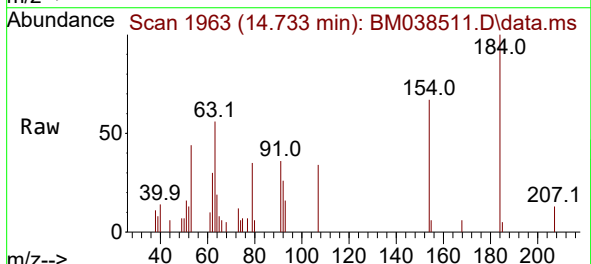
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

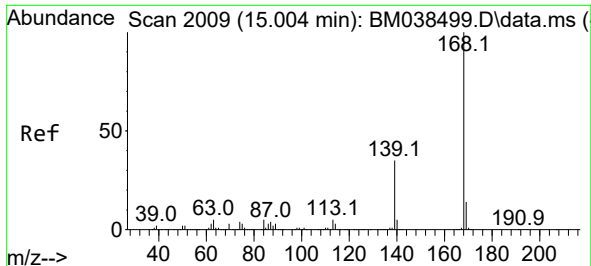
Tgt Ion:138 Resp: 9344
Ion Ratio Lower Upper
138 100
108 12.5 7.0 10.4#
92 122.5 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 7.828 ng
RT: 14.733 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:184 Resp: 5834
Ion Ratio Lower Upper
184 100
63 56.5 52.2 78.4
154 67.1 48.9 73.3

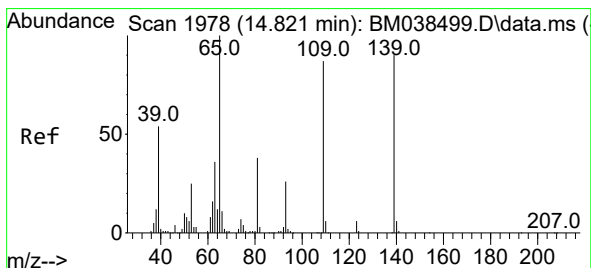
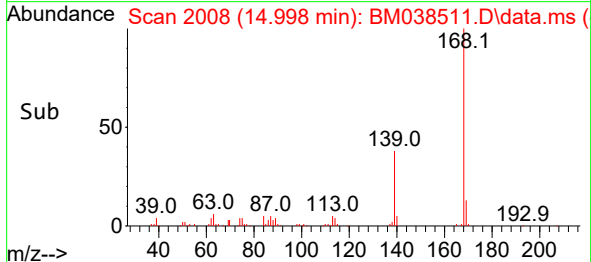
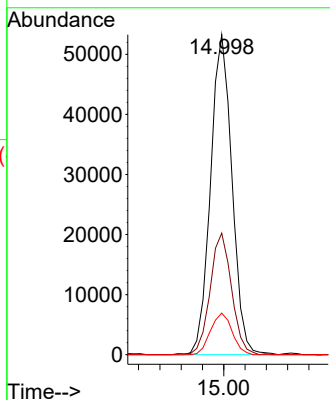
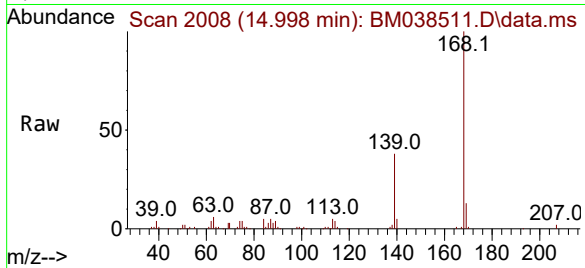




#55
Dibenzenofuran
Concen: 5.115 ng
RT: 14.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

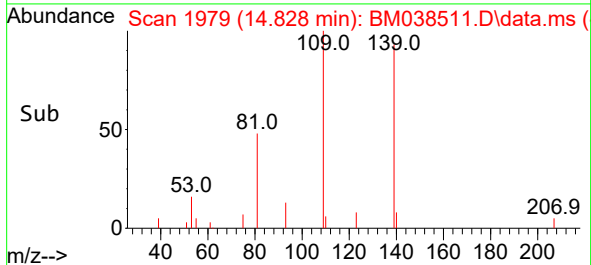
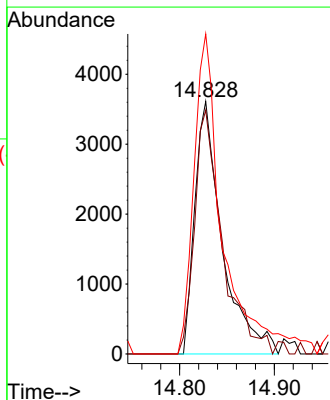
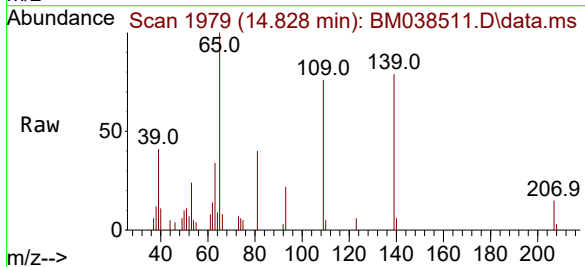
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

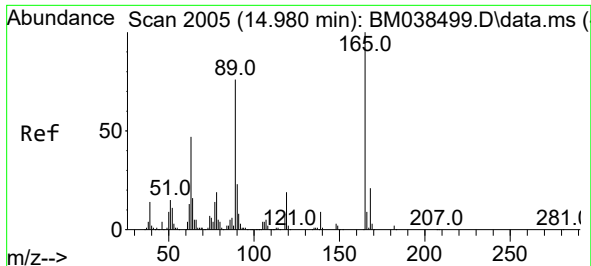
Tgt Ion:168 Resp: 74472
Ion Ratio Lower Upper
168 100
139 38.0 27.9 41.9
169 13.0 11.0 16.6



#56
4-Nitrophenol
Concen: 3.775 ng
RT: 14.828 min Scan# 1979
Delta R.T. 0.007 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:139 Resp: 7306
Ion Ratio Lower Upper
139 100
109 96.5 76.8 116.8
65 126.7 91.7 131.7

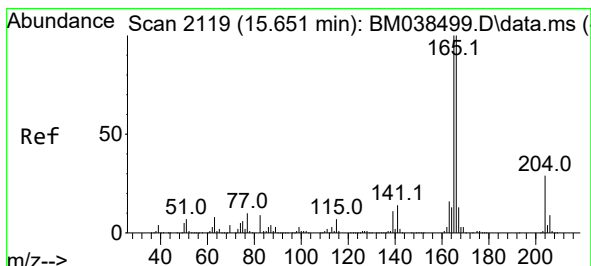
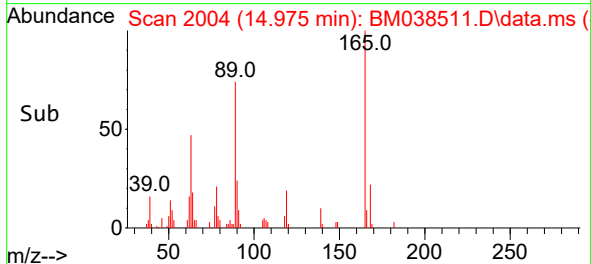
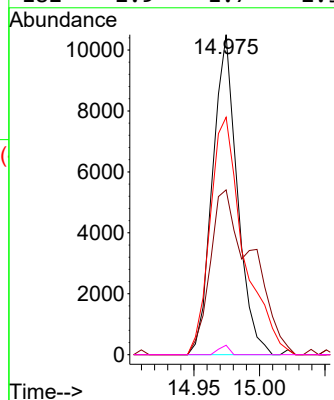
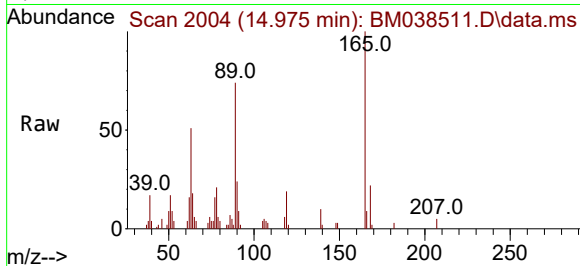




#57
2,4-Dinitrotoluene
Concen: 4.297 ng
RT: 14.975 min Scan# 20
Delta R.T. -0.005 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

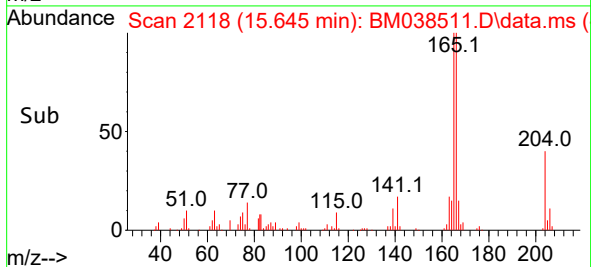
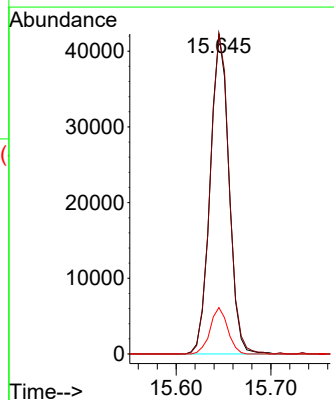
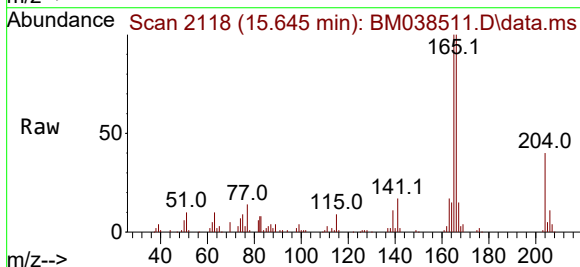
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

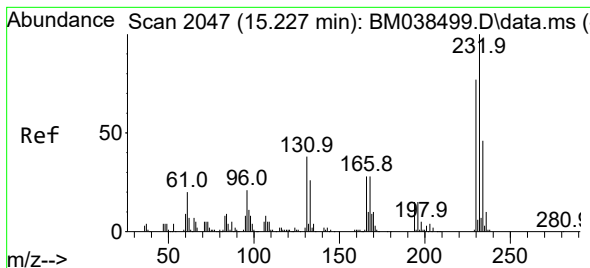
Tgt Ion:165 Resp: 13774
Ion Ratio Lower Upper
165 100
63 51.5 37.8 56.8
89 74.2 60.9 91.3
182 2.9 1.7 2.5#



#58
Fluorene
Concen: 4.930 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:166 Resp: 58200
Ion Ratio Lower Upper
166 100
165 100.1 79.6 119.4
167 14.5 10.5 15.7

