

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038470.D
 Acq On : 17 Jan 2023 18:44
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jan 19 04:52:00 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	73159	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	259177	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	158643	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	361812	20.000	ng	0.00
76) Chrysene-d12	21.527	240	373309	20.000	ng	0.00
86) Perylene-d12	23.944	264	450719	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	390532	81.428	ng	-0.01
7) Phenol-d6	7.140	99	480098	78.145	ng	0.00
23) Nitrobenzene-d5	9.151	82	401714	63.153	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	202774	75.610	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	759020	59.667	ng	0.00
79) Terphenyl-d14	19.968	244	1349546	67.676	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	8587	3.918	ng	# 93
3) Pyridine	3.816	79	21876	3.450	ng	95
4) n-Nitrosodimethylamine	3.716	42	17900	4.772	ng	# 96
6) Aniline	7.304	93	34964	4.506	ng	99
8) 2-Chlorophenol	7.534	128	23221	4.890	ng	93
9) Benzaldehyde	7.116	77	19246	4.685	ng	92
10) Phenol	7.163	94	29858	4.664	ng	82
11) bis(2-Chloroethyl)ether	7.398	93	23881	4.603	ng	94
12) 1,3-Dichlorobenzene	7.863	146	26043	5.120	ng	97
13) 1,4-Dichlorobenzene	7.863	146	26043	5.089	ng	100
14) 1,2-Dichlorobenzene	8.328	146	25293	5.055	ng	98
15) Benzyl Alcohol	8.228	79	21921	4.455	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.510	45	37999	5.253	ng	98
17) 2-Methylphenol	8.422	107	18500	4.278	ng	96
18) Hexachloroethane	9.057	117	10311	4.919	ng	98
19) n-Nitroso-di-n-propyla...	8.787	70	20770	4.657	ng	# 95
20) 3+4-Methylphenols	8.757	107	23711	4.084	ng	98
22) Acetophenone	8.810	105	28341	3.699	ng	93
24) Nitrobenzene	9.192	77	35158	5.231	ng	95
25) Isophorone	9.716	82	51486	4.570	ng	99
26) 2-Nitrophenol	9.904	139	10262	4.349	ng	98
27) 2,4-Dimethylphenol	9.963	122	17095	4.255	ng	92
28) bis(2-Chloroethoxy)met...	10.198	93	29369	4.635	ng	94
29) 2,4-Dichlorophenol	10.439	162	18768	4.228	ng	98
30) 1,2,4-Trichlorobenzene	10.651	180	23503	4.579	ng	96
31) Naphthalene	10.839	128	63192	4.601	ng	97
32) Benzoic acid	10.034	122	6126	6.735	ng	91
33) 4-Chloroaniline	10.963	127	23933	3.970	ng	98
34) Hexachlorobutadiene	11.110	225	16530	4.592	ng	95
35) Caprolactam	11.739	113	3237	2.580	ng	96
36) 4-Chloro-3-methylphenol	12.075	107	19176	3.962	ng	98
37) 2-Methylnaphthalene	12.445	142	41230	4.105	ng	96
38) 1-Methylnaphthalene	12.663	142	39471	4.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.810	216	21176	3.566	ng	97
41) Hexachlorocyclopentadiene	12.780	237	14089	4.173	ng	89
43) 2,4,6-Trichlorophenol	13.051	196	16052	4.277	ng	99

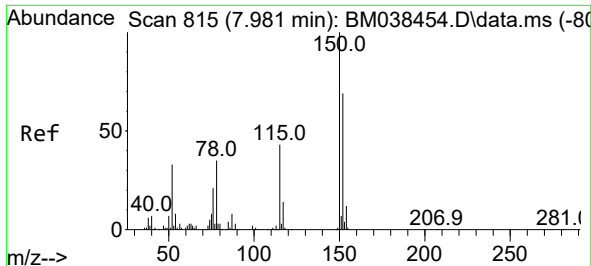
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.122	196	17177	3.882	ng	95
46) 1,1'-Biphenyl	13.445	154	43831	3.561	ng	99
47) 2-Chloronaphthalene	13.492	162	44964	4.641	ng	92
48) 2-Nitroaniline	13.704	65	13963	5.718	ng	87
49) Acenaphthylene	14.333	152	65504	4.289	ng	99
50) Dimethylphthalate	14.069	163	56018	4.357	ng	97
51) 2,6-Dinitrotoluene	14.198	165	9935	3.798	ng	94
52) Acenaphthene	14.674	154	40428	4.356	ng	97
53) 3-Nitroaniline	14.527	138	9437	5.747	ng	99
54) 2,4-Dinitrophenol	14.745	184	5157	7.719	ng #	77
55) Dibenzofuran	15.010	168	68900	4.360	ng	100
56) 4-Nitrophenol	14.833	139	7127	6.786	ng #	79
57) 2,4-Dinitrotoluene	14.980	165	13357	3.674	ng #	93
58) Fluorene	15.657	166	53614	4.061	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.239	232	15077	3.843	ng #	95
60) Diethylphthalate	15.421	149	55035	4.173	ng	97
61) 4-Chlorophenyl-phenyle...	15.645	204	29628	4.088	ng	97
62) 4-Nitroaniline	15.686	138	8783	5.625	ng	96
63) Azobenzene	15.939	77	61314	4.225	ng	97
65) 4,6-Dinitro-2-methylph...	15.739	198	7877	3.208	ng	85
66) n-Nitrosodiphenylamine	15.863	169	44489	4.191	ng	97
67) 4-Bromophenyl-phenylether	16.539	248	17253	4.122	ng	96
68) Hexachlorobenzene	16.657	284	20664	4.409	ng #	93
69) Atrazine	16.810	200	18646	4.967	ng	94
70) Pentachlorophenol	17.004	266	10718	3.133	ng	94
71) Phenanthrene	17.392	178	86227	4.308	ng	99
72) Anthracene	17.486	178	82436	4.007	ng	98
73) Carbazole	17.762	167	73410	4.081	ng	97
74) Di-n-butylphthalate	18.310	149	86764	4.061	ng	99
75) Fluoranthene	19.404	202	100735	4.003	ng	99
77) Benzidine	19.592	184	28760	3.516	ng #	94
78) Pyrene	19.768	202	105693	4.254	ng	99
80) Butylbenzylphthalate	20.656	149	38155	4.202	ng	89
81) Benzo(a)anthracene	21.509	228	119356	4.445	ng	98
82) 3,3'-Dichlorobenzidine	21.445	252	32342	3.741	ng	97
83) Chrysene	21.568	228	113840	4.363	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	55651	4.263	ng #	97
85) Di-n-octyl phthalate	22.350	149	98478	4.288	ng #	95
87) Indeno(1,2,3-cd)pyrene	26.468	276	139214	4.174	ng	98
88) Benzo(b)fluoranthene	23.203	252	124732	4.463	ng	99
89) Benzo(k)fluoranthene	23.256	252	119807	4.145	ng	98
90) Benzo(a)pyrene	23.839	252	109822	4.004	ng	96
91) Dibenzo(a,h)anthracene	26.480	278	122650	4.382	ng #	96
92) Benzo(g,h,i)perylene	27.250	276	123595	4.451	ng	97

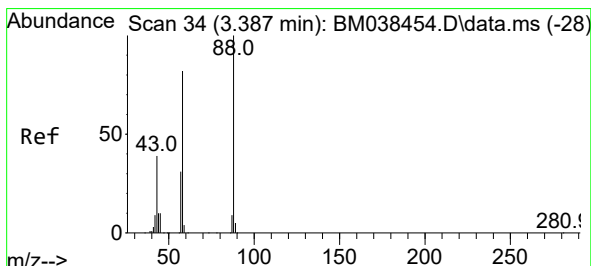
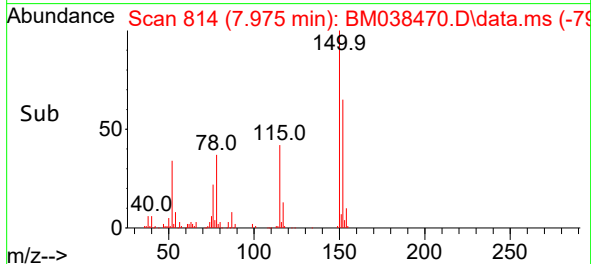
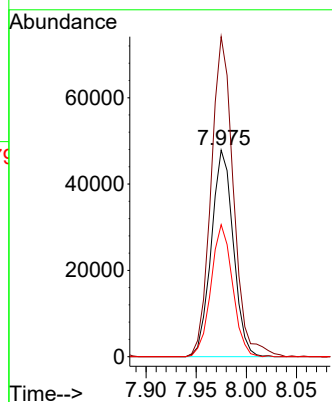
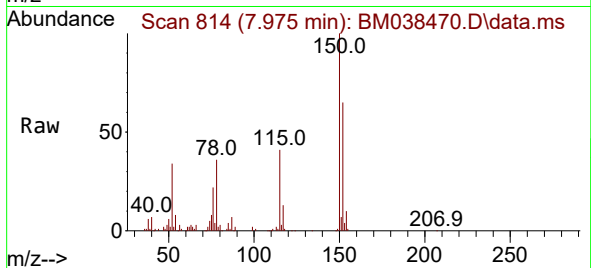
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

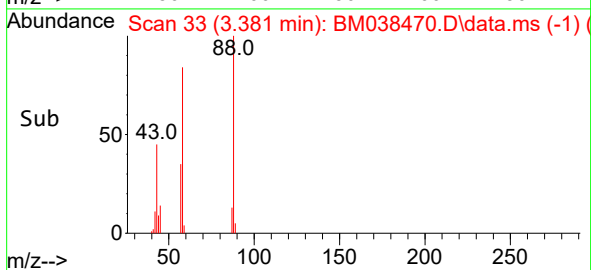
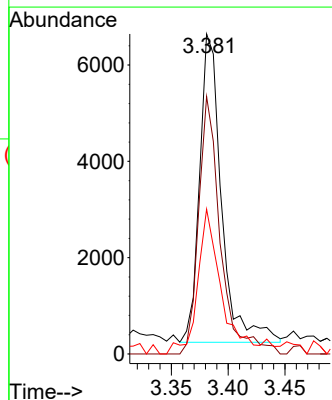
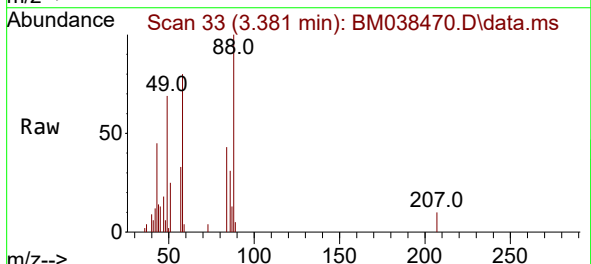
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

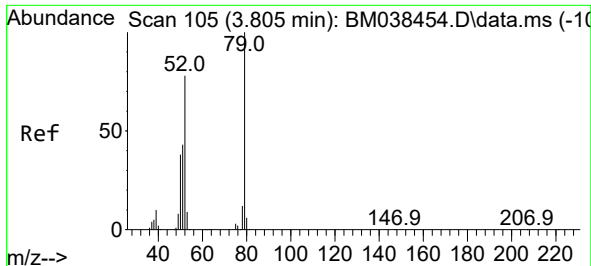
Tgt Ion:152 Resp: 73159
Ion Ratio Lower Upper
152 100
150 154.9 116.0 174.0
115 63.9 49.4 74.2



#2
1,4-Dioxane
Concen: 3.918 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion: 88 Resp: 8587
Ion Ratio Lower Upper
88 100
58 82.9 64.3 96.5
43 50.2 32.3 48.5

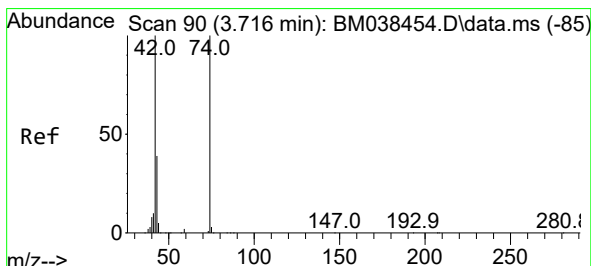
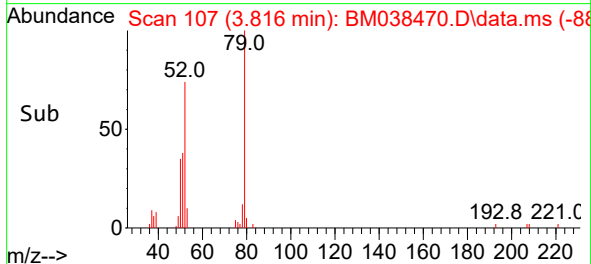
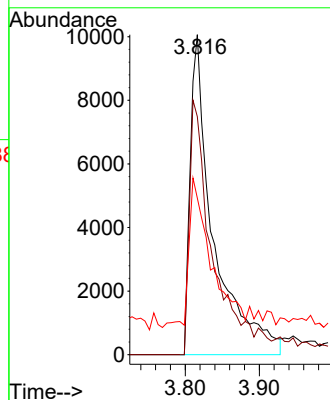
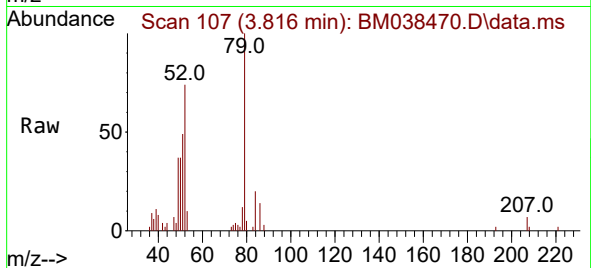




#3
Pyridine
Concen: 3.450 ng
RT: 3.816 min Scan# 10
Delta R.T. 0.012 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

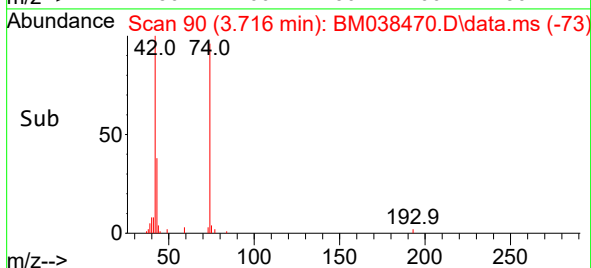
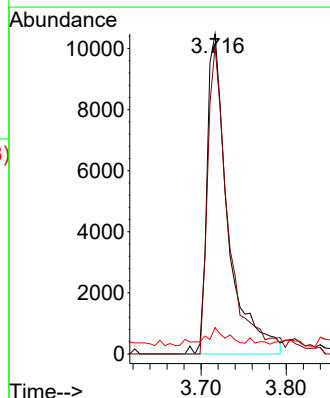
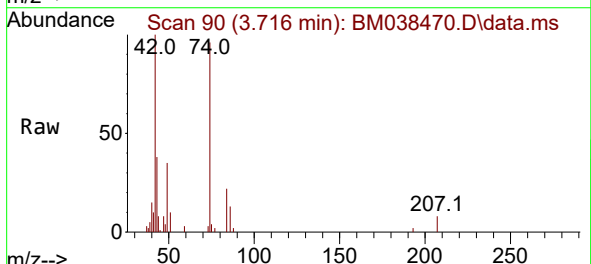
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

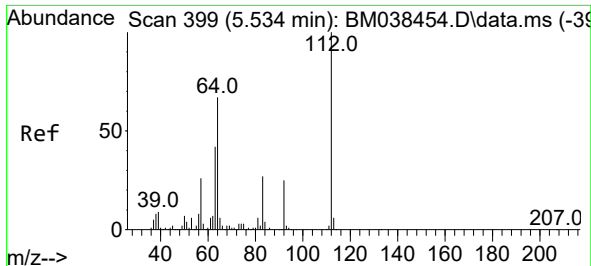
Tgt Ion:	79	Resp:	21876
Ion	Ratio	Lower	Upper
79	100		
52	74.4	62.2	93.2
51	48.9	34.8	52.2



#4
n-Nitrosodimethylamine
Concen: 4.772 ng
RT: 3.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:	42	Resp:	17900
Ion	Ratio	Lower	Upper
42	100		
74	96.1	79.7	119.5
44	8.3	4.7	7.1

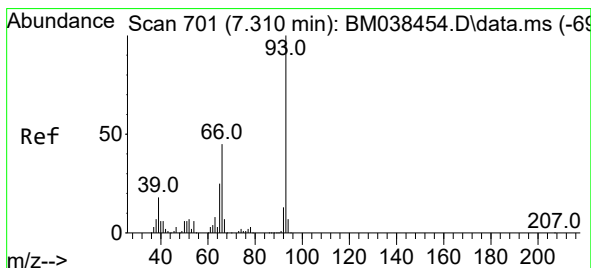
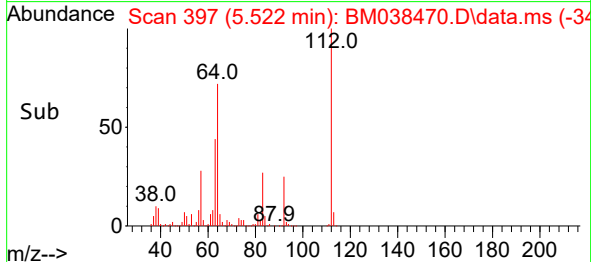
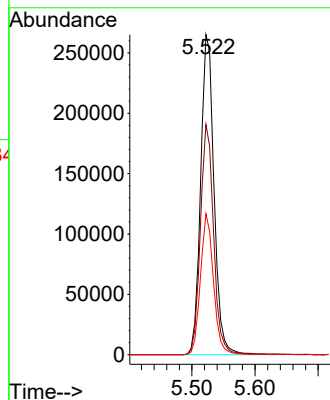
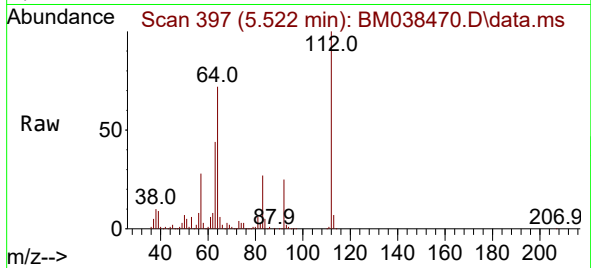




#5
2-Fluorophenol
Concen: 81.428 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

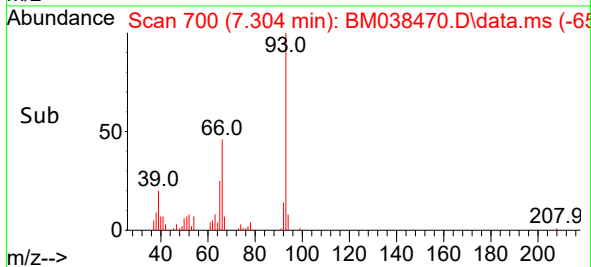
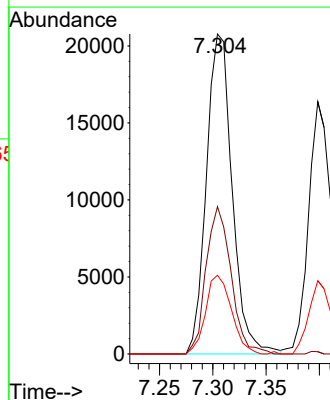
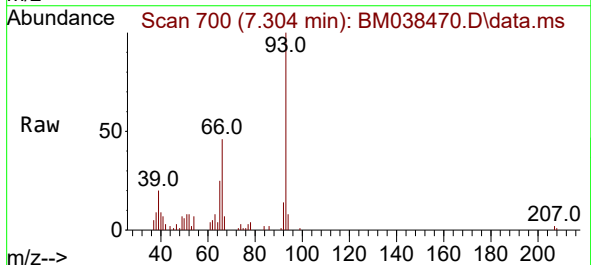
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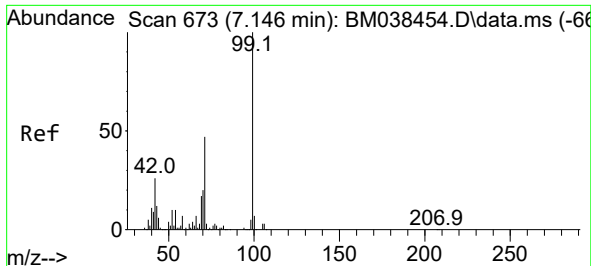
Tgt Ion:112 Resp: 390532
Ion Ratio Lower Upper
112 100
64 71.9 53.7 80.5
63 44.1 33.7 50.5



#6
Aniline
Concen: 4.506 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion: 93 Resp: 34964
Ion Ratio Lower Upper
93 100
66 46.1 36.2 54.2
65 24.6 19.8 29.8

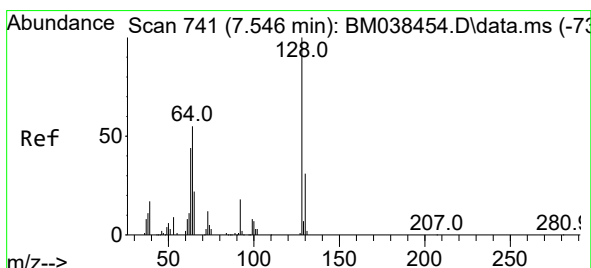
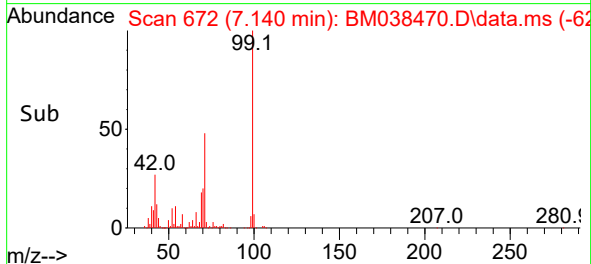
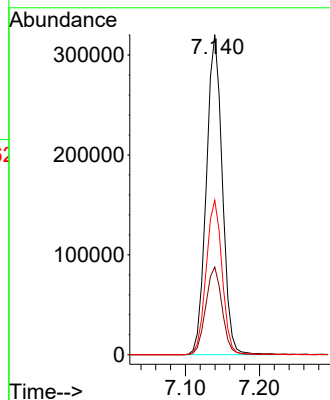
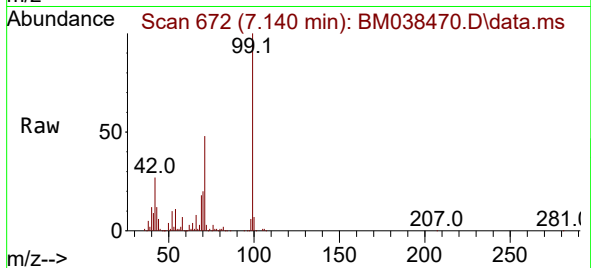




#7
Phenol-d6
Concen: 78.145 ng
RT: 7.140 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

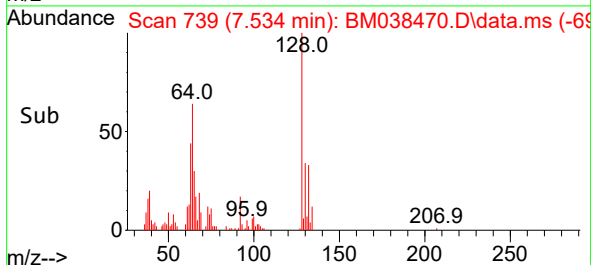
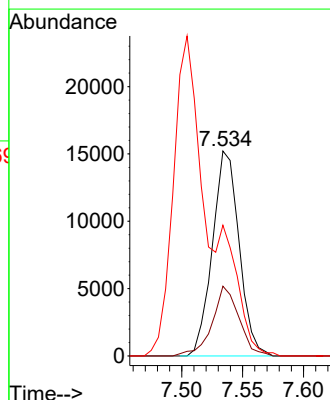
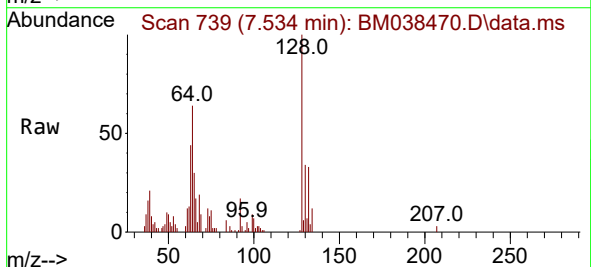
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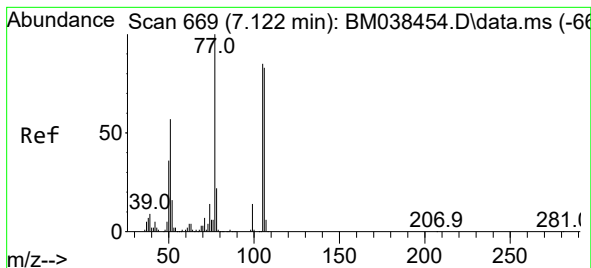
Tgt Ion: 99 Resp: 480098
Ion Ratio Lower Upper
99 100
42 27.4 20.8 31.2
71 48.3 37.8 56.8



#8
2-Chlorophenol
Concen: 4.890 ng
RT: 7.534 min Scan# 739
Delta R.T. -0.012 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion: 128 Resp: 23221
Ion Ratio Lower Upper
128 100
130 34.0 11.5 51.5
64 63.8 38.0 78.0





#9

Benzaldehyde

Concen: 4.685 ng

RT: 7.116 min Scan# 6

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

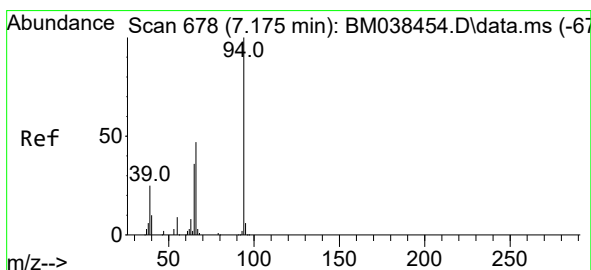
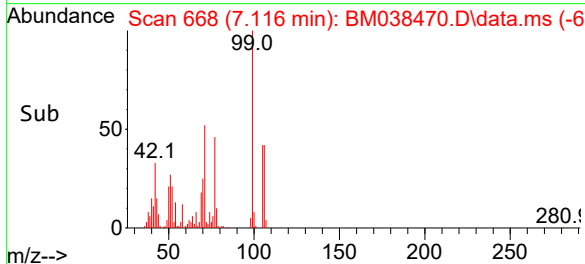
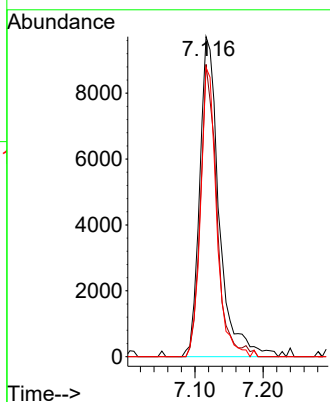
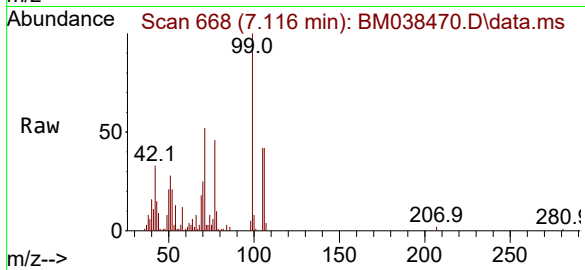
Tgt Ion: 77 Resp: 19246

