

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043994.D
 Acq On : 06 Feb 2024 16:27
 Operator : MA/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 07 03:09:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	297569	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	1301267	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	796041	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1703625	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1829659	20.000	ng	0.00
86) Perylene-d12	23.927	264	2139326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	3013124	149.531	ng	0.00
7) Phenol-d6	7.087	99	3970005	133.344	ng	0.00
23) Nitrobenzene-d5	9.092	82	2232572	82.705	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1239689	127.755	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	5013874	86.546	ng	0.00
79) Terphenyl-d14	19.956	244	8418158	88.817	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	92906	11.930	ng	96
3) Pyridine	3.799	79	232358	9.804	ng	96
4) n-Nitrosodimethylamine	3.716	42	103715	10.180	ng	# 94
6) Aniline	7.251	93	328874	11.102	ng	98
8) 2-Chlorophenol	7.481	128	215870	9.649	ng	99
9) Benzaldehyde	7.069	77	214739	12.490	ng	100
10) Phenol	7.110	94	292560	9.883	ng	93
11) bis(2-Chloroethyl)ether	7.357	93	237291	10.228	ng	99
12) 1,3-Dichlorobenzene	7.810	146	245606	10.168	ng	97
13) 1,4-Dichlorobenzene	7.957	146	252222	10.325	ng	99
14) 1,2-Dichlorobenzene	8.269	146	239117	9.925	ng	99
15) Benzyl Alcohol	8.169	79	196642	9.636	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.463	45	325528	10.463	ng	100
17) 2-Methylphenol	8.369	107	177171	9.363	ng	98
18) Hexachloroethane	8.992	117	93948	10.249	ng	96
19) n-Nitroso-di-n-propyla...	8.733	70	188320	9.613	ng	98
20) 3+4-Methylphenols	8.698	107	237860	8.906	ng	99
22) Acetophenone	8.751	105	368571	10.453	ng	# 99
24) Nitrobenzene	9.133	77	273036	10.081	ng	99
25) Isophorone	9.657	82	477446	9.501	ng	98
26) 2-Nitrophenol	9.839	139	94441	8.628	ng	98
27) 2,4-Dimethylphenol	9.904	122	162083	10.784	ng	93
28) bis(2-Chloroethoxy)met...	10.151	93	323800	10.551	ng	99
29) 2,4-Dichlorophenol	10.369	162	183363	9.565	ng	99
30) 1,2,4-Trichlorobenzene	10.586	180	219978	10.159	ng	99
31) Naphthalene	10.775	128	729237	10.054	ng	99
32) Benzoic acid	9.975	122	91508	11.442	ng	95
33) 4-Chloroaniline	10.892	127	309136	10.370	ng	99
34) Hexachlorobutadiene	11.051	225	117449	9.946	ng	98
35) Caprolactam	11.663	113	62974	8.010	ng	98
36) 4-Chloro-3-methylphenol	12.010	107	216974	9.242	ng	99
37) 2-Methylnaphthalene	12.386	142	496771	9.821	ng	99
38) 1-Methylnaphthalene	12.604	142	486297	9.631	ng	100
40) 1,2,4,5-Tetrachloroben...	12.751	216	242765	10.753	ng	100
41) Hexachlorocyclopentadiene	12.721	237	87317	11.759	ng	95
43) 2,4,6-Trichlorophenol	12.998	196	144118	9.446	ng	98

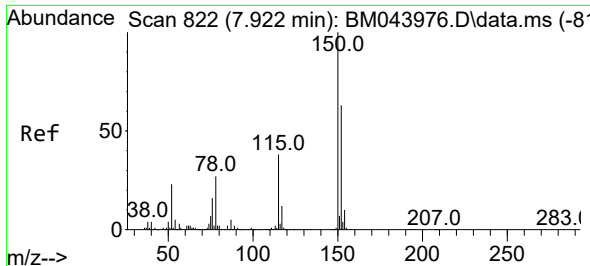
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	162002	9.306	ng	99
46) 1,1'-Biphenyl	13.404	154	664345	10.613	ng	100
47) 2-Chloronaphthalene	13.439	162	511209	10.240	ng	100
48) 2-Nitroaniline	13.651	65	144627	8.907	ng	97
49) Acenaphthylene	14.286	152	819772	10.742	ng	100
50) Dimethylphthalate	14.033	163	627329	10.146	ng	100
51) 2,6-Dinitrotoluene	14.151	165	121477	8.938	ng	96
52) Acenaphthene	14.627	154	483724	9.999	ng	99
53) 3-Nitroaniline	14.480	138	140999	8.936	ng	96
54) 2,4-Dinitrophenol	14.680	184	40229	11.752	ng	98
55) Dibenzofuran	14.963	168	785052	10.428	ng	98
56) 4-Nitrophenol	14.780	139	112371	8.149	ng	99
57) 2,4-Dinitrotoluene	14.933	165	152714	8.072	ng	94
58) Fluorene	15.615	166	635915	10.002	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	143198	9.542	ng	97
60) Diethylphthalate	15.398	149	626282	9.784	ng	99
61) 4-Chlorophenyl-phenyle...	15.615	204	299996	10.114	ng	99
62) 4-Nitroaniline	15.639	138	144802	8.393	ng	98
63) Azobenzene	15.910	77	637169	9.966	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	61510	11.287	ng	89
66) n-Nitrosodiphenylamine	15.833	169	538157	10.605	ng	99
67) 4-Bromophenyl-phenylether	16.509	248	117275	6.988	ng	95
68) Hexachlorobenzene	16.609	284	199463	9.968	ng	99
69) Atrazine	16.786	200	171579	12.221	ng	99
70) Pentachlorophenol	16.956	266	100582	7.655	ng	99
71) Phenanthrene	17.356	178	1006288	10.605	ng	100
72) Anthracene	17.451	178	967661	10.416	ng	99
73) Carbazole	17.727	167	949787	9.872	ng	99
74) Di-n-butylphthalate	18.303	149	1036484	9.823	ng	99
75) Fluoranthene	19.380	202	1133884	9.663	ng	98
77) Benzidine	19.574	184	438152	18.874	ng	99
78) Pyrene	19.739	202	1206116	9.590	ng	100
80) Butylbenzylphthalate	20.662	149	499985	10.039	ng	99
81) Benzo(a)anthracene	21.497	228	1342069	10.455	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	440727	10.738	ng	99
83) Chrysene	21.550	228	1242889	10.107	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	733740	9.907	ng	100
85) Di-n-octyl phthalate	22.391	149	1213271	9.509	ng	100
87) Indeno(1,2,3-cd)pyrene	26.421	276	1645578	10.280	ng	99
88) Benzo(b)fluoranthene	23.191	252	1417696	10.535	ng	99
89) Benzo(k)fluoranthene	23.238	252	1321429	10.235	ng	98
90) Benzo(a)pyrene	23.815	252	1170999	9.845	ng	99
91) Dibenzo(a,h)anthracene	26.450	278	1379900	10.452	ng	99
92) Benzo(g,h,i)perylene	27.185	276	1318523	9.792	ng	99

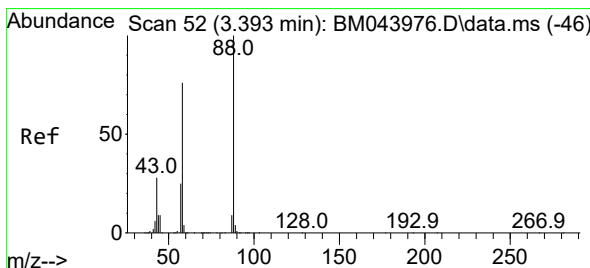
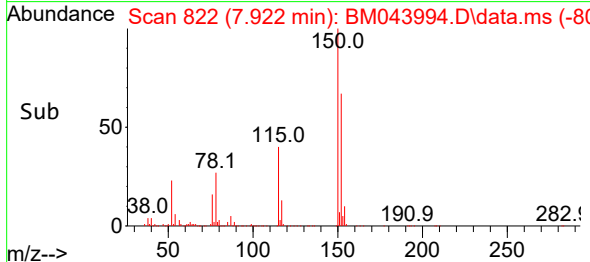
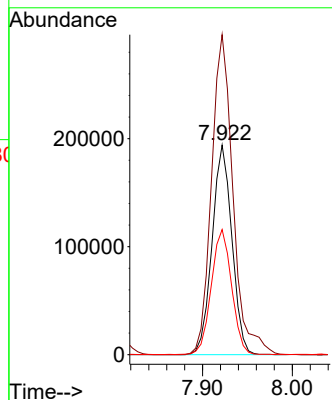
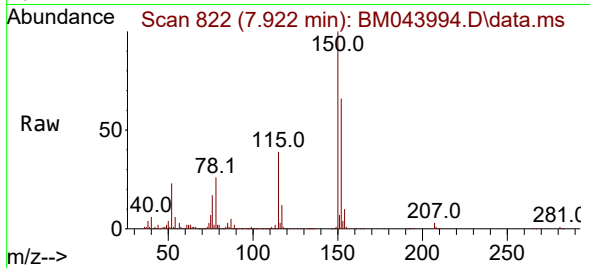
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM043994.D
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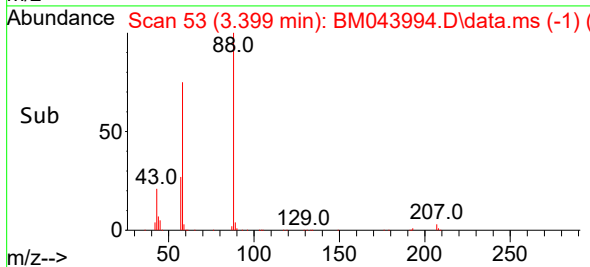
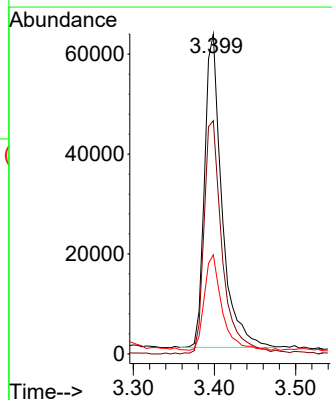
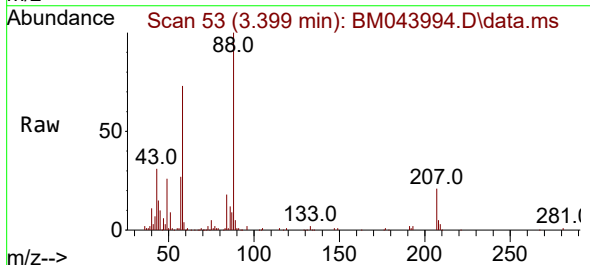
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ClientSampleId :
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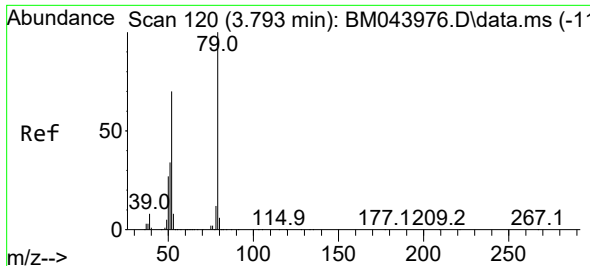
Tgt Ion:152 Resp: 297569
Ion Ratio Lower Upper
152 100
150 152.7 126.1 189.1
115 59.7 48.2 72.2



#2
1,4-Dioxane
Concen: 11.930 ng
RT: 3.399 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion: 88 Resp: 92906
Ion Ratio Lower Upper
88 100
58 79.2 61.0 91.6
43 31.7 23.0 34.6

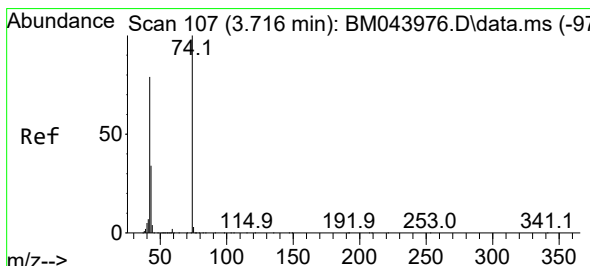
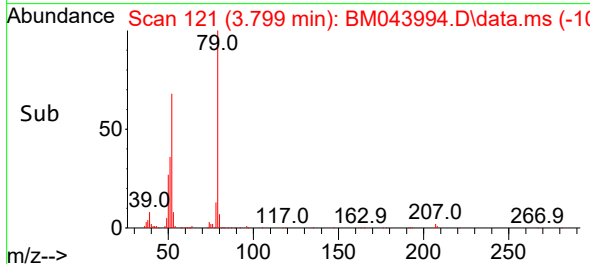
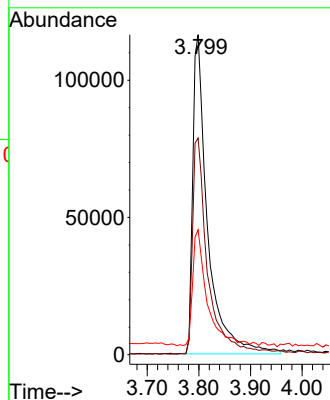
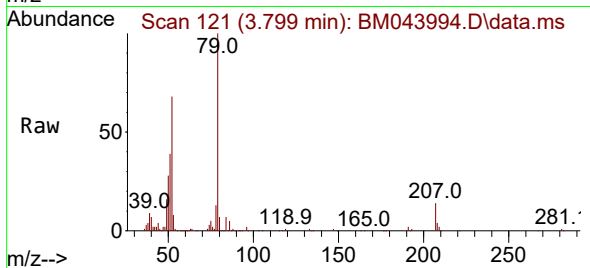




#3
Pyridine
Concen: 9.804 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

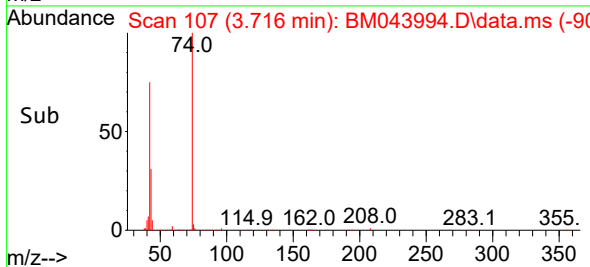
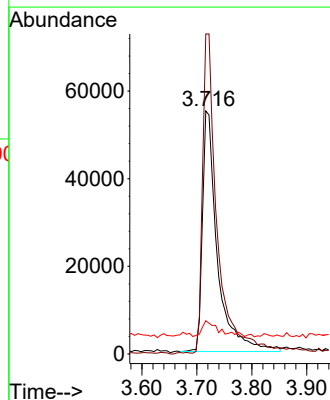
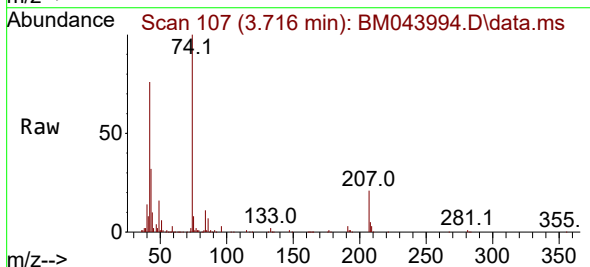
Instrument :
BNA_M
ClientSampleId :
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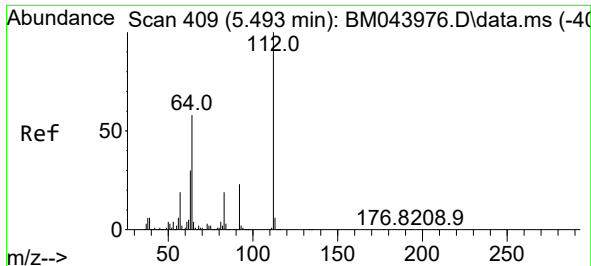
Tgt Ion: 79 Resp: 232358
Ion Ratio Lower Upper
79 100
52 67.7 55.9 83.9
51 39.0 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 10.180 ng
RT: 3.716 min Scan# 107
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion: 42 Resp: 103715
Ion Ratio Lower Upper
42 100
74 131.7 100.7 151.1
44 13.7 7.3 10.9#

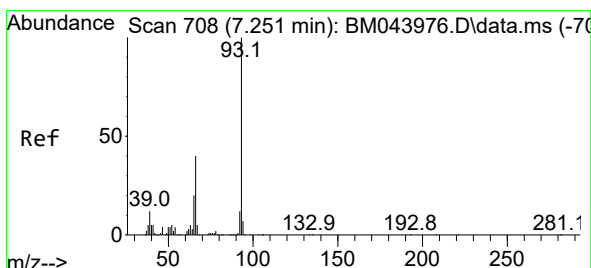
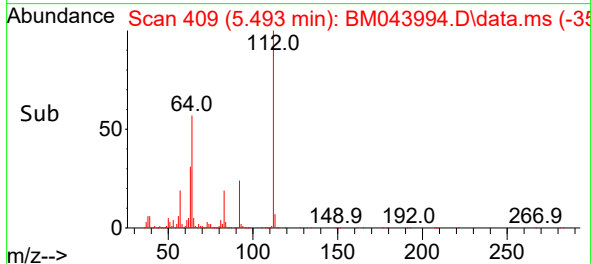
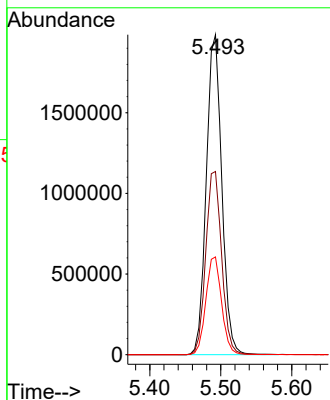
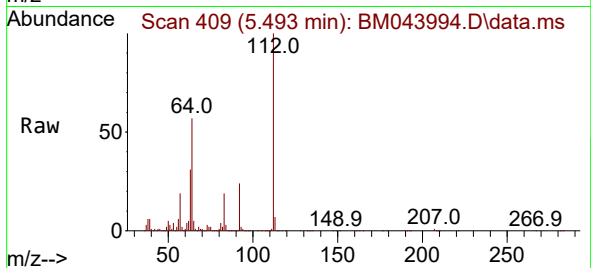




#5
2-Fluorophenol
Concen: 149.531 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

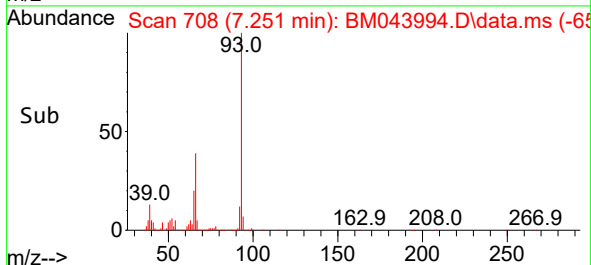
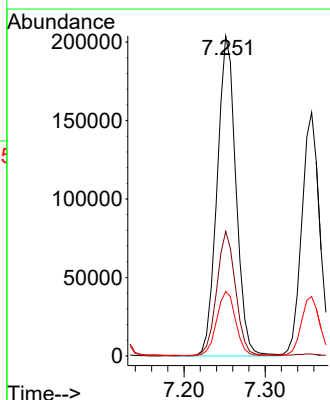
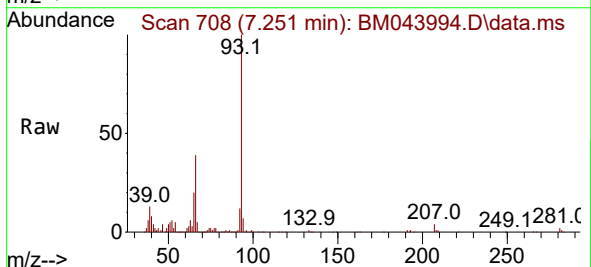
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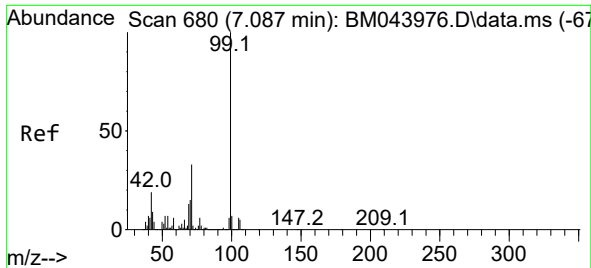
Tgt Ion:112 Resp: 3013124
Ion Ratio Lower Upper
112 100
64 57.2 46.6 70.0
63 30.6 24.2 36.4



#6
Aniline
Concen: 11.102 ng
RT: 7.251 min Scan# 708
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion: 93 Resp: 328874
Ion Ratio Lower Upper
93 100
66 38.9 32.2 48.2
65 20.1 15.8 23.8

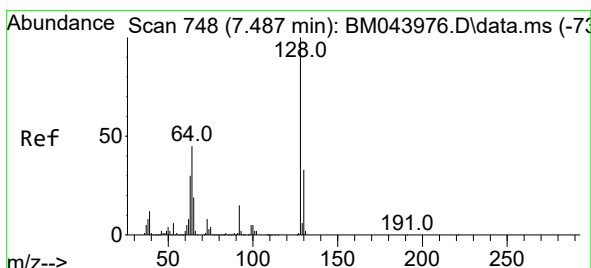
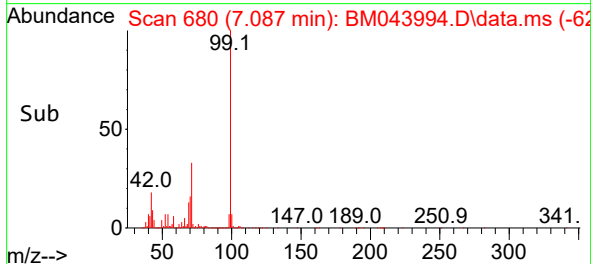
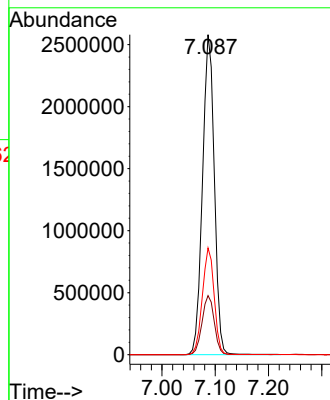
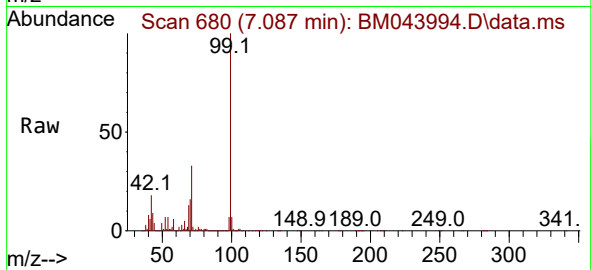




#7
Phenol-d6
Concen: 133.344 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

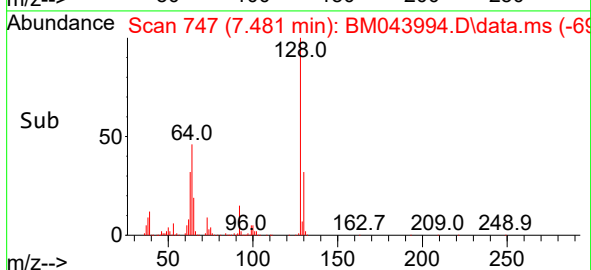
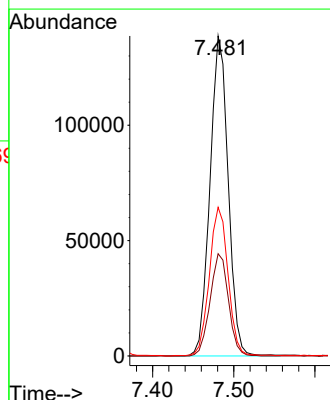
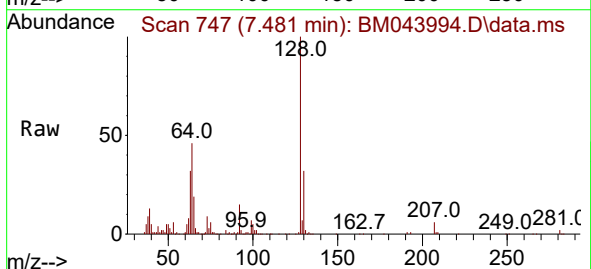
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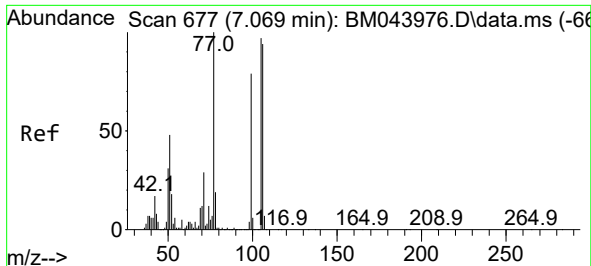
Tgt Ion: 99 Resp: 3970005
Ion Ratio Lower Upper
99 100
42 18.5 14.9 22.3
71 33.4 26.3 39.5



#8
2-Chlorophenol
Concen: 9.649 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:128 Resp: 215870
Ion Ratio Lower Upper
128 100
130 31.9 12.9 52.9
64 46.4 25.6 65.6

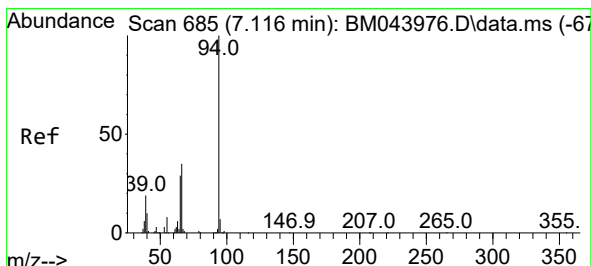
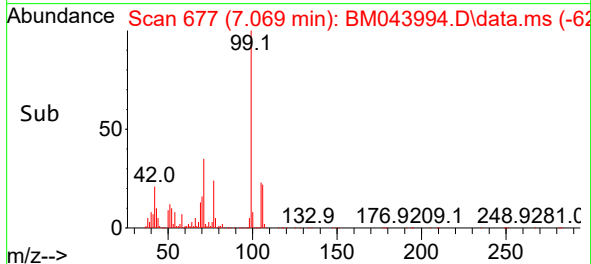
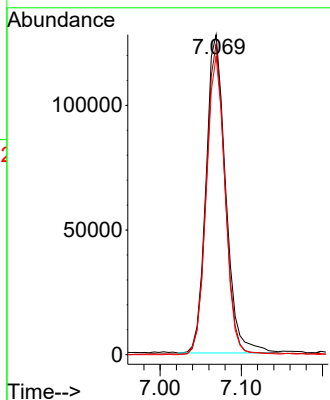
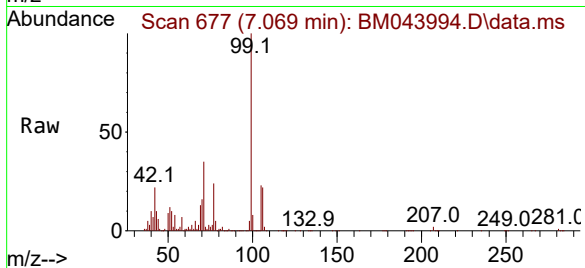