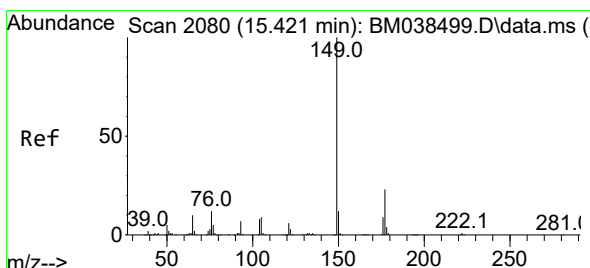
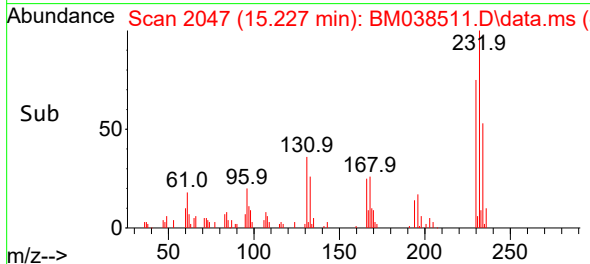
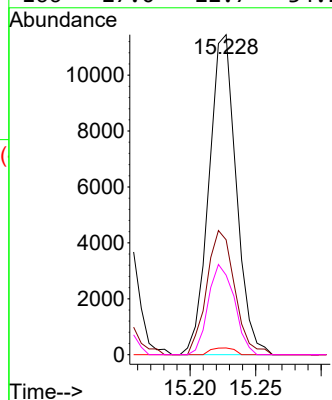
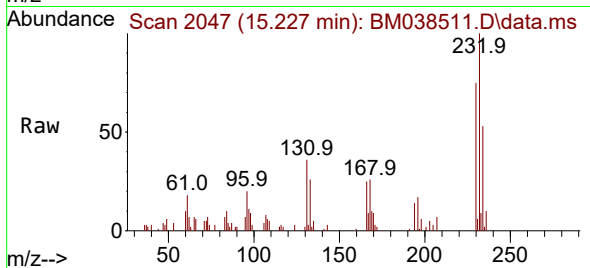




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.914 ng
RT: 15.227 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

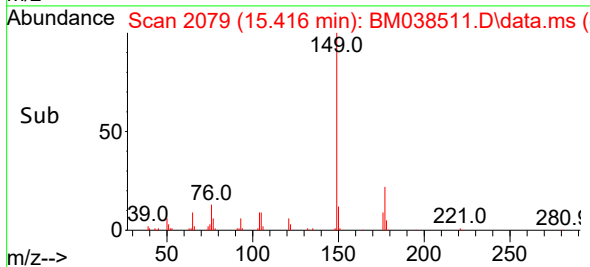
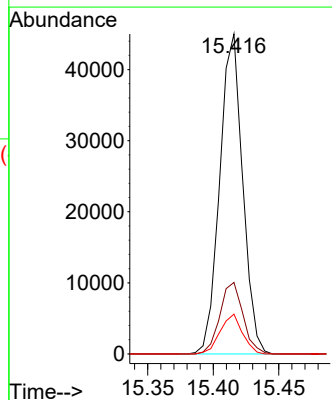
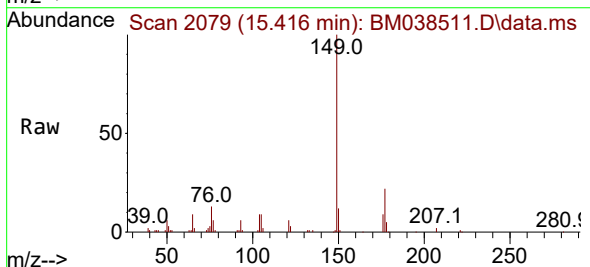
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

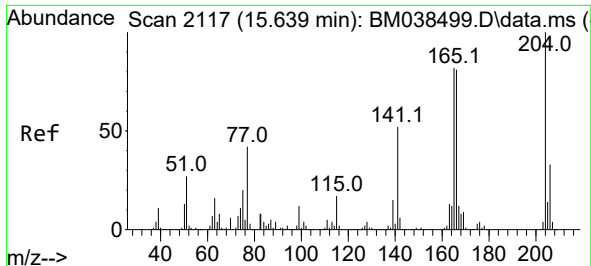
Tgt Ion:	232	Resp:	16537
Ion Ratio	Lower	Upper	
232	100		
131	40.0	31.0	46.4
130	1.8	1.8	2.6
166	27.0	22.7	34.1



#60
Diethylphthalate
Concen: 4.970 ng
RT: 15.416 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:	149	Resp:	54691
Ion Ratio	Lower	Upper	
149	100		
177	22.4	18.6	27.8
150	12.4	9.5	14.3

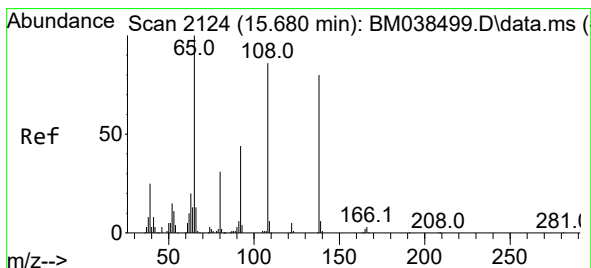
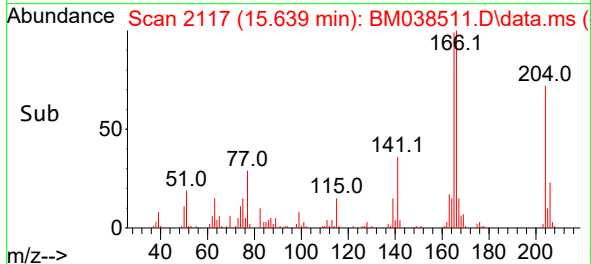
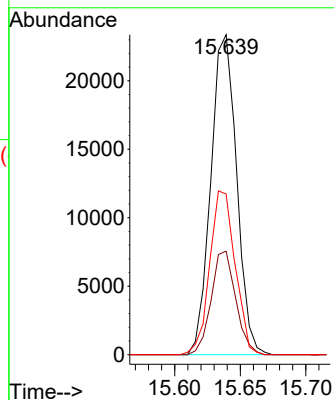
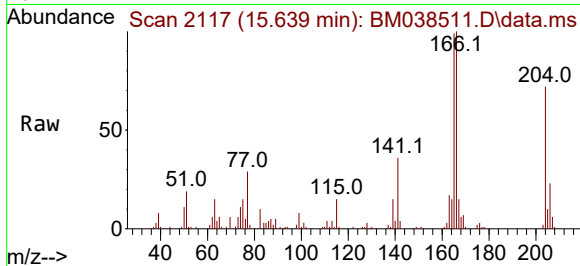




#61
4-Chlorophenyl-phenylether
Concen: 5.164 ng
RT: 15.639 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

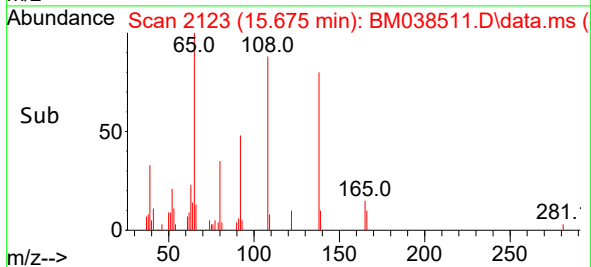
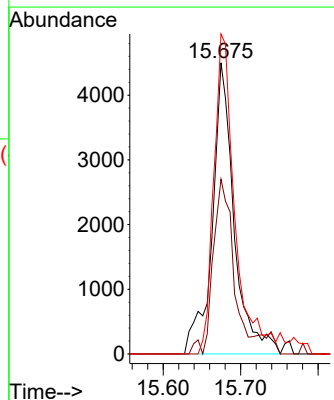
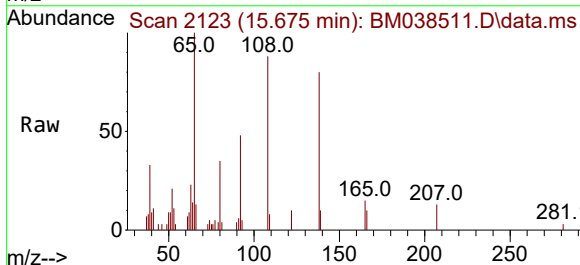
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

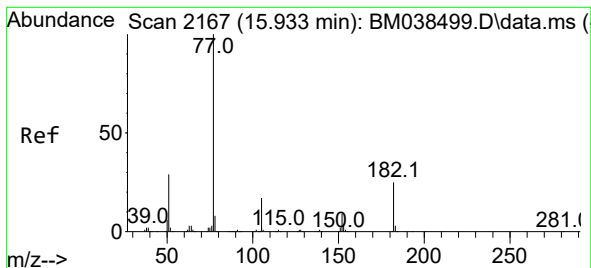
Tgt Ion:204 Resp: 32008
Ion Ratio Lower Upper
204 100
206 32.3 26.2 39.4
141 50.2 41.5 62.3



#62
4-Nitroaniline
Concen: 6.431 ng
RT: 15.675 min Scan# 2123
Delta R.T. -0.005 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:138 Resp: 8825
Ion Ratio Lower Upper
138 100
92 60.0 35.2 75.2
108 109.9 87.3 127.3





#63

Azobenzene

Concen: 4.686 ng

RT: 15.933 min Scan# 2167

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion: 77 Resp: 54632

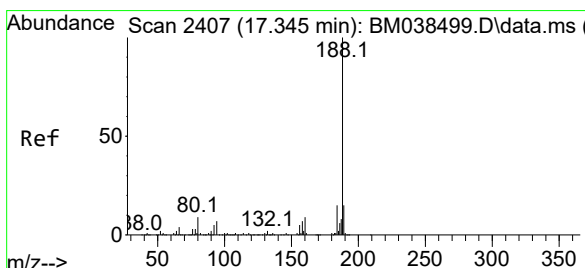
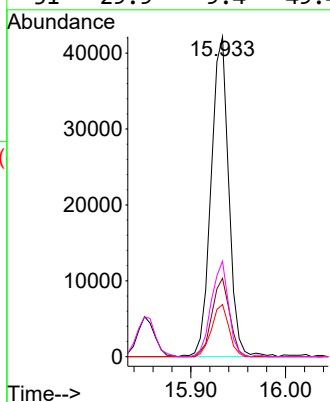
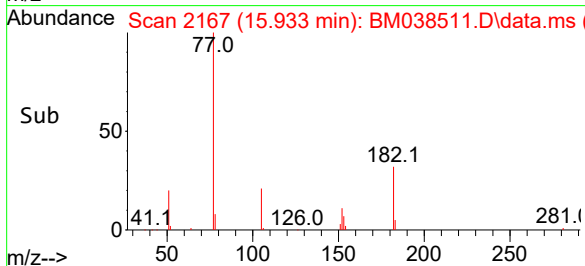
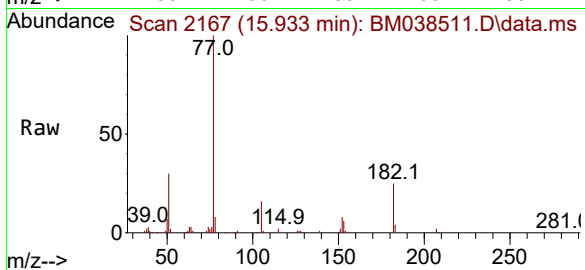
Ion Ratio Lower Upper

