

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038469.D
 Acq On : 17 Jan 2023 18:07
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 19 04:51:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	64885	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	237876	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	151116	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	349659	20.000	ng	0.00
76) Chrysene-d12	21.527	240	391417	20.000	ng	0.00
86) Perylene-d12	23.950	264	467391	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	438613	103.115	ng	-0.01
7) Phenol-d6	7.140	99	551691	101.249	ng	0.00
23) Nitrobenzene-d5	9.151	82	403199	69.063	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	257110	100.645	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	802155	66.199	ng	0.00
79) Terphenyl-d14	19.968	244	1534632	73.397	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	16897	8.692	ng	97
3) Pyridine	3.804	79	42917	7.632	ng	# 93
4) n-Nitrosodimethylamine	3.710	42	28944	8.699	ng	99
6) Aniline	7.304	93	55819	8.110	ng	98
8) 2-Chlorophenol	7.534	128	36231	8.603	ng	93
9) Benzaldehyde	7.116	77	39686	10.892	ng	94
10) Phenol	7.163	94	49421	8.704	ng	96
11) bis(2-Chloroethyl)ether	7.398	93	38694	8.409	ng	98
12) 1,3-Dichlorobenzene	7.863	146	40668	9.014	ng	97
13) 1,4-Dichlorobenzene	8.010	146	41359	9.112	ng	96
14) 1,2-Dichlorobenzene	8.328	146	40265	9.073	ng	94
15) Benzyl Alcohol	8.222	79	35930	8.233	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.510	45	58453	9.111	ng	96
17) 2-Methylphenol	8.422	107	30884	8.053	ng	99
18) Hexachloroethane	9.051	117	16941	9.112	ng	90
19) n-Nitroso-di-n-propyla...	8.787	70	33370	8.437	ng	96
20) 3+4-Methylphenols	8.751	107	38914	7.557	ng	97
22) Acetophenone	8.810	105	58728	8.352	ng	# 96
24) Nitrobenzene	9.192	77	55467	8.992	ng	98
25) Isophorone	9.716	82	85098	8.229	ng	98
26) 2-Nitrophenol	9.904	139	17123	7.907	ng	91
27) 2,4-Dimethylphenol	9.957	122	25584	6.938	ng	97
28) bis(2-Chloroethoxy)met...	10.198	93	48595	8.356	ng	99
29) 2,4-Dichlorophenol	10.439	162	31882	7.826	ng	96
30) 1,2,4-Trichlorobenzene	10.651	180	37758	8.015	ng	95
31) Naphthalene	10.839	128	103206	8.187	ng	99
32) Benzoic acid	10.051	122	13455	9.026	ng	95
33) 4-Chloroaniline	10.957	127	40859	7.384	ng	96
34) Hexachlorobutadiene	11.116	225	27026	8.180	ng	97
35) Caprolactam	11.739	113	8801	7.643	ng	# 89
36) 4-Chloro-3-methylphenol	12.075	107	34674	7.806	ng	90
37) 2-Methylnaphthalene	12.445	142	67728	7.347	ng	98
38) 1-Methylnaphthalene	12.663	142	65208	7.535	ng	97
40) 1,2,4,5-Tetrachloroben...	12.804	216	43546	7.699	ng	99
41) Hexachlorocyclopentadiene	12.780	237	23283	7.240	ng	99
43) 2,4,6-Trichlorophenol	13.051	196	27932	7.812	ng	97

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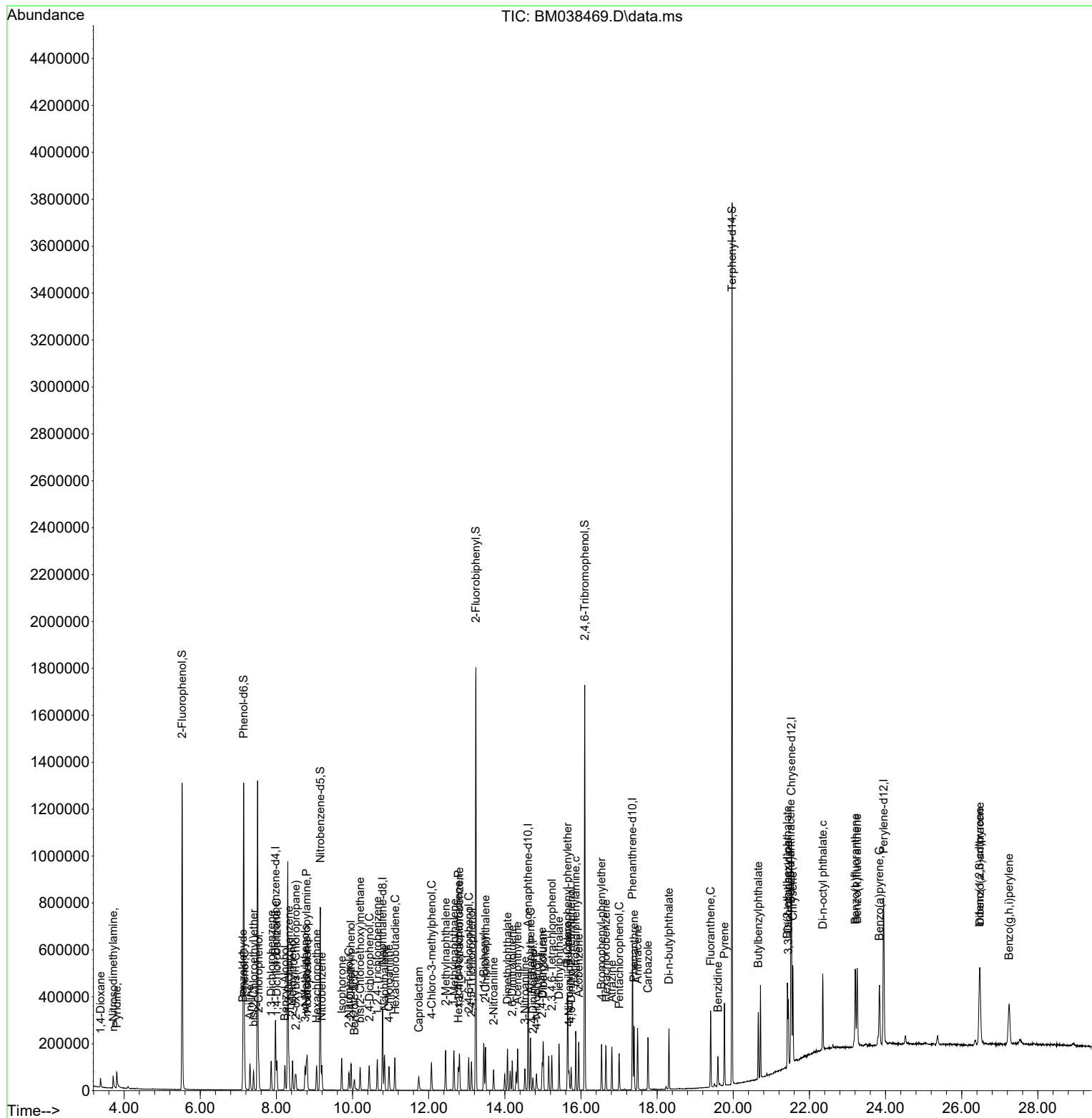
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.122	196	30067	7.133	ng	95
46) 1,1'-Biphenyl	13.445	154	92777	7.914	ng	99
47) 2-Chloronaphthalene	13.492	162	75347	8.165	ng	96
48) 2-Nitroaniline	13.704	65	25032	8.825	ng	92
49) Acenaphthylene	14.333	152	111022	7.631	ng	100
50) Dimethylphthalate	14.069	163	93491	7.634	ng	# 97
51) 2,6-Dinitrotoluene	14.192	165	18227	7.316	ng	91
52) Acenaphthene	14.674	154	69353	7.844	ng	100
53) 3-Nitroaniline	14.527	138	17668	8.736	ng	95
54) 2,4-Dinitrophenol	14.739	184	10859	10.484	ng	92
55) Dibenzofuran	15.010	168	117434	7.801	ng	97
56) 4-Nitrophenol	14.833	139	13923	9.735	ng	95
57) 2,4-Dinitrotoluene	14.980	165	24661	7.120	ng	88
58) Fluorene	15.657	166	92332	7.341	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.233	232	26598	7.116	ng	97
60) Diethylphthalate	15.421	149	95420	7.595	ng	98
61) 4-Chlorophenyl-phenyle...	15.645	204	50996	7.387	ng	97
62) 4-Nitroaniline	15.686	138	16947	8.395	ng	93
63) Azobenzene	15.939	77	112936	8.170	ng	97
65) 4,6-Dinitro-2-methylph...	15.739	198	17826	7.513	ng	87
66) n-Nitrosodiphenylamine	15.863	169	78254	7.627	ng	97
67) 4-Bromophenyl-phenylether	16.539	248	31984	7.908	ng	95
68) Hexachlorobenzene	16.657	284	35995	7.948	ng	98
69) Atrazine	16.810	200	29803	8.214	ng	98
70) Pentachlorophenol	17.004	266	25330	7.661	ng	96
71) Phenanthrene	17.392	178	152429	7.880	ng	99
72) Anthracene	17.486	178	148930	7.491	ng	100
73) Carbazole	17.757	167	133299	7.667	ng	98
74) Di-n-butylphthalate	18.309	149	159392	7.719	ng	99
75) Fluoranthene	19.403	202	183889	7.562	ng	99
77) Benzidine	19.598	184	83029	9.681	ng	99
78) Pyrene	19.768	202	198869	7.635	ng	99
80) Butylbenzylphthalate	20.656	149	73287	7.697	ng	91
81) Benzo(a)anthracene	21.509	228	219226	7.787	ng	99
82) 3,3'-Dichlorobenzidine	21.445	252	78866	8.700	ng	98
83) Chrysene	21.562	228	214339	7.835	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	107621	7.863	ng	# 98
85) Di-n-octyl phthalate	22.350	149	192153	7.979	ng	96
87) Indeno(1,2,3-cd)pyrene	26.468	276	255308	7.381	ng	98
88) Benzo(b)fluoranthene	23.203	252	237616	8.199	ng	98
89) Benzo(k)fluoranthene	23.256	252	228939	7.639	ng	100
90) Benzo(a)pyrene	23.838	252	204825	7.202	ng	# 97
91) Dibenzo(a,h)anthracene	26.479	278	222088	7.651	ng	98
92) Benzo(g,h,i)perylene	27.244	276	227197	7.890	ng	97

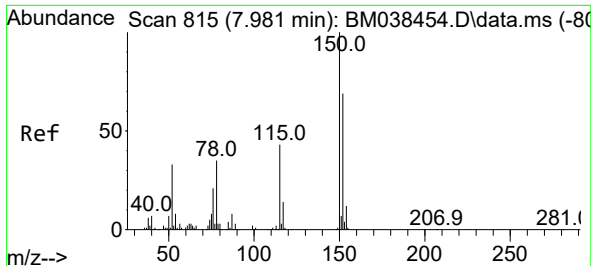
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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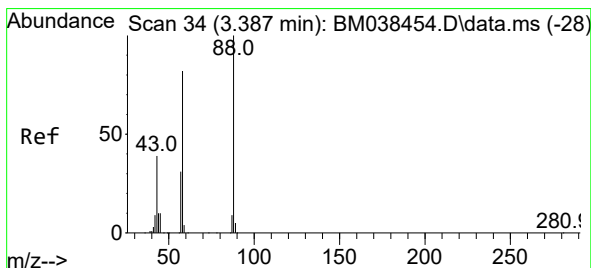
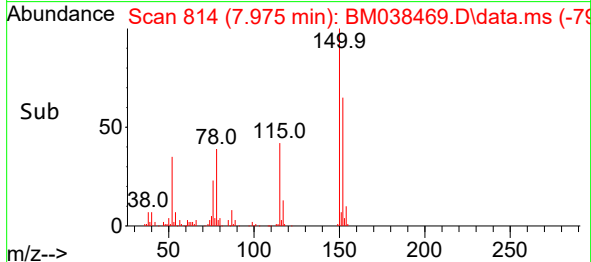
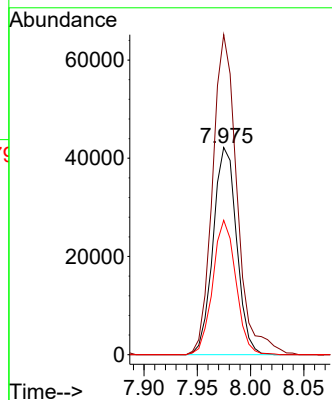
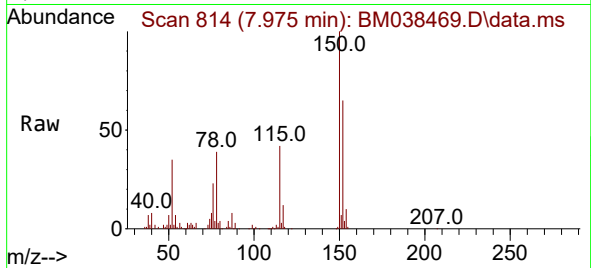




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

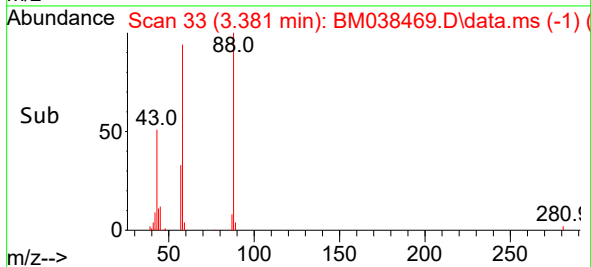
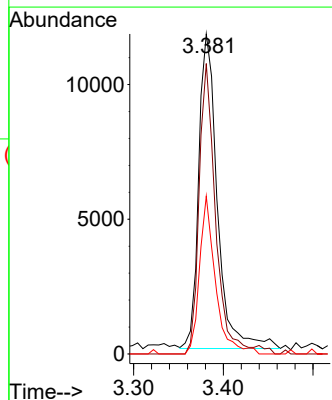
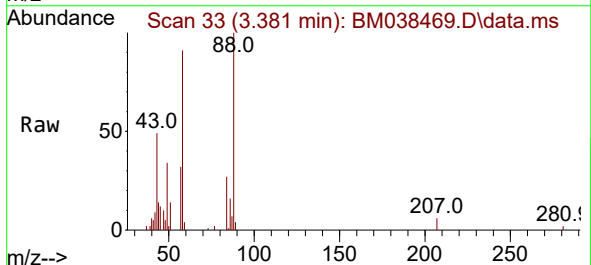
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ClientSampleId :
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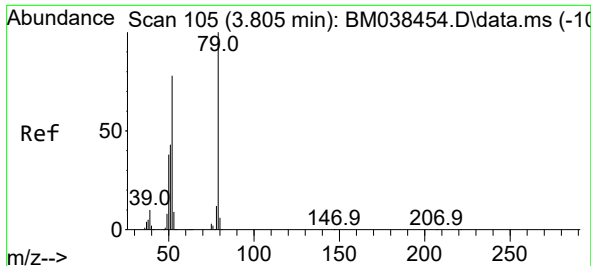
Tgt Ion:152 Resp: 64885
Ion Ratio Lower Upper
152 100
150 154.4 116.0 174.0
115 64.8 49.4 74.2



#2
1,4-Dioxane
Concen: 8.692 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 88 Resp: 16897
Ion Ratio Lower Upper
88 100
58 82.3 64.3 96.5
43 42.9 32.3 48.5

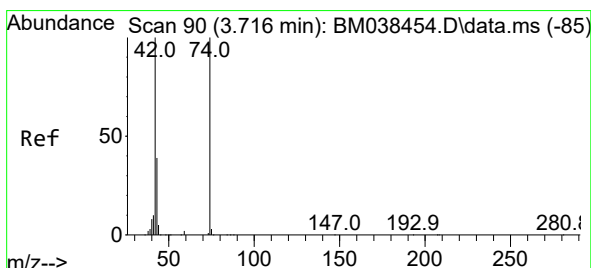
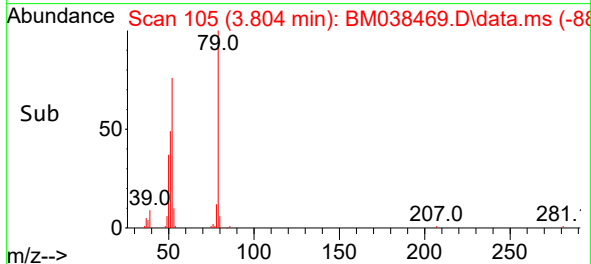
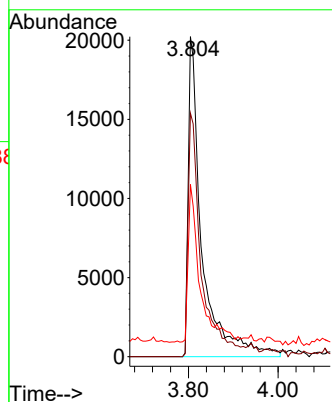
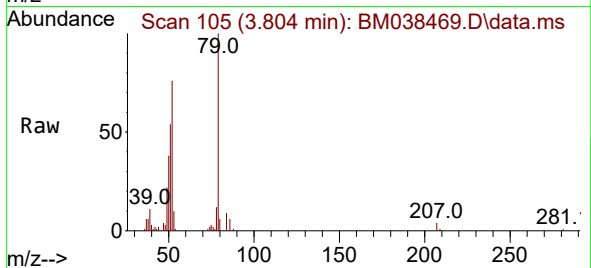




#3
Pyridine
Concen: 7.632 ng
RT: 3.804 min Scan# 105
Delta R.T. -0.000 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

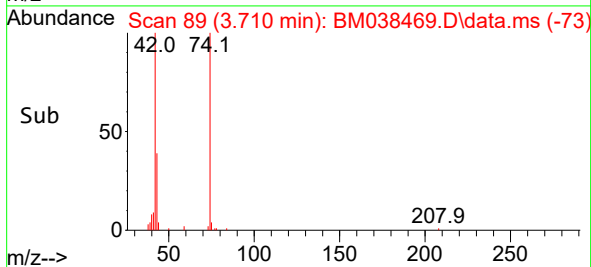
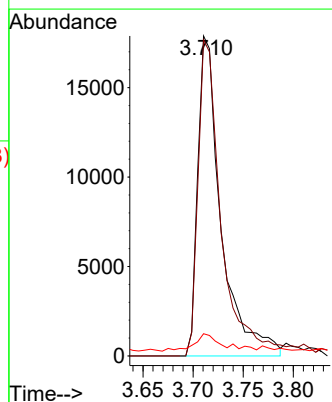
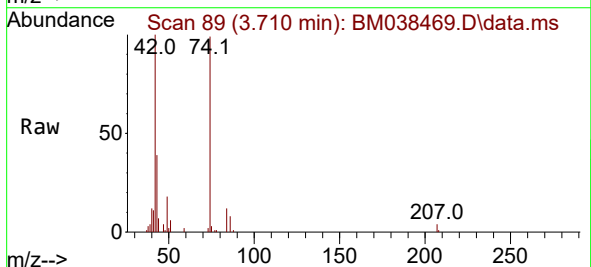
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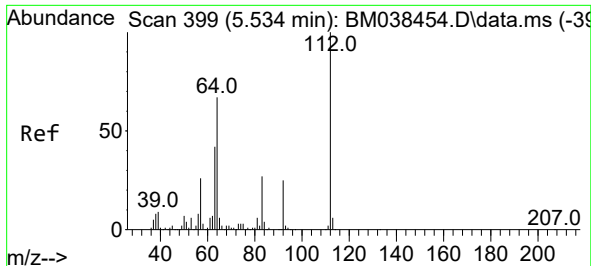
Tgt Ion: 79 Resp: 42917
Ion Ratio Lower Upper
79 100
52 76.1 62.2 93.2
51 53.8 34.8 52.2#



#4
n-Nitrosodimethylamine
Concen: 8.699 ng
RT: 3.710 min Scan# 89
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 42 Resp: 28944
Ion Ratio Lower Upper
42 100
74 98.8 79.7 119.5
44 6.9 4.7 7.1

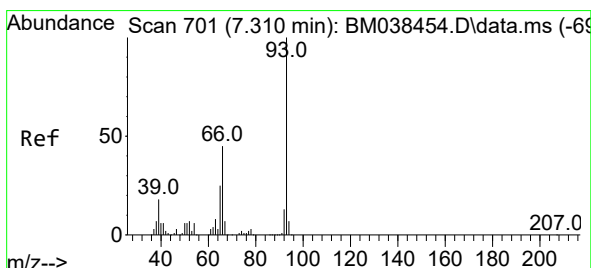
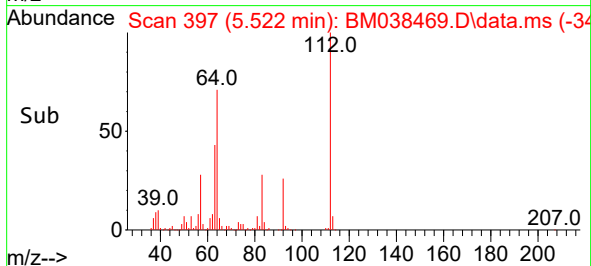
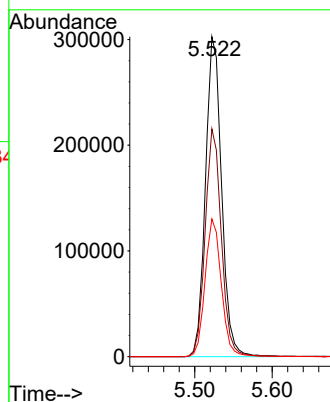
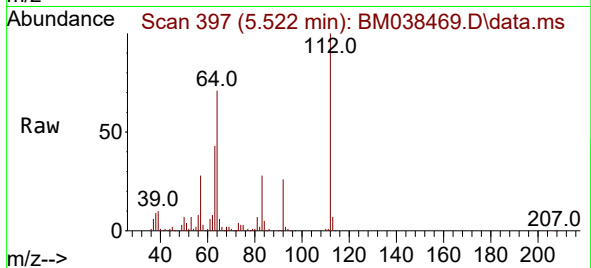




#5
2-Fluorophenol
Concen: 103.115 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

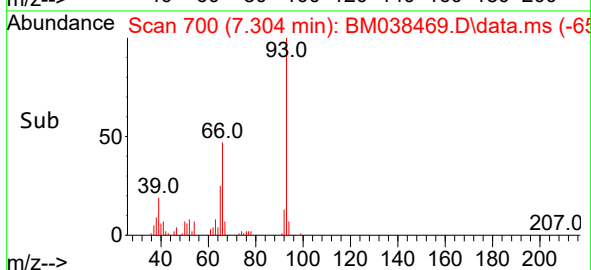
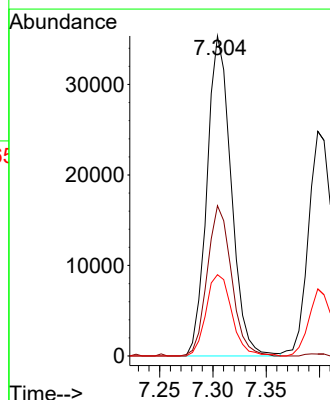
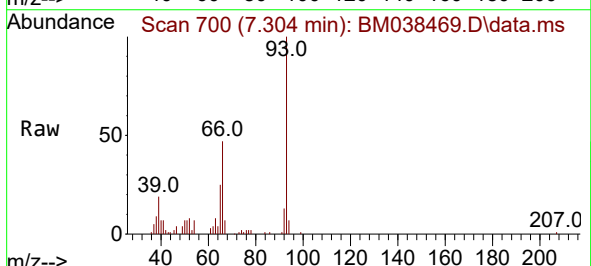
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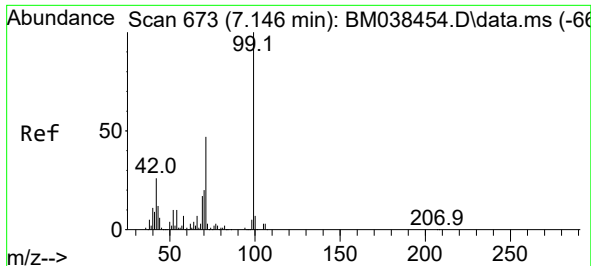
Tgt Ion:112 Resp: 438613
Ion Ratio Lower Upper
112 100
64 71.2 53.7 80.5
63 43.1 33.7 50.5



#6
Aniline
Concen: 8.110 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 93 Resp: 55819
Ion Ratio Lower Upper
93 100
66 46.9 36.2 54.2
65 25.4 19.8 29.8

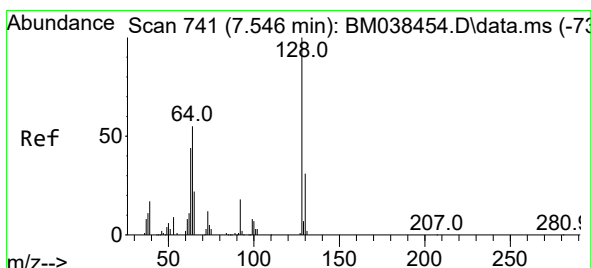
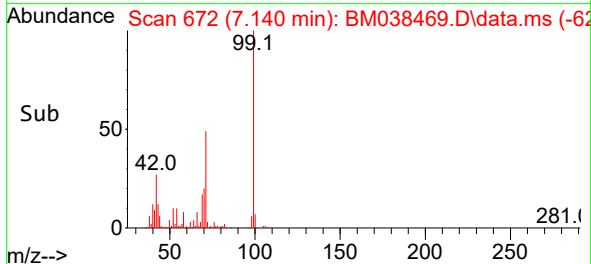
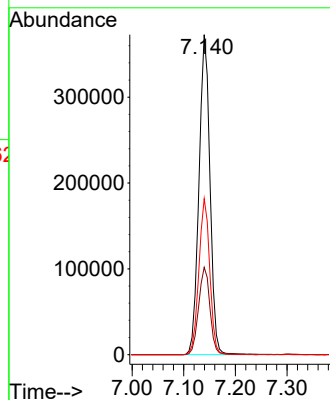
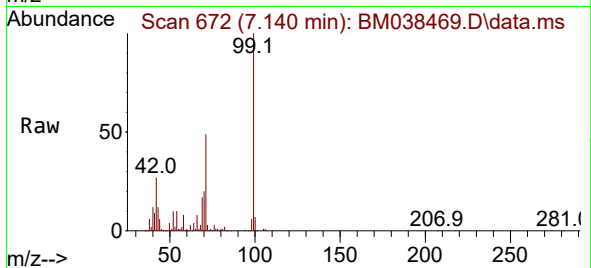




#7
Phenol-d6
Concen: 101.249 ng
RT: 7.140 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