#9
Benzaldehyde
Concen: 12.490 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

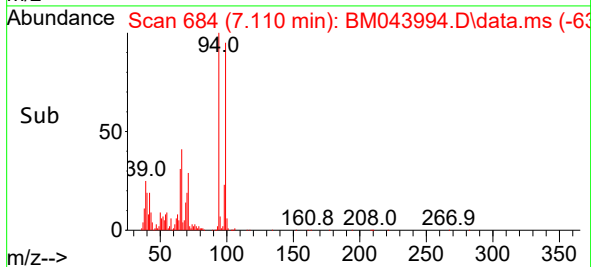
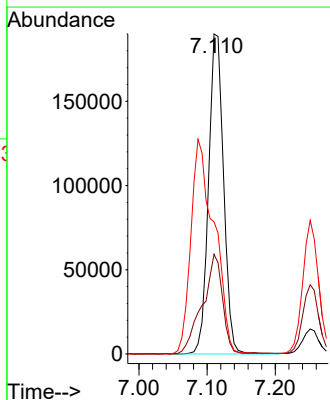
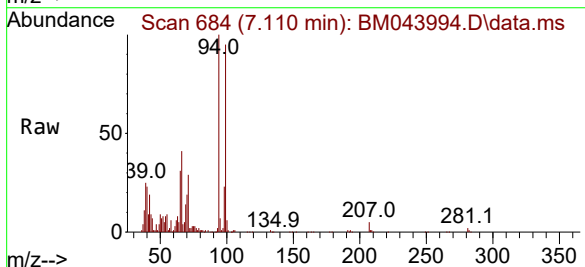
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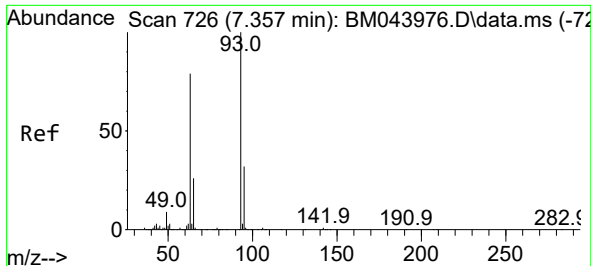
Tgt Ion: 77 Resp: 214739
Ion Ratio Lower Upper
77 100
105 97.1 77.4 117.4
106 93.3 73.5 113.5



#10
Phenol
Concen: 9.883 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion: 94 Resp: 292560
Ion Ratio Lower Upper
94 100
65 31.1 9.3 49.3
66 41.3 15.7 55.7

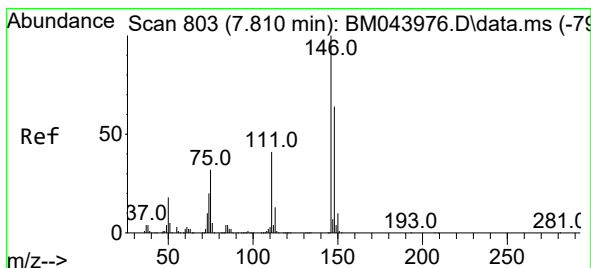
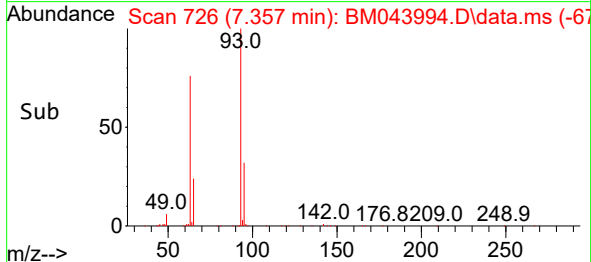
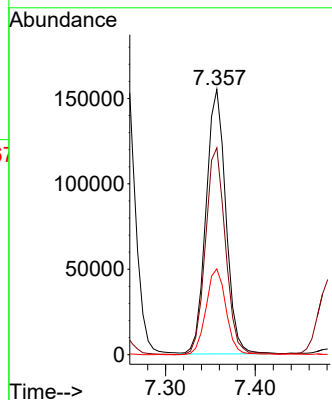
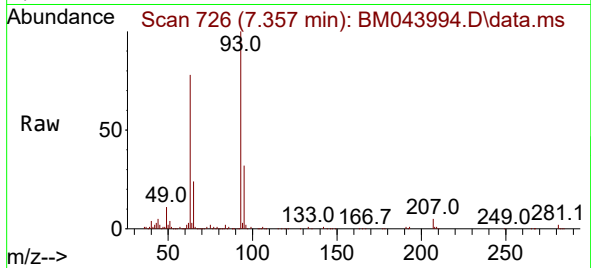




#11
bis(2-Chloroethyl)ether
Concen: 10.228 ng
RT: 7.357 min Scan# 726
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

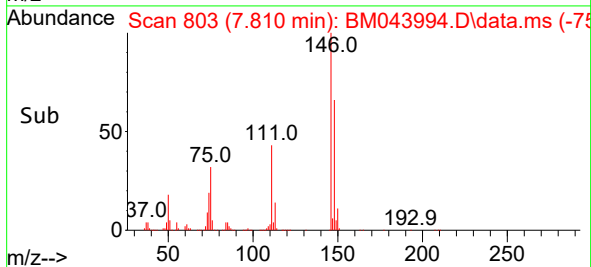
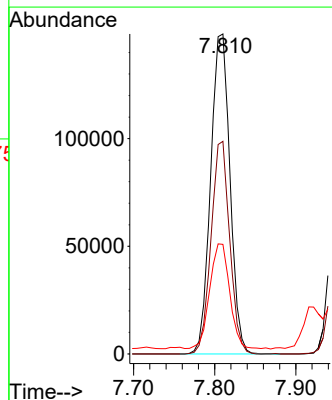
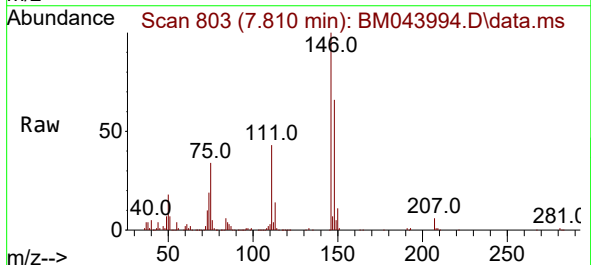
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

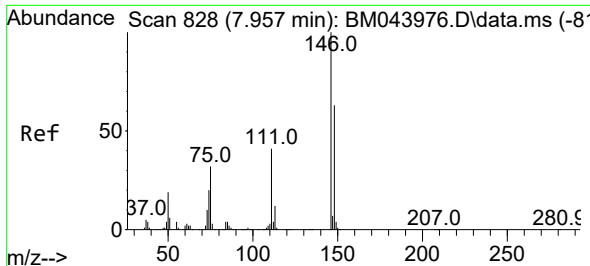
Tgt Ion: 93 Resp: 237291
Ion Ratio Lower Upper
93 100
63 78.0 59.0 99.0
95 32.4 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 10.168 ng
RT: 7.810 min Scan# 803
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:146 Resp: 245606
Ion Ratio Lower Upper
146 100
148 66.5 51.0 76.6
75 34.3 26.1 39.1

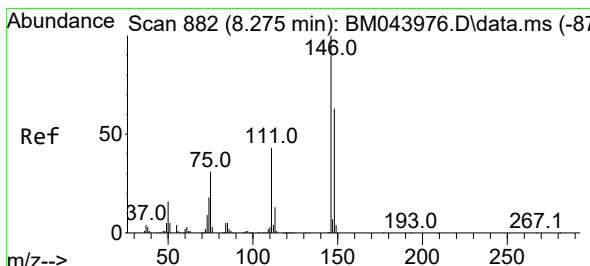
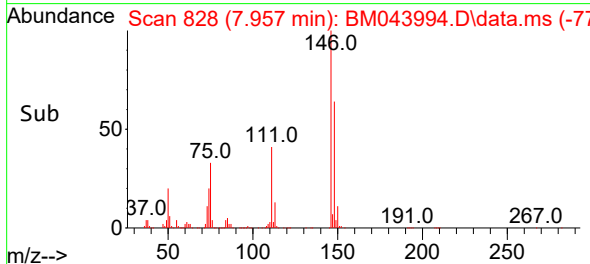
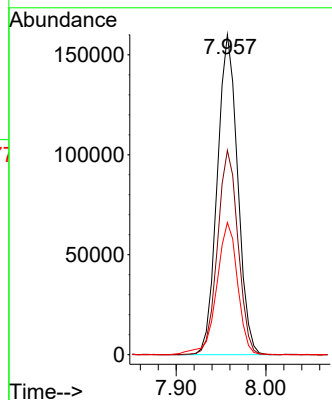
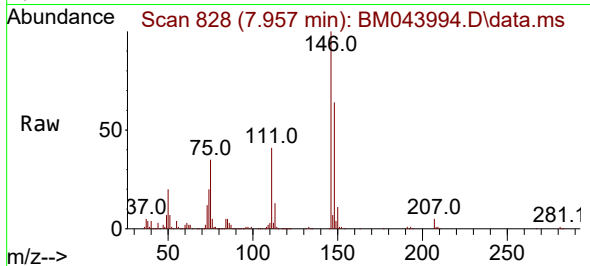




#13
1,4-Dichlorobenzene
Concen: 10.325 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

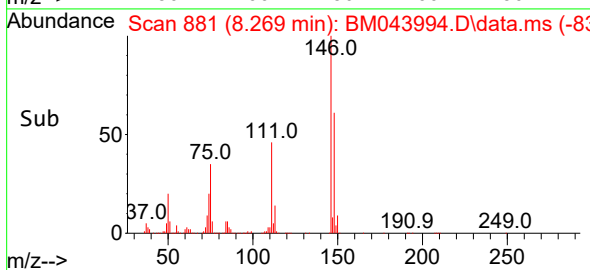
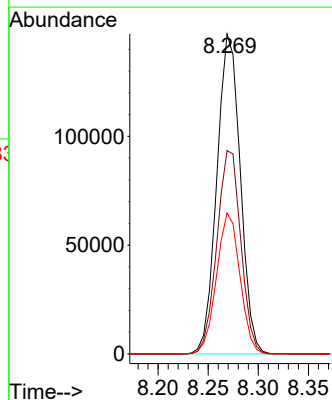
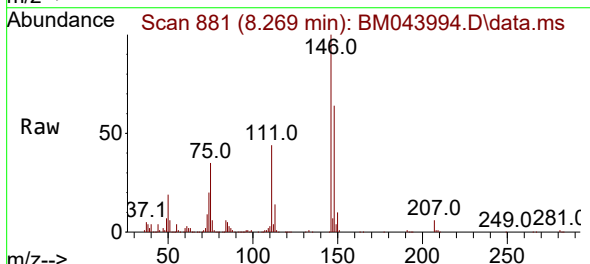
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

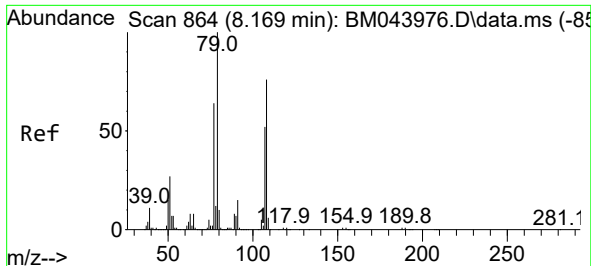
Tgt Ion:146 Resp: 252222
Ion Ratio Lower Upper
146 100
148 63.9 50.7 76.1
111 41.3 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 9.925 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:146 Resp: 239117
Ion Ratio Lower Upper
146 100
148 63.6 50.3 75.5
111 44.1 34.3 51.5

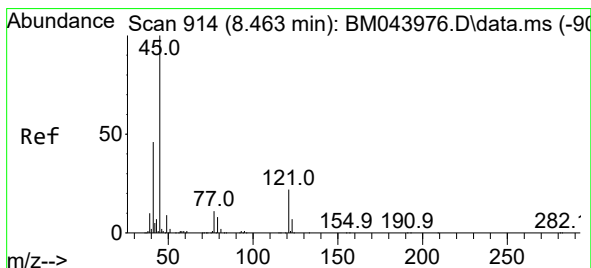
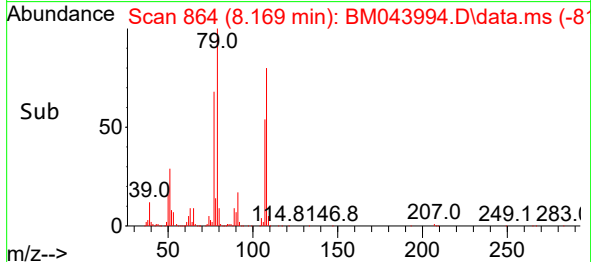
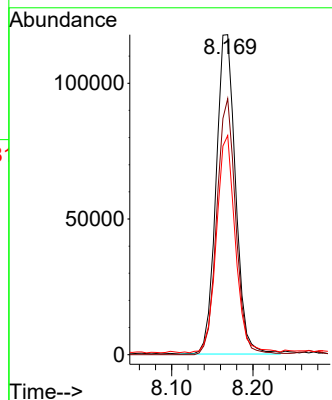
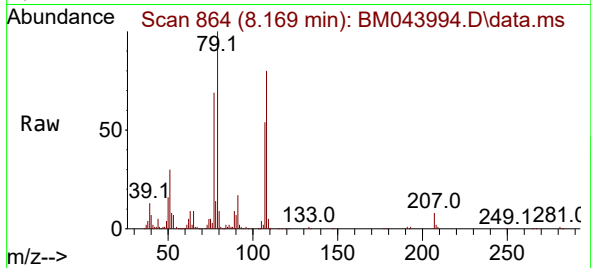




#15
Benzyl Alcohol
Concen: 9.636 ng
RT: 8.169 min Scan# 864
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

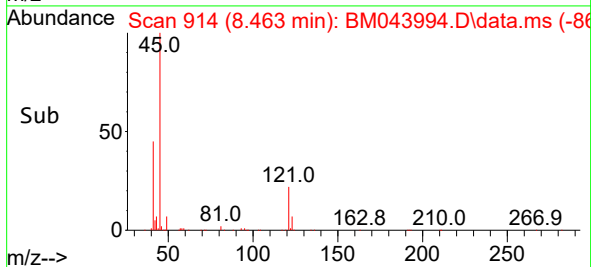
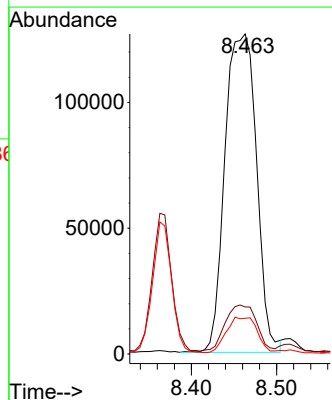
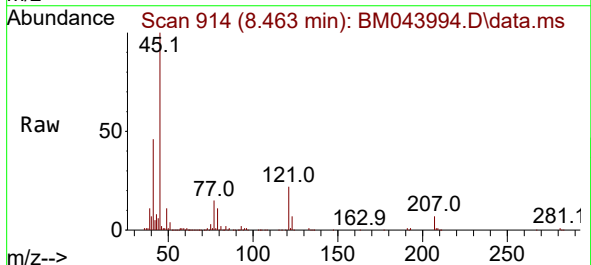
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

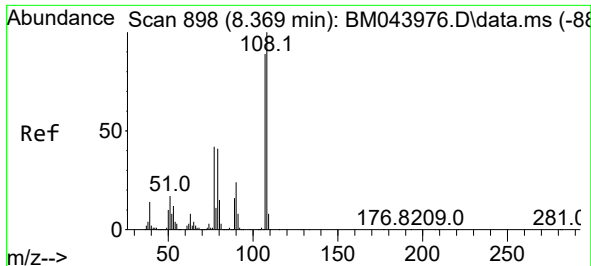
Tgt Ion: 79 Resp: 196642
Ion Ratio Lower Upper
79 100
108 80.0 60.7 91.1
77 68.5 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.463 ng
RT: 8.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion: 45 Resp: 325528
Ion Ratio Lower Upper
45 100
77 14.7 0.0 34.4
79 11.2 0.0 31.2

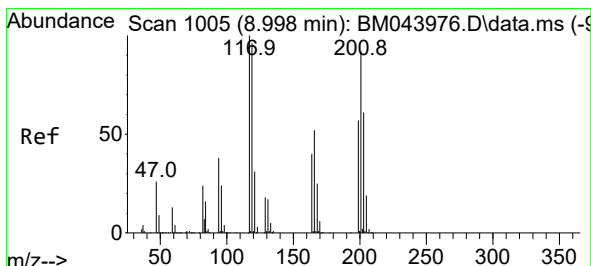
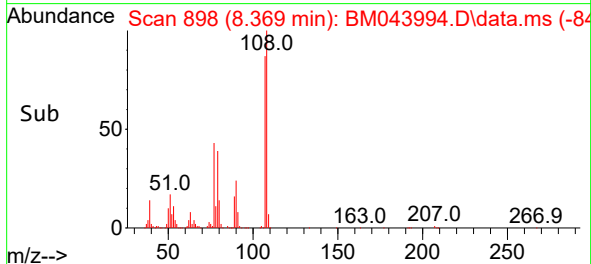
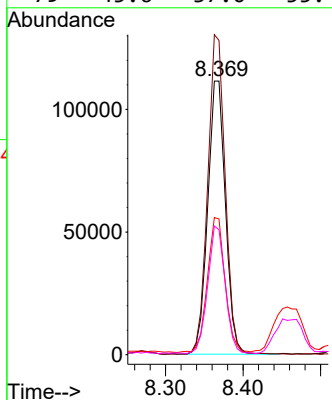
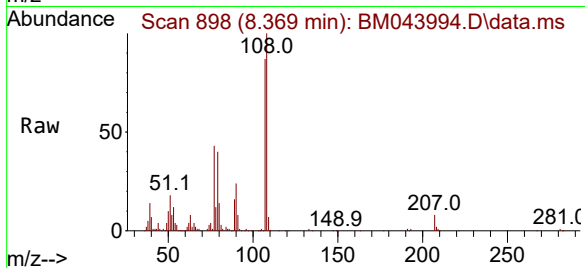




#17
2-Methylphenol
Concen: 9.363 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

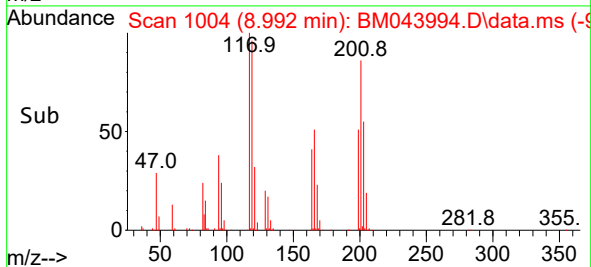
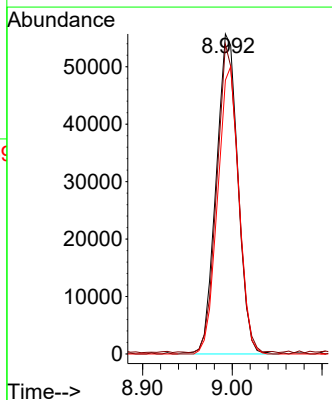
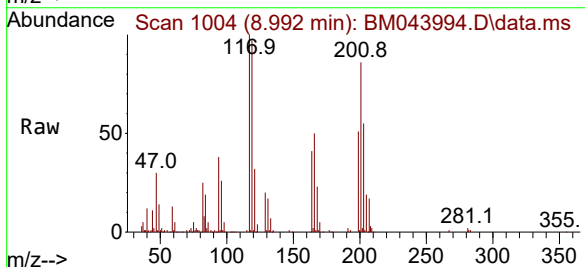
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

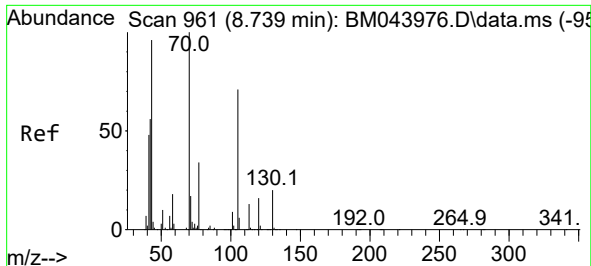
Tgt Ion:	107	Resp:	177171
Ion Ratio	Lower	Upper	
107	100		
108	114.8	90.4	135.6
77	49.6	38.0	57.0
79	45.6	37.0	55.4



#18
Hexachloroethane
Concen: 10.249 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:	117	Resp:	93948
Ion Ratio	Lower	Upper	
117	100		
119	96.8	76.7	115.1
201	85.6	73.4	110.2

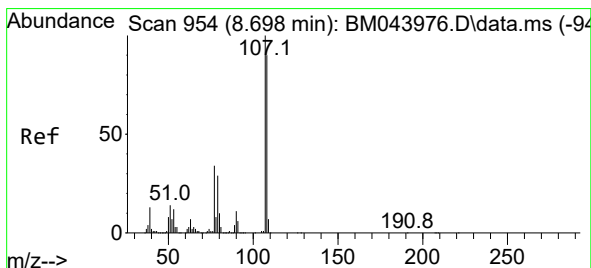
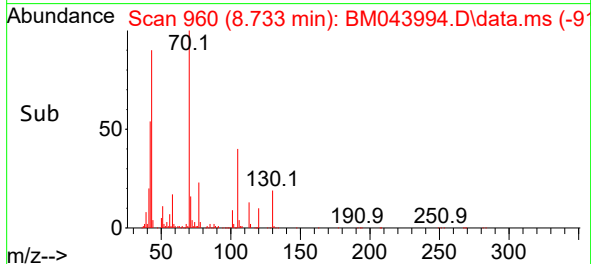
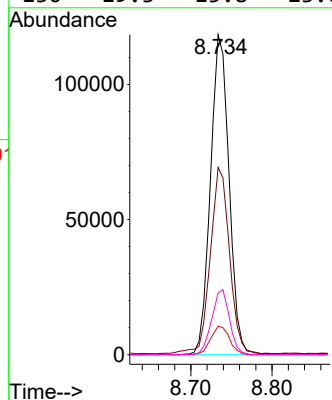
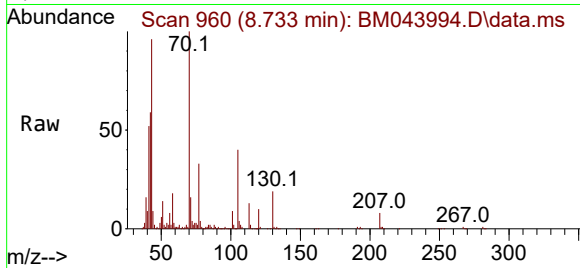




#19
n-Nitroso-di-n-propylamine
Concen: 9.613 ng
RT: 8.733 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

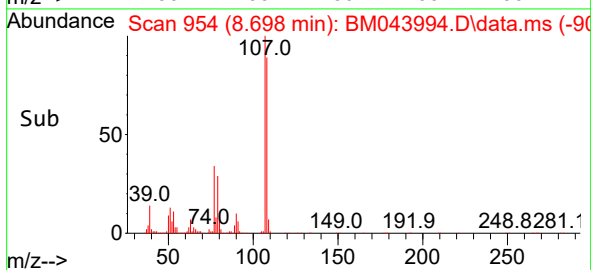
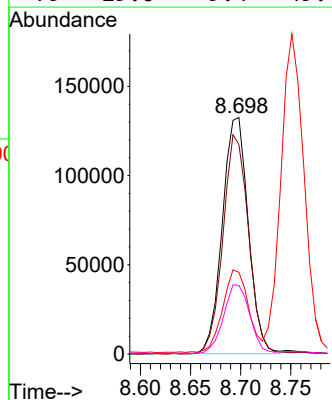
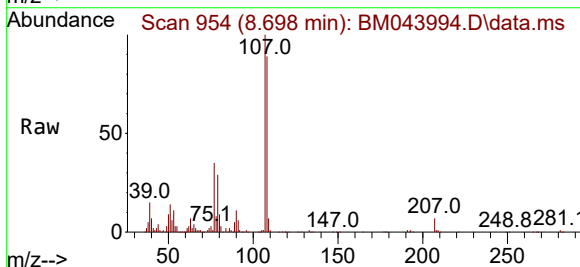
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

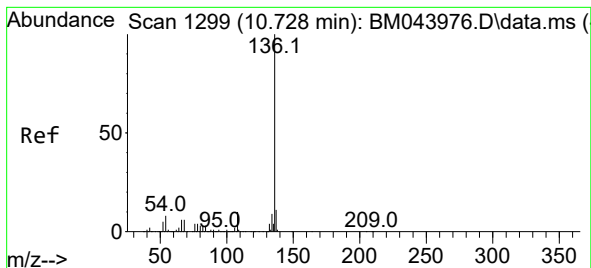
Tgt Ion: 70 Resp: 188320
Ion Ratio Lower Upper
70 100
42 58.5 45.6 68.4
101 8.9 7.5 11.3
130 19.3 15.8 23.6



#20
3+4-Methylphenols
Concen: 8.906 ng
RT: 8.698 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:107 Resp: 237860
Ion Ratio Lower Upper
107 100
108 88.6 70.3 110.3
77 34.5 14.0 54.0
79 29.0 9.4 49.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.727 min Scan# 1

Delta R.T. -0.001 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:136 Resp: 1301267