77 100

182 24.5 4.7 44.7

105 16.3 0.0 36.7

51 29.9 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: BM038511.D

Acq: 23 Jan 2023 16:15

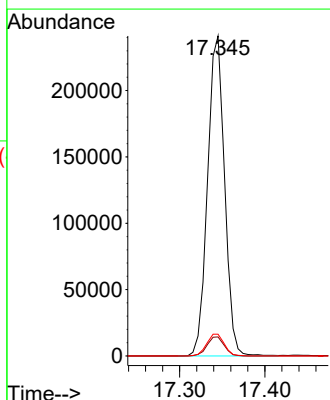
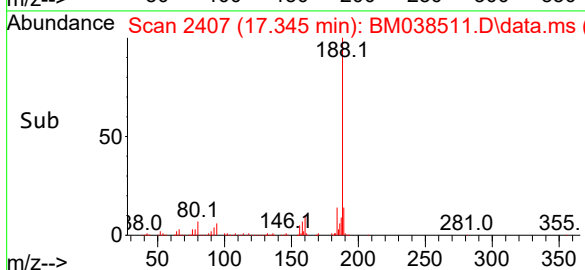
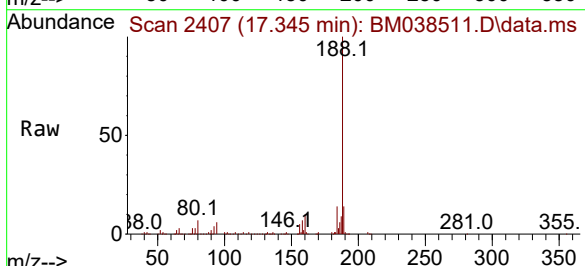
Tgt Ion: 188 Resp: 334567

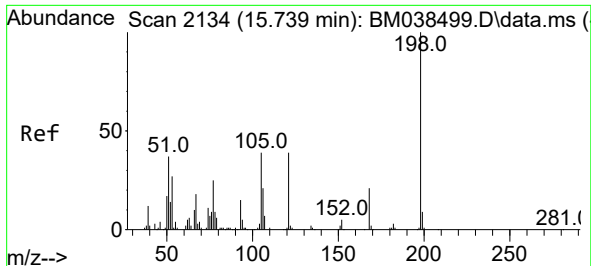
Ion Ratio Lower Upper

188 100

94 5.9 6.0 9.0#

80 6.8 6.9 10.3#

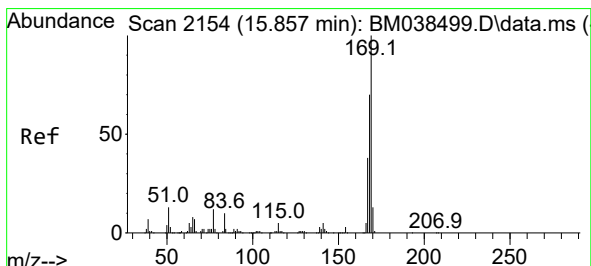
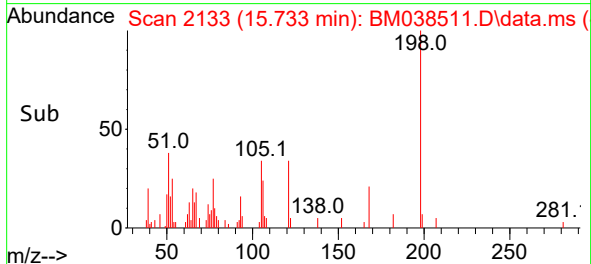
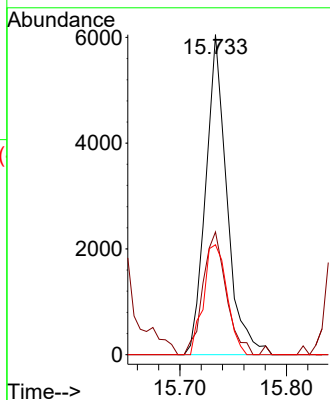
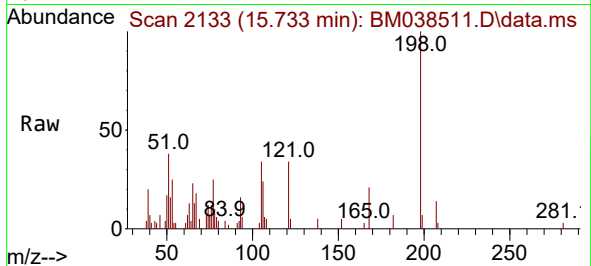




#65
4,6-Dinitro-2-methylphenol
Concen: 3.859 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

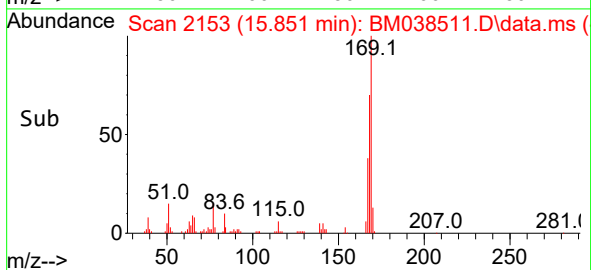
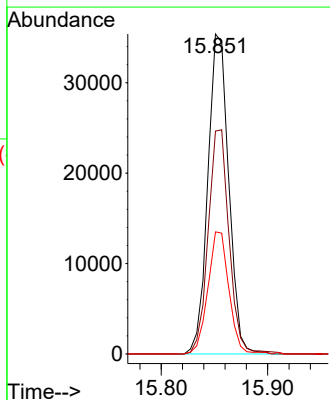
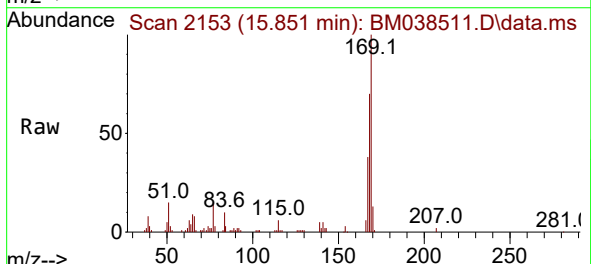
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

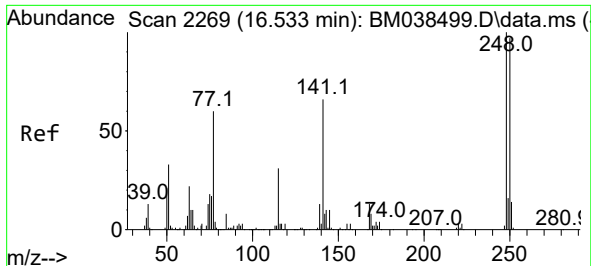
Tgt Ion	Ratio	Lower	Upper
198	100		
51	38.3	18.8	58.8
105	34.4	19.7	59.7



#66
n-Nitrosodiphenylamine
Concen: 4.805 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.6	55.8	83.8
167	38.2	30.3	45.5

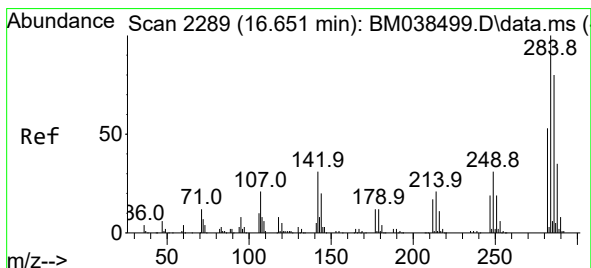
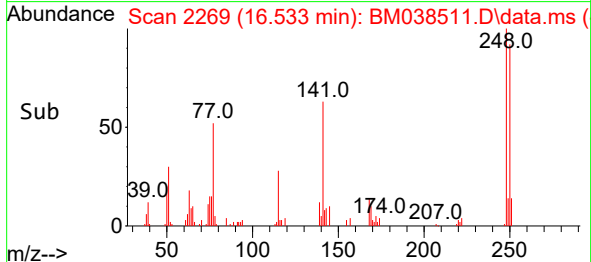
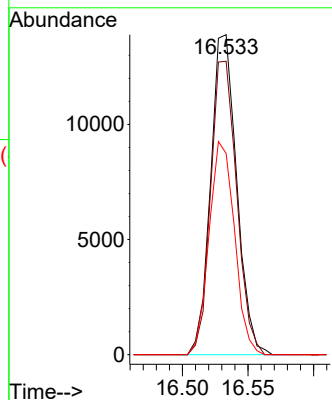
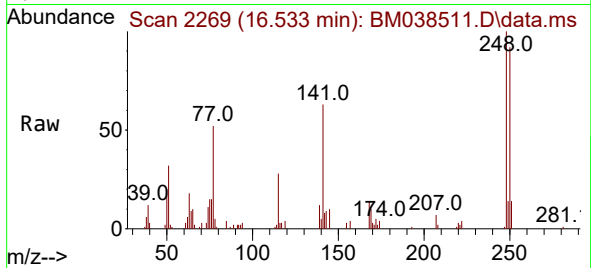




#67
4-Bromophenyl-phenylether
Concen: 5.174 ng
RT: 16.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

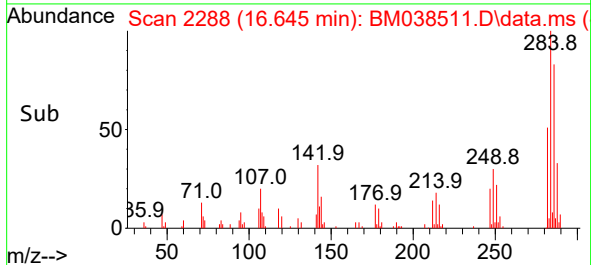
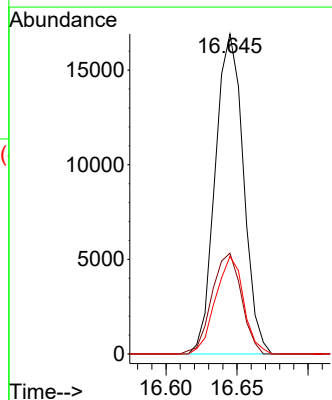
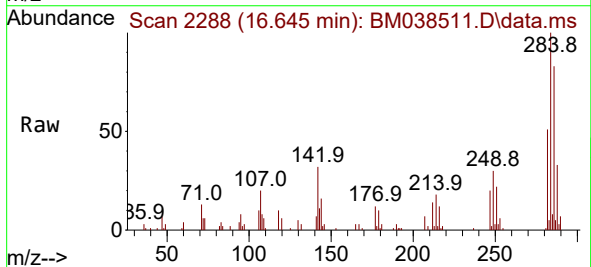
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