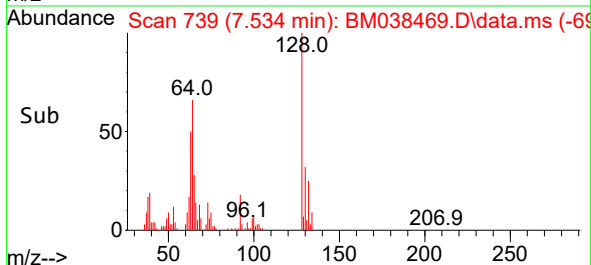
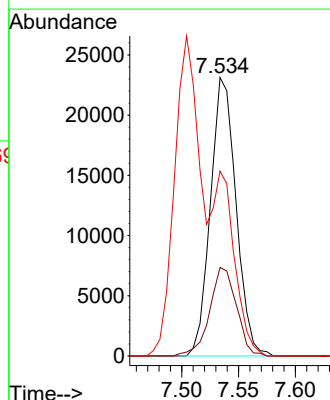
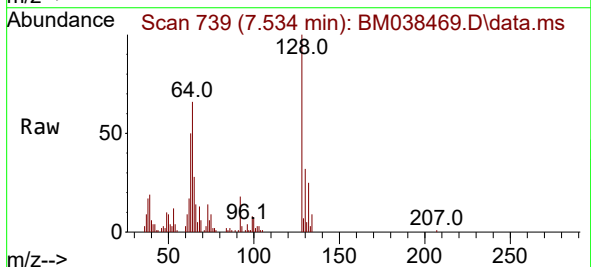
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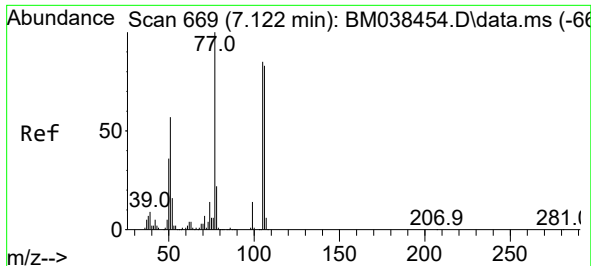
Tgt Ion: 99 Resp: 551691
Ion Ratio Lower Upper
99 100
42 27.3 20.8 31.2
71 48.7 37.8 56.8



#8
2-Chlorophenol
Concen: 8.603 ng
RT: 7.534 min Scan# 739
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 128 Resp: 36231
Ion Ratio Lower Upper
128 100
130 31.7 11.5 51.5
64 66.4 38.0 78.0

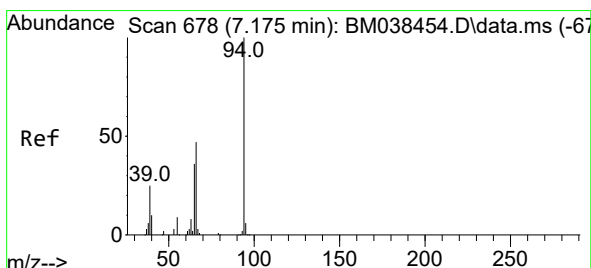
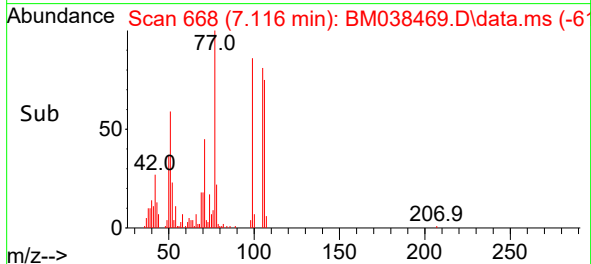
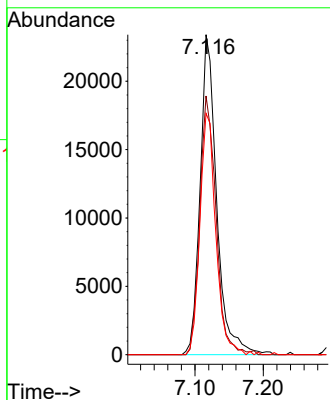
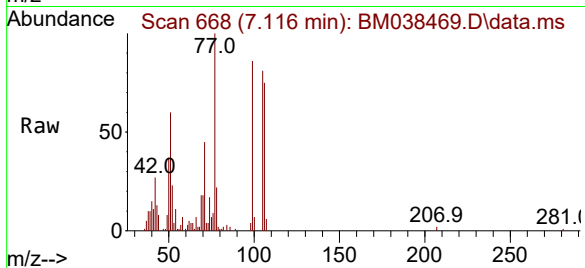




#9
Benzaldehyde
Concen: 10.892 ng
RT: 7.116 min Scan# 609
Delta R.T. -0.006 min
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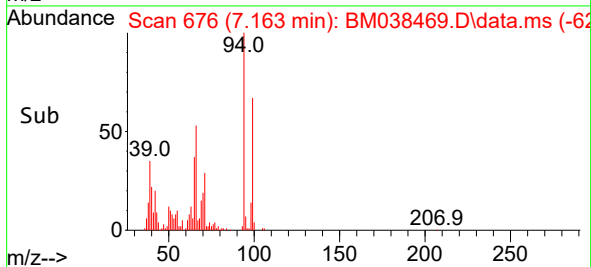
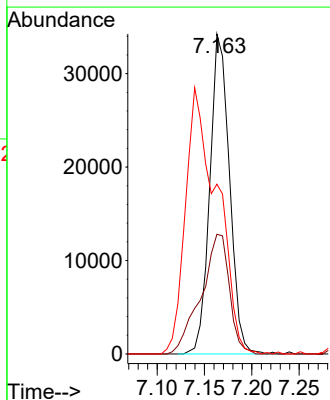
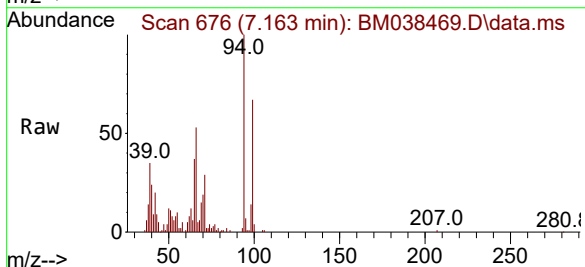
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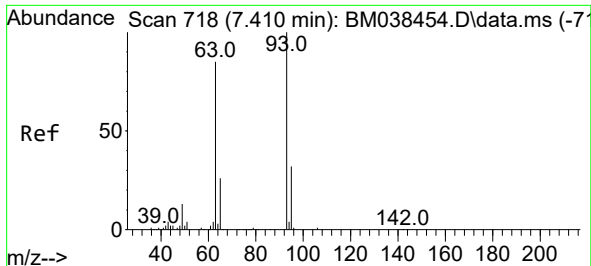
Tgt Ion: 77 Resp: 39686
Ion Ratio Lower Upper
77 100
105 80.9 65.3 105.3
106 75.4 62.5 102.5



#10
Phenol
Concen: 8.704 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038469.D
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Tgt Ion: 94 Resp: 49421
Ion Ratio Lower Upper
94 100
65 37.4 16.3 56.3
66 53.0 29.2 69.2

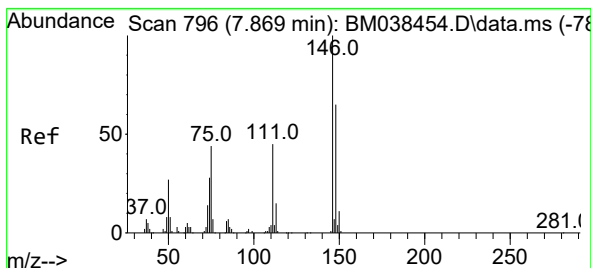
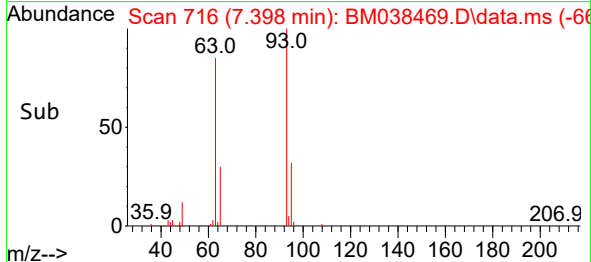
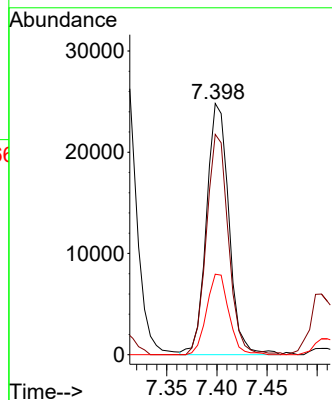
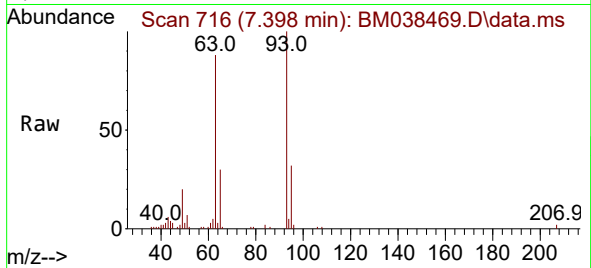




#11
bis(2-Chloroethyl)ether
Concen: 8.409 ng
RT: 7.398 min Scan# 716
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

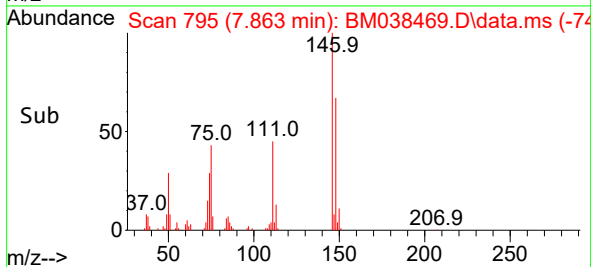
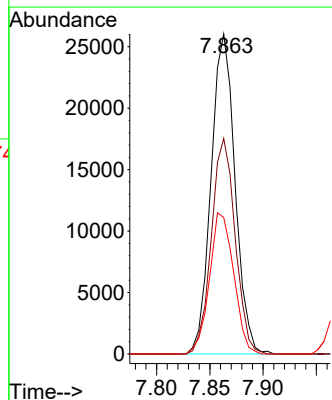
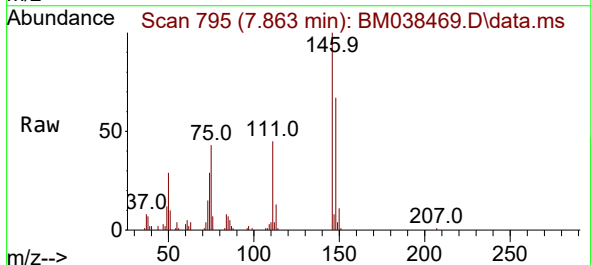
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

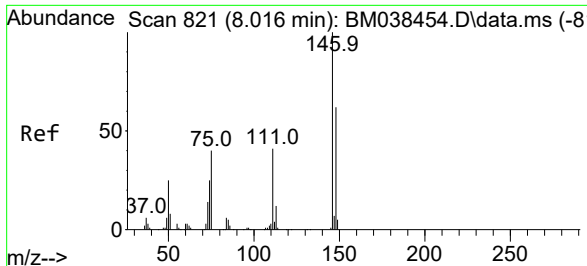
Tgt Ion: 93 Resp: 38694
Ion Ratio Lower Upper
93 100
63 87.7 64.6 104.6
95 32.0 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 9.014 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:146 Resp: 40668
Ion Ratio Lower Upper
146 100
148 67.3 51.8 77.8
75 42.6 35.1 52.7





#13

1,4-Dichlorobenzene

Concen: 9.112 ng

RT: 8.010 min Scan# 81

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

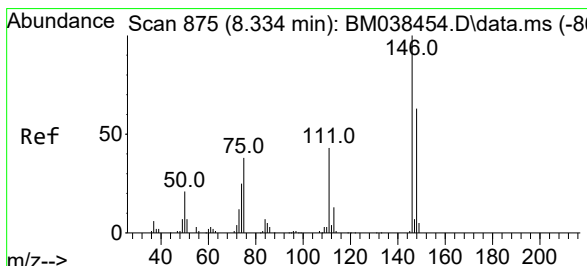
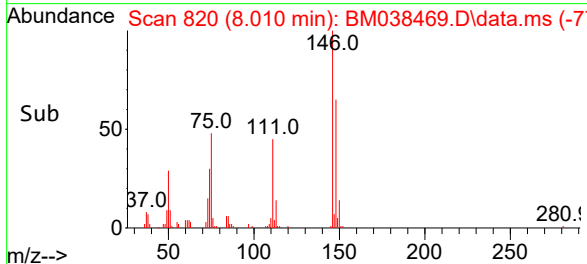
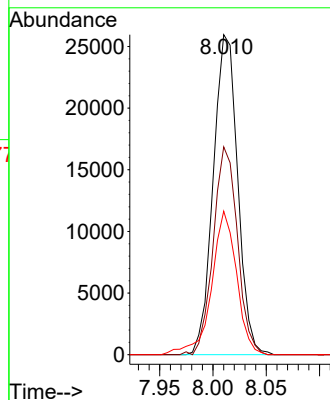
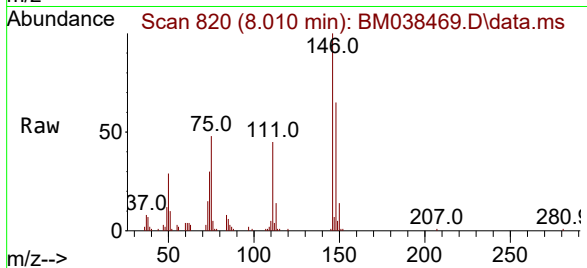
Tgt Ion:146 Resp: 41359

Ion Ratio Lower Upper

146 100

148 64.9 50.1 75.1

111 44.9 32.8 49.2



#14

1,2-Dichlorobenzene

Concen: 9.073 ng

RT: 8.328 min Scan# 874

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

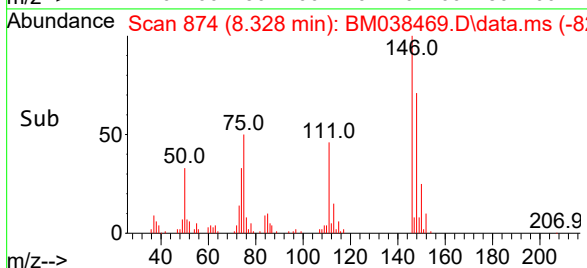
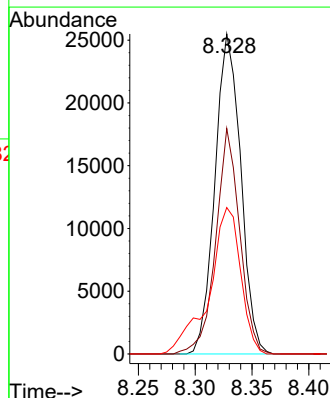
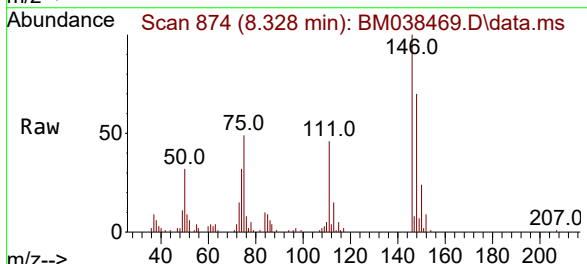
Tgt Ion:146 Resp: 40265

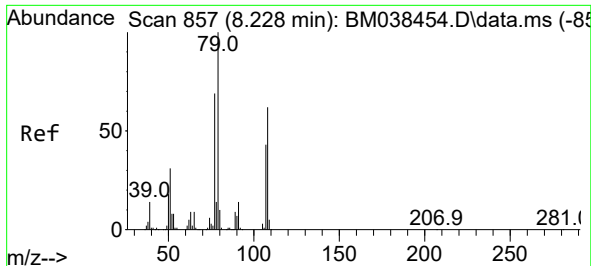
Ion Ratio Lower Upper

146 100

148 70.4 50.7 76.1

111 45.8 35.2 52.8

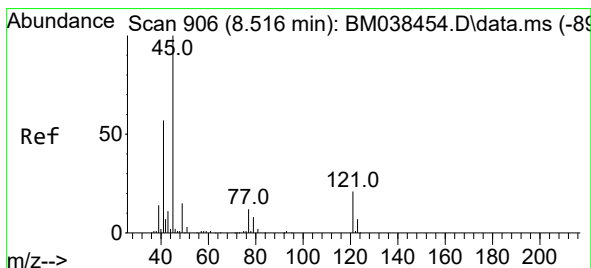
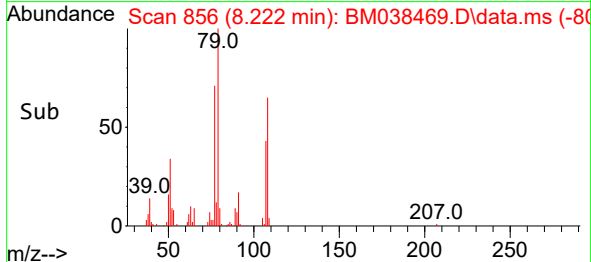
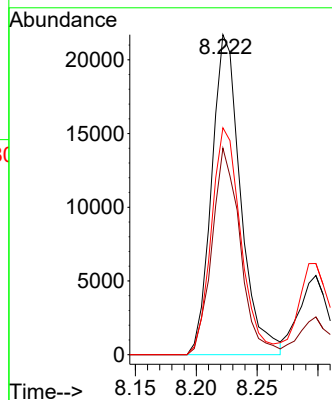
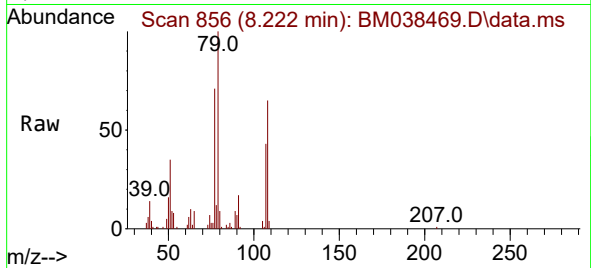




#15
Benzyl Alcohol
Concen: 8.233 ng
RT: 8.222 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

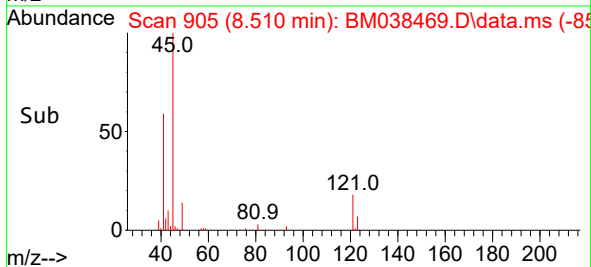
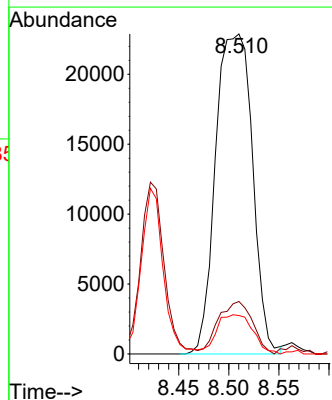
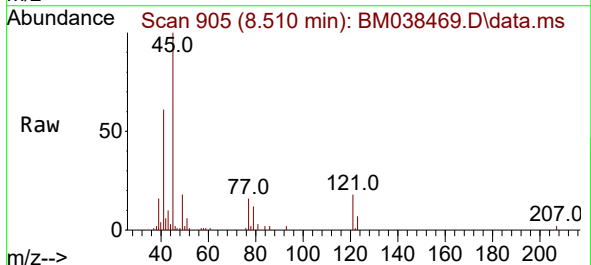
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

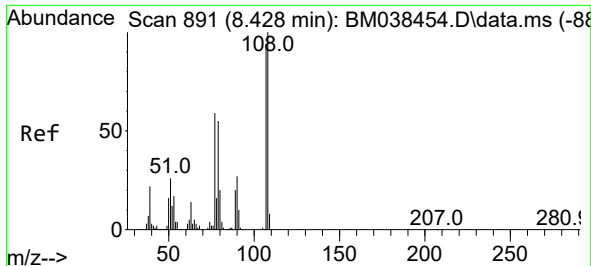
Tgt Ion: 79 Resp: 35930
Ion Ratio Lower Upper
79 100
108 64.5 49.3 73.9
77 70.9 55.1 82.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.111 ng
RT: 8.510 min Scan# 905
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 45 Resp: 58453
Ion Ratio Lower Upper
45 100
77 16.4 0.0 34.7
79 12.0 0.0 30.4

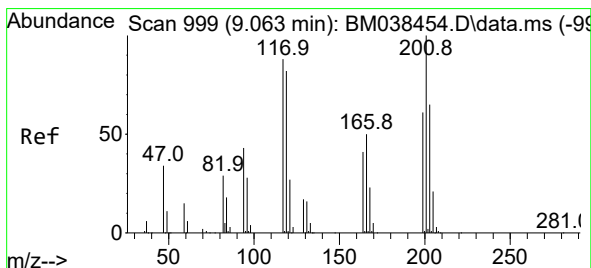
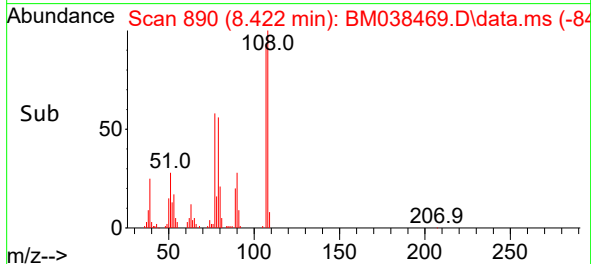
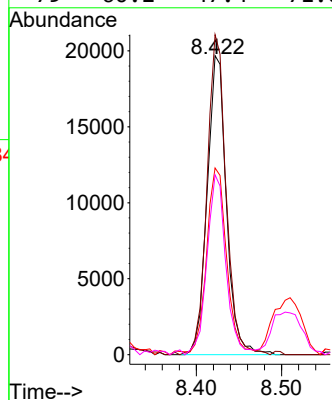
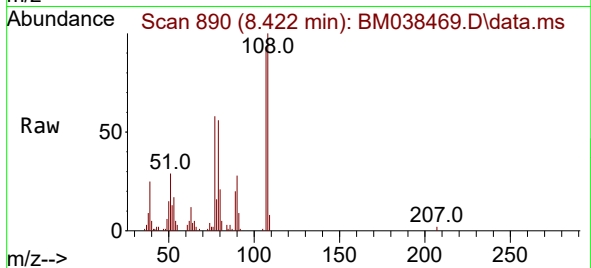




#17
2-Methylphenol
Concen: 8.053 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

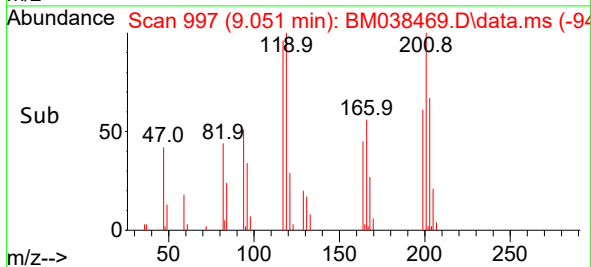
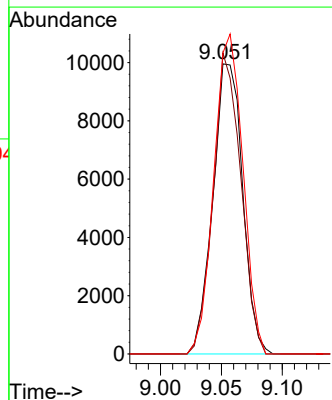
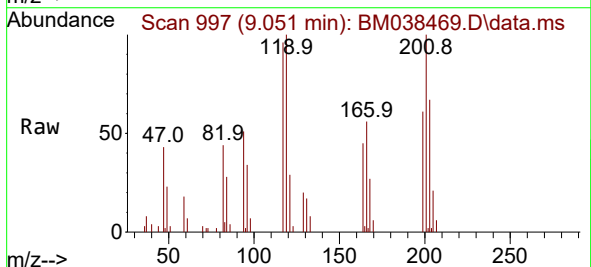
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

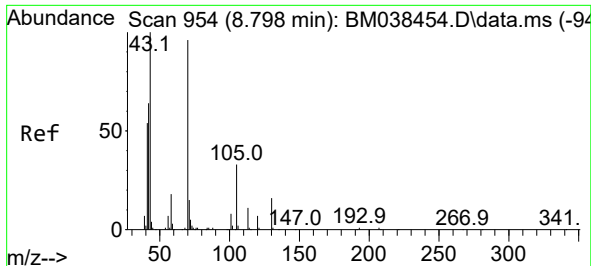
Tgt Ion:	107	Resp:	30884
Ion Ratio	Lower	Upper	
107	100		
108	107.0	85.7	128.5
77	62.4	50.5	75.7
79	60.2	47.4	71.0



#18
Hexachloroethane
Concen: 9.112 ng
RT: 9.051 min Scan# 997
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:	117	Resp:	16941
Ion Ratio	Lower	Upper	
117	100		
119	103.8	74.5	111.7
201	103.8	91.3	136.9

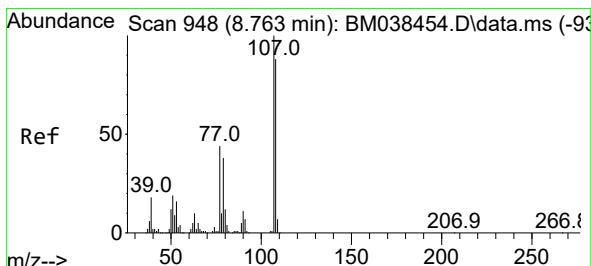
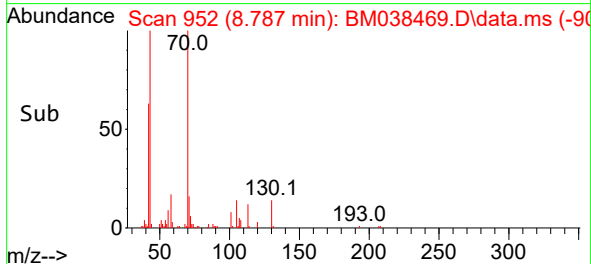
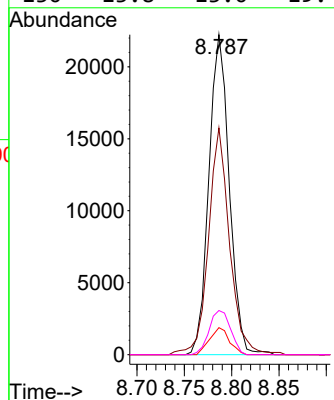
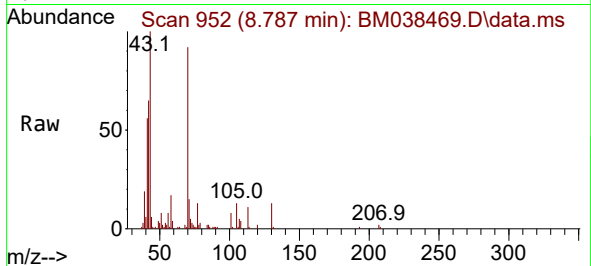




#19
n-Nitroso-di-n-propylamine
Concen: 8.437 ng
RT: 8.787 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