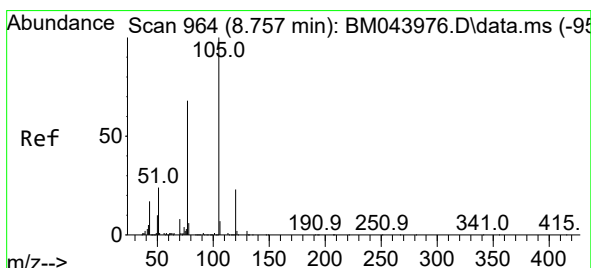
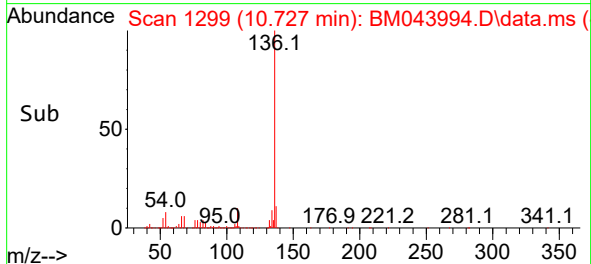
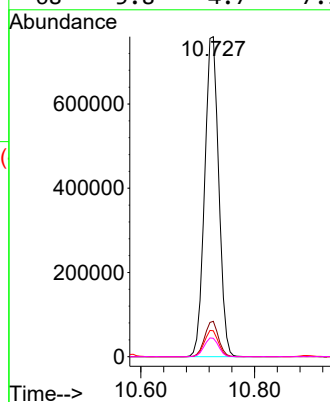
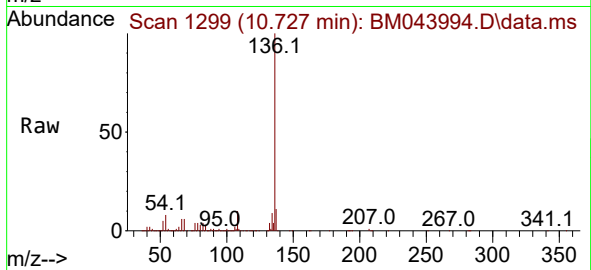
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.1 6.5 9.7

68 5.8 4.7 7.1



#22

Acetophenone

Concen: 10.453 ng

RT: 8.751 min Scan# 963

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Tgt Ion:105 Resp: 368571

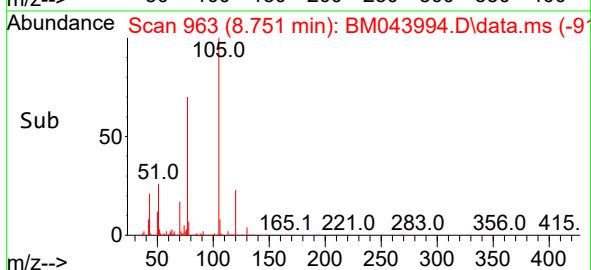
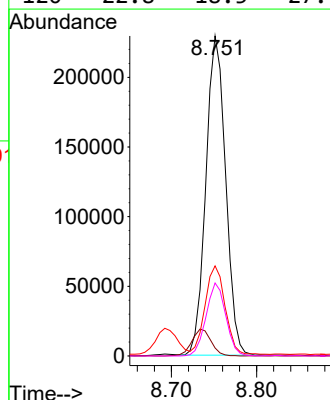
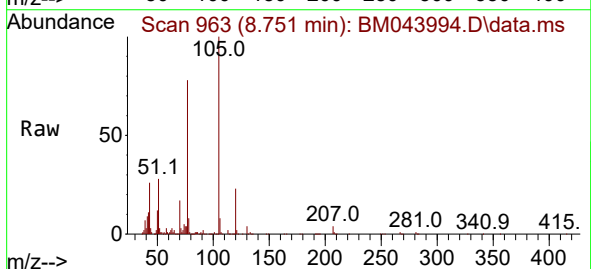
Ion Ratio Lower Upper

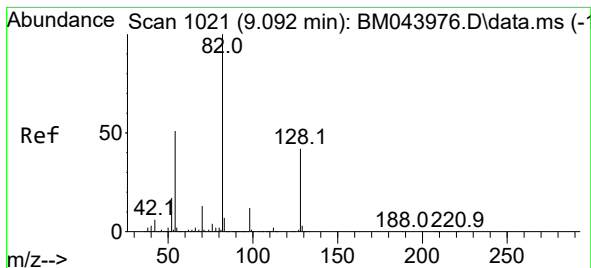
105 100

71 2.5 1.6 2.4#

51 28.2 21.8 32.6

120 22.8 18.5 27.7





#23

Nitrobenzene-d5

Concen: 82.705 ng

RT: 9.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

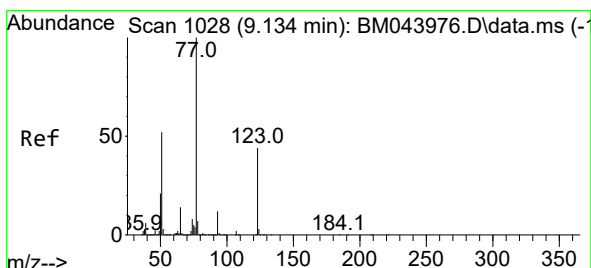
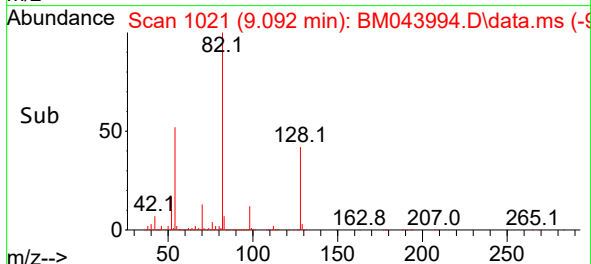
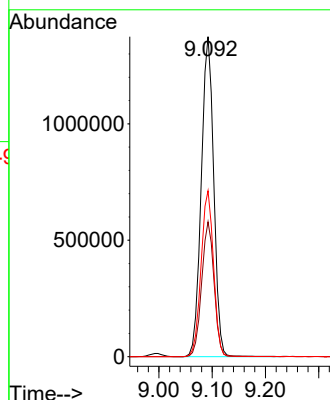
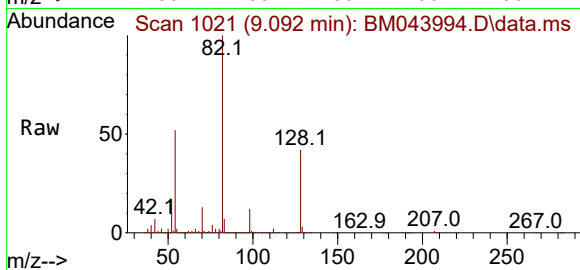
Tgt Ion: 82 Resp: 2232572

Ion Ratio Lower Upper

82 100

128 42.1 33.9 50.9

54 51.8 41.1 61.7



#24

Nitrobenzene

Concen: 10.081 ng

RT: 9.133 min Scan# 1028

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

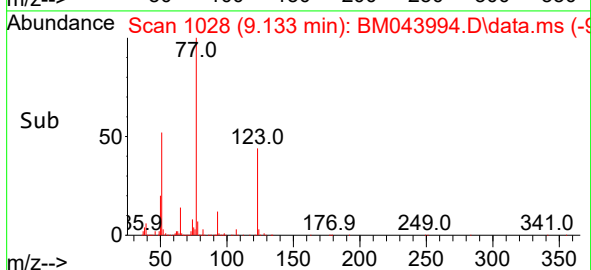
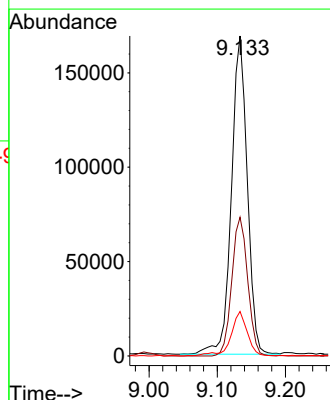
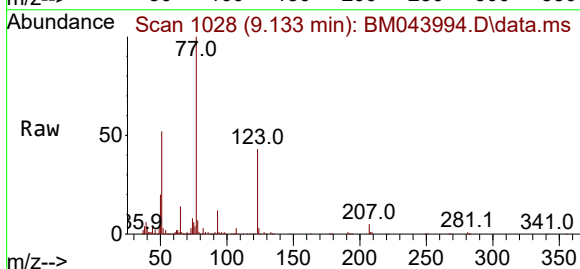
Tgt Ion: 77 Resp: 273036

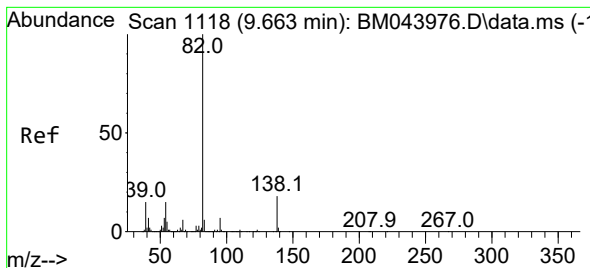
Ion Ratio Lower Upper

77 100

123 43.4 35.3 52.9

65 13.9 10.9 16.3





#25

Isophorone

Concen: 9.501 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

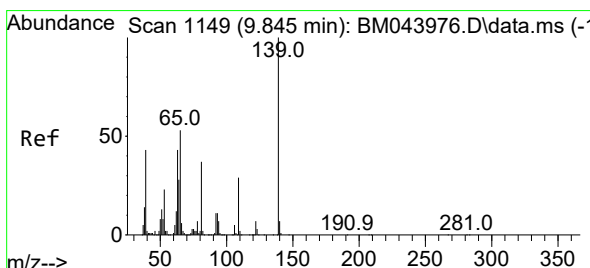
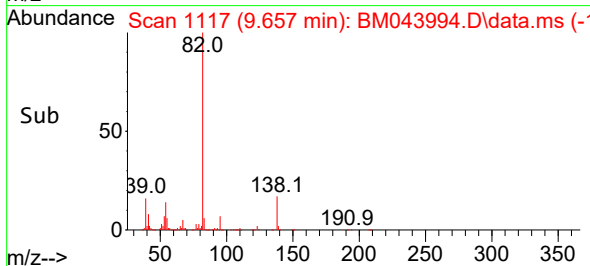
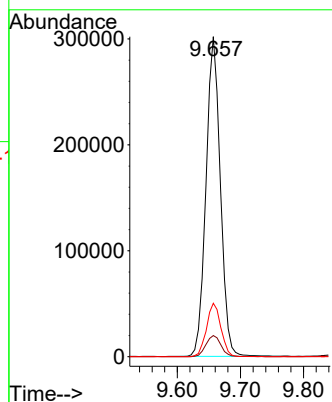
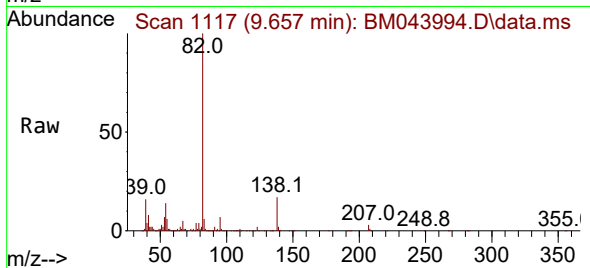
Tgt Ion: 82 Resp: 477446

Ion Ratio Lower Upper

82 100

95 6.6 5.6 8.4

138 16.7 14.2 21.2



#26

2-Nitrophenol

Concen: 8.628 ng

RT: 9.839 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

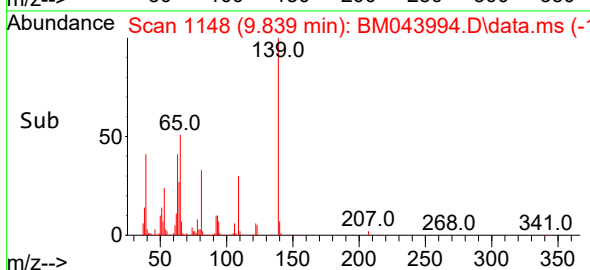
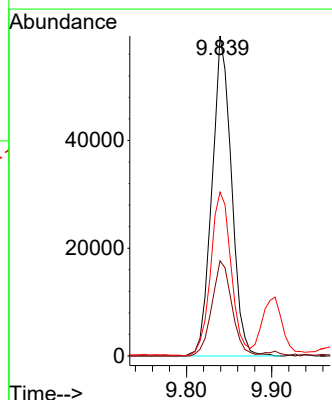
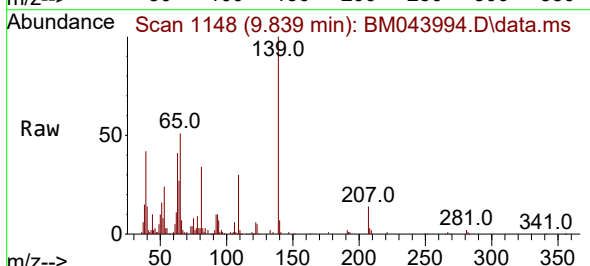
Tgt Ion: 139 Resp: 94441

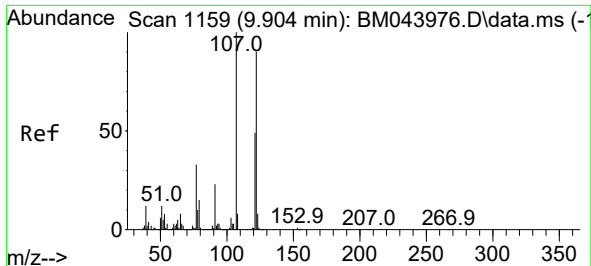
Ion Ratio Lower Upper

139 100

109 29.7 23.3 34.9

65 51.2 42.5 63.7

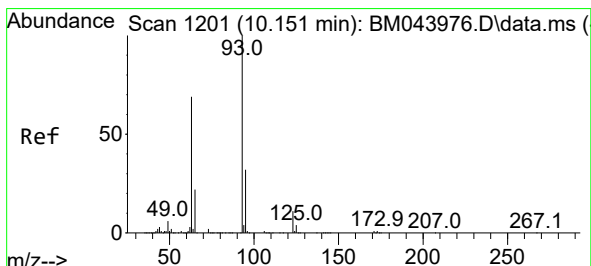
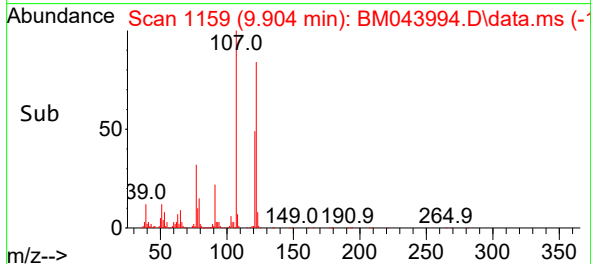
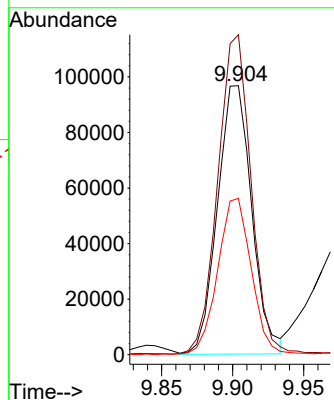
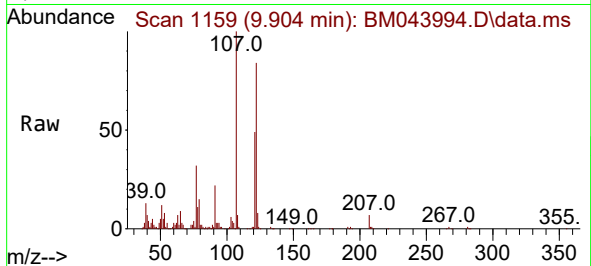




#27
2,4-Dimethylphenol
Concen: 10.784 ng
RT: 9.904 min Scan# 1159
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

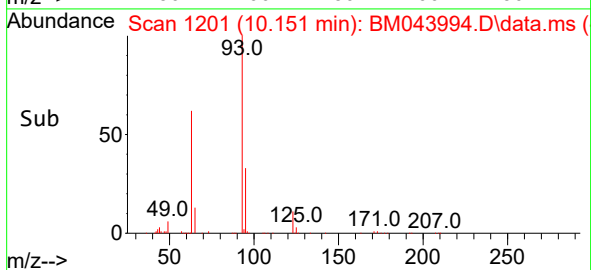
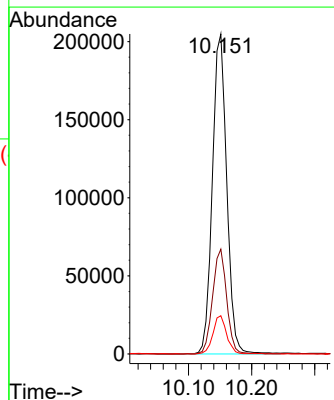
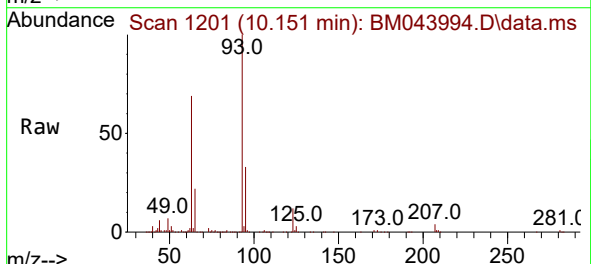
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2024

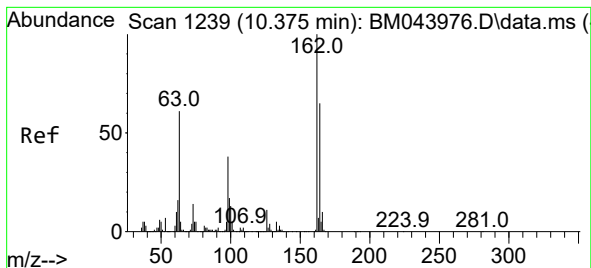
Tgt Ion:122 Resp: 162083
Ion Ratio Lower Upper
122 100
107 119.0 89.0 133.4
121 58.1 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 10.551 ng
RT: 10.151 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion: 93 Resp: 323800
Ion Ratio Lower Upper
93 100
95 32.8 25.9 38.9
123 11.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 9.565 ng

RT: 10.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

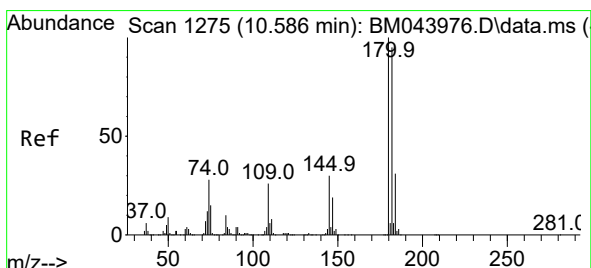
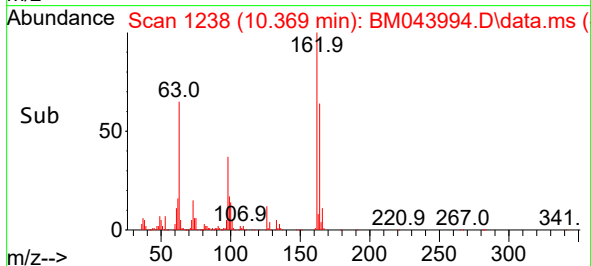
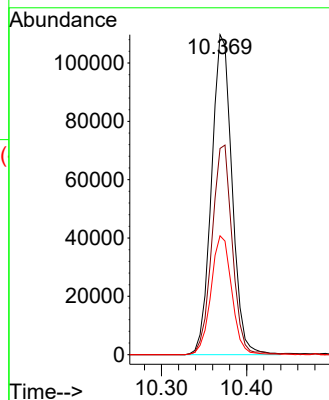
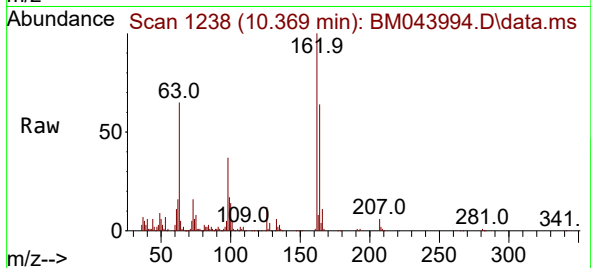
Tgt Ion:162 Resp: 183363

Ion Ratio Lower Upper

162 100

164 64.5 45.1 85.1

98 37.1 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 10.159 ng

RT: 10.586 min Scan# 1275

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

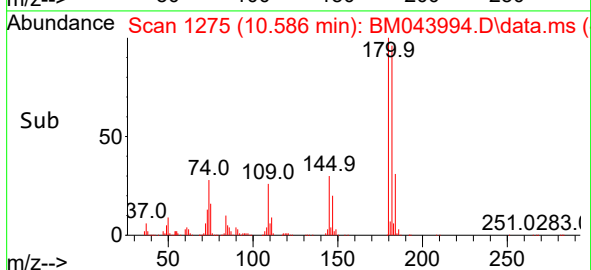
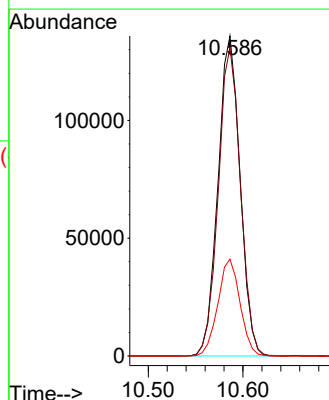
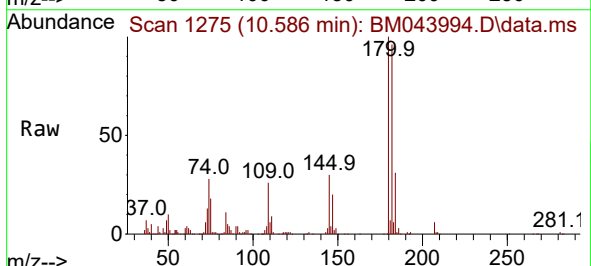
Tgt Ion:180 Resp: 219978

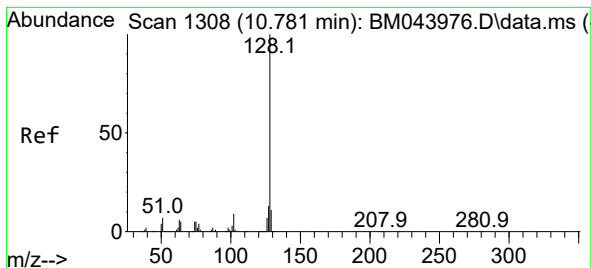
Ion Ratio Lower Upper

180 100

182 96.4 76.0 114.0

145 30.3 24.2 36.2





#31

Naphthalene

Concen: 10.054 ng

RT: 10.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

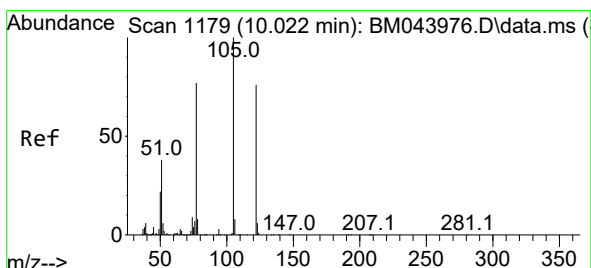
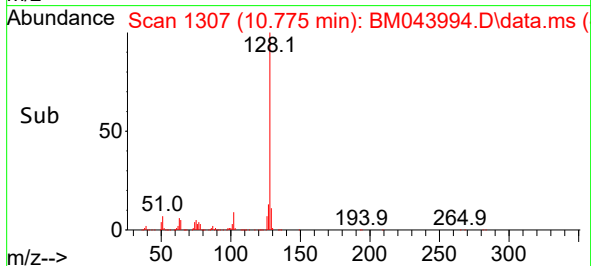
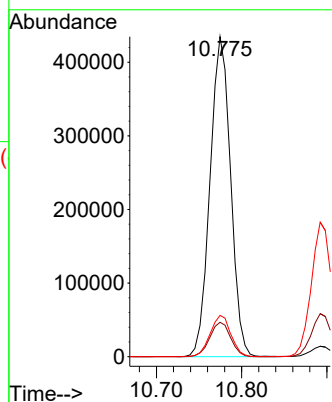
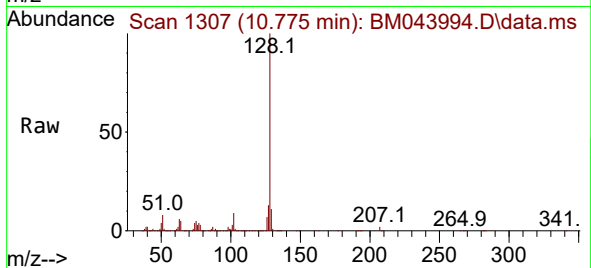
Tgt Ion:128 Resp: 729237

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 12.9 10.1 15.1



#32

Benzoic acid

Concen: 11.442 ng

RT: 9.975 min Scan# 1171

Delta R.T. -0.047 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

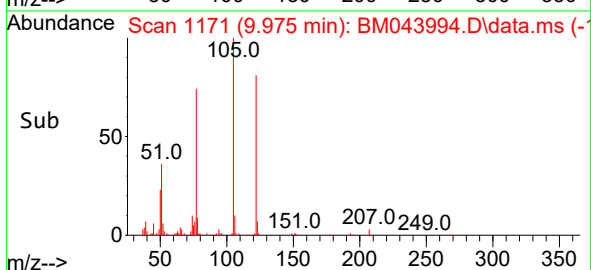
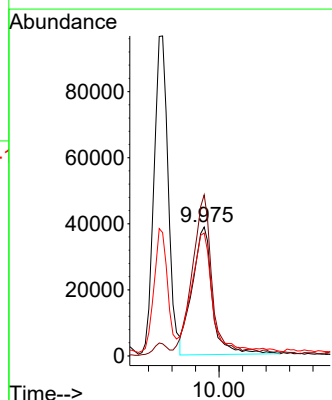
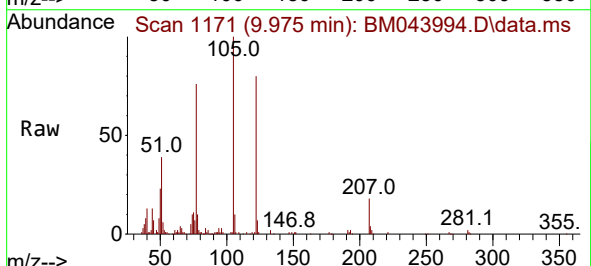
Tgt Ion:122 Resp: 91508