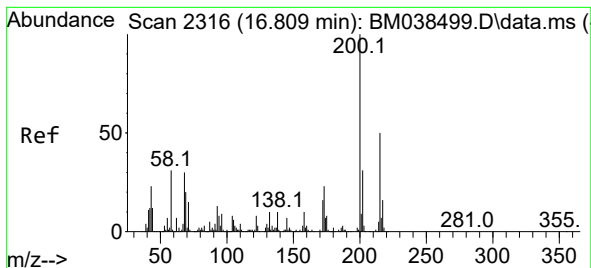
Tgt Ion:248 Resp: 19200
Ion Ratio Lower Upper
248 100
250 91.7 77.6 116.4
141 62.9 52.5 78.7



#68
Hexachlorobenzene
Concen: 5.828 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:284 Resp: 23340
Ion Ratio Lower Upper
284 100
142 31.5 25.2 37.8
249 30.5 24.4 36.6





#69

Atrazine

Concen: 4.463 ng

RT: 16.798 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

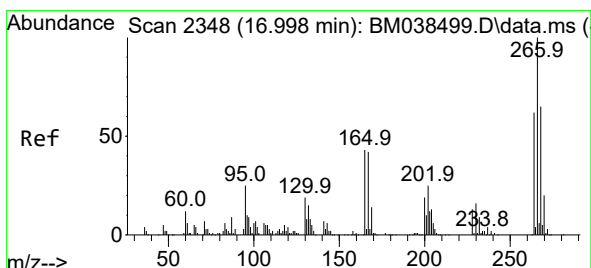
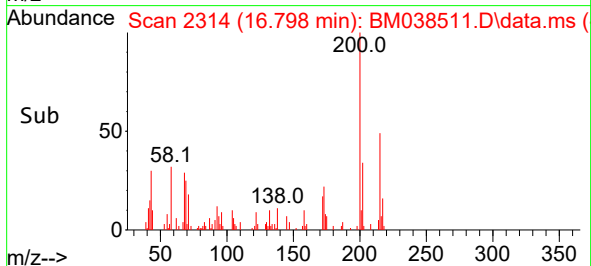
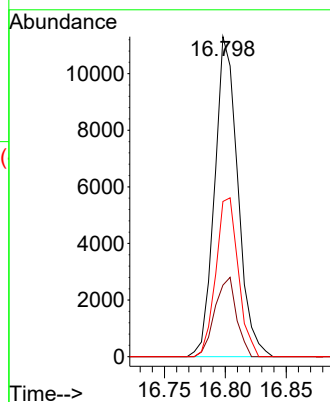
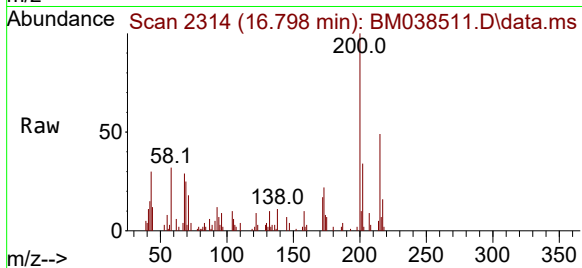
Tgt Ion:200 Resp: 14955

Ion Ratio Lower Upper

200 100

173 22.4 3.5 43.5

215 48.5 30.0 70.0



#70

Pentachlorophenol

Concen: 4.384 ng

RT: 16.992 min Scan# 2347

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

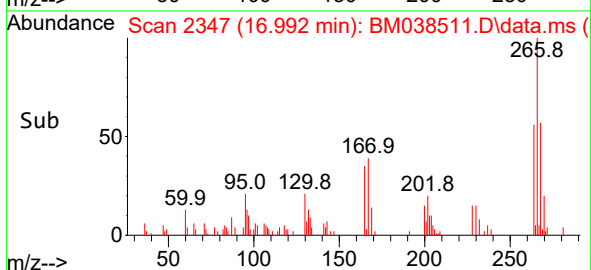
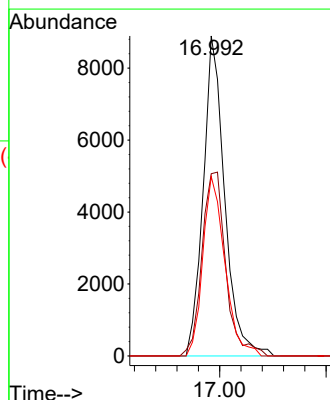
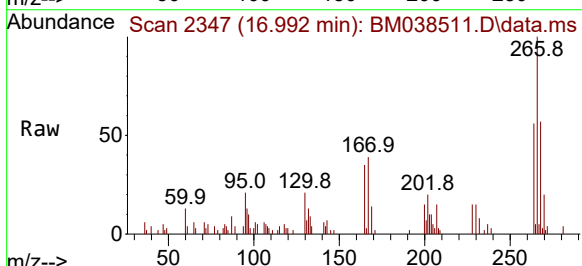
Tgt Ion:266 Resp: 12499

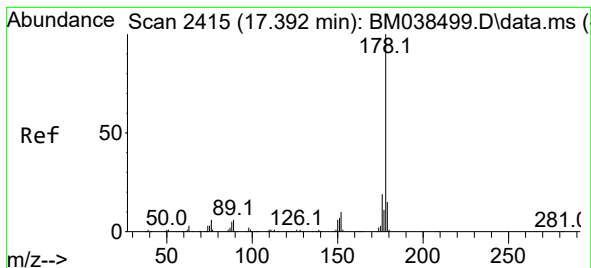
Ion Ratio Lower Upper

266 100

268 57.0 51.7 77.5

264 56.1 49.4 74.0





#71

Phenanthrene

Concen: 5.220 ng

RT: 17.386 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

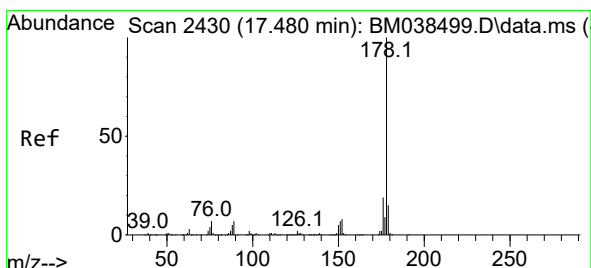
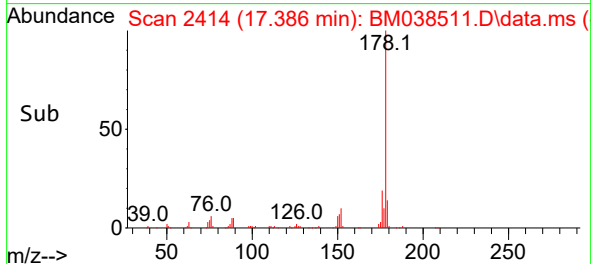
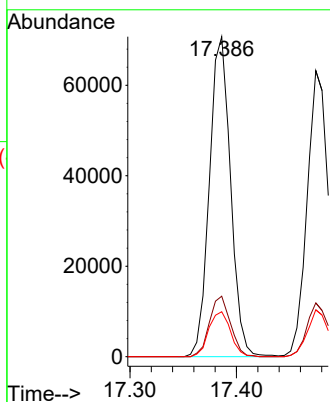
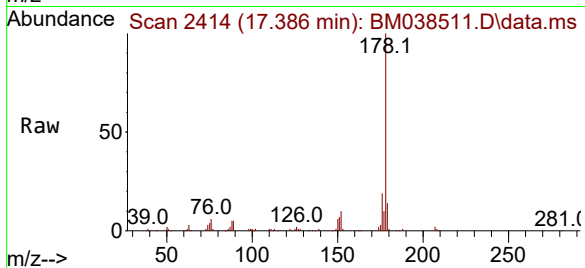
Tgt Ion:178 Resp: 97527

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 14.0 12.2 18.4



#72

Anthracene

Concen: 4.830 ng

RT: 17.474 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

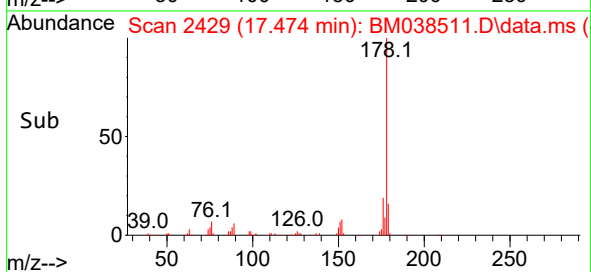
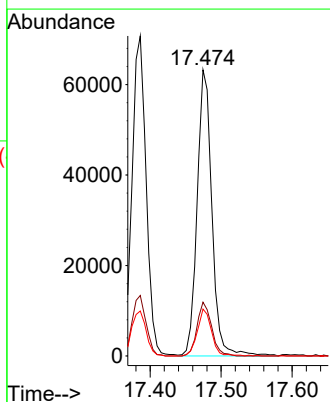
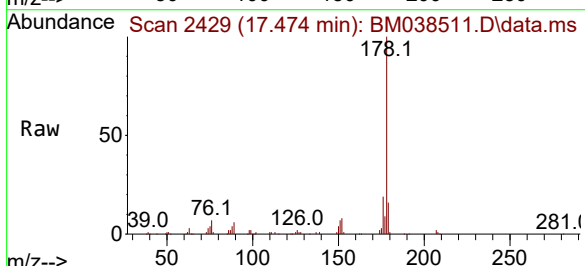
Tgt Ion:178 Resp: 91827

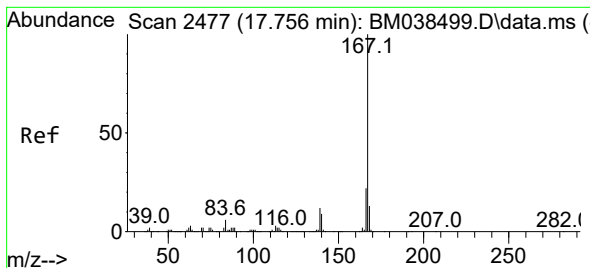
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 16.4 12.2 18.4