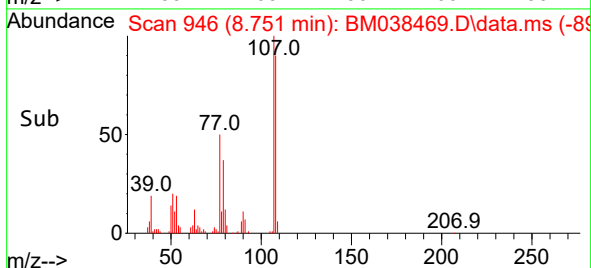
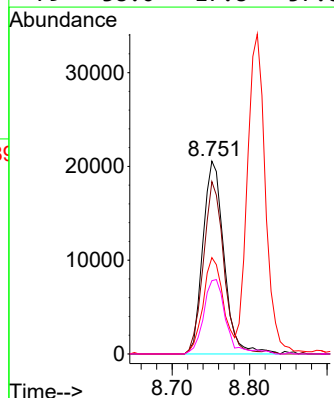
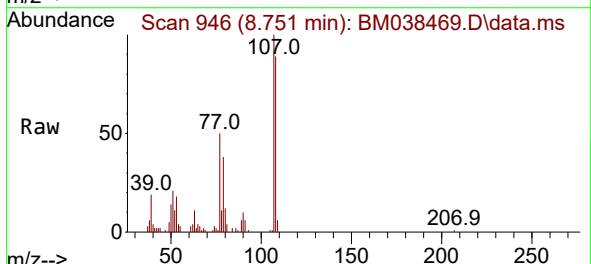
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

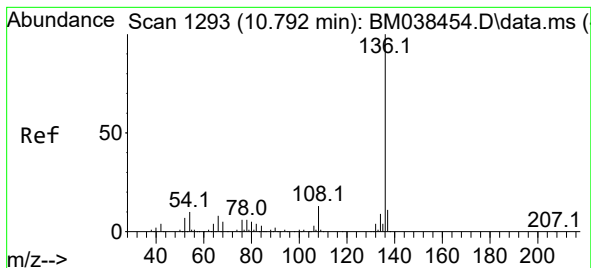
Tgt Ion:	70	Resp:	33370
Ion	Ratio	Lower	Upper
70	100		
42	70.9	54.2	81.2
101	8.5	6.6	10.0
130	13.8	13.0	19.4



#20
3+4-Methylphenols
Concen: 7.557 ng
RT: 8.751 min Scan# 946
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:	107	Resp:	38914
Ion	Ratio	Lower	Upper
107	100		
108	89.4	67.6	107.6
77	50.0	24.1	64.1
79	38.0	17.8	57.8

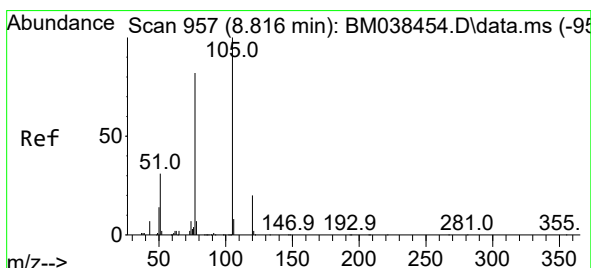
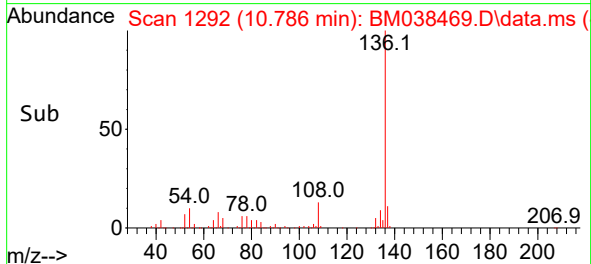
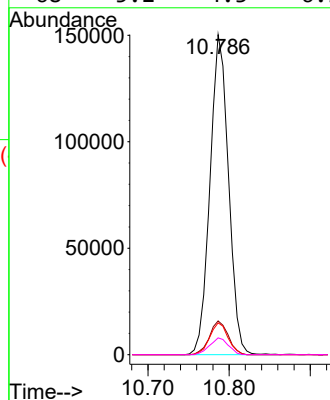
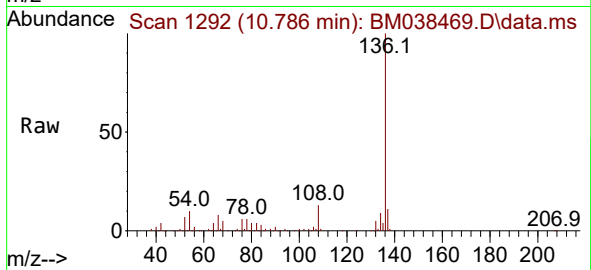




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

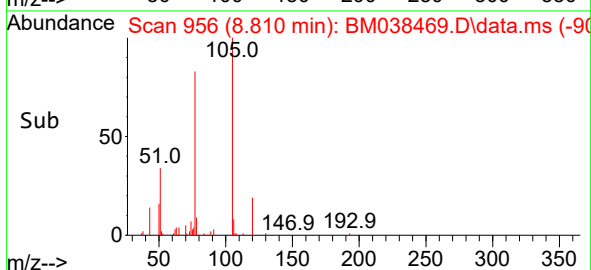
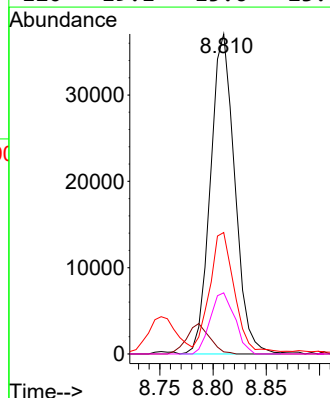
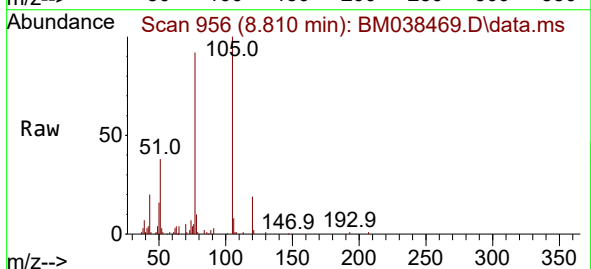
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022

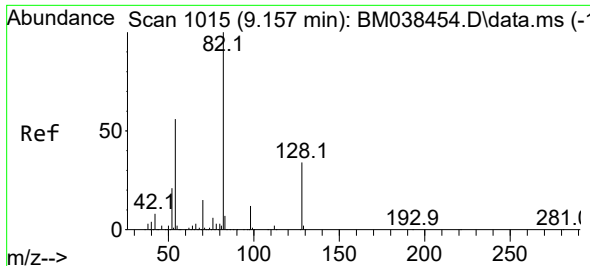
Tgt Ion:136	Resp:	237876	
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	9.9	7.6	11.4
68	5.2	4.3	6.5



#22
Acetophenone
Concen: 8.352 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt	Ion:105	Resp:	58728
Ion	Ratio	Lower	Upper
105	100		
71	0.7	1.0	1.6#
51	37.9	27.4	41.2
120	19.1	15.6	23.4





#23

Nitrobenzene-d5

Concen: 69.063 ng

RT: 9.151 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

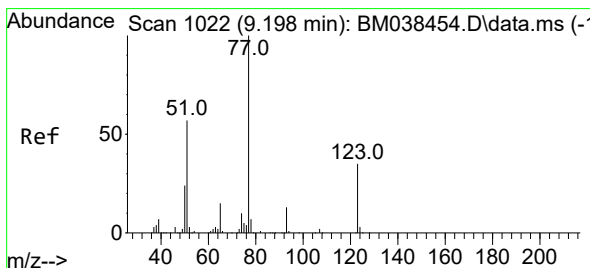
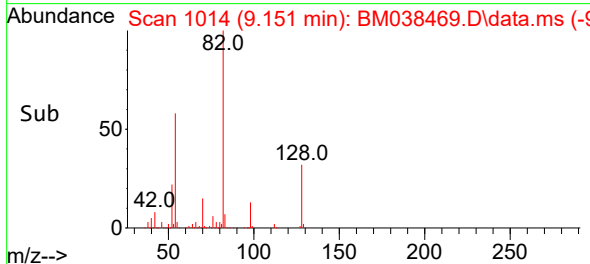
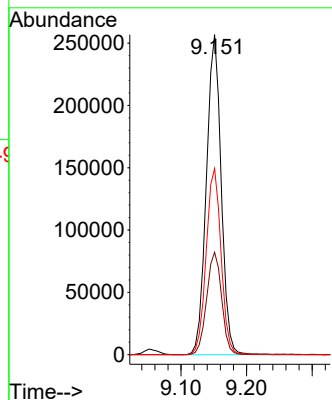
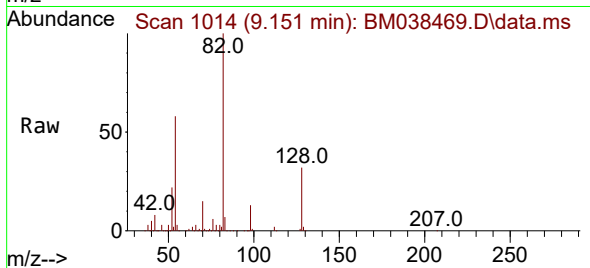
Tgt Ion: 82 Resp: 403199

Ion Ratio Lower Upper

82 100

128 32.0 27.0 40.6

54 58.2 45.0 67.6



#24

Nitrobenzene

Concen: 8.992 ng

RT: 9.192 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

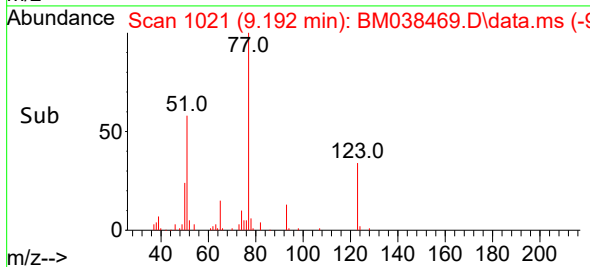
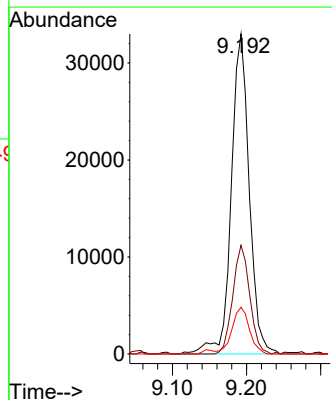
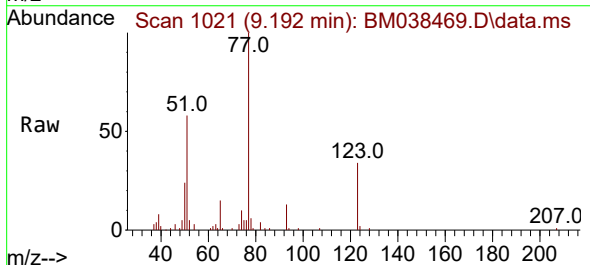
Tgt Ion: 77 Resp: 55467

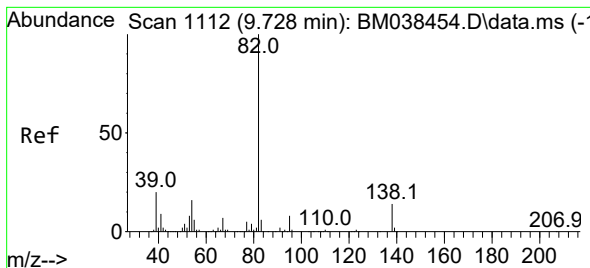
Ion Ratio Lower Upper

77 100

123 33.9 28.2 42.4

65 14.6 12.1 18.1





#25

Isophorone

Concen: 8.229 ng

RT: 9.716 min Scan# 1110

Delta R.T. -0.012 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

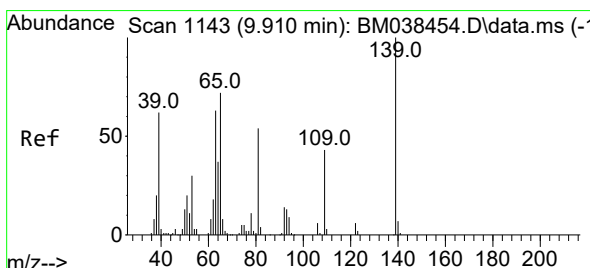
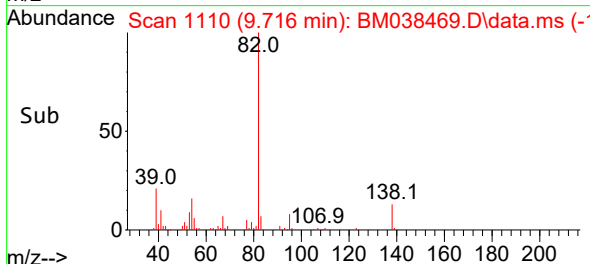
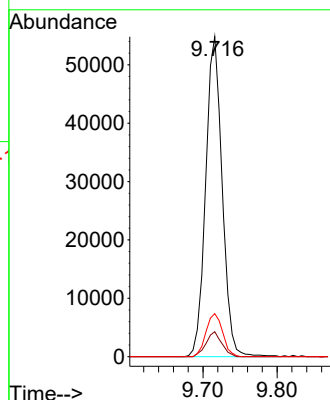
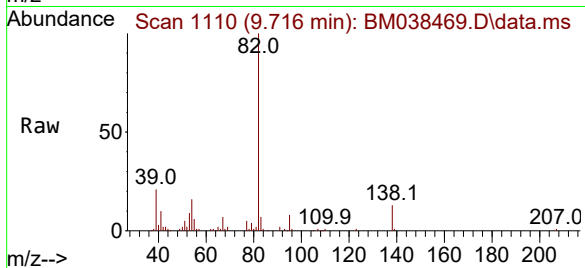
Tgt Ion: 82 Resp: 85098

Ion Ratio Lower Upper

82 100

95 7.8 6.1 9.1

138 13.4 11.5 17.3



#26

2-Nitrophenol

Concen: 7.907 ng

RT: 9.904 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

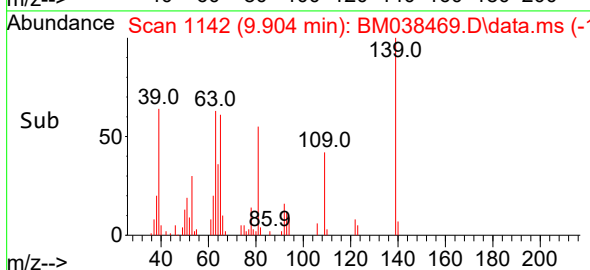
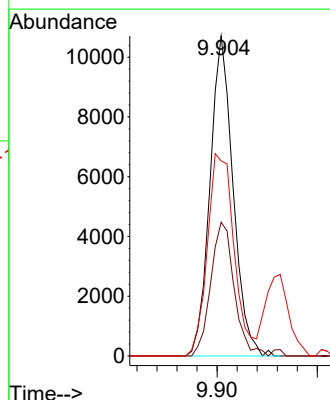
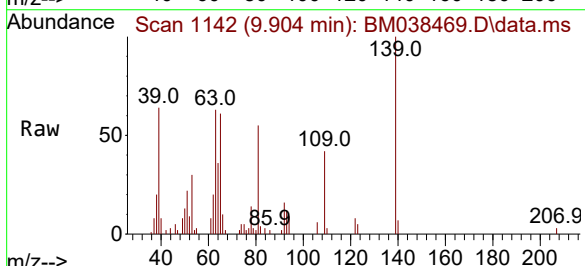
Tgt Ion: 139 Resp: 17123

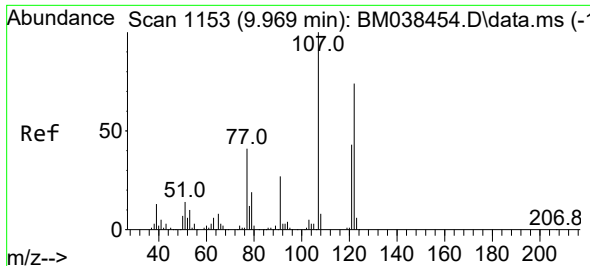
Ion Ratio Lower Upper

139 100

109 41.8 34.7 52.1

65 61.0 57.4 86.0

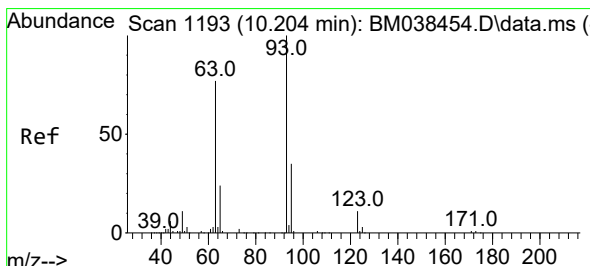
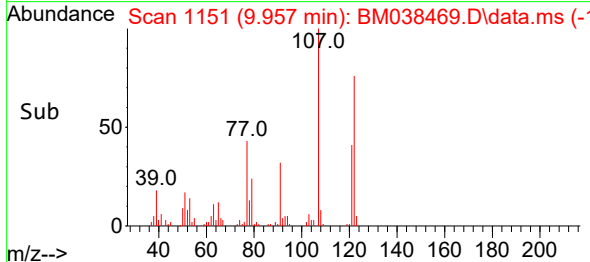
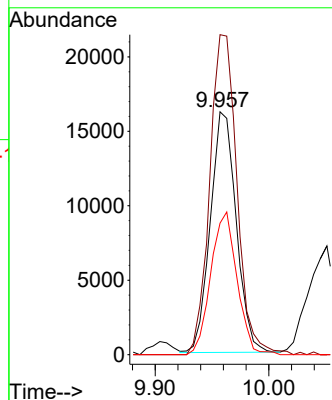
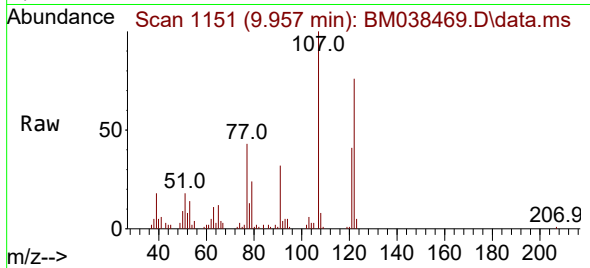




#27
2,4-Dimethylphenol
Concen: 6.938 ng
RT: 9.957 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

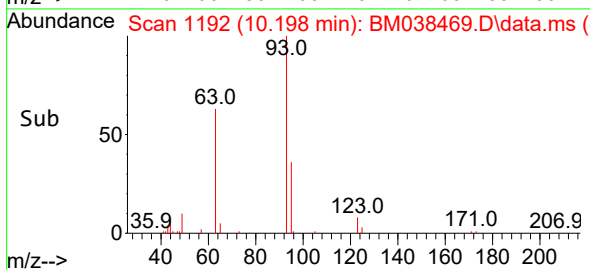
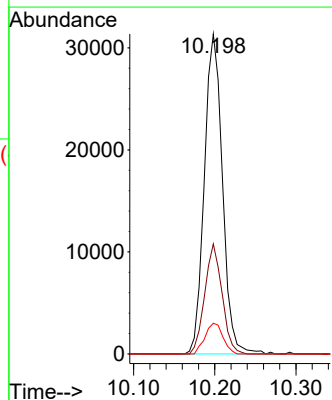
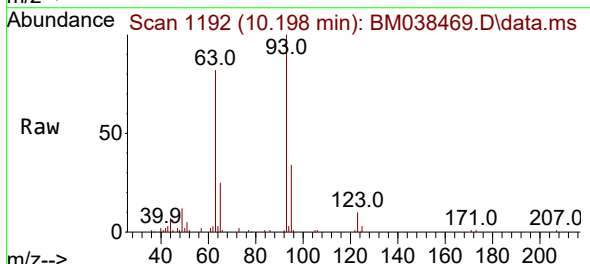
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022

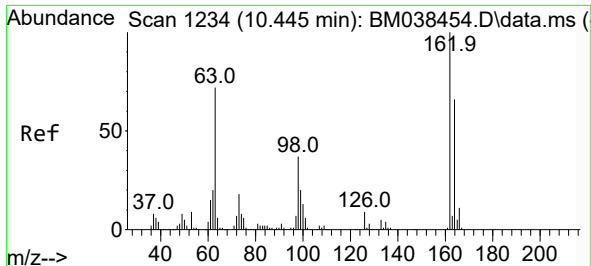
Tgt Ion:122 Resp: 25584
Ion Ratio Lower Upper
122 100
107 131.8 107.4 161.0
121 54.1 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 8.356 ng
RT: 10.198 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 93 Resp: 48595
Ion Ratio Lower Upper
93 100
95 34.4 27.7 41.5
123 9.6 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 7.826 ng

RT: 10.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

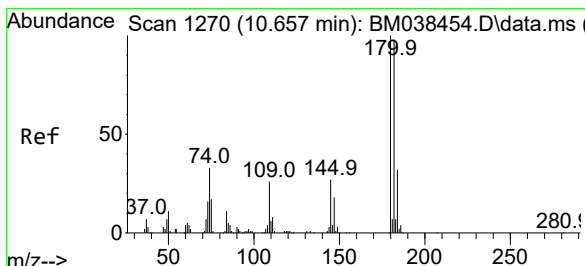
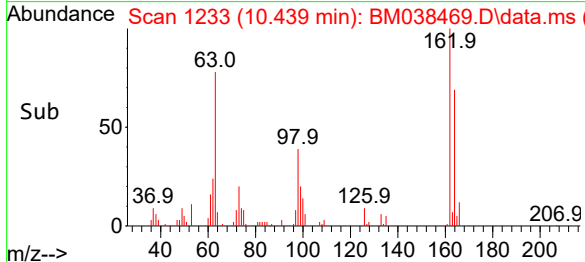
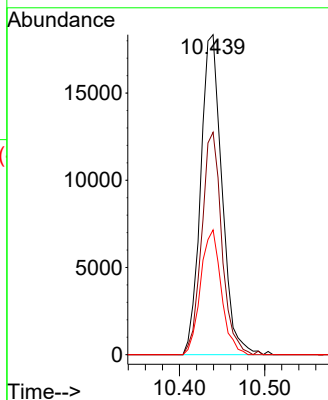
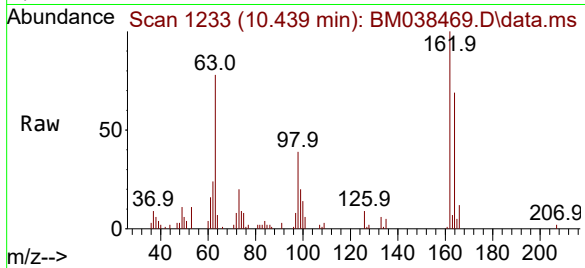
Tgt Ion:162 Resp: 31882

Ion Ratio Lower Upper

162 100

164 69.5 46.5 86.5

98 39.0 17.1 57.1



#30

1,2,4-Trichlorobenzene

Concen: 8.015 ng

RT: 10.651 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

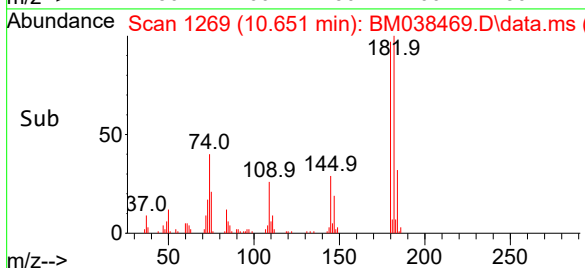
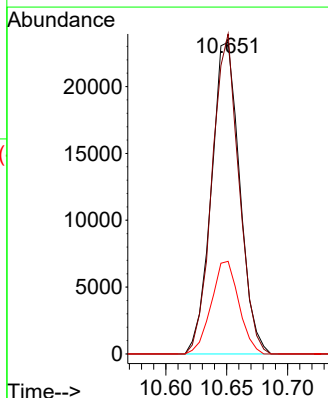
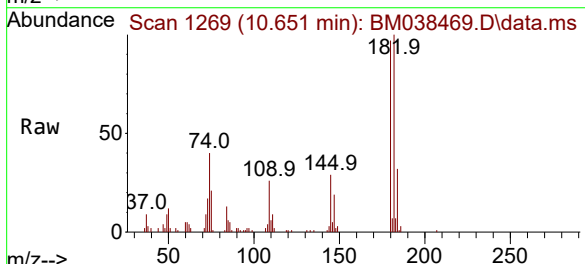
Tgt Ion:180 Resp: 37758

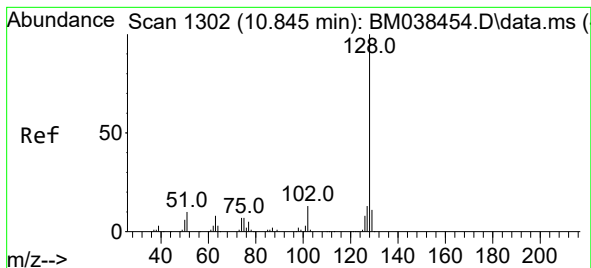
Ion Ratio Lower Upper

180 100

182 102.7 78.1 117.1

145 29.7 21.9 32.9





#31

Naphthalene

Concen: 8.187 ng

RT: 10.839 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

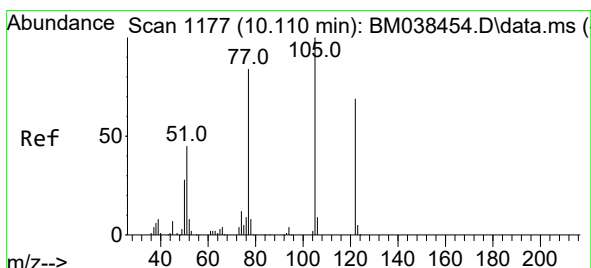
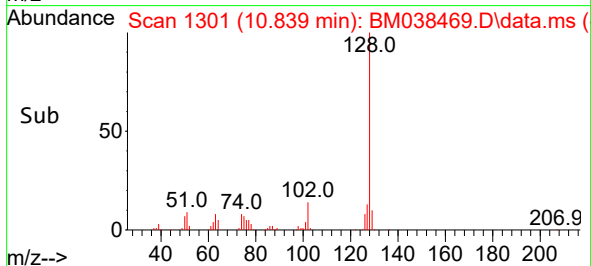
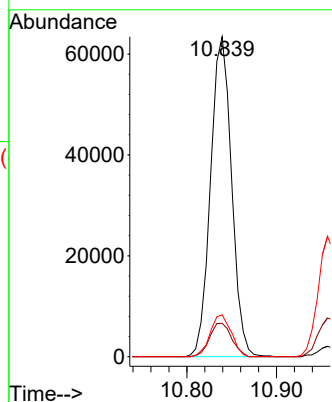
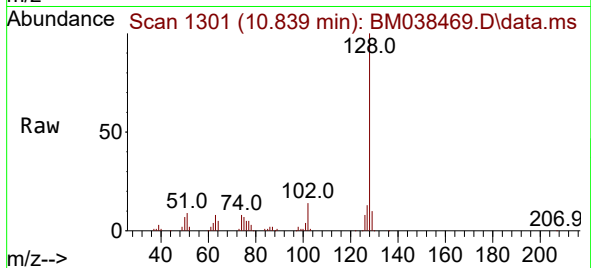
Tgt Ion:128 Resp: 103206