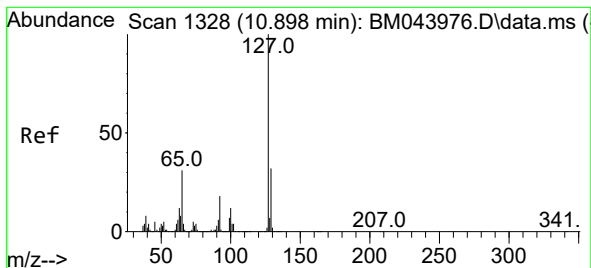
Ion Ratio Lower Upper

122 100

105 124.8 109.4 149.4

77 95.2 80.5 120.5





#33

4-Chloroaniline

Concen: 10.370 ng

RT: 10.892 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 309136

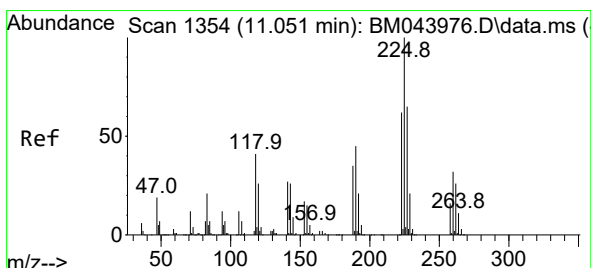
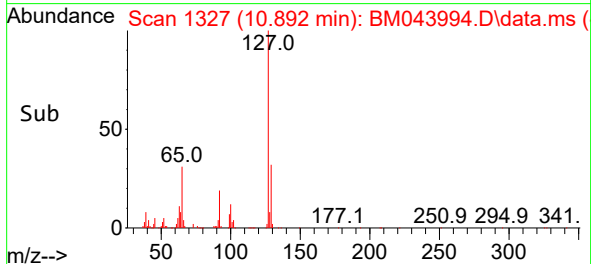
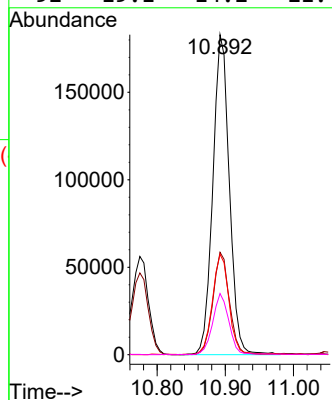
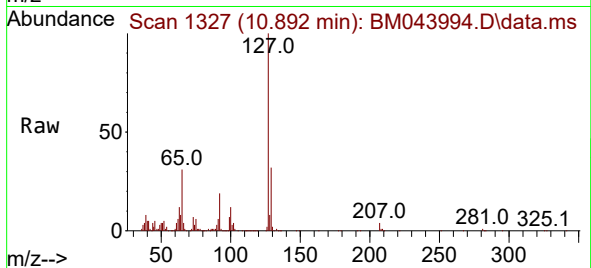
Ion Ratio Lower Upper

127 100

129 32.0 25.6 38.4

65 31.3 24.5 36.7

92 19.1 14.2 21.4



#34

Hexachlorobutadiene

Concen: 9.946 ng

RT: 11.051 min Scan# 1354

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

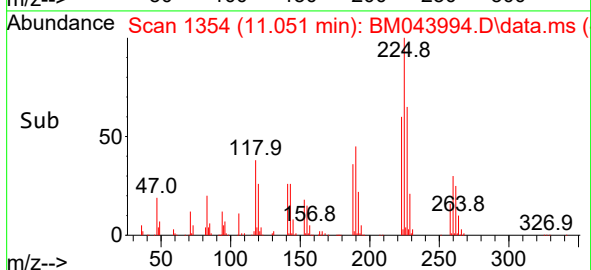
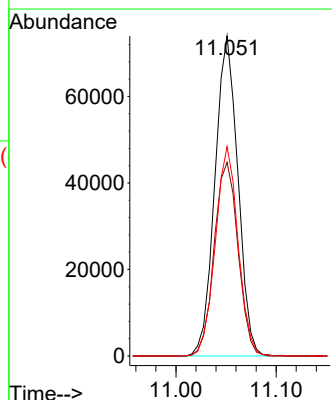
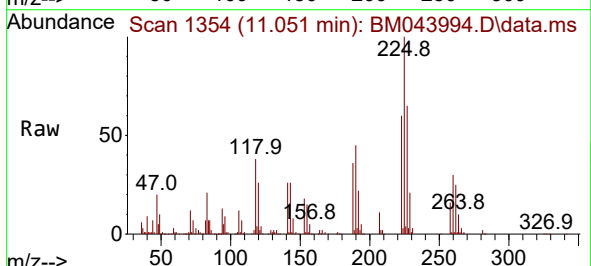
Tgt Ion:225 Resp: 117449

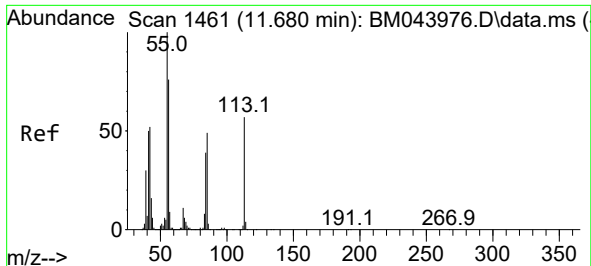
Ion Ratio Lower Upper

225 100

223 60.5 49.8 74.8

227 65.4 51.7 77.5

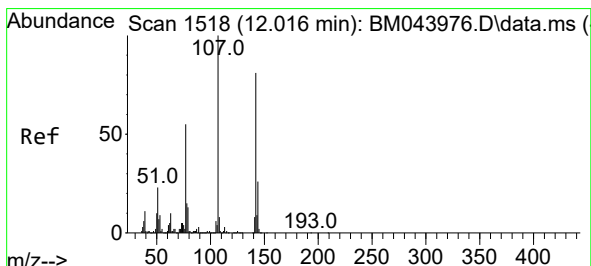
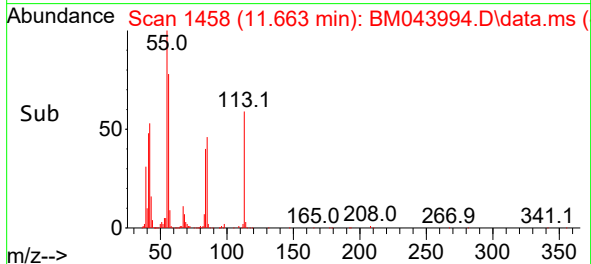
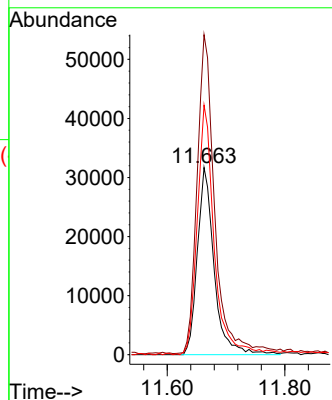
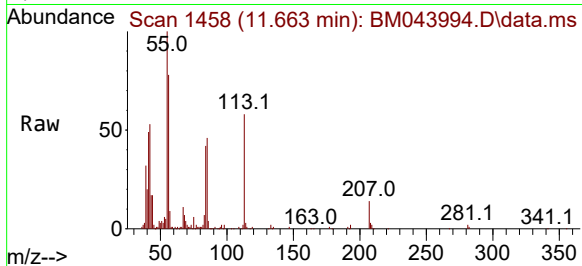




#35
Caprolactam
Concen: 8.010 ng
RT: 11.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

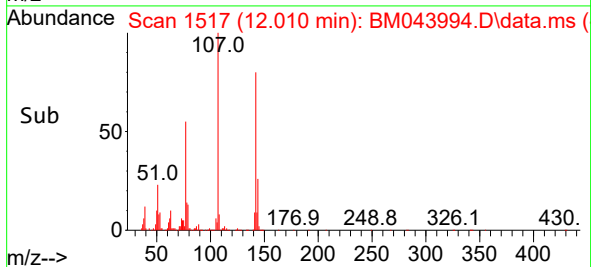
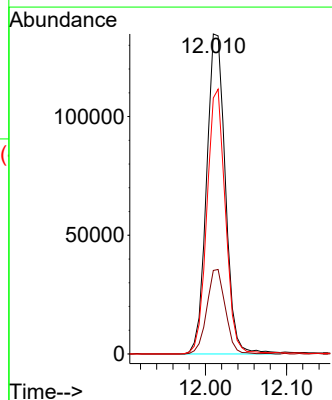
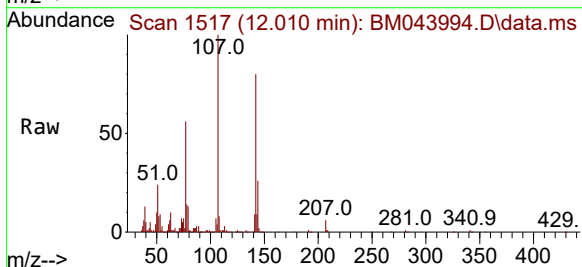
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

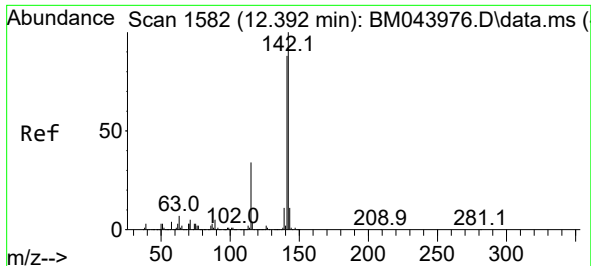
Tgt Ion:113 Resp: 62974
Ion Ratio Lower Upper
113 100
55 170.9 154.3 194.3
56 133.3 112.2 152.2



#36
4-Chloro-3-methylphenol
Concen: 9.242 ng
RT: 12.010 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:107 Resp: 216974
Ion Ratio Lower Upper
107 100
144 26.1 21.1 31.7
142 80.0 65.0 97.4

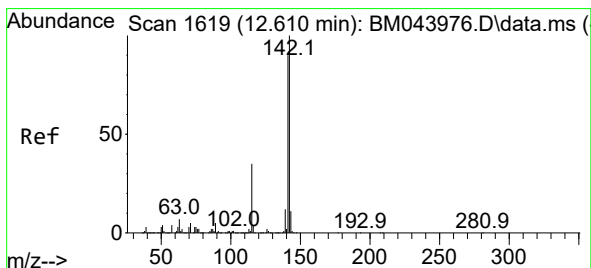
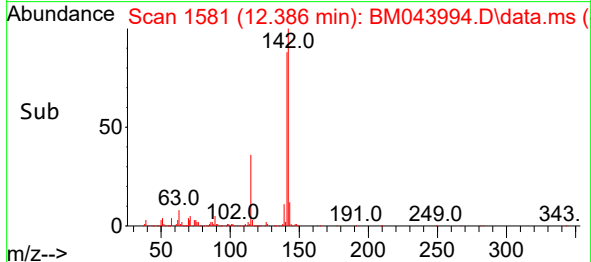
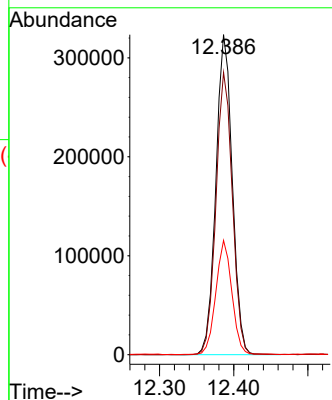
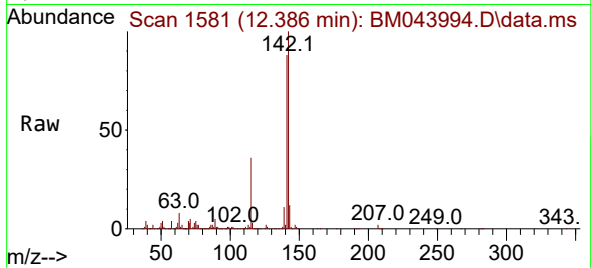




#37
2-Methylnaphthalene
Concen: 9.821 ng
RT: 12.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

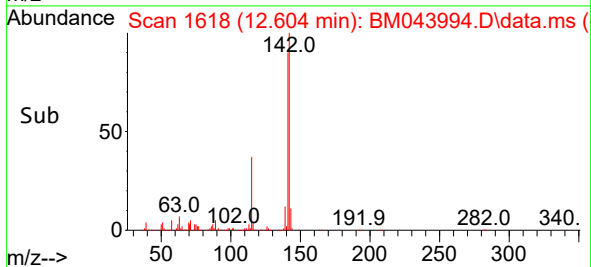
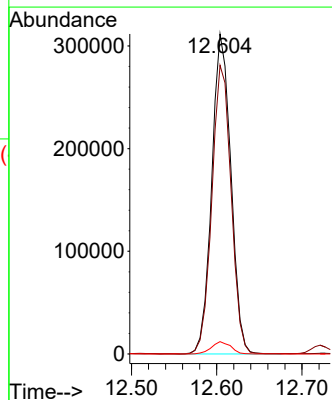
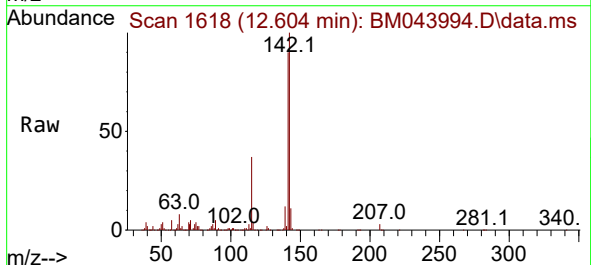
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

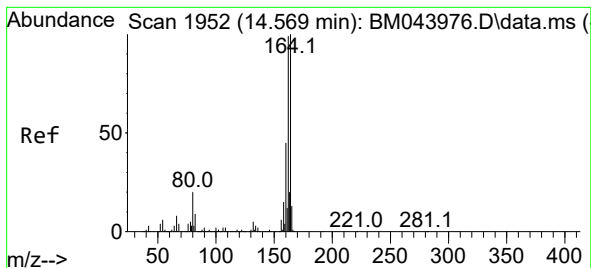
Tgt Ion:142 Resp: 496771
Ion Ratio Lower Upper
142 100
141 88.2 70.2 105.2
115 35.7 27.2 40.8



#38
1-Methylnaphthalene
Concen: 9.631 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:142 Resp: 486297
Ion Ratio Lower Upper
142 100
141 90.2 72.1 108.1
116 3.9 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

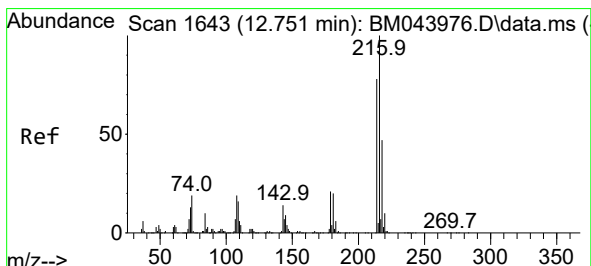
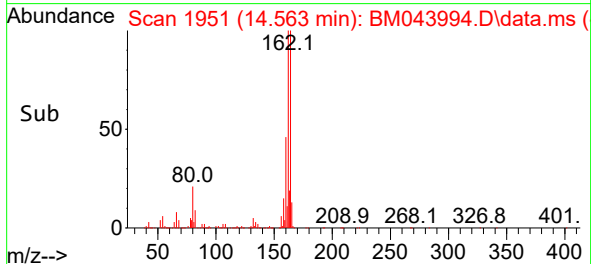
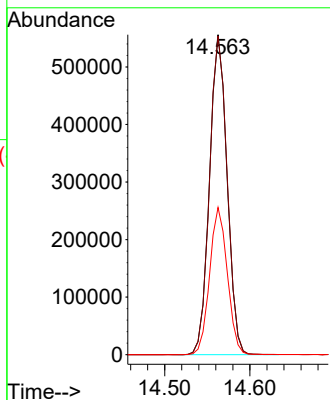
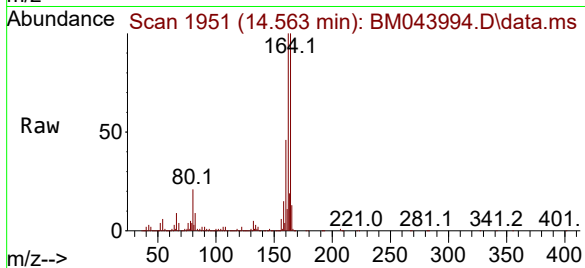
Tgt Ion:164 Resp: 796041

Ion Ratio Lower Upper

164 100

162 99.6 79.0 118.4

160 46.0 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.753 ng

RT: 12.751 min Scan# 1643

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Tgt Ion:216 Resp: 242765

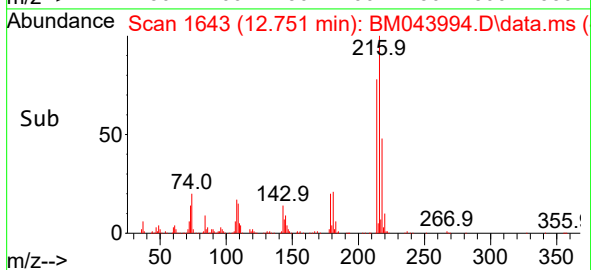
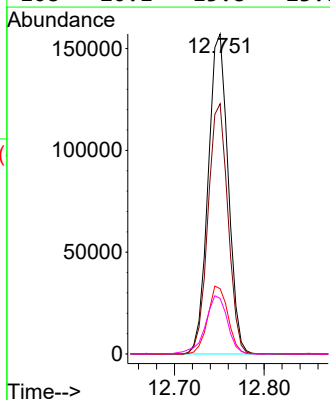
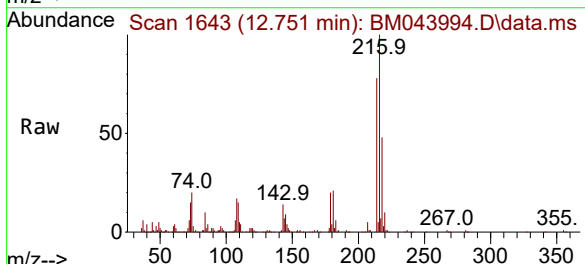
Ion Ratio Lower Upper

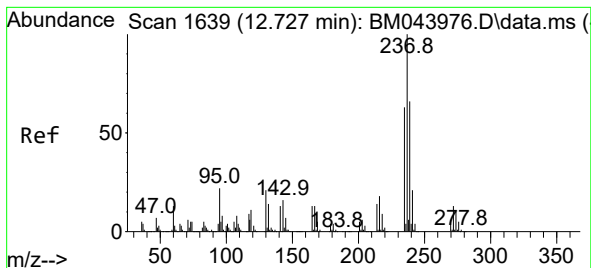
216 100

214 78.1 62.6 94.0

179 21.5 16.7 25.1

108 20.1 15.8 23.8





#41

Hexachlorocyclopentadiene

Concen: 11.759 ng

RT: 12.721 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

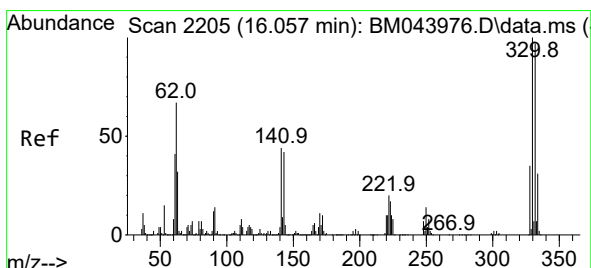
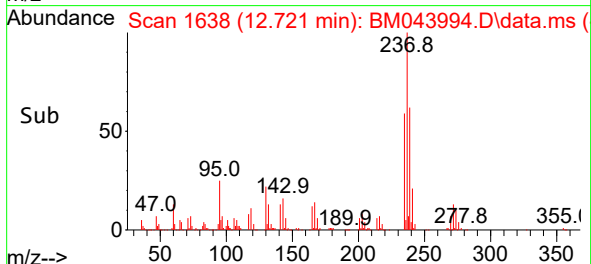
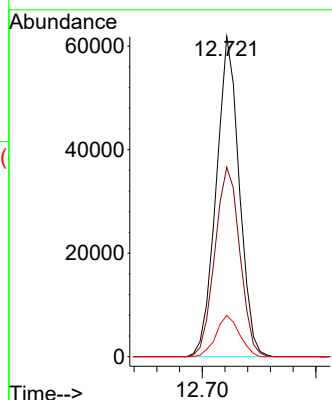
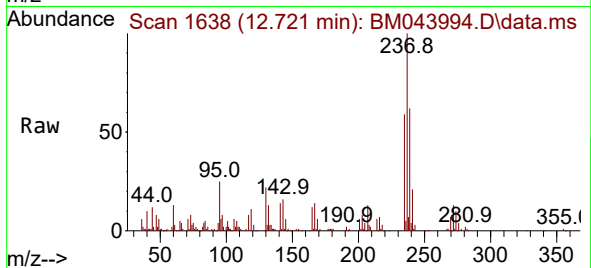
Tgt Ion:237 Resp: 87317

Ion Ratio Lower Upper

237 100

235 59.2 43.5 83.5

272 12.9 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 127.755 ng

RT: 16.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

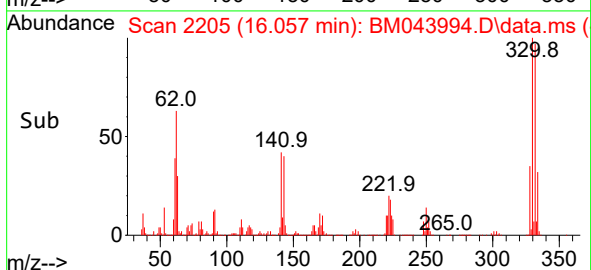
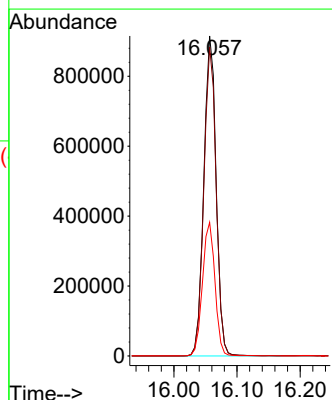
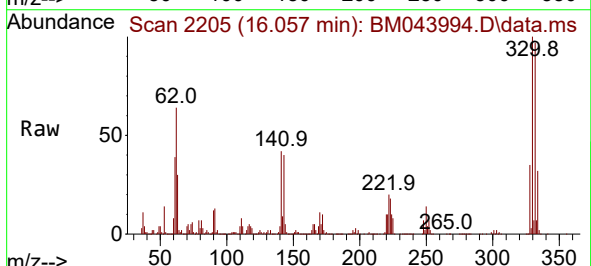
Tgt Ion:330 Resp: 1239689

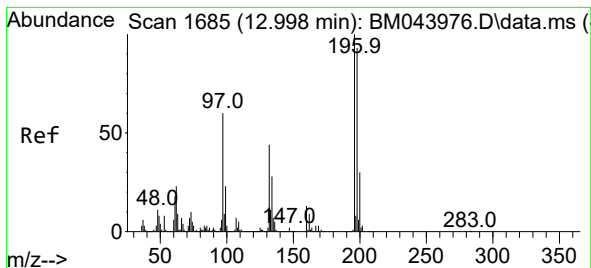
Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 42.2 33.5 50.3





#43

2,4,6-Trichlorophenol

Concen: 9.446 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

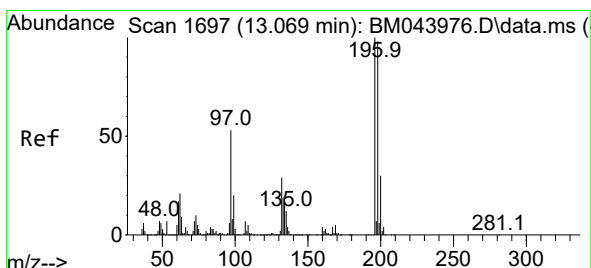
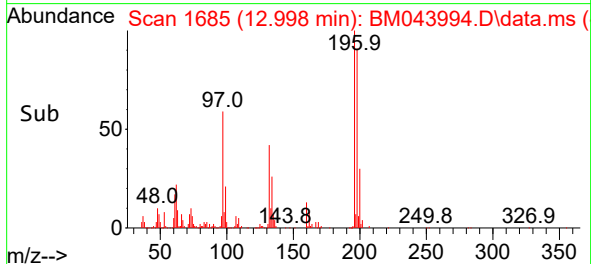
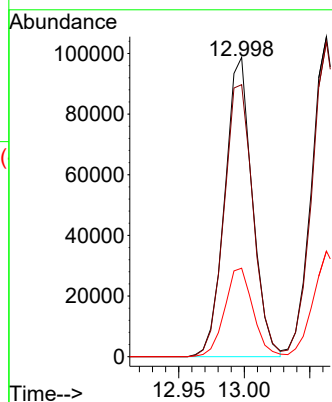
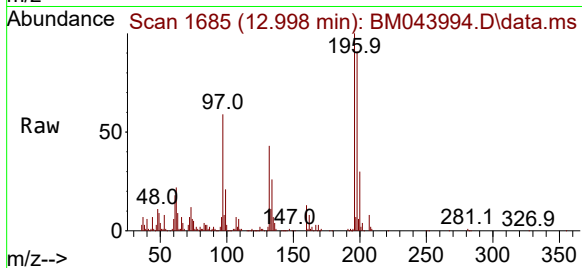
Tgt Ion:196 Resp: 144118

Ion Ratio Lower Upper

196 100

198 90.9 74.2 111.2

200 29.5 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 9.306 ng

RT: 13.063 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Tgt Ion:196 Resp: 162002

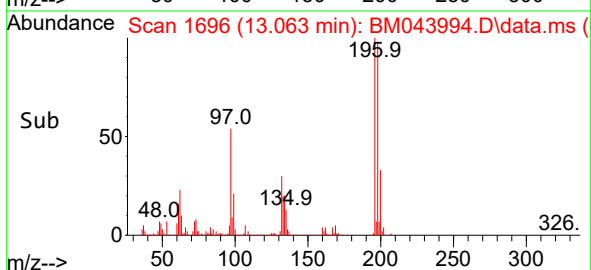
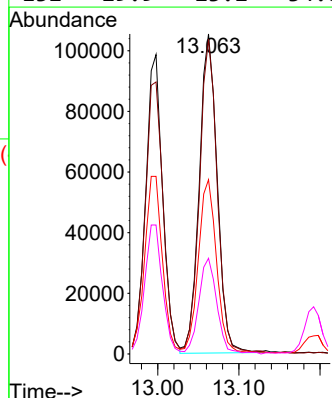
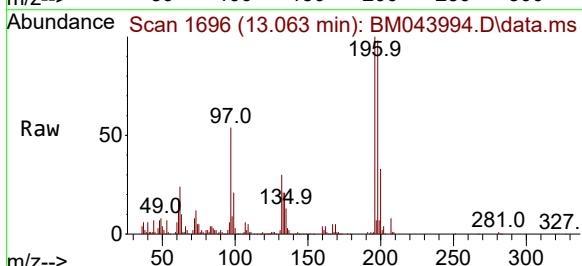
Ion Ratio Lower Upper