#73

Carbazole

Concen: 4.898 ng

RT: 17.751 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

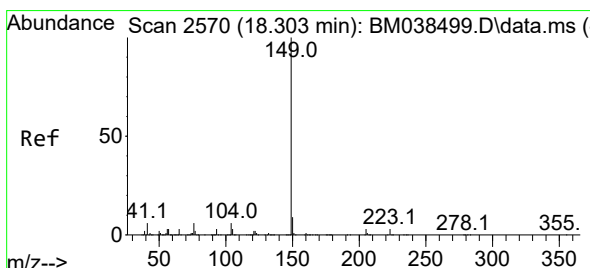
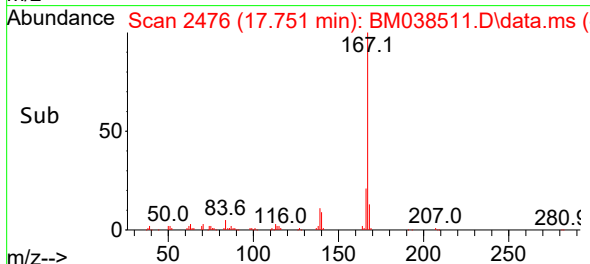
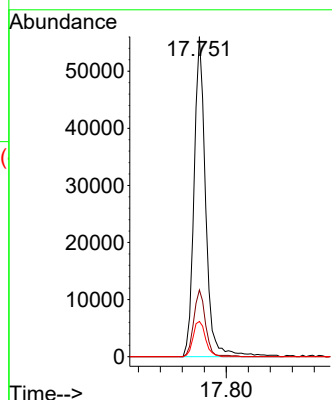
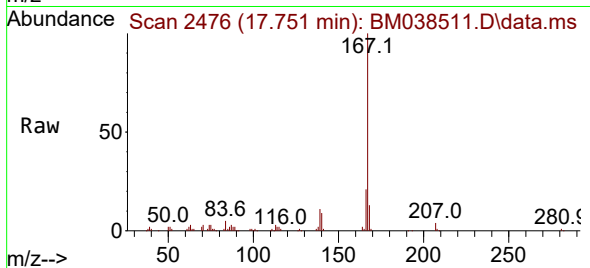
Tgt Ion:167 Resp: 82010

Ion Ratio Lower Upper

167 100

166 20.8 17.7 26.5

139 11.0 9.4 14.0



#74

Di-n-butylphthalate

Concen: 4.488 ng

RT: 18.298 min Scan# 2569

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

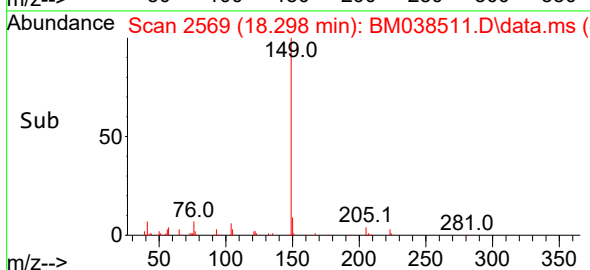
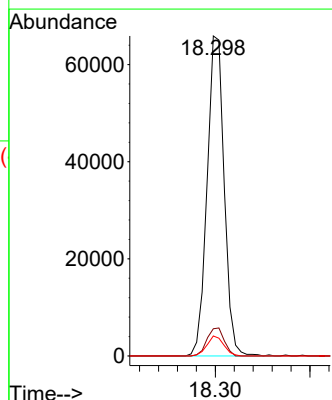
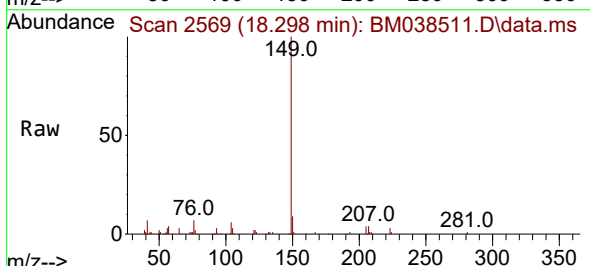
Tgt Ion:149 Resp: 82543

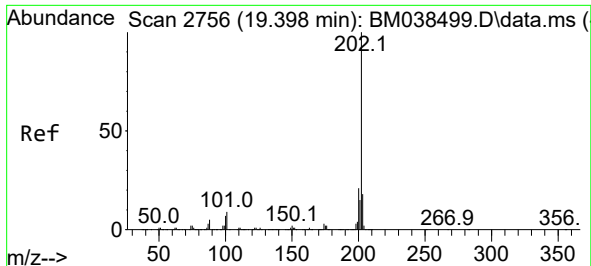
Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.0

104 6.3 4.6 6.8

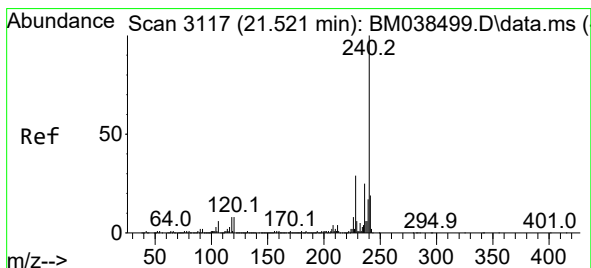
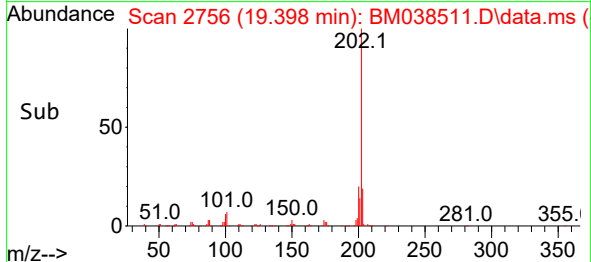
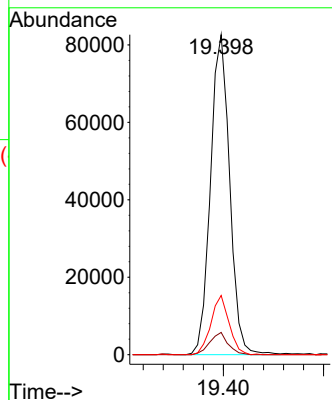
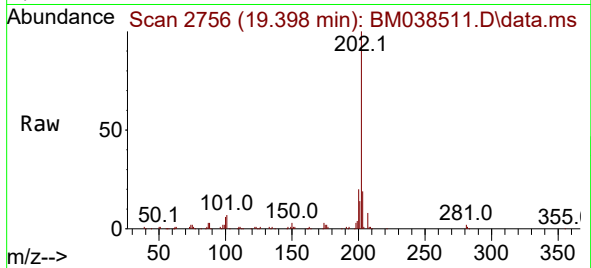




#75
Fluoranthene
Concen: 4.894 ng
RT: 19.398 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

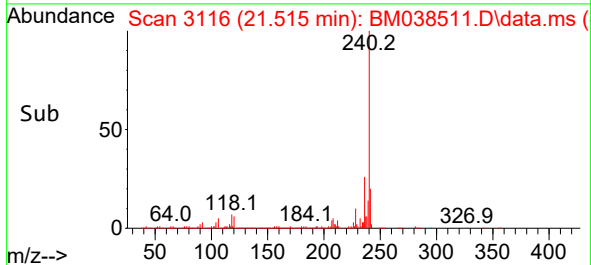
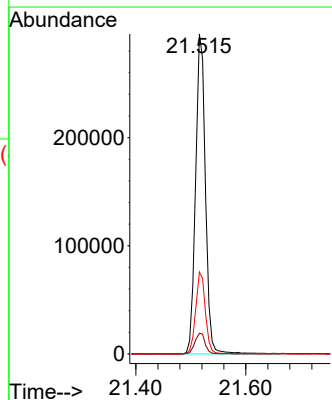
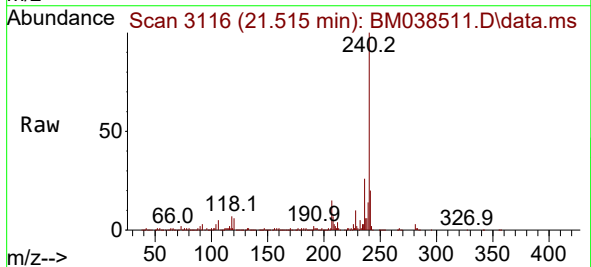
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

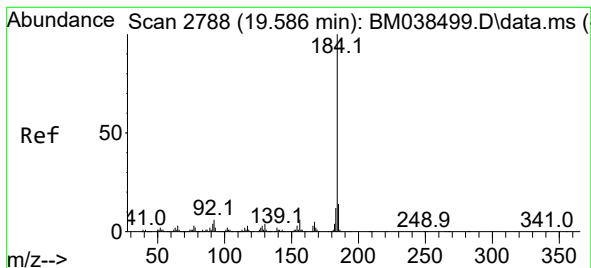
Tgt Ion:202 Resp: 109897
Ion Ratio Lower Upper
202 100
101 7.0 0.0 28.7
203 18.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM038511.D
Acq: 23 Jan 2023 16:15

Tgt Ion:240 Resp: 367964
Ion Ratio Lower Upper
240 100
120 6.5 6.2 9.2
236 25.6 20.2 30.2





#77

Benzidine

Concen: 3.551 ng

RT: 19.586 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

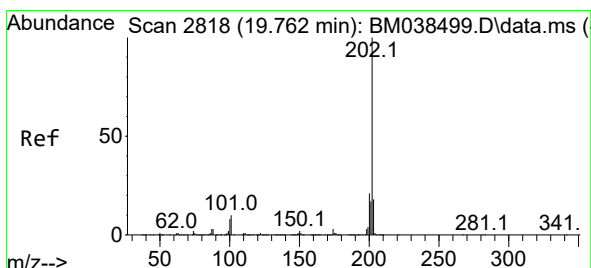
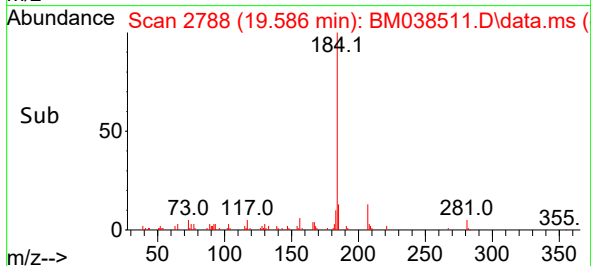
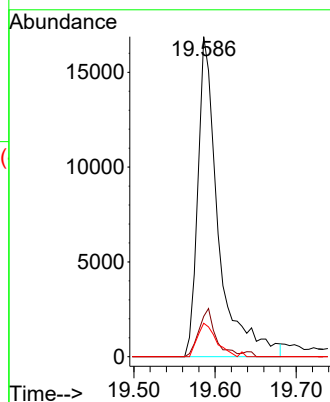
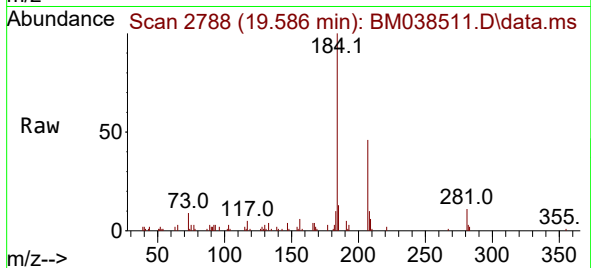
Tgt Ion:184 Resp: 29776