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

127 13.1 10.8 16.2



#32

Benzoic acid

Concen: 9.026 ng

RT: 10.051 min Scan# 1167

Delta R.T. -0.059 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

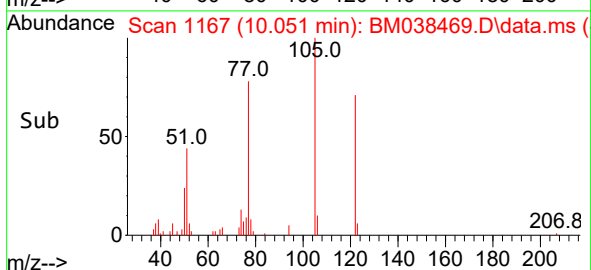
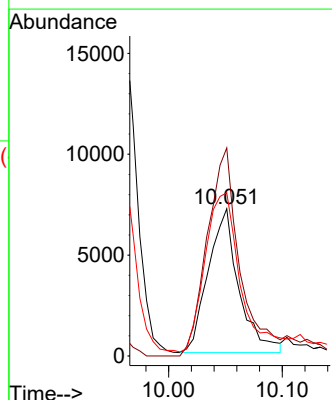
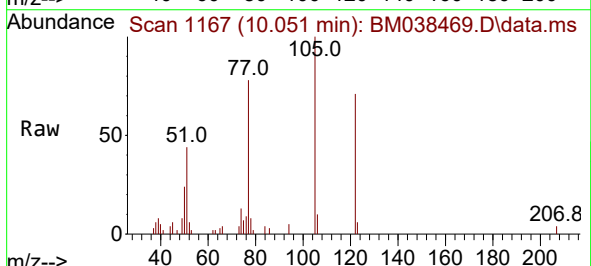
Tgt Ion:122 Resp: 13455

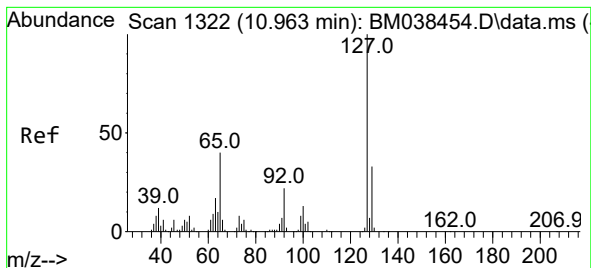
Ion Ratio Lower Upper

122 100

105 141.2 122.6 162.6

77 110.8 101.5 141.5





#33

4-Chloroaniline

Concen: 7.384 ng

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038469.D

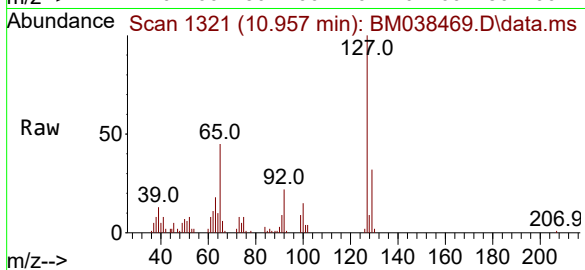
Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:127 Resp: 40859

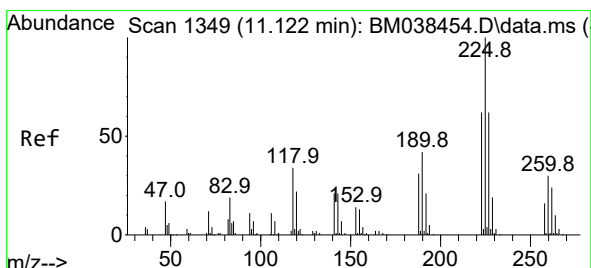
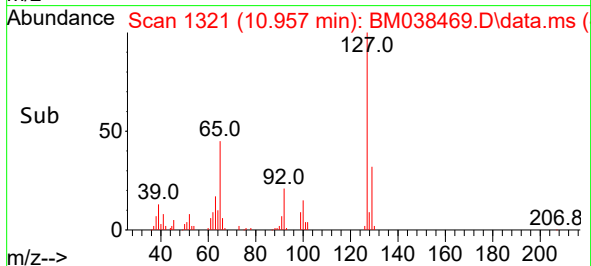
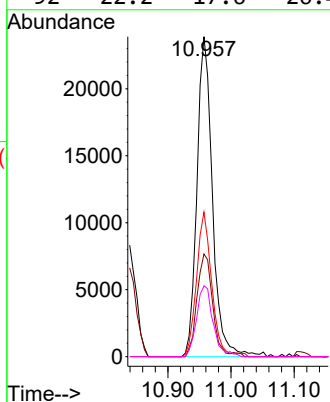
Ion Ratio Lower Upper

127 100

129 32.1 26.4 39.6

65 45.1 32.1 48.1

92 22.2 17.6 26.4



#34

Hexachlorobutadiene

Concen: 8.180 ng

RT: 11.116 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

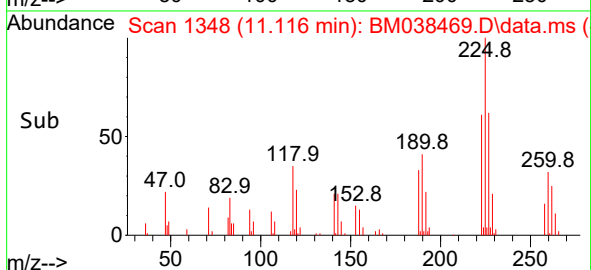
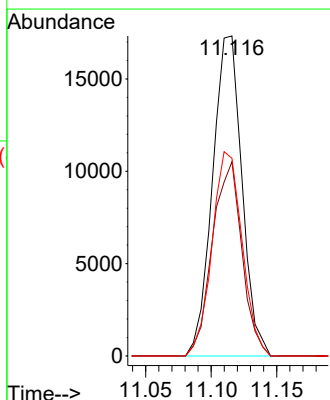
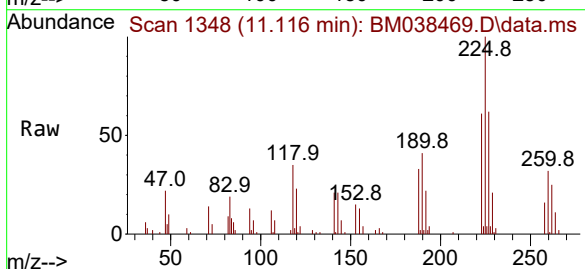
Tgt Ion:225 Resp: 27026

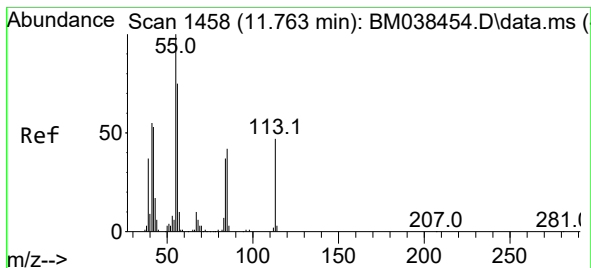
Ion Ratio Lower Upper

225 100

223 58.1 49.8 74.8

227 62.5 49.6 74.4

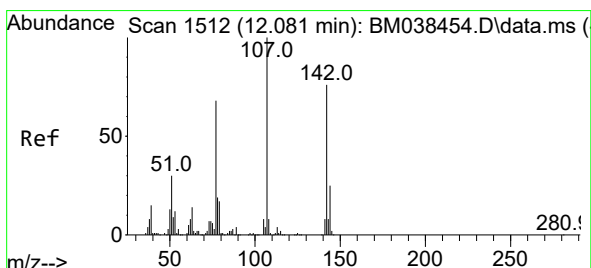
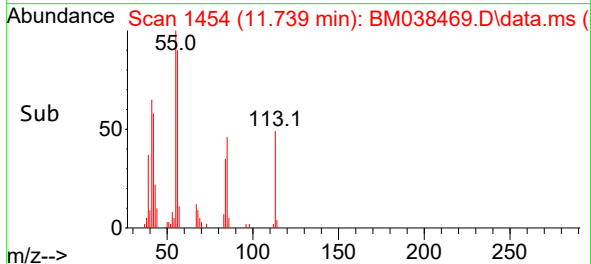
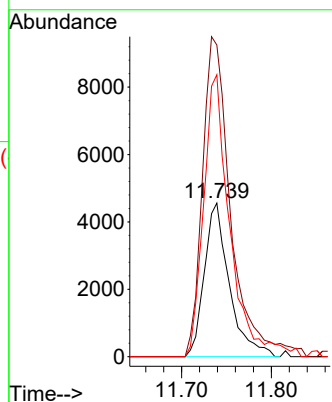
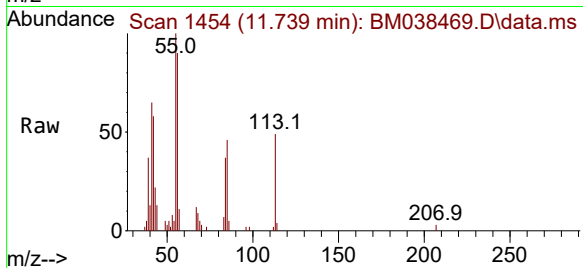




#35
Caprolactam
Concen: 7.643 ng
RT: 11.739 min Scan# 1454
Delta R.T. -0.024 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

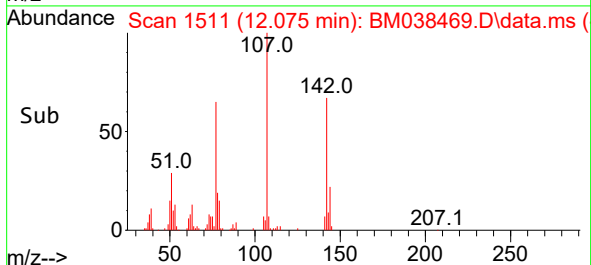
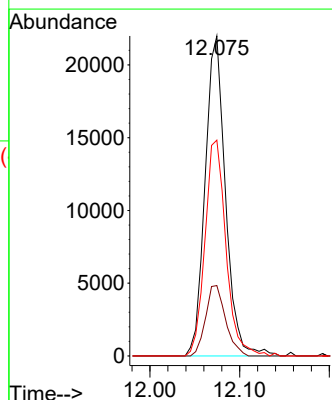
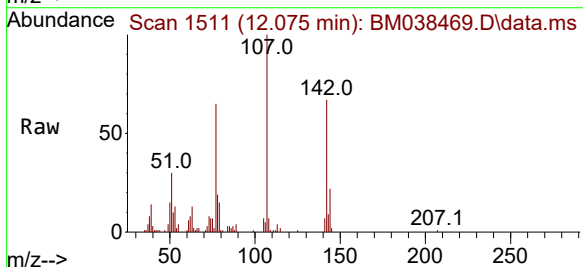
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

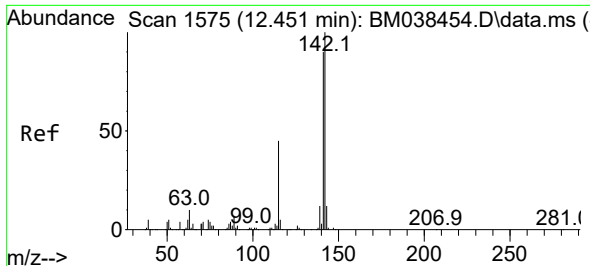
Tgt Ion:113 Resp: 8801
Ion Ratio Lower Upper
113 100
55 202.8 194.2 234.2
56 183.4 141.6 181.6#



#36
4-Chloro-3-methylphenol
Concen: 7.806 ng
RT: 12.075 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:107 Resp: 34674
Ion Ratio Lower Upper
107 100
144 22.0 20.3 30.5
142 67.4 61.2 91.8

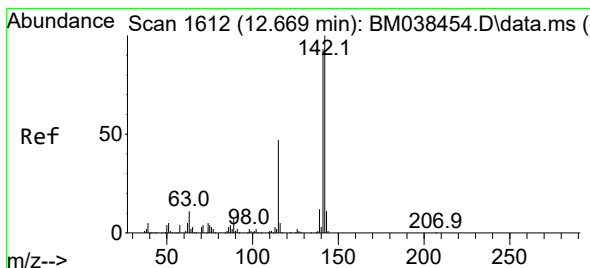
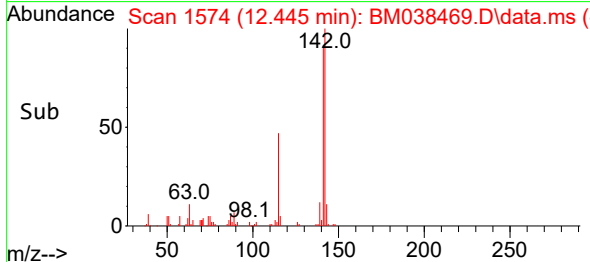
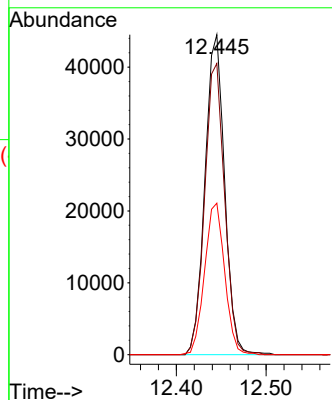
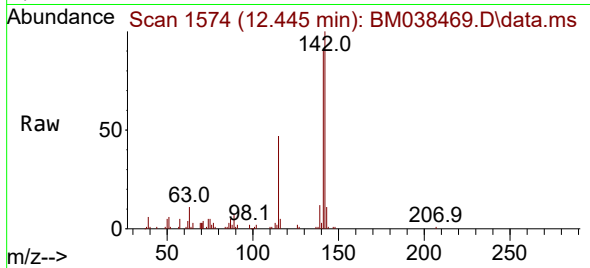




#37
2-Methylnaphthalene
Concen: 7.347 ng
RT: 12.445 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

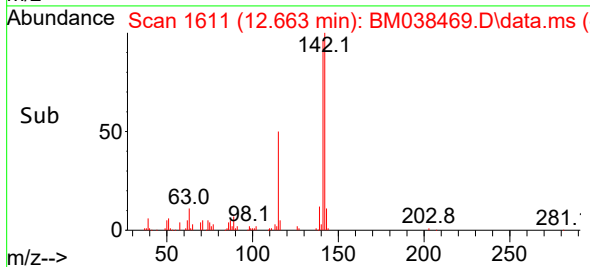
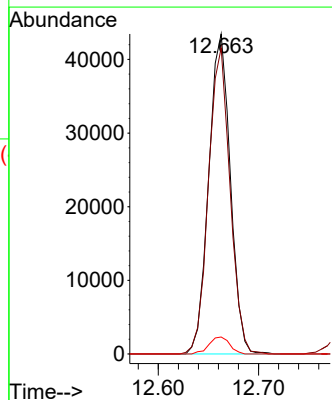
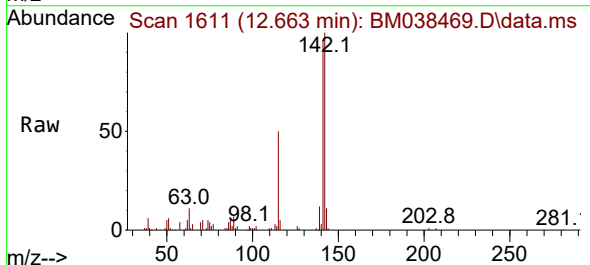
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

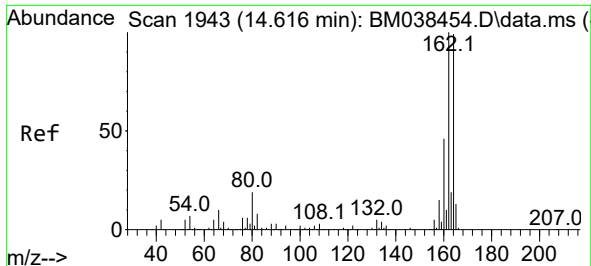
Tgt Ion:142 Resp: 67728
Ion Ratio Lower Upper
142 100
141 91.0 72.0 108.0
115 47.4 35.9 53.9



#38
1-Methylnaphthalene
Concen: 7.535 ng
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:142 Resp: 65208
Ion Ratio Lower Upper
142 100
141 95.6 74.4 111.6
116 5.3 3.8 5.8

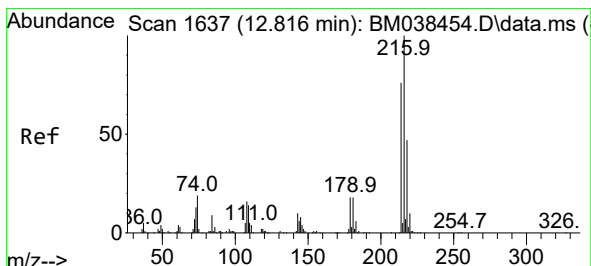
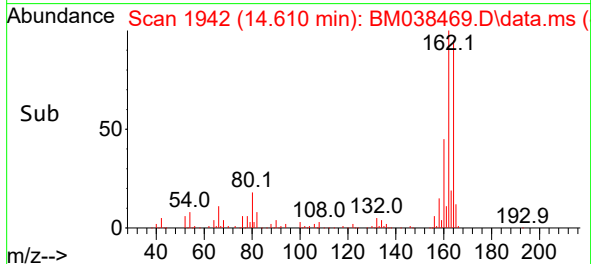
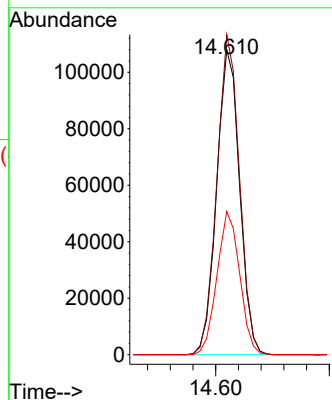
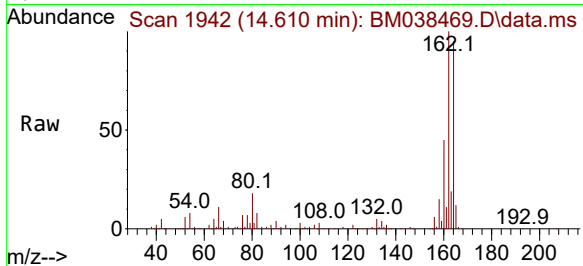




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

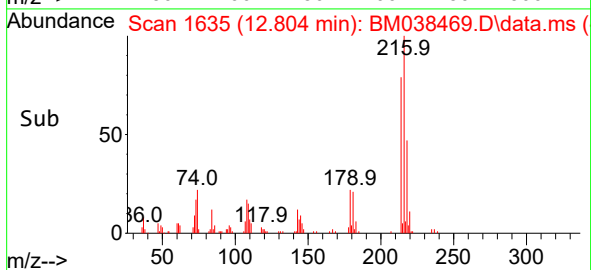
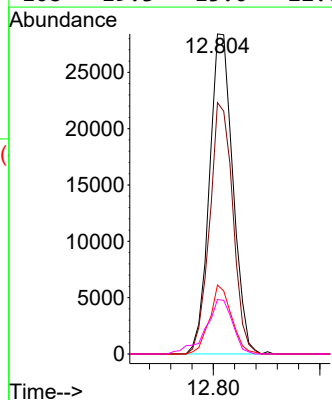
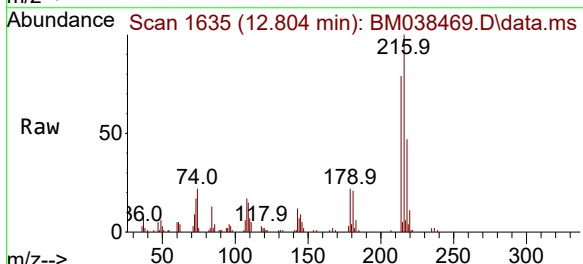
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

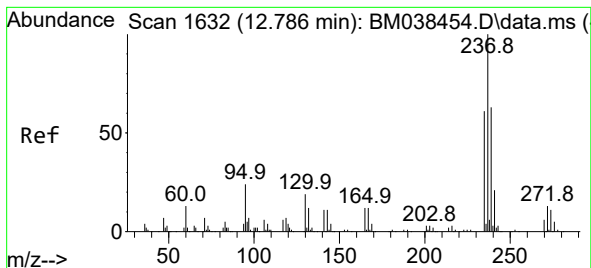
Tgt Ion:164 Resp: 151116
Ion Ratio Lower Upper
164 100
162 104.9 80.9 121.3
160 47.0 37.4 56.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.699 ng
RT: 12.804 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:216 Resp: 43546
Ion Ratio Lower Upper
216 100
214 77.4 61.4 92.0
179 20.1 15.3 22.9
108 19.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 7.240 ng

RT: 12.780 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

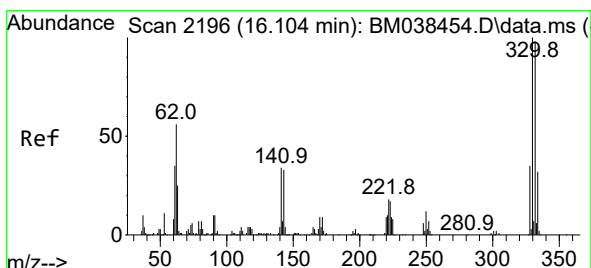
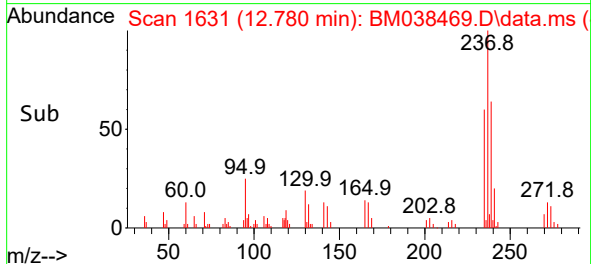
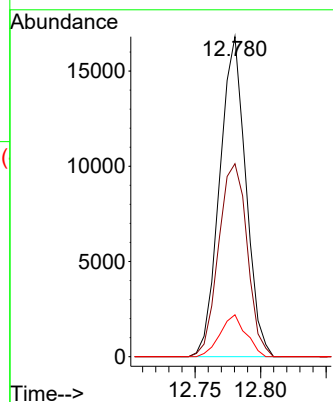
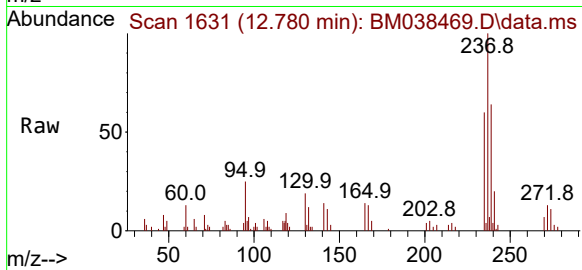
Tgt Ion:237 Resp: 23283

Ion Ratio Lower Upper

237 100

235 60.3 40.9 80.9

272 13.1 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 100.645 ng

RT: 16.098 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

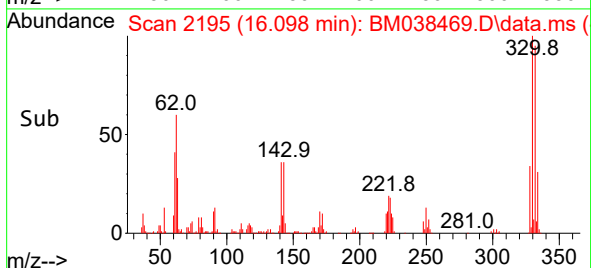
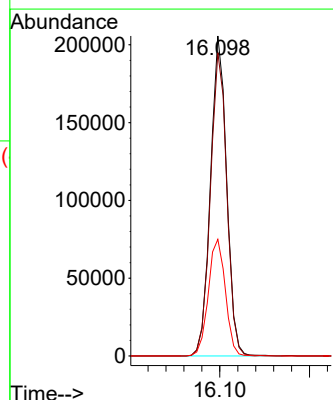
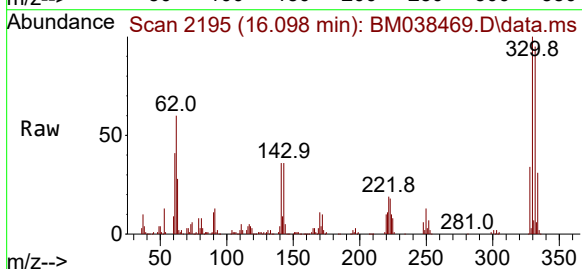
Tgt Ion:330 Resp: 257110

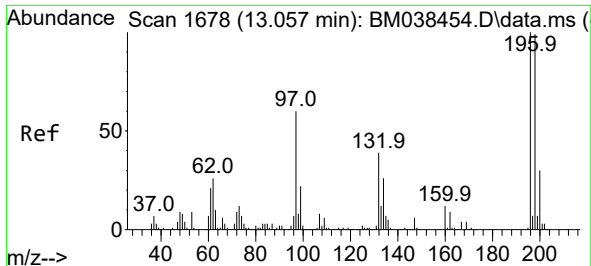
Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.4

141 38.4 28.1 42.1

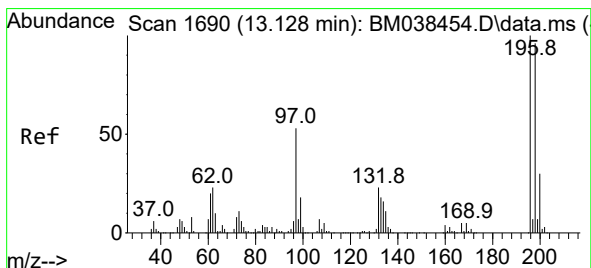
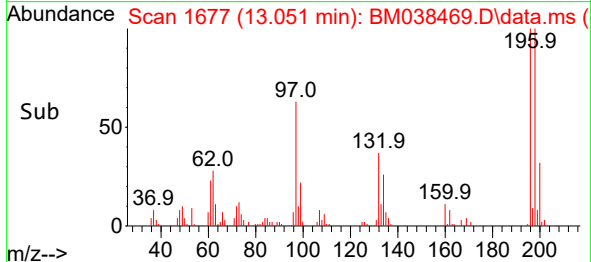
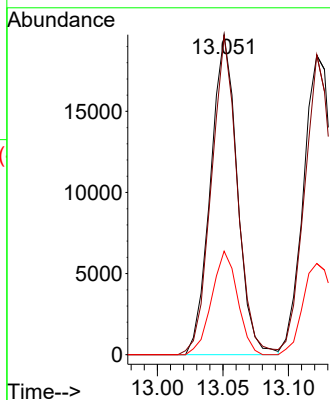
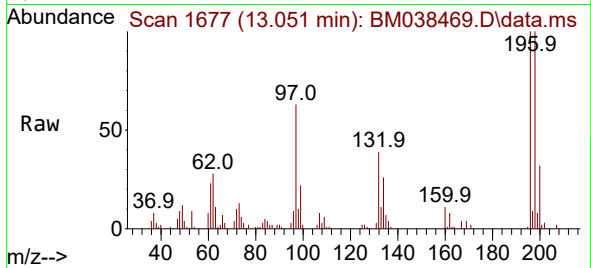