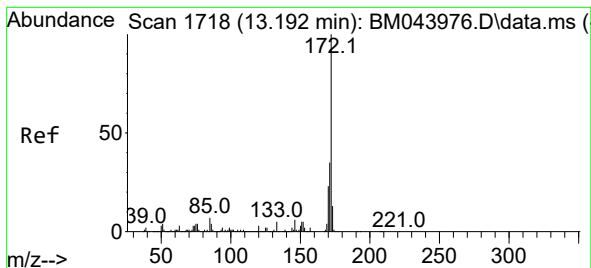
196 100

198 98.3 78.1 117.1

97 54.4 42.2 63.2

132 29.9 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 86.546 ng

RT: 13.192 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

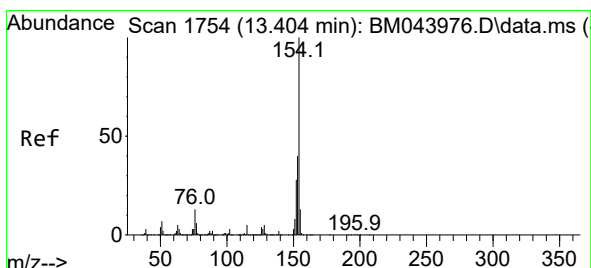
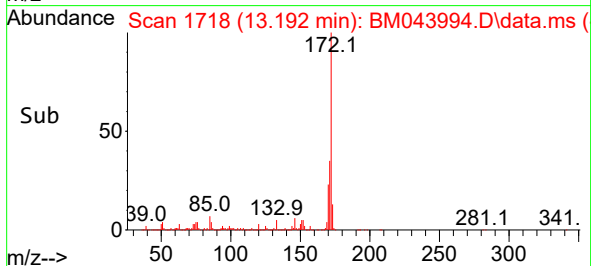
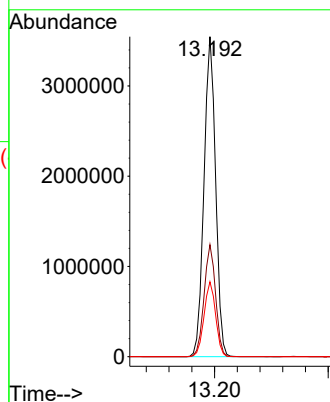
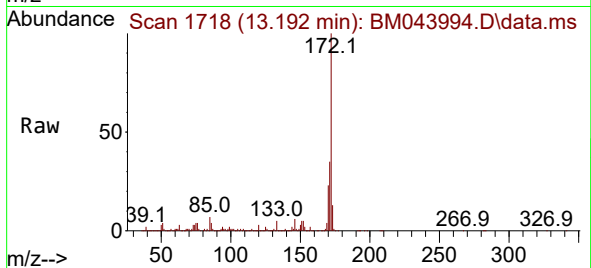
Tgt Ion:172 Resp: 5013874

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 10.613 ng

RT: 13.404 min Scan# 1754

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

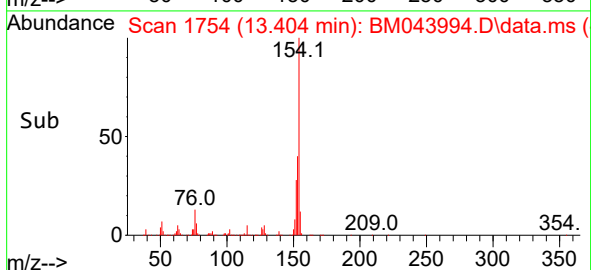
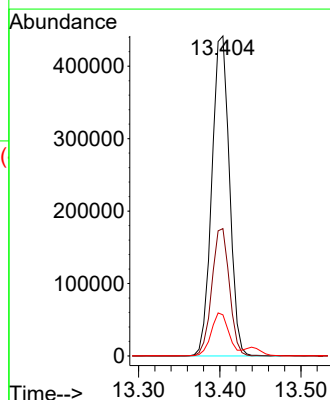
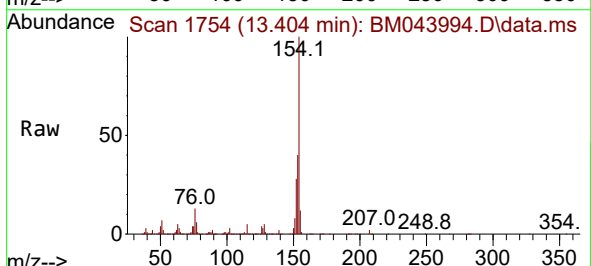
Tgt Ion:154 Resp: 664345

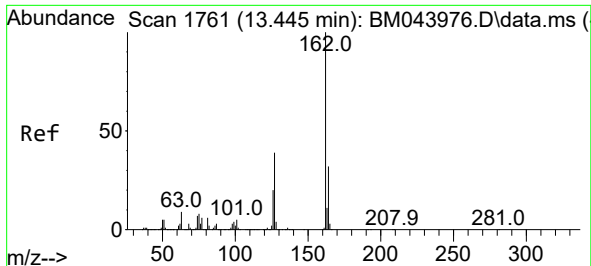
Ion Ratio Lower Upper

154 100

153 39.8 19.8 59.8

76 12.9 0.0 33.0

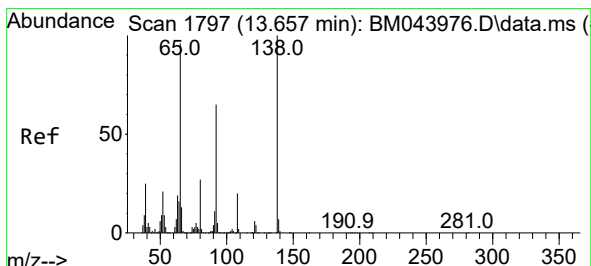
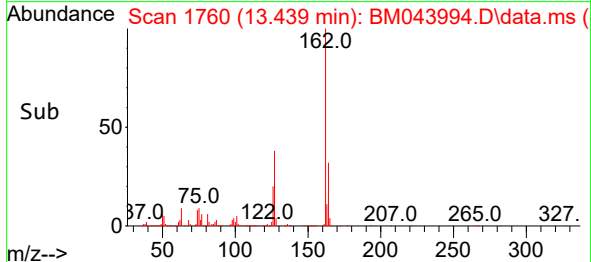
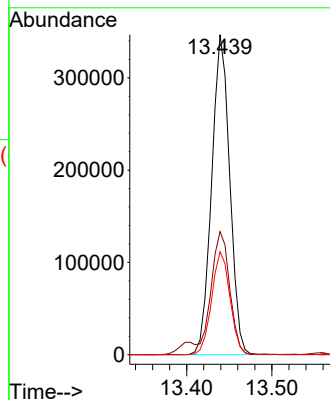
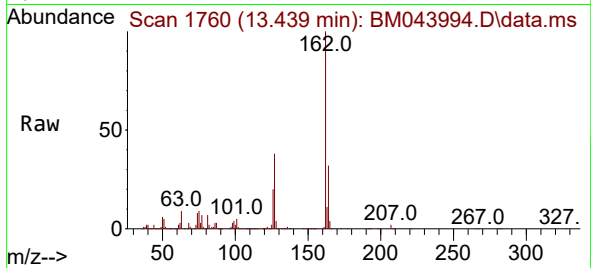




#47
2-Chloronaphthalene
Concen: 10.240 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

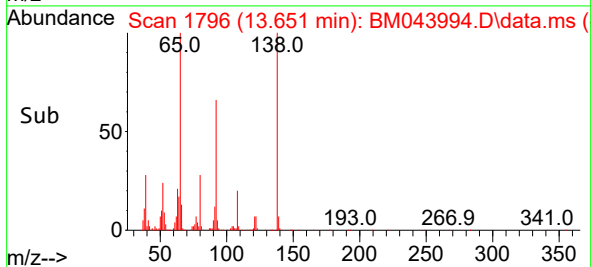
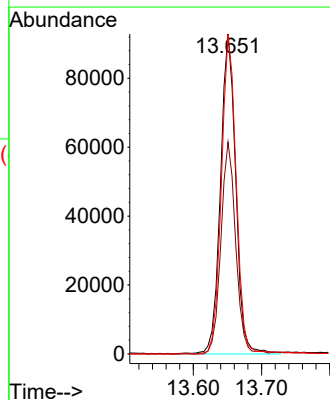
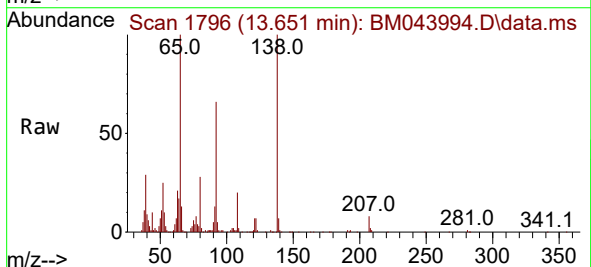
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

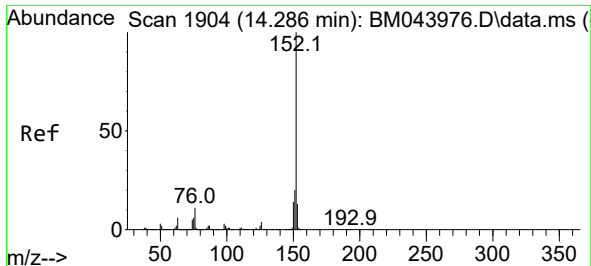
Tgt Ion:162 Resp: 511209
Ion Ratio Lower Upper
162 100
127 38.5 31.0 46.6
164 32.1 25.8 38.6



#48
2-Nitroaniline
Concen: 8.907 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion: 65 Resp: 144627
Ion Ratio Lower Upper
65 100
92 66.2 53.6 80.4
138 99.9 83.0 124.6

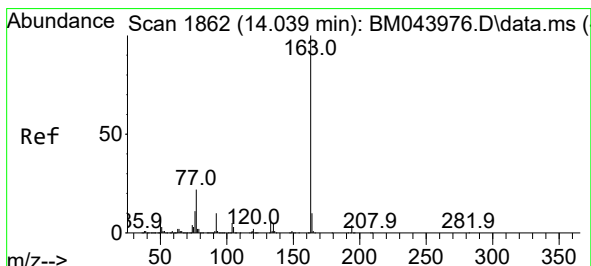
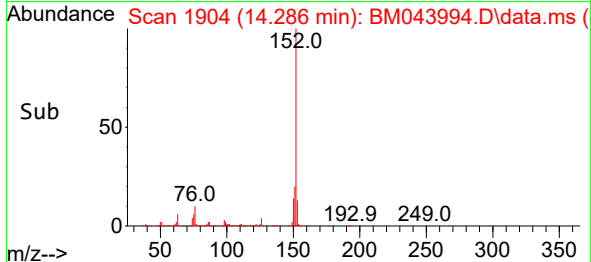
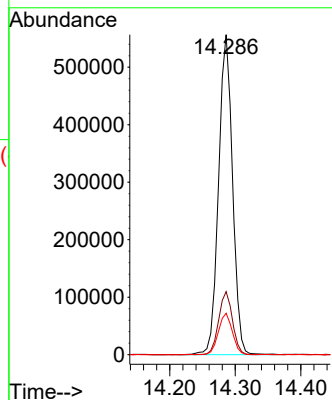
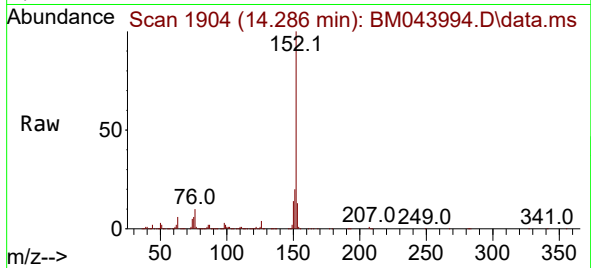




#49
Acenaphthylene
Concen: 10.742 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

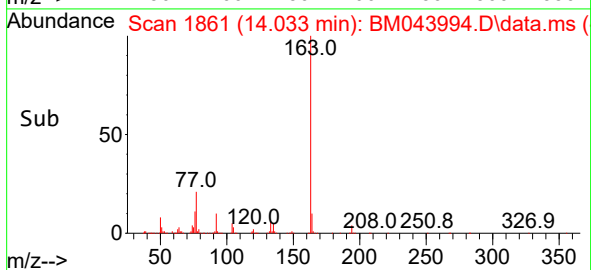
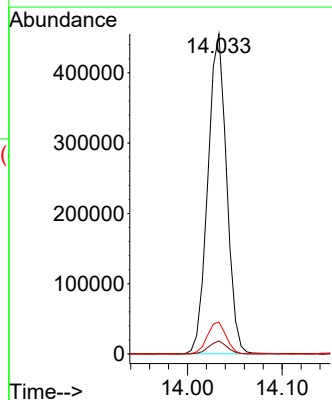
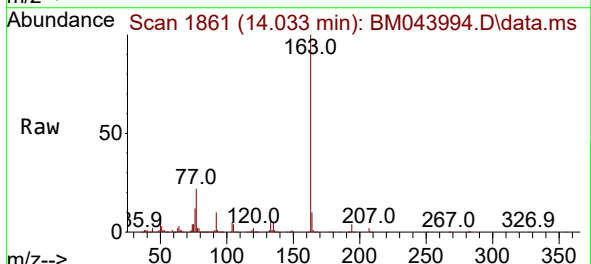
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

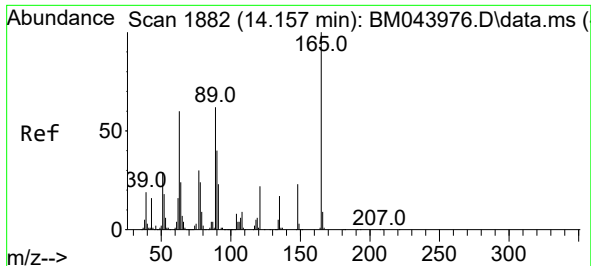
Tgt Ion:152 Resp: 819772
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 10.146 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:163 Resp: 627329
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.0 12.0

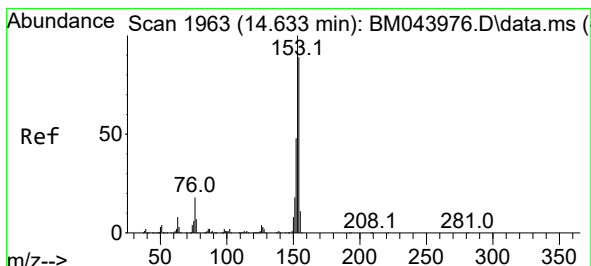
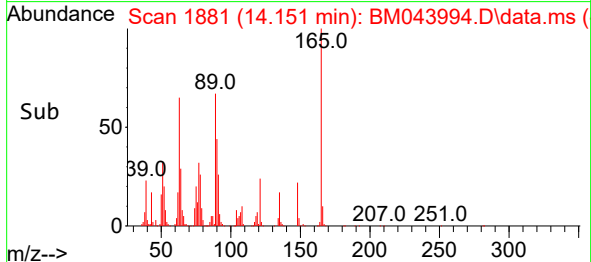
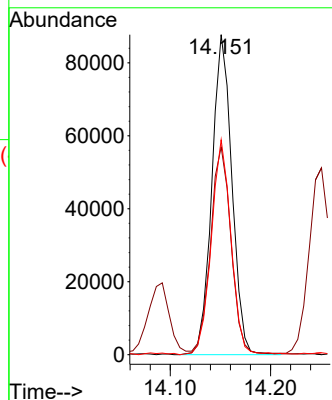
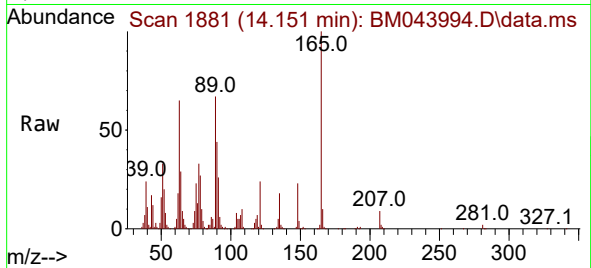




#51
2,6-Dinitrotoluene
Concen: 8.938 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

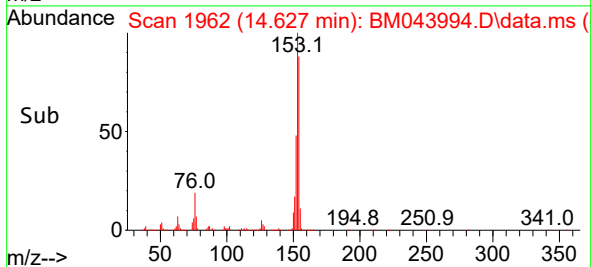
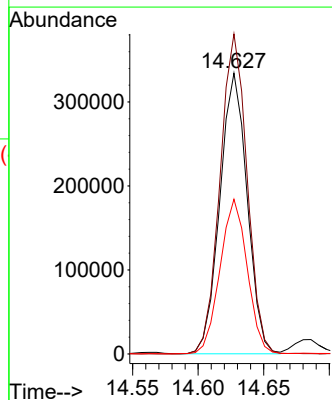
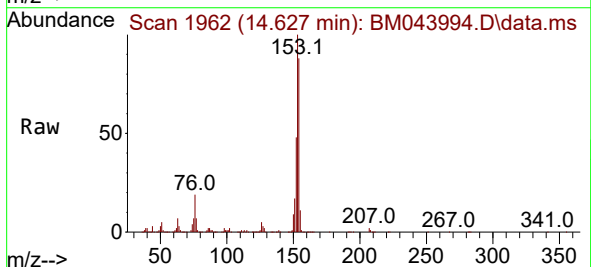
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

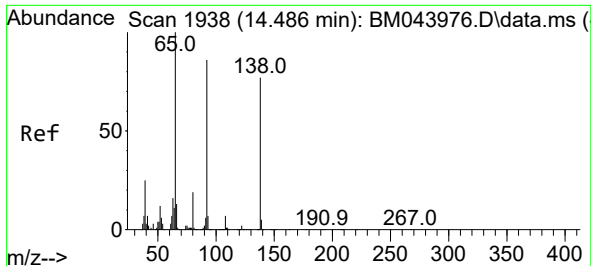
Tgt Ion:165 Resp: 121477
Ion Ratio Lower Upper
165 100
63 64.9 51.1 76.7
89 67.2 49.5 74.3



#52
Acenaphthene
Concen: 9.999 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:154 Resp: 483724
Ion Ratio Lower Upper
154 100
153 114.0 90.1 135.1
152 55.1 43.6 65.4

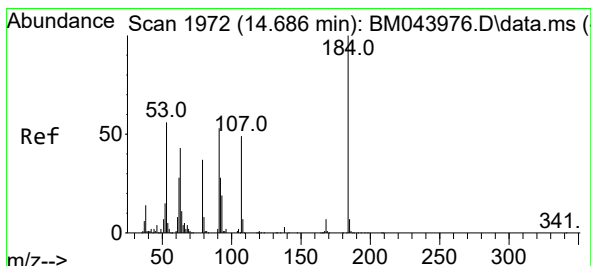
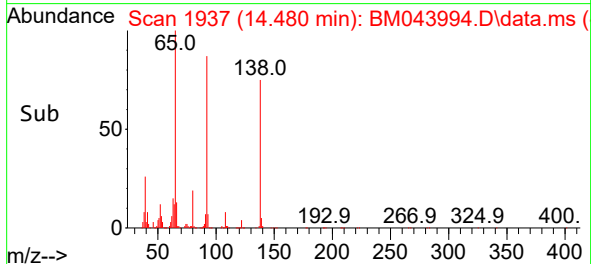
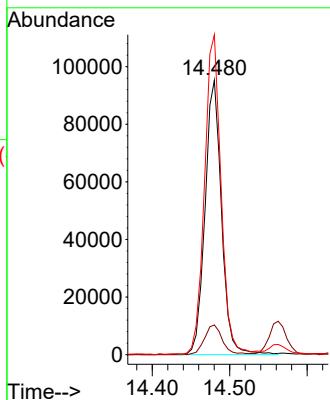
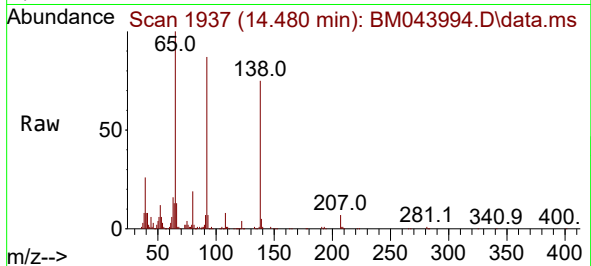




#53
3-Nitroaniline
Concen: 8.936 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

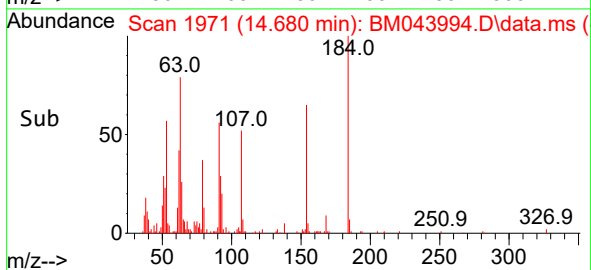
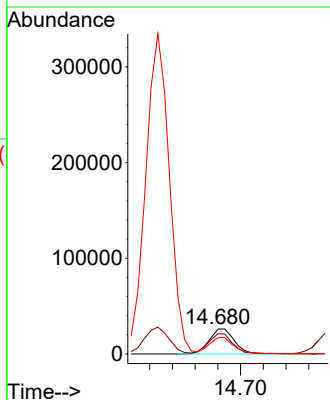
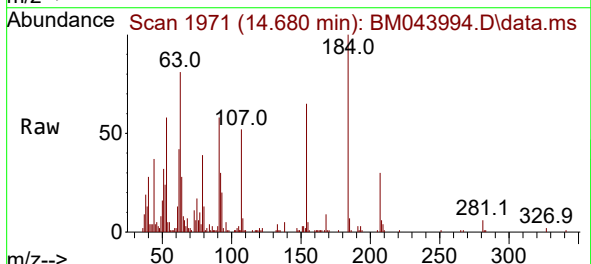
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

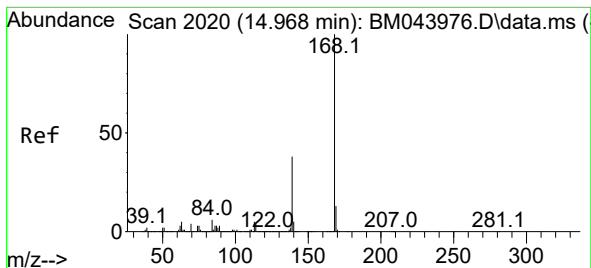
Tgt Ion:138 Resp: 140999
Ion Ratio Lower Upper
138 100
108 10.8 7.8 11.6
92 116.6 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 11.752 ng
RT: 14.680 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:184 Resp: 40229
Ion Ratio Lower Upper
184 100
63 80.7 62.8 94.2
154 65.1 51.4 77.2





#55

Dibenzenofuran

Concen: 10.428 ng

RT: 14.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

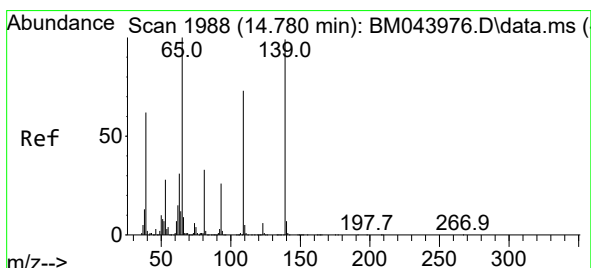
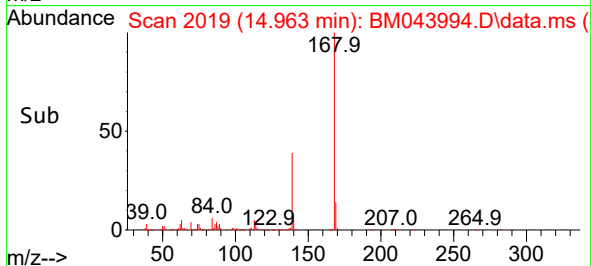
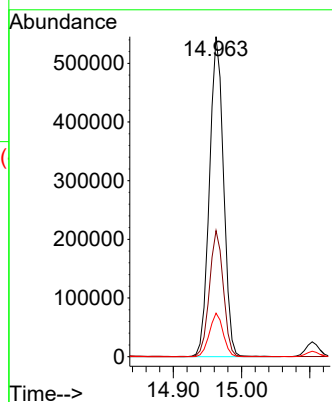
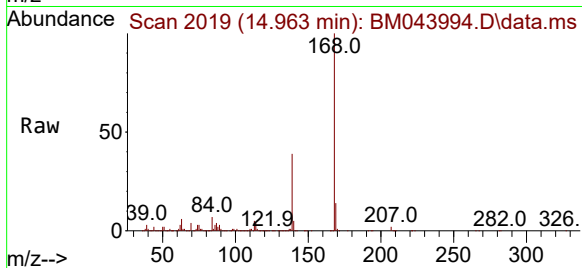
Tgt Ion:168 Resp: 785052

Ion Ratio Lower Upper

168 100

139 39.4 30.7 46.1

169 13.6 10.5 15.7



#56

4-Nitrophenol

Concen: 8.149 ng

RT: 14.780 min Scan# 1988

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

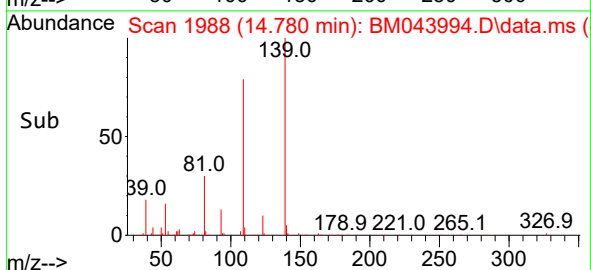
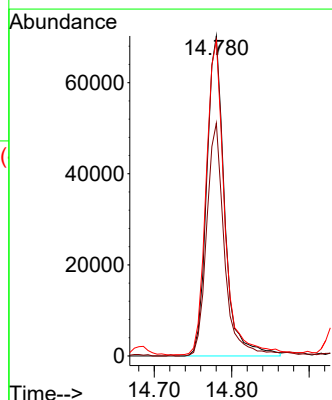
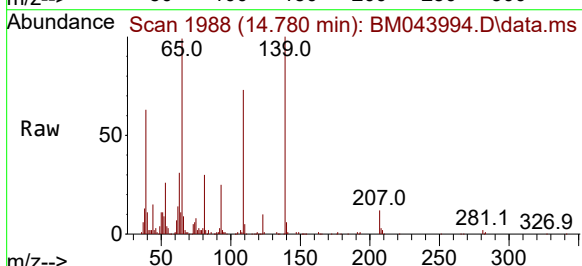
Tgt Ion:139 Resp: 112371