Ion Ratio Lower Upper

77 100

105 91.4 65.3 105.3

106 90.4 62.5 102.5



#10

Phenol

Concen: 4.664 ng

RT: 7.163 min Scan# 676

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

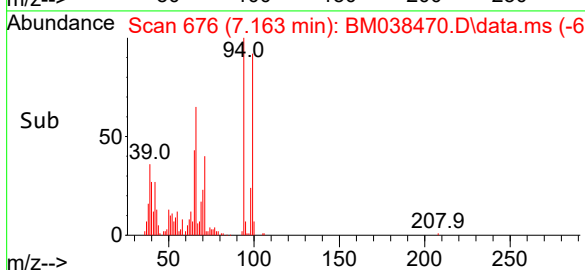
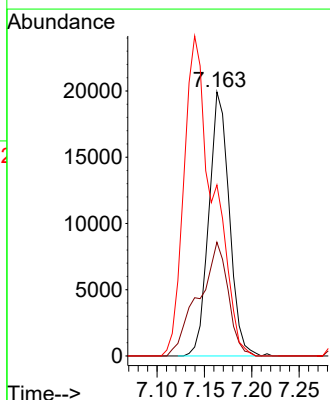
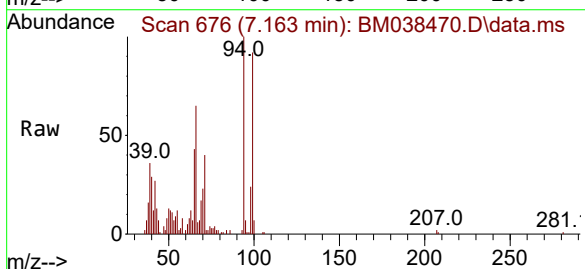
Tgt Ion: 94 Resp: 29858

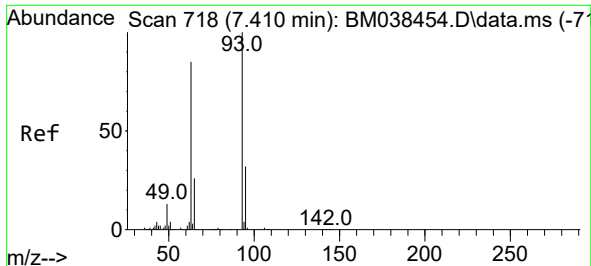
Ion Ratio Lower Upper

94 100

65 43.1 16.3 56.3

66 64.8 29.2 69.2

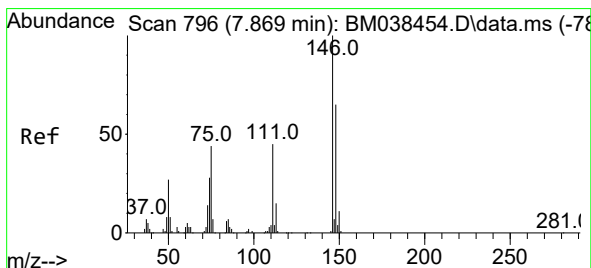
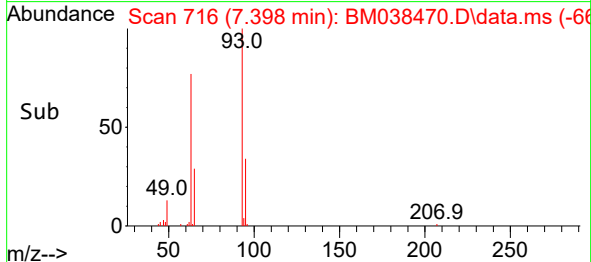
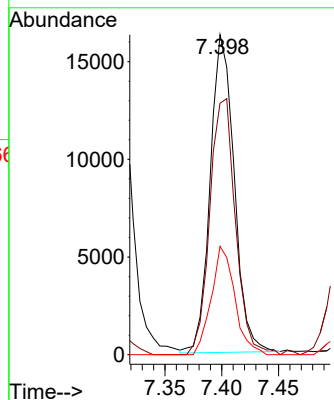
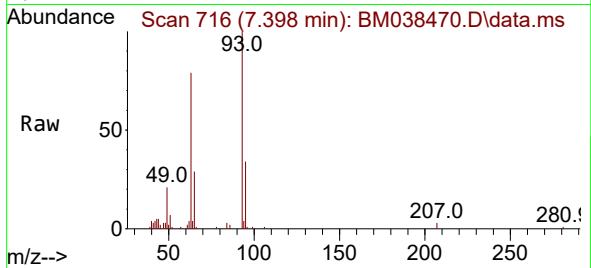




#11
bis(2-Chloroethyl)ether
Concen: 4.603 ng
RT: 7.398 min Scan# 716
Delta R.T. -0.012 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

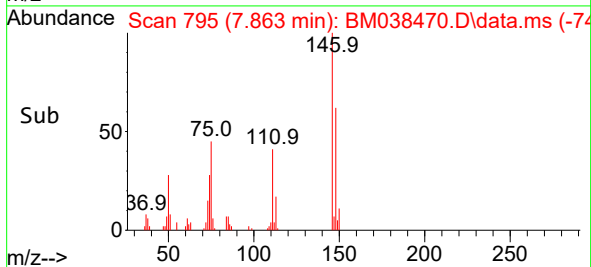
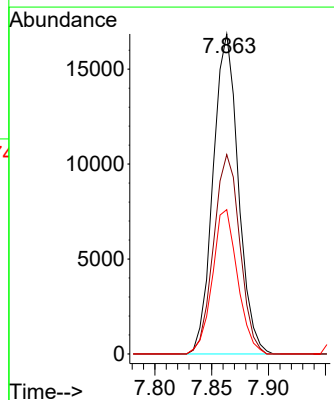
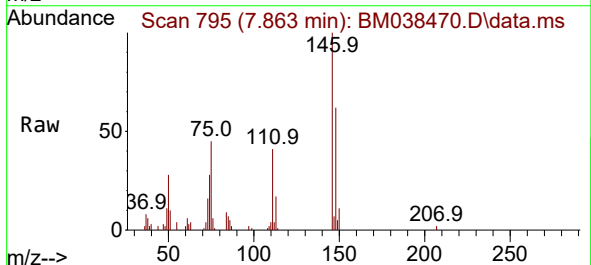
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

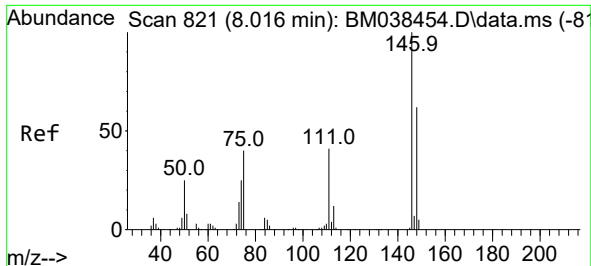
Tgt Ion: 93 Resp: 23881
Ion Ratio Lower Upper
93 100
63 78.6 64.6 104.6
95 33.9 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 5.120 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:146 Resp: 26043
Ion Ratio Lower Upper
146 100
148 62.3 51.8 77.8
75 45.1 35.1 52.7

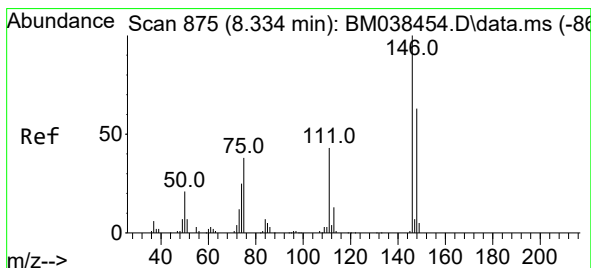
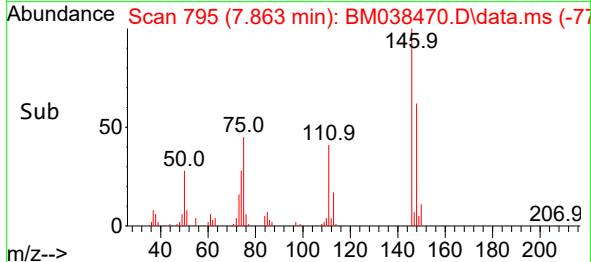
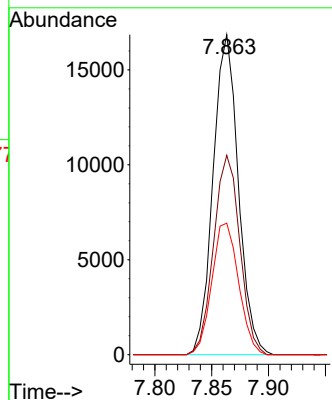
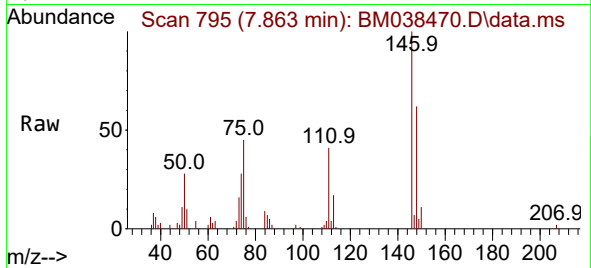




#13
1,4-Dichlorobenzene
Concen: 5.089 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.153 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

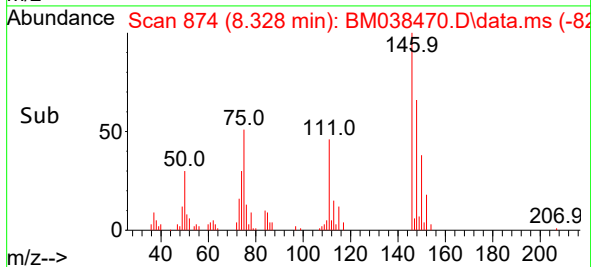
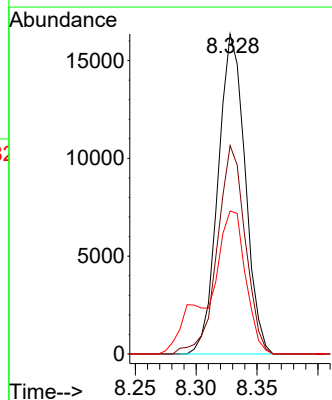
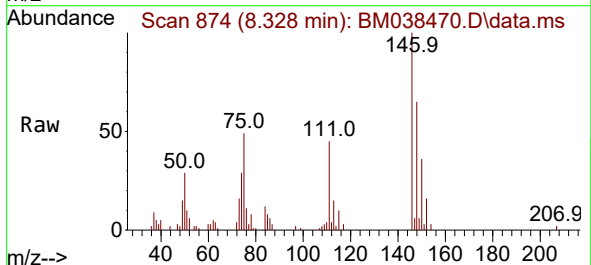
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

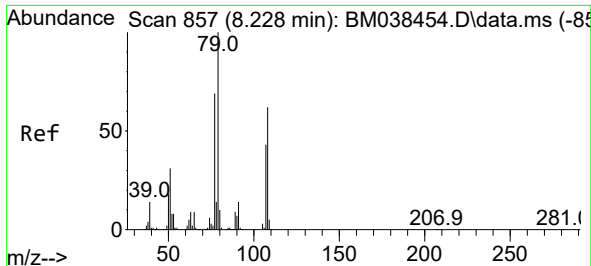
Tgt Ion:146 Resp: 26043
Ion Ratio Lower Upper
146 100
148 62.3 50.1 75.1
111 41.1 32.8 49.2



#14
1,2-Dichlorobenzene
Concen: 5.055 ng
RT: 8.328 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:146 Resp: 25293
Ion Ratio Lower Upper
146 100
148 65.1 50.7 76.1
111 44.7 35.2 52.8

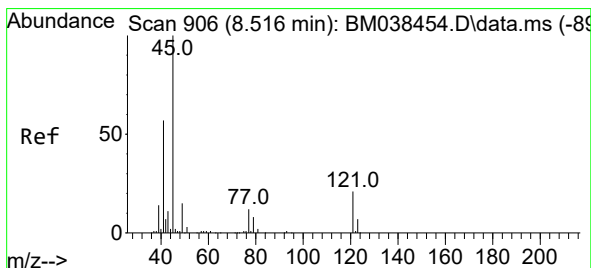
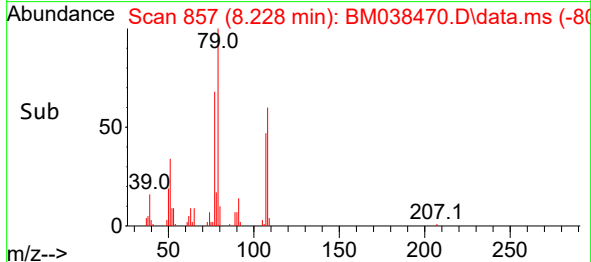
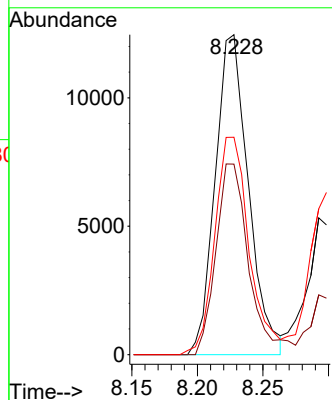
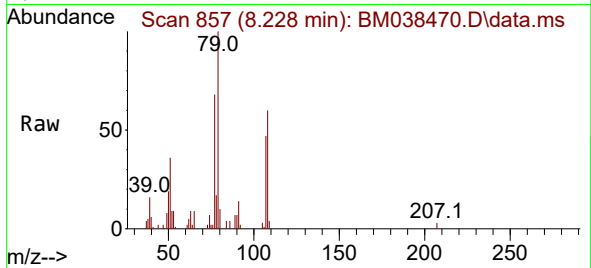




#15
Benzyl Alcohol
Concen: 4.455 ng
RT: 8.228 min Scan# 857
Delta R.T. -0.000 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

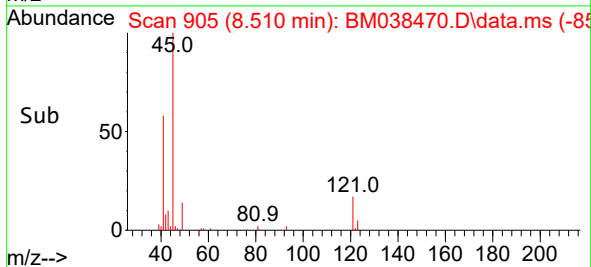
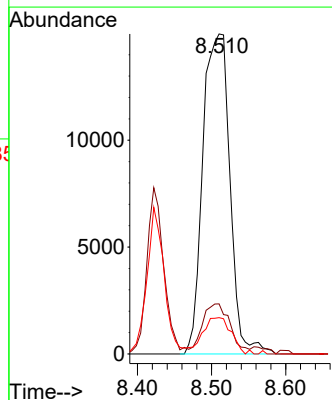
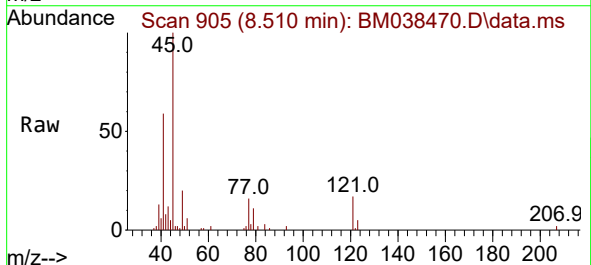
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

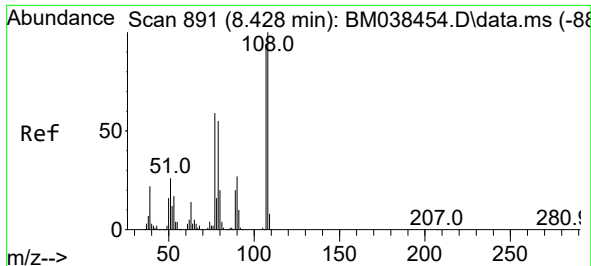
Tgt Ion: 79 Resp: 21921
Ion Ratio Lower Upper
79 100
108 59.5 49.3 73.9
77 68.0 55.1 82.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.253 ng
RT: 8.510 min Scan# 905
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion: 45 Resp: 37999
Ion Ratio Lower Upper
45 100
77 15.7 0.0 34.7
79 11.3 0.0 30.4

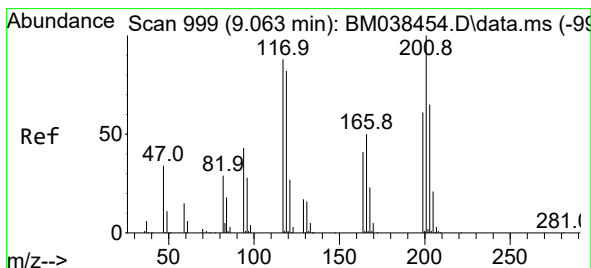
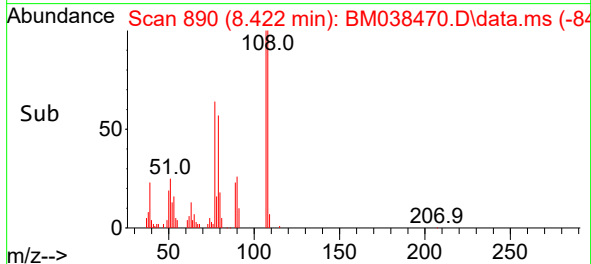
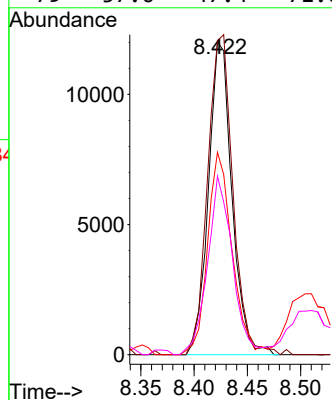
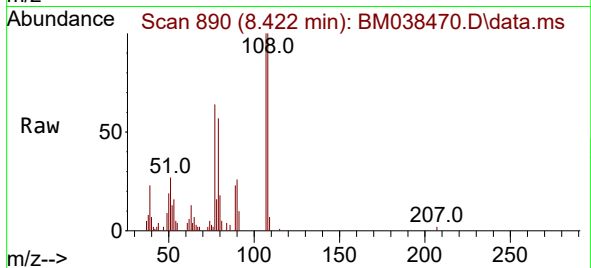




#17
2-Methylphenol
Concen: 4.278 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

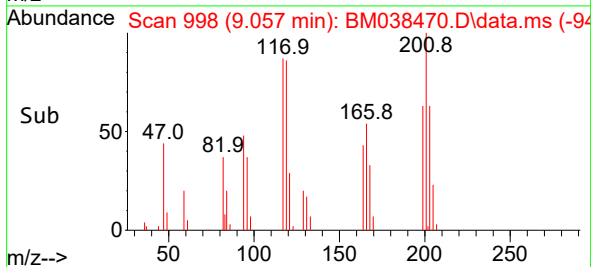
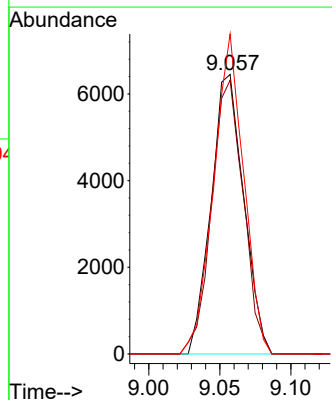
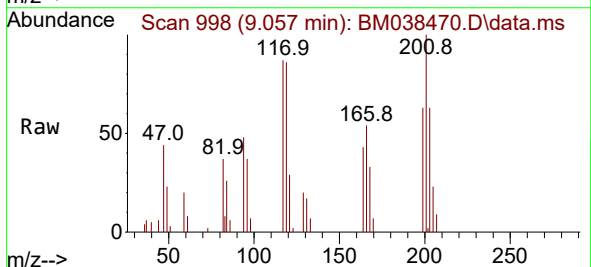
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

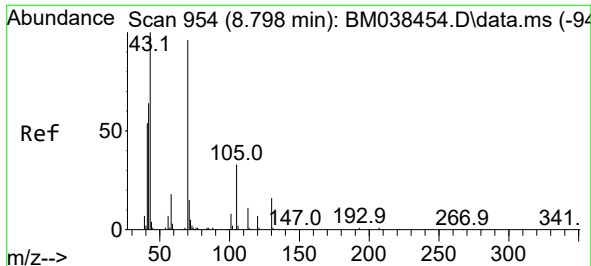
Tgt Ion:	107	Resp:	18500
Ion	Ratio	Lower	Upper
107	100		
108	100.3	85.7	128.5
77	64.7	50.5	75.7
79	57.0	47.4	71.0



#18
Hexachloroethane
Concen: 4.919 ng
RT: 9.057 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:	117	Resp:	10311
Ion	Ratio	Lower	Upper
117	100		
119	98.0	74.5	111.7
201	114.5	91.3	136.9

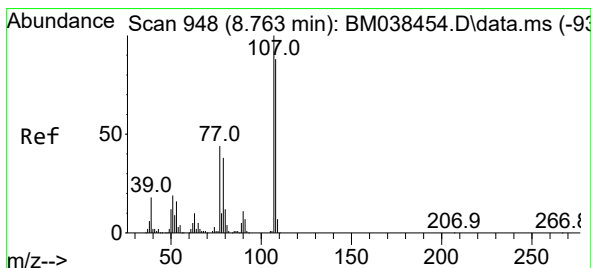
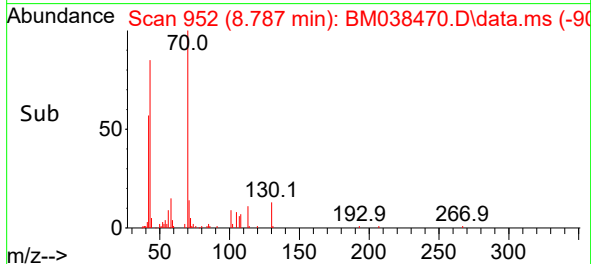
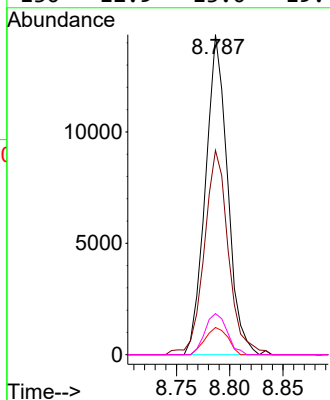
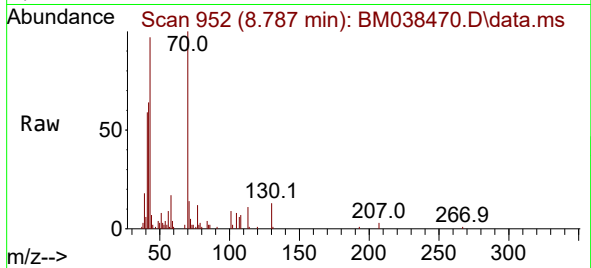




#19
n-Nitroso-di-n-propylamine
Concen: 4.657 ng
RT: 8.787 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

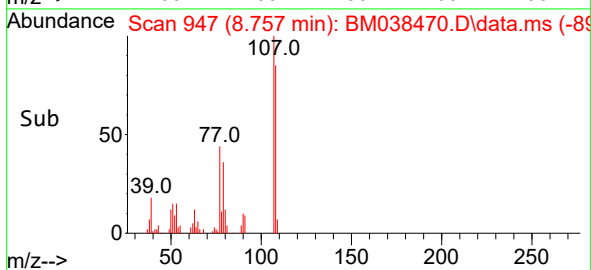
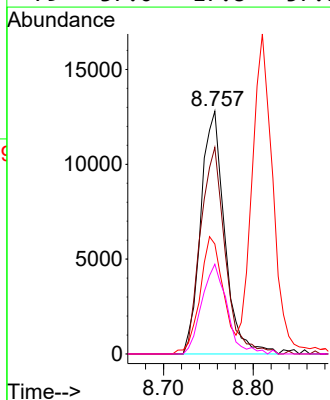
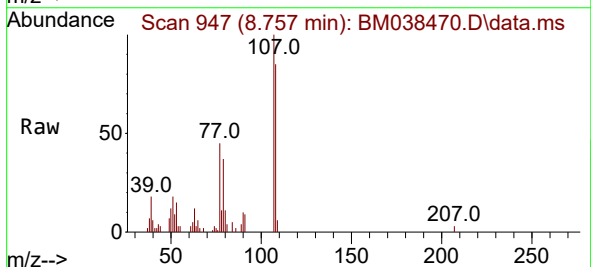
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

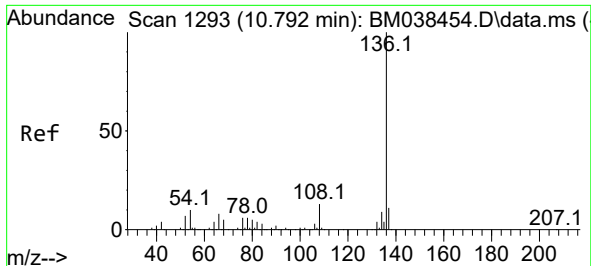
Tgt Ion: 70 Resp: 20770
Ion Ratio Lower Upper
70 100
42 63.8 54.2 81.2
101 8.5 6.6 10.0
130 12.9 13.0 19.4#



#20
3+4-Methylphenols
Concen: 4.084 ng
RT: 8.757 min Scan# 947
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion: 107 Resp: 23711
Ion Ratio Lower Upper
107 100
108 85.1 67.6 107.6
77 45.3 24.1 64.1
79 37.0 17.8 57.8