Ion Ratio Lower Upper

184 100

185 12.6 10.9 16.3

183 10.4 9.3 13.9



#78

Pyrene

Concen: 4.641 ng

RT: 19.757 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

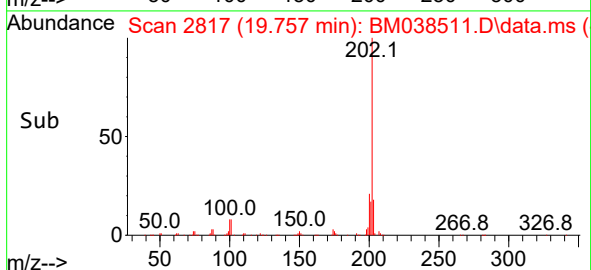
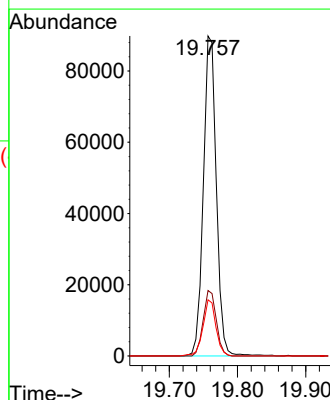
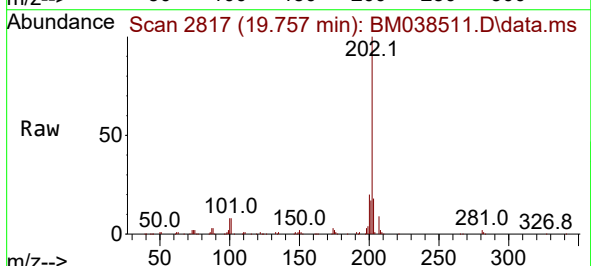
Tgt Ion:202 Resp: 118911

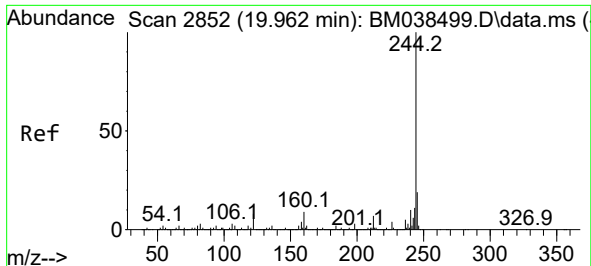
Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

203 17.6 14.2 21.2

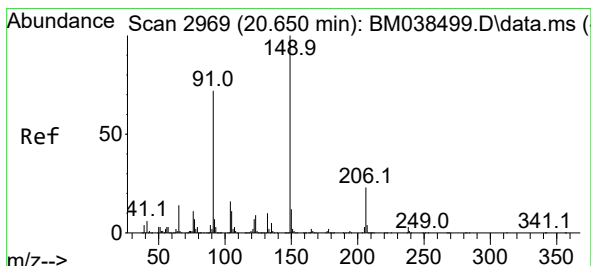
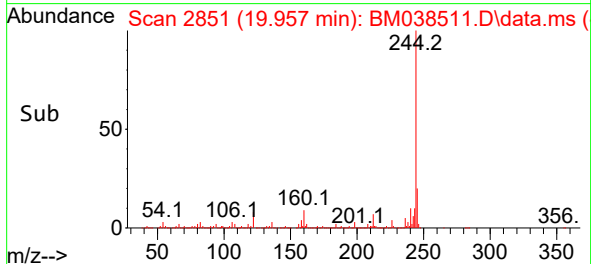
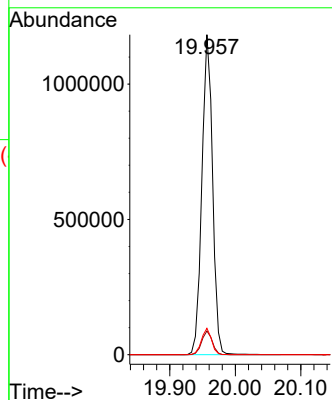
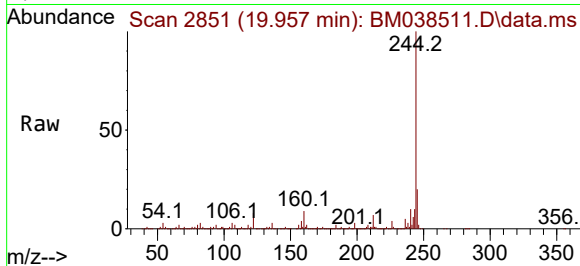




#79
 Terphenyl-d14
 Concen: 70.973 ng
 RT: 19.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038511.D
 Acq: 23 Jan 2023 16:15

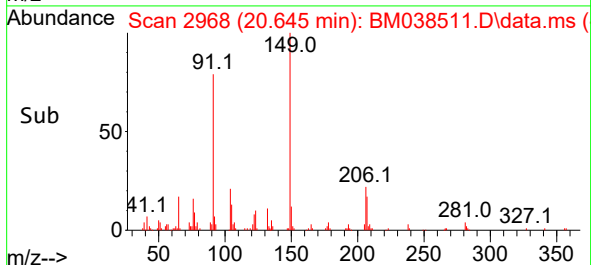
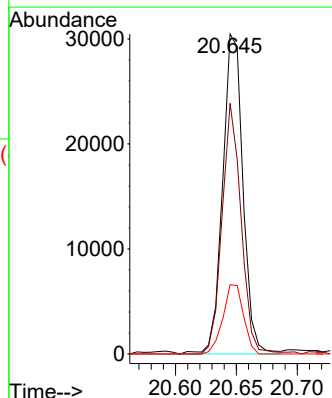
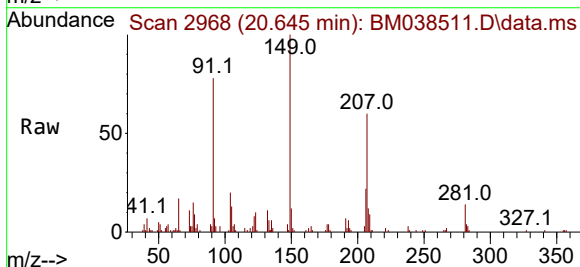
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

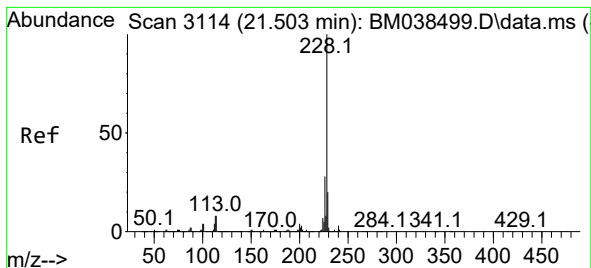
Tgt Ion:244 Resp: 1339591
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 8.2 6.7 10.1



#80
 Butylbenzylphthalate
 Concen: 4.001 ng
 RT: 20.645 min Scan# 2968
 Delta R.T. -0.006 min
 Lab File: BM038511.D
 Acq: 23 Jan 2023 16:15

Tgt Ion:149 Resp: 35448
 Ion Ratio Lower Upper
 149 100
 91 78.3 57.5 86.3
 206 21.6 18.2 27.2





#81

Benzo(a)anthracene

Concen: 5.075 ng

RT: 21.504 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

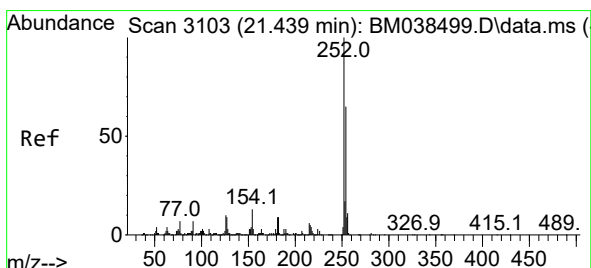
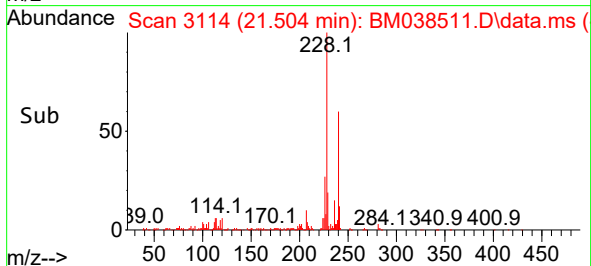
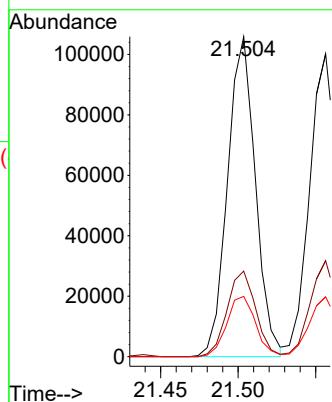
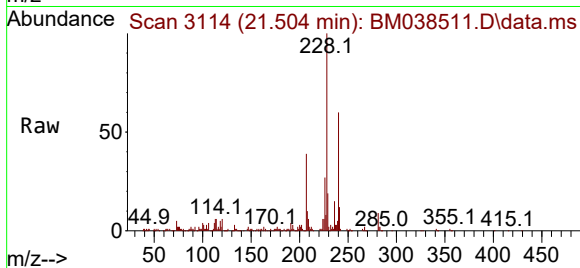
Tgt Ion:228 Resp: 132324

Ion Ratio Lower Upper

228 100

226 26.7 22.2 33.2

229 18.9 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 4.727 ng

RT: 21.439 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

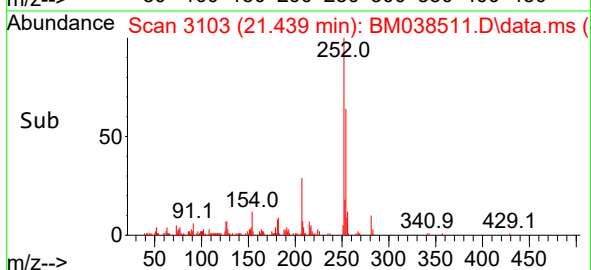
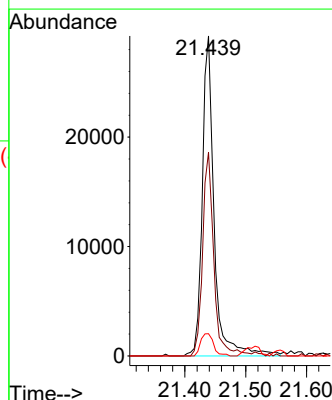
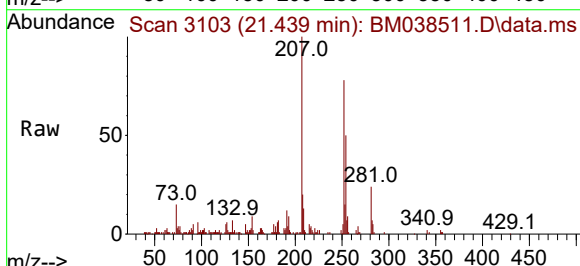
Tgt Ion:252 Resp: 39587