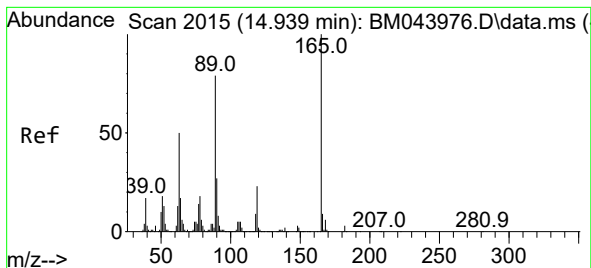
Ion Ratio Lower Upper

139 100

109 72.8 53.2 93.2

65 98.6 80.7 120.7

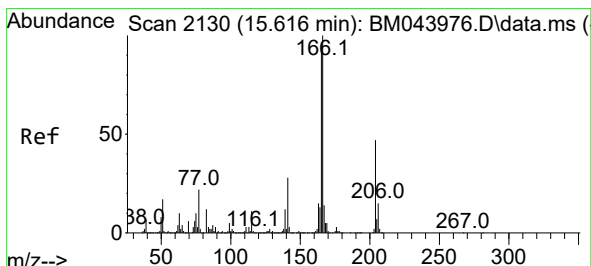
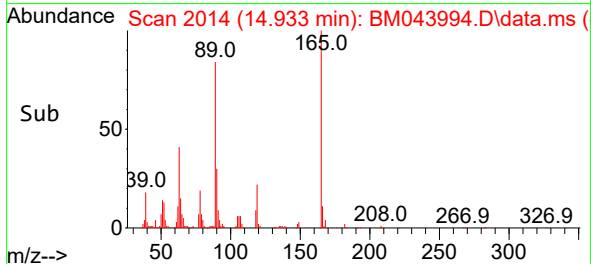
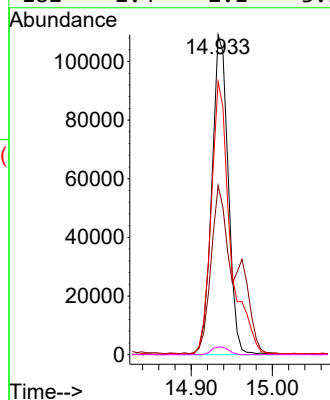
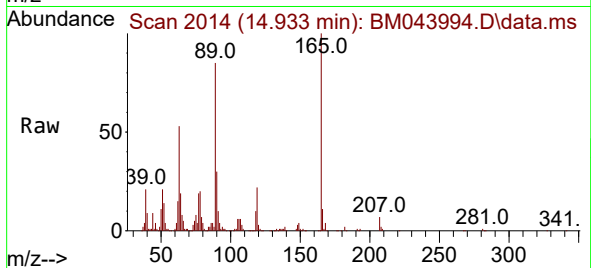




#57
2,4-Dinitrotoluene
Concen: 8.072 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

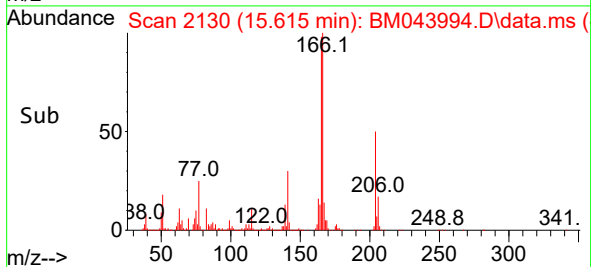
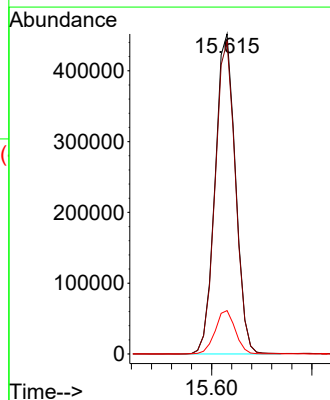
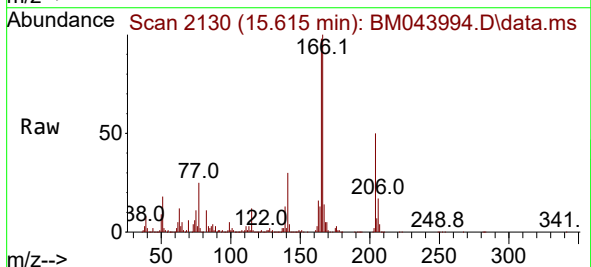
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

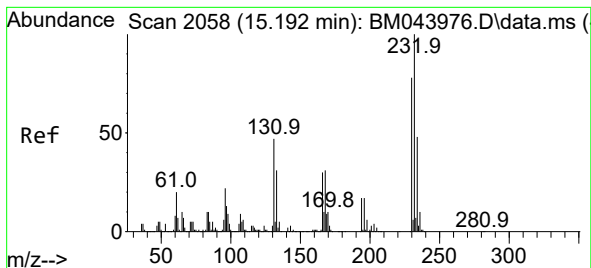
Tgt Ion:165 Resp: 152714
Ion Ratio Lower Upper
165 100
63 52.8 40.2 60.4
89 85.3 63.3 94.9
182 2.4 2.1 3.1



#58
Fluorene
Concen: 10.002 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:166 Resp: 635915
Ion Ratio Lower Upper
166 100
165 97.6 76.3 114.5
167 13.6 10.9 16.3

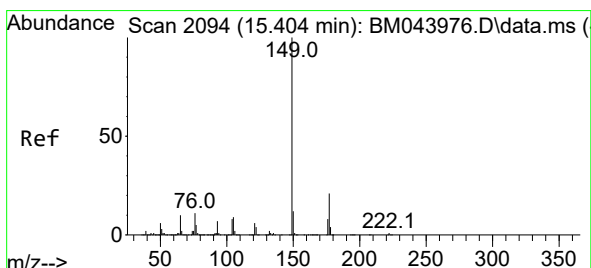
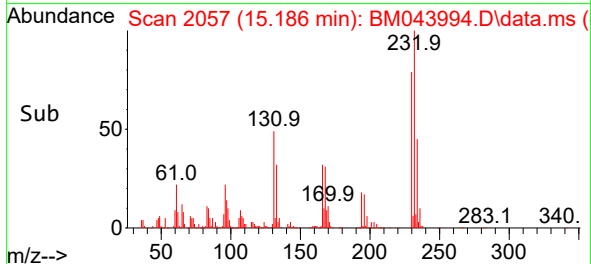
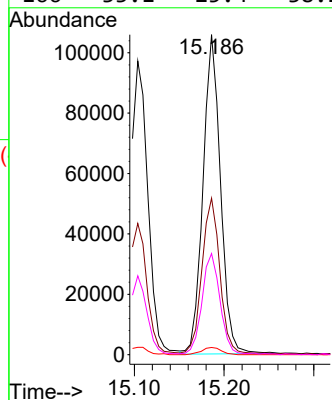
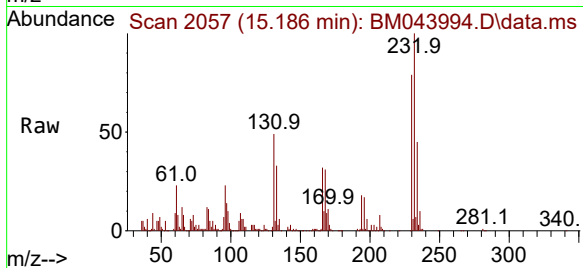




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.542 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

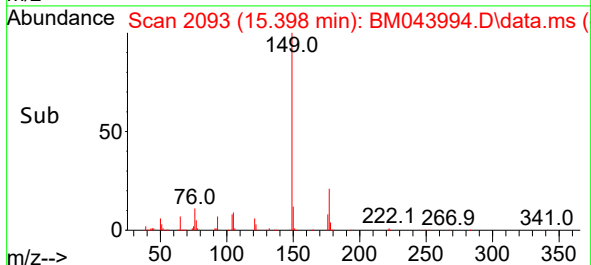
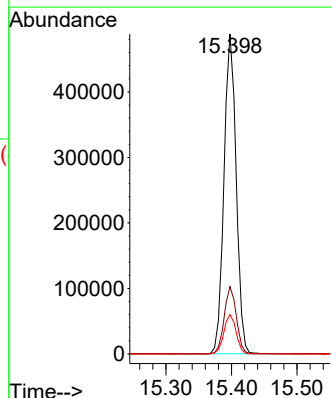
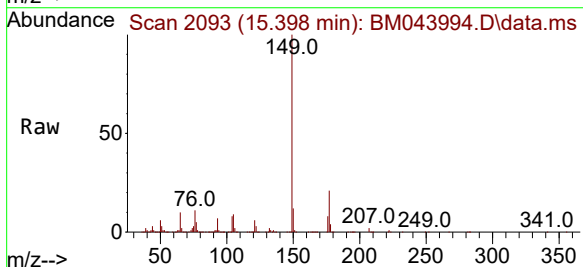
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

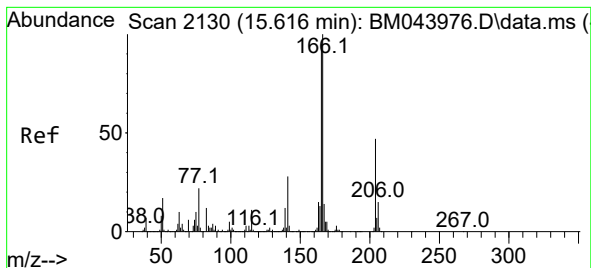
Tgt Ion:232 Resp: 143198
Ion Ratio Lower Upper
232 100
131 51.6 39.8 59.6
130 2.6 2.0 3.0
166 33.1 25.4 38.2



#60
Diethylphthalate
Concen: 9.784 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:149 Resp: 626282
Ion Ratio Lower Upper
149 100
177 21.1 17.1 25.7
150 12.3 9.8 14.6

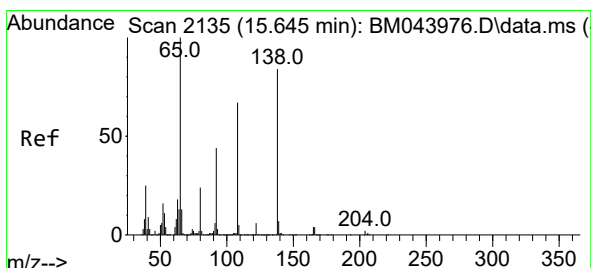
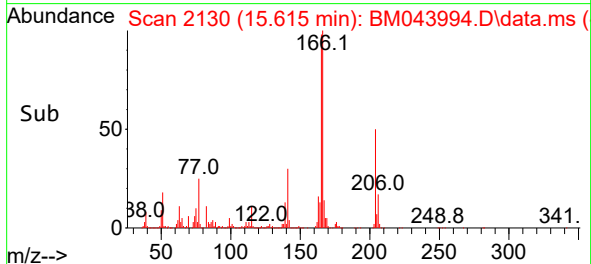
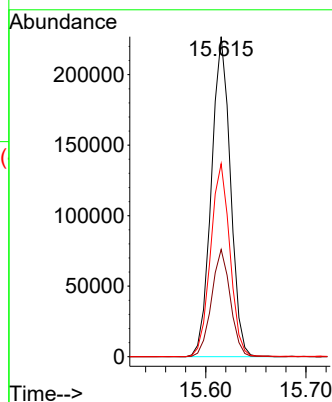
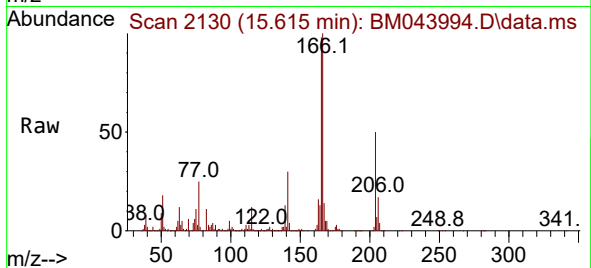




#61
4-Chlorophenyl-phenylether
Concen: 10.114 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

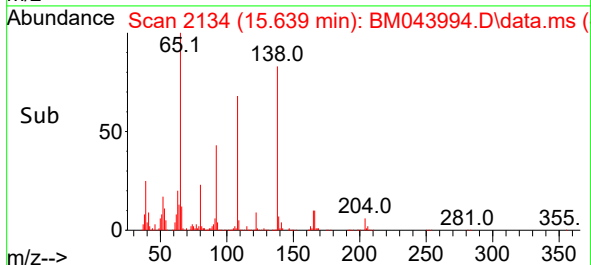
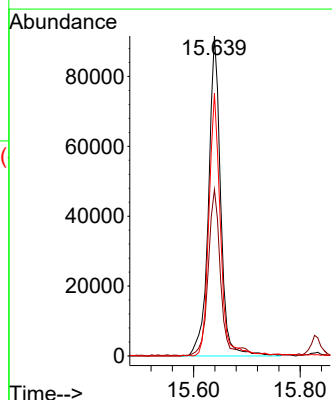
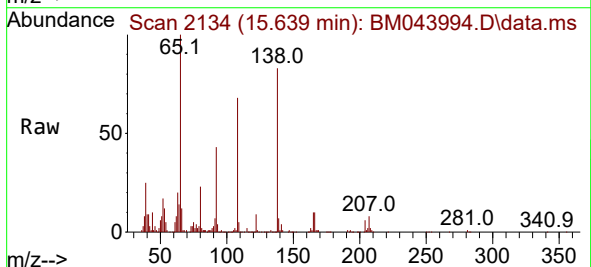
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

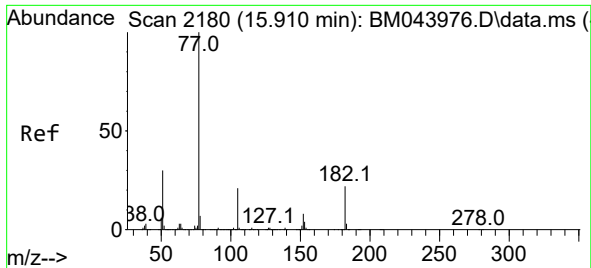
Tgt Ion:204 Resp: 299996
Ion Ratio Lower Upper
204 100
206 33.5 26.2 39.2
141 60.3 48.6 72.8



#62
4-Nitroaniline
Concen: 8.393 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:138 Resp: 144802
Ion Ratio Lower Upper
138 100
92 52.0 32.7 72.7
108 82.1 60.0 100.0

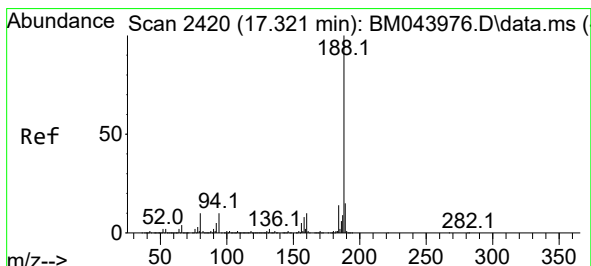
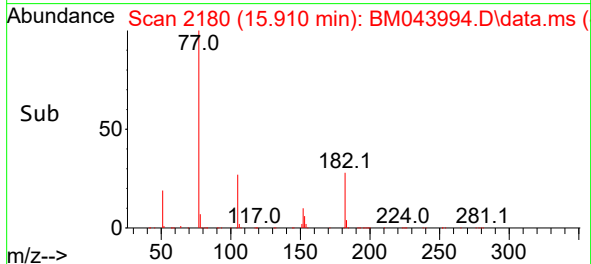
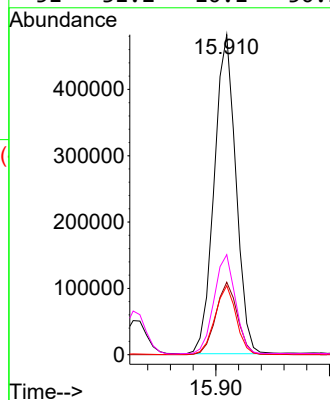
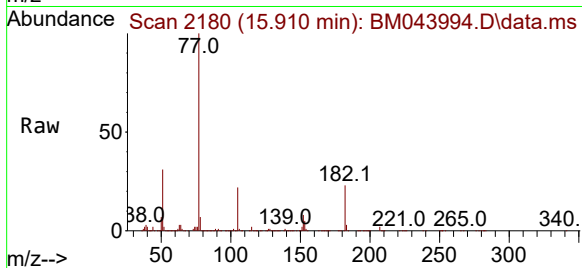




#63
Azobenzene
Concen: 9.966 ng
RT: 15.910 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

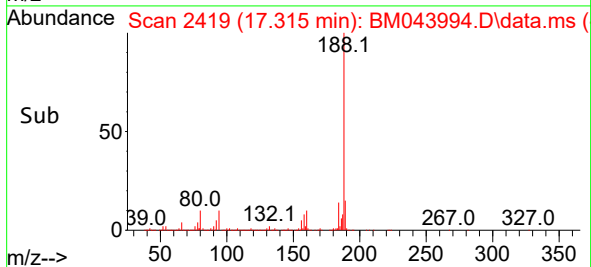
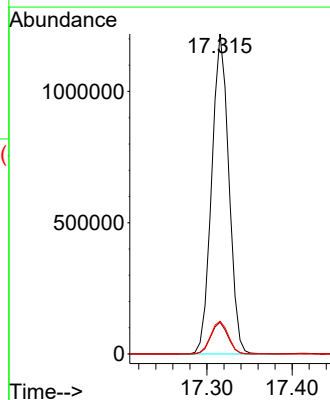
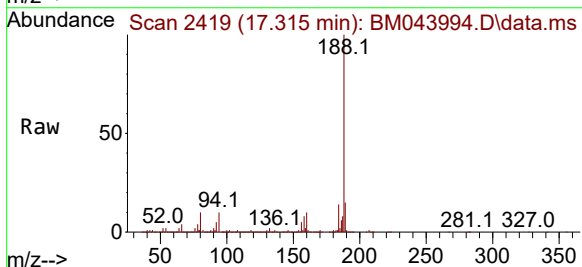
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2024

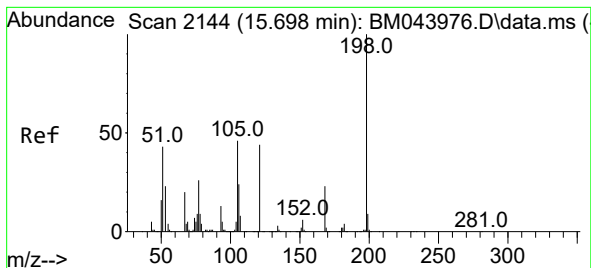
Tgt Ion: 77	Resp: 637169
Ion Ratio	Lower Upper
77 100	
182 22.6	2.0 42.0
105 21.6	0.5 40.5
51 31.2	10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:188	Resp: 1703625		
Ion Ratio	Lower	Upper	
188 100			
94 9.9	7.7	11.5	
80 10.3	8.2	12.4	

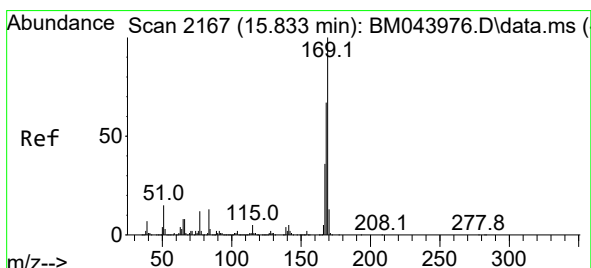
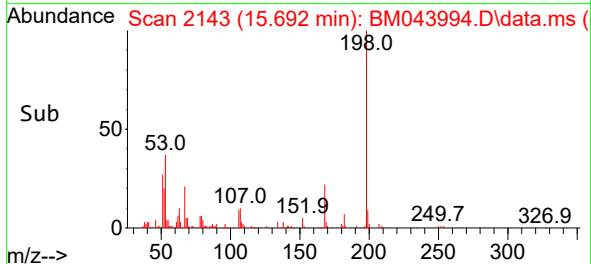
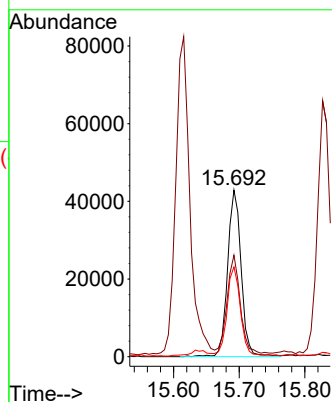
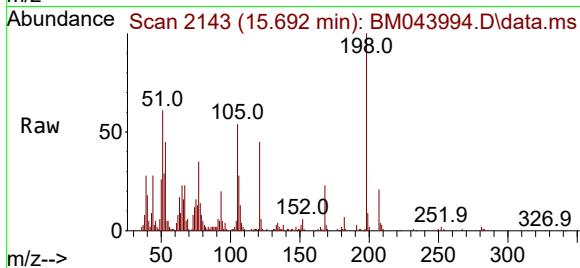




#65
4,6-Dinitro-2-methylphenol
Concen: 11.287 ng
RT: 15.692 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

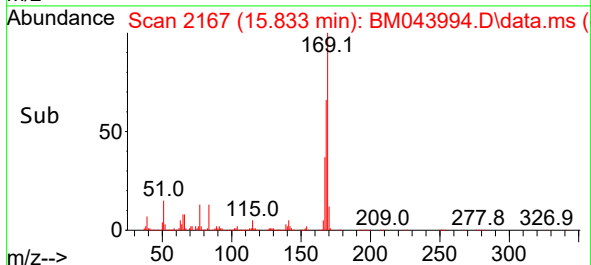
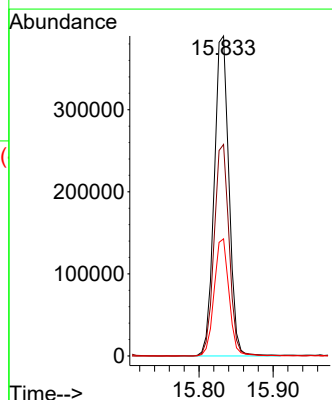
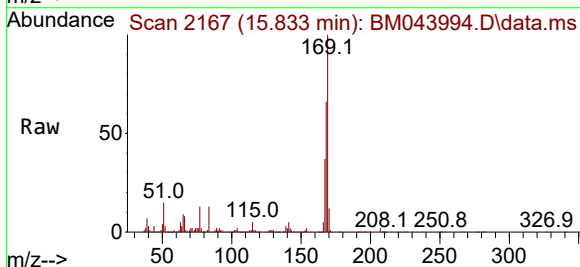
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

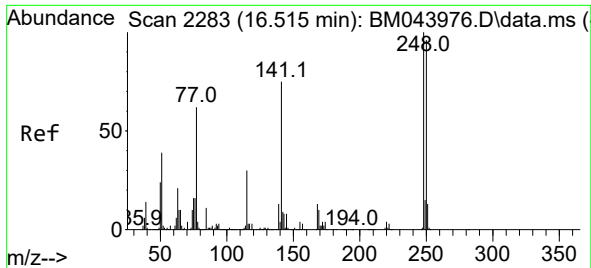
Tgt Ion:198 Resp: 61510
Ion Ratio Lower Upper
198 100
51 60.9 31.9 71.9
105 53.8 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 10.605 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:169 Resp: 538157
Ion Ratio Lower Upper
169 100
168 66.1 53.4 80.2
167 36.6 29.0 43.4

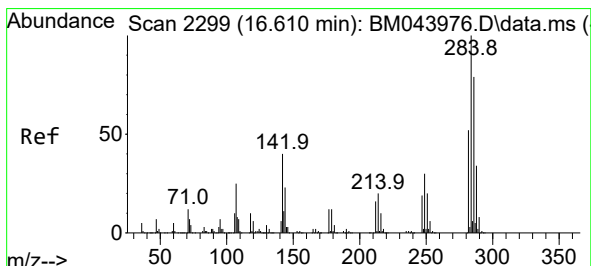
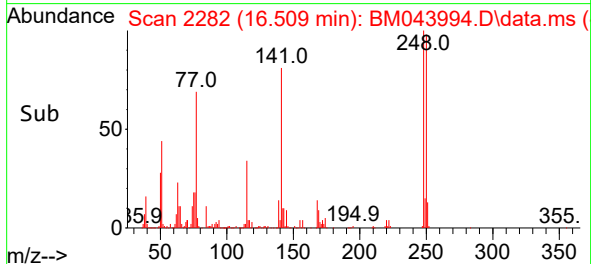
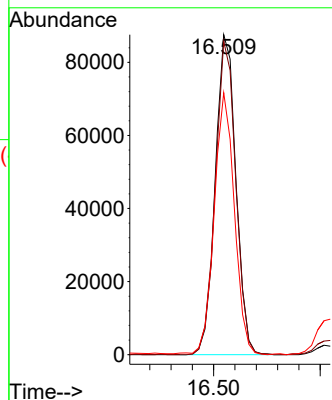
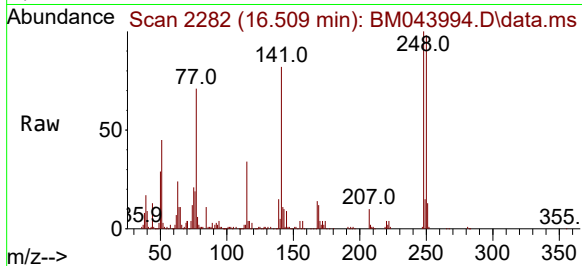




#67
4-Bromophenyl-phenylether
Concen: 6.988 ng
RT: 16.509 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