#43
2,4,6-Trichlorophenol
Concen: 7.812 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

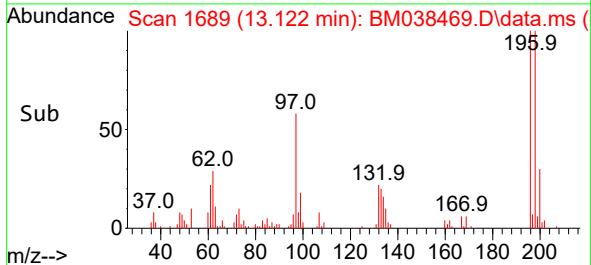
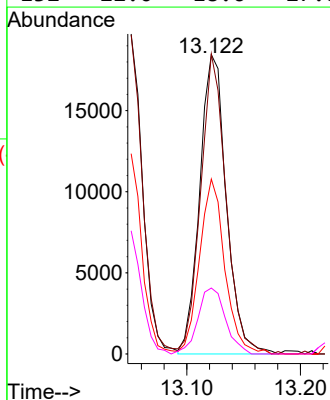
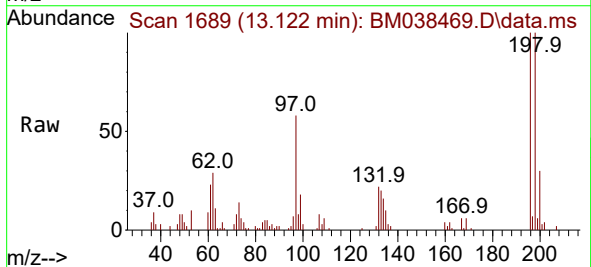
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

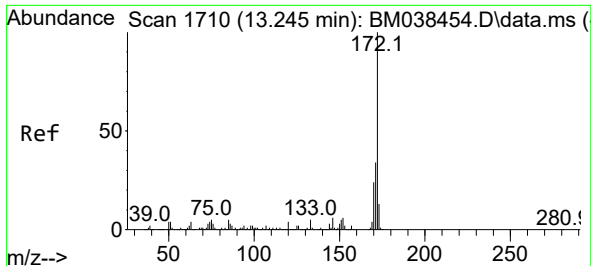
Tgt Ion:196 Resp: 27932
Ion Ratio Lower Upper
196 100
198 99.7 78.8 118.2
200 34.2 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 7.133 ng
RT: 13.122 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:196 Resp: 30067
Ion Ratio Lower Upper
196 100
198 100.2 77.4 116.2
97 58.4 42.4 63.6
132 22.0 18.6 27.8

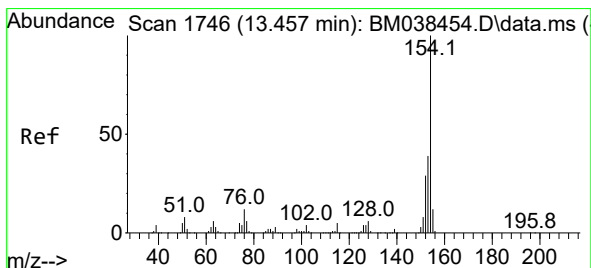
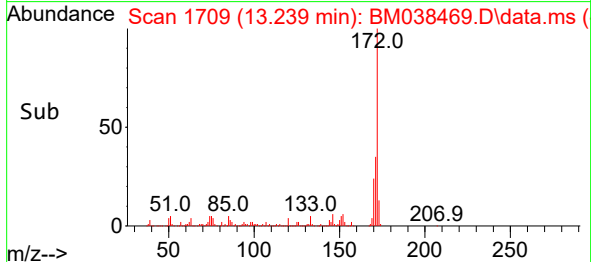
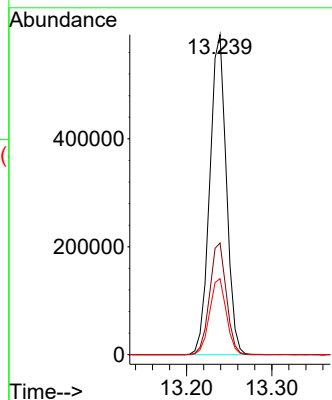
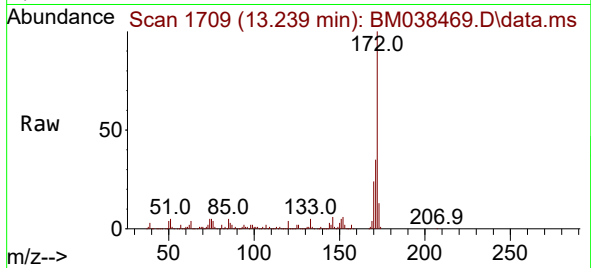




#45
2-Fluorobiphenyl
Concen: 66.199 ng
RT: 13.239 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

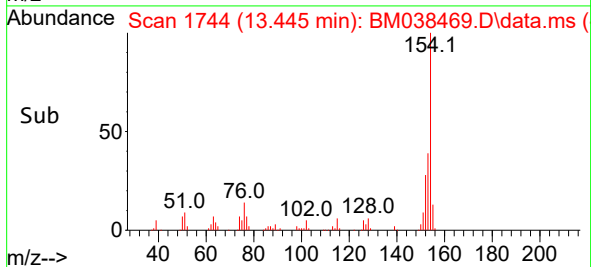
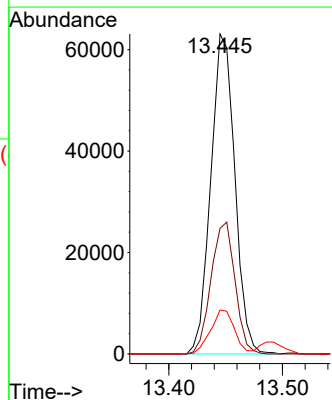
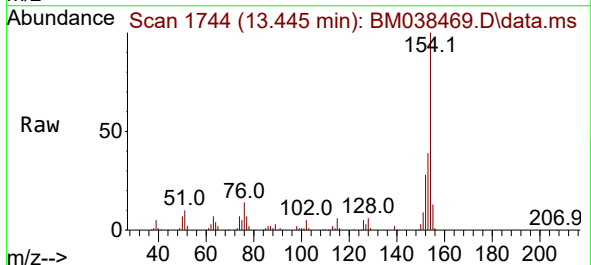
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

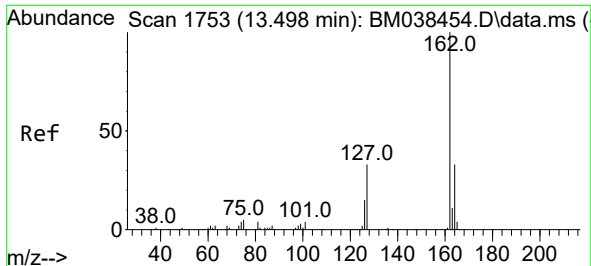
Tgt Ion:172 Resp: 802155
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.8 19.0 28.6



#46
1,1'-Biphenyl
Concen: 7.914 ng
RT: 13.445 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:154 Resp: 92777
Ion Ratio Lower Upper
154 100
153 39.3 19.3 59.3
76 13.7 0.0 32.2

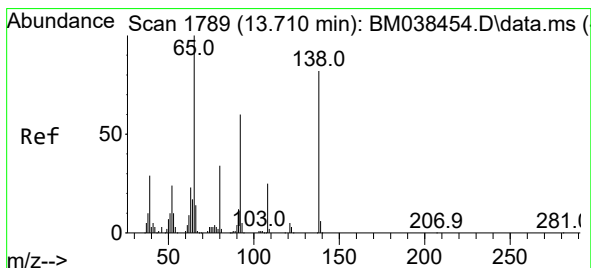
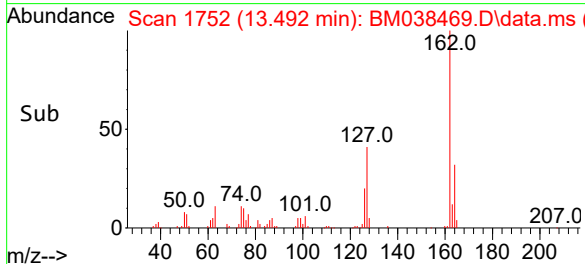
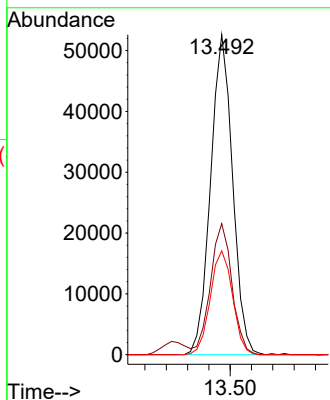
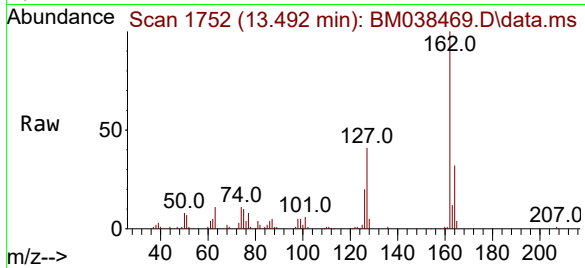




#47
2-Chloronaphthalene
Concen: 8.165 ng
RT: 13.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

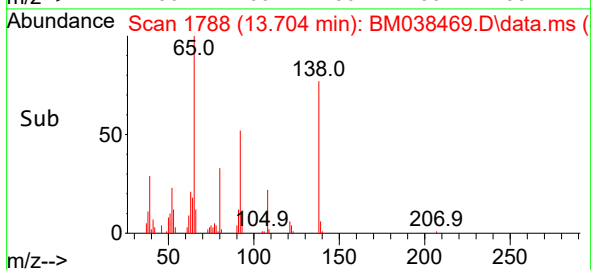
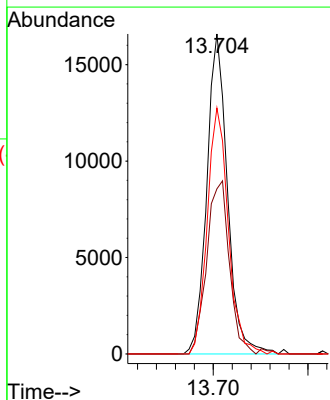
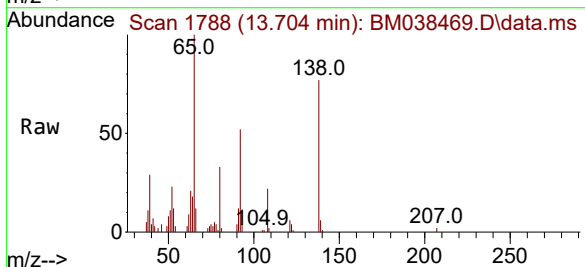
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

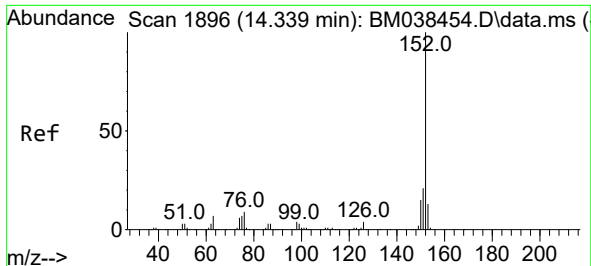
Tgt Ion:162 Resp: 75347
Ion Ratio Lower Upper
162 100
127 41.0 29.5 44.3
164 32.5 26.2 39.4



#48
2-Nitroaniline
Concen: 8.825 ng
RT: 13.704 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 65 Resp: 25032
Ion Ratio Lower Upper
65 100
92 51.6 47.6 71.4
138 76.8 65.8 98.8

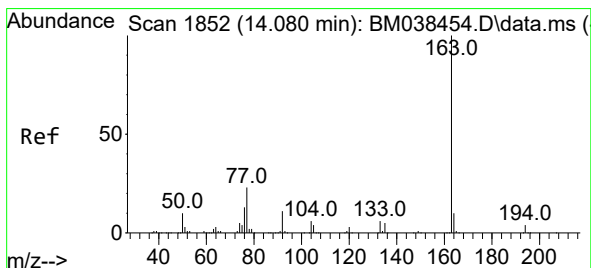
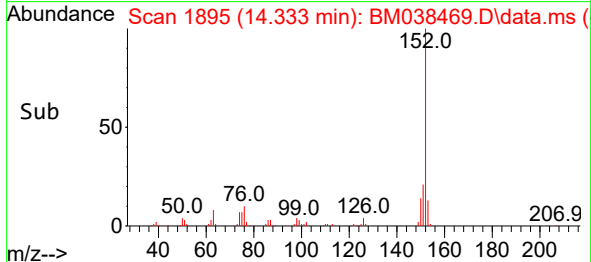
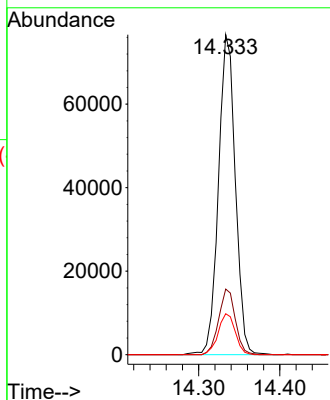
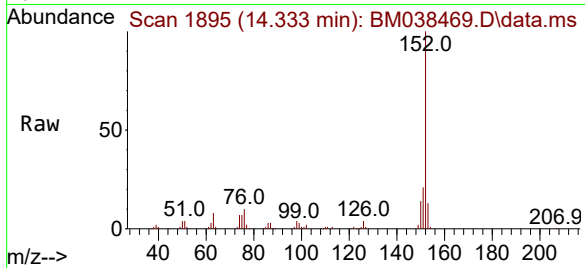




#49
Acenaphthylene
Concen: 7.631 ng
RT: 14.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

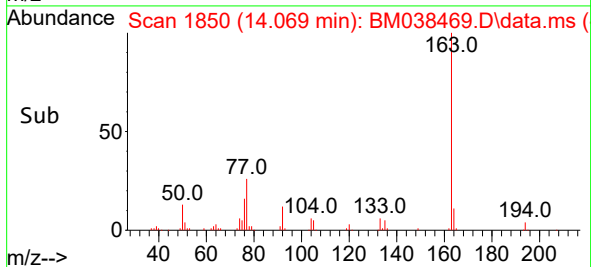
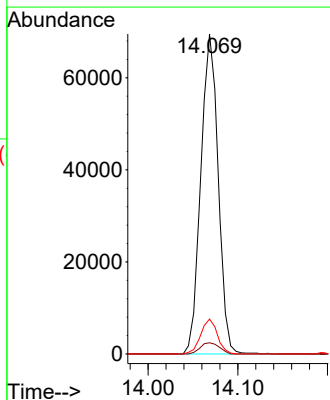
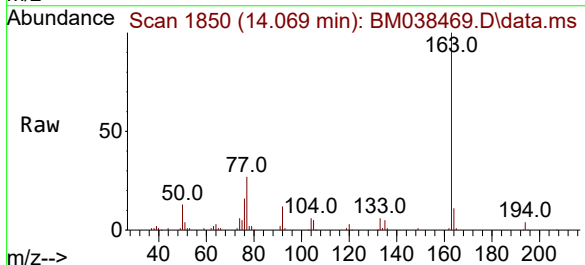
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

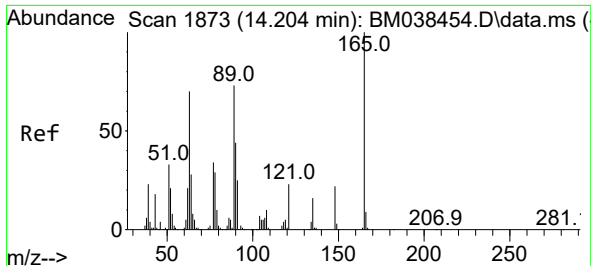
Tgt Ion:152 Resp: 111022
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6
153 12.8 10.6 15.8



#50
Dimethylphthalate
Concen: 7.634 ng
RT: 14.069 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:163 Resp: 93491
Ion Ratio Lower Upper
163 100
194 3.5 3.6 5.4#
164 10.9 7.8 11.8

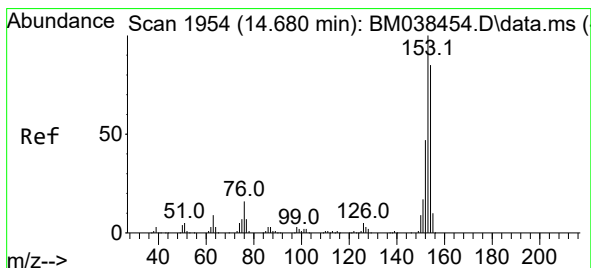
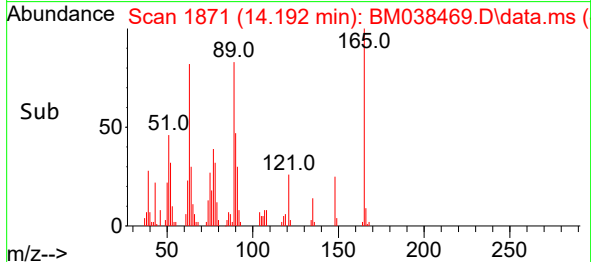
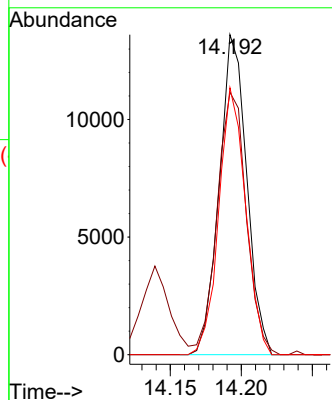
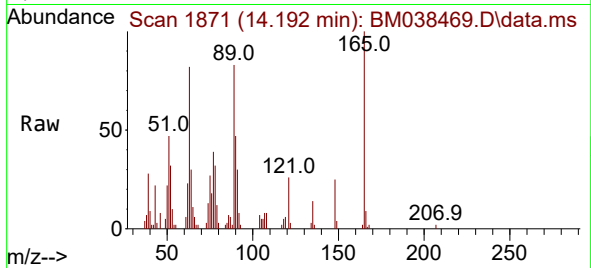




#51
2,6-Dinitrotoluene
Concen: 7.316 ng
RT: 14.192 min Scan# 1871
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

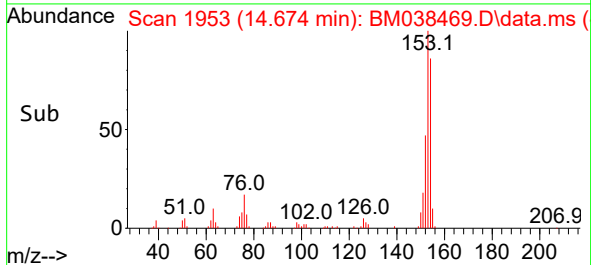
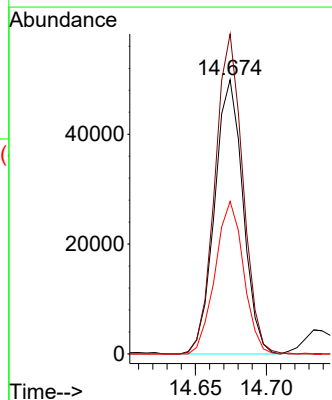
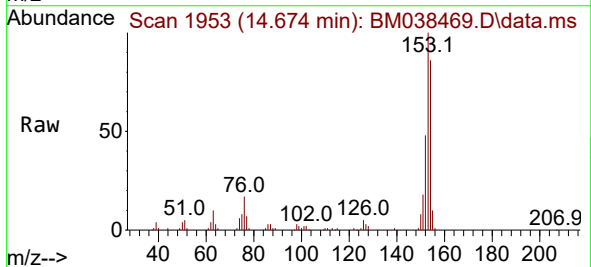
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

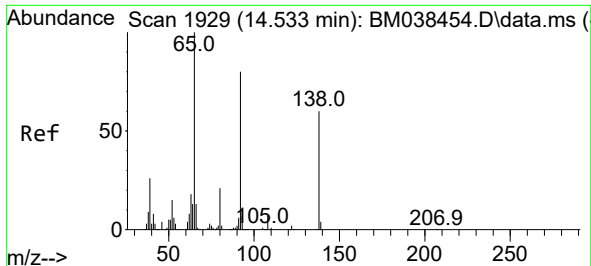
Tgt Ion:165 Resp: 18227
Ion Ratio Lower Upper
165 100
63 82.0 60.9 91.3
89 83.4 58.6 87.8



#52
Acenaphthene
Concen: 7.844 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:154 Resp: 69353
Ion Ratio Lower Upper
154 100
153 116.7 93.8 140.6
152 55.6 44.2 66.4

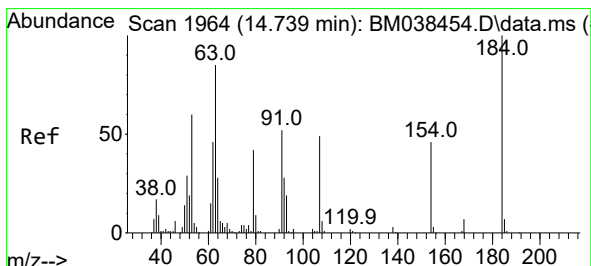
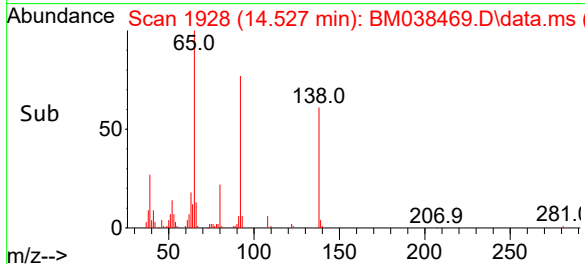
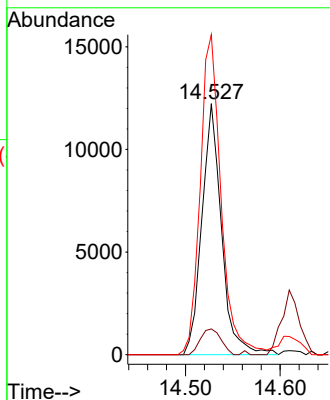
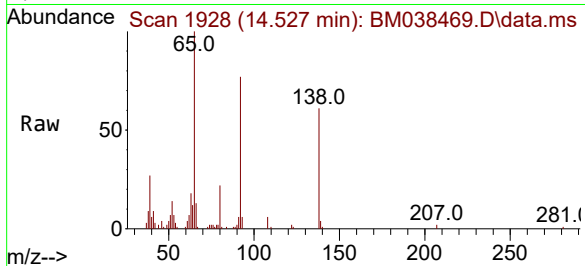




#53
3-Nitroaniline
Concen: 8.736 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

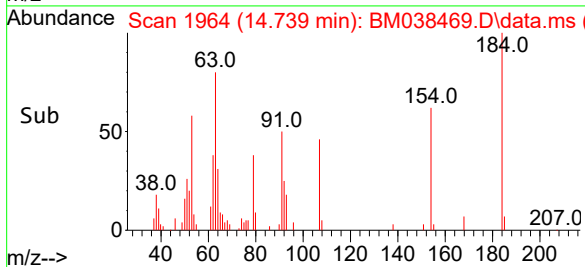
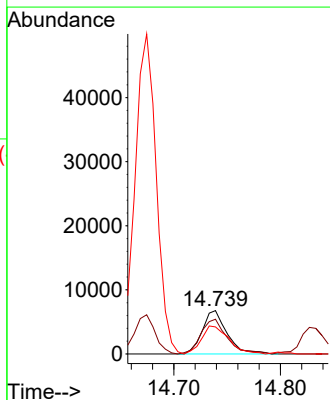
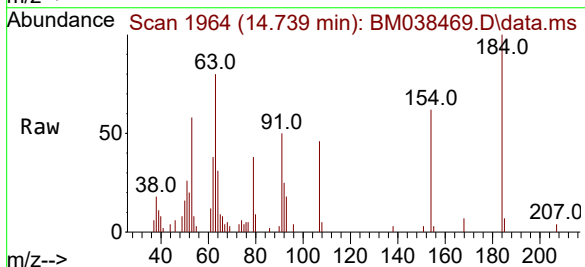
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

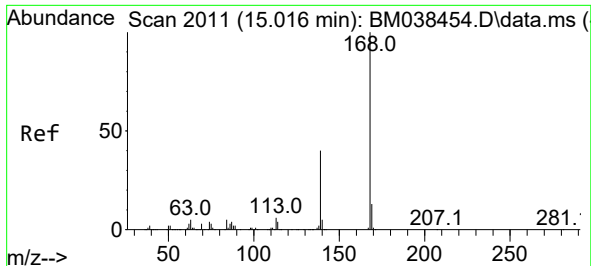
Tgt Ion:138 Resp: 17668
Ion Ratio Lower Upper
138 100
108 10.2 8.9 13.3
92 127.4 106.4 159.6



#54
2,4-Dinitrophenol
Concen: 10.484 ng
RT: 14.739 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:184 Resp: 10859
Ion Ratio Lower Upper
184 100
63 80.2 70.0 105.0
154 62.4 55.6 83.4

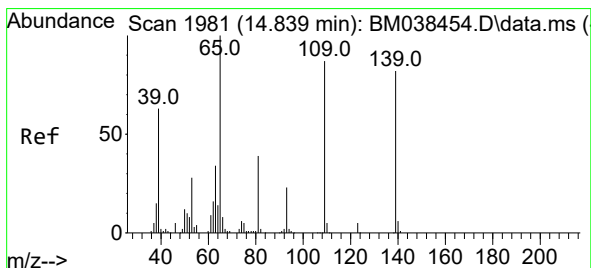
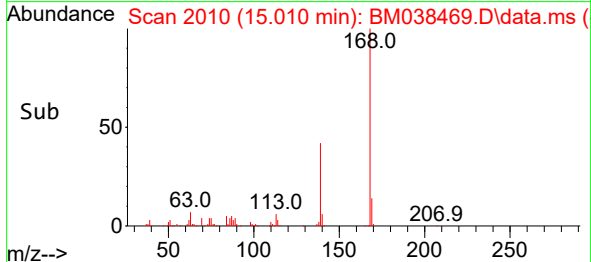
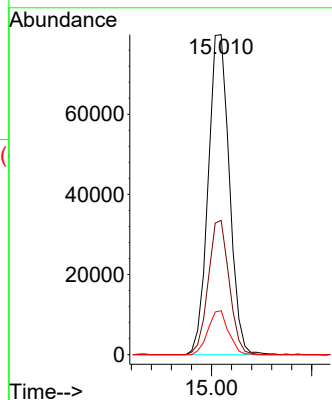
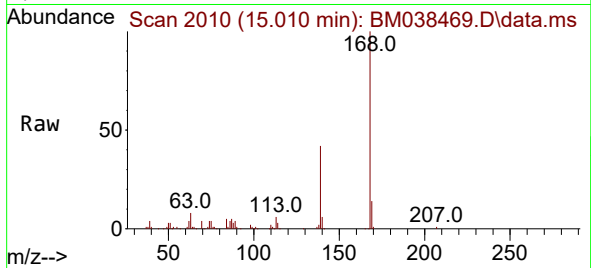




#55
Dibenzofuran
Concen: 7.801 ng
RT: 15.010 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