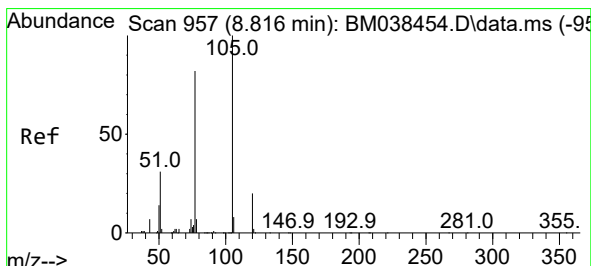
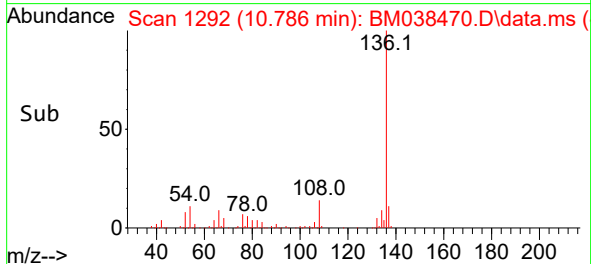
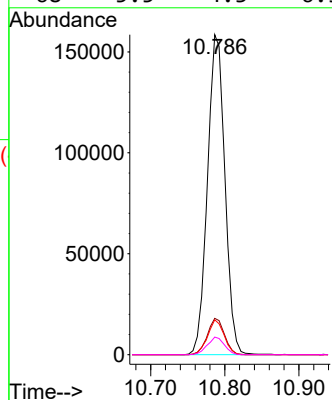
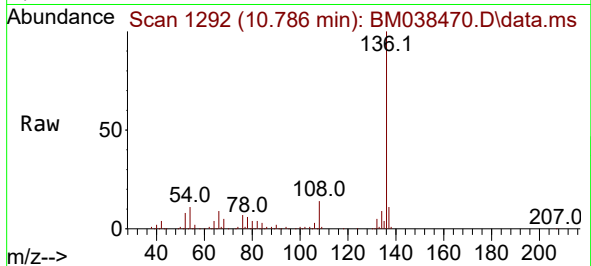




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

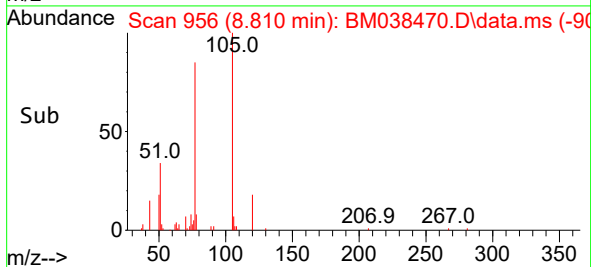
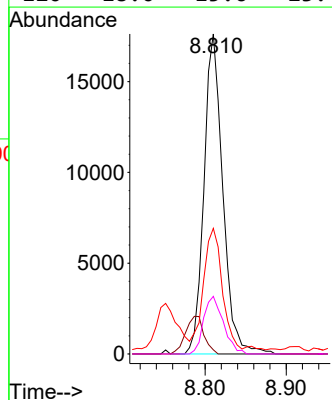
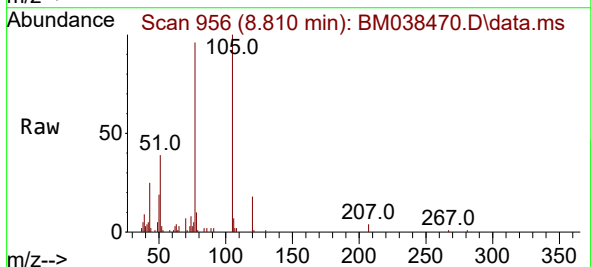
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

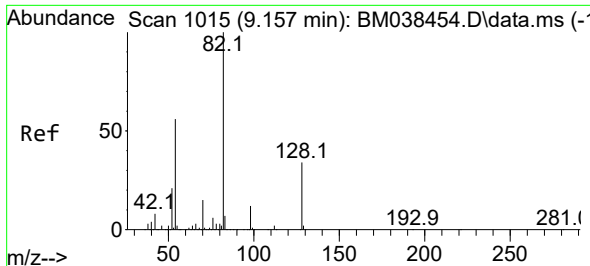
Tgt Ion:136 Resp: 259177
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 10.9 7.6 11.4
68 5.5 4.3 6.5



#22
Acetophenone
Concen: 3.699 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:105 Resp: 28341
Ion Ratio Lower Upper
105 100
71 1.3 1.0 1.6
51 39.2 27.4 41.2
120 18.0 15.6 23.4

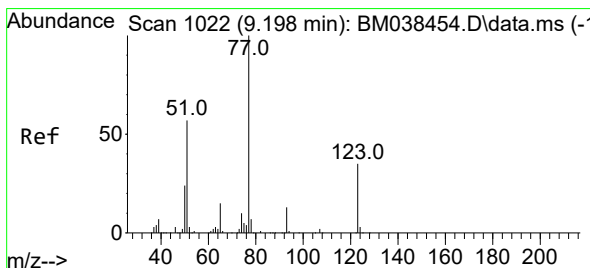
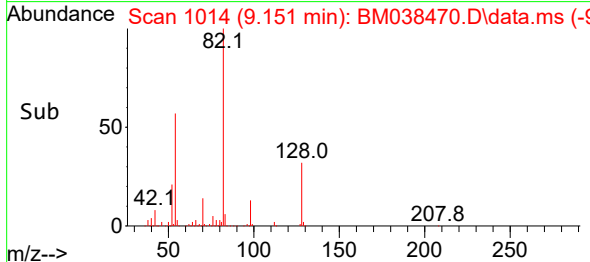
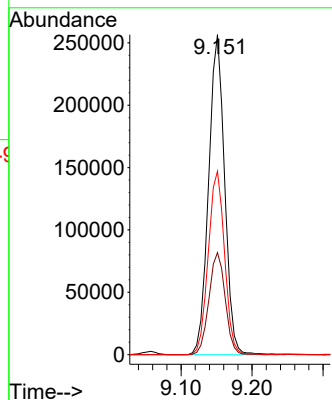
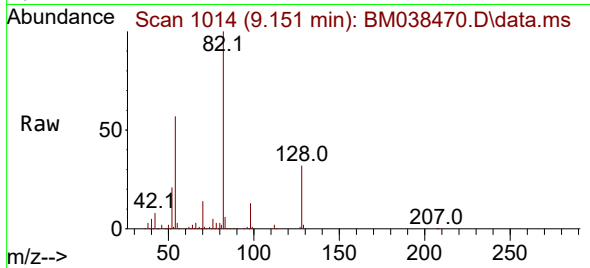




#23
Nitrobenzene-d5
Concen: 63.153 ng
RT: 9.151 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

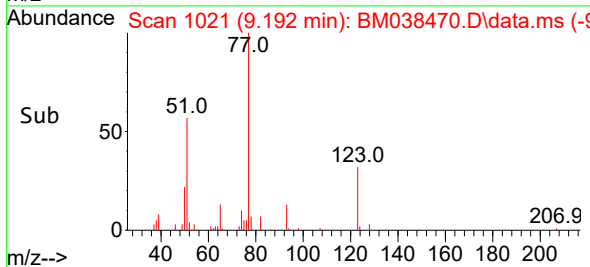
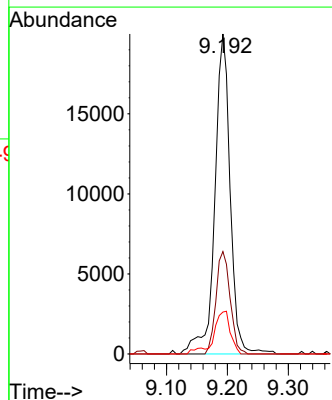
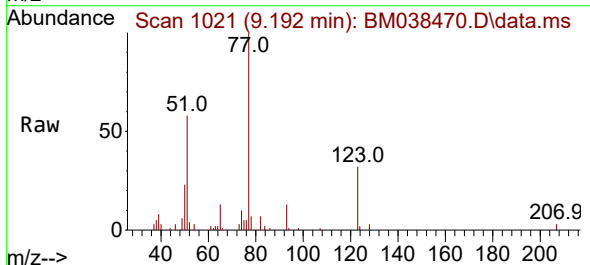
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

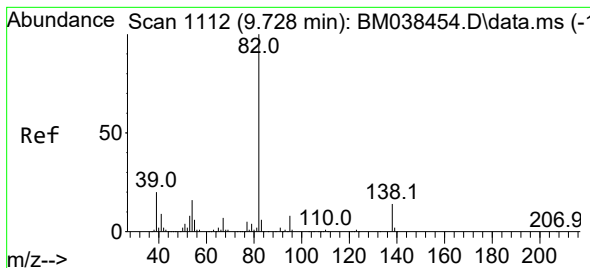
Tgt Ion: 82 Resp: 401714
Ion Ratio Lower Upper
82 100
128 31.9 27.0 40.6
54 57.3 45.0 67.6



#24
Nitrobenzene
Concen: 5.231 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion: 77 Resp: 35158
Ion Ratio Lower Upper
77 100
123 32.0 28.2 42.4
65 13.1 12.1 18.1





#25

Isophorone

Concen: 4.570 ng

RT: 9.716 min Scan# 1110

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

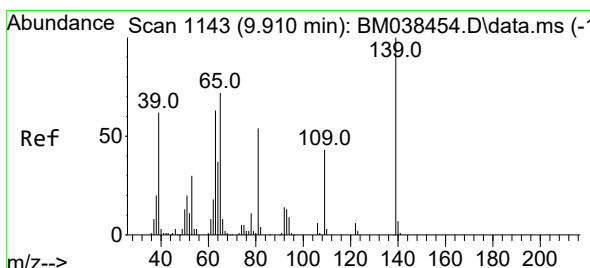
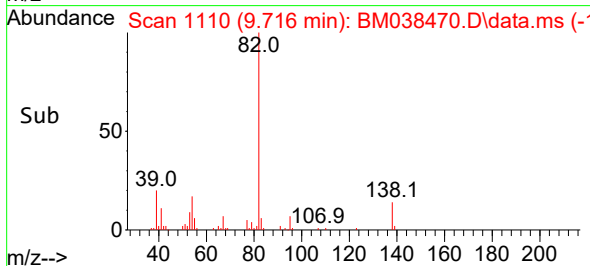
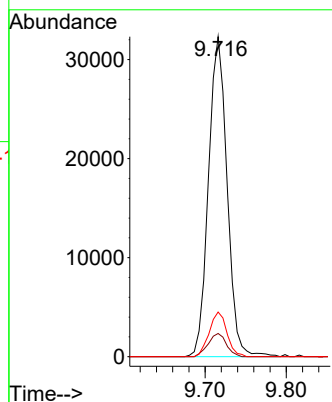
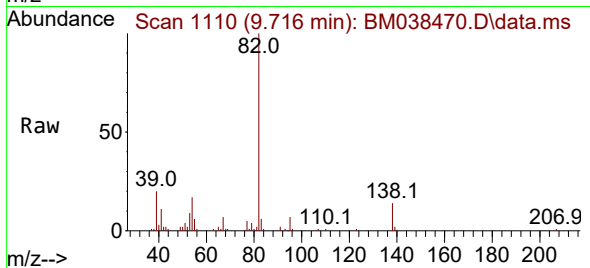
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion: 82	Resp: 51486
Ion Ratio	Lower Upper
82	100
95	7.3 6.1 9.1
138	14.0 11.5 17.3



#26

2-Nitrophenol

Concen: 4.349 ng

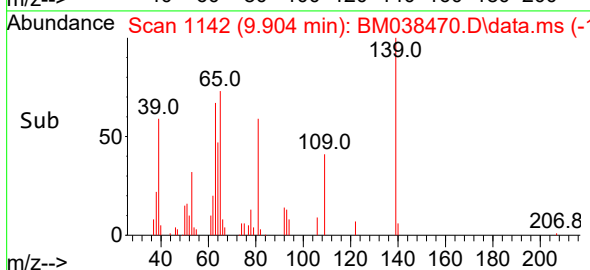
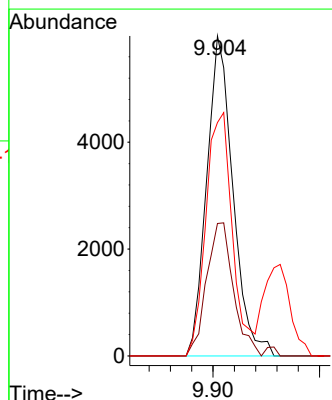
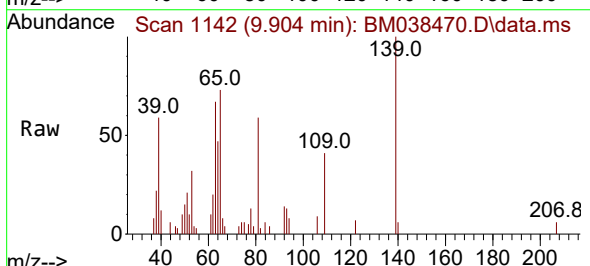
RT: 9.904 min Scan# 1142

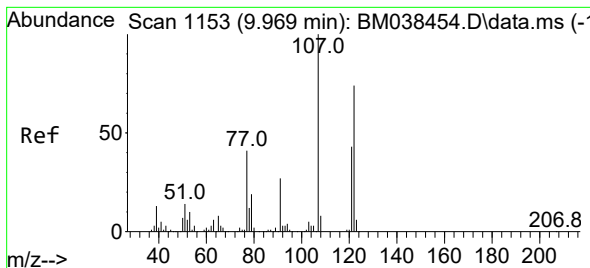
Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Tgt Ion: 139	Resp: 10262
Ion Ratio	Lower Upper
139	100
109	41.4 34.7 52.1
65	73.0 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 4.255 ng

RT: 9.963 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

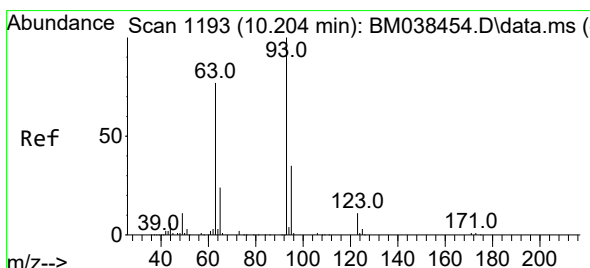
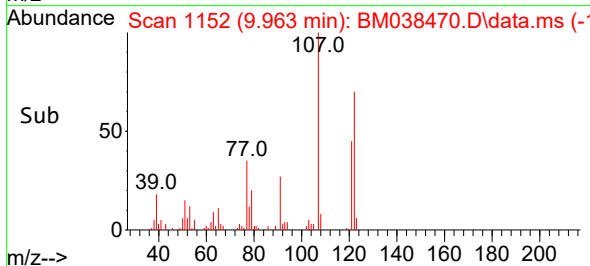
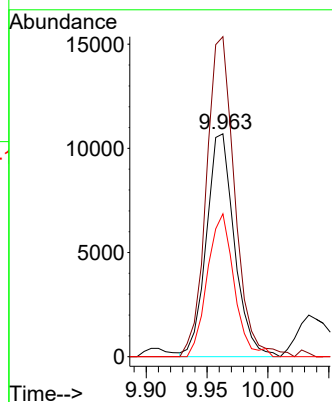
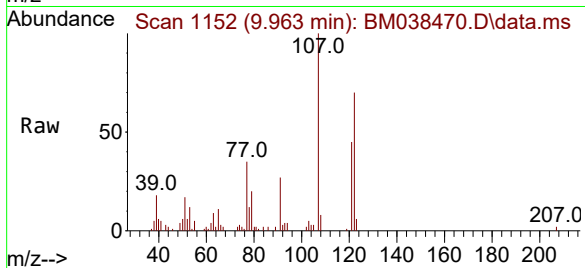
Tgt Ion:122 Resp: 17095

Ion Ratio Lower Upper

122 100

107 143.6 107.4 161.0

121 64.1 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.635 ng

RT: 10.198 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

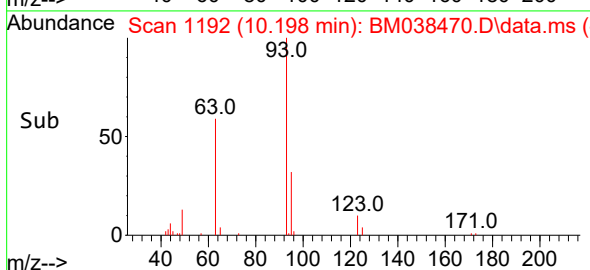
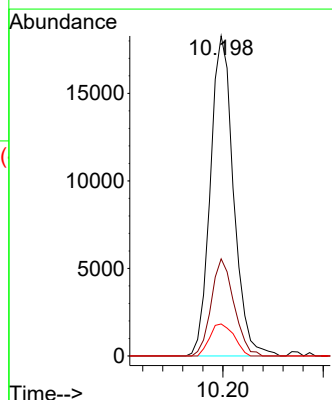
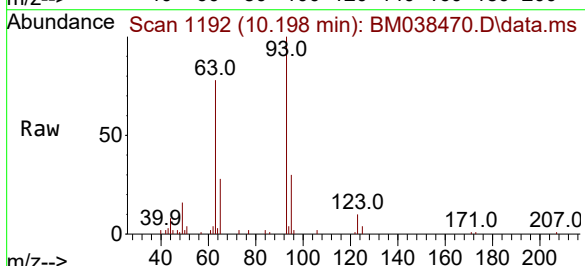
Tgt Ion: 93 Resp: 29369

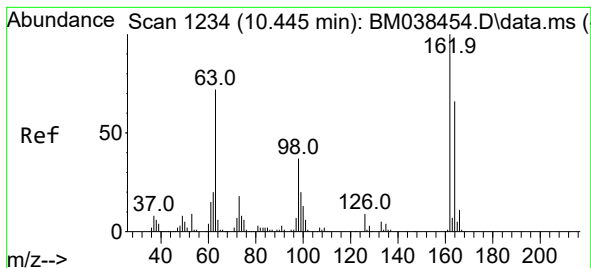
Ion Ratio Lower Upper

93 100

95 30.4 27.7 41.5

123 10.0 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 4.228 ng

RT: 10.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

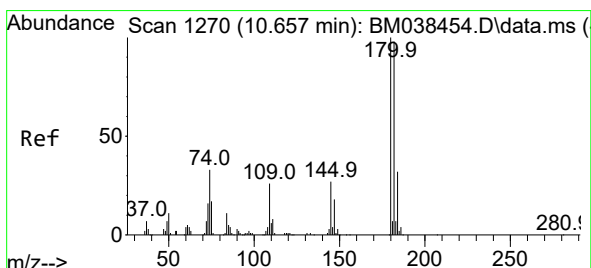
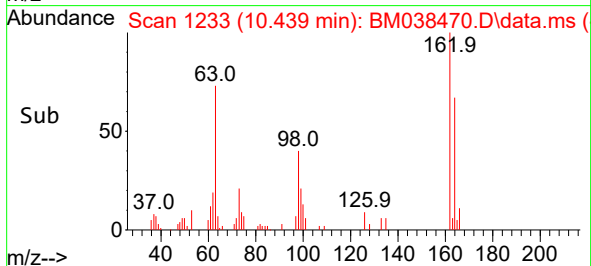
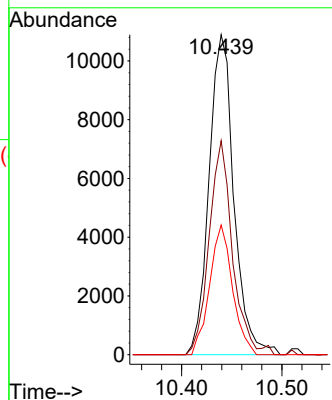
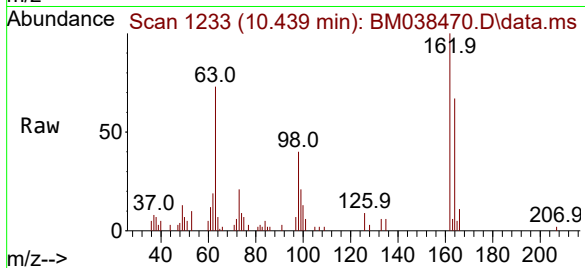
Tgt Ion:162 Resp: 18768

Ion Ratio Lower Upper

162 100

164 66.8 46.5 86.5

98 40.5 17.1 57.1



#30

1,2,4-Trichlorobenzene

Concen: 4.579 ng

RT: 10.651 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

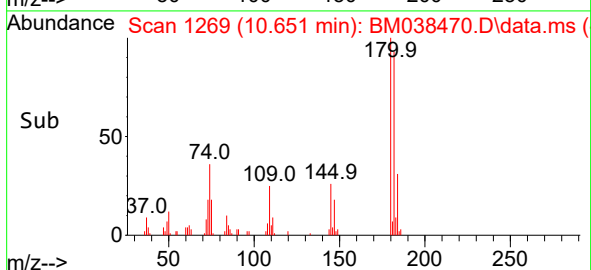
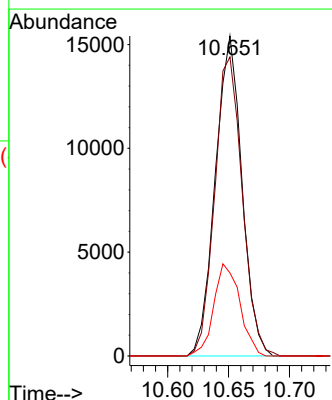
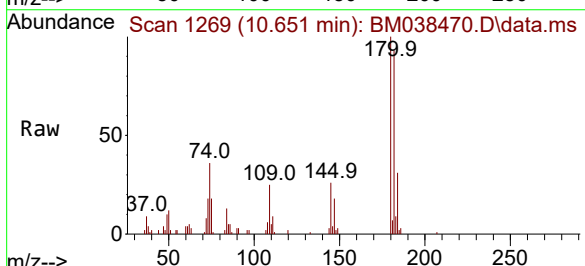
Tgt Ion:180 Resp: 23503

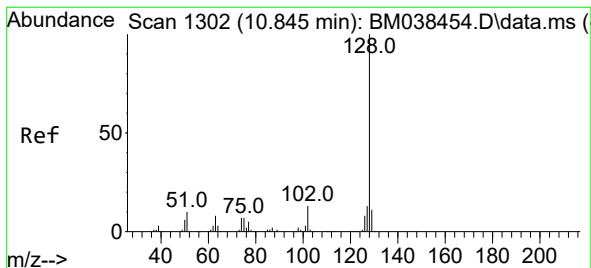
Ion Ratio Lower Upper

180 100

182 93.5 78.1 117.1

145 26.0 21.9 32.9





#31

Naphthalene

Concen: 4.601 ng

RT: 10.839 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

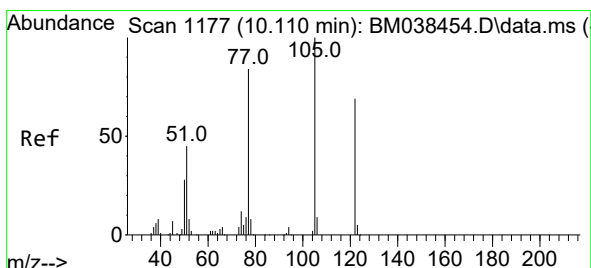
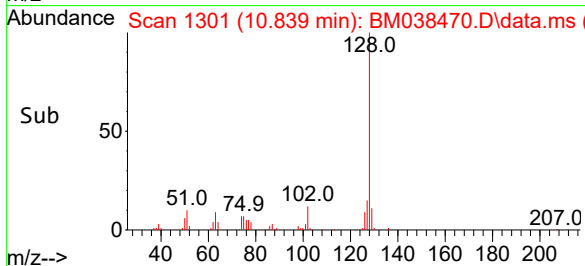
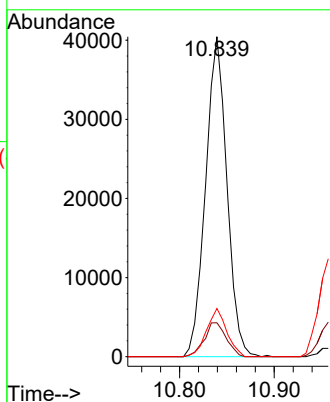
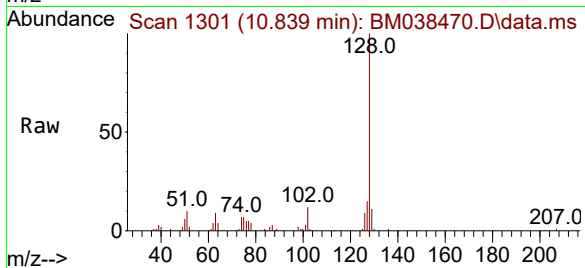
Tgt Ion:128 Resp: 63192

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 15.1 10.8 16.2



#32

Benzoic acid

Concen: 6.735 ng

RT: 10.034 min Scan# 1164

Delta R.T. -0.076 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

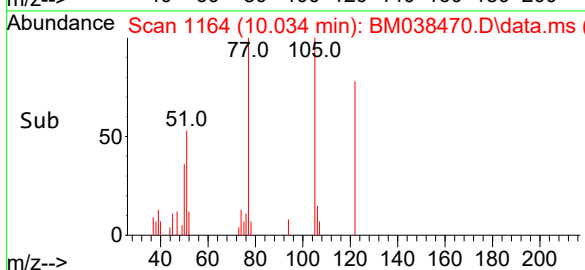
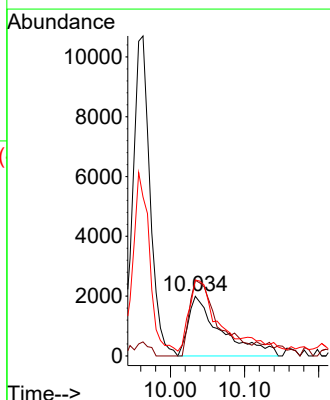
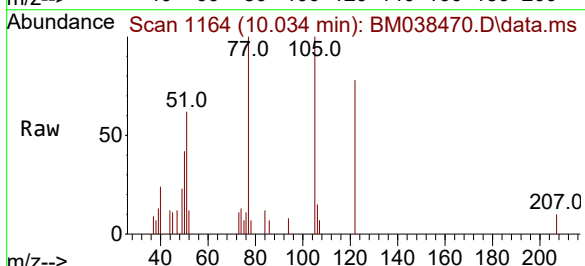
Tgt Ion:122 Resp: 6126

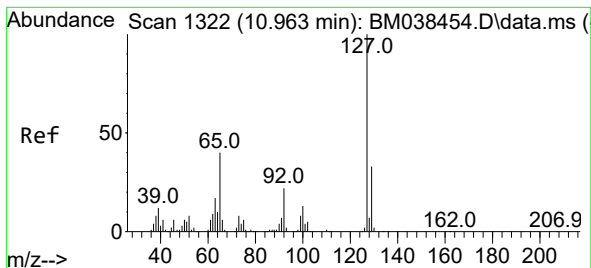
Ion Ratio Lower Upper

122 100

105 127.0 122.6 162.6

77 127.5 101.5 141.5





#33

4-Chloroaniline

Concen: 3.970 ng

RT: 10.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM038470.D

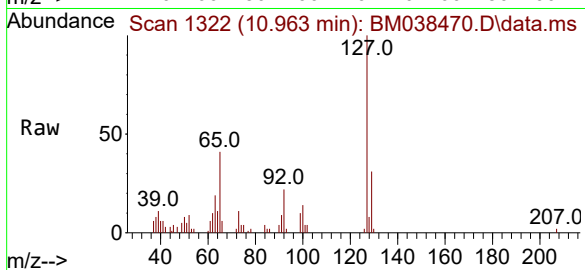
Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:127 Resp: 23933