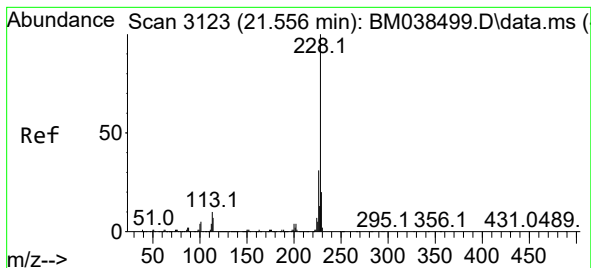
Ion Ratio Lower Upper

252 100

254 63.7 51.9 77.9

126 7.0 7.7 11.5#





#83

Chrysene

Concen: 5.111 ng

RT: 21.557 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

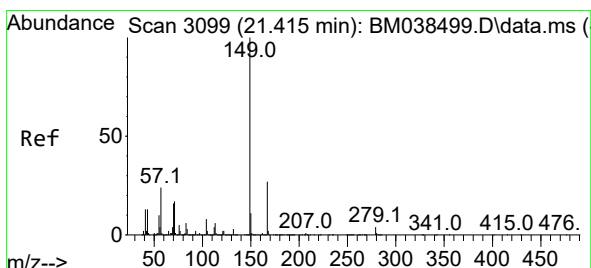
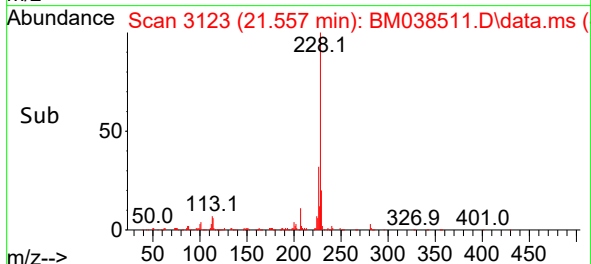
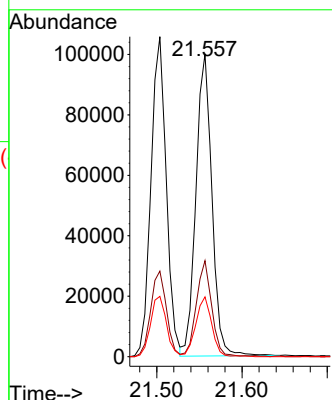
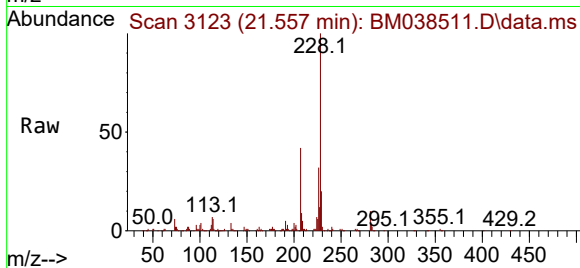
Tgt Ion:228 Resp: 130311

Ion Ratio Lower Upper

228 100

226 31.7 24.4 36.6

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.107 ng

RT: 21.415 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

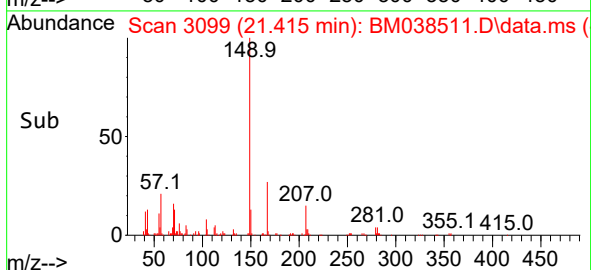
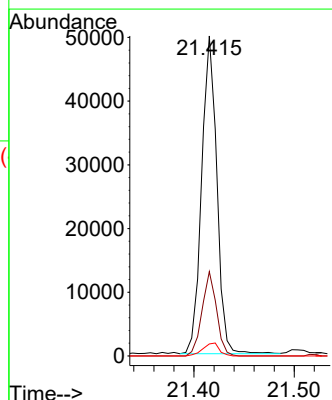
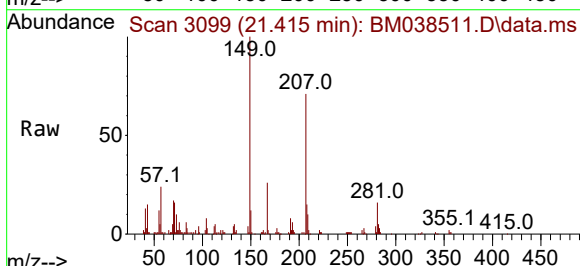
Tgt Ion:149 Resp: 52731

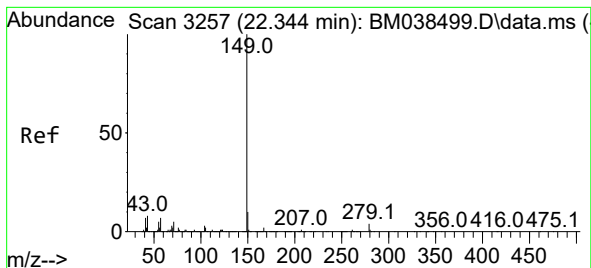
Ion Ratio Lower Upper

149 100

167 26.3 21.3 31.9

279 3.7 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 4.135 ng

RT: 22.339 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

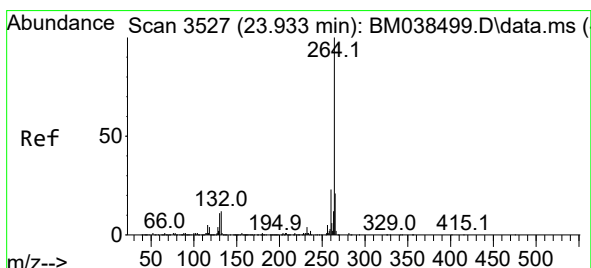
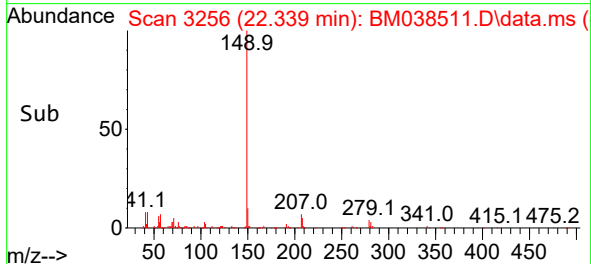
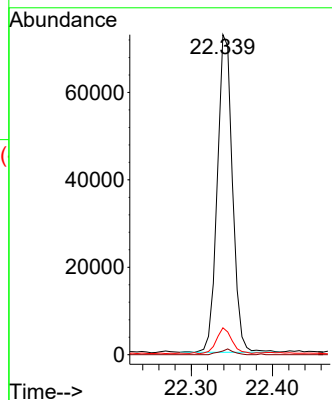
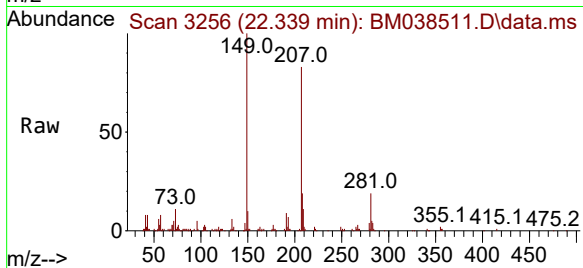
Tgt Ion:149 Resp: 94409

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.3 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.933 min Scan# 3527

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

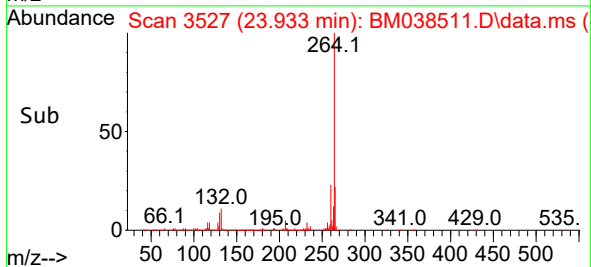
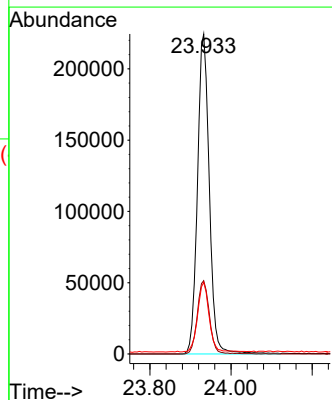
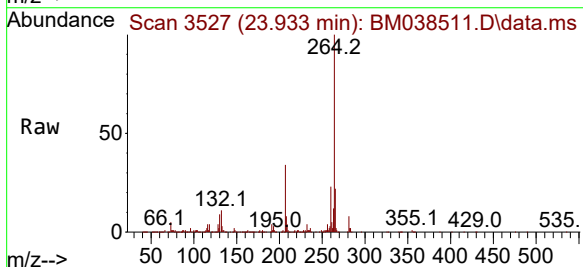
Tgt Ion:264 Resp: 457171

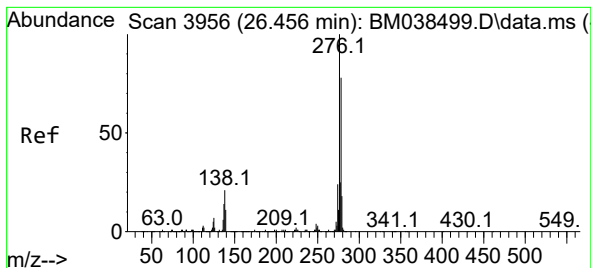
Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 22.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.041 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.011 min

Lab File: BM038511.D

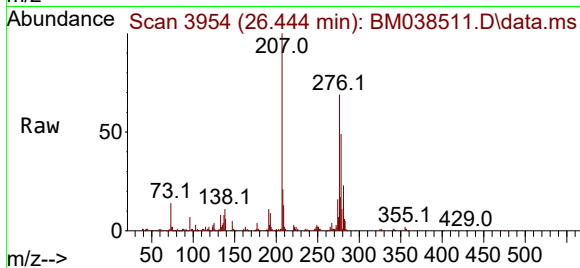
Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