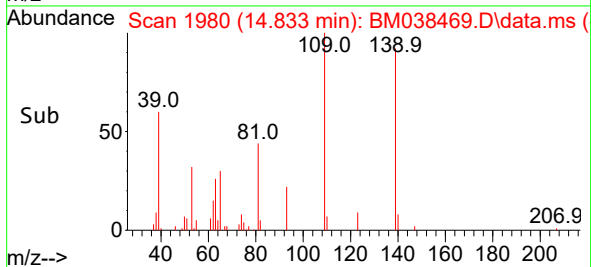
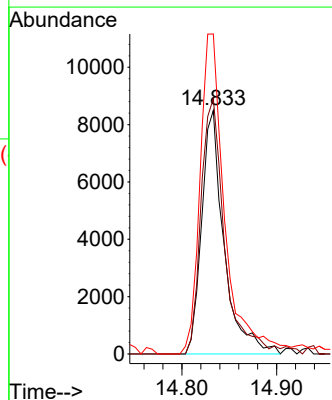
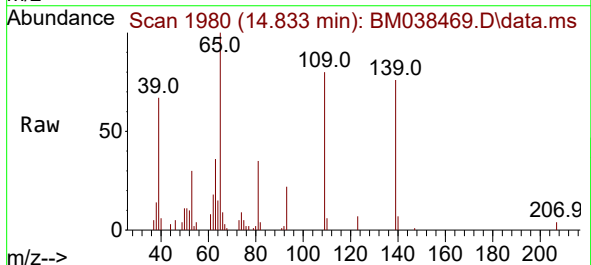
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

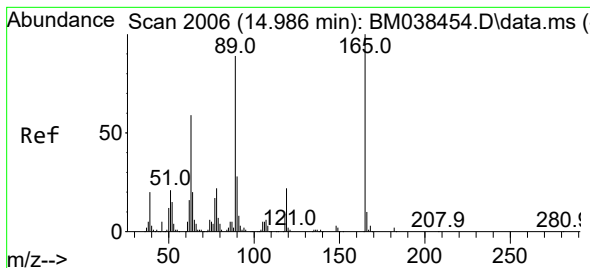
Tgt Ion:168 Resp: 117434
Ion Ratio Lower Upper
168 100
139 41.9 31.9 47.9
169 13.7 10.5 15.7



#56
4-Nitrophenol
Concen: 9.735 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:139 Resp: 13923
Ion Ratio Lower Upper
139 100
109 104.9 86.0 126.0
65 131.4 102.7 142.7





#57

2,4-Dinitrotoluene

Concen: 7.120 ng

RT: 14.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM038469.D

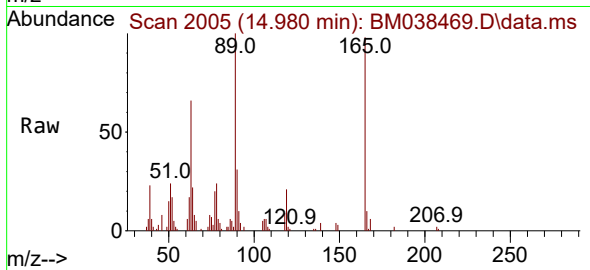
Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 24661

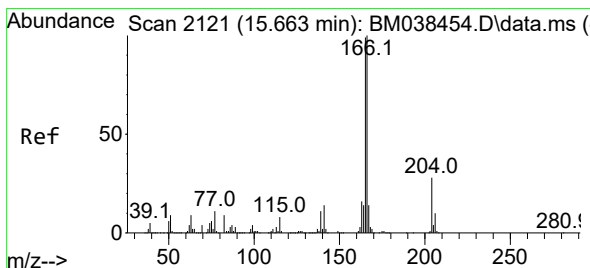
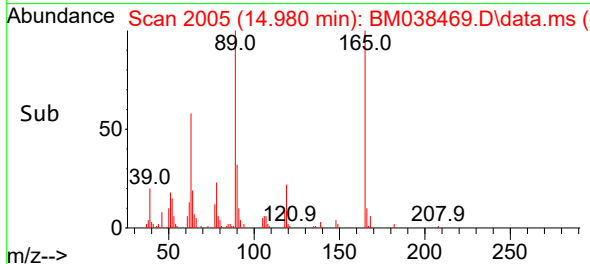
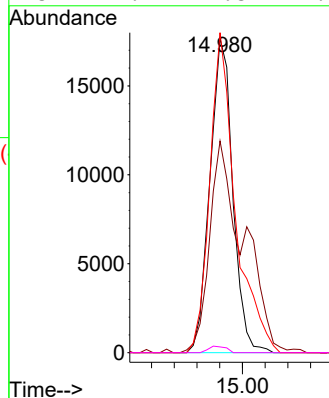
Ion Ratio Lower Upper

165 100

63 67.3 47.7 71.5

89 101.8 71.5 107.3

182 1.9 1.8 2.6



#58

Fluorene

Concen: 7.341 ng

RT: 15.657 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

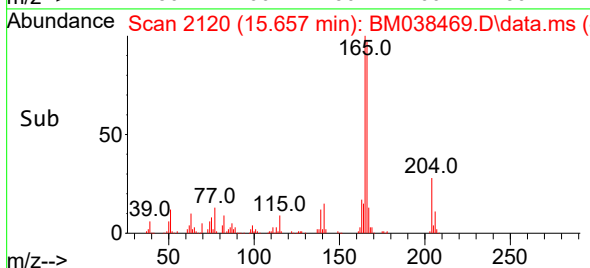
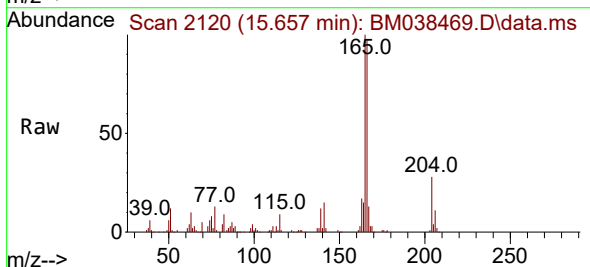
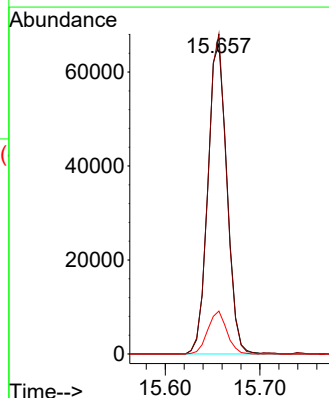
Tgt Ion:166 Resp: 92332

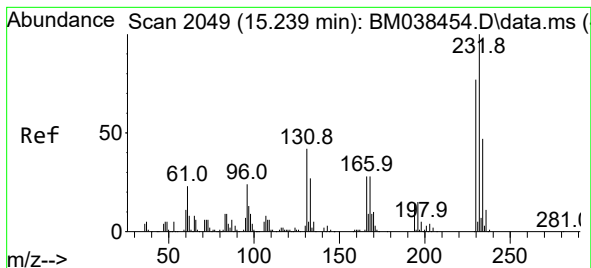
Ion Ratio Lower Upper

166 100

165 103.2 79.2 118.8

167 13.8 11.0 16.4

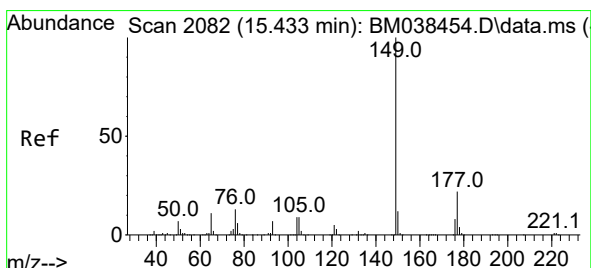
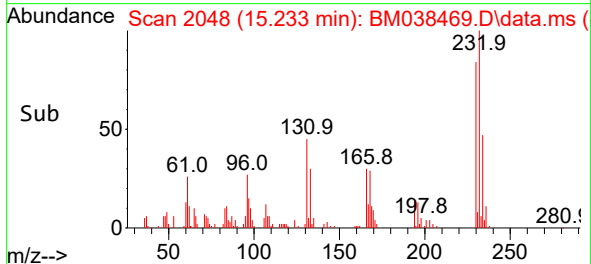
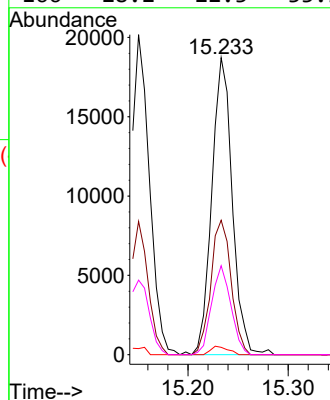
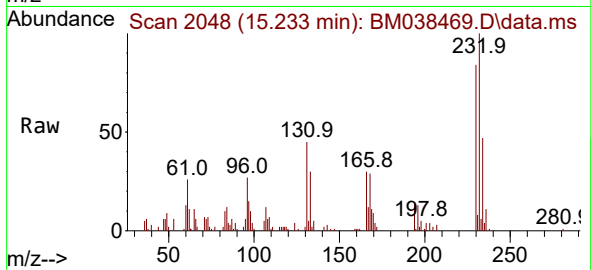




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.116 ng
RT: 15.233 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

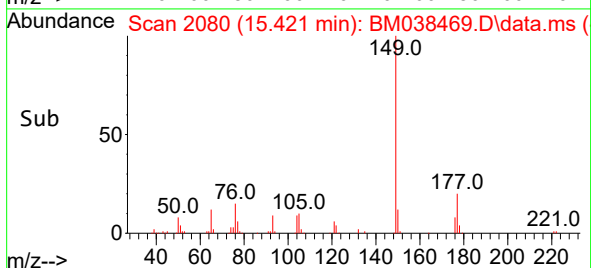
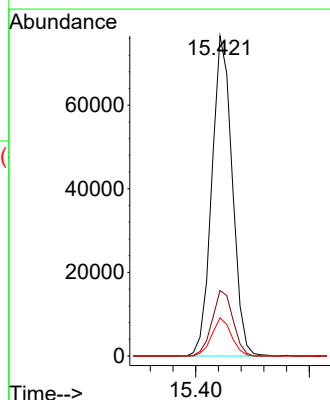
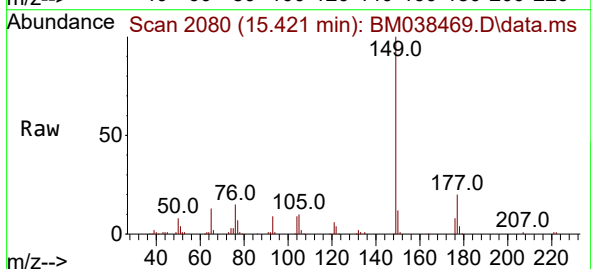
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

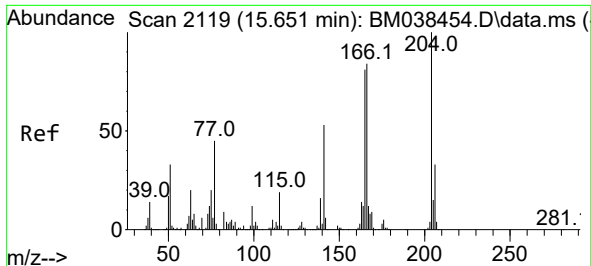
Tgt Ion:232 Resp: 26598
Ion Ratio Lower Upper
232 100
131 44.9 33.8 50.6
130 2.4 1.9 2.9
166 28.2 22.3 33.5



#60
Diethylphthalate
Concen: 7.595 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:149 Resp: 95420
Ion Ratio Lower Upper
149 100
177 20.4 17.8 26.6
150 11.9 9.5 14.3

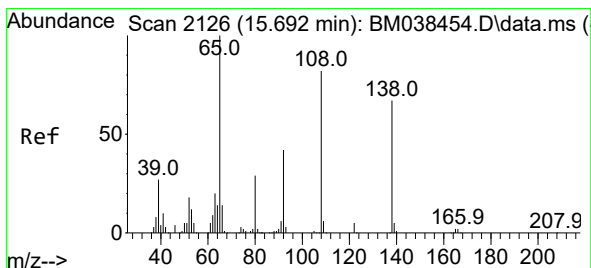
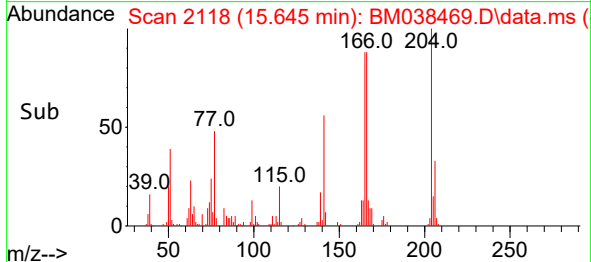
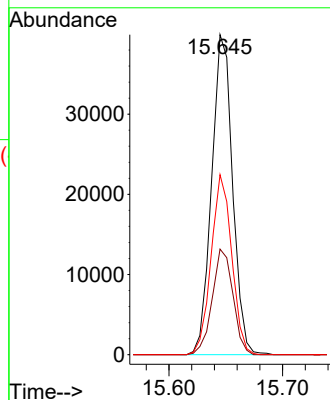
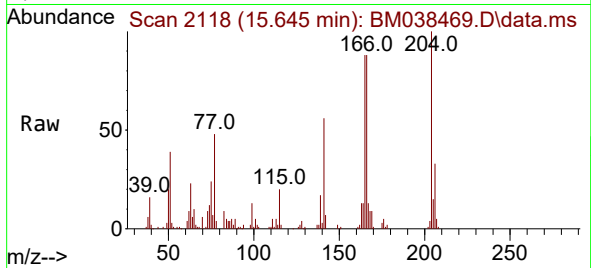




#61
4-Chlorophenyl-phenylether
Concen: 7.387 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

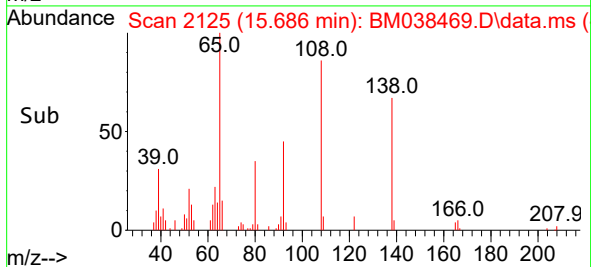
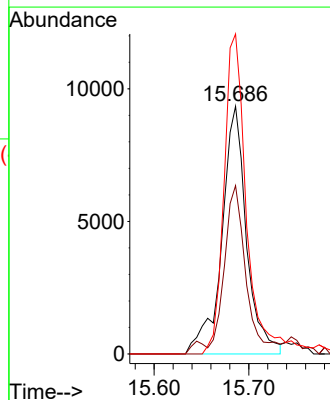
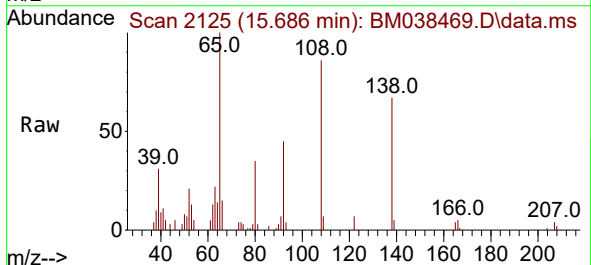
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

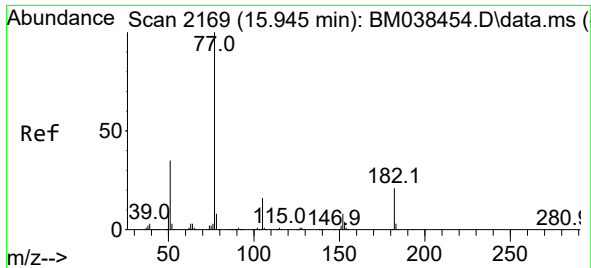
Tgt Ion:204 Resp: 50996
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.4
141 56.3 42.5 63.7



#62
4-Nitroaniline
Concen: 8.395 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:138 Resp: 16947
Ion Ratio Lower Upper
138 100
92 68.0 42.1 82.1
108 129.2 102.5 142.5

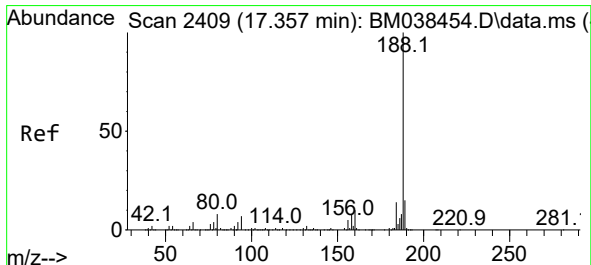
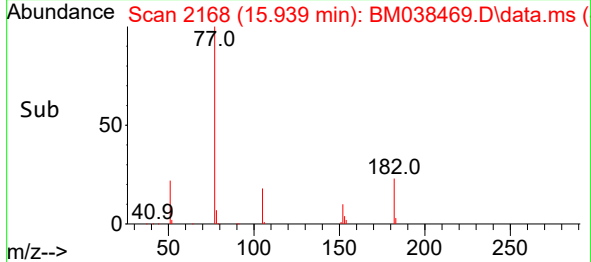
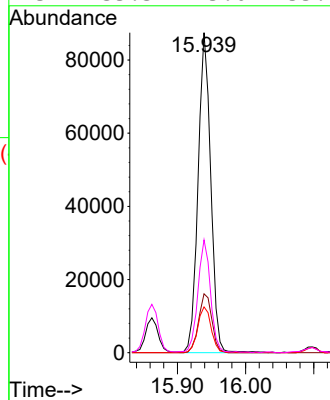
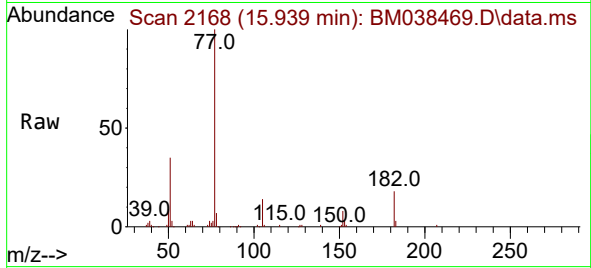




#63
Azobenzene
Concen: 8.170 ng
RT: 15.939 min Scan# 2169
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

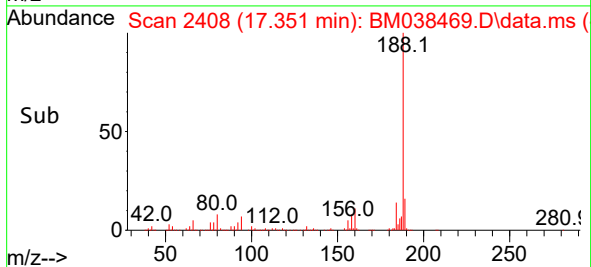
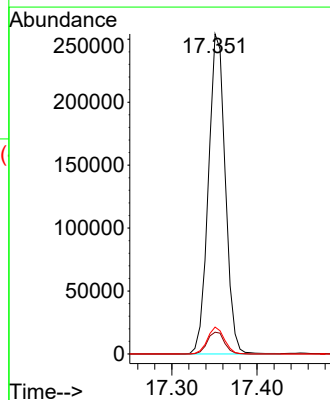
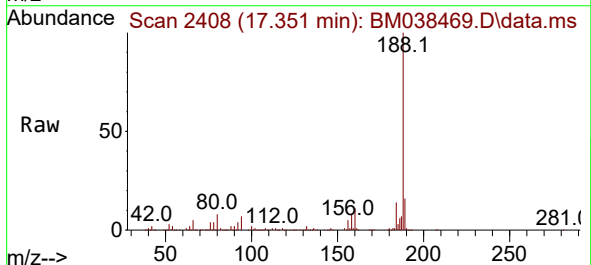
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

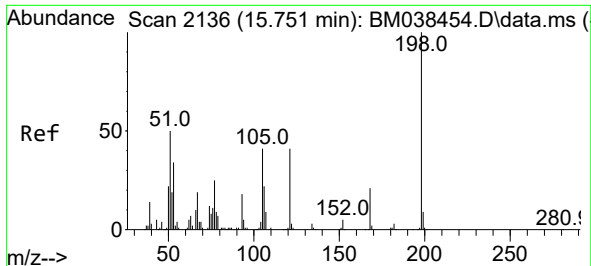
Tgt Ion: 77	Resp: 112936
Ion Ratio	Lower Upper
77 100	
182 18.4	1.1 41.1
105 14.3	0.0 36.4
51 35.3	15.0 55.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion: 188	Resp: 349659
Ion Ratio	Lower Upper
188 100	
94 6.8	5.4 8.0
80 8.4	6.5 9.7

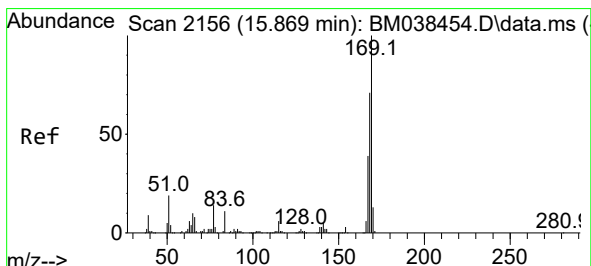
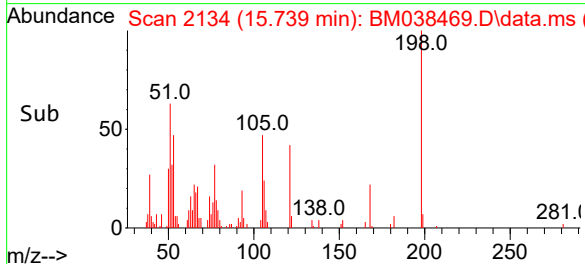
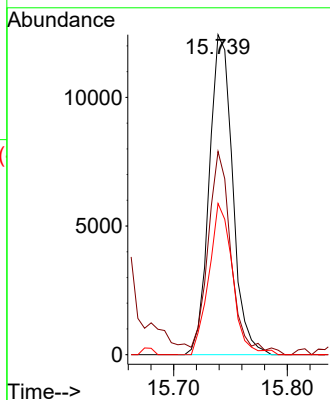
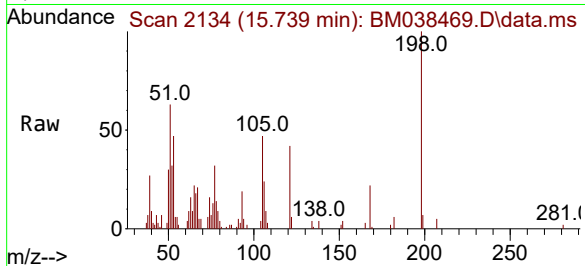




#65
4,6-Dinitro-2-methylphenol
Concen: 7.513 ng
RT: 15.739 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

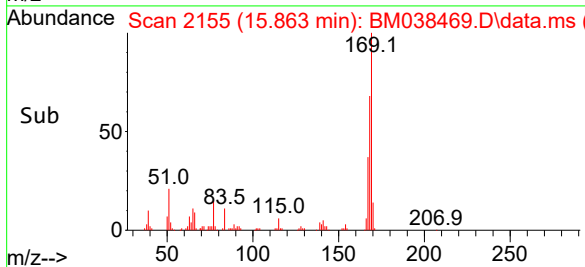
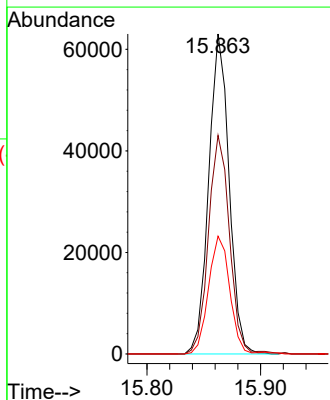
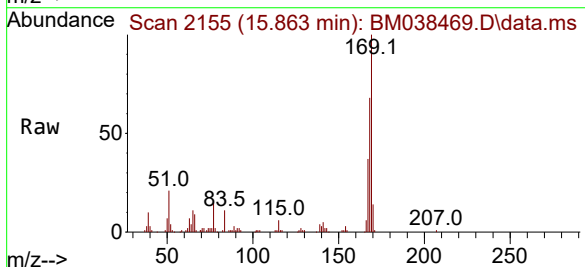
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

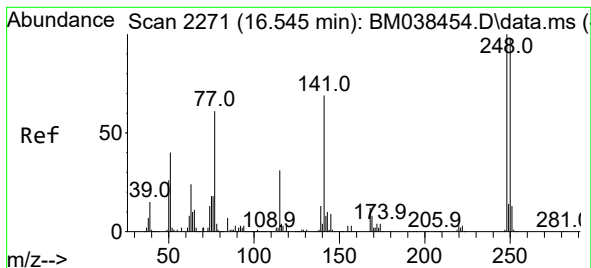
Tgt Ion:198 Resp: 17826
Ion Ratio Lower Upper
198 100
51 63.5 31.6 71.6
105 47.2 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 7.627 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:169 Resp: 78254
Ion Ratio Lower Upper
169 100
168 68.3 56.6 85.0
167 36.8 31.1 46.7

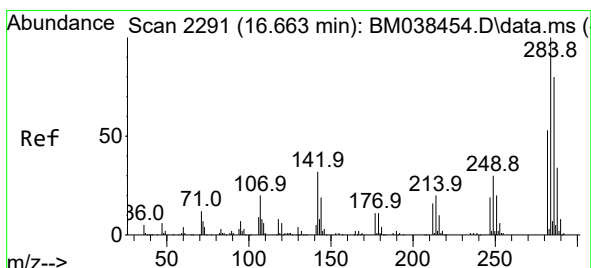
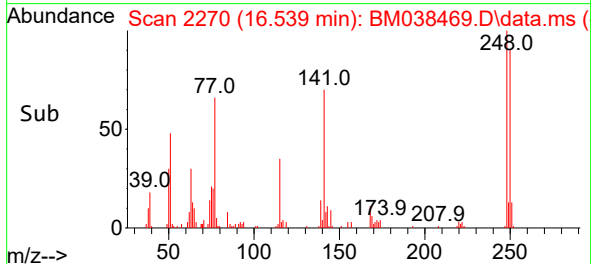
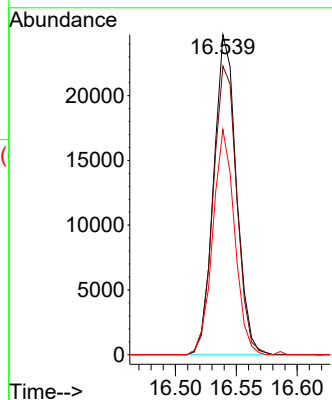
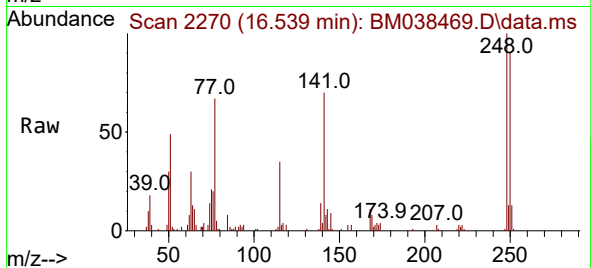