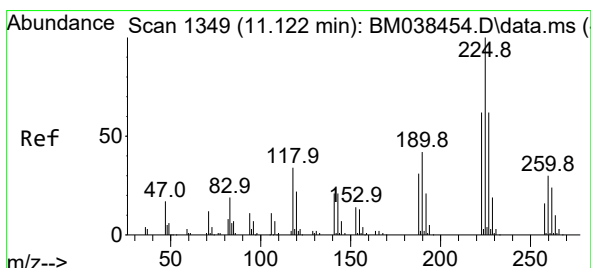
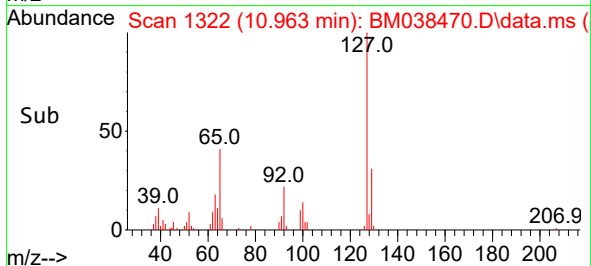
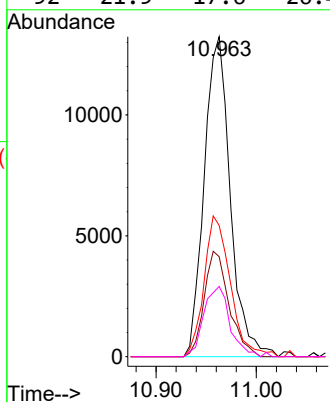
Ion Ratio Lower Upper

127 100

129 31.3 26.4 39.6

65 41.0 32.1 48.1

92 21.9 17.6 26.4



#34

Hexachlorobutadiene

Concen: 4.592 ng

RT: 11.110 min Scan# 1347

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

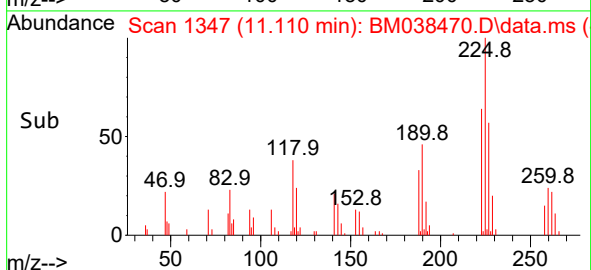
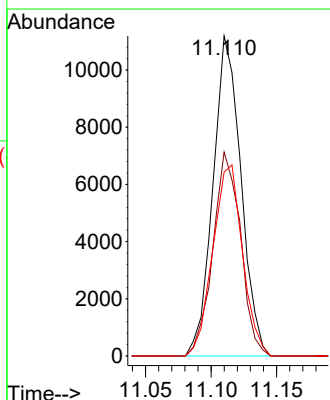
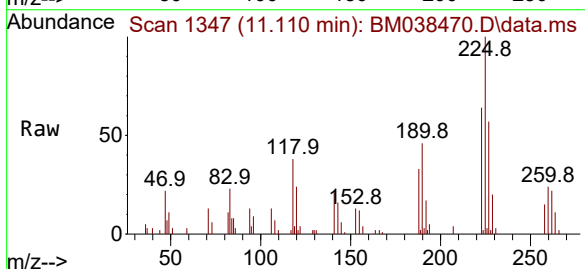
Tgt Ion:225 Resp: 16530

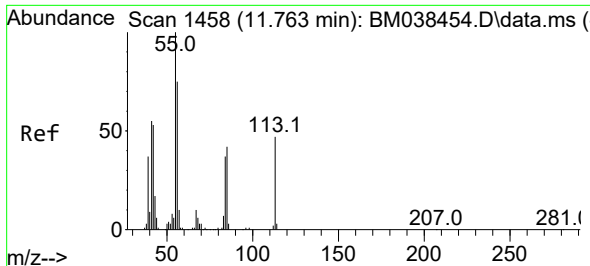
Ion Ratio Lower Upper

225 100

223 66.2 49.8 74.8

227 57.5 49.6 74.4

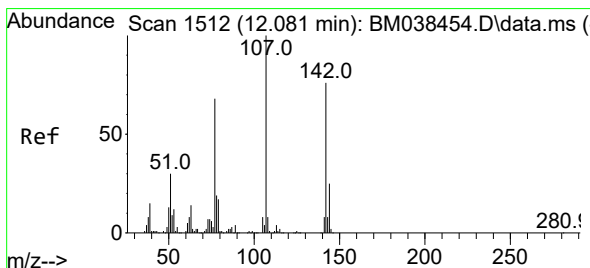
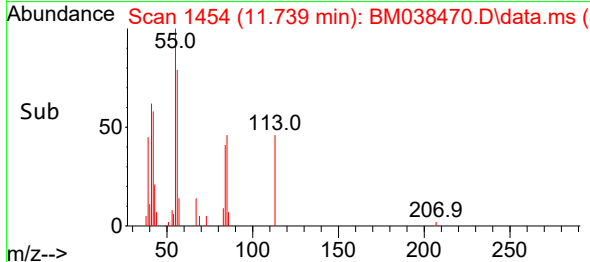
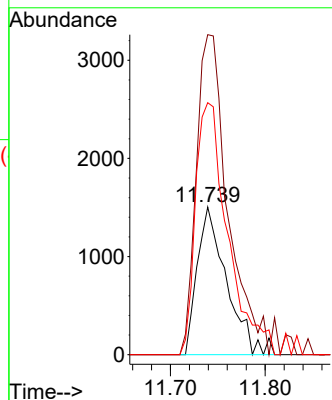
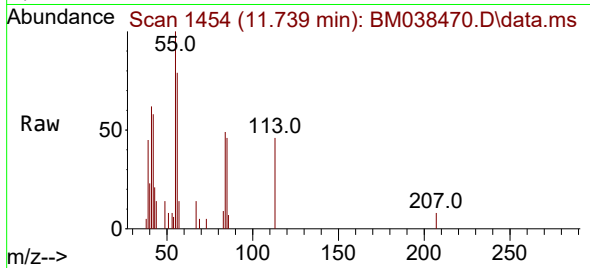




#35
Caprolactam
Concen: 2.580 ng
RT: 11.739 min Scan# 1454
Delta R.T. -0.024 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

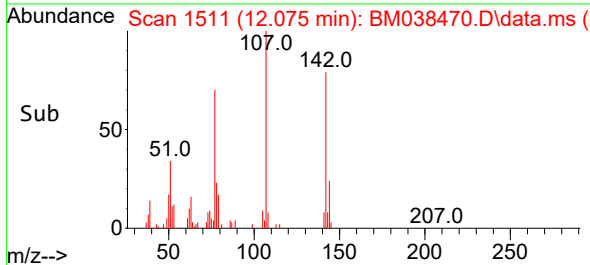
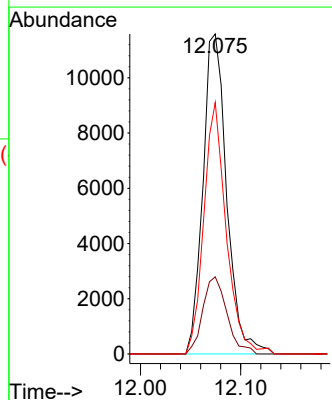
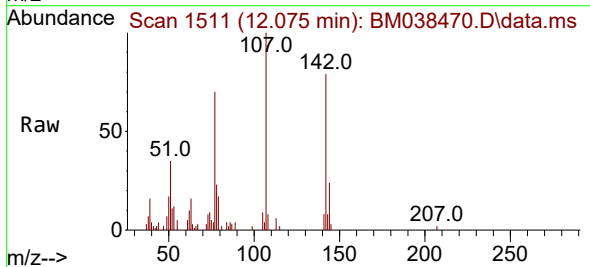
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

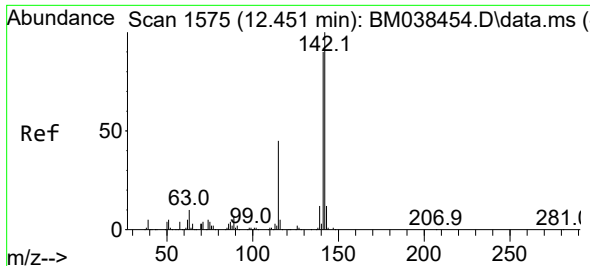
Tgt Ion:113 Resp: 3237
Ion Ratio Lower Upper
113 100
55 216.7 194.2 234.2
56 170.6 141.6 181.6



#36
4-Chloro-3-methylphenol
Concen: 3.962 ng
RT: 12.075 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:107 Resp: 19176
Ion Ratio Lower Upper
107 100
144 24.1 20.3 30.5
142 78.6 61.2 91.8

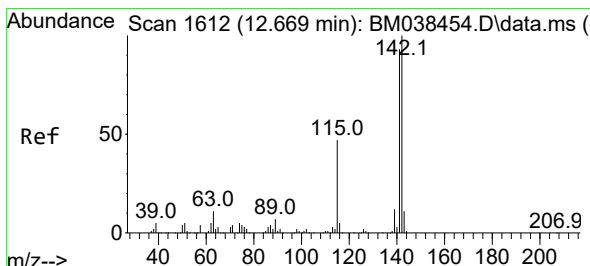
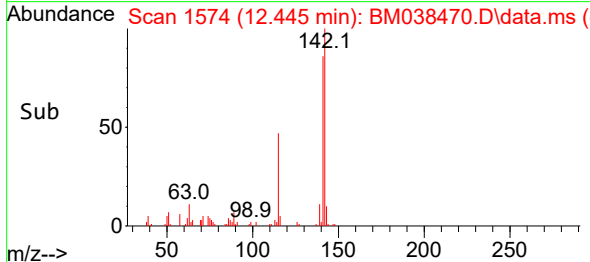
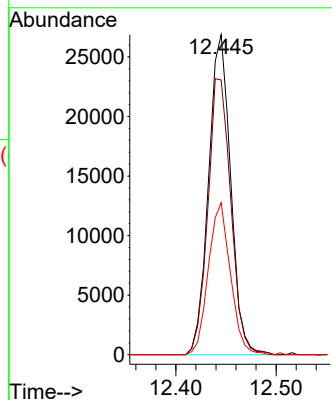
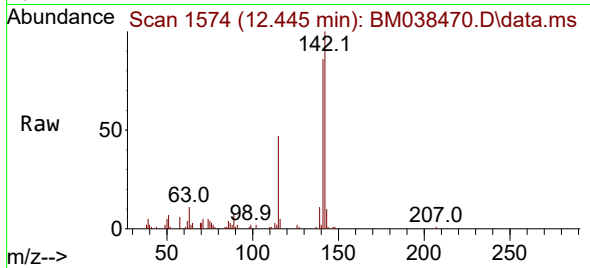




#37
2-Methylnaphthalene
Concen: 4.105 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

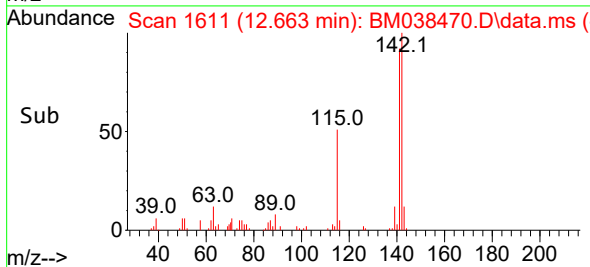
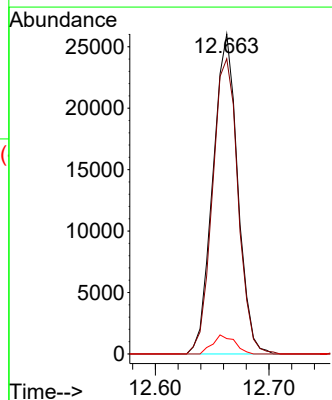
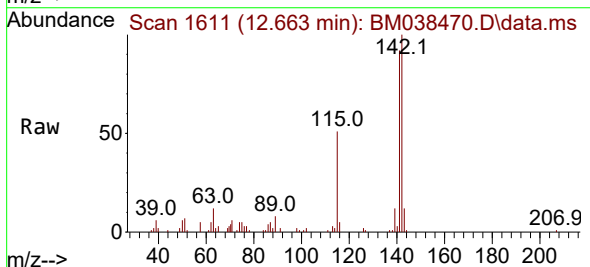
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

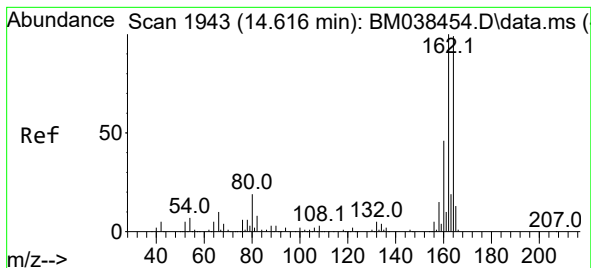
Tgt Ion:142 Resp: 41230
Ion Ratio Lower Upper
142 100
141 85.8 72.0 108.0
115 47.5 35.9 53.9



#38
1-Methylnaphthalene
Concen: 4.186 ng
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:142 Resp: 39471
Ion Ratio Lower Upper
142 100
141 92.2 74.4 111.6
116 4.8 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

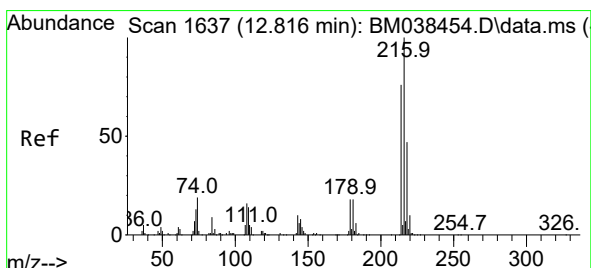
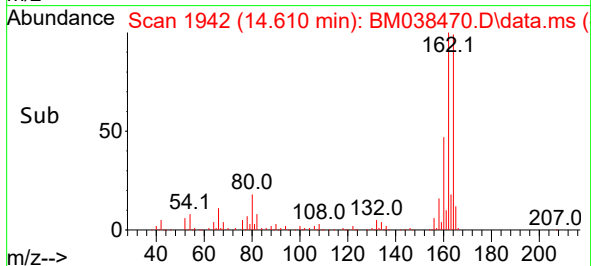
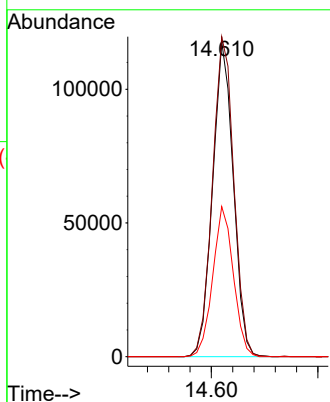
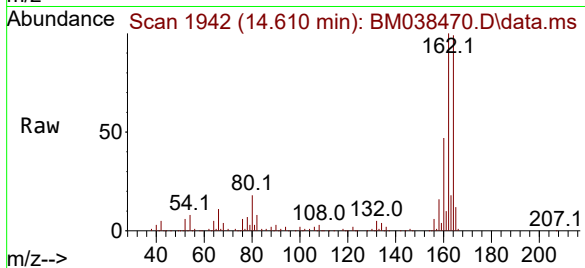
Tgt Ion:164 Resp: 158643

Ion Ratio Lower Upper

164 100

162 101.4 80.9 121.3

160 47.6 37.4 56.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.566 ng

RT: 12.810 min Scan# 1636

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Tgt Ion:216 Resp: 21176

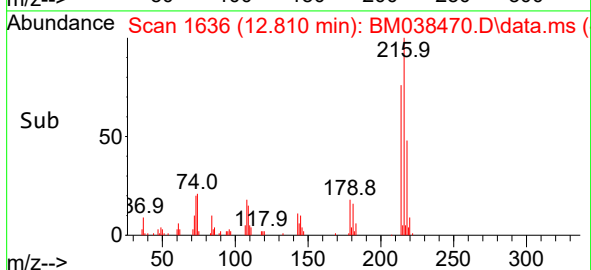
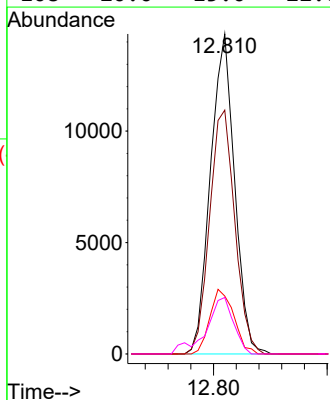
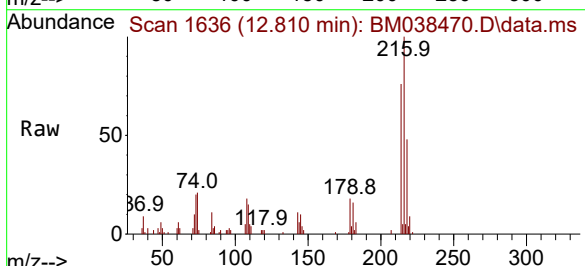
Ion Ratio Lower Upper

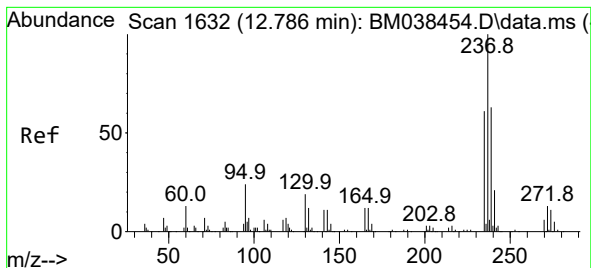
216 100

214 79.8 61.4 92.0

179 20.1 15.3 22.9

108 20.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 4.173 ng

RT: 12.780 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

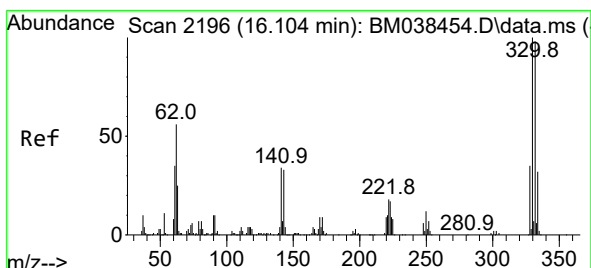
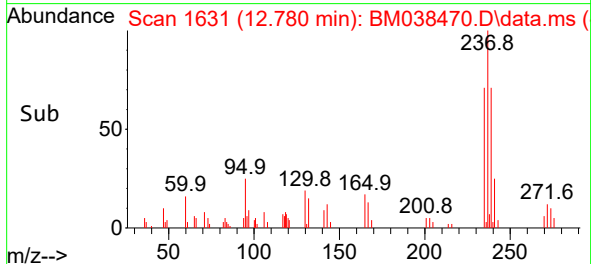
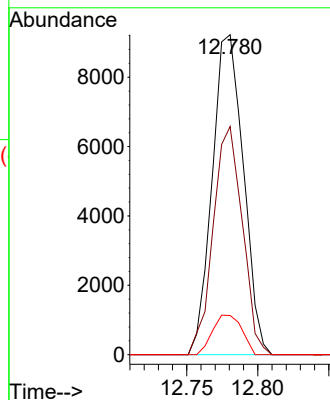
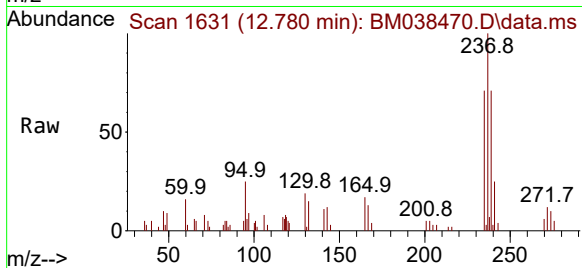
Tgt Ion:237 Resp: 14089

Ion Ratio Lower Upper

237 100

235 71.3 40.9 80.9

272 12.3 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 75.610 ng

RT: 16.098 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

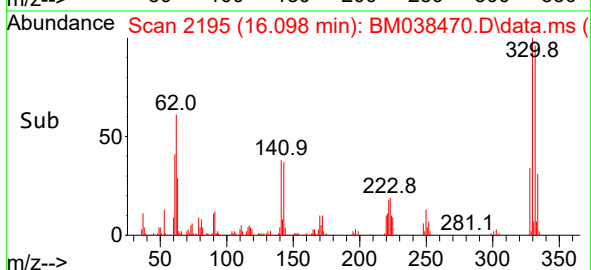
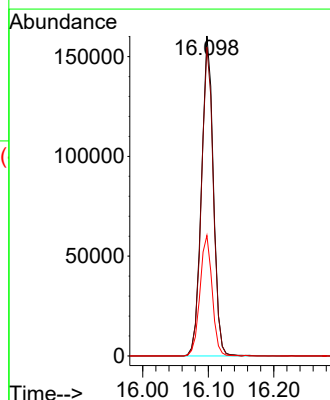
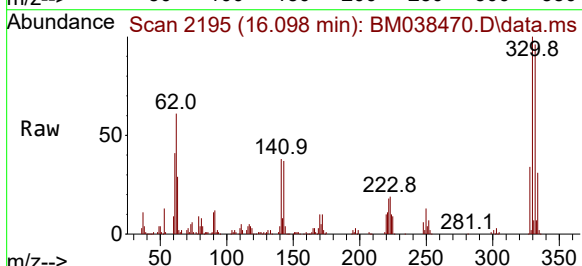
Tgt Ion:330 Resp: 202774

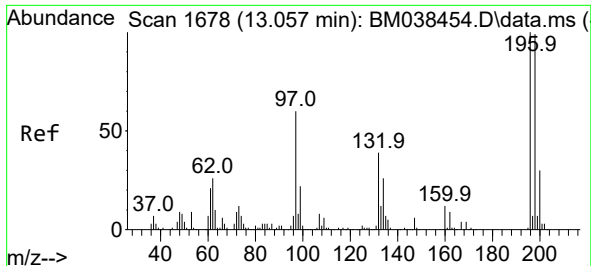
Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.4

141 38.4 28.1 42.1

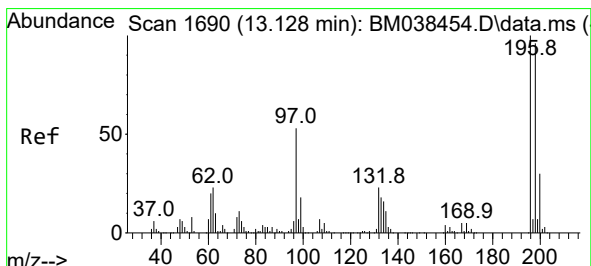
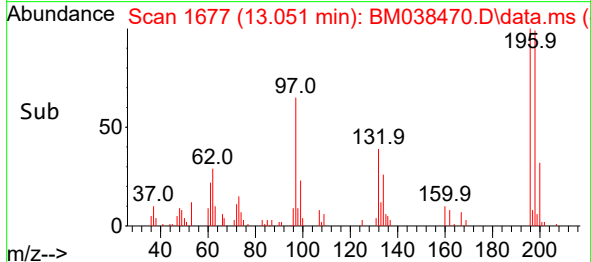
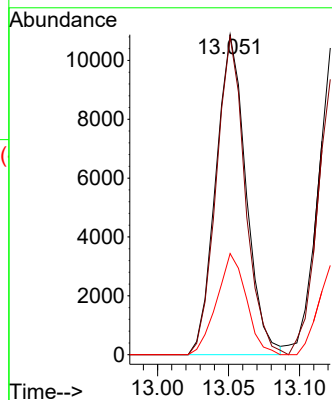
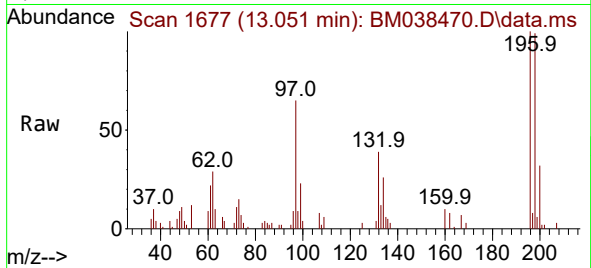




#43
2,4,6-Trichlorophenol
Concen: 4.277 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

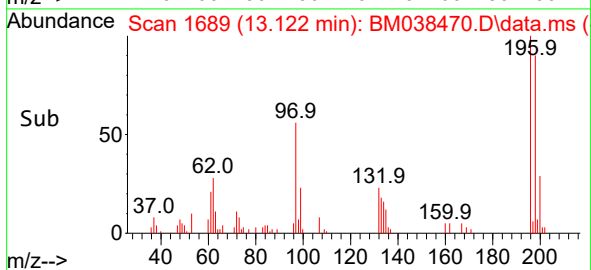
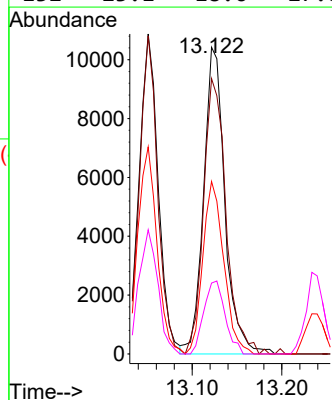
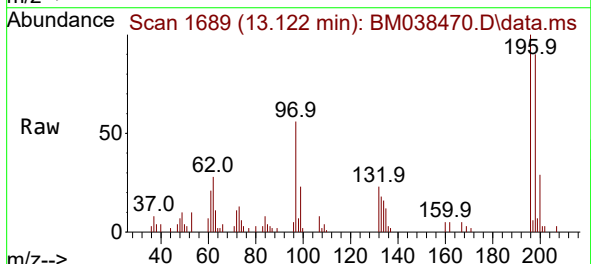
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

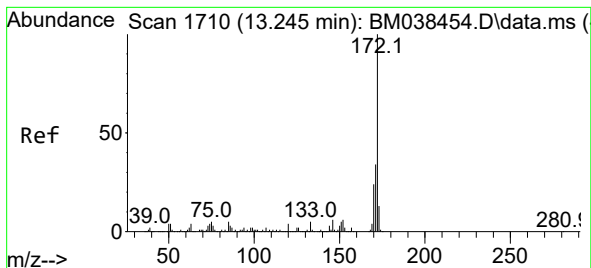
Tgt Ion:196 Resp: 16052
Ion Ratio Lower Upper
196 100
198 99.4 78.8 118.2
200 31.6 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 3.882 ng
RT: 13.122 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:196 Resp: 17177
Ion Ratio Lower Upper
196 100
198 89.8 77.4 116.2
97 56.2 42.4 63.6
132 23.1 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 59.667 ng