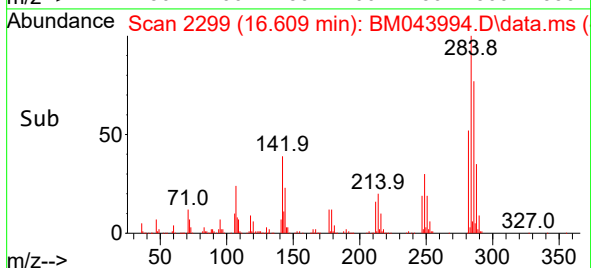
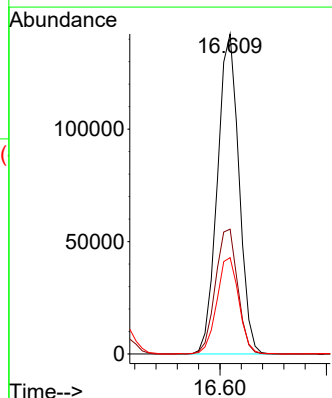
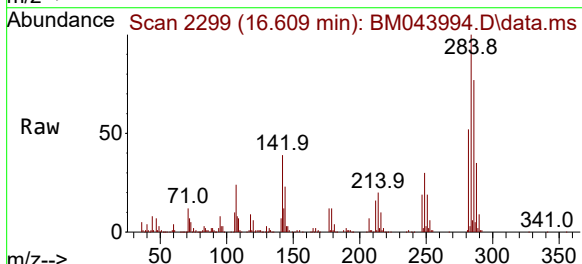
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

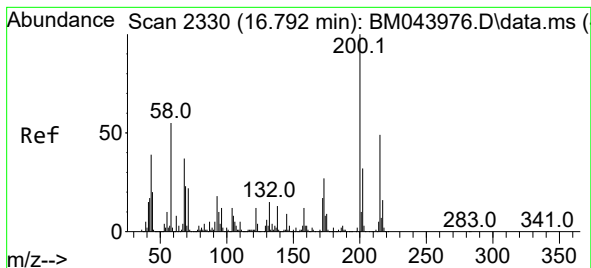
Tgt Ion:248 Resp: 117275
Ion Ratio Lower Upper
248 100
250 98.0 77.0 115.4
141 81.8 59.9 89.9



#68
Hexachlorobenzene
Concen: 9.968 ng
RT: 16.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:284 Resp: 199463
Ion Ratio Lower Upper
284 100
142 39.0 32.2 48.4
249 30.1 24.4 36.6





#69

Atrazine

Concen: 12.221 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

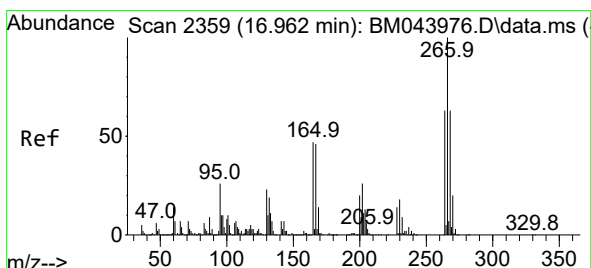
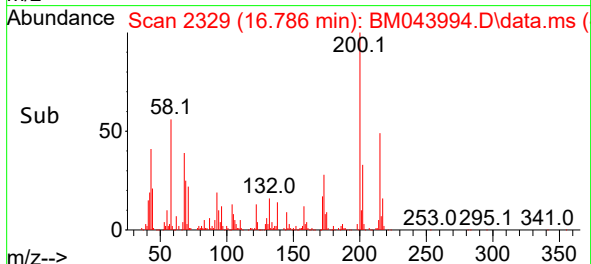
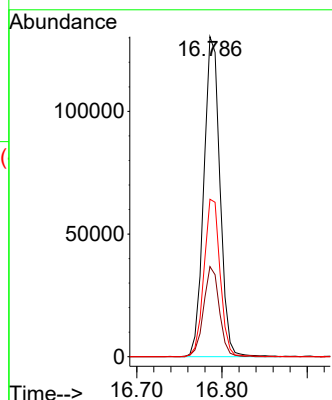
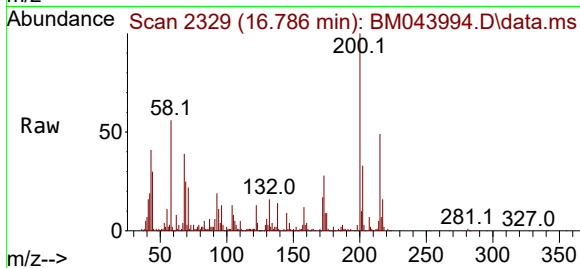
Tgt Ion:200 Resp: 171579

Ion Ratio Lower Upper

200 100

173 28.1 7.3 47.3

215 49.2 28.7 68.7



#70

Pentachlorophenol

Concen: 7.655 ng

RT: 16.956 min Scan# 2358

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

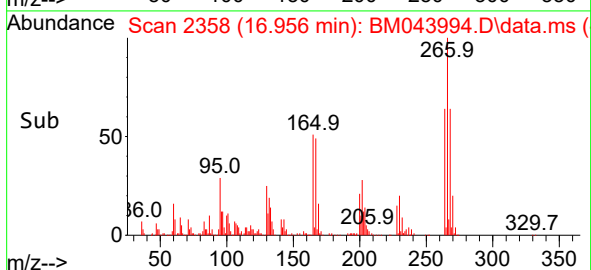
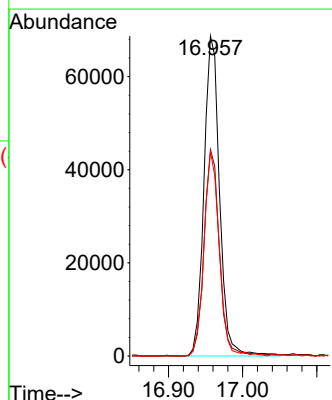
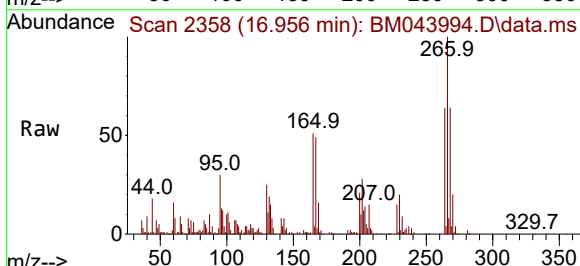
Tgt Ion:266 Resp: 100582

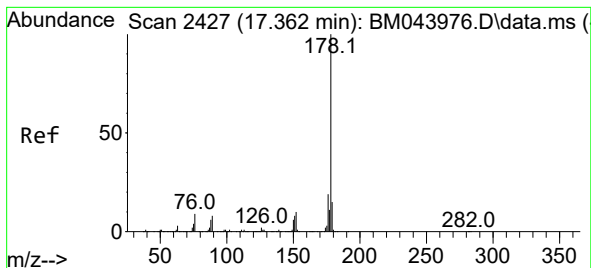
Ion Ratio Lower Upper

266 100

268 64.5 50.6 76.0

264 63.8 50.6 76.0





#71

Phenanthrene

Concen: 10.605 ng

RT: 17.356 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

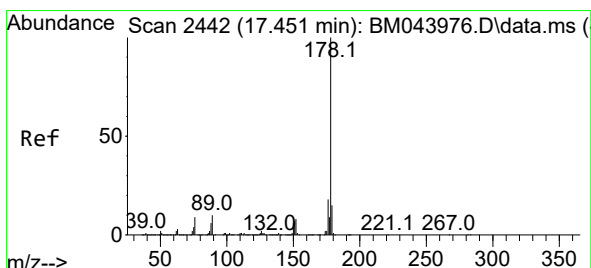
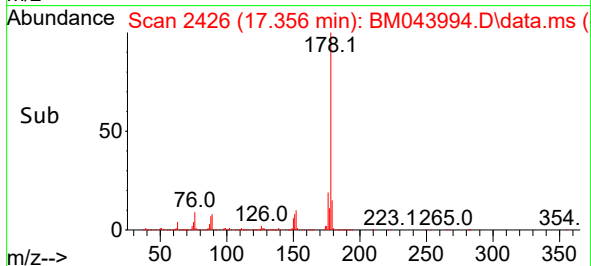
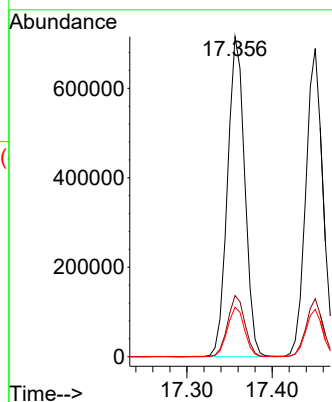
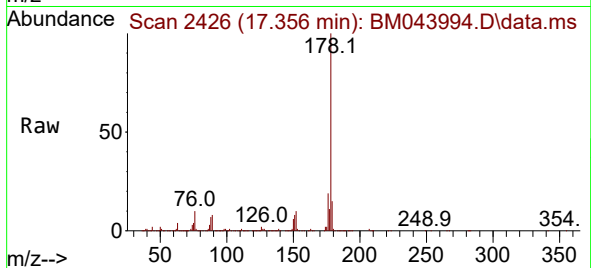
Tgt Ion:178 Resp: 1006288

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.4 12.4 18.6



#72

Anthracene

Concen: 10.416 ng

RT: 17.451 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

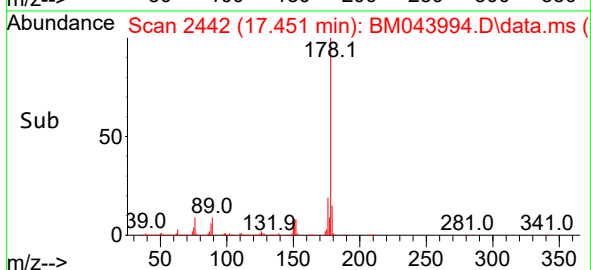
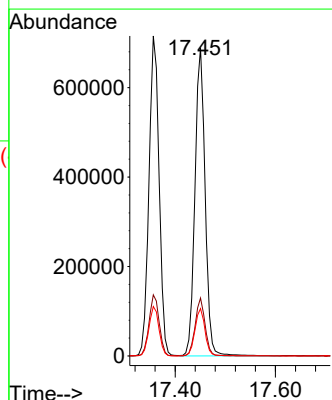
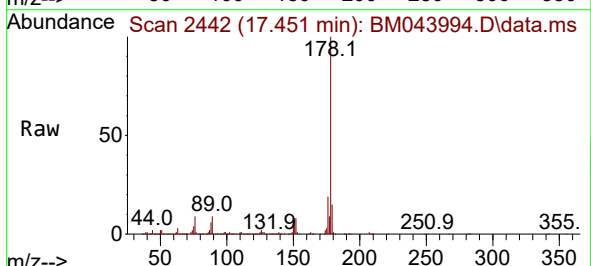
Tgt Ion:178 Resp: 967661

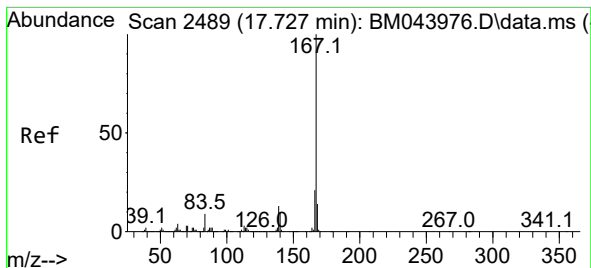
Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

179 15.4 12.2 18.4





#73

Carbazole

Concen: 9.872 ng

RT: 17.727 min Scan# 2489

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

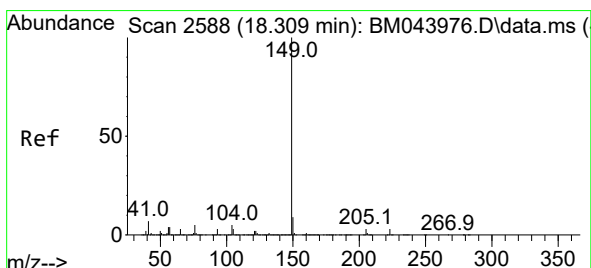
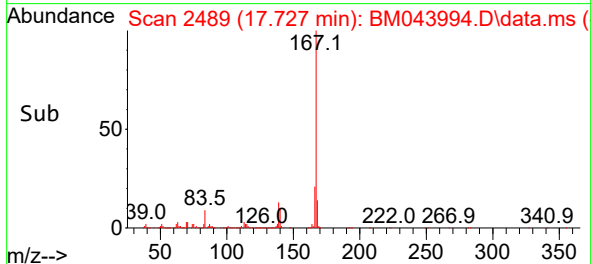
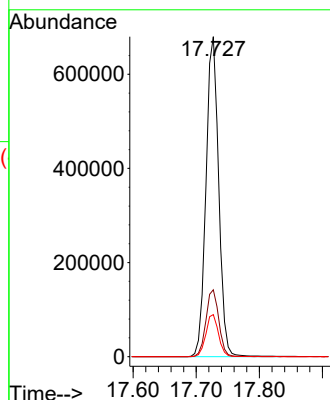
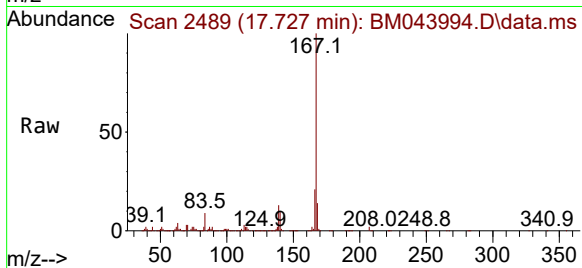
Tgt Ion:167 Resp: 949787

Ion Ratio Lower Upper

167 100

166 20.9 17.1 25.7

139 13.2 10.6 15.8



#74

Di-n-butylphthalate

Concen: 9.823 ng

RT: 18.303 min Scan# 2587

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

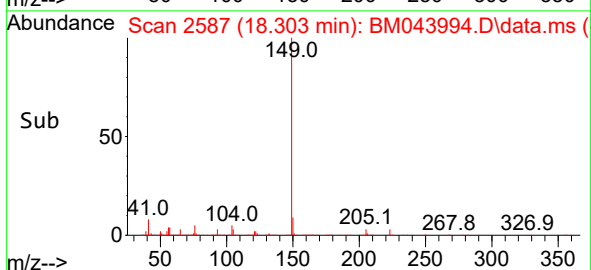
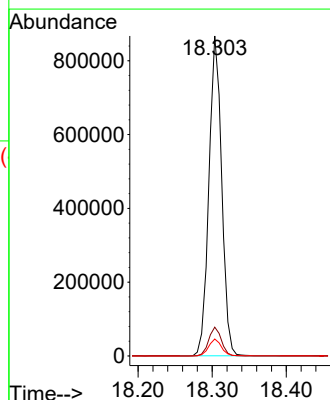
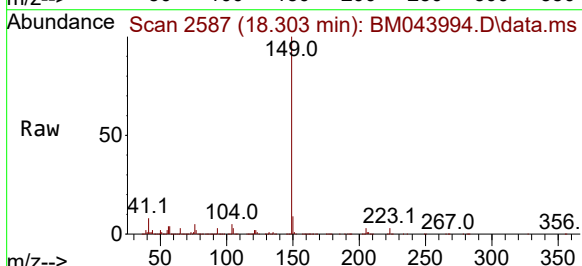
Tgt Ion:149 Resp: 1036484

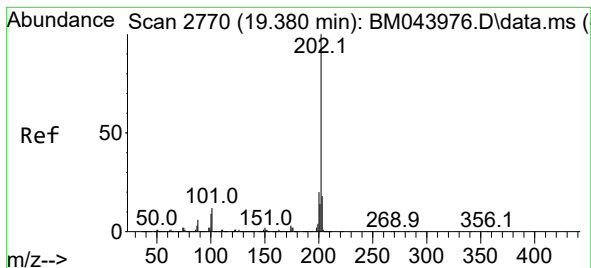
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 9.663 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

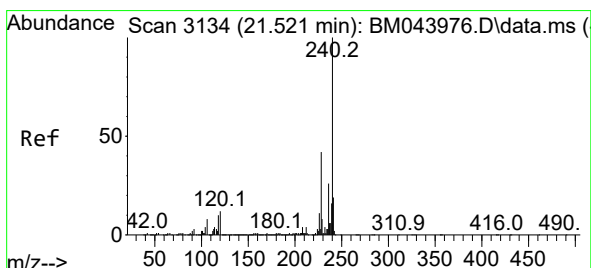
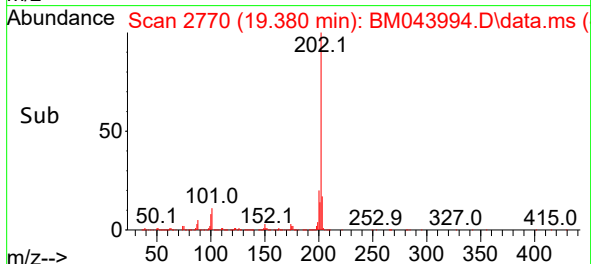
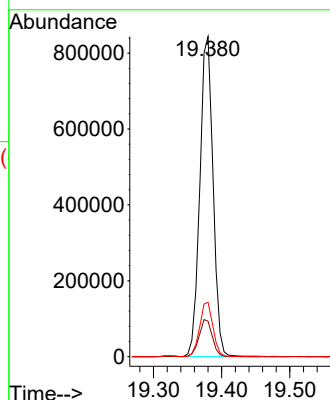
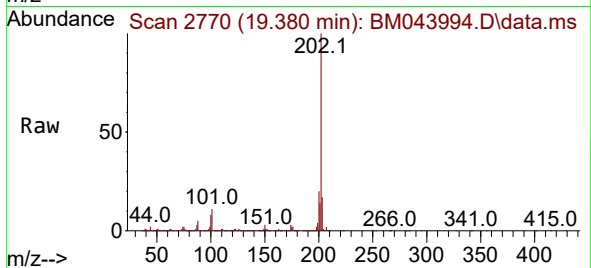
Tgt Ion:202 Resp: 1133884

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.9

203 17.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3133

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

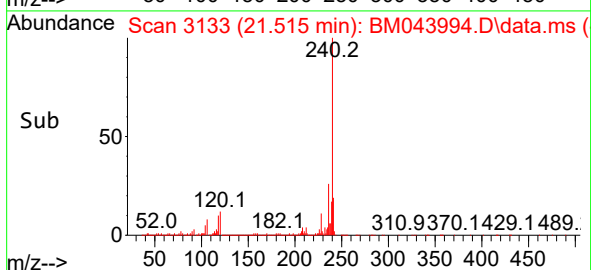
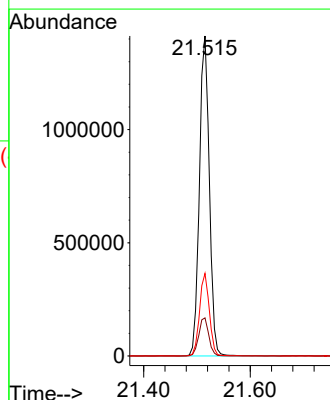
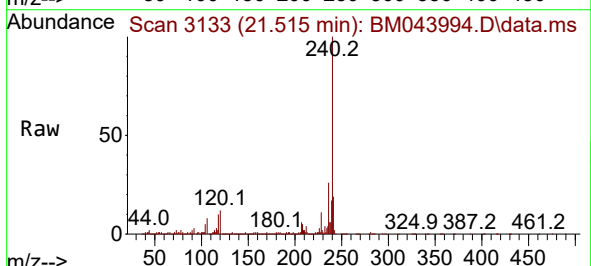
Tgt Ion:240 Resp: 1829659

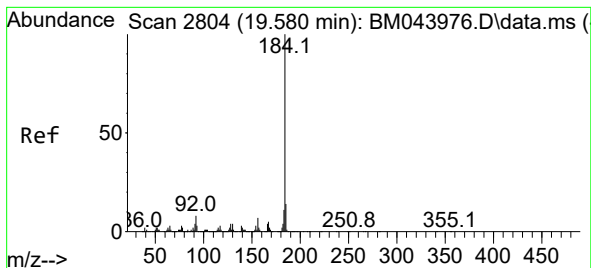
Ion Ratio Lower Upper

240 100

120 11.9 9.3 13.9

236 25.8 20.5 30.7





#77

Benzidine

Concen: 18.874 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

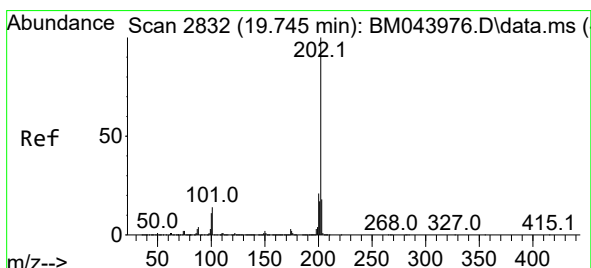
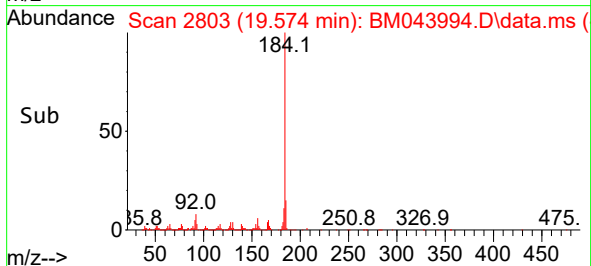
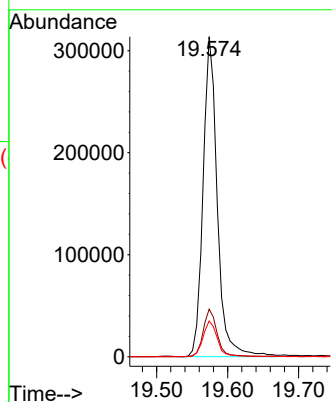
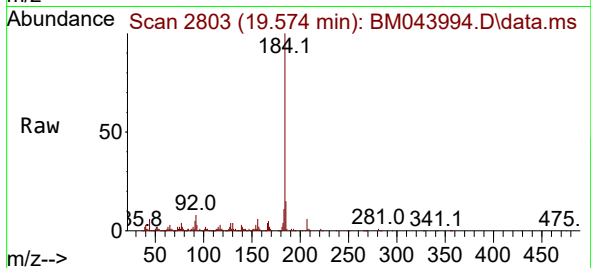
Tgt Ion:184 Resp: 438152

Ion Ratio Lower Upper

184 100

185 14.8 11.5 17.3

183 11.2 8.9 13.3



#78

Pyrene

Concen: 9.590 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

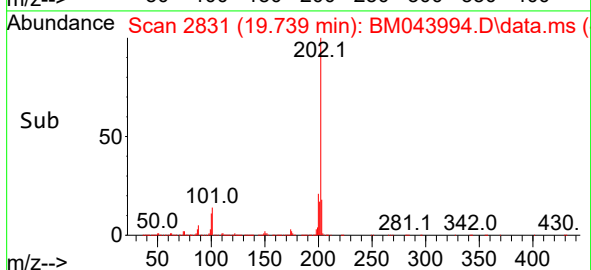
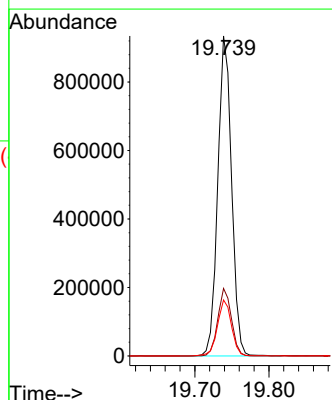
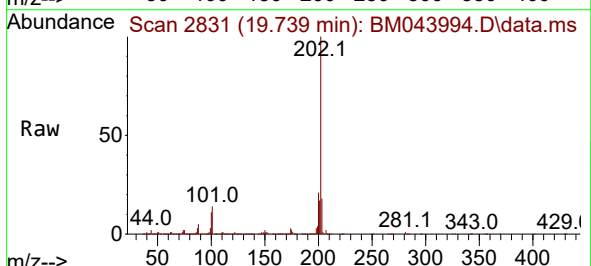
Tgt Ion:202 Resp: 1206116

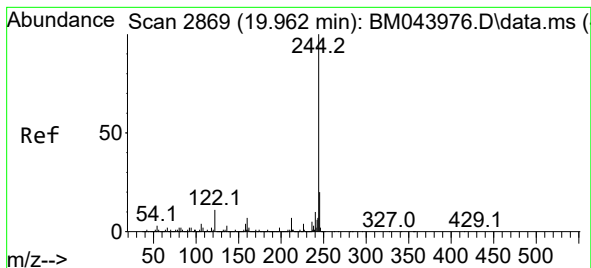
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 88.817 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

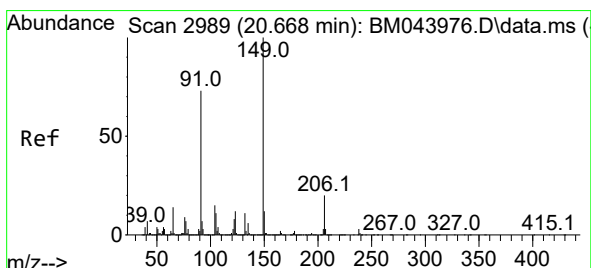
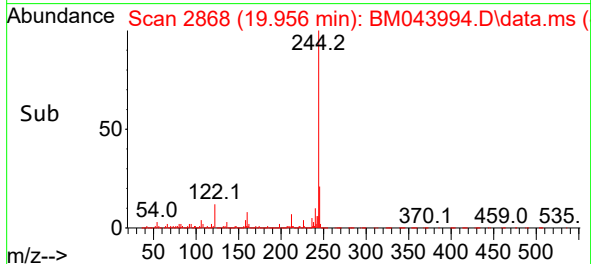
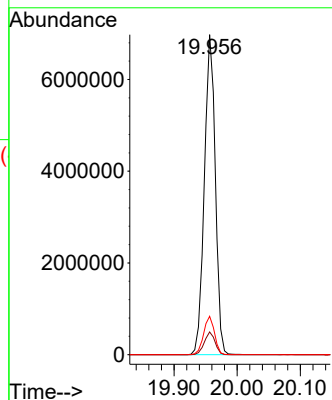
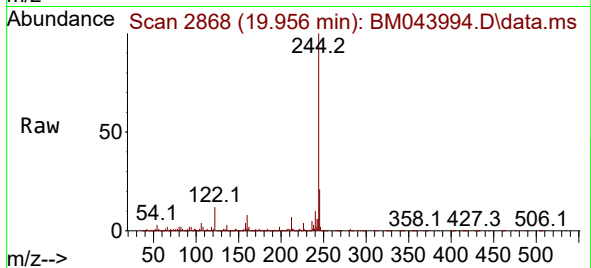
Tgt Ion:244 Resp: 8418158