#67
4-Bromophenyl-phenylether
Concen: 7.908 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

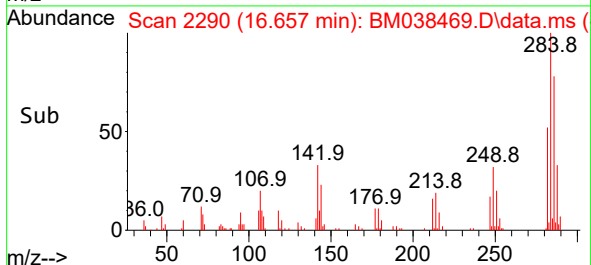
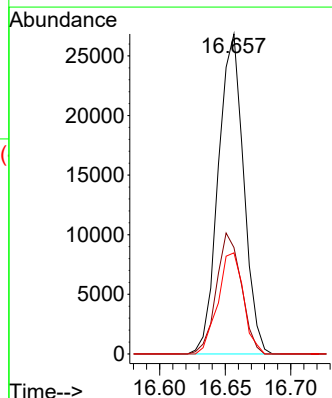
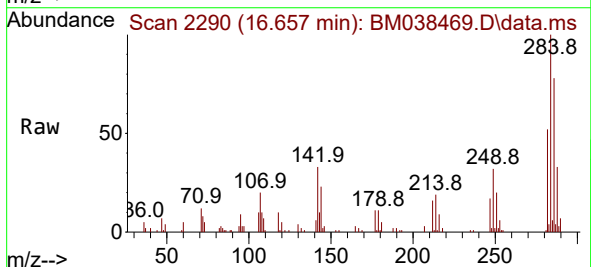
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

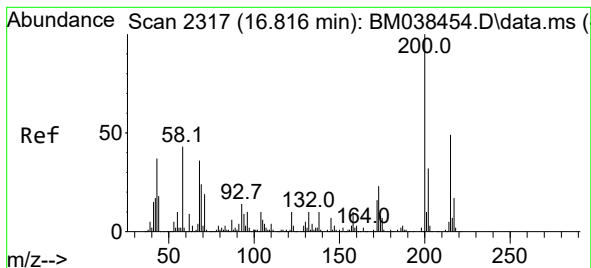
Tgt Ion:248 Resp: 31984
Ion Ratio Lower Upper
248 100
250 90.2 78.3 117.5
141 70.4 55.1 82.7



#68
Hexachlorobenzene
Concen: 7.948 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:284 Resp: 35995
Ion Ratio Lower Upper
284 100
142 33.3 26.0 39.0
249 31.6 23.8 35.8





#69

Atrazine

Concen: 8.214 ng

RT: 16.810 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038469.D

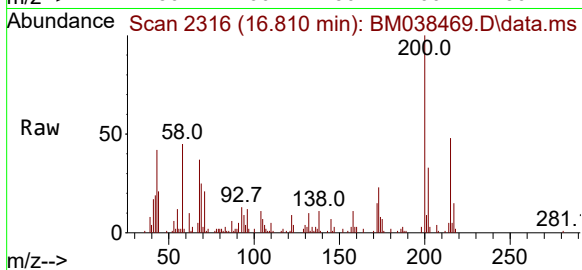
Acq: 17 Jan 2023 18:07

Instrument :

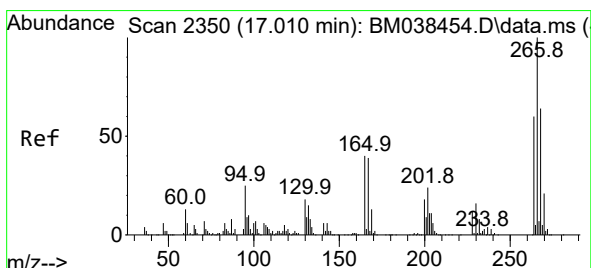
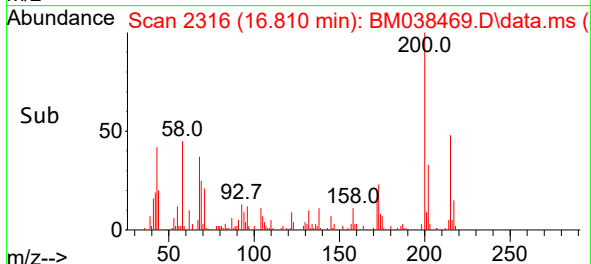
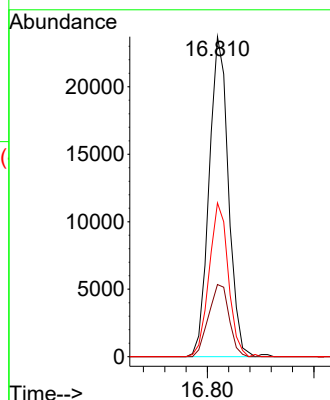
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:	200	Resp:	29803
Ion Ratio	Lower	Upper	
200	100		
173	22.5	3.4	43.4
215	48.0	29.3	69.3



#70

Pentachlorophenol

Concen: 7.661 ng

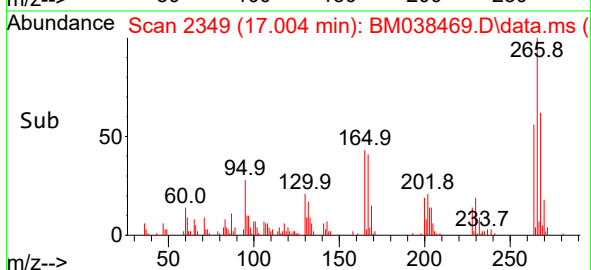
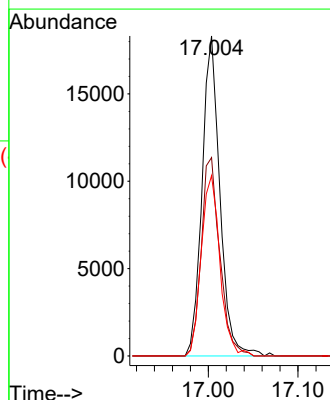
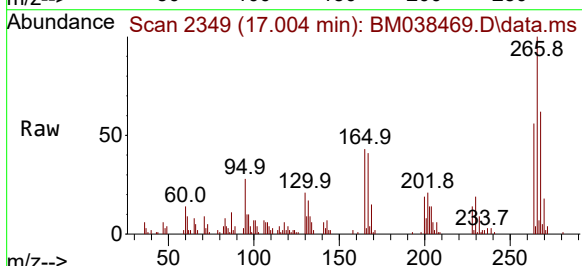
RT: 17.004 min Scan# 2349

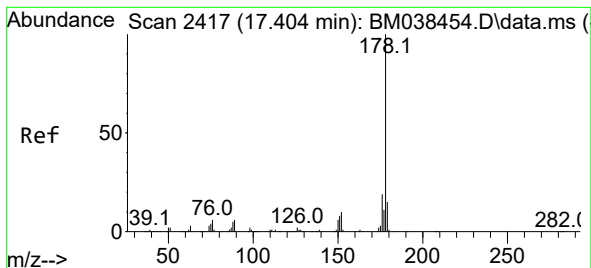
Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Tgt Ion:	266	Resp:	25330
Ion Ratio	Lower	Upper	
266	100		
268	62.0	51.4	77.0
264	56.4	48.2	72.2





#71

Phenanthrene

Concen: 7.880 ng

RT: 17.392 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

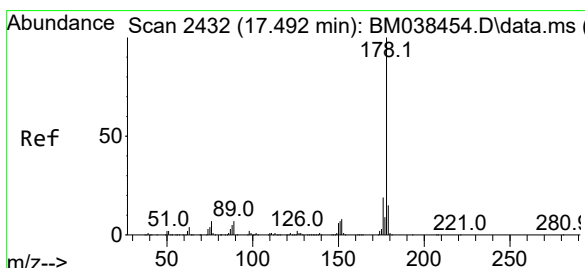
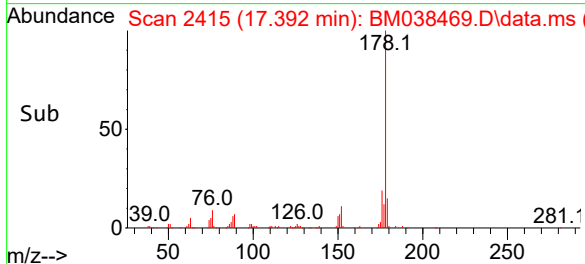
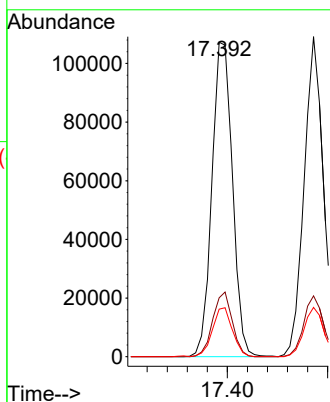
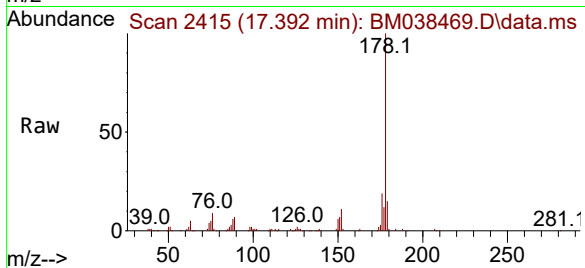
Tgt Ion:178 Resp: 152429

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.1 12.1 18.1



#72

Anthracene

Concen: 7.491 ng

RT: 17.486 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

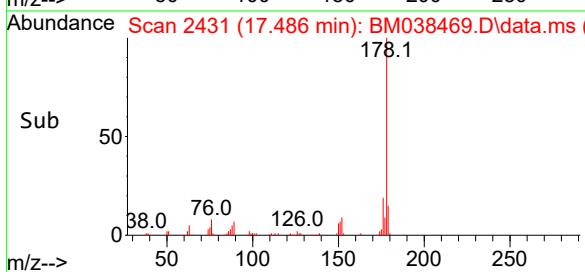
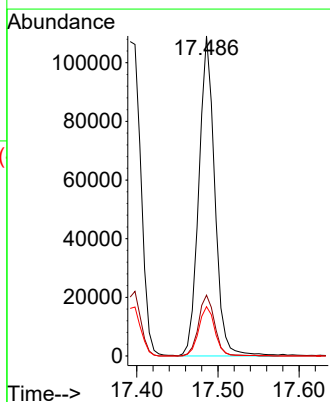
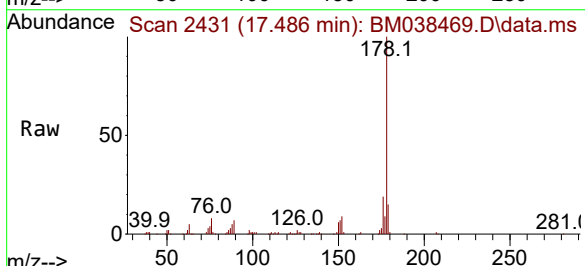
Tgt Ion:178 Resp: 148930

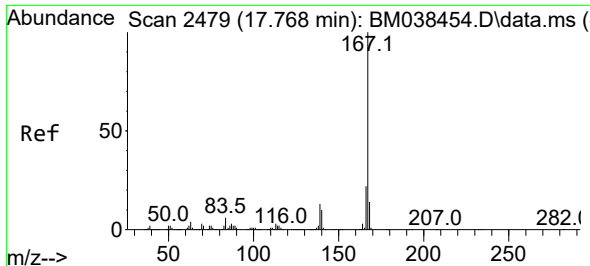
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 15.4 12.2 18.2

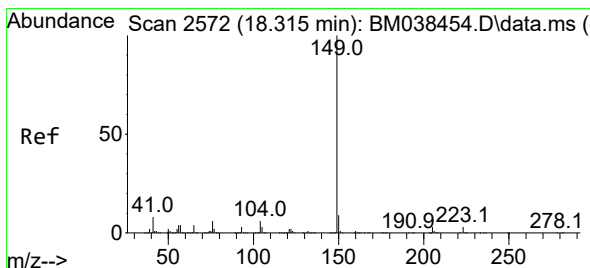
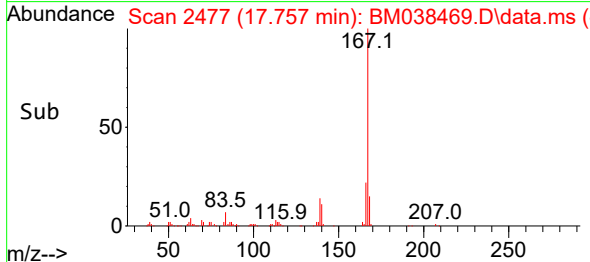
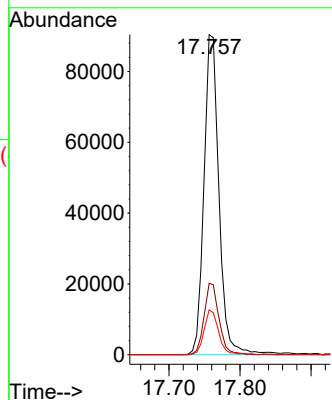
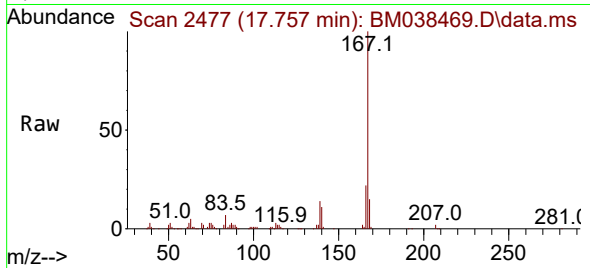




#73
 Carbazole
 Concen: 7.667 ng
 RT: 17.757 min Scan# 2479
 Delta R.T. -0.012 min
 Lab File: BM038469.D
 Acq: 17 Jan 2023 18:07

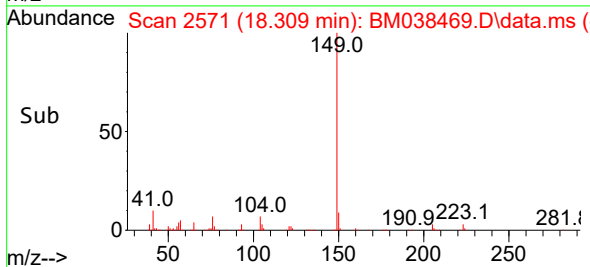
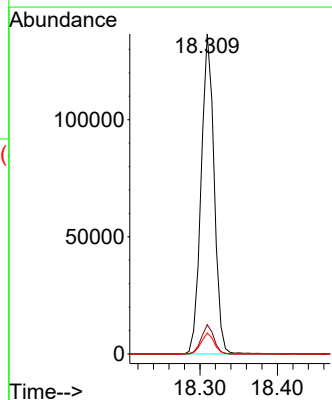
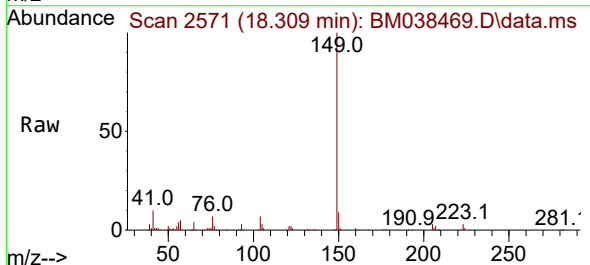
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

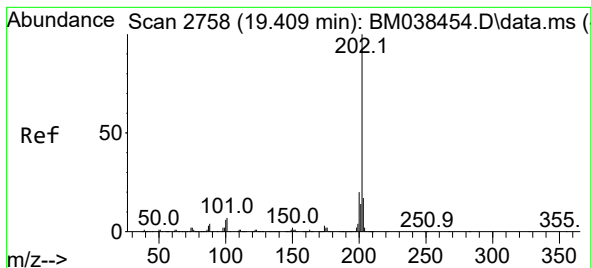
Tgt Ion:167 Resp: 133299
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.4 26.0
 139 14.0 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 7.719 ng
 RT: 18.309 min Scan# 2571
 Delta R.T. -0.006 min
 Lab File: BM038469.D
 Acq: 17 Jan 2023 18:07

Tgt Ion:149 Resp: 159392
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 6.5 4.7 7.1





#75

Fluoranthene

Concen: 7.562 ng

RT: 19.403 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

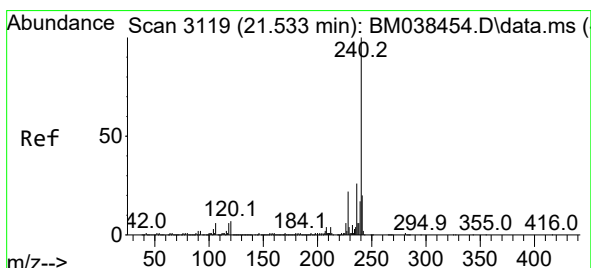
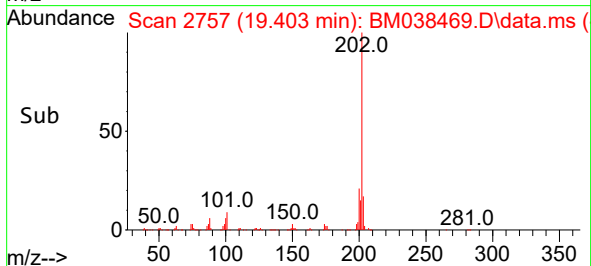
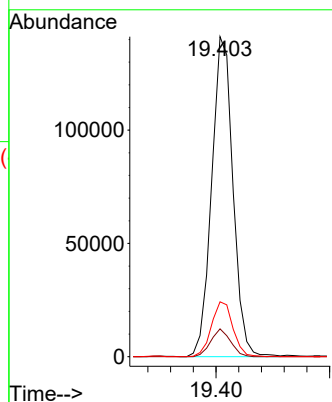
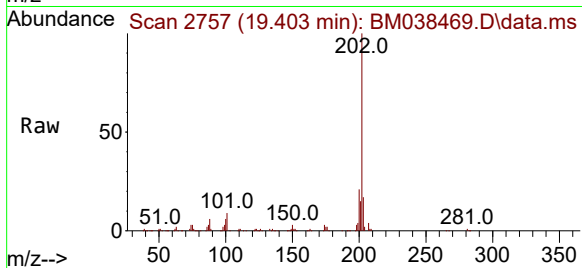
Tgt Ion:202 Resp: 183889

Ion Ratio Lower Upper

202 100

101 8.7 0.0 27.4

203 17.1 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

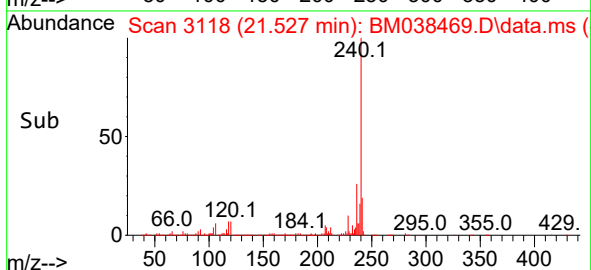
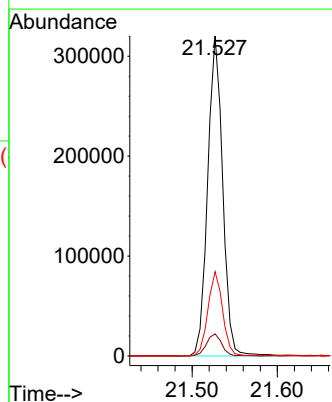
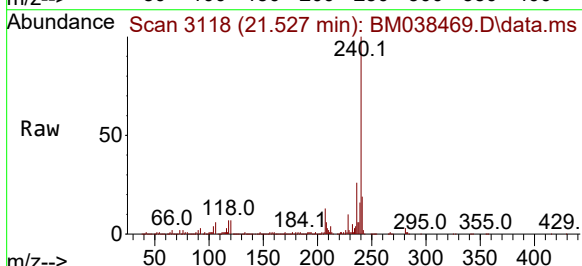
Tgt Ion:240 Resp: 391417

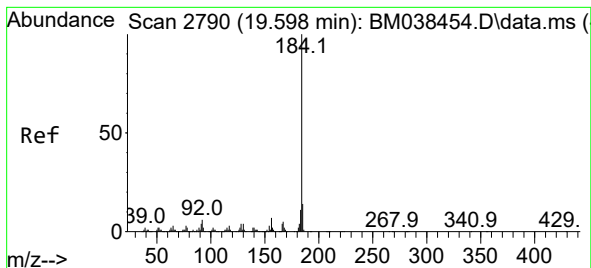
Ion Ratio Lower Upper

240 100

120 6.9 5.6 8.4

236 26.3 21.0 31.4





#77

Benzidine

Concen: 9.681 ng

RT: 19.598 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

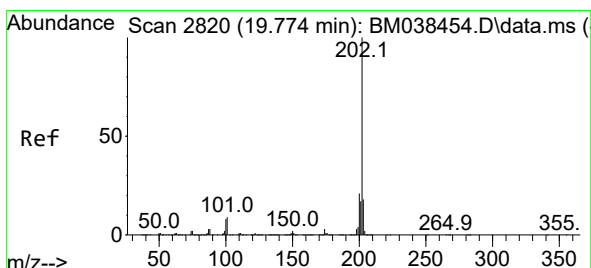
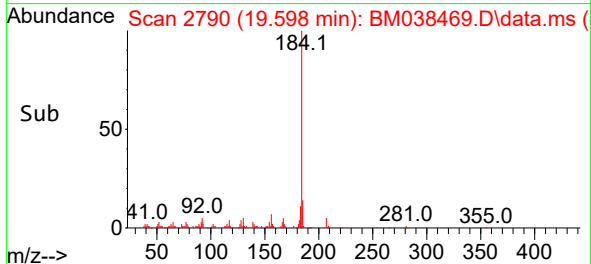
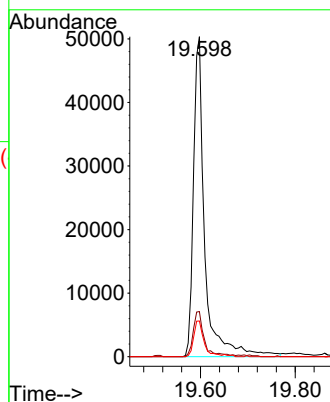
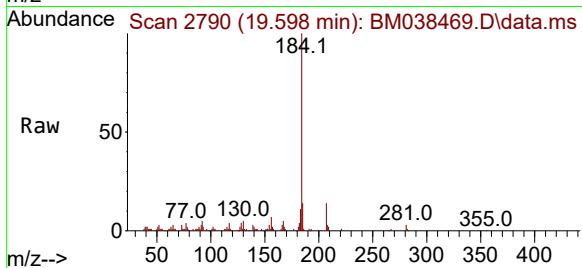
Tgt Ion:184 Resp: 83029

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

183 11.1 8.6 13.0



#78

Pyrene

Concen: 7.635 ng

RT: 19.768 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

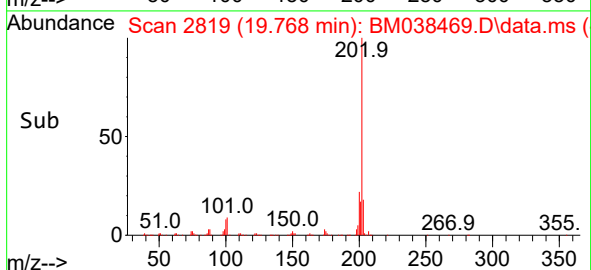
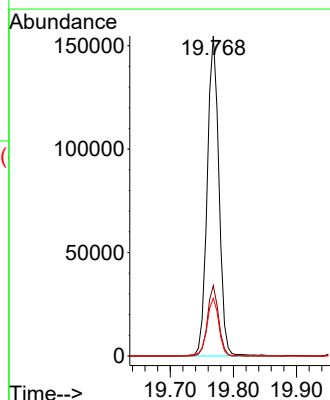
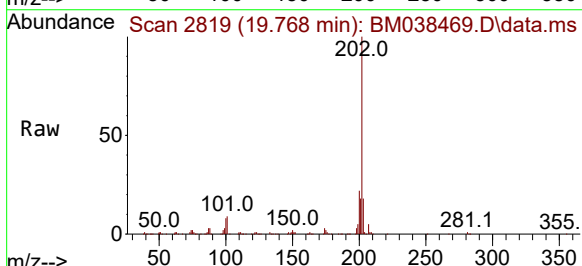
Tgt Ion:202 Resp: 198869

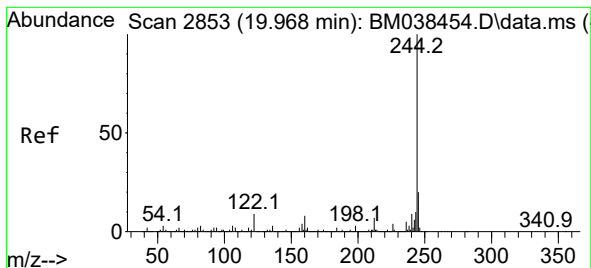
Ion Ratio Lower Upper

202 100

200 22.0 16.9 25.3

203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 73.397 ng

RT: 19.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

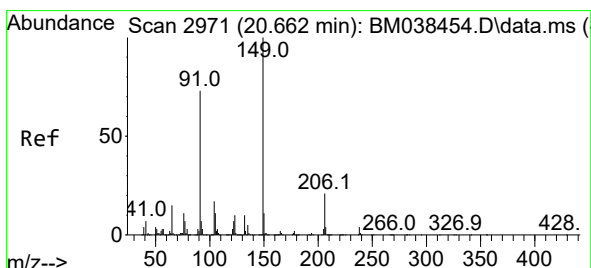
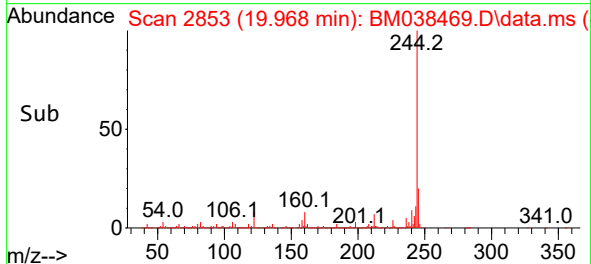
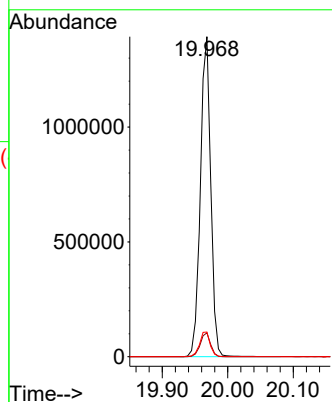
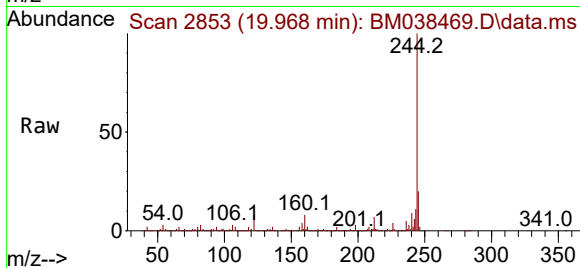
Tgt Ion:244 Resp: 1534632