RT: 13.239 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

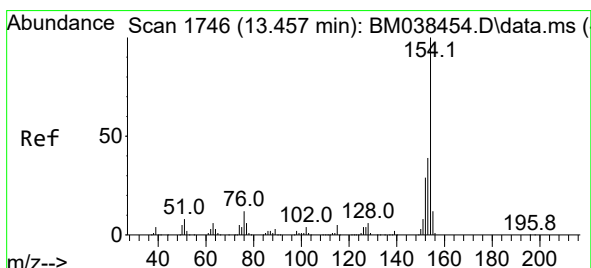
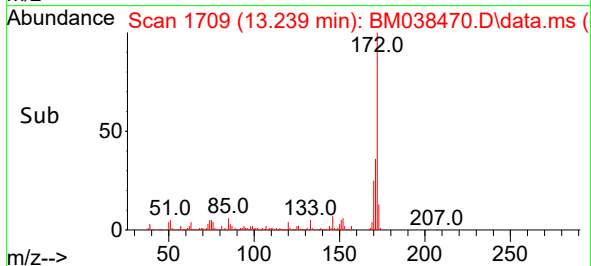
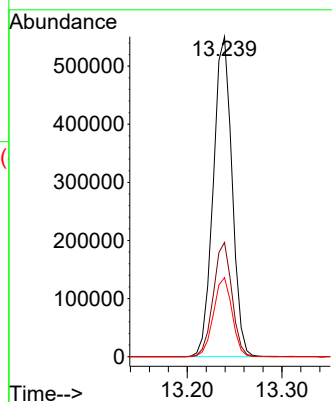
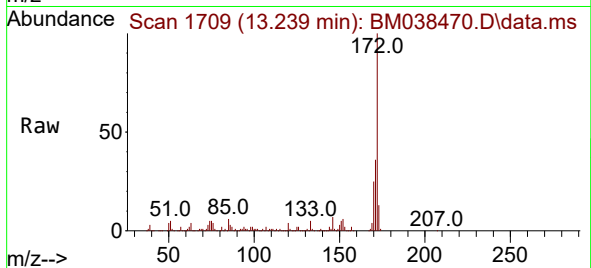
Tgt Ion:172 Resp: 759020

Ion Ratio Lower Upper

172 100

171 35.7 27.5 41.3

170 24.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 3.561 ng

RT: 13.445 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

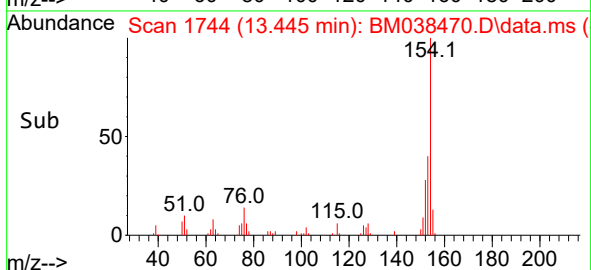
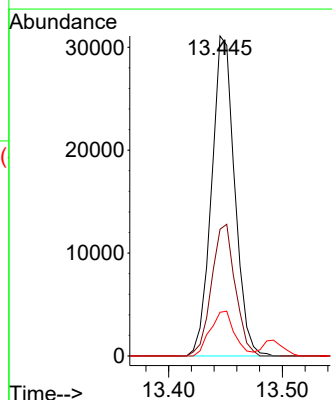
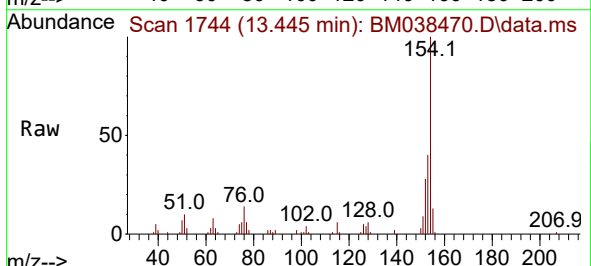
Tgt Ion:154 Resp: 43831

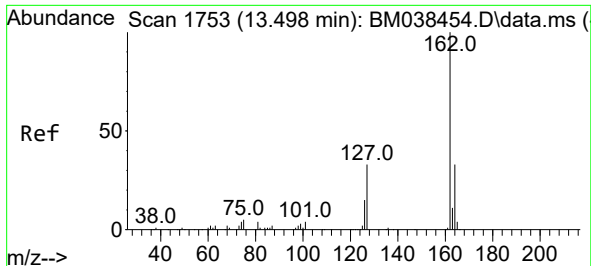
Ion Ratio Lower Upper

154 100

153 39.6 19.3 59.3

76 13.7 0.0 32.2

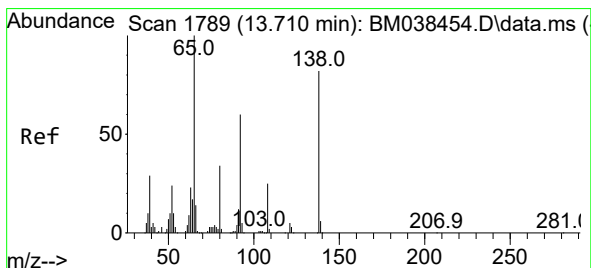
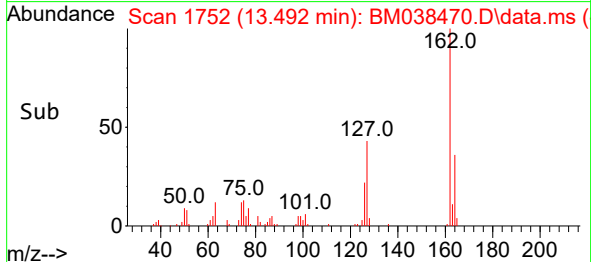
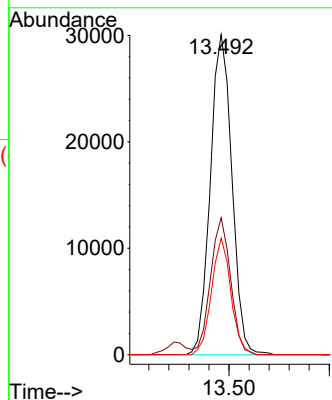
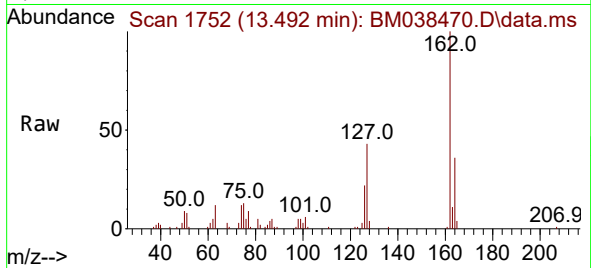




#47
2-Chloronaphthalene
Concen: 4.641 ng
RT: 13.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

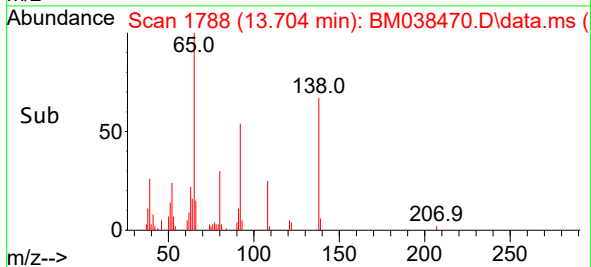
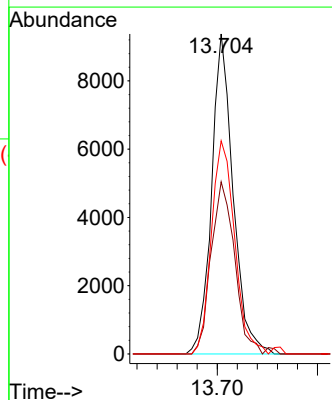
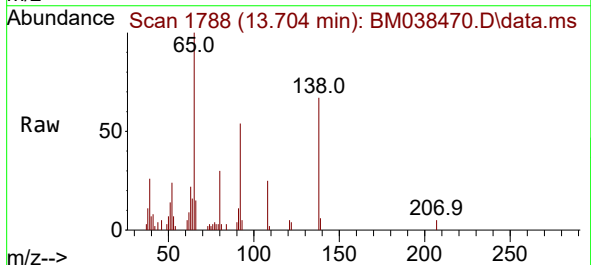
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

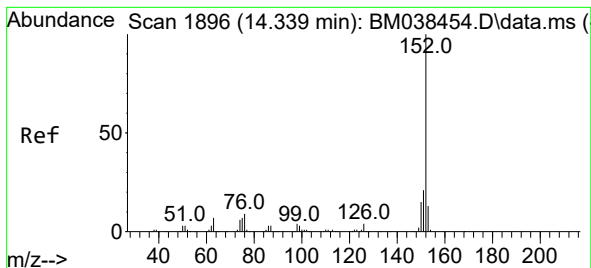
Tgt Ion:	162	Resp:	44964
Ion	Ratio	Lower	Upper
162	100		
127	42.8	29.5	44.3
164	36.4	26.2	39.4



#48
2-Nitroaniline
Concen: 5.718 ng
RT: 13.704 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:	65	Resp:	13963
Ion	Ratio	Lower	Upper
65	100		
92	53.8	47.6	71.4
138	66.6	65.8	98.8





#49

Acenaphthylene

Concen: 4.289 ng

RT: 14.333 min Scan# 1895

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

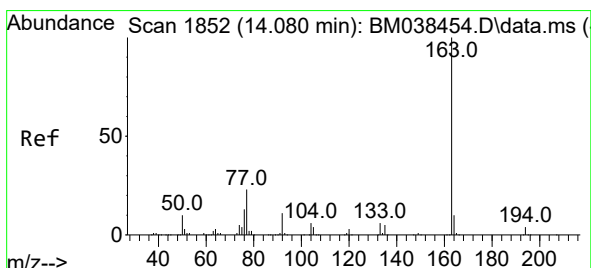
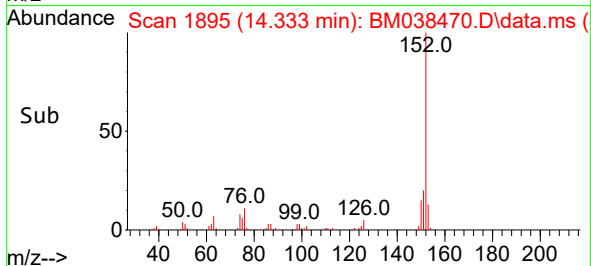
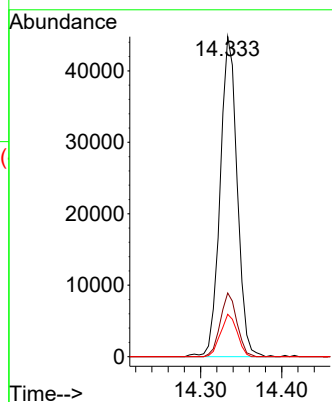
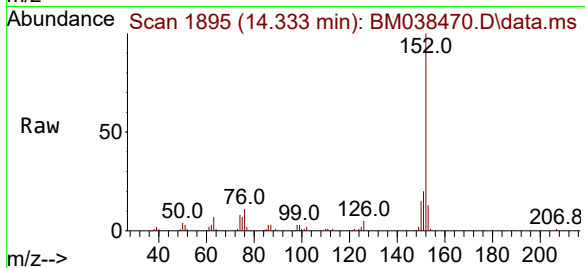
Tgt Ion:152 Resp: 65504

Ion Ratio Lower Upper

152 100

151 19.9 16.4 24.6

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 4.357 ng

RT: 14.069 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

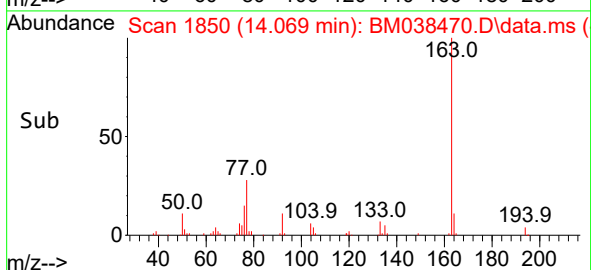
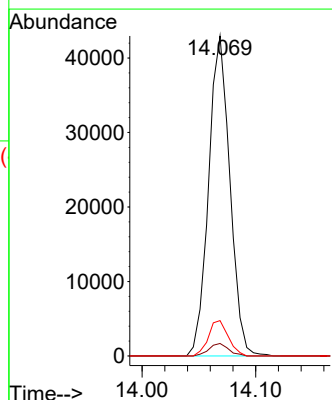
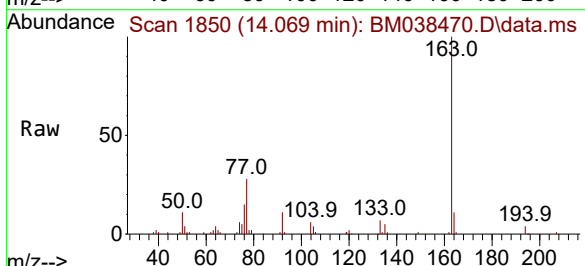
Tgt Ion:163 Resp: 56018

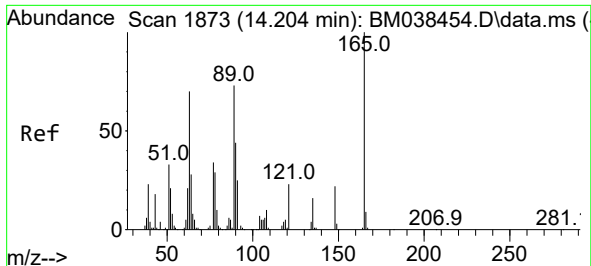
Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

164 11.0 7.8 11.8

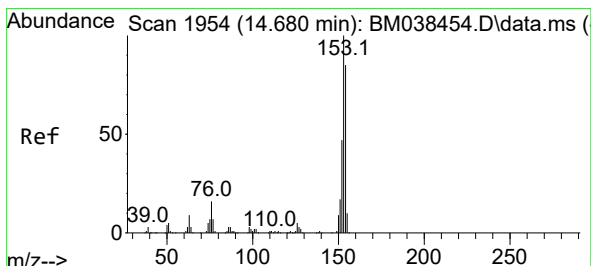
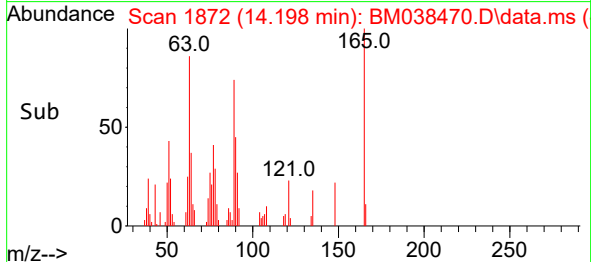
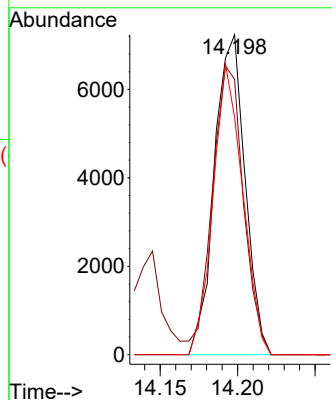
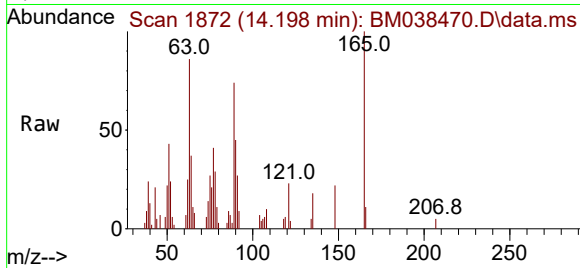




#51
2,6-Dinitrotoluene
Concen: 3.798 ng
RT: 14.198 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

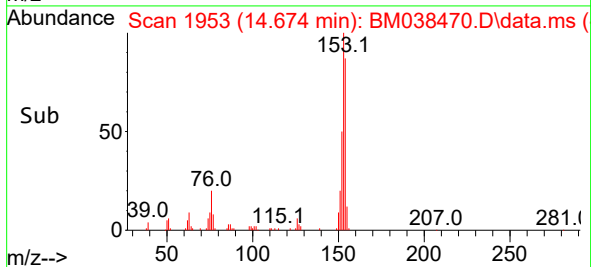
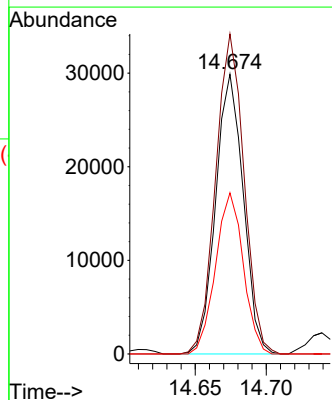
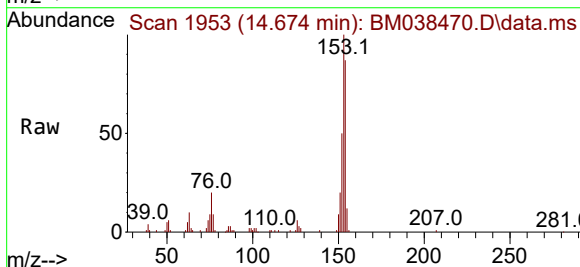
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

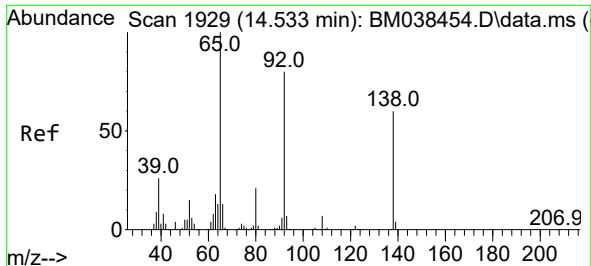
Tgt Ion:165 Resp: 9935
Ion Ratio Lower Upper
165 100
63 86.0 60.9 91.3
89 74.2 58.6 87.8



#52
Acenaphthene
Concen: 4.356 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:154 Resp: 40428
Ion Ratio Lower Upper
154 100
153 114.4 93.8 140.6
152 57.6 44.2 66.4

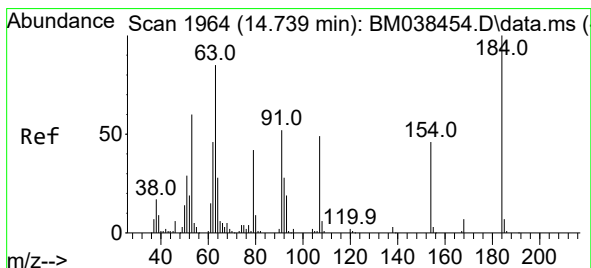
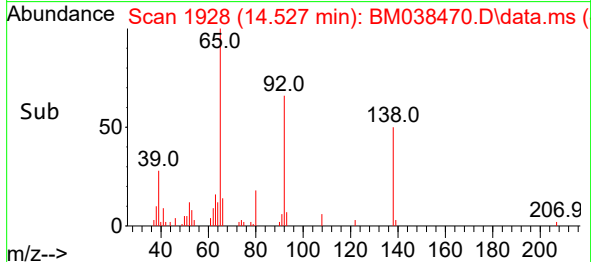
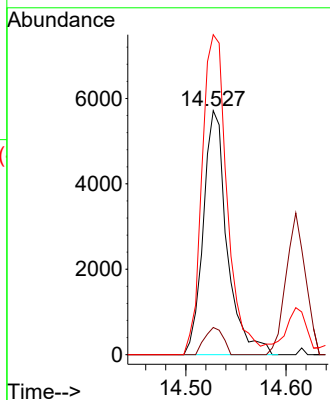
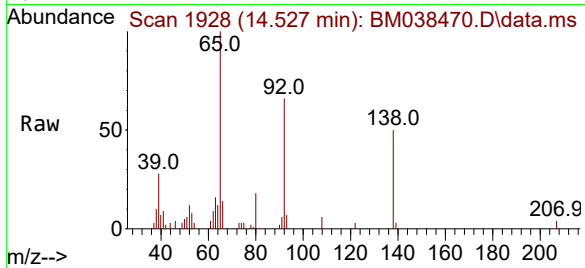




#53
3-Nitroaniline
Concen: 5.747 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

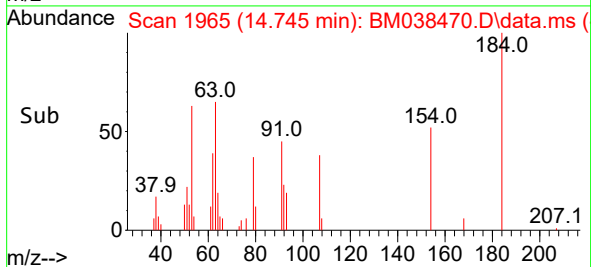
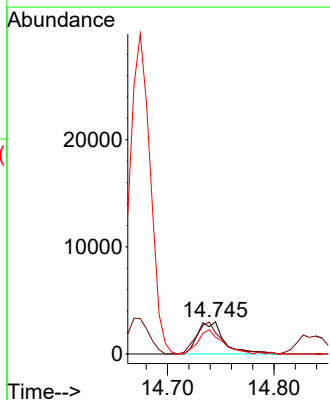
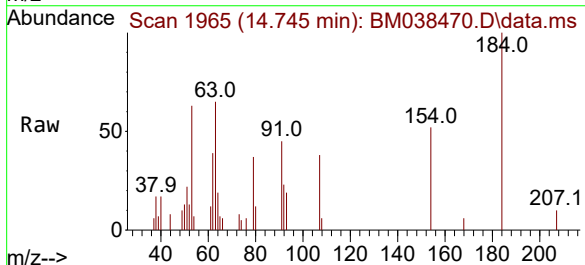
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

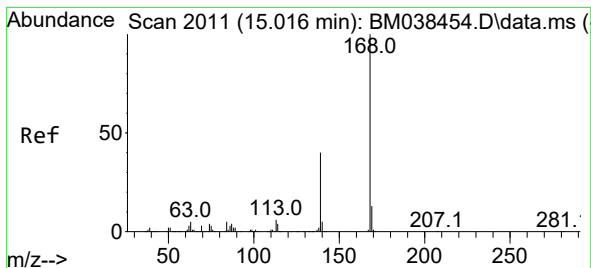
Tgt Ion:138 Resp: 9437
Ion Ratio Lower Upper
138 100
108 11.1 8.9 13.3
92 131.1 106.4 159.6



#54
2,4-Dinitrophenol
Concen: 7.719 ng
RT: 14.745 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:184 Resp: 5157
Ion Ratio Lower Upper
184 100
63 65.3 70.0 105.0#
154 51.6 55.6 83.4#





#55

Dibenzenofuran

Concen: 4.360 ng

RT: 15.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

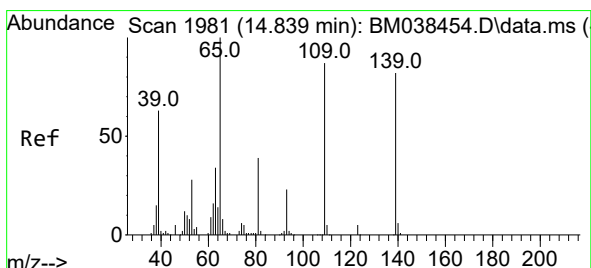
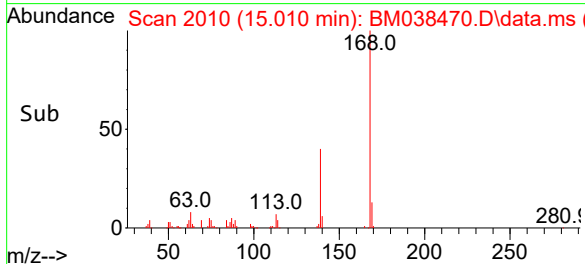
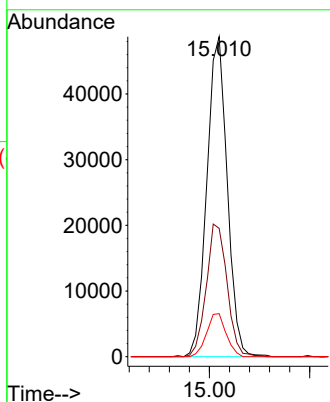
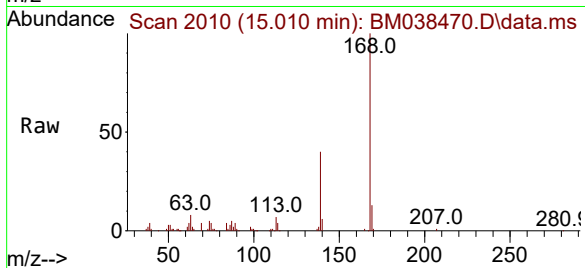
Tgt Ion:168 Resp: 68900

Ion Ratio Lower Upper

168 100

139 40.1 31.9 47.9

169 13.4 10.5 15.7



#56

4-Nitrophenol

Concen: 6.786 ng

RT: 14.833 min Scan# 1980

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

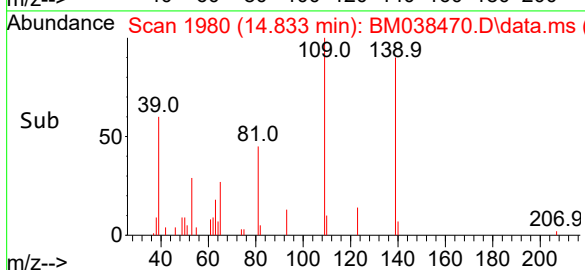
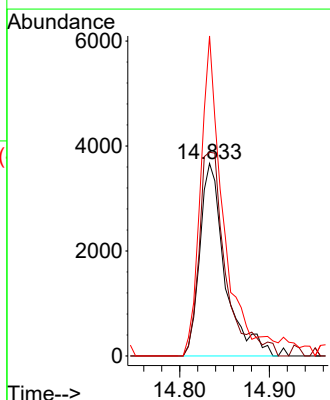
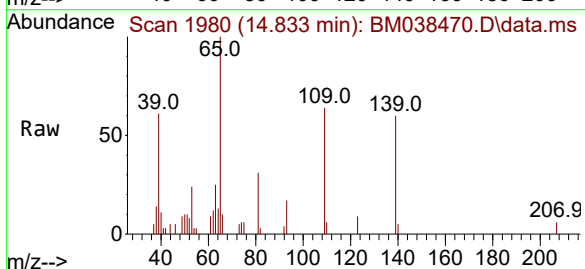
Tgt Ion:139 Resp: 7127