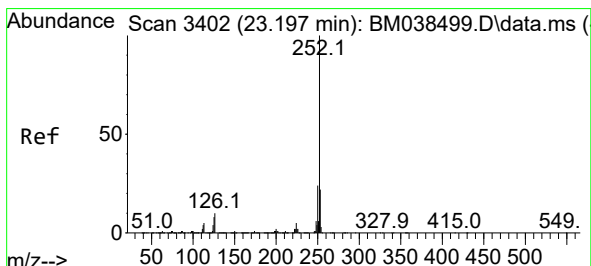
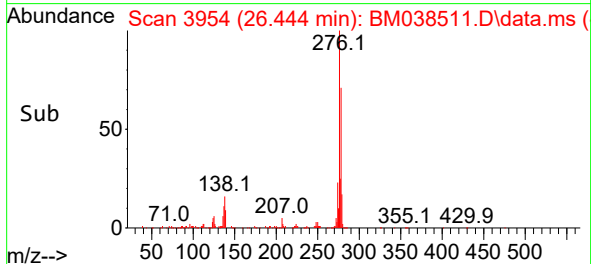
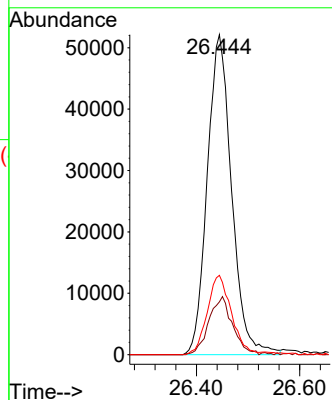
Tgt Ion:276 Resp: 170550

Ion Ratio Lower Upper

276 100

138 17.6 15.8 23.8

277 24.5 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 5.176 ng

RT: 23.192 min Scan# 3401

Delta R.T. -0.006 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

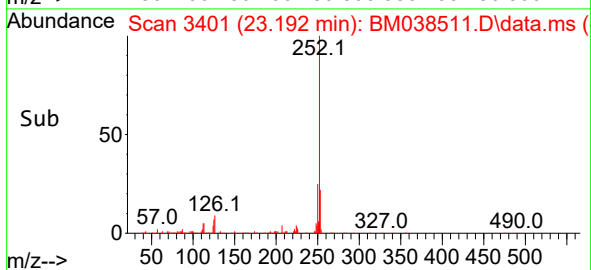
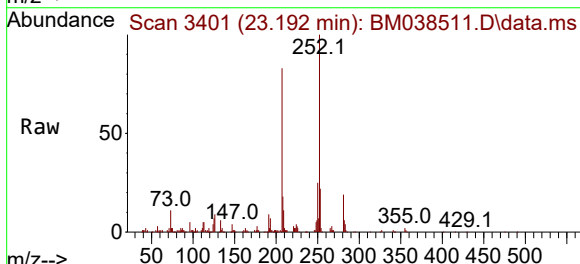
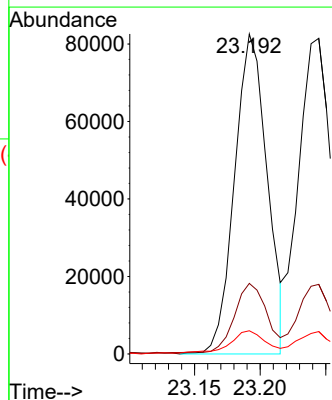
Tgt Ion:252 Resp: 142742

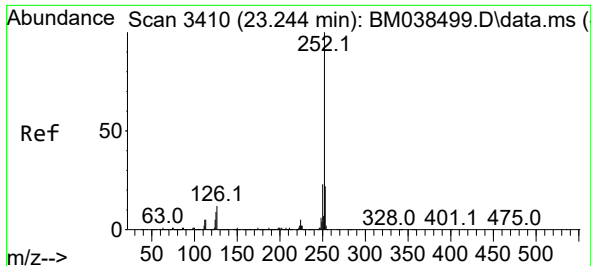
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 7.3 6.4 9.6





#89

Benzo(k)fluoranthene

Concen: 5.249 ng

RT: 23.245 min Scan# 3410

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

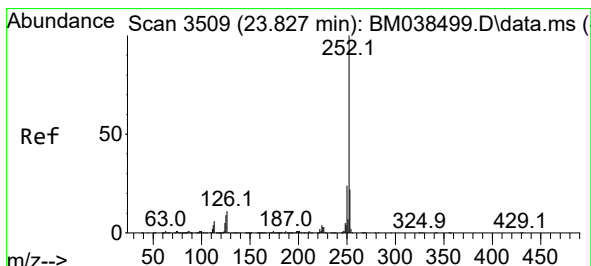
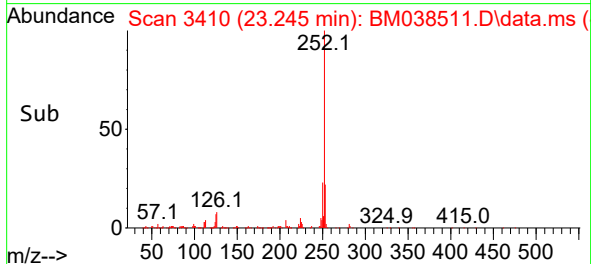
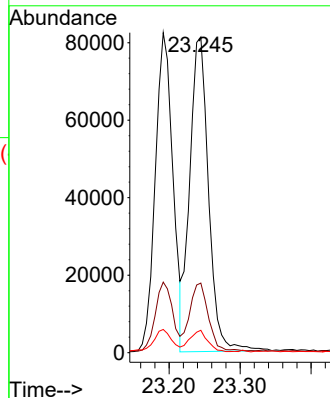
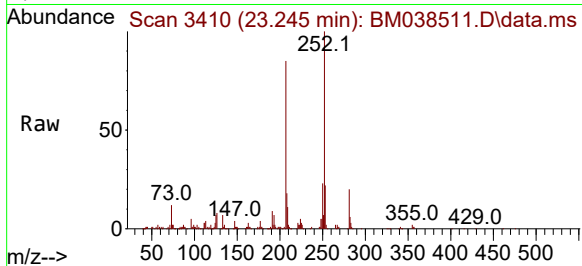
Tgt Ion:252 Resp: 149794

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 7.1 6.8 10.2



#90

Benzo(a)pyrene

Concen: 4.698 ng

RT: 23.827 min Scan# 3509

Delta R.T. 0.000 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

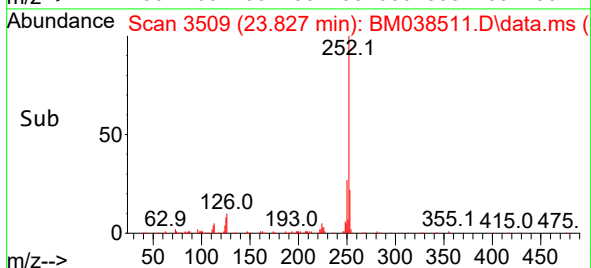
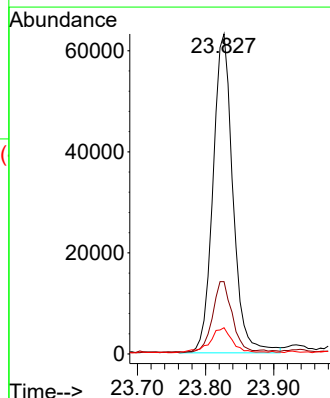
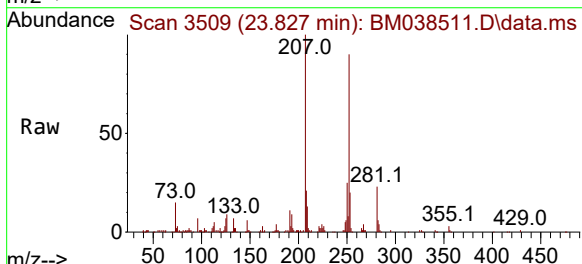
Tgt Ion:252 Resp: 128443

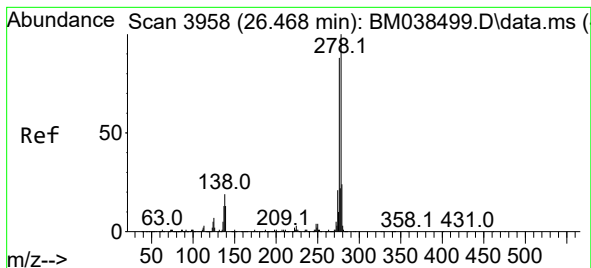
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 8.2 7.3 10.9





#91

Dibenzo(a,h)anthracene

Concen: 5.314 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.011 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

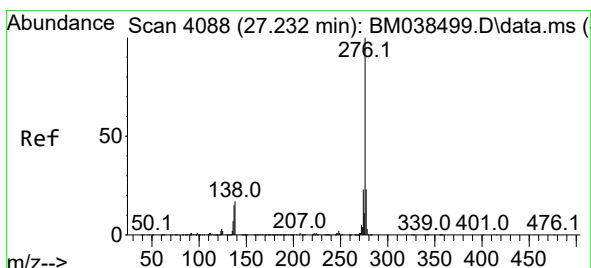
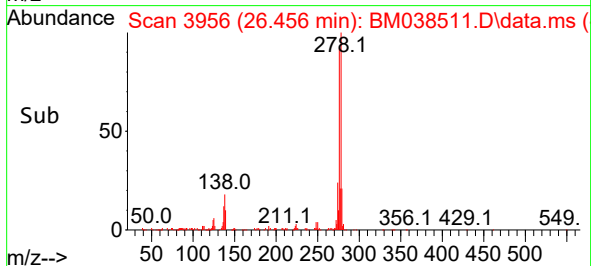
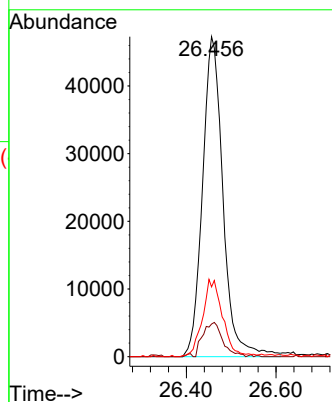
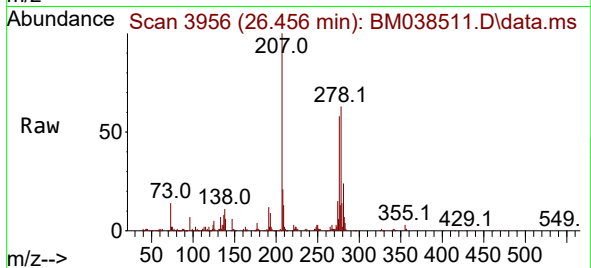
Tgt Ion:278 Resp: 149640

Ion Ratio Lower Upper

278 100

139 10.2 10.3 15.5#

279 21.8 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 5.308 ng

RT: 27.221 min Scan# 4086

Delta R.T. -0.011 min

Lab File: BM038511.D

Acq: 23 Jan 2023 16:15

Tgt Ion:276 Resp: 153109

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 15.2 13.8 20.8