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 7.7 7.1 10.7



#80

Butylbenzylphthalate

Concen: 7.697 ng

RT: 20.656 min Scan# 2970

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

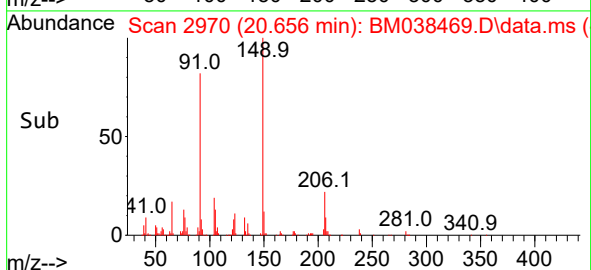
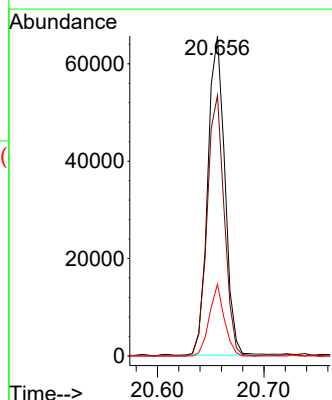
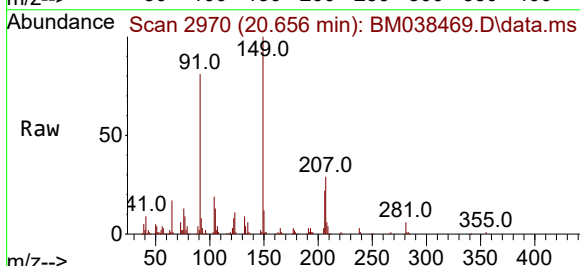
Tgt Ion:149 Resp: 73287

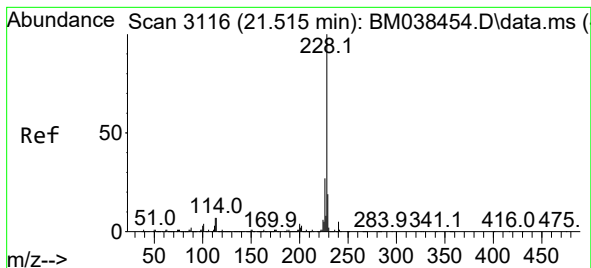
Ion Ratio Lower Upper

149 100

91 81.4 58.3 87.5

206 22.4 16.7 25.1





#81

Benzo(a)anthracene

Concen: 7.787 ng

RT: 21.509 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

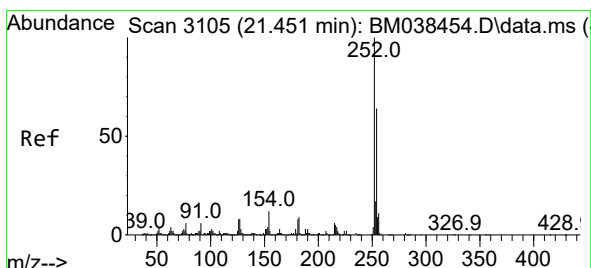
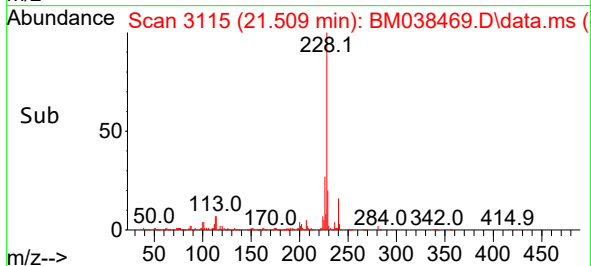
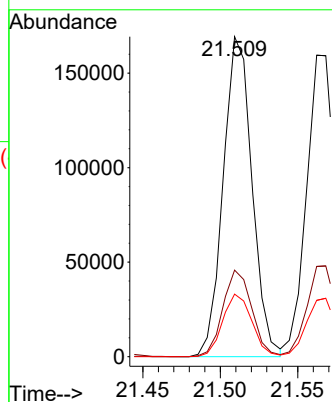
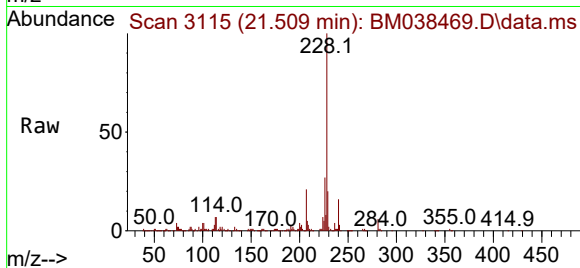
Tgt Ion:228 Resp: 219226

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

229 19.6 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 8.700 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

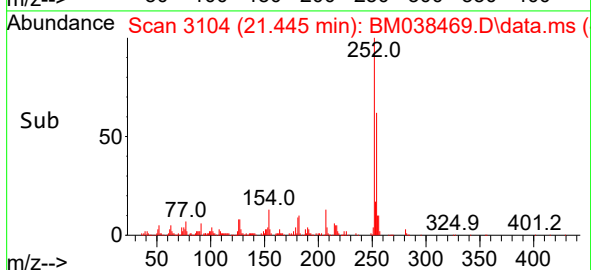
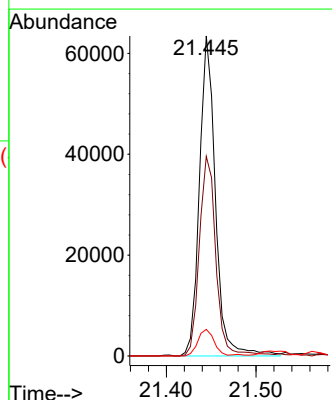
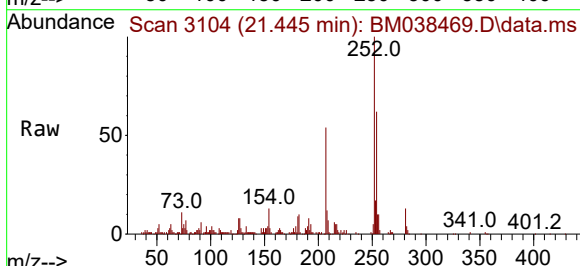
Tgt Ion:252 Resp: 78866

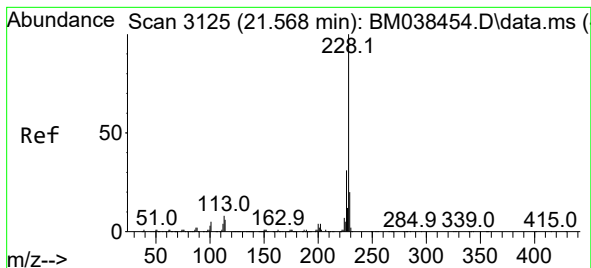
Ion Ratio Lower Upper

252 100

254 62.4 51.2 76.8

126 8.3 6.3 9.5





#83

Chrysene

Concen: 7.835 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

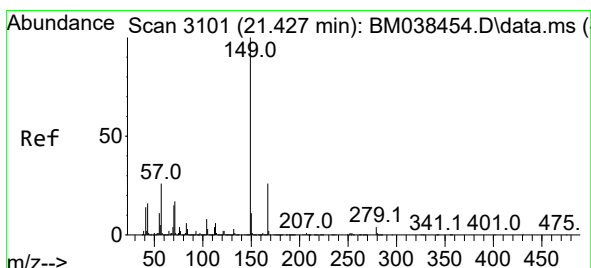
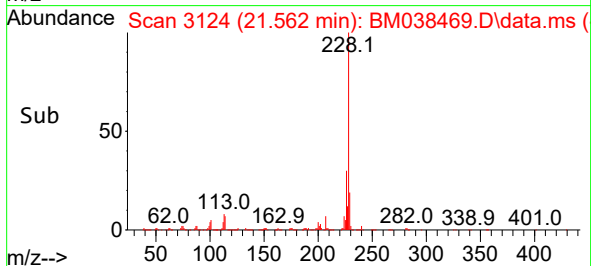
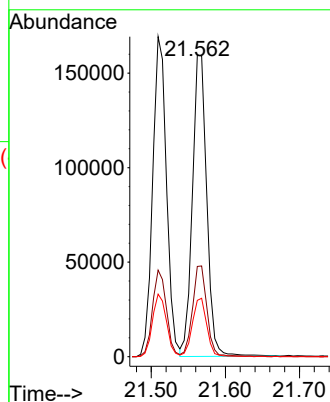
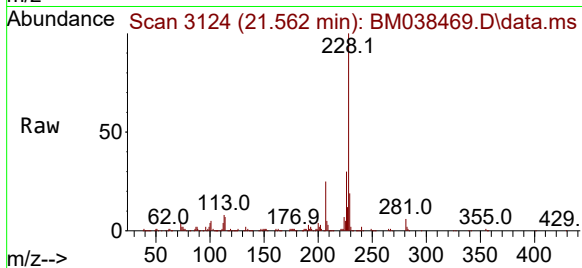
Tgt Ion:228 Resp: 214339

Ion Ratio Lower Upper

228 100

226 29.9 24.6 36.8

229 18.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.863 ng

RT: 21.421 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

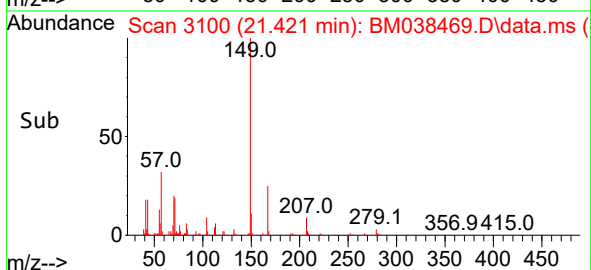
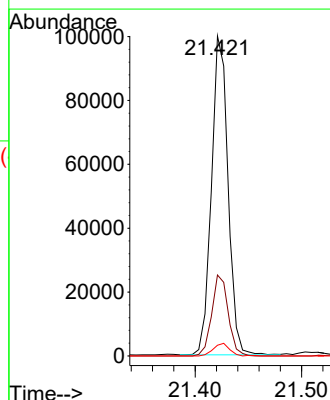
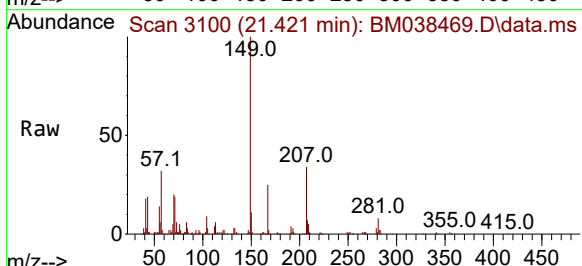
Tgt Ion:149 Resp: 107621

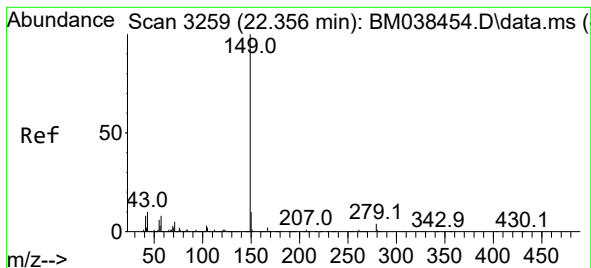
Ion Ratio Lower Upper

149 100

167 25.3 21.0 31.4

279 3.3 3.4 5.0#





#85

Di-n-octyl phthalate

Concen: 7.979 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

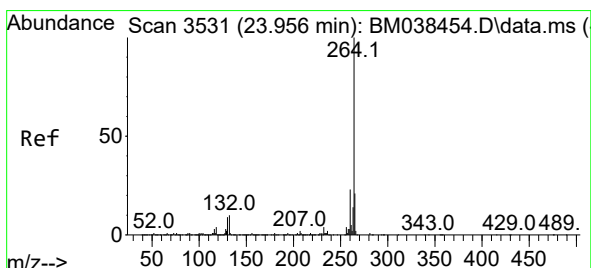
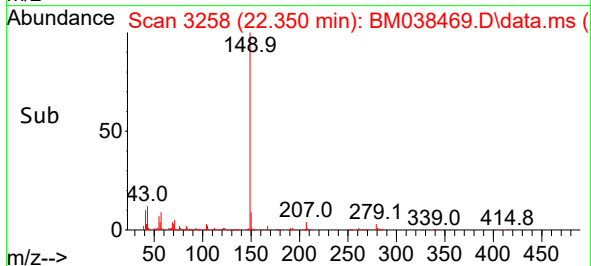
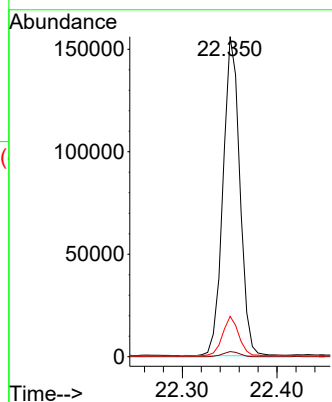
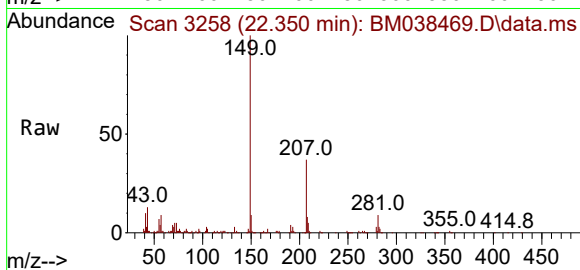
Tgt Ion:149 Resp: 192153

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 12.1 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.950 min Scan# 3530

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

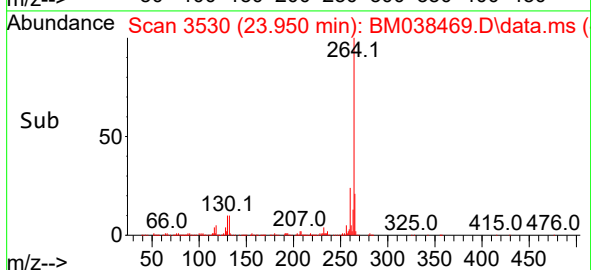
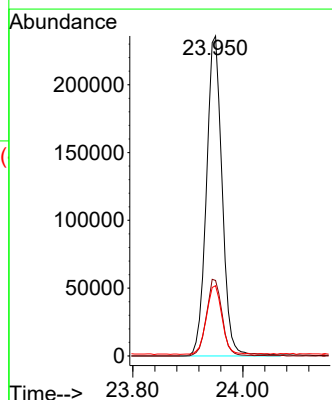
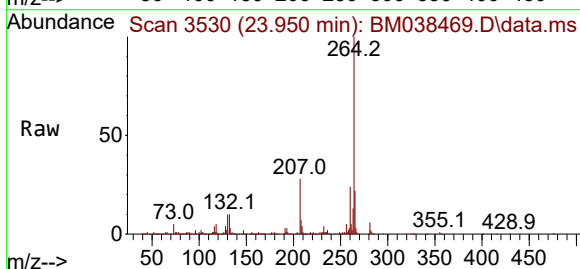
Tgt Ion:264 Resp: 467391

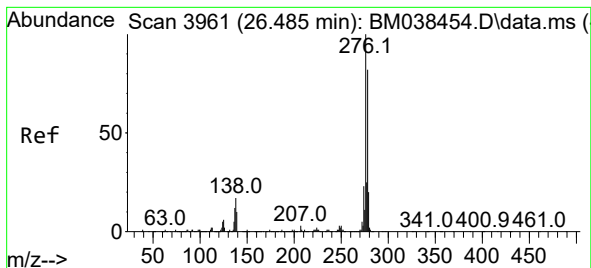
Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 22.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.381 ng

RT: 26.468 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

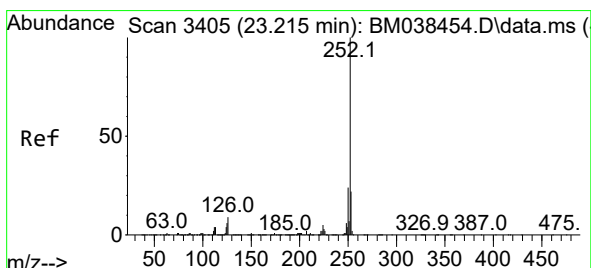
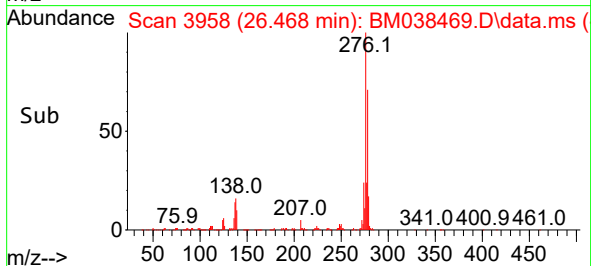
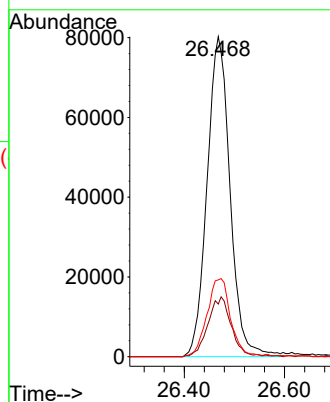
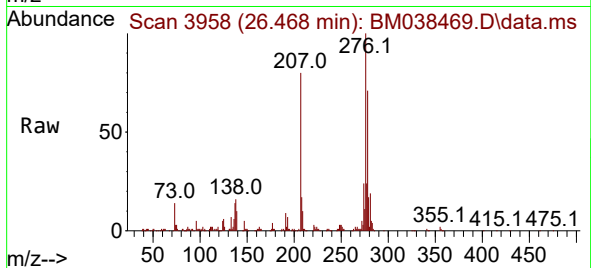
Tgt Ion:276 Resp: 255308

Ion Ratio Lower Upper

276 100

138 18.8 13.4 20.2

277 25.0 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 8.199 ng

RT: 23.203 min Scan# 3403

Delta R.T. -0.012 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

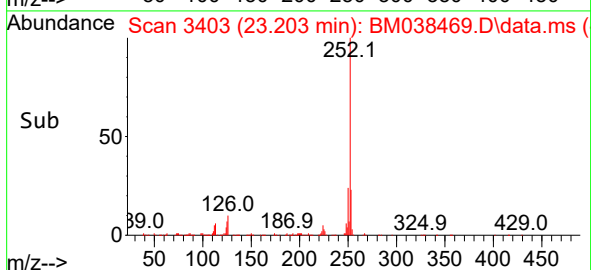
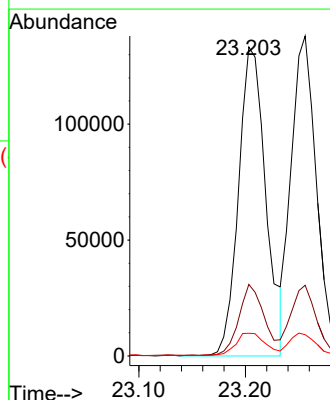
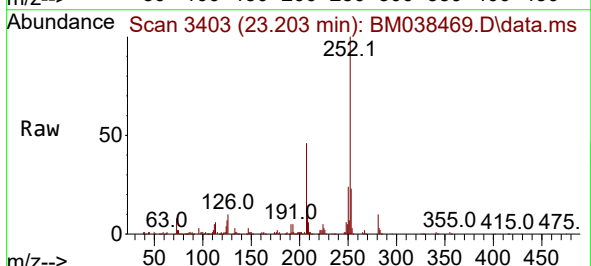
Tgt Ion:252 Resp: 237616

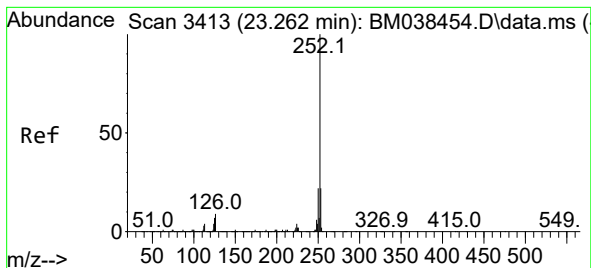
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 7.4 5.1 7.7





#89

Benzo(k)fluoranthene

Concen: 7.639 ng

RT: 23.256 min Scan# 3413

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

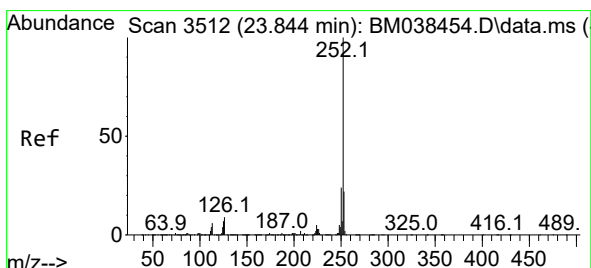
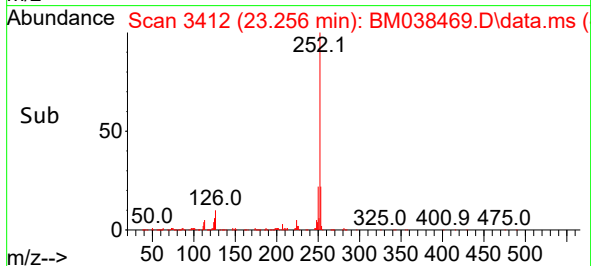
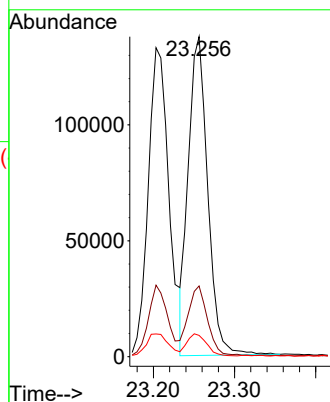
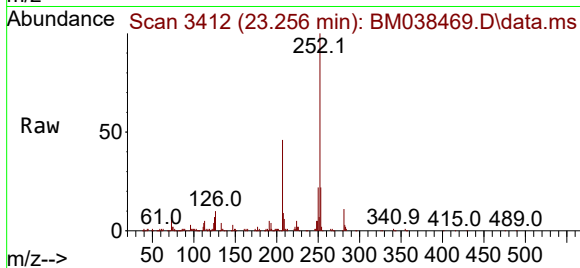
Tgt Ion:252 Resp: 228939

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 6.6 5.5 8.3



#90

Benzo(a)pyrene

Concen: 7.202 ng

RT: 23.838 min Scan# 3511

Delta R.T. -0.006 min

Lab File: BM038469.D

Acq: 17 Jan 2023 18:07

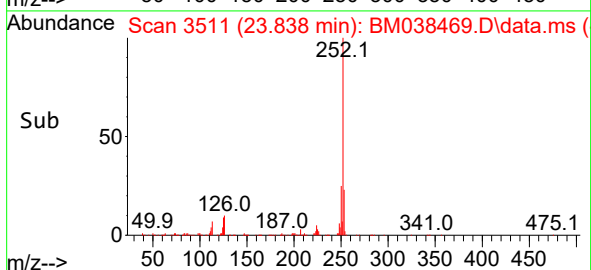
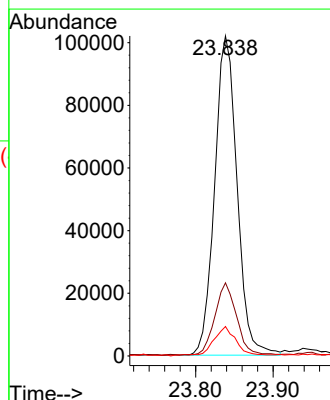
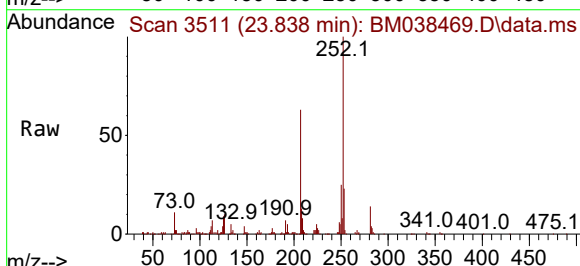
Tgt Ion:252 Resp: 204825

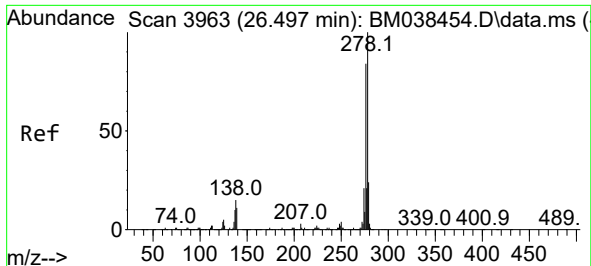
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 9.2 5.8 8.8#

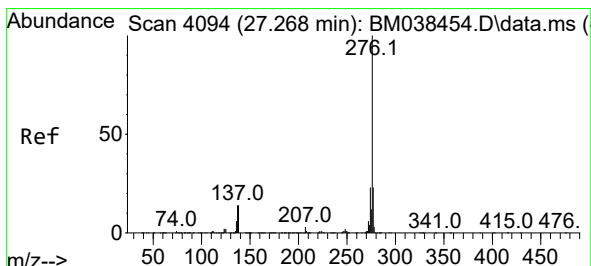
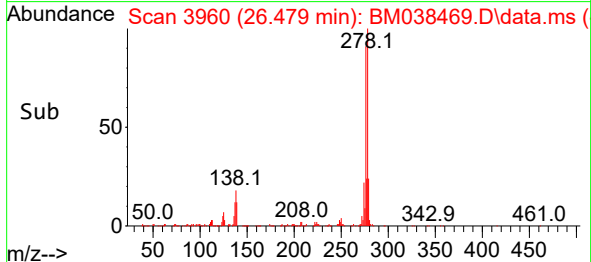
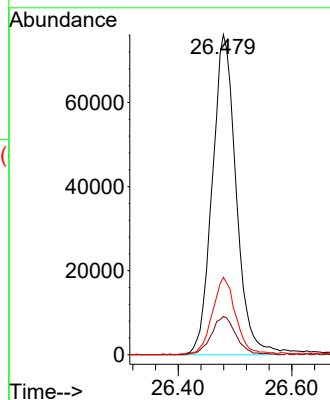
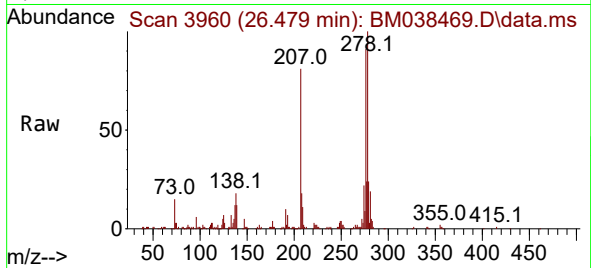




#91
Dibenzo(a,h)anthracene
Concen: 7.651 ng
RT: 26.479 min Scan# 3963
Delta R.T. -0.018 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

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

Tgt Ion:278 Resp: 222088
Ion Ratio Lower Upper
278 100
139 12.0 8.4 12.6
279 24.2 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 7.890 ng
RT: 27.244 min Scan# 4090
Delta R.T. -0.024 min
Lab File: BM038469.D
Acq: 17 Jan 2023 18:07

Tgt Ion:276 Resp: 227197
Ion Ratio Lower Upper
276 100
277 24.1 18.6 27.8
138 16.2 11.3 16.9