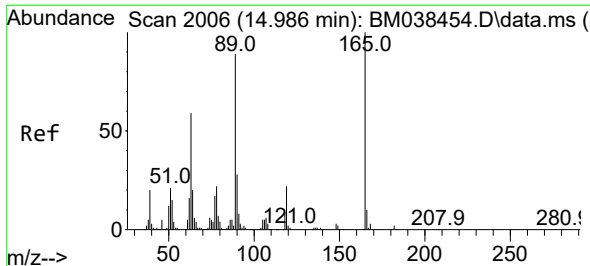
Ion Ratio Lower Upper

139 100

109 105.8 86.0 126.0

65 166.2 102.7 142.7#

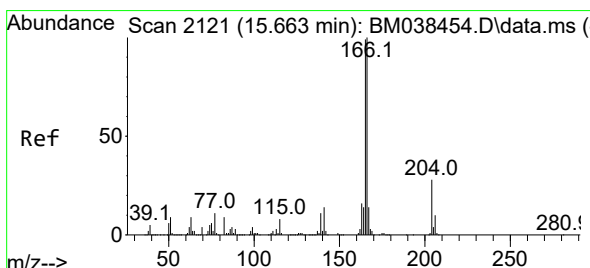
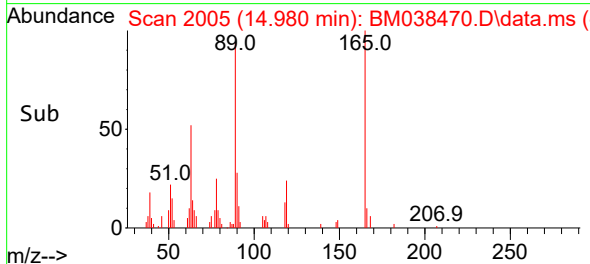
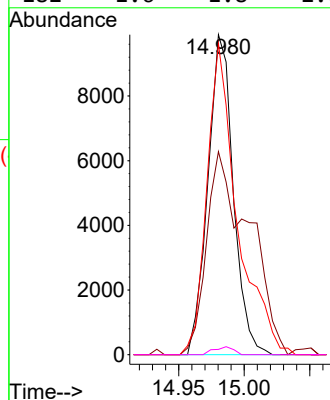
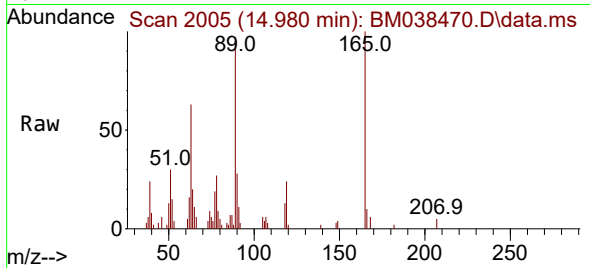




#57
2,4-Dinitrotoluene
Concen: 3.674 ng
RT: 14.980 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

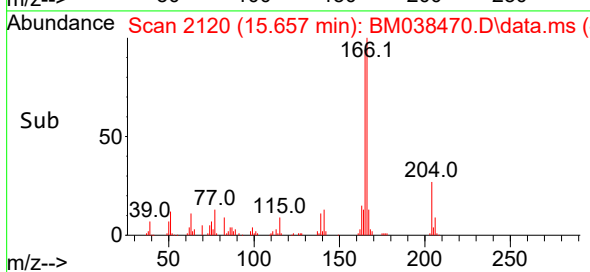
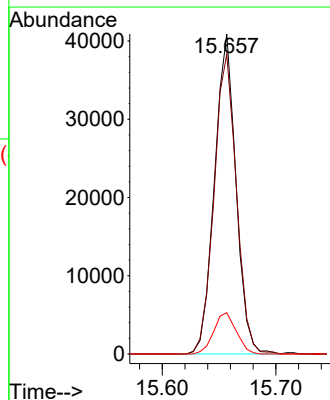
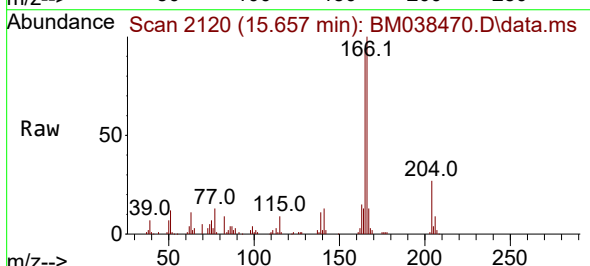
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

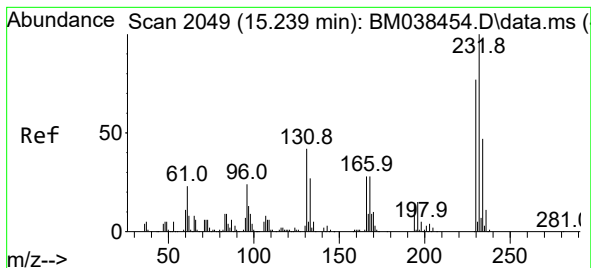
Tgt Ion:165 Resp: 13357
Ion Ratio Lower Upper
165 100
63 63.4 47.7 71.5
89 97.2 71.5 107.3
182 1.6 1.8 2.6#



#58
Fluorene
Concen: 4.061 ng
RT: 15.657 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:166 Resp: 53614
Ion Ratio Lower Upper
166 100
165 93.7 79.2 118.8
167 12.9 11.0 16.4

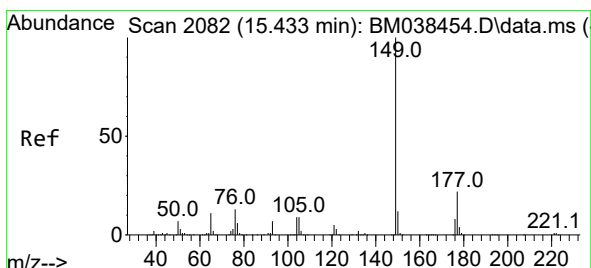
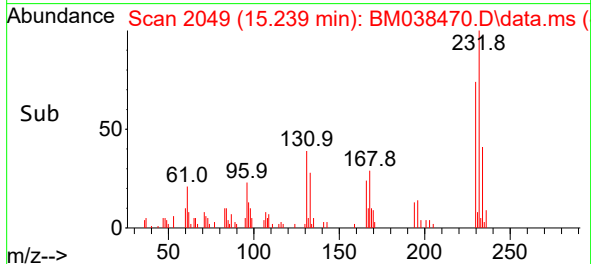
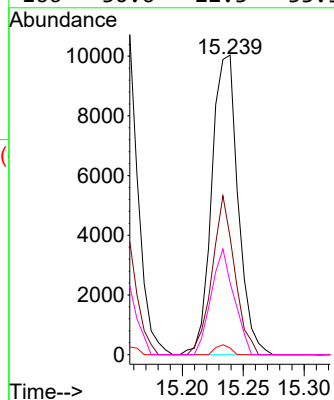
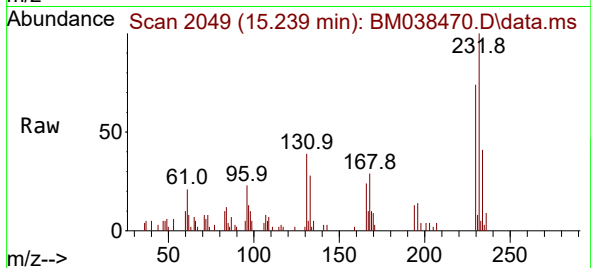




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.843 ng
RT: 15.239 min Scan# 2049
Delta R.T. -0.000 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

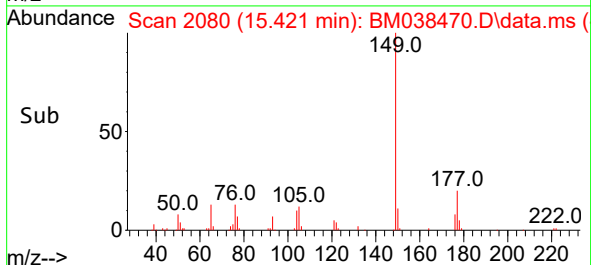
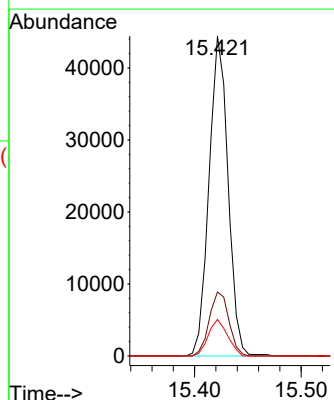
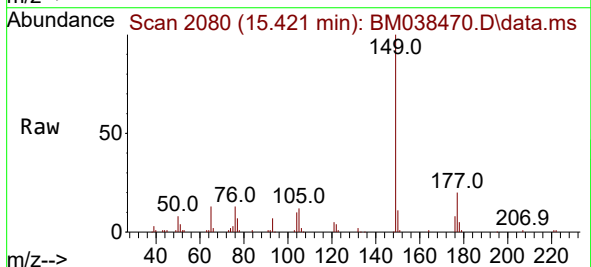
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

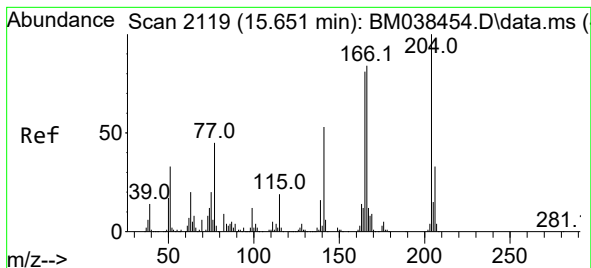
Tgt Ion:232 Resp: 15077
Ion Ratio Lower Upper
232 100
131 45.6 33.8 50.6
130 1.9 1.9 2.9#
166 30.6 22.3 33.5



#60
Diethylphthalate
Concen: 4.173 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:149 Resp: 55035
Ion Ratio Lower Upper
149 100
177 20.0 17.8 26.6
150 11.4 9.5 14.3

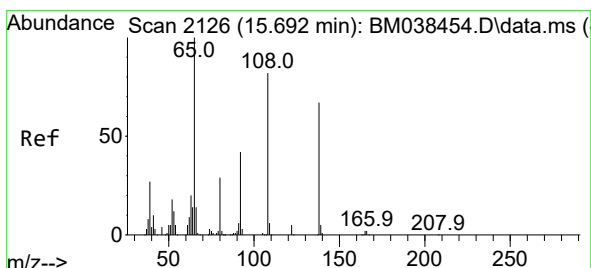
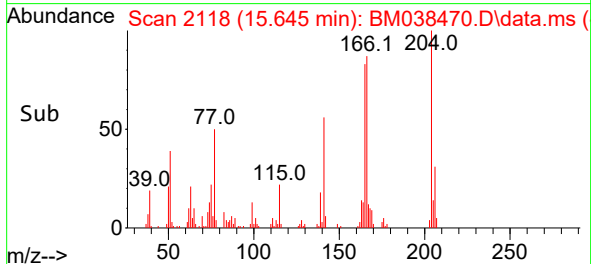
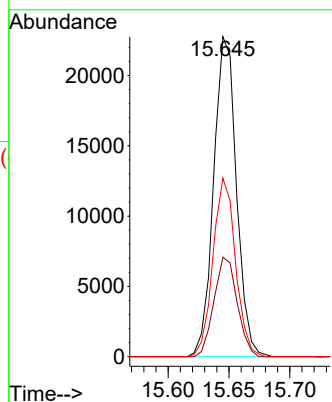
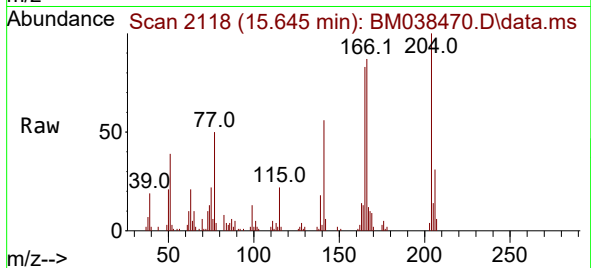




#61
4-Chlorophenyl-phenylether
Concen: 4.088 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

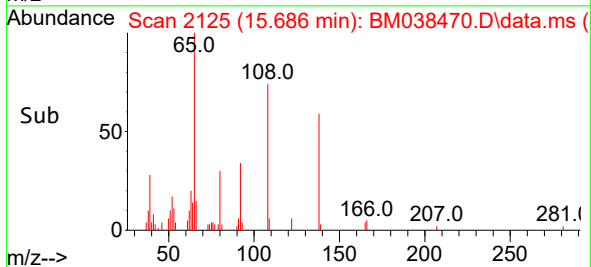
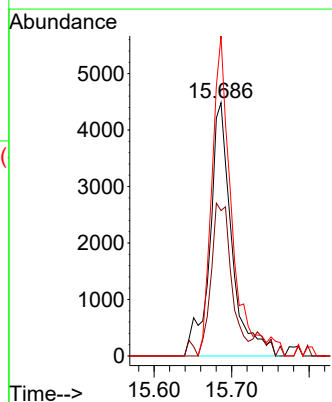
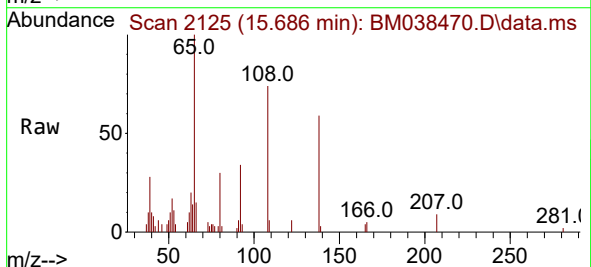
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

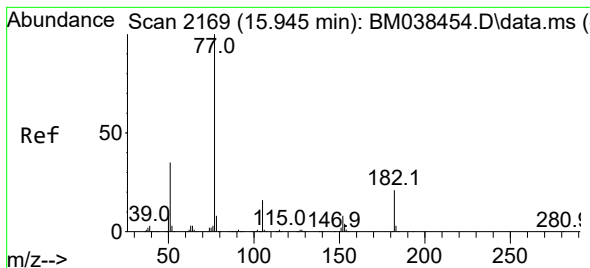
Tgt Ion:204 Resp: 29628
Ion Ratio Lower Upper
204 100
206 31.1 26.2 39.4
141 55.7 42.5 63.7



#62
4-Nitroaniline
Concen: 5.625 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:138 Resp: 8783
Ion Ratio Lower Upper
138 100
92 57.4 42.1 82.1
108 126.3 102.5 142.5





#63

Azobenzene

Concen: 4.225 ng

RT: 15.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 61314

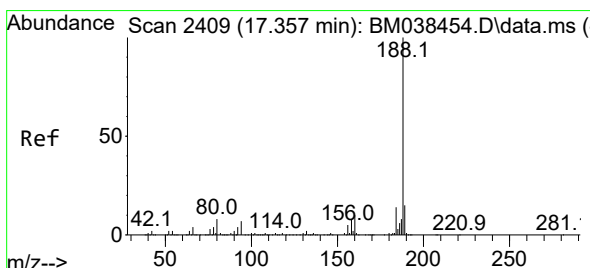
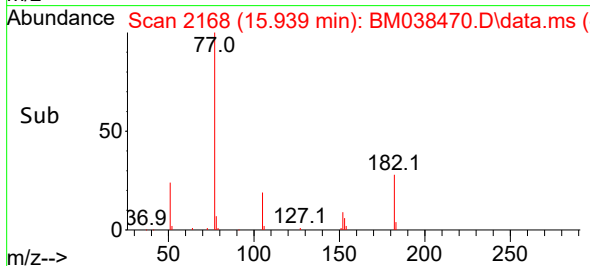
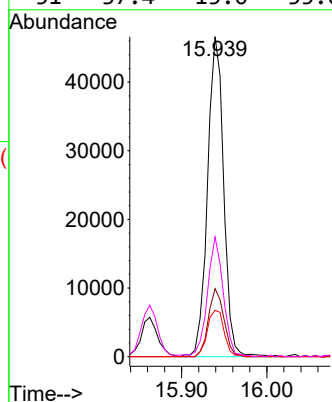
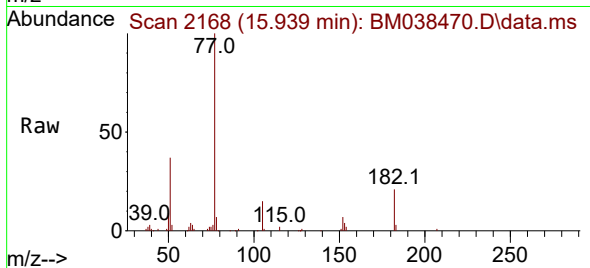
Ion Ratio Lower Upper

77 100

182 21.2 1.1 41.1

105 14.5 0.0 36.4

51 37.4 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: BM038470.D

Acq: 17 Jan 2023 18:44

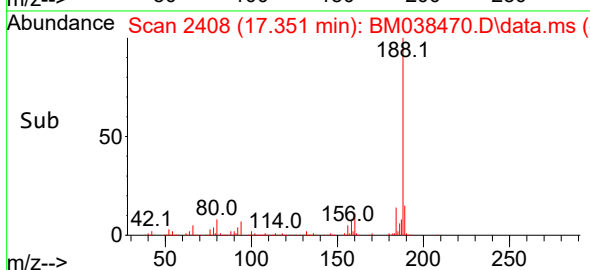
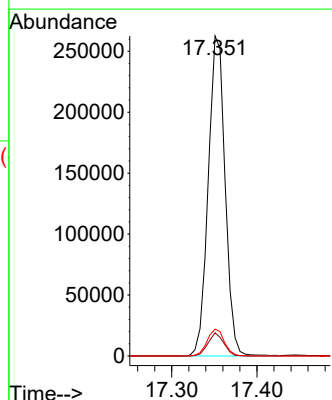
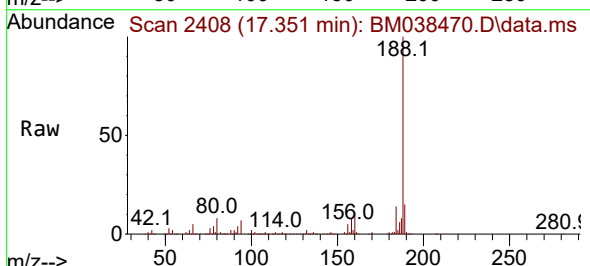
Tgt Ion: 188 Resp: 361812

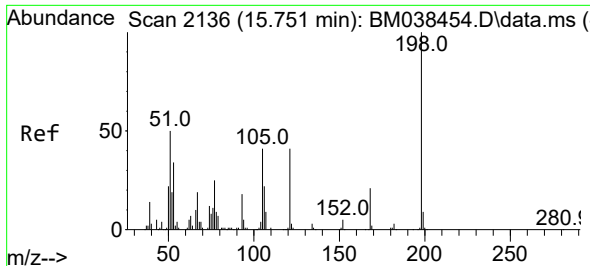
Ion Ratio Lower Upper

188 100

94 7.3 5.4 8.0

80 8.4 6.5 9.7

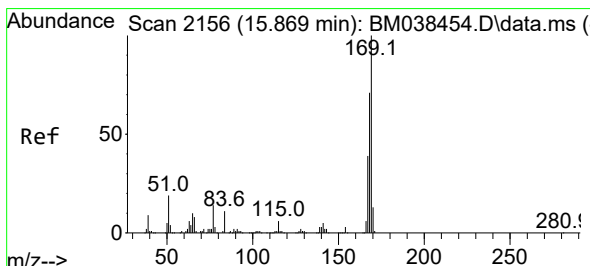
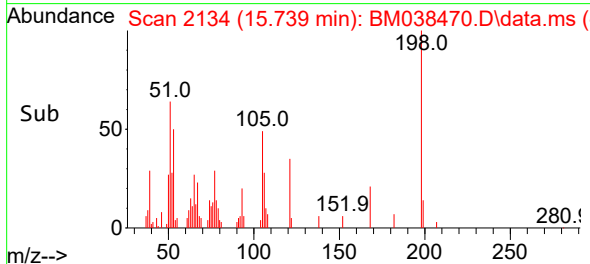
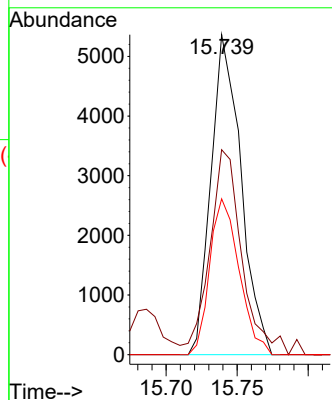
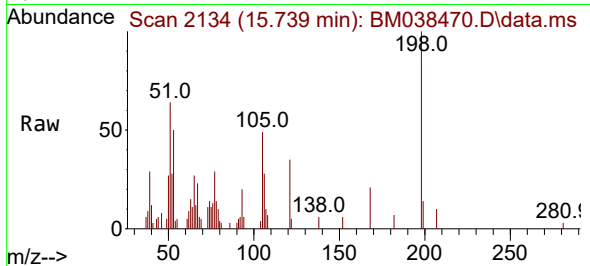




#65
4,6-Dinitro-2-methylphenol
Concen: 3.208 ng
RT: 15.739 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

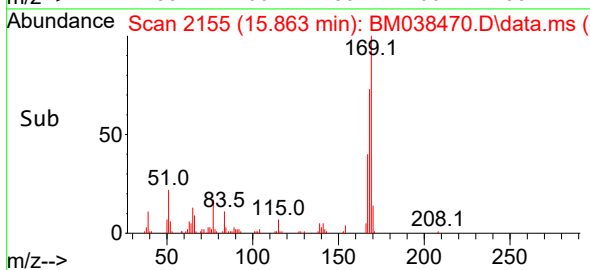
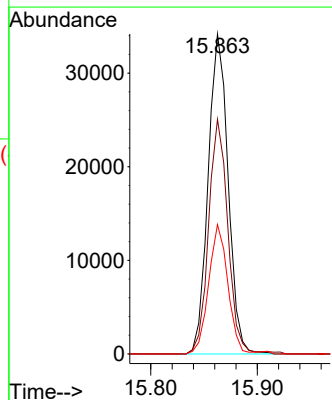
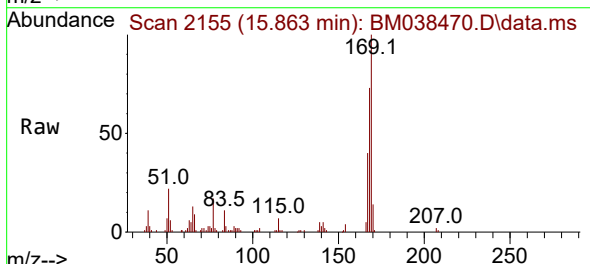
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

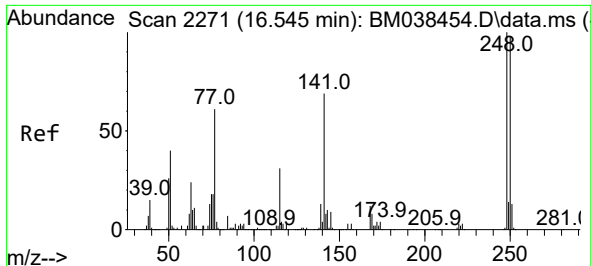
Tgt Ion:198 Resp: 7877
Ion Ratio Lower Upper
198 100
51 64.1 31.6 71.6
105 48.7 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 4.191 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:169 Resp: 44489
Ion Ratio Lower Upper
169 100
168 73.4 56.6 85.0
167 40.5 31.1 46.7

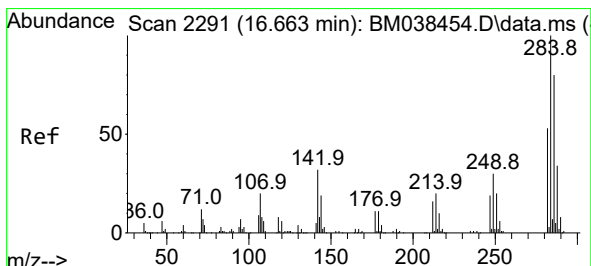
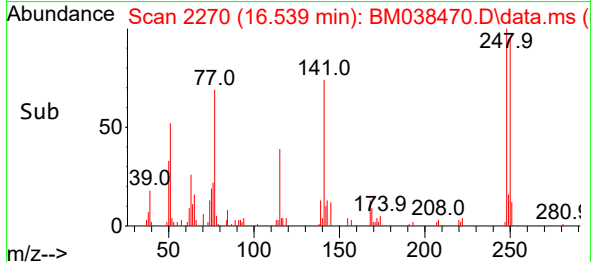
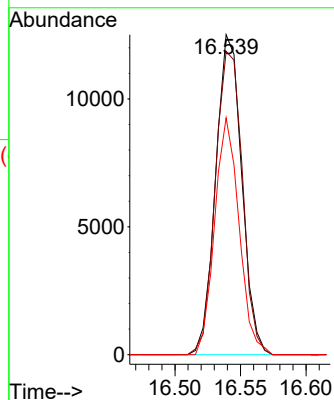
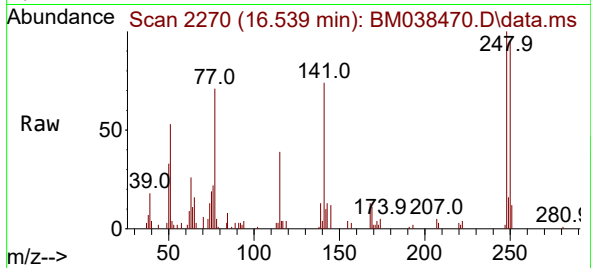




#67
4-Bromophenyl-phenylether
Concen: 4.122 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

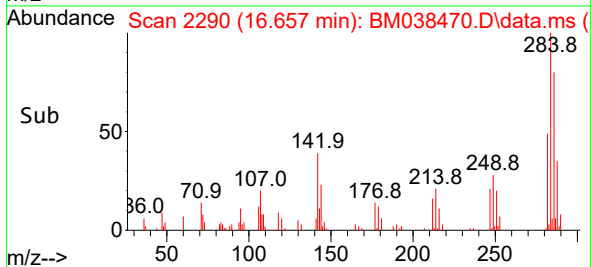
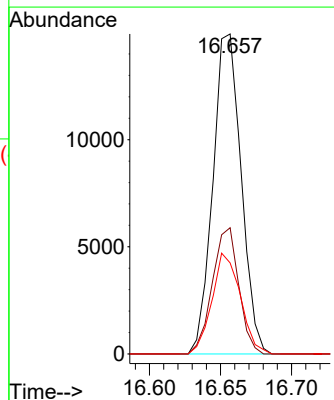
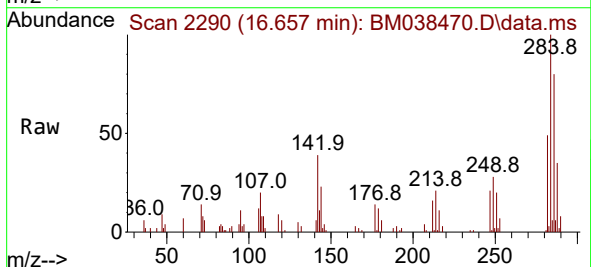
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