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.0 8.7 13.1



#80

Butylbenzylphthalate

Concen: 10.039 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

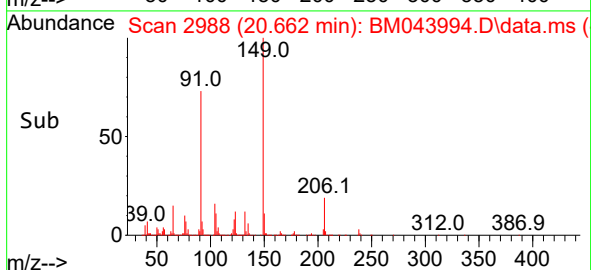
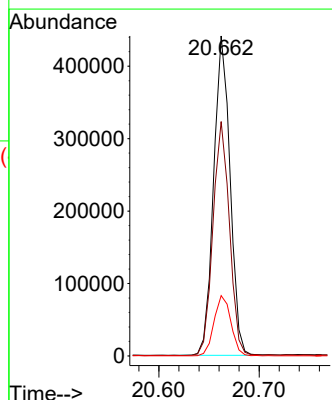
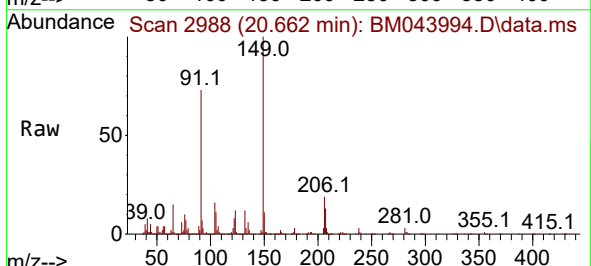
Tgt Ion:149 Resp: 499985

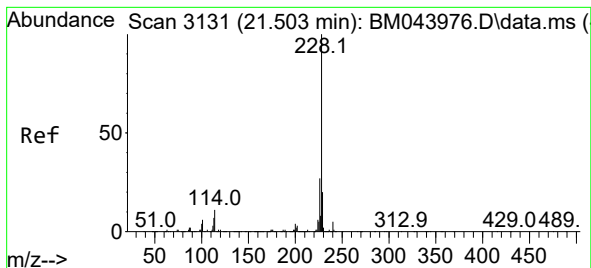
Ion Ratio Lower Upper

149 100

91 73.3 58.4 87.6

206 18.8 15.8 23.6





#81

Benzo(a)anthracene

Concen: 10.455 ng

RT: 21.497 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

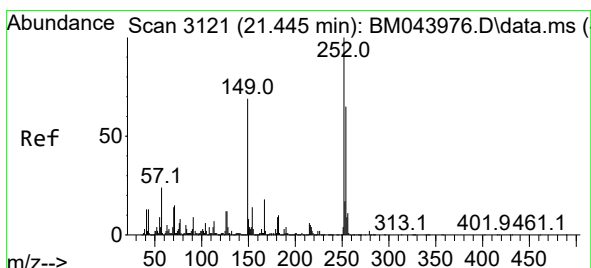
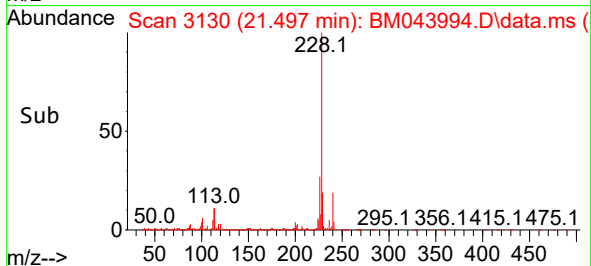
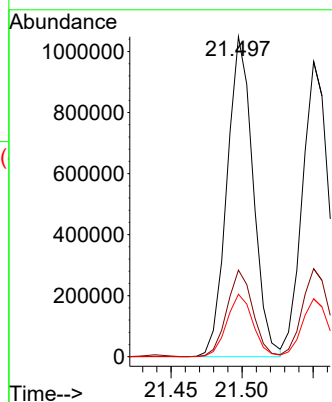
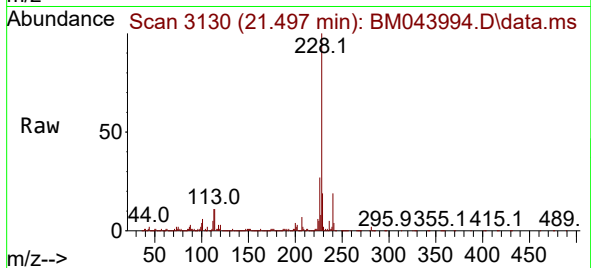
Tgt Ion:228 Resp: 1342069

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

229 19.5 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 10.738 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

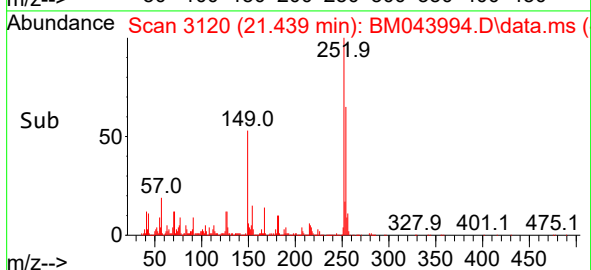
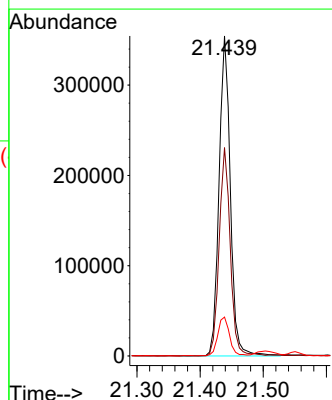
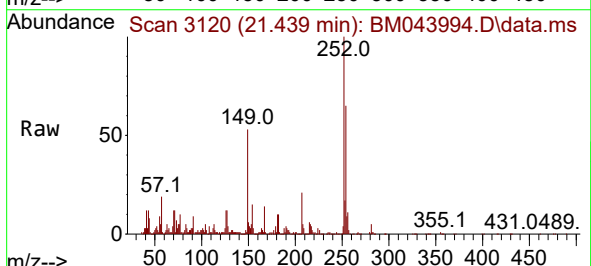
Tgt Ion:252 Resp: 440727

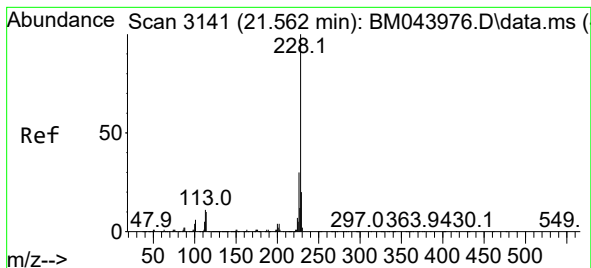
Ion Ratio Lower Upper

252 100

254 65.1 51.6 77.4

126 12.2 9.4 14.2





#83

Chrysene

Concen: 10.107 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

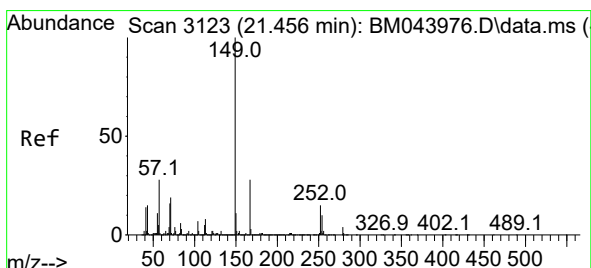
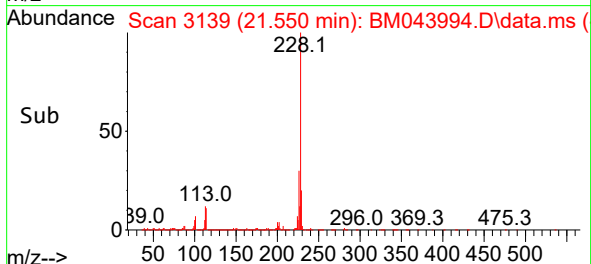
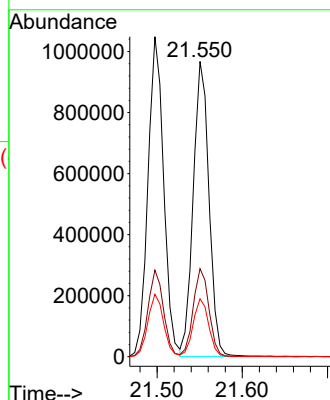
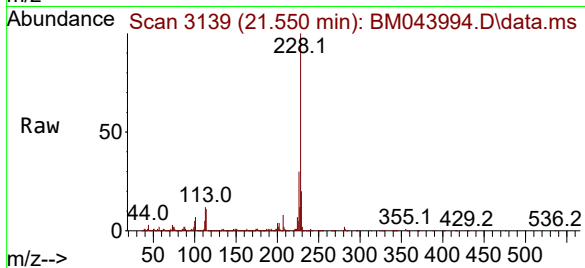
Tgt Ion:228 Resp: 1242889

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

229 19.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.907 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

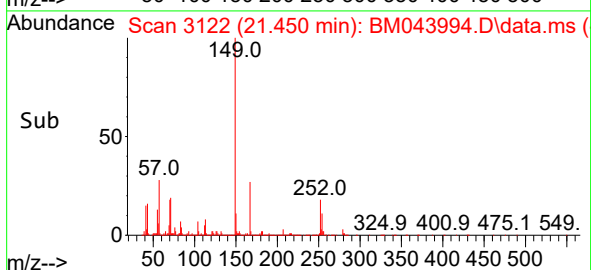
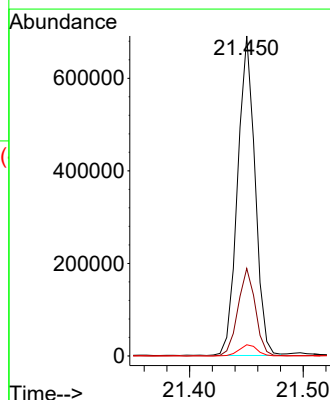
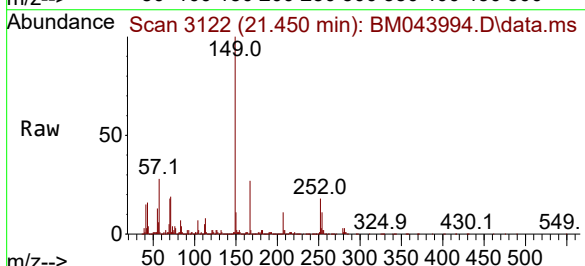
Tgt Ion:149 Resp: 733740

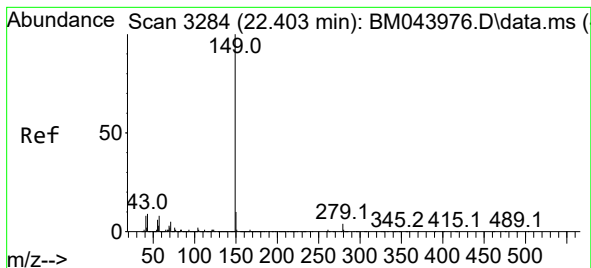
Ion Ratio Lower Upper

149 100

167 27.4 22.0 33.0

279 3.5 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 9.509 ng

RT: 22.391 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

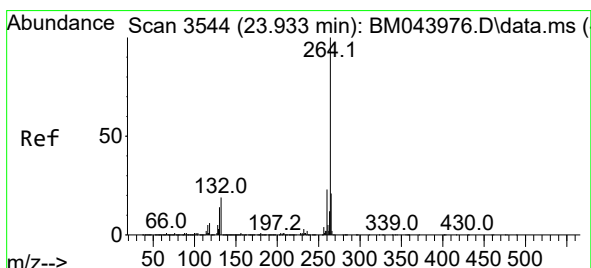
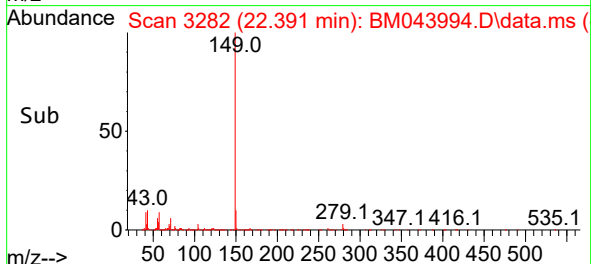
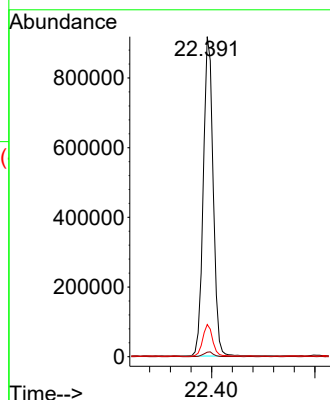
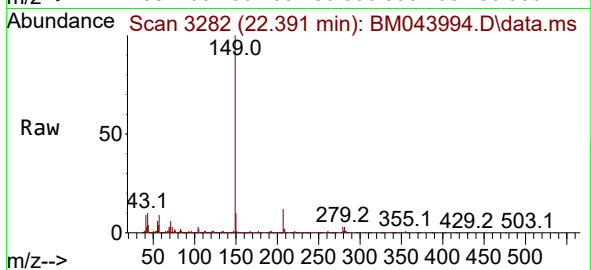
Tgt Ion:149 Resp: 1213271

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.0 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3543

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

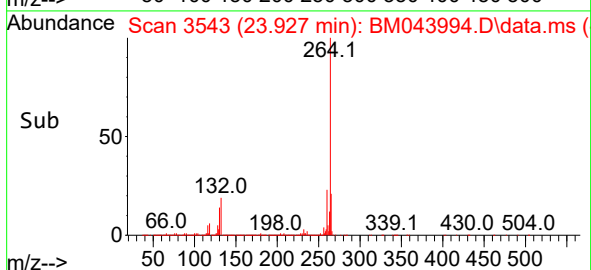
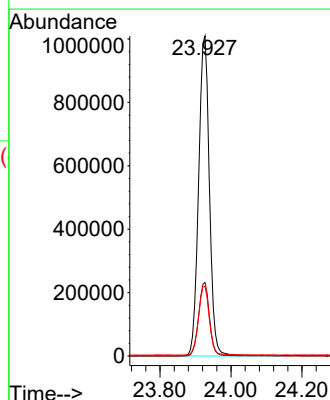
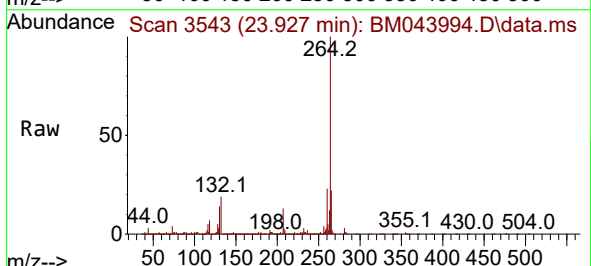
Tgt Ion:264 Resp: 2139326

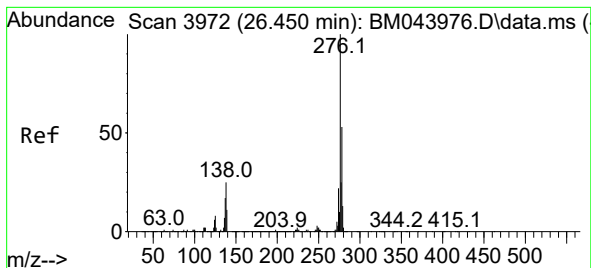
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.280 ng

RT: 26.421 min Scan# 3972

Delta R.T. -0.029 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

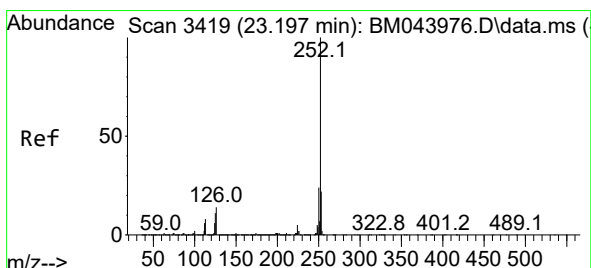
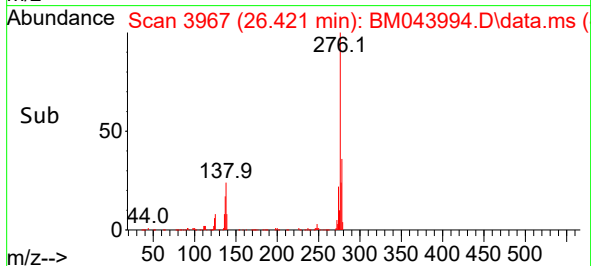
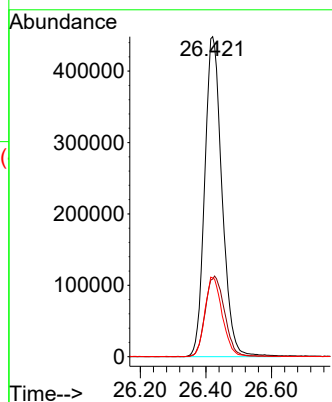
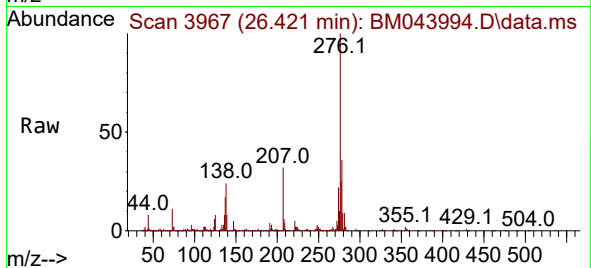
Tgt Ion:276 Resp: 1645578

Ion Ratio Lower Upper

276 100

138 28.2 21.8 32.6

277 25.1 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 10.535 ng

RT: 23.191 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

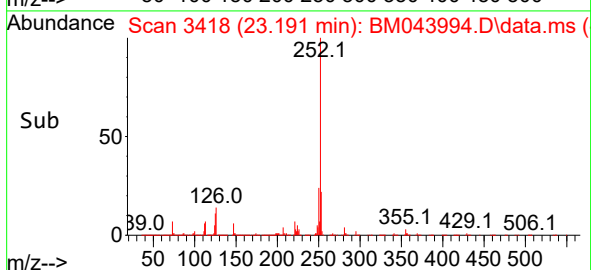
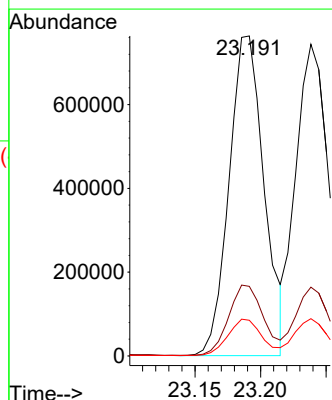
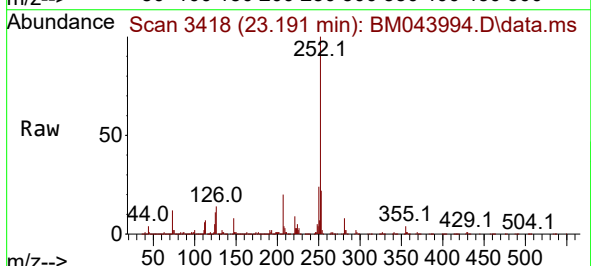
Tgt Ion:252 Resp: 1417696

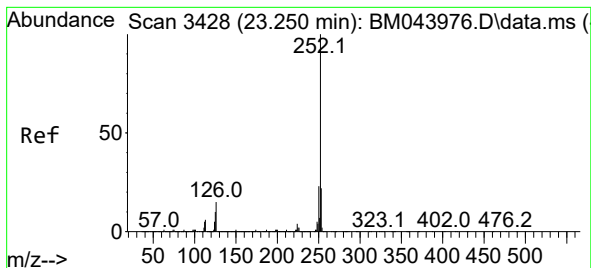
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.1 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 10.235 ng

RT: 23.238 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

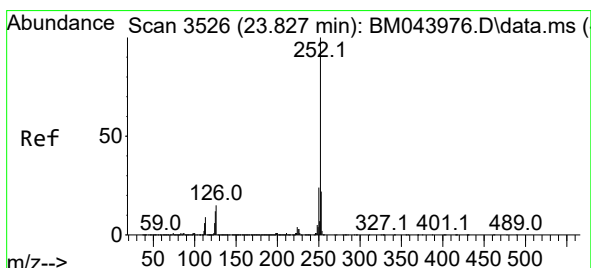
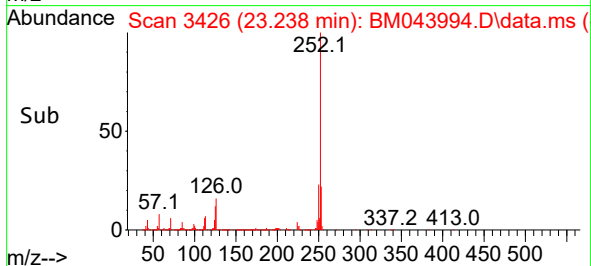
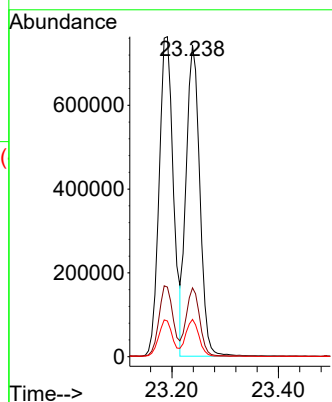
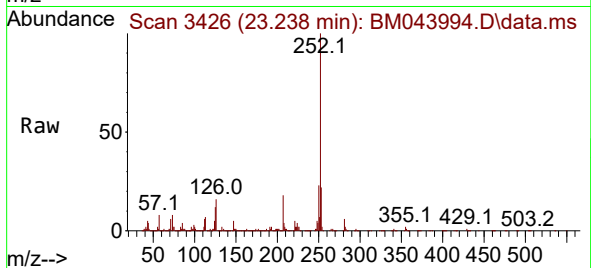
Tgt Ion:252 Resp: 1321429

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 12.0 8.3 12.5



#90

Benzo(a)pyrene

Concen: 9.845 ng

RT: 23.815 min Scan# 3524

Delta R.T. -0.012 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

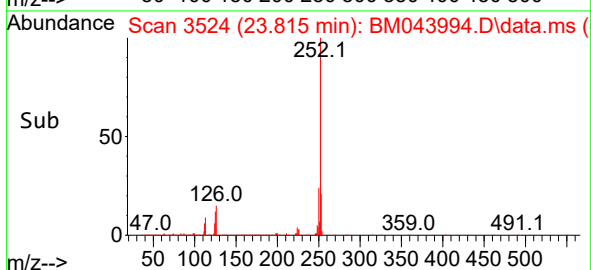
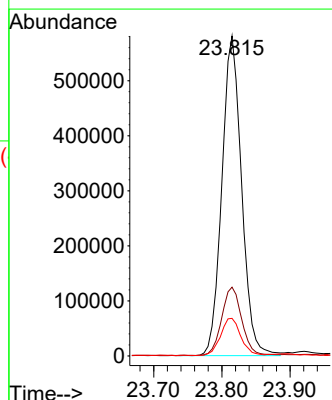
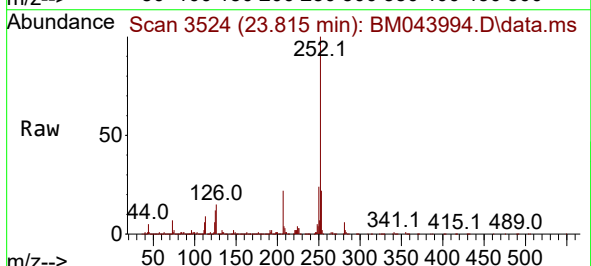
Tgt Ion:252 Resp: 1170999

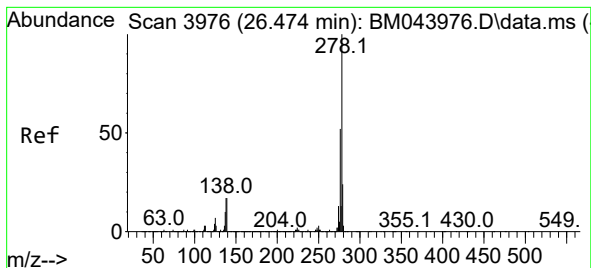
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 11.7 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 10.452 ng

RT: 26.450 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

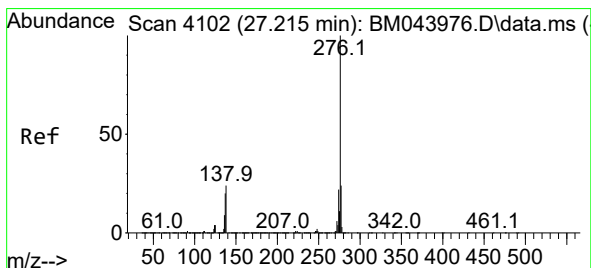
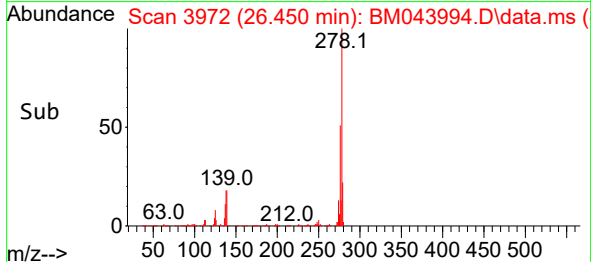
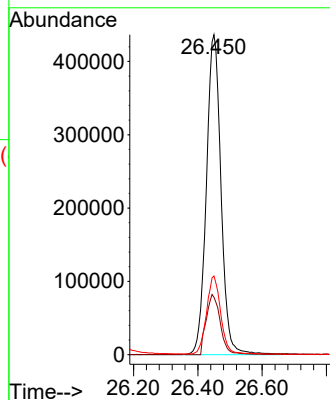
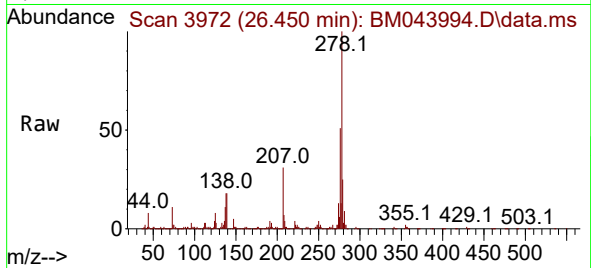
Tgt Ion:278 Resp: 1379900

Ion Ratio Lower Upper

278 100

139 17.9 13.7 20.5

279 24.6 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 9.792 ng

RT: 27.185 min Scan# 4097

Delta R.T. -0.029 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Tgt Ion:276 Resp: 1318523

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 24.0 18.8 28.2