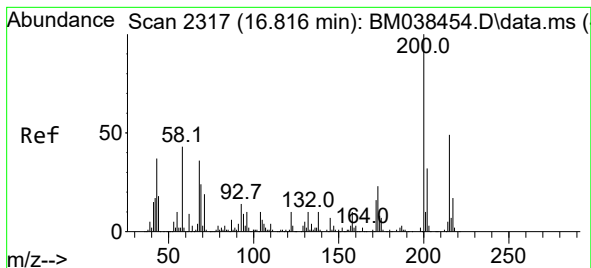
Tgt Ion:248 Resp: 17253
Ion Ratio Lower Upper
248 100
250 94.8 78.3 117.5
141 74.0 55.1 82.7



#68
Hexachlorobenzene
Concen: 4.409 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038470.D
Acq: 17 Jan 2023 18:44

Tgt Ion:284 Resp: 20664
Ion Ratio Lower Upper
284 100
142 39.5 26.0 39.0#
249 30.9 23.8 35.8





#69

Atrazine

Concen: 4.967 ng

RT: 16.810 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038470.D

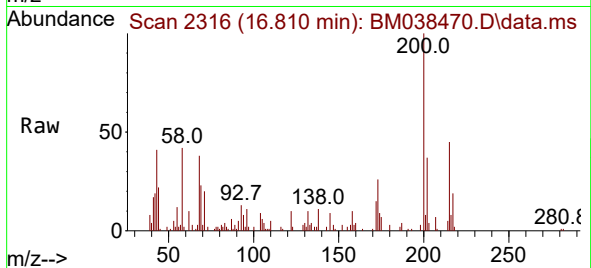
Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



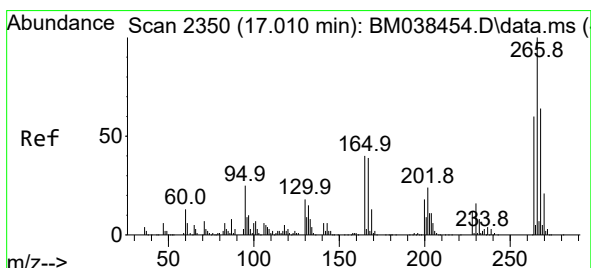
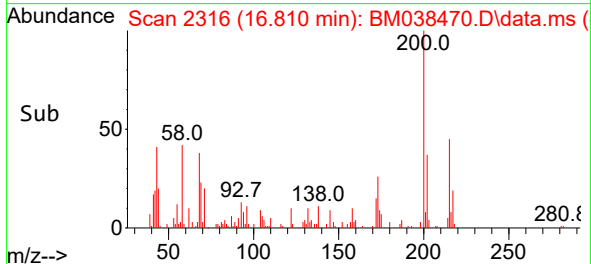
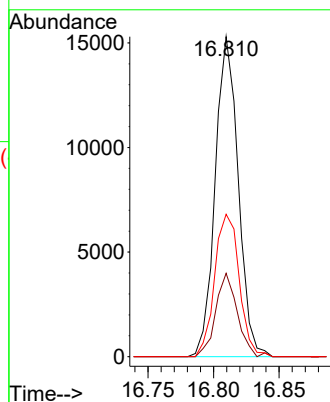
Tgt Ion:200 Resp: 18646

Ion Ratio Lower Upper

200 100

173 26.0 3.4 43.4

215 44.5 29.3 69.3



#70

Pentachlorophenol

Concen: 3.133 ng

RT: 17.004 min Scan# 2349

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

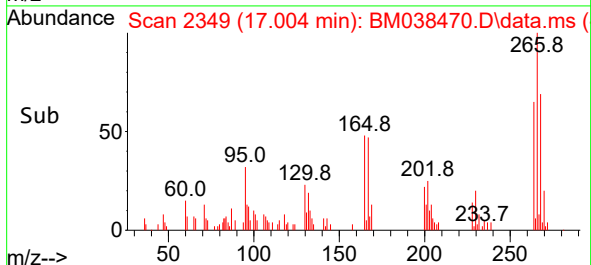
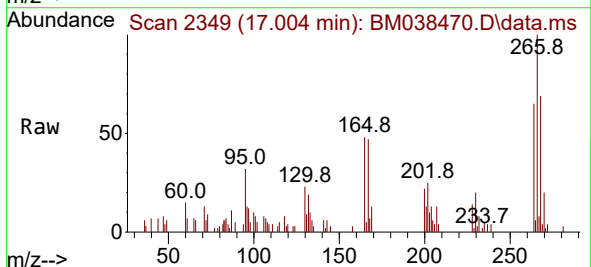
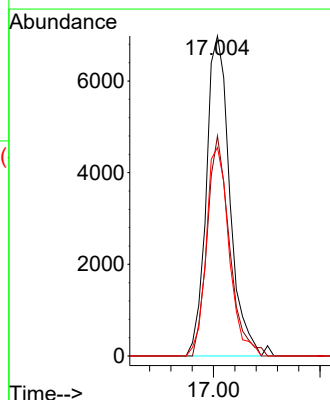
Tgt Ion:266 Resp: 10718

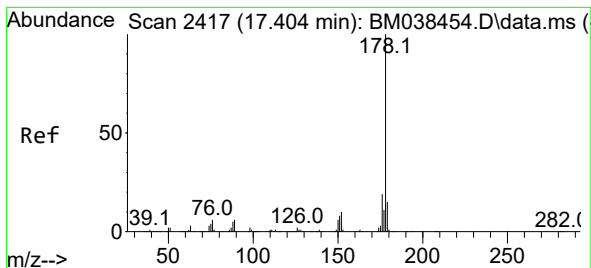
Ion Ratio Lower Upper

266 100

268 68.8 51.4 77.0

264 65.1 48.2 72.2





#71

Phenanthrene

Concen: 4.308 ng

RT: 17.392 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

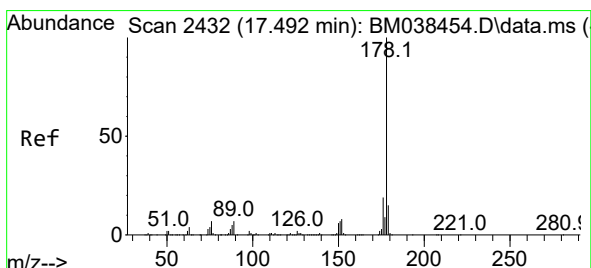
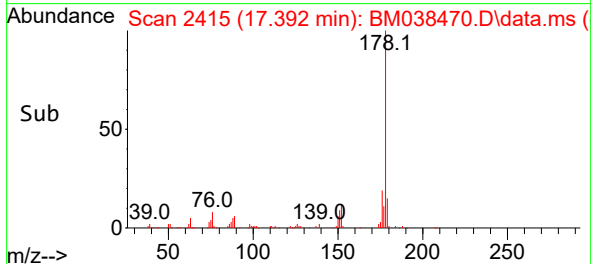
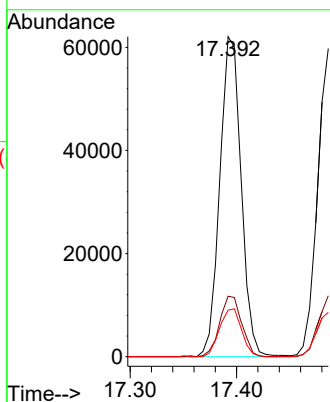
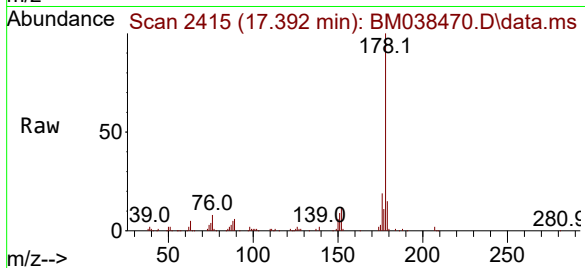
Tgt Ion:178 Resp: 86227

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 14.5 12.1 18.1



#72

Anthracene

Concen: 4.007 ng

RT: 17.486 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

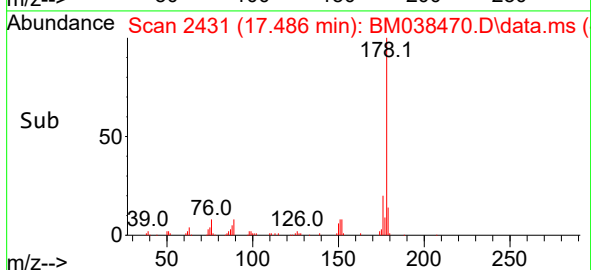
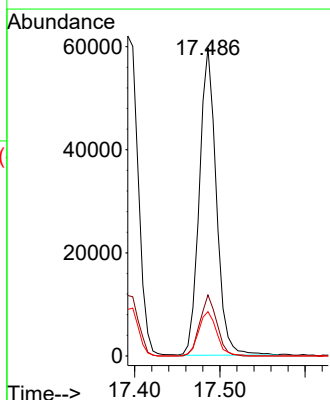
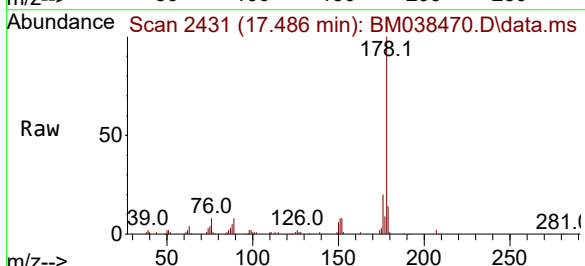
Tgt Ion:178 Resp: 82436

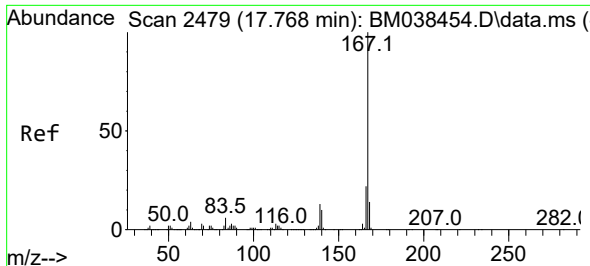
Ion Ratio Lower Upper

178 100

176 19.8 15.0 22.6

179 14.4 12.2 18.2

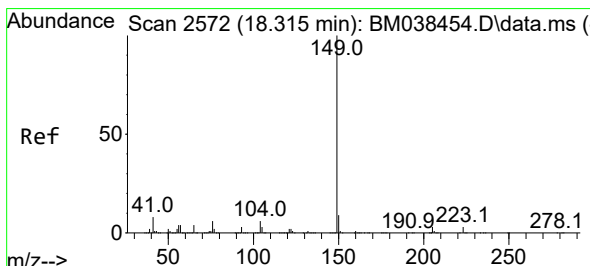
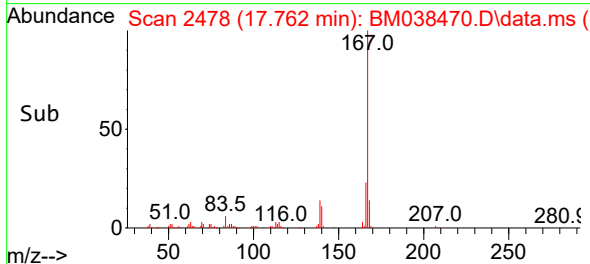
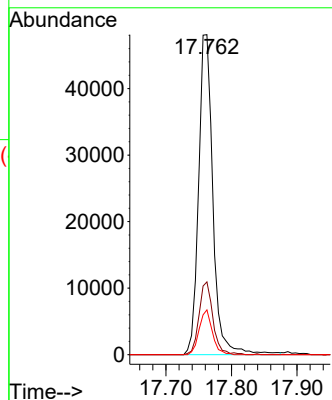
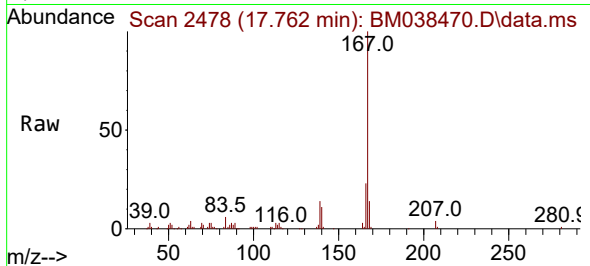




#73
 Carbazole
 Concen: 4.081 ng
 RT: 17.762 min Scan# 2479
 Delta R.T. -0.006 min
 Lab File: BM038470.D
 Acq: 17 Jan 2023 18:44

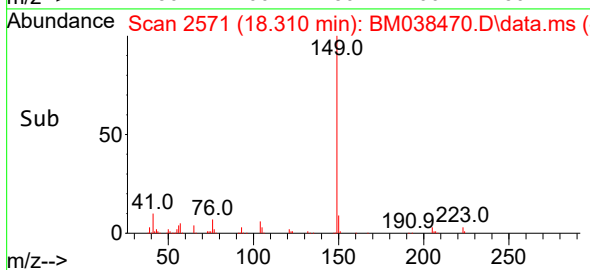
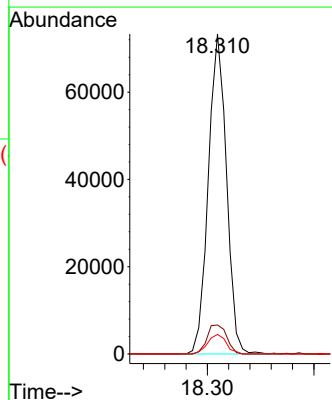
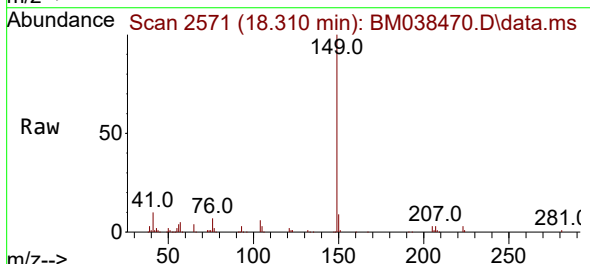
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

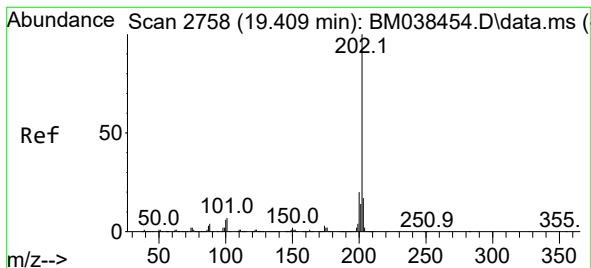
Tgt Ion:167 Resp: 73410
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.4 26.0
 139 14.0 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 4.061 ng
 RT: 18.310 min Scan# 2571
 Delta R.T. -0.006 min
 Lab File: BM038470.D
 Acq: 17 Jan 2023 18:44

Tgt Ion:149 Resp: 86764
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 6.1 4.7 7.1





#75

Fluoranthene

Concen: 4.003 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

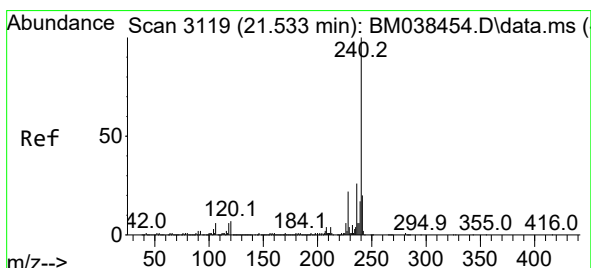
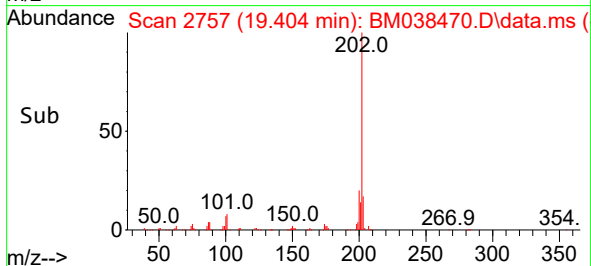
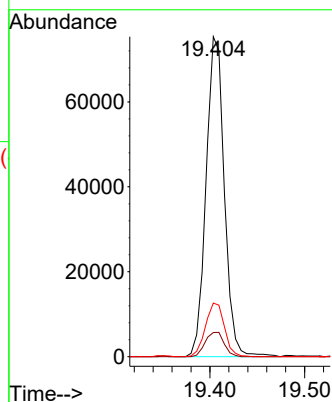
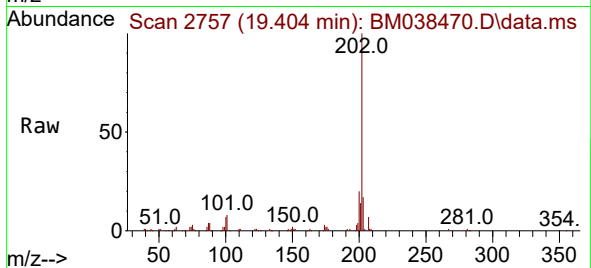
Tgt Ion:202 Resp: 100735

Ion Ratio Lower Upper

202 100

101 7.6 0.0 27.4

203 16.7 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: BM038470.D

Acq: 17 Jan 2023 18:44

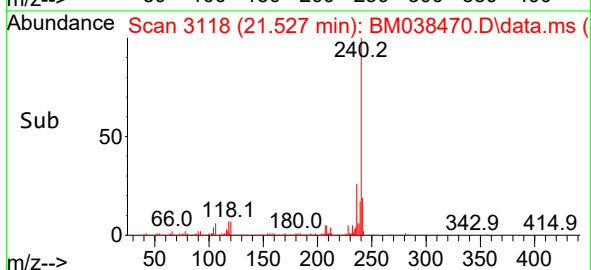
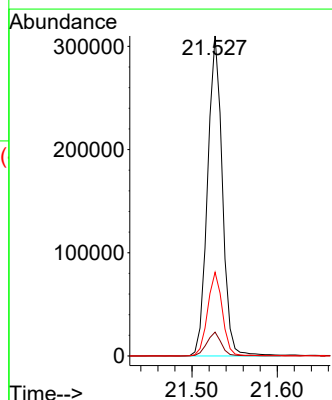
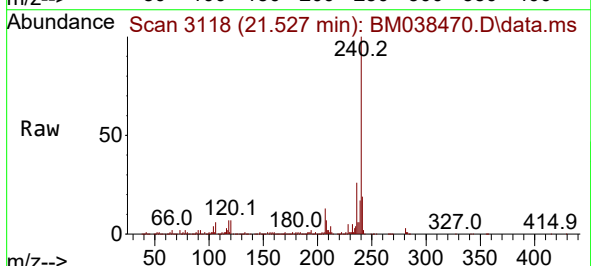
Tgt Ion:240 Resp: 373309

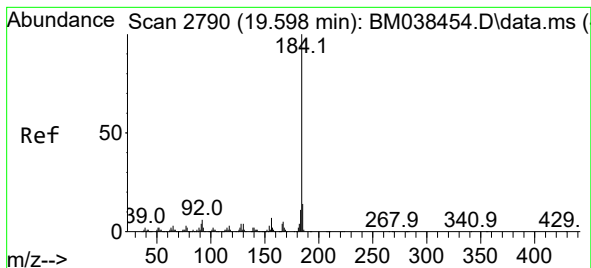
Ion Ratio Lower Upper

240 100

120 7.4 5.6 8.4

236 26.1 21.0 31.4





#77

Benzidine

Concen: 3.516 ng

RT: 19.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

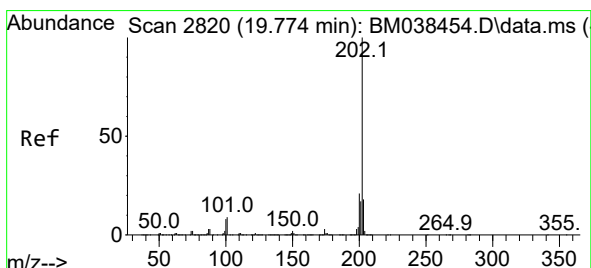
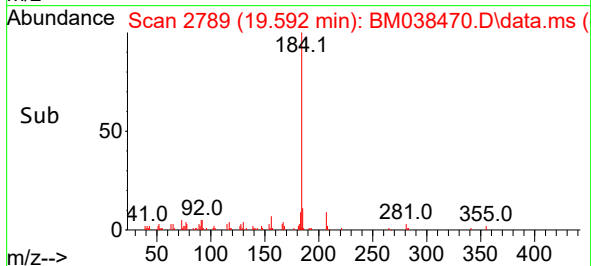
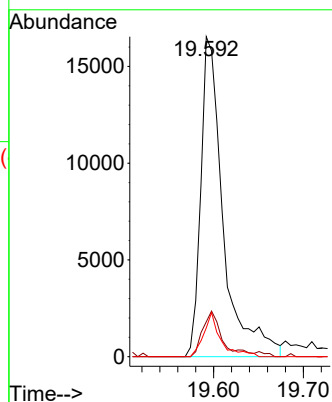
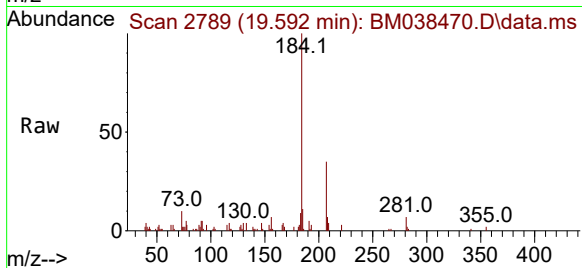
Tgt Ion:184 Resp: 28760

Ion Ratio Lower Upper

184 100

185 10.9 11.1 16.7#

183 9.0 8.6 13.0



#78

Pyrene

Concen: 4.254 ng

RT: 19.768 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

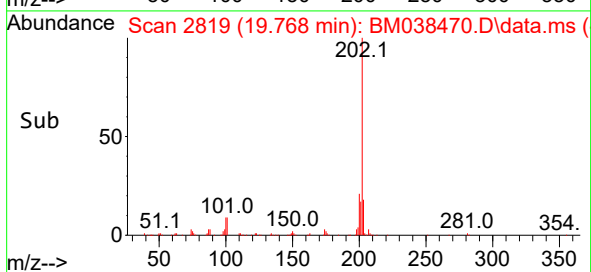
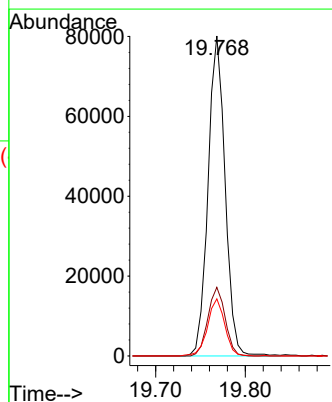
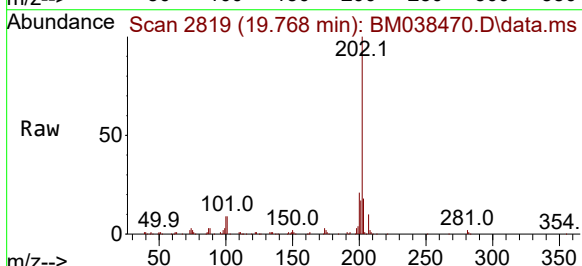
Tgt Ion:202 Resp: 105693

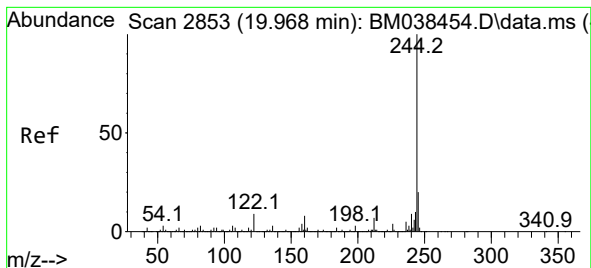
Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 67.676 ng

RT: 19.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

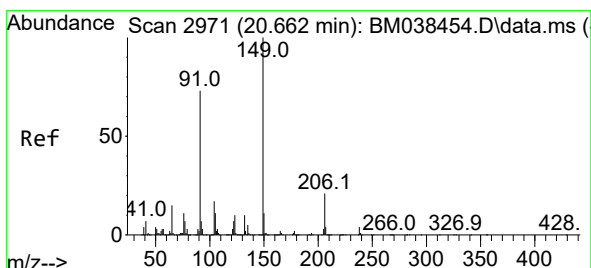
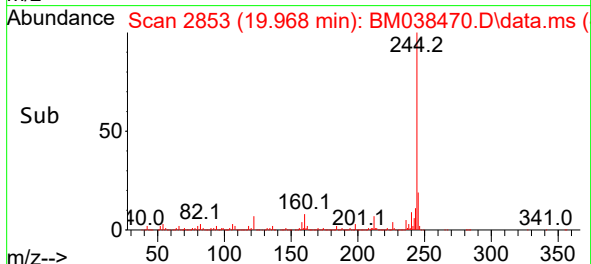
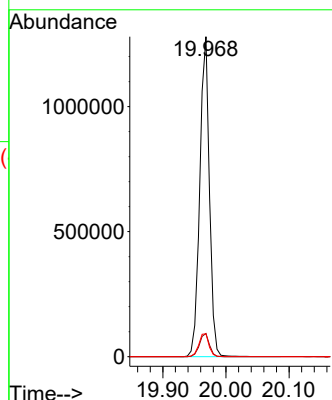
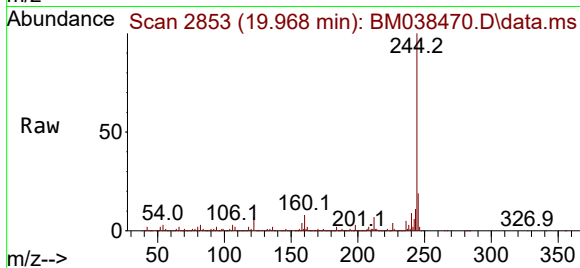
Tgt Ion:244 Resp: 1349546

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 7.1 7.1 10.7



#80

Butylbenzylphthalate

Concen: 4.202 ng

RT: 20.656 min Scan# 2970

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

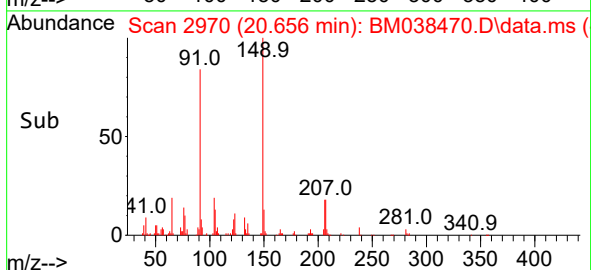
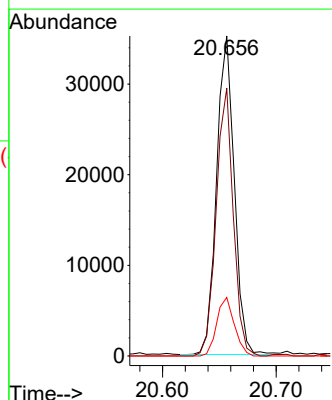
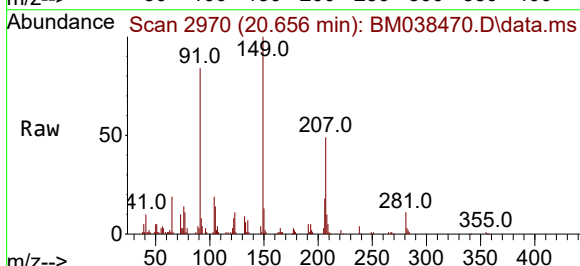
Tgt Ion:149 Resp: 38155

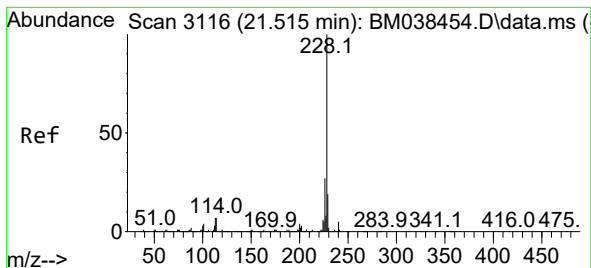
Ion Ratio Lower Upper

149 100

91 83.7 58.3 87.5

206 18.3 16.7 25.1





#81

Benzo(a)anthracene

Concen: 4.445 ng

RT: 21.509 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

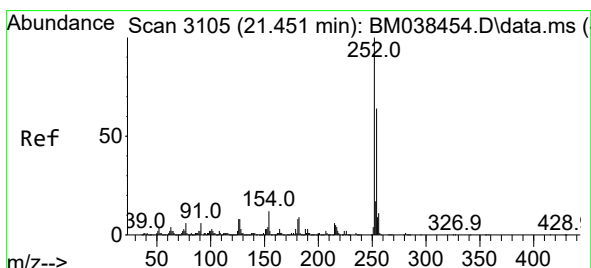
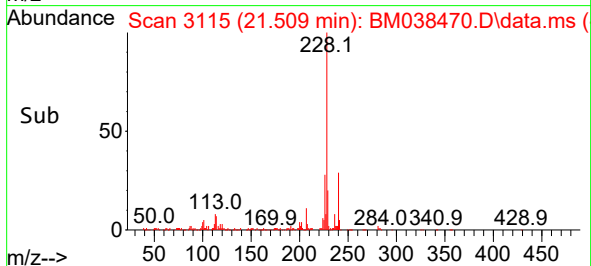
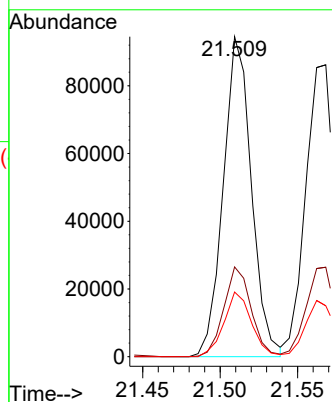
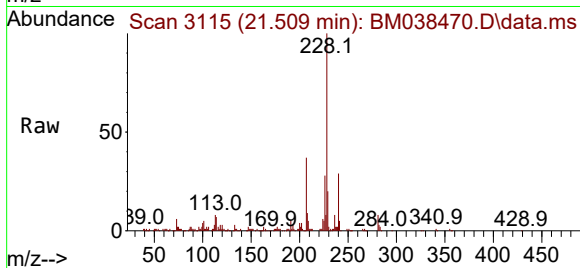
Tgt Ion:228 Resp: 119356

Ion Ratio Lower Upper

228 100

226 28.0 22.0 33.0

229 20.2 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 3.741 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

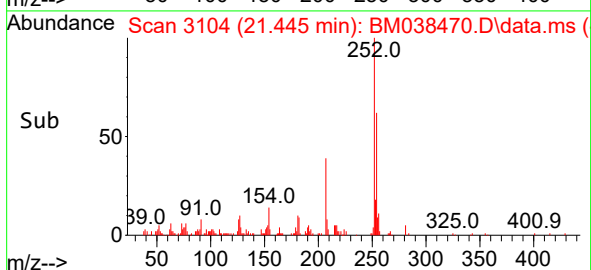
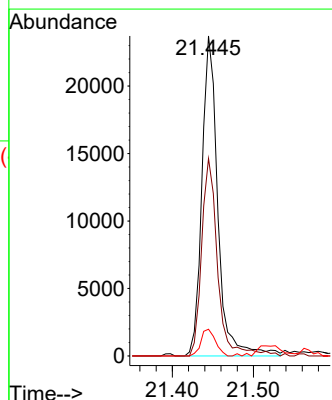
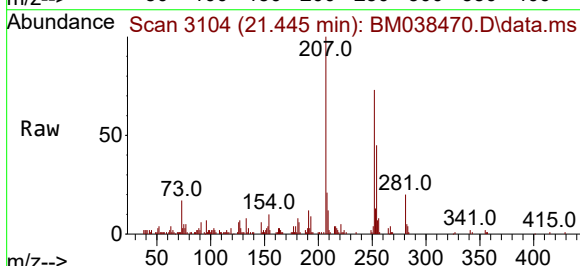
Tgt Ion:252 Resp: 32342

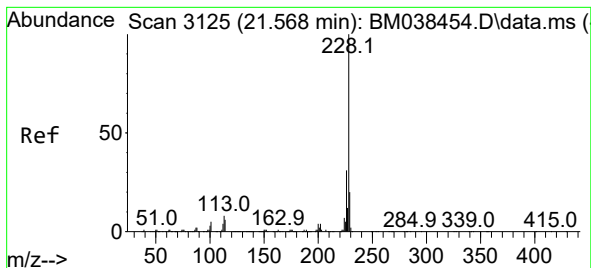
Ion Ratio Lower Upper

252 100

254 61.7 51.2 76.8

126 8.4 6.3 9.5





#83

Chrysene

Concen: 4.363 ng

RT: 21.568 min Scan# 3125

Delta R.T. -0.000 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

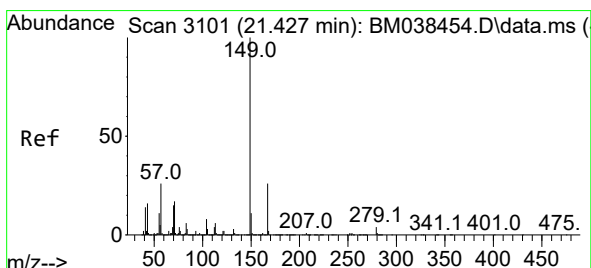
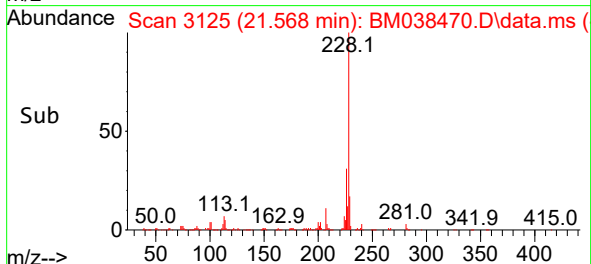
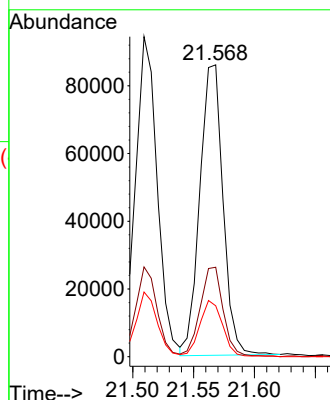
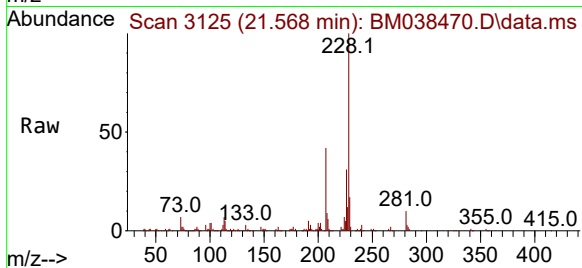
Tgt Ion:228 Resp: 113840

Ion Ratio Lower Upper

228 100

226 30.6 24.6 36.8

229 17.5 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.263 ng

RT: 21.421 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

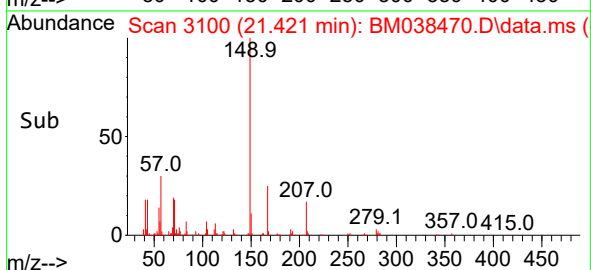
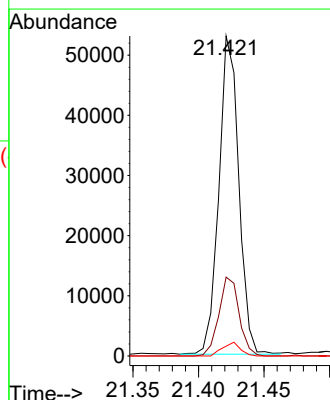
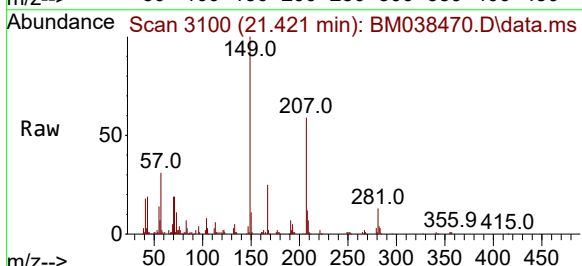
Tgt Ion:149 Resp: 55651

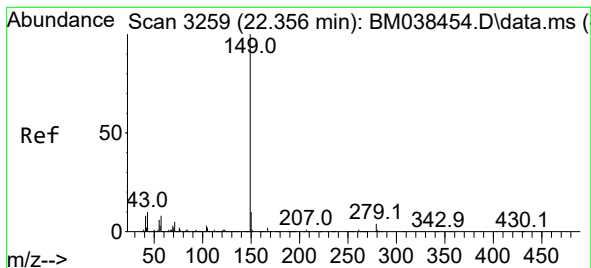
Ion Ratio Lower Upper

149 100

167 24.7 21.0 31.4

279 3.0 3.4 5.0#





#85

Di-n-octyl phthalate

Concen: 4.288 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

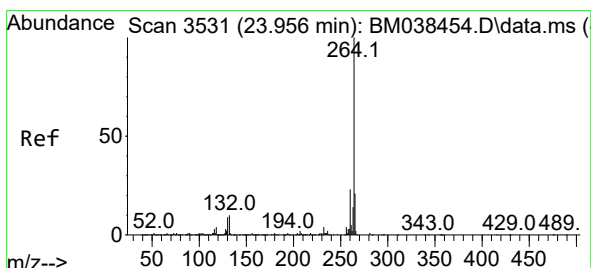
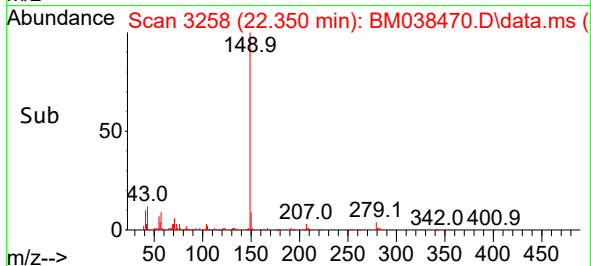
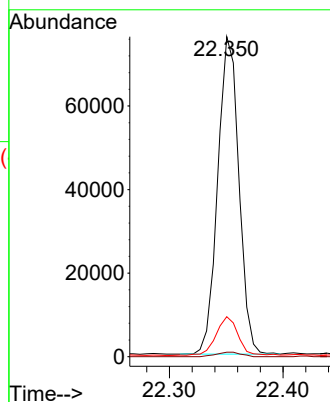
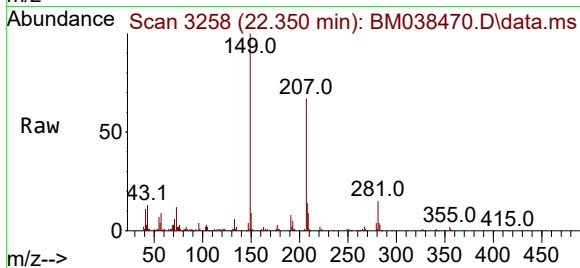
Tgt Ion:149 Resp: 98478

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 12.8 8.4 12.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3529

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

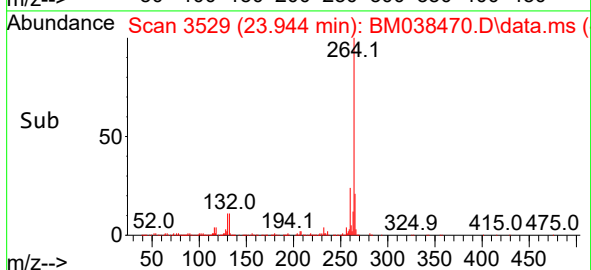
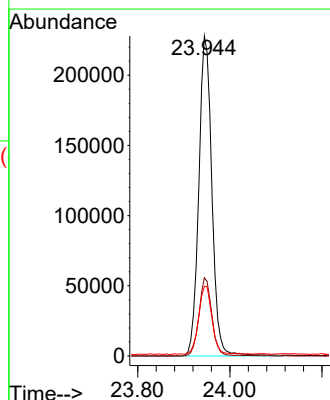
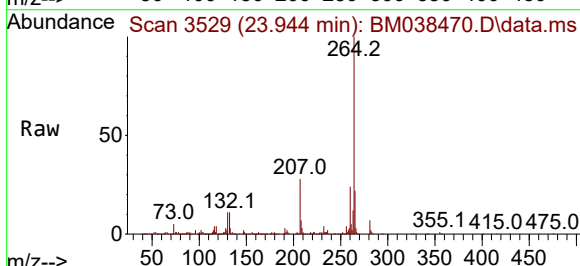
Tgt Ion:264 Resp: 450719

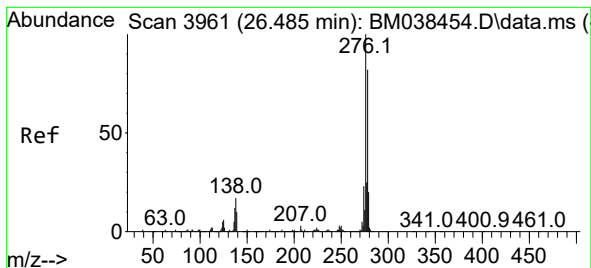
Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.4

265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.174 ng

RT: 26.468 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

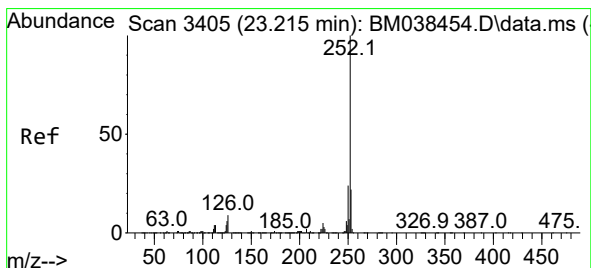
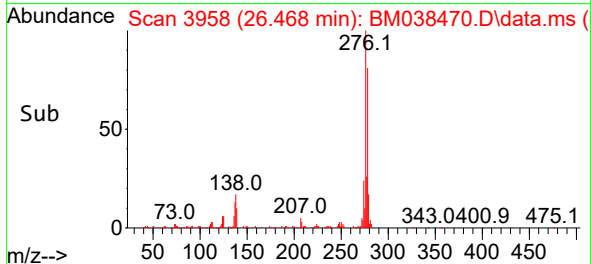
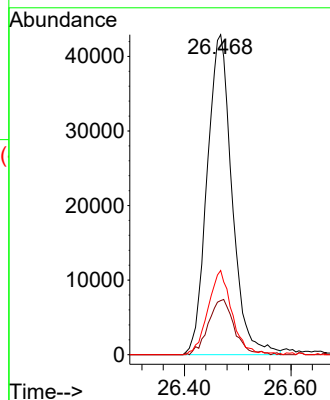
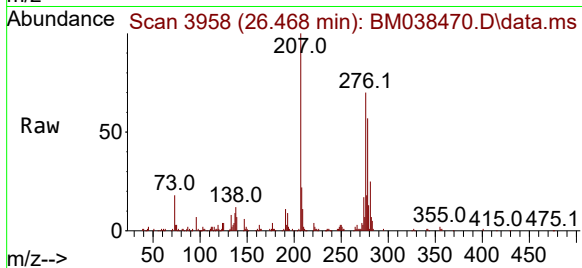
Tgt Ion:276 Resp: 139214

Ion Ratio Lower Upper

276 100

138 18.0 13.4 20.2

277 25.3 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 4.463 ng

RT: 23.203 min Scan# 3403

Delta R.T. -0.012 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

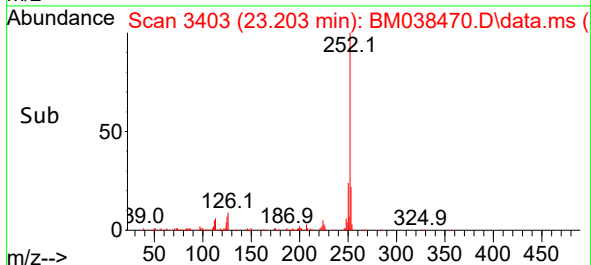
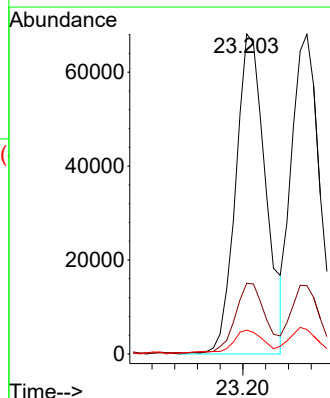
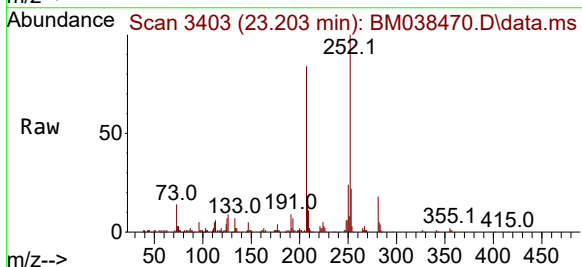
Tgt Ion:252 Resp: 124732

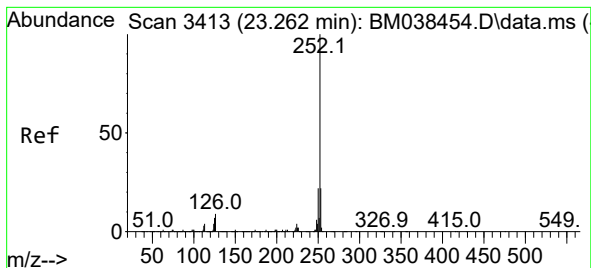
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 7.4 5.1 7.7





#89

Benzo(k)fluoranthene

Concen: 4.145 ng

RT: 23.256 min Scan# 3413

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

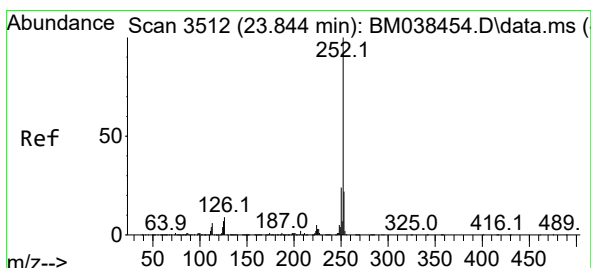
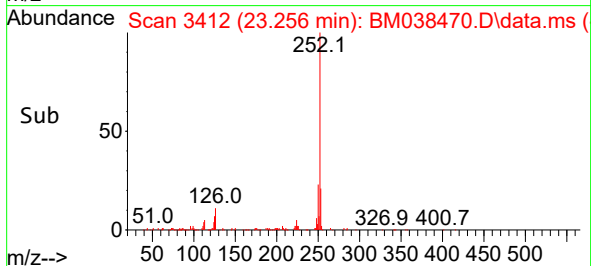
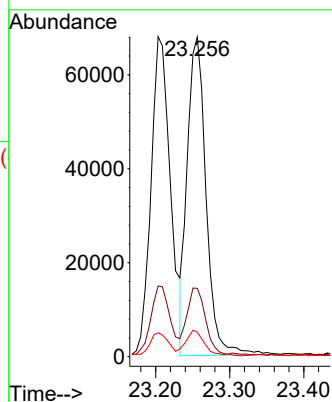
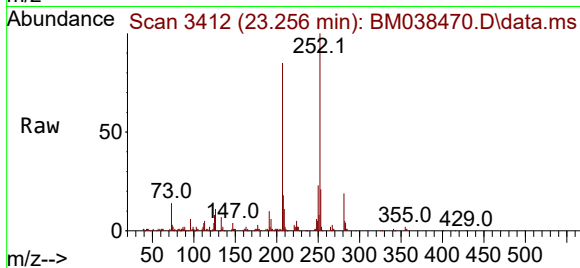
Tgt Ion:252 Resp: 119807

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 7.7 5.5 8.3



#90

Benzo(a)pyrene

Concen: 4.004 ng

RT: 23.839 min Scan# 3511

Delta R.T. -0.006 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

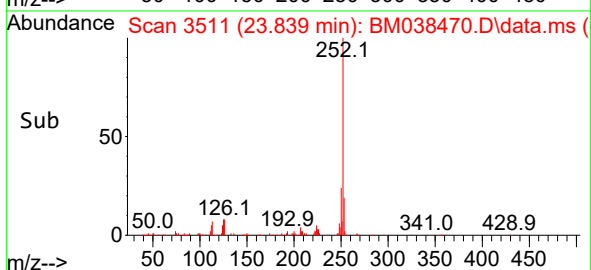
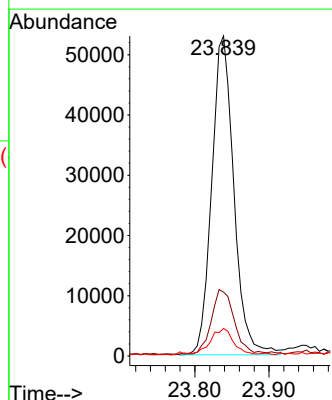
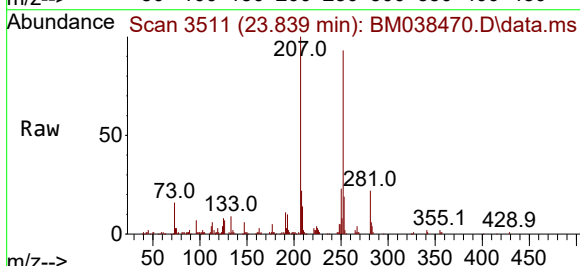
Tgt Ion:252 Resp: 109822

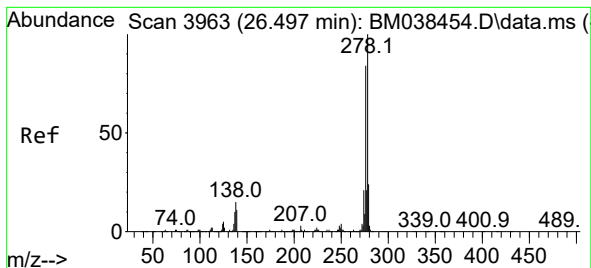
Ion Ratio Lower Upper

252 100

253 20.0 17.6 26.4

125 8.6 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 4.382 ng

RT: 26.480 min Scan# 3960

Delta R.T. -0.018 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

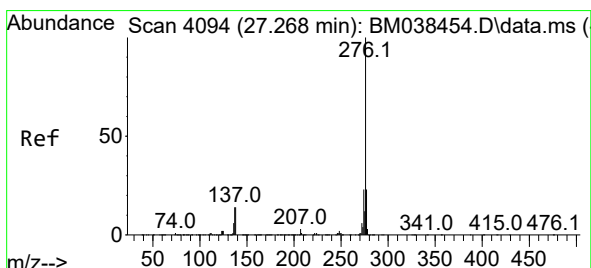
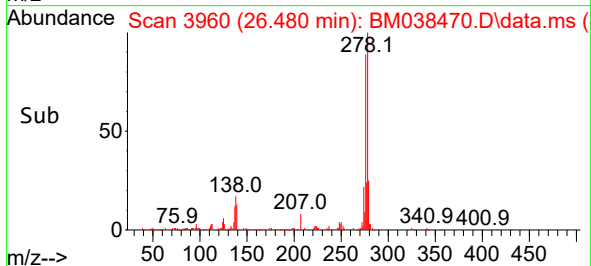
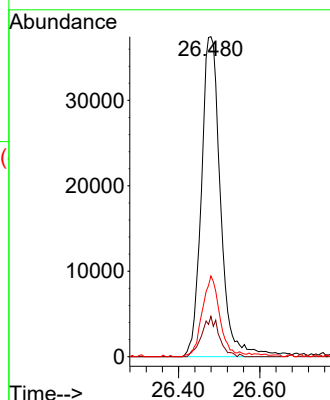
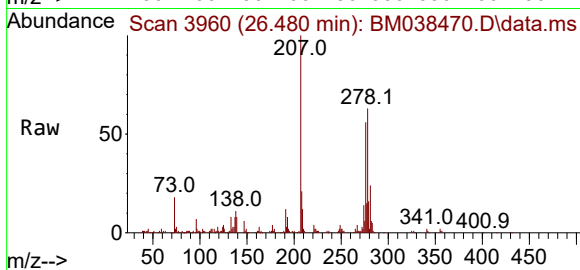
Tgt Ion:278 Resp: 122650

Ion Ratio Lower Upper

278 100

139 12.6 8.4 12.6#

279 25.2 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 4.451 ng

RT: 27.250 min Scan# 4091

Delta R.T. -0.018 min

Lab File: BM038470.D

Acq: 17 Jan 2023 18:44

Tgt Ion:276 Resp: 123595

Ion Ratio Lower Upper

276 100

277 21.4 18.6 27.8

138 14.7 11.3 16.9

